APPENDIX 5.3 BIG-1

AIR QUALITY TECHNICAL REPORT

*PART 8

2620	490710.04	3858710.04	24.0678	7.4911	39.402	6.0157	1.83E+00	7.99E+01	4.36E+00	3.44E-01	8.65E+01	1.78E+00	3.38E-04	4.36E-01	6.73E-02	2.29E+00	2.00E+00	7.99E+01	4.36E+00	3.44E-01	8.66E+01
2621	490760.04	3858710.04	23.7304	7.22194	39.636	6.12377	1.81E+00	7.71E+01	4.38E+00	3.50E-01	8.36E+01	1.76E+00	3.26E-04	4.38E-01	6.86E-02	2.26E+00	1.97E+00	7.71E+01	4.38E+00	3.50E-01	8.38E+01
2622	490810.04	3858710.04	23.3137	7.04658	39.819	6.21694	1.78E+00	7.52E+01	4.40E+00	3.56E-01	8.17E+01	1.73E+00	3.18E-04	4.40E-01	6.96E-02	2.24E+00	1.94E+00	7.52E+01	4.40E+00	3.56E-01	8.19E+01
2623	490860.04	3858710.04	22.8358	7.05481	39.944	6.64368	1.74E+00	7.53E+01	4.42E+00	3.80E-01	8.18E+01	1.69E+00	3.18E-04	4.42E-01	7.44E-02	2.21E+00	1.90E+00	7.53E+01	4.42E+00	3.80E-01	8.20E+01
2624	490360.04	3858760.04	26.7143	9.67091	36.917	5.01411	2.04E+00	1.03E+02	4.08E+00	2.87E-01	1.10E+02	1.98E+00	4.36E-04	4.08E-01	5.61E-02	2.44E+00	2.22E+00	1.03E+02	4.08E+00	2.87E-01	1.10E+02
2625	490410.04	3858760.04	26.0005	9.32964	36.266	5.14677	1.98E+00	9.96E+01	4.01E+00	2.94E-01	1.06E+02	1.92E+00	4.21E-04	4.01E-01	5.76E-02	2.38E+00	2.16E+00	9.96E+01	4.01E+00	2.94E-01	1.06E+02
2626	490460.04	3858760.04	25.7799	8.93207	35.57	5.46405	1.96E+00	9.53E+01	3.93E+00	3.12E-01	1.02E+02	1.91E+00	4.03E-04	3.93E-01	6.12E-02	2.36E+00	2.14E+00	9.53E+01	3.93E+00	3.12E-01	1.02E+02
2627	490510.04	3858760.04	25.776	8.50334	34.734	5.76971	1.96E+00	9.07E+01	3.84E+00	3.30E-01	9.69E+01	1.91E+00	3.83E-04	3.84E-01	6.46E-02	2.36E+00	2.14E+00	9.07E+01	3.84E+00	3.30E-01	9.71E+01
2628	490560.04	3858760.04	25.6138	8.20328	34.608	5.93576	1.95E+00	8.75E+01	3.83E+00	3.39E-01	9.37E+01	1.90E+00	3.70E-04	3.83E-01	6.64E-02	2.35E+00	2.13E+00	8.75E+01	3.83E+00	3.39E-01	9.38E+01
2629	490610.04	3858760.04	25.3454	7.86858	35.388	6.0953	1.93E+00	8.40E+01	3.91E+00	3.49E-01	9.02E+01	1.88E+00	3.55E-04	3.91E-01	6.82E-02	2.34E+00	2.10E+00	8.40E+01	3.91E+00	3.49E-01	9.03E+01
2630	490660.04	3858760.04	24.9651	7.63668	35.926	6.19259	1.90E+00	8.15E+01	3.97E+00	3.54E-01	8.77E+01	1.85E+00	3.44E-04	3.97E-01	6.93E-02	2.32E+00	2.07E+00	8.15E+01	3.97E+00	3.54E-01	8.79E+01
2631	490710.04	3858760.04	24.4942	7.39942	36.269	6.28007	1.87E+00	7.90E+01	4.01E+00	3.59E-01	8.52E+01	1.81E+00	3.34E-04	4.01E-01	7.03E-02	2.29E+00	2.03E+00	7.90E+01	4.01E+00	3.59E-01	8.54E+01
2632	490760.04	3858760.04	23.9484	7.43718	36.517	6.50885	1.83E+00	7.94E+01	4.04E+00	3.72E-01	8.56E+01	1.77E+00	3.35E-04	4.04E-01	7.29E-02	2.25E+00	1.99E+00	7.94E+01	4.04E+00	3.72E-01	8.58E+01
2633	490810.04	3858760.04	23.6692	7.44221	36.855	6.81171	1.80E+00	7.94E+01	4.07E+00	3.90E-01	8.57E+01	1.75E+00	3.35E-04	4.07E-01	7.63E-02	2.24E+00	1.97E+00	7.94E+01	4.07E+00	3.90E-01	8.59E+01
2634	490860.04	3858760.04	23.3243	7.44857	37.174	6.99049	1.78E+00	7.95E+01	4.11E+00	4.00E-01	8.58E+01	1.73E+00	3.36E-04	4.11E-01	7.83E-02	2.22E+00	1.94E+00	7.95E+01	4.11E+00	4.00E-01	8.59E+01
2635	490360.04	3858810.04	27.3082	9.76919	35.647	5.24674	2.08E+00	1.04E+02	3.94E+00	3.00E-01	1.11E+02	2.02E+00	4.40E-04	3.94E-01	5.87E-02	2.48E+00	2.27E+00	1.04E+02	3.94E+00	3.00E-01	1.11E+02
2636	490410.04	3858810.04	26.8267	9.36927	35.612	5.51564	2.04E+00	1.00E+02	3.94E+00	3.15E-01	1.06E+02	1.99E+00	4.22E-04	3.94E-01	6.17E-02	2.44E+00	2.23E+00	1.00E+02	3.94E+00	3.15E-01	1.06E+02
2637	490460.04	3858810.04	26.2132	9.00455	35.555	5.76298	2.00E+00	9.61E+01	3.93E+00	3.30E-01	1.02E+02	1.94E+00	4.06E-04	3.93E-01	6.45E-02	2.40E+00	2.18E+00	9.61E+01	3.93E+00	3.30E-01	1.03E+02
2638	490510.04	3858810.04	25.4559	8.75044	35.324	5.88951	1.94E+00	9.34E+01	3.91E+00	3.37E-01	9.96E+01	1.88E+00	3.94E-04	3.91E-01	6.59E-02	2.34E+00	2.11E+00	9.34E+01	3.91E+00	3.37E-01	9.97E+01
2639	490560.04	3858810.04	25.3586	8.46652	34.899	6.01878	1.93E+00	9.04E+01	3.86E+00	3.44E-01	9.65E+01	1.88E+00	3.82E-04	3.86E-01	6.74E-02	2.33E+00	2.11E+00	9.04E+01	3.86E+00	3.44E-01	9.67E+01
2640	490610.04	3858810.04	25.324	8.05266	34.303	6.22212	1.93E+00	8.59E+01	3.79E+00	3.56E-01	9.20E+01	1.87E+00	3.63E-04	3.79E-01	6.97E-02	2.32E+00	2.10E+00	8.59E+01	3.79E+00	3.56E-01	9.22E+01
2641	490660.04	3858810.04	25.1522	7.80492	34.697	6.33448	1.92E+00	8.33E+01	3.84E+00	3.62E-01	8.94E+01	1.86E+00	3.52E-04	3.84E-01	7.09E-02	2.32E+00	2.09E+00	8.33E+01	3.84E+00	3.62E-01	8.96E+01
2642	490710.04	3858810.04	24.8749	7.80197	35.849	6.51254	1.90E+00	8.33E+01	3.96E+00	3.72E-01	8.95E+01	1.84E+00	3.52E-04	3.96E-01	7.29E-02	2.31E+00	2.07E+00	8.33E+01	3.96E+00	3.72E-01	8.97E+01
2643	490760.04	3858810.04	24.5027	7.79471	36.999	6.96331	1.87E+00	8.32E+01	4.09E+00	3.98E-01	8.95E+01	1.81E+00	3.51E-04	4.09E-01	7.79E-02	2.30E+00	2.03E+00	8.32E+01	4.09E+00	3.98E-01	8.97E+01
2644	490810.04	3858810.04	24.014	7.79767	37.47	6.93066	1.83E+00	8.32E+01	4.14E+00	3.96E-01	8.96E+01	1.78E+00	3.52E-04	4.14E-01	7.76E-02	2.27E+00	1.99E+00	8.32E+01	4.14E+00	3.96E-01	8.97E+01
2645	490860.04	3858810.04	23.4795	7.79369	38.069	7.13954	1.79E+00	8.32E+01	4.21E+00	4.08E-01	8.96E+01	1.74E+00	3.51E-04	4.21E-01	7.99E-02	2.24E+00	1.95E+00	8.32E+01	4.21E+00	4.08E-01	8.97E+01
2646	490360.04	3858860.04	27.4821	9.78119	34.372	5.66228	2.09E+00	1.04E+02	3.80E+00	3.24E-01	1.11E+02	2.03E+00	4.41E-04	3.80E-01	6.34E-02	2.48E+00	2.28E+00	1.04E+02	3.80E+00	3.24E-01	1.11E+02
2647	490410.04	3858860.04	27.1895	9.59751	33.312	5.73106	2.07E+00	1.02E+02	3.68E+00	3.28E-01	1.09E+02	2.01E+00	4.33E-04	3.68E-01	6.42E-02	2.45E+00	2.26E+00	1.02E+02	3.68E+00	3.28E-01	1.09E+02
2648	490460.04	3858860.04	26.8275	9.13072	33.725	5.96723	2.04E+00	9.74E+01	3.73E+00	3.41E-01	1.04E+02	1.99E+00	4.12E-04	3.73E-01	6.68E-02	2.43E+00	2.23E+00	9.74E+01	3.73E+00	3.41E-01	1.04E+02
2649	490510.04	3858860.04	26.2541	8.96325	34.123	5.99591	2.00E+00	9.57E+01	3.77E+00	3.43E-01	1.02E+02	1.94E+00	4.04E-04	3.77E-01	6.71E-02	2.39E+00	2.18E+00	9.57E+01	3.77E+00	3.43E-01	1.02E+02
2650	490560.04	3858860.04	25.614	8.56028	34.462	6.16507	1.95E+00	9.14E+01	3.81E+00	3.53E-01	9.75E+01	1.90E+00	3.86E-04	3.81E-01	6.90E-02	2.35E+00	2.13E+00	9.14E+01	3.81E+00	3.53E-01	9.76E+01
2651	490610.04	3858860.04	24.9038	8.1122	34.985	6.41629	1.90E+00	8.66E+01	3.87E+00	3.67E-01	9.27E+01	1.84E+00	3.66E-04	3.87E-01	7.18E-02	2.30E+00	2.07E+00	8.66E+01	3.87E+00	3.67E-01	9.29E+01
2652	490660.04	3858860.04	24.9427	8.10316	34.921	6.49781	1.90E+00	8.65E+01	3.86E+00	3.72E-01	9.26E+01	1.85E+00	3.65E-04	3.86E-01	7.27E-02	2.31E+00	2.07E+00	8.65E+01	3.86E+00	3.72E-01	9.28E+01
2653	490710.04	3858860.04	24.8501	8.09691	34.433	6.49121	1.89E+00	8.64E+01	3.81E+00	3.71E-01	9.25E+01	1.84E+00	3.65E-04	3.81E-01	7.27E-02	2.29E+00	2.06E+00	8.64E+01	3.81E+00	3.71E-01	9.26E+01
2654	490760.04	3858860.04	24.6694	8.08172	34.665	6.77253	1.88E+00	8.62E+01	3.83E+00	3.87E-01	9.23E+01	1.83E+00	3.64E-04	3.83E-01	7.58E-02	2.29E+00	2.05E+00	8.62E+01	3.83E+00	3.87E-01	9.25E+01
2655	490810.04	3858860.04	24.3781	8.06827	36.208	6.98224	1.86E+00	8.61E+01	4.00E+00	3.99E-01	9.24E+01	1.80E+00	3.64E-04	4.00E-01	7.82E-02	2.28E+00	2.02E+00	8.61E+01	4.00E+00	3.99E-01	9.25E+01
2656	490860.04	3858860.04	23.9766	8.0561	37.627	7.18286	1.83E+00	8.60E+01	4.16E+00	4.11E-01	9.24E+01	1.78E+00	3.63E-04	4.16E-01	8.04E-02	2.27E+00	1.99E+00	8.60E+01	4.16E+00	4.11E-01	9.25E+01
2657	490360.04	3858910.04	27.0009	10.056	36.645	5.7472	2.06E+00	1.07E+02	4.05E+00	3.29E-01	1.14E+02	2.00E+00	4.53E-04	4.05E-01	6.43E-02	2.47E+00	2.24E+00	1.07E+02	4.05E+00	3.29E-01	1.14E+02
2658	490410.04	3858910.04	27.0492	9.69868	35.928	5.88998	2.06E+00	1.04E+02	3.97E+00	3.37E-01	1.10E+02	2.00E+00	4.37E-04	3.97E-01	6.59E-02	2.47E+00	2.25E+00	1.04E+02	3.97E+00	3.37E-01	1.10E+02
2659	490460.04	3858910.04	26.9395	9.29391	34.927	6.05087	2.05E+00	9.92E+01	3.86E+00	3.46E-01	1.05E+02	1.99E+00	4.19E-04	3.86E-01	6.77E-02	2.45E+00	2.24E+00	9.92E+01	3.86E+00	3.46E-01	1.06E+02
2660	490510.04	3858910.04	26.6783	8.84298	33.692	6.22525	2.03E+00	9.44E+01	3.73E+00	3.56E-01	1.00E+02	1.98E+00	3.99E-04	3.73E-01	6.97E-02	2.42E+00	2.21E+00	9.44E+01	3.73E+00	3.56E-01	1.01E+02
2661	490560.04	3858910.04	26.2721	8.34894	33.961	6.40003	2.00E+00	8.91E+01	3.75E+00	3.66E-01	9.52E+01	1.95E+00	3.76E-04	3.75E-01	7.16E-02	2.39E+00	2.18E+00	8.91E+01	3.75E+00	3.66E-01	9.54E+01
2662	490610.04	3858910.04	25.7289	8.31129	35.267	6.54616	1.96E+00	8.87E+01	3.90E+00	3.74E-01	9.49E+01	1.90E+00	3.75E-04	3.90E-01	7.33E-02	2.37E+00	2.14E+00	8.87E+01	3.90E+00	3.74E-01	9.51E+01
2663	490660.04	3858910.04	25.0499	8.29402	36.131	6.58396	1.91E+00	8.85E+01	3.99E+00	3.76E-01	9.48E+01	1.85E+00	3.74E-04	3.99E-01	7.37E-02	2.33E+00	2.08E+00	8.85E+01	3.99E+00	3.76E-01	9.50E+01
2664	490710.04	3858910.04	24.4498	8.27396	36.858	6.61642	1.86E+00	8.83E+01	4.08E+00	3.78E-01	9.46E+01	1.81E+00	3.73E-04	4.08E-01	7.41E-02	2.29E+00	2.03E+00	8.83E+01	4.08E+00	3.78E-01	9.48E+01
2665	490760.04	3858910.04	24.4723	8.25085	37.518	6.8293	1.87E+00	8.81E+01	4.15E+00	3.91E-01	9.45E+01	1.81E+00	3.72E-04	4.15E-01	7.64E-02	2.30E+00	2.03E+00	8.81E+01	4.15E+00	3.91E-01	9.46E+01
2666	490810.04	3858910.04	24.3612	8.23489	37.504	6.8744	1.86E+00	8.79E+01	4.15E+00	3.93E-01	9.43E+01	1.80E+00	3.71E-04	4.15E-01	7.70E-02	2.30E+00	2.02E+00	8.79E+01	4.15E+00	3.93E-01	9.44E+01
2667	490860.04	3858910.04	24.1388	8.21487	37.617	7.10907	1.84E+00	8.77E+01	4.16E+00	4.07E-01	9.41E+01	1.79E+00	3.70E-04	4.16E-01	7.96E-02	2.28E+00	2.00E+00	8.77E+01	4.16E+00	4.07E-01	9.42E+01
2668	490360.04	3858960.04	26.1195	9.90702	38.169	5.99707	1.99E+00	1.06E+02	4.22E+00	3.43E-01	1.12E+02	1.93E+00	4.47E-04	4.22E-01	6.71E-02	2.42E+00	2.17E+00	1.06E+02	4.22E+00	3.43E-01	1.12E+02
2669	490410.04	3858960.04	26.4784	9.44821	36.784	6.17325	2.02E+00	1.01E+02	4.07E+00	3.53E-01	1.07E+02	1.96E+00	4.26E-04	4.07E-01	6.91E-02	2.44E+00	2.20E+00	1.01E+02	4.07E+00	3.53E-01	1.07E+02
2670	490460.04	3858960.04	26.6624	8.93147	36.629	6.36068	2.03E+00	9.53E+01	4.05E+00	3.64E-01	1.02E+02	1.97E+00	4.03E-04	4.05E-01	7.12E-02	2.45E+00	2.21E+00	9.53E+01	4.05E+00	3.64E-01	1.02E+02
2671	490510.04	3858960.04	26.655	8.48633	36.165	6.4872	2.03E+00	9.06E+01	4.00E+00	3.71E-01	9.70E+01	1.97E+00	3.83E-04	4.00E-01	7.26E-02	2.45E+00	2.21E+00	9.06E+01	4.00E+00	3.71E-01	9.71E+01
2672	490560.04	3858960.04	26.4859	8.41371	35.415	6.56745	2.02E+00	8.98E+01	3.92E+00	3.76E-01	9.61E+01	1.96E+00	3.79E-04	3.92E-01	7.35E-02	2.43E+00	2.20E+00	8.98E+01	3.92E+00	3.76E-01	9.63E+01
2673	490610.04	3858960.04	26.1817	8.38364	35.532	6.67241	2.00E+00	8.95E+01	3.93E+00	3.82E-01	9.58E+01	1.94E+00	3.78E-04	3.93E-01	7.47E-02	2.41E+00	2.17E+00	8.95E+01	3.93E+00	3.82E-01	9.60E+01
2674	490660.04	3858960.04	25.7	8.36593	35.227	6.56274	1.96E+00	8.93E+01	3.89E+00	3.75E-01	9.55E+01	1.90E+00	3.77E-04	3.89E-01	7.35E-02	2.37E+00	2.13E+00	8.93E+01	3.89E+00	3.75E-01	9.57E+01
2675	490710.04	3858960.04	25.1233	8.33622	36.602	6.59365	1.91E+00	8.90E+01	4.05E+00	3.77E-01	9.53E+01	1.86E+00	3.76E-04	4.05E-01	7.38E-02	2.34E+00	2.09E+00	8.90E+01	4.05E+00	3.77E-01	9.55E+01
2676	490760.04	3858960.04	24.4285	8.31061	38.059	6.63697	1.86E+00	8.87E+01	4.21E+00	3.80E-01	9.51E+01	1.81E+00	3.75E-04	4.21E-01	7.43E-02	2.30E+00	2.03E+00	8.87E+01	4.21E+00	3.80E-01	9.53E+01
2677	490810.04	3858960.04	23.9512	8.28665	39.263	6.80132	1.83E+00	8.84E+01	4.34E+00	3.89E-01	9.50E+01	1.77E+00	3.74E-04	4.34E-01	7.61E-02	2.28E+00	1.99E+00	8.84E+01	4.34E+00	3.89E-01	9.52E+01
2678	490860.04	3858960.04	23.9241	8.2611	40.421	7.06298	1.82E+00	8.82E+01	4.47E+00	4.04E-01	9.49E+01	1.77E+00	3.72E-04	4.47E-01	7.91E-02	2.30E+00	1.99E+00	8.82E+01	4.47E+00	4.04E-01	9.50E+01
2679	490360.04	3859010.04	24.7506	9.63982	41.541	6.26226	1.89E+00	1.03E+02	4.59E+00	3.58E-01	1.10E+02	1.83E+00	4.35E-04	4.59E-01	7.01E-02	2.36E+00	2.05E+00	1.03E+02	4.59E+00	3.58E-01	1.10E+02
2680	490410.04	3859010.04	25.3982	9.10341	40.1	6.43927	1.94E+00	9.71E+01	4.43E+00	3.68E-01	1.04E+02	1.88E+00	4.10E-04	4.43E-01	7.21E-02	2.40E+00	2.11E+00	9.71E+01	4.43E+00	3.68E-01	1.04E+02

2681	490460.04	3859010.04	25.8894	8.43456	38.491	6.63036	1.97E+00	9.00E+01	4.26E+00	3.79E-01	9.66E+01	1.92E+00	3.80E-04	4.26E-01	7.42E-02	2.42E+00	2.15E+00	9.00E+01	4.26E+00	3.79E-01	9.68E+01
2682	490510.04	3859010.04	26.1834	8.39578	36.785	6.74566	2.00E+00	8.96E+01	4.07E+00	3.86E-01	9.60E+01	1.94E+00	3.78E-04	4.07E-01	7.55E-02	2.42E+00	2.17E+00	8.96E+01	4.07E+00	3.86E-01	9.62E+01
2683	490560.04	3859010.04	26.2551	8.37282	36.758	6.67159	2.00E+00	8.94E+01	4.06E+00	3.82E-01	9.58E+01	1.94E+00	3.77E-04	4.06E-01	7.47E-02	2.43E+00	2.18E+00	8.94E+01	4.06E+00	3.82E-01	9.60E+01
2684	490610.04	3859010.04	26.1973	8.3398	36.593	6.69751	2.00E+00	8.90E+01	4.05E+00	3.83E-01	9.54E+01	1.94E+00	3.76E-04	4.05E-01	7.50E-02	2.42E+00	2.17E+00	8.90E+01	4.05E+00	3.83E-01	9.56E+01
2685	490660.04	3859010.04	25.9541	8.3191	36.823	6.50742	1.98E+00	8.88E+01	4.07E+00	3.72E-01	9.52E+01	1.92E+00	3.75E-04	4.07E-01	7.28E-02	2.40E+00	2.15E+00	8.88E+01	4.07E+00	3.72E-01	9.54E+01
2686	490710.04	3859010.04	25.5945	8.28553	37.978	6.46891	1.95E+00	8.84E+01	4.20E+00	3.70E-01	9.49E+01	1.89E+00	3.73E-04	4.20E-01	7.24E-02	2.39E+00	2.12E+00	8.84E+01	4.20E+00	3.70E-01	9.51E+01
2687	490760.04	3859010.04	25.0859	8.25671	38.629	6.64673	1.91E+00	8.81E+01	4.27E+00	3.80E-01	9.47E+01	1.86E+00	3.72E-04	4.27E-01	7.44E-02	2.36E+00	2.08E+00	8.81E+01	4.27E+00	3.80E-01	9.48E+01
2688	490810.04	3859010.04	24.4619	8.22875	38.935	7.00743	1.86E+00	8.78E+01	4.30E+00	4.01E-01	9.44E+01	1.81E+00	3.71E-04	4.30E-01	7.84E-02	2.32E+00	2.03E+00	8.78E+01	4.30E+00	4.01E-01	9.46E+01
2689	490860.04	3859010.04	23.7418	8.20254	40.357	7.42092	1.81E+00	8.75E+01	4.46E+00	4.24E-01	9.42E+01	1.76E+00	3.70E-04	4.46E-01	8.31E-02	2.29E+00	1.97E+00	8.75E+01	4.46E+00	4.24E-01	9.44E+01
2690	490360.04	3859060.04	23.5161	9.49216	43.821	6.52669	1.79E+00	1.01E+02	4.84E+00	3.73E-01	1.08E+02	1.74E+00	4.28E-04	4.84E-01	7.31E-02	2.30E+00	1.95E+00	1.01E+02	4.84E+00	3.73E-01	1.08E+02
2691	490410.04	3859060.04	23.937	8.76917	42.8	6.71101	1.82E+00	9.36E+01	4.73E+00	3.84E-01	1.01E+02	1.77E+00	3.95E-04	4.73E-01	7.51E-02	2.32E+00	1.99E+00	9.36E+01	4.73E+00	3.84E-01	1.01E+02
2692	490460.04	3859060.04	24.6617	8.29449	41.593	6.76373	1.88E+00	8.85E+01	4.60E+00	3.87E-01	9.54E+01	1.83E+00	3.74E-04	4.60E-01	7.57E-02	2.36E+00	2.05E+00	8.85E+01	4.60E+00	3.87E-01	9.55E+01
2693	490510.04	3859060.04	25.1961	8.26284	40.215	6.74623	1.92E+00	8.82E+01	4.45E+00	3.86E-01	9.49E+01	1.87E+00	3.72E-04	4.45E-01	7.55E-02	2.39E+00	2.09E+00	8.82E+01	4.45E+00	3.86E-01	9.51E+01
2694	490560.04	3859060.04	25.566	8.22718	38.677	6.72971	1.95E+00	8.78E+01	4.28E+00	3.85E-01	9.44E+01	1.89E+00	3.71E-04	4.28E-01	7.53E-02	2.40E+00	2.12E+00	8.78E+01	4.28E+00	3.85E-01	9.46E+01
2695	490610.04	3859060.04	25.7457	8.19923	37.053	6.57159	1.96E+00	8.75E+01	4.10E+00	3.76E-01	9.39E+01	1.91E+00	3.70E-04	4.10E-01	7.36E-02	2.39E+00	2.14E+00	8.75E+01	4.10E+00	3.76E-01	9.41E+01
2696	490660.04	3859060.04	25.7662	8.17203	38.245	6.3679	1.96E+00	8.72E+01	4.23E+00	3.64E-01	9.38E+01	1.91E+00	3.68E-04	4.23E-01	7.13E-02	2.40E+00	2.14E+00	8.72E+01	4.23E+00	3.64E-01	9.39E+01
2697	490710.04	3859060.04	25.6304	8.13802	40.731	6.57374	1.95E+00	8.68E+01	4.50E+00	3.76E-01	9.37E+01	1.90E+00	3.67E-04	4.50E-01	7.36E-02	2.42E+00	2.13E+00	8.68E+01	4.50E+00	3.76E-01	9.39E+01
2698	490760.04	3859060.04	25.3442	8.10749	42.414	6.8339	1.93E+00	8.65E+01	4.69E+00	3.91E-01	9.35E+01	1.88E+00	3.65E-04	4.69E-01	7.65E-02	2.42E+00	2.10E+00	8.65E+01	4.69E+00	3.91E-01	9.37E+01
2699	490810.04	3859060.04	24.9256	8.07706	43.646	7.17867	1.90E+00	8.62E+01	4.83E+00	4.11E-01	9.33E+01	1.85E+00	3.64E-04	4.83E-01	8.04E-02	2.41E+00	2.07E+00	8.62E+01	4.83E+00	4.11E-01	9.35E+01
2700	490860.04	3859060.04	26.3857	8.04826	43.922	7.35962	2.01E+00	8.59E+01	4.86E+00	4.21E-01	9.32E+01	1.95E+00	3.63E-04	4.86E-01	8.24E-02	2.52E+00	2.19E+00	8.59E+01	4.86E+00	4.21E-01	9.34E+01
2701	490360.04	3859110.04	23.6756	10.1932	44.881	6.59527	1.80E+00	1.09E+02	4.96E+00	3.77E-01	1.16E+02	1.75E+00	4.59E-04	4.96E-01	7.38E-02	2.32E+00	1.97E+00	1.09E+02	4.96E+00	3.77E-01	1.16E+02
2702	490410.04	3859110.04	23.1935	9.39723	44.416	6.68964	1.77E+00	1.00E+02	4.91E+00	3.83E-01	1.07E+02	1.72E+00	4.24E-04	4.91E-01	7.49E-02	2.28E+00	1.93E+00	1.00E+02	4.91E+00	3.83E-01	1.08E+02
2703	490460.04	3859110.04	23.0229	8.88868	43.72	6.62348	1.75E+00	9.49E+01	4.83E+00	3.79E-01	1.02E+02	1.70E+00	4.01E-04	4.83E-01	7.41E-02	2.26E+00	1.91E+00	9.49E+01	4.83E+00	3.79E-01	1.02E+02
2704	490510.04	3859110.04	23.7805	8.04499	42.726	6.67305	1.81E+00	8.59E+01	4.72E+00	3.82E-01	9.28E+01	1.76E+00	3.63E-04	4.72E-01	7.47E-02	2.31E+00	1.97E+00	8.59E+01	4.72E+00	3.82E-01	9.29E+01
2705	490560.04	3859110.04	24.3997	8.01029	41.568	6.54115	1.86E+00	8.55E+01	4.60E+00	3.74E-01	9.23E+01	1.81E+00	3.61E-04	4.60E-01	7.32E-02	2.34E+00	2.03E+00	8.55E+01	4.60E+00	3.74E-01	9.25E+01
2706	490610.04	3859110.04	24.8503	7.97418	40.227	6.49126	1.89E+00	8.51E+01	4.45E+00	3.71E-01	9.18E+01	1.84E+00	3.59E-04	4.45E-01	7.27E-02	2.36E+00	2.06E+00	8.51E+01	4.45E+00	3.71E-01	9.20E+01
2707	490660.04	3859110.04	25.1185	7.93871	39.985	6.73871	1.91E+00	8.47E+01	4.42E+00	3.85E-01	9.14E+01	1.86E+00	3.58E-04	4.42E-01	7.54E-02	2.38E+00	2.09E+00	8.47E+01	4.42E+00	3.85E-01	9.16E+01
2708	490710.04	3859110.04	25.2304	7.91085	42.765	6.81001	1.92E+00	8.44E+01	4.73E+00	3.89E-01	9.15E+01	1.87E+00	3.57E-04	4.73E-01	7.62E-02	2.42E+00	2.09E+00	8.44E+01	4.73E+00	3.89E-01	9.16E+01
2709	490760.04	3859110.04	25.186	7.87997	45.783	6.95057	1.92E+00	8.41E+01	5.06E+00	3.97E-01	9.15E+01	1.86E+00	3.55E-04	5.06E-01	7.78E-02	2.45E+00	2.09E+00	8.41E+01	5.06E+00	3.97E-01	9.16E+01
2710	490810.04	3859110.04	27.1839	7.84664	48.945	7.29484	2.07E+00	8.37E+01	5.41E+00	4.17E-01	9.16E+01	2.01E+00	3.54E-04	5.41E-01	8.17E-02	2.64E+00	2.26E+00	8.37E+01	5.41E+00	4.17E-01	9.18E+01
2711	490860.04	3859110.04	27.5563	7.81378	51.365	8.4625	2.10E+00	8.34E+01	5.68E+00	4.84E-01	9.16E+01	2.04E+00	3.52E-04	5.68E-01	9.47E-02	2.70E+00	2.29E+00	8.34E+01	5.68E+00	4.84E-01	9.18E+01
2712	490360.04	3859160.04	23.7401	10.788	46.2	6.49651	1.81E+00	1.15E+02	5.11E+00	3.71E-01	1.22E+02	1.76E+00	4.86E-04	5.11E-01	7.27E-02	2.34E+00	1.97E+00	1.15E+02	5.11E+00	3.71E-01	1.23E+02
2713	490410.04	3859160.04	23.5017	9.98865	44.801	6.47659	1.79E+00	1.07E+02	4.95E+00	3.70E-01	1.14E+02	1.74E+00	4.50E-04	4.95E-01	7.25E-02	2.31E+00	1.95E+00	1.07E+02	4.95E+00	3.70E-01	1.14E+02
2714	490460.04	3859160.04	23.0843	9.28519	44.652	6.38058	1.76E+00	9.91E+01	4.94E+00	3.65E-01	1.06E+02	1.71E+00	4.19E-04	4.94E-01	7.14E-02	2.27E+00	1.92E+00	9.91E+01	4.94E+00	3.65E-01	1.06E+02
2715	490510.04	3859160.04	22.708	8.56874	44.214	6.25532	1.73E+00	9.14E+01	4.89E+00	3.58E-01	9.84E+01	1.68E+00	3.86E-04	4.89E-01	7.00E-02	2.24E+00	1.89E+00	9.14E+01	4.89E+00	3.58E-01	9.86E+01
2716	490560.04	3859160.04	22.8311	7.73492	43.498	6.32159	1.74E+00	8.25E+01	4.81E+00	3.61E-01	8.95E+01	1.69E+00	3.49E-04	4.81E-01	7.08E-02	2.24E+00	1.90E+00	8.25E+01	4.81E+00	3.61E-01	8.96E+01
2717	490610.04	3859160.04	23.5177	7.69894	42.582	6.45463	1.79E+00	8.22E+01	4.71E+00	3.69E-01	8.90E+01	1.74E+00	3.47E-04	4.71E-01	7.23E-02	2.28E+00	1.95E+00	8.22E+01	4.71E+00	3.69E-01	8.92E+01
2718	490660.04	3859160.04	24.0227	7.65147	41.414	6.90292	1.83E+00	8.17E+01	4.58E+00	3.95E-01	8.85E+01	1.78E+00	3.45E-04	4.58E-01	7.73E-02	2.31E+00	1.99E+00	8.17E+01	4.58E+00	3.95E-01	8.86E+01
2719	490710.04	3859160.04	24.3826	7.62026	40.854	7.33737	1.86E+00	8.13E+01	4.52E+00	4.20E-01	8.81E+01	1.81E+00	3.44E-04	4.52E-01	8.21E-02	2.34E+00	2.02E+00	8.13E+01	4.52E+00	4.20E-01	8.83E+01
2720	490760.04	3859160.04	26.8238	7.58141	46.818	8.82958	2.04E+00	8.09E+01	5.18E+00	5.05E-01	8.86E+01	1.99E+00	3.42E-04	5.18E-01	9.88E-02	2.60E+00	2.23E+00	8.09E+01	5.18E+00	5.05E-01	8.88E+01
2721	490810.04	3859160.04	27.4416	7.54995	50.502	9.73767	2.09E+00	8.06E+01	5.58E+00	5.57E-01	8.88E+01	2.03E+00	3.40E-04	5.58E-01	1.09E-01	2.70E+00	2.28E+00	8.06E+01	5.58E+00	5.57E-01	8.90E+01
2722	490860.04	3859160.04	27.8565	7.51735	53.907	10.71973	2.12E+00	8.02E+01	5.96E+00	6.13E-01	8.89E+01	2.06E+00	3.39E-04	5.96E-01	1.20E-01	2.78E+00	2.31E+00	8.02E+01	5.96E+00	6.13E-01	8.91E+01
2723	490360.04	3859210.04	23.5654	11.1902	49.052	6.24827	1.80E+00	1.19E+02	5.42E+00	3.57E-01	1.27E+02	1.74E+00	5.04E-04	5.42E-01	6.99E-02	2.36E+00	1.96E+00	1.19E+02	5.42E+00	3.57E-01	1.27E+02
2724	490410.04	3859210.04	23.3768	10.7348	47.13	6.04617	1.78E+00	1.15E+02	5.21E+00	3.46E-01	1.22E+02	1.73E+00	4.84E-04	5.21E-01	6.77E-02	2.32E+00	1.94E+00	1.15E+02	5.21E+00	3.46E-01	1.22E+02
2725	490460.04	3859210.04	23.2544	9.5211	44.944	5.99905	1.77E+00	1.02E+02	4.97E+00	3.43E-01	1.09E+02	1.72E+00	4.29E-04	4.97E-01	6.72E-02	2.29E+00	1.93E+00	1.02E+02	4.97E+00	3.43E-01	1.09E+02
2726	490510.04	3859210.04	22.9214	8.75923	44.496	6.10316	1.75E+00	9.35E+01	4.92E+00	3.49E-01	1.00E+02	1.70E+00	3.95E-04	4.92E-01	6.83E-02	2.26E+00	1.90E+00	9.35E+01	4.92E+00	3.49E-01	1.01E+02
2727	490560.04	3859210.04	22.4255	8.23982	44.354	6.18811	1.71E+00	8.79E+01	4.90E+00	3.54E-01	9.49E+01	1.66E+00	3.71E-04	4.90E-01	6.93E-02	2.22E+00	1.86E+00	8.79E+01	4.90E+00	3.54E-01	9.51E+01
2728	490610.04	3859210.04	22.183	7.48647	43.915	6.34002	1.69E+00	7.99E+01	4.86E+00	3.63E-01	8.68E+01	1.64E+00	3.37E-04	4.86E-01	7.10E-02	2.20E+00	1.84E+00	7.99E+01	4.86E+00	3.63E-01	8.70E+01
2729	490660.04	3859210.04	22.5685	7.31555	43.206	7.3688	1.72E+00	7.81E+01	4.78E+00	4.21E-01	8.50E+01	1.67E+00	3.30E-04	4.78E-01	8.25E-02	2.23E+00	1.87E+00	7.81E+01	4.78E+00	4.21E-01	8.51E+01
2730	490710.04	3859210.04	23.1699	7.27925	42.318	8.29225	1.77E+00	7.77E+01	4.68E+00	4.74E-01	8.46E+01	1.72E+00	3.28E-04	4.68E-01	9.28E-02	2.28E+00	1.92E+00	7.77E+01	4.68E+00	4.74E-01	8.48E+01
2731	490760.04	3859210.04	25.5674	7.23485	41.208	10.03094	1.95E+00	7.72E+01	4.56E+00	5.74E-01	8.43E+01	1.89E+00	3.26E-04	4.56E-01	1.12E-01	2.46E+00	2.12E+00	7.72E+01	4.56E+00	5.74E-01	8.45E+01
2732	490810.04	3859210.04	26.1583	7.20592	43.55	10.20764	1.99E+00	7.69E+01	4.81E+00	5.84E-01	8.43E+01	1.94E+00	3.25E-04	4.81E-01	1.14E-01	2.53E+00	2.17E+00	7.69E+01	4.81E+00	5.84E-01	8.45E+01
2733	490860.04	3859210.04	26.6175	7.17613	46.506	10.40691	2.03E+00	7.66E+01	5.14E+00	5.95E-01	8.43E+01	1.97E+00	3.23E-04	5.14E-01	1.16E-01	2.60E+00	2.21E+00	7.66E+01	5.14E+00	5.95E-01	8.45E+01
2734	490360.04	3859260.04	23.7302	11.3	50.89	6.06278	1.81E+00	1.21E+02	5.63E+00	3.47E-01	1.28E+02	1.76E+00	5.09E-04	5.63E-01	6.79E-02	2.39E+00	1.97E+00	1.21E+02	5.63E+00	3.47E-01	1.29E+02
2735	490410.04	3859260.04	23.4263	10.7204	49.441	6.08426	1.79E+00	1.14E+02	5.47E+00	3.48E-01	1.22E+02	1.73E+00	4.83E-04	5.47E-01	6.81E-02	2.35E+00	1.94E+00	1.14E+02	5.47E+00	3.48E-01	1.22E+02
2736	490460.04	3859260.04	23.0034	10.2731	47.77	6.11238	1.75E+00	1.10E+02	5.28E+00	3.50E-01	1.17E+02	1.70E+00	4.63E-04	5.28E-01	6.84E-02	2.30E+00	1.91E+00	1.10E+02	5.28E+00	3.50E-01	1.17E+02
2737	490510.04	3859260.04	22.8964	9.74314	45.906	6.13856	1.75E+00	1.04E+02	5.08E+00	3.51E-01	1.11E+02	1.70E+00	4.39E-04	5.08E-01	6.87E-02	2.27E+00	1.90E+00	1.04E+02	5.08E+00	3.51E-01	1.11E+02
2738	490560.04	3859260.04	22.6609	9.0399	44.105	6.13336	1.73E+00	9.65E+01	4.88E+00	3.51E-01	1.03E+02	1.68E+00	4.08E-04	4.88E-01	6.87E-02	2.23E+00	1.88E+00	9.65E+01	4.88E+00	3.51E-01	1.04E+02
2739	490610.04	3859260.04	22.2783	7.93068	44.165	6.10243	1.70E+00	8.46E+01	4.88E+00	3.49E-01	9.16E+01	1.65E+00	3.58E-04	4.88E-01	6.83E-02	2.21E+00	1.85E+00	8.46E+01	4.88E+00	3.49E-01	9.17E+01
2740	490660.04	3859260.04	21.8224	7.7653	44.033	6.13523	1.66E+00	8.29E+01	4.87E+00	3.51E-01	8.98E+01	1.62E+00	3.50E-04	4.87E-01	6.87E-02	2.17E+00	1.81E+00	8.29E+01	4.87E+00	3.51E-01	8.99E+01
2741	490710.04	3859260.04	21.6295	7.15814	43.616	6.68283	1.65E+00	7.64E+01	4.82E+00	3.82E-01	8.32E+01	1.60E+00	3.23E-04	4.82E-01	7.48E-02	2.16E+00	1.80E+00	7.64E+01	4.82E+00	3.82E-01	8.34E+01

2742	490760.04	3859260.04	22.2843	6.84345	42.917	8.24802	1.70E+00	7.30E+01	4.74E+00	4.72E-01	7.99E+01	1.65E+00	3.08E-04	4.74E-01	9.23E-02	2.22E+00	1.85E+00	7.30E+01	4.74E+00	4.72E-01	8.01E+01
2743	490810.04	3859260.04	22.8355	6.80883	42.074	8.4861	1.74E+00	7.27E+01	4.65E+00	4.85E-01	7.95E+01	1.69E+00	3.07E-04	4.65E-01	9.50E-02	2.25E+00	1.90E+00	7.27E+01	4.65E+00	4.85E-01	7.97E+01
2744	490860.04	3859260.04	23.2471	6.77417	41.049	8.70799	1.77E+00	7.23E+01	4.54E+00	4.98E-01	7.91E+01	1.72E+00	3.05E-04	4.54E-01	9.75E-02	2.27E+00	1.93E+00	7.23E+01	4.54E+00	4.98E-01	7.93E+01
2745	490360.04	3859310.04	23.3601	11.7234	51.713	6.34308	1.78E+00	1.25E+02	5.72E+00	3.63E-01	1.33E+02	1.73E+00	5.28E-04	5.72E-01	7.10E-02	2.37E+00	1.94E+00	1.25E+02	5.72E+00	3.63E-01	1.33E+02
2746	490410.04	3859310.04	23.3692	11.1492	50.836	6.35693	1.78E+00	1.19E+02	5.62E+00	3.64E-01	1.27E+02	1.73E+00	5.03E-04	5.62E-01	7.12E-02	2.36E+00	1.94E+00	1.19E+02	5.62E+00	3.64E-01	1.27E+02
2747	490460.04	3859310.04	23.1579	10.6422	49.664	6.37423	1.77E+00	1.14E+02	5.49E+00	3.65E-01	1.21E+02	1.71E+00	4.80E-04	5.49E-01	7.14E-02	2.34E+00	1.92E+00	1.14E+02	5.49E+00	3.65E-01	1.21E+02
2748	490510.04	3859310.04	22.7407	10.2815	48.252	6.39952	1.73E+00	1.10E+02	5.33E+00	3.66E-01	1.17E+02	1.68E+00	4.63E-04	5.33E-01	7.16E-02	2.29E+00	1.89E+00	1.10E+02	5.33E+00	3.66E-01	1.17E+02
2749	490560.04	3859310.04	22.5076	9.8534	46.611	6.41584	1.72E+00	1.05E+02	5.15E+00	3.67E-01	1.12E+02	1.67E+00	4.44E-04	5.15E-01	7.18E-02	2.25E+00	1.87E+00	1.05E+02	5.15E+00	3.67E-01	1.13E+02
2750	490610.04	3859310.04	22.3328	9.51011	44.805	6.43496	1.70E+00	1.01E+02	4.95E+00	3.68E-01	1.09E+02	1.65E+00	4.29E-04	4.95E-01	7.20E-02	2.22E+00	1.85E+00	1.01E+02	4.95E+00	3.68E-01	1.09E+02
2751	490660.04	3859310.04	22.0275	8.98582	43.802	6.43686	1.68E+00	9.59E+01	4.84E+00	3.68E-01	1.03E+02	1.63E+00	4.05E-04	4.84E-01	7.21E-02	2.19E+00	1.83E+00	9.59E+01	4.84E+00	3.68E-01	1.03E+02
2752	490710.04	3859310.04	21.6102	7.89987	43.826	6.3925	1.65E+00	8.43E+01	4.85E+00	3.66E-01	9.12E+01	1.60E+00	3.56E-04	4.85E-01	7.16E-02	2.16E+00	1.79E+00	8.43E+01	4.85E+00	3.66E-01	9.13E+01
2753	490760.04	3859310.04	21.3106	7.3189	43.641	6.41053	1.62E+00	7.81E+01	4.82E+00	3.67E-01	8.49E+01	1.58E+00	3.30E-04	4.82E-01	7.18E-02	2.13E+00	1.77E+00	7.81E+01	4.82E+00	3.67E-01	8.51E+01
2754	490810.04	3859310.04	21.395	7.0326	43.238	6.62516	1.63E+00	7.50E+01	4.78E+00	3.79E-01	8.18E+01	1.58E+00	3.17E-04	4.78E-01	7.42E-02	2.14E+00	1.78E+00	7.51E+01	4.78E+00	3.79E-01	8.20E+01
2755	490860.04	3859310.04	22.022	6.52881	42.598	7.37963	1.68E+00	6.97E+01	4.71E+00	4.22E-01	7.65E+01	1.63E+00	2.94E-04	4.71E-01	8.26E-02	2.18E+00	1.83E+00	6.97E+01	4.71E+00	4.22E-01	7.66E+01
2756	490360.04	3859360.04	22.5562	12.097	51.438	6.63001	1.72E+00	1.29E+02	5.69E+00	3.79E-01	1.37E+02	1.67E+00	5.45E-04	5.69E-01	7.42E-02	2.31E+00	1.87E+00	1.29E+02	5.69E+00	3.79E-01	1.37E+02
2757	490410.04	3859360.04	22.8153	11.7164	51.208	6.65828	1.74E+00	1.25E+02	5.66E+00	3.81E-01	1.33E+02	1.69E+00	5.28E-04	5.66E-01	7.45E-02	2.33E+00	1.89E+00	1.25E+02	5.66E+00	3.81E-01	1.33E+02
2758	490460.04	3859360.04	22.8868	11.372	50.635	6.67919	1.74E+00	1.21E+02	5.60E+00	3.82E-01	1.29E+02	1.69E+00	5.13E-04	5.60E-01	7.48E-02	2.33E+00	1.90E+00	1.21E+02	5.60E+00	3.82E-01	1.29E+02
2759	490510.04	3859360.04	22.7664	11.0071	49.742	6.6946	1.74E+00	1.17E+02	5.50E+00	3.83E-01	1.25E+02	1.69E+00	4.96E-04	5.50E-01	7.49E-02	2.31E+00	1.89E+00	1.17E+02	5.50E+00	3.83E-01	1.25E+02
2760	490560.04	3859360.04	22.4912	10.4505	48.54	6.69043	1.71E+00	1.12E+02	5.37E+00	3.83E-01	1.19E+02	1.67E+00	4.71E-04	5.37E-01	7.49E-02	2.28E+00	1.87E+00	1.12E+02	5.37E+00	3.83E-01	1.19E+02
2761	490610.04	3859360.04	22.0791	9.91226	47.109	6.68595	1.68E+00	1.06E+02	5.21E+00	3.82E-01	1.13E+02	1.63E+00	4.47E-04	5.21E-01	7.48E-02	2.23E+00	1.83E+00	1.06E+02	5.21E+00	3.82E-01	1.13E+02
2762	490660.04	3859360.04	21.9978	9.48043	45.497	6.68728	1.68E+00	1.01E+02	5.03E+00	3.82E-01	1.08E+02	1.63E+00	4.27E-04	5.03E-01	7.49E-02	2.21E+00	1.83E+00	1.01E+02	5.03E+00	3.82E-01	1.08E+02
2763	490710.04	3859360.04	21.7872	8.79599	43.699	6.66556	1.66E+00	9.39E+01	4.83E+00	3.81E-01	1.01E+02	1.61E+00	3.97E-04	4.83E-01	7.46E-02	2.17E+00	1.81E+00	9.39E+01	4.83E+00	3.81E-01	1.01E+02
2764	490760.04	3859360.04	21.4371	8.04838	43.342	6.63553	1.63E+00	8.59E+01	4.79E+00	3.79E-01	9.27E+01	1.59E+00	3.63E-04	4.79E-01	7.43E-02	2.14E+00	1.78E+00	8.59E+01	4.79E+00	3.79E-01	9.28E+01
2765	490810.04	3859360.04	20.9525	7.93621	43.429	6.65264	1.60E+00	8.47E+01	4.80E+00	3.80E-01	9.15E+01	1.55E+00	3.58E-04	4.80E-01	7.45E-02	2.11E+00	1.74E+00	8.47E+01	4.80E+00	3.80E-01	9.16E+01
2766	490860.04	3859360.04	20.8019	7.50926	43.244	6.64139	1.59E+00	8.01E+01	4.78E+00	3.80E-01	8.69E+01	1.54E+00	3.39E-04	4.78E-01	7.43E-02	2.09E+00	1.73E+00	8.01E+01	4.78E+00	3.80E-01	8.70E+01
2767	490360.04	3859410.04	23.1558	12.735	50.142	6.89819	1.76E+00	1.36E+02	5.54E+00	3.94E-01	1.44E+02	1.71E+00	5.74E-04	5.54E-01	7.72E-02	2.35E+00	1.92E+00	1.36E+02	5.54E+00	3.94E-01	1.44E+02
2768	490410.04	3859410.04	22.4274	12.3217	50.52	6.94392	1.71E+00	1.31E+02	5.59E+00	3.97E-01	1.39E+02	1.66E+00	5.55E-04	5.59E-01	7.77E-02	2.30E+00	1.86E+00	1.31E+02	5.59E+00	3.97E-01	1.39E+02
2769	490460.04	3859410.04	22.217	11.8881	50.54	6.96039	1.69E+00	1.27E+02	5.59E+00	3.98E-01	1.35E+02	1.64E+00	5.36E-04	5.59E-01	7.79E-02	2.28E+00	1.84E+00	1.27E+02	5.59E+00	3.98E-01	1.35E+02
2770	490510.04	3859410.04	22.3909	11.4114	50.215	6.96523	1.71E+00	1.22E+02	5.55E+00	3.98E-01	1.29E+02	1.66E+00	5.14E-04	5.55E-01	7.80E-02	2.29E+00	1.86E+00	1.22E+02	5.55E+00	3.98E-01	1.30E+02
2771	490560.04	3859410.04	22.373	11.0295	49.571	6.96713	1.71E+00	1.18E+02	5.48E+00	3.98E-01	1.25E+02	1.66E+00	4.97E-04	5.48E-01	7.80E-02	2.28E+00	1.86E+00	1.18E+02	5.48E+00	3.98E-01	1.25E+02
2772	490610.04	3859410.04	22.1759	10.6565	48.637	6.96467	1.69E+00	1.14E+02	5.38E+00	3.98E-01	1.21E+02	1.64E+00	4.80E-04	5.38E-01	7.80E-02	2.26E+00	1.84E+00	1.14E+02	5.38E+00	3.98E-01	1.21E+02
2773	490660.04	3859410.04	21.841	9.97057	47.416	6.93936	1.66E+00	1.06E+02	5.24E+00	3.97E-01	1.14E+02	1.62E+00	4.49E-04	5.24E-01	7.77E-02	2.22E+00	1.81E+00	1.06E+02	5.24E+00	3.97E-01	1.14E+02
2774	490710.04	3859410.04	21.613	9.43633	46	6.92035	1.65E+00	1.01E+02	5.09E+00	3.96E-01	1.08E+02	1.60E+00	4.25E-04	5.09E-01	7.75E-02	2.19E+00	1.79E+00	1.01E+02	5.09E+00	3.96E-01	1.08E+02
2775	490760.04	3859410.04	21.4983	8.67612	44.383	6.88099	1.64E+00	9.26E+01	4.91E+00	3.93E-01	9.95E+01	1.59E+00	3.91E-04	4.91E-01	7.70E-02	2.16E+00	1.78E+00	9.26E+01	4.91E+00	3.93E-01	9.97E+01
2776	490810.04	3859410.04	21.2135	8.54097	42.685	6.88099	1.62E+00	9.11E+01	4.72E+00	3.93E-01	9.79E+01	1.57E+00	3.85E-04	4.72E-01	7.70E-02	2.12E+00	1.76E+00	9.11E+01	4.72E+00	3.93E-01	9.80E+01
2777	490860.04	3859410.04	20.7969	8.49939	42.965	6.89471	1.59E+00	9.07E+01	4.75E+00	3.94E-01	9.74E+01	1.54E+00	3.83E-04	4.75E-01	7.72E-02	2.09E+00	1.73E+00	9.07E+01	4.75E+00	3.94E-01	9.76E+01
2778	490360.04	3859460.04	23.3546	13.128	47.925	7.13247	1.78E+00	1.40E+02	5.30E+00	4.08E-01	1.48E+02	1.73E+00	5.92E-04	5.30E-01	7.98E-02	2.34E+00	1.94E+00	1.40E+02	5.30E+00	4.08E-01	1.48E+02
2779	490410.04	3859460.04	22.9319	12.6879	48.868	7.18647	1.75E+00	1.35E+02	5.40E+00	4.11E-01	1.43E+02	1.70E+00	5.72E-04	5.40E-01	8.04E-02	2.32E+00	1.90E+00	1.35E+02	5.40E+00	4.11E-01	1.43E+02
2780	490460.04	3859460.04	22.295	12.3209	49.452	7.20855	1.70E+00	1.31E+02	5.47E+00	4.12E-01	1.39E+02	1.65E+00	5.55E-04	5.47E-01	8.07E-02	2.28E+00	1.85E+00	1.31E+02	5.47E+00	4.12E-01	1.39E+02
2781	490510.04	3859460.04	21.6274	11.9137	49.695	7.20787	1.65E+00	1.27E+02	5.49E+00	4.12E-01	1.35E+02	1.60E+00	5.37E-04	5.49E-01	8.07E-02	2.23E+00	1.80E+00	1.27E+02	5.49E+00	4.12E-01	1.35E+02
2782	490560.04	3859460.04	21.8785	11.5219	49.611	7.20444	1.67E+00	1.23E+02	5.49E+00	4.12E-01	1.31E+02	1.62E+00	5.19E-04	5.49E-01	8.06E-02	2.25E+00	1.82E+00	1.23E+02	5.49E+00	4.12E-01	1.31E+02
2783	490610.04	3859460.04	21.9664	10.9925	49.197	7.18868	1.67E+00	1.17E+02	5.44E+00	4.11E-01	1.25E+02	1.63E+00	4.96E-04	5.44E-01	8.05E-02	2.25E+00	1.82E+00	1.17E+02	5.44E+00	4.11E-01	1.25E+02
2784	490660.04	3859460.04	21.8796	10.4392	48.483	7.16632	1.67E+00	1.11E+02	5.36E+00	4.10E-01	1.19E+02	1.62E+00	4.71E-04	5.36E-01	8.02E-02	2.24E+00	1.82E+00	1.11E+02	5.36E+00	4.10E-01	1.19E+02
2785	490710.04	3859460.04	21.5937	10.0767	47.534	7.15655	1.65E+00	1.08E+02	5.26E+00	4.09E-01	1.15E+02	1.60E+00	4.54E-04	5.26E-01	8.01E-02	2.20E+00	1.79E+00	1.08E+02	5.26E+00	4.09E-01	1.15E+02
2786	490760.04	3859460.04	21.1854	9.66546	46.329	7.12772	1.61E+00	1.03E+02	5.12E+00	4.08E-01	1.10E+02	1.57E+00	4.36E-04	5.12E-01	7.98E-02	2.16E+00	1.76E+00	1.03E+02	5.12E+00	4.08E-01	1.10E+02
2787	490810.04	3859460.04	21.1327	9.23576	44.94	7.10225	1.61E+00	9.86E+01	4.97E+00	4.06E-01	1.06E+02	1.56E+00	4.16E-04	4.97E-01	7.95E-02	2.14E+00	1.75E+00	9.86E+01	4.97E+00	4.06E-01	1.06E+02
2788	490860.04	3859460.04	20.921	9.0927	43.428	7.10028	1.59E+00	9.70E+01	4.80E+00	4.06E-01	1.04E+02	1.55E+00	4.10E-04	4.80E-01	7.95E-02	2.11E+00	1.74E+00	9.70E+01	4.80E+00	4.06E-01	1.04E+02
2789	490360.04	3859510.04	23.1505	13.3125	44.725	7.33137	1.76E+00	1.42E+02	4.94E+00	4.19E-01	1.49E+02	1.71E+00	6.00E-04	4.94E-01	8.21E-02	2.29E+00	1.92E+00	1.42E+02	4.94E+00	4.19E-01	1.49E+02
2790	490410.04	3859510.04	22.9987	13.0147	46.32	7.3868	1.75E+00	1.39E+02	5.12E+00	4.22E-01	1.46E+02	1.70E+00	5.87E-04	5.12E-01	8.27E-02	2.30E+00	1.91E+00	1.39E+02	5.12E+00	4.22E-01	1.46E+02
2791	490460.04	3859510.04	22.659	12.6474	47.53	7.42228	1.73E+00	1.35E+02	5.25E+00	4.24E-01	1.42E+02	1.68E+00	5.70E-04	5.25E-01	8.31E-02	2.29E+00	1.88E+00	1.35E+02	5.25E+00	4.24E-01	1.43E+02
2792	490510.04	3859510.04	22.1173	12.2986	48.292	7.42303	1.69E+00	1.31E+02	5.34E+00	4.24E-01	1.39E+02	1.64E+00	5.54E-04	5.34E-01	8.31E-02	2.25E+00	1.84E+00	1.31E+02	5.34E+00	4.24E-01	1.39E+02
2793	490560.04	3859510.04	21.4099	11.9309	48.732	7.40834	1.63E+00	1.27E+02	5.39E+00	4.24E-01	1.35E+02	1.59E+00	5.38E-04	5.39E-01	8.29E-02	2.21E+00	1.78E+00	1.27E+02	5.39E+00	4.24E-01	1.35E+02
2794	490610.04	3859510.04	21.3655	11.4845	48.849	7.38572	1.63E+00	1.23E+02	5.40E+00	4.22E-01	1.30E+02	1.58E+00	5.18E-04	5.40E-01	8.27E-02	2.21E+00	1.77E+00	1.23E+02	5.40E+00	4.22E-01	1.30E+02
2795	490660.04	3859510.04	21.534	11.0188	48.662	7.36117	1.64E+00	1.18E+02	5.38E+00	4.21E-01	1.25E+02	1.59E+00	4.97E-04	5.38E-01	8.24E-02	2.22E+00	1.79E+00	1.18E+02	5.38E+00	4.21E-01	1.25E+02
2796	490710.04	3859510.04	21.5265	10.51	48.181	7.33274	1.64E+00	1.12E+02	5.33E+00	4.19E-01	1.20E+02	1.59E+00	4.74E-04	5.33E-01	8.21E-02	2.21E+00	1.79E+00	1.12E+02	5.33E+00	4.19E-01	1.20E+02
2797	490760.04	3859510.04	21.3421	10.0352	47.44	7.3058	1.63E+00	1.07E+02	5.24E+00	4.18E-01	1.14E+02	1.58E+00	4.52E-04	5.24E-01	8.18E-02	2.19E+00	1.77E+00	1.07E+02	5.24E+00	4.18E-01	1.15E+02
2798	490810.04	3859510.04	20.9843	9.69611	46.476	7.28657	1.60E+00	1.03E+02	5.14E+00	4.17E-01	1.11E+02	1.55E+00	4.37E-04	5.14E-01	8.16E-02	2.15E+00	1.74E+00	1.03E+02	5.14E+00	4.17E-01	1.11E+02
2799	490860.04	3859510.04	20.7428	9.36838	45.295	7.25937	1.58E+00	1.00E+02	5.01E+00	4.15E-01	1.07E+02	1.54E+00	4.22E-04	5.01E-01	8.13E-02	2.12E+00	1.72E+00	1.00E+02	5.01E+00	4.15E-01	1.07E+02
2800	490360.04	3859560.04	22.9602	13.3173	40.962	7.48818	1.75E+00	1.42E+02	4.53E+00	4.28E-01	1.49E+02	1.70E+00	6.00E-04	4.53E-01	8.38E-02	2.24E+00	1.91E+00	1.42E+02	4.53E+00	4.28E-01	1.49E+02
2801	490410.04	3859560.04	22.6709	13.0749	42.911	7.53677	1.73E+00	1.40E+02	4.74E+00	4.31E-01	1.46E+02	1.68E+00	5.89E-04	4.74E-01	8.44E-02	2.24E+00	1.88E+00	1.40E+02	4.74E+00	4.31E-01	1.47E+02
2802	490460.04	3859560.04	22.6104	12.8045	44.633	7.57441	1.72E+00	1.37E+02	4.93E+00	4.33E-01	1.44E+02	1.67E+00	5.77E-04	4.93E-01	8.48E-02	2.25E+00	1.88E+00	1.37E+02	4.93E+00	4.33E-01	1.44E+02

2803	490510.04	3859560.04	22.3752	12.4467	46.079	7.58457	1.71E+00	1.33E+02	5.09E+00	4.34E-01	1.40E+02	1.66E+00	5.61E-04	5.09E-01	8.49E-02	2.25E+00	1.86E+00	1.33E+02	5.09E+00	4.34E-01	1.40E+02
2804	490560.04	3859560.04	21.9098	12.1854	47.058	7.57311	1.67E+00	1.30E+02	5.20E+00	4.33E-01	1.37E+02	1.62E+00	5.49E-04	5.20E-01	8.48E-02	2.23E+00	1.82E+00	1.30E+02	5.20E+00	4.33E-01	1.37E+02
2805	490610.04	3859560.04	21.302	11.8159	47.659	7.54324	1.62E+00	1.26E+02	5.27E+00	4.31E-01	1.33E+02	1.58E+00	5.33E-04	5.27E-01	8.44E-02	2.19E+00	1.77E+00	1.26E+02	5.27E+00	4.31E-01	1.34E+02
2806	490660.04	3859560.04	20.8067	11.4423	47.973	7.51308	1.59E+00	1.22E+02	5.30E+00	4.30E-01	1.29E+02	1.54E+00	5.16E-04	5.30E-01	8.41E-02	2.16E+00	1.73E+00	1.22E+02	5.30E+00	4.30E-01	1.30E+02
2807	490710.04	3859560.04	21.0563	11.003	47.989	7.47773	1.60E+00	1.17E+02	5.31E+00	4.28E-01	1.25E+02	1.56E+00	4.96E-04	5.31E-01	8.37E-02	2.17E+00	1.75E+00	1.17E+02	5.31E+00	4.28E-01	1.25E+02
2808	490760.04	3859560.04	21.1506	10.4349	47.708	7.43287	1.61E+00	1.11E+02	5.27E+00	4.25E-01	1.19E+02	1.57E+00	4.70E-04	5.27E-01	8.32E-02	2.18E+00	1.76E+00	1.11E+02	5.27E+00	4.25E-01	1.19E+02
2809	490810.04	3859560.04	21.05	10.0048	47.18	7.39868	1.60E+00	1.07E+02	5.22E+00	4.23E-01	1.14E+02	1.56E+00	4.51E-04	5.22E-01	8.28E-02	2.16E+00	1.75E+00	1.07E+02	5.22E+00	4.23E-01	1.14E+02
2810	490860.04	3859560.04	20.7949	9.5429	46.406	7.36152	1.59E+00	1.02E+02	5.13E+00	4.21E-01	1.09E+02	1.54E+00	4.30E-04	5.13E-01	8.24E-02	2.14E+00	1.73E+00	1.02E+02	5.13E+00	4.21E-01	1.09E+02
2811	490187.25	3859422.08	24.158	14.1604	44.697	6.65697	1.84E+00	1.51E+02	4.94E+00	3.81E-01	1.58E+02	1.79E+00	6.38E-04	4.94E-01	7.45E-02	2.36E+00	2.01E+00	1.51E+02	4.94E+00	3.81E-01	1.58E+02
2812	490237.25	3859422.08	24.0038	13.8001	46.67	6.75612	1.83E+00	1.47E+02	5.16E+00	3.86E-01	1.55E+02	1.78E+00	6.22E-04	5.16E-01	7.56E-02	2.37E+00	1.99E+00	1.47E+02	5.16E+00	3.86E-01	1.55E+02
2813	490287.25	3859422.08	23.8483	13.4363	48.243	6.8457	1.82E+00	1.43E+02	5.33E+00	3.91E-01	1.51E+02	1.77E+00	6.06E-04	5.33E-01	7.66E-02	2.38E+00	1.98E+00	1.43E+02	5.33E+00	3.91E-01	1.51E+02
2814	490337.25	3859422.08	23.4903	12.9913	49.332	6.9255	1.79E+00	1.39E+02	5.45E+00	3.96E-01	1.46E+02	1.74E+00	5.86E-04	5.45E-01	7.75E-02	2.36E+00	1.95E+00	1.39E+02	5.45E+00	3.96E-01	1.46E+02
2815	490187.25	3859472.08	24.1881	14.262	41.924	6.90132	1.84E+00	1.52E+02	4.64E+00	3.95E-01	1.59E+02	1.79E+00	6.43E-04	4.64E-01	7.73E-02	2.33E+00	2.01E+00	1.52E+02	4.64E+00	3.95E-01	1.59E+02
2816	490237.25	3859472.08	23.8474	13.974	42.792	6.99495	1.82E+00	1.49E+02	4.73E+00	4.00E-01	1.56E+02	1.77E+00	6.30E-04	4.73E-01	7.83E-02	2.32E+00	1.98E+00	1.49E+02	4.73E+00	4.00E-01	1.56E+02
2817	490287.25	3859472.08	23.5361	13.6001	44.891	7.07789	1.79E+00	1.45E+02	4.96E+00	4.05E-01	1.52E+02	1.74E+00	6.13E-04	4.96E-01	7.92E-02	2.32E+00	1.95E+00	1.45E+02	4.96E+00	4.05E-01	1.52E+02
2818	490337.25	3859472.08	23.4516	13.3203	46.58	7.15249	1.79E+00	1.42E+02	5.15E+00	4.09E-01	1.49E+02	1.74E+00	6.00E-04	5.15E-01	8.01E-02	2.33E+00	1.95E+00	1.42E+02	5.15E+00	4.09E-01	1.50E+02
2819	490297.07	3859500.42	23.376	13.6292	43.086	7.21117	1.78E+00	1.45E+02	4.76E+00	4.12E-01	1.52E+02	1.73E+00	6.14E-04	4.76E-01	8.07E-02	2.29E+00	1.94E+00	1.45E+02	4.76E+00	4.12E-01	1.53E+02
2820	490327.07	3859500.42	23.2259	13.5182	44.194	7.25374	1.77E+00	1.44E+02	4.89E+00	4.15E-01	1.51E+02	1.72E+00	6.09E-04	4.89E-01	8.12E-02	2.29E+00	1.93E+00	1.44E+02	4.89E+00	4.15E-01	1.51E+02
2821	490297.07	3859530.42	23.4157	13.7049	40.615	7.32271	1.78E+00	1.46E+02	4.49E+00	4.19E-01	1.53E+02	1.73E+00	6.18E-04	4.49E-01	8.20E-02	2.27E+00	1.94E+00	1.46E+02	4.49E+00	4.19E-01	1.53E+02
2822	490327.07	3859530.42	23.1677	13.5376	41.906	7.36178	1.77E+00	1.44E+02	4.63E+00	4.21E-01	1.51E+02	1.72E+00	6.10E-04	4.63E-01	8.24E-02	2.26E+00	1.92E+00	1.44E+02	4.63E+00	4.21E-01	1.51E+02
2823	490319.73	3859055.34	23.614	10.0662	44.34	6.31337	1.80E+00	1.07E+02	4.90E+00	3.61E-01	1.14E+02	1.75E+00	4.54E-04	4.90E-01	7.07E-02	2.31E+00	1.96E+00	1.07E+02	4.90E+00	3.61E-01	1.15E+02
2824	490319.73	3859105.34	23.9454	10.6902	45.025	6.50994	1.83E+00	1.14E+02	4.98E+00	3.72E-01	1.21E+02	1.77E+00	4.82E-04	4.98E-01	7.29E-02	2.34E+00	1.99E+00	1.14E+02	4.98E+00	3.72E-01	1.21E+02
2825	490069.73	3859155.34	24.4549	13.1873	54.912	6.26091	1.86E+00	1.41E+02	6.07E+00	3.58E-01	1.49E+02	1.81E+00	5.94E-04	6.07E-01	7.01E-02	2.49E+00	2.03E+00	1.41E+02	6.07E+00	3.58E-01	1.49E+02
2826	490119.73	3859155.34	24.662	12.8934	54.201	6.3551	1.88E+00	1.38E+02	5.99E+00	3.63E-01	1.46E+02	1.83E+00	5.81E-04	5.99E-01	7.11E-02	2.50E+00	2.05E+00	1.38E+02	5.99E+00	3.63E-01	1.46E+02
2827	490269.73	3859155.34	24.0006	11.9327	49.795	6.45691	1.83E+00	1.27E+02	5.51E+00	3.69E-01	1.35E+02	1.78E+00	5.38E-04	5.51E-01	7.23E-02	2.40E+00	1.99E+00	1.27E+02	5.51E+00	3.69E-01	1.35E+02
2828	490319.73	3859155.34	23.8329	11.3275	47.713	6.49342	1.82E+00	1.21E+02	5.28E+00	3.71E-01	1.28E+02	1.76E+00	5.11E-04	5.28E-01	7.27E-02	2.37E+00	1.98E+00	1.21E+02	5.28E+00	3.71E-01	1.29E+02
2829	490069.73	3859205.34	25.1019	13.712	54.25	6.45301	1.91E+00	1.46E+02	6.00E+00	3.69E-01	1.55E+02	1.86E+00	6.18E-04	6.00E-01	7.22E-02	2.53E+00	2.08E+00	1.46E+02	6.00E+00	3.69E-01	1.55E+02
2830	490119.73	3859205.34	24.1917	13.5319	54.334	6.45891	1.84E+00	1.44E+02	6.01E+00	3.69E-01	1.53E+02	1.79E+00	6.10E-04	6.01E-01	7.23E-02	2.46E+00	2.01E+00	1.44E+02	6.01E+00	3.69E-01	1.53E+02
2831	490169.73	3859205.34	23.989	13.2179	53.934	6.45987	1.83E+00	1.41E+02	5.96E+00	3.69E-01	1.49E+02	1.78E+00	5.96E-04	5.96E-01	7.23E-02	2.45E+00	1.99E+00	1.41E+02	5.96E+00	3.69E-01	1.49E+02
2832	490219.73	3859205.34	24.1708	12.7412	53.065	6.47092	1.84E+00	1.36E+02	5.87E+00	3.70E-01	1.44E+02	1.79E+00	5.74E-04	5.87E-01	7.24E-02	2.45E+00	2.01E+00	1.36E+02	5.87E+00	3.70E-01	1.44E+02
2833	490269.73	3859205.34	24.1683	12.0866	51.806	6.4855	1.84E+00	1.29E+02	5.73E+00	3.71E-01	1.37E+02	1.79E+00	5.45E-04	5.73E-01	7.26E-02	2.44E+00	2.01E+00	1.29E+02	5.73E+00	3.71E-01	1.37E+02
2834	490319.73	3859205.34	23.8779	11.6522	50.275	6.3648	1.82E+00	1.24E+02	5.56E+00	3.64E-01	1.32E+02	1.77E+00	5.25E-04	5.56E-01	7.12E-02	2.40E+00	1.98E+00	1.24E+02	5.56E+00	3.64E-01	1.32E+02
2835	490069.73	3859255.34	25.4239	13.9449	52.247	6.60254	1.94E+00	1.49E+02	5.78E+00	3.78E-01	1.57E+02	1.88E+00	6.29E-04	5.78E-01	7.39E-02	2.53E+00	2.11E+00	1.49E+02	5.78E+00	3.78E-01	1.57E+02
2836	490119.73	3859255.34	24.8465	13.7509	53.082	6.52595	1.89E+00	1.47E+02	5.87E+00	3.73E-01	1.55E+02	1.84E+00	6.20E-04	5.87E-01	7.31E-02	2.50E+00	2.06E+00	1.47E+02	5.87E+00	3.73E-01	1.55E+02
2837	490169.73	3859255.34	24.1002	13.4093	53.453	6.43977	1.84E+00	1.43E+02	5.91E+00	3.68E-01	1.51E+02	1.78E+00	6.04E-04	5.91E-01	7.21E-02	2.45E+00	2.00E+00	1.43E+02	5.91E+00	3.68E-01	1.51E+02
2838	490219.73	3859255.34	23.4765	12.9639	53.295	6.35369	1.79E+00	1.38E+02	5.89E+00	3.63E-01	1.46E+02	1.74E+00	5.84E-04	5.89E-01	7.11E-02	2.40E+00	1.95E+00	1.38E+02	5.89E+00	3.63E-01	1.47E+02
2839	490269.73	3859255.34	23.7623	12.4362	52.726	6.24073	1.81E+00	1.33E+02	5.83E+00	3.57E-01	1.41E+02	1.76E+00	5.61E-04	5.83E-01	6.99E-02	2.41E+00	1.97E+00	1.33E+02	5.83E+00	3.57E-01	1.41E+02
2840	490319.73	3859255.34	23.7933	11.9948	51.806	6.07927	1.81E+00	1.28E+02	5.73E+00	3.48E-01	1.36E+02	1.76E+00	5.41E-04	5.73E-01	6.81E-02	2.40E+00	1.98E+00	1.28E+02	5.73E+00	3.48E-01	1.36E+02
2841	490069.73	3859305.34	25.2376	14.2188	49.159	6.59924	1.92E+00	1.52E+02	5.44E+00	3.77E-01	1.59E+02	1.87E+00	6.41E-04	5.44E-01	7.39E-02	2.49E+00	2.10E+00	1.52E+02	5.44E+00	3.77E-01	1.60E+02
2842	490119.73	3859305.34	25.0009	14.0672	50.642	6.44101	1.91E+00	1.50E+02	5.60E+00	3.68E-01	1.58E+02	1.85E+00	6.34E-04	5.60E-01	7.21E-02	2.48E+00	2.08E+00	1.50E+02	5.60E+00	3.68E-01	1.58E+02
2843	490169.73	3859305.34	24.5802	13.7546	51.751	6.27096	1.87E+00	1.47E+02	5.72E+00	3.59E-01	1.55E+02	1.82E+00	6.20E-04	5.72E-01	7.02E-02	2.46E+00	2.04E+00	1.47E+02	5.72E+00	3.59E-01	1.55E+02
2844	490219.73	3859305.34	23.9932	13.2614	52.35	6.18473	1.83E+00	1.42E+02	5.79E+00	3.54E-01	1.49E+02	1.78E+00	5.98E-04	5.79E-01	6.92E-02	2.42E+00	1.99E+00	1.42E+02	5.79E+00	3.54E-01	1.50E+02
2845	490269.73	3859305.34	23.2145	12.7305	52.477	6.21869	1.77E+00	1.36E+02	5.80E+00	3.56E-01	1.44E+02	1.72E+00	5.74E-04	5.80E-01	6.96E-02	2.37E+00	1.93E+00	1.36E+02	5.80E+00	3.56E-01	1.44E+02
2846	490319.73	3859305.34	23.2587	12.1924	52.193	6.295	1.77E+00	1.30E+02	5.77E+00	3.60E-01	1.38E+02	1.72E+00	5.50E-04	5.77E-01	7.05E-02	2.37E+00	1.93E+00	1.30E+02	5.77E+00	3.60E-01	1.38E+02
2847	490069.73	3859355.34	25.1718	14.5484	45.143	6.43772	1.92E+00	1.55E+02	4.99E+00	3.68E-01	1.63E+02	1.86E+00	6.56E-04	4.99E-01	7.21E-02	2.44E+00	2.09E+00	1.55E+02	4.99E+00	3.68E-01	1.63E+02
2848	490119.73	3859355.34	24.6333	14.3817	47.157	6.2683	1.88E+00	1.53E+02	5.21E+00	3.58E-01	1.61E+02	1.82E+00	6.48E-04	5.21E-01	7.02E-02	2.42E+00	2.05E+00	1.53E+02	5.21E+00	3.58E-01	1.61E+02
2849	490169.73	3859355.34	24.5618	14.0744	48.916	6.27391	1.87E+00	1.50E+02	5.41E+00	3.59E-01	1.58E+02	1.82E+00	6.34E-04	5.41E-01	7.02E-02	2.43E+00	2.04E+00	1.50E+02	5.41E+00	3.59E-01	1.58E+02
2850	490219.73	3859355.34	24.3054	13.6134	50.311	6.37942	1.85E+00	1.45E+02	5.56E+00	3.65E-01	1.53E+02	1.80E+00	6.14E-04	5.56E-01	7.14E-02	2.43E+00	2.02E+00	1.45E+02	5.56E+00	3.65E-01	1.53E+02
2851	490269.73	3859355.34	23.8083	13.1815	51.126	6.47663	1.81E+00	1.41E+02	5.65E+00	3.70E-01	1.49E+02	1.76E+00	5.94E-04	5.65E-01	7.25E-02	2.40E+00	1.98E+00	1.41E+02	5.65E+00	3.70E-01	1.49E+02
2852	490319.73	3859355.34	23.1386	12.5929	51.494	6.56141	1.76E+00	1.34E+02	5.69E+00	3.75E-01	1.42E+02	1.71E+00	5.68E-04	5.69E-01	7.35E-02	2.36E+00	1.92E+00	1.34E+02	5.69E+00	3.75E-01	1.42E+02
2853	490069.73	3859405.34	24.9884	14.7717	43.757	6.35432	1.90E+00	1.58E+02	4.84E+00	3.63E-01	1.65E+02	1.85E+00	6.66E-04	4.84E-01	7.11E-02	2.41E+00	2.07E+00	1.58E+02	4.84E+00	3.63E-01	1.65E+02
2854	490119.73	3859405.34	24.7291	14.55	43.056	6.41891	1.88E+00	1.55E+02	4.76E+00	3.67E-01	1.62E+02	1.83E+00	6.56E-04	4.76E-01	7.19E-02	2.38E+00	2.05E+00	1.55E+02	4.76E+00	3.67E-01	1.62E+02
2855	490169.73	3859405.34	24.2591	14.2281	45.292	6.53374	1.85E+00	1.52E+02	5.01E+00	3.74E-01	1.59E+02	1.80E+00	6.41E-04	5.01E-01	7.31E-02	2.37E+00	2.01E+00	1.52E+02	5.01E+00	3.74E-01	1.59E+02
2856	490219.73	3859405.34	24.1471	13.8852	47.216	6.63802	1.84E+00	1.48E+02	5.22E+00	3.80E-01	1.56E+02	1.79E+00	6.26E-04	5.22E-01	7.43E-02	2.38E+00	2.00E+00	1.48E+02	5.22E+00	3.80E-01	1.56E+02
2857	490269.73	3859405.34	23.9855	13.447	48.77	6.73189	1.83E+00	1.44E+02	5.39E+00	3.85E-01	1.51E+02	1.78E+00	6.06E-04	5.39E-01	7.54E-02	2.39E+00	1.99E+00	1.44E+02	5.39E+00	3.85E-01	1.51E+02
2858	490319.73	3859405.34	23.6002	12.975	49.77	6.8167	1.80E+00	1.38E+02	5.50E+00	3.90E-01	1.46E+02	1.75E+00	5.85E-04	5.50E-01	7.63E-02	2.37E+00	1.96E+00	1.38E+02	5.50E+00	3.90E-01	1.46E+02
2859	490161.89	3859541.83	23.2957	14.3029	42.753	7.14539	1.78E+00	1.53E+02	4.73E+00	4.09E-01	1.60E+02	1.72E+00	6.45E-04	4.73E-01	8.00E-02	2.28E+00	1.93E+00	1.53E+02	4.73E+00	4.09E-01	1.60E+02
2860	490171.89	3859541.83	23.3699	14.2531	42.636	7.16391	1.78E+00	1.52E+02	4.71E+00	4.10E-01	1.59E+02	1.73E+00	6.43E-04	4.71E-01	8.02E-02	2.28E+00	1.94E+00	1.52E+02	4.71E+00	4.10E-01	1.59E+02
2861	490161.89	3859551.83	23.0948	14.2468	42.732	7.18085	1.76E+00	1.52E+02	4.72E+00	4.11E-01	1.59E+02	1.71E+00	6.42E-04	4.72E-01	8.04E-02	2.26E+00	1.92E+00	1.52E+02	4.72E+00	4.11E-01	1.59E+02
2862	490171.89	3859551.83	23.1806	14.2024	42.622	7.19908	1.77E+00	1.52E+02	4.71E+00	4.12E-01	1.58E+02	1.72E+00	6.40E-04	4.71E-01	8.06E-02	2.27E+00	1.92E+00	1.52E+02	4.71E+00	4.12E-01	1.59E+02
2863	489799.72	3859348.21	26.0436	15.8755	47.699	6.72769	1.99E+00	1.69E+02	5.27E+00	3.85E-01	1.77E+02	1.93E+00	7.16E-04	5.27E-01	7.53E-02	2.53E+00	2.16E+00	1.69E+02	5.27E+00	3.85E-01	1.77E+02

2864	489819.72	3859348.21	25.763	15.7809	47.63	6.74302	1.96E+00	1.68E+02	5.27E+00	3.86E-01	1.76E+02	1.91E+00	7.11E-04	5.27E-01	7.55E-02	2.51E+00	2.14E+00	1.68E+02	5.27E+00	3.86E-01	1.76E+02
2865	489799.72	3859368.21	26.0866	15.9372	47.247	6.78516	1.99E+00	1.70E+02	5.22E+00	3.88E-01	1.78E+02	1.93E+00	7.18E-04	5.22E-01	7.60E-02	2.53E+00	2.17E+00	1.70E+02	5.22E+00	3.88E-01	1.78E+02
2866	489819.72	3859368.21	25.8812	15.7989	47.281	6.8016	1.97E+00	1.69E+02	5.23E+00	3.89E-01	1.76E+02	1.92E+00	7.12E-04	5.23E-01	7.61E-02	2.52E+00	2.15E+00	1.69E+02	5.23E+00	3.89E-01	1.76E+02
2867	489775.41	3859329.72	26.2515	16.0273	48.065	6.60788	2.00E+00	1.71E+02	5.31E+00	3.78E-01	1.79E+02	1.94E+00	7.22E-04	5.31E-01	7.40E-02	2.55E+00	2.18E+00	1.71E+02	5.31E+00	3.78E-01	1.79E+02
2868	489795.41	3859329.72	25.9745	15.9154	48.004	6.63502	1.98E+00	1.70E+02	5.31E+00	3.79E-01	1.78E+02	1.92E+00	7.17E-04	5.31E-01	7.43E-02	2.53E+00	2.16E+00	1.70E+02	5.31E+00	3.79E-01	1.78E+02
2869	489775.41	3859349.72	26.3091	16.0426	47.639	6.70247	2.01E+00	1.71E+02	5.27E+00	3.83E-01	1.79E+02	1.95E+00	7.23E-04	5.27E-01	7.50E-02	2.55E+00	2.18E+00	1.71E+02	5.27E+00	3.83E-01	1.79E+02
2870	489795.41	3859349.72	26.1041	15.9006	47.675	6.7293	1.99E+00	1.70E+02	5.27E+00	3.85E-01	1.77E+02	1.93E+00	7.17E-04	5.27E-01	7.53E-02	2.54E+00	2.17E+00	1.70E+02	5.27E+00	3.85E-01	1.78E+02
2871	489595.05	3859219.43	27.9982	16.7938	50.423	6.53677	2.13E+00	1.79E+02	5.57E+00	3.74E-01	1.87E+02	2.07E+00	7.57E-04	5.57E-01	7.32E-02	2.70E+00	2.32E+00	1.79E+02	5.57E+00	3.74E-01	1.87E+02
2872	489615.05	3859219.43	27.8296	16.5858	50.532	6.25667	2.12E+00	1.77E+02	5.59E+00	3.58E-01	1.85E+02	2.06E+00	7.48E-04	5.59E-01	7.00E-02	2.69E+00	2.31E+00	1.77E+02	5.59E+00	3.58E-01	1.85E+02
2873	489595.05	3859239.43	27.9007	16.9358	49.751	6.29591	2.13E+00	1.81E+02	5.50E+00	3.60E-01	1.89E+02	2.07E+00	7.63E-04	5.50E-01	7.05E-02	2.69E+00	2.32E+00	1.81E+02	5.50E+00	3.60E-01	1.89E+02
2874	489615.05	3859239.43	27.8042	16.7158	49.959	5.98806	2.12E+00	1.78E+02	5.52E+00	3.42E-01	1.86E+02	2.06E+00	7.54E-04	5.52E-01	6.70E-02	2.68E+00	2.31E+00	1.78E+02	5.52E+00	3.42E-01	1.87E+02
2875	489372.4	3859092.58	30.4946	17.8729	52.467	7.62373	2.32E+00	1.91E+02	5.80E+00	4.36E-01	1.99E+02	2.26E+00	8.06E-04	5.80E-01	8.53E-02	2.92E+00	2.53E+00	1.91E+02	5.80E+00	4.36E-01	2.00E+02
2876	489422.4	3859092.58	29.7357	17.3454	53.289	7.77726	2.27E+00	1.85E+02	5.89E+00	4.45E-01	1.94E+02	2.20E+00	7.82E-04	5.89E-01	8.71E-02	2.88E+00	2.47E+00	1.85E+02	5.89E+00	4.45E-01	1.94E+02
2877	489372.4	3859142.58	30.6255	18.3092	49.579	7.84603	2.33E+00	1.95E+02	5.48E+00	4.49E-01	2.04E+02	2.27E+00	8.25E-04	5.48E-01	8.78E-02	2.90E+00	2.54E+00	1.95E+02	5.48E+00	4.49E-01	2.04E+02
2878	489422.4	3859142.58	30.0065	17.8319	51.047	7.86502	2.29E+00	1.90E+02	5.64E+00	4.50E-01	1.99E+02	2.22E+00	8.04E-04	5.64E-01	8.80E-02	2.87E+00	2.49E+00	1.90E+02	5.64E+00	4.50E-01	1.99E+02
2879	488870.84	3858666.64	36.8204	19.2763	60.473	10.84817	2.81E+00	2.06E+02	6.69E+00	6.20E-01	2.16E+02	2.73E+00	8.69E-04	6.69E-01	1.21E-01	3.52E+00	3.06E+00	2.06E+02	6.69E+00	6.20E-01	2.16E+02
2880	488900.84	3858666.64	36.3913	18.9658	61.587	11.11575	2.77E+00	2.02E+02	6.81E+00	6.36E-01	2.13E+02	2.69E+00	8.55E-04	6.81E-01	1.24E-01	3.50E+00	3.02E+00	2.02E+02	6.81E+00	6.36E-01	2.13E+02
2881	488870.84	3858696.64	37.1347	19.7109	58.494	10.89465	2.83E+00	2.10E+02	6.47E+00	6.23E-01	2.20E+02	2.75E+00	8.89E-04	6.47E-01	1.22E-01	3.52E+00	3.08E+00	2.10E+02	6.47E+00	6.23E-01	2.21E+02
2882	488900.84	3858696.64	36.4441	19.3109	60.161	11.28585	2.78E+00	2.06E+02	6.65E+00	6.45E-01	2.16E+02	2.70E+00	8.71E-04	6.65E-01	1.26E-01	3.49E+00	3.03E+00	2.06E+02	6.65E+00	6.45E-01	2.16E+02
2883	488889.67	3858683.97	36.5704	19.2882	60.393	11.06965	2.79E+00	2.06E+02	6.68E+00	6.33E-01	2.16E+02	2.71E+00	8.69E-04	6.68E-01	1.24E-01	3.50E+00	3.04E+00	2.06E+02	6.68E+00	6.33E-01	2.16E+02
2884	488919.67	3858683.97	36.0844	18.9056	61.461	11.45657	2.75E+00	2.02E+02	6.80E+00	6.55E-01	2.12E+02	2.67E+00	8.52E-04	6.80E-01	1.28E-01	3.48E+00	3.00E+00	2.02E+02	6.80E+00	6.55E-01	2.12E+02
2885	488889.67	3858713.97	36.8581	19.668	58.371	11.24256	2.81E+00	2.10E+02	6.45E+00	6.43E-01	2.20E+02	2.73E+00	8.87E-04	6.45E-01	1.26E-01	3.50E+00	3.06E+00	2.10E+02	6.45E+00	6.43E-01	2.20E+02
2886	488919.67	3858713.97	36.1896	19.138	59.992	11.6976	2.76E+00	2.04E+02	6.63E+00	6.69E-01	2.14E+02	2.68E+00	8.63E-04	6.63E-01	1.31E-01	3.47E+00	3.00E+00	2.04E+02	6.63E+00	6.69E-01	2.15E+02
2887	488906.61	3858703.33	36.3804	19.3003	60.024	11.41576	2.77E+00	2.06E+02	6.64E+00	6.53E-01	2.16E+02	2.69E+00	8.70E-04	6.64E-01	1.28E-01	3.49E+00	3.02E+00	2.06E+02	6.64E+00	6.53E-01	2.16E+02
2888	488936.61	3858703.33	35.8003	18.6819	61.188	11.84346	2.73E+00	1.99E+02	6.77E+00	6.77E-01	2.10E+02	2.65E+00	8.42E-04	6.77E-01	1.33E-01	3.46E+00	2.97E+00	1.99E+02	6.77E+00	6.77E-01	2.10E+02
2889	488906.61	3858733.33	36.663	19.4499	57.979	11.69476	2.79E+00	2.08E+02	6.41E+00	6.69E-01	2.17E+02	2.71E+00	8.77E-04	6.41E-01	1.31E-01	3.49E+00	3.04E+00	2.08E+02	6.41E+00	6.69E-01	2.18E+02
2890	488936.61	3858733.33	36.0366	18.7595	59.602	12.09207	2.75E+00	2.00E+02	6.59E+00	6.91E-01	2.10E+02	2.67E+00	8.46E-04	6.59E-01	1.35E-01	3.46E+00	2.99E+00	2.00E+02	6.59E+00	6.91E-01	2.10E+02
2891	488637.63	3858467.85	40.6634	18.6338	106.9	8.98247	3.10E+00	1.99E+02	1.18E+01	5.14E-01	2.14E+02	3.01E+00	8.40E-04	1.18E+00	1.01E-01	4.29E+00	3.38E+00	1.99E+02	1.18E+01	5.14E-01	2.15E+02
2892	488662.63	3858467.85	40.326	18.7307	107.48	8.85906	3.07E+00	2.00E+02	1.19E+01	5.07E-01	2.15E+02	2.99E+00	8.44E-04	1.19E+00	9.92E-02	4.27E+00	3.35E+00	2.00E+02	1.19E+01	5.07E-01	2.16E+02
2893	488637.63	3858492.85	40.971	19.0772	97.535	8.60071	3.12E+00	2.04E+02	1.08E+01	4.92E-01	2.18E+02	3.03E+00	8.60E-04	1.08E+00	9.63E-02	4.21E+00	3.40E+00	2.04E+02	1.08E+01	4.92E-01	2.18E+02
2894	488662.63	3858492.85	40.1706	19.1141	97.191	8.6976	3.06E+00	2.04E+02	1.07E+01	4.97E-01	2.18E+02	2.97E+00	8.62E-04	1.07E+00	9.74E-02	4.15E+00	3.34E+00	2.04E+02	1.07E+01	4.97E-01	2.19E+02
2895	488687.63	3858492.85	39.8617	19.0497	98.376	8.8858	3.04E+00	2.03E+02	1.09E+01	5.08E-01	2.18E+02	2.95E+00	8.59E-04	1.09E+00	9.95E-02	4.14E+00	3.31E+00	2.03E+02	1.09E+01	5.08E-01	2.18E+02
2896	488637.63	3858517.85	41.0278	19.6065	94.328	8.5097	3.13E+00	2.09E+02	1.04E+01	4.87E-01	2.23E+02	3.04E+00	8.84E-04	1.04E+00	9.53E-02	4.18E+00	3.41E+00	2.09E+02	1.04E+01	4.87E-01	2.24E+02
2897	488662.63	3858517.85	40.5056	19.5685	89.771	8.76861	3.09E+00	2.09E+02	9.93E+00	5.01E-01	2.22E+02	3.00E+00	8.82E-04	9.93E-01	9.82E-02	4.09E+00	3.36E+00	2.09E+02	9.93E+00	5.01E-01	2.23E+02
2898	488687.63	3858517.85	39.7763	19.5284	88.644	8.93642	3.03E+00	2.08E+02	9.80E+00	5.11E-01	2.22E+02	2.94E+00	8.80E-04	9.80E-01	1.00E-01	4.03E+00	3.30E+00	2.08E+02	9.80E+00	5.11E-01	2.22E+02
2899	488194.42	3857168.98	35.3231	7.91474	45.779	5.25057	2.69E+00	8.45E+01	5.06E+00	3.00E-01	9.25E+01	2.62E+00	3.57E-04	5.06E-01	5.88E-02	3.18E+00	2.93E+00	8.45E+01	5.06E+00	3.00E-01	9.28E+01
2900	488244.42	3857168.98	33.9301	8.38186	57.603	5.21394	2.59E+00	8.94E+01	6.37E+00	2.98E-01	9.87E+01	2.51E+00	3.78E-04	6.37E-01	5.84E-02	3.21E+00	2.82E+00	8.94E+01	6.37E+00	2.98E-01	9.89E+01
2901	488294.42	3857168.98	32.6315	8.71151	66.688	5.17539	2.49E+00	9.30E+01	7.37E+00	2.96E-01	1.03E+02	2.42E+00	3.93E-04	7.37E-01	5.79E-02	3.21E+00	2.71E+00	9.30E+01	7.37E+00	2.96E-01	1.03E+02
2902	488244.42	3857218.98	35.5608	8.47046	58.398	5.20332	2.71E+00	9.04E+01	6.46E+00	2.98E-01	9.99E+01	2.63E+00	3.82E-04	6.46E-01	5.82E-02	3.34E+00	2.95E+00	9.04E+01	6.46E+00	2.98E-01	1.00E+02
2903	488294.42	3857218.98	34.2418	8.849	66.566	5.17473	2.61E+00	9.44E+01	7.36E+00	2.96E-01	1.05E+02	2.54E+00	3.99E-04	7.36E-01	5.79E-02	3.33E+00	2.84E+00	9.44E+01	7.36E+00	2.96E-01	1.05E+02
2904	488294.42	3857268.98	35.7155	9.04424	65.589	5.39357	2.72E+00	9.65E+01	7.25E+00	3.08E-01	1.07E+02	2.64E+00	4.08E-04	7.25E-01	6.04E-02	3.43E+00	2.97E+00	9.65E+01	7.25E+00	3.08E-01	1.07E+02
2905	488139.13	3857111.68	34.8639	7.59189	44.564	5.3534	2.66E+00	8.10E+01	4.93E+00	3.06E-01	8.89E+01	2.58E+00	3.42E-04	4.93E-01	5.99E-02	3.13E+00	2.89E+00	8.10E+01	4.93E+00	3.06E-01	8.91E+01
2906	488189.13	3857111.68	33.4247	7.91992	45.592	5.21452	2.55E+00	8.45E+01	5.04E+00	2.98E-01	9.24E+01	2.47E+00	3.57E-04	5.04E-01	5.84E-02	3.04E+00	2.77E+00	8.45E+01	5.04E+00	2.98E-01	9.26E+01
2907	488189.13	3857161.68	35.2125	7.86882	45.858	5.25319	2.68E+00	8.40E+01	5.07E+00	3.00E-01	9.20E+01	2.61E+00	3.55E-04	5.07E-01	5.88E-02	3.17E+00	2.92E+00	8.40E+01	5.07E+00	3.00E-01	9.23E+01
2908	487951.04	3856961.26	34.4528	6.64759	58.971	8.39022	2.63E+00	7.09E+01	6.52E+00	4.80E-01	8.06E+01	2.55E+00	3.00E-04	6.52E-01	9.39E-02	3.30E+00	2.86E+00	7.09E+01	6.52E+00	4.80E-01	8.08E+01
2909	488001.04	3856961.26	33.167	6.69587	51.089	8.05357	2.53E+00	7.15E+01	5.65E+00	4.61E-01	8.01E+01	2.46E+00	3.02E-04	5.65E-01	9.02E-02	3.11E+00	2.75E+00	7.15E+01	5.65E+00	4.61E-01	8.03E+01
2910	488051.04	3856961.26	32.3205	6.79449	39.295	7.81055	2.46E+00	7.25E+01	4.34E+00	4.47E-01	7.98E+01	2.39E+00	3.06E-04	4.34E-01	8.74E-02	2.91E+00	2.68E+00	7.25E+01	4.34E+00	4.47E-01	8.00E+01
2911	488101.04	3856961.26	31.3528	7.26185	40.195	7.33202	2.39E+00	7.75E+01	4.44E+00	4.19E-01	8.47E+01	2.32E+00	3.27E-04	4.44E-01	8.21E-02	2.85E+00	2.60E+00	7.75E+01	4.44E+00	4.19E-01	8.50E+01
2912	487951.04	3857011.26	36.462	6.87801	61.614	7.6548	2.78E+00	7.34E+01	6.81E+00	4.38E-01	8.34E+01	2.70E+00	3.10E-04	6.81E-01	8.57E-02	3.47E+00	3.03E+00	7.34E+01	6.81E+00	4.38E-01	8.37E+01
2913	488001.04	3857011.26	35.0193	6.75065	52.264	7.47589	2.67E+00	7.20E+01	5.78E+00	4.27E-01	8.09E+01	2.59E+00	3.04E-04	5.78E-01	8.37E-02	3.25E+00	2.91E+00	7.20E+01	5.78E+00	4.27E-01	8.12E+01
2914	488051.04	3857011.26	33.5964	6.86866	40.805	7.26795	2.56E+00	7.33E+01	4.51E+00	4.16E-01	8.08E+01	2.49E+00	3.10E-04	4.51E-01	8.14E-02	3.02E+00	2.79E+00	7.33E+01	4.51E+00	4.16E-01	8.10E+01
2915	488101.04	3857011.26	32.2506	7.3379	40.796	6.85793	2.46E+00	7.83E+01	4.51E+00	3.92E-01	8.57E+01	2.39E+00	3.31E-04	4.51E-01	7.68E-02	2.92E+00	2.68E+00	7.83E+01	4.51E+00	3.92E-01	8.59E+01
2916	488001.04	3857061.26	36.9421	6.88624	53.447	6.68785	2.82E+00	7.35E+01	5.91E+00	3.82E-01	8.26E+01	2.73E+00	3.10E-04	5.91E-01	7.49E-02	3.40E+00	3.07E+00	7.35E+01	5.91E+00	3.82E-01	8.28E+01
2917	488051.04	3857061.26	35.4878	7.13937	42.336	6.46498	2.70E+00	7.62E+01	4.68E+00	3.70E-01	8.39E+01	2.63E+00	3.22E-04	4.68E-01	7.24E-02	3.17E+00	2.95E+00	7.62E+01	4.68E+00	3.70E-01	8.42E+01
2918	488101.04	3857061.26	34.0375	7.45413	41.365	6.20269	2.59E+00	7.95E+01	4.57E+00	3.55E-01	8.71E+01	2.52E+00	3.36E-04	4.57E-01	6.94E-02	3.05E+00	2.83E+00	7.95E+01	4.57E+00	3.55E-01	8.73E+01
2919	487638.98	3856673.79	33.8971	5.8294	73.667	12.46064	2.58E+00	6.22E+01	8.14E+00	7.13E-01	7.37E+01	2.51E+00	2.63E-04	8.14E-01	1.39E-01	3.46E+00	2.81E+00	6.22E+01	8.14E+00	7.13E-01	7.39E+01
2920	487688.98	3856673.79	32.9341	5.95781	72.808	11.98294	2.51E+00	6.36E+01	8.05E+00	6.85E-01	7.48E+01	2.44E+00	2.69E-04	8.05E-01	1.34E-01	3.38E+00	2.73E+00	6.36E+01	8.05E+00	6.85E-01	7.50E+01
2921	487638.98	3856723.79	35.1399	5.87549	75.148	12.19547	2.68E+00	6.27E+01	8.31E+00	6.97E-01	7.44E+01	2.60E+00	2.65E-04	8.31E-01	1.37E-01	3.57E+00	2.92E+00	6.27E+01	8.31E+00	6.97E-01	7.46E+01
2922	487688.98	3856723.79	34.1284	5.94959	74.839	11.77167	2.60E+00	6.35E+01	8.27E+00	6.73E-01	7.50E+01	2.53E+00	2.68E-04	8.27E-01	1.32E-01	3.49E+00	2.83E+00	6.35E+01	8.27E+00	6.73E-01	7.53E+01
2923	486324.61	3855740.57	30.2552	4.96384	48.54	20.52915	2.31E+00	5.30E+01	5.37E+00	1.17E+00	6.18E+01	2.24E+00	2.24E-04	5.37E-01	2.30E-01	3.01E+00	2.51E+00	5.30E+01	5.37E+00	1.17E+00	6.20E+01
2924	486374.61	3855740.57	27.6881	4.90308	43.687	20.41268	2.11E+00	5.23E+01	4.83E+00	1.17E+00	6.04E+01	2.05E+00	2.21E-04	4.83E-01	2.29E-01	2.76E+00	2.30E+00	5.23E+01	4.83E+00	1.17E+00	6.06E+01

2925	486424.61	3855740.57	26.3419	4.82809	33.405	20.56422	2.01E+00	5.15E+01	3.69E+00	1.18E+00	5.84E+01	1.95E+00	2.18E-04	3.69E-01	2.30E-01	2.55E+00	2.19E+00	5.15E+01	3.69E+00	1.18E+00	5.86E+01
2926	486324.61	3855790.57	32.195	4.97256	54.398	21.76818	2.45E+00	5.31E+01	6.01E+00	1.24E+00	6.28E+01	2.38E+00	2.24E-04	6.01E-01	2.44E-01	3.23E+00	2.67E+00	5.31E+01	6.01E+00	1.24E+00	6.30E+01
2927	486374.61	3855790.57	29.7835	4.91492	51.111	22.11592	2.27E+00	5.25E+01	5.65E+00	1.26E+00	6.16E+01	2.20E+00	2.22E-04	5.65E-01	2.48E-01	3.02E+00	2.47E+00	5.25E+01	5.65E+00	1.26E+00	6.18E+01
2928	486424.61	3855790.57	28.9541	4.8438	40.129	21.88799	2.21E+00	5.17E+01	4.44E+00	1.25E+00	5.96E+01	2.14E+00	2.18E-04	4.44E-01	2.45E-01	2.83E+00	2.40E+00	5.17E+01	4.44E+00	1.25E+00	5.98E+01
2929	486324.61	3855840.57	33.7359	4.98065	58.805	22.27234	2.57E+00	5.32E+01	6.50E+00	1.27E+00	6.35E+01	2.50E+00	2.25E-04	6.50E-01	2.49E-01	3.40E+00	2.80E+00	5.32E+01	6.50E+00	1.27E+00	6.37E+01
2930	486374.61	3855840.57	32.6278	4.93028	53.424	21.8627	2.49E+00	5.26E+01	5.91E+00	1.25E+00	6.23E+01	2.42E+00	2.22E-04	5.91E-01	2.45E-01	3.25E+00	2.71E+00	5.26E+01	5.91E+00	1.25E+00	6.25E+01
2931	486424.61	3855840.57	31.2224	4.85936	46.151	21.56241	2.38E+00	5.19E+01	5.10E+00	1.23E+00	6.06E+01	2.31E+00	2.19E-04	5.10E-01	2.41E-01	3.06E+00	2.59E+00	5.19E+01	5.10E+00	1.23E+00	6.08E+01
2932	486324.61	3855890.57	36.5989	4.9931	55.492	20.74992	2.79E+00	5.33E+01	6.14E+00	1.19E+00	6.34E+01	2.71E+00	2.25E-04	6.14E-01	2.32E-01	3.56E+00	3.04E+00	5.33E+01	6.14E+00	1.19E+00	6.36E+01
2933	486374.61	3855890.57	35.1366	4.94442	54.248	20.24509	2.68E+00	5.28E+01	6.00E+00	1.16E+00	6.26E+01	2.60E+00	2.23E-04	6.00E-01	2.27E-01	3.43E+00	2.92E+00	5.28E+01	6.00E+00	1.16E+00	6.28E+01
2934	486424.61	3855890.57	33.4571	4.87491	50.385	19.84336	2.55E+00	5.20E+01	5.57E+00	1.13E+00	6.13E+01	2.48E+00	2.20E-04	5.57E-01	2.22E-01	3.26E+00	2.78E+00	5.20E+01	5.57E+00	1.13E+00	6.15E+01
2935	488735.69	3858285.64	40.1683	16.2876	158.89	8.64058	3.06E+00	1.74E+02	1.76E+01	4.94E-01	1.95E+02	2.97E+00	7.34E-04	1.76E+00	9.67E-02	4.83E+00	3.33E+00	1.74E+02	1.76E+01	4.94E-01	1.95E+02
2936	488765.69	3858285.64	39.2803	16.3568	154.91	8.76589	2.99E+00	1.75E+02	1.71E+01	5.01E-01	1.95E+02	2.91E+00	7.37E-04	1.71E+00	9.81E-02	4.72E+00	3.26E+00	1.75E+02	1.71E+01	5.01E-01	1.95E+02
2937	488735.69	3858315.64	40.3378	16.6258	158.12	8.72264	3.07E+00	1.77E+02	1.75E+01	4.99E-01	1.98E+02	2.99E+00	7.49E-04	1.75E+00	9.76E-02	4.83E+00	3.35E+00	1.77E+02	1.75E+01	4.99E-01	1.99E+02
2938	488765.69	3858315.64	39.7819	16.6463	151.68	8.82037	3.03E+00	1.78E+02	1.68E+01	5.04E-01	1.98E+02	2.95E+00	7.50E-04	1.68E+00	9.87E-02	4.72E+00	3.30E+00	1.78E+02	1.68E+01	5.04E-01	1.98E+02
2939	478676.63	3849871.93	19.9974	7.11297	13.729	7.31386	1.52E+00	7.59E+01	1.52E+00	4.18E-01	7.94E+01	1.48E+00	3.21E-04	1.52E-01	8.19E-02	1.71E+00	1.66E+00	7.59E+01	1.52E+00	4.18E-01	7.95E+01
2940	479326.63	3849871.93	21.9	4.37444	11.249	9.94779	1.67E+00	4.67E+01	1.24E+00	5.69E-01	5.02E+01	1.62E+00	1.97E-04	1.24E-01	1.11E-01	1.86E+00	1.82E+00	4.67E+01	1.24E+00	5.69E-01	5.03E+01
2941	479376.63	3849871.93	21.3837	4.43511	11.001	9.84571	1.63E+00	4.73E+01	1.22E+00	5.63E-01	5.07E+01	1.58E+00	2.00E-04	1.22E-01	1.10E-01	1.82E+00	1.78E+00	4.73E+01	1.22E+00	5.63E-01	5.09E+01
2942	479426.63	3849871.93	21.5638	4.48062	10.75	9.71933	1.64E+00	4.78E+01	1.19E+00	5.56E-01	5.12E+01	1.60E+00	2.02E-04	1.19E-01	1.09E-01	1.82E+00	1.79E+00	4.78E+01	1.19E+00	5.56E-01	5.14E+01
2943	478726.63	3849921.93	20.0608	7.17209	13.822	7.15717	1.53E+00	7.65E+01	1.53E+00	4.09E-01	8.00E+01	1.49E+00	3.23E-04	1.53E-01	8.01E-02	1.72E+00	1.67E+00	7.65E+01	1.53E+00	4.09E-01	8.01E+01
2944	478776.63	3849921.93	19.711	6.9172	13.695	7.48723	1.50E+00	7.38E+01	1.51E+00	4.28E-01	7.73E+01	1.46E+00	3.12E-04	1.51E-01	8.38E-02	1.69E+00	1.64E+00	7.38E+01	1.51E+00	4.28E-01	7.74E+01
2945	478826.63	3849921.93	19.1812	6.73084	13.555	7.85983	1.46E+00	7.18E+01	1.50E+00	4.49E-01	7.52E+01	1.42E+00	3.03E-04	1.50E-01	8.80E-02	1.66E+00	1.59E+00	7.18E+01	1.50E+00	4.49E-01	7.54E+01
2946	478976.63	3849921.93	18.6107	6.17526	13.067	8.82354	1.42E+00	6.59E+01	1.44E+00	5.05E-01	6.93E+01	1.38E+00	2.78E-04	1.44E-01	9.88E-02	1.62E+00	1.55E+00	6.59E+01	1.44E+00	5.05E-01	6.94E+01
2947	479026.63	3849921.93	19.3392	6.07372	12.885	8.76063	1.47E+00	6.48E+01	1.42E+00	5.01E-01	6.82E+01	1.43E+00	2.74E-04	1.42E-01	9.81E-02	1.67E+00	1.61E+00	6.48E+01	1.42E+00	5.01E-01	6.83E+01
2948	479076.63	3849921.93	19.9138	5.85595	12.692	8.89388	1.52E+00	6.25E+01	1.40E+00	5.09E-01	6.59E+01	1.47E+00	2.64E-04	1.40E-01	9.96E-02	1.71E+00	1.65E+00	6.25E+01	1.40E+00	5.09E-01	6.61E+01
2949	479126.63	3849921.93	20.2019	5.58716	12.488	9.06401	1.54E+00	5.96E+01	1.38E+00	5.18E-01	6.31E+01	1.50E+00	2.52E-04	1.38E-01	1.01E-01	1.74E+00	1.68E+00	5.96E+01	1.38E+00	5.18E-01	6.32E+01
2950	479176.63	3849921.93	20.0501	5.35809	12.277	9.05547	1.53E+00	5.72E+01	1.36E+00	5.18E-01	6.06E+01	1.48E+00	2.42E-04	1.36E-01	1.01E-01	1.72E+00	1.66E+00	5.72E+01	1.36E+00	5.18E-01	6.07E+01
2951	479226.63	3849921.93	20.7321	4.9407	12.053	9.4267	1.58E+00	5.27E+01	1.33E+00	5.39E-01	5.62E+01	1.53E+00	2.23E-04	1.33E-01	1.06E-01	1.77E+00	1.72E+00	5.27E+01	1.33E+00	5.39E-01	5.63E+01
2952	479276.63	3849921.93	21.7365	4.46837	11.818	10.03259	1.66E+00	4.77E+01	1.31E+00	5.74E-01	5.12E+01	1.61E+00	2.01E-04	1.31E-01	1.12E-01	1.85E+00	1.80E+00	4.77E+01	1.31E+00	5.74E-01	5.14E+01
2953	479326.63	3849921.93	21.9848	4.64605	11.588	9.35834	1.68E+00	4.96E+01	1.28E+00	5.35E-01	5.31E+01	1.63E+00	2.09E-04	1.28E-01	1.05E-01	1.86E+00	1.83E+00	4.96E+01	1.28E+00	5.35E-01	5.32E+01
2954	479376.63	3849921.93	22.1136	4.40343	11.339	9.80068	1.69E+00	4.70E+01	1.25E+00	5.60E-01	5.05E+01	1.64E+00	1.99E-04	1.25E-01	1.10E-01	1.87E+00	1.84E+00	4.70E+01	1.25E+00	5.60E-01	5.06E+01
2955	479426.63	3849921.93	21.6038	4.46225	11.094	9.41115	1.65E+00	4.76E+01	1.23E+00	5.38E-01	5.10E+01	1.60E+00	2.01E-04	1.23E-01	1.05E-01	1.83E+00	1.79E+00	4.76E+01	1.23E+00	5.38E-01	5.12E+01
2956	478726.63	3849971.93	20.2283	7.47107	14.031	6.68212	1.54E+00	7.97E+01	1.55E+00	3.82E-01	8.32E+01	1.50E+00	3.37E-04	1.55E-01	7.48E-02	1.73E+00	1.68E+00	7.97E+01	1.55E+00	3.82E-01	8.33E+01
2957	478776.63	3849971.93	20.1502	7.21995	13.917	7.04081	1.54E+00	7.70E+01	1.54E+00	4.03E-01	8.05E+01	1.49E+00	3.25E-04	1.54E-01	7.88E-02	1.72E+00	1.67E+00	7.70E+01	1.54E+00	4.03E-01	8.07E+01
2958	478826.63	3849971.93	19.8825	6.95098	13.79	7.4095	1.52E+00	7.42E+01	1.52E+00	4.24E-01	7.76E+01	1.47E+00	3.13E-04	1.52E-01	8.29E-02	1.71E+00	1.65E+00	7.42E+01	1.52E+00	4.24E-01	7.78E+01
2959	478976.63	3849971.93	18.6167	6.60354	13.34	8.02331	1.42E+00	7.05E+01	1.47E+00	4.59E-01	7.38E+01	1.38E+00	2.98E-04	1.47E-01	8.98E-02	1.62E+00	1.55E+00	7.05E+01	1.47E+00	4.59E-01	7.40E+01
2960	479026.63	3849971.93	18.5176	6.38031	13.167	8.33462	1.41E+00	6.81E+01	1.46E+00	4.77E-01	7.14E+01	1.37E+00	2.88E-04	1.46E-01	9.33E-02	1.61E+00	1.54E+00	6.81E+01	1.46E+00	4.77E-01	7.16E+01
2961	479076.63	3849971.93	19.3735	6.1429	12.983	8.59193	1.48E+00	6.56E+01	1.44E+00	4.91E-01	6.90E+01	1.43E+00	2.77E-04	1.44E-01	9.62E-02	1.67E+00	1.61E+00	6.56E+01	1.44E+00	4.91E-01	6.91E+01
2962	479126.63	3849971.93	19.9711	5.92352	12.789	8.71326	1.52E+00	6.32E+01	1.41E+00	4.98E-01	6.66E+01	1.48E+00	2.67E-04	1.41E-01	9.75E-02	1.72E+00	1.66E+00	6.32E+01	1.41E+00	4.98E-01	6.68E+01
2963	479176.63	3849971.93	20.2018	5.65601	12.586	8.7728	1.54E+00	6.04E+01	1.39E+00	5.02E-01	6.38E+01	1.50E+00	2.55E-04	1.39E-01	9.82E-02	1.73E+00	1.68E+00	6.04E+01	1.39E+00	5.02E-01	6.39E+01
2964	479226.63	3849971.93	20.639	5.04174	12.364	9.89945	1.57E+00	5.38E+01	1.37E+00	5.66E-01	5.73E+01	1.53E+00	2.27E-04	1.37E-01	1.11E-01	1.78E+00	1.71E+00	5.38E+01	1.37E+00	5.66E-01	5.75E+01
2965	479276.63	3849971.93	20.8601	5.00436	12.148	9.26916	1.59E+00	5.34E+01	1.34E+00	5.30E-01	5.69E+01	1.54E+00	2.26E-04	1.34E-01	1.04E-01	1.78E+00	1.73E+00	5.34E+01	1.34E+00	5.30E-01	5.70E+01
2966	479326.63	3849971.93	21.3996	5.04755	11.923	8.78028	1.63E+00	5.39E+01	1.32E+00	5.02E-01	5.73E+01	1.58E+00	2.28E-04	1.32E-01	9.83E-02	1.81E+00	1.78E+00	5.39E+01	1.32E+00	5.02E-01	5.75E+01
2967	479376.63	3849971.93	22.2353	4.57954	11.678	9.44352	1.69E+00	4.89E+01	1.29E+00	5.40E-01	5.24E+01	1.65E+00	2.06E-04	1.29E-01	1.06E-01	1.88E+00	1.85E+00	4.89E+01	1.29E+00	5.40E-01	5.25E+01
2968	479426.63	3849971.93	22.191	4.48331	11.436	9.24473	1.69E+00	4.78E+01	1.26E+00	5.29E-01	5.13E+01	1.64E+00	2.02E-04	1.26E-01	1.03E-01	1.87E+00	1.84E+00	4.78E+01	1.26E+00	5.29E-01	5.15E+01
2969	478726.63	3850021.93	20.1062	7.76216	14.225	6.22444	1.53E+00	8.28E+01	1.57E+00	3.56E-01	8.63E+01	1.49E+00	3.50E-04	1.57E-01	6.97E-02	1.72E+00	1.67E+00	8.28E+01	1.57E+00	3.56E-01	8.64E+01
2970	478776.63	3850021.93	20.2929	7.51529	14.124	6.59839	1.55E+00	8.02E+01	1.56E+00	3.77E-01	8.37E+01	1.50E+00	3.39E-04	1.56E-01	7.39E-02	1.73E+00	1.68E+00	8.02E+01	1.56E+00	3.77E-01	8.38E+01
2971	478826.63	3850021.93	20.2332	7.26615	14.011	6.92728	1.54E+00	7.75E+01	1.55E+00	3.96E-01	8.10E+01	1.50E+00	3.28E-04	1.55E-01	7.75E-02	1.73E+00	1.68E+00	7.75E+01	1.55E+00	3.96E-01	8.12E+01
2972	478976.63	3850021.93	18.6635	6.85152	13.6	7.6166	1.42E+00	7.31E+01	1.50E+00	4.36E-01	7.65E+01	1.38E+00	3.09E-04	1.50E-01	8.53E-02	1.62E+00	1.55E+00	7.31E+01	1.50E+00	4.36E-01	7.66E+01
2973	478726.63	3850071.93	19.7	8.04938	14.404	5.76578	1.50E+00	8.59E+01	1.59E+00	3.30E-01	8.93E+01	1.46E+00	3.63E-04	1.59E-01	6.45E-02	1.68E+00	1.64E+00	8.59E+01	1.59E+00	3.30E-01	8.95E+01
2974	478776.63	3850071.93	20.0691	7.82232	14.318	6.1012	1.53E+00	8.35E+01	1.58E+00	3.49E-01	8.69E+01	1.49E+00	3.53E-04	1.58E-01	6.83E-02	1.71E+00	1.67E+00	8.35E+01	1.58E+00	3.49E-01	8.71E+01
2975	478826.63	3850071.93	20.2654	7.57804	14.219	6.44106	1.54E+00	8.09E+01	1.57E+00	3.68E-01	8.44E+01	1.50E+00	3.42E-04	1.57E-01	7.21E-02	1.73E+00	1.68E+00	8.09E+01	1.57E+00	3.68E-01	8.45E+01
2976	478876.63	3850071.93	20.2254	7.3297	14.107	6.73737	1.54E+00	7.82E+01	1.56E+00	3.85E-01	8.17E+01	1.50E+00	3.30E-04	1.56E-01	7.54E-02	1.73E+00	1.68E+00	7.82E+01	1.56E+00	3.85E-01	8.18E+01
2977	478976.63	3850071.93	19.4292	7.10147	13.847	7.15984	1.48E+00	7.58E+01	1.53E+00	4.09E-01	7.92E+01	1.44E+00	3.20E-04	1.53E-01	8.01E-02	1.67E+00	1.61E+00	7.58E+01	1.53E+00	4.09E-01	7.93E+01
2978	478726.63	3850121.93	19.6955	8.32691	14.566	5.33017	1.50E+00	8.89E+01	1.61E+00	3.05E-01	9.23E+01	1.46E+00	3.75E-04	1.61E-01	5.97E-02	1.68E+00	1.64E+00	8.89E+01	1.61E+00	3.05E-01	9.24E+01
2979	478776.63	3850121.93	19.5898	8.12061	14.495	5.62854	1.49E+00	8.67E+01	1.60E+00	3.22E-01	9.01E+01	1.45E+00	3.66E-04	1.60E-01	6.30E-02	1.67E+00	1.63E+00	8.67E+01	1.60E+00	3.22E-01	9.02E+01
2980	478826.63	3850121.93	19.9996	7.88575	14.411	5.962	1.52E+00	8.42E+01	1.59E+00	3.41E-01	8.76E+01	1.48E+00	3.55E-04	1.59E-01	6.67E-02	1.71E+00	1.66E+00	8.42E+01	1.59E+00	3.41E-01	8.77E+01
2981	478876.63	3850121.93	20.245	7.6351	14.314	6.30113	1.54E+00	8.15E+01	1.58E+00	3.60E-01	8.50E+01	1.50E+00	3.44E-04	1.58E-01	7.05E-02	1.73E+00	1.68E+00	8.15E+01	1.58E+00	3.60E-01	8.51E+01
2982	478976.63	3850121.93	19.889	7.33396	14.082	6.71545	1.52E+00	7.83E+01	1.56E+00	3.84E-01	8.17E+01	1.47E+00	3.31E-04	1.56E-01	7.52E-02	1.70E+00	1.65E+00	7.83E+01	1.56E+00	3.84E-01	8.19E+01
2983	479026.63	3850121.93	19.4575	7.22456	13.947	6.91917	1.48E+00	7.71E+01	1.54E+00	3.96E-01	8.05E+01	1.44E+00	3.26E-04	1.54E-01	7.75E-02	1.67E+00	1.62E+00	7.71E+01	1.54E+00	3.96E-01	8.07E+01
2984	479076.63	3850121.93	18.9117	7.05987	13.798	7.18817	1.44E+00	7.53E+01	1.53E+00	4.11E-01	7.87E+01	1.40E+00	3.18E-04	1.53E-01	8.05E-02	1.63E+00	1.57E+00	7.53E+01	1.53E+00	4.11E-01	7.88E+01
2985	479126.63	3850121.93	18.6316	6.88382	13.638	7.41202	1.42E+00	7.35E+01	1.51E+00	4.24E-01	7.68E+01	1.38E+00	3.10E-04	1.51E-01	8.30E-02	1.61E+00	1.55E+00	7.35E+01	1.51E+00	4.24E-01	7.69E+01

2986	478776.63	3850171.93	19.7353	8.40014	14.656	5.21065	1.50E+00	8.96E+01	1.62E+00	2.98E-01	9.31E+01	1.46E+00	3.79E-04	1.62E-01	5.83E-02	1.68E+00	1.64E+00	8.96E+01	1.62E+00	2.98E-01	9.32E+01
2987	478826.63	3850171.93	19.5287	8.17653	14.587	5.53764	1.49E+00	8.73E+01	1.61E+00	3.17E-01	9.07E+01	1.45E+00	3.69E-04	1.61E-01	6.20E-02	1.67E+00	1.62E+00	8.73E+01	1.61E+00	3.17E-01	9.08E+01
2988	478876.63	3850171.93	19.9679	7.93765	14.505	5.86108	1.52E+00	8.47E+01	1.60E+00	3.35E-01	8.82E+01	1.48E+00	3.58E-04	1.60E-01	6.56E-02	1.70E+00	1.66E+00	8.47E+01	1.60E+00	3.35E-01	8.83E+01
2989	478976.63	3850171.93	20.0396	7.55713	14.302	6.27745	1.53E+00	8.06E+01	1.58E+00	3.59E-01	8.41E+01	1.48E+00	3.41E-04	1.58E-01	7.03E-02	1.71E+00	1.66E+00	8.06E+01	1.58E+00	3.59E-01	8.43E+01
2990	479026.63	3850171.93	19.7579	7.48762	14.182	6.4267	1.51E+00	7.99E+01	1.57E+00	3.68E-01	8.33E+01	1.46E+00	3.38E-04	1.57E-01	7.19E-02	1.69E+00	1.64E+00	7.99E+01	1.57E+00	3.68E-01	8.35E+01
2991	479076.63	3850171.93	19.4803	7.33658	14.047	6.70257	1.48E+00	7.83E+01	1.55E+00	3.83E-01	8.17E+01	1.44E+00	3.31E-04	1.55E-01	7.50E-02	1.67E+00	1.62E+00	7.83E+01	1.55E+00	3.83E-01	8.18E+01
2992	479126.63	3850171.93	18.9472	7.1876	13.899	6.9132	1.44E+00	7.67E+01	1.54E+00	3.95E-01	8.01E+01	1.40E+00	3.24E-04	1.54E-01	7.74E-02	1.63E+00	1.57E+00	7.67E+01	1.54E+00	3.95E-01	8.02E+01
2993	479176.63	3850171.93	18.4047	7.04824	13.74	7.02196	1.40E+00	7.52E+01	1.52E+00	4.02E-01	7.85E+01	1.36E+00	3.18E-04	1.52E-01	7.86E-02	1.59E+00	1.53E+00	7.52E+01	1.52E+00	4.02E-01	7.87E+01
2994	479226.63	3850171.93	18.0428	6.97009	13.571	6.87802	1.38E+00	7.44E+01	1.50E+00	3.93E-01	7.77E+01	1.34E+00	3.14E-04	1.50E-01	7.70E-02	1.56E+00	1.50E+00	7.44E+01	1.50E+00	3.93E-01	7.78E+01
2995	479276.63	3850171.93	18.2628	6.87226	13.392	6.68046	1.39E+00	7.33E+01	1.48E+00	3.82E-01	7.66E+01	1.35E+00	3.10E-04	1.48E-01	7.48E-02	1.58E+00	1.52E+00	7.33E+01	1.48E+00	3.82E-01	7.67E+01
2996	479326.63	3850171.93	19.0557	6.57808	13.196	6.92307	1.45E+00	7.02E+01	1.46E+00	3.96E-01	7.35E+01	1.41E+00	2.97E-04	1.46E-01	7.75E-02	1.63E+00	1.58E+00	7.02E+01	1.46E+00	3.96E-01	7.36E+01
2997	479376.63	3850171.93	19.6348	6.24979	12.99	7.17974	1.50E+00	6.67E+01	1.44E+00	4.11E-01	7.00E+01	1.45E+00	2.82E-04	1.44E-01	8.04E-02	1.68E+00	1.63E+00	6.67E+01	1.44E+00	4.11E-01	7.02E+01
2998	478676.63	3850221.93	19.956	8.96676	14.862	4.30337	1.52E+00	9.57E+01	1.64E+00	2.46E-01	9.91E+01	1.48E+00	4.04E-04	1.64E-01	4.82E-02	1.69E+00	1.66E+00	9.57E+01	1.64E+00	2.46E-01	9.92E+01
2999	478726.63	3850221.93	20.0394	8.8408	14.838	4.54442	1.53E+00	9.43E+01	1.64E+00	2.60E-01	9.78E+01	1.48E+00	3.99E-04	1.64E-01	5.09E-02	1.70E+00	1.66E+00	9.43E+01	1.64E+00	2.60E-01	9.79E+01
3000	478976.63	3850221.93	19.8476	7.7967	14.508	5.81968	1.51E+00	8.32E+01	1.60E+00	3.33E-01	8.67E+01	1.47E+00	3.51E-04	1.60E-01	6.51E-02	1.70E+00	1.65E+00	8.32E+01	1.60E+00	3.33E-01	8.68E+01
3001	479026.63	3850221.93	19.7789	7.72593	14.402	5.98058	1.51E+00	8.24E+01	1.59E+00	3.42E-01	8.59E+01	1.46E+00	3.48E-04	1.59E-01	6.69E-02	1.69E+00	1.64E+00	8.24E+01	1.59E+00	3.42E-01	8.60E+01
3002	479076.63	3850221.93	19.7069	7.59653	14.281	6.23575	1.50E+00	8.11E+01	1.58E+00	3.57E-01	8.45E+01	1.46E+00	3.42E-04	1.58E-01	6.98E-02	1.69E+00	1.64E+00	8.11E+01	1.58E+00	3.57E-01	8.46E+01
3003	479126.63	3850221.93	19.4017	7.46914	14.148	6.43617	1.48E+00	7.97E+01	1.56E+00	3.68E-01	8.31E+01	1.44E+00	3.37E-04	1.56E-01	7.20E-02	1.67E+00	1.61E+00	7.97E+01	1.56E+00	3.68E-01	8.33E+01
3004	479176.63	3850221.93	18.7366	7.38398	14.003	6.46852	1.43E+00	7.88E+01	1.55E+00	3.70E-01	8.21E+01	1.39E+00	3.33E-04	1.55E-01	7.24E-02	1.61E+00	1.56E+00	7.88E+01	1.55E+00	3.70E-01	8.23E+01
3005	479226.63	3850221.93	17.9131	7.28252	13.846	6.45113	1.37E+00	7.77E+01	1.53E+00	3.69E-01	8.10E+01	1.33E+00	3.28E-04	1.53E-01	7.22E-02	1.55E+00	1.49E+00	7.77E+01	1.53E+00	3.69E-01	8.11E+01
3006	479276.63	3850221.93	17.5975	7.16033	13.677	6.39164	1.34E+00	7.64E+01	1.51E+00	3.65E-01	7.96E+01	1.30E+00	3.23E-04	1.51E-01	7.16E-02	1.53E+00	1.46E+00	7.64E+01	1.51E+00	3.65E-01	7.98E+01
3007	479326.63	3850221.93	18.376	6.88171	13.493	6.65818	1.40E+00	7.34E+01	1.49E+00	3.81E-01	7.67E+01	1.36E+00	3.10E-04	1.49E-01	7.45E-02	1.58E+00	1.53E+00	7.34E+01	1.49E+00	3.81E-01	7.68E+01
3008	479376.63	3850221.93	19.0766	6.61811	13.298	6.80156	1.45E+00	7.06E+01	1.47E+00	3.89E-01	7.39E+01	1.41E+00	2.98E-04	1.47E-01	7.61E-02	1.64E+00	1.58E+00	7.06E+01	1.47E+00	3.89E-01	7.41E+01
3009	478676.63	3850271.93	19.4277	9.17814	14.954	3.9361	1.48E+00	9.79E+01	1.65E+00	2.25E-01	1.01E+02	1.44E+00	4.14E-04	1.65E-01	4.41E-02	1.65E+00	1.61E+00	9.79E+01	1.65E+00	2.25E-01	1.01E+02
3010	478726.63	3850271.93	19.7615	9.07435	14.946	4.1798	1.51E+00	9.68E+01	1.65E+00	2.39E-01	1.00E+02	1.46E+00	4.09E-04	1.65E-01	4.68E-02	1.68E+00	1.64E+00	9.68E+01	1.65E+00	2.39E-01	1.00E+02
3011	478976.63	3850271.93	19.5113	8.09762	14.697	5.44551	1.49E+00	8.64E+01	1.62E+00	3.11E-01	8.98E+01	1.44E+00	3.65E-04	1.62E-01	6.10E-02	1.67E+00	1.62E+00	8.64E+01	1.62E+00	3.11E-01	9.00E+01
3012	479026.63	3850271.93	19.5689	7.94451	14.606	5.57499	1.49E+00	8.48E+01	1.61E+00	3.19E-01	8.82E+01	1.45E+00	3.58E-04	1.61E-01	6.24E-02	1.67E+00	1.62E+00	8.48E+01	1.61E+00	3.19E-01	8.83E+01
3013	479076.63	3850271.93	19.602	7.85386	14.501	5.76799	1.49E+00	8.38E+01	1.60E+00	3.30E-01	8.72E+01	1.45E+00	3.54E-04	1.60E-01	6.46E-02	1.68E+00	1.63E+00	8.38E+01	1.60E+00	3.30E-01	8.74E+01
3014	479126.63	3850271.93	19.4583	7.75319	14.383	5.93817	1.48E+00	8.27E+01	1.59E+00	3.40E-01	8.62E+01	1.44E+00	3.50E-04	1.59E-01	6.65E-02	1.67E+00	1.62E+00	8.27E+01	1.59E+00	3.40E-01	8.63E+01
3015	479176.63	3850271.93	19.062	7.66183	14.251	6.02769	1.45E+00	8.18E+01	1.58E+00	3.45E-01	8.51E+01	1.41E+00	3.45E-04	1.58E-01	6.75E-02	1.64E+00	1.58E+00	8.18E+01	1.58E+00	3.45E-01	8.53E+01
3016	479226.63	3850271.93	18.4492	7.56869	14.107	6.04949	1.41E+00	8.08E+01	1.56E+00	3.46E-01	8.41E+01	1.37E+00	3.41E-04	1.56E-01	6.77E-02	1.59E+00	1.53E+00	8.08E+01	1.56E+00	3.46E-01	8.42E+01
3017	479276.63	3850271.93	17.8321	7.41411	13.95	6.14009	1.36E+00	7.91E+01	1.54E+00	3.51E-01	8.24E+01	1.32E+00	3.34E-04	1.54E-01	6.87E-02	1.54E+00	1.48E+00	7.91E+01	1.54E+00	3.51E-01	8.25E+01
3018	479326.63	3850271.93	17.7687	7.17429	13.779	6.37001	1.35E+00	7.66E+01	1.52E+00	3.64E-01	7.98E+01	1.32E+00	3.23E-04	1.52E-01	7.13E-02	1.54E+00	1.48E+00	7.66E+01	1.52E+00	3.64E-01	7.99E+01
3019	479376.63	3850271.93	18.5445	6.87453	13.594	6.67806	1.41E+00	7.34E+01	1.50E+00	3.82E-01	7.67E+01	1.37E+00	3.10E-04	1.50E-01	7.48E-02	1.60E+00	1.54E+00	7.34E+01	1.50E+00	3.82E-01	7.68E+01
3020	479053.24	3850293.52	19.4108	8.0134	14.639	5.46834	1.48E+00	8.55E+01	1.62E+00	3.13E-01	8.89E+01	1.44E+00	3.61E-04	1.62E-01	6.12E-02	1.66E+00	1.61E+00	8.55E+01	1.62E+00	3.13E-01	8.91E+01
3021	479103.24	3850293.52	19.3972	7.92935	14.534	5.63078	1.48E+00	8.46E+01	1.61E+00	3.22E-01	8.80E+01	1.44E+00	3.57E-04	1.61E-01	6.30E-02	1.66E+00	1.61E+00	8.46E+01	1.61E+00	3.22E-01	8.82E+01
3022	479153.24	3850293.52	19.311	7.80902	14.414	5.82536	1.47E+00	8.33E+01	1.59E+00	3.33E-01	8.67E+01	1.43E+00	3.52E-04	1.59E-01	6.52E-02	1.65E+00	1.60E+00	8.33E+01	1.59E+00	3.33E-01	8.69E+01
3023	479203.24	3850293.52	18.854	7.7302	14.282	5.86939	1.44E+00	8.25E+01	1.58E+00	3.36E-01	8.58E+01	1.40E+00	3.48E-04	1.58E-01	6.57E-02	1.62E+00	1.57E+00	8.25E+01	1.58E+00	3.36E-01	8.60E+01
3024	479253.24	3850293.52	18.3464	7.60438	14.137	5.95014	1.40E+00	8.12E+01	1.56E+00	3.40E-01	8.45E+01	1.36E+00	3.43E-04	1.56E-01	6.66E-02	1.58E+00	1.52E+00	8.12E+01	1.56E+00	3.40E-01	8.46E+01
3025	479303.24	3850293.52	17.8948	7.39697	13.977	6.15883	1.36E+00	7.89E+01	1.55E+00	3.52E-01	8.22E+01	1.32E+00	3.33E-04	1.55E-01	6.89E-02	1.55E+00	1.49E+00	7.89E+01	1.55E+00	3.52E-01	8.23E+01
3026	479353.24	3850293.52	17.9348	7.13309	13.804	6.43855	1.37E+00	7.61E+01	1.53E+00	3.68E-01	7.94E+01	1.33E+00	3.22E-04	1.53E-01	7.21E-02	1.55E+00	1.49E+00	7.61E+01	1.53E+00	3.68E-01	7.95E+01
3027	479153.24	3850343.52	19.0741	8.07644	14.635	5.37481	1.45E+00	8.62E+01	1.62E+00	3.07E-01	8.96E+01	1.41E+00	3.64E-04	1.62E-01	6.02E-02	1.63E+00	1.58E+00	8.62E+01	1.62E+00	3.07E-01	8.97E+01
3028	479203.24	3850343.52	17.4511	7.98609	14.518	5.47699	1.33E+00	8.52E+01	1.61E+00	3.13E-01	8.85E+01	1.29E+00	3.60E-04	1.61E-01	6.13E-02	1.51E+00	1.45E+00	8.52E+01	1.61E+00	3.13E-01	8.86E+01
3029	479253.24	3850343.52	18.7605	7.82851	14.386	5.67966	1.43E+00	8.35E+01	1.59E+00	3.25E-01	8.69E+01	1.39E+00	3.53E-04	1.59E-01	6.36E-02	1.61E+00	1.56E+00	8.35E+01	1.59E+00	3.25E-01	8.70E+01
3030	479303.24	3850343.52	18.5709	7.62723	14.239	5.92785	1.42E+00	8.14E+01	1.57E+00	3.39E-01	8.47E+01	1.37E+00	3.44E-04	1.57E-01	6.64E-02	1.60E+00	1.54E+00	8.14E+01	1.57E+00	3.39E-01	8.49E+01
3031	479353.24	3850343.52	18.2088	7.39628	14.08	6.18525	1.39E+00	7.89E+01	1.56E+00	3.54E-01	8.22E+01	1.35E+00	3.33E-04	1.56E-01	6.92E-02	1.57E+00	1.51E+00	7.89E+01	1.56E+00	3.54E-01	8.24E+01
3032	479203.24	3850393.52	17.7019	8.2036	14.737	5.16064	1.35E+00	8.75E+01	1.63E+00	2.95E-01	9.08E+01	1.31E+00	3.70E-04	1.63E-01	5.78E-02	1.53E+00	1.47E+00	8.75E+01	1.63E+00	2.95E-01	9.09E+01
3033	479253.24	3850393.52	17.6758	8.05668	14.62	5.36633	1.35E+00	8.60E+01	1.62E+00	3.07E-01	8.92E+01	1.31E+00	3.63E-04	1.62E-01	6.01E-02	1.53E+00	1.47E+00	8.60E+01	1.62E+00	3.07E-01	8.94E+01
3034	479303.24	3850393.52	17.5182	7.87206	14.488	5.61801	1.34E+00	8.40E+01	1.60E+00	3.21E-01	8.73E+01	1.30E+00	3.55E-04	1.60E-01	6.29E-02	1.52E+00	1.45E+00	8.40E+01	1.60E+00	3.21E-01	8.74E+01
3035	479353.24	3850393.52	18.7718	7.65575	14.343	5.89052	1.43E+00	8.17E+01	1.59E+00	3.37E-01	8.51E+01	1.39E+00	3.45E-04	1.59E-01	6.59E-02	1.61E+00	1.56E+00	8.17E+01	1.59E+00	3.37E-01	8.52E+01
3036	479403.24	3850393.52	18.4399	7.42201	14.184	6.14254	1.41E+00	7.92E+01	1.57E+00	3.51E-01	8.25E+01	1.37E+00	3.35E-04	1.57E-01	6.88E-02	1.59E+00	1.53E+00	7.92E+01	1.57E+00	3.51E-01	8.27E+01
3037	479453.24	3850393.52	18.4126	7.12747	14.011	6.47365	1.40E+00	7.61E+01	1.55E+00	3.70E-01	7.94E+01	1.36E+00	3.21E-04	1.55E-01	7.25E-02	1.59E+00	1.53E+00	7.61E+01	1.55E+00	3.70E-01	7.95E+01
3038	479503.24	3850393.52	19.1785	6.7885	13.825	6.84558	1.46E+00	7.24E+01	1.53E+00	3.91E-01	7.58E+01	1.42E+00	3.06E-04	1.53E-01	7.66E-02	1.65E+00	1.59E+00	7.24E+01	1.53E+00	3.91E-01	7.60E+01
3039	479303.24	3850443.52	17.9001	8.06951	14.721	5.38329	1.36E+00	8.61E+01	1.63E+00	3.08E-01	8.94E+01	1.33E+00	3.64E-04	1.63E-01	6.03E-02	1.55E+00	1.49E+00	8.61E+01	1.63E+00	3.08E-01	8.95E+01
3040	479353.24	3850443.52	19.2732	7.85067	14.59	5.70748	1.47E+00	8.38E+01	1.61E+00	3.26E-01	8.72E+01	1.43E+00	3.54E-04	1.61E-01	6.39E-02	1.65E+00	1.60E+00	8.38E+01	1.61E+00	3.26E-01	8.73E+01
3041	479403.24	3850443.52	19.2949	7.60174	14.445	6.05456	1.47E+00	8.11E+01	1.60E+00	3.46E-01	8.45E+01	1.43E+00	3.43E-04	1.60E-01	6.78E-02	1.66E+00	1.60E+00	8.11E+01	1.60E+00	3.46E-01	8.47E+01
3042	479453.24	3850443.52	19.0598	7.32948	14.286	6.39814	1.45E+00	7.82E+01	1.58E+00	3.66E-01	8.16E+01	1.41E+00	3.30E-04	1.58E-01	7.16E-02	1.64E+00	1.58E+00	7.82E+01	1.58E+00	3.66E-01	8.17E+01
3043	479503.24	3850443.52	19.036	7.0218	14.114	6.75633	1.45E+00	7.49E+01	1.56E+00	3.86E-01	7.83E+01	1.41E+00	3.17E-04	1.56E-01	7.56E-02	1.64E+00	1.58E+00	7.49E+01	1.56E+00	3.86E-01	7.85E+01
3044	480327.18	3850987.04	20.6079	7.0077	14.175	4.60656	1.57E+00	7.48E+01	1.57E+00	2.63E-01	7.82E+01	1.53E+00	3.16E-04	1.57E-01	5.16E-02	1.73E+00	1.71E+00	7.48E+01	1.57E+00	2.63E-01	7.83E+01
3045	480377.18	3850987.04	21.1803	6.97607	13.918	4.71746	1.61E+00	7.44E+01	1.54E+00	2.70E-01	7.79E+01	1.57E+00	3.14E-04	1.54E-01	5.28E-02	1.78E+00	1.76E+00	7.44E+01	1.54E+00	2.70E-01	7.80E+01
3046	480427.18	3850987.04	21.4888	6.76662	13.648	4.89698	1.64E+00	7.22E+01	1.51E+00	2.80E-01	7.56E+01	1.59E+00	3.05E-04	1.51E-01	5.48E-02	1.80E+00	1.78E+00	7.22E+01	1.51E+00	2.80E-01	7.58E+01

3047	480477.18	3850987.04	21.5178	6.41997	13.366	5.11163	1.64E+00	6.85E+01	1.48E+00	2.92E-01	7.19E+01	1.59E+00	2.89E-04	1.48E-01	5.72E-02	1.80E+00	1.79E+00	6.85E+01	1.48E+00	2.92E-01	7.21E+01
3048	480327.18	3851037.04	20.2971	7.05655	14.539	4.42884	1.55E+00	7.53E+01	1.61E+00	2.53E-01	7.87E+01	1.50E+00	3.18E-04	1.61E-01	4.96E-02	1.71E+00	1.69E+00	7.53E+01	1.61E+00	2.53E-01	7.89E+01
3049	480377.18	3851037.04	20.8412	7.10574	14.294	4.55512	1.59E+00	7.58E+01	1.58E+00	2.60E-01	7.93E+01	1.54E+00	3.20E-04	1.58E-01	5.10E-02	1.75E+00	1.73E+00	7.58E+01	1.58E+00	2.60E-01	7.94E+01
3050	480427.18	3851037.04	21.4375	6.99464	14.036	4.70828	1.63E+00	7.46E+01	1.55E+00	2.69E-01	7.81E+01	1.59E+00	3.15E-04	1.55E-01	5.27E-02	1.80E+00	1.78E+00	7.46E+01	1.55E+00	2.69E-01	7.82E+01
3051	480477.18	3851037.04	21.7639	6.77304	13.766	4.8328	1.66E+00	7.23E+01	1.52E+00	2.76E-01	7.57E+01	1.61E+00	3.05E-04	1.52E-01	5.41E-02	1.82E+00	1.81E+00	7.23E+01	1.52E+00	2.76E-01	7.59E+01
3052	480622.06	3851087.39	21.891	6.06531	13.343	4.92385	1.67E+00	6.47E+01	1.48E+00	2.82E-01	6.82E+01	1.62E+00	2.73E-04	1.48E-01	5.51E-02	1.82E+00	1.82E+00	6.47E+01	1.48E+00	2.82E-01	6.83E+01
3053	480672.06	3851087.39	22.2594	5.75291	13.041	4.98413	1.70E+00	6.14E+01	1.44E+00	2.85E-01	6.48E+01	1.65E+00	2.59E-04	1.44E-01	5.58E-02	1.85E+00	1.85E+00	6.14E+01	1.44E+00	2.85E-01	6.50E+01
3054	480622.06	3851137.39	22.4013	6.49303	13.757	4.64835	1.71E+00	6.93E+01	1.52E+00	2.66E-01	7.28E+01	1.66E+00	2.93E-04	1.52E-01	5.20E-02	1.86E+00	1.86E+00	6.93E+01	1.52E+00	2.66E-01	7.29E+01
3055	480672.06	3851137.39	22.1913	6.06127	13.464	4.73749	1.69E+00	6.47E+01	1.49E+00	2.71E-01	6.81E+01	1.64E+00	2.73E-04	1.49E-01	5.30E-02	1.85E+00	1.84E+00	6.47E+01	1.49E+00	2.71E-01	6.83E+01
3056	480722.06	3851137.39	22.5551	5.88559	13.16	4.77691	1.72E+00	6.28E+01	1.45E+00	2.73E-01	6.63E+01	1.67E+00	2.65E-04	1.45E-01	5.35E-02	1.87E+00	1.87E+00	6.28E+01	1.45E+00	2.73E-01	6.64E+01
3057	480622.06	3851187.39	22.5826	6.88865	14.165	4.40487	1.72E+00	7.35E+01	1.57E+00	2.52E-01	7.71E+01	1.67E+00	3.11E-04	1.57E-01	4.93E-02	1.88E+00	1.87E+00	7.35E+01	1.57E+00	2.52E-01	7.72E+01
3058	480672.06	3851187.39	22.6942	6.49794	13.881	4.47005	1.73E+00	6.93E+01	1.53E+00	2.56E-01	7.29E+01	1.68E+00	2.93E-04	1.53E-01	5.00E-02	1.88E+00	1.88E+00	6.93E+01	1.53E+00	2.56E-01	7.30E+01
3059	480722.06	3851187.39	22.4886	6.17231	13.587	4.50494	1.71E+00	6.59E+01	1.50E+00	2.58E-01	6.93E+01	1.66E+00	2.78E-04	1.50E-01	5.04E-02	1.87E+00	1.87E+00	6.59E+01	1.50E+00	2.58E-01	6.95E+01
3060	471363.09	3845877.25	4.40746	2.78367	7.3225	4.08265	3.36E-01	2.97E+01	8.10E-01	2.33E-01	3.11E+01	3.26E-01	1.25E-04	8.10E-02	4.57E-02	4.53E-01	3.66E-01	2.97E+01	8.10E-01	2.33E-01	3.11E+01
3061	471863.09	3845877.25	3.99853	2.82967	8.4521	3.99882	3.05E-01	3.02E+01	9.34E-01	2.29E-01	3.17E+01	2.96E-01	1.28E-04	9.34E-02	4.48E-02	4.34E-01	3.32E-01	3.02E+01	9.34E-01	2.29E-01	3.17E+01
3062	472363.09	3845877.25	5.0768	3.06846	9.3989	3.70939	3.87E-01	3.27E+01	1.04E+00	2.12E-01	3.44E+01	3.76E-01	1.38E-04	1.04E-01	4.15E-02	5.21E-01	4.21E-01	3.27E+01	1.04E+00	2.12E-01	3.44E+01
3063	472863.09	3845877.25	3.63258	1.34326	10.003	3.24062	2.77E-01	1.43E+01	1.11E+00	1.85E-01	1.59E+01	2.69E-01	6.06E-05	1.11E-01	3.63E-02	4.16E-01	3.02E-01	1.43E+01	1.11E+00	1.85E-01	1.59E+01
3064	473363.09	3845877.25	4.6444	1.19664	10.165	2.67174	3.54E-01	1.28E+01	1.12E+00	1.53E-01	1.44E+01	3.44E-01	5.39E-05	1.12E-01	2.99E-02	4.86E-01	3.86E-01	1.28E+01	1.12E+00	1.53E-01	1.44E+01
3065	473863.09	3845877.25	7.78513	1.65576	9.8171	2.08089	5.93E-01	1.77E+01	1.09E+00	1.19E-01	1.95E+01	5.76E-01	7.46E-05	1.09E-01	2.33E-02	7.08E-01	6.46E-01	1.77E+01	1.09E+00	1.19E-01	1.95E+01
3066	474363.09	3845877.25	7.16636	2.97138	8.9848	1.653	5.46E-01	3.17E+01	9.93E-01	9.45E-02	3.33E+01	5.31E-01	1.34E-04	9.93E-02	1.85E-02	6.49E-01	5.95E-01	3.17E+01	9.93E-01	9.45E-02	3.34E+01
3067	474863.09	3845877.25	7.62053	3.29081	7.7723	2.69814	5.81E-01	3.51E+01	8.59E-01	1.54E-01	3.67E+01	5.64E-01	1.48E-04	8.59E-02	3.02E-02	6.80E-01	6.33E-01	3.51E+01	8.59E-01	1.54E-01	3.68E+01
3068	475363.09	3845877.25	9.19648	2.56797	6.3508	5.56679	7.01E-01	2.74E+01	7.02E-01	3.18E-01	2.91E+01	6.81E-01	1.16E-04	7.02E-02	6.23E-02	8.13E-01	7.64E-01	2.74E+01	7.02E-01	3.18E-01	2.92E+01
3069	475863.09	3845877.25	9.80145	1.72277	4.9072	5.80251	7.47E-01	1.84E+01	5.43E-01	3.32E-01	2.00E+01	7.26E-01	7.77E-05	5.43E-02	6.50E-02	8.45E-01	8.14E-01	1.84E+01	5.43E-01	3.32E-01	2.01E+01
3070	476363.09	3845877.25	10.329	1.77206	4.1235	3.95919	7.87E-01	1.89E+01	4.56E-01	2.26E-01	2.04E+01	7.65E-01	7.99E-05	4.56E-02	4.43E-02	8.55E-01	8.58E-01	1.89E+01	4.56E-01	2.26E-01	2.05E+01
3071	476863.09	3845877.25	8.2143	2.14275	6.5563	2.38138	6.26E-01	2.29E+01	7.25E-01	1.36E-01	2.44E+01	6.08E-01	9.66E-05	7.25E-02	2.67E-02	7.07E-01	6.82E-01	2.29E+01	7.25E-01	1.36E-01	2.44E+01
3072	477363.09	3845877.25	6.12776	2.22493	13.698	1.92609	4.67E-01	2.37E+01	1.51E+00	1.10E-01	2.58E+01	4.54E-01	1.00E-04	1.51E-01	2.16E-02	6.27E-01	5.09E-01	2.37E+01	1.51E+00	1.10E-01	2.59E+01
3073	477863.09	3845877.25	5.66996	2.14955	14.801	1.71043	4.32E-01	2.29E+01	1.64E+00	9.78E-02	2.51E+01	4.20E-01	9.69E-05	1.64E-01	1.91E-02	6.03E-01	4.71E-01	2.29E+01	1.64E+00	9.78E-02	2.51E+01
3074	478363.09	3845877.25	7.73458	1.8615	9.9342	1.9212	5.90E-01	1.99E+01	1.10E+00	1.10E-01	2.17E+01	5.73E-01	8.39E-05	1.10E-01	2.15E-02	7.04E-01	6.42E-01	1.99E+01	1.10E+00	1.10E-01	2.17E+01
3075	478863.09	3845877.25	7.4872	1.36561	5.4535	2.09555	5.71E-01	1.46E+01	6.03E-01	1.20E-01	1.59E+01	5.54E-01	6.16E-05	6.03E-02	2.35E-02	6.38E-01	6.22E-01	1.46E+01	6.03E-01	1.20E-01	1.59E+01
3076	479363.09	3845877.25	4.90846	1.09702	5.7516	2.14763	3.74E-01	1.17E+01	6.36E-01	1.23E-01	1.28E+01	3.63E-01	4.95E-05	6.36E-02	2.40E-02	4.51E-01	4.08E-01	1.17E+01	6.36E-01	1.23E-01	1.29E+01
3077	479863.09	3845877.25	2.66549	1.19451	5.757	2.59595	2.03E-01	1.27E+01	6.37E-01	1.48E-01	1.37E+01	1.97E-01	5.38E-05	6.37E-02	2.91E-02	2.90E-01	2.21E-01	1.27E+01	6.37E-01	1.48E-01	1.38E+01
3078	480363.09	3845877.25	2.84436	1.29288	4.8442	2.98543	2.17E-01	1.38E+01	5.36E-01	1.71E-01	1.47E+01	2.11E-01	5.83E-05	5.36E-02	3.34E-02	2.98E-01	2.36E-01	1.38E+01	5.36E-01	1.71E-01	1.47E+01
3079	480863.09	3845877.25	1.68287	1.0909	5.7053	3.19398	1.28E-01	1.16E+01	6.31E-01	1.83E-01	1.26E+01	1.25E-01	4.92E-05	6.31E-02	3.58E-02	2.23E-01	1.40E-01	1.16E+01	6.31E-01	1.83E-01	1.26E+01
3080	481363.09	3845877.25	1.85757	1.03568	6.2675	3.22633	1.42E-01	1.11E+01	6.93E-01	1.84E-01	1.21E+01	1.38E-01	4.67E-05	6.93E-02	3.61E-02	2.43E-01	1.54E-01	1.11E+01	6.93E-01	1.84E-01	1.21E+01
3081	481863.09	3845877.25	3.17937	1.51651	6.3788	3.13971	2.42E-01	1.62E+01	7.05E-01	1.80E-01	1.73E+01	2.35E-01	6.84E-05	7.05E-02	3.51E-02	3.41E-01	2.64E-01	1.62E+01	7.05E-01	1.80E-01	1.73E+01
3082	482363.09	3845877.25	3.38726	2.03127	7.1335	2.99228	2.58E-01	2.17E+01	7.89E-01	1.71E-01	2.29E+01	2.51E-01	9.16E-05	7.89E-02	3.35E-02	3.63E-01	2.81E-01	2.17E+01	7.89E-01	1.71E-01	2.29E+01
3083	482863.09	3845877.25	2.46408	1.75527	8.9217	2.8114	1.88E-01	1.87E+01	9.86E-01	1.61E-01	2.01E+01	1.82E-01	7.91E-05	9.86E-02	3.15E-02	3.13E-01	2.05E-01	1.87E+01	9.86E-01	1.61E-01	2.01E+01
3084	483363.09	3845877.25	1.72228	1.41321	11.016	2.5813	1.31E-01	1.51E+01	1.22E+00	1.48E-01	1.66E+01	1.28E-01	6.37E-05	1.22E-01	2.89E-02	2.78E-01	1.43E-01	1.51E+01	1.22E+00	1.48E-01	1.66E+01
3085	483863.09	3845877.25	4.42997	1.04966	11.966	2.27819	3.38E-01	1.12E+01	1.32E+00	1.30E-01	1.30E+01	3.28E-01	4.73E-05	1.32E-01	2.55E-02	4.86E-01	3.68E-01	1.12E+01	1.32E+00	1.30E-01	1.30E+01
3086	484363.09	3845877.25	4.88483	1.04556	11.421	2.55439	3.72E-01	1.12E+01	1.26E+00	1.46E-01	1.29E+01	3.62E-01	4.71E-05	1.26E-01	2.86E-02	5.17E-01	4.06E-01	1.12E+01	1.26E+00	1.46E-01	1.30E+01
3087	484863.09	3845877.25	4.77238	1.91407	9.5255	2.80406	3.64E-01	2.04E+01	1.05E+00	1.60E-01	2.20E+01	3.53E-01	8.63E-05	1.05E-01	3.14E-02	4.90E-01	3.96E-01	2.04E+01	1.05E+00	1.60E-01	2.20E+01
3088	485363.09	3845877.25	3.49987	2.13743	9.0896	2.41238	2.67E-01	2.28E+01	1.00E+00	1.38E-01	2.42E+01	2.59E-01	9.64E-05	1.00E-01	2.70E-02	3.87E-01	2.91E-01	2.28E+01	1.00E+00	1.38E-01	2.42E+01
3089	485863.09	3845877.25	2.16444	2.01397	7.2492	1.96025	1.65E-01	2.15E+01	8.01E-01	1.12E-01	2.26E+01	1.60E-01	9.08E-05	8.01E-02	2.19E-02	2.62E-01	1.80E-01	2.15E+01	8.01E-01	1.12E-01	2.26E+01
3090	486363.09	3845877.25	1.85289	2.44595	7.4491	1.94572	1.41E-01	2.61E+01	8.24E-01	1.11E-01	2.72E+01	1.37E-01	1.10E-04	8.24E-02	2.18E-02	2.41E-01	1.54E-01	2.61E+01	8.24E-01	1.11E-01	2.72E+01
3091	486863.09	3845877.25	1.58969	2.04506	7.3453	1.9763	1.21E-01	2.18E+01	8.12E-01	1.13E-01	2.29E+01	1.18E-01	9.22E-05	8.12E-02	2.21E-02	2.21E-01	1.32E-01	2.18E+01	8.12E-01	1.13E-01	2.29E+01
3092	487363.09	3845877.25	1.43391	1.02049	8.9171	2.00744	1.09E-01	1.09E+01	9.86E-01	1.15E-01	1.21E+01	1.06E-01	4.60E-05	9.86E-02	2.25E-02	2.27E-01	1.19E-01	1.09E+01	9.86E-01	1.15E-01	1.21E+01
3093	487863.09	3845877.25	0.92214	0.74997	9.804	1.68334	7.03E-02	8.00E+00	1.08E+00	9.63E-02	9.25E+00	6.83E-02	3.38E-05	1.08E-01	1.88E-02	1.96E-01	7.66E-02	8.00E+00	1.08E+00	9.63E-02	9.26E+00
3094	488363.09	3845877.25	1.08938	0.55636	10.247	1.83968	8.30E-02	5.94E+00	1.13E+00	1.05E-01	7.26E+00	8.07E-02	2.51E-05	1.13E-01	2.06E-02	2.15E-01	9.04E-02	5.94E+00	1.13E+00	1.05E-01	7.27E+00
3095	488863.09	3845877.25	1.10596	0.87117	16.42	2.16539	8.43E-02	9.30E+00	1.82E+00	1.24E-01	1.13E+01	8.19E-02	3.93E-05	1.82E-01	2.42E-02	2.88E-01	9.18E-02	9.30E+00	1.82E+00	1.24E-01	1.13E+01
3096	489363.09	3845877.25	1.08921	0.95339	11.983	2.04378	8.30E-02	1.02E+01	1.32E+00	1.17E-01	1.17E+01	8.06E-02	4.30E-05	1.32E-01	2.29E-02	2.36E-01	9.04E-02	1.02E+01	1.32E+00	1.17E-01	1.17E+01
3097	489863.09	3845877.25	1.09514	0.43404	8.7673	1.52655	8.35E-02	4.63E+00	9.69E-01	8.73E-02	5.77E+00	8.11E-02	1.96E-05	9.69E-02	1.71E-02	1.95E-01	9.09E-02	4.63E+00	9.69E-01	8.73E-02	5.78E+00
3098	490363.09	3845877.25	0.80204	0.70777	7.7434	1.49628	6.11E-02	7.55E+00	8.56E-01	8.56E-02	8.56E+00	5.94E-02	3.19E-05	8.56E-02	1.67E-02	1.62E-01	6.66E-02	7.55E+00	8.56E-01	8.56E-02	8.56E+00
3099	490863.09	3845877.25	0.99476	0.9043	7.5298	1.20128	7.58E-02	9.65E+00	8.33E-01	6.87E-02	1.06E+01	7.36E-02	4.08E-05	8.33E-02	1.34E-02	1.70E-01	8.26E-02	9.65E+00	8.33E-01	6.87E-02	1.06E+01
3100	491363.09	3845877.25	1.05427	1.07312	8.6216	1.35934	8.04E-02	1.15E+01	9.53E-01	7.77E-02	1.26E+01	7.81E-02	4.84E-05	9.53E-02	1.52E-02	1.89E-01	8.75E-02	1.15E+01	9.53E-01	7.77E-02	1.26E+01
3101	491863.09	3845877.25	1.72993	1.28239	9.4926	1.52758	1.32E-01	1.37E+01	1.05E+00	8.74E-02	1.50E+01	1.28E-01	5.78E-05	1.05E-01	1.71E-02	2.50E-01	1.44E-01	1.37E+01	1.05E+00	8.74E-02	1.50E+01
3102	492363.09	3845877.25	2.79764	1.40995	7.781	1.47718	2.13E-01	1.50E+01	8.60E-01	8.45E-02	1.62E+01	2.07E-01	6.36E-05	8.60E-02	1.65E-02	3.10E-01	2.32E-01	1.50E+01	8.60E-01	8.45E-02	1.62E+01
3103	492863.09	3845877.25	3.26156	1.36279	6.7849	1.39908	2.49E-01	1.45E+01	7.50E-01	8.00E-02	1.56E+01	2.41E-01	6.14E-05	7.50E-02	1.57E-02	3.32E-01	2.71E-01	1.45E+01	7.50E-01	8.00E-02	1.56E+01
3104	493363.09	3845877.25	3.35563	1.1731	6.3395	1.26776	2.56E-01	1.25E+01	7.01E-01	7.25E-02	1.35E+01	2.48E-01	5.29E-05	7.01E-02	1.42E-02	3.33E-01	2.79E-01	1.25E+01	7.01E-01	7.25E-02	1.36E+01
3105	493863.09	3845877.25	3.35755	0.9414	5.9398	1.06891	2.56E-01	1.00E+01	6.57E-01	6.11E-02	1.10E+01	2.49E-01	4.24E-05	6.57E-02	1.20E-02	3.26E-01	2.79E-01	1.00E+01	6.57E-01	6.11E-02	1.10E+01
3106	494363.09	3845877.25	3.32171	0.73674	7.532	1.20271	2.53E-01	7.86E+00	8.33E-01	6.88E-02	9.02E+00	2.46E-01	3.32E-05	8.33E-02	1.35E-02	3.43E-01	2.76E-01	7.86E+00	8.33E-01	6.88E-02	9.04E+00
3107	494863.09	3845877.25	3.11546	0.61957	8.4032	1.34172	2.37E-01	6.61E+00	9.29E-01	7.67E-02	7.86E+00	2.31E-01	2.79E-05	9.29E-02	1.50E-02	3.39E-01	2.59E-01	6.61E+00	9.29E-01	7.67E-02	7.88E+00

3108	495363.09	3845877.25	2.46708	0.69283	8.2433	1.43572	1.88E-01	7.39E+00	9.11E-01	8.21E-02	8.58E+00	1.83E-01	3.12E-05	9.11E-02	1.61E-02	2.90E-01	2.05E-01	7.39E+00	9.11E-01	8.21E-02	8.59E+00
3109	495863.09	3845877.25	1.42743	0.98575	7.1738	1.4557	1.09E-01	1.05E+01	7.93E-01	8.32E-02	1.15E+01	1.06E-01	4.44E-05	7.93E-02	1.63E-02	2.01E-01	1.19E-01	1.05E+01	7.93E-01	8.32E-02	1.15E+01
3110	496363.09	3845877.25	0.86045	1.34366	7.3796	1.38481	6.56E-02	1.43E+01	8.16E-01	7.92E-02	1.53E+01	6.37E-02	6.06E-05	8.16E-02	1.55E-02	1.61E-01	7.14E-02	1.43E+01	8.16E-01	7.92E-02	1.53E+01
3111	496863.09	3845877.25	0.99696	1.53854	9.8096	1.4924	7.60E-02	1.64E+01	1.08E+00	8.53E-02	1.77E+01	7.38E-02	6.94E-05	1.08E-01	1.67E-02	1.99E-01	8.28E-02	1.64E+01	1.08E+00	8.53E-02	1.77E+01
3112	497363.09	3845877.25	1.12018	1.52569	11.182	1.57698	8.54E-02	1.63E+01	1.24E+00	9.02E-02	1.77E+01	8.29E-02	6.88E-05	1.24E-01	1.77E-02	2.24E-01	9.30E-02	1.63E+01	1.24E+00	9.02E-02	1.77E+01
3113	497863.09	3845877.25	1.36132	1.54404	10.866	1.62683	1.04E-01	1.65E+01	1.20E+00	9.30E-02	1.79E+01	1.01E-01	6.96E-05	1.20E-01	1.82E-02	2.39E-01	1.13E-01	1.65E+01	1.20E+00	9.30E-02	1.79E+01
3114	498363.09	3845877.25	1.44329	1.76093	9.1285	1.74356	1.10E-01	1.88E+01	1.01E+00	9.97E-02	2.00E+01	1.07E-01	7.94E-05	1.01E-01	1.95E-02	2.27E-01	1.20E-01	1.88E+01	1.01E+00	9.97E-02	2.00E+01
3115	471363.09	3846377.25	7.12448	3.84968	5.9652	4.05484	5.43E-01	4.11E+01	6.60E-01	2.32E-01	4.25E+01	5.27E-01	1.74E-04	6.60E-02	4.54E-02	6.39E-01	5.91E-01	4.11E+01	6.60E-01	2.32E-01	4.26E+01
3116	471863.09	3846377.25	9.25187	3.66403	7.204	4.23311	7.05E-01	3.91E+01	7.96E-01	2.42E-01	4.08E+01	6.85E-01	1.65E-04	7.96E-02	4.74E-02	8.12E-01	7.68E-01	3.91E+01	7.96E-01	2.42E-01	4.09E+01
3117	472363.09	3846377.25	4.57869	2.83428	8.4175	4.18801	3.49E-01	3.02E+01	9.31E-01	2.39E-01	3.18E+01	3.39E-01	1.28E-04	9.31E-02	4.69E-02	4.79E-01	3.80E-01	3.02E+01	9.31E-01	2.39E-01	3.18E+01
3118	472863.09	3846377.25	4.83758	2.81863	9.499	3.91805	3.69E-01	3.01E+01	1.05E+00	2.24E-01	3.17E+01	3.58E-01	1.27E-04	1.05E-01	4.39E-02	5.07E-01	4.02E-01	3.01E+01	1.05E+00	2.24E-01	3.18E+01
3119	473363.09	3846377.25	5.06955	1.76615	10.26	3.44711	3.86E-01	1.88E+01	1.13E+00	1.97E-01	2.06E+01	3.75E-01	7.96E-05	1.13E-01	3.86E-02	5.27E-01	4.21E-01	1.88E+01	1.13E+00	1.97E-01	2.06E+01
3120	473863.09	3846377.25	5.90444	1.56273	10.56	2.84946	4.50E-01	1.67E+01	1.17E+00	1.63E-01	1.85E+01	4.37E-01	7.04E-05	1.17E-01	3.19E-02	5.86E-01	4.90E-01	1.67E+01	1.17E+00	1.63E-01	1.85E+01
3121	474363.09	3846377.25	9.20811	2.29474	10.308	2.21581	7.02E-01	2.45E+01	1.14E+00	1.27E-01	2.65E+01	6.82E-01	1.03E-04	1.14E-01	2.48E-02	8.21E-01	7.64E-01	2.45E+01	1.14E+00	1.27E-01	2.65E+01
3122	474863.09	3846377.25	9.17088	3.69534	9.5097	1.70646	6.99E-01	3.94E+01	1.05E+00	9.76E-02	4.13E+01	6.79E-01	1.67E-04	1.05E-01	1.91E-02	8.03E-01	7.61E-01	3.94E+01	1.05E+00	9.76E-02	4.13E+01
3123	475363.09	3846377.25	9.45731	3.71998	8.2669	4.2056	7.21E-01	3.97E+01	9.14E-01	2.40E-01	4.16E+01	7.00E-01	1.68E-04	9.14E-02	4.71E-02	8.39E-01	7.85E-01	3.97E+01	9.14E-01	2.40E-01	4.16E+01
3124	475863.09	3846377.25	10.5725	2.84018	6.7653	7.38801	8.06E-01	3.03E+01	7.48E-01	4.22E-01	3.23E+01	7.83E-01	1.28E-04	7.48E-02	8.27E-02	9.40E-01	8.78E-01	3.03E+01	7.48E-01	4.22E-01	3.24E+01
3125	476363.09	3846377.25	10.6676	1.82988	5.2123	6.3267	8.13E-01	1.95E+01	5.76E-01	3.62E-01	2.13E+01	7.90E-01	8.25E-05	5.76E-02	7.08E-02	9.18E-01	8.86E-01	1.95E+01	5.76E-01	3.62E-01	2.14E+01
3126	476863.09	3846377.25	10.8222	1.94418	4.258	4.24618	8.25E-01	2.07E+01	4.71E-01	2.43E-01	2.23E+01	8.01E-01	8.76E-05	4.71E-02	4.75E-02	8.96E-01	8.98E-01	2.07E+01	4.71E-01	2.43E-01	2.24E+01
3127	477363.09	3846377.25	8.98666	2.20133	8.6284	2.60394	6.85E-01	2.35E+01	9.54E-01	1.49E-01	2.53E+01	6.65E-01	9.92E-05	9.54E-02	2.91E-02	7.90E-01	7.46E-01	2.35E+01	9.54E-01	1.49E-01	2.53E+01
3128	477863.09	3846377.25	5.85729	2.23016	16.288	2.56555	4.46E-01	2.38E+01	1.80E+00	1.47E-01	2.62E+01	4.34E-01	1.01E-04	1.80E-01	2.87E-02	6.43E-01	4.86E-01	2.38E+01	1.80E+00	1.47E-01	2.62E+01
3129	478363.09	3846377.25	6.71306	2.1083	17.569	3.02522	5.12E-01	2.25E+01	1.94E+00	1.73E-01	2.51E+01	4.97E-01	9.50E-05	1.94E-01	3.39E-02	7.25E-01	5.57E-01	2.25E+01	1.94E+00	1.73E-01	2.52E+01
3130	478863.09	3846377.25	8.29708	1.74138	11.669	2.07253	6.32E-01	1.86E+01	1.29E+00	1.19E-01	2.06E+01	6.14E-01	7.85E-05	1.29E-01	2.32E-02	7.67E-01	6.89E-01	1.86E+01	1.29E+00	1.19E-01	2.07E+01
3131	479363.09	3846377.25	6.89082	1.19849	5.6567	2.19329	5.25E-01	1.28E+01	6.25E-01	1.25E-01	1.41E+01	5.10E-01	5.40E-05	6.25E-02	2.46E-02	5.97E-01	5.72E-01	1.28E+01	6.25E-01	1.25E-01	1.41E+01
3132	479863.09	3846377.25	4.69867	1.0987	6.0569	2.48394	3.58E-01	1.17E+01	6.70E-01	1.42E-01	1.29E+01	3.48E-01	4.95E-05	6.70E-02	2.78E-02	4.43E-01	3.90E-01	1.17E+01	6.70E-01	1.42E-01	1.29E+01
3133	480363.09	3846377.25	3.35222	1.33658	5.6485	2.95136	2.56E-01	1.43E+01	6.25E-01	1.69E-01	1.53E+01	2.48E-01	6.03E-05	6.25E-02	3.30E-02	3.44E-01	2.78E-01	1.43E+01	6.25E-01	1.69E-01	1.53E+01
3134	480863.09	3846377.25	2.7232	1.15897	5.4035	3.23404	2.08E-01	1.24E+01	5.97E-01	1.85E-01	1.34E+01	2.02E-01	5.22E-05	5.97E-02	3.62E-02	2.98E-01	2.26E-01	1.24E+01	5.97E-01	1.85E-01	1.34E+01
3135	481363.09	3846377.25	1.50088	1.0101	6.2075	3.31245	1.14E-01	1.08E+01	6.86E-01	1.89E-01	1.18E+01	1.11E-01	4.55E-05	6.86E-02	3.71E-02	2.17E-01	1.25E-01	1.08E+01	6.86E-01	1.89E-01	1.18E+01
3136	481863.09	3846377.25	2.8469	1.3775	6.6054	3.24101	2.17E-01	1.47E+01	7.30E-01	1.85E-01	1.58E+01	2.11E-01	6.21E-05	7.30E-02	3.63E-02	3.20E-01	2.36E-01	1.47E+01	7.30E-01	1.85E-01	1.59E+01
3137	482363.09	3846377.25	3.5167	2.04041	6.5791	3.09734	2.68E-01	2.18E+01	7.27E-01	1.77E-01	2.29E+01	2.60E-01	9.20E-05	7.27E-02	3.47E-02	3.68E-01	2.92E-01	2.18E+01	7.27E-01	1.77E-01	2.30E+01
3138	482863.09	3846377.25	2.90441	1.81204	8.5053	2.92114	2.21E-01	1.93E+01	9.40E-01	1.67E-01	2.07E+01	2.15E-01	8.17E-05	9.40E-02	3.27E-02	3.42E-01	2.41E-01	1.93E+01	9.40E-01	1.67E-01	2.07E+01
3139	483363.09	3846377.25	1.57268	1.49966	10.494	2.7078	1.20E-01	1.60E+01	1.16E+00	1.55E-01	1.74E+01	1.16E-01	6.76E-05	1.16E-01	3.03E-02	2.63E-01	1.31E-01	1.60E+01	1.16E+00	1.55E-01	1.74E+01
3140	483863.09	3846377.25	4.27486	1.2057	12.123	2.42946	3.26E-01	1.29E+01	1.34E+00	1.39E-01	1.47E+01	3.16E-01	5.44E-05	1.34E-01	2.72E-02	4.78E-01	3.55E-01	1.29E+01	1.34E+00	1.39E-01	1.47E+01
3141	484363.09	3846377.25	4.88505	0.96438	12.186	2.6307	3.72E-01	1.03E+01	1.35E+00	1.50E-01	1.22E+01	3.62E-01	4.35E-05	1.35E-01	2.94E-02	5.26E-01	4.06E-01	1.03E+01	1.35E+00	1.50E-01	1.22E+01
3142	484863.09	3846377.25	4.82102	1.82393	10.468	2.82897	3.67E-01	1.95E+01	1.16E+00	1.62E-01	2.12E+01	3.57E-01	8.22E-05	1.16E-01	3.17E-02	5.04E-01	4.00E-01	1.95E+01	1.16E+00	1.62E-01	2.12E+01
3143	485363.09	3846377.25	3.81271	2.16996	9.5589	2.36907	2.91E-01	2.32E+01	1.06E+00	1.35E-01	2.46E+01	2.82E-01	9.78E-05	1.06E-01	2.65E-02	4.15E-01	3.17E-01	2.32E+01	1.06E+00	1.35E-01	2.47E+01
3144	485863.09	3846377.25	2.19156	1.9808	7.2728	1.95994	1.67E-01	2.11E+01	8.04E-01	1.12E-01	2.22E+01	1.62E-01	8.93E-05	8.04E-02	2.19E-02	2.65E-01	1.82E-01	2.11E+01	8.04E-01	1.12E-01	2.22E+01
3145	486363.09	3846377.25	1.87055	2.41453	7.7574	1.94697	1.43E-01	2.58E+01	8.58E-01	1.11E-01	2.69E+01	1.38E-01	1.09E-04	8.58E-02	2.18E-02	2.46E-01	1.55E-01	2.58E+01	8.58E-01	1.11E-01	2.69E+01
3146	486863.09	3846377.25	1.58931	2.18976	7.4753	1.99346	1.21E-01	2.34E+01	8.26E-01	1.14E-01	2.44E+01	1.18E-01	9.87E-05	8.26E-02	2.23E-02	2.23E-01	1.32E-01	2.34E+01	8.26E-01	1.14E-01	2.44E+01
3147	487363.09	3846377.25	1.40908	1.0258	9.182	2.04264	1.07E-01	1.09E+01	1.02E+00	1.17E-01	1.22E+01	1.04E-01	4.62E-05	1.02E-01	2.29E-02	2.29E-01	1.17E-01	1.09E+01	1.02E+00	1.17E-01	1.22E+01
3148	487863.09	3846377.25	1.01225	1.02883	10.157	2.0705	7.72E-02	1.10E+01	1.12E+00	1.18E-01	1.23E+01	7.49E-02	4.64E-05	1.12E-01	2.32E-02	2.10E-01	8.40E-02	1.10E+01	1.12E+00	1.18E-01	1.23E+01
3149	488363.09	3846377.25	1.10305	0.91198	14.751	2.61165	8.41E-02	9.73E+00	1.63E+00	1.49E-01	1.16E+01	8.17E-02	4.11E-05	1.63E-01	2.92E-02	2.74E-01	9.16E-02	9.73E+00	1.63E+00	1.49E-01	1.16E+01
3150	488863.09	3846377.25	1.10469	0.90727	18.224	2.88327	8.42E-02	9.68E+00	2.01E+00	1.65E-01	1.19E+01	8.18E-02	4.09E-05	2.01E-01	3.23E-02	3.16E-01	9.17E-02	9.68E+00	2.01E+00	1.65E-01	1.20E+01
3151	489363.09	3846377.25	1.11859	0.93477	15.584	2.53366	8.53E-02	9.98E+00	1.72E+00	1.45E-01	1.19E+01	8.28E-02	4.21E-05	1.72E-01	2.84E-02	2.84E-01	9.29E-02	9.98E+00	1.72E+00	1.45E-01	1.19E+01
3152	489863.09	3846377.25	1.08102	0.6518	9.1348	1.56043	8.24E-02	6.96E+00	1.01E+00	8.92E-02	8.14E+00	8.00E-02	2.94E-05	1.01E-01	1.75E-02	1.99E-01	8.97E-02	6.96E+00	1.01E+00	8.92E-02	8.14E+00
3153	490363.09	3846377.25	0.94337	0.87347	8.2064	1.47256	7.19E-02	9.32E+00	9.07E-01	8.42E-02	1.04E+01	6.98E-02	3.94E-05	9.07E-02	1.65E-02	1.77E-01	7.83E-02	9.32E+00	9.07E-01	8.42E-02	1.04E+01
3154	490863.09	3846377.25	1.04442	1.02769	7.666	1.27411	7.96E-02	1.10E+01	8.48E-01	7.29E-02	1.20E+01	7.73E-02	4.63E-05	8.48E-02	1.43E-02	1.76E-01	8.67E-02	1.10E+01	8.48E-01	7.29E-02	1.20E+01
3155	491363.09	3846377.25	1.44551	1.24035	9.231	1.41104	1.10E-01	1.32E+01	1.02E+00	8.07E-02	1.44E+01	1.07E-01	5.59E-05	1.02E-01	1.58E-02	2.25E-01	1.20E-01	1.32E+01	1.02E+00	8.07E-02	1.45E+01
3156	491863.09	3846377.25	2.64119	1.4038	9.6817	1.5959	2.01E-01	1.50E+01	1.07E+00	9.13E-02	1.63E+01	1.96E-01	6.33E-05	1.07E-01	1.79E-02	3.21E-01	2.19E-01	1.50E+01	1.07E+00	9.13E-02	1.64E+01
3157	492363.09	3846377.25	3.22621	1.39614	7.6411	1.55268	2.46E-01	1.49E+01	8.45E-01	8.88E-02	1.61E+01	2.39E-01	6.29E-05	8.45E-02	1.74E-02	3.41E-01	2.68E-01	1.49E+01	8.45E-01	8.88E-02	1.61E+01
3158	492863.09	3846377.25	3.35356	1.22474	7.0152	1.34098	2.56E-01	1.31E+01	7.76E-01	7.67E-02	1.42E+01	2.48E-01	5.52E-05	7.76E-02	1.50E-02	3.41E-01	2.78E-01	1.31E+01	7.76E-01	7.67E-02	1.42E+01
3159	493363.09	3846377.25	3.36048	0.99039	5.9138	1.16828	2.56E-01	1.06E+01	6.54E-01	6.68E-02	1.15E+01	2.49E-01	4.46E-05	6.54E-02	1.31E-02	3.27E-01	2.79E-01	1.06E+01	6.54E-01	6.68E-02	1.16E+01
3160	493863.09	3846377.25	3.34009	0.77408	7.0867	1.14776	2.55E-01	8.26E+00	7.84E-01	6.56E-02	9.36E+00	2.47E-01	3.49E-05	7.84E-02	1.28E-02	3.39E-01	2.77E-01	8.26E+00	7.84E-01	6.56E-02	9.39E+00
3161	494363.09	3846377.25	3.20691	0.62481	8.4341	1.30503	2.44E-01	6.67E+00	9.32E-01	7.46E-02	7.92E+00	2.37E-01	2.82E-05	9.32E-02	1.46E-02	3.45E-01	2.66E-01	6.67E+00	9.32E-01	7.46E-02	7.94E+00
3162	494863.09	3846377.25	2.67956	0.6444	8.751	1.43013	2.04E-01	6.88E+00	9.68E-01	8.18E-02	8.13E+00	1.98E-01	2.90E-05	9.68E-02	1.60E-02	3.11E-01	2.22E-01	6.88E+00	9.68E-01	8.18E-02	8.15E+00
3163	495363.09	3846377.25	1.66241	0.90139	7.9613	1.49083	1.27E-01	9.62E+00	8.80E-01	8.53E-02	1.07E+01	1.23E-01	4.06E-05	8.80E-02	1.67E-02	2.28E-01	1.38E-01	9.62E+00	8.80E-01	8.53E-02	1.07E+01
3164	495863.09	3846377.25	0.90062	1.27819	6.8369	1.4609	6.86E-02	1.36E+01	7.56E-01	8.35E-02	1.45E+01	6.67E-02	5.76E-05	7.56E-02	1.64E-02	1.59E-01	7.48E-02	1.36E+01	7.56E-01	8.35E-02	1.46E+01
3165	496363.09	3846377.25	1.02803	1.53014	9.5391	1.57117	7.84E-02	1.63E+01	1.05E+00	8.98E-02	1.76E+01	7.61E-02	6.90E-05	1.05E-01	1.76E-02	1.99E-01	8.53E-02	1.63E+01	1.05E+00	8.98E-02	1.76E+01
3166	496863.09	3846377.25	1.23496	1.5402	11.371	1.64225	9.41E-02	1.64E+01	1.26E+00	9.39E-02	1.79E+01	9.14E-02	6.94E-05	1.26E-01	1.84E-02	2.36E-01	1.03E-01	1.64E+01	1.26E+00	9.39E-02	1.79E+01
3167	497363.09	3846377.25	1.40913	1.51082	11.443	1.64399	1.07E-01	1.61E+01	1.27E+00	9.40E-02	1.76E+01	1.04E-01	6.81E-05	1.27E-01	1.84E-02	2.49E-01	1.17E-01	1.61E+01	1.27E+00	9.40E-02	1.76E+01
3168	497863.09	3846377.25	1.45454	1.6996	9.8285	1.75212	1.11E-01	1.81E+01	1.09E+00	1.00E-01	1.94E+01	1.08E-01	7.66E-05	1.09E-01	1.96E-02	2.36E-01	1.21E-01	1.81E+01	1.09E+00	1.00E-01	1.94E+01

3169	498363.09	3846377.25	1.46	1.93263	8.2359	1.8104	1.11E-01	2.06E+01	9.11E-01	1.04E-01	2.17E+01	1.08E-01	8.71E-05	9.11E-02	2.03E-02	2.19E-01	1.21E-01	2.06E+01	9.11E-01	1.04E-01	2.18E+01
3170	471363.09	3846877.25	9.57129	4.70193	5.6936	3.71086	7.30E-01	5.02E+01	6.29E-01	2.12E-01	5.17E+01	7.09E-01	2.12E-04	6.29E-02	4.15E-02	8.13E-01	7.95E-01	5.02E+01	6.29E-01	2.12E-01	5.18E+01
3171	471863.09	3846877.25	9.35413	4.54315	5.7293	4.12972	7.13E-01	4.85E+01	6.33E-01	2.36E-01	5.01E+01	6.93E-01	2.05E-04	6.33E-02	4.62E-02	8.02E-01	7.77E-01	4.85E+01	6.33E-01	2.36E-01	5.01E+01
3172	472363.09	3846877.25	9.51997	4.5117	7.0337	4.37608	7.26E-01	4.81E+01	7.78E-01	2.50E-01	4.99E+01	7.05E-01	2.03E-04	7.78E-02	4.90E-02	8.32E-01	7.90E-01	4.81E+01	7.78E-01	2.50E-01	5.00E+01
3173	472863.09	3846877.25	4.37404	2.75996	8.3396	4.38274	3.33E-01	2.95E+01	9.22E-01	2.51E-01	3.10E+01	3.24E-01	1.24E-04	9.22E-02	4.91E-02	4.65E-01	3.63E-01	2.95E+01	9.22E-01	2.51E-01	3.10E+01
3174	473363.09	3846877.25	5.61106	3.39596	9.5699	4.14401	4.28E-01	3.62E+01	1.06E+00	2.37E-01	3.80E+01	4.15E-01	1.53E-04	1.06E-01	4.64E-02	5.68E-01	4.66E-01	3.62E+01	1.06E+00	2.37E-01	3.80E+01
3175	473863.09	3846877.25	7.18459	2.56452	10.5	3.67318	5.48E-01	2.74E+01	1.16E+00	2.10E-01	2.93E+01	5.32E-01	1.16E-04	1.16E-01	4.11E-02	6.89E-01	5.96E-01	2.74E+01	1.16E+00	2.10E-01	2.93E+01
3176	474363.09	3846877.25	6.82694	1.86796	10.953	3.04303	5.20E-01	1.99E+01	1.21E+00	1.74E-01	2.18E+01	5.05E-01	8.42E-05	1.21E-01	3.41E-02	6.61E-01	5.67E-01	1.99E+01	1.21E+00	1.74E-01	2.19E+01
3177	474863.09	3846877.25	9.61423	2.68907	10.815	2.36137	7.33E-01	2.87E+01	1.20E+00	1.35E-01	3.08E+01	7.12E-01	1.21E-04	1.20E-01	2.64E-02	8.58E-01	7.98E-01	2.87E+01	1.20E+00	1.35E-01	3.08E+01
3178	475363.09	3846877.25	10.3076	3.71851	10.063	1.76328	7.86E-01	3.97E+01	1.11E+00	1.01E-01	4.17E+01	7.63E-01	1.68E-04	1.11E-01	1.97E-02	8.94E-01	8.56E-01	3.97E+01	1.11E+00	1.01E-01	4.18E+01
3179	475863.09	3846877.25	10.7372	3.9445	8.8012	5.48209	8.18E-01	4.21E+01	9.73E-01	3.13E-01	4.42E+01	7.95E-01	1.78E-04	9.73E-02	6.14E-02	9.54E-01	8.91E-01	4.21E+01	9.73E-01	3.13E-01	4.43E+01
3180	476363.09	3846877.25	11.4012	2.89973	7.2142	8.27053	8.69E-01	3.09E+01	7.98E-01	4.73E-01	3.31E+01	8.44E-01	1.31E-04	7.98E-02	9.26E-02	1.02E+00	9.47E-01	3.09E+01	7.98E-01	4.73E-01	3.32E+01
3181	476863.09	3846877.25	11.5334	3.10595	5.5456	6.68899	8.79E-01	3.31E+01	6.13E-01	3.82E-01	3.50E+01	8.54E-01	1.40E-04	6.13E-02	7.49E-02	9.90E-01	9.58E-01	3.31E+01	6.13E-01	3.82E-01	3.51E+01
3182	477363.09	3846877.25	12.1138	2.08104	4.4016	4.66293	9.23E-01	2.22E+01	4.87E-01	2.67E-01	2.39E+01	8.97E-01	9.38E-05	4.87E-02	5.22E-02	9.98E-01	1.01E+00	2.22E+01	4.87E-01	2.67E-01	2.40E+01
3183	477863.09	3846877.25	9.07282	2.23241	10.553	2.58046	6.92E-01	2.38E+01	1.17E+00	1.48E-01	2.58E+01	6.72E-01	1.01E-04	1.17E-01	2.89E-02	8.17E-01	7.53E-01	2.38E+01	1.17E+00	1.48E-01	2.59E+01
3184	478363.09	3846877.25	6.35052	2.22763	21.376	4.0605	4.84E-01	2.38E+01	2.36E+00	2.32E-01	2.69E+01	4.70E-01	1.00E-04	2.36E-01	4.55E-02	7.52E-01	5.27E-01	2.38E+01	2.36E+00	2.32E-01	2.69E+01
3185	478863.09	3846877.25	8.27537	2.04503	24.692	3.83663	6.31E-01	2.18E+01	2.73E+00	2.19E-01	2.54E+01	6.13E-01	9.22E-05	2.73E-01	4.29E-02	9.29E-01	6.87E-01	2.18E+01	2.73E+00	2.19E-01	2.55E+01
3186	479363.09	3846877.25	8.52562	1.59744	12.518	2.20729	6.50E-01	1.70E+01	1.38E+00	1.26E-01	1.92E+01	6.31E-01	7.20E-05	1.38E-01	2.47E-02	7.94E-01	7.08E-01	1.70E+01	1.38E+00	1.26E-01	1.93E+01
3187	479863.09	3846877.25	5.95034	1.10975	5.8405	2.34001	4.54E-01	1.18E+01	6.46E-01	1.34E-01	1.31E+01	4.41E-01	5.00E-05	6.46E-02	2.62E-02	5.31E-01	4.94E-01	1.18E+01	6.46E-01	1.34E-01	1.31E+01
3188	480363.09	3846877.25	2.23848	1.33135	6.255	2.88375	1.71E-01	1.42E+01	6.92E-01	1.65E-01	1.52E+01	1.66E-01	6.00E-05	6.92E-02	3.23E-02	2.67E-01	1.86E-01	1.42E+01	6.92E-01	1.65E-01	1.53E+01
3189	480863.09	3846877.25	2.69807	1.24612	5.3695	3.25227	2.06E-01	1.33E+01	5.94E-01	1.86E-01	1.43E+01	2.00E-01	5.62E-05	5.94E-02	3.64E-02	2.96E-01	2.24E-01	1.33E+01	5.94E-01	1.86E-01	1.43E+01
3190	481363.09	3846877.25	1.94004	1.02213	5.9909	3.39266	1.48E-01	1.09E+01	6.62E-01	1.94E-01	1.19E+01	1.44E-01	4.61E-05	6.62E-02	3.80E-02	2.48E-01	1.61E-01	1.09E+01	6.62E-01	1.94E-01	1.19E+01
3191	481863.09	3846877.25	2.36575	1.21715	6.6835	3.34425	1.80E-01	1.30E+01	7.39E-01	1.91E-01	1.41E+01	1.75E-01	5.49E-05	7.39E-02	3.74E-02	2.87E-01	1.96E-01	1.30E+01	7.39E-01	1.91E-01	1.41E+01
3192	482363.09	3846877.25	3.49411	2.04008	6.8524	3.20053	2.66E-01	2.18E+01	7.58E-01	1.83E-01	2.30E+01	2.59E-01	9.20E-05	7.58E-02	3.58E-02	3.70E-01	2.90E-01	2.18E+01	7.58E-01	1.83E-01	2.30E+01
3193	482863.09	3846877.25	3.27698	1.86618	7.9872	3.0306	2.50E-01	1.99E+01	8.83E-01	1.73E-01	2.12E+01	2.43E-01	8.41E-05	8.83E-02	3.39E-02	3.65E-01	2.72E-01	1.99E+01	8.83E-01	1.73E-01	2.12E+01
3194	483363.09	3846877.25	2.2974	1.55985	10.005	2.83481	1.75E-01	1.66E+01	1.11E+00	1.62E-01	1.81E+01	1.70E-01	7.03E-05	1.11E-01	3.17E-02	3.13E-01	1.91E-01	1.66E+01	1.11E+00	1.62E-01	1.81E+01
3195	483863.09	3846877.25	4.07096	1.34251	12.055	2.58041	3.10E-01	1.43E+01	1.33E+00	1.48E-01	1.61E+01	3.01E-01	6.05E-05	1.33E-01	2.89E-02	4.64E-01	3.38E-01	1.43E+01	1.33E+00	1.48E-01	1.61E+01
3196	484363.09	3846877.25	4.88467	0.90807	12.719	2.65391	3.72E-01	9.69E+00	1.41E+00	1.52E-01	1.16E+01	3.62E-01	4.09E-05	1.41E-01	2.97E-02	5.32E-01	4.06E-01	9.69E+00	1.41E+00	1.52E-01	1.17E+01
3197	484863.09	3846877.25	4.85108	1.71505	11.479	2.85776	3.70E-01	1.83E+01	1.27E+00	1.63E-01	2.01E+01	3.59E-01	7.73E-05	1.27E-01	3.20E-02	5.18E-01	4.03E-01	1.83E+01	1.27E+00	1.63E-01	2.01E+01
3198	485363.09	3846877.25	4.09508	2.19888	9.9112	2.32802	3.12E-01	2.35E+01	1.10E+00	1.33E-01	2.50E+01	3.03E-01	9.91E-05	1.10E-01	2.61E-02	4.39E-01	3.40E-01	2.35E+01	1.10E+00	1.33E-01	2.50E+01
3199	485863.09	3846877.25	2.21903	1.9625	7.655	1.95543	1.69E-01	2.09E+01	8.46E-01	1.12E-01	2.21E+01	1.64E-01	8.85E-05	8.46E-02	2.19E-02	2.71E-01	1.84E-01	2.09E+01	8.46E-01	1.12E-01	2.21E+01
3200	486363.09	3846877.25	1.90063	2.36252	8.0604	1.95257	1.45E-01	2.52E+01	8.91E-01	1.12E-01	2.64E+01	1.41E-01	1.06E-04	8.91E-02	2.19E-02	2.52E-01	1.58E-01	2.52E+01	8.91E-01	1.12E-01	2.64E+01
3201	486863.09	3846877.25	1.58878	2.32076	7.615	2.01464	1.21E-01	2.48E+01	8.42E-01	1.15E-01	2.58E+01	1.18E-01	1.05E-04	8.42E-02	2.26E-02	2.24E-01	1.32E-01	2.48E+01	8.42E-01	1.15E-01	2.59E+01
3202	487363.09	3846877.25	1.38011	1.05279	9.4655	2.08232	1.05E-01	1.12E+01	1.05E+00	1.19E-01	1.25E+01	1.02E-01	4.75E-05	1.05E-01	2.33E-02	2.30E-01	1.15E-01	1.12E+01	1.05E+00	1.19E-01	1.25E+01
3203	487863.09	3846877.25	1.06865	1.03844	10.53	2.1243	8.15E-02	1.11E+01	1.16E+00	1.21E-01	1.24E+01	7.91E-02	4.68E-05	1.16E-01	2.38E-02	2.19E-01	8.87E-02	1.11E+01	1.16E+00	1.21E-01	1.25E+01
3204	488363.09	3846877.25	1.1074	0.92337	15.439	2.67357	8.44E-02	9.85E+00	1.71E+00	1.53E-01	1.18E+01	8.20E-02	4.16E-05	1.71E-01	2.99E-02	2.83E-01	9.19E-02	9.85E+00	1.71E+00	1.53E-01	1.18E+01
3205	488863.09	3846877.25	1.10133	0.94375	18.822	2.94039	8.39E-02	1.01E+01	2.08E+00	1.68E-01	1.24E+01	8.15E-02	4.25E-05	2.08E-01	3.29E-02	3.23E-01	9.14E-02	1.01E+01	2.08E+00	1.68E-01	1.24E+01
3206	489363.09	3846877.25	1.13002	0.91148	15.509	2.70928	8.61E-02	9.73E+00	1.71E+00	1.55E-01	1.17E+01	8.37E-02	4.11E-05	1.71E-01	3.03E-02	2.85E-01	9.38E-02	9.73E+00	1.71E+00	1.55E-01	1.17E+01
3207	489863.09	3846877.25	1.05067	0.84412	12.469	1.98295	8.01E-02	9.01E+00	1.38E+00	1.13E-01	1.06E+01	7.78E-02	3.81E-05	1.38E-01	2.22E-02	2.38E-01	8.72E-02	9.01E+00	1.38E+00	1.13E-01	1.06E+01
3208	490363.09	3846877.25	1.02437	0.98566	10.063	1.48332	7.81E-02	1.05E+01	1.11E+00	8.48E-02	1.18E+01	7.58E-02	4.44E-05	1.11E-01	1.66E-02	2.04E-01	8.50E-02	1.05E+01	1.11E+00	8.48E-02	1.18E+01
3209	490863.09	3846877.25	1.14696	1.19212	9.5311	1.38674	8.74E-02	1.27E+01	1.05E+00	7.93E-02	1.39E+01	8.49E-02	5.37E-05	1.05E-01	1.55E-02	2.06E-01	9.52E-02	1.27E+01	1.05E+00	7.93E-02	1.40E+01
3210	491363.09	3846877.25	2.44659	1.38773	10.255	1.55419	1.86E-01	1.48E+01	1.13E+00	8.89E-02	1.62E+01	1.81E-01	6.26E-05	1.13E-01	1.74E-02	3.12E-01	2.03E-01	1.48E+01	1.13E+00	8.89E-02	1.62E+01
3211	491863.09	3846877.25	3.1781	1.42279	9.4206	1.61957	2.42E-01	1.52E+01	1.04E+00	9.26E-02	1.66E+01	2.35E-01	6.41E-05	1.04E-01	1.81E-02	3.58E-01	2.64E-01	1.52E+01	1.04E+00	9.26E-02	1.66E+01
3212	492363.09	3846877.25	3.35	1.27592	8.052	1.7647	2.55E-01	1.36E+01	8.90E-01	1.01E-01	1.49E+01	2.48E-01	5.75E-05	8.90E-02	1.98E-02	3.57E-01	2.78E-01	1.36E+01	8.90E-01	1.01E-01	1.49E+01
3213	492863.09	3846877.25	3.36248	1.04122	6.9503	1.45912	2.56E-01	1.11E+01	7.68E-01	8.34E-02	1.22E+01	2.49E-01	4.69E-05	7.68E-02	1.63E-02	3.42E-01	2.79E-01	1.11E+01	7.68E-01	8.34E-02	1.22E+01
3214	493363.09	3846877.25	3.35038	0.81578	6.4363	1.17487	2.55E-01	8.71E+00	7.12E-01	6.72E-02	9.74E+00	2.48E-01	3.68E-05	7.12E-02	1.32E-02	3.32E-01	2.78E-01	8.71E+00	7.12E-01	6.72E-02	9.76E+00
3215	493863.09	3846877.25	3.27131	0.64116	8.2228	1.25568	2.49E-01	6.84E+00	9.09E-01	7.18E-02	8.07E+00	2.42E-01	2.89E-05	9.09E-02	1.41E-02	3.47E-01	2.72E-01	6.84E+00	9.09E-01	7.18E-02	8.09E+00
3216	494363.09	3846877.25	2.87036	0.60804	9.0957	1.40723	2.19E-01	6.49E+00	1.01E+00	8.05E-02	7.79E+00	2.13E-01	2.74E-05	1.01E-01	1.58E-02	3.29E-01	2.38E-01	6.49E+00	1.01E+00	8.05E-02	7.81E+00
3217	494863.09	3846877.25	1.91497	0.81848	8.7187	1.507	1.46E-01	8.73E+00	9.64E-01	8.62E-02	9.93E+00	1.42E-01	3.69E-05	9.64E-02	1.69E-02	2.55E-01	1.59E-01	8.73E+00	9.64E-01	8.62E-02	9.94E+00
3218	495363.09	3846877.25	0.93992	1.20093	7.3324	1.52786	7.16E-02	1.28E+01	8.11E-01	8.74E-02	1.38E+01	6.96E-02	5.41E-05	8.11E-02	1.71E-02	1.68E-01	7.80E-02	1.28E+01	8.11E-01	8.74E-02	1.38E+01
3219	495863.09	3846877.25	1.05569	1.50948	9.1634	1.65761	8.05E-02	1.61E+01	1.01E+00	9.48E-02	1.73E+01	7.82E-02	6.80E-05	1.01E-01	1.86E-02	1.98E-01	8.76E-02	1.61E+01	1.01E+00	9.48E-02	1.73E+01
3220	496363.09	3846877.25	1.32647	1.56047	11.481	1.71277	1.01E-01	1.67E+01	1.27E+00	9.79E-02	1.81E+01	9.82E-02	7.03E-05	1.27E-01	1.92E-02	2.44E-01	1.10E-01	1.67E+01	1.27E+00	9.79E-02	1.81E+01
3221	496863.09	3846877.25	1.43834	1.49228	12.019	1.68921	1.10E-01	1.59E+01	1.33E+00	9.66E-02	1.75E+01	1.06E-01	6.73E-05	1.33E-01	1.89E-02	2.58E-01	1.19E-01	1.59E+01	1.33E+00	9.66E-02	1.75E+01
3222	497363.09	3846877.25	1.45953	1.63126	10.581	1.75371	1.11E-01	1.74E+01	1.17E+00	1.00E-01	1.88E+01	1.08E-01	7.35E-05	1.17E-01	1.96E-02	2.45E-01	1.21E-01	1.74E+01	1.17E+00	1.00E-01	1.88E+01
3223	497863.09	3846877.25	1.45992	1.91454	8.7007	1.84271	1.11E-01	2.04E+01	9.62E-01	1.05E-01	2.16E+01	1.08E-01	8.63E-05	9.62E-02	2.06E-02	2.25E-01	1.21E-01	2.04E+01	9.62E-01	1.05E-01	2.16E+01
3224	498363.09	3846877.25	1.45704	1.91144	9.7166	1.80586	1.11E-01	2.04E+01	1.07E+00	1.03E-01	2.17E+01	1.08E-01	8.62E-05	1.07E-01	2.02E-02	2.36E-01	1.21E-01	2.04E+01	1.07E+00	1.03E-01	2.17E+01
3225	471363.09	3847377.25	9.10372	4.64363	5.8163	3.13297	6.94E-01	4.96E+01	6.43E-01	1.79E-01	5.11E+01	6.74E-01	2.09E-04	6.43E-02	3.51E-02	7.74E-01	7.56E-01	4.96E+01	6.43E-01	1.79E-01	5.11E+01
3226	471863.09	3847377.25	10.2276	4.99105	6.0056	3.70046	7.80E-01	5.33E+01	6.64E-01	2.12E-01	5.49E+01	7.57E-01	2.25E-04	6.64E-02	4.14E-02	8.65E-01	8.49E-01	5.33E+01	6.64E-01	2.12E-01	5.50E+01
3227	472363.09	3847377.25	10.5684	4.88673	5.6326	4.18945	8.06E-01	5.21E+01	6.23E-01	2.40E-01	5.38E+01	7.82E-01	2.20E-04	6.23E-02	4.69E-02	8.92E-01	8.77E-01	5.22E+01	6.23E-01	2.40E-01	5.39E+01
3228	472863.09	3847377.25	8.13996	4.56898	6.8153	4.50885	6.20E-01	4.88E+01	7.54E-01	2.58E-01	5.04E+01	6.03E-01	2.06E-04	7.54E-02	5.05E-02	7.29E-01	6.76E-01	4.88E+01	7.54E-01	2.58E-01	5.04E+01
3229	473363.09	3847377.25	8.43077	4.22137	8.2318	4.58759	6.43E-01	4.50E+01	9.10E-01	2.62E-01	4.69E+01	6.24E-01	1.90E-04	9.10E-02	5.14E-02	7.67E-01	7.00E-01	4.50E+01	9.10E-01	2.62E-01	4.69E+01

3230	473863.09	3847377.25	7.73433	4.45948	9.6017	4.38568	5.90E-01	4.76E+01	1.06E+00	2.51E-01	4.95E+01	5.73E-01	2.01E-04	1.06E-01	4.91E-02	7.28E-01	6.42E-01	4.76E+01	1.06E+00	2.51E-01	4.95E+01
3231	474363.09	3847377.25	8.42504	3.30922	10.708	3.91742	6.42E-01	3.53E+01	1.18E+00	2.24E-01	3.74E+01	6.24E-01	1.49E-04	1.18E-01	4.39E-02	7.86E-01	6.99E-01	3.53E+01	1.18E+00	2.24E-01	3.74E+01
3232	474863.09	3847377.25	7.21276	2.09081	11.337	3.2547	5.50E-01	2.23E+01	1.25E+00	1.86E-01	2.43E+01	5.34E-01	9.43E-05	1.25E-01	3.64E-02	6.96E-01	5.99E-01	2.23E+01	1.25E+00	1.86E-01	2.44E+01
3233	475363.09	3847377.25	10.2031	2.78476	11.337	2.51926	7.78E-01	2.97E+01	1.25E+00	1.44E-01	3.19E+01	7.55E-01	1.26E-04	1.25E-01	2.82E-02	9.09E-01	8.47E-01	2.97E+01	1.25E+00	1.44E-01	3.20E+01
3234	475863.09	3847377.25	12.409	4.44212	10.662	2.59786	9.46E-01	4.74E+01	1.18E+00	1.49E-01	4.97E+01	9.19E-01	2.00E-04	1.18E-01	2.91E-02	1.07E+00	1.03E+00	4.74E+01	1.18E+00	1.49E-01	4.98E+01
3235	476363.09	3847377.25	12.9928	4.59161	9.3891	7.66039	9.90E-01	4.90E+01	1.04E+00	4.38E-01	5.15E+01	9.62E-01	2.07E-04	1.04E-01	8.58E-02	1.15E+00	1.08E+00	4.90E+01	1.04E+00	4.38E-01	5.16E+01
3236	476863.09	3847377.25	12.4867	3.02252	7.7082	9.27856	9.52E-01	3.23E+01	8.52E-01	5.31E-01	3.46E+01	9.24E-01	1.36E-04	8.52E-02	1.04E-01	1.11E+00	1.04E+00	3.23E+01	8.52E-01	5.31E-01	3.47E+01
3237	477363.09	3847377.25	12.9767	3.55847	5.9145	7.54854	9.89E-01	3.80E+01	6.54E-01	4.32E-01	4.00E+01	9.61E-01	1.60E-04	6.54E-02	8.45E-02	1.11E+00	1.08E+00	3.80E+01	6.54E-01	4.32E-01	4.01E+01
3238	477863.09	3847377.25	13.4985	4.35153	4.5552	5.0082	1.03E+00	4.64E+01	5.04E-01	2.86E-01	4.83E+01	9.99E-01	1.96E-04	5.04E-02	5.61E-02	1.11E+00	1.12E+00	4.64E+01	5.04E-01	2.86E-01	4.83E+01
3239	478363.09	3847377.25	10.3805	4.49487	14.19	4.41779	7.91E-01	4.80E+01	1.57E+00	2.53E-01	5.06E+01	7.69E-01	2.03E-04	1.57E-01	4.95E-02	9.75E-01	8.62E-01	4.80E+01	1.57E+00	2.53E-01	5.07E+01
3240	478863.09	3847377.25	7.98429	4.43552	40.063	11.78053	6.09E-01	4.73E+01	4.43E+00	6.74E-01	5.30E+01	5.91E-01	2.00E-04	4.43E-01	1.32E-01	1.17E+00	6.63E-01	4.73E+01	4.43E+00	6.74E-01	5.31E+01
3241	479363.09	3847377.25	8.21515	1.95482	28.533	3.88434	6.26E-01	2.09E+01	3.15E+00	2.22E-01	2.49E+01	6.08E-01	8.81E-05	3.15E-01	4.35E-02	9.67E-01	6.82E-01	2.09E+01	3.15E+00	2.22E-01	2.49E+01
3242	479863.09	3847377.25	8.2839	1.43257	6.5829	2.31695	6.31E-01	1.53E+01	7.28E-01	1.32E-01	1.68E+01	6.13E-01	6.46E-05	7.28E-02	2.59E-02	7.12E-01	6.88E-01	1.53E+01	7.28E-01	1.32E-01	1.68E+01
3243	480363.09	3847377.25	2.38735	1.25038	6.144	2.7737	1.82E-01	1.33E+01	6.79E-01	1.59E-01	1.44E+01	1.77E-01	5.64E-05	6.79E-02	3.10E-02	2.76E-01	1.98E-01	1.33E+01	6.79E-01	1.59E-01	1.44E+01
3244	480863.09	3847377.25	1.9498	1.33564	6.3041	3.23713	1.49E-01	1.43E+01	6.97E-01	1.85E-01	1.53E+01	1.44E-01	6.02E-05	6.97E-02	3.62E-02	2.50E-01	1.62E-01	1.43E+01	6.97E-01	1.85E-01	1.53E+01
3245	481363.09	3847377.25	1.96832	1.0726	5.6142	3.4587	1.50E-01	1.14E+01	6.21E-01	1.98E-01	1.24E+01	1.46E-01	4.84E-05	6.21E-02	3.87E-02	2.47E-01	1.63E-01	1.14E+01	6.21E-01	1.98E-01	1.24E+01
3246	481863.09	3847377.25	1.78373	1.03807	6.5842	3.45167	1.36E-01	1.11E+01	7.28E-01	1.97E-01	1.21E+01	1.32E-01	4.68E-05	7.28E-02	3.86E-02	2.44E-01	1.48E-01	1.11E+01	7.28E-01	1.97E-01	1.22E+01
3247	482363.09	3847377.25	3.29834	2.02842	7.094	3.30955	2.51E-01	2.16E+01	7.84E-01	1.89E-01	2.29E+01	2.44E-01	9.14E-05	7.84E-02	3.70E-02	3.60E-01	2.74E-01	2.16E+01	7.84E-01	1.89E-01	2.29E+01
3248	482863.09	3847377.25	3.54224	1.91682	7.3599	3.13646	2.70E-01	2.05E+01	8.14E-01	1.79E-01	2.17E+01	2.62E-01	8.64E-05	8.14E-02	3.51E-02	3.79E-01	2.94E-01	2.05E+01	8.14E-01	1.79E-01	2.17E+01
3249	483363.09	3847377.25	2.56672	1.59512	9.5872	2.95464	1.96E-01	1.70E+01	1.06E+00	1.69E-01	1.84E+01	1.90E-01	7.19E-05	1.06E-01	3.31E-02	3.29E-01	2.13E-01	1.70E+01	1.06E+00	1.69E-01	1.85E+01
3250	483863.09	3847377.25	3.80808	1.45266	11.745	2.72822	2.90E-01	1.55E+01	1.30E+00	1.56E-01	1.72E+01	2.82E-01	6.55E-05	1.30E-01	3.05E-02	4.42E-01	3.16E-01	1.55E+01	1.30E+00	1.56E-01	1.73E+01
3251	484363.09	3847377.25	4.88088	1.08505	16.056	2.68742	3.72E-01	1.16E+01	1.78E+00	1.54E-01	1.39E+01	3.61E-01	4.89E-05	1.78E-01	3.01E-02	5.69E-01	4.05E-01	1.16E+01	1.78E+00	1.54E-01	1.39E+01
3252	484863.09	3847377.25	4.86735	1.5895	16.52	2.8601	3.71E-01	1.70E+01	1.83E+00	1.64E-01	1.93E+01	3.60E-01	7.17E-05	1.83E-01	3.20E-02	5.75E-01	4.04E-01	1.70E+01	1.83E+00	1.64E-01	1.94E+01
3253	485363.09	3847377.25	4.33632	2.22031	10.448	2.26765	3.31E-01	2.37E+01	1.16E+00	1.30E-01	2.53E+01	3.21E-01	1.00E-04	1.16E-01	2.54E-02	4.62E-01	3.60E-01	2.37E+01	1.16E+00	1.30E-01	2.53E+01
3254	485863.09	3847377.25	2.24792	1.9614	8.4396	1.94722	1.71E-01	2.09E+01	9.33E-01	1.11E-01	2.21E+01	1.66E-01	8.84E-05	9.33E-02	2.18E-02	2.82E-01	1.87E-01	2.09E+01	9.33E-01	1.11E-01	2.22E+01
3255	486363.09	3847377.25	1.92607	2.29301	8.3288	1.95122	1.47E-01	2.45E+01	9.21E-01	1.12E-01	2.56E+01	1.43E-01	1.03E-04	9.21E-02	2.18E-02	2.57E-01	1.60E-01	2.45E+01	9.21E-01	1.12E-01	2.57E+01
3256	486863.09	3847377.25	1.58802	2.43381	7.7471	2.03464	1.21E-01	2.60E+01	8.57E-01	1.16E-01	2.71E+01	1.18E-01	1.10E-04	8.57E-02	2.28E-02	2.26E-01	1.32E-01	2.60E+01	8.57E-01	1.16E-01	2.71E+01
3257	487363.09	3847377.25	1.39444	1.21632	9.7599	2.12367	1.06E-01	1.30E+01	1.08E+00	1.21E-01	1.43E+01	1.03E-01	5.48E-05	1.08E-01	2.38E-02	2.35E-01	1.16E-01	1.30E+01	1.08E+00	1.21E-01	1.43E+01
3258	487863.09	3847377.25	1.19952	1.04802	10.929	2.17504	9.14E-02	1.12E+01	1.21E+00	1.24E-01	1.26E+01	8.88E-02	4.72E-05	1.21E-01	2.43E-02	2.34E-01	9.96E-02	1.12E+01	1.21E+00	1.24E-01	1.26E+01
3259	488363.09	3847377.25	1.21059	0.93583	16.131	2.7302	9.23E-02	9.99E+00	1.78E+00	1.56E-01	1.20E+01	8.96E-02	4.22E-05	1.78E-01	3.06E-02	2.99E-01	1.01E-01	9.99E+00	1.78E+00	1.56E-01	1.20E+01
3260	488863.09	3847377.25	1.18985	0.97959	19.365	2.99261	9.07E-02	1.05E+01	2.14E+00	1.71E-01	1.29E+01	8.81E-02	4.42E-05	2.14E-01	3.35E-02	3.36E-01	9.88E-02	1.05E+01	2.14E+00	1.71E-01	1.29E+01
3261	489363.09	3847377.25	1.1968	0.88373	15.308	2.7214	9.12E-02	9.43E+00	1.69E+00	1.56E-01	1.14E+01	8.86E-02	3.98E-05	1.69E-01	3.05E-02	2.88E-01	9.94E-02	9.43E+00	1.69E+00	1.56E-01	1.14E+01
3262	489863.09	3847377.25	1.00318	0.94931	12.478	1.93695	7.65E-02	1.01E+01	1.38E+00	1.11E-01	1.17E+01	7.43E-02	4.28E-05	1.38E-01	2.17E-02	2.34E-01	8.33E-02	1.01E+01	1.38E+00	1.11E-01	1.17E+01
3263	490363.09	3847377.25	1.05712	1.13953	10.392	1.7178	8.06E-02	1.22E+01	1.15E+00	9.82E-02	1.35E+01	7.83E-02	5.14E-05	1.15E-01	1.92E-02	2.12E-01	8.78E-02	1.22E+01	1.15E+00	9.82E-02	1.35E+01
3264	490863.09	3847377.25	2.20784	1.36157	10.76	1.97411	1.68E-01	1.45E+01	1.19E+00	1.13E-01	1.60E+01	1.63E-01	6.14E-05	1.19E-01	2.21E-02	3.05E-01	1.83E-01	1.45E+01	1.19E+00	1.13E-01	1.60E+01
3265	491363.09	3847377.25	3.11177	1.44114	11.987	1.85661	2.37E-01	1.54E+01	1.33E+00	1.06E-01	1.70E+01	2.30E-01	6.50E-05	1.33E-01	2.08E-02	3.84E-01	2.58E-01	1.54E+01	1.33E+00	1.06E-01	1.71E+01
3266	491863.09	3847377.25	3.34454	1.32549	10.344	1.90426	2.55E-01	1.41E+01	1.14E+00	1.09E-01	1.57E+01	2.48E-01	5.98E-05	1.14E-01	2.13E-02	3.83E-01	2.78E-01	1.41E+01	1.14E+00	1.09E-01	1.57E+01
3267	492363.09	3847377.25	3.36392	1.09382	7.5399	1.73055	2.56E-01	1.17E+01	8.34E-01	9.90E-02	1.29E+01	2.49E-01	4.93E-05	8.34E-02	1.94E-02	3.52E-01	2.79E-01	1.17E+01	8.34E-01	9.90E-02	1.29E+01
3268	492863.09	3847377.25	3.35567	0.86044	6.5628	1.36102	2.56E-01	9.18E+00	7.26E-01	7.78E-02	1.02E+01	2.48E-01	3.88E-05	7.26E-02	1.52E-02	3.36E-01	2.79E-01	9.18E+00	7.26E-01	7.78E-02	1.03E+01
3269	493363.09	3847377.25	3.31237	0.66718	7.7459	1.24236	2.52E-01	7.12E+00	8.56E-01	7.10E-02	8.30E+00	2.45E-01	3.01E-05	8.56E-02	1.39E-02	3.45E-01	2.75E-01	7.12E+00	8.56E-01	7.10E-02	8.32E+00
3270	493863.09	3847377.25	3.03124	0.58527	9.2104	1.36836	2.31E-01	6.25E+00	1.02E+00	7.82E-02	7.57E+00	2.24E-01	2.64E-05	1.02E-01	1.53E-02	3.42E-01	2.52E-01	6.25E+00	1.02E+00	7.82E-02	7.59E+00
3271	494363.09	3847377.25	2.17763	0.74046	9.3852	1.50322	1.66E-01	7.90E+00	1.04E+00	8.60E-02	9.19E+00	1.61E-01	3.34E-05	1.04E-01	1.68E-02	2.82E-01	1.81E-01	7.90E+00	1.04E+00	8.60E-02	9.21E+00
3272	494863.09	3847377.25	1.02166	1.11387	8.2676	1.62616	7.79E-02	1.19E+01	9.14E-01	9.30E-02	1.30E+01	7.56E-02	5.02E-05	9.14E-02	1.82E-02	1.85E-01	8.48E-02	1.19E+01	9.14E-01	9.30E-02	1.30E+01
3273	495363.09	3847377.25	1.15411	1.47374	8.6573	1.74816	8.80E-02	1.57E+01	9.57E-01	1.00E-01	1.69E+01	8.54E-02	6.64E-05	9.57E-02	1.96E-02	2.01E-01	9.58E-02	1.57E+01	9.57E-01	1.00E-01	1.69E+01
3274	495863.09	3847377.25	1.39117	1.58156	11.46	1.78285	1.06E-01	1.69E+01	1.27E+00	1.02E-01	1.84E+01	1.03E-01	7.13E-05	1.27E-01	2.00E-02	2.50E-01	1.15E-01	1.69E+01	1.27E+00	1.02E-01	1.84E+01
3275	496363.09	3847377.25	1.4537	1.49103	12.564	1.73244	1.11E-01	1.59E+01	1.39E+00	9.91E-02	1.75E+01	1.08E-01	6.72E-05	1.39E-01	1.94E-02	2.66E-01	1.21E-01	1.59E+01	1.39E+00	9.91E-02	1.75E+01
3276	496863.09	3847377.25	1.46088	1.56264	11.413	1.75131	1.11E-01	1.67E+01	1.26E+00	1.00E-01	1.81E+01	1.08E-01	7.04E-05	1.26E-01	1.96E-02	2.54E-01	1.21E-01	1.67E+01	1.26E+00	1.00E-01	1.82E+01
3277	497363.09	3847377.25	1.45944	1.87212	8.8163	1.87047	1.11E-01	2.00E+01	9.75E-01	1.07E-01	2.12E+01	1.08E-01	8.44E-05	9.75E-02	2.09E-02	2.27E-01	1.21E-01	2.00E+01	9.75E-01	1.07E-01	2.12E+01
3278	497863.09	3847377.25	1.45598	1.97545	9.9127	1.86862	1.11E-01	2.11E+01	1.10E+00	1.07E-01	2.24E+01	1.08E-01	8.91E-05	1.10E-01	2.09E-02	2.38E-01	1.21E-01	2.11E+01	1.10E+00	1.07E-01	2.24E+01
3279	498363.09	3847377.25	1.44428	1.62341	9.2579	1.70385	1.10E-01	1.73E+01	1.02E+00	9.74E-02	1.86E+01	1.07E-01	7.32E-05	1.02E-01	1.91E-02	2.28E-01	1.20E-01	1.73E+01	1.02E+00	9.74E-02	1.86E+01
3280	471363.09	3847877.25	9.47585	4.85302	7.3957	2.45016	7.22E-01	5.18E+01	8.18E-01	1.40E-01	5.35E+01	7.02E-01	2.19E-04	8.18E-02	2.74E-02	8.11E-01	7.87E-01	5.18E+01	8.18E-01	1.40E-01	5.35E+01
3281	471863.09	3847877.25	9.13002	5.18863	6.742	3.05027	6.96E-01	5.54E+01	7.45E-01	1.74E-01	5.70E+01	6.76E-01	2.34E-04	7.45E-02	3.41E-02	7.85E-01	7.58E-01	5.54E+01	7.45E-01	1.74E-01	5.70E+01
3282	472363.09	3847877.25	10.0719	5.09266	6.1776	3.66915	7.68E-01	5.43E+01	6.83E-01	2.10E-01	5.60E+01	7.46E-01	2.30E-04	6.83E-02	4.11E-02	8.55E-01	8.36E-01	5.43E+01	6.83E-01	2.10E-01	5.61E+01
3283	472863.09	3847877.25	10.39	5.06699	6.0997	4.23108	7.92E-01	5.41E+01	6.74E-01	2.42E-01	5.58E+01	7.69E-01	2.28E-04	6.74E-02	4.74E-02	8.84E-01	8.63E-01	5.41E+01	6.74E-01	2.42E-01	5.59E+01
3284	473363.09	3847877.25	10.5894	5.29482	6.5674	4.64062	8.07E-01	5.65E+01	7.26E-01	2.65E-01	5.83E+01	7.84E-01	2.39E-04	7.26E-02	5.19E-02	9.09E-01	8.79E-01	5.65E+01	7.26E-01	2.65E-01	5.84E+01
3285	473863.09	3847877.25	11.3662	6.25469	8.0862	4.79795	8.66E-01	6.67E+01	8.94E-01	2.74E-01	6.88E+01	8.41E-01	2.82E-04	8.94E-02	5.37E-02	9.85E-01	9.44E-01	6.67E+01	8.94E-01	2.74E-01	6.89E+01
3286	474363.09	3847877.25	9.23454	5.27522	9.5817	4.64083	7.04E-01	5.63E+01	1.06E+00	2.65E-01	5.83E+01	6.84E-01	2.38E-04	1.06E-01	5.20E-02	8.42E-01	7.67E-01	5.63E+01	1.06E+00	2.65E-01	5.84E+01
3287	474863.09	3847877.25	10.6628	4.07081	10.88	4.18267	8.13E-01	4.34E+01	1.20E+00	2.39E-01	4.57E+01	7.89E-01	1.84E-04	1.20E-01	4.68E-02	9.57E-01	8.85E-01	4.34E+01	1.20E+00	2.39E-01	4.58E+01
3288	475363.09	3847877.25	9.07804	2.38604	11.708	3.4879	6.92E-01	2.55E+01	1.29E+00	1.99E-01	2.76E+01	6.72E-01	1.08E-04	1.29E-01	3.90E-02	8.41E-01	7.54E-01	2.55E+01	1.29E+00	1.99E-01	2.77E+01
3289	475863.09	3847877.25	11.0616	3.04931	11.876	2.69462	8.43E-01	3.25E+01	1.31E+00	1.54E-01	3.49E+01	8.19E-01	1.37E-04	1.31E-01	3.02E-02	9.81E-01	9.18E-01	3.25E+01	1.31E+00	1.54E-01	3.49E+01
3290	476363.09	3847877.25	15.0684	5.43714	11.302	3.8139	1.15E+00	5.80E+01	1.25E+00	2.18E-01	6.06E+01	1.12E+00	2.45E-04	1.25E-01	4.27E-02	1.28E+00	1.25E+00	5.80E+01	1.25E+00	2.18E-01	6.07E+01

3291	476863.09	3847877.25	14.0719	4.79297	10.023	8.80346	1.07E+00	5.11E+01	1.11E+00	5.03E-01	5.38E+01	1.04E+00	2.16E-04	1.11E-01	9.85E-02	1.25E+00	1.17E+00	5.11E+01	1.11E+00	5.03E-01	5.39E+01
3292	477363.09	3847877.25	14.0657	3.33492	8.2567	10.46626	1.07E+00	3.56E+01	9.13E-01	5.98E-01	3.82E+01	1.04E+00	1.50E-04	9.13E-02	1.17E-01	1.25E+00	1.17E+00	3.56E+01	9.13E-01	5.98E-01	3.83E+01
3293	477863.09	3847877.25	14.3656	3.9587	6.3202	8.12038	1.09E+00	4.22E+01	6.99E-01	4.64E-01	4.45E+01	1.06E+00	1.78E-04	6.99E-02	9.09E-02	1.22E+00	1.19E+00	4.22E+01	6.99E-01	4.64E-01	4.46E+01
3294	478363.09	3847877.25	15.2285	4.45626	4.8386	5.60404	1.16E+00	4.76E+01	5.35E-01	3.20E-01	4.96E+01	1.13E+00	2.01E-04	5.35E-02	6.27E-02	1.24E+00	1.26E+00	4.76E+01	5.35E-01	3.20E-01	4.97E+01
3295	478863.09	3847877.25	11.6621	4.5227	23.616	12.94719	8.89E-01	4.83E+01	2.61E+00	7.40E-01	5.25E+01	8.63E-01	2.04E-04	2.61E-01	1.45E-01	1.27E+00	9.68E-01	4.83E+01	2.61E+00	7.40E-01	5.26E+01
3296	479363.09	3847877.25	5.86877	2.19328	25.775	4.69486	4.47E-01	2.34E+01	2.85E+00	2.68E-01	2.70E+01	4.34E-01	9.89E-05	2.85E-01	5.26E-02	7.72E-01	4.87E-01	2.34E+01	2.85E+00	2.68E-01	2.70E+01
3297	479863.09	3847877.25	4.5042	1.83317	7.4449	2.33737	3.43E-01	1.96E+01	8.23E-01	1.34E-01	2.09E+01	3.33E-01	8.26E-05	8.23E-02	2.62E-02	4.42E-01	3.74E-01	1.96E+01	8.23E-01	1.34E-01	2.09E+01
3298	480363.09	3847877.25	3.79458	1.2536	6.2415	2.63437	2.89E-01	1.34E+01	6.90E-01	1.51E-01	1.45E+01	2.81E-01	5.65E-05	6.90E-02	2.95E-02	3.79E-01	3.15E-01	1.34E+01	6.90E-01	1.51E-01	1.45E+01
3299	480863.09	3847877.25	1.80498	1.40166	6.566	3.2036	1.38E-01	1.50E+01	7.26E-01	1.83E-01	1.60E+01	1.34E-01	6.32E-05	7.26E-02	3.59E-02	2.42E-01	1.50E-01	1.50E+01	7.26E-01	1.83E-01	1.60E+01
3300	481363.09	3847877.25	2.13172	1.15681	6.2	3.51996	1.62E-01	1.23E+01	6.85E-01	2.01E-01	1.34E+01	1.58E-01	5.21E-05	6.85E-02	3.94E-02	2.66E-01	1.77E-01	1.23E+01	6.85E-01	2.01E-01	1.34E+01
3301	481863.09	3847877.25	2.40787	0.97049	6.2896	3.56675	1.84E-01	1.04E+01	6.95E-01	2.04E-01	1.14E+01	1.78E-01	4.37E-05	6.95E-02	3.99E-02	2.88E-01	2.00E-01	1.04E+01	6.95E-01	2.04E-01	1.15E+01
3302	482363.09	3847877.25	4.30723	2.00277	7.1526	3.42463	3.28E-01	2.14E+01	7.91E-01	1.96E-01	2.27E+01	3.19E-01	9.03E-05	7.91E-02	3.83E-02	4.36E-01	3.58E-01	2.14E+01	7.91E-01	1.96E-01	2.27E+01
3303	482863.09	3847877.25	3.67064	1.96261	7.3958	3.23863	2.80E-01	2.09E+01	8.18E-01	1.85E-01	2.22E+01	2.72E-01	8.85E-05	8.18E-02	3.63E-02	3.90E-01	3.05E-01	2.09E+01	8.18E-01	1.85E-01	2.23E+01
3304	483363.09	3847877.25	3.04186	1.60665	9.0159	3.06539	2.32E-01	1.71E+01	9.97E-01	1.75E-01	1.85E+01	2.25E-01	7.24E-05	9.97E-02	3.43E-02	3.59E-01	2.53E-01	1.71E+01	9.97E-01	1.75E-01	1.86E+01
3305	483863.09	3847877.25	3.47719	1.53401	11.296	2.94861	2.65E-01	1.64E+01	1.25E+00	1.69E-01	1.81E+01	2.57E-01	6.92E-05	1.25E-01	3.30E-02	4.15E-01	2.89E-01	1.64E+01	1.25E+00	1.69E-01	1.81E+01
3306	484363.09	3847877.25	4.87595	1.249	14.503	2.99066	3.72E-01	1.33E+01	1.60E+00	1.71E-01	1.55E+01	3.61E-01	5.63E-05	1.60E-01	3.35E-02	5.55E-01	4.05E-01	1.33E+01	1.60E+00	1.71E-01	1.55E+01
3307	484863.09	3847877.25	4.8774	1.45077	17.694	2.85182	3.72E-01	1.55E+01	1.96E+00	1.63E-01	1.80E+01	3.61E-01	6.54E-05	1.96E-01	3.19E-02	5.89E-01	4.05E-01	1.55E+01	1.96E+00	1.63E-01	1.80E+01
3308	485363.09	3847877.25	4.52891	2.22952	13.424	2.18152	3.45E-01	2.38E+01	1.48E+00	1.25E-01	2.57E+01	3.35E-01	1.01E-04	1.48E-01	2.44E-02	5.08E-01	3.76E-01	2.38E+01	1.48E+00	1.25E-01	2.58E+01
3309	485863.09	3847877.25	2.27543	1.97823	12.613	2.39675	1.73E-01	2.11E+01	1.39E+00	1.37E-01	2.28E+01	1.68E-01	8.92E-05	1.39E-01	2.68E-02	3.35E-01	1.89E-01	2.11E+01	1.39E+00	1.37E-01	2.28E+01
3310	486363.09	3847877.25	1.94965	2.21054	8.5553	2.15633	1.49E-01	2.36E+01	9.46E-01	1.23E-01	2.48E+01	1.44E-01	9.96E-05	9.46E-02	2.41E-02	2.63E-01	1.62E-01	2.36E+01	9.46E-01	1.23E-01	2.48E+01
3311	486863.09	3847877.25	1.58737	2.5245	7.9897	2.09134	1.21E-01	2.69E+01	8.83E-01	1.20E-01	2.81E+01	1.18E-01	1.14E-04	8.83E-02	2.34E-02	2.29E-01	1.32E-01	2.69E+01	8.83E-01	1.20E-01	2.81E+01
3312	487363.09	3847877.25	1.39633	1.39264	10.065	2.2035	1.06E-01	1.49E+01	1.11E+00	1.26E-01	1.62E+01	1.03E-01	6.28E-05	1.11E-01	2.47E-02	2.39E-01	1.16E-01	1.49E+01	1.11E+00	1.26E-01	1.62E+01
3313	487863.09	3847877.25	1.38598	1.05766	11.356	2.22342	1.06E-01	1.13E+01	1.26E+00	1.27E-01	1.28E+01	1.03E-01	4.77E-05	1.26E-01	2.49E-02	2.53E-01	1.15E-01	1.13E+01	1.26E+00	1.27E-01	1.28E+01
3314	488363.09	3847877.25	1.28709	0.94878	16.83	2.78063	9.81E-02	1.01E+01	1.86E+00	1.59E-01	1.22E+01	9.53E-02	4.28E-05	1.86E-01	3.11E-02	3.13E-01	1.07E-01	1.01E+01	1.86E+00	1.59E-01	1.23E+01
3315	488863.09	3847877.25	1.20172	1.01364	19.844	3.03963	9.16E-02	1.08E+01	2.19E+00	1.74E-01	1.33E+01	8.90E-02	4.57E-05	2.19E-01	3.40E-02	3.42E-01	9.98E-02	1.08E+01	2.19E+00	1.74E-01	1.33E+01
3316	489363.09	3847877.25	1.19468	0.92036	14.98	2.72636	9.11E-02	9.82E+00	1.66E+00	1.56E-01	1.17E+01	8.84E-02	4.15E-05	1.66E-01	3.05E-02	2.85E-01	9.92E-02	9.82E+00	1.66E+00	1.56E-01	1.17E+01
3317	489863.09	3847877.25	1.12766	1.08488	11.993	1.86821	8.60E-02	1.16E+01	1.33E+00	1.07E-01	1.31E+01	8.35E-02	4.89E-05	1.33E-01	2.09E-02	2.37E-01	9.36E-02	1.16E+01	1.33E+00	1.07E-01	1.31E+01
3318	490363.09	3847877.25	1.9222	1.32553	10.375	1.95367	1.47E-01	1.41E+01	1.15E+00	1.12E-01	1.56E+01	1.42E-01	5.98E-05	1.15E-01	2.19E-02	2.79E-01	1.60E-01	1.41E+01	1.15E+00	1.12E-01	1.56E+01
3319	490863.09	3847877.25	3.02134	1.45	11.849	2.03181	2.30E-01	1.55E+01	1.31E+00	1.16E-01	1.71E+01	2.24E-01	6.54E-05	1.31E-01	2.27E-02	3.77E-01	2.51E-01	1.55E+01	1.31E+00	1.16E-01	1.72E+01
3320	491363.09	3847877.25	3.33606	1.37193	12.217	1.93094	2.54E-01	1.46E+01	1.35E+00	1.10E-01	1.64E+01	2.47E-01	6.18E-05	1.35E-01	2.16E-02	4.04E-01	2.77E-01	1.46E+01	1.35E+00	1.10E-01	1.64E+01
3321	491863.09	3847877.25	3.36514	1.14825	9.6779	1.92512	2.56E-01	1.23E+01	1.07E+00	1.10E-01	1.37E+01	2.49E-01	5.18E-05	1.07E-01	2.16E-02	3.78E-01	2.79E-01	1.23E+01	1.07E+00	1.10E-01	1.37E+01
3322	492363.09	3847877.25	3.35878	0.90713	7.6307	1.67074	2.56E-01	9.68E+00	8.44E-01	9.55E-02	1.09E+01	2.49E-01	4.09E-05	8.44E-02	1.87E-02	3.52E-01	2.79E-01	9.68E+00	8.44E-01	9.55E-02	1.09E+01
3323	492863.09	3847877.25	3.33553	0.70101	7.0105	1.42423	2.54E-01	7.48E+00	7.75E-01	8.14E-02	8.59E+00	2.47E-01	3.16E-05	7.75E-02	1.59E-02	3.40E-01	2.77E-01	7.48E+00	7.75E-01	8.14E-02	8.61E+00
3324	493363.09	3847877.25	3.15659	0.57676	9.0337	1.31552	2.41E-01	6.16E+00	9.99E-01	7.52E-02	7.47E+00	2.34E-01	2.60E-05	9.99E-02	1.47E-02	3.48E-01	2.62E-01	6.16E+00	9.99E-01	7.52E-02	7.49E+00
3325	493863.09	3847877.25	2.43943	0.6708	9.8815	1.53633	1.86E-01	7.16E+00	1.09E+00	8.79E-02	8.52E+00	1.81E-01	3.02E-05	1.09E-01	1.72E-02	3.07E-01	2.03E-01	7.16E+00	1.09E+00	8.79E-02	8.54E+00
3326	494363.09	3847877.25	1.24397	1.01988	9.2042	1.72863	9.48E-02	1.09E+01	1.02E+00	9.88E-02	1.21E+01	9.21E-02	4.60E-05	1.02E-01	1.94E-02	2.13E-01	1.03E-01	1.09E+01	1.02E+00	9.88E-02	1.21E+01
3327	494863.09	3847877.25	1.27494	1.42139	7.4283	1.83737	9.72E-02	1.52E+01	8.21E-01	1.05E-01	1.62E+01	9.44E-02	6.41E-05	8.21E-02	2.06E-02	1.97E-01	1.06E-01	1.52E+01	8.21E-01	1.05E-01	1.62E+01
3328	495363.09	3847877.25	1.43143	1.59767	9.2746	1.76176	1.09E-01	1.70E+01	1.03E+00	1.01E-01	1.83E+01	1.06E-01	7.20E-05	1.03E-01	1.97E-02	2.28E-01	1.19E-01	1.70E+01	1.03E+00	1.01E-01	1.83E+01
3329	495863.09	3847877.25	1.46016	1.50755	10.484	1.26987	1.11E-01	1.61E+01	1.16E+00	7.26E-02	1.74E+01	1.08E-01	6.80E-05	1.16E-01	1.42E-02	2.38E-01	1.21E-01	1.61E+01	1.16E+00	7.26E-02	1.74E+01
3330	496363.09	3847877.25	1.46083	1.50144	10.313	1.61239	1.11E-01	1.60E+01	1.14E+00	9.22E-02	1.74E+01	1.08E-01	6.77E-05	1.14E-01	1.80E-02	2.40E-01	1.21E-01	1.60E+01	1.14E+00	9.22E-02	1.74E+01
3331	496863.09	3847877.25	1.45839	1.80681	9.6736	1.56907	1.11E-01	1.93E+01	1.07E+00	8.97E-02	2.06E+01	1.08E-01	8.14E-05	1.07E-01	1.76E-02	2.33E-01	1.21E-01	1.93E+01	1.07E+00	8.97E-02	2.06E+01
3332	497363.09	3847877.25	1.45452	2.01706	6.6592	1.93155	1.11E-01	2.15E+01	7.36E-01	1.10E-01	2.25E+01	1.08E-01	9.09E-05	7.36E-02	2.16E-02	2.03E-01	1.21E-01	2.15E+01	7.36E-01	1.10E-01	2.25E+01
3333	497863.09	3847877.25	1.43712	1.74748	9.6164	1.7952	1.10E-01	1.86E+01	1.06E+00	1.03E-01	1.99E+01	1.06E-01	7.88E-05	1.06E-01	2.01E-02	2.33E-01	1.19E-01	1.86E+01	1.06E+00	1.03E-01	1.99E+01
3334	498363.09	3847877.25	1.34061	1.17624	8.6917	1.50102	1.02E-01	1.26E+01	9.61E-01	8.58E-02	1.37E+01	9.92E-02	5.30E-05	9.61E-02	1.68E-02	2.12E-01	1.11E-01	1.26E+01	9.61E-01	8.58E-02	1.37E+01
3335	471363.09	3848377.25	9.31605	5.66702	6.6342	2.29527	7.10E-01	6.05E+01	7.33E-01	1.31E-01	6.21E+01	6.90E-01	2.55E-04	7.33E-02	2.57E-02	7.89E-01	7.73E-01	6.05E+01	7.33E-01	1.31E-01	6.21E+01
3336	471863.09	3848377.25	9.13239	4.78664	7.5169	2.32401	6.96E-01	5.11E+01	8.31E-01	1.33E-01	5.27E+01	6.76E-01	2.16E-04	8.31E-02	2.60E-02	7.85E-01	7.58E-01	5.11E+01	8.31E-01	1.33E-01	5.28E+01
3337	472363.09	3848377.25	10.3033	5.52092	7.4588	2.94492	7.85E-01	5.89E+01	8.25E-01	1.68E-01	6.07E+01	7.63E-01	2.49E-04	8.25E-02	3.30E-02	8.78E-01	8.55E-01	5.89E+01	8.25E-01	1.68E-01	6.08E+01
3338	472863.09	3848377.25	10.0081	5.42332	6.4231	3.61303	7.63E-01	5.79E+01	7.10E-01	2.07E-01	5.96E+01	7.41E-01	2.44E-04	7.10E-02	4.04E-02	8.53E-01	8.31E-01	5.79E+01	7.10E-01	2.07E-01	5.96E+01
3339	473363.09	3848377.25	11.3712	5.67586	6.4429	4.25045	8.67E-01	6.06E+01	7.12E-01	2.43E-01	6.24E+01	8.42E-01	2.56E-04	7.12E-02	4.76E-02	9.61E-01	9.44E-01	6.06E+01	7.12E-01	2.43E-01	6.25E+01
3340	473863.09	3848377.25	11.794	5.42451	6.2622	4.75301	8.99E-01	5.79E+01	6.92E-01	2.72E-01	5.98E+01	8.73E-01	2.45E-04	6.92E-02	5.32E-02	9.96E-01	9.79E-01	5.79E+01	6.92E-01	2.72E-01	5.98E+01
3341	474363.09	3848377.25	9.96803	6.61604	7.8667	5.00284	7.60E-01	7.06E+01	8.70E-01	2.86E-01	7.25E+01	7.38E-01	2.98E-04	8.70E-02	5.60E-02	8.81E-01	8.28E-01	7.06E+01	8.70E-01	2.86E-01	7.26E+01
3342	474863.09	3848377.25	11.4877	6.32697	9.5062	4.91121	8.76E-01	6.75E+01	1.05E+00	2.81E-01	6.97E+01	8.50E-01	2.85E-04	1.05E-01	5.50E-02	1.01E+00	9.54E-01	6.75E+01	1.05E+00	2.81E-01	6.98E+01
3343	475363.09	3848377.25	11.7978	5.38564	11.01	4.47436	8.99E-01	5.75E+01	1.22E+00	2.56E-01	5.98E+01	8.73E-01	2.43E-04	1.22E-01	5.01E-02	1.05E+00	9.79E-01	5.75E+01	1.22E+00	2.56E-01	5.99E+01
3344	475863.09	3848377.25	11.246	3.06318	12.06	3.74801	8.57E-01	3.27E+01	1.33E+00	2.14E-01	3.51E+01	8.33E-01	1.38E-04	1.33E-01	4.20E-02	1.01E+00	9.34E-01	3.27E+01	1.33E+00	2.14E-01	3.52E+01
3345	476363.09	3848377.25	11.5332	3.42334	12.427	2.88957	8.79E-01	3.65E+01	1.37E+00	1.65E-01	3.90E+01	8.54E-01	1.54E-04	1.37E-01	3.23E-02	1.02E+00	9.58E-01	3.65E+01	1.37E+00	1.65E-01	3.90E+01
3346	476863.09	3848377.25	16.9212	6.26595	11.982	4.60536	1.29E+00	6.69E+01	1.32E+00	2.63E-01	6.97E+01	1.25E+00	2.82E-04	1.32E-01	5.16E-02	1.44E+00	1.40E+00	6.69E+01	1.32E+00	2.63E-01	6.99E+01
3347	477363.09	3848377.25	14.9277	4.90055	10.712	9.79089	1.14E+00	5.23E+01	1.18E+00	5.60E-01	5.52E+01	1.11E+00	2.21E-04	1.18E-01	1.10E-01	1.33E+00	1.24E+00	5.23E+01	1.18E+00	5.60E-01	5.53E+01
3348	477863.09	3848377.25	15.6438	3.4358	8.8588	10.83769	1.19E+00	3.67E+01	9.79E-01	6.20E-01	3.95E+01	1.16E+00	1.55E-04	9.79E-02	1.21E-01	1.38E+00	1.30E+00	3.67E+01	9.79E-01	6.20E-01	3.96E+01
3349	478363.09	3848377.25	15.525	4.26281	6.7659	8.21558	1.18E+00	4.55E+01	7.48E-01	4.70E-01	4.79E+01	1.15E+00	1.92E-04	7.48E-02	9.20E-02	1.32E+00	1.29E+00	4.55E+01	7.48E-01	4.70E-01	4.80E+01
3350	478863.09	3848377.25	15.2493	4.49158	7.3892	8.62714	1.16E+00	4.79E+01	8.17E-01	4.93E-01	5.04E+01	1.13E+00	2.02E-04	8.17E-02	9.66E-02	1.31E+00	1.27E+00	4.79E+01	8.17E-01	4.93E-01	5.05E+01
3351	479363.09	3848377.25	7.2944	2.27278	18.615	6.56485	5.56E-01	2.43E+01	2.06E+00	3.75E-01	2.72E+01	5.40E-01	1.02E-04	2.06E-01	7.35E-02	8.19E-01	6.06E-01	2.43E+01	2.06E+00	3.75E-01	2.73E+01

3352	479863.09	3848377.25	3.60028	2.14346	7.7583	2.31152	2.74E-01	2.29E+01	8.58E-01	1.32E-01	2.41E+01	2.67E-01	9.66E-05	8.58E-02	2.59E-02	3.78E-01	2.99E-01	2.29E+01	8.58E-01	1.32E-01	2.42E+01
3353	480363.09	3848377.25	4.71374	1.68166	7.5466	2.45516	3.59E-01	1.79E+01	8.34E-01	1.40E-01	1.93E+01	3.49E-01	7.58E-05	8.34E-02	2.75E-02	4.60E-01	3.91E-01	1.79E+01	8.34E-01	1.40E-01	1.93E+01
3354	480863.09	3848377.25	6.47951	1.40932	6.5165	3.13802	4.94E-01	1.50E+01	7.20E-01	1.79E-01	1.64E+01	4.80E-01	6.35E-05	7.20E-02	3.51E-02	5.87E-01	5.38E-01	1.50E+01	7.20E-01	1.79E-01	1.65E+01
3355	481363.09	3848377.25	3.39716	1.2652	6.8918	3.5767	2.59E-01	1.35E+01	7.62E-01	2.05E-01	1.47E+01	2.52E-01	5.70E-05	7.62E-02	4.00E-02	3.68E-01	2.82E-01	1.35E+01	7.62E-01	2.05E-01	1.48E+01
3356	481863.09	3848377.25	3.48995	1.02057	5.9004	3.68374	2.66E-01	1.09E+01	6.52E-01	2.11E-01	1.20E+01	2.58E-01	4.60E-05	6.52E-02	4.12E-02	3.65E-01	2.90E-01	1.09E+01	6.52E-01	2.11E-01	1.20E+01
3357	482363.09	3848377.25	4.71901	1.95909	6.9914	3.55093	3.60E-01	2.09E+01	7.73E-01	2.03E-01	2.22E+01	3.49E-01	8.83E-05	7.73E-02	3.98E-02	4.67E-01	3.92E-01	2.09E+01	7.73E-01	2.03E-01	2.23E+01
3358	482863.09	3848377.25	5.38096	2.00296	7.6549	3.34517	4.10E-01	2.14E+01	8.46E-01	1.91E-01	2.28E+01	3.98E-01	9.03E-05	8.46E-02	3.74E-02	5.21E-01	4.47E-01	2.14E+01	8.46E-01	1.91E-01	2.29E+01
3359	483363.09	3848377.25	5.09156	1.59207	8.3061	3.16814	3.88E-01	1.70E+01	9.18E-01	1.81E-01	1.85E+01	3.77E-01	7.18E-05	9.18E-02	3.55E-02	5.04E-01	4.23E-01	1.70E+01	9.18E-01	1.81E-01	1.85E+01
3360	483863.09	3848377.25	3.07064	1.58859	10.89	2.99751	2.34E-01	1.70E+01	1.20E+00	1.71E-01	1.86E+01	2.27E-01	7.16E-05	1.20E-01	3.36E-02	3.81E-01	2.55E-01	1.70E+01	1.20E+00	1.71E-01	1.86E+01
3361	484363.09	3848377.25	4.86511	1.38731	13.207	3.10275	3.71E-01	1.48E+01	1.46E+00	1.77E-01	1.68E+01	3.60E-01	6.25E-05	1.46E-01	3.47E-02	5.41E-01	4.04E-01	1.48E+01	1.46E+00	1.77E-01	1.68E+01
3362	484863.09	3848377.25	4.88271	1.30413	17.941	2.82068	3.72E-01	1.39E+01	1.98E+00	1.61E-01	1.64E+01	3.61E-01	5.88E-05	1.98E-01	3.16E-02	5.91E-01	4.05E-01	1.39E+01	1.98E+00	1.61E-01	1.65E+01
3363	485363.09	3848377.25	4.67017	2.22288	15.106	2.13532	3.56E-01	2.37E+01	1.67E+00	1.22E-01	2.59E+01	3.46E-01	1.00E-04	1.67E-01	2.39E-02	5.37E-01	3.88E-01	2.37E+01	1.67E+00	1.22E-01	2.59E+01
3364	485863.09	3848377.25	2.46945	2.01149	13.6	2.42824	1.88E-01	2.15E+01	1.50E+00	1.39E-01	2.33E+01	1.83E-01	9.07E-05	1.50E-01	2.72E-02	3.60E-01	2.05E-01	2.15E+01	1.50E+00	1.39E-01	2.33E+01
3365	486363.09	3848377.25	1.97566	2.12061	8.728	2.14141	1.51E-01	2.26E+01	9.65E-01	1.22E-01	2.39E+01	1.46E-01	9.56E-05	9.65E-02	2.40E-02	2.67E-01	1.64E-01	2.26E+01	9.65E-01	1.22E-01	2.39E+01
3366	486863.09	3848377.25	1.58663	2.58928	8.5048	2.08005	1.21E-01	2.76E+01	9.40E-01	1.19E-01	2.88E+01	1.17E-01	1.17E-04	9.40E-02	2.33E-02	2.35E-01	1.32E-01	2.76E+01	9.40E-01	1.19E-01	2.88E+01
3367	487363.09	3848377.25	1.39719	1.57912	10.383	2.29988	1.06E-01	1.69E+01	1.15E+00	1.32E-01	1.82E+01	1.03E-01	7.12E-05	1.15E-01	2.57E-02	2.44E-01	1.16E-01	1.69E+01	1.15E+00	1.32E-01	1.82E+01
3368	487863.09	3848377.25	1.38562	1.06724	11.817	2.26623	1.06E-01	1.14E+01	1.31E+00	1.30E-01	1.29E+01	1.03E-01	4.81E-05	1.31E-01	2.54E-02	2.59E-01	1.15E-01	1.14E+01	1.31E+00	1.30E-01	1.29E+01
3369	488363.09	3848377.25	1.23648	0.96266	17.533	2.82397	9.42E-02	1.03E+01	1.94E+00	1.61E-01	1.25E+01	9.15E-02	4.34E-05	1.94E-01	3.16E-02	3.17E-01	1.03E-01	1.03E+01	1.94E+00	1.61E-01	1.25E+01
3370	488863.09	3848377.25	1.20547	1.04463	20.257	3.08273	9.19E-02	1.11E+01	2.24E+00	1.76E-01	1.37E+01	8.92E-02	4.71E-05	2.24E-01	3.45E-02	3.48E-01	1.00E-01	1.11E+01	2.24E+00	1.76E-01	1.37E+01
3371	489363.09	3848377.25	1.18709	1.03115	14.479	2.72008	9.05E-02	1.10E+01	1.60E+00	1.56E-01	1.29E+01	8.79E-02	4.65E-05	1.60E-01	3.04E-02	2.78E-01	9.86E-02	1.10E+01	1.60E+00	1.56E-01	1.29E+01
3372	489863.09	3848377.25	1.59244	1.28003	11.444	1.91653	1.21E-01	1.37E+01	1.27E+00	1.10E-01	1.52E+01	1.18E-01	5.77E-05	1.27E-01	2.15E-02	2.66E-01	1.32E-01	1.37E+01	1.27E+00	1.10E-01	1.52E+01
3373	490363.09	3848377.25	2.89722	1.44841	10.282	2.07654	2.21E-01	1.55E+01	1.14E+00	1.19E-01	1.69E+01	2.14E-01	6.53E-05	1.14E-01	2.32E-02	3.51E-01	2.41E-01	1.55E+01	1.14E+00	1.19E-01	1.70E+01
3374	490863.09	3848377.25	3.32335	1.41338	12.827	1.91514	2.53E-01	1.51E+01	1.42E+00	1.10E-01	1.69E+01	2.46E-01	6.37E-05	1.42E-01	2.14E-02	4.09E-01	2.76E-01	1.51E+01	1.42E+00	1.10E-01	1.69E+01
3375	491363.09	3848377.25	3.36637	1.20447	12.12	1.99997	2.57E-01	1.29E+01	1.34E+00	1.14E-01	1.46E+01	2.49E-01	5.43E-05	1.34E-01	2.24E-02	4.06E-01	2.79E-01	1.29E+01	1.34E+00	1.14E-01	1.46E+01
3376	491863.09	3848377.25	3.36086	0.95538	8.7725	1.9244	2.56E-01	1.02E+01	9.70E-01	1.10E-01	1.15E+01	2.49E-01	4.31E-05	9.70E-02	2.15E-02	3.67E-01	2.79E-01	1.02E+01	9.70E-01	1.10E-01	1.16E+01
3377	492363.09	3848377.25	3.34762	0.7405	7.3243	1.58397	2.55E-01	7.90E+00	8.10E-01	9.06E-02	9.06E+00	2.48E-01	3.34E-05	8.10E-02	1.77E-02	3.47E-01	2.78E-01	7.90E+00	8.10E-01	9.06E-02	9.08E+00
3378	492863.09	3848377.25	3.24544	0.58234	8.5251	1.38611	2.47E-01	6.21E+00	9.43E-01	7.93E-02	7.48E+00	2.40E-01	2.63E-05	9.43E-02	1.55E-02	3.50E-01	2.69E-01	6.21E+00	9.43E-01	7.93E-02	7.51E+00
3379	493363.09	3848377.25	2.68684	0.61269	10.116	1.64323	2.05E-01	6.54E+00	1.12E+00	9.40E-02	7.96E+00	1.99E-01	2.76E-05	1.12E-01	1.84E-02	3.29E-01	2.23E-01	6.54E+00	1.12E+00	9.40E-02	7.97E+00
3380	493863.09	3848377.25	1.50018	0.92254	10.072	1.59603	1.14E-01	9.85E+00	1.11E+00	9.13E-02	1.12E+01	1.11E-01	4.16E-05	1.11E-01	1.79E-02	2.40E-01	1.25E-01	9.85E+00	1.11E+00	9.13E-02	1.12E+01
3381	494363.09	3848377.25	1.36455	1.3526	8.5274	1.6472	1.04E-01	1.44E+01	9.43E-01	9.42E-02	1.56E+01	1.01E-01	6.10E-05	9.43E-02	1.84E-02	2.14E-01	1.13E-01	1.44E+01	9.43E-01	9.42E-02	1.56E+01
3382	494863.09	3848377.25	1.45208	1.60271	8.7653	1.58998	1.11E-01	1.71E+01	9.69E-01	9.09E-02	1.83E+01	1.08E-01	7.22E-05	9.69E-02	1.78E-02	2.22E-01	1.21E-01	1.71E+01	9.69E-01	9.09E-02	1.83E+01
3383	495363.09	3848377.25	1.46194	1.53907	10.701	1.40568	1.11E-01	1.64E+01	1.18E+00	8.04E-02	1.78E+01	1.08E-01	6.94E-05	1.18E-01	1.57E-02	2.42E-01	1.21E-01	1.64E+01	1.18E+00	8.04E-02	1.78E+01
3384	495863.09	3848377.25	1.46013	1.45594	10.519	1.32024	1.11E-01	1.55E+01	1.16E+00	7.55E-02	1.69E+01	1.08E-01	6.56E-05	1.16E-01	1.48E-02	2.39E-01	1.21E-01	1.55E+01	1.16E+00	7.55E-02	1.69E+01
3385	496363.09	3848377.25	1.45748	1.72252	8.5454	1.51008	1.11E-01	1.84E+01	9.45E-01	8.64E-02	1.95E+01	1.08E-01	7.76E-05	9.45E-02	1.69E-02	2.19E-01	1.21E-01	1.84E+01	9.45E-01	8.64E-02	1.95E+01
3386	496863.09	3848377.25	1.453	2.03153	6.5304	1.58735	1.11E-01	2.17E+01	7.22E-01	9.08E-02	2.26E+01	1.08E-01	9.16E-05	7.22E-02	1.78E-02	1.98E-01	1.21E-01	2.17E+01	7.22E-01	9.08E-02	2.26E+01
3387	497363.09	3848377.25	1.42564	1.86519	7.5355	1.57062	1.09E-01	1.99E+01	8.33E-01	8.98E-02	2.09E+01	1.06E-01	8.41E-05	8.33E-02	1.76E-02	2.07E-01	1.18E-01	1.99E+01	8.33E-01	8.98E-02	2.09E+01
3388	497863.09	3848377.25	1.28563	1.30934	9.0334	1.60597	9.80E-02	1.40E+01	9.99E-01	9.18E-02	1.52E+01	9.52E-02	5.90E-05	9.99E-02	1.80E-02	2.13E-01	1.07E-01	1.40E+01	9.99E-01	9.18E-02	1.52E+01
3389	498363.09	3848377.25	1.10621	0.72989	8.7695	1.74596	8.43E-02	7.79E+00	9.70E-01	9.98E-02	8.94E+00	8.19E-02	3.29E-05	9.70E-02	1.95E-02	1.98E-01	9.18E-02	7.79E+00	9.70E-01	9.98E-02	8.95E+00
3390	471363.09	3848877.25	6.14957	5.81032	5.0538	2.4514	4.69E-01	6.20E+01	5.59E-01	1.40E-01	6.32E+01	4.55E-01	2.62E-04	5.59E-02	2.74E-02	5.39E-01	5.11E-01	6.20E+01	5.59E-01	1.40E-01	6.32E+01
3391	471863.09	3848877.25	9.0488	5.81703	5.7727	2.27908	6.90E-01	6.21E+01	6.38E-01	1.30E-01	6.35E+01	6.70E-01	2.62E-04	6.38E-02	2.55E-02	7.60E-01	7.51E-01	6.21E+01	6.38E-01	1.30E-01	6.36E+01
3392	472363.09	3848877.25	9.82364	5.91539	7.1785	2.39543	7.49E-01	6.31E+01	7.94E-01	1.37E-01	6.48E+01	7.27E-01	2.67E-04	7.94E-02	2.68E-02	8.34E-01	8.16E-01	6.31E+01	7.94E-01	1.37E-01	6.49E+01
3393	472863.09	3848877.25	9.65445	5.66939	7.828	2.81995	7.36E-01	6.05E+01	8.65E-01	1.61E-01	6.23E+01	7.15E-01	2.56E-04	8.65E-02	3.16E-02	8.33E-01	8.02E-01	6.05E+01	8.65E-01	1.61E-01	6.23E+01
3394	473363.09	3848877.25	10.7001	5.8304	7.3968	3.53167	8.16E-01	6.22E+01	8.18E-01	2.02E-01	6.41E+01	7.92E-01	2.63E-04	8.18E-02	3.95E-02	9.14E-01	8.88E-01	6.22E+01	8.18E-01	2.02E-01	6.41E+01
3395	473863.09	3848877.25	10.5972	6.11495	6.6123	4.24438	8.08E-01	6.53E+01	7.31E-01	2.43E-01	6.70E+01	7.85E-01	2.76E-04	7.31E-02	4.75E-02	9.05E-01	8.80E-01	6.53E+01	7.31E-01	2.43E-01	6.71E+01
3396	474363.09	3848877.25	11.6331	6.15061	6.574	4.84853	8.87E-01	6.56E+01	7.27E-01	2.77E-01	6.75E+01	8.61E-01	2.77E-04	7.27E-02	5.43E-02	9.88E-01	9.66E-01	6.56E+01	7.27E-01	2.77E-01	6.76E+01
3397	474863.09	3848877.25	12.8549	6.36287	7.5801	5.20202	9.80E-01	6.79E+01	8.38E-01	2.97E-01	7.00E+01	9.52E-01	2.87E-04	8.38E-02	5.82E-02	1.09E+00	1.07E+00	6.79E+01	8.38E-01	2.97E-01	7.01E+01
3398	475363.09	3848877.25	13.5638	7.87688	9.3735	5.19745	1.03E+00	8.41E+01	1.04E+00	2.97E-01	8.64E+01	1.00E+00	3.55E-04	1.04E-01	5.82E-02	1.17E+00	1.13E+00	8.41E+01	1.04E+00	2.97E-01	8.65E+01
3399	475863.09	3848877.25	12.6244	6.60266	11.082	4.79136	9.62E-01	7.05E+01	1.23E+00	2.74E-01	7.29E+01	9.35E-01	2.98E-04	1.23E-01	5.36E-02	1.11E+00	1.05E+00	7.05E+01	1.23E+00	2.74E-01	7.30E+01
3400	476363.09	3848877.25	12.3999	4.27538	12.385	4.03916	9.45E-01	4.56E+01	1.37E+00	2.31E-01	4.82E+01	9.18E-01	1.93E-04	1.37E-01	4.52E-02	1.10E+00	1.03E+00	4.56E+01	1.37E+00	2.31E-01	4.83E+01
3401	476863.09	3848877.25	12.8772	4.6513	12.991	3.11176	9.82E-01	4.96E+01	1.44E+00	1.78E-01	5.22E+01	9.53E-01	2.10E-04	1.44E-01	3.48E-02	1.13E+00	1.07E+00	4.96E+01	1.44E+00	1.78E-01	5.23E+01
3402	477363.09	3848877.25	17.7718	7.20617	12.707	4.82246	1.35E+00	7.69E+01	1.40E+00	2.76E-01	7.99E+01	1.32E+00	3.25E-04	1.40E-01	5.40E-02	1.51E+00	1.48E+00	7.69E+01	1.40E+00	2.76E-01	8.01E+01
3403	477863.09	3848877.25	16.0326	5.29428	11.472	10.30397	1.22E+00	5.65E+01	1.27E+00	5.89E-01	5.96E+01	1.19E+00	2.39E-04	1.27E-01	1.15E-01	1.43E+00	1.33E+00	5.65E+01	1.27E+00	5.89E-01	5.97E+01
3404	478363.09	3848877.25	17.6662	3.6717	9.5299	10.82576	1.35E+00	3.92E+01	1.05E+00	6.19E-01	4.22E+01	1.31E+00	1.66E-04	1.05E-01	1.21E-01	1.53E+00	1.47E+00	3.92E+01	1.05E+00	6.19E-01	4.23E+01
3405	478863.09	3848877.25	17.2698	4.4423	7.2608	10.93899	1.32E+00	4.74E+01	8.03E-01	6.26E-01	5.02E+01	1.28E+00	2.00E-04	8.03E-02	1.22E-01	1.48E+00	1.43E+00	4.74E+01	8.03E-01	6.26E-01	5.03E+01
3406	479363.09	3848877.25	14.4877	4.5046	8.6724	12.53217	1.10E+00	4.81E+01	9.59E-01	7.17E-01	5.09E+01	1.07E+00	2.03E-04	9.59E-02	1.40E-01	1.31E+00	1.20E+00	4.81E+01	9.59E-01	7.17E-01	5.10E+01
3407	479863.09	3848877.25	7.14215	2.28695	23.9	7.61951	5.44E-01	2.44E+01	2.64E+00	4.36E-01	2.80E+01	5.29E-01	1.03E-04	2.64E-01	8.53E-02	8.78E-01	5.93E-01	2.44E+01	2.64E+00	4.36E-01	2.81E+01
3408	480363.09	3848877.25	8.66706	2.05854	42.811	4.53848	6.61E-01	2.20E+01	4.73E+00	2.60E-01	2.76E+01	6.42E-01	9.28E-05	4.73E-01	5.08E-02	1.17E+00	7.20E-01	2.20E+01	4.73E+00	2.60E-01	2.77E+01
3409	480863.09	3848877.25	9.32146	2.00123	31.578	3.41233	7.10E-01	2.14E+01	3.49E+00	1.95E-01	2.58E+01	6.90E-01	9.02E-05	3.49E-01	3.82E-02	1.08E+00	7.74E-01	2.14E+01	3.49E+00	1.95E-01	2.58E+01
3410	481363.09	3848877.25	6.84517	1.38115	6.7638	4.22834	5.22E-01	1.47E+01	7.48E-01	2.42E-01	1.63E+01	5.07E-01	6.23E-05	7.48E-02	4.73E-02	6.29E-01	5.68E-01	1.47E+01	7.48E-01	2.42E-01	1.63E+01
3411	481863.09	3848877.25	4.01698	1.0922	7.0321	3.80036	3.06E-01	1.17E+01	7.77E-01	2.17E-01	1.30E+01	2.97E-01	4.92E-05	7.77E-02	4.25E-02	4.18E-01	3.33E-01	1.17E+01	7.77E-01	2.17E-01	1.30E+01
3412	482363.09	3848877.25	2.6233	1.89306	6.6016	3.68479	2.00E-01	2.02E+01	7.30E-01	2.11E-01	2.13E+01	1.94E-01	8.53E-05	7.30E-02	4.12E-02	3.09E-01	2.18E-01	2.02E+01	7.30E-01	2.11E-01	2.14E+01

3413	482863.09	3848877.25	3.42866	2.03752	7.6922	3.44577	2.61E-01	2.17E+01	8.50E-01	1.97E-01	2.31E+01	2.54E-01	9.18E-05	8.50E-02	3.86E-02	3.78E-01	2.85E-01	2.17E+01	8.50E-01	1.97E-01	2.31E+01
3414	483363.09	3848877.25	3.69241	1.63801	8.0436	3.25006	2.81E-01	1.75E+01	8.89E-01	1.86E-01	1.88E+01	2.73E-01	7.38E-05	8.89E-02	3.64E-02	3.99E-01	3.07E-01	1.75E+01	8.89E-01	1.86E-01	1.89E+01
3415	483863.09	3848877.25	2.68894	1.62125	10.255	3.10501	2.05E-01	1.73E+01	1.13E+00	1.78E-01	1.88E+01	1.99E-01	7.31E-05	1.13E-01	3.48E-02	3.47E-01	2.23E-01	1.73E+01	1.13E+00	1.78E-01	1.88E+01
3416	484363.09	3848877.25	4.84818	1.49235	12.846	3.12201	3.70E-01	1.59E+01	1.42E+00	1.79E-01	1.79E+01	3.59E-01	6.73E-05	1.42E-01	3.49E-02	5.36E-01	4.03E-01	1.59E+01	1.42E+00	1.79E-01	1.79E+01
3417	484863.09	3848877.25	4.88602	1.15739	17.09	2.88598	3.72E-01	1.24E+01	1.89E+00	1.65E-01	1.48E+01	3.62E-01	5.22E-05	1.89E-01	3.23E-02	5.83E-01	4.06E-01	1.24E+01	1.89E+00	1.65E-01	1.48E+01
3418	485363.09	3848877.25	4.7663	2.19602	17.344	2.42074	3.63E-01	2.34E+01	1.92E+00	1.38E-01	2.59E+01	3.53E-01	9.90E-05	1.92E-01	2.71E-02	5.72E-01	3.96E-01	2.34E+01	1.92E+00	1.38E-01	2.59E+01
3419	485863.09	3848877.25	2.89773	2.05898	14.654	2.41861	2.21E-01	2.20E+01	1.62E+00	1.38E-01	2.40E+01	2.15E-01	9.28E-05	1.62E-01	2.71E-02	4.04E-01	2.41E-01	2.20E+01	1.62E+00	1.38E-01	2.40E+01
3420	486363.09	3848877.25	2.00169	2.03043	9.4517	2.24728	1.53E-01	2.17E+01	1.04E+00	1.29E-01	2.30E+01	1.48E-01	9.15E-05	1.04E-01	2.52E-02	2.78E-01	1.66E-01	2.17E+01	1.04E+00	1.29E-01	2.30E+01
3421	486863.09	3848877.25	1.87254	2.625	9.028	2.26323	1.43E-01	2.80E+01	9.98E-01	1.29E-01	2.93E+01	1.39E-01	1.18E-04	9.98E-02	2.53E-02	2.64E-01	1.55E-01	2.80E+01	9.98E-01	1.29E-01	2.93E+01
3422	487363.09	3848877.25	2.20954	1.77145	10.717	2.31249	1.68E-01	1.89E+01	1.18E+00	1.32E-01	2.04E+01	1.64E-01	7.99E-05	1.18E-01	2.59E-02	3.08E-01	1.83E-01	1.89E+01	1.18E+00	1.32E-01	2.04E+01
3423	487863.09	3848877.25	1.38341	1.07697	12.314	2.31695	1.05E-01	1.15E+01	1.36E+00	1.32E-01	1.31E+01	1.02E-01	4.85E-05	1.36E-01	2.59E-02	2.65E-01	1.15E-01	1.15E+01	1.36E+00	1.32E-01	1.31E+01
3424	488363.09	3848877.25	1.32697	0.97768	18.219	2.8575	1.01E-01	1.04E+01	2.01E+00	1.63E-01	1.27E+01	9.82E-02	4.41E-05	2.01E-01	3.20E-02	3.32E-01	1.10E-01	1.04E+01	2.01E+00	1.63E-01	1.27E+01
3425	488863.09	3848877.25	1.95874	1.0714	20.581	3.12163	1.49E-01	1.14E+01	2.28E+00	1.79E-01	1.40E+01	1.45E-01	4.83E-05	2.28E-01	3.49E-02	4.08E-01	1.63E-01	1.14E+01	2.28E+00	1.79E-01	1.41E+01
3426	489363.09	3848877.25	2.12252	1.22594	13.82	2.70431	1.62E-01	1.31E+01	1.53E+00	1.55E-01	1.49E+01	1.57E-01	5.53E-05	1.53E-01	3.03E-02	3.40E-01	1.76E-01	1.31E+01	1.53E+00	1.55E-01	1.49E+01
3427	489863.09	3848877.25	2.72833	1.43594	17.37	2.1043	2.08E-01	1.53E+01	1.92E+00	1.20E-01	1.76E+01	2.02E-01	6.47E-05	1.92E-01	2.36E-02	4.18E-01	2.27E-01	1.53E+01	1.92E+00	1.20E-01	1.76E+01
3428	490363.09	3848877.25	3.30445	1.44768	11.9	2.01101	2.52E-01	1.54E+01	1.32E+00	1.15E-01	1.71E+01	2.45E-01	6.53E-05	1.32E-01	2.25E-02	3.99E-01	2.74E-01	1.54E+01	1.32E+00	1.15E-01	1.72E+01
3429	490863.09	3848877.25	3.3674	1.262	13.579	1.95509	2.57E-01	1.35E+01	1.50E+00	1.12E-01	1.53E+01	2.49E-01	5.69E-05	1.50E-01	2.19E-02	4.21E-01	2.80E-01	1.35E+01	1.50E+00	1.12E-01	1.54E+01
3430	491363.09	3848877.25	3.36266	1.00537	11.647	2.05881	2.56E-01	1.07E+01	1.29E+00	1.18E-01	1.24E+01	2.49E-01	4.53E-05	1.29E-01	2.30E-02	4.01E-01	2.79E-01	1.07E+01	1.29E+00	1.18E-01	1.24E+01
3431	491863.09	3848877.25	3.35325	0.78345	8.3861	1.89603	2.56E-01	8.36E+00	9.27E-01	1.08E-01	9.65E+00	2.48E-01	3.53E-05	9.27E-02	2.12E-02	3.62E-01	2.78E-01	8.36E+00	9.27E-01	1.08E-01	9.67E+00
3432	492363.09	3848877.25	3.30108	0.60083	7.6841	1.48118	2.52E-01	6.41E+00	8.50E-01	8.47E-02	7.60E+00	2.44E-01	2.71E-05	8.50E-02	1.66E-02	3.46E-01	2.74E-01	6.41E+00	8.50E-01	8.47E-02	7.62E+00
3433	492863.09	3848877.25	2.90533	0.56884	9.9983	1.75824	2.21E-01	6.07E+00	1.11E+00	1.01E-01	7.50E+00	2.15E-01	2.56E-05	1.11E-01	1.97E-02	3.45E-01	2.41E-01	6.07E+00	1.11E+00	1.01E-01	7.52E+00
3434	493363.09	3848877.25	1.78676	0.82565	10.773	1.55945	1.36E-01	8.81E+00	1.19E+00	8.92E-02	1.02E+01	1.32E-01	3.72E-05	1.19E-01	1.75E-02	2.69E-01	1.48E-01	8.81E+00	1.19E+00	8.92E-02	1.02E+01
3435	493863.09	3848877.25	1.42095	1.26869	9.6782	1.67341	1.08E-01	1.35E+01	1.07E+00	9.57E-02	1.48E+01	1.05E-01	5.72E-05	1.07E-01	1.87E-02	2.31E-01	1.18E-01	1.35E+01	1.07E+00	9.57E-02	1.48E+01
3436	494363.09	3848877.25	1.4607	1.59178	7.8744	1.6765	1.11E-01	1.70E+01	8.71E-01	9.59E-02	1.81E+01	1.08E-01	7.18E-05	8.71E-02	1.88E-02	2.14E-01	1.21E-01	1.70E+01	8.71E-01	9.59E-02	1.81E+01
3437	494863.09	3848877.25	1.46181	1.58026	10.854	1.53941	1.11E-01	1.69E+01	1.20E+00	8.80E-02	1.83E+01	1.08E-01	7.12E-05	1.20E-01	1.72E-02	2.46E-01	1.21E-01	1.69E+01	1.20E+00	8.80E-02	1.83E+01
3438	495363.09	3848877.25	1.45934	1.43299	11.381	1.32127	1.11E-01	1.53E+01	1.26E+00	7.56E-02	1.67E+01	1.08E-01	6.46E-05	1.26E-01	1.48E-02	2.49E-01	1.21E-01	1.53E+01	1.26E+00	7.56E-02	1.67E+01
3439	495863.09	3848877.25	1.4565	1.62627	8.9521	1.42843	1.11E-01	1.74E+01	9.90E-01	8.17E-02	1.85E+01	1.08E-01	7.33E-05	9.90E-02	1.60E-02	2.23E-01	1.21E-01	1.74E+01	9.90E-01	8.17E-02	1.85E+01
3440	496363.09	3848877.25	1.45048	2.01464	6.7325	1.56452	1.11E-01	2.15E+01	7.44E-01	8.95E-02	2.24E+01	1.07E-01	9.08E-05	7.44E-02	1.75E-02	1.99E-01	1.20E-01	2.15E+01	7.44E-01	8.95E-02	2.25E+01
3441	496863.09	3848877.25	1.40765	1.97178	7.855	1.61194	1.07E-01	2.10E+01	8.68E-01	9.22E-02	2.21E+01	1.04E-01	8.89E-05	8.68E-02	1.80E-02	2.09E-01	1.17E-01	2.10E+01	8.68E-01	9.22E-02	2.21E+01
3442	497363.09	3848877.25	1.20808	1.44831	9.3932	1.72342	9.21E-02	1.55E+01	1.04E+00	9.86E-02	1.67E+01	8.94E-02	6.53E-05	1.04E-01	1.93E-02	2.13E-01	1.00E-01	1.55E+01	1.04E+00	9.86E-02	1.67E+01
3443	497863.09	3848877.25	1.34255	0.83829	9.0651	1.96086	1.02E-01	8.95E+00	1.00E+00	1.12E-01	1.02E+01	9.94E-02	3.78E-05	1.00E-01	2.20E-02	2.22E-01	1.11E-01	8.95E+00	1.00E+00	1.12E-01	1.02E+01
3444	498363.09	3848877.25	1.88106	0.72247	7.665	2.05638	1.43E-01	7.71E+00	8.47E-01	1.18E-01	8.82E+00	1.39E-01	3.26E-05	8.47E-02	2.30E-02	2.47E-01	1.56E-01	7.71E+00	8.47E-01	1.18E-01	8.83E+00
3445	471363.09	3849377.25	8.09948	5.40544	5.4183	2.24574	6.17E-01	5.77E+01	5.99E-01	1.28E-01	5.90E+01	6.00E-01	2.44E-04	5.99E-02	2.51E-02	6.85E-01	6.72E-01	5.77E+01	5.99E-01	1.28E-01	5.91E+01
3446	471863.09	3849377.25	7.47027	6.45334	5.4042	2.45988	5.69E-01	6.89E+01	5.97E-01	1.41E-01	7.02E+01	5.53E-01	2.91E-04	5.97E-02	2.75E-02	6.41E-01	6.20E-01	6.89E+01	5.97E-01	1.41E-01	7.02E+01
3447	472363.09	3849377.25	6.92146	6.37448	5.265	2.45246	5.28E-01	6.80E+01	5.82E-01	1.40E-01	6.93E+01	5.12E-01	2.87E-04	5.82E-02	2.75E-02	5.98E-01	5.75E-01	6.80E+01	5.82E-01	1.40E-01	6.93E+01
3448	472863.09	3849377.25	9.80075	6.60058	6.3871	2.42239	7.47E-01	7.04E+01	7.06E-01	1.39E-01	7.20E+01	7.26E-01	2.98E-04	7.06E-02	2.71E-02	8.24E-01	8.14E-01	7.04E+01	7.06E-01	1.39E-01	7.21E+01
3449	473363.09	3849377.25	10.327	5.70808	7.7008	2.67476	7.87E-01	6.09E+01	8.51E-01	1.53E-01	6.27E+01	7.65E-01	2.57E-04	8.51E-02	2.99E-02	8.80E-01	8.57E-01	6.09E+01	8.51E-01	1.53E-01	6.28E+01
3450	473863.09	3849377.25	10.7004	6.51511	8.0331	3.42083	8.16E-01	6.95E+01	8.88E-01	1.96E-01	7.14E+01	7.92E-01	2.94E-04	8.88E-02	3.83E-02	9.20E-01	8.88E-01	6.95E+01	8.88E-01	1.96E-01	7.15E+01
3451	474363.09	3849377.25	11.0845	6.18135	7.1247	4.2073	8.45E-01	6.60E+01	7.88E-01	2.41E-01	6.78E+01	8.21E-01	2.79E-04	7.88E-02	4.71E-02	9.47E-01	9.20E-01	6.60E+01	7.88E-01	2.41E-01	6.79E+01
3452	474863.09	3849377.25	11.9512	6.41896	6.9567	4.91904	9.11E-01	6.85E+01	7.69E-01	2.81E-01	7.05E+01	8.85E-01	2.89E-04	7.69E-02	5.51E-02	1.02E+00	9.92E-01	6.85E+01	7.69E-01	2.81E-01	7.05E+01
3453	475363.09	3849377.25	13.0621	7.7822	7.2584	5.39906	9.96E-01	8.30E+01	8.02E-01	3.09E-01	8.52E+01	9.67E-01	3.51E-04	8.02E-02	6.04E-02	1.11E+00	1.08E+00	8.30E+01	8.02E-01	3.09E-01	8.52E+01
3454	475863.09	3849377.25	11.5271	9.96328	9.1896	5.5018	8.79E-01	1.06E+02	1.02E+00	3.15E-01	1.09E+02	8.53E-01	4.49E-04	1.02E-01	6.16E-02	1.02E+00	9.57E-01	1.06E+02	1.02E+00	3.15E-01	1.09E+02
3455	476363.09	3849377.25	13.0605	8.70266	11.103	5.14396	9.95E-01	9.29E+01	1.23E+00	2.94E-01	9.54E+01	9.67E-01	3.92E-04	1.23E-01	5.76E-02	1.15E+00	1.08E+00	9.29E+01	1.23E+00	2.94E-01	9.55E+01
3456	476863.09	3849377.25	14.4879	6.89896	12.676	4.37023	1.10E+00	7.36E+01	1.40E+00	2.50E-01	7.64E+01	1.07E+00	3.11E-04	1.40E-01	4.89E-02	1.26E+00	1.20E+00	7.36E+01	1.40E+00	2.50E-01	7.65E+01
3457	477363.09	3849377.25	12.9136	6.71243	13.558	3.36489	9.84E-01	7.16E+01	1.50E+00	1.92E-01	7.43E+01	9.56E-01	3.03E-04	1.50E-01	3.77E-02	1.14E+00	1.07E+00	7.16E+01	1.50E+00	1.92E-01	7.44E+01
3458	477863.09	3849377.25	18.7798	7.22082	13.461	5.74183	1.43E+00	7.71E+01	1.49E+00	3.28E-01	8.03E+01	1.39E+00	3.26E-04	1.49E-01	6.43E-02	1.60E+00	1.56E+00	7.71E+01	1.49E+00	3.28E-01	8.04E+01
3459	478363.09	3849377.25	17.6288	5.60998	12.302	10.20457	1.34E+00	5.99E+01	1.36E+00	5.84E-01	6.32E+01	1.31E+00	2.53E-04	1.36E-01	1.14E-01	1.56E+00	1.46E+00	5.99E+01	1.36E+00	5.84E-01	6.33E+01
3460	478863.09	3849377.25	19.06	4.06527	10.265	10.73601	1.45E+00	4.34E+01	1.13E+00	6.14E-01	4.66E+01	1.41E+00	1.83E-04	1.13E-01	1.20E-01	1.64E+00	1.58E+00	4.34E+01	1.13E+00	6.14E-01	4.67E+01
3461	479363.09	3849377.25	19.2125	4.49925	7.8116	10.97439	1.46E+00	4.80E+01	8.64E-01	6.28E-01	5.10E+01	1.42E+00	2.03E-04	8.64E-02	1.23E-01	1.63E+00	1.60E+00	4.80E+01	8.64E-01	6.28E-01	5.11E+01
3462	479863.09	3849377.25	14.2066	4.54546	10.454	16.74415	1.08E+00	4.85E+01	1.16E+00	9.57E-01	5.17E+01	1.05E+00	2.05E-04	1.16E-01	1.87E-01	1.35E+00	1.18E+00	4.85E+01	1.16E+00	9.57E-01	5.18E+01
3463	480363.09	3849377.25	11.1737	4.58491	39.573	17.69872	8.52E-01	4.89E+01	4.38E+00	1.01E+00	5.52E+01	8.27E-01	2.07E-04	4.38E-01	1.98E-01	1.46E+00	9.28E-01	4.89E+01	4.38E+00	1.01E+00	5.52E+01
3464	480863.09	3849377.25	11.5195	3.87445	60.58	7.26626	8.78E-01	4.13E+01	6.70E+00	4.16E-01	4.93E+01	8.53E-01	1.75E-04	6.70E-01	8.13E-02	1.60E+00	9.56E-01	4.13E+01	6.70E+00	4.16E-01	4.94E+01
3465	481363.09	3849377.25	8.52694	2.19542	19.221	4.17109	6.50E-01	2.34E+01	2.13E+00	2.39E-01	2.64E+01	6.31E-01	9.90E-05	2.13E-01	4.67E-02	8.91E-01	7.08E-01	2.34E+01	2.13E+00	2.39E-01	2.65E+01
3466	481863.09	3849377.25	3.60315	1.15329	7.1878	3.90547	2.75E-01	1.23E+01	7.95E-01	2.23E-01	1.36E+01	2.67E-01	5.20E-05	7.95E-02	4.37E-02	3.90E-01	2.99E-01	1.23E+01	7.95E-01	2.23E-01	1.36E+01
3467	482363.09	3849377.25	3.01924	1.79963	6.9158	3.83355	2.30E-01	1.92E+01	7.65E-01	2.19E-01	2.04E+01	2.24E-01	8.11E-05	7.65E-02	4.29E-02	3.43E-01	2.51E-01	1.92E+01	7.65E-01	2.19E-01	2.04E+01
3468	482863.09	3849377.25	2.9999	2.06701	7.452	3.55818	2.29E-01	2.21E+01	8.24E-01	2.03E-01	2.33E+01	2.22E-01	9.32E-05	8.24E-02	3.98E-02	3.44E-01	2.49E-01	2.21E+01	8.24E-01	2.03E-01	2.33E+01
3469	483363.09	3849377.25	3.81268	1.70546	8.3286	3.32755	2.91E-01	1.82E+01	9.21E-01	1.90E-01	1.96E+01	2.82E-01	7.69E-05	9.21E-02	3.72E-02	4.12E-01	3.17E-01	1.82E+01	9.21E-01	1.90E-01	1.96E+01
3470	483863.09	3849377.25	3.19674	1.63437	9.4038	3.19129	2.44E-01	1.74E+01	1.04E+00	1.82E-01	1.89E+01	2.37E-01	7.37E-05	1.04E-01	3.57E-02	3.76E-01	2.65E-01	1.74E+01	1.04E+00	1.82E-01	1.89E+01
3471	484363.09	3849377.25	4.82011	1.56454	12.485	3.06637	3.67E-01	1.67E+01	1.38E+00	1.75E-01	1.86E+01	3.57E-01	7.05E-05	1.38E-01	3.43E-02	5.29E-01	4.00E-01	1.67E+01	1.38E+00	1.75E-01	1.87E+01
3472	484863.09	3849377.25	4.88968	1.29904	15.132	3.09562	3.73E-01	1.39E+01	1.67E+00	1.77E-01	1.61E+01	3.62E-01	5.86E-05	1.67E-01	3.47E-02	5.64E-01	4.06E-01	1.39E+01	1.67E+00	1.77E-01	1.61E+01
3473	485363.09	3849377.25	4.82252	2.14532	18.916	2.40462	3.68E-01	2.29E+01	2.09E+00	1.38E-01	2.55E+01	3.57E-01	9.67E-05	2.09E-01	2.69E-02	5.93E-01	4.00E-01	2.29E+01	2.09E+00	1.38E-01	2.55E+01

3474	485863.09	3849377.25	3.33416	2.11628	14.169	2.39217	2.54E-01	2.26E+01	1.57E+00	1.37E-01	2.45E+01	2.47E-01	9.54E-05	1.57E-01	2.68E-02	4.30E-01	2.77E-01	2.26E+01	1.57E+00	1.37E-01	2.46E+01
3475	486363.09	3849377.25	2.0218	1.94803	9.6306	2.27865	1.54E-01	2.08E+01	1.06E+00	1.30E-01	2.21E+01	1.50E-01	8.78E-05	1.06E-01	2.55E-02	2.82E-01	1.68E-01	2.08E+01	1.06E+00	1.30E-01	2.22E+01
3476	486863.09	3849377.25	2.08968	2.63002	9.5521	2.42289	1.59E-01	2.81E+01	1.06E+00	1.39E-01	2.94E+01	1.55E-01	1.19E-04	1.06E-01	2.71E-02	2.88E-01	1.73E-01	2.81E+01	1.06E+00	1.39E-01	2.94E+01
3477	487363.09	3849377.25	2.22675	1.96445	11.064	2.33756	1.70E-01	2.10E+01	1.22E+00	1.34E-01	2.25E+01	1.65E-01	8.86E-05	1.22E-01	2.62E-02	3.13E-01	1.85E-01	2.10E+01	1.22E+00	1.34E-01	2.25E+01
3478	487863.09	3849377.25	2.22005	1.08675	12.852	2.38812	1.69E-01	1.16E+01	1.42E+00	1.37E-01	1.33E+01	1.64E-01	4.90E-05	1.42E-01	2.67E-02	3.33E-01	1.84E-01	1.16E+01	1.42E+00	1.37E-01	1.33E+01
3479	488363.09	3849377.25	2.19783	0.99361	18.94	2.88655	1.68E-01	1.06E+01	2.09E+00	1.65E-01	1.30E+01	1.63E-01	4.48E-05	2.09E-01	3.23E-02	4.04E-01	1.82E-01	1.06E+01	2.09E+00	1.65E-01	1.30E+01
3480	488863.09	3849377.25	2.10651	1.16463	20.725	3.15007	1.61E-01	1.24E+01	2.29E+00	1.80E-01	1.51E+01	1.56E-01	5.25E-05	2.29E-01	3.53E-02	4.20E-01	1.75E-01	1.24E+01	2.29E+00	1.80E-01	1.51E+01
3481	489363.09	3849377.25	2.5249	1.41243	12.992	2.67764	1.92E-01	1.51E+01	1.44E+00	1.53E-01	1.69E+01	1.87E-01	6.37E-05	1.44E-01	3.00E-02	3.61E-01	2.10E-01	1.51E+01	1.44E+00	1.53E-01	1.69E+01
3482	489863.09	3849377.25	3.27602	1.47291	18.418	2.24589	2.50E-01	1.57E+01	2.04E+00	1.28E-01	1.81E+01	2.43E-01	6.64E-05	2.04E-01	2.51E-02	4.71E-01	2.72E-01	1.57E+01	2.04E+00	1.28E-01	1.82E+01
3483	490363.09	3849377.25	3.36833	1.3196	13.898	1.83301	2.57E-01	1.41E+01	1.54E+00	1.05E-01	1.60E+01	2.49E-01	5.95E-05	1.54E-01	2.05E-02	4.24E-01	2.80E-01	1.41E+01	1.54E+00	1.05E-01	1.60E+01
3484	490863.09	3849377.25	3.36439	1.05777	13.988	2.05133	2.56E-01	1.13E+01	1.55E+00	1.17E-01	1.32E+01	2.49E-01	4.77E-05	1.55E-01	2.30E-02	4.27E-01	2.79E-01	1.13E+01	1.55E+00	1.17E-01	1.32E+01
3485	491363.09	3849377.25	3.35617	0.82806	15.934	2.10119	2.56E-01	8.84E+00	1.76E+00	1.20E-01	1.10E+01	2.48E-01	3.73E-05	1.76E-01	2.35E-02	4.48E-01	2.79E-01	8.84E+00	1.76E+00	1.20E-01	1.10E+01
3486	491863.09	3849377.25	3.33115	0.63032	8.2205	1.83413	2.54E-01	6.73E+00	9.09E-01	1.05E-01	7.99E+00	2.47E-01	2.84E-05	9.09E-02	2.05E-02	3.58E-01	2.77E-01	6.73E+00	9.09E-01	1.05E-01	8.02E+00
3487	492363.09	3849377.25	3.08188	0.54122	9.4591	1.86503	2.35E-01	5.78E+00	1.05E+00	1.07E-01	7.16E+00	2.28E-01	2.44E-05	1.05E-01	2.09E-02	3.54E-01	2.56E-01	5.78E+00	1.05E+00	1.07E-01	7.18E+00
3488	492863.09	3849377.25	2.09525	0.7335	11.184	2.06006	1.60E-01	7.83E+00	1.24E+00	1.18E-01	9.34E+00	1.55E-01	3.31E-05	1.24E-01	2.31E-02	3.02E-01	1.74E-01	7.83E+00	1.24E+00	1.18E-01	9.36E+00
3489	493363.09	3849377.25	1.45004	1.17205	10.807	1.67338	1.11E-01	1.25E+01	1.19E+00	9.57E-02	1.39E+01	1.07E-01	5.28E-05	1.19E-01	1.87E-02	2.46E-01	1.20E-01	1.25E+01	1.19E+00	9.57E-02	1.39E+01
3490	493863.09	3849377.25	1.46293	1.56145	8.707	1.73919	1.12E-01	1.67E+01	9.63E-01	9.95E-02	1.78E+01	1.08E-01	7.04E-05	9.63E-02	1.95E-02	2.24E-01	1.21E-01	1.67E+01	9.63E-01	9.95E-02	1.78E+01
3491	494363.09	3849377.25	1.46115	1.62331	10.683	1.66312	1.11E-01	1.73E+01	1.18E+00	9.51E-02	1.87E+01	1.08E-01	7.32E-05	1.18E-01	1.86E-02	2.45E-01	1.21E-01	1.73E+01	1.18E+00	9.51E-02	1.87E+01
3492	494863.09	3849377.25	1.45845	1.43703	14.777	1.50657	1.11E-01	1.53E+01	1.63E+00	8.62E-02	1.72E+01	1.08E-01	6.48E-05	1.63E-01	1.69E-02	2.88E-01	1.21E-01	1.53E+01	1.63E+00	8.62E-02	1.72E+01
3493	495363.09	3849377.25	1.45555	1.52774	12.694	1.8613	1.11E-01	1.63E+01	1.40E+00	1.06E-01	1.79E+01	1.08E-01	6.89E-05	1.40E-01	2.08E-02	2.69E-01	1.21E-01	1.63E+01	1.40E+00	1.06E-01	1.79E+01
3494	495863.09	3849377.25	1.44688	1.96417	6.9814	1.55331	1.10E-01	2.10E+01	7.72E-01	8.88E-02	2.19E+01	1.07E-01	8.85E-05	7.72E-02	1.74E-02	2.02E-01	1.20E-01	2.10E+01	7.72E-01	8.88E-02	2.19E+01
3495	496363.09	3849377.25	1.37882	2.0613	7.6239	1.56692	1.05E-01	2.20E+01	8.43E-01	8.96E-02	2.30E+01	1.02E-01	9.29E-05	8.43E-02	1.75E-02	2.04E-01	1.14E-01	2.20E+01	8.43E-01	8.96E-02	2.30E+01
3496	496863.09	3849377.25	1.35226	1.59181	8.2968	1.83721	1.03E-01	1.70E+01	9.17E-01	1.05E-01	1.81E+01	1.00E-01	7.18E-05	9.17E-02	2.06E-02	2.12E-01	1.12E-01	1.70E+01	9.17E-01	1.05E-01	1.81E+01
3497	497363.09	3849377.25	2.00223	0.95689	9.3714	1.54353	1.53E-01	1.02E+01	1.04E+00	8.83E-02	1.15E+01	1.48E-01	4.31E-05	1.04E-01	1.73E-02	2.69E-01	1.66E-01	1.02E+01	1.04E+00	8.83E-02	1.15E+01
3498	497863.09	3849377.25	2.49981	0.82487	11.27	2.15605	1.91E-01	8.80E+00	1.25E+00	1.23E-01	1.04E+01	1.85E-01	3.72E-05	1.25E-01	2.41E-02	3.34E-01	2.08E-01	8.80E+00	1.25E+00	1.23E-01	1.04E+01
3499	498363.09	3849377.25	2.73047	0.96196	10.715	2.0612	2.08E-01	1.03E+01	1.18E+00	1.18E-01	1.18E+01	2.02E-01	4.34E-05	1.18E-01	2.31E-02	3.44E-01	2.27E-01	1.03E+01	1.18E+00	1.18E-01	1.18E+01
3500	471363.09	3849877.25	8.07048	2.80443	9.5482	2.12829	6.15E-01	2.99E+01	1.06E+00	1.22E-01	3.17E+01	5.97E-01	1.26E-04	1.06E-01	2.38E-02	7.27E-01	6.70E-01	2.99E+01	1.06E+00	1.22E-01	3.18E+01
3501	471863.09	3849877.25	7.66105	4.56913	6.614	2.07853	5.84E-01	4.88E+01	7.31E-01	1.19E-01	5.02E+01	5.67E-01	2.06E-04	7.31E-02	2.33E-02	6.64E-01	6.36E-01	4.88E+01	7.31E-01	1.19E-01	5.02E+01
3502	472363.09	3849877.25	8.68866	6.34307	5.685	2.35073	6.62E-01	6.77E+01	6.29E-01	1.34E-01	6.91E+01	6.43E-01	2.86E-04	6.29E-02	2.63E-02	7.33E-01	7.21E-01	6.77E+01	6.29E-01	1.34E-01	6.92E+01
3503	472863.09	3849877.25	8.19554	6.98569	5.6606	2.51355	6.25E-01	7.45E+01	6.26E-01	1.44E-01	7.59E+01	6.07E-01	3.15E-04	6.26E-02	2.81E-02	6.98E-01	6.80E-01	7.45E+01	6.26E-01	1.44E-01	7.60E+01
3504	473363.09	3849877.25	7.74405	6.79519	5.4929	2.40506	5.90E-01	7.25E+01	6.07E-01	1.38E-01	7.39E+01	5.73E-01	3.06E-04	6.07E-02	2.69E-02	6.61E-01	6.43E-01	7.25E+01	6.07E-01	1.38E-01	7.39E+01
3505	473863.09	3849877.25	10.6286	7.00782	7.026	2.54755	8.10E-01	7.48E+01	7.77E-01	1.46E-01	7.65E+01	7.87E-01	3.16E-04	7.77E-02	2.85E-02	8.93E-01	8.82E-01	7.48E+01	7.77E-01	1.46E-01	7.66E+01
3506	474363.09	3849877.25	10.7323	6.8493	8.1751	3.28164	8.18E-01	7.31E+01	9.04E-01	1.88E-01	7.50E+01	7.95E-01	3.09E-04	9.04E-02	3.67E-02	9.22E-01	8.91E-01	7.31E+01	9.04E-01	1.88E-01	7.51E+01
3507	474863.09	3849877.25	11.6822	6.68667	8.0711	4.13497	8.90E-01	7.14E+01	8.92E-01	2.36E-01	7.34E+01	8.65E-01	3.01E-04	8.92E-02	4.63E-02	1.00E+00	9.70E-01	7.14E+01	8.92E-01	2.36E-01	7.35E+01
3508	475363.09	3849877.25	11.8877	7.01799	7.1087	4.95623	9.06E-01	7.49E+01	7.86E-01	2.83E-01	7.69E+01	8.80E-01	3.16E-04	7.86E-02	5.55E-02	1.01E+00	9.87E-01	7.49E+01	7.86E-01	2.83E-01	7.70E+01
3509	475863.09	3849877.25	13.4154	7.69394	7.1255	5.57705	1.02E+00	8.21E+01	7.88E-01	3.19E-01	8.42E+01	9.93E-01	3.47E-04	7.88E-02	6.24E-02	1.13E+00	1.11E+00	8.21E+01	7.88E-01	3.19E-01	8.43E+01
3510	476363.09	3849877.25	13.5202	10.3194	8.8974	5.80749	1.03E+00	1.10E+02	9.84E-01	3.32E-01	1.12E+02	1.00E+00	4.65E-04	9.84E-02	6.50E-02	1.16E+00	1.12E+00	1.10E+02	9.84E-01	3.32E-01	1.13E+02
3511	476863.09	3849877.25	13.5274	10.0447	11.03	5.52246	1.03E+00	1.07E+02	1.22E+00	3.16E-01	1.10E+02	1.00E+00	4.53E-04	1.22E-01	6.18E-02	1.19E+00	1.12E+00	1.07E+02	1.22E+00	3.16E-01	1.10E+02
3512	477363.09	3849877.25	12.8201	8.97701	12.91	4.74028	9.77E-01	9.58E+01	1.43E+00	2.71E-01	9.85E+01	9.49E-01	4.05E-04	1.43E-01	5.31E-02	1.15E+00	1.06E+00	9.58E+01	1.43E+00	2.71E-01	9.86E+01
3513	477863.09	3849877.25	14.2752	8.31356	14.112	3.64865	1.09E+00	8.87E+01	1.56E+00	2.09E-01	9.16E+01	1.06E+00	3.75E-04	1.56E-01	4.08E-02	1.25E+00	1.19E+00	8.87E+01	1.56E+00	2.09E-01	9.17E+01
3514	478363.09	3849877.25	20.436	8.17726	14.268	5.25633	1.56E+00	8.73E+01	1.58E+00	3.01E-01	9.07E+01	1.51E+00	3.69E-04	1.58E-01	5.88E-02	1.73E+00	1.70E+00	8.73E+01	1.58E+00	3.01E-01	9.08E+01
3515	478863.09	3849877.25	18.6092	6.45919	13.219	8.36615	1.42E+00	6.89E+01	1.46E+00	4.78E-01	7.23E+01	1.38E+00	2.91E-04	1.46E-01	9.37E-02	1.62E+00	1.54E+00	6.89E+01	1.46E+00	4.78E-01	7.24E+01
3516	479363.09	3849877.25	21.652	4.41638	11.104	9.88992	1.65E+00	4.71E+01	1.23E+00	5.66E-01	5.06E+01	1.60E+00	1.99E-04	1.23E-01	1.11E-01	1.84E+00	1.80E+00	4.71E+01	1.23E+00	5.66E-01	5.07E+01
3517	479863.09	3849877.25	21.5669	4.50351	8.4508	8.92234	1.64E+00	4.81E+01	9.34E-01	5.10E-01	5.11E+01	1.60E+00	2.03E-04	9.34E-02	9.99E-02	1.79E+00	1.79E+00	4.81E+01	9.34E-01	5.10E-01	5.13E+01
3518	480363.09	3849877.25	19.3185	4.64161	10.525	13.51599	1.47E+00	4.95E+01	1.16E+00	7.73E-01	5.29E+01	1.43E+00	2.09E-04	1.16E-01	1.51E-01	1.70E+00	1.60E+00	4.95E+01	1.16E+00	7.73E-01	5.31E+01
3519	480863.09	3849877.25	12.7118	4.51467	35.937	7.04193	9.69E-01	4.82E+01	3.97E+00	4.03E-01	5.35E+01	9.41E-01	2.04E-04	3.97E-01	7.88E-02	1.42E+00	1.06E+00	4.82E+01	3.97E+00	4.03E-01	5.36E+01
3520	481363.09	3849877.25	10.6357	3.54662	43.95	4.07734	8.11E-01	3.78E+01	4.86E+00	2.33E-01	4.38E+01	7.87E-01	1.60E-04	4.86E-01	4.56E-02	1.32E+00	8.83E-01	3.78E+01	4.86E+00	2.33E-01	4.38E+01
3521	481863.09	3849877.25	7.11605	1.28025	7.4324	3.99423	5.42E-01	1.37E+01	8.22E-01	2.28E-01	1.53E+01	5.27E-01	5.77E-05	8.22E-02	4.47E-02	6.54E-01	5.91E-01	1.37E+01	8.22E-01	2.28E-01	1.53E+01
3522	482363.09	3849877.25	2.85699	1.67391	7.6441	3.99851	2.18E-01	1.79E+01	8.45E-01	2.29E-01	1.92E+01	2.12E-01	7.55E-05	8.45E-02	4.48E-02	3.41E-01	2.37E-01	1.79E+01	8.45E-01	2.29E-01	1.92E+01
3523	482863.09	3849877.25	2.34243	2.09216	6.917	3.6958	1.79E-01	2.23E+01	7.65E-01	2.11E-01	2.35E+01	1.73E-01	9.43E-05	7.65E-02	4.14E-02	2.91E-01	1.94E-01	2.23E+01	7.65E-01	2.11E-01	2.35E+01
3524	483363.09	3849877.25	3.78611	1.77324	8.3136	3.40416	2.89E-01	1.89E+01	9.19E-01	1.95E-01	2.03E+01	2.80E-01	7.99E-05	9.19E-02	3.81E-02	4.10E-01	3.14E-01	1.89E+01	9.19E-01	1.95E-01	2.04E+01
3525	483863.09	3849877.25	3.58523	1.62401	8.8172	3.26343	2.73E-01	1.73E+01	9.75E-01	1.87E-01	1.88E+01	2.65E-01	7.32E-05	9.75E-02	3.65E-02	4.00E-01	2.98E-01	1.73E+01	9.75E-01	1.87E-01	1.88E+01
3526	484363.09	3849877.25	4.77344	1.61109	11.836	3.19234	3.64E-01	1.72E+01	1.31E+00	1.83E-01	1.90E+01	3.53E-01	7.26E-05	1.31E-01	3.57E-02	5.20E-01	3.96E-01	1.72E+01	1.31E+00	1.83E-01	1.91E+01
3527	484863.09	3849877.25	4.89226	1.43619	19.267	3.20208	3.73E-01	1.53E+01	2.13E+00	1.83E-01	1.80E+01	3.62E-01	6.47E-05	2.13E-01	3.58E-02	6.11E-01	4.06E-01	1.53E+01	2.13E+00	1.83E-01	1.80E+01
3528	485363.09	3849877.25	4.85297	2.06713	19.371	2.69915	3.70E-01	2.21E+01	2.14E+00	1.54E-01	2.47E+01	3.59E-01	9.32E-05	2.14E-01	3.02E-02	6.04E-01	4.03E-01	2.21E+01	2.14E+00	1.54E-01	2.48E+01
3529	485863.09	3849877.25	3.75493	2.17816	15.389	2.35563	2.86E-01	2.32E+01	1.70E+00	1.35E-01	2.54E+01	2.78E-01	9.82E-05	1.70E-01	2.64E-02	4.75E-01	3.12E-01	2.32E+01	1.70E+00	1.35E-01	2.54E+01
3530	486363.09	3849877.25	2.05598	1.88132	12.335	2.29933	1.57E-01	2.01E+01	1.36E+00	1.31E-01	2.17E+01	1.52E-01	8.48E-05	1.36E-01	2.57E-02	3.14E-01	1.71E-01	2.01E+01	1.36E+00	1.31E-01	2.17E+01
3531	486863.09	3849877.25	2.20193	2.6031	10.082	2.49102	1.68E-01	2.78E+01	1.11E+00	1.42E-01	2.92E+01	1.63E-01	1.17E-04	1.11E-01	2.79E-02	3.02E-01	1.83E-01	2.78E+01	1.11E+00	1.42E-01	2.92E+01
3532	487363.09	3849877.25	2.23368	2.15228	11.423	2.91441	1.70E-01	2.30E+01	1.26E+00	1.67E-01	2.46E+01	1.65E-01	9.70E-05	1.26E-01	3.26E-02	3.24E-01	1.85E-01	2.30E+01	1.26E+00	1.67E-01	2.46E+01
3533	487863.09	3849877.25	2.22401	1.09628	13.437	3.16944	1.70E-01	1.17E+01	1.49E+00	1.81E-01	1.35E+01	1.65E-01	4.94E-05	1.49E-01	3.55E-02	3.49E-01	1.85E-01	1.17E+01	1.49E+00	1.81E-01	1.36E+01
3534	488363.09	3849877.25	2.18517	1.09834	19.613	2.90256	1.67E-01	1.17E+01	2.17E+00	1.66E-01	1.42E+01	1.62E-01	4.95E-05	2.17E-01	3.25E-02	4.11E-01	1.81E-01	1.17E+01	2.17E+00	1.66E-01	1.42E+01

3535	488863.09	3849877.25	2.38212	1.37776	20.745	3.17632	1.82E-01	1.47E+01	2.29E+00	1.82E-01	1.74E+01	1.76E-01	6.21E-05	2.29E-01	3.56E-02	4.41E-01	1.98E-01	1.47E+01	2.29E+00	1.82E-01	1.74E+01
3536	489363.09	3849877.25	3.23262	1.4876	14.566	2.64195	2.46E-01	1.59E+01	1.61E+00	1.51E-01	1.79E+01	2.39E-01	6.71E-05	1.61E-01	2.96E-02	4.30E-01	2.68E-01	1.59E+01	1.61E+00	1.51E-01	1.79E+01
3537	489863.09	3849877.25	3.36875	1.37514	19.04	2.41462	2.57E-01	1.47E+01	2.11E+00	1.38E-01	1.72E+01	2.49E-01	6.20E-05	2.11E-01	2.70E-02	4.87E-01	2.80E-01	1.47E+01	2.11E+00	1.38E-01	1.72E+01
3538	490363.09	3849877.25	3.36608	1.11358	15.799	1.94146	2.57E-01	1.19E+01	1.75E+00	1.11E-01	1.40E+01	2.49E-01	5.02E-05	1.75E-01	2.17E-02	4.46E-01	2.79E-01	1.19E+01	1.75E+00	1.11E-01	1.40E+01
3539	490863.09	3849877.25	3.3582	0.87307	14.97	2.14619	2.56E-01	9.32E+00	1.66E+00	1.23E-01	1.14E+01	2.49E-01	3.94E-05	1.66E-01	2.40E-02	4.38E-01	2.79E-01	9.32E+00	1.66E+00	1.23E-01	1.14E+01
3540	491363.09	3849877.25	3.34523	0.66925	17.174	2.11896	2.55E-01	7.14E+00	1.90E+00	1.21E-01	9.42E+00	2.48E-01	3.02E-05	1.90E-01	2.37E-02	4.61E-01	2.78E-01	7.14E+00	1.90E+00	1.21E-01	9.44E+00
3541	491863.09	3849877.25	3.20901	0.5813	8.485	1.95556	2.45E-01	6.20E+00	9.38E-01	1.12E-01	7.50E+00	2.38E-01	2.62E-05	9.38E-02	2.19E-02	3.53E-01	2.66E-01	6.20E+00	9.38E-01	1.12E-01	7.52E+00
3542	492363.09	3849877.25	2.40971	0.65038	11.166	2.14442	1.84E-01	6.94E+00	1.23E+00	1.23E-01	8.48E+00	1.78E-01	2.93E-05	1.23E-01	2.40E-02	3.26E-01	2.00E-01	6.94E+00	1.23E+00	1.23E-01	8.50E+00
3543	492863.09	3849877.25	1.4611	1.06604	11.791	2.16811	1.11E-01	1.14E+01	1.30E+00	1.24E-01	1.29E+01	1.08E-01	4.81E-05	1.30E-01	2.43E-02	2.63E-01	1.21E-01	1.14E+01	1.30E+00	1.24E-01	1.29E+01
3544	493363.09	3849877.25	1.4628	1.51052	10.113	1.7724	1.11E-01	1.61E+01	1.12E+00	1.01E-01	1.75E+01	1.08E-01	6.81E-05	1.12E-01	1.98E-02	2.40E-01	1.21E-01	1.61E+01	1.12E+00	1.01E-01	1.75E+01
3545	493863.09	3849877.25	1.46027	1.65943	10.193	1.76783	1.11E-01	1.77E+01	1.13E+00	1.01E-01	1.90E+01	1.08E-01	7.48E-05	1.13E-01	1.98E-02	2.41E-01	1.21E-01	1.77E+01	1.13E+00	1.01E-01	1.91E+01
3546	494363.09	3849877.25	1.45757	1.4687	15.468	1.64009	1.11E-01	1.57E+01	1.71E+00	9.38E-02	1.76E+01	1.08E-01	6.62E-05	1.71E-01	1.84E-02	2.97E-01	1.21E-01	1.57E+01	1.71E+00	9.38E-02	1.76E+01
3547	494863.09	3849877.25	1.45456	1.43875	13.786	1.8433	1.11E-01	1.54E+01	1.52E+00	1.05E-01	1.71E+01	1.08E-01	6.49E-05	1.52E-01	2.06E-02	2.81E-01	1.21E-01	1.54E+01	1.52E+00	1.05E-01	1.71E+01
3548	495363.09	3849877.25	1.4412	1.87993	9.9525	1.66623	1.10E-01	2.01E+01	1.10E+00	9.53E-02	2.14E+01	1.07E-01	8.47E-05	1.10E-01	1.87E-02	2.35E-01	1.20E-01	2.01E+01	1.10E+00	9.53E-02	2.14E+01
3549	495863.09	3849877.25	1.38008	2.12685	11.44	2.1278	1.05E-01	2.27E+01	1.26E+00	1.22E-01	2.42E+01	1.02E-01	9.59E-05	1.26E-01	2.38E-02	2.53E-01	1.15E-01	2.27E+01	1.26E+00	1.22E-01	2.42E+01
3550	496363.09	3849877.25	2.12903	1.73724	10.24	1.95542	1.62E-01	1.85E+01	1.13E+00	1.12E-01	1.99E+01	1.58E-01	7.83E-05	1.13E-01	2.19E-02	2.93E-01	1.77E-01	1.85E+01	1.13E+00	1.12E-01	2.00E+01
3551	496863.09	3849877.25	2.58499	1.08543	9.715	1.67966	1.97E-01	1.16E+01	1.07E+00	9.60E-02	1.30E+01	1.91E-01	4.89E-05	1.07E-01	1.88E-02	3.18E-01	2.15E-01	1.16E+01	1.07E+00	9.60E-02	1.30E+01
3552	497363.09	3849877.25	2.76732	0.98297	11.811	2.16999	2.11E-01	1.05E+01	1.31E+00	1.24E-01	1.21E+01	2.05E-01	4.43E-05	1.31E-01	2.43E-02	3.60E-01	2.30E-01	1.05E+01	1.31E+00	1.24E-01	1.21E+01
3553	497863.09	3849877.25	2.81554	1.12448	10.909	1.96903	2.15E-01	1.20E+01	1.21E+00	1.13E-01	1.35E+01	2.08E-01	5.07E-05	1.21E-01	2.20E-02	3.51E-01	2.34E-01	1.20E+01	1.21E+00	1.13E-01	1.36E+01
3554	498363.09	3849877.25	2.82258	1.22788	11.879	1.71195	2.15E-01	1.31E+01	1.31E+00	9.79E-02	1.47E+01	2.09E-01	5.54E-05	1.31E-01	1.92E-02	3.60E-01	2.34E-01	1.31E+01	1.31E+00	9.79E-02	1.47E+01
3555	471363.09	3850377.25	4.38199	0.9608	13.865	2.18049	3.34E-01	1.03E+01	1.53E+00	1.25E-01	1.22E+01	3.24E-01	4.33E-05	1.53E-01	2.44E-02	5.02E-01	3.64E-01	1.03E+01	1.53E+00	1.25E-01	1.23E+01
3556	471863.09	3850377.25	7.6938	2.10476	14.474	2.3607	5.86E-01	2.25E+01	1.60E+00	1.35E-01	2.48E+01	5.70E-01	9.49E-05	1.60E-01	2.64E-02	7.56E-01	6.39E-01	2.25E+01	1.60E+00	1.35E-01	2.48E+01
3557	472363.09	3850377.25	9.11678	3.44722	11.103	2.22622	6.95E-01	3.68E+01	1.23E+00	1.27E-01	3.88E+01	6.75E-01	1.55E-04	1.23E-01	2.49E-02	8.23E-01	7.57E-01	3.68E+01	1.23E+00	1.27E-01	3.89E+01
3558	472863.09	3850377.25	8.89252	5.63778	7.7877	2.16904	6.78E-01	6.02E+01	8.61E-01	1.24E-01	6.18E+01	6.58E-01	2.54E-04	8.61E-02	2.43E-02	7.69E-01	7.38E-01	6.02E+01	8.61E-01	1.24E-01	6.19E+01
3559	473363.09	3850377.25	9.26334	6.87479	5.9824	2.42163	7.06E-01	7.34E+01	6.61E-01	1.38E-01	7.49E+01	6.86E-01	3.10E-04	6.61E-02	2.71E-02	7.79E-01	7.69E-01	7.34E+01	6.61E-01	1.38E-01	7.49E+01
3560	473863.09	3850377.25	9.13714	7.08657	5.9439	2.51346	6.96E-01	7.56E+01	6.57E-01	1.44E-01	7.71E+01	6.76E-01	3.19E-04	6.57E-02	2.81E-02	7.71E-01	7.59E-01	7.56E+01	6.57E-01	1.44E-01	7.72E+01
3561	474363.09	3850377.25	8.64327	7.4971	5.8702	2.55416	6.59E-01	8.00E+01	6.49E-01	1.46E-01	8.15E+01	6.40E-01	3.38E-04	6.49E-02	2.86E-02	7.34E-01	7.18E-01	8.00E+01	6.49E-01	1.46E-01	8.15E+01
3562	474863.09	3850377.25	11.4645	6.91737	7.6785	3.11209	8.74E-01	7.38E+01	8.49E-01	1.78E-01	7.57E+01	8.49E-01	3.12E-04	8.49E-02	3.48E-02	9.69E-01	9.52E-01	7.38E+01	8.49E-01	1.78E-01	7.58E+01
3563	475363.09	3850377.25	11.0808	7.72118	8.5427	4.02357	8.45E-01	8.24E+01	9.44E-01	2.30E-01	8.44E+01	8.20E-01	3.48E-04	9.44E-02	4.50E-02	9.60E-01	9.20E-01	8.24E+01	9.44E-01	2.30E-01	8.45E+01
3564	475863.09	3850377.25	12.5903	7.59176	7.8782	4.95701	9.60E-01	8.10E+01	8.71E-01	2.83E-01	8.31E+01	9.32E-01	3.42E-04	8.71E-02	5.55E-02	1.08E+00	1.05E+00	8.10E+01	8.71E-01	2.83E-01	8.32E+01
3565	476363.09	3850377.25	13.201	7.347	7.5507	5.73139	1.01E+00	7.84E+01	8.35E-01	3.28E-01	8.06E+01	9.77E-01	3.31E-04	8.35E-02	6.42E-02	1.13E+00	1.10E+00	7.84E+01	8.35E-01	3.28E-01	8.07E+01
3566	476863.09	3850377.25	14.1944	10.5693	8.5204	6.11873	1.08E+00	1.13E+02	9.42E-01	3.50E-01	1.15E+02	1.05E+00	4.76E-04	9.42E-02	6.85E-02	1.21E+00	1.18E+00	1.13E+02	9.42E-01	3.50E-01	1.15E+02
3567	477363.09	3850377.25	12.5333	11.2998	10.857	5.93343	9.55E-01	1.21E+02	1.20E+00	3.39E-01	1.23E+02	9.28E-01	5.09E-04	1.20E-01	6.64E-02	1.11E+00	1.04E+00	1.21E+02	1.20E+00	3.39E-01	1.23E+02
3568	477863.09	3850377.25	12.9657	9.58459	13.051	5.14806	9.88E-01	1.02E+02	1.44E+00	2.94E-01	1.05E+02	9.60E-01	4.32E-04	1.44E-01	5.76E-02	1.16E+00	1.08E+00	1.02E+02	1.44E+00	2.94E-01	1.05E+02
3569	478363.09	3850377.25	15.2859	9.05946	14.623	3.96046	1.17E+00	9.67E+01	1.62E+00	2.26E-01	9.97E+01	1.13E+00	4.08E-04	1.62E-01	4.43E-02	1.34E+00	1.27E+00	9.67E+01	1.62E+00	2.26E-01	9.98E+01
3570	478863.09	3850377.25	19.2592	9.21931	15.116	4.00934	1.47E+00	9.84E+01	1.67E+00	2.29E-01	1.02E+02	1.43E+00	4.16E-04	1.67E-01	4.49E-02	1.64E+00	1.60E+00	9.84E+01	1.67E+00	2.29E-01	1.02E+02
3571	479363.09	3850377.25	18.5589	7.52614	14.228	6.04093	1.41E+00	8.03E+01	1.57E+00	3.45E-01	8.36E+01	1.37E+00	3.39E-04	1.57E-01	6.76E-02	1.60E+00	1.54E+00	8.03E+01	1.57E+00	3.45E-01	8.38E+01
3572	479863.09	3850377.25	23.3889	4.86985	12.052	8.15262	1.78E+00	5.20E+01	1.33E+00	4.66E-01	5.56E+01	1.73E+00	2.20E-04	1.33E-01	9.13E-02	1.96E+00	1.94E+00	5.20E+01	1.33E+00	4.66E-01	5.57E+01
3573	480363.09	3850377.25	23.9115	4.49734	9.1501	9.39124	1.82E+00	4.80E+01	1.01E+00	5.37E-01	5.14E+01	1.77E+00	2.03E-04	1.01E-01	1.05E-01	1.98E+00	1.99E+00	4.80E+01	1.01E+00	5.37E-01	5.15E+01
3574	480863.09	3850377.25	22.9111	4.75687	10.508	11.07116	1.75E+00	5.08E+01	1.16E+00	6.33E-01	5.43E+01	1.70E+00	2.14E-04	1.16E-01	1.24E-01	1.94E+00	1.90E+00	5.08E+01	1.16E+00	6.33E-01	5.45E+01
3575	481363.09	3850377.25	13.646	4.35632	41.533	4.70758	1.04E+00	4.65E+01	4.59E+00	2.69E-01	5.24E+01	1.01E+00	1.96E-04	4.59E-01	5.27E-02	1.52E+00	1.13E+00	4.65E+01	4.59E+00	2.69E-01	5.25E+01
3576	481863.09	3850377.25	10.5981	3.16863	56.263	4.81715	8.08E-01	3.38E+01	6.22E+00	2.75E-01	4.11E+01	7.85E-01	1.43E-04	6.22E-01	5.39E-02	1.46E+00	8.80E-01	3.38E+01	6.22E+00	2.75E-01	4.12E+01
3577	482363.09	3850377.25	8.15575	1.51184	17.885	6.73485	6.22E-01	1.61E+01	1.98E+00	3.85E-01	1.91E+01	6.04E-01	6.82E-05	1.98E-01	7.54E-02	8.77E-01	6.77E-01	1.61E+01	1.98E+00	3.85E-01	1.92E+01
3578	482863.09	3850377.25	3.71028	2.11393	7.901	3.89729	2.83E-01	2.26E+01	8.74E-01	2.23E-01	2.39E+01	2.75E-01	9.53E-05	8.74E-02	4.36E-02	4.06E-01	3.08E-01	2.26E+01	8.74E-01	2.23E-01	2.40E+01
3579	483363.09	3850377.25	3.57785	1.83895	7.9302	3.51056	2.73E-01	1.96E+01	8.77E-01	2.01E-01	2.10E+01	2.65E-01	8.29E-05	8.77E-02	3.93E-02	3.92E-01	2.97E-01	1.96E+01	8.77E-01	2.01E-01	2.10E+01
3580	483863.09	3850377.25	5.56762	1.57909	9.0983	3.33654	4.24E-01	1.69E+01	1.01E+00	1.91E-01	1.85E+01	4.12E-01	7.12E-05	1.01E-01	3.74E-02	5.50E-01	4.62E-01	1.69E+01	1.01E+00	1.91E-01	1.85E+01
3581	484363.09	3850377.25	5.69865	1.6415	10.908	3.29594	4.34E-01	1.75E+01	1.21E+00	1.88E-01	1.93E+01	4.22E-01	7.40E-05	1.21E-01	3.69E-02	5.79E-01	4.73E-01	1.75E+01	1.21E+00	1.88E-01	1.94E+01
3582	484863.09	3850377.25	4.89527	1.53121	18.065	3.19738	3.73E-01	1.63E+01	2.00E+00	1.83E-01	1.89E+01	3.62E-01	6.90E-05	2.00E-01	3.58E-02	5.98E-01	4.06E-01	1.63E+01	2.00E+00	1.83E-01	1.89E+01
3583	485363.09	3850377.25	4.86861	1.95809	22.433	3.03441	3.71E-01	2.09E+01	2.48E+00	1.74E-01	2.39E+01	3.60E-01	8.83E-05	2.48E-01	3.40E-02	6.43E-01	4.04E-01	2.09E+01	2.48E+00	1.74E-01	2.40E+01
3584	485863.09	3850377.25	4.12833	2.23931	21.092	3.68537	3.15E-01	2.39E+01	2.33E+00	2.11E-01	2.68E+01	3.06E-01	1.01E-04	2.33E-01	4.13E-02	5.80E-01	3.43E-01	2.39E+01	2.33E+00	2.11E-01	2.68E+01
3585	486363.09	3850377.25	3.20433	1.83832	23.229	3.34031	2.44E-01	1.96E+01	2.57E+00	1.91E-01	2.26E+01	2.37E-01	8.29E-05	2.57E-01	3.74E-02	5.32E-01	2.66E-01	1.96E+01	2.57E+00	1.91E-01	2.26E+01
3586	486863.09	3850377.25	3.17968	2.54434	20.248	2.72485	2.42E-01	2.72E+01	2.24E+00	1.56E-01	2.98E+01	2.35E-01	1.15E-04	2.24E-01	3.05E-02	4.90E-01	2.64E-01	2.72E+01	2.24E+00	1.56E-01	2.98E+01
3587	487363.09	3850377.25	2.2376	2.3282	11.792	3.26014	1.71E-01	2.48E+01	1.30E+00	1.86E-01	2.65E+01	1.66E-01	1.05E-04	1.30E-01	3.65E-02	3.33E-01	1.86E-01	2.48E+01	1.30E+00	1.86E-01	2.65E+01
3588	487863.09	3850377.25	2.22805	1.10597	14.074	3.19567	1.70E-01	1.18E+01	1.56E+00	1.83E-01	1.37E+01	1.65E-01	4.99E-05	1.56E-01	3.58E-02	3.56E-01	1.85E-01	1.18E+01	1.56E+00	1.83E-01	1.37E+01
3589	488363.09	3850377.25	2.19401	1.33178	20.279	2.91052	1.67E-01	1.42E+01	2.24E+00	1.66E-01	1.68E+01	1.62E-01	6.00E-05	2.24E-01	3.26E-02	4.19E-01	1.82E-01	1.42E+01	2.24E+00	1.66E-01	1.68E+01
3590	488863.09	3850377.25	3.16633	1.49114	20.622	3.20258	2.41E-01	1.59E+01	2.28E+00	1.83E-01	1.86E+01	2.34E-01	6.72E-05	2.28E-01	3.59E-02	4.98E-01	2.63E-01	1.59E+01	2.28E+00	1.83E-01	1.86E+01
3591	489363.09	3850377.25	3.36859	1.42575	16.522	2.59232	2.57E-01	1.52E+01	1.83E+00	1.48E-01	1.74E+01	2.49E-01	6.43E-05	1.83E-01	2.90E-02	4.61E-01	2.80E-01	1.52E+01	1.83E+00	1.48E-01	1.75E+01
3592	489863.09	3850377.25	3.36786	1.17361	19.046	2.57058	2.57E-01	1.25E+01	2.11E+00	1.47E-01	1.50E+01	2.49E-01	5.29E-05	2.11E-01	2.88E-02	4.89E-01	2.80E-01	1.25E+01	2.11E+00	1.47E-01	1.51E+01
3593	490363.09	3850377.25	3.35994	0.91814	17.301	2.38485	2.56E-01	9.80E+00	1.91E+00	1.36E-01	1.21E+01	2.49E-01	4.14E-05	1.91E-01	2.67E-02	4.67E-01	2.79E-01	9.80E+00	1.91E+00	1.36E-01	1.21E+01
3594	490863.09	3850377.25	3.35095	0.74631	16.54	2.26288	2.55E-01	7.96E+00	1.83E+00	1.29E-01	1.02E+01	2.48E-01	3.36E-05	1.83E-01	2.53E-02	4.56E-01	2.78E-01	7.96E+00	1.83E+00	1.29E-01	1.02E+01
3595	491363.09	3850377.25	3.28751	0.61596	17.278	2.14527	2.51E-01	6.57E+00	1.91E+00	1.23E-01	8.86E+00	2.43E-01	2.78E-05	1.91E-01	2.40E-02	4.58E-01	2.73E-01	6.57E+00	1.91E+00	1.23E-01	8.88E+00

3596	491863.09	3850377.25	2.70758	0.60996	11.49	2.21388	2.06E-01	6.51E+00	1.27E+00	1.27E-01	8.11E+00	2.00E-01	2.75E-05	1.27E-01	2.48E-02	3.52E-01	2.25E-01	6.51E+00	1.27E+00	1.27E-01	8.13E+00
3597	492363.09	3850377.25	1.46399	0.95447	12.462	2.19619	1.12E-01	1.02E+01	1.38E+00	1.26E-01	1.18E+01	1.08E-01	4.30E-05	1.38E-01	2.46E-02	2.71E-01	1.22E-01	1.02E+01	1.38E+00	1.26E-01	1.18E+01
3598	492863.09	3850377.25	1.46205	1.43948	11.572	1.99014	1.11E-01	1.54E+01	1.28E+00	1.14E-01	1.69E+01	1.08E-01	6.49E-05	1.28E-01	2.23E-02	2.59E-01	1.21E-01	1.54E+01	1.28E+00	1.14E-01	1.69E+01
3599	493363.09	3850377.25	1.45937	1.68045	12.532	1.84449	1.11E-01	1.79E+01	1.39E+00	1.05E-01	1.95E+01	1.08E-01	7.58E-05	1.39E-01	2.06E-02	2.67E-01	1.21E-01	1.79E+01	1.39E+00	1.05E-01	1.95E+01
3600	493863.09	3850377.25	1.45668	1.52374	15.969	1.74381	1.11E-01	1.63E+01	1.77E+00	9.97E-02	1.82E+01	1.08E-01	6.87E-05	1.77E-01	1.95E-02	3.04E-01	1.21E-01	1.63E+01	1.77E+00	9.97E-02	1.82E+01
3601	494363.09	3850377.25	1.45337	1.37256	15.076	1.81466	1.11E-01	1.46E+01	1.67E+00	1.04E-01	1.65E+01	1.08E-01	6.19E-05	1.67E-01	2.03E-02	2.95E-01	1.21E-01	1.46E+01	1.67E+00	1.04E-01	1.65E+01
3602	494863.09	3850377.25	1.50493	1.76562	11.429	2.06645	1.15E-01	1.88E+01	1.26E+00	1.18E-01	2.03E+01	1.11E-01	7.96E-05	1.26E-01	2.31E-02	2.61E-01	1.25E-01	1.88E+01	1.26E+00	1.18E-01	2.03E+01
3603	495363.09	3850377.25	2.25985	2.16049	11.464	2.35902	1.72E-01	2.31E+01	1.27E+00	1.35E-01	2.46E+01	1.67E-01	9.74E-05	1.27E-01	2.64E-02	3.21E-01	1.88E-01	2.31E+01	1.27E+00	1.35E-01	2.46E+01
3604	495863.09	3850377.25	2.66097	1.88177	10.733	2.40049	2.03E-01	2.01E+01	1.19E+00	1.37E-01	2.16E+01	1.97E-01	8.48E-05	1.19E-01	2.69E-02	3.43E-01	2.21E-01	2.01E+01	1.19E+00	1.37E-01	2.16E+01
3605	496363.09	3850377.25	2.7947	1.22324	11.312	2.29312	2.13E-01	1.31E+01	1.25E+00	1.31E-01	1.46E+01	2.07E-01	5.51E-05	1.25E-01	2.57E-02	3.58E-01	2.32E-01	1.31E+01	1.25E+00	1.31E-01	1.47E+01
3606	496863.09	3850377.25	2.8219	1.14813	12.377	2.06703	2.15E-01	1.23E+01	1.37E+00	1.18E-01	1.40E+01	2.09E-01	5.18E-05	1.37E-01	2.31E-02	3.69E-01	2.34E-01	1.23E+01	1.37E+00	1.18E-01	1.40E+01
3607	497363.09	3850377.25	2.82334	1.24675	11.507	1.77482	2.15E-01	1.33E+01	1.27E+00	1.01E-01	1.49E+01	2.09E-01	5.62E-05	1.27E-01	1.99E-02	3.56E-01	2.34E-01	1.33E+01	1.27E+00	1.01E-01	1.49E+01
3608	497863.09	3850377.25	2.82041	1.28303	12.584	1.49901	2.15E-01	1.37E+01	1.39E+00	8.57E-02	1.54E+01	2.09E-01	5.78E-05	1.39E-01	1.68E-02	3.65E-01	2.34E-01	1.37E+01	1.39E+00	8.57E-02	1.54E+01
3609	498363.09	3850377.25	2.81619	1.24708	12.562	1.59901	2.15E-01	1.33E+01	1.39E+00	9.14E-02	1.50E+01	2.08E-01	5.62E-05	1.39E-01	1.79E-02	3.65E-01	2.34E-01	1.33E+01	1.39E+00	9.14E-02	1.50E+01
3610	471363.09	3850877.25	4.70526	1.29697	14.353	3.10022	3.59E-01	1.38E+01	1.59E+00	1.77E-01	1.60E+01	3.48E-01	5.85E-05	1.59E-01	3.47E-02	5.42E-01	3.91E-01	1.38E+01	1.59E+00	1.77E-01	1.60E+01
3611	471863.09	3850877.25	5.53878	1.65031	18.068	3.58048	4.22E-01	1.76E+01	2.00E+00	2.05E-01	2.02E+01	4.10E-01	7.44E-05	2.00E-01	4.01E-02	6.50E-01	4.60E-01	1.76E+01	2.00E+00	2.05E-01	2.03E+01
3612	472363.09	3850877.25	6.31598	2.3233	19.539	3.66529	4.81E-01	2.48E+01	2.16E+00	2.10E-01	2.76E+01	4.68E-01	1.05E-04	2.16E-01	4.10E-02	7.25E-01	5.24E-01	2.48E+01	2.16E+00	2.10E-01	2.77E+01
3613	472863.09	3850877.25	8.60662	3.65716	17.598	3.05815	6.56E-01	3.90E+01	1.95E+00	1.75E-01	4.18E+01	6.37E-01	1.65E-04	1.95E-01	3.42E-02	8.66E-01	7.15E-01	3.90E+01	1.95E+00	1.75E-01	4.19E+01
3614	473363.09	3850877.25	9.92343	4.09956	12.696	2.33386	7.56E-01	4.37E+01	1.40E+00	1.33E-01	4.60E+01	7.35E-01	1.85E-04	1.40E-01	2.61E-02	9.01E-01	8.24E-01	4.37E+01	1.40E+00	1.33E-01	4.61E+01
3615	473863.09	3850877.25	10.1774	6.12419	8.4091	2.26773	7.76E-01	6.54E+01	9.30E-01	1.30E-01	6.72E+01	7.53E-01	2.76E-04	9.30E-02	2.54E-02	8.72E-01	8.45E-01	6.54E+01	9.30E-01	1.30E-01	6.73E+01
3616	474363.09	3850877.25	9.65755	7.9141	6.3096	2.49901	7.36E-01	8.45E+01	6.98E-01	1.43E-01	8.60E+01	7.15E-01	3.57E-04	6.98E-02	2.80E-02	8.13E-01	8.02E-01	8.45E+01	6.98E-01	1.43E-01	8.61E+01
3617	474863.09	3850877.25	9.8731	7.94261	6.2537	2.49497	7.53E-01	8.48E+01	6.91E-01	1.43E-01	8.63E+01	7.31E-01	3.58E-04	6.91E-02	2.79E-02	8.28E-01	8.20E-01	8.48E+01	6.91E-01	1.43E-01	8.64E+01
3618	475363.09	3850877.25	9.60954	8.23204	6.5737	2.91365	7.32E-01	8.78E+01	7.27E-01	1.67E-01	8.95E+01	7.11E-01	3.71E-04	7.27E-02	3.26E-02	8.17E-01	7.98E-01	8.79E+01	7.27E-01	1.67E-01	8.95E+01
3619	475863.09	3850877.25	12.1525	8.19266	8.3162	3.86871	9.26E-01	8.74E+01	9.19E-01	2.21E-01	8.95E+01	9.00E-01	3.69E-04	9.19E-02	4.33E-02	1.04E+00	1.01E+00	8.74E+01	9.19E-01	2.21E-01	8.96E+01
3620	476363.09	3850877.25	10.9138	7.87796	8.7296	4.91005	8.32E-01	8.41E+01	9.65E-01	2.81E-01	8.61E+01	8.08E-01	3.55E-04	9.65E-02	5.50E-02	9.60E-01	9.06E-01	8.41E+01	9.65E-01	2.81E-01	8.62E+01
3621	476863.09	3850877.25	12.4052	8.04351	7.6844	5.85311	9.46E-01	8.58E+01	8.50E-01	3.35E-01	8.80E+01	9.18E-01	3.63E-04	8.50E-02	6.55E-02	1.07E+00	1.03E+00	8.58E+01	8.50E-01	3.35E-01	8.81E+01
3622	477363.09	3850877.25	14.0569	11.421	8.0608	6.4298	1.07E+00	1.22E+02	8.91E-01	3.68E-01	1.24E+02	1.04E+00	5.15E-04	8.91E-02	7.20E-02	1.20E+00	1.17E+00	1.22E+02	8.91E-01	3.68E-01	1.24E+02
3623	477863.09	3850877.25	14.8542	12.6245	10.576	6.38086	1.13E+00	1.35E+02	1.17E+00	3.65E-01	1.37E+02	1.10E+00	5.69E-04	1.17E-01	7.14E-02	1.29E+00	1.23E+00	1.35E+02	1.17E+00	3.65E-01	1.37E+02
3624	478363.09	3850877.25	15.4888	10.6824	13.101	5.61479	1.18E+00	1.14E+02	1.45E+00	3.21E-01	1.17E+02	1.15E+00	4.82E-04	1.45E-01	6.29E-02	1.35E+00	1.29E+00	1.14E+02	1.45E+00	3.21E-01	1.17E+02
3625	478863.09	3850877.25	15.4705	10.8999	15.111	4.33327	1.18E+00	1.16E+02	1.67E+00	2.48E-01	1.19E+02	1.15E+00	4.91E-04	1.67E-01	4.85E-02	1.36E+00	1.28E+00	1.16E+02	1.67E+00	2.48E-01	1.20E+02
3626	479363.09	3850877.25	18.4145	9.96099	15.991	3.12023	1.40E+00	1.06E+02	1.77E+00	1.78E-01	1.10E+02	1.36E+00	4.49E-04	1.77E-01	3.49E-02	1.58E+00	1.53E+00	1.06E+02	1.77E+00	1.78E-01	1.10E+02
3627	479863.09	3850877.25	19.6924	7.73696	15.315	5.7342	1.50E+00	8.26E+01	1.69E+00	3.28E-01	8.61E+01	1.46E+00	3.49E-04	1.69E-01	6.42E-02	1.69E+00	1.63E+00	8.26E+01	1.69E+00	3.28E-01	8.62E+01
3628	480363.09	3850877.25	20.9266	6.52756	13.142	5.14641	1.60E+00	6.97E+01	1.45E+00	2.94E-01	7.30E+01	1.55E+00	2.94E-04	1.45E-01	5.76E-02	1.75E+00	1.74E+00	6.97E+01	1.45E+00	2.94E-01	7.31E+01
3629	480863.09	3850877.25	25.3674	5.76264	9.9824	6.01153	1.93E+00	6.15E+01	1.10E+00	3.44E-01	6.49E+01	1.88E+00	2.60E-04	1.10E-01	6.73E-02	2.06E+00	2.11E+00	6.15E+01	1.10E+00	3.44E-01	6.51E+01
3630	481363.09	3850877.25	23.8319	4.83184	9.959	7.04829	1.82E+00	5.16E+01	1.10E+00	4.03E-01	5.49E+01	1.76E+00	2.18E-04	1.10E-01	7.89E-02	1.95E+00	1.98E+00	5.16E+01	1.10E+00	4.03E-01	5.50E+01
3631	481863.09	3850877.25	21.7877	4.12152	41.449	5.05558	1.66E+00	4.40E+01	4.58E+00	2.89E-01	5.05E+01	1.61E+00	1.86E-04	4.58E-01	5.66E-02	2.13E+00	1.81E+00	4.40E+01	4.58E+00	2.89E-01	5.07E+01
3632	482363.09	3850877.25	13.5897	2.76337	48.364	5.54164	1.04E+00	2.95E+01	5.35E+00	3.17E-01	3.62E+01	1.01E+00	1.25E-04	5.35E-01	6.20E-02	1.60E+00	1.13E+00	2.95E+01	5.35E+00	3.17E-01	3.63E+01
3633	482863.09	3850877.25	7.26528	2.13233	13.43	9.28856	5.54E-01	2.28E+01	1.48E+00	5.31E-01	2.53E+01	5.38E-01	9.61E-05	1.48E-01	1.04E-01	7.90E-01	6.03E-01	2.28E+01	1.48E+00	5.31E-01	2.54E+01
3634	483363.09	3850877.25	6.25232	1.90032	16.968	3.65331	4.77E-01	2.03E+01	1.88E+00	2.09E-01	2.28E+01	4.63E-01	8.57E-05	1.88E-01	4.09E-02	6.91E-01	5.19E-01	2.03E+01	1.88E+00	2.09E-01	2.29E+01
3635	483863.09	3850877.25	7.88159	1.48551	25.134	3.38719	6.01E-01	1.59E+01	2.78E+00	1.94E-01	1.94E+01	5.84E-01	6.70E-05	2.78E-01	3.79E-02	8.99E-01	6.54E-01	1.59E+01	2.78E+00	1.94E-01	1.95E+01
3636	484363.09	3850877.25	6.80244	2.39247	28.38	3.58684	5.18E-01	2.55E+01	3.14E+00	2.05E-01	2.94E+01	5.04E-01	1.08E-04	3.14E-01	4.02E-02	8.58E-01	5.65E-01	2.55E+01	3.14E+00	2.05E-01	2.94E+01
3637	484863.09	3850877.25	4.89797	2.30037	16.44	4.1432	3.73E-01	2.45E+01	1.82E+00	2.37E-01	2.70E+01	3.63E-01	1.04E-04	1.82E-01	4.64E-02	5.91E-01	4.07E-01	2.45E+01	1.82E+00	2.37E-01	2.70E+01
3638	485363.09	3850877.25	4.87534	2.02433	22.602	3.86302	3.72E-01	2.16E+01	2.50E+00	2.21E-01	2.47E+01	3.61E-01	9.13E-05	2.50E-01	4.32E-02	6.54E-01	4.05E-01	2.16E+01	2.50E+00	2.21E-01	2.47E+01
3639	485863.09	3850877.25	4.42966	2.29506	27.974	3.81742	3.38E-01	2.45E+01	3.09E+00	2.18E-01	2.81E+01	3.28E-01	1.03E-04	3.09E-01	4.27E-02	6.80E-01	3.68E-01	2.45E+01	3.09E+00	2.18E-01	2.82E+01
3640	486363.09	3850877.25	3.21841	1.82457	27.937	3.46972	2.45E-01	1.95E+01	3.09E+00	1.98E-01	2.30E+01	2.38E-01	8.22E-05	3.09E-01	3.88E-02	5.86E-01	2.67E-01	1.95E+01	3.09E+00	1.98E-01	2.30E+01
3641	486863.09	3850877.25	3.18986	2.45506	32.111	3.36835	2.43E-01	2.62E+01	3.55E+00	1.93E-01	3.02E+01	2.36E-01	1.11E-04	3.55E-01	3.77E-02	6.29E-01	2.65E-01	2.62E+01	3.55E+00	1.93E-01	3.02E+01
3642	487363.09	3850877.25	2.24137	2.48612	12.168	3.44885	1.71E-01	2.65E+01	1.35E+00	1.97E-01	2.82E+01	1.66E-01	1.12E-04	1.35E-01	3.86E-02	3.39E-01	1.86E-01	2.65E+01	1.35E+00	1.97E-01	2.83E+01
3643	487863.09	3850877.25	2.22937	1.27411	14.77	2.98461	1.70E-01	1.36E+01	1.63E+00	1.71E-01	1.56E+01	1.65E-01	5.74E-05	1.63E-01	3.34E-02	3.62E-01	1.85E-01	1.36E+01	1.63E+00	1.71E-01	1.56E+01
3644	488363.09	3850877.25	3.06293	1.48369	20.941	3.08733	2.33E-01	1.58E+01	2.32E+00	1.77E-01	1.86E+01	2.27E-01	6.69E-05	2.32E-01	3.46E-02	4.93E-01	2.54E-01	1.58E+01	2.32E+00	1.77E-01	1.86E+01
3645	488863.09	3850877.25	3.36779	1.46814	20.305	3.22817	2.57E-01	1.57E+01	2.24E+00	1.85E-01	1.84E+01	2.49E-01	6.62E-05	2.24E-01	3.61E-02	5.10E-01	2.80E-01	1.57E+01	2.24E+00	1.85E-01	1.84E+01
3646	489363.09	3850877.25	3.36962	1.23804	18.437	2.70136	2.57E-01	1.32E+01	2.04E+00	1.54E-01	1.57E+01	2.49E-01	5.58E-05	2.04E-01	3.02E-02	4.84E-01	2.80E-01	1.32E+01	2.04E+00	1.54E-01	1.57E+01
3647	489863.09	3850877.25	3.36164	0.96406	18.251	2.82578	2.56E-01	1.03E+01	2.02E+00	1.62E-01	1.27E+01	2.49E-01	4.35E-05	2.02E-01	3.16E-02	4.82E-01	2.79E-01	1.03E+01	2.02E+00	1.62E-01	1.27E+01
3648	490363.09	3850877.25	3.35364	0.80872	18.026	2.64903	2.56E-01	8.63E+00	1.99E+00	1.51E-01	1.10E+01	2.48E-01	3.65E-05	1.99E-01	2.97E-02	4.77E-01	2.78E-01	8.63E+00	1.99E+00	1.51E-01	1.11E+01
3649	490863.09	3850877.25	3.32741	0.79018	18.694	2.39389	2.54E-01	8.43E+00	2.07E+00	1.37E-01	1.09E+01	2.46E-01	3.56E-05	2.07E-01	2.68E-02	4.80E-01	2.76E-01	8.43E+00	2.07E+00	1.37E-01	1.09E+01
3650	491363.09	3850877.25	2.96346	0.65453	15.968	2.31236	2.26E-01	6.98E+00	1.77E+00	1.32E-01	9.11E+00	2.19E-01	2.95E-05	1.77E-01	2.59E-02	4.22E-01	2.46E-01	6.98E+00	1.77E+00	1.32E-01	9.13E+00
3651	491863.09	3850877.25	1.71779	0.84184	12.613	2.471	1.31E-01	8.98E+00	1.39E+00	1.41E-01	1.07E+01	1.27E-01	3.79E-05	1.39E-01	2.77E-02	2.94E-01	1.43E-01	8.98E+00	1.39E+00	1.41E-01	1.07E+01
3652	492363.09	3850877.25	1.4612	1.35008	12.949	1.9117	1.11E-01	1.44E+01	1.43E+00	1.09E-01	1.61E+01	1.08E-01	6.09E-05	1.43E-01	2.14E-02	2.73E-01	1.21E-01	1.44E+01	1.43E+00	1.09E-01	1.61E+01
3653	492863.09	3850877.25	1.45847	1.68026	11.256	1.88437	1.11E-01	1.79E+01	1.24E+00	1.08E-01	1.94E+01	1.08E-01	7.57E-05	1.24E-01	2.11E-02	2.54E-01	1.21E-01	1.79E+01	1.24E+00	1.08E-01	1.94E+01
3654	493363.09	3850877.25	1.45579	1.59291	15.991	1.87154	1.11E-01	1.70E+01	1.77E+00	1.07E-01	1.90E+01	1.08E-01	7.18E-05	1.77E-01	2.10E-02	3.06E-01	1.21E-01	1.70E+01	1.77E+00	1.07E-01	1.90E+01
3655	493863.09	3850877.25	1.64705	1.34061	16.074	2.2414	1.26E-01	1.43E+01	1.78E+00	1.28E-01	1.63E+01	1.22E-01	6.04E-05	1.78E-01	2.51E-02	3.25E-01	1.37E-01	1.43E+01	1.78E+00	1.28E-01	1.63E+01
3656	494363.09	3850877.25	2.39136	1.62981	12.255	2.47929	1.82E-01	1.74E+01	1.35E+00	1.42E-01	1.91E+01	1.77E-01	7.35E-05	1.35E-01	2.78E-02	3.40E-01	1.99E-01	1.74E+01	1.35E+00	1.42E-01	1.91E+01

3657	494863.09	3850877.25	2.7244	2.15418	11.816	2.53926	2.08E-01	2.30E+01	1.31E+00	1.45E-01	2.46E+01	2.02E-01	9.71E-05	1.31E-01	2.84E-02	3.61E-01	2.26E-01	2.30E+01	1.31E+00	1.45E-01	2.47E+01
3658	495363.09	3850877.25	2.81274	2.02019	12.773	2.42346	2.14E-01	2.16E+01	1.41E+00	1.39E-01	2.33E+01	2.08E-01	9.11E-05	1.41E-01	2.71E-02	3.77E-01	2.34E-01	2.16E+01	1.41E+00	1.39E-01	2.33E+01
3659	495863.09	3850877.25	2.825	1.37004	12.142	2.177	2.15E-01	1.46E+01	1.34E+00	1.24E-01	1.63E+01	2.09E-01	6.18E-05	1.34E-01	2.44E-02	3.68E-01	2.35E-01	1.46E+01	1.34E+00	1.24E-01	1.63E+01
3660	496363.09	3850877.25	2.82348	1.26464	12.932	1.84586	2.15E-01	1.35E+01	1.43E+00	1.06E-01	1.52E+01	2.09E-01	5.70E-05	1.43E-01	2.07E-02	3.73E-01	2.34E-01	1.35E+01	1.43E+00	1.06E-01	1.53E+01
3661	496863.09	3850877.25	2.81939	1.29246	12.424	1.84869	2.15E-01	1.38E+01	1.37E+00	1.06E-01	1.55E+01	2.09E-01	5.83E-05	1.37E-01	2.07E-02	3.67E-01	2.34E-01	1.38E+01	1.37E+00	1.06E-01	1.55E+01
3662	497363.09	3850877.25	2.8156	1.24559	13.264	1.89844	2.15E-01	1.33E+01	1.47E+00	1.09E-01	1.51E+01	2.08E-01	5.61E-05	1.47E-01	2.13E-02	3.76E-01	2.34E-01	1.33E+01	1.47E+00	1.09E-01	1.51E+01
3663	497863.09	3850877.25	2.81129	1.12882	12.864	1.8881	2.14E-01	1.20E+01	1.42E+00	1.08E-01	1.38E+01	2.08E-01	5.09E-05	1.42E-01	2.11E-02	3.72E-01	2.33E-01	1.20E+01	1.42E+00	1.08E-01	1.38E+01
3664	498363.09	3850877.25	2.80153	0.97468	11.914	1.85435	2.14E-01	1.04E+01	1.32E+00	1.06E-01	1.20E+01	2.07E-01	4.39E-05	1.32E-01	2.08E-02	3.60E-01	2.33E-01	1.04E+01	1.32E+00	1.06E-01	1.21E+01
3665	471363.09	3851377.25	6.55754	1.75486	18.842	3.1589	5.00E-01	1.87E+01	2.08E+00	1.81E-01	2.15E+01	4.85E-01	7.91E-05	2.08E-01	3.54E-02	7.29E-01	5.44E-01	1.87E+01	2.08E+00	1.81E-01	2.15E+01
3666	471863.09	3851377.25	7.56337	2.29281	18.337	3.739	5.76E-01	2.45E+01	2.03E+00	2.14E-01	2.73E+01	5.60E-01	1.03E-04	2.03E-01	4.19E-02	8.05E-01	6.28E-01	2.45E+01	2.03E+00	2.14E-01	2.73E+01
3667	472363.09	3851377.25	6.83396	1.82513	16.416	4.01745	5.21E-01	1.95E+01	1.81E+00	2.30E-01	2.20E+01	5.06E-01	8.23E-05	1.81E-01	4.50E-02	7.32E-01	5.67E-01	1.95E+01	1.81E+00	2.30E-01	2.21E+01
3668	472863.09	3851377.25	7.06285	2.03101	20.009	4.27763	5.38E-01	2.17E+01	2.21E+00	2.45E-01	2.47E+01	5.23E-01	9.16E-05	2.21E-01	4.79E-02	7.92E-01	5.86E-01	2.17E+01	2.21E+00	2.45E-01	2.47E+01
3669	473363.09	3851377.25	5.89264	1.7519	19.897	3.49795	4.49E-01	1.87E+01	2.20E+00	2.00E-01	2.15E+01	4.36E-01	7.90E-05	2.20E-01	3.92E-02	6.95E-01	4.89E-01	1.87E+01	2.20E+00	2.00E-01	2.16E+01
3670	473863.09	3851377.25	7.48601	2.78208	18.049	2.81027	5.71E-01	2.97E+01	2.00E+00	1.61E-01	3.24E+01	5.54E-01	1.25E-04	2.00E-01	3.15E-02	7.85E-01	6.21E-01	2.97E+01	2.00E+00	1.61E-01	3.25E+01
3671	474363.09	3851377.25	10.5229	4.80172	14.424	2.45291	8.02E-01	5.12E+01	1.59E+00	1.40E-01	5.38E+01	7.79E-01	2.16E-04	1.59E-01	2.75E-02	9.66E-01	8.74E-01	5.12E+01	1.59E+00	1.40E-01	5.39E+01
3672	474863.09	3851377.25	11.366	7.15313	9.5462	2.37631	8.66E-01	7.63E+01	1.06E+00	1.36E-01	7.84E+01	8.41E-01	3.22E-04	1.06E-01	2.66E-02	9.74E-01	9.44E-01	7.63E+01	1.06E+00	1.36E-01	7.85E+01
3673	475363.09	3851377.25	10.2935	8.36173	6.6795	2.5113	7.85E-01	8.92E+01	7.38E-01	1.44E-01	9.09E+01	7.62E-01	3.77E-04	7.38E-02	2.81E-02	8.64E-01	8.55E-01	8.92E+01	7.38E-01	1.44E-01	9.10E+01
3674	475863.09	3851377.25	11.0489	8.20459	6.5988	2.68619	8.42E-01	8.76E+01	7.30E-01	1.54E-01	8.93E+01	8.18E-01	3.70E-04	7.30E-02	3.01E-02	9.21E-01	9.17E-01	8.76E+01	7.30E-01	1.54E-01	8.94E+01
3675	476363.09	3851377.25	10.9415	7.98558	7.2897	3.66493	8.34E-01	8.52E+01	8.06E-01	2.10E-01	8.71E+01	8.10E-01	3.60E-04	8.06E-02	4.10E-02	9.32E-01	9.08E-01	8.52E+01	8.06E-01	2.10E-01	8.71E+01
3676	476863.09	3851377.25	14.5626	7.87701	8.7618	4.79805	1.11E+00	8.41E+01	9.69E-01	2.74E-01	8.64E+01	1.08E+00	3.55E-04	9.69E-02	5.37E-02	1.23E+00	1.21E+00	8.41E+01	9.69E-01	2.74E-01	8.65E+01
3677	477363.09	3851377.25	13.0343	9.0445	8.6532	5.92556	9.93E-01	9.65E+01	9.57E-01	3.39E-01	9.88E+01	9.65E-01	4.08E-04	9.57E-02	6.63E-02	1.13E+00	1.08E+00	9.65E+01	9.57E-01	3.39E-01	9.89E+01
3678	477863.09	3851377.25	14.0203	11.7076	8.2682	6.72692	1.07E+00	1.25E+02	9.14E-01	3.85E-01	1.27E+02	1.04E+00	5.28E-04	9.14E-02	7.53E-02	1.21E+00	1.16E+00	1.25E+02	9.14E-01	3.85E-01	1.27E+02
3679	478363.09	3851377.25	16.2369	13.7858	10.161	6.86096	1.24E+00	1.47E+02	1.12E+00	3.92E-01	1.50E+02	1.20E+00	6.21E-04	1.12E-01	7.68E-02	1.39E+00	1.35E+00	1.47E+02	1.12E+00	3.92E-01	1.50E+02
3680	478863.09	3851377.25	16.4804	11.4904	13.019	6.14438	1.26E+00	1.23E+02	1.44E+00	3.51E-01	1.26E+02	1.22E+00	5.18E-04	1.44E-01	6.88E-02	1.43E+00	1.37E+00	1.23E+02	1.44E+00	3.51E-01	1.26E+02
3681	479363.09	3851377.25	16.6489	11.8924	15.5	4.74749	1.27E+00	1.27E+02	1.71E+00	2.71E-01	1.30E+02	1.23E+00	5.36E-04	1.71E-01	5.31E-02	1.46E+00	1.38E+00	1.27E+02	1.71E+00	2.71E-01	1.30E+02
3682	479863.09	3851377.25	18.9317	10.7339	16.879	3.18091	1.44E+00	1.15E+02	1.87E+00	1.82E-01	1.18E+02	1.40E+00	4.84E-04	1.87E-01	3.56E-02	1.62E+00	1.57E+00	1.15E+02	1.87E+00	1.82E-01	1.18E+02
3683	480363.09	3851377.25	22.8008	8.7004	16.533	3.51543	1.74E+00	9.28E+01	1.83E+00	2.01E-01	9.66E+01	1.69E+00	3.92E-04	1.83E-01	3.94E-02	1.91E+00	1.89E+00	9.28E+01	1.83E+00	2.01E-01	9.68E+01
3684	480863.09	3851377.25	23.8419	6.64569	14.359	3.93272	1.82E+00	7.09E+01	1.59E+00	2.25E-01	7.46E+01	1.77E+00	3.00E-04	1.59E-01	4.40E-02	1.97E+00	1.98E+00	7.09E+01	1.59E+00	2.25E-01	7.47E+01
3685	481363.09	3851377.25	26.1693	6.56169	10.918	4.43479	1.99E+00	7.00E+01	1.21E+00	2.54E-01	7.35E+01	1.94E+00	2.96E-04	1.21E-01	4.96E-02	2.11E+00	2.17E+00	7.00E+01	1.21E+00	2.54E-01	7.37E+01
3686	481863.09	3851377.25	24.8451	4.81286	10.688	4.63968	1.89E+00	5.14E+01	1.18E+00	2.65E-01	5.47E+01	1.84E+00	2.17E-04	1.18E-01	5.19E-02	2.01E+00	2.06E+00	5.14E+01	1.18E+00	2.65E-01	5.49E+01
3687	482363.09	3851377.25	22.3911	3.97593	40.64	5.45776	1.71E+00	4.24E+01	4.49E+00	3.12E-01	4.89E+01	1.66E+00	1.79E-04	4.49E-01	6.11E-02	2.17E+00	1.86E+00	4.24E+01	4.49E+00	3.12E-01	4.91E+01
3688	482863.09	3851377.25	16.0685	2.34806	44.772	9.62218	1.22E+00	2.51E+01	4.95E+00	5.50E-01	3.18E+01	1.19E+00	1.06E-04	4.95E-01	1.08E-01	1.79E+00	1.33E+00	2.51E+01	4.95E+00	5.50E-01	3.19E+01
3689	483363.09	3851377.25	5.83451	1.95448	8.606	4.78171	4.45E-01	2.09E+01	9.51E-01	2.73E-01	2.25E+01	4.32E-01	8.81E-05	9.51E-02	5.35E-02	5.81E-01	4.84E-01	2.09E+01	9.51E-01	2.73E-01	2.26E+01
3690	483863.09	3851377.25	7.89134	1.41832	28.419	3.43144	6.01E-01	1.51E+01	3.14E+00	1.96E-01	1.91E+01	5.84E-01	6.39E-05	3.14E-01	3.84E-02	9.37E-01	6.55E-01	1.51E+01	3.14E+00	1.96E-01	1.91E+01
3691	484363.09	3851377.25	8.7759	3.32054	79.204	3.77388	6.69E-01	3.54E+01	8.76E+00	2.16E-01	4.51E+01	6.50E-01	1.50E-04	8.76E-01	4.22E-02	1.57E+00	7.29E-01	3.54E+01	8.76E+00	2.16E-01	4.51E+01
3692	484863.09	3851377.25	4.90065	1.62467	13.474	3.47095	3.74E-01	1.73E+01	1.49E+00	1.98E-01	1.94E+01	3.63E-01	7.32E-05	1.49E-01	3.89E-02	5.51E-01	4.07E-01	1.73E+01	1.49E+00	1.98E-01	1.94E+01
3693	485363.09	3851377.25	9.78015	2.20996	21.759	4.21514	7.45E-01	2.36E+01	2.41E+00	2.41E-01	2.70E+01	7.24E-01	9.96E-05	2.41E-01	4.72E-02	1.01E+00	8.12E-01	2.36E+01	2.41E+00	2.41E-01	2.70E+01
3694	485863.09	3851377.25	4.64417	2.34128	28.158	3.83581	3.54E-01	2.50E+01	3.11E+00	2.19E-01	2.87E+01	3.44E-01	1.06E-04	3.11E-01	4.29E-02	6.98E-01	3.86E-01	2.50E+01	3.11E+00	2.19E-01	2.87E+01
3695	486363.09	3851377.25	3.23422	1.84249	27.763	6.26004	2.47E-01	1.97E+01	3.07E+00	3.58E-01	2.33E+01	2.39E-01	8.31E-05	3.07E-01	7.01E-02	6.17E-01	2.69E-01	1.97E+01	3.07E+00	3.58E-01	2.34E+01
3696	486863.09	3851377.25	3.19959	2.33846	49.003	3.86523	2.44E-01	2.50E+01	5.42E+00	2.21E-01	3.08E+01	2.37E-01	1.05E-04	5.42E-01	4.33E-02	8.22E-01	2.66E-01	2.50E+01	5.42E+00	2.21E-01	3.09E+01
3697	487363.09	3851377.25	2.23969	2.62073	12.54	3.38797	1.71E-01	2.80E+01	1.39E+00	1.94E-01	2.97E+01	1.66E-01	1.18E-04	1.39E-01	3.79E-02	3.42E-01	1.86E-01	2.80E+01	1.39E+00	1.94E-01	2.97E+01
3698	487863.09	3851377.25	2.89917	1.46573	15.533	3.05109	2.21E-01	1.56E+01	1.72E+00	1.74E-01	1.78E+01	2.15E-01	6.61E-05	1.72E-01	3.42E-02	4.21E-01	2.41E-01	1.56E+01	1.72E+00	1.74E-01	1.78E+01
3699	488363.09	3851377.25	3.36594	1.49941	21.554	2.91233	2.57E-01	1.60E+01	2.38E+00	1.67E-01	1.88E+01	2.49E-01	6.76E-05	2.38E-01	3.26E-02	5.20E-01	2.79E-01	1.60E+01	2.38E+00	1.67E-01	1.88E+01
3700	488863.09	3851377.25	3.37137	1.30556	19.682	3.24672	2.57E-01	1.39E+01	2.18E+00	1.86E-01	1.66E+01	2.50E-01	5.89E-05	2.18E-01	3.63E-02	5.04E-01	2.80E-01	1.39E+01	2.18E+00	1.86E-01	1.66E+01
3701	489363.09	3851377.25	3.36338	1.01256	20.13	2.96678	2.56E-01	1.08E+01	2.23E+00	1.70E-01	1.35E+01	2.49E-01	4.56E-05	2.23E-01	3.32E-02	5.05E-01	2.79E-01	1.08E+01	2.23E+00	1.70E-01	1.35E+01
3702	489863.09	3851377.25	3.35541	0.94107	25.547	2.73924	2.56E-01	1.00E+01	2.82E+00	1.57E-01	1.33E+01	2.48E-01	4.24E-05	2.82E-01	3.07E-02	5.62E-01	2.79E-01	1.00E+01	2.82E+00	1.57E-01	1.33E+01
3703	490363.09	3851377.25	3.3434	0.74925	19.04	2.55657	2.55E-01	8.00E+00	2.11E+00	1.46E-01	1.05E+01	2.48E-01	3.38E-05	2.11E-01	2.86E-02	4.87E-01	2.78E-01	8.00E+00	2.11E+00	1.46E-01	1.05E+01
3704	490863.09	3851377.25	3.15425	0.78633	19.584	2.48144	2.40E-01	8.39E+00	2.17E+00	1.42E-01	1.09E+01	2.34E-01	3.54E-05	2.17E-01	2.78E-02	4.78E-01	2.62E-01	8.39E+00	2.17E+00	1.42E-01	1.10E+01
3705	491363.09	3851377.25	1.98135	0.73329	13.294	2.48517	1.51E-01	7.83E+00	1.47E+00	1.42E-01	9.59E+00	1.47E-01	3.31E-05	1.47E-01	2.78E-02	3.22E-01	1.64E-01	7.83E+00	1.47E+00	1.42E-01	9.60E+00
3706	491863.09	3851377.25	1.65696	1.24488	14.013	2.45117	1.26E-01	1.33E+01	1.55E+00	1.40E-01	1.51E+01	1.23E-01	5.61E-05	1.55E-01	2.74E-02	3.05E-01	1.38E-01	1.33E+01	1.55E+00	1.40E-01	1.51E+01
3707	492363.09	3851377.25	1.75798	1.65617	12.33	1.88487	1.34E-01	1.77E+01	1.36E+00	1.08E-01	1.93E+01	1.30E-01	7.47E-05	1.36E-01	2.11E-02	2.88E-01	1.46E-01	1.77E+01	1.36E+00	1.08E-01	1.93E+01
3708	492863.09	3851377.25	1.91292	1.6637	15.474	2.29818	1.46E-01	1.78E+01	1.71E+00	1.31E-01	1.97E+01	1.42E-01	7.50E-05	1.71E-01	2.57E-02	3.39E-01	1.59E-01	1.78E+01	1.71E+00	1.31E-01	1.98E+01
3709	493363.09	3851377.25	2.51834	1.35081	17.484	2.24023	1.92E-01	1.44E+01	1.93E+00	1.28E-01	1.67E+01	1.86E-01	6.09E-05	1.93E-01	2.51E-02	4.05E-01	2.09E-01	1.44E+01	1.93E+00	1.28E-01	1.67E+01
3710	493863.09	3851377.25	2.77327	1.48614	13.531	2.7077	2.11E-01	1.59E+01	1.50E+00	1.55E-01	1.77E+01	2.05E-01	6.70E-05	1.50E-01	3.03E-02	3.85E-01	2.30E-01	1.59E+01	1.50E+00	1.55E-01	1.77E+01
3711	494363.09	3851377.25	2.82287	2.10132	12.154	2.5788	2.15E-01	2.24E+01	1.34E+00	1.47E-01	2.41E+01	2.09E-01	9.47E-05	1.34E-01	2.89E-02	3.72E-01	2.34E-01	2.24E+01	1.34E+00	1.47E-01	2.42E+01
3712	494863.09	3851377.25	2.8263	2.14641	13.2	2.29931	2.15E-01	2.29E+01	1.46E+00	1.31E-01	2.47E+01	2.09E-01	9.68E-05	1.46E-01	2.57E-02	3.81E-01	2.35E-01	2.29E+01	1.46E+00	1.31E-01	2.47E+01
3713	495363.09	3851377.25	2.82328	1.52555	16.531	2.20581	2.15E-01	1.63E+01	1.83E+00	1.26E-01	1.84E+01	2.09E-01	6.88E-05	1.83E-01	2.47E-02	4.17E-01	2.34E-01	1.63E+01	1.83E+00	1.26E-01	1.85E+01
3714	495863.09	3851377.25	2.81899	1.30052	13.485	2.15567	2.15E-01	1.39E+01	1.49E+00	1.23E-01	1.57E+01	2.09E-01	5.86E-05	1.49E-01	2.41E-02	3.82E-01	2.34E-01	1.39E+01	1.49E+00	1.23E-01	1.57E+01
3715	496363.09	3851377.25	2.81542	1.24239	13.375	1.99306	2.15E-01	1.33E+01	1.48E+00	1.14E-01	1.51E+01	2.08E-01	5.60E-05	1.48E-01	2.23E-02	3.79E-01	2.34E-01	1.33E+01	1.48E+00	1.14E-01	1.51E+01
3716	496863.09	3851377.25	2.81116	1.11253	13.887	1.94804	2.14E-01	1.19E+01	1.54E+00	1.11E-01	1.37E+01	2.08E-01	5.02E-05	1.54E-01	2.18E-02	3.84E-01	2.33E-01	1.19E+01	1.54E+00	1.11E-01	1.38E+01
3717	497363.09	3851377.25	2.80226	0.95087	13.014	1.84558	2.14E-01	1.01E+01	1.44E+00	1.06E-01	1.19E+01	2.07E-01	4.29E-05	1.44E-01	2.07E-02	3.72E-01	2.33E-01	1.01E+01	1.44E+00	1.06E-01	1.19E+01

3718	497863.09	3851377.25	2.75608	0.7966	12.074	1.92578	2.10E-01	8.50E+00	1.33E+00	1.10E-01	1.02E+01	2.04E-01	3.59E-05	1.33E-01	2.16E-02	3.59E-01	2.29E-01	8.50E+00	1.33E+00	1.10E-01	1.02E+01
3719	498363.09	3851377.25	2.55549	0.77069	10.057	2.05292	1.95E-01	8.22E+00	1.11E+00	1.17E-01	9.65E+00	1.89E-01	3.47E-05	1.11E-01	2.30E-02	3.23E-01	2.12E-01	8.22E+00	1.11E+00	1.17E-01	9.67E+00
3720	471363.09	3851877.25	5.71397	2.01995	18.959	3.49293	4.36E-01	2.16E+01	2.10E+00	2.00E-01	2.43E+01	4.23E-01	9.11E-05	2.10E-01	3.91E-02	6.72E-01	4.74E-01	2.16E+01	2.10E+00	2.00E-01	2.43E+01
3721	471863.09	3851877.25	5.90548	1.8606	20.962	3.43742	4.50E-01	1.99E+01	2.32E+00	1.97E-01	2.28E+01	4.37E-01	8.39E-05	2.32E-01	3.85E-02	7.08E-01	4.90E-01	1.99E+01	2.32E+00	1.97E-01	2.29E+01
3722	472363.09	3851877.25	7.29939	2.21963	23.571	4.0636	5.56E-01	2.37E+01	2.61E+00	2.32E-01	2.71E+01	5.40E-01	1.00E-04	2.61E-01	4.55E-02	8.47E-01	6.06E-01	2.37E+01	2.61E+00	2.32E-01	2.71E+01
3723	472863.09	3851877.25	8.22091	2.30446	21.909	4.27369	6.27E-01	2.46E+01	2.42E+00	2.44E-01	2.79E+01	6.09E-01	1.04E-04	2.42E-01	4.78E-02	8.99E-01	6.83E-01	2.46E+01	2.42E+00	2.44E-01	2.79E+01
3724	473363.09	3851877.25	7.57073	1.54065	15.062	3.55365	5.77E-01	1.64E+01	1.67E+00	2.03E-01	1.89E+01	5.60E-01	6.95E-05	1.67E-01	3.98E-02	7.67E-01	6.29E-01	1.64E+01	1.67E+00	2.03E-01	1.89E+01
3725	473863.09	3851877.25	6.89983	1.74983	19.439	3.99964	5.26E-01	1.87E+01	2.15E+00	2.29E-01	2.16E+01	5.11E-01	7.89E-05	2.15E-01	4.48E-02	7.71E-01	5.73E-01	1.87E+01	2.15E+00	2.29E-01	2.16E+01
3726	474363.09	3851877.25	7.78789	2.42193	22.757	4.35497	5.94E-01	2.58E+01	2.52E+00	2.49E-01	2.92E+01	5.77E-01	1.09E-04	2.52E-01	4.88E-02	8.77E-01	6.47E-01	2.58E+01	2.52E+00	2.49E-01	2.93E+01
3727	474863.09	3851877.25	8.53027	4.12295	21.545	3.64317	6.50E-01	4.40E+01	2.38E+00	2.08E-01	4.72E+01	6.32E-01	1.86E-04	2.38E-01	4.08E-02	9.11E-01	7.08E-01	4.40E+01	2.38E+00	2.08E-01	4.73E+01
3728	475363.09	3851877.25	11.0091	6.09372	16.664	2.58573	8.39E-01	6.50E+01	1.84E+00	1.48E-01	6.79E+01	8.15E-01	2.75E-04	1.84E-01	2.89E-02	1.03E+00	9.14E-01	6.50E+01	1.84E+00	1.48E-01	6.79E+01
3729	475863.09	3851877.25	12.6024	7.80864	10.519	2.49598	9.61E-01	8.33E+01	1.16E+00	1.43E-01	8.56E+01	9.33E-01	3.52E-04	1.16E-01	2.79E-02	1.08E+00	1.05E+00	8.33E+01	1.16E+00	1.43E-01	8.57E+01
3730	476363.09	3851877.25	12.2539	7.06776	7.1018	2.52503	9.34E-01	7.54E+01	7.85E-01	1.44E-01	7.73E+01	9.07E-01	3.19E-04	7.85E-02	2.83E-02	1.01E+00	1.02E+00	7.54E+01	7.85E-01	1.44E-01	7.74E+01
3731	476863.09	3851877.25	12.6561	6.79692	6.9853	3.40655	9.65E-01	7.25E+01	7.72E-01	1.95E-01	7.45E+01	9.37E-01	3.06E-04	7.72E-02	3.81E-02	1.05E+00	1.05E+00	7.25E+01	7.72E-01	1.95E-01	7.46E+01
3732	477363.09	3851877.25	13.0666	7.12299	7.8946	4.62059	9.96E-01	7.60E+01	8.73E-01	2.64E-01	7.81E+01	9.67E-01	3.21E-04	8.73E-02	5.17E-02	1.11E+00	1.08E+00	7.60E+01	8.73E-01	2.64E-01	7.82E+01
3733	477863.09	3851877.25	17.0054	7.32522	9.0294	5.91984	1.30E+00	7.82E+01	9.98E-01	3.39E-01	8.08E+01	1.26E+00	3.30E-04	9.98E-02	6.63E-02	1.43E+00	1.41E+00	7.82E+01	9.98E-01	3.39E-01	8.09E+01
3734	478363.09	3851877.25	19.1466	8.43104	8.2973	6.97844	1.46E+00	9.00E+01	9.17E-01	3.99E-01	9.27E+01	1.42E+00	3.80E-04	9.17E-02	7.81E-02	1.59E+00	1.59E+00	9.00E+01	9.17E-01	3.99E-01	9.29E+01
3735	478863.09	3851877.25	19.9767	13.5526	9.5757	7.36373	1.52E+00	1.45E+02	1.06E+00	4.21E-01	1.48E+02	1.48E+00	6.11E-04	1.06E-01	8.24E-02	1.67E+00	1.66E+00	1.45E+02	1.06E+00	4.21E-01	1.48E+02
3736	479363.09	3851877.25	19.6167	11.6043	12.768	6.74698	1.50E+00	1.24E+02	1.41E+00	3.86E-01	1.27E+02	1.45E+00	5.23E-04	1.41E-01	7.55E-02	1.67E+00	1.63E+00	1.24E+02	1.41E+00	3.86E-01	1.27E+02
3737	479863.09	3851877.25	20.1447	13.1186	15.784	5.23525	1.54E+00	1.40E+02	1.75E+00	2.99E-01	1.44E+02	1.49E+00	5.91E-04	1.75E-01	5.86E-02	1.73E+00	1.67E+00	1.40E+02	1.75E+00	2.99E-01	1.44E+02
3738	480363.09	3851877.25	19.6029	11.1136	17.748	3.43593	1.49E+00	1.19E+02	1.96E+00	1.96E-01	1.22E+02	1.45E+00	5.01E-04	1.96E-01	3.85E-02	1.69E+00	1.63E+00	1.19E+02	1.96E+00	1.96E-01	1.22E+02
3739	480863.09	3851877.25	26.212	9.00326	17.841	3.37802	2.00E+00	9.61E+01	1.97E+00	1.93E-01	1.00E+02	1.94E+00	4.06E-04	1.97E-01	3.78E-02	2.18E+00	2.18E+00	9.61E+01	1.97E+00	1.93E-01	1.00E+02
3740	481363.09	3851877.25	27.28	7.18132	15.746	3.37493	2.08E+00	7.66E+01	1.74E+00	1.93E-01	8.07E+01	2.02E+00	3.24E-04	1.74E-01	3.78E-02	2.23E+00	2.26E+00	7.66E+01	1.74E+00	1.93E-01	8.08E+01
3741	481863.09	3851877.25	30.8346	6.47869	11.96	4.30196	2.35E+00	6.91E+01	1.32E+00	2.46E-01	7.31E+01	2.28E+00	2.92E-04	1.32E-01	4.82E-02	2.46E+00	2.56E+00	6.91E+01	1.32E+00	2.46E-01	7.33E+01
3742	482363.09	3851877.25	26.1738	4.65237	17.949	5.60386	1.99E+00	4.96E+01	1.98E+00	3.20E-01	5.39E+01	1.94E+00	2.10E-04	1.98E-01	6.27E-02	2.20E+00	2.17E+00	4.96E+01	1.98E+00	3.20E-01	5.41E+01
3743	482863.09	3851877.25	14.2687	3.3413	65.018	7.66596	1.09E+00	3.57E+01	7.19E+00	4.38E-01	4.44E+01	1.06E+00	1.51E-04	7.19E-01	8.58E-02	1.86E+00	1.18E+00	3.57E+01	7.19E+00	4.38E-01	4.45E+01
3744	483363.09	3851877.25	14.5375	1.99905	37.796	11.22649	1.11E+00	2.13E+01	4.18E+00	6.42E-01	2.73E+01	1.08E+00	9.01E-05	4.18E-01	1.26E-01	1.62E+00	1.21E+00	2.13E+01	4.18E+00	6.42E-01	2.74E+01
3745	483863.09	3851877.25	9.27551	2.29886	20.454	8.56583	7.07E-01	2.45E+01	2.26E+00	4.90E-01	2.80E+01	6.87E-01	1.04E-04	2.26E-01	9.59E-02	1.01E+00	7.70E-01	2.45E+01	2.26E+00	4.90E-01	2.81E+01
3746	484363.09	3851877.25	10.9036	3.25365	88.497	3.93061	8.31E-01	3.47E+01	9.78E+00	2.25E-01	4.56E+01	8.07E-01	1.47E-04	9.78E-01	4.40E-02	1.83E+00	9.05E-01	3.47E+01	9.78E+00	2.25E-01	4.56E+01
3747	484863.09	3851877.25	9.86915	3.31117	65.49	4.28268	7.52E-01	3.53E+01	7.24E+00	2.45E-01	4.36E+01	7.31E-01	1.49E-04	7.24E-01	4.79E-02	1.50E+00	8.19E-01	3.53E+01	7.24E+00	2.45E-01	4.36E+01
3748	485363.09	3851877.25	9.82595	3.13885	19.714	4.50166	7.49E-01	3.35E+01	2.18E+00	2.57E-01	3.67E+01	7.27E-01	1.41E-04	2.18E-01	5.04E-02	9.96E-01	8.16E-01	3.35E+01	2.18E+00	2.57E-01	3.67E+01
3749	485863.09	3851877.25	9.59644	2.48047	26.549	9.62202	7.31E-01	2.65E+01	2.94E+00	5.50E-01	3.07E+01	7.10E-01	1.12E-04	2.94E-01	1.08E-01	1.11E+00	7.97E-01	2.65E+01	2.94E+00	5.50E-01	3.08E+01
3750	486363.09	3851877.25	3.24129	1.89028	40.359	6.87623	2.47E-01	2.02E+01	4.46E+00	3.93E-01	2.53E+01	2.40E-01	8.52E-05	4.46E-01	7.70E-02	7.63E-01	2.69E-01	2.02E+01	4.46E+00	3.93E-01	2.53E+01
3751	486863.09	3851877.25	3.2066	2.1999	60.14	4.76183	2.44E-01	2.35E+01	6.65E+00	2.72E-01	3.06E+01	2.37E-01	9.92E-05	6.65E-01	5.33E-02	9.56E-01	2.66E-01	2.35E+01	6.65E+00	2.72E-01	3.07E+01
3752	487363.09	3851877.25	2.63722	2.7275	26.504	3.06294	2.01E-01	2.91E+01	2.93E+00	1.75E-01	3.24E+01	1.95E-01	1.23E-04	2.93E-01	3.43E-02	5.23E-01	2.19E-01	2.91E+01	2.93E+00	1.75E-01	3.24E+01
3753	487863.09	3851877.25	3.36242	1.51813	16.37	2.95648	2.56E-01	1.62E+01	1.81E+00	1.69E-01	1.84E+01	2.49E-01	6.84E-05	1.81E-01	3.31E-02	4.63E-01	2.79E-01	1.62E+01	1.81E+00	1.69E-01	1.85E+01
3754	488363.09	3851877.25	3.37307	1.37301	22.672	2.97794	2.57E-01	1.47E+01	2.51E+00	1.70E-01	1.76E+01	2.50E-01	6.19E-05	2.51E-01	3.33E-02	5.34E-01	2.80E-01	1.47E+01	2.51E+00	1.70E-01	1.76E+01
3755	488863.09	3851877.25	3.36513	1.10236	19.43	3.33257	2.56E-01	1.18E+01	2.15E+00	1.91E-01	1.44E+01	2.49E-01	4.97E-05	2.15E-01	3.73E-02	5.01E-01	2.79E-01	1.18E+01	2.15E+00	1.91E-01	1.44E+01
3756	489363.09	3851877.25	3.35715	0.84397	21.809	2.77732	2.56E-01	9.01E+00	2.41E+00	1.59E-01	1.18E+01	2.49E-01	3.80E-05	2.41E-01	3.11E-02	5.21E-01	2.79E-01	9.01E+00	2.41E+00	1.59E-01	1.19E+01
3757	489863.09	3851877.25	3.34865	0.97312	19.951	2.88959	2.55E-01	1.04E+01	2.21E+00	1.65E-01	1.30E+01	2.48E-01	4.39E-05	2.21E-01	3.23E-02	5.01E-01	2.78E-01	1.04E+01	2.21E+00	1.65E-01	1.30E+01
3758	490363.09	3851877.25	3.27111	0.76781	19.978	2.42925	2.49E-01	8.19E+00	2.21E+00	1.39E-01	1.08E+01	2.42E-01	3.46E-05	2.21E-01	2.72E-02	4.90E-01	2.72E-01	8.19E+00	2.21E+00	1.39E-01	1.08E+01
3759	490863.09	3851877.25	2.37906	0.72694	18.595	2.48119	1.81E-01	7.76E+00	2.06E+00	1.42E-01	1.01E+01	1.76E-01	3.28E-05	2.06E-01	2.78E-02	4.10E-01	1.98E-01	7.76E+00	2.06E+00	1.42E-01	1.02E+01
3760	491363.09	3851877.25	1.76083	1.12701	23.234	2.63164	1.34E-01	1.20E+01	2.57E+00	1.50E-01	1.49E+01	1.30E-01	5.08E-05	2.57E-01	2.95E-02	4.17E-01	1.46E-01	1.20E+01	2.57E+00	1.50E-01	1.49E+01
3761	491863.09	3851877.25	1.99136	1.60808	22.102	2.30864	1.52E-01	1.72E+01	2.44E+00	1.32E-01	1.99E+01	1.47E-01	7.25E-05	2.44E-01	2.58E-02	4.18E-01	1.65E-01	1.72E+01	2.44E+00	1.32E-01	1.99E+01
3762	492363.09	3851877.25	2.63338	1.72272	14.294	2.70283	2.01E-01	1.84E+01	1.58E+00	1.55E-01	2.03E+01	1.95E-01	7.77E-05	1.58E-01	3.03E-02	3.83E-01	2.19E-01	1.84E+01	1.58E+00	1.55E-01	2.03E+01
3763	492863.09	3851877.25	2.80584	1.40432	18.228	2.88388	2.14E-01	1.50E+01	2.02E+00	1.65E-01	1.74E+01	2.08E-01	6.33E-05	2.02E-01	3.23E-02	4.42E-01	2.33E-01	1.50E+01	2.02E+00	1.65E-01	1.74E+01
3764	493363.09	3851877.25	2.82765	1.35312	14.798	2.73904	2.16E-01	1.44E+01	1.64E+00	1.57E-01	1.64E+01	2.09E-01	6.10E-05	1.64E-01	3.07E-02	4.04E-01	2.35E-01	1.44E+01	1.64E+00	1.57E-01	1.65E+01
3765	493863.09	3851877.25	2.82607	1.99888	17.233	2.50097	2.15E-01	2.13E+01	1.91E+00	1.43E-01	2.36E+01	2.09E-01	9.01E-05	1.91E-01	2.80E-02	4.28E-01	2.35E-01	2.13E+01	1.91E+00	1.43E-01	2.36E+01
3766	494363.09	3851877.25	2.82214	2.25025	18.933	2.28251	2.15E-01	2.40E+01	2.09E+00	1.31E-01	2.65E+01	2.09E-01	1.01E-04	2.09E-01	2.56E-02	4.44E-01	2.34E-01	2.40E+01	2.09E+00	1.31E-01	2.65E+01
3767	494863.09	3851877.25	2.81832	1.68907	17.319	2.58265	2.15E-01	1.80E+01	1.91E+00	1.48E-01	2.03E+01	2.09E-01	7.61E-05	1.91E-01	2.89E-02	4.29E-01	2.34E-01	1.80E+01	1.91E+00	1.48E-01	2.03E+01
3768	495363.09	3851877.25	2.81451	1.23719	13.99	2.42249	2.15E-01	1.32E+01	1.55E+00	1.39E-01	1.51E+01	2.08E-01	5.58E-05	1.55E-01	2.71E-02	3.90E-01	2.34E-01	1.32E+01	1.55E+00	1.39E-01	1.51E+01
3769	495863.09	3851877.25	2.81029	1.09371	14.341	2.572	2.14E-01	1.17E+01	1.59E+00	1.47E-01	1.36E+01	2.08E-01	4.93E-05	1.59E-01	2.88E-02	3.95E-01	2.33E-01	1.17E+01	1.59E+00	1.47E-01	1.36E+01
3770	496363.09	3851877.25	2.80316	0.9543	14.41	2.55429	2.14E-01	1.02E+01	1.59E+00	1.46E-01	1.21E+01	2.08E-01	4.30E-05	1.59E-01	2.86E-02	3.95E-01	2.33E-01	1.02E+01	1.59E+00	1.46E-01	1.22E+01
3771	496863.09	3851877.25	2.75939	0.7734	13.207	1.9439	2.10E-01	8.25E+00	1.46E+00	1.11E-01	1.00E+01	2.04E-01	3.49E-05	1.46E-01	2.18E-02	3.72E-01	2.29E-01	8.25E+00	1.46E+00	1.11E-01	1.01E+01
3772	497363.09	3851877.25	2.54562	0.67181	11.828	1.99945	1.94E-01	7.17E+00	1.31E+00	1.14E-01	8.79E+00	1.88E-01	3.03E-05	1.31E-01	2.24E-02	3.42E-01	2.11E-01	7.17E+00	1.31E+00	1.14E-01	8.80E+00
3773	497863.09	3851877.25	1.9942	0.82169	9.1093	2.11971	1.52E-01	8.77E+00	1.01E+00	1.21E-01	1.00E+01	1.48E-01	3.70E-05	1.01E-01	2.37E-02	2.72E-01	1.66E-01	8.77E+00	1.01E+00	1.21E-01	1.01E+01
3774	498363.09	3851877.25	1.81714	0.90459	10.023	2.1429	1.39E-01	9.65E+00	1.11E+00	1.23E-01	1.10E+01	1.35E-01	4.08E-05	1.11E-01	2.40E-02	2.69E-01	1.51E-01	9.65E+00	1.11E+00	1.23E-01	1.10E+01
3775	471363.09	3852377.25	6.34102	1.87916	11.298	3.44752	4.83E-01	2.01E+01	1.25E+00	1.97E-01	2.20E+01	4.69E-01	8.47E-05	1.25E-01	3.86E-02	6.33E-01	5.26E-01	2.01E+01	1.25E+00	1.97E-01	2.20E+01
3776	471863.09	3852377.25	7.6757	1.85628	12.305	3.55186	5.85E-01	1.98E+01	1.36E+00	2.03E-01	2.20E+01	5.68E-01	8.37E-05	1.36E-01	3.98E-02	7.44E-01	6.37E-01	1.98E+01	1.36E+00	2.03E-01	2.20E+01
3777	472363.09	3852377.25	7.19249	1.99711	17.08	3.62837	5.48E-01	2.13E+01	1.89E+00	2.07E-01	2.40E+01	5.32E-01	9.00E-05	1.89E-01	4.06E-02	7.62E-01	5.97E-01	2.13E+01	1.89E+00	2.07E-01	2.40E+01
3778	472863.09	3852377.25	6.47018	2.24659	22.877	3.65243	4.93E-01	2.40E+01	2.53E+00	2.09E-01	2.72E+01	4.79E-01	1.01E-04	2.53E-01	4.09E-02	7.73E-01	5.37E-01	2.40E+01	2.53E+00	2.09E-01	2.73E+01

3779	473363.09	3852377.25	6.94575	2.29471	25.868	4.18685	5.29E-01	2.45E+01	2.86E+00	2.39E-01	2.81E+01	5.14E-01	1.03E-04	2.86E-01	4.69E-02	8.47E-01	5.77E-01	2.45E+01	2.86E+00	2.39E-01	2.82E+01
3780	473863.09	3852377.25	7.86047	2.00394	24.546	4.37788	5.99E-01	2.14E+01	2.71E+00	2.50E-01	2.49E+01	5.82E-01	9.03E-05	2.71E-01	4.90E-02	9.02E-01	6.53E-01	2.14E+01	2.71E+00	2.50E-01	2.50E+01
3781	474363.09	3852377.25	8.41811	1.5955	19.666	3.71437	6.42E-01	1.70E+01	2.17E+00	2.12E-01	2.01E+01	6.23E-01	7.19E-05	2.17E-01	4.16E-02	8.82E-01	6.99E-01	1.70E+01	2.17E+00	2.12E-01	2.01E+01
3782	474863.09	3852377.25	9.99201	2.56938	21.697	5.11864	7.62E-01	2.74E+01	2.40E+00	2.93E-01	3.09E+01	7.40E-01	1.16E-04	2.40E-01	5.73E-02	1.04E+00	8.30E-01	2.74E+01	2.40E+00	2.93E-01	3.09E+01
3783	475363.09	3852377.25	9.32203	3.19875	24.986	5.14241	7.11E-01	3.41E+01	2.76E+00	2.94E-01	3.79E+01	6.90E-01	1.44E-04	2.76E-01	5.76E-02	1.02E+00	7.74E-01	3.41E+01	2.76E+00	2.94E-01	3.80E+01
3784	475863.09	3852377.25	9.39412	4.37682	23.781	3.9609	7.16E-01	4.67E+01	2.63E+00	2.26E-01	5.03E+01	6.95E-01	1.97E-04	2.63E-01	4.43E-02	1.00E+00	7.80E-01	4.67E+01	2.63E+00	2.26E-01	5.03E+01
3785	476363.09	3852377.25	10.5115	5.33483	18.003	2.73379	8.01E-01	5.69E+01	1.99E+00	1.56E-01	5.99E+01	7.78E-01	2.40E-04	1.99E-01	3.06E-02	1.01E+00	8.73E-01	5.69E+01	1.99E+00	1.56E-01	6.00E+01
3786	476863.09	3852377.25	13.1429	6.35107	10.795	2.62723	1.00E+00	6.78E+01	1.19E+00	1.50E-01	7.01E+01	9.73E-01	2.86E-04	1.19E-01	2.94E-02	1.12E+00	1.09E+00	6.78E+01	1.19E+00	1.50E-01	7.02E+01
3787	477363.09	3852377.25	13.632	5.27349	7.5792	3.10833	1.04E+00	5.63E+01	8.38E-01	1.78E-01	5.83E+01	1.01E+00	2.38E-04	8.38E-02	3.48E-02	1.13E+00	1.13E+00	5.63E+01	8.38E-01	1.78E-01	5.84E+01
3788	477863.09	3852377.25	9.9412	2.62461	7.417	4.35294	7.58E-01	2.80E+01	8.20E-01	2.49E-01	2.98E+01	7.36E-01	1.18E-04	8.20E-02	4.87E-02	8.67E-01	8.25E-01	2.80E+01	8.20E-01	2.49E-01	2.99E+01
3789	478363.09	3852377.25	8.81302	3.32136	8.0254	5.81012	6.72E-01	3.54E+01	8.87E-01	3.32E-01	3.73E+01	6.52E-01	1.50E-04	8.87E-02	6.50E-02	8.06E-01	7.32E-01	3.54E+01	8.87E-01	3.32E-01	3.74E+01
3790	478863.09	3852377.25	15.9725	4.39574	8.6027	7.17218	1.22E+00	4.69E+01	9.51E-01	4.10E-01	4.95E+01	1.18E+00	1.98E-04	9.51E-02	8.03E-02	1.36E+00	1.33E+00	4.69E+01	9.51E-01	4.10E-01	4.96E+01
3791	479363.09	3852377.25	22.3505	8.77276	9.0357	7.879	1.70E+00	9.36E+01	9.99E-01	4.51E-01	9.68E+01	1.65E+00	3.95E-04	9.99E-02	8.82E-02	1.84E+00	1.86E+00	9.36E+01	9.99E-01	4.51E-01	9.69E+01
3792	479863.09	3852377.25	25.5938	10.4565	12.291	7.42899	1.95E+00	1.12E+02	1.36E+00	4.25E-01	1.15E+02	1.89E+00	4.71E-04	1.36E-01	8.32E-02	2.11E+00	2.12E+00	1.12E+02	1.36E+00	4.25E-01	1.15E+02
3793	480363.09	3852377.25	22.7381	14.4311	15.909	5.8125	1.73E+00	1.54E+02	1.76E+00	3.32E-01	1.58E+02	1.68E+00	6.51E-04	1.76E-01	6.51E-02	1.92E+00	1.89E+00	1.54E+02	1.76E+00	3.32E-01	1.58E+02
3794	480863.09	3852377.25	23.7886	11.6646	18.581	3.7223	1.81E+00	1.24E+02	2.05E+00	2.13E-01	1.29E+02	1.76E+00	5.26E-04	2.05E-01	4.17E-02	2.01E+00	1.97E+00	1.24E+02	2.05E+00	2.13E-01	1.29E+02
3795	481363.09	3852377.25	30.5944	9.34992	19.255	3.33137	2.33E+00	9.98E+01	2.13E+00	1.90E-01	1.04E+02	2.27E+00	4.21E-04	2.13E-01	3.73E-02	2.52E+00	2.54E+00	9.98E+01	2.13E+00	1.90E-01	1.05E+02
3796	481863.09	3852377.25	31.76	7.99258	17.319	3.73611	2.42E+00	8.53E+01	1.91E+00	2.14E-01	8.98E+01	2.35E+00	3.60E-04	1.91E-01	4.18E-02	2.58E+00	2.64E+00	8.53E+01	1.91E+00	2.14E-01	9.01E+01
3797	482363.09	3852377.25	36.4001	6.4437	13.193	5.67037	2.77E+00	6.88E+01	1.46E+00	3.24E-01	7.33E+01	2.69E+00	2.90E-04	1.46E-01	6.35E-02	2.90E+00	3.02E+00	6.88E+01	1.46E+00	3.24E-01	7.36E+01
3798	482863.09	3852377.25	32.8466	5.37696	14.018	5.95823	2.50E+00	5.74E+01	1.55E+00	3.41E-01	6.18E+01	2.43E+00	2.42E-04	1.55E-01	6.67E-02	2.65E+00	2.73E+00	5.74E+01	1.55E+00	3.41E-01	6.20E+01
3799	483363.09	3852377.25	22.6537	2.91412	60.785	11.14354	1.73E+00	3.11E+01	6.72E+00	6.37E-01	4.02E+01	1.68E+00	1.31E-04	6.72E-01	1.25E-01	2.47E+00	1.88E+00	3.11E+01	6.72E+00	6.37E-01	4.03E+01
3800	483863.09	3852377.25	11.0187	1.92667	28.08	10.8529	8.40E-01	2.06E+01	3.10E+00	6.21E-01	2.51E+01	8.16E-01	8.69E-05	3.10E-01	1.21E-01	1.25E+00	9.15E-01	2.06E+01	3.10E+00	6.21E-01	2.52E+01
3801	484363.09	3852377.25	13.131	3.05562	43.197	8.39848	1.00E+00	3.26E+01	4.78E+00	4.80E-01	3.89E+01	9.72E-01	1.38E-04	4.78E-01	9.40E-02	1.54E+00	1.09E+00	3.26E+01	4.78E+00	4.80E-01	3.90E+01
3802	484863.09	3852377.25	12.8901	3.38475	101.92	4.2495	9.82E-01	3.61E+01	1.13E+01	2.43E-01	4.86E+01	9.54E-01	1.53E-04	1.13E+00	4.76E-02	2.13E+00	1.07E+00	3.61E+01	1.13E+01	2.43E-01	4.87E+01
3803	485363.09	3852377.25	9.95901	3.22964	30.881	5.96545	7.59E-01	3.45E+01	3.41E+00	3.41E-01	3.90E+01	7.37E-01	1.46E-04	3.41E-01	6.68E-02	1.15E+00	8.27E-01	3.45E+01	3.41E+00	3.41E-01	3.90E+01
3804	485863.09	3852377.25	9.78519	2.86106	26.409	12.86005	7.46E-01	3.05E+01	2.92E+00	7.35E-01	3.49E+01	7.24E-01	1.29E-04	2.92E-01	1.44E-01	1.16E+00	8.12E-01	3.05E+01	2.92E+00	7.35E-01	3.50E+01
3805	486363.09	3852377.25	4.84659	1.96135	56.935	7.13288	3.69E-01	2.09E+01	6.29E+00	4.08E-01	2.80E+01	3.59E-01	8.84E-05	6.29E-01	7.98E-02	1.07E+00	4.02E-01	2.09E+01	6.29E+00	4.08E-01	2.80E+01
3806	486863.09	3852377.25	4.44231	2.04776	53.998	4.32455	3.39E-01	2.19E+01	5.97E+00	2.47E-01	2.84E+01	3.29E-01	9.23E-05	5.97E-01	4.84E-02	9.74E-01	3.69E-01	2.19E+01	5.97E+00	2.47E-01	2.84E+01
3807	487363.09	3852377.25	3.35603	2.80328	30.671	2.92241	2.56E-01	2.99E+01	3.39E+00	1.67E-01	3.37E+01	2.48E-01	1.26E-04	3.39E-01	3.27E-02	6.20E-01	2.79E-01	2.99E+01	3.39E+00	1.67E-01	3.38E+01
3808	487863.09	3852377.25	3.37485	1.57083	17.293	3.14565	2.57E-01	1.68E+01	1.91E+00	1.80E-01	1.91E+01	2.50E-01	7.08E-05	1.91E-01	3.52E-02	4.76E-01	2.80E-01	1.68E+01	1.91E+00	1.80E-01	1.91E+01
3809	488363.09	3852377.25	3.36688	1.12828	24.211	3.28377	2.57E-01	1.20E+01	2.68E+00	1.88E-01	1.52E+01	2.49E-01	5.09E-05	2.68E-01	3.68E-02	5.54E-01	2.80E-01	1.20E+01	2.68E+00	1.88E-01	1.52E+01
3810	488863.09	3852377.25	3.35891	1.08445	19.101	3.44952	2.56E-01	1.16E+01	2.11E+00	1.97E-01	1.41E+01	2.49E-01	4.89E-05	2.11E-01	3.86E-02	4.99E-01	2.79E-01	1.16E+01	2.11E+00	1.97E-01	1.42E+01
3811	489363.09	3852377.25	3.35095	0.73683	22.73	2.53824	2.55E-01	7.86E+00	2.51E+00	1.45E-01	1.08E+01	2.48E-01	3.32E-05	2.51E-01	2.84E-02	5.28E-01	2.78E-01	7.86E+00	2.51E+00	1.45E-01	1.08E+01
3812	489863.09	3852377.25	3.32506	0.69653	20.92	2.46109	2.53E-01	7.43E+00	2.31E+00	1.41E-01	1.01E+01	2.46E-01	3.14E-05	2.31E-01	2.76E-02	5.05E-01	2.76E-01	7.43E+00	2.31E+00	1.41E-01	1.02E+01
3813	490363.09	3852377.25	2.75811	0.83667	22.142	2.56267	2.10E-01	8.93E+00	2.45E+00	1.47E-01	1.17E+01	2.04E-01	3.77E-05	2.45E-01	2.87E-02	4.78E-01	2.29E-01	8.93E+00	2.45E+00	1.47E-01	1.18E+01
3814	490863.09	3852377.25	2.19278	1.00065	17.995	2.49793	1.67E-01	1.07E+01	1.99E+00	1.43E-01	1.30E+01	1.62E-01	4.51E-05	1.99E-01	2.80E-02	3.89E-01	1.82E-01	1.07E+01	1.99E+00	1.43E-01	1.30E+01
3815	491363.09	3852377.25	2.72739	1.53734	25.691	2.88216	2.08E-01	1.64E+01	2.84E+00	1.65E-01	1.96E+01	2.02E-01	6.93E-05	2.84E-01	3.23E-02	5.18E-01	2.26E-01	1.64E+01	2.84E+00	1.65E-01	1.96E+01
3816	491863.09	3852377.25	2.82376	1.75925	20.518	3.00463	2.15E-01	1.88E+01	2.27E+00	1.72E-01	2.14E+01	2.09E-01	7.93E-05	2.27E-01	3.36E-02	4.70E-01	2.34E-01	1.88E+01	2.27E+00	1.72E-01	2.14E+01
3817	492363.09	3852377.25	2.82935	1.49343	21.941	3.79078	2.16E-01	1.59E+01	2.43E+00	2.17E-01	1.88E+01	2.09E-01	6.73E-05	2.43E-01	4.24E-02	4.95E-01	2.35E-01	1.59E+01	2.43E+00	2.17E-01	1.88E+01
3818	492863.09	3852377.25	2.82594	1.2516	22.533	3.61313	2.15E-01	1.34E+01	2.49E+00	2.07E-01	1.63E+01	2.09E-01	5.64E-05	2.49E-01	4.04E-02	4.99E-01	2.35E-01	1.34E+01	2.49E+00	2.07E-01	1.63E+01
3819	493363.09	3852377.25	2.82196	1.84839	18.233	3.44369	2.15E-01	1.97E+01	2.02E+00	1.97E-01	2.22E+01	2.09E-01	8.33E-05	2.02E-01	3.85E-02	4.49E-01	2.34E-01	1.97E+01	2.02E+00	1.97E-01	2.22E+01
3820	493863.09	3852377.25	2.8179	2.31963	20.391	2.43245	2.15E-01	2.48E+01	2.25E+00	1.39E-01	2.74E+01	2.09E-01	1.05E-04	2.25E-01	2.72E-02	4.61E-01	2.34E-01	2.48E+01	2.25E+00	1.39E-01	2.74E+01
3821	494363.09	3852377.25	2.81385	1.85983	18.169	2.65029	2.14E-01	1.98E+01	2.01E+00	1.52E-01	2.22E+01	2.08E-01	8.38E-05	2.01E-01	2.97E-02	4.39E-01	2.34E-01	1.98E+01	2.01E+00	1.52E-01	2.22E+01
3822	494863.09	3852377.25	2.80971	1.11575	14.421	2.66387	2.14E-01	1.19E+01	1.59E+00	1.52E-01	1.39E+01	2.08E-01	5.03E-05	1.59E-01	2.98E-02	3.97E-01	2.33E-01	1.19E+01	1.59E+00	1.52E-01	1.39E+01
3823	495363.09	3852377.25	2.83263	0.9813	15.326	2.64951	2.16E-01	1.05E+01	1.69E+00	1.52E-01	1.25E+01	2.10E-01	4.42E-05	1.69E-01	2.97E-02	4.09E-01	2.35E-01	1.05E+01	1.69E+00	1.52E-01	1.26E+01
3824	495863.09	3852377.25	2.76302	0.96932	14.784	2.64102	2.11E-01	1.03E+01	1.63E+00	1.51E-01	1.23E+01	2.05E-01	4.37E-05	1.63E-01	2.96E-02	3.98E-01	2.29E-01	1.03E+01	1.63E+00	1.51E-01	1.24E+01
3825	496363.09	3852377.25	2.53529	0.81834	13.513	2.4073	1.93E-01	8.73E+00	1.49E+00	1.38E-01	1.06E+01	1.88E-01	3.69E-05	1.49E-01	2.69E-02	3.64E-01	2.10E-01	8.73E+00	1.49E+00	1.38E-01	1.06E+01
3826	496863.09	3852377.25	1.97993	0.70915	11.109	2.09507	1.51E-01	7.57E+00	1.23E+00	1.20E-01	9.07E+00	1.47E-01	3.20E-05	1.23E-01	2.35E-02	2.93E-01	1.64E-01	7.57E+00	1.23E+00	1.20E-01	9.08E+00
3827	497363.09	3852377.25	2.09477	0.87237	9.653	2.18188	1.60E-01	9.31E+00	1.07E+00	1.25E-01	1.07E+01	1.55E-01	3.93E-05	1.07E-01	2.44E-02	2.86E-01	1.74E-01	9.31E+00	1.07E+00	1.25E-01	1.07E+01
3828	497863.09	3852377.25	2.17931	0.90507	13.531	2.18732	1.66E-01	9.66E+00	1.50E+00	1.25E-01	1.14E+01	1.61E-01	4.08E-05	1.50E-01	2.45E-02	3.35E-01	1.81E-01	9.66E+00	1.50E+00	1.25E-01	1.15E+01
3829	498363.09	3852377.25	2.23948	0.81146	16.494	2.07185	1.71E-01	8.66E+00	1.82E+00	1.18E-01	1.08E+01	1.66E-01	3.66E-05	1.82E-01	2.32E-02	3.71E-01	1.86E-01	8.66E+00	1.82E+00	1.18E-01	1.08E+01
3830	471363.09	3852877.25	6.9831	1.7687	10.328	3.40802	5.32E-01	1.89E+01	1.14E+00	1.95E-01	2.07E+01	5.17E-01	7.97E-05	1.14E-01	3.82E-02	6.69E-01	5.80E-01	1.89E+01	1.14E+00	1.95E-01	2.08E+01
3831	471863.09	3852877.25	7.61408	1.81131	9.5671	3.34808	5.80E-01	1.93E+01	1.06E+00	1.91E-01	2.12E+01	5.64E-01	8.17E-05	1.06E-01	3.75E-02	7.07E-01	6.32E-01	1.93E+01	1.06E+00	1.91E-01	2.12E+01
3832	472363.09	3852877.25	8.08673	1.87403	10.98	3.46424	6.16E-01	2.00E+01	1.21E+00	1.98E-01	2.20E+01	5.99E-01	8.45E-05	1.21E-01	3.88E-02	7.59E-01	6.71E-01	2.00E+01	1.21E+00	1.98E-01	2.21E+01
3833	472863.09	3852877.25	8.34516	1.9885	12.303	3.58724	6.36E-01	2.12E+01	1.36E+00	2.05E-01	2.34E+01	6.18E-01	8.96E-05	1.36E-01	4.02E-02	7.94E-01	6.93E-01	2.12E+01	1.36E+00	2.05E-01	2.35E+01
3834	473363.09	3852877.25	8.36741	2.2146	14.926	3.71148	6.38E-01	2.36E+01	1.65E+00	2.12E-01	2.61E+01	6.19E-01	9.98E-05	1.65E-01	4.15E-02	8.26E-01	6.95E-01	2.36E+01	1.65E+00	2.12E-01	2.62E+01
3835	473863.09	3852877.25	8.12149	2.59149	22.403	3.81276	6.19E-01	2.77E+01	2.48E+00	2.18E-01	3.10E+01	6.01E-01	1.17E-04	2.48E-01	4.27E-02	8.92E-01	6.74E-01	2.77E+01	2.48E+00	2.18E-01	3.10E+01
3836	474363.09	3852877.25	11.7392	3.01698	28.623	4.60566	8.95E-01	3.22E+01	3.16E+00	2.63E-01	3.65E+01	8.69E-01	1.36E-04	3.16E-01	5.16E-02	1.24E+00	9.75E-01	3.22E+01	3.16E+00	2.63E-01	3.66E+01
3837	474863.09	3852877.25	7.68417	2.28816	28.925	5.03693	5.86E-01	2.44E+01	3.20E+00	2.88E-01	2.85E+01	5.69E-01	1.03E-04	3.20E-01	5.64E-02	9.45E-01	6.38E-01	2.44E+01	3.20E+00	2.88E-01	2.85E+01
3838	475363.09	3852877.25	9.34338	2.21469	26.449	5.38784	7.12E-01	2.36E+01	2.92E+00	3.08E-01	2.76E+01	6.92E-01	9.98E-05	2.92E-01	6.03E-02	1.04E+00	7.76E-01	2.36E+01	2.92E+00	3.08E-01	2.76E+01
3839	475863.09	3852877.25	10.1428	2.25702	20.867	4.83978	7.73E-01	2.41E+01	2.31E+00	2.77E-01	2.74E+01	7.51E-01	1.02E-04	2.31E-01	5.42E-02	1.04E+00	8.42E-01	2.41E+01	2.31E+00	2.77E-01	2.75E+01

3840	476363.09	3852877.25	9.58212	2.74308	25.1	4.88161	7.30E-01	2.93E+01	2.78E+00	2.79E-01	3.31E+01	7.09E-01	1.24E-04	2.78E-01	5.46E-02	1.04E+00	7.96E-01	2.93E+01	2.78E+00	2.79E-01	3.31E+01
3841	476863.09	3852877.25	7.43355	2.66204	22.86	3.03176	5.67E-01	2.84E+01	2.53E+00	1.73E-01	3.17E+01	5.50E-01	1.20E-04	2.53E-01	3.39E-02	8.37E-01	6.17E-01	2.84E+01	2.53E+00	1.73E-01	3.17E+01
3842	477363.09	3852877.25	6.06427	2.28826	15.334	2.89953	4.62E-01	2.44E+01	1.70E+00	1.66E-01	2.67E+01	4.49E-01	1.03E-04	1.70E-01	3.25E-02	6.51E-01	5.03E-01	2.44E+01	1.70E+00	1.66E-01	2.68E+01
3843	477863.09	3852877.25	5.57543	2.28751	7.9784	2.76941	4.25E-01	2.44E+01	8.82E-01	1.58E-01	2.59E+01	4.13E-01	1.03E-04	8.82E-02	3.10E-02	5.32E-01	4.63E-01	2.44E+01	8.82E-01	1.58E-01	2.59E+01
3844	478363.09	3852877.25	3.38713	1.70815	8.1338	4.00874	2.58E-01	1.82E+01	8.99E-01	2.29E-01	1.96E+01	2.51E-01	7.70E-05	8.99E-02	4.49E-02	3.86E-01	2.81E-01	1.82E+01	8.99E-01	2.29E-01	1.96E+01
3845	478863.09	3852877.25	3.69462	2.99688	7.897	5.60795	2.82E-01	3.20E+01	8.73E-01	3.21E-01	3.35E+01	2.74E-01	1.35E-04	8.73E-02	6.28E-02	4.24E-01	3.07E-01	3.20E+01	8.73E-01	3.21E-01	3.35E+01
3846	479363.09	3852877.25	6.26731	4.3863	8.2937	7.28152	4.78E-01	4.68E+01	9.17E-01	4.16E-01	4.86E+01	4.64E-01	1.98E-04	9.17E-02	8.15E-02	6.37E-01	5.20E-01	4.68E+01	9.17E-01	4.16E-01	4.87E+01
3847	479863.09	3852877.25	20.3661	8.16649	8.9774	8.41267	1.55E+00	8.72E+01	9.93E-01	4.81E-01	9.02E+01	1.51E+00	3.68E-04	9.93E-02	9.42E-02	1.70E+00	1.69E+00	8.72E+01	9.93E-01	4.81E-01	9.03E+01
3848	480363.09	3852877.25	22.8441	13.5351	11.673	8.24467	1.74E+00	1.44E+02	1.29E+00	4.71E-01	1.48E+02	1.69E+00	6.10E-04	1.29E-01	9.23E-02	1.91E+00	1.90E+00	1.44E+02	1.29E+00	4.71E-01	1.48E+02
3849	480863.09	3852877.25	27.6535	14.5839	15.778	6.4909	2.11E+00	1.56E+02	1.74E+00	3.71E-01	1.60E+02	2.05E+00	6.57E-04	1.74E-01	7.27E-02	2.30E+00	2.30E+00	1.56E+02	1.74E+00	3.71E-01	1.60E+02
3850	481363.09	3852877.25	26.9569	12.305	19.326	4.03771	2.05E+00	1.31E+02	2.14E+00	2.31E-01	1.36E+02	2.00E+00	5.55E-04	2.14E-01	4.52E-02	2.26E+00	2.24E+00	1.31E+02	2.14E+00	2.31E-01	1.36E+02
3851	481863.09	3852877.25	35.9086	9.43995	20.777	8.47606	2.74E+00	1.01E+02	2.30E+00	4.85E-01	1.06E+02	2.66E+00	4.26E-04	2.30E-01	9.49E-02	2.98E+00	2.98E+00	1.01E+02	2.30E+00	4.85E-01	1.07E+02
3852	482363.09	3852877.25	37.5831	9.19925	19.133	5.50326	2.86E+00	9.82E+01	2.12E+00	3.15E-01	1.03E+02	2.78E+00	4.15E-04	2.12E-01	6.16E-02	3.06E+00	3.12E+00	9.82E+01	2.12E+00	3.15E-01	1.04E+02
3853	482863.09	3852877.25	42.668	7.08659	14.645	6.42595	3.25E+00	7.56E+01	1.62E+00	3.67E-01	8.09E+01	3.16E+00	3.19E-04	1.62E-01	7.19E-02	3.39E+00	3.54E+00	7.56E+01	1.62E+00	3.67E-01	8.12E+01
3854	483363.09	3852877.25	34.8126	5.45361	16.131	5.53552	2.65E+00	5.82E+01	1.78E+00	3.17E-01	6.30E+01	2.58E+00	2.46E-04	1.78E-01	6.20E-02	2.82E+00	2.89E+00	5.82E+01	1.78E+00	3.17E-01	6.32E+01
3855	483863.09	3852877.25	22.008	2.47358	64.927	13.35425	1.68E+00	2.64E+01	7.18E+00	7.64E-01	3.60E+01	1.63E+00	1.12E-04	7.18E-01	1.49E-01	2.50E+00	1.83E+00	2.64E+01	7.18E+00	7.64E-01	3.62E+01
3856	484363.09	3852877.25	17.7324	2.70304	14.184	13.34831	1.35E+00	2.88E+01	1.57E+00	7.63E-01	3.25E+01	1.31E+00	1.22E-04	1.57E-01	1.49E-01	1.62E+00	1.47E+00	2.88E+01	1.57E+00	7.63E-01	3.26E+01
3857	484863.09	3852877.25	16.3776	3.43278	59.812	5.48675	1.25E+00	3.66E+01	6.61E+00	3.14E-01	4.48E+01	1.21E+00	1.55E-04	6.61E-01	6.14E-02	1.94E+00	1.36E+00	3.66E+01	6.61E+00	3.14E-01	4.49E+01
3858	485363.09	3852877.25	9.8779	3.26399	88.987	12.20546	7.53E-01	3.48E+01	9.84E+00	6.98E-01	4.61E+01	7.31E-01	1.47E-04	9.84E-01	1.37E-01	1.85E+00	8.20E-01	3.48E+01	9.84E+00	6.98E-01	4.62E+01
3859	485863.09	3852877.25	9.75601	3.09409	24.248	9.03022	7.44E-01	3.30E+01	2.68E+00	5.16E-01	3.70E+01	7.22E-01	1.39E-04	2.68E-01	1.01E-01	1.09E+00	8.10E-01	3.30E+01	2.68E+00	5.16E-01	3.70E+01
3860	486363.09	3852877.25	3.23093	2.04617	36.642	5.60852	2.46E-01	2.18E+01	4.05E+00	3.21E-01	2.65E+01	2.39E-01	9.22E-05	4.05E-01	6.28E-02	7.07E-01	2.68E-01	2.18E+01	4.05E+00	3.21E-01	2.65E+01
3861	486863.09	3852877.25	3.34459	1.89457	35.924	3.0938	2.55E-01	2.02E+01	3.97E+00	1.77E-01	2.46E+01	2.48E-01	8.54E-05	3.97E-01	3.46E-02	6.80E-01	2.78E-01	2.02E+01	3.97E+00	1.77E-01	2.46E+01
3862	487363.09	3852877.25	3.37661	2.84512	25.516	3.33991	2.57E-01	3.04E+01	2.82E+00	1.91E-01	3.36E+01	2.50E-01	1.28E-04	2.82E-01	3.74E-02	5.70E-01	2.80E-01	3.04E+01	2.82E+00	1.91E-01	3.37E+01
3863	487863.09	3852877.25	3.36863	1.80695	18.309	3.46325	2.57E-01	1.93E+01	2.02E+00	1.98E-01	2.18E+01	2.49E-01	8.15E-05	2.02E-01	3.88E-02	4.91E-01	2.80E-01	1.93E+01	2.02E+00	1.98E-01	2.18E+01
3864	488363.09	3852877.25	3.36068	1.14398	27.904	3.20753	2.56E-01	1.22E+01	3.09E+00	1.83E-01	1.57E+01	2.49E-01	5.16E-05	3.09E-01	3.59E-02	5.93E-01	2.79E-01	1.22E+01	3.09E+00	1.83E-01	1.58E+01
3865	488863.09	3852877.25	3.35267	1.06068	18.767	3.59572	2.56E-01	1.13E+01	2.07E+00	2.06E-01	1.39E+01	2.48E-01	4.78E-05	2.07E-01	4.03E-02	4.96E-01	2.78E-01	1.13E+01	2.07E+00	2.06E-01	1.39E+01
3866	489363.09	3852877.25	3.34222	0.86039	22.156	2.578	2.55E-01	9.18E+00	2.45E+00	1.47E-01	1.20E+01	2.47E-01	3.88E-05	2.45E-01	2.89E-02	5.21E-01	2.77E-01	9.18E+00	2.45E+00	1.47E-01	1.21E+01
3867	489863.09	3852877.25	3.06386	0.90881	20.538	2.72537	2.34E-01	9.70E+00	2.27E+00	1.56E-01	1.24E+01	2.27E-01	4.10E-05	2.27E-01	3.05E-02	4.84E-01	2.54E-01	9.70E+00	2.27E+00	1.56E-01	1.24E+01
3868	490363.09	3852877.25	2.79232	1.06019	21.98	4.05983	2.13E-01	1.13E+01	2.43E+00	2.32E-01	1.42E+01	2.07E-01	4.78E-05	2.43E-01	4.54E-02	4.95E-01	2.32E-01	1.13E+01	2.43E+00	2.32E-01	1.42E+01
3869	490863.09	3852877.25	2.83088	1.4454	26.97	4.35718	2.16E-01	1.54E+01	2.98E+00	2.49E-01	1.89E+01	2.10E-01	6.52E-05	2.98E-01	4.88E-02	5.57E-01	2.35E-01	1.54E+01	2.98E+00	2.49E-01	1.89E+01
3870	491363.09	3852877.25	2.9061	1.76828	24.971	4.54331	2.22E-01	1.89E+01	2.76E+00	2.60E-01	2.21E+01	2.15E-01	7.97E-05	2.76E-01	5.09E-02	5.42E-01	2.41E-01	1.89E+01	2.76E+00	2.60E-01	2.21E+01
3871	491863.09	3852877.25	2.85467	1.60138	25.337	3.78795	2.18E-01	1.71E+01	2.80E+00	2.17E-01	2.03E+01	2.11E-01	7.22E-05	2.80E-01	4.24E-02	5.34E-01	2.37E-01	1.71E+01	2.80E+00	2.17E-01	2.03E+01
3872	492363.09	3852877.25	2.82119	1.53091	24.74	3.38321	2.15E-01	1.63E+01	2.74E+00	1.93E-01	1.95E+01	2.09E-01	6.90E-05	2.74E-01	3.79E-02	5.20E-01	2.34E-01	1.63E+01	2.74E+00	1.93E-01	1.95E+01
3873	492863.09	3852877.25	2.85482	1.76143	22.434	2.87962	2.18E-01	1.88E+01	2.48E+00	1.65E-01	2.17E+01	2.11E-01	7.94E-05	2.48E-01	3.22E-02	4.92E-01	2.37E-01	1.88E+01	2.48E+00	1.65E-01	2.17E+01
3874	493363.09	3852877.25	2.8568	2.34046	43.519	3.15891	2.18E-01	2.50E+01	4.81E+00	1.81E-01	3.02E+01	2.11E-01	1.06E-04	4.81E-01	3.54E-02	7.28E-01	2.37E-01	2.50E+01	4.81E+00	1.81E-01	3.02E+01
3875	493863.09	3852877.25	3.28141	2.03492	22.65	3.26384	2.50E-01	2.17E+01	2.50E+00	1.87E-01	2.47E+01	2.43E-01	9.17E-05	2.50E-01	3.65E-02	5.30E-01	2.72E-01	2.17E+01	2.50E+00	1.87E-01	2.47E+01
3876	494363.09	3852877.25	3.70616	1.26154	19.522	2.6799	2.82E-01	1.35E+01	2.16E+00	1.53E-01	1.61E+01	2.74E-01	5.69E-05	2.16E-01	3.00E-02	5.20E-01	3.08E-01	1.35E+01	2.16E+00	1.53E-01	1.61E+01
3877	494863.09	3852877.25	4.03406	0.9976	16.315	2.73071	3.07E-01	1.06E+01	1.80E+00	1.56E-01	1.29E+01	2.99E-01	4.50E-05	1.80E-01	3.06E-02	5.10E-01	3.35E-01	1.06E+01	1.80E+00	1.56E-01	1.29E+01
3878	495363.09	3852877.25	4.26624	0.98481	14.94	2.73559	3.25E-01	1.05E+01	1.65E+00	1.56E-01	1.26E+01	3.16E-01	4.44E-05	1.65E-01	3.06E-02	5.12E-01	3.54E-01	1.05E+01	1.65E+00	1.56E-01	1.27E+01
3879	495863.09	3852877.25	2.40617	0.82151	13.262	2.48303	1.83E-01	8.77E+00	1.47E+00	1.42E-01	1.06E+01	1.78E-01	3.70E-05	1.47E-01	2.78E-02	3.53E-01	2.00E-01	8.77E+00	1.47E+00	1.42E-01	1.06E+01
3880	496363.09	3852877.25	2.70757	0.80521	12.03	2.13714	2.06E-01	8.59E+00	1.33E+00	1.22E-01	1.03E+01	2.00E-01	3.63E-05	1.33E-01	2.39E-02	3.57E-01	2.25E-01	8.59E+00	1.33E+00	1.22E-01	1.03E+01
3881	496863.09	3852877.25	2.30723	0.91324	15.409	2.22915	1.76E-01	9.75E+00	1.70E+00	1.27E-01	1.18E+01	1.71E-01	4.12E-05	1.70E-01	2.50E-02	3.66E-01	1.92E-01	9.75E+00	1.70E+00	1.27E-01	1.18E+01
3882	497363.09	3852877.25	2.32715	0.89292	17.239	2.21252	1.77E-01	9.53E+00	1.91E+00	1.27E-01	1.17E+01	1.72E-01	4.03E-05	1.91E-01	2.48E-02	3.88E-01	1.93E-01	9.53E+00	1.91E+00	1.27E-01	1.18E+01
3883	497863.09	3852877.25	2.33604	0.92052	19.288	2.09095	1.78E-01	9.82E+00	2.13E+00	1.20E-01	1.23E+01	1.73E-01	4.15E-05	2.13E-01	2.34E-02	4.10E-01	1.94E-01	9.82E+00	2.13E+00	1.20E-01	1.23E+01
3884	498363.09	3852877.25	2.32874	1.03792	18.927	1.88639	1.77E-01	1.11E+01	2.09E+00	1.08E-01	1.35E+01	1.72E-01	4.68E-05	2.09E-01	2.11E-02	4.03E-01	1.93E-01	1.11E+01	2.09E+00	1.08E-01	1.35E+01
3885	471363.09	3853377.25	4.80513	2.51432	13.367	3.79306	3.66E-01	2.68E+01	1.48E+00	2.17E-01	2.89E+01	3.56E-01	1.13E-04	1.48E-01	4.25E-02	5.46E-01	3.99E-01	2.68E+01	1.48E+00	2.17E-01	2.89E+01
3886	471863.09	3853377.25	9.80659	2.25575	12.968	3.78003	7.47E-01	2.41E+01	1.43E+00	2.16E-01	2.65E+01	7.26E-01	1.02E-04	1.43E-01	4.23E-02	9.12E-01	8.14E-01	2.41E+01	1.43E+00	2.16E-01	2.65E+01
3887	472363.09	3853377.25	9.85792	1.97962	12.381	3.74074	7.51E-01	2.11E+01	1.37E+00	2.14E-01	2.35E+01	7.30E-01	8.92E-05	1.37E-01	4.19E-02	9.09E-01	8.18E-01	2.11E+01	1.37E+00	2.14E-01	2.35E+01
3888	472863.09	3853377.25	9.74814	1.83102	11.606	3.66651	7.43E-01	1.95E+01	1.28E+00	2.10E-01	2.18E+01	7.22E-01	8.25E-05	1.28E-01	4.10E-02	8.91E-01	8.09E-01	1.95E+01	1.28E+00	2.10E-01	2.18E+01
3889	473363.09	3853377.25	9.46673	1.89817	11.287	3.55324	7.22E-01	2.03E+01	1.25E+00	2.03E-01	2.24E+01	7.01E-01	8.56E-05	1.25E-01	3.98E-02	8.66E-01	7.86E-01	2.03E+01	1.25E+00	2.03E-01	2.25E+01
3890	473863.09	3853377.25	9.01092	2.0592	11.94	3.56017	6.87E-01	2.20E+01	1.32E+00	2.04E-01	2.42E+01	6.67E-01	9.28E-05	1.32E-01	3.99E-02	8.39E-01	7.48E-01	2.20E+01	1.32E+00	2.04E-01	2.42E+01
3891	474363.09	3853377.25	8.49234	2.16411	13.448	3.70859	6.47E-01	2.31E+01	1.49E+00	2.12E-01	2.54E+01	6.29E-01	9.76E-05	1.49E-01	4.15E-02	8.19E-01	7.05E-01	2.31E+01	1.49E+00	2.12E-01	2.55E+01
3892	474863.09	3853377.25	8.76894	2.01913	17.216	3.85972	6.68E-01	2.15E+01	1.90E+00	2.21E-01	2.43E+01	6.49E-01	9.10E-05	1.90E-01	4.32E-02	8.83E-01	7.28E-01	2.15E+01	1.90E+00	2.21E-01	2.44E+01
3893	475363.09	3853377.25	8.79333	1.92447	24.097	3.9835	6.70E-01	2.05E+01	2.66E+00	2.28E-01	2.41E+01	6.51E-01	8.68E-05	2.66E-01	4.46E-02	9.62E-01	7.30E-01	2.05E+01	2.66E+00	2.28E-01	2.42E+01
3894	475863.09	3853377.25	8.52906	1.61744	28.113	4.00373	6.50E-01	1.73E+01	3.11E+00	2.29E-01	2.12E+01	6.31E-01	7.29E-05	3.11E-01	4.48E-02	9.87E-01	7.08E-01	1.73E+01	3.11E+00	2.29E-01	2.13E+01
3895	476363.09	3853377.25	7.93952	1.42522	24.225	3.82243	6.05E-01	1.52E+01	2.68E+00	2.19E-01	1.87E+01	5.88E-01	6.42E-05	2.68E-01	4.28E-02	8.98E-01	6.59E-01	1.52E+01	2.68E+00	2.19E-01	1.88E+01
3896	476863.09	3853377.25	6.07611	1.21217	13.906	3.40294	4.63E-01	1.29E+01	1.54E+00	1.95E-01	1.51E+01	4.50E-01	5.46E-05	1.54E-01	3.81E-02	6.42E-01	5.04E-01	1.29E+01	1.54E+00	1.95E-01	1.52E+01
3897	477363.09	3853377.25	5.75243	1.14968	16.945	2.95041	4.38E-01	1.23E+01	1.87E+00	1.69E-01	1.47E+01	4.26E-01	5.18E-05	1.87E-01	3.30E-02	6.46E-01	4.78E-01	1.23E+01	1.87E+00	1.69E-01	1.48E+01
3898	477863.09	3853377.25	5.01063	1.46687	16.872	3.08075	3.82E-01	1.57E+01	1.87E+00	1.76E-01	1.81E+01	3.71E-01	6.61E-05	1.87E-01	3.45E-02	5.92E-01	4.16E-01	1.57E+01	1.87E+00	1.76E-01	1.81E+01
3899	478363.09	3853377.25	4.3421	1.47936	8.7137	3.08767	3.31E-01	1.58E+01	9.63E-01	1.77E-01	1.73E+01	3.21E-01	6.67E-05	9.63E-02	3.46E-02	4.52E-01	3.60E-01	1.58E+01	9.63E-01	1.77E-01	1.73E+01
3900	478863.09	3853377.25	2.73815	1.41702	8.6126	2.92335	2.09E-01	1.51E+01	9.52E-01	1.67E-01	1.65E+01	2.03E-01	6.39E-05	9.52E-02	3.27E-02	3.31E-01	2.27E-01	1.51E+01	9.52E-01	1.67E-01	1.65E+01

3901	479363.09	3853377.25	3.86127	2.61961	8.7664	5.30514	2.94E-01	2.80E+01	9.69E-01	3.03E-01	2.95E+01	2.86E-01	1.18E-04	9.69E-02	5.94E-02	4.42E-01	3.21E-01	2.80E+01	9.69E-01	3.03E-01	2.95E+01
3902	479863.09	3853377.25	9.95093	4.27095	8.435	7.28725	7.58E-01	4.56E+01	9.33E-01	4.17E-01	4.77E+01	7.37E-01	1.93E-04	9.33E-02	8.16E-02	9.12E-01	8.26E-01	4.56E+01	9.33E-01	4.17E-01	4.78E+01
3903	480363.09	3853377.25	20.274	8.89017	8.9616	8.9142	1.55E+00	9.49E+01	9.91E-01	5.10E-01	9.79E+01	1.50E+00	4.01E-04	9.91E-02	9.98E-02	1.70E+00	1.68E+00	9.49E+01	9.91E-01	5.10E-01	9.81E+01
3904	480863.09	3853377.25	25.3654	7.89935	10.71	9.13224	1.93E+00	8.43E+01	1.18E+00	5.22E-01	8.79E+01	1.88E+00	3.56E-04	1.18E-01	1.02E-01	2.10E+00	2.11E+00	8.43E+01	1.18E+00	5.22E-01	8.81E+01
3905	481363.09	3853377.25	33.8267	12.1692	15.353	7.63701	2.58E+00	1.30E+02	1.70E+00	4.37E-01	1.35E+02	2.50E+00	5.49E-04	1.70E-01	8.55E-02	2.76E+00	2.81E+00	1.30E+02	1.70E+00	4.37E-01	1.35E+02
3906	481863.09	3853377.25	33.6528	13.3812	19.902	4.35798	2.57E+00	1.43E+02	2.20E+00	2.49E-01	1.48E+02	2.49E+00	6.03E-04	2.20E-01	4.88E-02	2.76E+00	2.79E+00	1.43E+02	2.20E+00	2.49E-01	1.48E+02
3907	482363.09	3853377.25	39.893	9.69636	22.379	8.73899	3.04E+00	1.03E+02	2.47E+00	5.00E-01	1.09E+02	2.95E+00	4.37E-04	2.47E-01	9.78E-02	3.30E+00	3.31E+00	1.03E+02	2.47E+00	5.00E-01	1.10E+02
3908	482863.09	3853377.25	45.9264	9.161	21.227	6.86349	3.50E+00	9.78E+01	2.35E+00	3.92E-01	1.04E+02	3.40E+00	4.13E-04	2.35E-01	7.68E-02	3.71E+00	3.81E+00	9.78E+01	2.35E+00	3.92E-01	1.04E+02
3909	483363.09	3853377.25	49.5962	6.75244	16.307	6.15405	3.78E+00	7.21E+01	1.80E+00	3.52E-01	7.80E+01	3.67E+00	3.04E-04	1.80E-01	6.89E-02	3.92E+00	4.12E+00	7.21E+01	1.80E+00	3.52E-01	7.83E+01
3910	483863.09	3853377.25	37.1612	4.83522	20.966	8.39542	2.83E+00	5.16E+01	2.32E+00	4.80E-01	5.72E+01	2.75E+00	2.18E-04	2.32E-01	9.40E-02	3.08E+00	3.09E+00	5.16E+01	2.32E+00	4.80E-01	5.75E+01
3911	484363.09	3853377.25	25.2748	3.17936	33.6	12.00587	1.93E+00	3.39E+01	3.71E+00	6.87E-01	4.03E+01	1.87E+00	1.43E-04	3.71E-01	1.34E-01	2.38E+00	2.10E+00	3.39E+01	3.71E+00	6.87E-01	4.04E+01
3912	484863.09	3853377.25	16.9565	3.38299	21.669	11.16913	1.29E+00	3.61E+01	2.40E+00	6.39E-01	4.04E+01	1.26E+00	1.53E-04	2.40E-01	1.25E-01	1.62E+00	1.41E+00	3.61E+01	2.40E+00	6.39E-01	4.05E+01
3913	485363.09	3853377.25	9.83071	3.31536	120.9	15.16394	7.49E-01	3.54E+01	1.34E+01	8.67E-01	5.04E+01	7.28E-01	1.49E-04	1.34E+00	1.70E-01	2.23E+00	8.16E-01	3.54E+01	1.34E+01	8.67E-01	5.04E+01
3914	485863.09	3853377.25	4.86797	2.36687	19.453	4.93647	3.71E-01	2.53E+01	2.15E+00	2.82E-01	2.81E+01	3.60E-01	1.07E-04	2.15E-01	5.53E-02	6.31E-01	4.04E-01	2.53E+01	2.15E+00	2.82E-01	2.81E+01
3915	486363.09	3853377.25	3.70725	2.13425	30.429	3.84877	2.83E-01	2.28E+01	3.36E+00	2.20E-01	2.66E+01	2.74E-01	9.62E-05	3.36E-01	4.31E-02	6.54E-01	3.08E-01	2.28E+01	3.36E+00	2.20E-01	2.67E+01
3916	486863.09	3853377.25	3.37835	1.75702	26.348	4.67753	2.58E-01	1.88E+01	2.91E+00	2.67E-01	2.22E+01	2.50E-01	7.92E-05	2.91E-01	5.24E-02	5.94E-01	2.80E-01	1.88E+01	2.91E+00	2.67E-01	2.22E+01
3917	487363.09	3853377.25	3.37038	2.85063	41.378	3.65245	2.57E-01	3.04E+01	4.57E+00	2.09E-01	3.55E+01	2.50E-01	1.29E-04	4.57E-01	4.09E-02	7.48E-01	2.80E-01	3.04E+01	4.57E+00	2.09E-01	3.55E+01
3918	487863.09	3853377.25	3.36239	2.04088	19.437	3.1429	2.56E-01	2.18E+01	2.15E+00	1.80E-01	2.44E+01	2.49E-01	9.20E-05	2.15E-01	3.52E-02	4.99E-01	2.79E-01	2.18E+01	2.15E+00	1.80E-01	2.44E+01
3919	488363.09	3853377.25	3.35441	1.18081	24.545	2.92962	2.56E-01	1.26E+01	2.71E+00	1.68E-01	1.57E+01	2.48E-01	5.32E-05	2.71E-01	3.28E-02	5.53E-01	2.78E-01	1.26E+01	2.71E+00	1.68E-01	1.58E+01
3920	488863.09	3853377.25	3.34641	1.03148	21.066	4.6138	2.55E-01	1.10E+01	2.33E+00	2.64E-01	1.39E+01	2.48E-01	4.65E-05	2.33E-01	5.16E-02	5.32E-01	2.78E-01	1.10E+01	2.33E+00	2.64E-01	1.39E+01
3921	489363.09	3853377.25	3.25188	0.97831	34.208	6.29131	2.48E-01	1.04E+01	3.78E+00	3.60E-01	1.48E+01	2.41E-01	4.41E-05	3.78E-01	7.04E-02	6.89E-01	2.70E-01	1.04E+01	3.78E+00	3.60E-01	1.49E+01
3922	489863.09	3853377.25	2.92337	1.42917	27.95	6.09414	2.23E-01	1.53E+01	3.09E+00	3.48E-01	1.89E+01	2.16E-01	6.44E-05	3.09E-01	6.82E-02	5.94E-01	2.43E-01	1.53E+01	3.09E+00	3.48E-01	1.89E+01
3923	490363.09	3853377.25	2.92072	1.44144	47.208	5.7252	2.23E-01	1.54E+01	5.22E+00	3.27E-01	2.12E+01	2.16E-01	6.50E-05	5.22E-01	6.41E-02	8.02E-01	2.42E-01	1.54E+01	5.22E+00	3.27E-01	2.12E+01
3924	490863.09	3853377.25	2.91824	1.7504	29.248	4.97302	2.22E-01	1.87E+01	3.23E+00	2.84E-01	2.24E+01	2.16E-01	7.89E-05	3.23E-01	5.57E-02	5.95E-01	2.42E-01	1.87E+01	3.23E+00	2.84E-01	2.24E+01
3925	491363.09	3853377.25	2.87233	1.7058	23.517	3.78	2.19E-01	1.82E+01	2.60E+00	2.16E-01	2.12E+01	2.13E-01	7.69E-05	2.60E-01	4.23E-02	5.15E-01	2.38E-01	1.82E+01	2.60E+00	2.16E-01	2.13E+01
3926	491863.09	3853377.25	3.2827	1.44717	26.861	3.60542	2.50E-01	1.54E+01	2.97E+00	2.06E-01	1.89E+01	2.43E-01	6.52E-05	2.97E-01	4.04E-02	5.80E-01	2.73E-01	1.54E+01	2.97E+00	2.06E-01	1.89E+01
3927	492363.09	3853377.25	3.77967	1.74116	28.685	3.21378	2.88E-01	1.86E+01	3.17E+00	1.84E-01	2.22E+01	2.80E-01	7.85E-05	3.17E-01	3.60E-02	6.33E-01	3.14E-01	1.86E+01	3.17E+00	1.84E-01	2.23E+01
3928	492863.09	3853377.25	4.14256	2.299	71.666	3.03436	3.16E-01	2.45E+01	7.92E+00	1.74E-01	3.29E+01	3.07E-01	1.04E-04	7.92E-01	3.40E-02	1.13E+00	3.44E-01	2.45E+01	7.92E+00	1.74E-01	3.30E+01
3929	493363.09	3853377.25	4.38458	2.20842	29.71	3.3968	3.34E-01	2.36E+01	3.28E+00	1.94E-01	2.74E+01	3.25E-01	9.96E-05	3.28E-01	3.80E-02	6.91E-01	3.64E-01	2.36E+01	3.28E+00	1.94E-01	2.74E+01
3930	493863.09	3853377.25	4.54043	1.41834	40.684	2.97216	3.46E-01	1.51E+01	4.50E+00	1.70E-01	2.02E+01	3.36E-01	6.39E-05	4.50E-01	3.33E-02	8.19E-01	3.77E-01	1.51E+01	4.50E+00	1.70E-01	2.02E+01
3931	494363.09	3853377.25	4.63147	1.0162	17.251	2.81766	3.53E-01	1.08E+01	1.91E+00	1.61E-01	1.33E+01	3.43E-01	4.58E-05	1.91E-01	3.15E-02	5.65E-01	3.85E-01	1.08E+01	1.91E+00	1.61E-01	1.33E+01
3932	494863.09	3853377.25	4.68146	1.00126	18.695	2.84119	3.57E-01	1.07E+01	2.07E+00	1.62E-01	1.33E+01	3.47E-01	4.51E-05	2.07E-01	3.18E-02	5.85E-01	3.89E-01	1.07E+01	2.07E+00	1.62E-01	1.33E+01
3933	495363.09	3853377.25	4.7089	0.89903	20.305	2.85037	3.59E-01	9.59E+00	2.24E+00	1.63E-01	1.24E+01	3.49E-01	4.05E-05	2.24E-01	3.19E-02	6.05E-01	3.91E-01	9.59E+00	2.24E+00	1.63E-01	1.24E+01
3934	495863.09	3853377.25	4.71609	0.93581	21.313	2.7074	3.59E-01	9.99E+00	2.36E+00	1.55E-01	1.29E+01	3.49E-01	4.22E-05	2.36E-01	3.03E-02	6.15E-01	3.92E-01	9.99E+00	2.36E+00	1.55E-01	1.29E+01
3935	496363.09	3853377.25	3.69408	0.95747	24.41	2.28569	2.82E-01	1.02E+01	2.70E+00	1.31E-01	1.33E+01	2.73E-01	4.32E-05	2.70E-01	2.56E-02	5.69E-01	3.07E-01	1.02E+01	2.70E+00	1.31E-01	1.34E+01
3936	496863.09	3853377.25	2.37304	0.9624	26.256	2.22784	1.81E-01	1.03E+01	2.90E+00	1.27E-01	1.35E+01	1.76E-01	4.34E-05	2.90E-01	2.49E-02	4.91E-01	1.97E-01	1.03E+01	2.90E+00	1.27E-01	1.35E+01
3937	497363.09	3853377.25	2.30965	1.07267	20.429	2.03912	1.76E-01	1.14E+01	2.26E+00	1.17E-01	1.40E+01	1.71E-01	4.84E-05	2.26E-01	2.28E-02	4.20E-01	1.92E-01	1.14E+01	2.26E+00	1.17E-01	1.40E+01
3938	497863.09	3853377.25	2.25107	1.28805	12.429	1.92689	1.72E-01	1.37E+01	1.37E+00	1.10E-01	1.54E+01	1.67E-01	5.81E-05	1.37E-01	2.16E-02	3.26E-01	1.87E-01	1.37E+01	1.37E+00	1.10E-01	1.54E+01
3939	498363.09	3853377.25	2.15826	1.41763	9.3538	1.52275	1.65E-01	1.51E+01	1.03E+00	8.71E-02	1.64E+01	1.60E-01	6.39E-05	1.03E-01	1.70E-02	2.80E-01	1.79E-01	1.51E+01	1.03E+00	8.71E-02	1.64E+01
3940	471363.09	3853877.25	4.32874	2.71023	18.231	3.77623	3.30E-01	2.89E+01	2.02E+00	2.16E-01	3.15E+01	3.20E-01	1.22E-04	2.02E-01	4.23E-02	5.64E-01	3.59E-01	2.89E+01	2.02E+00	2.16E-01	3.15E+01
3941	471863.09	3853877.25	8.0028	2.85724	22.497	3.82598	6.10E-01	3.05E+01	2.49E+00	2.19E-01	3.38E+01	5.92E-01	1.29E-04	2.49E-01	4.28E-02	8.84E-01	6.64E-01	3.05E+01	2.49E+00	2.19E-01	3.39E+01
3942	472363.09	3853877.25	8.68588	2.88719	22.607	3.87741	6.62E-01	3.08E+01	2.50E+00	2.22E-01	3.42E+01	6.43E-01	1.30E-04	2.50E-01	4.34E-02	9.37E-01	7.21E-01	3.08E+01	2.50E+00	2.22E-01	3.43E+01
3943	472863.09	3853877.25	9.28857	2.77576	22.252	3.91844	7.08E-01	2.96E+01	2.46E+00	2.24E-01	3.30E+01	6.88E-01	1.25E-04	2.46E-01	4.39E-02	9.78E-01	7.71E-01	2.96E+01	2.46E+00	2.24E-01	3.31E+01
3944	473363.09	3853877.25	9.79125	2.5474	18.576	3.95096	7.46E-01	2.72E+01	2.05E+00	2.26E-01	3.02E+01	7.25E-01	1.15E-04	2.05E-01	4.42E-02	9.75E-01	8.13E-01	2.72E+01	2.05E+00	2.26E-01	3.03E+01
3945	473863.09	3853877.25	10.1721	2.25644	14.321	3.96007	7.75E-01	2.41E+01	1.58E+00	2.26E-01	2.67E+01	7.53E-01	1.02E-04	1.58E-01	4.43E-02	9.56E-01	8.45E-01	2.41E+01	1.58E+00	2.26E-01	2.67E+01
3946	474363.09	3853877.25	10.4145	1.9591	13.139	4.4133	7.94E-01	2.09E+01	1.45E+00	2.52E-01	2.34E+01	7.71E-01	8.83E-05	1.45E-01	4.94E-02	9.66E-01	8.65E-01	2.09E+01	1.45E+00	2.52E-01	2.35E+01
3947	474863.09	3853877.25	10.5001	1.91947	12.449	4.18454	8.00E-01	2.05E+01	1.38E+00	2.39E-01	2.29E+01	7.77E-01	8.65E-05	1.38E-01	4.68E-02	9.62E-01	8.72E-01	2.05E+01	1.38E+00	2.39E-01	2.30E+01
3948	475363.09	3853877.25	10.3948	1.94404	13.025	3.73439	7.92E-01	2.07E+01	1.44E+00	2.14E-01	2.32E+01	7.70E-01	8.76E-05	1.44E-01	4.18E-02	9.55E-01	8.63E-01	2.07E+01	1.44E+00	2.14E-01	2.33E+01
3949	475863.09	3853877.25	8.26766	1.98452	14.687	3.73636	6.30E-01	2.12E+01	1.62E+00	2.14E-01	2.36E+01	6.12E-01	8.95E-05	1.62E-01	4.18E-02	8.16E-01	6.86E-01	2.12E+01	1.62E+00	2.14E-01	2.37E+01
3950	476363.09	3853877.25	6.55577	1.20486	15.883	3.3851	5.00E-01	1.29E+01	1.76E+00	1.94E-01	1.53E+01	4.85E-01	5.43E-05	1.76E-01	3.79E-02	6.99E-01	5.44E-01	1.29E+01	1.76E+00	1.94E-01	1.54E+01
3951	476863.09	3853877.25	6.63929	1.29165	12.014	3.26327	5.06E-01	1.38E+01	1.33E+00	1.87E-01	1.58E+01	4.92E-01	5.82E-05	1.33E-01	3.65E-02	6.61E-01	5.51E-01	1.38E+01	1.33E+00	1.87E-01	1.59E+01
3952	477363.09	3853877.25	6.64828	1.40574	11.804	3.10634	5.07E-01	1.50E+01	1.31E+00	1.78E-01	1.70E+01	4.92E-01	6.34E-05	1.31E-01	3.48E-02	6.58E-01	5.52E-01	1.50E+01	1.31E+00	1.78E-01	1.70E+01
3953	477863.09	3853877.25	6.57846	1.29027	11.076	2.93591	5.01E-01	1.38E+01	1.22E+00	1.68E-01	1.57E+01	4.87E-01	5.82E-05	1.22E-01	3.29E-02	6.42E-01	5.46E-01	1.38E+01	1.22E+00	1.68E-01	1.57E+01
3954	478363.09	3853877.25	6.32045	1.12778	11.564	3.12424	4.82E-01	1.20E+01	1.28E+00	1.79E-01	1.40E+01	4.68E-01	5.08E-05	1.28E-01	3.50E-02	6.31E-01	5.25E-01	1.20E+01	1.28E+00	1.79E-01	1.40E+01
3955	478863.09	3853877.25	5.64424	1.2669	8.0176	3.28941	4.30E-01	1.35E+01	8.86E-01	1.88E-01	1.50E+01	4.18E-01	5.71E-05	8.86E-02	3.68E-02	5.43E-01	4.69E-01	1.35E+01	8.86E-01	1.88E-01	1.51E+01
3956	479363.09	3853877.25	4.30957	1.52383	8.7052	3.30611	3.28E-01	1.63E+01	9.62E-01	1.89E-01	1.77E+01	3.19E-01	6.87E-05	9.62E-02	3.70E-02	4.52E-01	3.58E-01	1.63E+01	9.62E-01	1.89E-01	1.78E+01
3957	479863.09	3853877.25	7.17438	2.95366	10.979	4.88238	5.47E-01	3.15E+01	1.21E+00	2.79E-01	3.36E+01	5.31E-01	1.33E-04	1.21E-01	5.47E-02	7.07E-01	5.96E-01	3.15E+01	1.21E+00	2.79E-01	3.36E+01
3958	480363.09	3853877.25	14.7192	4.01931	9.5106	7.12753	1.12E+00	4.29E+01	1.05E+00	4.08E-01	4.55E+01	1.09E+00	1.81E-04	1.05E-01	7.98E-02	1.27E+00	1.22E+00	4.29E+01	1.05E+00	4.08E-01	4.56E+01
3959	480863.09	3853877.25	23.4729	9.52758	9.0438	9.32214	1.79E+00	1.02E+02	1.00E+00	5.33E-01	1.05E+02	1.74E+00	4.29E-04	1.00E-01	1.04E-01	1.94E+00	1.95E+00	1.02E+02	1.00E+00	5.33E-01	1.05E+02
3960	481363.09	3853877.25	25.6772	15.7823	9.8225	10.1595	1.96E+00	1.68E+02	1.09E+00	5.81E-01	1.72E+02	1.90E+00	7.11E-04	1.09E-01	1.14E-01	2.12E+00	2.13E+00	1.68E+02	1.09E+00	5.81E-01	1.72E+02
3961	481863.09	3853877.25	31.6276	20.1832	14.789	10.25162	2.41E+00	2.15E+02	1.64E+00	5.86E-01	2.20E+02	2.34E+00	9.10E-04	1.64E-01	1.15E-01	2.62E+00	2.63E+00	2.15E+02	1.64E+00	5.86E-01	2.20E+02

3962	482363.09	3853877.25	40.7923	13.8601	20.219	14.00694	3.11E+00	1.48E+02	2.24E+00	8.01E-01	1.54E+02	3.02E+00	6.25E-04	2.24E-01	1.57E-01	3.40E+00	3.39E+00	1.48E+02	2.24E+00	8.01E-01	1.54E+02
3963	482863.09	3853877.25	45.8591	9.4331	23.99	9.81001	3.50E+00	1.01E+02	2.65E+00	5.61E-01	1.07E+02	3.40E+00	4.25E-04	2.65E-01	1.10E-01	3.77E+00	3.81E+00	1.01E+02	2.65E+00	5.61E-01	1.08E+02
3964	483363.09	3853877.25	61.9155	7.77935	23.596	6.76298	4.72E+00	8.30E+01	2.61E+00	3.87E-01	9.07E+01	4.58E+00	3.51E-04	2.61E-01	7.57E-02	4.92E+00	5.14E+00	8.30E+01	2.61E+00	3.87E-01	9.12E+01
3965	483863.09	3853877.25	55.5549	6.88197	18.373	7.95748	4.23E+00	7.34E+01	2.03E+00	4.55E-01	8.02E+01	4.11E+00	3.10E-04	2.03E-01	8.91E-02	4.41E+00	4.61E+00	7.34E+01	2.03E+00	4.55E-01	8.05E+01
3966	484363.09	3853877.25	35.8925	3.51716	34.89	11.94337	2.74E+00	3.75E+01	3.86E+00	6.83E-01	4.48E+01	2.66E+00	1.59E-04	3.86E-01	1.34E-01	3.18E+00	2.98E+00	3.75E+01	3.86E+00	6.83E-01	4.51E+01
3967	484863.09	3853877.25	13.2555	3.16127	63.964	14.67113	1.01E+00	3.37E+01	7.07E+00	8.39E-01	4.27E+01	9.81E-01	1.43E-04	7.07E-01	1.64E-01	1.85E+00	1.10E+00	3.37E+01	7.07E+00	8.39E-01	4.27E+01
3968	485363.09	3853877.25	7.68738	2.42484	43.793	8.68561	5.86E-01	2.59E+01	4.84E+00	4.97E-01	3.18E+01	5.69E-01	1.09E-04	4.84E-01	9.72E-02	1.15E+00	6.38E-01	2.59E+01	4.84E+00	4.97E-01	3.19E+01
3969	485863.09	3853877.25	9.75132	2.3121	95.627	9.74416	7.43E-01	2.47E+01	1.06E+01	5.57E-01	3.65E+01	7.22E-01	1.04E-04	1.06E+00	1.09E-01	1.89E+00	8.10E-01	2.47E+01	1.06E+01	5.57E-01	3.66E+01
3970	486363.09	3853877.25	6.76086	2.22982	30.126	10.55506	5.15E-01	2.38E+01	3.33E+00	6.04E-01	2.82E+01	5.01E-01	1.01E-04	3.33E-01	1.18E-01	9.52E-01	5.61E-01	2.38E+01	3.33E+00	6.04E-01	2.83E+01
3971	486863.09	3853877.25	3.37213	1.65552	40.988	5.13276	2.57E-01	1.77E+01	4.53E+00	2.94E-01	2.27E+01	2.50E-01	7.46E-05	4.53E-01	5.75E-02	7.60E-01	2.80E-01	1.77E+01	4.53E+00	2.94E-01	2.28E+01
3972	487363.09	3853877.25	3.36417	2.81759	71.612	4.85925	2.56E-01	3.01E+01	7.92E+00	2.78E-01	3.85E+01	2.49E-01	1.27E-04	7.92E-01	5.44E-02	1.10E+00	2.79E-01	3.01E+01	7.92E+00	2.78E-01	3.85E+01
3973	487863.09	3853877.25	6.72198	2.26137	20.671	6.95793	5.12E-01	2.41E+01	2.29E+00	3.98E-01	2.73E+01	4.98E-01	1.02E-04	2.29E-01	7.79E-02	8.04E-01	5.58E-01	2.41E+01	2.29E+00	3.98E-01	2.74E+01
3974	488363.09	3853877.25	6.7105	1.21711	26.112	7.962	5.11E-01	1.30E+01	2.89E+00	4.55E-01	1.68E+01	4.97E-01	5.49E-05	2.89E-01	8.91E-02	8.75E-01	5.57E-01	1.30E+01	2.89E+00	4.55E-01	1.69E+01
3975	488863.09	3853877.25	6.67951	1.99565	24.979	7.58638	5.09E-01	2.13E+01	2.76E+00	4.34E-01	2.50E+01	4.95E-01	9.00E-05	2.76E-01	8.49E-02	8.56E-01	5.55E-01	2.13E+01	2.76E+00	4.34E-01	2.50E+01
3976	489363.09	3853877.25	4.71255	1.19431	39.45	6.52158	3.59E-01	1.27E+01	4.36E+00	3.73E-01	1.78E+01	3.49E-01	5.38E-05	4.36E-01	7.30E-02	8.58E-01	3.91E-01	1.27E+01	4.36E+00	3.73E-01	1.79E+01
3977	489863.09	3853877.25	3.30835	1.63035	90.633	5.47332	2.52E-01	1.74E+01	1.00E+01	3.13E-01	2.80E+01	2.45E-01	7.35E-05	1.00E+00	6.13E-02	1.31E+00	2.75E-01	1.74E+01	1.00E+01	3.13E-01	2.80E+01
3978	490363.09	3853877.25	3.89486	1.70863	79.322	4.12847	2.97E-01	1.82E+01	8.77E+00	2.36E-01	2.75E+01	2.88E-01	7.70E-05	8.77E-01	4.62E-02	1.21E+00	3.23E-01	1.82E+01	8.77E+00	2.36E-01	2.76E+01
3979	490863.09	3853877.25	4.27985	1.7857	26.652	4.18653	3.26E-01	1.91E+01	2.95E+00	2.39E-01	2.26E+01	3.17E-01	8.05E-05	2.95E-01	4.69E-02	6.58E-01	3.55E-01	1.91E+01	2.95E+00	2.39E-01	2.26E+01
3980	491363.09	3853877.25	4.51342	1.45305	28.434	5.60269	3.44E-01	1.55E+01	3.14E+00	3.20E-01	1.93E+01	3.34E-01	6.55E-05	3.14E-01	6.27E-02	7.11E-01	3.75E-01	1.55E+01	3.14E+00	3.20E-01	1.93E+01
3981	491863.09	3853877.25	4.648	1.67429	52.549	4.24558	3.54E-01	1.79E+01	5.81E+00	2.43E-01	2.43E+01	3.44E-01	7.55E-05	5.81E-01	4.75E-02	9.73E-01	3.86E-01	1.79E+01	5.81E+00	2.43E-01	2.43E+01
3982	492363.09	3853877.25	4.72779	2.186	89.319	5.24822	3.60E-01	2.33E+01	9.88E+00	3.00E-01	3.39E+01	3.50E-01	9.85E-05	9.88E-01	5.88E-02	1.40E+00	3.93E-01	2.33E+01	9.88E+00	3.00E-01	3.39E+01
3983	492863.09	3853877.25	5.56465	2.36851	51.326	5.40887	4.24E-01	2.53E+01	5.67E+00	3.09E-01	3.17E+01	4.12E-01	1.07E-04	5.67E-01	6.05E-02	1.04E+00	4.62E-01	2.53E+01	5.67E+00	3.09E-01	3.17E+01
3984	493363.09	3853877.25	4.78305	1.58856	60.459	4.69396	3.65E-01	1.70E+01	6.68E+00	2.68E-01	2.43E+01	3.54E-01	7.16E-05	6.68E-01	5.25E-02	1.08E+00	3.97E-01	1.70E+01	6.68E+00	2.68E-01	2.43E+01
3985	493863.09	3853877.25	4.78352	1.1551	21.949	3.62176	3.65E-01	1.23E+01	2.43E+00	2.07E-01	1.53E+01	3.54E-01	5.21E-05	2.43E-01	4.05E-02	6.37E-01	3.97E-01	1.23E+01	2.43E+00	2.07E-01	1.54E+01
3986	494363.09	3853877.25	4.77789	1.01996	42.231	3.20031	3.64E-01	1.09E+01	4.67E+00	1.83E-01	1.61E+01	3.54E-01	4.60E-05	4.67E-01	3.58E-02	8.57E-01	3.97E-01	1.09E+01	4.67E+00	1.83E-01	1.61E+01
3987	494863.09	3853877.25	4.75635	0.99268	30.111	3.16994	3.63E-01	1.06E+01	3.33E+00	1.81E-01	1.45E+01	3.52E-01	4.47E-05	3.33E-01	3.55E-02	7.21E-01	3.95E-01	1.06E+01	3.33E+00	1.81E-01	1.45E+01
3988	495363.09	3853877.25	4.70267	0.9859	32.667	3.11484	3.58E-01	1.05E+01	3.61E+00	1.78E-01	1.47E+01	3.48E-01	4.44E-05	3.61E-01	3.49E-02	7.44E-01	3.90E-01	1.05E+01	3.61E+00	1.78E-01	1.47E+01
3989	495863.09	3853877.25	3.92387	0.96088	31.709	2.34551	2.99E-01	1.03E+01	3.51E+00	1.34E-01	1.42E+01	2.90E-01	4.33E-05	3.51E-01	2.63E-02	6.67E-01	3.26E-01	1.03E+01	3.51E+00	1.34E-01	1.42E+01
3990	496363.09	3853877.25	2.60682	1.10846	24.259	2.2358	1.99E-01	1.18E+01	2.68E+00	1.28E-01	1.48E+01	1.93E-01	5.00E-05	2.68E-01	2.50E-02	4.86E-01	2.16E-01	1.18E+01	2.68E+00	1.28E-01	1.49E+01
3991	496863.09	3853877.25	2.13231	1.32529	19.341	1.98639	1.63E-01	1.41E+01	2.14E+00	1.14E-01	1.66E+01	1.58E-01	5.97E-05	2.14E-01	2.22E-02	3.94E-01	1.77E-01	1.41E+01	2.14E+00	1.14E-01	1.66E+01
3992	497363.09	3853877.25	1.97629	1.44257	15.257	1.9501	1.51E-01	1.54E+01	1.69E+00	1.12E-01	1.73E+01	1.46E-01	6.50E-05	1.69E-01	2.18E-02	3.37E-01	1.64E-01	1.54E+01	1.69E+00	1.12E-01	1.74E+01
3993	497863.09	3853877.25	1.92391	1.43894	11.491	1.90529	1.47E-01	1.54E+01	1.27E+00	1.09E-01	1.69E+01	1.42E-01	6.49E-05	1.27E-01	2.13E-02	2.91E-01	1.60E-01	1.54E+01	1.27E+00	1.09E-01	1.69E+01
3994	498363.09	3853877.25	1.88443	1.41521	11.911	1.90089	1.44E-01	1.51E+01	1.32E+00	1.09E-01	1.67E+01	1.40E-01	6.38E-05	1.32E-01	2.13E-02	2.93E-01	1.56E-01	1.51E+01	1.32E+00	1.09E-01	1.67E+01
3995	471363.09	3854377.25	4.91998	2.23	13.195	3.58284	3.75E-01	2.38E+01	1.46E+00	2.05E-01	2.58E+01	3.64E-01	1.01E-04	1.46E-01	4.01E-02	5.50E-01	4.08E-01	2.38E+01	1.46E+00	2.05E-01	2.59E+01
3996	471863.09	3854377.25	5.29115	2.18727	18.554	3.63152	4.03E-01	2.33E+01	2.05E+00	2.08E-01	2.60E+01	3.92E-01	9.86E-05	2.05E-01	4.07E-02	6.38E-01	4.39E-01	2.33E+01	2.05E+00	2.08E-01	2.60E+01
3997	472363.09	3854377.25	5.48606	2.28531	23.567	3.68386	4.18E-01	2.44E+01	2.61E+00	2.11E-01	2.76E+01	4.06E-01	1.03E-04	2.61E-01	4.12E-02	7.08E-01	4.55E-01	2.44E+01	2.61E+00	2.11E-01	2.77E+01
3998	472863.09	3854377.25	5.73694	2.50442	26.981	3.74284	4.37E-01	2.67E+01	2.98E+00	2.14E-01	3.04E+01	4.25E-01	1.13E-04	2.98E-01	4.19E-02	7.65E-01	4.76E-01	2.67E+01	2.98E+00	2.14E-01	3.04E+01
3999	473363.09	3854377.25	6.57593	2.76406	30.684	3.80594	5.01E-01	2.95E+01	3.39E+00	2.18E-01	3.36E+01	4.87E-01	1.25E-04	3.39E-01	4.26E-02	8.69E-01	5.46E-01	2.95E+01	3.39E+00	2.18E-01	3.37E+01
4000	473863.09	3854377.25	7.43449	2.95351	33.574	3.87414	5.67E-01	3.15E+01	3.71E+00	2.22E-01	3.60E+01	5.50E-01	1.33E-04	3.71E-01	4.34E-02	9.65E-01	6.17E-01	3.15E+01	3.71E+00	2.22E-01	3.61E+01
4001	474363.09	3854377.25	8.26699	2.98597	33.373	3.94902	6.30E-01	3.19E+01	3.69E+00	2.26E-01	3.64E+01	6.12E-01	1.35E-04	3.69E-01	4.42E-02	1.03E+00	6.86E-01	3.19E+01	3.69E+00	2.26E-01	3.65E+01
4002	474863.09	3854377.25	9.01814	2.84296	23.709	4.05299	6.87E-01	3.03E+01	2.62E+00	2.32E-01	3.39E+01	6.68E-01	1.28E-04	2.62E-01	4.54E-02	9.75E-01	7.49E-01	3.03E+01	2.62E+00	2.32E-01	3.39E+01
4003	475363.09	3854377.25	4.83271	2.57376	17.11	4.18085	3.68E-01	2.75E+01	1.89E+00	2.39E-01	3.00E+01	3.58E-01	1.16E-04	1.89E-01	4.68E-02	5.94E-01	4.01E-01	2.75E+01	1.89E+00	2.39E-01	3.00E+01
4004	475863.09	3854377.25	5.11237	2.24992	15.308	4.39045	3.90E-01	2.40E+01	1.69E+00	2.51E-01	2.63E+01	3.78E-01	1.01E-04	1.69E-01	4.91E-02	5.97E-01	4.24E-01	2.40E+01	1.69E+00	2.51E-01	2.64E+01
4005	476363.09	3854377.25	5.31869	1.93188	14.264	4.48768	4.05E-01	2.06E+01	1.58E+00	2.57E-01	2.29E+01	3.94E-01	8.71E-05	1.58E-01	5.02E-02	6.02E-01	4.42E-01	2.06E+01	1.58E+00	2.57E-01	2.29E+01
4006	476863.09	3854377.25	5.45406	1.662	12.861	4.47931	4.16E-01	1.77E+01	1.42E+00	2.56E-01	1.98E+01	4.04E-01	7.49E-05	1.42E-01	5.01E-02	5.96E-01	4.53E-01	1.77E+01	1.42E+00	2.56E-01	1.99E+01
4007	477363.09	3854377.25	6.06729	1.46055	11.754	4.33807	4.62E-01	1.56E+01	1.30E+00	2.48E-01	1.76E+01	4.49E-01	6.58E-05	1.30E-01	4.86E-02	6.28E-01	5.04E-01	1.56E+01	1.30E+00	2.48E-01	1.76E+01
4008	477863.09	3854377.25	6.457	1.30568	12.696	4.02696	4.92E-01	1.39E+01	1.40E+00	2.30E-01	1.61E+01	4.78E-01	5.89E-05	1.40E-01	4.51E-02	6.64E-01	5.36E-01	1.39E+01	1.40E+00	2.30E-01	1.61E+01
4009	478363.09	3854377.25	6.61626	1.45053	13.024	3.67492	5.04E-01	1.55E+01	1.44E+00	2.10E-01	1.76E+01	4.90E-01	6.54E-05	1.44E-01	4.11E-02	6.75E-01	5.49E-01	1.55E+01	1.44E+00	2.10E-01	1.77E+01
4010	478863.09	3854377.25	6.66682	1.37267	12.589	3.40522	5.08E-01	1.46E+01	1.39E+00	1.95E-01	1.67E+01	4.94E-01	6.19E-05	1.39E-01	3.81E-02	6.71E-01	5.53E-01	1.46E+01	1.39E+00	1.95E-01	1.68E+01
4011	479363.09	3854377.25	6.68	1.36531	15.177	3.63457	5.09E-01	1.46E+01	1.68E+00	2.08E-01	1.70E+01	4.95E-01	6.15E-05	1.68E-01	4.07E-02	7.03E-01	5.55E-01	1.46E+01	1.68E+00	2.08E-01	1.70E+01
4012	479863.09	3854377.25	9.41756	2.14933	26.418	3.55041	7.18E-01	2.29E+01	2.92E+00	2.03E-01	2.68E+01	6.97E-01	9.69E-05	2.92E-01	3.97E-02	1.03E+00	7.82E-01	2.29E+01	2.92E+00	2.03E-01	2.68E+01
4013	480363.09	3854377.25	10.4004	3.49239	29.235	4.3307	7.93E-01	3.73E+01	3.23E+00	2.48E-01	4.15E+01	7.70E-01	1.57E-04	3.23E-01	4.85E-02	1.14E+00	8.63E-01	3.73E+01	3.23E+00	2.48E-01	4.16E+01
4014	480863.09	3854377.25	17.3074	4.38852	18.322	6.7471	1.32E+00	4.68E+01	2.03E+00	3.86E-01	5.06E+01	1.28E+00	1.98E-04	2.03E-01	7.55E-02	1.56E+00	1.44E+00	4.68E+01	2.03E+00	3.86E-01	5.07E+01
4015	481363.09	3854377.25	22.7076	9.50528	10.403	9.566	1.73E+00	1.01E+02	1.15E+00	5.47E-01	1.05E+02	1.68E+00	4.28E-04	1.15E-01	1.07E-01	1.90E+00	1.89E+00	1.01E+02	1.15E+00	5.47E-01	1.05E+02
4016	481863.09	3854377.25	26.6582	27.7793	9.7908	11.1388	2.03E+00	2.96E+02	1.08E+00	6.37E-01	3.00E+02	1.97E+00	1.25E-03	1.08E-01	1.25E-01	2.21E+00	2.21E+00	2.96E+02	1.08E+00	6.37E-01	3.00E+02
4017	482363.09	3854377.25	29.7713	23.3132	13.708	13.85177	2.27E+00	2.49E+02	1.52E+00	7.92E-01	2.53E+02	2.20E+00	1.05E-03	1.52E-01	1.55E-01	2.51E+00	2.47E+00	2.49E+02	1.52E+00	7.92E-01	2.54E+02
4018	482863.09	3854377.25	45.9078	13.994	20.045	13.70032	3.50E+00	1.49E+02	2.22E+00	7.83E-01	1.56E+02	3.40E+00	6.31E-04	2.22E-01	1.53E-01	3.77E+00	3.81E+00	1.49E+02	2.22E+00	7.83E-01	1.56E+02
4019	483363.09	3854377.25	64.4353	8.59335	25.516	14.71994	4.91E+00	9.17E+01	2.82E+00	8.42E-01	1.00E+02	4.77E+00	3.87E-04	2.82E-01	1.65E-01	5.22E+00	5.35E+00	9.17E+01	2.82E+00	8.42E-01	1.01E+02
4020	483863.09	3854377.25	91.3881	5.45351	26.408	10.28441	6.97E+00	5.82E+01	2.92E+00	5.88E-01	6.87E+01	6.77E+00	2.46E-04	2.92E-01	1.15E-01	7.17E+00	7.59E+00	5.82E+01	2.92E+00	5.88E-01	6.93E+01
4021	484363.09	3854377.25	35.5132	4.18031	20.807	12.04111	2.71E+00	4.46E+01	2.30E+00	6.89E-01	5.03E+01	2.63E+00	1.88E-04	2.30E-01	1.35E-01	2.99E+00	2.95E+00	4.46E+01	2.30E+00	6.89E-01	5.05E+01
4022	484863.09	3854377.25	10.498	2.6915	82.867	15.9686	8.00E-01	2.87E+01	9.16E+00	9.13E-01	3.96E+01	7.77E-01	1.21E-04	9.16E-01	1.79E-01	1.87E+00	8.72E-01	2.87E+01	9.16E+00	9.13E-01	3.97E+01

4023	485363.09	3854377.25	9.92432	3.49506	49.754	10.66887	7.56E-01	3.73E+01	5.50E+00	6.10E-01	4.42E+01	7.35E-01	1.58E-04	5.50E-01	1.19E-01	1.40E+00	8.24E-01	3.73E+01	5.50E+00	6.10E-01	4.42E+01
4024	485863.09	3854377.25	9.77747	2.31434	116.07	17.77862	7.45E-01	2.47E+01	1.28E+01	1.02E+00	3.93E+01	7.24E-01	1.04E-04	1.28E+00	1.99E-01	2.21E+00	8.12E-01	2.47E+01	1.28E+01	1.02E+00	3.94E+01
4025	486363.09	3854377.25	9.31897	3.21455	43.187	9.52706	7.10E-01	3.43E+01	4.77E+00	5.45E-01	4.03E+01	6.90E-01	1.45E-04	4.77E-01	1.07E-01	1.27E+00	7.74E-01	3.43E+01	4.77E+00	5.45E-01	4.04E+01
4026	486863.09	3854377.25	6.75196	1.64505	59.372	11.16222	5.15E-01	1.76E+01	6.56E+00	6.38E-01	2.53E+01	5.00E-01	7.42E-05	6.56E-01	1.25E-01	1.28E+00	5.61E-01	1.76E+01	6.56E+00	6.38E-01	2.53E+01
4027	487363.09	3854377.25	6.74604	2.74435	124.27	13.05844	5.14E-01	2.93E+01	1.37E+01	7.47E-01	4.43E+01	4.99E-01	1.24E-04	1.37E+00	1.46E-01	2.02E+00	5.60E-01	2.93E+01	1.37E+01	7.47E-01	4.43E+01
4028	487863.09	3854377.25	6.75114	2.45983	21.99	12.59401	5.15E-01	2.63E+01	2.43E+00	7.20E-01	2.99E+01	5.00E-01	1.11E-04	2.43E-01	1.41E-01	8.84E-01	5.60E-01	2.63E+01	2.43E+00	7.20E-01	3.00E+01
4029	488363.09	3854377.25	6.74434	2.25986	25.477	11.42623	5.14E-01	2.41E+01	2.82E+00	6.53E-01	2.81E+01	4.99E-01	1.02E-04	2.82E-01	1.28E-01	9.09E-01	5.60E-01	2.41E+01	2.82E+00	6.53E-01	2.81E+01
4030	488863.09	3854377.25	5.82442	1.92815	31.979	9.32021	4.44E-01	2.06E+01	3.54E+00	5.33E-01	2.51E+01	4.31E-01	8.69E-05	3.54E-01	1.04E-01	8.89E-01	4.84E-01	2.06E+01	3.54E+00	5.33E-01	2.51E+01
4031	489363.09	3854377.25	5.7207	1.35241	75.651	7.89185	4.36E-01	1.44E+01	8.36E+00	4.51E-01	2.37E+01	4.24E-01	6.10E-05	8.36E-01	8.83E-02	1.35E+00	4.75E-01	1.44E+01	8.36E+00	4.51E-01	2.37E+01
4032	489863.09	3854377.25	5.70562	1.69173	177.6	6.45337	4.35E-01	1.81E+01	1.96E+01	3.69E-01	3.85E+01	4.22E-01	7.63E-05	1.96E+00	7.22E-02	2.46E+00	4.74E-01	1.81E+01	1.96E+01	3.69E-01	3.85E+01
4033	490363.09	3854377.25	5.68159	1.8299	44.392	7.38857	4.33E-01	1.95E+01	4.91E+00	4.23E-01	2.53E+01	4.21E-01	8.25E-05	4.91E-01	8.27E-02	9.94E-01	4.72E-01	1.95E+01	4.91E+00	4.23E-01	2.53E+01
4034	490863.09	3854377.25	4.7918	1.45339	28.538	7.82608	3.65E-01	1.55E+01	3.16E+00	4.48E-01	1.95E+01	3.55E-01	6.55E-05	3.16E-01	8.76E-02	7.58E-01	3.98E-01	1.55E+01	3.16E+00	4.48E-01	1.95E+01
4035	491363.09	3854377.25	5.62074	1.79042	76.95	5.81174	4.28E-01	1.91E+01	8.51E+00	3.32E-01	2.84E+01	4.16E-01	8.07E-05	8.51E-01	6.51E-02	1.33E+00	4.67E-01	1.91E+01	8.51E+00	3.32E-01	2.84E+01
4036	491863.09	3854377.25	5.62267	2.00104	126.44	6.29859	4.29E-01	2.14E+01	1.40E+01	3.60E-01	3.61E+01	4.16E-01	9.02E-05	1.40E+00	7.05E-02	1.88E+00	4.67E-01	2.14E+01	1.40E+01	3.60E-01	3.62E+01
4037	492363.09	3854377.25	5.27988	2.49635	74.618	7.04212	4.02E-01	2.66E+01	8.25E+00	4.03E-01	3.57E+01	3.91E-01	1.13E-04	8.25E-01	7.88E-02	1.29E+00	4.38E-01	2.66E+01	8.25E+00	4.03E-01	3.57E+01
4038	492863.09	3854377.25	5.08398	2.04939	64.966	6.56144	3.88E-01	2.19E+01	7.18E+00	3.75E-01	2.98E+01	3.76E-01	9.24E-05	7.18E-01	7.35E-02	1.17E+00	4.22E-01	2.19E+01	7.18E+00	3.75E-01	2.99E+01
4039	493363.09	3854377.25	4.79961	2.0481	53.548	5.31097	3.66E-01	2.19E+01	5.92E+00	3.04E-01	2.84E+01	3.55E-01	9.23E-05	5.92E-01	5.95E-02	1.01E+00	3.98E-01	2.19E+01	5.92E+00	3.04E-01	2.85E+01
4040	493863.09	3854377.25	4.75908	1.54924	73.723	4.83757	3.63E-01	1.65E+01	8.15E+00	2.77E-01	2.53E+01	3.52E-01	6.98E-05	8.15E-01	5.42E-02	1.22E+00	3.95E-01	1.65E+01	8.15E+00	2.77E-01	2.54E+01
4041	494363.09	3854377.25	4.67048	1.60402	68.074	3.52053	3.56E-01	1.71E+01	7.53E+00	2.01E-01	2.52E+01	3.46E-01	7.23E-05	7.53E-01	3.94E-02	1.14E+00	3.88E-01	1.71E+01	7.53E+00	2.01E-01	2.52E+01
4042	494863.09	3854377.25	4.47861	1.05271	47.491	2.82119	3.41E-01	1.12E+01	5.25E+00	1.61E-01	1.70E+01	3.32E-01	4.75E-05	5.25E-01	3.16E-02	8.88E-01	3.72E-01	1.12E+01	5.25E+00	1.61E-01	1.70E+01
4043	495363.09	3854377.25	2.61511	1.14501	28.964	2.41535	1.99E-01	1.22E+01	3.20E+00	1.38E-01	1.58E+01	1.94E-01	5.16E-05	3.20E-01	2.70E-02	5.41E-01	2.17E-01	1.22E+01	3.20E+00	1.38E-01	1.58E+01
4044	495863.09	3854377.25	2.15041	1.36326	20.95	2.27079	1.64E-01	1.45E+01	2.32E+00	1.30E-01	1.72E+01	1.59E-01	6.15E-05	2.32E-01	2.54E-02	4.16E-01	1.79E-01	1.45E+01	2.32E+00	1.30E-01	1.72E+01
4045	496363.09	3854377.25	2.14734	1.46549	15.868	2.10516	1.64E-01	1.56E+01	1.75E+00	1.20E-01	1.77E+01	1.59E-01	6.61E-05	1.75E-01	2.36E-02	3.58E-01	1.78E-01	1.56E+01	1.75E+00	1.20E-01	1.77E+01
4046	496863.09	3854377.25	2.30479	1.43567	12.621	2.14723	1.76E-01	1.53E+01	1.40E+00	1.23E-01	1.70E+01	1.71E-01	6.47E-05	1.40E-01	2.40E-02	3.34E-01	1.91E-01	1.53E+01	1.40E+00	1.23E-01	1.70E+01
4047	497363.09	3854377.25	2.45619	1.40523	13.568	2.14639	1.87E-01	1.50E+01	1.50E+00	1.23E-01	1.68E+01	1.82E-01	6.33E-05	1.50E-01	2.40E-02	3.56E-01	2.04E-01	1.50E+01	1.50E+00	1.23E-01	1.68E+01
4048	497863.09	3854377.25	2.60027	1.4795	13.751	2.14287	1.98E-01	1.58E+01	1.52E+00	1.23E-01	1.76E+01	1.93E-01	6.67E-05	1.52E-01	2.40E-02	3.69E-01	2.16E-01	1.58E+01	1.52E+00	1.23E-01	1.76E+01
4049	498363.09	3854377.25	2.73967	1.59158	13.384	2.14489	2.09E-01	1.70E+01	1.48E+00	1.23E-01	1.88E+01	2.03E-01	7.17E-05	1.48E-01	2.40E-02	3.75E-01	2.27E-01	1.70E+01	1.48E+00	1.23E-01	1.88E+01
4050	471363.09	3854877.25	4.31079	2.9931	11.776	3.39854	3.29E-01	3.19E+01	1.30E+00	1.94E-01	3.38E+01	3.19E-01	1.35E-04	1.30E-01	3.80E-02	4.88E-01	3.58E-01	3.19E+01	1.30E+00	1.94E-01	3.38E+01
4051	471863.09	3854877.25	4.74237	2.82281	11.768	3.63044	3.61E-01	3.01E+01	1.30E+00	2.08E-01	3.20E+01	3.51E-01	1.27E-04	1.30E-01	4.06E-02	5.22E-01	3.94E-01	3.01E+01	1.30E+00	2.08E-01	3.20E+01
4052	472363.09	3854877.25	5.08171	2.58544	12.053	4.21553	3.87E-01	2.76E+01	1.33E+00	2.41E-01	2.96E+01	3.76E-01	1.17E-04	1.33E-01	4.72E-02	5.57E-01	4.22E-01	2.76E+01	1.33E+00	2.41E-01	2.96E+01
4053	472863.09	3854877.25	5.20825	2.33206	13.162	4.16325	3.97E-01	2.49E+01	1.46E+00	2.38E-01	2.70E+01	3.86E-01	1.05E-04	1.46E-01	4.66E-02	5.78E-01	4.32E-01	2.49E+01	1.46E+00	2.38E-01	2.70E+01
4054	473363.09	3854877.25	5.62901	2.24886	18.001	5.23692	4.29E-01	2.40E+01	1.99E+00	2.99E-01	2.67E+01	4.17E-01	1.01E-04	1.99E-01	5.86E-02	6.74E-01	4.67E-01	2.40E+01	1.99E+00	2.99E-01	2.68E+01
4055	473863.09	3854877.25	5.9741	2.28086	25.004	6.1051	4.55E-01	2.43E+01	2.76E+00	3.49E-01	2.79E+01	4.42E-01	1.03E-04	2.76E-01	6.83E-02	7.87E-01	4.96E-01	2.43E+01	2.76E+00	3.49E-01	2.80E+01
4056	474363.09	3854877.25	6.42369	2.36711	33.926	7.32123	4.90E-01	2.53E+01	3.75E+00	4.19E-01	2.99E+01	4.76E-01	1.07E-04	3.75E-01	8.20E-02	9.33E-01	5.33E-01	2.53E+01	3.75E+00	4.19E-01	3.00E+01
4057	474863.09	3854877.25	5.15134	2.49267	37.092	5.32232	3.93E-01	2.66E+01	4.10E+00	3.04E-01	3.14E+01	3.81E-01	1.12E-04	4.10E-01	5.96E-02	8.51E-01	4.28E-01	2.66E+01	4.10E+00	3.04E-01	3.14E+01
4058	475363.09	3854877.25	3.18021	2.83669	18.049	3.9324	2.42E-01	3.03E+01	2.00E+00	2.25E-01	3.27E+01	2.35E-01	1.28E-04	2.00E-01	4.40E-02	4.79E-01	2.64E-01	3.03E+01	2.00E+00	2.25E-01	3.28E+01
4059	475863.09	3854877.25	3.28111	3.07312	18.728	4.08064	2.50E-01	3.28E+01	2.07E+00	2.33E-01	3.53E+01	2.43E-01	1.39E-04	2.07E-01	4.57E-02	4.96E-01	2.72E-01	3.28E+01	2.07E+00	2.33E-01	3.54E+01
4060	476363.09	3854877.25	3.77026	3.09319	19.448	4.49634	2.87E-01	3.30E+01	2.15E+00	2.57E-01	3.57E+01	2.79E-01	1.39E-04	2.15E-01	5.03E-02	5.45E-01	3.13E-01	3.30E+01	2.15E+00	2.57E-01	3.57E+01
4061	476863.09	3854877.25	4.24377	2.90332	19.305	4.79037	3.23E-01	3.10E+01	2.13E+00	2.74E-01	3.37E+01	3.14E-01	1.31E-04	2.13E-01	5.36E-02	5.81E-01	3.52E-01	3.10E+01	2.13E+00	2.74E-01	3.37E+01
4062	477363.09	3854877.25	4.67661	2.59069	18.35	4.9711	3.56E-01	2.76E+01	2.03E+00	2.84E-01	3.03E+01	3.46E-01	1.17E-04	2.03E-01	5.56E-02	6.05E-01	3.88E-01	2.76E+01	2.03E+00	2.84E-01	3.03E+01
4063	477863.09	3854877.25	5.04301	2.23975	16.947	5.12252	3.84E-01	2.39E+01	1.87E+00	2.93E-01	2.65E+01	3.73E-01	1.01E-04	1.87E-01	5.73E-02	6.18E-01	4.19E-01	2.39E+01	1.87E+00	2.93E-01	2.65E+01
4064	478363.09	3854877.25	5.32616	1.89997	14.876	5.03068	4.06E-01	2.03E+01	1.64E+00	2.88E-01	2.26E+01	3.94E-01	8.56E-05	1.64E-01	5.63E-02	6.15E-01	4.42E-01	2.03E+01	1.64E+00	2.88E-01	2.27E+01
4065	478863.09	3854877.25	5.57416	1.6191	17.966	4.69207	4.25E-01	1.73E+01	1.99E+00	2.68E-01	2.00E+01	4.13E-01	7.30E-05	1.99E-01	5.25E-02	6.64E-01	4.63E-01	1.73E+01	1.99E+00	2.68E-01	2.00E+01
4066	479363.09	3854877.25	11.2938	1.90288	24.855	4.22644	8.61E-01	2.03E+01	2.75E+00	2.42E-01	2.42E+01	8.36E-01	8.58E-05	2.75E-01	4.73E-02	1.16E+00	9.38E-01	2.03E+01	2.75E+00	2.42E-01	2.42E+01
4067	479863.09	3854877.25	11.4936	2.45672	43.576	7.03804	8.76E-01	2.62E+01	4.82E+00	4.02E-01	3.23E+01	8.51E-01	1.11E-04	4.82E-01	7.88E-02	1.41E+00	9.54E-01	2.62E+01	4.82E+00	4.02E-01	3.24E+01
4068	480363.09	3854877.25	13.4571	3.6126	41.407	12.24544	1.03E+00	3.86E+01	4.58E+00	7.00E-01	4.49E+01	9.96E-01	1.63E-04	4.58E-01	1.37E-01	1.59E+00	1.12E+00	3.86E+01	4.58E+00	7.00E-01	4.49E+01
4069	480863.09	3854877.25	15.536	7.2204	38.332	11.65191	1.18E+00	7.71E+01	4.24E+00	6.66E-01	8.31E+01	1.15E+00	3.25E-04	4.24E-01	1.30E-01	1.70E+00	1.29E+00	7.71E+01	4.24E+00	6.66E-01	8.32E+01
4070	481363.09	3854877.25	18.9127	8.64443	35.628	8.09884	1.44E+00	9.23E+01	3.94E+00	4.63E-01	9.81E+01	1.40E+00	3.90E-04	3.94E-01	9.07E-02	1.89E+00	1.57E+00	9.23E+01	3.94E+00	4.63E-01	9.82E+01
4071	481863.09	3854877.25	21.0864	5.87283	21.312	9.55845	1.61E+00	6.27E+01	2.36E+00	5.47E-01	6.72E+01	1.56E+00	2.65E-04	2.36E-01	1.07E-01	1.90E+00	1.75E+00	6.27E+01	2.36E+00	5.47E-01	6.73E+01
4072	482363.09	3854877.25	25.3442	34.8118	11.431	11.8277	1.93E+00	3.72E+02	1.26E+00	6.76E-01	3.75E+02	1.88E+00	1.57E-03	1.26E-01	1.32E-01	2.14E+00	2.10E+00	3.72E+02	1.26E+00	6.76E-01	3.76E+02
4073	482863.09	3854877.25	32.4355	22.5072	12.073	13.80368	2.47E+00	2.40E+02	1.33E+00	7.89E-01	2.45E+02	2.40E+00	1.01E-03	1.33E-01	1.55E-01	2.69E+00	2.69E+00	2.40E+02	1.33E+00	7.89E-01	2.45E+02
4074	483363.09	3854877.25	43.5121	15.2015	19.321	13.94432	3.32E+00	1.62E+02	2.14E+00	7.97E-01	1.68E+02	3.22E+00	6.85E-04	2.14E-01	1.56E-01	3.59E+00	3.61E+00	1.62E+02	2.14E+00	7.97E-01	1.69E+02
4075	483863.09	3854877.25	83.8542	8.09817	26.806	12.14724	6.39E+00	8.64E+01	2.96E+00	6.95E-01	9.65E+01	6.21E+00	3.65E-04	2.96E-01	1.36E-01	6.64E+00	6.96E+00	8.64E+01	2.96E+00	6.95E-01	9.70E+01
4076	484363.09	3854877.25	125.348	5.3261	29.76	16.14384	9.55E+00	5.68E+01	3.29E+00	9.23E-01	7.06E+01	9.28E+00	2.40E-04	3.29E-01	1.81E-01	9.79E+00	1.04E+01	5.68E+01	3.29E+00	9.23E-01	7.15E+01
4077	484863.09	3854877.25	43.6744	3.67952	24.078	12.80299	3.33E+00	3.93E+01	2.66E+00	7.32E-01	4.60E+01	3.23E+00	1.66E-04	2.66E-01	1.43E-01	3.64E+00	3.63E+00	3.93E+01	2.66E+00	7.32E-01	4.63E+01
4078	485363.09	3854877.25	23.5875	3.52957	83.565	23.59588	1.80E+00	3.77E+01	9.24E+00	1.35E+00	5.01E+01	1.75E+00	1.59E-04	9.24E-01	2.64E-01	2.93E+00	1.96E+00	3.77E+01	9.24E+00	1.35E+00	5.02E+01
4079	485863.09	3854877.25	14.3999	3.32874	34.331	20.07124	1.10E+00	3.55E+01	3.80E+00	1.15E+00	4.16E+01	1.07E+00	1.50E-04	3.80E-01	2.25E-01	1.67E+00	1.20E+00	3.55E+01	3.80E+00	1.15E+00	4.17E+01
4080	486363.09	3854877.25	9.76213	3.25732	164.05	22.91386	7.44E-01	3.48E+01	1.81E+01	1.31E+00	5.50E+01	7.23E-01	1.47E-04	1.81E+00	2.57E-01	2.79E+00	8.10E-01	3.48E+01	1.81E+01	1.31E+00	5.50E+01
4081	486863.09	3854877.25	6.79234	2.82161	39.919	19.66119	5.18E-01	3.01E+01	4.41E+00	1.12E+00	3.62E+01	5.03E-01	1.27E-04	4.41E-01	2.20E-01	1.16E+00	5.64E-01	3.01E+01	4.41E+00	1.12E+00	3.62E+01
4082	487363.09	3854877.25	6.7902	2.62948	109.59	14.28414	5.18E-01	2.81E+01	1.21E+01	8.17E-01	4.15E+01	5.03E-01	1.19E-04	1.21E+00	1.60E-01	1.87E+00	5.64E-01	2.81E+01	1.21E+01	8.17E-01	4.16E+01
4083	487863.09	3854877.25	6.7867	2.63318	30.261	10.91561	5.17E-01	2.81E+01	3.35E+00	6.24E-01	3.26E+01	5.02E-01	1.19E-04	3.35E-01	1.22E-01	9.59E-01	5.63E-01	2.81E+01	3.35E+00	6.24E-01	3.26E+01

4084	488363.09	3854877.25	7.85908	2.35146	26.171	10.0783	5.99E-01	2.51E+01	2.89E+00	5.76E-01	2.92E+01	5.82E-01	1.06E-04	2.89E-01	1.13E-01	9.84E-01	6.52E-01	2.51E+01	2.89E+00	5.76E-01	2.92E+01
4085	488863.09	3854877.25	8.79314	1.94529	41.955	8.93167	6.70E-01	2.08E+01	4.64E+00	5.11E-01	2.66E+01	6.51E-01	8.77E-05	4.64E-01	1.00E-01	1.21E+00	7.30E-01	2.08E+01	4.64E+00	5.11E-01	2.66E+01
4086	489363.09	3854877.25	8.77166	1.78168	95.386	9.43688	6.69E-01	1.90E+01	1.05E+01	5.40E-01	3.08E+01	6.49E-01	8.03E-05	1.05E+00	1.06E-01	1.81E+00	7.28E-01	1.90E+01	1.05E+01	5.40E-01	3.08E+01
4087	489863.09	3854877.25	7.8039	1.92667	122.6	10.1559	5.95E-01	2.06E+01	1.36E+01	5.81E-01	3.53E+01	5.78E-01	8.69E-05	1.36E+00	1.14E-01	2.05E+00	6.48E-01	2.06E+01	1.36E+01	5.81E-01	3.53E+01
4088	490363.09	3854877.25	6.69228	1.61835	27.03	7.32194	5.10E-01	1.73E+01	2.99E+00	4.19E-01	2.12E+01	4.95E-01	7.30E-05	2.99E-01	8.20E-02	8.76E-01	5.56E-01	1.73E+01	2.99E+00	4.19E-01	2.12E+01
4089	490863.09	3854877.25	4.75196	1.56581	25.693	4.01788	3.62E-01	1.67E+01	2.84E+00	2.30E-01	2.01E+01	3.52E-01	7.06E-05	2.84E-01	4.50E-02	6.81E-01	3.95E-01	1.67E+01	2.84E+00	2.30E-01	2.02E+01
4090	491363.09	3854877.25	4.76106	1.88818	59.443	3.91745	3.63E-01	2.02E+01	6.57E+00	2.24E-01	2.73E+01	3.52E-01	8.51E-05	6.57E-01	4.39E-02	1.05E+00	3.95E-01	2.02E+01	6.57E+00	2.24E-01	2.73E+01
4091	491863.09	3854877.25	7.82395	2.56642	90.955	8.86783	5.96E-01	2.74E+01	1.01E+01	5.07E-01	3.85E+01	5.79E-01	1.16E-04	1.01E+00	9.93E-02	1.68E+00	6.50E-01	2.74E+01	1.01E+01	5.07E-01	3.86E+01
4092	492363.09	3854877.25	8.11571	2.01846	48.095	9.14084	6.19E-01	2.15E+01	5.32E+00	5.23E-01	2.80E+01	6.01E-01	9.10E-05	5.32E-01	1.02E-01	1.23E+00	6.74E-01	2.15E+01	5.32E+00	5.23E-01	2.81E+01
4093	492863.09	3854877.25	8.34934	1.89773	102.93	8.42069	6.36E-01	2.03E+01	1.14E+01	4.82E-01	3.27E+01	6.18E-01	8.55E-05	1.14E+00	9.43E-02	1.85E+00	6.93E-01	2.03E+01	1.14E+01	4.82E-01	3.28E+01
4094	493363.09	3854877.25	8.54721	1.74992	103.01	8.11714	6.51E-01	1.87E+01	1.14E+01	4.64E-01	3.12E+01	6.33E-01	7.89E-05	1.14E+00	9.09E-02	1.86E+00	7.10E-01	1.87E+01	1.14E+01	4.64E-01	3.12E+01
4095	493863.09	3854877.25	8.72701	1.69648	107.4	5.34421	6.65E-01	1.81E+01	1.19E+01	3.06E-01	3.09E+01	6.46E-01	7.65E-05	1.19E+00	5.98E-02	1.89E+00	7.25E-01	1.81E+01	1.19E+01	3.06E-01	3.10E+01
4096	494363.09	3854877.25	4.43141	1.18265	65.912	4.30398	3.38E-01	1.26E+01	7.29E+00	2.46E-01	2.05E+01	3.28E-01	5.33E-05	7.29E-01	4.82E-02	1.11E+00	3.68E-01	1.26E+01	7.29E+00	2.46E-01	2.05E+01
4097	494863.09	3854877.25	4.51385	1.40203	31.262	2.72665	3.44E-01	1.50E+01	3.46E+00	1.56E-01	1.89E+01	3.34E-01	6.32E-05	3.46E-01	3.05E-02	7.10E-01	3.75E-01	1.50E+01	3.46E+00	1.56E-01	1.89E+01
4098	495363.09	3854877.25	4.59013	1.48578	17.966	2.74581	3.50E-01	1.59E+01	1.99E+00	1.57E-01	1.83E+01	3.40E-01	6.70E-05	1.99E-01	3.07E-02	5.69E-01	3.81E-01	1.59E+01	1.99E+00	1.57E-01	1.84E+01
4099	495863.09	3854877.25	4.65946	1.42647	14.364	2.74194	3.55E-01	1.52E+01	1.59E+00	1.57E-01	1.73E+01	3.45E-01	6.43E-05	1.59E-01	3.07E-02	5.35E-01	3.87E-01	1.52E+01	1.59E+00	1.57E-01	1.74E+01
4100	496363.09	3854877.25	4.72184	1.39401	15.45	2.7373	3.60E-01	1.49E+01	1.71E+00	1.57E-01	1.71E+01	3.50E-01	6.28E-05	1.71E-01	3.06E-02	5.51E-01	3.92E-01	1.49E+01	1.71E+00	1.57E-01	1.71E+01
4101	496863.09	3854877.25	4.77923	1.4921	15.197	2.70346	3.64E-01	1.59E+01	1.68E+00	1.55E-01	1.81E+01	3.54E-01	6.73E-05	1.68E-01	3.03E-02	5.52E-01	3.97E-01	1.59E+01	1.68E+00	1.55E-01	1.82E+01
4102	497363.09	3854877.25	4.83285	1.61387	14.01	2.55065	3.68E-01	1.72E+01	1.55E+00	1.46E-01	1.93E+01	3.58E-01	7.28E-05	1.55E-01	2.86E-02	5.41E-01	4.01E-01	1.72E+01	1.55E+00	1.46E-01	1.93E+01
4103	497863.09	3854877.25	4.883	1.63423	12.575	2.63905	3.72E-01	1.74E+01	1.39E+00	1.51E-01	1.94E+01	3.62E-01	7.37E-05	1.39E-01	2.95E-02	5.30E-01	4.05E-01	1.74E+01	1.39E+00	1.51E-01	1.94E+01
4104	498363.09	3854877.25	4.92915	1.52748	12.542	2.60424	3.76E-01	1.63E+01	1.39E+00	1.49E-01	1.82E+01	3.65E-01	6.89E-05	1.39E-01	2.92E-02	5.33E-01	4.09E-01	1.63E+01	1.39E+00	1.49E-01	1.82E+01
4105	471363.09	3855377.25	4.26536	2.81941	28.705	3.23532	3.25E-01	3.01E+01	3.17E+00	1.85E-01	3.38E+01	3.16E-01	1.27E-04	3.17E-01	3.62E-02	6.69E-01	3.54E-01	3.01E+01	3.17E+00	1.85E-01	3.38E+01
4106	471863.09	3855377.25	4.34814	2.99958	27.864	3.2751	3.31E-01	3.20E+01	3.08E+00	1.87E-01	3.56E+01	3.22E-01	1.35E-04	3.08E-01	3.67E-02	6.67E-01	3.61E-01	3.20E+01	3.08E+00	1.87E-01	3.56E+01
4107	472363.09	3855377.25	4.61775	3.12018	29.244	3.35495	3.52E-01	3.33E+01	3.23E+00	1.92E-01	3.71E+01	3.42E-01	1.41E-04	3.23E-01	3.76E-02	7.03E-01	3.83E-01	3.33E+01	3.23E+00	1.92E-01	3.71E+01
4108	472863.09	3855377.25	4.65885	3.14878	26.628	3.41606	3.55E-01	3.36E+01	2.94E+00	1.95E-01	3.71E+01	3.45E-01	1.42E-04	2.94E-01	3.82E-02	6.78E-01	3.87E-01	3.36E+01	2.94E+00	1.95E-01	3.71E+01
4109	473363.09	3855377.25	5.04299	3.06586	27.114	3.71142	3.84E-01	3.27E+01	3.00E+00	2.12E-01	3.63E+01	3.73E-01	1.38E-04	3.00E-01	4.15E-02	7.15E-01	4.19E-01	3.27E+01	3.00E+00	2.12E-01	3.63E+01
4110	473863.09	3855377.25	5.31069	2.87182	25.022	4.75478	4.05E-01	3.06E+01	2.77E+00	2.72E-01	3.41E+01	3.93E-01	1.29E-04	2.77E-01	5.32E-02	7.23E-01	4.41E-01	3.06E+01	2.77E+00	2.72E-01	3.41E+01
4111	474363.09	3855377.25	5.5225	2.77374	38.153	10.36843	4.21E-01	2.96E+01	4.22E+00	5.93E-01	3.48E+01	4.09E-01	1.25E-04	4.22E-01	1.16E-01	9.47E-01	4.58E-01	2.96E+01	4.22E+00	5.93E-01	3.49E+01
4112	474863.09	3855377.25	4.52223	2.2806	18.502	5.37801	3.45E-01	2.43E+01	2.05E+00	3.08E-01	2.70E+01	3.35E-01	1.03E-04	2.05E-01	6.02E-02	6.00E-01	3.75E-01	2.43E+01	2.05E+00	3.08E-01	2.71E+01
4113	475363.09	3855377.25	2.95439	2.24991	15.86	3.77764	2.25E-01	2.40E+01	1.75E+00	2.16E-01	2.62E+01	2.19E-01	1.01E-04	1.75E-01	4.23E-02	4.36E-01	2.45E-01	2.40E+01	1.75E+00	2.16E-01	2.62E+01
4114	475863.09	3855377.25	2.28242	2.34025	17.653	3.98609	1.74E-01	2.50E+01	1.95E+00	2.28E-01	2.73E+01	1.69E-01	1.05E-04	1.95E-01	4.46E-02	4.09E-01	1.89E-01	2.50E+01	1.95E+00	2.28E-01	2.73E+01
4115	476363.09	3855377.25	2.32101	2.40784	18.928	4.06233	1.77E-01	2.57E+01	2.09E+00	2.32E-01	2.82E+01	1.72E-01	1.09E-04	2.09E-01	4.55E-02	4.27E-01	1.93E-01	2.57E+01	2.09E+00	2.32E-01	2.82E+01
4116	476863.09	3855377.25	2.3544	2.48153	20.3	4.21379	1.79E-01	2.65E+01	2.24E+00	2.41E-01	2.91E+01	1.74E-01	1.12E-04	2.24E-01	4.72E-02	4.46E-01	1.95E-01	2.65E+01	2.24E+00	2.41E-01	2.92E+01
4117	477363.09	3855377.25	2.39053	2.93746	21.213	4.31762	1.82E-01	3.13E+01	2.35E+00	2.47E-01	3.41E+01	1.77E-01	1.32E-04	2.35E-01	4.83E-02	4.60E-01	1.98E-01	3.13E+01	2.35E+00	2.47E-01	3.41E+01
4118	477863.09	3855377.25	2.98287	3.21978	21.479	4.35324	2.27E-01	3.44E+01	2.37E+00	2.49E-01	3.72E+01	2.21E-01	1.45E-04	2.37E-01	4.87E-02	5.07E-01	2.48E-01	3.44E+01	2.37E+00	2.49E-01	3.72E+01
4119	478363.09	3855377.25	3.29052	3.20054	21.188	4.37765	2.51E-01	3.42E+01	2.34E+00	2.50E-01	3.70E+01	2.44E-01	1.44E-04	2.34E-01	4.90E-02	5.27E-01	2.73E-01	3.42E+01	2.34E+00	2.50E-01	3.70E+01
4120	478863.09	3855377.25	3.874	2.94612	20.316	4.4963	2.95E-01	3.14E+01	2.25E+00	2.57E-01	3.42E+01	2.87E-01	1.33E-04	2.25E-01	5.03E-02	5.62E-01	3.22E-01	3.14E+01	2.25E+00	2.57E-01	3.43E+01
4121	479363.09	3855377.25	8.85967	2.59787	18.674	4.70866	6.75E-01	2.77E+01	2.06E+00	2.69E-01	3.07E+01	6.56E-01	1.17E-04	2.06E-01	5.27E-02	9.15E-01	7.36E-01	2.77E+01	2.06E+00	2.69E-01	3.08E+01
4122	479863.09	3855377.25	9.86157	2.23258	17.829	6.19031	7.52E-01	2.38E+01	1.97E+00	3.54E-01	2.69E+01	7.30E-01	1.01E-04	1.97E-01	6.93E-02	9.97E-01	8.19E-01	2.38E+01	1.97E+00	3.54E-01	2.70E+01
4123	480363.09	3855377.25	10.7004	2.8341	27.955	16.98278	8.16E-01	3.02E+01	3.09E+00	9.71E-01	3.51E+01	7.92E-01	1.28E-04	3.09E-01	1.90E-01	1.29E+00	8.88E-01	3.02E+01	3.09E+00	9.71E-01	3.52E+01
4124	480863.09	3855377.25	13.8097	5.52999	42.845	12.28538	1.05E+00	5.90E+01	4.74E+00	7.03E-01	6.55E+01	1.02E+00	2.49E-04	4.74E-01	1.38E-01	1.63E+00	1.15E+00	5.90E+01	4.74E+00	7.03E-01	6.56E+01
4125	481363.09	3855377.25	16.3756	11.5653	37.124	12.45011	1.25E+00	1.23E+02	4.10E+00	7.12E-01	1.29E+02	1.21E+00	5.21E-04	4.10E-01	1.39E-01	1.76E+00	1.36E+00	1.23E+02	4.10E+00	7.12E-01	1.30E+02
4126	481863.09	3855377.25	17.9322	20.7164	32.962	11.83733	1.37E+00	2.21E+02	3.64E+00	6.77E-01	2.27E+02	1.33E+00	9.34E-04	3.64E-01	1.33E-01	1.83E+00	1.49E+00	2.21E+02	3.64E+00	6.77E-01	2.27E+02
4127	482363.09	3855377.25	19.395	29.1289	36.651	10.99544	1.48E+00	3.11E+02	4.05E+00	6.29E-01	3.17E+02	1.44E+00	1.31E-03	4.05E-01	1.23E-01	1.97E+00	1.61E+00	3.11E+02	4.05E+00	6.29E-01	3.17E+02
4128	482863.09	3855377.25	23.1142	41.733	24.846	17.89673	1.76E+00	4.45E+02	2.75E+00	1.02E+00	4.51E+02	1.71E+00	1.88E-03	2.75E-01	2.00E-01	2.19E+00	1.92E+00	4.45E+02	2.75E+00	1.02E+00	4.51E+02
4129	483363.09	3855377.25	28.5438	22.3817	12.734	18.01374	2.18E+00	2.39E+02	1.41E+00	1.03E+00	2.43E+02	2.11E+00	1.01E-03	1.41E-01	2.02E-01	2.46E+00	2.37E+00	2.39E+02	1.41E+00	1.03E+00	2.44E+02
4130	483863.09	3855377.25	39.4702	17.2294	17.824	23.03657	3.01E+00	1.84E+02	1.97E+00	1.32E+00	1.90E+02	2.92E+00	7.77E-04	1.97E-01	2.58E-01	3.38E+00	3.28E+00	1.84E+02	1.97E+00	1.32E+00	1.90E+02
4131	484363.09	3855377.25	70.1232	9.05319	27.552	14.42326	5.34E+00	9.66E+01	3.05E+00	8.25E-01	1.06E+02	5.19E+00	4.08E-04	3.05E-01	1.61E-01	5.66E+00	5.82E+00	9.66E+01	3.05E+00	8.25E-01	1.06E+02
4132	484863.09	3855377.25	217.366	7.11405	33.722	22.30746	1.66E+01	7.59E+01	3.73E+00	1.28E+00	9.75E+01	1.61E+01	3.21E-04	3.73E-01	2.50E-01	1.67E+01	1.80E+01	7.59E+01	3.73E+00	1.28E+00	9.90E+01
4133	485363.09	3855377.25	69.409	3.98824	28.38	27.6922	5.29E+00	4.26E+01	3.14E+00	1.58E+00	5.26E+01	5.14E+00	1.80E-04	3.14E-01	3.10E-01	5.76E+00	5.76E+00	4.26E+01	3.14E+00	1.58E+00	5.30E+01
4134	485863.09	3855377.25	32.0399	3.58188	57.974	24.75964	2.44E+00	3.82E+01	6.41E+00	1.42E+00	4.85E+01	2.37E+00	1.61E-04	6.41E-01	2.77E-01	3.29E+00	2.66E+00	3.82E+01	6.41E+00	1.42E+00	4.87E+01
4135	486363.09	3855377.25	15.5234	3.23411	79.682	15.30631	1.18E+00	3.45E+01	8.81E+00	8.75E-01	4.54E+01	1.15E+00	1.46E-04	8.81E-01	1.71E-01	2.20E+00	1.29E+00	3.45E+01	8.81E+00	8.75E-01	4.55E+01
4136	486863.09	3855377.25	11.9954	3.21694	54.27	14.31468	9.14E-01	3.43E+01	6.00E+00	8.19E-01	4.21E+01	8.88E-01	1.45E-04	6.00E-01	1.60E-01	1.65E+00	9.96E-01	3.43E+01	6.00E+00	8.19E-01	4.21E+01
4137	487363.09	3855377.25	12.108	2.4706	105.1	15.49288	9.23E-01	2.64E+01	1.16E+01	8.86E-01	3.98E+01	8.96E-01	1.11E-04	1.16E+00	1.73E-01	2.23E+00	1.01E+00	2.64E+01	1.16E+01	8.86E-01	3.99E+01
4138	487863.09	3855377.25	12.5694	2.7827	41.096	14.35752	9.58E-01	2.97E+01	4.54E+00	8.21E-01	3.60E+01	9.31E-01	1.25E-04	4.54E-01	1.61E-01	1.55E+00	1.04E+00	2.97E+01	4.54E+00	8.21E-01	3.61E+01
4139	488363.09	3855377.25	12.4738	2.45101	29.298	11.43602	9.51E-01	2.62E+01	3.24E+00	6.54E-01	3.10E+01	9.23E-01	1.10E-04	3.24E-01	1.28E-01	1.38E+00	1.04E+00	2.62E+01	3.24E+00	6.54E-01	3.11E+01
4140	488863.09	3855377.25	12.0312	2.87979	55.455	10.98808	9.17E-01	3.07E+01	6.13E+00	6.28E-01	3.84E+01	8.91E-01	1.30E-04	6.13E-01	1.23E-01	1.63E+00	9.99E-01	3.07E+01	6.13E+00	6.28E-01	3.85E+01
4141	489363.09	3855377.25	11.9645	3.66543	108.06	10.30026	9.12E-01	3.91E+01	1.19E+01	5.89E-01	5.26E+01	8.86E-01	1.65E-04	1.19E+00	1.15E-01	2.20E+00	9.93E-01	3.91E+01	1.19E+01	5.89E-01	5.26E+01
4142	489863.09	3855377.25	11.908	3.52043	38.055	10.23639	9.08E-01	3.76E+01	4.21E+00	5.85E-01	4.33E+01	8.82E-01	1.59E-04	4.21E-01	1.15E-01	1.42E+00	9.89E-01	3.76E+01	4.21E+00	5.85E-01	4.34E+01
4143	490363.09	3855377.25	11.9216	2.54236	101.03	29.56762	9.09E-01	2.71E+01	1.12E+01	1.69E+00	4.09E+01	8.83E-01	1.15E-04	1.12E+00	3.31E-01	2.33E+00	9.90E-01	2.71E+01	1.12E+01	1.69E+00	4.10E+01
4144	490863.09	3855377.25	11.583	1.79831	146.59	6.16212	8.83E-01	1.92E+01	1.62E+01	3.52E-01	3.66E+01	8.58E-01	8.11E-05	1.62E+00	6.90E-02	2.55E+00	9.62E-01	1.92E+01	1.62E+01	3.52E-01	3.67E+01

4145	491363.09	3855377.25	5.78006	2.55213	50.008	5.30133	4.41E-01	2.72E+01	5.53E+00	3.03E-01	3.35E+01	4.28E-01	1.15E-04	5.53E-01	5.93E-02	1.04E+00	4.80E-01	2.72E+01	5.53E+00	3.03E-01	3.35E+01
4146	491863.09	3855377.25	11.7724	2.2125	72.867	7.22889	8.97E-01	2.36E+01	8.06E+00	4.13E-01	3.30E+01	8.72E-01	9.97E-05	8.06E-01	8.09E-02	1.76E+00	9.77E-01	2.36E+01	8.06E+00	4.13E-01	3.31E+01
4147	492363.09	3855377.25	11.782	1.672	114.72	8.31174	8.98E-01	1.78E+01	1.27E+01	4.75E-01	3.19E+01	8.72E-01	7.54E-05	1.27E+00	9.30E-02	2.23E+00	9.78E-01	1.78E+01	1.27E+01	4.75E-01	3.20E+01
4148	492863.09	3855377.25	11.7272	1.57539	130.09	11.73042	8.94E-01	1.68E+01	1.44E+01	6.71E-01	3.28E+01	8.68E-01	7.10E-05	1.44E+00	1.31E-01	2.44E+00	9.74E-01	1.68E+01	1.44E+01	6.71E-01	3.28E+01
4149	493363.09	3855377.25	11.627	1.84328	105.48	6.21838	8.86E-01	1.97E+01	1.17E+01	3.56E-01	3.26E+01	8.61E-01	8.31E-05	1.17E+00	6.96E-02	2.10E+00	9.65E-01	1.97E+01	1.17E+01	3.56E-01	3.27E+01
4150	493863.09	3855377.25	5.76338	1.46135	73.605	5.07175	4.39E-01	1.56E+01	8.14E+00	2.90E-01	2.45E+01	4.27E-01	6.59E-05	8.14E-01	5.68E-02	1.30E+00	4.78E-01	1.56E+01	8.14E+00	2.90E-01	2.45E+01
4151	494363.09	3855377.25	5.76109	1.50245	25.151	3.32717	4.39E-01	1.60E+01	2.78E+00	1.90E-01	1.94E+01	4.27E-01	6.77E-05	2.78E-01	3.72E-02	7.42E-01	4.78E-01	1.60E+01	2.78E+00	1.90E-01	1.95E+01
4152	494863.09	3855377.25	5.75983	1.53083	19.704	3.32623	4.39E-01	1.63E+01	2.18E+00	1.90E-01	1.91E+01	4.26E-01	6.90E-05	2.18E-01	3.72E-02	6.82E-01	4.78E-01	1.63E+01	2.18E+00	1.90E-01	1.92E+01
4153	495363.09	3855377.25	5.7597	1.56638	17.131	3.30068	4.39E-01	1.67E+01	1.89E+00	1.89E-01	1.92E+01	4.26E-01	7.06E-05	1.89E-01	3.69E-02	6.53E-01	4.78E-01	1.67E+01	1.89E+00	1.89E-01	1.93E+01
4154	495863.09	3855377.25	5.75777	1.60225	16.103	3.24123	4.39E-01	1.71E+01	1.78E+00	1.85E-01	1.95E+01	4.26E-01	7.22E-05	1.78E-01	3.63E-02	6.41E-01	4.78E-01	1.71E+01	1.78E+00	1.85E-01	1.95E+01
4155	496363.09	3855377.25	5.75735	1.63801	14.68	3.13289	4.39E-01	1.75E+01	1.62E+00	1.79E-01	1.97E+01	4.26E-01	7.38E-05	1.62E-01	3.51E-02	6.24E-01	4.78E-01	1.75E+01	1.62E+00	1.79E-01	1.98E+01
4156	496863.09	3855377.25	5.75569	1.67351	14.564	2.83755	4.39E-01	1.79E+01	1.61E+00	1.62E-01	2.01E+01	4.26E-01	7.54E-05	1.61E-01	3.18E-02	6.19E-01	4.78E-01	1.79E+01	1.61E+00	1.62E-01	2.01E+01
4157	497363.09	3855377.25	5.7527	1.70853	14.225	3.03797	4.38E-01	1.82E+01	1.57E+00	1.74E-01	2.04E+01	4.26E-01	7.70E-05	1.57E-01	3.40E-02	6.17E-01	4.78E-01	1.82E+01	1.57E+00	1.74E-01	2.05E+01
4158	497863.09	3855377.25	5.74712	1.7427	14.26	2.97453	4.38E-01	1.86E+01	1.58E+00	1.70E-01	2.08E+01	4.25E-01	7.86E-05	1.58E-01	3.33E-02	6.17E-01	4.77E-01	1.86E+01	1.58E+00	1.70E-01	2.08E+01
4159	498363.09	3855377.25	5.74314	1.7758	14.508	2.91261	4.38E-01	1.90E+01	1.60E+00	1.67E-01	2.12E+01	4.25E-01	8.01E-05	1.60E-01	3.26E-02	6.18E-01	4.77E-01	1.90E+01	1.60E+00	1.67E-01	2.12E+01
4160	471363.09	3855877.25	3.89661	2.41202	33.981	3.84966	2.97E-01	2.57E+01	3.76E+00	2.20E-01	3.00E+01	2.88E-01	1.09E-04	3.76E-01	4.31E-02	7.07E-01	3.24E-01	2.57E+01	3.76E+00	2.20E-01	3.00E+01
4161	471863.09	3855877.25	3.95562	2.39759	36.411	3.96786	3.02E-01	2.56E+01	4.03E+00	2.27E-01	3.01E+01	2.93E-01	1.08E-04	4.03E-01	4.44E-02	7.40E-01	3.28E-01	2.56E+01	4.03E+00	2.27E-01	3.02E+01
4162	472363.09	3855877.25	4.3143	2.39493	43.731	4.84039	3.29E-01	2.56E+01	4.83E+00	2.77E-01	3.10E+01	3.19E-01	1.08E-04	4.83E-01	5.42E-02	8.57E-01	3.58E-01	2.56E+01	4.83E+00	2.77E-01	3.10E+01
4163	472863.09	3855877.25	4.226	2.61294	43.047	4.58381	3.22E-01	2.79E+01	4.76E+00	2.62E-01	3.32E+01	3.13E-01	1.18E-04	4.76E-01	5.13E-02	8.40E-01	3.51E-01	2.79E+01	4.76E+00	2.62E-01	3.33E+01
4164	473363.09	3855877.25	4.71205	2.84235	50.474	5.74585	3.59E-01	3.03E+01	5.58E+00	3.29E-01	3.66E+01	3.49E-01	1.28E-04	5.58E-01	6.43E-02	9.71E-01	3.91E-01	3.03E+01	5.58E+00	3.29E-01	3.66E+01
4165	473863.09	3855877.25	4.98924	3.05121	52.876	6.33318	3.80E-01	3.26E+01	5.85E+00	3.62E-01	3.92E+01	3.69E-01	1.38E-04	5.85E-01	7.09E-02	1.03E+00	4.14E-01	3.26E+01	5.85E+00	3.62E-01	3.92E+01
4166	474363.09	3855877.25	5.15983	3.19555	91.541	9.5337	3.93E-01	3.41E+01	1.01E+01	5.45E-01	4.52E+01	3.82E-01	1.44E-04	1.01E+00	1.07E-01	1.50E+00	4.28E-01	3.41E+01	1.01E+01	5.45E-01	4.52E+01
4167	474863.09	3855877.25	3.84135	3.23505	45.686	4.4888	2.93E-01	3.45E+01	5.05E+00	2.57E-01	4.01E+01	2.84E-01	1.46E-04	5.05E-01	5.02E-02	8.40E-01	3.19E-01	3.45E+01	5.05E+00	2.57E-01	4.02E+01
4168	475363.09	3855877.25	2.80774	3.14773	13.371	3.5938	2.14E-01	3.36E+01	1.48E+00	2.06E-01	3.55E+01	2.08E-01	1.42E-04	1.48E-01	4.02E-02	3.96E-01	2.33E-01	3.36E+01	1.48E+00	2.06E-01	3.55E+01
4169	475863.09	3855877.25	2.16774	2.93278	12.336	3.72653	1.65E-01	3.13E+01	1.36E+00	2.13E-01	3.30E+01	1.60E-01	1.32E-04	1.36E-01	4.17E-02	3.39E-01	1.80E-01	3.13E+01	1.36E+00	2.13E-01	3.31E+01
4170	476363.09	3855877.25	2.22568	2.61101	14.093	3.8041	1.70E-01	2.79E+01	1.56E+00	2.18E-01	2.98E+01	1.65E-01	1.18E-04	1.56E-01	4.26E-02	3.63E-01	1.85E-01	2.79E+01	1.56E+00	2.18E-01	2.98E+01
4171	476863.09	3855877.25	2.29415	2.23461	15.584	3.80967	1.75E-01	2.38E+01	1.72E+00	2.18E-01	2.60E+01	1.70E-01	1.01E-04	1.72E-01	4.26E-02	3.85E-01	1.90E-01	2.38E+01	1.72E+00	2.18E-01	2.60E+01
4172	477363.09	3855877.25	2.94649	2.14804	17.332	3.85202	2.25E-01	2.29E+01	1.92E+00	2.20E-01	2.53E+01	2.18E-01	9.68E-05	1.92E-01	4.31E-02	4.53E-01	2.45E-01	2.29E+01	1.92E+00	2.20E-01	2.53E+01
4173	477863.09	3855877.25	2.98067	2.31272	19.095	3.89059	2.27E-01	2.47E+01	2.11E+00	2.22E-01	2.72E+01	2.21E-01	1.04E-04	2.11E-01	4.36E-02	4.75E-01	2.47E-01	2.47E+01	2.11E+00	2.22E-01	2.73E+01
4174	478363.09	3855877.25	3.01507	2.47458	20.596	4.82188	2.30E-01	2.64E+01	2.28E+00	2.76E-01	2.92E+01	2.23E-01	1.12E-04	2.28E-01	5.40E-02	5.05E-01	2.50E-01	2.64E+01	2.28E+00	2.76E-01	2.92E+01
4175	478863.09	3855877.25	3.04291	2.5921	21.889	4.98183	2.32E-01	2.77E+01	2.42E+00	2.85E-01	3.06E+01	2.25E-01	1.17E-04	2.42E-01	5.58E-02	5.23E-01	2.53E-01	2.77E+01	2.42E+00	2.85E-01	3.06E+01
4176	479363.09	3855877.25	4.78324	3.08377	36.923	5.11659	3.65E-01	3.29E+01	4.08E+00	2.93E-01	3.76E+01	3.54E-01	1.39E-04	4.08E-01	5.73E-02	8.20E-01	3.97E-01	3.29E+01	4.08E+00	2.93E-01	3.77E+01
4177	479863.09	3855877.25	6.77326	3.39389	58.883	10.57306	5.16E-01	3.62E+01	6.51E+00	6.05E-01	4.38E+01	5.01E-01	1.53E-04	6.51E-01	1.18E-01	1.27E+00	5.62E-01	3.62E+01	6.51E+00	6.05E-01	4.39E+01
4178	480363.09	3855877.25	9.51236	4.5802	61.692	20.03856	7.25E-01	4.89E+01	6.82E+00	1.15E+00	5.76E+01	7.04E-01	2.06E-04	6.82E-01	2.24E-01	1.61E+00	7.90E-01	4.89E+01	6.82E+00	1.15E+00	5.76E+01
4179	480863.09	3855877.25	12.3669	4.38942	34.162	21.07017	9.43E-01	4.68E+01	3.78E+00	1.20E+00	5.28E+01	9.16E-01	1.98E-04	3.78E-01	2.36E-01	1.53E+00	1.03E+00	4.68E+01	3.78E+00	1.20E+00	5.29E+01
4180	481363.09	3855877.25	13.1605	4.69732	21.085	22.65609	1.00E+00	5.01E+01	2.33E+00	1.30E+00	5.48E+01	9.74E-01	2.12E-04	2.33E-01	2.54E-01	1.46E+00	1.09E+00	5.01E+01	2.33E+00	1.30E+00	5.48E+01
4181	481863.09	3855877.25	15.7986	12.7819	24.834	7.50934	1.20E+00	1.36E+02	2.75E+00	4.29E-01	1.41E+02	1.17E+00	5.76E-04	2.75E-01	8.41E-02	1.53E+00	1.31E+00	1.36E+02	2.75E+00	4.29E-01	1.41E+02
4182	482363.09	3855877.25	16.4673	23.8978	31.499	7.61034	1.26E+00	2.55E+02	3.48E+00	4.35E-01	2.60E+02	1.22E+00	1.08E-03	3.48E-01	8.52E-02	1.65E+00	1.37E+00	2.55E+02	3.48E+00	4.35E-01	2.60E+02
4183	482863.09	3855877.25	18.2871	33.5602	31.373	12.90887	1.39E+00	3.58E+02	3.47E+00	7.38E-01	3.64E+02	1.35E+00	1.51E-03	3.47E-01	1.45E-01	1.85E+00	1.52E+00	3.58E+02	3.47E+00	7.38E-01	3.64E+02
4184	483363.09	3855877.25	20.3955	42.1815	35.03	15.49919	1.55E+00	4.50E+02	3.87E+00	8.86E-01	4.56E+02	1.51E+00	1.90E-03	3.87E-01	1.74E-01	2.07E+00	1.69E+00	4.50E+02	3.87E+00	8.86E-01	4.57E+02
4185	483863.09	3855877.25	24.2705	27.0959	21.818	23.08472	1.85E+00	2.89E+02	2.41E+00	1.32E+00	2.95E+02	1.80E+00	1.22E-03	2.41E-01	2.58E-01	2.30E+00	2.01E+00	2.89E+02	2.41E+00	1.32E+00	2.95E+02
4186	484363.09	3855877.25	34.9376	18.7584	15.248	31.24873	2.66E+00	2.00E+02	1.69E+00	1.79E+00	2.06E+02	2.59E+00	8.46E-04	1.69E-01	3.50E-01	3.11E+00	2.90E+00	2.00E+02	1.69E+00	1.79E+00	2.07E+02
4187	484863.09	3855877.25	58.6894	11.3124	27.184	24.69538	4.47E+00	1.21E+02	3.01E+00	1.41E+00	1.30E+02	4.34E+00	5.10E-04	3.01E-01	2.76E-01	4.92E+00	4.87E+00	1.21E+02	3.01E+00	1.41E+00	1.30E+02
4188	485363.09	3855877.25	189.427	8.42792	38.102	25.39486	1.44E+01	8.99E+01	4.21E+00	1.45E+00	1.10E+02	1.40E+01	3.80E-04	4.21E-01	2.84E-01	1.47E+01	1.57E+01	8.99E+01	4.21E+00	1.45E+00	1.11E+02
4189	485863.09	3855877.25	86.7494	4.93708	34.181	23.09159	6.61E+00	5.27E+01	3.78E+00	1.32E+00	6.44E+01	6.42E+00	2.23E-04	3.78E-01	2.58E-01	7.06E+00	7.20E+00	5.27E+01	3.78E+00	1.32E+00	6.50E+01
4190	486363.09	3855877.25	34.779	4.95381	55.138	20.90176	2.65E+00	5.29E+01	6.10E+00	1.20E+00	6.28E+01	2.57E+00	2.23E-04	6.10E-01	2.34E-01	3.42E+00	2.89E+00	5.29E+01	6.10E+00	1.20E+00	6.30E+01
4191	486863.09	3855877.25	24.1556	3.70305	111.76	16.90359	1.84E+00	3.95E+01	1.24E+01	9.67E-01	5.47E+01	1.79E+00	1.67E-04	1.24E+00	1.89E-01	3.21E+00	2.01E+00	3.95E+01	1.24E+01	9.67E-01	5.48E+01
4192	487363.09	3855877.25	21.0168	4.53693	85.843	13.70113	1.60E+00	4.84E+01	9.49E+00	7.83E-01	6.03E+01	1.56E+00	2.05E-04	9.49E-01	1.53E-01	2.66E+00	1.74E+00	4.84E+01	9.49E+00	7.83E-01	6.04E+01
4193	487863.09	3855877.25	19.5576	5.84134	38.818	10.82524	1.49E+00	6.23E+01	4.29E+00	6.19E-01	6.87E+01	1.45E+00	2.63E-04	4.29E-01	1.21E-01	2.00E+00	1.62E+00	6.23E+01	4.29E+00	6.19E-01	6.89E+01
4194	488363.09	3855877.25	17.6522	3.2652	32.675	8.83785	1.35E+00	3.48E+01	3.61E+00	5.05E-01	4.03E+01	1.31E+00	1.47E-04	3.61E-01	9.89E-02	1.77E+00	1.47E+00	3.48E+01	3.61E+00	5.05E-01	4.04E+01
4195	488863.09	3855877.25	15.7486	3.63263	64.159	7.38682	1.20E+00	3.88E+01	7.09E+00	4.22E-01	4.75E+01	1.17E+00	1.64E-04	7.09E-01	8.27E-02	1.96E+00	1.31E+00	3.88E+01	7.09E+00	4.22E-01	4.76E+01
4196	489363.09	3855877.25	14.0557	3.71725	62.104	6.60524	1.07E+00	3.97E+01	6.87E+00	3.78E-01	4.80E+01	1.04E+00	1.68E-04	6.87E-01	7.39E-02	1.80E+00	1.17E+00	3.97E+01	6.87E+00	3.78E-01	4.81E+01
4197	489863.09	3855877.25	12.7403	3.58498	50.604	7.41829	9.71E-01	3.83E+01	5.59E+00	4.24E-01	4.52E+01	9.43E-01	1.62E-04	5.59E-01	8.30E-02	1.59E+00	1.06E+00	3.83E+01	5.59E+00	4.24E-01	4.53E+01
4198	490363.09	3855877.25	12.2874	3.68738	51.882	13.10676	9.37E-01	3.94E+01	5.74E+00	7.49E-01	4.68E+01	9.10E-01	1.66E-04	5.74E-01	1.47E-01	1.63E+00	1.02E+00	3.94E+01	5.74E+00	7.49E-01	4.69E+01
4199	490863.09	3855877.25	12.1819	4.89777	53.279	6.84654	9.29E-01	5.23E+01	5.89E+00	3.92E-01	5.95E+01	9.02E-01	2.21E-04	5.89E-01	7.66E-02	1.57E+00	1.01E+00	5.23E+01	5.89E+00	3.92E-01	5.96E+01
4200	491363.09	3855877.25	11.9835	2.45266	137.89	7.16078	9.13E-01	2.62E+01	1.52E+01	4.09E-01	4.27E+01	8.87E-01	1.11E-04	1.52E+00	8.02E-02	2.49E+00	9.95E-01	2.62E+01	1.52E+01	4.09E-01	4.28E+01
4201	491863.09	3855877.25	12.1131	3.95613	88.125	9.17062	9.23E-01	4.22E+01	9.74E+00	5.24E-01	5.34E+01	8.97E-01	1.78E-04	9.74E-01	1.03E-01	1.97E+00	1.01E+00	4.22E+01	9.74E+00	5.24E-01	5.35E+01
4202	492363.09	3855877.25	12.0275	2.01868	102.79	13.29059	9.17E-01	2.15E+01	1.14E+01	7.60E-01	3.46E+01	8.90E-01	9.10E-05	1.14E+00	1.49E-01	2.18E+00	9.99E-01	2.15E+01	1.14E+01	7.60E-01	3.47E+01
4203	492863.09	3855877.25	11.9582	2.06035	124.21	9.26045	9.11E-01	2.20E+01	1.37E+01	5.30E-01	3.72E+01	8.85E-01	9.29E-05	1.37E+00	1.04E-01	2.36E+00	9.93E-01	2.20E+01	1.37E+01	5.30E-01	3.72E+01
4204	493363.09	3855877.25	11.7419	2.09922	65.838	4.18363	8.95E-01	2.24E+01	7.28E+00	2.39E-01	3.08E+01	8.69E-01	9.46E-05	7.28E-01	4.68E-02	1.64E+00	9.75E-01	2.24E+01	7.28E+00	2.39E-01	3.09E+01
4205	493863.09	3855877.25	5.85588	2.13534	26.321	3.62009	4.46E-01	2.28E+01	2.91E+00	2.07E-01	2.64E+01	4.34E-01	9.63E-05	2.91E-01	4.05E-02	7.65E-01	4.86E-01	2.28E+01	2.91E+00	2.07E-01	2.64E+01

4206	494363.09	3855877.25	5.84719	2.16835	17.318	3.60309	4.46E-01	2.31E+01	1.91E+00	2.06E-01	2.57E+01	4.33E-01	9.77E-05	1.91E-01	4.03E-02	6.65E-01	4.85E-01	2.31E+01	1.91E+00	2.06E-01	2.57E+01
4207	494863.09	3855877.25	5.83602	2.19811	17.141	3.56577	4.45E-01	2.35E+01	1.90E+00	2.04E-01	2.60E+01	4.32E-01	9.91E-05	1.90E-01	3.99E-02	6.62E-01	4.85E-01	2.35E+01	1.90E+00	2.04E-01	2.60E+01
4208	495363.09	3855877.25	5.81924	2.22446	13.405	2.48447	4.44E-01	2.37E+01	1.48E+00	1.42E-01	2.58E+01	4.31E-01	1.00E-04	1.48E-01	2.78E-02	6.07E-01	4.83E-01	2.37E+01	1.48E+00	1.42E-01	2.58E+01
4209	495863.09	3855877.25	5.79427	2.24734	13.029	2.42098	4.42E-01	2.40E+01	1.44E+00	1.38E-01	2.60E+01	4.29E-01	1.01E-04	1.44E-01	2.71E-02	6.00E-01	4.81E-01	2.40E+01	1.44E+00	1.38E-01	2.60E+01
4210	496363.09	3855877.25	5.76238	2.26667	13.576	2.37243	4.39E-01	2.42E+01	1.50E+00	1.36E-01	2.63E+01	4.27E-01	1.02E-04	1.50E-01	2.66E-02	6.03E-01	4.78E-01	2.42E+01	1.50E+00	1.36E-01	2.63E+01
4211	496863.09	3855877.25	5.72197	2.28238	14.92	2.80707	4.36E-01	2.44E+01	1.65E+00	1.61E-01	2.66E+01	4.24E-01	1.03E-04	1.65E-01	3.14E-02	6.20E-01	4.75E-01	2.44E+01	1.65E+00	1.61E-01	2.66E+01
4212	497363.09	3855877.25	5.67401	2.2944	14.064	3.17125	4.32E-01	2.45E+01	1.55E+00	1.81E-01	2.67E+01	4.20E-01	1.03E-04	1.55E-01	3.55E-02	6.11E-01	4.71E-01	2.45E+01	1.55E+00	1.81E-01	2.67E+01
4213	497863.09	3855877.25	5.61749	2.30306	15.818	3.10483	4.28E-01	2.46E+01	1.75E+00	1.78E-01	2.69E+01	4.16E-01	1.04E-04	1.75E-01	3.48E-02	6.26E-01	4.66E-01	2.46E+01	1.75E+00	1.78E-01	2.70E+01
4214	498363.09	3855877.25	5.54906	2.30841	14.704	3.03752	4.23E-01	2.46E+01	1.63E+00	1.74E-01	2.69E+01	4.11E-01	1.04E-04	1.63E-01	3.40E-02	6.07E-01	4.61E-01	2.46E+01	1.63E+00	1.74E-01	2.69E+01
4215	471363.09	3856377.25	3.71616	2.2239	19.746	3.08943	2.83E-01	2.37E+01	2.18E+00	1.77E-01	2.64E+01	2.75E-01	1.00E-04	2.18E-01	3.46E-02	5.28E-01	3.09E-01	2.37E+01	2.18E+00	1.77E-01	2.64E+01
4216	471863.09	3856377.25	3.75859	2.31968	22.357	3.13576	2.86E-01	2.48E+01	2.47E+00	1.79E-01	2.77E+01	2.78E-01	1.05E-04	2.47E-01	3.51E-02	5.61E-01	3.12E-01	2.48E+01	2.47E+00	1.79E-01	2.77E+01
4217	472363.09	3856377.25	3.9716	2.40022	27.275	3.18858	3.03E-01	2.56E+01	3.02E+00	1.82E-01	2.91E+01	2.94E-01	1.08E-04	3.02E-01	3.57E-02	6.31E-01	3.30E-01	2.56E+01	3.02E+00	1.82E-01	2.91E+01
4218	472863.09	3856377.25	4.25578	2.46169	33.359	3.62587	3.24E-01	2.63E+01	3.69E+00	2.07E-01	3.05E+01	3.15E-01	1.11E-04	3.69E-01	4.06E-02	7.25E-01	3.53E-01	2.63E+01	3.69E+00	2.07E-01	3.05E+01
4219	473363.09	3856377.25	4.45925	2.49989	38.805	4.01861	3.40E-01	2.67E+01	4.29E+00	2.30E-01	3.15E+01	3.30E-01	1.13E-04	4.29E-01	4.50E-02	8.04E-01	3.70E-01	2.67E+01	4.29E+00	2.30E-01	3.16E+01
4220	473863.09	3856377.25	4.90659	3.12564	45.417	4.83733	3.74E-01	3.34E+01	5.02E+00	2.77E-01	3.90E+01	3.63E-01	1.41E-04	5.02E-01	5.42E-02	9.20E-01	4.07E-01	3.34E+01	5.02E+00	2.77E-01	3.91E+01
4221	474363.09	3856377.25	4.63699	2.49066	48.186	4.405	3.53E-01	2.66E+01	5.33E+00	2.52E-01	3.25E+01	3.43E-01	1.12E-04	5.33E-01	4.93E-02	9.25E-01	3.85E-01	2.66E+01	5.33E+00	2.52E-01	3.25E+01
4222	474863.09	3856377.25	4.06404	2.60219	77.057	5.27515	3.10E-01	2.78E+01	8.52E+00	3.02E-01	3.69E+01	3.01E-01	1.17E-04	8.52E-01	5.91E-02	1.21E+00	3.37E-01	2.78E+01	8.52E+00	3.02E-01	3.69E+01
4223	475363.09	3856377.25	2.63527	2.86149	34.987	3.62341	2.01E-01	3.05E+01	3.87E+00	2.07E-01	3.48E+01	1.95E-01	1.29E-04	3.87E-01	4.06E-02	6.23E-01	2.19E-01	3.05E+01	3.87E+00	2.07E-01	3.48E+01
4224	475863.09	3856377.25	2.61159	3.10557	10.628	3.72418	1.99E-01	3.31E+01	1.18E+00	2.13E-01	3.47E+01	1.93E-01	1.40E-04	1.18E-01	4.17E-02	3.53E-01	2.17E-01	3.31E+01	1.18E+00	2.13E-01	3.47E+01
4225	476363.09	3856377.25	2.61097	3.27578	11.67	3.79655	1.99E-01	3.50E+01	1.29E+00	2.17E-01	3.67E+01	1.93E-01	1.48E-04	1.29E-01	4.25E-02	3.65E-01	2.17E-01	3.50E+01	1.29E+00	2.17E-01	3.67E+01
4226	476863.09	3856377.25	2.61419	3.32588	12.841	3.80366	1.99E-01	3.55E+01	1.42E+00	2.18E-01	3.73E+01	1.94E-01	1.50E-04	1.42E-01	4.26E-02	3.78E-01	2.17E-01	3.55E+01	1.42E+00	2.18E-01	3.73E+01
4227	477363.09	3856377.25	2.61776	3.23562	14.076	3.74282	2.00E-01	3.45E+01	1.56E+00	2.14E-01	3.65E+01	1.94E-01	1.46E-04	1.56E-01	4.19E-02	3.91E-01	2.17E-01	3.45E+01	1.56E+00	2.14E-01	3.65E+01
4228	477863.09	3856377.25	2.60769	3.00452	15.312	3.69863	1.99E-01	3.21E+01	1.69E+00	2.12E-01	3.42E+01	1.93E-01	1.35E-04	1.69E-01	4.14E-02	4.04E-01	2.16E-01	3.21E+01	1.69E+00	2.12E-01	3.42E+01
4229	478363.09	3856377.25	2.07857	2.64675	14.162	3.72359	1.58E-01	2.82E+01	1.57E+00	2.13E-01	3.02E+01	1.54E-01	1.19E-04	1.57E-01	4.17E-02	3.52E-01	1.73E-01	2.82E+01	1.57E+00	2.13E-01	3.02E+01
4230	478863.09	3856377.25	2.63719	2.20318	17.826	4.69083	2.01E-01	2.35E+01	1.97E+00	2.68E-01	2.60E+01	1.95E-01	9.93E-05	1.97E-01	5.25E-02	4.45E-01	2.19E-01	2.35E+01	1.97E+00	2.68E-01	2.60E+01
4231	479363.09	3856377.25	2.71333	1.8878	21.393	4.99075	2.07E-01	2.01E+01	2.37E+00	2.85E-01	2.30E+01	2.01E-01	8.51E-05	2.37E-01	5.59E-02	4.93E-01	2.25E-01	2.01E+01	2.37E+00	2.85E-01	2.30E+01
4232	479863.09	3856377.25	4.94609	2.13145	58.954	9.20594	3.77E-01	2.27E+01	6.52E+00	5.26E-01	3.02E+01	3.66E-01	9.61E-05	6.52E-01	1.03E-01	1.12E+00	4.11E-01	2.27E+01	6.52E+00	5.26E-01	3.02E+01
4233	480363.09	3856377.25	8.17916	3.07308	65.772	13.93778	6.23E-01	3.28E+01	7.27E+00	7.97E-01	4.15E+01	6.06E-01	1.39E-04	7.27E-01	1.56E-01	1.49E+00	6.79E-01	3.28E+01	7.27E+00	7.97E-01	4.15E+01
4234	480863.09	3856377.25	11.3031	5.40277	50.831	9.35426	8.62E-01	5.77E+01	5.62E+00	5.35E-01	6.47E+01	8.37E-01	2.44E-04	5.62E-01	1.05E-01	1.50E+00	9.38E-01	5.77E+01	5.62E+00	5.35E-01	6.48E+01
4235	481363.09	3856377.25	13.6766	6.63142	31.835	6.68183	1.04E+00	7.08E+01	3.52E+00	3.82E-01	7.57E+01	1.01E+00	2.99E-04	3.52E-01	7.48E-02	1.44E+00	1.14E+00	7.08E+01	3.52E+00	3.82E-01	7.58E+01
4236	481863.09	3856377.25	14.8505	9.672	27.23	7.07487	1.13E+00	1.03E+02	3.01E+00	4.05E-01	1.08E+02	1.10E+00	4.36E-04	3.01E-01	7.92E-02	1.48E+00	1.23E+00	1.03E+02	3.01E+00	4.05E-01	1.08E+02
4237	482363.09	3856377.25	14.4586	17.1181	27.923	8.14824	1.10E+00	1.83E+02	3.09E+00	4.66E-01	1.87E+02	1.07E+00	7.72E-04	3.09E-01	9.12E-02	1.47E+00	1.20E+00	1.83E+02	3.09E+00	4.66E-01	1.87E+02
4238	482863.09	3856377.25	15.4592	24.7823	26.523	6.71399	1.18E+00	2.64E+02	2.93E+00	3.84E-01	2.69E+02	1.14E+00	1.12E-03	2.93E-01	7.52E-02	1.51E+00	1.28E+00	2.64E+02	2.93E+00	3.84E-01	2.69E+02
4239	483363.09	3856377.25	16.6769	40.9456	29.224	6.85411	1.27E+00	4.37E+02	3.23E+00	3.92E-01	4.42E+02	1.23E+00	1.85E-03	3.23E-01	7.67E-02	1.64E+00	1.38E+00	4.37E+02	3.23E+00	3.92E-01	4.42E+02
4240	483863.09	3856377.25	19.0204	38.5487	30.056	28.89226	1.45E+00	4.11E+02	3.32E+00	1.65E+00	4.18E+02	1.41E+00	1.74E-03	3.32E-01	3.23E-01	2.07E+00	1.58E+00	4.11E+02	3.32E+00	1.65E+00	4.18E+02
4241	484363.09	3856377.25	22.0757	37.6638	28.187	27.34309	1.68E+00	4.02E+02	3.12E+00	1.56E+00	4.08E+02	1.63E+00	1.70E-03	3.12E-01	3.06E-01	2.25E+00	1.83E+00	4.02E+02	3.12E+00	1.56E+00	4.08E+02
4242	484863.09	3856377.25	27.065	22.033	17.141	31.92698	2.06E+00	2.35E+02	1.90E+00	1.83E+00	2.41E+02	2.00E+00	9.93E-04	1.90E-01	3.57E-01	2.55E+00	2.25E+00	2.35E+02	1.90E+00	1.83E+00	2.41E+02
4243	485363.09	3856377.25	44.4722	14.5197	24.768	27.74421	3.39E+00	1.55E+02	2.74E+00	1.59E+00	1.63E+02	3.29E+00	6.55E-04	2.74E-01	3.11E-01	3.88E+00	3.69E+00	1.55E+02	2.74E+00	1.59E+00	1.63E+02
4244	485863.09	3856377.25	195.245	8.65895	42.301	24.24396	1.49E+01	9.24E+01	4.68E+00	1.39E+00	1.13E+02	1.45E+01	3.90E-04	4.68E-01	2.71E-01	1.52E+01	1.62E+01	9.24E+01	4.68E+00	1.39E+00	1.15E+02
4245	486363.09	3856377.25	106.896	5.04738	42.297	22.87583	8.15E+00	5.39E+01	4.68E+00	1.31E+00	6.80E+01	7.91E+00	2.28E-04	4.68E-01	2.56E-01	8.64E+00	8.87E+00	5.39E+01	4.68E+00	1.31E+00	6.87E+01
4246	486863.09	3856377.25	44.8824	4.94123	27.215	17.15948	3.42E+00	5.27E+01	3.01E+00	9.81E-01	6.01E+01	3.32E+00	2.23E-04	3.01E-01	1.92E-01	3.82E+00	3.73E+00	5.27E+01	3.01E+00	9.81E-01	6.04E+01
4247	487363.09	3856377.25	31.3099	5.02866	58.74	12.52547	2.39E+00	5.37E+01	6.49E+00	7.16E-01	6.33E+01	2.32E+00	2.27E-04	6.49E-01	1.40E-01	3.11E+00	2.60E+00	5.37E+01	6.49E+00	7.16E-01	6.35E+01
4248	487863.09	3856377.25	25.7006	6.07701	45.837	8.57964	1.96E+00	6.49E+01	5.07E+00	4.91E-01	7.24E+01	1.90E+00	2.74E-04	5.07E-01	9.60E-02	2.51E+00	2.13E+00	6.49E+01	5.07E+00	4.91E-01	7.25E+01
4249	488363.09	3856377.25	21.9418	5.18234	46.188	6.36693	1.67E+00	5.53E+01	5.11E+00	3.64E-01	6.24E+01	1.62E+00	2.34E-04	5.11E-01	7.13E-02	2.21E+00	1.82E+00	5.53E+01	5.11E+00	3.64E-01	6.26E+01
4250	488863.09	3856377.25	19.2936	5.24239	52.517	5.94304	1.47E+00	5.59E+01	5.81E+00	3.40E-01	6.36E+01	1.43E+00	2.36E-04	5.81E-01	6.65E-02	2.08E+00	1.60E+00	5.59E+01	5.81E+00	3.40E-01	6.37E+01
4251	489363.09	3856377.25	17.3071	5.28981	38.387	6.08019	1.32E+00	5.65E+01	4.24E+00	3.48E-01	6.24E+01	1.28E+00	2.38E-04	4.24E-01	6.81E-02	1.77E+00	1.44E+00	5.65E+01	4.24E+00	3.48E-01	6.25E+01
4252	489863.09	3856377.25	15.7401	5.32577	45.578	8.7982	1.20E+00	5.68E+01	5.04E+00	5.03E-01	6.36E+01	1.17E+00	2.40E-04	5.04E-01	9.85E-02	1.77E+00	1.31E+00	5.68E+01	5.04E+00	5.03E-01	6.37E+01
4253	490363.09	3856377.25	14.4099	5.34069	34.495	8.00622	1.10E+00	5.70E+01	3.81E+00	4.58E-01	6.24E+01	1.07E+00	2.41E-04	3.81E-01	8.96E-02	1.54E+00	1.20E+00	5.70E+01	3.81E+00	4.58E-01	6.25E+01
4254	490863.09	3856377.25	13.2558	5.39065	52.298	4.73977	1.01E+00	5.75E+01	5.78E+00	2.71E-01	6.46E+01	9.81E-01	2.43E-04	5.78E-01	5.31E-02	1.61E+00	1.10E+00	5.75E+01	5.78E+00	2.71E-01	6.47E+01
4255	491363.09	3856377.25	12.2562	5.33647	47.632	8.52373	9.34E-01	5.69E+01	5.27E+00	4.87E-01	6.36E+01	9.07E-01	2.41E-04	5.27E-01	9.54E-02	1.53E+00	1.02E+00	5.69E+01	5.27E+00	4.87E-01	6.37E+01
4256	491863.09	3856377.25	11.9459	5.31407	65.546	12.16527	9.11E-01	5.67E+01	7.25E+00	6.96E-01	6.56E+01	8.84E-01	2.40E-04	7.25E-01	1.36E-01	1.75E+00	9.92E-01	5.67E+01	7.25E+00	6.96E-01	6.56E+01
4257	492363.09	3856377.25	11.682	2.6385	79.994	9.54633	8.90E-01	2.82E+01	8.84E+00	5.46E-01	3.84E+01	8.65E-01	1.19E-04	8.84E-01	1.07E-01	1.86E+00	9.70E-01	2.82E+01	8.84E+00	5.46E-01	3.85E+01
4258	492863.09	3856377.25	11.3199	2.62431	78.443	6.19048	8.63E-01	2.80E+01	8.67E+00	3.54E-01	3.79E+01	8.38E-01	1.18E-04	8.67E-01	6.93E-02	1.77E+00	9.40E-01	2.80E+01	8.67E+00	3.54E-01	3.80E+01
4259	493363.09	3856377.25	5.49634	2.60497	24.439	3.43037	4.19E-01	2.78E+01	2.70E+00	1.96E-01	3.11E+01	4.07E-01	1.17E-04	2.70E-01	3.84E-02	7.16E-01	4.56E-01	2.78E+01	2.70E+00	1.96E-01	3.12E+01
4260	493863.09	3856377.25	5.36839	2.58203	20.932	3.41435	4.09E-01	2.76E+01	2.31E+00	1.95E-01	3.05E+01	3.97E-01	1.16E-04	2.31E-01	3.82E-02	6.67E-01	4.46E-01	2.76E+01	2.31E+00	1.95E-01	3.05E+01
4261	494363.09	3856377.25	5.22059	2.55542	20.499	3.42194	3.98E-01	2.73E+01	2.27E+00	1.96E-01	3.01E+01	3.86E-01	1.15E-04	2.27E-01	3.83E-02	6.52E-01	4.33E-01	2.73E+01	2.27E+00	1.96E-01	3.02E+01
4262	494863.09	3856377.25	5.06515	2.52515	18.922	3.40365	3.86E-01	2.69E+01	2.09E+00	1.95E-01	2.96E+01	3.75E-01	1.14E-04	2.09E-01	3.81E-02	6.22E-01	4.21E-01	2.69E+01	2.09E+00	1.95E-01	2.97E+01
4263	495363.09	3856377.25	4.89798	2.4922	15.196	2.32106	3.73E-01	2.66E+01	1.68E+00	1.33E-01	2.88E+01	3.63E-01	1.12E-04	1.68E-01	2.60E-02	5.57E-01	4.07E-01	2.66E+01	1.68E+00	1.33E-01	2.88E+01
4264	495863.09	3856377.25	4.7278	2.45713	14.213	2.26661	3.60E-01	2.62E+01	1.57E+00	1.30E-01	2.83E+01	3.50E-01	1.11E-04	1.57E-01	2.54E-02	5.33E-01	3.93E-01	2.62E+01	1.57E+00	1.30E-01	2.83E+01
4265	496363.09	3856377.25	4.55516	2.42022	13.393	2.29716	3.47E-01	2.58E+01	1.48E+00	1.31E-01	2.78E+01	3.37E-01	1.09E-04	1.48E-01	2.57E-02	5.11E-01	3.78E-01	2.58E+01	1.48E+00	1.31E-01	2.78E+01
4266	496863.09	3856377.25	4.38365	2.38205	16.902	3.17696	3.34E-01	2.54E+01	1.87E+00	1.82E-01	2.78E+01	3.25E-01	1.07E-04	1.87E-01	3.56E-02	5.47E-01	3.64E-01	2.54E+01	1.87E+00	1.82E-01	2.78E+01

4267	497363.09	3856377.25	4.21199	2.34281	16.25	3.13158	3.21E-01	2.50E+01	1.80E+00	1.79E-01	2.73E+01	3.12E-01	1.06E-04	1.80E-01	3.51E-02	5.27E-01	3.50E-01	2.50E+01	1.80E+00	1.79E-01	2.73E+01
4268	497863.09	3856377.25	4.04541	2.3031	15.352	3.08752	3.08E-01	2.46E+01	1.70E+00	1.77E-01	2.68E+01	2.99E-01	1.04E-04	1.70E-01	3.46E-02	5.04E-01	3.36E-01	2.46E+01	1.70E+00	1.77E-01	2.68E+01
4269	498363.09	3856377.25	3.87951	2.26333	14.307	3.04552	2.96E-01	2.42E+01	1.58E+00	1.74E-01	2.62E+01	2.87E-01	1.02E-04	1.58E-01	3.41E-02	4.80E-01	3.22E-01	2.42E+01	1.58E+00	1.74E-01	2.62E+01
4270	471363.09	3856877.25	3.72302	1.85274	18.754	4.13018	2.84E-01	1.98E+01	2.07E+00	2.36E-01	2.24E+01	2.76E-01	8.35E-05	2.07E-01	4.62E-02	5.29E-01	3.09E-01	1.98E+01	2.07E+00	2.36E-01	2.24E+01
4271	471863.09	3856877.25	3.85531	1.7532	17.532	3.79918	2.94E-01	1.87E+01	1.94E+00	2.17E-01	2.12E+01	2.85E-01	7.90E-05	1.94E-01	4.25E-02	5.22E-01	3.20E-01	1.87E+01	1.94E+00	2.17E-01	2.12E+01
4272	472363.09	3856877.25	4.12343	1.89042	17.4	4.109	3.14E-01	2.02E+01	1.92E+00	2.35E-01	2.26E+01	3.05E-01	8.52E-05	1.92E-01	4.60E-02	5.44E-01	3.42E-01	2.02E+01	1.92E+00	2.35E-01	2.27E+01
4273	472863.09	3856877.25	4.36332	2.02414	16.995	4.34429	3.33E-01	2.16E+01	1.88E+00	2.48E-01	2.41E+01	3.23E-01	9.12E-05	1.88E-01	4.86E-02	5.60E-01	3.62E-01	2.16E+01	1.88E+00	2.48E-01	2.41E+01
4274	473363.09	3856877.25	4.81336	2.15261	17.001	5.33107	3.67E-01	2.30E+01	1.88E+00	3.05E-01	2.55E+01	3.56E-01	9.70E-05	1.88E-01	5.97E-02	6.04E-01	4.00E-01	2.30E+01	1.88E+00	3.05E-01	2.56E+01
4275	473863.09	3856877.25	5.01655	2.27421	16.419	5.34853	3.82E-01	2.43E+01	1.82E+00	3.06E-01	2.68E+01	3.71E-01	1.03E-04	1.82E-01	5.99E-02	6.13E-01	4.16E-01	2.43E+01	1.82E+00	3.06E-01	2.68E+01
4276	474363.09	3856877.25	4.74838	2.3864	18.182	4.40451	3.62E-01	2.55E+01	2.01E+00	2.52E-01	2.81E+01	3.52E-01	1.08E-04	2.01E-01	4.93E-02	6.02E-01	3.94E-01	2.55E+01	2.01E+00	2.52E-01	2.81E+01
4277	474863.09	3856877.25	4.18678	2.48526	31.228	5.46034	3.19E-01	2.65E+01	3.45E+00	3.12E-01	3.06E+01	3.10E-01	1.12E-04	3.45E-01	6.11E-02	7.16E-01	3.48E-01	2.65E+01	3.45E+00	3.12E-01	3.06E+01
4278	475363.09	3856877.25	3.08084	2.56511	19.42	3.10083	2.35E-01	2.74E+01	2.15E+00	1.77E-01	2.99E+01	2.28E-01	1.16E-04	2.15E-01	3.47E-02	4.78E-01	2.56E-01	2.74E+01	2.15E+00	1.77E-01	3.00E+01
4279	475863.09	3856877.25	2.83884	2.61962	19.903	3.32587	2.16E-01	2.80E+01	2.20E+00	1.90E-01	3.06E+01	2.10E-01	1.18E-04	2.20E-01	3.72E-02	4.68E-01	2.36E-01	2.80E+01	2.20E+00	1.90E-01	3.06E+01
4280	476363.09	3856877.25	2.61236	2.6408	17.026	3.55636	1.99E-01	2.82E+01	1.88E+00	2.03E-01	3.05E+01	1.93E-01	1.19E-04	1.88E-01	3.98E-02	4.22E-01	2.17E-01	2.82E+01	1.88E+00	2.03E-01	3.05E+01
4281	476863.09	3856877.25	2.61619	2.62106	17.027	3.75158	1.99E-01	2.80E+01	1.88E+00	2.15E-01	3.03E+01	1.94E-01	1.18E-04	1.88E-01	4.20E-02	4.24E-01	2.17E-01	2.80E+01	1.88E+00	2.15E-01	3.03E+01
4282	477363.09	3856877.25	2.61247	2.87847	16.935	3.93203	1.99E-01	3.07E+01	1.87E+00	2.25E-01	3.30E+01	1.93E-01	1.30E-04	1.87E-01	4.40E-02	4.25E-01	2.17E-01	3.07E+01	1.87E+00	2.25E-01	3.30E+01
4283	477863.09	3856877.25	1.97321	3.16477	11.038	4.15187	1.50E-01	3.38E+01	1.22E+00	2.37E-01	3.54E+01	1.46E-01	1.43E-04	1.22E-01	4.65E-02	3.15E-01	1.64E-01	3.38E+01	1.22E+00	2.37E-01	3.54E+01
4284	478363.09	3856877.25	1.9687	3.36011	11.211	4.26516	1.50E-01	3.59E+01	1.24E+00	2.44E-01	3.75E+01	1.46E-01	1.51E-04	1.24E-01	4.77E-02	3.18E-01	1.63E-01	3.59E+01	1.24E+00	2.44E-01	3.75E+01
4285	478863.09	3856877.25	2.31702	3.41672	12.434	4.17722	1.77E-01	3.65E+01	1.37E+00	2.39E-01	3.83E+01	1.72E-01	1.54E-04	1.37E-01	4.68E-02	3.56E-01	1.92E-01	3.65E+01	1.37E+00	2.39E-01	3.83E+01
4286	479363.09	3856877.25	2.60537	3.32461	14.109	3.97826	1.99E-01	3.55E+01	1.56E+00	2.27E-01	3.75E+01	1.93E-01	1.50E-04	1.56E-01	4.45E-02	3.94E-01	2.16E-01	3.55E+01	1.56E+00	2.27E-01	3.75E+01
4287	479863.09	3856877.25	5.42119	3.0858	125.82	22.38266	4.13E-01	3.29E+01	1.39E+01	1.28E+00	4.85E+01	4.01E-01	1.39E-04	1.39E+00	2.51E-01	2.04E+00	4.50E-01	3.29E+01	1.39E+01	1.28E+00	4.86E+01
4288	480363.09	3856877.25	8.05636	3.75895	154.92	39.5797	6.14E-01	4.01E+01	1.71E+01	2.26E+00	6.01E+01	5.96E-01	1.69E-04	1.71E+00	4.43E-01	2.75E+00	6.69E-01	4.01E+01	1.71E+01	2.26E+00	6.02E+01
4289	480863.09	3856877.25	11.4071	4.77302	45.741	11.91349	8.69E-01	5.09E+01	5.06E+00	6.81E-01	5.75E+01	8.45E-01	2.15E-04	5.06E-01	1.33E-01	1.48E+00	9.47E-01	5.09E+01	5.06E+00	6.81E-01	5.76E+01
4290	481363.09	3856877.25	12.8988	6.12684	22.333	5.94854	9.83E-01	6.54E+01	2.47E+00	3.40E-01	6.92E+01	9.55E-01	2.76E-04	2.47E-01	6.66E-02	1.27E+00	1.07E+00	6.54E+01	2.47E+00	3.40E-01	6.93E+01
4291	481863.09	3856877.25	13.7796	7.03876	24.316	6.54834	1.05E+00	7.51E+01	2.69E+00	3.74E-01	7.92E+01	1.02E+00	3.17E-04	2.69E-01	7.33E-02	1.36E+00	1.14E+00	7.51E+01	2.69E+00	3.74E-01	7.93E+01
4292	482363.09	3856877.25	13.5118	11.3221	26.626	5.82174	1.03E+00	1.21E+02	2.94E+00	3.33E-01	1.25E+02	1.00E+00	5.10E-04	2.94E-01	6.52E-02	1.36E+00	1.12E+00	1.21E+02	2.94E+00	3.33E-01	1.25E+02
4293	482863.09	3856877.25	13.9544	15.2119	29.26	6.68005	1.06E+00	1.62E+02	3.23E+00	3.82E-01	1.67E+02	1.03E+00	6.86E-04	3.23E-01	7.48E-02	1.43E+00	1.16E+00	1.62E+02	3.23E+00	3.82E-01	1.67E+02
4294	483363.09	3856877.25	14.8911	21.5793	31.246	26.15563	1.14E+00	2.30E+02	3.45E+00	1.50E+00	2.36E+02	1.10E+00	9.73E-04	3.45E-01	2.93E-01	1.74E+00	1.24E+00	2.30E+02	3.45E+00	1.50E+00	2.36E+02
4295	483863.09	3856877.25	16.1305	40.7868	32.224	20.20214	1.23E+00	4.35E+02	3.56E+00	1.16E+00	4.41E+02	1.19E+00	1.84E-03	3.56E-01	2.26E-01	1.78E+00	1.34E+00	4.35E+02	3.56E+00	1.16E+00	4.41E+02
4296	484363.09	3856877.25	17.8991	39.0116	33.496	27.65115	1.36E+00	4.16E+02	3.70E+00	1.58E+00	4.23E+02	1.33E+00	1.76E-03	3.70E-01	3.10E-01	2.01E+00	1.49E+00	4.16E+02	3.70E+00	1.58E+00	4.23E+02
4297	484863.09	3856877.25	20.2302	44.7584	32.554	28.75613	1.54E+00	4.78E+02	3.60E+00	1.64E+00	4.84E+02	1.50E+00	2.02E-03	3.60E-01	3.22E-01	2.18E+00	1.68E+00	4.78E+02	3.60E+00	1.64E+00	4.85E+02
4298	485363.09	3856877.25	24.9149	24.9103	29.213	24.70126	1.90E+00	2.66E+02	3.23E+00	1.41E+00	2.72E+02	1.84E+00	1.12E-03	3.23E-01	2.77E-01	2.45E+00	2.07E+00	2.66E+02	3.23E+00	1.41E+00	2.73E+02
4299	485863.09	3856877.25	52.5893	15.7191	21.363	26.0438	4.01E+00	1.68E+02	2.36E+00	1.49E+00	1.76E+02	3.89E+00	7.09E-04	2.36E-01	2.92E-01	4.42E+00	4.37E+00	1.68E+02	2.36E+00	1.49E+00	1.76E+02
4300	486363.09	3856877.25	164.463	5.98321	43.761	24.13519	1.25E+01	6.39E+01	4.84E+00	1.38E+00	8.26E+01	1.22E+01	2.70E-04	4.84E-01	2.70E-01	1.29E+01	1.37E+01	6.39E+01	4.84E+00	1.38E+00	8.37E+01
4301	486863.09	3856877.25	176.706	5.92868	54.215	16.67725	1.35E+01	6.33E+01	5.99E+00	9.54E-01	8.37E+01	1.31E+01	2.67E-04	5.99E-01	1.87E-01	1.39E+01	1.47E+01	6.33E+01	5.99E+00	9.54E-01	8.49E+01
4302	487363.09	3856877.25	56.4032	6.62142	44.225	13.49078	4.30E+00	7.07E+01	4.89E+00	7.71E-01	8.06E+01	4.18E+00	2.98E-04	4.89E-01	1.51E-01	4.82E+00	4.68E+00	7.07E+01	4.89E+00	7.71E-01	8.10E+01
4303	487863.09	3856877.25	34.1117	6.32441	68.902	9.7132	2.60E+00	6.75E+01	7.62E+00	5.55E-01	7.83E+01	2.53E+00	2.85E-04	7.62E-01	1.09E-01	3.40E+00	2.83E+00	6.75E+01	7.62E+00	5.55E-01	7.85E+01
4304	488363.09	3856877.25	26.3618	7.47526	68.359	6.2449	2.01E+00	7.98E+01	7.56E+00	3.57E-01	8.97E+01	1.95E+00	3.37E-04	7.56E-01	6.99E-02	2.78E+00	2.19E+00	7.98E+01	7.56E+00	3.57E-01	8.99E+01
4305	488863.09	3856877.25	22.0609	6.57369	61.384	6.48068	1.68E+00	7.02E+01	6.79E+00	3.71E-01	7.90E+01	1.63E+00	2.96E-04	6.79E-01	7.25E-02	2.38E+00	1.83E+00	7.02E+01	6.79E+00	3.71E-01	7.91E+01
4306	489363.09	3856877.25	19.3365	6.76358	54.093	6.21188	1.47E+00	7.22E+01	5.98E+00	3.55E-01	8.00E+01	1.43E+00	3.05E-04	5.98E-01	6.95E-02	2.10E+00	1.61E+00	7.22E+01	5.98E+00	3.55E-01	8.01E+01
4307	489863.09	3856877.25	17.4438	6.80633	48.281	7.252	1.33E+00	7.26E+01	5.34E+00	4.15E-01	7.97E+01	1.29E+00	3.07E-04	5.34E-01	8.12E-02	1.91E+00	1.45E+00	7.26E+01	5.34E+00	4.15E-01	7.98E+01
4308	490363.09	3856877.25	15.9448	5.71253	39.029	4.90443	1.22E+00	6.10E+01	4.32E+00	2.80E-01	6.68E+01	1.18E+00	2.58E-04	4.32E-01	5.49E-02	1.67E+00	1.32E+00	6.10E+01	4.32E+00	2.80E-01	6.69E+01
4309	490863.09	3856877.25	14.6483	4.81352	41.307	6.99061	1.12E+00	5.14E+01	4.57E+00	4.00E-01	5.75E+01	1.08E+00	2.17E-04	4.57E-01	7.83E-02	1.62E+00	1.22E+00	5.14E+01	4.57E+00	4.00E-01	5.76E+01
4310	491363.09	3856877.25	13.4627	4.65705	42.101	9.44546	1.03E+00	4.97E+01	4.65E+00	5.40E-01	5.59E+01	9.97E-01	2.10E-04	4.65E-01	1.06E-01	1.57E+00	1.12E+00	4.97E+01	4.65E+00	5.40E-01	5.60E+01
4311	491863.09	3856877.25	12.3563	4.49987	52.016	7.60659	9.42E-01	4.80E+01	5.75E+00	4.35E-01	5.51E+01	9.15E-01	2.03E-04	5.75E-01	8.52E-02	1.58E+00	1.03E+00	4.80E+01	5.75E+00	4.35E-01	5.52E+01
4312	492363.09	3856877.25	9.3714	2.16964	101.43	13.21624	7.14E-01	2.32E+01	1.12E+01	7.56E-01	3.58E+01	6.94E-01	9.78E-05	1.12E+00	1.48E-01	1.96E+00	7.78E-01	2.32E+01	1.12E+01	7.56E-01	3.59E+01
4313	492863.09	3856877.25	6.01769	2.10357	83.204	7.59448	4.59E-01	2.24E+01	9.20E+00	4.34E-01	3.25E+01	4.46E-01	9.48E-05	9.20E-01	8.50E-02	1.45E+00	5.00E-01	2.24E+01	9.20E+00	4.34E-01	3.26E+01
4314	493363.09	3856877.25	4.25356	2.04022	32.183	3.98175	3.24E-01	2.18E+01	3.56E+00	2.28E-01	2.59E+01	3.15E-01	9.20E-05	3.56E-01	4.46E-02	7.15E-01	3.53E-01	2.18E+01	3.56E+00	2.28E-01	2.59E+01
4315	493863.09	3856877.25	2.88509	1.98025	21.707	3.57321	2.20E-01	2.11E+01	2.40E+00	2.04E-01	2.40E+01	2.14E-01	8.93E-05	2.40E-01	4.00E-02	4.94E-01	2.40E-01	2.11E+01	2.40E+00	2.04E-01	2.40E+01
4316	494363.09	3856877.25	2.04728	1.92368	20.235	3.05632	1.56E-01	2.05E+01	2.24E+00	1.75E-01	2.31E+01	1.52E-01	8.67E-05	2.24E-01	3.42E-02	4.10E-01	1.70E-01	2.05E+01	2.24E+00	1.75E-01	2.31E+01
4317	494863.09	3856877.25	1.91008	1.87146	19.999	3.08178	1.46E-01	2.00E+01	2.21E+00	1.76E-01	2.25E+01	1.41E-01	8.44E-05	2.21E-01	3.45E-02	3.97E-01	1.59E-01	2.00E+01	2.21E+00	1.76E-01	2.25E+01
4318	495363.09	3856877.25	1.87206	1.82337	20.298	2.58237	1.43E-01	1.95E+01	2.24E+00	1.48E-01	2.20E+01	1.39E-01	8.22E-05	2.24E-01	2.89E-02	3.92E-01	1.55E-01	1.95E+01	2.24E+00	1.48E-01	2.20E+01
4319	495863.09	3856877.25	1.84264	1.7799	20.319	2.80788	1.40E-01	1.90E+01	2.25E+00	1.61E-01	2.15E+01	1.36E-01	8.02E-05	2.25E-01	3.14E-02	3.93E-01	1.53E-01	1.90E+01	2.25E+00	1.61E-01	2.16E+01
4320	496363.09	3856877.25	1.80805	1.74053	20.183	3.09304	1.38E-01	1.86E+01	2.23E+00	1.77E-01	2.11E+01	1.34E-01	7.85E-05	2.23E-01	3.46E-02	3.92E-01	1.50E-01	1.86E+01	2.23E+00	1.77E-01	2.11E+01
4321	496863.09	3856877.25	1.76868	1.70596	19.901	3.09558	1.35E-01	1.82E+01	2.20E+00	1.77E-01	2.07E+01	1.31E-01	7.69E-05	2.20E-01	3.47E-02	3.86E-01	1.47E-01	1.82E+01	2.20E+00	1.77E-01	2.07E+01
4322	497363.09	3856877.25	1.72559	1.67575	19.469	3.09223	1.32E-01	1.79E+01	2.15E+00	1.77E-01	2.03E+01	1.28E-01	7.55E-05	2.15E-01	3.46E-02	3.78E-01	1.43E-01	1.79E+01	2.15E+00	1.77E-01	2.04E+01
4323	497863.09	3856877.25	1.67894	1.64992	18.881	3.07832	1.28E-01	1.76E+01	2.09E+00	1.76E-01	2.00E+01	1.24E-01	7.44E-05	2.09E-01	3.45E-02	3.68E-01	1.39E-01	1.76E+01	2.09E+00	1.76E-01	2.00E+01
4324	498363.09	3856877.25	1.69873	1.62835	18.306	3.06533	1.29E-01	1.74E+01	2.02E+00	1.75E-01	1.97E+01	1.26E-01	7.34E-05	2.02E-01	3.43E-02	3.63E-01	1.41E-01	1.74E+01	2.02E+00	1.75E-01	1.97E+01
4325	471363.09	3857377.25	4.31335	1.9575	36.429	5.20919	3.29E-01	2.09E+01	4.03E+00	2.98E-01	2.55E+01	3.19E-01	8.82E-05	4.03E-01	5.83E-02	7.80E-01	3.58E-01	2.09E+01	4.03E+00	2.98E-01	2.56E+01
4326	471863.09	3857377.25	4.2875	1.96369	36.433	5.15377	3.27E-01	2.10E+01	4.03E+00	2.95E-01	2.56E+01	3.17E-01	8.85E-05	4.03E-01	5.77E-02	7.78E-01	3.56E-01	2.10E+01	4.03E+00	2.95E-01	2.56E+01
4327	472363.09	3857377.25	4.39241	2.06323	37.593	5.43028	3.35E-01	2.20E+01	4.16E+00	3.11E-01	2.68E+01	3.25E-01	9.30E-05	4.16E-01	6.08E-02	8.02E-01	3.65E-01	2.20E+01	4.16E+00	3.11E-01	2.68E+01

4328	472863.09	3857377.25	4.56208	2.20188	39.131	5.82961	3.48E-01	2.35E+01	4.33E+00	3.33E-01	2.85E+01	3.38E-01	9.93E-05	4.33E-01	6.53E-02	8.36E-01	3.79E-01	2.35E+01	4.33E+00	3.33E-01	2.85E+01
4329	473363.09	3857377.25	4.81183	2.40057	40.554	6.57794	3.67E-01	2.56E+01	4.48E+00	3.76E-01	3.08E+01	3.56E-01	1.08E-04	4.48E-01	7.36E-02	8.78E-01	3.99E-01	2.56E+01	4.48E+00	3.76E-01	3.09E+01
4330	473863.09	3857377.25	5.53338	2.64753	40.604	7.48624	4.22E-01	2.83E+01	4.49E+00	4.28E-01	3.36E+01	4.10E-01	1.19E-04	4.49E-01	8.38E-02	9.42E-01	4.59E-01	2.83E+01	4.49E+00	4.28E-01	3.36E+01
4331	474363.09	3857377.25	5.11634	2.13139	40.688	5.74069	3.90E-01	2.27E+01	4.50E+00	3.28E-01	2.80E+01	3.79E-01	9.61E-05	4.50E-01	6.43E-02	8.93E-01	4.25E-01	2.27E+01	4.50E+00	3.28E-01	2.80E+01
4332	474863.09	3857377.25	3.15887	1.89394	32.708	4.20428	2.41E-01	2.02E+01	3.62E+00	2.40E-01	2.43E+01	2.34E-01	8.54E-05	3.62E-01	4.71E-02	6.43E-01	2.62E-01	2.02E+01	3.62E+00	2.40E-01	2.43E+01
4333	475363.09	3857377.25	2.67928	2.03372	19.286	2.63122	2.04E-01	2.17E+01	2.13E+00	1.50E-01	2.42E+01	1.98E-01	9.17E-05	2.13E-01	2.95E-02	4.41E-01	2.22E-01	2.17E+01	2.13E+00	1.50E-01	2.42E+01
4334	475863.09	3857377.25	2.96093	2.17172	19.852	2.75603	2.26E-01	2.32E+01	2.19E+00	1.58E-01	2.58E+01	2.19E-01	9.79E-05	2.19E-01	3.09E-02	4.70E-01	2.46E-01	2.32E+01	2.19E+00	1.58E-01	2.58E+01
4335	476363.09	3857377.25	3.18539	2.30797	20.584	2.87685	2.43E-01	2.46E+01	2.28E+00	1.65E-01	2.73E+01	2.36E-01	1.04E-04	2.28E-01	3.22E-02	4.96E-01	2.64E-01	2.46E+01	2.28E+00	1.65E-01	2.73E+01
4336	476863.09	3857377.25	3.32308	2.44155	21.243	3.04879	2.53E-01	2.61E+01	2.35E+00	1.74E-01	2.88E+01	2.46E-01	1.10E-04	2.35E-01	3.41E-02	5.15E-01	2.76E-01	2.61E+01	2.35E+00	1.74E-01	2.89E+01
4337	477363.09	3857377.25	3.38699	2.56793	21.855	3.35248	2.58E-01	2.74E+01	2.42E+00	1.92E-01	3.03E+01	2.51E-01	1.16E-04	2.42E-01	3.75E-02	5.30E-01	2.81E-01	2.74E+01	2.42E+00	1.92E-01	3.03E+01
4338	477863.09	3857377.25	2.51216	2.67902	14.198	3.70303	1.91E-01	2.86E+01	1.57E+00	2.12E-01	3.06E+01	1.86E-01	1.21E-04	1.57E-01	4.15E-02	3.85E-01	2.09E-01	2.86E+01	1.57E+00	2.12E-01	3.06E+01
4339	478363.09	3857377.25	2.68624	2.76333	14.644	4.06902	2.05E-01	2.95E+01	1.62E+00	2.33E-01	3.15E+01	1.99E-01	1.25E-04	1.62E-01	4.55E-02	4.06E-01	2.23E-01	2.95E+01	1.62E+00	2.33E-01	3.16E+01
4340	478863.09	3857377.25	2.72339	2.80618	15.157	4.39182	2.08E-01	2.99E+01	1.68E+00	2.51E-01	3.21E+01	2.02E-01	1.26E-04	1.68E-01	4.92E-02	4.18E-01	2.26E-01	2.99E+01	1.68E+00	2.51E-01	3.21E+01
4341	479363.09	3857377.25	2.72518	2.89708	15.651	4.43232	2.08E-01	3.09E+01	1.73E+00	2.53E-01	3.31E+01	2.02E-01	1.31E-04	1.73E-01	4.96E-02	4.25E-01	2.26E-01	3.09E+01	1.73E+00	2.53E-01	3.31E+01
4342	479863.09	3857377.25	5.45915	3.23218	31.62	10.56948	4.16E-01	3.45E+01	3.50E+00	6.04E-01	3.90E+01	4.04E-01	1.46E-04	3.50E-01	1.18E-01	8.72E-01	4.53E-01	3.45E+01	3.50E+00	6.04E-01	3.90E+01
4343	480363.09	3857377.25	3.43458	3.44593	26.23	5.11399	2.62E-01	3.68E+01	2.90E+00	2.92E-01	4.02E+01	2.54E-01	1.55E-04	2.90E-01	5.72E-02	6.02E-01	2.85E-01	3.68E+01	2.90E+00	2.92E-01	4.03E+01
4344	480863.09	3857377.25	10.8538	4.77889	33.044	14.10333	8.27E-01	5.10E+01	3.65E+00	8.06E-01	5.63E+01	8.04E-01	2.15E-04	3.65E-01	1.58E-01	1.33E+00	9.01E-01	5.10E+01	3.65E+00	8.06E-01	5.64E+01
4345	481363.09	3857377.25	11.3159	4.65656	31.647	10.18335	8.63E-01	4.97E+01	3.50E+00	5.82E-01	5.46E+01	8.38E-01	2.10E-04	3.50E-01	1.14E-01	1.30E+00	9.39E-01	4.97E+01	3.50E+00	5.82E-01	5.47E+01
4346	481863.09	3857377.25	12.6207	6.40921	28.265	7.69757	9.62E-01	6.84E+01	3.12E+00	4.40E-01	7.29E+01	9.34E-01	2.89E-04	3.12E-01	8.62E-02	1.33E+00	1.05E+00	6.84E+01	3.12E+00	4.40E-01	7.30E+01
4347	482363.09	3857377.25	12.8264	8.66864	28.899	8.39326	9.78E-01	9.25E+01	3.20E+00	4.80E-01	9.72E+01	9.50E-01	3.91E-04	3.20E-01	9.40E-02	1.36E+00	1.06E+00	9.25E+01	3.20E+00	4.80E-01	9.72E+01
4348	482863.09	3857377.25	12.7631	11.2044	28.707	11.55098	9.73E-01	1.20E+02	3.17E+00	6.61E-01	1.24E+02	9.45E-01	5.05E-04	3.17E-01	1.29E-01	1.39E+00	1.06E+00	1.20E+02	3.17E+00	6.61E-01	1.24E+02
4349	483363.09	3857377.25	13.1819	12.5914	28.113	13.19679	1.00E+00	1.34E+02	3.11E+00	7.55E-01	1.39E+02	9.76E-01	5.68E-04	3.11E-01	1.48E-01	1.44E+00	1.09E+00	1.34E+02	3.11E+00	7.55E-01	1.39E+02
4350	483863.09	3857377.25	13.7631	17.7511	29.087	22.02845	1.05E+00	1.89E+02	3.22E+00	1.26E+00	1.95E+02	1.02E+00	8.00E-04	3.22E-01	2.47E-01	1.59E+00	1.14E+00	1.89E+02	3.22E+00	1.26E+00	1.95E+02
4351	484363.09	3857377.25	14.1305	42.5201	33.293	5.28813	1.08E+00	4.54E+02	3.68E+00	3.02E-01	4.59E+02	1.05E+00	1.92E-03	3.68E-01	5.92E-02	1.48E+00	1.17E+00	4.54E+02	3.68E+00	3.02E-01	4.59E+02
4352	484863.09	3857377.25	15.0428	37.9791	37.987	11.08189	1.15E+00	4.05E+02	4.20E+00	6.34E-01	4.11E+02	1.11E+00	1.71E-03	4.20E-01	1.24E-01	1.66E+00	1.25E+00	4.05E+02	4.20E+00	6.34E-01	4.11E+02
4353	485363.09	3857377.25	16.5442	38.4686	43.602	10.56106	1.26E+00	4.11E+02	4.82E+00	6.04E-01	4.17E+02	1.22E+00	1.73E-03	4.82E-01	1.18E-01	1.83E+00	1.37E+00	4.11E+02	4.82E+00	6.04E-01	4.17E+02
4354	485863.09	3857377.25	22.6242	31.2273	46.108	21.92583	1.72E+00	3.33E+02	5.10E+00	1.25E+00	3.41E+02	1.67E+00	1.41E-03	5.10E-01	2.45E-01	2.43E+00	1.88E+00	3.33E+02	5.10E+00	1.25E+00	3.41E+02
4355	486363.09	3857377.25	60.1751	14.9238	42.823	8.6046	4.59E+00	1.59E+02	4.73E+00	4.92E-01	1.69E+02	4.45E+00	6.73E-04	4.73E-01	9.63E-02	5.03E+00	5.00E+00	1.59E+02	4.73E+00	4.92E-01	1.69E+02
4356	486863.09	3857377.25	133.052	6.92726	35.156	11.87032	1.01E+01	7.39E+01	3.89E+00	6.79E-01	8.86E+01	9.85E+00	3.12E-04	3.89E-01	1.33E-01	1.04E+01	1.10E+01	7.39E+01	3.89E+00	6.79E-01	8.95E+01
4357	487363.09	3857377.25	105.177	8.24237	67.963	12.21432	8.02E+00	8.80E+01	7.51E+00	6.98E-01	1.04E+02	7.79E+00	3.72E-04	7.51E-01	1.37E-01	8.68E+00	8.73E+00	8.80E+01	7.51E+00	6.98E-01	1.05E+02
4358	487863.09	3857377.25	61.3728	8.59411	88.03	7.6693	4.68E+00	9.17E+01	9.73E+00	4.39E-01	1.07E+02	4.54E+00	3.87E-04	9.73E-01	8.59E-02	5.60E+00	5.10E+00	9.17E+01	9.73E+00	4.39E-01	1.07E+02
4359	488363.09	3857377.25	37.7545	9.9254	58.321	7.94242	2.88E+00	1.06E+02	6.45E+00	4.54E-01	1.16E+02	2.80E+00	4.47E-04	6.45E-01	8.89E-02	3.53E+00	3.13E+00	1.06E+02	6.45E+00	4.54E-01	1.16E+02
4360	488863.09	3857377.25	26.7639	9.50909	93.593	7.06259	2.04E+00	1.01E+02	1.03E+01	4.04E-01	1.14E+02	1.98E+00	4.29E-04	1.03E+00	7.91E-02	3.10E+00	2.22E+00	1.01E+02	1.03E+01	4.04E-01	1.14E+02
4361	489363.09	3857377.25	22.5426	9.64701	69.445	7.99303	1.72E+00	1.03E+02	7.68E+00	4.57E-01	1.13E+02	1.67E+00	4.35E-04	7.68E-01	8.95E-02	2.53E+00	1.87E+00	1.03E+02	7.68E+00	4.57E-01	1.13E+02
4362	489863.09	3857377.25	19.6269	7.33375	51.14	6.08785	1.50E+00	7.83E+01	5.65E+00	3.48E-01	8.58E+01	1.45E+00	3.31E-04	5.65E-01	6.81E-02	2.09E+00	1.63E+00	7.83E+01	5.65E+00	3.48E-01	8.59E+01
4363	490363.09	3857377.25	17.3593	5.75347	48.166	5.20536	1.32E+00	6.14E+01	5.33E+00	2.98E-01	6.83E+01	1.29E+00	2.59E-04	5.33E-01	5.83E-02	1.88E+00	1.44E+00	6.14E+01	5.33E+00	2.98E-01	6.85E+01
4364	490863.09	3857377.25	15.7117	4.48899	48.146	6.80554	1.20E+00	4.79E+01	5.32E+00	3.89E-01	5.48E+01	1.16E+00	2.02E-04	5.32E-01	7.62E-02	1.77E+00	1.30E+00	4.79E+01	5.32E+00	3.89E-01	5.49E+01
4365	491363.09	3857377.25	14.1568	4.07025	43.392	6.0324	1.08E+00	4.34E+01	4.80E+00	3.45E-01	4.97E+01	1.05E+00	1.83E-04	4.80E-01	6.75E-02	1.60E+00	1.18E+00	4.34E+01	4.80E+00	3.45E-01	4.98E+01
4366	491863.09	3857377.25	13.0381	3.30359	57.578	8.38197	9.94E-01	3.53E+01	6.37E+00	4.79E-01	4.31E+01	9.65E-01	1.49E-04	6.37E-01	9.38E-02	1.70E+00	1.08E+00	3.53E+01	6.37E+00	4.79E-01	4.32E+01
4367	492363.09	3857377.25	9.7082	2.37477	121.77	13.11718	7.40E-01	2.53E+01	1.35E+01	7.50E-01	4.03E+01	7.19E-01	1.07E-04	1.35E+00	1.47E-01	2.21E+00	8.06E-01	2.53E+01	1.35E+01	7.50E-01	4.04E+01
4368	492863.09	3857377.25	7.63895	1.63932	69.424	6.62035	5.82E-01	1.75E+01	7.68E+00	3.79E-01	2.61E+01	5.66E-01	7.39E-05	7.68E-01	7.41E-02	1.41E+00	6.34E-01	1.75E+01	7.68E+00	3.79E-01	2.62E+01
4369	493363.09	3857377.25	3.68927	1.36505	28.854	3.67401	2.81E-01	1.46E+01	3.19E+00	2.10E-01	1.82E+01	2.73E-01	6.15E-05	3.19E-01	4.11E-02	6.33E-01	3.06E-01	1.46E+01	3.19E+00	2.10E-01	1.83E+01
4370	493863.09	3857377.25	3.51755	1.3638	29.159	3.11304	2.68E-01	1.46E+01	3.22E+00	1.78E-01	1.82E+01	2.60E-01	6.15E-05	3.22E-01	3.48E-02	6.18E-01	2.92E-01	1.46E+01	3.22E+00	1.78E-01	1.82E+01
4371	494363.09	3857377.25	3.26155	1.38865	29.281	3.07628	2.49E-01	1.48E+01	3.24E+00	1.76E-01	1.85E+01	2.41E-01	6.26E-05	3.24E-01	3.44E-02	6.00E-01	2.71E-01	1.48E+01	3.24E+00	1.76E-01	1.85E+01
4372	494863.09	3857377.25	2.93159	1.37474	28.566	3.11551	2.23E-01	1.47E+01	3.16E+00	1.78E-01	1.82E+01	2.17E-01	6.20E-05	3.16E-01	3.49E-02	5.68E-01	2.43E-01	1.47E+01	3.16E+00	1.78E-01	1.83E+01
4373	495363.09	3857377.25	2.54804	1.32712	27.615	3.10092	1.94E-01	1.42E+01	3.05E+00	1.77E-01	1.76E+01	1.89E-01	5.98E-05	3.05E-01	3.47E-02	5.29E-01	2.12E-01	1.42E+01	3.05E+00	1.77E-01	1.76E+01
4374	495863.09	3857377.25	2.14222	1.28432	26.461	3.11065	1.63E-01	1.37E+01	2.93E+00	1.78E-01	1.70E+01	1.59E-01	5.79E-05	2.93E-01	3.48E-02	4.86E-01	1.78E-01	1.37E+01	2.93E+00	1.78E-01	1.70E+01
4375	496363.09	3857377.25	2.2343	1.31495	25.306	3.15751	1.70E-01	1.40E+01	2.80E+00	1.81E-01	1.72E+01	1.65E-01	5.93E-05	2.80E-01	3.53E-02	4.81E-01	1.85E-01	1.40E+01	2.80E+00	1.81E-01	1.72E+01
4376	496863.09	3857377.25	2.13839	1.34845	24.21	3.19801	1.63E-01	1.44E+01	2.68E+00	1.83E-01	1.74E+01	1.58E-01	6.08E-05	2.68E-01	3.58E-02	4.62E-01	1.78E-01	1.44E+01	2.68E+00	1.83E-01	1.74E+01
4377	497363.09	3857377.25	2.03618	1.38404	23.022	3.21917	1.55E-01	1.48E+01	2.55E+00	1.84E-01	1.77E+01	1.51E-01	6.24E-05	2.55E-01	3.60E-02	4.41E-01	1.69E-01	1.48E+01	2.55E+00	1.84E-01	1.77E+01
4378	497863.09	3857377.25	2.63601	1.42169	21.922	3.2338	2.01E-01	1.52E+01	2.42E+00	1.85E-01	1.80E+01	1.95E-01	6.41E-05	2.42E-01	3.62E-02	4.74E-01	2.19E-01	1.52E+01	2.42E+00	1.85E-01	1.80E+01
4379	498363.09	3857377.25	3.60916	1.46094	20.738	3.22478	2.75E-01	1.56E+01	2.29E+00	1.84E-01	1.83E+01	2.67E-01	6.59E-05	2.29E-01	3.61E-02	5.33E-01	3.00E-01	1.56E+01	2.29E+00	1.84E-01	1.84E+01
4380	471363.09	3857877.25	4.70369	1.83639	25.483	5.99358	3.59E-01	1.96E+01	2.82E+00	3.43E-01	2.31E+01	3.48E-01	8.28E-05	2.82E-01	6.71E-02	6.97E-01	3.91E-01	1.96E+01	2.82E+00	3.43E-01	2.31E+01
4381	471863.09	3857877.25	4.90138	1.77006	26.364	6.65639	3.74E-01	1.89E+01	2.91E+00	3.81E-01	2.26E+01	3.63E-01	7.98E-05	2.91E-01	7.45E-02	7.29E-01	4.07E-01	1.89E+01	2.91E+00	3.81E-01	2.26E+01
4382	472363.09	3857877.25	5.13522	1.77325	27.656	7.50966	3.91E-01	1.89E+01	3.06E+00	4.29E-01	2.28E+01	3.80E-01	7.99E-05	3.06E-01	8.41E-02	7.70E-01	4.26E-01	1.89E+01	3.06E+00	4.29E-01	2.28E+01
4383	472863.09	3857877.25	5.53787	1.90528	29.121	8.47843	4.22E-01	2.03E+01	3.22E+00	4.85E-01	2.45E+01	4.10E-01	8.59E-05	3.22E-01	9.49E-02	8.27E-01	4.60E-01	2.03E+01	3.22E+00	4.85E-01	2.45E+01
4384	473363.09	3857877.25	5.70059	1.88953	30.394	9.48598	4.35E-01	2.02E+01	3.36E+00	5.42E-01	2.45E+01	4.22E-01	8.52E-05	3.36E-01	1.06E-01	8.64E-01	4.73E-01	2.02E+01	3.36E+00	5.42E-01	2.45E+01
4385	473863.09	3857877.25	6.02186	1.9938	31.189	10.26437	4.59E-01	2.13E+01	3.45E+00	5.87E-01	2.58E+01	4.46E-01	8.99E-05	3.45E-01	1.15E-01	9.06E-01	5.00E-01	2.13E+01	3.45E+00	5.87E-01	2.58E+01
4386	474363.09	3857877.25	5.1055	1.62091	43.809	19.10423	3.89E-01	1.73E+01	4.84E+00	1.09E+00	2.36E+01	3.78E-01	7.31E-05	4.84E-01	2.14E-01	1.08E+00	4.24E-01	1.73E+01	4.84E+00	1.09E+00	2.37E+01
4387	474863.09	3857877.25	3.31388	1.2119	22.66	5.87522	2.53E-01	1.29E+01	2.51E+00	3.36E-01	1.60E+01	2.45E-01	5.46E-05	2.51E-01	6.58E-02	5.62E-01	2.75E-01	1.29E+01	2.51E+00	3.36E-01	1.60E+01
4388	475363.09	3857877.25	2.20627	1.30147	11.884	2.42576	1.68E-01	1.39E+01	1.31E+00	1.39E-01	1.55E+01	1.63E-01	5.87E-05	1.31E-01	2.72E-02	3.22E-01	1.83E-01	1.39E+01	1.31E+00	1.39E-01	1.55E+01

4389	475863.09	3857877.25	2.23079	1.45281	10.823	2.71608	1.70E-01	1.55E+01	1.20E+00	1.55E-01	1.70E+01	1.65E-01	6.55E-05	1.20E-01	3.04E-02	3.15E-01	1.85E-01	1.55E+01	1.20E+00	1.55E-01	1.70E+01
4390	476363.09	3857877.25	2.54651	1.60073	12.653	2.92202	1.94E-01	1.71E+01	1.40E+00	1.67E-01	1.88E+01	1.89E-01	7.22E-05	1.40E-01	3.27E-02	3.61E-01	2.11E-01	1.71E+01	1.40E+00	1.67E-01	1.89E+01
4391	476863.09	3857877.25	3.41735	1.74328	18.325	3.16785	2.60E-01	1.86E+01	2.03E+00	1.81E-01	2.11E+01	2.53E-01	7.86E-05	2.03E-01	3.55E-02	4.91E-01	2.84E-01	1.86E+01	2.03E+00	1.81E-01	2.11E+01
4392	477363.09	3857877.25	3.41414	1.88101	19.113	3.34867	2.60E-01	2.01E+01	2.11E+00	1.91E-01	2.26E+01	2.53E-01	8.48E-05	2.11E-01	3.75E-02	5.02E-01	2.83E-01	2.01E+01	2.11E+00	1.91E-01	2.27E+01
4393	477863.09	3857877.25	2.72295	2.01708	17.768	3.43197	2.08E-01	2.15E+01	1.96E+00	1.96E-01	2.39E+01	2.02E-01	9.09E-05	1.96E-01	3.84E-02	4.37E-01	2.26E-01	2.15E+01	1.96E+00	1.96E-01	2.39E+01
4394	478363.09	3857877.25	2.72092	2.15749	13.38	3.45424	2.07E-01	2.30E+01	1.48E+00	1.98E-01	2.49E+01	2.01E-01	9.73E-05	1.48E-01	3.87E-02	3.88E-01	2.26E-01	2.30E+01	1.48E+00	1.98E-01	2.49E+01
4395	478863.09	3857877.25	2.71836	2.30736	14.09	3.74077	2.07E-01	2.46E+01	1.56E+00	2.14E-01	2.66E+01	2.01E-01	1.04E-04	1.56E-01	4.19E-02	3.99E-01	2.26E-01	2.46E+01	1.56E+00	2.14E-01	2.66E+01
4396	479363.09	3857877.25	5.44713	2.46964	53.468	7.16238	4.15E-01	2.64E+01	5.91E+00	4.10E-01	3.31E+01	4.03E-01	1.11E-04	5.91E-01	8.02E-02	1.07E+00	4.52E-01	2.64E+01	5.91E+00	4.10E-01	3.31E+01
4397	479863.09	3857877.25	8.18403	5.28744	70.841	25.78301	6.24E-01	5.64E+01	7.83E+00	1.47E+00	6.64E+01	6.06E-01	2.38E-04	7.83E-01	2.89E-01	1.68E+00	6.79E-01	5.64E+01	7.83E+00	1.47E+00	6.64E+01
4398	480363.09	3857877.25	9.46159	5.64001	47.516	13.37069	7.21E-01	6.02E+01	5.25E+00	7.65E-01	6.69E+01	7.00E-01	2.54E-04	5.25E-01	1.50E-01	1.38E+00	7.86E-01	6.02E+01	5.25E+00	7.65E-01	6.70E+01
4399	480863.09	3857877.25	9.64797	5.90959	40.632	7.77083	7.35E-01	6.31E+01	4.49E+00	4.44E-01	6.87E+01	7.14E-01	2.66E-04	4.49E-01	8.70E-02	1.25E+00	8.01E-01	6.31E+01	4.49E+00	4.44E-01	6.88E+01
4400	481363.09	3857877.25	9.58436	6.06471	38.756	7.48555	7.31E-01	6.47E+01	4.28E+00	4.28E-01	7.02E+01	7.10E-01	2.73E-04	4.28E-01	8.38E-02	1.22E+00	7.96E-01	6.47E+01	4.28E+00	4.28E-01	7.02E+01
4401	481863.09	3857877.25	10.0884	6.6658	31.298	9.26193	7.69E-01	7.11E+01	3.46E+00	5.30E-01	7.59E+01	7.47E-01	3.00E-04	3.46E-01	1.04E-01	1.20E+00	8.38E-01	7.11E+01	3.46E+00	5.30E-01	7.60E+01
4402	482363.09	3857877.25	10.2852	7.2506	33.634	8.29114	7.84E-01	7.74E+01	3.72E+00	4.74E-01	8.24E+01	7.61E-01	3.27E-04	3.72E-01	9.28E-02	1.23E+00	8.54E-01	7.74E+01	3.72E+00	4.74E-01	8.24E+01
4403	482863.09	3857877.25	10.108	9.31305	35.835	10.86163	7.70E-01	9.94E+01	3.96E+00	6.21E-01	1.05E+02	7.48E-01	4.20E-04	3.96E-01	1.22E-01	1.27E+00	8.39E-01	9.94E+01	3.96E+00	6.21E-01	1.05E+02
4404	483363.09	3857877.25	10.554	10.2303	38.316	19.54155	8.04E-01	1.09E+02	4.24E+00	1.12E+00	1.15E+02	7.81E-01	4.61E-04	4.24E-01	2.19E-01	1.42E+00	8.76E-01	1.09E+02	4.24E+00	1.12E+00	1.15E+02
4405	483863.09	3857877.25	11.1765	11.4397	41.439	7.53501	8.52E-01	1.22E+02	4.58E+00	4.31E-01	1.28E+02	8.27E-01	5.16E-04	4.58E-01	8.43E-02	1.37E+00	9.28E-01	1.22E+02	4.58E+00	4.31E-01	1.28E+02
4406	484363.09	3857877.25	11.8562	19.545	45.023	13.28746	9.04E-01	2.09E+02	4.98E+00	7.60E-01	2.15E+02	8.78E-01	8.81E-04	4.98E-01	1.49E-01	1.53E+00	9.84E-01	2.09E+02	4.98E+00	7.60E-01	2.15E+02
4407	484863.09	3857877.25	12.3942	26.053	49.398	5.3051	9.45E-01	2.78E+02	5.46E+00	3.03E-01	2.85E+02	9.18E-01	1.17E-03	5.46E-01	5.94E-02	1.52E+00	1.03E+00	2.78E+02	5.46E+00	3.03E-01	2.85E+02
4408	485363.09	3857877.25	14.2488	22.4859	54.37	7.9275	1.09E+00	2.40E+02	6.01E+00	4.53E-01	2.48E+02	1.05E+00	1.01E-03	6.01E-01	8.87E-02	1.75E+00	1.18E+00	2.40E+02	6.01E+00	4.53E-01	2.48E+02
4409	485863.09	3857877.25	16.8983	29.8178	59.892	8.1377	1.29E+00	3.18E+02	6.62E+00	4.65E-01	3.27E+02	1.25E+00	1.34E-03	6.62E-01	9.11E-02	2.01E+00	1.40E+00	3.18E+02	6.62E+00	4.65E-01	3.27E+02
4410	486363.09	3857877.25	24.2503	42.27	64.075	12.16478	1.85E+00	4.51E+02	7.08E+00	6.96E-01	4.61E+02	1.80E+00	1.91E-03	7.08E-01	1.36E-01	2.64E+00	2.01E+00	4.51E+02	7.08E+00	6.96E-01	4.61E+02
4411	486863.09	3857877.25	55.6446	17.7757	60.729	8.88578	4.24E+00	1.90E+02	6.71E+00	5.08E-01	2.01E+02	4.12E+00	8.01E-04	6.71E-01	9.95E-02	4.89E+00	4.62E+00	1.90E+02	6.71E+00	5.08E-01	2.02E+02
4412	487363.09	3857877.25	60.6918	12.8542	149.04	9.90827	4.63E+00	1.37E+02	1.65E+01	5.67E-01	1.59E+02	4.49E+00	5.79E-04	1.65E+00	1.11E-01	6.25E+00	5.04E+00	1.37E+02	1.65E+01	5.67E-01	1.59E+02
4413	487863.09	3857877.25	65.3966	11.3626	135.71	7.79552	4.98E+00	1.21E+02	1.50E+01	4.46E-01	1.42E+02	4.84E+00	5.12E-04	1.50E+00	8.73E-02	6.43E+00	5.43E+00	1.21E+02	1.50E+01	4.46E-01	1.42E+02
4414	488363.09	3857877.25	47.3025	13.0634	153.17	9.06815	3.61E+00	1.39E+02	1.69E+01	5.19E-01	1.60E+02	3.50E+00	5.89E-04	1.69E+00	1.02E-01	5.30E+00	3.93E+00	1.39E+02	1.69E+01	5.19E-01	1.61E+02
4415	488863.09	3857877.25	38.3571	12.5396	123.94	10.35548	2.92E+00	1.34E+02	1.37E+01	5.92E-01	1.51E+02	2.84E+00	5.65E-04	1.37E+00	1.16E-01	4.33E+00	3.18E+00	1.34E+02	1.37E+01	5.92E-01	1.51E+02
4416	489363.09	3857877.25	28.7851	11.3037	71.111	9.34665	2.19E+00	1.21E+02	7.86E+00	5.34E-01	1.31E+02	2.13E+00	5.10E-04	7.86E-01	1.05E-01	3.02E+00	2.39E+00	1.21E+02	7.86E+00	5.34E-01	1.31E+02
4417	489863.09	3857877.25	23.0447	8.04702	69.186	4.87858	1.76E+00	8.59E+01	7.65E+00	2.79E-01	9.56E+01	1.71E+00	3.63E-04	7.65E-01	5.46E-02	2.53E+00	1.91E+00	8.59E+01	7.65E+00	2.79E-01	9.57E+01
4418	490363.09	3857877.25	20.0684	6.11811	66.495	5.45407	1.53E+00	6.53E+01	7.35E+00	3.12E-01	7.45E+01	1.49E+00	2.76E-04	7.35E-01	6.11E-02	2.28E+00	1.67E+00	6.53E+01	7.35E+00	3.12E-01	7.46E+01
4419	490863.09	3857877.25	17.8032	5.41705	59.508	4.56309	1.36E+00	5.78E+01	6.58E+00	2.61E-01	6.60E+01	1.32E+00	2.44E-04	6.58E-01	5.11E-02	2.03E+00	1.48E+00	5.78E+01	6.58E+00	2.61E-01	6.61E+01
4420	491363.09	3857877.25	16.0631	3.73442	52.796	8.45518	1.22E+00	3.99E+01	5.84E+00	4.83E-01	4.74E+01	1.19E+00	1.68E-04	5.84E-01	9.46E-02	1.87E+00	1.33E+00	3.99E+01	5.84E+00	4.83E-01	4.75E+01
4421	491863.09	3857877.25	14.1186	2.84958	65.898	15.44554	1.08E+00	3.04E+01	7.29E+00	8.83E-01	3.97E+01	1.05E+00	1.28E-04	7.29E-01	1.73E-01	1.95E+00	1.17E+00	3.04E+01	7.29E+00	8.83E-01	3.98E+01
4422	492363.09	3857877.25	7.96346	2.86204	67.995	7.95926	6.07E-01	3.05E+01	7.52E+00	4.55E-01	3.91E+01	5.90E-01	1.29E-04	7.52E-01	8.91E-02	1.43E+00	6.61E-01	3.05E+01	7.52E+00	4.55E-01	3.92E+01
4423	492863.09	3857877.25	7.39204	1.54361	32.703	3.87293	5.63E-01	1.65E+01	3.62E+00	2.21E-01	2.09E+01	5.47E-01	6.96E-05	3.62E-01	4.34E-02	9.52E-01	6.14E-01	1.65E+01	3.62E+00	2.21E-01	2.09E+01
4424	493363.09	3857877.25	4.0889	1.60394	32.029	3.42699	3.12E-01	1.71E+01	3.54E+00	1.96E-01	2.12E+01	3.03E-01	7.23E-05	3.54E-01	3.84E-02	6.95E-01	3.39E-01	1.71E+01	3.54E+00	1.96E-01	2.12E+01
4425	493863.09	3857877.25	3.79959	1.66443	30.715	3.39903	2.90E-01	1.78E+01	3.40E+00	1.94E-01	2.16E+01	2.81E-01	7.50E-05	3.40E-01	3.80E-02	6.59E-01	3.15E-01	1.78E+01	3.40E+00	1.94E-01	2.17E+01
4426	494363.09	3857877.25	3.80433	1.72519	29.297	3.31741	2.90E-01	1.84E+01	3.24E+00	1.90E-01	2.21E+01	2.82E-01	7.78E-05	3.24E-01	3.71E-02	6.43E-01	3.16E-01	1.84E+01	3.24E+00	1.90E-01	2.22E+01
4427	494863.09	3857877.25	3.77796	1.78676	28.339	3.31454	2.88E-01	1.91E+01	3.13E+00	1.90E-01	2.27E+01	2.80E-01	8.05E-05	3.13E-01	3.71E-02	6.30E-01	3.14E-01	1.91E+01	3.13E+00	1.90E-01	2.27E+01
4428	495363.09	3857877.25	3.70732	1.84923	26.946	3.41046	2.83E-01	1.97E+01	2.98E+00	1.95E-01	2.32E+01	2.74E-01	8.34E-05	2.98E-01	3.82E-02	6.11E-01	3.08E-01	1.97E+01	2.98E+00	1.95E-01	2.32E+01
4429	495863.09	3857877.25	3.58391	1.91268	25.607	3.48724	2.73E-01	2.04E+01	2.83E+00	1.99E-01	2.37E+01	2.65E-01	8.62E-05	2.83E-01	3.90E-02	5.88E-01	2.98E-01	2.04E+01	2.83E+00	1.99E-01	2.37E+01
4430	496363.09	3857877.25	3.39834	1.97687	24.147	3.52683	2.59E-01	2.11E+01	2.67E+00	2.02E-01	2.42E+01	2.52E-01	8.91E-05	2.67E-01	3.95E-02	5.58E-01	2.82E-01	2.11E+01	2.67E+00	2.02E-01	2.43E+01
4431	496863.09	3857877.25	3.14925	2.04184	22.911	3.56362	2.40E-01	2.18E+01	2.53E+00	2.04E-01	2.48E+01	2.33E-01	9.20E-05	2.53E-01	3.99E-02	5.26E-01	2.61E-01	2.18E+01	2.53E+00	2.04E-01	2.48E+01
4432	497363.09	3857877.25	2.84925	2.10637	21.812	3.59239	2.17E-01	2.25E+01	2.41E+00	2.05E-01	2.53E+01	2.11E-01	9.50E-05	2.41E-01	4.02E-02	4.92E-01	2.37E-01	2.25E+01	2.41E+00	2.05E-01	2.53E+01
4433	497863.09	3857877.25	2.72332	2.1707	20.543	3.5762	2.08E-01	2.32E+01	2.27E+00	2.04E-01	2.58E+01	2.02E-01	9.79E-05	2.27E-01	4.00E-02	4.69E-01	2.26E-01	2.32E+01	2.27E+00	2.04E-01	2.59E+01
4434	498363.09	3857877.25	4.32854	2.23374	19.468	3.56092	3.30E-01	2.38E+01	2.15E+00	2.04E-01	2.65E+01	3.20E-01	1.01E-04	2.15E-01	3.99E-02	5.76E-01	3.59E-01	2.38E+01	2.15E+00	2.04E-01	2.66E+01
4435	471363.09	3858377.25	5.30158	1.71913	13.183	9.5874	4.04E-01	1.83E+01	1.46E+00	5.48E-01	2.08E+01	3.92E-01	7.75E-05	1.46E-01	1.07E-01	6.46E-01	4.40E-01	1.83E+01	1.46E+00	5.48E-01	2.08E+01
4436	471863.09	3858377.25	5.31139	1.64906	13.53	10.30235	4.05E-01	1.76E+01	1.50E+00	5.89E-01	2.01E+01	3.93E-01	7.43E-05	1.50E-01	1.15E-01	6.58E-01	4.41E-01	1.76E+01	1.50E+00	5.89E-01	2.01E+01
4437	472363.09	3858377.25	5.32634	1.61671	13.893	10.8685	4.06E-01	1.73E+01	1.54E+00	6.21E-01	1.98E+01	3.94E-01	7.29E-05	1.54E-01	1.22E-01	6.70E-01	4.42E-01	1.73E+01	1.54E+00	6.21E-01	1.99E+01
4438	472863.09	3858377.25	5.53052	1.74933	14.282	11.1935	4.22E-01	1.87E+01	1.58E+00	6.40E-01	2.13E+01	4.09E-01	7.89E-05	1.58E-01	1.25E-01	6.93E-01	4.59E-01	1.87E+01	1.58E+00	6.40E-01	2.13E+01
4439	473363.09	3858377.25	6.04067	2.13701	14.707	10.02185	4.60E-01	2.28E+01	1.63E+00	5.73E-01	2.55E+01	4.47E-01	9.63E-05	1.63E-01	1.12E-01	7.22E-01	5.02E-01	2.28E+01	1.63E+00	5.73E-01	2.55E+01
4440	473863.09	3858377.25	5.8697	1.98067	15.111	11.05434	4.47E-01	2.11E+01	1.67E+00	6.32E-01	2.39E+01	4.35E-01	8.93E-05	1.67E-01	1.24E-01	7.25E-01	4.87E-01	2.11E+01	1.67E+00	6.32E-01	2.39E+01
4441	474363.09	3858377.25	4.76435	1.53502	15.51	9.49686	3.63E-01	1.64E+01	1.71E+00	5.43E-01	1.90E+01	3.53E-01	6.92E-05	1.71E-01	1.06E-01	6.31E-01	3.96E-01	1.64E+01	1.71E+00	5.43E-01	1.90E+01
4442	474863.09	3858377.25	3.55277	1.54173	15.931	5.4768	2.71E-01	1.65E+01	1.76E+00	3.13E-01	1.88E+01	2.63E-01	6.95E-05	1.76E-01	6.13E-02	5.01E-01	2.95E-01	1.65E+01	1.76E+00	3.13E-01	1.88E+01
4443	475363.09	3858377.25	3.4049	1.16905	16.358	2.95176	2.60E-01	1.25E+01	1.81E+00	1.69E-01	1.47E+01	2.52E-01	5.27E-05	1.81E-01	3.30E-02	4.66E-01	2.83E-01	1.25E+01	1.81E+00	1.69E-01	1.47E+01
4444	475863.09	3858377.25	2.71734	1.1779	16.747	2.5943	2.07E-01	1.26E+01	1.85E+00	1.48E-01	1.48E+01	2.01E-01	5.31E-05	1.85E-01	2.90E-02	4.15E-01	2.26E-01	1.26E+01	1.85E+00	1.48E-01	1.48E+01
4445	476363.09	3858377.25	2.72139	1.18995	17.302	2.76325	2.07E-01	1.27E+01	1.91E+00	1.58E-01	1.50E+01	2.01E-01	5.36E-05	1.91E-01	3.09E-02	4.24E-01	2.26E-01	1.27E+01	1.91E+00	1.58E-01	1.50E+01
4446	476863.09	3858377.25	2.71925	1.20102	17.871	2.90219	2.07E-01	1.28E+01	1.98E+00	1.66E-01	1.52E+01	2.01E-01	5.41E-05	1.98E-01	3.25E-02	4.31E-01	2.26E-01	1.28E+01	1.98E+00	1.66E-01	1.52E+01
4447	477363.09	3858377.25	2.71702	1.21122	18.422	3.011	2.07E-01	1.29E+01	2.04E+00	1.72E-01	1.53E+01	2.01E-01	5.46E-05	2.04E-01	3.37E-02	4.39E-01	2.26E-01	1.29E+01	2.04E+00	1.72E-01	1.54E+01
4448	477863.09	3858377.25	3.29851	1.30323	19.143	2.87809	2.51E-01	1.39E+01	2.12E+00	1.65E-01	1.64E+01	2.44E-01	5.87E-05	2.12E-01	3.22E-02	4.88E-01	2.74E-01	1.39E+01	2.12E+00	1.65E-01	1.65E+01
4449	478363.09	3858377.25	3.23286	1.4615	19.796	2.77039	2.46E-01	1.56E+01	2.19E+00	1.58E-01	1.82E+01	2.39E-01	6.59E-05	2.19E-01	3.10E-02	4.89E-01	2.68E-01	1.56E+01	2.19E+00	1.58E-01	1.82E+01

4450	478863.09	3858377.25	2.70897	1.60658	20.235	2.94531	2.06E-01	1.71E+01	2.24E+00	1.68E-01	1.98E+01	2.01E-01	7.24E-05	2.24E-01	3.30E-02	4.57E-01	2.25E-01	1.71E+01	2.24E+00	1.68E-01	1.98E+01
4451	479363.09	3858377.25	5.44132	1.73428	29.461	9.26322	4.15E-01	1.85E+01	3.26E+00	5.30E-01	2.27E+01	4.03E-01	7.82E-05	3.26E-01	1.04E-01	8.32E-01	4.52E-01	1.85E+01	3.26E+00	5.30E-01	2.27E+01
4452	479863.09	3858377.25	7.5826	3.71242	34.555	17.45018	5.78E-01	3.96E+01	3.82E+00	9.98E-01	4.50E+01	5.61E-01	1.67E-04	3.82E-01	1.95E-01	1.14E+00	6.30E-01	3.96E+01	3.82E+00	9.98E-01	4.51E+01
4453	480363.09	3858377.25	7.90232	4.4469	27.278	11.71657	6.02E-01	4.75E+01	3.02E+00	6.70E-01	5.17E+01	5.85E-01	2.00E-04	3.02E-01	1.31E-01	1.02E+00	6.56E-01	4.75E+01	3.02E+00	6.70E-01	5.18E+01
4454	480863.09	3858377.25	8.235	4.77781	28.644	7.26684	6.28E-01	5.10E+01	3.17E+00	4.16E-01	5.52E+01	6.10E-01	2.15E-04	3.17E-01	8.13E-02	1.01E+00	6.84E-01	5.10E+01	3.17E+00	4.16E-01	5.53E+01
4455	481363.09	3858377.25	8.65012	5.28695	29.921	6.25195	6.59E-01	5.64E+01	3.31E+00	3.58E-01	6.07E+01	6.40E-01	2.38E-04	3.31E-01	7.00E-02	1.04E+00	7.18E-01	5.64E+01	3.31E+00	3.58E-01	6.08E+01
4456	481863.09	3858377.25	9.06615	5.38837	33.574	7.84071	6.91E-01	5.75E+01	3.71E+00	4.48E-01	6.24E+01	6.71E-01	2.43E-04	3.71E-01	8.78E-02	1.13E+00	7.53E-01	5.75E+01	3.71E+00	4.48E-01	6.24E+01
4457	482363.09	3858377.25	9.62078	6.00306	34.5	8.99318	7.33E-01	6.41E+01	3.81E+00	5.14E-01	6.91E+01	7.12E-01	2.71E-04	3.81E-01	1.01E-01	1.19E+00	7.99E-01	6.41E+01	3.81E+00	5.14E-01	6.92E+01
4458	482863.09	3858377.25	10.0681	8.12712	31.915	14.88489	7.67E-01	8.67E+01	3.53E+00	8.51E-01	9.19E+01	7.45E-01	3.66E-04	3.53E-01	1.67E-01	1.27E+00	8.36E-01	8.67E+01	3.53E+00	8.51E-01	9.19E+01
4459	483363.09	3858377.25	9.87852	9.88255	31.276	6.54252	7.53E-01	1.05E+02	3.46E+00	3.74E-01	1.10E+02	7.31E-01	4.45E-04	3.46E-01	7.32E-02	1.15E+00	8.20E-01	1.05E+02	3.46E+00	3.74E-01	1.10E+02
4460	483863.09	3858377.25	9.53151	11.0379	27.475	5.77706	7.27E-01	1.18E+02	3.04E+00	3.30E-01	1.22E+02	7.06E-01	4.98E-04	3.04E-01	6.47E-02	1.07E+00	7.91E-01	1.18E+02	3.04E+00	3.30E-01	1.22E+02
4461	484363.09	3858377.25	10.1447	12.4163	27.957	8.78324	7.73E-01	1.33E+02	3.09E+00	5.02E-01	1.37E+02	7.51E-01	5.60E-04	3.09E-01	9.83E-02	1.16E+00	8.42E-01	1.33E+02	3.09E+00	5.02E-01	1.37E+02
4462	484863.09	3858377.25	10.9463	20.6627	33.056	5.87636	8.34E-01	2.21E+02	3.65E+00	3.36E-01	2.25E+02	8.10E-01	9.31E-04	3.65E-01	6.58E-02	1.24E+00	9.09E-01	2.21E+02	3.65E+00	3.36E-01	2.25E+02
4463	485363.09	3858377.25	12.5429	18.1591	39.83	8.53396	9.56E-01	1.94E+02	4.40E+00	4.88E-01	2.00E+02	9.29E-01	8.19E-04	4.40E-01	9.55E-02	1.47E+00	1.04E+00	1.94E+02	4.40E+00	4.88E-01	2.00E+02
4464	485863.09	3858377.25	13.8086	25.5075	46.558	14.88712	1.05E+00	2.72E+02	5.15E+00	8.51E-01	2.79E+02	1.02E+00	1.15E-03	5.15E-01	1.67E-01	1.70E+00	1.15E+00	2.72E+02	5.15E+00	8.51E-01	2.79E+02
4465	486363.09	3858377.25	18.2833	40.9784	48.493	33.12464	1.39E+00	4.37E+02	5.36E+00	1.89E+00	4.46E+02	1.35E+00	1.85E-03	5.36E-01	3.71E-01	2.26E+00	1.52E+00	4.37E+02	5.36E+00	1.89E+00	4.46E+02
4466	486863.09	3858377.25	32.2072	37.9403	48.118	14.67129	2.45E+00	4.05E+02	5.32E+00	8.39E-01	4.14E+02	2.38E+00	1.71E-03	5.32E-01	1.64E-01	3.08E+00	2.67E+00	4.05E+02	5.32E+00	8.39E-01	4.14E+02
4467	487363.09	3858377.25	52.2783	21.345	52.118	8.21622	3.98E+00	2.28E+02	5.76E+00	4.70E-01	2.38E+02	3.87E+00	9.62E-04	5.76E-01	9.20E-02	4.54E+00	4.34E+00	2.28E+02	5.76E+00	4.70E-01	2.38E+02
4468	487863.09	3858377.25	44.0698	17.4246	69.732	14.37261	3.36E+00	1.86E+02	7.71E+00	8.22E-01	1.98E+02	3.26E+00	7.85E-04	7.71E-01	1.61E-01	4.20E+00	3.66E+00	1.86E+02	7.71E+00	8.22E-01	1.98E+02
4469	488363.09	3858377.25	43.9845	18.6444	214.52	8.36468	3.35E+00	1.99E+02	2.37E+01	4.78E-01	2.27E+02	3.26E+00	8.40E-04	2.37E+00	9.36E-02	5.72E+00	3.65E+00	1.99E+02	2.37E+01	4.78E-01	2.27E+02
4470	488863.09	3858377.25	38.166	16.9198	125.09	11.04997	2.91E+00	1.81E+02	1.38E+01	6.32E-01	1.98E+02	2.83E+00	7.63E-04	1.38E+00	1.24E-01	4.33E+00	3.17E+00	1.81E+02	1.38E+01	6.32E-01	1.98E+02
4471	489363.09	3858377.25	33.9616	11.8166	67.378	7.24456	2.59E+00	1.26E+02	7.45E+00	4.14E-01	1.37E+02	2.51E+00	5.33E-04	7.45E-01	8.11E-02	3.34E+00	2.82E+00	1.26E+02	7.45E+00	4.14E-01	1.37E+02
4472	489863.09	3858377.25	29.6787	8.81278	56.528	5.69222	2.26E+00	9.40E+01	6.25E+00	3.26E-01	1.03E+02	2.20E+00	3.97E-04	6.25E-01	6.37E-02	2.89E+00	2.46E+00	9.40E+01	6.25E+00	3.26E-01	1.03E+02
4473	490363.09	3858377.25	23.7404	7.45288	48.23	5.07901	1.81E+00	7.95E+01	5.33E+00	2.90E-01	8.70E+01	1.76E+00	3.36E-04	5.33E-01	5.69E-02	2.35E+00	1.97E+00	7.95E+01	5.33E+00	2.90E-01	8.71E+01
4474	490863.09	3858377.25	20.0582	6.42269	41.123	4.88107	1.53E+00	6.85E+01	4.55E+00	2.79E-01	7.49E+01	1.48E+00	2.90E-04	4.55E-01	5.46E-02	1.99E+00	1.67E+00	6.85E+01	4.55E+00	2.79E-01	7.50E+01
4475	491363.09	3858377.25	16.8892	5.00431	43.455	8.92496	1.29E+00	5.34E+01	4.80E+00	5.10E-01	6.00E+01	1.25E+00	2.26E-04	4.80E-01	9.99E-02	1.83E+00	1.40E+00	5.34E+01	4.80E+00	5.10E-01	6.01E+01
4476	491863.09	3858377.25	14.4897	3.49381	146.02	13.28146	1.10E+00	3.73E+01	1.61E+01	7.59E-01	5.53E+01	1.07E+00	1.57E-04	1.61E+00	1.49E-01	2.84E+00	1.20E+00	3.73E+01	1.61E+01	7.59E-01	5.54E+01
4477	492363.09	3858377.25	5.01401	2.62454	78.992	4.00724	3.82E-01	2.80E+01	8.73E+00	2.29E-01	3.74E+01	3.71E-01	1.18E-04	8.73E-01	4.49E-02	1.29E+00	4.16E-01	2.80E+01	8.73E+00	2.29E-01	3.74E+01
4478	492863.09	3858377.25	6.31715	2.70718	116.01	6.0669	4.81E-01	2.89E+01	1.28E+01	3.47E-01	4.25E+01	4.68E-01	1.22E-04	1.28E+00	6.79E-02	1.82E+00	5.24E-01	2.89E+01	1.28E+01	3.47E-01	4.26E+01
4479	493363.09	3858377.25	4.10506	2.78927	46.141	3.93452	3.13E-01	2.98E+01	5.10E+00	2.25E-01	3.54E+01	3.04E-01	1.26E-04	5.10E-01	4.40E-02	8.58E-01	3.41E-01	2.98E+01	5.10E+00	2.25E-01	3.54E+01
4480	493863.09	3858377.25	5.15208	2.86779	29.648	4.06454	3.93E-01	3.06E+01	3.28E+00	2.32E-01	3.45E+01	3.81E-01	1.29E-04	3.28E-01	4.55E-02	7.55E-01	4.28E-01	3.06E+01	3.28E+00	2.32E-01	3.45E+01
4481	494363.09	3858377.25	5.97017	2.94073	27.722	3.84284	4.55E-01	3.14E+01	3.07E+00	2.20E-01	3.51E+01	4.42E-01	1.33E-04	3.07E-01	4.30E-02	7.92E-01	4.96E-01	3.14E+01	3.07E+00	2.20E-01	3.52E+01
4482	494863.09	3858377.25	4.06913	3.00645	26.951	3.95546	3.10E-01	3.21E+01	2.98E+00	2.26E-01	3.56E+01	3.01E-01	1.36E-04	2.98E-01	4.43E-02	6.44E-01	3.38E-01	3.21E+01	2.98E+00	2.26E-01	3.56E+01
4483	495363.09	3858377.25	3.49387	3.06403	21.729	4.05552	2.66E-01	3.27E+01	2.40E+00	2.32E-01	3.56E+01	2.59E-01	1.38E-04	2.40E-01	4.54E-02	5.44E-01	2.90E-01	3.27E+01	2.40E+00	2.32E-01	3.56E+01
4484	495863.09	3858377.25	3.62463	3.11266	20.265	4.07851	2.76E-01	3.32E+01	2.24E+00	2.33E-01	3.60E+01	2.68E-01	1.40E-04	2.24E-01	4.57E-02	5.38E-01	3.01E-01	3.32E+01	2.24E+00	2.33E-01	3.60E+01
4485	496363.09	3858377.25	3.69488	3.15239	18.864	4.09039	2.82E-01	3.36E+01	2.09E+00	2.34E-01	3.62E+01	2.74E-01	1.42E-04	2.09E-01	4.58E-02	5.28E-01	3.07E-01	3.36E+01	2.09E+00	2.34E-01	3.63E+01
4486	496863.09	3858377.25	3.71554	3.18325	17.951	4.05916	2.83E-01	3.40E+01	1.98E+00	2.32E-01	3.65E+01	2.75E-01	1.43E-04	1.98E-01	4.54E-02	5.19E-01	3.08E-01	3.40E+01	1.98E+00	2.32E-01	3.65E+01
4487	497363.09	3858377.25	3.68788	3.20542	19.802	4.03324	2.81E-01	3.42E+01	2.19E+00	2.31E-01	3.69E+01	2.73E-01	1.44E-04	2.19E-01	4.51E-02	5.37E-01	3.06E-01	3.42E+01	2.19E+00	2.31E-01	3.69E+01
4488	497863.09	3858377.25	7.23483	3.21972	21.032	3.97813	5.51E-01	3.44E+01	2.33E+00	2.27E-01	3.75E+01	5.36E-01	1.45E-04	2.33E-01	4.45E-02	8.13E-01	6.01E-01	3.44E+01	2.33E+00	2.27E-01	3.75E+01
4489	498363.09	3858377.25	7.02475	3.2265	28.48	3.91455	5.35E-01	3.44E+01	3.15E+00	2.24E-01	3.83E+01	5.20E-01	1.45E-04	3.15E-01	4.38E-02	8.79E-01	5.83E-01	3.44E+01	3.15E+00	2.24E-01	3.84E+01
4490	471363.09	3858877.25	5.27888	1.78562	18.18	9.34534	4.02E-01	1.91E+01	2.01E+00	5.34E-01	2.20E+01	3.91E-01	8.05E-05	2.01E-01	1.05E-01	6.97E-01	4.38E-01	1.91E+01	2.01E+00	5.34E-01	2.20E+01
4491	471863.09	3858877.25	5.25549	1.72169	20.063	9.18734	4.01E-01	1.84E+01	2.22E+00	5.25E-01	2.15E+01	3.89E-01	7.76E-05	2.22E-01	1.03E-01	7.14E-01	4.36E-01	1.84E+01	2.22E+00	5.25E-01	2.16E+01
4492	472363.09	3858877.25	5.47871	1.86235	21.868	8.4263	4.18E-01	1.99E+01	2.42E+00	4.82E-01	2.32E+01	4.06E-01	8.40E-05	2.42E-01	9.43E-02	7.42E-01	4.55E-01	1.99E+01	2.42E+00	4.82E-01	2.32E+01
4493	472863.09	3858877.25	5.61753	1.94907	23.736	7.56217	4.28E-01	2.08E+01	2.62E+00	4.32E-01	2.43E+01	4.16E-01	8.79E-05	2.62E-01	8.47E-02	7.63E-01	4.66E-01	2.08E+01	2.62E+00	4.32E-01	2.43E+01
4494	473363.09	3858877.25	5.85031	2.23064	24.215	6.08918	4.46E-01	2.38E+01	2.68E+00	3.48E-01	2.73E+01	4.33E-01	1.01E-04	2.68E-01	6.82E-02	7.69E-01	4.86E-01	2.38E+01	2.68E+00	3.48E-01	2.73E+01
4495	473863.09	3858877.25	5.72723	2.02727	28.177	5.84847	4.37E-01	2.16E+01	3.12E+00	3.34E-01	2.55E+01	4.24E-01	9.14E-05	3.12E-01	6.55E-02	8.01E-01	4.75E-01	2.16E+01	3.12E+00	3.34E-01	2.56E+01
4496	474363.09	3858877.25	5.50622	1.52789	41.535	8.97249	4.20E-01	1.63E+01	4.59E+00	5.13E-01	2.18E+01	4.08E-01	6.89E-05	4.59E-01	1.00E-01	9.67E-01	4.57E-01	1.63E+01	4.59E+00	5.13E-01	2.19E+01
4497	474863.09	3858877.25	3.29751	1.08648	13.883	2.56942	2.51E-01	1.16E+01	1.53E+00	1.47E-01	1.35E+01	2.44E-01	4.90E-05	1.53E-01	2.88E-02	4.26E-01	2.74E-01	1.16E+01	1.53E+00	1.47E-01	1.36E+01
4498	475363.09	3858877.25	2.71823	1.1052	13.886	2.66985	2.07E-01	1.18E+01	1.54E+00	1.53E-01	1.37E+01	2.01E-01	4.98E-05	1.54E-01	2.99E-02	3.85E-01	2.26E-01	1.18E+01	1.54E+00	1.53E-01	1.37E+01
4499	475863.09	3858877.25	2.71557	1.19856	13.982	2.67213	2.07E-01	1.28E+01	1.55E+00	1.53E-01	1.47E+01	2.01E-01	5.40E-05	1.55E-01	2.99E-02	3.86E-01	2.25E-01	1.28E+01	1.55E+00	1.53E-01	1.47E+01
4500	476363.09	3858877.25	2.71285	1.26525	13.164	2.79407	2.07E-01	1.35E+01	1.46E+00	1.60E-01	1.53E+01	2.01E-01	5.70E-05	1.46E-01	3.13E-02	3.78E-01	2.25E-01	1.35E+01	1.46E+00	1.60E-01	1.53E+01
4501	476863.09	3858877.25	2.71009	1.2993	13.839	2.61198	2.07E-01	1.39E+01	1.53E+00	1.49E-01	1.58E+01	2.01E-01	5.86E-05	1.53E-01	2.92E-02	3.83E-01	2.25E-01	1.39E+01	1.53E+00	1.49E-01	1.58E+01
4502	477363.09	3858877.25	2.70697	1.29982	13.809	2.54809	2.06E-01	1.39E+01	1.53E+00	1.46E-01	1.58E+01	2.00E-01	5.86E-05	1.53E-01	2.85E-02	3.82E-01	2.25E-01	1.39E+01	1.53E+00	1.46E-01	1.58E+01
4503	477863.09	3858877.25	2.70321	1.25979	14.131	2.74656	2.06E-01	1.34E+01	1.56E+00	1.57E-01	1.54E+01	2.00E-01	5.68E-05	1.56E-01	3.07E-02	3.87E-01	2.24E-01	1.34E+01	1.56E+00	1.57E-01	1.54E+01
4504	478363.09	3858877.25	2.90906	1.54149	33.926	4.01082	2.22E-01	1.65E+01	3.75E+00	2.29E-01	2.07E+01	2.15E-01	6.95E-05	3.75E-01	4.49E-02	6.35E-01	2.42E-01	1.65E+01	3.75E+00	2.29E-01	2.07E+01
4505	478863.09	3858877.25	2.74809	1.57105	20.061	4.06897	2.09E-01	1.68E+01	2.22E+00	2.33E-01	1.94E+01	2.03E-01	7.08E-05	2.22E-01	4.55E-02	4.71E-01	2.28E-01	1.68E+01	2.22E+00	2.33E-01	1.94E+01
4506	479363.09	3858877.25	2.73254	1.29406	14.97	2.7436	2.08E-01	1.38E+01	1.66E+00	1.57E-01	1.58E+01	2.02E-01	5.83E-05	1.66E-01	3.07E-02	3.99E-01	2.27E-01	1.38E+01	1.66E+00	1.57E-01	1.58E+01
4507	479863.09	3858877.25	7.18179	2.93568	46.17	12.49158	5.47E-01	3.13E+01	5.10E+00	7.14E-01	3.77E+01	5.32E-01	1.32E-04	5.10E-01	1.40E-01	1.18E+00	5.96E-01	3.13E+01	5.10E+00	7.14E-01	3.77E+01
4508	480363.09	3858877.25	7.57312	3.76333	34.929	9.26473	5.77E-01	4.02E+01	3.86E+00	5.30E-01	4.51E+01	5.61E-01	1.70E-04	3.86E-01	1.04E-01	1.05E+00	6.29E-01	4.02E+01	3.86E+00	5.30E-01	4.52E+01
4509	480863.09	3858877.25	7.91816	4.2839	28.413	5.44871	6.04E-01	4.57E+01	3.14E+00	3.12E-01	4.98E+01	5.86E-01	1.93E-04	3.14E-01	6.10E-02	9.62E-01	6.57E-01	4.57E+01	3.14E+00	3.12E-01	4.98E+01
4510	481363.09	3858877.25	8.24341	4.53911	23.565	5.47219	6.28E-01	4.84E+01	2.61E+00	3.13E-01	5.20E+01	6.10E-01	2.05E-04	2.61E-01	6.13E-02	9.32E-01	6.84E-01	4.84E+01	2.61E+00	3.13E-01	5.20E+01

4511	481863.09	3858877.25	8.57722	5.018	22.689	5.74293	6.54E-01	5.36E+01	2.51E+00	3.28E-01	5.70E+01	6.35E-01	2.26E-04	2.51E-01	6.43E-02	9.50E-01	7.12E-01	5.36E+01	2.51E+00	3.28E-01	5.71E+01
4512	482363.09	3858877.25	8.78217	5.11612	25.987	10.40734	6.69E-01	5.46E+01	2.87E+00	5.95E-01	5.87E+01	6.50E-01	2.31E-04	2.87E-01	1.17E-01	1.05E+00	7.29E-01	5.46E+01	2.87E+00	5.95E-01	5.88E+01
4513	482863.09	3858877.25	8.81406	5.81333	29.684	6.02223	6.72E-01	6.20E+01	3.28E+00	3.44E-01	6.63E+01	6.53E-01	2.62E-04	3.28E-01	6.74E-02	1.05E+00	7.32E-01	6.20E+01	3.28E+00	3.44E-01	6.64E+01
4514	483363.09	3858877.25	8.65893	9.08758	33.31	5.14958	6.60E-01	9.70E+01	3.68E+00	2.94E-01	1.02E+02	6.41E-01	4.10E-04	3.68E-01	5.76E-02	1.07E+00	7.19E-01	9.70E+01	3.68E+00	2.94E-01	1.02E+02
4515	483863.09	3858877.25	8.85384	10.081	36.282	5.47739	6.75E-01	1.08E+02	4.01E+00	3.13E-01	1.13E+02	6.55E-01	4.54E-04	4.01E-01	6.13E-02	1.12E+00	7.35E-01	1.08E+02	4.01E+00	3.13E-01	1.13E+02
4516	484363.09	3858877.25	9.28324	11.554	38.973	8.00479	7.08E-01	1.23E+02	4.31E+00	4.58E-01	1.29E+02	6.87E-01	5.21E-04	4.31E-01	8.96E-02	1.21E+00	7.71E-01	1.23E+02	4.31E+00	4.58E-01	1.29E+02
4517	484863.09	3858877.25	9.89037	14.0906	39.579	11.57314	7.54E-01	1.50E+02	4.38E+00	6.62E-01	1.56E+02	7.32E-01	6.35E-04	4.38E-01	1.30E-01	1.30E+00	8.21E-01	1.50E+02	4.38E+00	6.62E-01	1.56E+02
4518	485363.09	3858877.25	11.3156	17.7245	36.269	11.85374	8.62E-01	1.89E+02	4.01E+00	6.78E-01	1.95E+02	8.38E-01	7.99E-04	4.01E-01	1.33E-01	1.37E+00	9.39E-01	1.89E+02	4.01E+00	6.78E-01	1.95E+02
4519	485863.09	3858877.25	12.3176	23.8393	49.885	11.0238	9.39E-01	2.54E+02	5.52E+00	6.30E-01	2.61E+02	9.12E-01	1.07E-03	5.52E-01	1.23E-01	1.59E+00	1.02E+00	2.54E+02	5.52E+00	6.30E-01	2.62E+02
4520	486363.09	3858877.25	14.918	38.8708	48.438	10.72128	1.14E+00	4.15E+02	5.36E+00	6.13E-01	4.22E+02	1.10E+00	1.75E-03	5.36E-01	1.20E-01	1.76E+00	1.24E+00	4.15E+02	5.36E+00	6.13E-01	4.22E+02
4521	486863.09	3858877.25	18.5063	42.6119	40.408	7.27976	1.41E+00	4.55E+02	4.47E+00	4.16E-01	4.61E+02	1.37E+00	1.92E-03	4.47E-01	8.15E-02	1.90E+00	1.54E+00	4.55E+02	4.47E+00	4.16E-01	4.61E+02
4522	487363.09	3858877.25	37.2894	38.3784	33.223	7.30808	2.84E+00	4.10E+02	3.67E+00	4.18E-01	4.16E+02	2.76E+00	1.73E-03	3.67E-01	8.18E-02	3.21E+00	3.10E+00	4.10E+02	3.67E+00	4.18E-01	4.17E+02
4523	487863.09	3858877.25	41.197	26.977	18.121	8.99931	3.14E+00	2.88E+02	2.00E+00	5.15E-01	2.94E+02	3.05E+00	1.22E-03	2.00E-01	1.01E-01	3.35E+00	3.42E+00	2.88E+02	2.00E+00	5.15E-01	2.94E+02
4524	488363.09	3858877.25	36.1128	28.6709	25.245	10.1254	2.75E+00	3.06E+02	2.79E+00	5.79E-01	3.12E+02	2.67E+00	1.29E-03	2.79E-01	1.13E-01	3.07E+00	3.00E+00	3.06E+02	2.79E+00	5.79E-01	3.12E+02
4525	488863.09	3858877.25	34.7648	21.4997	38.157	12.45626	2.65E+00	2.29E+02	4.22E+00	7.12E-01	2.37E+02	2.57E+00	9.69E-04	4.22E-01	1.39E-01	3.14E+00	2.89E+00	2.29E+02	4.22E+00	7.12E-01	2.37E+02
4526	489363.09	3858877.25	31.6442	15.05	55.383	7.02542	2.41E+00	1.61E+02	6.12E+00	4.02E-01	1.70E+02	2.34E+00	6.78E-04	6.12E-01	7.86E-02	3.03E+00	2.63E+00	1.61E+02	6.12E+00	4.02E-01	1.70E+02
4527	489863.09	3858877.25	26.7407	12.4625	48.482	6.44232	2.04E+00	1.33E+02	5.36E+00	3.68E-01	1.41E+02	1.98E+00	5.62E-04	5.36E-01	7.21E-02	2.59E+00	2.22E+00	1.33E+02	5.36E+00	3.68E-01	1.41E+02
4528	490363.09	3858877.25	27.3647	9.87773	35.328	5.69844	2.09E+00	1.05E+02	3.91E+00	3.26E-01	1.12E+02	2.03E+00	4.45E-04	3.91E-01	6.38E-02	2.48E+00	2.27E+00	1.05E+02	3.91E+00	3.26E-01	1.12E+02
4529	490863.09	3858877.25	24.045	8.12236	37.029	7.17793	1.83E+00	8.67E+01	4.09E+00	4.10E-01	9.30E+01	1.78E+00	3.66E-04	4.09E-01	8.04E-02	2.27E+00	2.00E+00	8.67E+01	4.09E+00	4.10E-01	9.32E+01
4530	491363.09	3858877.25	21.5307	7.97085	116.49	10.14904	1.64E+00	8.51E+01	1.29E+01	5.80E-01	1.00E+02	1.59E+00	3.59E-04	1.29E+00	1.14E-01	3.00E+00	1.79E+00	8.51E+01	1.29E+01	5.80E-01	1.00E+02
4531	491863.09	3858877.25	12.2692	3.94605	146.56	8.05097	9.35E-01	4.21E+01	1.62E+01	4.60E-01	5.97E+01	9.08E-01	1.78E-04	1.62E+00	9.01E-02	2.62E+00	1.02E+00	4.21E+01	1.62E+01	4.60E-01	5.98E+01
4532	492363.09	3858877.25	13.664	3.89874	145.92	12.3054	1.04E+00	4.16E+01	1.61E+01	7.04E-01	5.95E+01	1.01E+00	1.76E-04	1.61E+00	1.38E-01	2.76E+00	1.13E+00	4.16E+01	1.61E+01	7.04E-01	5.96E+01
4533	492863.09	3858877.25	14.1225	3.8413	70.497	10.35724	1.08E+00	4.10E+01	7.79E+00	5.92E-01	5.05E+01	1.05E+00	1.73E-04	7.79E-01	1.16E-01	1.94E+00	1.17E+00	4.10E+01	7.79E+00	5.92E-01	5.06E+01
4534	493363.09	3858877.25	12.4453	3.77497	71.872	12.07783	9.49E-01	4.03E+01	7.95E+00	6.91E-01	4.99E+01	9.21E-01	1.70E-04	7.95E-01	1.35E-01	1.85E+00	1.03E+00	4.03E+01	7.95E+00	6.91E-01	5.00E+01
4535	493863.09	3858877.25	8.41781	3.70145	88.757	7.80018	6.42E-01	3.95E+01	9.81E+00	4.46E-01	5.04E+01	6.23E-01	1.67E-04	9.81E-01	8.73E-02	1.69E+00	6.99E-01	3.95E+01	9.81E+00	4.46E-01	5.05E+01
4536	494363.09	3858877.25	6.70829	3.6232	121.5	7.70073	5.11E-01	3.87E+01	1.34E+01	4.40E-01	5.31E+01	4.97E-01	1.63E-04	1.34E+00	8.62E-02	1.93E+00	5.57E-01	3.87E+01	1.34E+01	4.40E-01	5.31E+01
4537	494863.09	3858877.25	5.09864	3.54202	57.898	4.53044	3.89E-01	3.78E+01	6.40E+00	2.59E-01	4.48E+01	3.77E-01	1.60E-04	6.40E-01	5.07E-02	1.07E+00	4.23E-01	3.78E+01	6.40E+00	2.59E-01	4.49E+01
4538	495363.09	3858877.25	3.89387	3.46031	36.491	4.54921	2.97E-01	3.69E+01	4.03E+00	2.60E-01	4.15E+01	2.88E-01	1.56E-04	4.03E-01	5.09E-02	7.43E-01	3.23E-01	3.69E+01	4.03E+00	2.60E-01	4.15E+01
4539	495863.09	3858877.25	3.924	3.37965	31.643	4.51438	2.99E-01	3.61E+01	3.50E+00	2.58E-01	4.01E+01	2.91E-01	1.52E-04	3.50E-01	5.05E-02	6.91E-01	3.26E-01	3.61E+01	3.50E+00	2.58E-01	4.01E+01
4540	496363.09	3858877.25	4.81263	3.30154	30.735	4.44586	3.67E-01	3.52E+01	3.40E+00	2.54E-01	3.93E+01	3.56E-01	1.49E-04	3.40E-01	4.98E-02	7.46E-01	4.00E-01	3.52E+01	3.40E+00	2.54E-01	3.93E+01
4541	496863.09	3858877.25	5.57354	3.22715	29.852	4.36914	4.25E-01	3.44E+01	3.30E+00	2.50E-01	3.84E+01	4.13E-01	1.45E-04	3.30E-01	4.89E-02	7.92E-01	4.63E-01	3.44E+01	3.30E+00	2.50E-01	3.85E+01
4542	497363.09	3858877.25	6.18307	3.15722	28.504	4.28881	4.71E-01	3.37E+01	3.15E+00	2.45E-01	3.76E+01	4.58E-01	1.42E-04	3.15E-01	4.80E-02	8.21E-01	5.13E-01	3.37E+01	3.15E+00	2.45E-01	3.76E+01
4543	497863.09	3858877.25	6.68622	3.09213	54.896	4.16714	5.10E-01	3.30E+01	6.07E+00	2.38E-01	3.98E+01	4.95E-01	1.39E-04	6.07E-01	4.66E-02	1.15E+00	5.55E-01	3.30E+01	6.07E+00	2.38E-01	3.99E+01
4544	498363.09	3858877.25	7.06303	3.03217	74.581	4.79632	5.38E-01	3.24E+01	8.25E+00	2.74E-01	4.14E+01	5.23E-01	1.37E-04	8.25E-01	5.37E-02	1.40E+00	5.86E-01	3.24E+01	8.25E+00	2.74E-01	4.15E+01
4545	471363.09	3859377.25	4.99817	1.71685	34.567	5.57254	3.81E-01	1.83E+01	3.82E+00	3.19E-01	2.28E+01	3.70E-01	7.74E-05	3.82E-01	6.24E-02	8.15E-01	4.15E-01	1.83E+01	3.82E+00	3.19E-01	2.29E+01
4546	471863.09	3859377.25	5.33361	1.73921	35.801	5.00486	4.07E-01	1.86E+01	3.96E+00	2.86E-01	2.32E+01	3.95E-01	7.84E-05	3.96E-01	5.60E-02	8.47E-01	4.43E-01	1.86E+01	3.96E+00	2.86E-01	2.32E+01
4547	472363.09	3859377.25	5.52346	1.90427	35.368	5.03751	4.21E-01	2.03E+01	3.91E+00	2.88E-01	2.49E+01	4.09E-01	8.58E-05	3.91E-01	5.64E-02	8.56E-01	4.59E-01	2.03E+01	3.91E+00	2.88E-01	2.50E+01
4548	472863.09	3859377.25	5.60067	2.00053	35.173	5.20925	4.27E-01	2.13E+01	3.89E+00	2.98E-01	2.60E+01	4.15E-01	9.02E-05	3.89E-01	5.83E-02	8.62E-01	4.65E-01	2.13E+01	3.89E+00	2.98E-01	2.60E+01
4549	473363.09	3859377.25	5.64099	2.16625	33.564	4.96231	4.30E-01	2.31E+01	3.71E+00	2.84E-01	2.75E+01	4.18E-01	9.77E-05	3.71E-01	5.55E-02	8.44E-01	4.68E-01	2.31E+01	3.71E+00	2.84E-01	2.76E+01
4550	473863.09	3859377.25	5.62534	2.29331	34.955	5.12909	4.29E-01	2.45E+01	3.86E+00	2.93E-01	2.91E+01	4.16E-01	1.03E-04	3.86E-01	5.74E-02	8.60E-01	4.67E-01	2.45E+01	3.86E+00	2.93E-01	2.91E+01
4551	474363.09	3859377.25	5.51939	1.41619	52.298	6.13426	4.21E-01	1.51E+01	5.78E+00	3.51E-01	2.17E+01	4.09E-01	6.38E-05	5.78E-01	6.87E-02	1.06E+00	4.58E-01	1.51E+01	5.78E+00	3.51E-01	2.17E+01
4552	474863.09	3859377.25	5.42697	1.41855	32.048	3.94761	4.14E-01	1.51E+01	3.54E+00	2.26E-01	1.93E+01	4.02E-01	6.39E-05	3.54E-01	4.42E-02	8.00E-01	4.51E-01	1.51E+01	3.54E+00	2.26E-01	1.94E+01
4553	475363.09	3859377.25	2.7079	1.2866	10.18	2.58882	2.06E-01	1.37E+01	1.13E+00	1.48E-01	1.52E+01	2.00E-01	5.80E-05	1.13E-01	2.90E-02	3.42E-01	2.25E-01	1.37E+01	1.13E+00	1.48E-01	1.52E+01
4554	475863.09	3859377.25	2.70316	1.26418	10.154	2.31287	2.06E-01	1.35E+01	1.12E+00	1.32E-01	1.50E+01	2.00E-01	5.70E-05	1.12E-01	2.59E-02	3.38E-01	2.24E-01	1.35E+01	1.12E+00	1.32E-01	1.50E+01
4555	476363.09	3859377.25	2.69318	1.19641	10.118	2.45619	2.05E-01	1.28E+01	1.12E+00	1.40E-01	1.42E+01	1.99E-01	5.39E-05	1.12E-01	2.75E-02	3.39E-01	2.24E-01	1.28E+01	1.12E+00	1.40E-01	1.43E+01
4556	476863.09	3859377.25	2.66778	1.08112	10.035	2.65001	2.03E-01	1.15E+01	1.11E+00	1.52E-01	1.30E+01	1.98E-01	4.87E-05	1.11E-01	2.97E-02	3.38E-01	2.21E-01	1.15E+01	1.11E+00	1.52E-01	1.30E+01
4557	477363.09	3859377.25	2.60418	0.97482	9.9647	2.68854	1.98E-01	1.04E+01	1.10E+00	1.54E-01	1.19E+01	1.93E-01	4.39E-05	1.10E-01	3.01E-02	3.33E-01	2.16E-01	1.04E+01	1.10E+00	1.54E-01	1.19E+01
4558	477863.09	3859377.25	2.72997	1.07842	10.676	2.53194	2.08E-01	1.15E+01	1.18E+00	1.45E-01	1.30E+01	2.02E-01	4.86E-05	1.18E-01	2.83E-02	3.49E-01	2.27E-01	1.15E+01	1.18E+00	1.45E-01	1.31E+01
4559	478363.09	3859377.25	2.74759	1.49214	35.178	4.59485	2.09E-01	1.59E+01	3.89E+00	2.63E-01	2.03E+01	2.03E-01	6.73E-05	3.89E-01	5.14E-02	6.44E-01	2.28E-01	1.59E+01	3.89E+00	2.63E-01	2.03E+01
4560	478863.09	3859377.25	4.25114	1.51122	137.77	8.02012	3.24E-01	1.61E+01	1.52E+01	4.59E-01	3.21E+01	3.15E-01	6.81E-05	1.52E+00	8.98E-02	1.93E+00	3.53E-01	1.61E+01	1.52E+01	4.59E-01	3.22E+01
4561	479363.09	3859377.25	5.83081	1.52974	158.96	14.44449	4.44E-01	1.63E+01	1.76E+01	8.26E-01	3.52E+01	4.32E-01	6.90E-05	1.76E+00	1.62E-01	2.35E+00	4.84E-01	1.63E+01	1.76E+01	8.26E-01	3.52E+01
4562	479863.09	3859377.25	6.72565	2.17922	92.656	8.53842	5.13E-01	2.33E+01	1.02E+01	4.88E-01	3.45E+01	4.98E-01	9.82E-05	1.02E+00	9.56E-02	1.62E+00	5.58E-01	2.33E+01	1.02E+01	4.88E-01	3.45E+01
4563	480363.09	3859377.25	7.22438	3.27618	31.51	6.07892	5.51E-01	3.50E+01	3.48E+00	3.48E-01	3.93E+01	5.35E-01	1.48E-04	3.48E-01	6.80E-02	9.51E-01	6.00E-01	3.50E+01	3.48E+00	3.48E-01	3.94E+01
4564	480863.09	3859377.25	7.45913	3.94398	24.752	4.45577	5.69E-01	4.21E+01	2.74E+00	2.55E-01	4.56E+01	5.52E-01	1.78E-04	2.74E-01	4.99E-02	8.76E-01	6.19E-01	4.21E+01	2.74E+00	2.55E-01	4.57E+01
4565	481363.09	3859377.25	7.4788	4.3537	26.685	4.59899	5.70E-01	4.65E+01	2.95E+00	2.63E-01	5.02E+01	5.54E-01	1.96E-04	2.95E-01	5.15E-02	9.00E-01	6.21E-01	4.65E+01	2.95E+00	2.63E-01	5.03E+01
4566	481863.09	3859377.25	7.5776	4.60975	28.289	6.20168	5.78E-01	4.92E+01	3.13E+00	3.55E-01	5.33E+01	5.61E-01	2.08E-04	3.13E-01	6.94E-02	9.43E-01	6.29E-01	4.92E+01	3.13E+00	3.55E-01	5.33E+01
4567	482363.09	3859377.25	7.90809	4.70533	32.409	4.87479	6.03E-01	5.02E+01	3.58E+00	2.79E-01	5.47E+01	5.85E-01	2.12E-04	3.58E-01	5.46E-02	9.99E-01	6.57E-01	5.02E+01	3.58E+00	2.79E-01	5.47E+01
4568	482863.09	3859377.25	8.25747	5.27661	33.366	5.01213	6.29E-01	5.63E+01	3.69E+00	2.87E-01	6.09E+01	6.11E-01	2.38E-04	3.69E-01	5.61E-02	1.04E+00	6.86E-01	5.63E+01	3.69E+00	2.87E-01	6.10E+01
4569	483363.09	3859377.25	8.46415	6.91313	29.776	5.1802	6.45E-01	7.38E+01	3.29E+00	2.96E-01	7.80E+01	6.27E-01	3.12E-04	3.29E-01	5.80E-02	1.01E+00	7.03E-01	7.38E+01	3.29E+00	2.96E-01	7.81E+01
4570	483863.09	3859377.25	8.16442	8.94598	27.037	5.85378	6.22E-01	9.55E+01	2.99E+00	3.35E-01	9.94E+01	6.04E-01	4.03E-04	2.99E-01	6.55E-02	9.69E-01	6.78E-01	9.55E+01	2.99E+00	3.35E-01	9.95E+01
4571	484363.09	3859377.25	8.43636	10.3256	35.581	8.65492	6.43E-01	1.10E+02	3.93E+00	4.95E-01	1.15E+02	6.25E-01	4.65E-04	3.93E-01	9.69E-02	1.12E+00	7.00E-01	1.10E+02	3.93E+00	4.95E-01	1.15E+02

4572	484863.09	3859377.25	9.33877	11.9246	42.495	13.80268	7.12E-01	1.27E+02	4.70E+00	7.89E-01	1.33E+02	6.91E-01	5.38E-04	4.70E-01	1.55E-01	1.32E+00	7.75E-01	1.27E+02	4.70E+00	7.89E-01	1.34E+02
4573	485363.09	3859377.25	10.3589	14.1044	40.894	18.21261	7.90E-01	1.51E+02	4.52E+00	1.04E+00	1.57E+02	7.67E-01	6.36E-04	4.52E-01	2.04E-01	1.42E+00	8.60E-01	1.51E+02	4.52E+00	1.04E+00	1.57E+02
4574	485863.09	3859377.25	11.0558	17.4563	30.99	20.84588	8.43E-01	1.86E+02	3.43E+00	1.19E+00	1.92E+02	8.18E-01	7.87E-04	3.43E-01	2.33E-01	1.40E+00	9.18E-01	1.86E+02	3.43E+00	1.19E+00	1.92E+02
4575	486363.09	3859377.25	12.4013	23.4398	36.585	20.39357	9.45E-01	2.50E+02	4.04E+00	1.17E+00	2.56E+02	9.18E-01	1.06E-03	4.04E-01	2.28E-01	1.55E+00	1.03E+00	2.50E+02	4.04E+00	1.17E+00	2.56E+02
4576	486863.09	3859377.25	15.4302	45.086	28.064	24.40747	1.18E+00	4.81E+02	3.10E+00	1.40E+00	4.87E+02	1.14E+00	2.03E-03	3.10E-01	2.73E-01	1.73E+00	1.28E+00	4.81E+02	3.10E+00	1.40E+00	4.87E+02
4577	487363.09	3859377.25	20.8508	45.5219	18.445	15.92952	1.59E+00	4.86E+02	2.04E+00	9.11E-01	4.90E+02	1.54E+00	2.05E-03	2.04E-01	1.78E-01	1.93E+00	1.73E+00	4.86E+02	2.04E+00	9.11E-01	4.90E+02
4578	487863.09	3859377.25	37.8026	32.4597	19.644	13.99675	2.88E+00	3.46E+02	2.17E+00	8.00E-01	3.52E+02	2.80E+00	1.46E-03	2.17E-01	1.57E-01	3.17E+00	3.14E+00	3.46E+02	2.17E+00	8.00E-01	3.53E+02
4579	488363.09	3859377.25	27.9965	38.2831	21.868	38.96256	2.13E+00	4.09E+02	2.42E+00	2.23E+00	4.15E+02	2.07E+00	1.73E-03	2.42E-01	4.36E-01	2.75E+00	2.32E+00	4.09E+02	2.42E+00	2.23E+00	4.16E+02
4580	488863.09	3859377.25	29.856	33.9568	39.158	10.051	2.28E+00	3.62E+02	4.33E+00	5.75E-01	3.70E+02	2.21E+00	1.53E-03	4.33E-01	1.13E-01	2.76E+00	2.48E+00	3.62E+02	4.33E+00	5.75E-01	3.70E+02
4581	489363.09	3859377.25	28.9331	19.5144	31.38	7.70427	2.21E+00	2.08E+02	3.47E+00	4.41E-01	2.14E+02	2.14E+00	8.80E-04	3.47E-01	8.62E-02	2.58E+00	2.40E+00	2.08E+02	3.47E+00	4.41E-01	2.15E+02
4582	489863.09	3859377.25	25.3398	15.594	46.99	6.80638	1.93E+00	1.66E+02	5.20E+00	3.89E-01	1.74E+02	1.88E+00	7.03E-04	5.20E-01	7.62E-02	2.47E+00	2.10E+00	1.66E+02	5.20E+00	3.89E-01	1.74E+02
4583	490363.09	3859377.25	22.757	12.3074	51.111	6.73114	1.73E+00	1.31E+02	5.65E+00	3.85E-01	1.39E+02	1.68E+00	5.55E-04	5.65E-01	7.54E-02	2.33E+00	1.89E+00	1.31E+02	5.65E+00	3.85E-01	1.39E+02
4584	490863.09	3859377.25	20.7362	7.90286	43.248	6.73561	1.58E+00	8.43E+01	4.78E+00	3.85E-01	9.11E+01	1.54E+00	3.56E-04	4.78E-01	7.54E-02	2.09E+00	1.72E+00	8.43E+01	4.78E+00	3.85E-01	9.12E+01
4585	491363.09	3859377.25	25.8759	5.23819	64.426	13.59892	1.97E+00	5.59E+01	7.12E+00	7.78E-01	6.58E+01	1.92E+00	2.36E-04	7.12E-01	1.52E-01	2.78E+00	2.15E+00	5.59E+01	7.12E+00	7.78E-01	6.59E+01
4586	491863.09	3859377.25	21.7119	5.08058	37.545	8.29439	1.65E+00	5.42E+01	4.15E+00	4.74E-01	6.05E+01	1.61E+00	2.29E-04	4.15E-01	9.29E-02	2.12E+00	1.80E+00	5.42E+01	4.15E+00	4.74E-01	6.06E+01
4587	492363.09	3859377.25	18.642	4.91539	41.96	7.90616	1.42E+00	5.25E+01	4.64E+00	4.52E-01	5.90E+01	1.38E+00	2.22E-04	4.64E-01	8.85E-02	1.93E+00	1.55E+00	5.25E+01	4.64E+00	4.52E-01	5.91E+01
4588	492863.09	3859377.25	16.3275	4.97456	48.083	7.12148	1.24E+00	5.31E+01	5.32E+00	4.07E-01	6.01E+01	1.21E+00	2.24E-04	5.32E-01	7.97E-02	1.82E+00	1.36E+00	5.31E+01	5.32E+00	4.07E-01	6.02E+01
4589	493363.09	3859377.25	14.4499	4.68106	64.226	7.72918	1.10E+00	5.00E+01	7.10E+00	4.42E-01	5.86E+01	1.07E+00	2.11E-04	7.10E-01	8.65E-02	1.87E+00	1.20E+00	5.00E+01	7.10E+00	4.42E-01	5.87E+01
4590	493863.09	3859377.25	12.7453	4.62011	57.042	8.26959	9.71E-01	4.93E+01	6.31E+00	4.73E-01	5.71E+01	9.44E-01	2.08E-04	6.31E-01	9.26E-02	1.67E+00	1.06E+00	4.93E+01	6.31E+00	4.73E-01	5.71E+01
4591	494363.09	3859377.25	12.2145	2.84368	75.389	8.78608	9.31E-01	3.03E+01	8.34E+00	5.02E-01	4.01E+01	9.04E-01	1.28E-04	8.34E-01	9.84E-02	1.84E+00	1.01E+00	3.03E+01	8.34E+00	5.02E-01	4.02E+01
4592	494863.09	3859377.25	10.132	2.58331	93.847	9.52163	7.72E-01	2.76E+01	1.04E+01	5.44E-01	3.93E+01	7.50E-01	1.16E-04	1.04E+00	1.07E-01	1.89E+00	8.41E-01	2.76E+01	1.04E+01	5.44E-01	3.93E+01
4593	495363.09	3859377.25	9.1812	2.79774	77.396	9.10746	7.00E-01	2.99E+01	8.56E+00	5.21E-01	3.96E+01	6.80E-01	1.26E-04	8.56E-01	1.02E-01	1.64E+00	7.62E-01	2.99E+01	8.56E+00	5.21E-01	3.97E+01
4594	495863.09	3859377.25	7.58723	2.95843	55.47	7.25238	5.78E-01	3.16E+01	6.13E+00	4.15E-01	3.87E+01	5.62E-01	1.33E-04	6.13E-01	8.12E-02	1.26E+00	6.30E-01	3.16E+01	6.13E+00	4.15E-01	3.87E+01
4595	496363.09	3859377.25	7.71611	3.0602	46.338	6.88407	5.88E-01	3.27E+01	5.12E+00	3.94E-01	3.88E+01	5.71E-01	1.38E-04	5.12E-01	7.71E-02	1.16E+00	6.41E-01	3.27E+01	5.12E+00	3.94E-01	3.88E+01
4596	496863.09	3859377.25	6.49735	2.28938	43.207	4.17715	4.95E-01	2.44E+01	4.78E+00	2.39E-01	2.99E+01	4.81E-01	1.03E-04	4.78E-01	4.68E-02	1.01E+00	5.39E-01	2.44E+01	4.78E+00	2.39E-01	3.00E+01
4597	497363.09	3859377.25	7.17179	3.05128	57.146	5.81737	5.47E-01	3.26E+01	6.32E+00	3.33E-01	3.98E+01	5.31E-01	1.38E-04	6.32E-01	6.51E-02	1.23E+00	5.95E-01	3.26E+01	6.32E+00	3.33E-01	3.98E+01
4598	497863.09	3859377.25	7.72065	2.97796	61.684	7.63503	5.88E-01	3.18E+01	6.82E+00	4.37E-01	3.96E+01	5.72E-01	1.34E-04	6.82E-01	8.55E-02	1.34E+00	6.41E-01	3.18E+01	6.82E+00	4.37E-01	3.97E+01
4599	498363.09	3859377.25	7.77995	4.58596	42.282	6.54044	5.93E-01	4.89E+01	4.67E+00	3.74E-01	5.46E+01	5.76E-01	2.07E-04	4.67E-01	7.32E-02	1.12E+00	6.46E-01	4.89E+01	4.67E+00	3.74E-01	5.46E+01
4600	471363.09	3859877.25	5.59497	1.97854	24.806	4.77357	4.26E-01	2.11E+01	2.74E+00	2.73E-01	2.46E+01	4.14E-01	8.92E-05	2.74E-01	5.34E-02	7.42E-01	4.65E-01	2.11E+01	2.74E+00	2.73E-01	2.46E+01
4601	471863.09	3859877.25	5.62082	2.17822	22.984	4.46337	4.28E-01	2.32E+01	2.54E+00	2.55E-01	2.65E+01	4.16E-01	9.82E-05	2.54E-01	5.00E-02	7.20E-01	4.67E-01	2.32E+01	2.54E+00	2.55E-01	2.65E+01
4602	472363.09	3859877.25	5.61764	2.34908	21.53	3.99081	4.28E-01	2.51E+01	2.38E+00	2.28E-01	2.81E+01	4.16E-01	1.06E-04	2.38E-01	4.47E-02	6.99E-01	4.66E-01	2.51E+01	2.38E+00	2.28E-01	2.81E+01
4603	472863.09	3859877.25	5.6402	2.47899	18.748	3.25586	4.30E-01	2.65E+01	2.07E+00	1.86E-01	2.91E+01	4.18E-01	1.12E-04	2.07E-01	3.64E-02	6.61E-01	4.68E-01	2.65E+01	2.07E+00	1.86E-01	2.92E+01
4604	473363.09	3859877.25	5.65574	2.54642	16.213	3.58775	4.31E-01	2.72E+01	1.79E+00	2.05E-01	2.96E+01	4.19E-01	1.15E-04	1.79E-01	4.02E-02	6.38E-01	4.70E-01	2.72E+01	1.79E+00	2.05E-01	2.96E+01
4605	473863.09	3859877.25	5.64106	2.53777	16.63	4.47771	4.30E-01	2.71E+01	1.84E+00	2.56E-01	2.96E+01	4.18E-01	1.14E-04	1.84E-01	5.01E-02	6.52E-01	4.68E-01	2.71E+01	1.84E+00	2.56E-01	2.96E+01
4606	474363.09	3859877.25	5.50686	1.6455	72.807	13.14101	4.20E-01	1.76E+01	8.05E+00	7.51E-01	2.68E+01	4.08E-01	7.42E-05	8.05E-01	1.47E-01	1.36E+00	4.57E-01	1.76E+01	8.05E+00	7.51E-01	2.68E+01
4607	474863.09	3859877.25	5.38067	1.16695	93.335	12.16149	4.10E-01	1.25E+01	1.03E+01	6.95E-01	2.39E+01	3.98E-01	5.26E-05	1.03E+00	1.36E-01	1.57E+00	4.47E-01	1.25E+01	1.03E+01	6.95E-01	2.39E+01
4608	475363.09	3859877.25	2.69002	1.19407	24.699	3.07201	2.05E-01	1.27E+01	2.73E+00	1.76E-01	1.59E+01	1.99E-01	5.38E-05	2.73E-01	3.44E-02	5.07E-01	2.23E-01	1.27E+01	2.73E+00	1.76E-01	1.59E+01
4609	475863.09	3859877.25	2.48414	1.05356	10.483	2.60965	1.89E-01	1.12E+01	1.16E+00	1.49E-01	1.27E+01	1.84E-01	4.75E-05	1.16E-01	2.92E-02	3.29E-01	2.06E-01	1.12E+01	1.16E+00	1.49E-01	1.28E+01
4610	476363.09	3859877.25	2.25442	0.76032	11.545	2.50403	1.72E-01	8.11E+00	1.28E+00	1.43E-01	9.71E+00	1.67E-01	3.43E-05	1.28E-01	2.80E-02	3.23E-01	1.87E-01	8.11E+00	1.28E+00	1.43E-01	9.72E+00
4611	476863.09	3859877.25	2.26069	0.78606	12.366	2.39233	1.72E-01	8.39E+00	1.37E+00	1.37E-01	1.01E+01	1.67E-01	3.54E-05	1.37E-01	2.68E-02	3.31E-01	1.88E-01	8.39E+00	1.37E+00	1.37E-01	1.01E+01
4612	477363.09	3859877.25	2.25075	0.93612	13.248	2.18712	1.72E-01	9.99E+00	1.46E+00	1.25E-01	1.18E+01	1.67E-01	4.22E-05	1.46E-01	2.45E-02	3.38E-01	1.87E-01	9.99E+00	1.46E+00	1.25E-01	1.18E+01
4613	477863.09	3859877.25	2.38665	1.06005	14.921	2.7772	1.82E-01	1.13E+01	1.65E+00	1.59E-01	1.33E+01	1.77E-01	4.78E-05	1.65E-01	3.11E-02	3.73E-01	1.98E-01	1.13E+01	1.65E+00	1.59E-01	1.33E+01
4614	478363.09	3859877.25	2.87506	1.46066	45.492	5.13612	2.19E-01	1.56E+01	5.03E+00	2.94E-01	2.11E+01	2.13E-01	6.58E-05	5.03E-01	5.75E-02	7.73E-01	2.39E-01	1.56E+01	5.03E+00	2.94E-01	2.11E+01
4615	478863.09	3859877.25	4.31148	1.50349	145.3	10.11289	3.29E-01	1.60E+01	1.61E+01	5.78E-01	3.30E+01	3.19E-01	6.78E-05	1.61E+00	1.13E-01	2.04E+00	3.58E-01	1.60E+01	1.61E+01	5.78E-01	3.30E+01
4616	479363.09	3859877.25	5.93504	1.77784	115.99	12.13302	4.52E-01	1.90E+01	1.28E+01	6.94E-01	3.29E+01	4.39E-01	8.01E-05	1.28E+00	1.36E-01	1.86E+00	4.93E-01	1.90E+01	1.28E+01	6.94E-01	3.30E+01
4617	479863.09	3859877.25	6.5865	2.85724	48.003	9.9126	5.02E-01	3.05E+01	5.31E+00	5.67E-01	3.69E+01	4.88E-01	1.29E-04	5.31E-01	1.11E-01	1.13E+00	5.47E-01	3.05E+01	5.31E+00	5.67E-01	3.69E+01
4618	480363.09	3859877.25	6.62889	3.89074	28.283	3.62346	5.05E-01	4.15E+01	3.13E+00	2.07E-01	4.54E+01	4.91E-01	1.75E-04	3.13E-01	4.06E-02	8.44E-01	5.50E-01	4.15E+01	3.13E+00	2.07E-01	4.54E+01
4619	480863.09	3859877.25	6.65504	4.42772	29.38	3.42072	5.07E-01	4.73E+01	3.25E+00	1.96E-01	5.12E+01	4.93E-01	2.00E-04	3.25E-01	3.83E-02	8.56E-01	5.53E-01	4.73E+01	3.25E+00	1.96E-01	5.12E+01
4620	481363.09	3859877.25	6.93759	4.78868	27.287	3.56351	5.29E-01	5.11E+01	3.02E+00	2.04E-01	5.49E+01	5.14E-01	2.16E-04	3.02E-01	3.99E-02	8.55E-01	5.76E-01	5.11E+01	3.02E+00	2.04E-01	5.49E+01
4621	481863.09	3859877.25	7.19659	4.99003	23.275	3.71145	5.49E-01	5.33E+01	2.57E+00	2.12E-01	5.66E+01	5.33E-01	2.25E-04	2.57E-01	4.15E-02	8.32E-01	5.97E-01	5.33E+01	2.57E+00	2.12E-01	5.66E+01
4622	482363.09	3859877.25	7.47217	5.58309	23.063	3.87196	5.70E-01	5.96E+01	2.55E+00	2.21E-01	6.29E+01	5.53E-01	2.52E-04	2.55E-01	4.33E-02	8.52E-01	6.20E-01	5.96E+01	2.55E+00	2.21E-01	6.30E+01
4623	482863.09	3859877.25	7.7648	6.33366	27.415	4.04339	5.92E-01	6.76E+01	3.03E+00	2.31E-01	7.14E+01	5.75E-01	2.86E-04	3.03E-01	4.53E-02	9.24E-01	6.45E-01	6.76E+01	3.03E+00	2.31E-01	7.15E+01
4624	483363.09	3859877.25	7.86736	7.35763	33.321	5.19829	6.00E-01	7.85E+01	3.68E+00	2.97E-01	8.31E+01	5.82E-01	3.32E-04	3.68E-01	5.82E-02	1.01E+00	6.53E-01	7.85E+01	3.68E+00	2.97E-01	8.32E+01
4625	483863.09	3859877.25	7.64913	9.1208	35.443	6.04976	5.83E-01	9.73E+01	3.92E+00	3.46E-01	1.02E+02	5.66E-01	4.11E-04	3.92E-01	6.77E-02	1.03E+00	6.35E-01	9.73E+01	3.92E+00	3.46E-01	1.02E+02
4626	484363.09	3859877.25	8.5615	9.6134	32.764	4.69367	6.53E-01	1.03E+02	3.62E+00	2.68E-01	1.07E+02	6.34E-01	4.33E-04	3.62E-01	5.25E-02	1.05E+00	7.11E-01	1.03E+02	3.62E+00	2.68E-01	1.07E+02
4627	484863.09	3859877.25	9.24782	9.80836	27.941	5.80177	7.05E-01	1.05E+02	3.09E+00	3.32E-01	1.09E+02	6.85E-01	4.42E-04	3.09E-01	6.49E-02	1.06E+00	7.68E-01	1.05E+02	3.09E+00	3.32E-01	1.09E+02
4628	485363.09	3859877.25	9.549	9.85174	34.417	5.92937	7.28E-01	1.05E+02	3.81E+00	3.39E-01	1.10E+02	7.07E-01	4.44E-04	3.81E-01	6.64E-02	1.15E+00	7.93E-01	1.05E+02	3.81E+00	3.39E-01	1.10E+02
4629	485863.09	3859877.25	10.1287	12.5804	34.443	6.9144	7.72E-01	1.34E+02	3.81E+00	3.95E-01	1.39E+02	7.50E-01	5.67E-04	3.81E-01	7.74E-02	1.21E+00	8.41E-01	1.34E+02	3.81E+00	3.95E-01	1.39E+02
4630	486363.09	3859877.25	10.8171	11.4987	30.853	8.43168	8.24E-01	1.23E+02	3.41E+00	4.82E-01	1.27E+02	8.01E-01	5.18E-04	3.41E-01	9.44E-02	1.24E+00	8.98E-01	1.23E+02	3.41E+00	4.82E-01	1.28E+02
4631	486863.09	3859877.25	13.4379	14.9784	19.267	12.49435	1.02E+00	1.60E+02	2.13E+00	7.14E-01	1.64E+02	9.95E-01	6.75E-04	2.13E-01	1.40E-01	1.35E+00	1.12E+00	1.60E+02	2.13E+00	7.14E-01	1.64E+02
4632	487363.09	3859877.25	15.5575	31.4085	19.415	10.64177	1.19E+00	3.35E+02	2.15E+00	6.09E-01	3.39E+02	1.15E+00	1.42E-03	2.15E-01	1.19E-01	1.49E+00	1.29E+00	3.35E+02	2.15E+00	6.09E-01	3.39E+02

4633	487863.09	3859877.25	26.2033	40.1545	40.88	7.87284	2.00E+00	4.29E+02	4.52E+00	4.50E-01	4.35E+02	1.94E+00	1.81E-03	4.52E-01	8.81E-02	2.48E+00	2.18E+00	4.29E+02	4.52E+00	4.50E-01	4.36E+02
4634	488363.09	3859877.25	33.1141	39.2929	31.39	20.34093	2.52E+00	4.19E+02	3.47E+00	1.16E+00	4.26E+02	2.45E+00	1.77E-03	3.47E-01	2.28E-01	3.03E+00	2.75E+00	4.19E+02	3.47E+00	1.16E+00	4.27E+02
4635	488863.09	3859877.25	25.6825	24.9536	34.272	30.08736	1.96E+00	2.66E+02	3.79E+00	1.72E+00	2.74E+02	1.90E+00	1.12E-03	3.79E-01	3.37E-01	2.62E+00	2.13E+00	2.66E+02	3.79E+00	1.72E+00	2.74E+02
4636	489363.09	3859877.25	24.9664	26.4922	34.098	20.75679	1.90E+00	2.83E+02	3.77E+00	1.19E+00	2.90E+02	1.85E+00	1.19E-03	3.77E-01	2.32E-01	2.46E+00	2.07E+00	2.83E+02	3.77E+00	1.19E+00	2.90E+02
4637	489863.09	3859877.25	24.308	20.512	29.993	13.74996	1.85E+00	2.19E+02	3.32E+00	7.86E-01	2.25E+02	1.80E+00	9.25E-04	3.32E-01	1.54E-01	2.29E+00	2.02E+00	2.19E+02	3.32E+00	7.86E-01	2.25E+02
4638	490363.09	3859877.25	21.3278	14.1457	37.553	9.41883	1.63E+00	1.51E+02	4.15E+00	5.39E-01	1.57E+02	1.58E+00	6.38E-04	4.15E-01	1.05E-01	2.10E+00	1.77E+00	1.51E+02	4.15E+00	5.39E-01	1.57E+02
4639	490863.09	3859877.25	20.2617	11.4924	37.641	7.13365	1.54E+00	1.23E+02	4.16E+00	4.08E-01	1.29E+02	1.50E+00	5.18E-04	4.16E-01	7.99E-02	2.00E+00	1.68E+00	1.23E+02	4.16E+00	4.08E-01	1.29E+02
4640	491363.09	3859877.25	17.9656	10.3227	42.649	6.6431	1.37E+00	1.10E+02	4.72E+00	3.80E-01	1.17E+02	1.33E+00	4.65E-04	4.72E-01	7.44E-02	1.88E+00	1.49E+00	1.10E+02	4.72E+00	3.80E-01	1.17E+02
4641	491863.09	3859877.25	17.6827	8.8334	38.363	6.26086	1.35E+00	9.43E+01	4.24E+00	3.58E-01	1.00E+02	1.31E+00	3.98E-04	4.24E-01	7.01E-02	1.80E+00	1.47E+00	9.43E+01	4.24E+00	3.58E-01	1.00E+02
4642	492363.09	3859877.25	17.4501	8.10896	32.812	5.90253	1.33E+00	8.65E+01	3.63E+00	3.38E-01	9.18E+01	1.29E+00	3.66E-04	3.63E-01	6.61E-02	1.72E+00	1.45E+00	8.65E+01	3.63E+00	3.38E-01	9.20E+01
4643	492863.09	3859877.25	16.2175	6.84633	35.247	5.54003	1.24E+00	7.31E+01	3.90E+00	3.17E-01	7.85E+01	1.20E+00	3.09E-04	3.90E-01	6.20E-02	1.65E+00	1.35E+00	7.31E+01	3.90E+00	3.17E-01	7.86E+01
4644	493363.09	3859877.25	14.2694	5.99681	32.711	5.24119	1.09E+00	6.40E+01	3.62E+00	3.00E-01	6.90E+01	1.06E+00	2.70E-04	3.62E-01	5.87E-02	1.48E+00	1.18E+00	6.40E+01	3.62E+00	3.00E-01	6.91E+01
4645	493863.09	3859877.25	12.5921	5.41525	30.03	4.96959	9.60E-01	5.78E+01	3.32E+00	2.84E-01	6.24E+01	9.32E-01	2.44E-04	3.32E-01	5.56E-02	1.32E+00	1.05E+00	5.78E+01	3.32E+00	2.84E-01	6.24E+01
4646	494363.09	3859877.25	12.7818	4.68712	39.674	6.21594	9.74E-01	5.00E+01	4.39E+00	3.55E-01	5.57E+01	9.46E-01	2.11E-04	4.39E-01	6.96E-02	1.45E+00	1.06E+00	5.00E+01	4.39E+00	3.55E-01	5.58E+01
4647	494863.09	3859877.25	11.3693	4.62481	39.724	6.58745	8.67E-01	4.94E+01	4.39E+00	3.77E-01	5.50E+01	8.42E-01	2.08E-04	4.39E-01	7.37E-02	1.35E+00	9.44E-01	4.94E+01	4.39E+00	3.77E-01	5.51E+01
4648	495363.09	3859877.25	11.1881	4.52596	40.002	8.14643	8.53E-01	4.83E+01	4.42E+00	4.66E-01	5.40E+01	8.28E-01	2.04E-04	4.42E-01	9.12E-02	1.36E+00	9.29E-01	4.83E+01	4.42E+00	4.66E-01	5.41E+01
4649	495863.09	3859877.25	10.8813	4.40451	48.239	9.40335	8.29E-01	4.70E+01	5.33E+00	5.38E-01	5.37E+01	8.06E-01	1.99E-04	5.33E-01	1.05E-01	1.44E+00	9.03E-01	4.70E+01	5.33E+00	5.38E-01	5.38E+01
4650	496363.09	3859877.25	9.90591	2.46778	72.785	9.12424	7.55E-01	2.63E+01	8.05E+00	5.22E-01	3.57E+01	7.33E-01	1.11E-04	8.05E-01	1.02E-01	1.64E+00	8.22E-01	2.63E+01	8.05E+00	5.22E-01	3.57E+01
4651	496863.09	3859877.25	5.85471	2.06886	42.121	3.73682	4.46E-01	2.21E+01	4.66E+00	2.14E-01	2.74E+01	4.33E-01	9.33E-05	4.66E-01	4.18E-02	9.41E-01	4.86E-01	2.21E+01	4.66E+00	2.14E-01	2.74E+01
4652	497363.09	3859877.25	7.79847	2.59543	71.68	8.64467	5.94E-01	2.77E+01	7.93E+00	4.94E-01	3.67E+01	5.77E-01	1.17E-04	7.93E-01	9.68E-02	1.47E+00	6.47E-01	2.77E+01	7.93E+00	4.94E-01	3.68E+01
4653	497863.09	3859877.25	8.70999	3.85258	34.377	8.04648	6.64E-01	4.11E+01	3.80E+00	4.60E-01	4.60E+01	6.45E-01	1.74E-04	3.80E-01	9.01E-02	1.12E+00	7.23E-01	4.11E+01	3.80E+00	4.60E-01	4.61E+01
4654	498363.09	3859877.25	7.43206	4.15936	26.054	4.15539	5.66E-01	4.44E+01	2.88E+00	2.38E-01	4.81E+01	5.50E-01	1.87E-04	2.88E-01	4.65E-02	8.85E-01	6.17E-01	4.44E+01	2.88E+00	2.38E-01	4.81E+01
4655	471363.09	3860377.25	5.64016	2.48318	19.64	3.50939	4.30E-01	2.65E+01	2.17E+00	2.01E-01	2.93E+01	4.18E-01	1.12E-04	2.17E-01	3.93E-02	6.74E-01	4.68E-01	2.65E+01	2.17E+00	2.01E-01	2.93E+01
4656	471863.09	3860377.25	5.63008	2.50954	20.928	3.58648	4.29E-01	2.68E+01	2.31E+00	2.05E-01	2.97E+01	4.17E-01	1.13E-04	2.31E-01	4.01E-02	6.88E-01	4.67E-01	2.68E+01	2.31E+00	2.05E-01	2.98E+01
4657	472363.09	3860377.25	5.62053	2.46427	20.074	4.011	4.28E-01	2.63E+01	2.22E+00	2.29E-01	2.92E+01	4.16E-01	1.11E-04	2.22E-01	4.49E-02	6.83E-01	4.67E-01	2.63E+01	2.22E+00	2.29E-01	2.92E+01
4658	472863.09	3860377.25	5.5879	2.34351	17.495	4.28193	4.26E-01	2.50E+01	1.93E+00	2.45E-01	2.76E+01	4.14E-01	1.06E-04	1.93E-01	4.79E-02	6.55E-01	4.64E-01	2.50E+01	1.93E+00	2.45E-01	2.77E+01
4659	473363.09	3860377.25	5.48042	2.44343	16.787	4.16695	4.18E-01	2.61E+01	1.86E+00	2.38E-01	2.86E+01	4.06E-01	1.10E-04	1.86E-01	4.66E-02	6.38E-01	4.55E-01	2.61E+01	1.86E+00	2.38E-01	2.86E+01
4660	473863.09	3860377.25	5.23722	2.51467	19.463	4.93543	3.99E-01	2.68E+01	2.15E+00	2.82E-01	2.97E+01	3.88E-01	1.13E-04	2.15E-01	5.52E-02	6.58E-01	4.35E-01	2.68E+01	2.15E+00	2.82E-01	2.97E+01
4661	474363.09	3860377.25	4.8316	2.35989	34.048	7.29156	3.68E-01	2.52E+01	3.76E+00	4.17E-01	2.97E+01	3.58E-01	1.06E-04	3.76E-01	8.16E-02	8.16E-01	4.01E-01	2.52E+01	3.76E+00	4.17E-01	2.98E+01
4662	474863.09	3860377.25	4.70773	2.00254	102.59	15.0745	3.59E-01	2.14E+01	1.13E+01	8.62E-01	3.39E+01	3.49E-01	9.03E-05	1.13E+00	1.69E-01	1.65E+00	3.91E-01	2.14E+01	1.13E+01	8.62E-01	3.40E+01
4663	475363.09	3860377.25	4.16657	1.42705	130.99	10.44692	3.18E-01	1.52E+01	1.45E+01	5.97E-01	3.06E+01	3.08E-01	6.43E-05	1.45E+00	1.17E-01	1.87E+00	3.46E-01	1.52E+01	1.45E+01	5.97E-01	3.07E+01
4664	475863.09	3860377.25	3.54999	1.43071	88.714	3.83562	2.71E-01	1.53E+01	9.81E+00	2.19E-01	2.56E+01	2.63E-01	6.45E-05	9.81E-01	4.29E-02	1.29E+00	2.95E-01	1.53E+01	9.81E+00	2.19E-01	2.56E+01
4665	476363.09	3860377.25	2.73868	1.42831	33.77	2.92957	2.09E-01	1.52E+01	3.73E+00	1.68E-01	1.94E+01	2.03E-01	6.44E-05	3.73E-01	3.28E-02	6.09E-01	2.27E-01	1.52E+01	3.73E+00	1.68E-01	1.94E+01
4666	476863.09	3860377.25	2.7156	1.42193	22.724	3.54388	2.07E-01	1.52E+01	2.51E+00	2.03E-01	1.81E+01	2.01E-01	6.41E-05	2.51E-01	3.97E-02	4.92E-01	2.25E-01	1.52E+01	2.51E+00	2.03E-01	1.81E+01
4667	477363.09	3860377.25	2.29624	0.85555	13.926	2.48899	1.75E-01	9.13E+00	1.54E+00	1.42E-01	1.10E+01	1.70E-01	3.86E-05	1.54E-01	2.79E-02	3.52E-01	1.91E-01	9.13E+00	1.54E+00	1.42E-01	1.10E+01
4668	477863.09	3860377.25	2.55279	0.88353	18.496	2.77129	1.95E-01	9.43E+00	2.04E+00	1.58E-01	1.18E+01	1.89E-01	3.98E-05	2.04E-01	3.10E-02	4.25E-01	2.12E-01	9.43E+00	2.04E+00	1.58E-01	1.18E+01
4669	478363.09	3860377.25	3.16509	1.36917	32.314	4.14573	2.41E-01	1.46E+01	3.57E+00	2.37E-01	1.87E+01	2.34E-01	6.17E-05	3.57E-01	4.64E-02	6.38E-01	2.63E-01	1.46E+01	3.57E+00	2.37E-01	1.87E+01
4670	478863.09	3860377.25	4.49059	1.62743	47.334	5.72594	3.42E-01	1.74E+01	5.23E+00	3.27E-01	2.33E+01	3.32E-01	7.34E-05	5.23E-01	6.41E-02	9.20E-01	3.73E-01	1.74E+01	5.23E+00	3.27E-01	2.33E+01
4671	479363.09	3860377.25	5.718	1.76564	53.19	8.46275	4.36E-01	1.88E+01	5.88E+00	4.84E-01	2.56E+01	4.23E-01	7.96E-05	5.88E-01	9.47E-02	1.11E+00	4.75E-01	1.88E+01	5.88E+00	4.84E-01	2.57E+01
4672	479863.09	3860377.25	5.69713	3.04222	34.391	5.75595	4.34E-01	3.25E+01	3.80E+00	3.29E-01	3.70E+01	4.22E-01	1.37E-04	3.80E-01	6.44E-02	8.67E-01	4.73E-01	3.25E+01	3.80E+00	3.29E-01	3.71E+01
4673	480363.09	3860377.25	6.16008	4.37888	19.963	3.96433	4.70E-01	4.67E+01	2.21E+00	2.27E-01	4.96E+01	4.56E-01	1.97E-04	2.21E-01	4.44E-02	7.21E-01	5.11E-01	4.67E+01	2.21E+00	2.27E-01	4.97E+01
4674	480863.09	3860377.25	6.41878	5.17076	19.966	3.66205	4.89E-01	5.52E+01	2.21E+00	2.09E-01	5.81E+01	4.75E-01	2.33E-04	2.21E-01	4.10E-02	7.37E-01	5.33E-01	5.52E+01	2.21E+00	2.09E-01	5.81E+01
4675	481363.09	3860377.25	6.62572	5.38082	21.801	3.63656	5.05E-01	5.74E+01	2.41E+00	2.08E-01	6.05E+01	4.91E-01	2.43E-04	2.41E-01	4.07E-02	7.73E-01	5.50E-01	5.74E+01	2.41E+00	2.08E-01	6.06E+01
4676	481863.09	3860377.25	6.83804	5.50581	26.105	3.75475	5.21E-01	5.88E+01	2.89E+00	2.15E-01	6.24E+01	5.06E-01	2.48E-04	2.89E-01	4.20E-02	8.37E-01	5.68E-01	5.88E+01	2.89E+00	2.15E-01	6.24E+01
4677	482363.09	3860377.25	7.0593	5.37037	29.636	3.89834	5.38E-01	5.73E+01	3.28E+00	2.23E-01	6.13E+01	5.23E-01	2.42E-04	3.28E-01	4.36E-02	8.94E-01	5.86E-01	5.73E+01	3.28E+00	2.23E-01	6.14E+01
4678	482863.09	3860377.25	7.02599	5.77095	30.733	4.02622	5.36E-01	6.16E+01	3.40E+00	2.30E-01	6.57E+01	5.20E-01	2.60E-04	3.40E-01	4.51E-02	9.05E-01	5.83E-01	6.16E+01	3.40E+00	2.30E-01	6.58E+01
4679	483363.09	3860377.25	7.20581	6.21496	28.326	5.58122	5.49E-01	6.63E+01	3.13E+00	3.19E-01	7.03E+01	5.33E-01	2.80E-04	3.13E-01	6.25E-02	9.09E-01	5.98E-01	6.63E+01	3.13E+00	3.19E-01	7.04E+01
4680	483863.09	3860377.25	7.4108	6.14238	26.834	5.76337	5.65E-01	6.55E+01	2.97E+00	3.30E-01	6.94E+01	5.49E-01	2.77E-04	2.97E-01	6.45E-02	9.10E-01	6.15E-01	6.56E+01	2.97E+00	3.30E-01	6.95E+01
4681	484363.09	3860377.25	8.79079	6.43663	29.474	4.55326	6.70E-01	6.87E+01	3.26E+00	2.60E-01	7.29E+01	6.51E-01	2.90E-04	3.26E-01	5.10E-02	1.03E+00	7.30E-01	6.87E+01	3.26E+00	2.60E-01	7.29E+01
4682	484863.09	3860377.25	9.22593	6.75527	29.288	4.77918	7.03E-01	7.21E+01	3.24E+00	2.73E-01	7.63E+01	6.83E-01	3.05E-04	3.24E-01	5.35E-02	1.06E+00	7.66E-01	7.21E+01	3.24E+00	2.73E-01	7.64E+01
4683	485363.09	3860377.25	9.13534	7.47599	34.186	5.04714	6.96E-01	7.98E+01	3.78E+00	2.89E-01	8.45E+01	6.76E-01	3.37E-04	3.78E-01	5.65E-02	1.11E+00	7.58E-01	7.98E+01	3.78E+00	2.89E-01	8.46E+01
4684	485863.09	3860377.25	9.39023	7.86151	30.866	6.4038	7.16E-01	8.39E+01	3.41E+00	3.66E-01	8.84E+01	6.95E-01	3.54E-04	3.41E-01	7.17E-02	1.11E+00	7.80E-01	8.39E+01	3.41E+00	3.66E-01	8.85E+01
4685	486363.09	3860377.25	9.75819	11.4722	27.969	8.55557	7.44E-01	1.22E+02	3.09E+00	4.89E-01	1.27E+02	7.22E-01	5.17E-04	3.09E-01	9.58E-02	1.13E+00	8.10E-01	1.22E+02	3.09E+00	4.89E-01	1.27E+02
4686	486863.09	3860377.25	11.1256	12.1496	21.805	10.06204	8.48E-01	1.30E+02	2.41E+00	5.75E-01	1.33E+02	8.24E-01	5.48E-04	2.41E-01	1.13E-01	1.18E+00	9.24E-01	1.30E+02	2.41E+00	5.75E-01	1.34E+02
4687	487363.09	3860377.25	13.4203	18.2782	27.067	9.29804	1.02E+00	1.95E+02	2.99E+00	5.32E-01	2.00E+02	9.94E-01	8.24E-04	2.99E-01	1.04E-01	1.40E+00	1.11E+00	1.95E+02	2.99E+00	5.32E-01	2.00E+02
4688	487863.09	3860377.25	14.8212	41.9932	53.884	4.94988	1.13E+00	4.48E+02	5.96E+00	2.83E-01	4.56E+02	1.10E+00	1.89E-03	5.96E-01	5.54E-02	1.75E+00	1.23E+00	4.48E+02	5.96E+00	2.83E-01	4.56E+02
4689	488363.09	3860377.25	28.0202	46.2106	31.697	15.96812	2.14E+00	4.93E+02	3.50E+00	9.13E-01	5.00E+02	2.07E+00	2.08E-03	3.50E-01	1.79E-01	2.61E+00	2.33E+00	4.93E+02	3.50E+00	9.13E-01	5.00E+02
4690	488863.09	3860377.25	24.4317	41.6714	18.214	30.59159	1.86E+00	4.45E+02	2.01E+00	1.75E+00	4.50E+02	1.81E+00	1.88E-03	2.01E-01	3.42E-01	2.35E+00	2.03E+00	4.45E+02	2.01E+00	1.75E+00	4.50E+02
4691	489363.09	3860377.25	21.727	22.1447	33.836	18.58375	1.66E+00	2.36E+02	3.74E+00	1.06E+00	2.43E+02	1.61E+00	9.98E-04	3.74E-01	2.08E-01	2.19E+00	1.80E+00	2.36E+02	3.74E+00	1.06E+00	2.43E+02
4692	489863.09	3860377.25	21.2923	18.4178	32.791	8.88317	1.62E+00	1.97E+02	3.63E+00	5.08E-01	2.02E+02	1.58E+00	8.30E-04	3.63E-01	9.94E-02	2.04E+00	1.77E+00	1.97E+02	3.63E+00	5.08E-01	2.02E+02
4693	490363.09	3860377.25	20.4181	18.5077	31.915	11.34311	1.56E+00	1.98E+02	3.53E+00	6.49E-01	2.03E+02	1.51E+00	8.34E-04	3.53E-01	1.27E-01	1.99E+00	1.70E+00	1.98E+02	3.53E+00	6.49E-01	2.03E+02

4694	490863.09	3860377.25	18.5946	15.0967	30.24	7.82099	1.42E+00	1.61E+02	3.34E+00	4.47E-01	1.66E+02	1.38E+00	6.81E-04	3.34E-01	8.76E-02	1.80E+00	1.54E+00	1.61E+02	3.34E+00	4.47E-01	1.66E+02
4695	491363.09	3860377.25	16.829	11.5017	30.24	5.57839	1.28E+00	1.23E+02	3.34E+00	3.19E-01	1.28E+02	1.25E+00	5.18E-04	3.34E-01	6.24E-02	1.64E+00	1.40E+00	1.23E+02	3.34E+00	3.19E-01	1.28E+02
4696	491863.09	3860377.25	14.7887	9.29069	34.082	5.1878	1.13E+00	9.91E+01	3.77E+00	2.97E-01	1.04E+02	1.09E+00	4.19E-04	3.77E-01	5.81E-02	1.53E+00	1.23E+00	9.91E+01	3.77E+00	2.97E-01	1.04E+02
4697	492363.09	3860377.25	14.3818	8.5088	34.684	5.02606	1.10E+00	9.08E+01	3.83E+00	2.87E-01	9.60E+01	1.06E+00	3.84E-04	3.83E-01	5.63E-02	1.50E+00	1.19E+00	9.08E+01	3.83E+00	2.87E-01	9.61E+01
4698	492863.09	3860377.25	15.2427	7.65696	32.687	4.77814	1.16E+00	8.17E+01	3.61E+00	2.73E-01	8.68E+01	1.13E+00	3.45E-04	3.61E-01	5.35E-02	1.54E+00	1.27E+00	8.17E+01	3.61E+00	2.73E-01	8.69E+01
4699	493363.09	3860377.25	14.0971	7.47576	30.227	4.48995	1.07E+00	7.98E+01	3.34E+00	2.57E-01	8.45E+01	1.04E+00	3.37E-04	3.34E-01	5.03E-02	1.43E+00	1.17E+00	7.98E+01	3.34E+00	2.57E-01	8.45E+01
4700	493863.09	3860377.25	13.4602	6.76658	37.054	4.55064	1.03E+00	7.22E+01	4.10E+00	2.60E-01	7.76E+01	9.97E-01	3.05E-04	4.10E-01	5.09E-02	1.46E+00	1.12E+00	7.22E+01	4.10E+00	2.60E-01	7.77E+01
4701	494363.09	3860377.25	12.2628	6.1904	31.584	4.31094	9.35E-01	6.61E+01	3.49E+00	2.47E-01	7.07E+01	9.08E-01	2.79E-04	3.49E-01	4.83E-02	1.31E+00	1.02E+00	6.61E+01	3.49E+00	2.47E-01	7.08E+01
4702	494863.09	3860377.25	10.6346	5.78241	30.19	3.92652	8.11E-01	6.17E+01	3.34E+00	2.25E-01	6.61E+01	7.87E-01	2.61E-04	3.34E-01	4.40E-02	1.17E+00	8.83E-01	6.17E+01	3.34E+00	2.25E-01	6.62E+01
4703	495363.09	3860377.25	10.3806	5.55927	27.279	3.82012	7.91E-01	5.93E+01	3.02E+00	2.18E-01	6.34E+01	7.69E-01	2.51E-04	3.02E-01	4.28E-02	1.11E+00	8.62E-01	5.93E+01	3.02E+00	2.18E-01	6.34E+01
4704	495863.09	3860377.25	9.85498	4.54692	32.786	5.95215	7.51E-01	4.85E+01	3.62E+00	3.40E-01	5.32E+01	7.30E-01	2.05E-04	3.62E-01	6.66E-02	1.16E+00	8.18E-01	4.85E+01	3.62E+00	3.40E-01	5.33E+01
4705	496363.09	3860377.25	10.0919	3.2619	48.862	11.3507	7.69E-01	3.48E+01	5.40E+00	6.49E-01	4.16E+01	7.47E-01	1.47E-04	5.40E-01	1.27E-01	1.41E+00	8.38E-01	3.48E+01	5.40E+00	6.49E-01	4.17E+01
4706	496863.09	3860377.25	9.55625	2.92611	75.457	11.21235	7.28E-01	3.12E+01	8.34E+00	6.41E-01	4.09E+01	7.07E-01	1.32E-04	8.34E-01	1.26E-01	1.67E+00	7.93E-01	3.12E+01	8.34E+00	6.41E-01	4.10E+01
4707	497363.09	3860377.25	8.73159	2.67252	77.494	9.3172	6.66E-01	2.85E+01	8.57E+00	5.33E-01	3.83E+01	6.46E-01	1.20E-04	8.57E-01	1.04E-01	1.61E+00	7.25E-01	2.85E+01	8.57E+00	5.33E-01	3.83E+01
4708	497863.09	3860377.25	9.3614	2.61818	45.486	10.49032	7.14E-01	2.79E+01	5.03E+00	6.00E-01	3.43E+01	6.93E-01	1.18E-04	5.03E-01	1.17E-01	1.31E+00	7.77E-01	2.79E+01	5.03E+00	6.00E-01	3.43E+01
4709	498363.09	3860377.25	7.54979	4.1186	32.1	4.5349	5.75E-01	4.40E+01	3.55E+00	2.59E-01	4.83E+01	5.59E-01	1.86E-04	3.55E-01	5.08E-02	9.65E-01	6.27E-01	4.40E+01	3.55E+00	2.59E-01	4.84E+01
4710	471363.09	3860877.25	5.47968	2.33599	17.836	4.05839	4.18E-01	2.49E+01	1.97E+00	2.32E-01	2.76E+01	4.06E-01	1.05E-04	1.97E-01	4.54E-02	6.48E-01	4.55E-01	2.49E+01	1.97E+00	2.32E-01	2.76E+01
4711	471863.09	3860877.25	5.29248	2.37214	16.717	4.07712	4.03E-01	2.53E+01	1.85E+00	2.33E-01	2.78E+01	3.92E-01	1.07E-04	1.85E-01	4.56E-02	6.22E-01	4.39E-01	2.53E+01	1.85E+00	2.33E-01	2.78E+01
4712	472363.09	3860877.25	4.96877	2.41542	15.943	4.11148	3.79E-01	2.58E+01	1.76E+00	2.35E-01	2.82E+01	3.68E-01	1.09E-04	1.76E-01	4.60E-02	5.90E-01	4.13E-01	2.58E+01	1.76E+00	2.35E-01	2.82E+01
4713	472863.09	3860877.25	4.48793	2.54108	16.609	4.01882	3.42E-01	2.71E+01	1.84E+00	2.30E-01	2.95E+01	3.32E-01	1.15E-04	1.84E-01	4.50E-02	5.61E-01	3.73E-01	2.71E+01	1.84E+00	2.30E-01	2.96E+01
4714	473363.09	3860877.25	4.62136	2.59265	18.861	4.08847	3.52E-01	2.77E+01	2.09E+00	2.34E-01	3.03E+01	3.42E-01	1.17E-04	2.09E-01	4.58E-02	5.97E-01	3.84E-01	2.77E+01	2.09E+00	2.34E-01	3.04E+01
4715	473863.09	3860877.25	4.71493	2.59929	21.601	4.23019	3.59E-01	2.77E+01	2.39E+00	2.42E-01	3.07E+01	3.49E-01	1.17E-04	2.39E-01	4.74E-02	6.35E-01	3.91E-01	2.77E+01	2.39E+00	2.42E-01	3.08E+01
4716	474363.09	3860877.25	4.78495	2.52908	25.691	4.49813	3.65E-01	2.70E+01	2.84E+00	2.57E-01	3.05E+01	3.54E-01	1.14E-04	2.84E-01	5.04E-02	6.89E-01	3.97E-01	2.70E+01	2.84E+00	2.57E-01	3.05E+01
4717	474863.09	3860877.25	4.85595	2.45542	31.929	8.13535	3.70E-01	2.62E+01	3.53E+00	4.65E-01	3.06E+01	3.60E-01	1.11E-04	3.53E-01	9.11E-02	8.04E-01	4.03E-01	2.62E+01	3.53E+00	4.65E-01	3.06E+01
4718	475363.09	3860877.25	4.94419	2.13191	44.407	11.75659	3.77E-01	2.28E+01	4.91E+00	6.72E-01	2.87E+01	3.66E-01	9.61E-05	4.91E-01	1.32E-01	9.89E-01	4.10E-01	2.28E+01	4.91E+00	6.72E-01	2.87E+01
4719	475863.09	3860877.25	4.82246	1.61661	58.113	13.6177	3.68E-01	1.73E+01	6.43E+00	7.79E-01	2.48E+01	3.57E-01	7.29E-05	6.43E-01	1.52E-01	1.15E+00	4.00E-01	1.73E+01	6.43E+00	7.79E-01	2.49E+01
4720	476363.09	3860877.25	4.40622	1.57309	55.832	10.44347	3.36E-01	1.68E+01	6.17E+00	5.97E-01	2.39E+01	3.26E-01	7.09E-05	6.17E-01	1.17E-01	1.06E+00	3.66E-01	1.68E+01	6.17E+00	5.97E-01	2.39E+01
4721	476863.09	3860877.25	4.15774	1.6831	48.845	8.93522	3.17E-01	1.80E+01	5.40E+00	5.11E-01	2.42E+01	3.08E-01	7.59E-05	5.40E-01	1.00E-01	9.48E-01	3.45E-01	1.80E+01	5.40E+00	5.11E-01	2.42E+01
4722	477363.09	3860877.25	4.1736	1.78472	54.47	9.62073	3.18E-01	1.90E+01	6.02E+00	5.50E-01	2.59E+01	3.09E-01	8.05E-05	6.02E-01	1.08E-01	1.02E+00	3.46E-01	1.90E+01	6.02E+00	5.50E-01	2.60E+01
4723	477863.09	3860877.25	3.45495	1.8664	42.093	5.35946	2.63E-01	1.99E+01	4.65E+00	3.06E-01	2.51E+01	2.56E-01	8.41E-05	4.65E-01	6.00E-02	7.81E-01	2.87E-01	1.99E+01	4.65E+00	3.06E-01	2.52E+01
4724	478363.09	3860877.25	2.17575	1.10411	16.283	2.78009	1.66E-01	1.18E+01	1.80E+00	1.59E-01	1.39E+01	1.61E-01	4.98E-05	1.80E-01	3.11E-02	3.72E-01	1.81E-01	1.18E+01	1.80E+00	1.59E-01	1.39E+01
4725	478863.09	3860877.25	4.01009	1.98682	32.08	16.1345	3.06E-01	2.12E+01	3.55E+00	9.23E-01	2.60E+01	2.97E-01	8.96E-05	3.55E-01	1.81E-01	8.32E-01	3.33E-01	2.12E+01	3.55E+00	9.23E-01	2.60E+01
4726	479363.09	3860877.25	5.17029	2.73835	38.85	18.15739	3.94E-01	2.92E+01	4.30E+00	1.04E+00	3.50E+01	3.83E-01	1.23E-04	4.30E-01	2.03E-01	1.02E+00	4.29E-01	2.92E+01	4.30E+00	1.04E+00	3.50E+01
4727	479863.09	3860877.25	5.76663	3.18196	33.637	5.96385	4.40E-01	3.40E+01	3.72E+00	3.41E-01	3.85E+01	4.27E-01	1.43E-04	3.72E-01	6.68E-02	8.66E-01	4.79E-01	3.40E+01	3.72E+00	3.41E-01	3.85E+01
4728	480363.09	3860877.25	5.99494	4.06562	26.02	3.67534	4.57E-01	4.34E+01	2.88E+00	2.10E-01	4.69E+01	4.44E-01	1.83E-04	2.88E-01	4.11E-02	7.73E-01	4.98E-01	4.34E+01	2.88E+00	2.10E-01	4.70E+01
4729	480863.09	3860877.25	6.16356	4.48307	24.321	3.81491	4.70E-01	4.78E+01	2.69E+00	2.18E-01	5.12E+01	4.56E-01	2.02E-04	2.69E-01	4.27E-02	7.68E-01	5.12E-01	4.78E+01	2.69E+00	2.18E-01	5.13E+01
4730	481363.09	3860877.25	6.3308	4.66658	26.394	3.94648	4.83E-01	4.98E+01	2.92E+00	2.26E-01	5.34E+01	4.69E-01	2.10E-04	2.92E-01	4.42E-02	8.05E-01	5.26E-01	4.98E+01	2.92E+00	2.26E-01	5.35E+01
4731	481863.09	3860877.25	6.49139	4.55878	26.457	4.06695	4.95E-01	4.86E+01	2.93E+00	2.33E-01	5.23E+01	4.81E-01	2.06E-04	2.93E-01	4.55E-02	8.19E-01	5.39E-01	4.87E+01	2.93E+00	2.33E-01	5.23E+01
4732	482363.09	3860877.25	6.39357	4.43695	26.73	4.18986	4.87E-01	4.73E+01	2.96E+00	2.40E-01	5.10E+01	4.73E-01	2.00E-04	2.96E-01	4.69E-02	8.16E-01	5.31E-01	4.74E+01	2.96E+00	2.40E-01	5.11E+01
4733	482863.09	3860877.25	6.61514	4.79118	23.759	4.30308	5.04E-01	5.11E+01	2.63E+00	2.46E-01	5.45E+01	4.90E-01	2.16E-04	2.63E-01	4.82E-02	8.01E-01	5.49E-01	5.11E+01	2.63E+00	2.46E-01	5.46E+01
4734	483363.09	3860877.25	6.80079	5.00813	24.887	5.65127	5.18E-01	5.34E+01	2.75E+00	3.23E-01	5.70E+01	5.03E-01	2.26E-04	2.75E-01	6.33E-02	8.42E-01	5.65E-01	5.34E+01	2.75E+00	3.23E-01	5.71E+01
4735	483863.09	3860877.25	6.80453	5.26734	31.862	5.63639	5.19E-01	5.62E+01	3.52E+00	3.22E-01	6.06E+01	5.04E-01	2.37E-04	3.52E-01	6.31E-02	9.19E-01	5.65E-01	5.62E+01	3.52E+00	3.22E-01	6.06E+01
4736	484363.09	3860877.25	9.22846	6.25769	27.086	4.51469	7.03E-01	6.68E+01	2.99E+00	2.58E-01	7.07E+01	6.83E-01	2.82E-04	2.99E-01	5.05E-02	1.03E+00	7.66E-01	6.68E+01	2.99E+00	2.58E-01	7.08E+01
4737	484863.09	3860877.25	9.14692	7.06809	31.676	4.88017	6.97E-01	7.54E+01	3.50E+00	2.79E-01	7.99E+01	6.77E-01	3.19E-04	3.50E-01	5.46E-02	1.08E+00	7.59E-01	7.54E+01	3.50E+00	2.79E-01	8.00E+01
4738	485363.09	3860877.25	9.13369	7.93871	29.247	5.23578	6.96E-01	8.47E+01	3.23E+00	2.99E-01	8.89E+01	6.76E-01	3.58E-04	3.23E-01	5.86E-02	1.06E+00	7.58E-01	8.47E+01	3.23E+00	2.99E-01	8.90E+01
4739	485863.09	3860877.25	9.22339	8.56296	30.754	5.97516	7.03E-01	9.14E+01	3.40E+00	3.42E-01	9.58E+01	6.83E-01	3.86E-04	3.40E-01	6.69E-02	1.09E+00	7.66E-01	9.14E+01	3.40E+00	3.42E-01	9.59E+01
4740	486363.09	3860877.25	9.09229	9.02216	29.326	5.94681	6.93E-01	9.63E+01	3.24E+00	3.40E-01	1.01E+02	6.73E-01	4.07E-04	3.24E-01	6.66E-02	1.06E+00	7.55E-01	9.63E+01	3.24E+00	3.40E-01	1.01E+02
4741	486863.09	3860877.25	10.0526	11.3097	15.023	8.53003	7.66E-01	1.21E+02	1.66E+00	4.88E-01	1.24E+02	7.44E-01	5.10E-04	1.66E-01	9.55E-02	1.01E+00	8.35E-01	1.21E+02	1.66E+00	4.88E-01	1.24E+02
4742	487363.09	3860877.25	11.9795	15.6588	35.733	12.79197	9.13E-01	1.67E+02	3.95E+00	7.31E-01	1.73E+02	8.87E-01	7.06E-04	3.95E-01	1.43E-01	1.43E+00	9.95E-01	1.67E+02	3.95E+00	7.31E-01	1.73E+02
4743	487863.09	3860877.25	13.2164	19.4816	50.452	9.06917	1.01E+00	2.08E+02	5.58E+00	5.19E-01	2.15E+02	9.78E-01	8.78E-04	5.58E-01	1.02E-01	1.64E+00	1.10E+00	2.08E+02	5.58E+00	5.19E-01	2.15E+02
4744	488363.09	3860877.25	18.7578	35.9904	29.538	9.49358	1.43E+00	3.84E+02	3.27E+00	5.43E-01	3.89E+02	1.39E+00	1.62E-03	3.27E-01	1.06E-01	1.82E+00	1.56E+00	3.84E+02	3.27E+00	5.43E-01	3.89E+02
4745	488863.09	3860877.25	26.5015	31.4895	24.871	11.90355	2.02E+00	3.36E+02	2.75E+00	6.81E-01	3.41E+02	1.96E+00	1.42E-03	2.75E-01	1.33E-01	2.37E+00	2.20E+00	3.36E+02	2.75E+00	6.81E-01	3.42E+02
4746	489363.09	3860877.25	17.255	29.4951	28.705	17.03196	1.32E+00	3.15E+02	3.17E+00	9.74E-01	3.20E+02	1.28E+00	1.33E-03	3.17E-01	1.91E-01	1.79E+00	1.43E+00	3.15E+02	3.17E+00	9.74E-01	3.20E+02
4747	489863.09	3860877.25	18.2484	20.6392	32.015	11.05517	1.39E+00	2.20E+02	3.54E+00	6.32E-01	2.26E+02	1.35E+00	9.30E-04	3.54E-01	1.24E-01	1.83E+00	1.51E+00	2.20E+02	3.54E+00	6.32E-01	2.26E+02
4748	490363.09	3860877.25	18.0043	15.8125	32.391	9.22339	1.37E+00	1.69E+02	3.58E+00	5.27E-01	1.74E+02	1.33E+00	7.13E-04	3.58E-01	1.03E-01	1.79E+00	1.49E+00	1.69E+02	3.58E+00	5.27E-01	1.74E+02
4749	490863.09	3860877.25	17.3687	15.4413	30.426	8.82418	1.32E+00	1.65E+02	3.36E+00	5.05E-01	1.70E+02	1.29E+00	6.96E-04	3.36E-01	9.88E-02	1.72E+00	1.44E+00	1.65E+02	3.36E+00	5.05E-01	1.70E+02
4750	491363.09	3860877.25	15.8629	14.0299	28.295	7.68857	1.21E+00	1.50E+02	3.13E+00	4.40E-01	1.54E+02	1.17E+00	6.32E-04	3.13E-01	8.61E-02	1.57E+00	1.32E+00	1.50E+02	3.13E+00	4.40E-01	1.55E+02
4751	491863.09	3860877.25	14.0849	12.1408	27.225	6.42438	1.07E+00	1.30E+02	3.01E+00	3.67E-01	1.34E+02	1.04E+00	5.47E-04	3.01E-01	7.19E-02	1.42E+00	1.17E+00	1.30E+02	3.01E+00	3.67E-01	1.34E+02
4752	492363.09	3860877.25	13.3475	9.5567	25.783	5.4972	1.02E+00	1.02E+02	2.85E+00	3.14E-01	1.06E+02	9.88E-01	4.31E-04	2.85E-01	6.15E-02	1.34E+00	1.11E+00	1.02E+02	2.85E+00	3.14E-01	1.06E+02
4753	492863.09	3860877.25	12.3574	8.20957	30.187	5.07337	9.42E-01	8.76E+01	3.34E+00	2.90E-01	9.22E+01	9.15E-01	3.70E-04	3.34E-01	5.68E-02	1.31E+00	1.03E+00	8.76E+01	3.34E+00	2.90E-01	9.23E+01
4754	493363.09	3860877.25	11.8198	7.38518	28.64	4.70083	9.01E-01	7.88E+01	3.17E+00	2.69E-01	8.31E+01	8.75E-01	3.33E-04	3.17E-01	5.26E-02	1.24E+00	9.81E-01	7.88E+01	3.17E+00	2.69E-01	8.32E+01

4755	493863.09	3860877.25	13.0386	6.77079	28.2	4.40605	9.94E-01	7.23E+01	3.12E+00	2.52E-01	7.66E+01	9.65E-01	3.05E-04	3.12E-01	4.93E-02	1.33E+00	1.08E+00	7.23E+01	3.12E+00	2.52E-01	7.67E+01
4756	494363.09	3860877.25	11.755	6.3118	25.677	4.32573	8.96E-01	6.74E+01	2.84E+00	2.47E-01	7.13E+01	8.70E-01	2.85E-04	2.84E-01	4.84E-02	1.20E+00	9.76E-01	6.74E+01	2.84E+00	2.47E-01	7.14E+01
4757	494863.09	3860877.25	11.3807	5.79203	28.865	4.28684	8.67E-01	6.18E+01	3.19E+00	2.45E-01	6.61E+01	8.43E-01	2.61E-04	3.19E-01	4.80E-02	1.21E+00	9.45E-01	6.18E+01	3.19E+00	2.45E-01	6.62E+01
4758	495363.09	3860877.25	10.4741	5.57561	30.576	4.35394	7.98E-01	5.95E+01	3.38E+00	2.49E-01	6.39E+01	7.75E-01	2.51E-04	3.38E-01	4.87E-02	1.16E+00	8.70E-01	5.95E+01	3.38E+00	2.49E-01	6.40E+01
4759	495863.09	3860877.25	9.26653	5.34552	25.368	4.19319	7.06E-01	5.70E+01	2.80E+00	2.40E-01	6.08E+01	6.86E-01	2.41E-04	2.80E-01	4.69E-02	1.01E+00	7.69E-01	5.70E+01	2.80E+00	2.40E-01	6.09E+01
4760	496363.09	3860877.25	9.26065	5.02285	26.536	4.03047	7.06E-01	5.36E+01	2.93E+00	2.30E-01	5.75E+01	6.86E-01	2.26E-04	2.93E-01	4.51E-02	1.02E+00	7.69E-01	5.36E+01	2.93E+00	2.30E-01	5.75E+01
4761	496863.09	3860877.25	8.94453	4.18298	23.687	5.09764	6.82E-01	4.46E+01	2.62E+00	2.92E-01	4.82E+01	6.62E-01	1.89E-04	2.62E-01	5.71E-02	9.81E-01	7.43E-01	4.46E+01	2.62E+00	2.92E-01	4.83E+01
4762	497363.09	3860877.25	8.55348	3.98187	29.394	5.3324	6.52E-01	4.25E+01	3.25E+00	3.05E-01	4.67E+01	6.33E-01	1.79E-04	3.25E-01	5.97E-02	1.02E+00	7.10E-01	4.25E+01	3.25E+00	3.05E-01	4.68E+01
4763	497863.09	3860877.25	8.84219	3.78344	36.306	7.26344	6.74E-01	4.04E+01	4.01E+00	4.15E-01	4.55E+01	6.55E-01	1.71E-04	4.01E-01	8.13E-02	1.14E+00	7.34E-01	4.04E+01	4.01E+00	4.15E-01	4.55E+01
4764	498363.09	3860877.25	7.46095	4.12705	29.248	4.08875	5.69E-01	4.40E+01	3.23E+00	2.34E-01	4.81E+01	5.52E-01	1.86E-04	3.23E-01	4.58E-02	9.22E-01	6.19E-01	4.40E+01	3.23E+00	2.34E-01	4.81E+01
4765	471363.09	3861377.25	4.17249	2.1756	19.201	3.90358	3.18E-01	2.32E+01	2.12E+00	2.23E-01	2.59E+01	3.09E-01	9.81E-05	2.12E-01	4.37E-02	5.65E-01	3.46E-01	2.32E+01	2.12E+00	2.23E-01	2.59E+01
4766	471863.09	3861377.25	4.25439	2.36602	19.773	3.8414	3.24E-01	2.52E+01	2.19E+00	2.20E-01	2.80E+01	3.15E-01	1.07E-04	2.19E-01	4.30E-02	5.77E-01	3.53E-01	2.52E+01	2.19E+00	2.20E-01	2.80E+01
4767	472363.09	3861377.25	4.36526	2.55905	19.699	3.76574	3.33E-01	2.73E+01	2.18E+00	2.15E-01	3.00E+01	3.23E-01	1.15E-04	2.18E-01	4.22E-02	5.83E-01	3.62E-01	2.73E+01	2.18E+00	2.15E-01	3.01E+01
4768	472863.09	3861377.25	4.42281	2.79363	17.858	3.57176	3.37E-01	2.98E+01	1.97E+00	2.04E-01	3.23E+01	3.27E-01	1.26E-04	1.97E-01	4.00E-02	5.65E-01	3.67E-01	2.98E+01	1.97E+00	2.04E-01	3.24E+01
4769	473363.09	3861377.25	4.46893	2.95554	16.845	3.50897	3.41E-01	3.15E+01	1.86E+00	2.01E-01	3.39E+01	3.31E-01	1.33E-04	1.86E-01	3.93E-02	5.56E-01	3.71E-01	3.15E+01	1.86E+00	2.01E-01	3.40E+01
4770	473863.09	3861377.25	4.52868	3.01477	17.929	3.68637	3.45E-01	3.22E+01	1.98E+00	2.11E-01	3.47E+01	3.35E-01	1.36E-04	1.98E-01	4.13E-02	5.75E-01	3.76E-01	3.22E+01	1.98E+00	2.11E-01	3.47E+01
4771	474363.09	3861377.25	4.57765	3.19706	21.422	3.58047	3.49E-01	3.41E+01	2.37E+00	2.05E-01	3.70E+01	3.39E-01	1.44E-04	2.37E-01	4.01E-02	6.16E-01	3.80E-01	3.41E+01	2.37E+00	2.05E-01	3.71E+01
4772	474863.09	3861377.25	4.82205	3.12021	26.064	4.51043	3.68E-01	3.33E+01	2.88E+00	2.58E-01	3.68E+01	3.57E-01	1.41E-04	2.88E-01	5.05E-02	6.96E-01	4.00E-01	3.33E+01	2.88E+00	2.58E-01	3.68E+01
4773	475363.09	3861377.25	4.92953	3.22295	27.442	4.18125	3.76E-01	3.44E+01	3.03E+00	2.39E-01	3.80E+01	3.65E-01	1.45E-04	3.03E-01	4.68E-02	7.15E-01	4.09E-01	3.44E+01	3.03E+00	2.39E-01	3.81E+01
4774	475863.09	3861377.25	5.0031	2.91812	32.419	10.42893	3.81E-01	3.11E+01	3.58E+00	5.96E-01	3.57E+01	3.70E-01	1.32E-04	3.58E-01	1.17E-01	8.46E-01	4.15E-01	3.11E+01	3.58E+00	5.96E-01	3.57E+01
4775	476363.09	3861377.25	5.02702	2.39284	35.24	15.00123	3.83E-01	2.55E+01	3.90E+00	8.58E-01	3.07E+01	3.72E-01	1.08E-04	3.90E-01	1.68E-01	9.30E-01	4.17E-01	2.55E+01	3.90E+00	8.58E-01	3.07E+01
4776	476863.09	3861377.25	5.01295	2.34139	31.831	17.45834	3.82E-01	2.50E+01	3.52E+00	9.98E-01	2.99E+01	3.71E-01	1.06E-04	3.52E-01	1.95E-01	9.19E-01	4.16E-01	2.50E+01	3.52E+00	9.98E-01	2.99E+01
4777	477363.09	3861377.25	4.91007	2.59135	23.641	18.66333	3.74E-01	2.77E+01	2.61E+00	1.07E+00	3.17E+01	3.64E-01	1.17E-04	2.61E-01	2.09E-01	8.34E-01	4.08E-01	2.77E+01	2.61E+00	1.07E+00	3.17E+01
4778	477863.09	3861377.25	3.99408	1.90731	36.779	13.04292	3.04E-01	2.04E+01	4.07E+00	7.46E-01	2.55E+01	2.96E-01	8.60E-05	4.07E-01	1.46E-01	8.48E-01	3.32E-01	2.04E+01	4.07E+00	7.46E-01	2.55E+01
4779	478363.09	3861377.25	3.286	1.4614	30.553	4.45154	2.50E-01	1.56E+01	3.38E+00	2.55E-01	1.95E+01	2.43E-01	6.59E-05	3.38E-01	4.98E-02	6.31E-01	2.73E-01	1.56E+01	3.38E+00	2.55E-01	1.95E+01
4780	478863.09	3861377.25	3.30468	1.51268	40.872	8.59878	2.52E-01	1.61E+01	4.52E+00	4.92E-01	2.14E+01	2.45E-01	6.82E-05	4.52E-01	9.63E-02	7.93E-01	2.74E-01	1.61E+01	4.52E+00	4.92E-01	2.14E+01
4781	479363.09	3861377.25	5.04865	3.13821	119.62	21.69207	3.85E-01	3.35E+01	1.32E+01	1.24E+00	4.83E+01	3.74E-01	1.41E-04	1.32E+00	2.43E-01	1.94E+00	4.19E-01	3.35E+01	1.32E+01	1.24E+00	4.84E+01
4782	479863.09	3861377.25	5.5845	3.27694	27.967	7.11323	4.26E-01	3.50E+01	3.09E+00	4.07E-01	3.89E+01	4.13E-01	1.48E-04	3.09E-01	7.96E-02	8.02E-01	4.64E-01	3.50E+01	3.09E+00	4.07E-01	3.89E+01
4783	480363.09	3861377.25	5.77927	3.48989	23.571	3.73627	4.41E-01	3.72E+01	2.61E+00	2.14E-01	4.05E+01	4.28E-01	1.57E-04	2.61E-01	4.18E-02	7.30E-01	4.80E-01	3.72E+01	2.61E+00	2.14E-01	4.05E+01
4784	480863.09	3861377.25	5.90678	3.6241	23.155	3.78717	4.50E-01	3.87E+01	2.56E+00	2.17E-01	4.19E+01	4.37E-01	1.63E-04	2.56E-01	4.24E-02	7.36E-01	4.90E-01	3.87E+01	2.56E+00	2.17E-01	4.19E+01
4785	481363.09	3861377.25	5.98683	3.92626	28.427	3.80785	4.56E-01	4.19E+01	3.14E+00	2.18E-01	4.57E+01	4.43E-01	1.77E-04	3.14E-01	4.26E-02	8.00E-01	4.97E-01	4.19E+01	3.14E+00	2.18E-01	4.58E+01
4786	481863.09	3861377.25	5.92933	4.23916	24.679	3.78863	4.52E-01	4.52E+01	2.73E+00	2.17E-01	4.86E+01	4.39E-01	1.91E-04	2.73E-01	4.24E-02	7.54E-01	4.92E-01	4.52E+01	2.73E+00	2.17E-01	4.87E+01
4787	482363.09	3861377.25	6.10449	4.54434	23.014	3.72457	4.65E-01	4.85E+01	2.54E+00	2.13E-01	5.17E+01	4.52E-01	2.05E-04	2.54E-01	4.17E-02	7.48E-01	5.07E-01	4.85E+01	2.54E+00	2.13E-01	5.18E+01
4788	482863.09	3861377.25	6.26062	4.61295	26.125	4.45559	4.77E-01	4.92E+01	2.89E+00	2.55E-01	5.28E+01	4.63E-01	2.08E-04	2.89E-01	4.99E-02	8.02E-01	5.20E-01	4.92E+01	2.89E+00	2.55E-01	5.29E+01
4789	483363.09	3861377.25	6.23728	4.66166	27.971	5.74481	4.75E-01	4.97E+01	3.09E+00	3.29E-01	5.36E+01	4.62E-01	2.10E-04	3.09E-01	6.43E-02	8.36E-01	5.18E-01	4.97E+01	3.09E+00	3.29E-01	5.37E+01
4790	483863.09	3861377.25	6.41303	4.94382	34.46	5.50568	4.89E-01	5.28E+01	3.81E+00	3.15E-01	5.74E+01	4.75E-01	2.23E-04	3.81E-01	6.16E-02	9.18E-01	5.32E-01	5.28E+01	3.81E+00	3.15E-01	5.74E+01
4791	484363.09	3861377.25	9.63732	5.55276	30.228	4.61439	7.35E-01	5.93E+01	3.34E+00	2.64E-01	6.36E+01	7.13E-01	2.50E-04	3.34E-01	5.17E-02	1.10E+00	8.00E-01	5.93E+01	3.34E+00	2.64E-01	6.37E+01
4792	484863.09	3861377.25	9.38468	5.74333	28.442	4.95147	7.15E-01	6.13E+01	3.14E+00	2.83E-01	6.54E+01	6.95E-01	2.59E-04	3.14E-01	5.54E-02	1.06E+00	7.79E-01	6.13E+01	3.14E+00	2.83E-01	6.55E+01
4793	485363.09	3861377.25	9.07011	5.96124	27.645	4.66168	6.91E-01	6.36E+01	3.06E+00	2.67E-01	6.76E+01	6.71E-01	2.69E-04	3.06E-01	5.22E-02	1.03E+00	7.53E-01	6.36E+01	3.06E+00	2.67E-01	6.77E+01
4794	485863.09	3861377.25	9.03746	6.71686	21.559	8.04009	6.89E-01	7.17E+01	2.38E+00	4.60E-01	7.52E+01	6.69E-01	3.03E-04	2.38E-01	9.00E-02	9.98E-01	7.50E-01	7.17E+01	2.38E+00	4.60E-01	7.53E+01
4795	486363.09	3861377.25	8.51564	8.90133	24.436	7.01264	6.49E-01	9.50E+01	2.70E+00	4.01E-01	9.87E+01	6.30E-01	4.01E-04	2.70E-01	7.85E-02	9.80E-01	7.07E-01	9.50E+01	2.70E+00	4.01E-01	9.88E+01
4796	486863.09	3861377.25	9.11011	10.2406	18.529	10.93548	6.94E-01	1.09E+02	2.05E+00	6.25E-01	1.13E+02	6.74E-01	4.62E-04	2.05E-01	1.22E-01	1.00E+00	7.56E-01	1.09E+02	2.05E+00	6.25E-01	1.13E+02
4797	487363.09	3861377.25	10.479	12.8852	40.598	6.37038	7.99E-01	1.38E+02	4.49E+00	3.64E-01	1.43E+02	7.76E-01	5.81E-04	4.49E-01	7.13E-02	1.30E+00	8.70E-01	1.38E+02	4.49E+00	3.64E-01	1.43E+02
4798	487863.09	3861377.25	11.6108	13.4112	46.721	4.05571	8.85E-01	1.43E+02	5.17E+00	2.32E-01	1.49E+02	8.60E-01	6.05E-04	5.17E-01	4.54E-02	1.42E+00	9.64E-01	1.43E+02	5.17E+00	2.32E-01	1.49E+02
4799	488363.09	3861377.25	11.9939	21.7276	27.584	4.73888	9.14E-01	2.32E+02	3.05E+00	2.71E-01	2.36E+02	8.88E-01	9.79E-04	3.05E-01	5.30E-02	1.25E+00	9.96E-01	2.32E+02	3.05E+00	2.71E-01	2.36E+02
4800	488863.09	3861377.25	20.9067	25.4249	28.648	15.04715	1.59E+00	2.71E+02	3.17E+00	8.60E-01	2.77E+02	1.55E+00	1.15E-03	3.17E-01	1.68E-01	2.03E+00	1.74E+00	2.71E+02	3.17E+00	8.60E-01	2.77E+02
4801	489363.09	3861377.25	21.7754	21.5582	20.085	12.28241	1.66E+00	2.30E+02	2.22E+00	7.02E-01	2.35E+02	1.61E+00	9.72E-04	2.22E-01	1.37E-01	1.97E+00	1.81E+00	2.30E+02	2.22E+00	7.02E-01	2.35E+02
4802	489863.09	3861377.25	15.5322	21.8608	29.994	9.01317	1.18E+00	2.33E+02	3.32E+00	5.15E-01	2.38E+02	1.15E+00	9.85E-04	3.32E-01	1.01E-01	1.58E+00	1.29E+00	2.33E+02	3.32E+00	5.15E-01	2.38E+02
4803	490363.09	3861377.25	15.4619	18.8794	28.692	10.00704	1.18E+00	2.01E+02	3.17E+00	5.72E-01	2.06E+02	1.14E+00	8.51E-04	3.17E-01	1.12E-01	1.57E+00	1.28E+00	2.01E+02	3.17E+00	5.72E-01	2.07E+02
4804	490863.09	3861377.25	15.5959	14.5373	31.275	8.92338	1.19E+00	1.55E+02	3.46E+00	5.10E-01	1.60E+02	1.15E+00	6.55E-04	3.46E-01	9.99E-02	1.60E+00	1.29E+00	1.55E+02	3.46E+00	5.10E-01	1.60E+02
4805	491363.09	3861377.25	14.9988	12.9443	28.07	8.66258	1.14E+00	1.38E+02	3.10E+00	4.95E-01	1.43E+02	1.11E+00	5.84E-04	3.10E-01	9.70E-02	1.52E+00	1.25E+00	1.38E+02	3.10E+00	4.95E-01	1.43E+02
4806	491863.09	3861377.25	13.4342	12.9744	27.078	8.09189	1.02E+00	1.38E+02	2.99E+00	4.63E-01	1.43E+02	9.95E-01	5.85E-04	2.99E-01	9.06E-02	1.39E+00	1.12E+00	1.38E+02	2.99E+00	4.63E-01	1.43E+02
4807	492363.09	3861377.25	12.585	11.497	23.936	7.03954	9.59E-01	1.23E+02	2.65E+00	4.03E-01	1.27E+02	9.32E-01	5.18E-04	2.65E-01	7.88E-02	1.28E+00	1.04E+00	1.23E+02	2.65E+00	4.03E-01	1.27E+02
4808	492863.09	3861377.25	11.9794	10.1036	25.571	5.96624	9.13E-01	1.08E+02	2.83E+00	3.41E-01	1.12E+02	8.87E-01	4.55E-04	2.83E-01	6.68E-02	1.24E+00	9.95E-01	1.08E+02	2.83E+00	3.41E-01	1.12E+02
4809	493363.09	3861377.25	10.969	8.33879	24.733	5.48096	8.36E-01	8.90E+01	2.73E+00	3.13E-01	9.29E+01	8.12E-01	3.76E-04	2.73E-01	6.14E-02	1.15E+00	9.11E-01	8.90E+01	2.73E+00	3.13E-01	9.29E+01
4810	493863.09	3861377.25	10.5359	7.42423	26.727	4.97894	8.03E-01	7.92E+01	2.95E+00	2.85E-01	8.33E+01	7.80E-01	3.35E-04	2.95E-01	5.57E-02	1.13E+00	8.75E-01	7.92E+01	2.95E+00	2.85E-01	8.33E+01
4811	494363.09	3861377.25	10.2703	6.40855	23.795	4.52103	7.83E-01	6.84E+01	2.63E+00	2.59E-01	7.21E+01	7.60E-01	2.89E-04	2.63E-01	5.06E-02	1.07E+00	8.53E-01	6.84E+01	2.63E+00	2.59E-01	7.21E+01
4812	494863.09	3861377.25	10.9756	6.05062	24.498	4.44537	8.37E-01	6.46E+01	2.71E+00	2.54E-01	6.84E+01	8.13E-01	2.73E-04	2.71E-01	4.98E-02	1.13E+00	9.11E-01	6.46E+01	2.71E+00	2.54E-01	6.84E+01
4813	495363.09	3861377.25	10.103	5.54823	22.752	4.27628	7.70E-01	5.92E+01	2.52E+00	2.45E-01	6.27E+01	7.48E-01	2.50E-04	2.52E-01	4.79E-02	1.05E+00	8.39E-01	5.92E+01	2.52E+00	2.45E-01	6.28E+01
4814	495863.09	3861377.25	9.55888	5.29868	22.82	4.04677	7.29E-01	5.65E+01	2.52E+00	2.31E-01	6.00E+01	7.08E-01	2.39E-04	2.52E-01	4.53E-02	1.01E+00	7.94E-01	5.65E+01	2.52E+00	2.31E-01	6.01E+01
4815	496363.09	3861377.25	8.96363	5.01225	25.511	4.10276	6.83E-01	5.35E+01	2.82E+00	2.35E-01	5.72E+01	6.64E-01	2.26E-04	2.82E-01	4.59E-02	9.92E-01	7.44E-01	5.35E+01	2.82E+00	2.35E-01	5.73E+01

4816	496863.09	3861377.25	8.40814	4.68699	26.561	4.14528	6.41E-01	5.00E+01	2.94E+00	2.37E-01	5.38E+01	6.22E-01	2.11E-04	2.94E-01	4.64E-02	9.63E-01	6.98E-01	5.00E+01	2.94E+00	2.37E-01	5.39E+01
4817	497363.09	3861377.25	8.21628	4.80182	22.847	3.9795	6.26E-01	5.12E+01	2.53E+00	2.28E-01	5.46E+01	6.08E-01	2.16E-04	2.53E-01	4.45E-02	9.06E-01	6.82E-01	5.12E+01	2.53E+00	2.28E-01	5.47E+01
4818	497863.09	3861377.25	7.61558	4.63704	23.375	3.97119	5.80E-01	4.95E+01	2.58E+00	2.27E-01	5.29E+01	5.64E-01	2.09E-04	2.58E-01	4.45E-02	8.67E-01	6.32E-01	4.95E+01	2.58E+00	2.27E-01	5.29E+01
4819	498363.09	3861377.25	6.99481	4.31445	21.541	3.92806	5.33E-01	4.60E+01	2.38E+00	2.25E-01	4.92E+01	5.18E-01	1.94E-04	2.38E-01	4.40E-02	8.00E-01	5.81E-01	4.60E+01	2.38E+00	2.25E-01	4.92E+01
4820	471363.09	3861877.25	4.10117	2.85972	15.292	2.99895	3.13E-01	3.05E+01	1.69E+00	1.71E-01	3.27E+01	3.04E-01	1.29E-04	1.69E-01	3.36E-02	5.06E-01	3.40E-01	3.05E+01	1.69E+00	1.71E-01	3.27E+01
4821	471863.09	3861877.25	4.1598	2.94451	16.945	2.99737	3.17E-01	3.14E+01	1.87E+00	1.71E-01	3.38E+01	3.08E-01	1.33E-04	1.87E-01	3.36E-02	5.29E-01	3.45E-01	3.14E+01	1.87E+00	1.71E-01	3.38E+01
4822	472363.09	3861877.25	4.16902	2.99776	20.071	2.93826	3.18E-01	3.20E+01	2.22E+00	1.68E-01	3.47E+01	3.09E-01	1.35E-04	2.22E-01	3.29E-02	5.64E-01	3.46E-01	3.20E+01	2.22E+00	1.68E-01	3.47E+01
4823	472863.09	3861877.25	4.12116	3.02472	22.561	3.32045	3.14E-01	3.23E+01	2.49E+00	1.90E-01	3.53E+01	3.05E-01	1.36E-04	2.49E-01	3.72E-02	5.92E-01	3.42E-01	3.23E+01	2.49E+00	1.90E-01	3.53E+01
4824	473363.09	3861877.25	4.27025	2.99057	24.163	3.4651	3.25E-01	3.19E+01	2.67E+00	1.98E-01	3.51E+01	3.16E-01	1.35E-04	2.67E-01	3.88E-02	6.22E-01	3.55E-01	3.19E+01	2.67E+00	1.98E-01	3.51E+01
4825	473863.09	3861877.25	4.49024	2.86666	24.803	3.14408	3.42E-01	3.06E+01	2.74E+00	1.80E-01	3.39E+01	3.32E-01	1.29E-04	2.74E-01	3.52E-02	6.42E-01	3.73E-01	3.06E+01	2.74E+00	1.80E-01	3.39E+01
4826	474363.09	3861877.25	4.61742	2.74675	23.492	2.99572	3.52E-01	2.93E+01	2.60E+00	1.71E-01	3.24E+01	3.42E-01	1.24E-04	2.60E-01	3.35E-02	6.35E-01	3.83E-01	2.93E+01	2.60E+00	1.71E-01	3.25E+01
4827	474863.09	3861877.25	4.68519	2.72878	20.834	3.30692	3.57E-01	2.91E+01	2.30E+00	1.89E-01	3.20E+01	3.47E-01	1.23E-04	2.30E-01	3.70E-02	6.14E-01	3.89E-01	2.91E+01	2.30E+00	1.89E-01	3.20E+01
4828	475363.09	3861877.25	4.69743	2.825	16.656	3.27266	3.58E-01	3.01E+01	1.84E+00	1.87E-01	3.25E+01	3.48E-01	1.27E-04	1.84E-01	3.66E-02	5.69E-01	3.90E-01	3.01E+01	1.84E+00	1.87E-01	3.26E+01
4829	475863.09	3861877.25	4.61854	3.00875	14.082	3.04099	3.52E-01	3.21E+01	1.56E+00	1.74E-01	3.42E+01	3.42E-01	1.36E-04	1.56E-01	3.40E-02	5.32E-01	3.83E-01	3.21E+01	1.56E+00	1.74E-01	3.42E+01
4830	476363.09	3861877.25	4.3811	3.07521	18.576	3.58368	3.34E-01	3.28E+01	2.05E+00	2.05E-01	3.54E+01	3.24E-01	1.39E-04	2.05E-01	4.01E-02	5.70E-01	3.64E-01	3.28E+01	2.05E+00	2.05E-01	3.54E+01
4831	476863.09	3861877.25	4.29855	3.0097	27.13	5.79133	3.28E-01	3.21E+01	3.00E+00	3.31E-01	3.58E+01	3.18E-01	1.36E-04	3.00E-01	6.48E-02	6.83E-01	3.57E-01	3.21E+01	3.00E+00	3.31E-01	3.58E+01
4832	477363.09	3861877.25	4.35606	3.09881	36.301	8.1716	3.32E-01	3.31E+01	4.01E+00	4.67E-01	3.79E+01	3.22E-01	1.40E-04	4.01E-01	9.15E-02	8.15E-01	3.62E-01	3.31E+01	4.01E+00	4.67E-01	3.79E+01
4833	477863.09	3861877.25	3.90461	1.66553	115.59	16.3669	2.98E-01	1.78E+01	1.28E+01	9.36E-01	3.18E+01	2.89E-01	7.51E-05	1.28E+00	1.83E-01	1.75E+00	3.24E-01	1.78E+01	1.28E+01	9.36E-01	3.18E+01
4834	478363.09	3861877.25	3.11025	1.60229	21.146	2.83613	2.37E-01	1.71E+01	2.34E+00	1.62E-01	1.98E+01	2.30E-01	7.22E-05	2.34E-01	3.17E-02	4.96E-01	2.58E-01	1.71E+01	2.34E+00	1.62E-01	1.99E+01
4835	478863.09	3861877.25	3.31533	1.57417	50.149	6.83481	2.53E-01	1.68E+01	5.54E+00	3.91E-01	2.30E+01	2.45E-01	7.10E-05	5.54E-01	7.65E-02	8.76E-01	2.75E-01	1.68E+01	5.54E+00	3.91E-01	2.30E+01
4836	479363.09	3861877.25	3.29506	1.49135	34.05	4.35674	2.51E-01	1.59E+01	3.76E+00	2.49E-01	2.02E+01	2.44E-01	6.72E-05	3.76E-01	4.88E-02	6.69E-01	2.74E-01	1.59E+01	3.76E+00	2.49E-01	2.02E+01
4837	479863.09	3861877.25	5.39943	2.77642	25.933	8.54216	4.12E-01	2.96E+01	2.87E+00	4.88E-01	3.34E+01	4.00E-01	1.25E-04	2.87E-01	9.56E-02	7.82E-01	4.48E-01	2.96E+01	2.87E+00	4.88E-01	3.34E+01
4838	480363.09	3861877.25	5.55818	3.47089	28.942	3.19444	4.24E-01	3.70E+01	3.20E+00	1.83E-01	4.08E+01	4.11E-01	1.56E-04	3.20E-01	3.58E-02	7.67E-01	4.61E-01	3.70E+01	3.20E+00	1.83E-01	4.09E+01
4839	480863.09	3861877.25	5.57807	3.66778	26.655	3.13158	4.25E-01	3.91E+01	2.95E+00	1.79E-01	4.27E+01	4.13E-01	1.65E-04	2.95E-01	3.51E-02	7.43E-01	4.63E-01	3.91E+01	2.95E+00	1.79E-01	4.27E+01
4840	481363.09	3861877.25	5.524	3.83464	20.995	3.33122	4.21E-01	4.09E+01	2.32E+00	1.90E-01	4.39E+01	4.09E-01	1.73E-04	2.32E-01	3.73E-02	6.79E-01	4.59E-01	4.09E+01	2.32E+00	1.90E-01	4.39E+01
4841	481863.09	3861877.25	5.6852	3.95942	20.605	3.53333	4.33E-01	4.23E+01	2.28E+00	2.02E-01	4.52E+01	4.21E-01	1.78E-04	2.28E-01	3.96E-02	6.88E-01	4.72E-01	4.23E+01	2.28E+00	2.02E-01	4.52E+01
4842	482363.09	3861877.25	5.82322	3.95949	25.293	3.7761	4.44E-01	4.23E+01	2.80E+00	2.16E-01	4.57E+01	4.31E-01	1.78E-04	2.80E-01	4.23E-02	7.53E-01	4.83E-01	4.23E+01	2.80E+00	2.16E-01	4.58E+01
4843	482863.09	3861877.25	5.78011	4.32119	26.084	4.63326	4.41E-01	4.61E+01	2.88E+00	2.65E-01	4.97E+01	4.28E-01	1.95E-04	2.88E-01	5.19E-02	7.68E-01	4.80E-01	4.61E+01	2.88E+00	2.65E-01	4.97E+01
4844	483363.09	3861877.25	5.95043	4.69292	36.709	5.69485	4.54E-01	5.01E+01	4.06E+00	3.26E-01	5.49E+01	4.41E-01	2.12E-04	4.06E-01	6.37E-02	9.10E-01	4.94E-01	5.01E+01	4.06E+00	3.26E-01	5.50E+01
4845	483863.09	3861877.25	6.08383	4.77499	27.298	5.23719	4.64E-01	5.10E+01	3.02E+00	2.99E-01	5.47E+01	4.50E-01	2.15E-04	3.02E-01	5.86E-02	8.11E-01	5.05E-01	5.10E+01	3.02E+00	2.99E-01	5.48E+01
4846	484363.09	3861877.25	9.38936	4.80835	27.056	4.08203	7.16E-01	5.13E+01	2.99E+00	2.33E-01	5.53E+01	6.95E-01	2.17E-04	2.99E-01	4.57E-02	1.04E+00	7.80E-01	5.13E+01	2.99E+00	2.33E-01	5.53E+01
4847	484863.09	3861877.25	9.58035	5.18799	26.593	3.98241	7.30E-01	5.54E+01	2.94E+00	2.28E-01	5.93E+01	7.09E-01	2.34E-04	2.94E-01	4.46E-02	1.05E+00	7.95E-01	5.54E+01	2.94E+00	2.28E-01	5.93E+01
4848	485363.09	3861877.25	9.26913	5.56391	19.45	4.14776	7.07E-01	5.94E+01	2.15E+00	2.37E-01	6.25E+01	6.86E-01	2.51E-04	2.15E-01	4.64E-02	9.48E-01	7.70E-01	5.94E+01	2.15E+00	2.37E-01	6.25E+01
4849	485863.09	3861877.25	8.89116	7.3764	30.412	4.20712	6.78E-01	7.87E+01	3.36E+00	2.41E-01	8.30E+01	6.58E-01	3.33E-04	3.36E-01	4.71E-02	1.04E+00	7.38E-01	7.87E+01	3.36E+00	2.41E-01	8.31E+01
4850	486363.09	3861877.25	8.01016	7.78907	22.833	6.00562	6.11E-01	8.31E+01	2.52E+00	3.43E-01	8.66E+01	5.93E-01	3.51E-04	2.52E-01	6.72E-02	9.13E-01	6.65E-01	8.31E+01	2.52E+00	3.43E-01	8.67E+01
4851	486863.09	3861877.25	8.44045	9.14474	17.661	4.82171	6.43E-01	9.76E+01	1.95E+00	2.76E-01	1.00E+02	6.25E-01	4.12E-04	1.95E-01	5.40E-02	8.75E-01	7.01E-01	9.76E+01	1.95E+00	2.76E-01	1.01E+02
4852	487363.09	3861877.25	9.38213	10.5687	42.813	3.95088	7.15E-01	1.13E+02	4.73E+00	2.26E-01	1.18E+02	6.95E-01	4.76E-04	4.73E-01	4.42E-02	1.21E+00	7.79E-01	1.13E+02	4.73E+00	2.26E-01	1.19E+02
4853	487863.09	3861877.25	10.8399	10.7647	42.813	5.53215	8.26E-01	1.15E+02	4.73E+00	3.16E-01	1.21E+02	8.03E-01	4.85E-04	4.73E-01	6.19E-02	1.34E+00	9.00E-01	1.15E+02	4.73E+00	3.16E-01	1.21E+02
4854	488363.09	3861877.25	11.2925	13.0468	28.717	4.44921	8.61E-01	1.39E+02	3.18E+00	2.54E-01	1.44E+02	8.36E-01	5.88E-04	3.18E-01	4.98E-02	1.20E+00	9.38E-01	1.39E+02	3.18E+00	2.54E-01	1.44E+02
4855	488863.09	3861877.25	13.3425	20.7809	27.389	14.92158	1.02E+00	2.22E+02	3.03E+00	8.53E-01	2.27E+02	9.88E-01	9.37E-04	3.03E-01	1.67E-01	1.46E+00	1.11E+00	2.22E+02	3.03E+00	8.53E-01	2.27E+02
4856	489363.09	3861877.25	20.963	19.5194	13.172	6.28742	1.60E+00	2.08E+02	1.46E+00	3.60E-01	2.12E+02	1.55E+00	8.80E-04	1.46E-01	7.04E-02	1.77E+00	1.74E+00	2.08E+02	1.46E+00	3.60E-01	2.12E+02
4857	489863.09	3861877.25	16.1691	17.5556	22.513	9.52297	1.23E+00	1.87E+02	2.49E+00	5.45E-01	1.92E+02	1.20E+00	7.91E-04	2.49E-01	1.07E-01	1.55E+00	1.34E+00	1.87E+02	2.49E+00	5.45E-01	1.92E+02
4858	490363.09	3861877.25	14.4797	18.0077	27.901	8.93785	1.10E+00	1.92E+02	3.08E+00	5.11E-01	1.97E+02	1.07E+00	8.12E-04	3.08E-01	1.00E-01	1.48E+00	1.20E+00	1.92E+02	3.08E+00	5.11E-01	1.97E+02
4859	490863.09	3861877.25	13.0647	16.1169	26.845	8.80735	9.96E-01	1.72E+02	2.97E+00	5.04E-01	1.76E+02	9.67E-01	7.27E-04	2.97E-01	9.86E-02	1.36E+00	1.08E+00	1.72E+02	2.97E+00	5.04E-01	1.77E+02
4860	491363.09	3861877.25	13.6976	13.565	28.736	8.51943	1.04E+00	1.45E+02	3.18E+00	4.87E-01	1.49E+02	1.01E+00	6.11E-04	3.18E-01	9.54E-02	1.43E+00	1.14E+00	1.45E+02	3.18E+00	4.87E-01	1.50E+02
4861	491863.09	3861877.25	13.1967	12.0289	25.834	7.81448	1.01E+00	1.28E+02	2.86E+00	4.47E-01	1.33E+02	9.77E-01	5.42E-04	2.86E-01	8.75E-02	1.35E+00	1.10E+00	1.28E+02	2.86E+00	4.47E-01	1.33E+02
4862	492363.09	3861877.25	11.2986	11.331	25.269	7.94959	8.61E-01	1.21E+02	2.79E+00	4.55E-01	1.25E+02	8.36E-01	5.11E-04	2.79E-01	8.90E-02	1.21E+00	9.38E-01	1.21E+02	2.79E+00	4.55E-01	1.25E+02
4863	492863.09	3861877.25	11.3572	10.9287	20.988	7.36604	8.66E-01	1.17E+02	2.32E+00	4.21E-01	1.20E+02	8.41E-01	4.93E-04	2.32E-01	8.25E-02	1.16E+00	9.43E-01	1.17E+02	2.32E+00	4.21E-01	1.20E+02
4864	493363.09	3861877.25	10.9309	9.78156	22.617	6.41102	8.33E-01	1.04E+02	2.50E+00	3.67E-01	1.08E+02	8.09E-01	4.41E-04	2.50E-01	7.18E-02	1.13E+00	9.07E-01	1.04E+02	2.50E+00	3.67E-01	1.08E+02
4865	493863.09	3861877.25	9.92364	8.67294	21.6	5.76885	7.56E-01	9.26E+01	2.39E+00	3.30E-01	9.60E+01	7.35E-01	3.91E-04	2.39E-01	6.46E-02	1.04E+00	8.24E-01	9.26E+01	2.39E+00	3.30E-01	9.61E+01
4866	494363.09	3861877.25	9.46383	7.33227	23.189	5.31259	7.21E-01	7.82E+01	2.56E+00	3.04E-01	8.18E+01	7.01E-01	3.31E-04	2.56E-01	5.95E-02	1.02E+00	7.86E-01	7.82E+01	2.56E+00	3.04E-01	8.19E+01
4867	494863.09	3861877.25	8.99308	6.73469	23.636	4.85946	6.85E-01	7.19E+01	2.61E+00	2.78E-01	7.54E+01	6.66E-01	3.04E-04	2.61E-01	5.44E-02	9.82E-01	7.47E-01	7.19E+01	2.61E+00	2.78E-01	7.55E+01
4868	495363.09	3861877.25	9.51794	5.773	20.573	4.35461	7.25E-01	6.16E+01	2.27E+00	2.49E-01	6.49E+01	7.05E-01	2.60E-04	2.27E-01	4.87E-02	9.81E-01	7.90E-01	6.16E+01	2.27E+00	2.49E-01	6.49E+01
4869	495863.09	3861877.25	9.3752	5.45537	21.872	4.19531	7.15E-01	5.82E+01	2.42E+00	2.40E-01	6.16E+01	6.94E-01	2.46E-04	2.42E-01	4.70E-02	9.83E-01	7.78E-01	5.82E+01	2.42E+00	2.40E-01	6.17E+01
4870	496363.09	3861877.25	8.93955	5.19765	20.689	4.19593	6.81E-01	5.55E+01	2.29E+00	2.40E-01	5.87E+01	6.62E-01	2.34E-04	2.29E-01	4.70E-02	9.38E-01	7.42E-01	5.55E+01	2.29E+00	2.40E-01	5.87E+01
4871	496863.09	3861877.25	9.31241	5.00461	25.409	4.34284	7.10E-01	5.34E+01	2.81E+00	2.48E-01	5.72E+01	6.89E-01	2.26E-04	2.81E-01	4.86E-02	1.02E+00	7.73E-01	5.34E+01	2.81E+00	2.48E-01	5.72E+01
4872	497363.09	3861877.25	8.09656	4.70628	23.576	4.12464	6.17E-01	5.02E+01	2.61E+00	2.36E-01	5.37E+01	5.99E-01	2.12E-04	2.61E-01	4.62E-02	9.06E-01	6.72E-01	5.02E+01	2.61E+00	2.36E-01	5.37E+01
4873	497863.09	3861877.25	7.36681	4.46947	22.748	3.8898	5.62E-01	4.77E+01	2.52E+00	2.22E-01	5.10E+01	5.45E-01	2.01E-04	2.52E-01	4.35E-02	8.41E-01	6.12E-01	4.77E+01	2.52E+00	2.22E-01	5.10E+01
4874	498363.09	3861877.25	7.04392	4.1935	19.706	3.86751	5.37E-01	4.48E+01	2.18E+00	2.21E-01	4.77E+01	5.21E-01	1.89E-04	2.18E-01	4.33E-02	7.83E-01	5.85E-01	4.48E+01	2.18E+00	2.21E-01	4.77E+01
4875	471363.09	3862377.25	3.87811	2.5502	23.185	2.64237	2.96E-01	2.72E+01	2.56E+00	1.51E-01	3.02E+01	2.87E-01	1.15E-04	2.56E-01	2.96E-02	5.73E-01	3.22E-01	2.72E+01	2.56E+00	1.51E-01	3.03E+01
4876	471863.09	3862377.25	3.78259	2.44581	23.877	3.25962	2.88E-01	2.61E+01	2.64E+00	1.86E-01	2.92E+01	2.80E-01	1.10E-04	2.64E-01	3.65E-02	5.81E-01	3.14E-01	2.61E+01	2.64E+00	1.86E-01	2.92E+01

4877	472363.09	3862377.25	3.99451	2.45906	23.066	3.43133	3.04E-01	2.62E+01	2.55E+00	1.96E-01	2.93E+01	2.96E-01	1.11E-04	2.55E-01	3.84E-02	5.89E-01	3.32E-01	2.62E+01	2.55E+00	1.96E-01	2.93E+01
4878	472863.09	3862377.25	4.21708	2.48331	21.121	3.1485	3.21E-01	2.65E+01	2.34E+00	1.80E-01	2.93E+01	3.12E-01	1.12E-04	2.34E-01	3.52E-02	5.81E-01	3.50E-01	2.65E+01	2.34E+00	1.80E-01	2.94E+01
4879	473363.09	3862377.25	4.34454	2.62392	18.118	2.76477	3.31E-01	2.80E+01	2.00E+00	1.58E-01	3.05E+01	3.22E-01	1.18E-04	2.00E-01	3.09E-02	5.53E-01	3.61E-01	2.80E+01	2.00E+00	1.58E-01	3.05E+01
4880	473863.09	3862377.25	4.40023	2.75777	14.416	2.82294	3.35E-01	2.94E+01	1.59E+00	1.61E-01	3.15E+01	3.26E-01	1.24E-04	1.59E-01	3.16E-02	5.17E-01	3.65E-01	2.94E+01	1.59E+00	1.61E-01	3.16E+01
4881	474363.09	3862377.25	4.39783	2.8415	12.702	2.87427	3.35E-01	3.03E+01	1.40E+00	1.64E-01	3.22E+01	3.26E-01	1.28E-04	1.40E-01	3.22E-02	4.98E-01	3.65E-01	3.03E+01	1.40E+00	1.64E-01	3.23E+01
4882	474863.09	3862377.25	4.30224	2.95179	17.605	3.03048	3.28E-01	3.15E+01	1.95E+00	1.73E-01	3.39E+01	3.19E-01	1.33E-04	1.95E-01	3.39E-02	5.47E-01	3.57E-01	3.15E+01	1.95E+00	1.73E-01	3.40E+01
4883	475363.09	3862377.25	4.05939	3.08674	21.963	2.95431	3.09E-01	3.29E+01	2.43E+00	1.69E-01	3.58E+01	3.01E-01	1.39E-04	2.43E-01	3.31E-02	5.77E-01	3.37E-01	3.29E+01	2.43E+00	1.69E-01	3.59E+01
4884	475863.09	3862377.25	3.91062	3.18399	24.664	2.97867	2.98E-01	3.40E+01	2.73E+00	1.70E-01	3.72E+01	2.90E-01	1.44E-04	2.73E-01	3.33E-02	5.96E-01	3.25E-01	3.40E+01	2.73E+00	1.70E-01	3.72E+01
4885	476363.09	3862377.25	4.0216	3.2268	24.811	3.23966	3.07E-01	3.44E+01	2.74E+00	1.85E-01	3.77E+01	2.98E-01	1.45E-04	2.74E-01	3.63E-02	6.08E-01	3.34E-01	3.44E+01	2.74E+00	1.85E-01	3.77E+01
4886	476863.09	3862377.25	4.18961	3.19762	22.044	3.21683	3.19E-01	3.41E+01	2.44E+00	1.84E-01	3.71E+01	3.10E-01	1.44E-04	2.44E-01	3.60E-02	5.90E-01	3.48E-01	3.41E+01	2.44E+00	1.84E-01	3.71E+01
4887	477363.09	3862377.25	4.27998	3.07582	19.271	4.33265	3.26E-01	3.28E+01	2.13E+00	2.48E-01	3.55E+01	3.17E-01	1.39E-04	2.13E-01	4.85E-02	5.79E-01	3.55E-01	3.28E+01	2.13E+00	2.48E-01	3.56E+01
4888	477863.09	3862377.25	4.33175	1.45508	106.64	16.81046	3.30E-01	1.55E+01	1.18E+01	9.61E-01	2.86E+01	3.21E-01	6.56E-05	1.18E+00	1.88E-01	1.69E+00	3.60E-01	1.55E+01	1.18E+01	9.61E-01	2.86E+01
4889	478363.09	3862377.25	3.65983	1.3673	79.342	14.39627	2.79E-01	1.46E+01	8.77E+00	8.23E-01	2.45E+01	2.71E-01	6.16E-05	8.77E-01	1.61E-01	1.31E+00	3.04E-01	1.46E+01	8.77E+00	8.23E-01	2.45E+01
4890	478863.09	3862377.25	3.79627	1.43164	28.292	6.20135	2.89E-01	1.53E+01	3.13E+00	3.55E-01	1.90E+01	2.81E-01	6.45E-05	3.13E-01	6.94E-02	6.63E-01	3.15E-01	1.53E+01	3.13E+00	3.55E-01	1.91E+01
4891	479363.09	3862377.25	4.44665	1.45854	45.552	5.56248	3.39E-01	1.56E+01	5.04E+00	3.18E-01	2.13E+01	3.29E-01	6.57E-05	5.04E-01	6.23E-02	8.95E-01	3.69E-01	1.56E+01	5.04E+00	3.18E-01	2.13E+01
4892	479863.09	3862377.25	5.25573	2.76737	30.259	3.80108	4.01E-01	2.95E+01	3.35E+00	2.17E-01	3.35E+01	3.89E-01	1.25E-04	3.35E-01	4.26E-02	7.66E-01	4.36E-01	2.95E+01	3.35E+00	2.17E-01	3.35E+01
4893	480363.09	3862377.25	5.22198	3.41504	18.995	3.29837	3.98E-01	3.64E+01	2.10E+00	1.89E-01	3.91E+01	3.87E-01	1.54E-04	2.10E-01	3.69E-02	6.34E-01	4.34E-01	3.64E+01	2.10E+00	1.89E-01	3.92E+01
4894	480863.09	3862377.25	5.16186	3.50167	19.45	3.5011	3.93E-01	3.74E+01	2.15E+00	2.00E-01	4.01E+01	3.82E-01	1.58E-04	2.15E-01	3.92E-02	6.37E-01	4.29E-01	3.74E+01	2.15E+00	2.00E-01	4.01E+01
4895	481363.09	3862377.25	5.32734	3.45205	21.875	3.6982	4.06E-01	3.68E+01	2.42E+00	2.11E-01	3.99E+01	3.94E-01	1.56E-04	2.42E-01	4.14E-02	6.78E-01	4.42E-01	3.68E+01	2.42E+00	2.11E-01	3.99E+01
4896	481863.09	3862377.25	5.43856	3.77963	24.459	3.87839	4.15E-01	4.03E+01	2.70E+00	2.22E-01	4.37E+01	4.03E-01	1.70E-04	2.70E-01	4.34E-02	7.17E-01	4.52E-01	4.03E+01	2.70E+00	2.22E-01	4.37E+01
4897	482363.09	3862377.25	5.42446	4.08937	30.589	3.97086	4.13E-01	4.36E+01	3.38E+00	2.27E-01	4.77E+01	4.02E-01	1.84E-04	3.38E-01	4.45E-02	7.84E-01	4.50E-01	4.36E+01	3.38E+00	2.27E-01	4.77E+01
4898	482863.09	3862377.25	5.53255	4.44887	34.638	4.77447	4.22E-01	4.75E+01	3.83E+00	2.73E-01	5.20E+01	4.10E-01	2.01E-04	3.83E-01	5.34E-02	8.46E-01	4.59E-01	4.75E+01	3.83E+00	2.73E-01	5.20E+01
4899	483363.09	3862377.25	5.65601	4.56029	24.936	5.58065	4.31E-01	4.87E+01	2.76E+00	3.19E-01	5.22E+01	4.19E-01	2.06E-04	2.76E-01	6.25E-02	7.57E-01	4.70E-01	4.87E+01	2.76E+00	3.19E-01	5.22E+01
4900	483863.09	3862377.25	6.39314	4.29769	24.539	4.98319	4.87E-01	4.59E+01	2.71E+00	2.85E-01	4.93E+01	4.73E-01	1.94E-04	2.71E-01	5.58E-02	8.01E-01	5.31E-01	4.59E+01	2.71E+00	2.85E-01	4.94E+01
4901	484363.09	3862377.25	9.50254	4.6471	23.137	3.68155	7.24E-01	4.96E+01	2.56E+00	2.11E-01	5.31E+01	7.04E-01	2.09E-04	2.56E-01	4.12E-02	1.00E+00	7.89E-01	4.96E+01	2.56E+00	2.11E-01	5.32E+01
4902	484863.09	3862377.25	9.33478	4.9105	21.081	3.78719	7.12E-01	5.24E+01	2.33E+00	2.17E-01	5.57E+01	6.91E-01	2.21E-04	2.33E-01	4.24E-02	9.67E-01	7.75E-01	5.24E+01	2.33E+00	2.17E-01	5.57E+01
4903	485363.09	3862377.25	9.10094	6.33577	26.382	4.31663	6.94E-01	6.76E+01	2.92E+00	2.47E-01	7.15E+01	6.74E-01	2.86E-04	2.92E-01	4.83E-02	1.01E+00	7.56E-01	6.76E+01	2.92E+00	2.47E-01	7.15E+01
4904	485863.09	3862377.25	8.76721	6.46791	22.931	3.81293	6.68E-01	6.90E+01	2.54E+00	2.18E-01	7.24E+01	6.49E-01	2.92E-04	2.54E-01	4.27E-02	9.46E-01	7.28E-01	6.90E+01	2.54E+00	2.18E-01	7.25E+01
4905	486363.09	3862377.25	7.54897	7.73057	15.359	3.86513	5.75E-01	8.25E+01	1.70E+00	2.21E-01	8.50E+01	5.59E-01	3.48E-04	1.70E-01	4.33E-02	7.72E-01	6.27E-01	8.25E+01	1.70E+00	2.21E-01	8.50E+01
4906	486863.09	3862377.25	7.83321	8.3563	22.155	3.71959	5.97E-01	8.92E+01	2.45E+00	2.13E-01	9.24E+01	5.80E-01	3.77E-04	2.45E-01	4.16E-02	8.67E-01	6.50E-01	8.92E+01	2.45E+00	2.13E-01	9.25E+01
4907	487363.09	3862377.25	8.62513	8.85221	42.814	3.59857	6.57E-01	9.45E+01	4.73E+00	2.06E-01	1.00E+02	6.39E-01	3.99E-04	4.73E-01	4.03E-02	1.15E+00	7.16E-01	9.45E+01	4.73E+00	2.06E-01	1.00E+02
4908	487863.09	3862377.25	9.84027	8.94386	39.136	7.474	7.50E-01	9.54E+01	4.33E+00	4.27E-01	1.01E+02	7.29E-01	4.03E-04	4.33E-01	8.37E-02	1.25E+00	8.17E-01	9.54E+01	4.33E+00	4.27E-01	1.01E+02
4909	488363.09	3862377.25	10.1136	8.90583	28.813	5.06877	7.71E-01	9.50E+01	3.19E+00	2.90E-01	9.93E+01	7.49E-01	4.01E-04	3.19E-01	5.67E-02	1.12E+00	8.40E-01	9.50E+01	3.19E+00	2.90E-01	9.94E+01
4910	488863.09	3862377.25	10.4444	14.6094	24.097	8.08738	7.96E-01	1.56E+02	2.66E+00	4.62E-01	1.60E+02	7.73E-01	6.59E-04	2.66E-01	9.05E-02	1.13E+00	8.67E-01	1.56E+02	2.66E+00	4.62E-01	1.60E+02
4911	489363.09	3862377.25	16.0323	18.4891	16.513	6.23166	1.22E+00	1.97E+02	1.83E+00	3.56E-01	2.01E+02	1.19E+00	8.33E-04	1.83E-01	6.98E-02	1.44E+00	1.33E+00	1.97E+02	1.83E+00	3.56E-01	2.01E+02
4912	489863.09	3862377.25	19.2362	15.5446	18.052	6.35429	1.47E+00	1.66E+02	2.00E+00	3.63E-01	1.70E+02	1.42E+00	7.01E-04	2.00E-01	7.11E-02	1.70E+00	1.60E+00	1.66E+02	2.00E+00	3.63E-01	1.70E+02
4913	490363.09	3862377.25	12.0615	15.1284	25.097	7.88527	9.19E-01	1.61E+02	2.77E+00	4.51E-01	1.66E+02	8.93E-01	6.82E-04	2.77E-01	8.83E-02	1.26E+00	1.00E+00	1.61E+02	2.77E+00	4.51E-01	1.66E+02
4914	490863.09	3862377.25	13.6295	15.8518	26.84	9.12336	1.04E+00	1.69E+02	2.97E+00	5.22E-01	1.74E+02	1.01E+00	7.15E-04	2.97E-01	1.02E-01	1.41E+00	1.13E+00	1.69E+02	2.97E+00	5.22E-01	1.74E+02
4915	491363.09	3862377.25	11.6722	14.5862	24.849	7.89357	8.90E-01	1.56E+02	2.75E+00	4.51E-01	1.60E+02	8.64E-01	6.58E-04	2.75E-01	8.84E-02	1.23E+00	9.69E-01	1.56E+02	2.75E+00	4.51E-01	1.60E+02
4916	491863.09	3862377.25	12.2921	12.789	26.182	8.02318	9.37E-01	1.36E+02	2.89E+00	4.59E-01	1.41E+02	9.10E-01	5.77E-04	2.89E-01	8.98E-02	1.29E+00	1.02E+00	1.36E+02	2.89E+00	4.59E-01	1.41E+02
4917	492363.09	3862377.25	11.7481	11.1208	23.93	7.1733	8.95E-01	1.19E+02	2.65E+00	4.10E-01	1.23E+02	8.70E-01	5.01E-04	2.65E-01	8.03E-02	1.22E+00	9.75E-01	1.19E+02	2.65E+00	4.10E-01	1.23E+02
4918	492863.09	3862377.25	9.83423	10.2703	23.972	7.45118	7.50E-01	1.10E+02	2.65E+00	4.26E-01	1.13E+02	7.28E-01	4.63E-04	2.65E-01	8.34E-02	1.08E+00	8.16E-01	1.10E+02	2.65E+00	4.26E-01	1.13E+02
4919	493363.09	3862377.25	10.4574	10.2586	22.657	7.44198	7.97E-01	1.09E+02	2.50E+00	4.26E-01	1.13E+02	7.74E-01	4.62E-04	2.50E-01	8.33E-02	1.11E+00	8.68E-01	1.09E+02	2.50E+00	4.26E-01	1.13E+02
4920	493863.09	3862377.25	9.71594	9.38777	19.431	6.82901	7.41E-01	1.00E+02	2.15E+00	3.91E-01	1.03E+02	7.19E-01	4.23E-04	2.15E-01	7.64E-02	1.01E+00	8.07E-01	1.00E+02	2.15E+00	3.91E-01	1.04E+02
4921	494363.09	3862377.25	9.46341	8.6009	21.468	5.92998	7.21E-01	9.18E+01	2.37E+00	3.39E-01	9.52E+01	7.01E-01	3.88E-04	2.37E-01	6.64E-02	1.00E+00	7.86E-01	9.18E+01	2.37E+00	3.39E-01	9.53E+01
4922	494863.09	3862377.25	8.7212	7.70454	19.292	5.61994	6.65E-01	8.22E+01	2.13E+00	3.21E-01	8.53E+01	6.46E-01	3.47E-04	2.13E-01	6.29E-02	9.22E-01	7.24E-01	8.22E+01	2.13E+00	3.21E-01	8.54E+01
4923	495363.09	3862377.25	8.34419	6.60692	21.58	5.17443	6.36E-01	7.05E+01	2.39E+00	2.96E-01	7.38E+01	6.18E-01	2.98E-04	2.39E-01	5.79E-02	9.15E-01	6.93E-01	7.05E+01	2.39E+00	2.96E-01	7.39E+01
4924	495863.09	3862377.25	7.80986	6.12538	21.556	4.71408	5.95E-01	6.54E+01	2.38E+00	2.70E-01	6.86E+01	5.78E-01	2.76E-04	2.38E-01	5.28E-02	8.70E-01	6.48E-01	6.54E+01	2.38E+00	2.70E-01	6.87E+01
4925	496363.09	3862377.25	8.62885	5.39472	18.615	4.21838	6.58E-01	5.76E+01	2.06E+00	2.41E-01	6.05E+01	6.39E-01	2.43E-04	2.06E-01	4.72E-02	8.92E-01	7.16E-01	5.76E+01	2.06E+00	2.41E-01	6.06E+01
4926	496863.09	3862377.25	8.14487	4.99253	19.995	3.76181	6.21E-01	5.33E+01	2.21E+00	2.15E-01	5.63E+01	6.03E-01	2.25E-04	2.21E-01	4.21E-02	8.66E-01	6.76E-01	5.33E+01	2.21E+00	2.15E-01	5.64E+01
4927	497363.09	3862377.25	7.95323	4.76505	18.902	3.8557	6.06E-01	5.09E+01	2.09E+00	2.20E-01	5.38E+01	5.89E-01	2.15E-04	2.09E-01	4.32E-02	8.41E-01	6.60E-01	5.09E+01	2.09E+00	2.20E-01	5.38E+01
4928	497863.09	3862377.25	7.53092	4.54738	16.624	3.88507	5.74E-01	4.85E+01	1.84E+00	2.22E-01	5.12E+01	5.58E-01	2.05E-04	1.84E-01	4.35E-02	7.85E-01	6.25E-01	4.85E+01	1.84E+00	2.22E-01	5.12E+01
4929	498363.09	3862377.25	6.87431	4.24864	19.905	3.82387	5.24E-01	4.53E+01	2.20E+00	2.19E-01	4.83E+01	5.09E-01	1.92E-04	2.20E-01	4.28E-02	7.72E-01	5.71E-01	4.53E+01	2.20E+00	2.19E-01	4.83E+01
4930	471363.09	3862877.25	3.75015	2.38836	19.298	3.40713	2.86E-01	2.55E+01	2.13E+00	1.95E-01	2.81E+01	2.78E-01	1.08E-04	2.13E-01	3.81E-02	5.29E-01	3.11E-01	2.55E+01	2.13E+00	1.95E-01	2.81E+01
4931	471863.09	3862877.25	3.97277	2.5027	16.302	3.18376	3.03E-01	2.67E+01	1.80E+00	1.82E-01	2.90E+01	2.94E-01	1.13E-04	1.80E-01	3.56E-02	5.10E-01	3.30E-01	2.67E+01	1.80E+00	1.82E-01	2.90E+01
4932	472363.09	3862877.25	4.09819	2.68977	12.982	2.65923	3.12E-01	2.87E+01	1.44E+00	1.52E-01	3.06E+01	3.03E-01	1.21E-04	1.44E-01	2.98E-02	4.77E-01	3.40E-01	2.87E+01	1.44E+00	1.52E-01	3.06E+01
4933	472863.09	3862877.25	4.15094	2.87542	12.633	2.68347	3.16E-01	3.07E+01	1.40E+00	1.53E-01	3.26E+01	3.07E-01	1.30E-04	1.40E-01	3.00E-02	4.77E-01	3.45E-01	3.07E+01	1.40E+00	1.53E-01	3.26E+01
4934	473363.09	3862877.25	4.13015	3.02415	17.093	2.7001	3.15E-01	3.23E+01	1.89E+00	1.54E-01	3.46E+01	3.06E-01	1.36E-04	1.89E-01	3.02E-02	5.25E-01	3.43E-01	3.23E+01	1.89E+00	1.54E-01	3.47E+01
4935	473863.09	3862877.25	4.02144	3.12927	21.238	2.70555	3.07E-01	3.34E+01	2.35E+00	1.55E-01	3.62E+01	2.98E-01	1.41E-04	2.35E-01	3.03E-02	5.63E-01	3.34E-01	3.34E+01	2.35E+00	1.55E-01	3.62E+01
4936	474363.09	3862877.25	3.80673	3.18492	24.12	2.69713	2.90E-01	3.40E+01	2.67E+00	1.54E-01	3.71E+01	2.82E-01	1.44E-04	2.67E-01	3.02E-02	5.79E-01	3.16E-01	3.40E+01	2.67E+00	1.54E-01	3.71E+01
4937	474863.09	3862877.25	3.65947	3.19064	24.855	2.67495	2.79E-01	3.40E+01	2.75E+00	1.53E-01	3.72E+01	2.71E-01	1.44E-04	2.75E-01	2.99E-02	5.76E-01	3.04E-01	3.40E+01	2.75E+00	1.53E-01	3.73E+01

4938	475363.09	3862877.25	3.74651	3.1432	22.758	2.6711	2.86E-01	3.35E+01	2.52E+00	1.53E-01	3.65E+01	2.77E-01	1.42E-04	2.52E-01	2.99E-02	5.59E-01	3.11E-01	3.35E+01	2.52E+00	1.53E-01	3.65E+01
4939	475863.09	3862877.25	3.87449	3.01639	18.303	3.34822	2.95E-01	3.22E+01	2.02E+00	1.91E-01	3.47E+01	2.87E-01	1.36E-04	2.02E-01	3.75E-02	5.27E-01	3.22E-01	3.22E+01	2.02E+00	1.91E-01	3.47E+01
4940	476363.09	3862877.25	4.00353	2.83218	17.167	3.2097	3.05E-01	3.02E+01	1.90E+00	1.84E-01	3.26E+01	2.96E-01	1.28E-04	1.90E-01	3.59E-02	5.22E-01	3.32E-01	3.02E+01	1.90E+00	1.84E-01	3.26E+01
4941	476863.09	3862877.25	4.06643	2.64452	17.684	3.27628	3.10E-01	2.82E+01	1.96E+00	1.87E-01	3.07E+01	3.01E-01	1.19E-04	1.96E-01	3.67E-02	5.33E-01	3.38E-01	2.82E+01	1.96E+00	1.87E-01	3.07E+01
4942	477363.09	3862877.25	4.05475	2.6515	17.488	3.55612	3.09E-01	2.83E+01	1.93E+00	2.03E-01	3.07E+01	3.00E-01	1.20E-04	1.93E-01	3.98E-02	5.33E-01	3.37E-01	2.83E+01	1.93E+00	2.03E-01	3.08E+01
4943	477863.09	3862877.25	4.62876	2.35544	24.842	4.52151	3.53E-01	2.51E+01	2.75E+00	2.59E-01	2.85E+01	3.43E-01	1.06E-04	2.75E-01	5.06E-02	6.68E-01	3.84E-01	2.51E+01	2.75E+00	2.59E-01	2.85E+01
4944	478363.09	3862877.25	4.2735	1.46431	40.449	6.39768	3.26E-01	1.56E+01	4.47E+00	3.66E-01	2.08E+01	3.16E-01	6.60E-05	4.47E-01	7.16E-02	8.35E-01	3.55E-01	1.56E+01	4.47E+00	3.66E-01	2.08E+01
4945	478863.09	3862877.25	4.38945	1.47999	40.809	6.62672	3.35E-01	1.58E+01	4.51E+00	3.79E-01	2.10E+01	3.25E-01	6.67E-05	4.51E-01	7.42E-02	8.50E-01	3.64E-01	1.58E+01	4.51E+00	3.79E-01	2.10E+01
4946	479363.09	3862877.25	4.57303	1.49304	24.364	5.94984	3.49E-01	1.59E+01	2.69E+00	3.40E-01	1.93E+01	3.39E-01	6.73E-05	2.69E-01	6.66E-02	6.75E-01	3.80E-01	1.59E+01	2.69E+00	3.40E-01	1.93E+01
4947	479863.09	3862877.25	4.91586	2.99078	17.959	3.39835	3.75E-01	3.19E+01	1.99E+00	1.94E-01	3.45E+01	3.64E-01	1.35E-04	1.99E-01	3.80E-02	6.01E-01	4.08E-01	3.19E+01	1.99E+00	1.94E-01	3.45E+01
4948	480363.09	3862877.25	4.81221	3.15094	18.443	3.55714	3.67E-01	3.36E+01	2.04E+00	2.03E-01	3.62E+01	3.56E-01	1.42E-04	2.04E-01	3.98E-02	6.00E-01	4.00E-01	3.36E+01	2.04E+00	2.03E-01	3.63E+01
4949	480863.09	3862877.25	5.02311	3.40006	22.038	3.65166	3.83E-01	3.63E+01	2.44E+00	2.09E-01	3.93E+01	3.72E-01	1.53E-04	2.44E-01	4.09E-02	6.57E-01	4.17E-01	3.63E+01	2.44E+00	2.09E-01	3.93E+01
4950	481363.09	3862877.25	5.11503	3.62832	22.693	3.65917	3.90E-01	3.87E+01	2.51E+00	2.09E-01	4.18E+01	3.79E-01	1.64E-04	2.51E-01	4.10E-02	6.71E-01	4.25E-01	3.87E+01	2.51E+00	2.09E-01	4.19E+01
4951	481863.09	3862877.25	5.17576	3.68527	33.51	3.49198	3.95E-01	3.93E+01	3.70E+00	2.00E-01	4.36E+01	3.83E-01	1.66E-04	3.70E-01	3.91E-02	7.93E-01	4.30E-01	3.93E+01	3.70E+00	2.00E-01	4.37E+01
4952	482363.09	3862877.25	5.15612	3.7075	30.092	3.43323	3.93E-01	3.96E+01	3.33E+00	1.96E-01	4.35E+01	3.82E-01	1.67E-04	3.33E-01	3.84E-02	7.53E-01	4.28E-01	3.96E+01	3.33E+00	1.96E-01	4.35E+01
4953	482863.09	3862877.25	5.29506	4.565	22.579	4.84376	4.04E-01	4.87E+01	2.50E+00	2.77E-01	5.19E+01	3.92E-01	2.06E-04	2.50E-01	5.42E-02	6.96E-01	4.40E-01	4.87E+01	2.50E+00	2.77E-01	5.19E+01
4954	483363.09	3862877.25	5.39957	4.54406	22.549	5.43629	4.12E-01	4.85E+01	2.49E+00	3.11E-01	5.17E+01	4.00E-01	2.05E-04	2.49E-01	6.09E-02	7.10E-01	4.48E-01	4.85E+01	2.49E+00	3.11E-01	5.17E+01
4955	483863.09	3862877.25	6.94592	4.07228	21.409	4.67091	5.29E-01	4.35E+01	2.37E+00	2.67E-01	4.66E+01	5.14E-01	1.84E-04	2.37E-01	5.23E-02	8.03E-01	5.77E-01	4.35E+01	2.37E+00	2.67E-01	4.67E+01
4956	484363.09	3862877.25	9.38569	4.375	21.328	3.67003	7.15E-01	4.67E+01	2.36E+00	2.10E-01	5.00E+01	6.95E-01	1.97E-04	2.36E-01	4.11E-02	9.72E-01	7.79E-01	4.67E+01	2.36E+00	2.10E-01	5.00E+01
4957	484863.09	3862877.25	9.18479	5.54811	18.971	4.17202	7.00E-01	5.92E+01	2.10E+00	2.39E-01	6.22E+01	6.80E-01	2.50E-04	2.10E-01	4.67E-02	9.37E-01	7.63E-01	5.92E+01	2.10E+00	2.39E-01	6.23E+01
4958	485363.09	3862877.25	9.07367	5.49317	28.736	3.7223	6.92E-01	5.86E+01	3.18E+00	2.13E-01	6.27E+01	6.72E-01	2.48E-04	3.18E-01	4.17E-02	1.03E+00	7.53E-01	5.86E+01	3.18E+00	2.13E-01	6.28E+01
4959	485863.09	3862877.25	8.3854	6.34904	28.005	3.74685	6.39E-01	6.78E+01	3.10E+00	2.14E-01	7.17E+01	6.21E-01	2.86E-04	3.10E-01	4.19E-02	9.73E-01	6.96E-01	6.78E+01	3.10E+00	2.14E-01	7.18E+01
4960	486363.09	3862877.25	7.17412	6.82194	15.897	3.49811	5.47E-01	7.28E+01	1.76E+00	2.00E-01	7.53E+01	5.31E-01	3.08E-04	1.76E-01	3.92E-02	7.46E-01	5.96E-01	7.28E+01	1.76E+00	2.00E-01	7.54E+01
4961	486863.09	3862877.25	7.38665	7.37337	25.589	3.73151	5.63E-01	7.87E+01	2.83E+00	2.13E-01	8.23E+01	5.47E-01	3.32E-04	2.83E-01	4.18E-02	8.72E-01	6.13E-01	7.87E+01	2.83E+00	2.13E-01	8.23E+01
4962	487363.09	3862877.25	7.88081	7.51172	41.754	4.6736	6.01E-01	8.02E+01	4.62E+00	2.67E-01	8.56E+01	5.83E-01	3.39E-04	4.62E-01	5.23E-02	1.10E+00	6.54E-01	8.02E+01	4.62E+00	2.67E-01	8.57E+01
4963	487863.09	3862877.25	8.63914	8.1453	35.724	7.96769	6.58E-01	8.69E+01	3.95E+00	4.56E-01	9.20E+01	6.40E-01	3.67E-04	3.95E-01	8.92E-02	1.12E+00	7.17E-01	8.69E+01	3.95E+00	4.56E-01	9.20E+01
4964	488363.09	3862877.25	9.47271	7.53257	28.365	5.09313	7.22E-01	8.04E+01	3.14E+00	2.91E-01	8.45E+01	7.01E-01	3.40E-04	3.14E-01	5.70E-02	1.07E+00	7.86E-01	8.04E+01	3.14E+00	2.91E-01	8.46E+01
4965	488863.09	3862877.25	9.64368	9.94747	20.064	4.38418	7.35E-01	1.06E+02	2.22E+00	2.51E-01	1.09E+02	7.14E-01	4.48E-04	2.22E-01	4.91E-02	9.85E-01	8.01E-01	1.06E+02	2.22E+00	2.51E-01	1.09E+02
4966	489363.09	3862877.25	10.2129	15.1368	20.399	5.49307	7.78E-01	1.62E+02	2.26E+00	3.14E-01	1.65E+02	7.56E-01	6.82E-04	2.26E-01	6.15E-02	1.04E+00	8.48E-01	1.62E+02	2.26E+00	3.14E-01	1.65E+02
4967	489863.09	3862877.25	17.173	15.8789	13.007	6.75727	1.31E+00	1.69E+02	1.44E+00	3.86E-01	1.73E+02	1.27E+00	7.16E-04	1.44E-01	7.56E-02	1.49E+00	1.43E+00	1.69E+02	1.44E+00	3.86E-01	1.73E+02
4968	490363.09	3862877.25	15.8994	12.034	19.47	6.92462	1.21E+00	1.28E+02	2.15E+00	3.96E-01	1.32E+02	1.18E+00	5.42E-04	2.15E-01	7.75E-02	1.47E+00	1.32E+00	1.28E+02	2.15E+00	3.96E-01	1.32E+02
4969	490863.09	3862877.25	11.3205	13.3194	24.35	7.84384	8.63E-01	1.42E+02	2.69E+00	4.49E-01	1.46E+02	8.38E-01	6.00E-04	2.69E-01	8.78E-02	1.20E+00	9.40E-01	1.42E+02	2.69E+00	4.49E-01	1.46E+02
4970	491363.09	3862877.25	12.4352	14.1453	25.24	8.94001	9.48E-01	1.51E+02	2.79E+00	5.11E-01	1.55E+02	9.21E-01	6.38E-04	2.79E-01	1.00E-01	1.30E+00	1.03E+00	1.51E+02	2.79E+00	5.11E-01	1.55E+02
4971	491863.09	3862877.25	10.6436	12.9712	22.806	7.92628	8.11E-01	1.38E+02	2.52E+00	4.53E-01	1.42E+02	7.88E-01	5.85E-04	2.52E-01	8.87E-02	1.13E+00	8.84E-01	1.38E+02	2.52E+00	4.53E-01	1.42E+02
4972	492363.09	3862877.25	11.1843	11.8996	23.79	7.48974	8.52E-01	1.27E+02	2.63E+00	4.28E-01	1.31E+02	8.28E-01	5.36E-04	2.63E-01	8.38E-02	1.18E+00	9.29E-01	1.27E+02	2.63E+00	4.28E-01	1.31E+02
4973	492863.09	3862877.25	10.579	10.2837	22.363	7.05653	8.06E-01	1.10E+02	2.47E+00	4.04E-01	1.13E+02	7.83E-01	4.64E-04	2.47E-01	7.90E-02	1.11E+00	8.78E-01	1.10E+02	2.47E+00	4.04E-01	1.13E+02
4974	493363.09	3862877.25	9.31362	9.72696	22.911	6.58024	7.10E-01	1.04E+02	2.53E+00	3.76E-01	1.07E+02	6.90E-01	4.38E-04	2.53E-01	7.37E-02	1.02E+00	7.73E-01	1.04E+02	2.53E+00	3.76E-01	1.07E+02
4975	493863.09	3862877.25	9.87641	9.39849	25.106	7.15245	7.53E-01	1.00E+02	2.78E+00	4.09E-01	1.04E+02	7.31E-01	4.24E-04	2.78E-01	8.01E-02	1.09E+00	8.20E-01	1.00E+02	2.78E+00	4.09E-01	1.04E+02
4976	494363.09	3862877.25	8.63608	9.25186	18.175	6.99107	6.58E-01	9.87E+01	2.01E+00	4.00E-01	1.02E+02	6.39E-01	4.17E-04	2.01E-01	7.83E-02	9.19E-01	7.17E-01	9.87E+01	2.01E+00	4.00E-01	1.02E+02
4977	494863.09	3862877.25	8.63119	8.17111	19.874	6.30626	6.58E-01	8.72E+01	2.20E+00	3.61E-01	9.04E+01	6.39E-01	3.68E-04	2.20E-01	7.06E-02	9.30E-01	7.17E-01	8.72E+01	2.20E+00	3.61E-01	9.05E+01
4978	495363.09	3862877.25	7.72861	7.61583	18.134	5.61151	5.89E-01	8.13E+01	2.00E+00	3.21E-01	8.42E+01	5.72E-01	3.43E-04	2.00E-01	6.28E-02	8.36E-01	6.42E-01	8.13E+01	2.00E+00	3.21E-01	8.42E+01
4979	495863.09	3862877.25	7.72754	6.88709	18.804	5.40082	5.89E-01	7.35E+01	2.08E+00	3.09E-01	7.65E+01	5.72E-01	3.10E-04	2.08E-01	6.05E-02	8.41E-01	6.42E-01	7.35E+01	2.08E+00	3.09E-01	7.65E+01
4980	496363.09	3862877.25	7.26593	6.04911	21.757	5.04754	5.54E-01	6.46E+01	2.41E+00	2.89E-01	6.78E+01	5.38E-01	2.73E-04	2.41E-01	5.65E-02	8.35E-01	6.03E-01	6.46E+01	2.41E+00	2.89E-01	6.79E+01
4981	496863.09	3862877.25	7.21776	5.66536	20.271	4.61542	5.50E-01	6.05E+01	2.24E+00	2.64E-01	6.35E+01	5.34E-01	2.55E-04	2.24E-01	5.17E-02	8.10E-01	5.99E-01	6.05E+01	2.24E+00	2.64E-01	6.36E+01
4982	497363.09	3862877.25	7.84371	5.08913	17.217	4.12822	5.98E-01	5.43E+01	1.90E+00	2.36E-01	5.70E+01	5.81E-01	2.29E-04	1.90E-01	4.62E-02	8.17E-01	6.51E-01	5.43E+01	1.90E+00	2.36E-01	5.71E+01
4983	497863.09	3862877.25	6.95061	4.46432	18.119	3.65782	5.30E-01	4.76E+01	2.00E+00	2.09E-01	5.04E+01	5.15E-01	2.01E-04	2.00E-01	4.09E-02	7.56E-01	5.77E-01	4.76E+01	2.00E+00	2.09E-01	5.04E+01
4984	498363.09	3862877.25	7.16908	4.41227	17.47	3.52931	5.46E-01	4.71E+01	1.93E+00	2.02E-01	4.98E+01	5.31E-01	1.99E-04	1.93E-01	3.95E-02	7.64E-01	5.95E-01	4.71E+01	1.93E+00	2.02E-01	4.98E+01
4985	471363.09	3863377.25	3.87869	2.92819	12.49	2.70237	2.96E-01	3.12E+01	1.38E+00	1.55E-01	3.31E+01	2.87E-01	1.32E-04	1.38E-01	3.03E-02	4.56E-01	3.22E-01	3.12E+01	1.38E+00	1.55E-01	3.31E+01
4986	471863.09	3863377.25	3.92703	3.05157	16.526	2.47325	2.99E-01	3.26E+01	1.83E+00	1.41E-01	3.48E+01	2.91E-01	1.38E-04	1.83E-01	2.77E-02	5.01E-01	3.26E-01	3.26E+01	1.83E+00	1.41E-01	3.49E+01
4987	472363.09	3863377.25	3.89967	3.13391	20.507	2.5175	2.97E-01	3.34E+01	2.27E+00	1.44E-01	3.62E+01	2.89E-01	1.41E-04	2.27E-01	2.82E-02	5.44E-01	3.24E-01	3.34E+01	2.27E+00	1.44E-01	3.62E+01
4988	472863.09	3863377.25	3.78103	3.17123	23.617	2.60079	2.88E-01	3.38E+01	2.61E+00	1.49E-01	3.69E+01	2.80E-01	1.43E-04	2.61E-01	2.91E-02	5.70E-01	3.14E-01	3.38E+01	2.61E+00	1.49E-01	3.69E+01
4989	473363.09	3863377.25	3.59043	3.15179	24.986	2.69986	2.74E-01	3.36E+01	2.76E+00	1.54E-01	3.68E+01	2.66E-01	1.42E-04	2.76E-01	3.02E-02	5.72E-01	2.98E-01	3.36E+01	2.76E+00	1.54E-01	3.69E+01
4990	473863.09	3863377.25	3.42513	3.06607	23.89	2.82329	2.61E-01	3.27E+01	2.64E+00	1.61E-01	3.58E+01	2.54E-01	1.38E-04	2.64E-01	3.16E-02	5.49E-01	2.84E-01	3.27E+01	2.64E+00	1.61E-01	3.58E+01
4991	474363.09	3863377.25	3.52721	2.92623	20.482	2.93952	2.69E-01	3.12E+01	2.26E+00	1.68E-01	3.39E+01	2.61E-01	1.32E-04	2.26E-01	3.29E-02	5.21E-01	2.93E-01	3.12E+01	2.26E+00	1.68E-01	3.40E+01
4992	474863.09	3863377.25	3.57586	2.77554	16.368	2.9791	2.73E-01	2.96E+01	1.81E+00	1.70E-01	3.19E+01	2.65E-01	1.25E-04	1.81E-01	3.33E-02	4.79E-01	2.97E-01	2.96E+01	1.81E+00	1.70E-01	3.19E+01
4993	475363.09	3863377.25	3.73176	2.61208	16.168	3.43814	2.84E-01	2.79E+01	1.79E+00	1.97E-01	3.01E+01	2.76E-01	1.18E-04	1.79E-01	3.85E-02	4.94E-01	3.10E-01	2.79E+01	1.79E+00	1.97E-01	3.02E+01
4994	475863.09	3863377.25	3.82831	2.60235	16.421	3.17028	2.92E-01	2.78E+01	1.82E+00	1.81E-01	3.01E+01	2.83E-01	1.17E-04	1.82E-01	3.55E-02	5.01E-01	3.18E-01	2.78E+01	1.82E+00	1.81E-01	3.01E+01
4995	476363.09	3863377.25	3.84911	2.66233	16.093	2.6252	2.93E-01	2.84E+01	1.78E+00	1.50E-01	3.06E+01	2.85E-01	1.20E-04	1.78E-01	2.94E-02	4.92E-01	3.20E-01	2.84E+01	1.78E+00	1.50E-01	3.07E+01
4996	476863.09	3863377.25	3.84956	2.67118	23.404	2.6393	2.93E-01	2.85E+01	2.59E+00	1.51E-01	3.15E+01	2.85E-01	1.20E-04	2.59E-01	2.95E-02	5.73E-01	3.20E-01	2.85E+01	2.59E+00	1.51E-01	3.16E+01
4997	477363.09	3863377.25	4.32112	2.71183	28.615	2.82338	3.29E-01	2.89E+01	3.16E+00	1.61E-01	3.26E+01	3.20E-01	1.22E-04	3.16E-01	3.16E-02	6.68E-01	3.59E-01	2.89E+01	3.16E+00	1.61E-01	3.26E+01
4998	477863.09	3863377.25	4.56356	2.6232	28.376	3.30147	3.48E-01	2.80E+01	3.14E+00	1.89E-01	3.17E+01	3.38E-01	1.18E-04	3.14E-01	3.70E-02	6.89E-01	3.79E-01	2.80E+01	3.14E+00	1.89E-01	3.17E+01

4999	478363.09	3863377.25	4.60415	2.10404	22.708	6.00971	3.51E-01	2.25E+01	2.51E+00	3.44E-01	2.57E+01	3.41E-01	9.48E-05	2.51E-01	6.73E-02	6.59E-01	3.82E-01	2.25E+01	2.51E+00	3.44E-01	2.57E+01
5000	478863.09	3863377.25	4.72192	2.16342	16.5	6.20271	3.60E-01	2.31E+01	1.82E+00	3.55E-01	2.56E+01	3.50E-01	9.75E-05	1.82E-01	6.94E-02	6.02E-01	3.92E-01	2.31E+01	1.82E+00	3.55E-01	2.57E+01
5001	479363.09	3863377.25	4.63427	2.64848	16.24	3.36672	3.53E-01	2.83E+01	1.80E+00	1.93E-01	3.06E+01	3.43E-01	1.19E-04	1.80E-01	3.77E-02	5.60E-01	3.85E-01	2.83E+01	1.80E+00	1.93E-01	3.06E+01
5002	479863.09	3863377.25	4.48401	3.10934	19.234	3.4242	3.42E-01	3.32E+01	2.13E+00	1.96E-01	3.58E+01	3.32E-01	1.40E-04	2.13E-01	3.83E-02	5.83E-01	3.72E-01	3.32E+01	2.13E+00	1.96E-01	3.59E+01
5003	480363.09	3863377.25	4.72081	3.27623	21.165	3.37091	3.60E-01	3.50E+01	2.34E+00	1.93E-01	3.79E+01	3.49E-01	1.48E-04	2.34E-01	3.77E-02	6.21E-01	3.92E-01	3.50E+01	2.34E+00	1.93E-01	3.79E+01
5004	480863.09	3863377.25	4.84594	3.35461	23.082	3.49234	3.69E-01	3.58E+01	2.55E+00	2.00E-01	3.89E+01	3.59E-01	1.51E-04	2.55E-01	3.91E-02	6.53E-01	4.02E-01	3.58E+01	2.55E+00	2.00E-01	3.90E+01
5005	481363.09	3863377.25	4.85888	3.33472	30.71	3.17048	3.70E-01	3.56E+01	3.40E+00	1.81E-01	3.95E+01	3.60E-01	1.50E-04	3.40E-01	3.55E-02	7.35E-01	4.03E-01	3.56E+01	3.40E+00	1.81E-01	3.96E+01
5006	481863.09	3863377.25	4.80813	3.24245	26.411	3.05182	3.66E-01	3.46E+01	2.92E+00	1.75E-01	3.81E+01	3.56E-01	1.46E-04	2.92E-01	3.42E-02	6.82E-01	3.99E-01	3.46E+01	2.92E+00	1.75E-01	3.81E+01
5007	482363.09	3863377.25	4.96561	3.82096	20.514	3.5669	3.78E-01	4.08E+01	2.27E+00	2.04E-01	4.36E+01	3.68E-01	1.72E-04	2.27E-01	3.99E-02	6.35E-01	4.12E-01	4.08E+01	2.27E+00	2.04E-01	4.37E+01
5008	482863.09	3863377.25	5.00787	4.76807	19.843	4.78632	3.82E-01	5.09E+01	2.19E+00	2.74E-01	5.37E+01	3.71E-01	2.15E-04	2.19E-01	5.36E-02	6.44E-01	4.16E-01	5.09E+01	2.19E+00	2.74E-01	5.38E+01
5009	483363.09	3863377.25	5.16653	4.5749	20.075	5.17414	3.94E-01	4.88E+01	2.22E+00	2.96E-01	5.17E+01	3.82E-01	2.06E-04	2.22E-01	5.79E-02	6.63E-01	4.29E-01	4.88E+01	2.22E+00	2.96E-01	5.18E+01
5010	483863.09	3863377.25	7.30306	3.94034	19.797	4.3401	5.57E-01	4.21E+01	2.19E+00	2.48E-01	4.50E+01	5.41E-01	1.78E-04	2.19E-01	4.86E-02	8.08E-01	6.06E-01	4.21E+01	2.19E+00	2.48E-01	4.51E+01
5011	484363.09	3863377.25	9.15428	4.93057	13.837	3.94182	6.98E-01	5.26E+01	1.53E+00	2.25E-01	5.51E+01	6.78E-01	2.22E-04	1.53E-01	4.41E-02	8.75E-01	7.60E-01	5.26E+01	1.53E+00	2.25E-01	5.51E+01
5012	484863.09	3863377.25	9.17331	4.73712	28.089	3.62431	6.99E-01	5.06E+01	3.11E+00	2.07E-01	5.46E+01	6.79E-01	2.14E-04	3.11E-01	4.06E-02	1.03E+00	7.62E-01	5.06E+01	3.11E+00	2.07E-01	5.46E+01
5013	485363.09	3863377.25	8.9794	5.26144	24.415	3.40459	6.84E-01	5.61E+01	2.70E+00	1.95E-01	5.97E+01	6.65E-01	2.37E-04	2.70E-01	3.81E-02	9.73E-01	7.45E-01	5.61E+01	2.70E+00	1.95E-01	5.98E+01
5014	485863.09	3863377.25	7.91032	5.521	21.915	2.89255	6.03E-01	5.89E+01	2.42E+00	1.65E-01	6.21E+01	5.86E-01	2.49E-04	2.42E-01	3.24E-02	8.61E-01	6.57E-01	5.89E+01	2.42E+00	1.65E-01	6.22E+01
5015	486363.09	3863377.25	6.7613	6.1862	16.612	4.08951	5.15E-01	6.60E+01	1.84E+00	2.34E-01	6.86E+01	5.01E-01	2.79E-04	1.84E-01	4.58E-02	7.30E-01	5.61E-01	6.60E+01	1.84E+00	2.34E-01	6.86E+01
5016	486863.09	3863377.25	7.02953	6.56677	28.128	3.94446	5.36E-01	7.01E+01	3.11E+00	2.26E-01	7.39E+01	5.20E-01	2.96E-04	3.11E-01	4.42E-02	8.76E-01	5.84E-01	7.01E+01	3.11E+00	2.26E-01	7.40E+01
5017	487363.09	3863377.25	7.44851	6.5556	40.183	5.53674	5.68E-01	7.00E+01	4.44E+00	3.17E-01	7.53E+01	5.51E-01	2.96E-04	4.44E-01	6.20E-02	1.06E+00	6.18E-01	7.00E+01	4.44E+00	3.17E-01	7.53E+01
5018	487863.09	3863377.25	8.01951	7.73431	32.665	7.76667	6.11E-01	8.25E+01	3.61E+00	4.44E-01	8.72E+01	5.94E-01	3.49E-04	3.61E-01	8.69E-02	1.04E+00	6.66E-01	8.25E+01	3.61E+00	4.44E-01	8.73E+01
5019	488363.09	3863377.25	9.00554	6.8137	27.372	4.73746	6.86E-01	7.27E+01	3.03E+00	2.71E-01	7.67E+01	6.67E-01	3.07E-04	3.03E-01	5.30E-02	1.02E+00	7.48E-01	7.27E+01	3.03E+00	2.71E-01	7.68E+01
5020	488863.09	3863377.25	9.02797	7.56695	16.225	3.95248	6.88E-01	8.08E+01	1.79E+00	2.26E-01	8.35E+01	6.68E-01	3.41E-04	1.79E-01	4.42E-02	8.92E-01	7.50E-01	8.08E+01	1.79E+00	2.26E-01	8.35E+01
5021	489363.09	3863377.25	9.1374	11.0371	21.953	4.80433	6.96E-01	1.18E+02	2.43E+00	2.75E-01	1.21E+02	6.76E-01	4.98E-04	2.43E-01	5.38E-02	9.73E-01	7.59E-01	1.18E+02	2.43E+00	2.75E-01	1.21E+02
5022	489863.09	3863377.25	12.4337	14.5295	12.929	6.23019	9.48E-01	1.55E+02	1.43E+00	3.56E-01	1.58E+02	9.21E-01	6.55E-04	1.43E-01	6.97E-02	1.13E+00	1.03E+00	1.55E+02	1.43E+00	3.56E-01	1.58E+02
5023	490363.09	3863377.25	16.5937	13.2825	15.314	6.20687	1.26E+00	1.42E+02	1.69E+00	3.55E-01	1.45E+02	1.23E+00	5.99E-04	1.69E-01	6.95E-02	1.47E+00	1.38E+00	1.42E+02	1.69E+00	3.55E-01	1.45E+02
5024	490863.09	3863377.25	12.2272	11.0133	21.387	7.23553	9.32E-01	1.18E+02	2.36E+00	4.14E-01	1.21E+02	9.05E-01	4.96E-04	2.36E-01	8.10E-02	1.22E+00	1.02E+00	1.18E+02	2.36E+00	4.14E-01	1.21E+02
5025	491363.09	3863377.25	10.4386	11.8871	22.595	7.58965	7.96E-01	1.27E+02	2.50E+00	4.34E-01	1.31E+02	7.73E-01	5.36E-04	2.50E-01	8.50E-02	1.11E+00	8.67E-01	1.27E+02	2.50E+00	4.34E-01	1.31E+02
5026	491863.09	3863377.25	10.8877	12.5919	22.266	8.41523	8.30E-01	1.34E+02	2.46E+00	4.81E-01	1.38E+02	8.06E-01	5.68E-04	2.46E-01	9.42E-02	1.15E+00	9.04E-01	1.34E+02	2.46E+00	4.81E-01	1.38E+02
5027	492363.09	3863377.25	10.1361	11.9361	23.422	8.61394	7.73E-01	1.27E+02	2.59E+00	4.93E-01	1.31E+02	7.50E-01	5.38E-04	2.59E-01	9.64E-02	1.11E+00	8.42E-01	1.27E+02	2.59E+00	4.93E-01	1.31E+02
5028	492863.09	3863377.25	10.6196	10.9539	25.829	8.0611	8.09E-01	1.17E+02	2.86E+00	4.61E-01	1.21E+02	7.86E-01	4.94E-04	2.86E-01	9.02E-02	1.16E+00	8.82E-01	1.17E+02	2.86E+00	4.61E-01	1.21E+02
5029	493363.09	3863377.25	10.1582	11.0772	22.745	7.6162	7.74E-01	1.18E+02	2.51E+00	4.36E-01	1.22E+02	7.52E-01	4.99E-04	2.51E-01	8.53E-02	1.09E+00	8.43E-01	1.18E+02	2.51E+00	4.36E-01	1.22E+02
5030	493863.09	3863377.25	9.22942	9.76596	25.928	7.67073	7.03E-01	1.04E+02	2.87E+00	4.39E-01	1.08E+02	6.83E-01	4.40E-04	2.87E-01	8.59E-02	1.06E+00	7.66E-01	1.04E+02	2.87E+00	4.39E-01	1.08E+02
5031	494363.09	3863377.25	9.41486	8.59279	27.988	6.8107	7.18E-01	9.17E+01	3.09E+00	3.89E-01	9.59E+01	6.97E-01	3.87E-04	3.09E-01	7.62E-02	1.08E+00	7.82E-01	9.17E+01	3.09E+00	3.89E-01	9.60E+01
5032	494863.09	3863377.25	8.59264	8.77693	18.141	7.17086	6.55E-01	9.37E+01	2.01E+00	4.10E-01	9.67E+01	6.36E-01	3.96E-04	2.01E-01	8.03E-02	9.17E-01	7.13E-01	9.37E+01	2.01E+00	4.10E-01	9.68E+01
5033	495363.09	3863377.25	8.69455	8.76356	21.194	6.9834	6.63E-01	9.35E+01	2.34E+00	3.99E-01	9.69E+01	6.44E-01	3.95E-04	2.34E-01	7.82E-02	9.57E-01	7.22E-01	9.35E+01	2.34E+00	3.99E-01	9.70E+01
5034	495863.09	3863377.25	8.20702	8.03285	22.511	6.62903	6.26E-01	8.57E+01	2.49E+00	3.79E-01	8.92E+01	6.08E-01	3.62E-04	2.49E-01	7.42E-02	9.31E-01	6.81E-01	8.57E+01	2.49E+00	3.79E-01	8.93E+01
5035	496363.09	3863377.25	7.37649	7.00214	16.097	5.50847	5.62E-01	7.47E+01	1.78E+00	3.15E-01	7.74E+01	5.46E-01	3.16E-04	1.78E-01	6.17E-02	7.86E-01	6.12E-01	7.47E+01	1.78E+00	3.15E-01	7.74E+01
5036	496863.09	3863377.25	6.91931	6.22531	18.827	5.17821	5.27E-01	6.64E+01	2.08E+00	2.96E-01	6.93E+01	5.12E-01	2.81E-04	2.08E-01	5.80E-02	7.79E-01	5.74E-01	6.64E+01	2.08E+00	2.96E-01	6.94E+01
5037	497363.09	3863377.25	6.56313	5.54355	22.435	4.86947	5.00E-01	5.92E+01	2.48E+00	2.78E-01	6.24E+01	4.86E-01	2.50E-04	2.48E-01	5.45E-02	7.89E-01	5.45E-01	5.92E+01	2.48E+00	2.78E-01	6.25E+01
5038	497863.09	3863377.25	6.92505	5.24542	19.8	4.49143	5.28E-01	5.60E+01	2.19E+00	2.57E-01	5.90E+01	5.13E-01	2.36E-04	2.19E-01	5.03E-02	7.82E-01	5.75E-01	5.60E+01	2.19E+00	2.57E-01	5.90E+01
5039	498363.09	3863377.25	7.10566	4.81697	16.063	4.0489	5.42E-01	5.14E+01	1.78E+00	2.32E-01	5.40E+01	5.26E-01	2.17E-04	1.78E-01	4.53E-02	7.49E-01	5.90E-01	5.14E+01	1.78E+00	2.32E-01	5.40E+01
5040	471363.09	3863877.25	3.69062	3.12982	22.83	2.81897	2.81E-01	3.34E+01	2.52E+00	1.61E-01	3.64E+01	2.73E-01	1.41E-04	2.52E-01	3.16E-02	5.57E-01	3.06E-01	3.34E+01	2.52E+00	1.61E-01	3.64E+01
5041	471863.09	3863877.25	3.57531	3.06849	24.189	2.96947	2.73E-01	3.27E+01	2.67E+00	1.70E-01	3.59E+01	2.65E-01	1.38E-04	2.67E-01	3.32E-02	5.66E-01	2.97E-01	3.27E+01	2.67E+00	1.70E-01	3.59E+01
5042	472363.09	3863877.25	3.41487	2.97676	23.985	3.02148	2.60E-01	3.18E+01	2.65E+00	1.73E-01	3.49E+01	2.53E-01	1.34E-04	2.65E-01	3.38E-02	5.52E-01	2.84E-01	3.18E+01	2.65E+00	1.73E-01	3.49E+01
5043	472863.09	3863877.25	3.25407	2.8467	21.796	3.04155	2.48E-01	3.04E+01	2.41E+00	1.74E-01	3.32E+01	2.41E-01	1.28E-04	2.41E-01	3.40E-02	5.16E-01	2.70E-01	3.04E+01	2.41E+00	1.74E-01	3.32E+01
5044	473363.09	3863877.25	3.3099	2.71595	18.533	2.97241	2.52E-01	2.90E+01	2.05E+00	1.70E-01	3.15E+01	2.45E-01	1.22E-04	2.05E-01	3.33E-02	4.83E-01	2.75E-01	2.90E+01	2.05E+00	1.70E-01	3.15E+01
5045	473863.09	3863877.25	3.39267	2.58433	14.669	2.85897	2.59E-01	2.76E+01	1.62E+00	1.63E-01	2.96E+01	2.51E-01	1.16E-04	1.62E-01	3.20E-02	4.45E-01	2.82E-01	2.76E+01	1.62E+00	1.63E-01	2.96E+01
5046	474363.09	3863877.25	3.44279	2.50038	15.2	3.13036	2.62E-01	2.67E+01	1.68E+00	1.79E-01	2.88E+01	2.55E-01	1.13E-04	1.68E-01	3.50E-02	4.58E-01	2.86E-01	2.67E+01	1.68E+00	1.79E-01	2.88E+01
5047	474863.09	3863877.25	3.58941	2.46999	15.323	3.53039	2.74E-01	2.64E+01	1.69E+00	2.02E-01	2.85E+01	2.66E-01	1.11E-04	1.69E-01	3.95E-02	4.75E-01	2.98E-01	2.64E+01	1.69E+00	2.02E-01	2.86E+01
5048	475363.09	3863877.25	3.65426	2.48151	17.011	3.12921	2.79E-01	2.65E+01	1.88E+00	1.79E-01	2.88E+01	2.71E-01	1.12E-04	1.88E-01	3.50E-02	4.94E-01	3.03E-01	2.65E+01	1.88E+00	1.79E-01	2.88E+01
5049	475863.09	3863877.25	3.62582	2.55844	24.795	2.62586	2.76E-01	2.73E+01	2.74E+00	1.50E-01	3.05E+01	2.68E-01	1.15E-04	2.74E-01	2.94E-02	5.72E-01	3.01E-01	2.73E+01	2.74E+00	1.50E-01	3.05E+01
5050	476363.09	3863877.25	3.68318	2.60935	29.402	2.78863	2.81E-01	2.78E+01	3.25E+00	1.59E-01	3.15E+01	2.73E-01	1.18E-04	3.25E-01	3.12E-02	6.29E-01	3.06E-01	2.78E+01	3.25E+00	1.59E-01	3.16E+01
5051	476863.09	3863877.25	4.09939	2.63751	29.67	2.94125	3.12E-01	2.81E+01	3.28E+00	1.68E-01	3.19E+01	3.03E-01	1.19E-04	3.28E-01	3.29E-02	6.65E-01	3.40E-01	2.81E+01	3.28E+00	1.68E-01	3.19E+01
5052	477363.09	3863877.25	4.33611	2.61592	23.15	3.06464	3.31E-01	2.79E+01	2.56E+00	1.75E-01	3.10E+01	3.21E-01	1.18E-04	2.56E-01	3.43E-02	6.11E-01	3.60E-01	2.79E+01	2.56E+00	1.75E-01	3.10E+01
5053	477863.09	3863877.25	4.45658	2.54887	15.519	3.14927	3.40E-01	2.72E+01	1.72E+00	1.80E-01	2.94E+01	3.30E-01	1.15E-04	1.72E-01	3.53E-02	5.37E-01	3.70E-01	2.72E+01	1.72E+00	1.80E-01	2.95E+01
5054	478363.09	3863877.25	4.5226	2.31981	15.413	5.11093	3.45E-01	2.48E+01	1.70E+00	2.92E-01	2.71E+01	3.35E-01	1.05E-04	1.70E-01	5.72E-02	5.63E-01	3.75E-01	2.48E+01	1.70E+00	2.92E-01	2.71E+01
5055	478863.09	3863877.25	4.36119	2.79305	16.257	3.18397	3.32E-01	2.98E+01	1.80E+00	1.82E-01	3.21E+01	3.23E-01	1.26E-04	1.80E-01	3.56E-02	5.38E-01	3.62E-01	2.98E+01	1.80E+00	1.82E-01	3.21E+01
5056	479363.09	3863877.25	4.26179	3.01733	19.252	3.09607	3.25E-01	3.22E+01	2.13E+00	1.77E-01	3.48E+01	3.16E-01	1.36E-04	2.13E-01	3.47E-02	5.63E-01	3.54E-01	3.22E+01	2.13E+00	1.77E-01	3.49E+01
5057	479863.09	3863877.25	4.45634	3.0665	20.085	3.56457	3.40E-01	3.27E+01	2.22E+00	2.04E-01	3.55E+01	3.30E-01	1.38E-04	2.22E-01	3.99E-02	5.92E-01	3.70E-01	3.27E+01	2.22E+00	2.04E-01	3.55E+01
5058	480363.09	3863877.25	4.58358	3.02047	24.562	3.39574	3.49E-01	3.22E+01	2.72E+00	1.94E-01	3.55E+01	3.39E-01	1.36E-04	2.72E-01	3.80E-02	6.49E-01	3.81E-01	3.22E+01	2.72E+00	1.94E-01	3.55E+01
5059	480863.09	3863877.25	4.63639	2.90607	30.275	3.2758	3.53E-01	3.10E+01	3.35E+00	1.87E-01	3.49E+01	3.43E-01	1.31E-04	3.35E-01	3.67E-02	7.15E-01	3.85E-01	3.10E+01	3.35E+00	1.87E-01	3.49E+01

5060	481363.09	3863877.25	4.46698	2.86406	23.329	2.95615	3.40E-01	3.06E+01	2.58E+00	1.69E-01	3.37E+01	3.31E-01	1.29E-04	2.58E-01	3.31E-02	6.22E-01	3.71E-01	3.06E+01	2.58E+00	1.69E-01	3.37E+01
5061	481863.09	3863877.25	4.66685	2.99574	18.746	3.17191	3.56E-01	3.20E+01	2.07E+00	1.81E-01	3.46E+01	3.46E-01	1.35E-04	2.07E-01	3.55E-02	5.88E-01	3.87E-01	3.20E+01	2.07E+00	1.81E-01	3.46E+01
5062	482363.09	3863877.25	4.76822	4.08111	18.089	3.65965	3.63E-01	4.36E+01	2.00E+00	2.09E-01	4.61E+01	3.53E-01	1.84E-04	2.00E-01	4.10E-02	5.94E-01	3.96E-01	4.36E+01	2.00E+00	2.09E-01	4.62E+01
5063	482863.09	3863877.25	4.80022	4.88505	18.594	4.70244	3.66E-01	5.21E+01	2.06E+00	2.69E-01	5.48E+01	3.55E-01	2.20E-04	2.06E-01	5.26E-02	6.14E-01	3.99E-01	5.21E+01	2.06E+00	2.69E-01	5.49E+01
5064	483363.09	3863877.25	4.9515	4.47715	18.38	4.89604	3.77E-01	4.78E+01	2.03E+00	2.80E-01	5.05E+01	3.67E-01	2.02E-04	2.03E-01	5.48E-02	6.25E-01	4.11E-01	4.78E+01	2.03E+00	2.80E-01	5.05E+01
5065	483863.09	3863877.25	7.58259	4.43166	15.234	4.03858	5.78E-01	4.73E+01	1.68E+00	2.31E-01	4.98E+01	5.61E-01	2.00E-04	1.68E-01	4.52E-02	7.75E-01	6.30E-01	4.73E+01	1.68E+00	2.31E-01	4.98E+01
5066	484363.09	3863877.25	9.04345	4.20413	21.717	3.3432	6.89E-01	4.49E+01	2.40E+00	1.91E-01	4.81E+01	6.70E-01	1.90E-04	2.40E-01	3.74E-02	9.47E-01	7.51E-01	4.49E+01	2.40E+00	1.91E-01	4.82E+01
5067	484863.09	3863877.25	9.04673	4.58817	27.183	3.15292	6.90E-01	4.90E+01	3.01E+00	1.80E-01	5.28E+01	6.70E-01	2.07E-04	3.01E-01	3.53E-02	1.01E+00	7.51E-01	4.90E+01	3.01E+00	1.80E-01	5.29E+01
5068	485363.09	3863877.25	8.92039	5.12319	29.156	3.04595	6.80E-01	5.47E+01	3.22E+00	1.74E-01	5.88E+01	6.60E-01	2.31E-04	3.22E-01	3.41E-02	1.02E+00	7.41E-01	5.47E+01	3.22E+00	1.74E-01	5.88E+01
5069	485863.09	3863877.25	7.37842	5.36304	13.271	3.91875	5.62E-01	5.72E+01	1.47E+00	2.24E-01	5.95E+01	5.46E-01	2.42E-04	1.47E-01	4.39E-02	7.37E-01	6.13E-01	5.72E+01	1.47E+00	2.24E-01	5.95E+01
5070	486363.09	3863877.25	6.37847	5.70874	15.442	3.52123	4.86E-01	6.09E+01	1.71E+00	2.01E-01	6.33E+01	4.72E-01	2.57E-04	1.71E-01	3.94E-02	6.83E-01	5.30E-01	6.09E+01	1.71E+00	2.01E-01	6.34E+01
5071	486863.09	3863877.25	6.69583	6.01864	29.49	4.23182	5.10E-01	6.42E+01	3.26E+00	2.42E-01	6.82E+01	4.96E-01	2.71E-04	3.26E-01	4.74E-02	8.69E-01	5.56E-01	6.42E+01	3.26E+00	2.42E-01	6.83E+01
5072	487363.09	3863877.25	6.98259	6.55709	38.086	6.0789	5.32E-01	7.00E+01	4.21E+00	3.48E-01	7.51E+01	5.17E-01	2.96E-04	4.21E-01	6.80E-02	1.01E+00	5.80E-01	7.00E+01	4.21E+00	3.48E-01	7.51E+01
5073	487863.09	3863877.25	7.53307	7.24782	29.909	7.36804	5.74E-01	7.73E+01	3.31E+00	4.21E-01	8.16E+01	5.58E-01	3.27E-04	3.31E-01	8.25E-02	9.71E-01	6.25E-01	7.73E+01	3.31E+00	4.21E-01	8.17E+01
5074	488363.09	3863877.25	8.26069	5.88373	26.243	4.38973	6.30E-01	6.28E+01	2.90E+00	2.51E-01	6.66E+01	6.12E-01	2.65E-04	2.90E-01	4.91E-02	9.51E-01	6.86E-01	6.28E+01	2.90E+00	2.51E-01	6.66E+01
5075	488863.09	3863877.25	8.35209	6.61017	14.593	3.77053	6.37E-01	7.05E+01	1.61E+00	2.16E-01	7.30E+01	6.18E-01	2.98E-04	1.61E-01	4.22E-02	8.22E-01	6.93E-01	7.05E+01	1.61E+00	2.16E-01	7.31E+01
5076	489363.09	3863877.25	8.53133	8.15718	21.733	4.33752	6.50E-01	8.71E+01	2.40E+00	2.48E-01	9.04E+01	6.32E-01	3.68E-04	2.40E-01	4.86E-02	9.21E-01	7.08E-01	8.71E+01	2.40E+00	2.48E-01	9.04E+01
5077	489863.09	3863877.25	8.95304	11.7474	13.366	5.46434	6.82E-01	1.25E+02	1.48E+00	3.12E-01	1.28E+02	6.63E-01	5.30E-04	1.48E-01	6.12E-02	8.72E-01	7.43E-01	1.25E+02	1.48E+00	3.12E-01	1.28E+02
5078	490363.09	3863877.25	13.887	13.2878	12.289	6.25102	1.06E+00	1.42E+02	1.36E+00	3.57E-01	1.45E+02	1.03E+00	5.99E-04	1.36E-01	7.00E-02	1.23E+00	1.15E+00	1.42E+02	1.36E+00	3.57E-01	1.45E+02
5079	490863.09	3863877.25	14.7796	10.7925	16.958	5.68372	1.13E+00	1.15E+02	1.87E+00	3.25E-01	1.19E+02	1.09E+00	4.87E-04	1.87E-01	6.36E-02	1.35E+00	1.23E+00	1.15E+02	1.87E+00	3.25E-01	1.19E+02
5080	491363.09	3863877.25	9.38261	10.1523	21.208	7.1546	7.15E-01	1.08E+02	2.34E+00	4.09E-01	1.12E+02	6.95E-01	4.58E-04	2.34E-01	8.01E-02	1.01E+00	7.79E-01	1.08E+02	2.34E+00	4.09E-01	1.12E+02
5081	491863.09	3863877.25	10.2755	10.8691	25.171	7.57239	7.83E-01	1.16E+02	2.78E+00	4.33E-01	1.20E+02	7.61E-01	4.90E-04	2.78E-01	8.48E-02	1.12E+00	8.53E-01	1.16E+02	2.78E+00	4.33E-01	1.20E+02
5082	492363.09	3863877.25	10.6368	13.2766	25.839	8.55853	8.11E-01	1.42E+02	2.86E+00	4.89E-01	1.46E+02	7.87E-01	5.98E-04	2.86E-01	9.58E-02	1.17E+00	8.83E-01	1.42E+02	2.86E+00	4.89E-01	1.46E+02
5083	492863.09	3863877.25	10.0469	12.2262	25.401	11.57973	7.66E-01	1.30E+02	2.81E+00	6.62E-01	1.35E+02	7.44E-01	5.51E-04	2.81E-01	1.30E-01	1.15E+00	8.34E-01	1.30E+02	2.81E+00	6.62E-01	1.35E+02
5084	493363.09	3863877.25	10.042	11.5176	29.276	9.27562	7.65E-01	1.23E+02	3.24E+00	5.30E-01	1.27E+02	7.43E-01	5.19E-04	3.24E-01	1.04E-01	1.17E+00	8.34E-01	1.23E+02	3.24E+00	5.30E-01	1.28E+02
5085	493863.09	3863877.25	9.48343	10.9288	21.366	6.82268	7.23E-01	1.17E+02	2.36E+00	3.90E-01	1.20E+02	7.02E-01	4.93E-04	2.36E-01	7.64E-02	1.02E+00	7.87E-01	1.17E+02	2.36E+00	3.90E-01	1.20E+02
5086	494363.09	3863877.25	8.76445	9.36319	24.881	7.32854	6.68E-01	9.99E+01	2.75E+00	4.19E-01	1.04E+02	6.49E-01	4.22E-04	2.75E-01	8.20E-02	1.01E+00	7.28E-01	9.99E+01	2.75E+00	4.19E-01	1.04E+02
5087	494863.09	3863877.25	8.73494	9.08819	34.289	6.59139	6.66E-01	9.70E+01	3.79E+00	3.77E-01	1.02E+02	6.47E-01	4.10E-04	3.79E-01	7.38E-02	1.10E+00	7.25E-01	9.70E+01	3.79E+00	3.77E-01	1.02E+02
5088	495363.09	3863877.25	8.18108	8.50477	25.081	6.59978	6.24E-01	9.08E+01	2.77E+00	3.77E-01	9.45E+01	6.06E-01	3.83E-04	2.77E-01	7.39E-02	9.57E-01	6.79E-01	9.08E+01	2.77E+00	3.77E-01	9.46E+01
5089	495863.09	3863877.25	7.95874	8.47326	19.069	6.79069	6.07E-01	9.04E+01	2.11E+00	3.88E-01	9.35E+01	5.89E-01	3.82E-04	2.11E-01	7.60E-02	8.76E-01	6.61E-01	9.04E+01	2.11E+00	3.88E-01	9.36E+01
5090	496363.09	3863877.25	7.6052	7.47261	19.844	6.86553	5.80E-01	7.97E+01	2.19E+00	3.93E-01	8.29E+01	5.63E-01	3.37E-04	2.19E-01	7.69E-02	8.60E-01	6.31E-01	7.97E+01	2.19E+00	3.93E-01	8.30E+01
5091	496863.09	3863877.25	6.61824	6.9742	16.586	5.67898	5.04E-01	7.44E+01	1.83E+00	3.25E-01	7.71E+01	4.90E-01	3.14E-04	1.83E-01	6.36E-02	7.37E-01	5.49E-01	7.44E+01	1.83E+00	3.25E-01	7.71E+01
5092	497363.09	3863877.25	6.62181	6.39273	16.012	5.24927	5.05E-01	6.82E+01	1.77E+00	3.00E-01	7.08E+01	4.90E-01	2.88E-04	1.77E-01	5.88E-02	7.26E-01	5.50E-01	6.82E+01	1.77E+00	3.00E-01	7.08E+01
5093	497863.09	3863877.25	6.25094	5.77438	21.045	5.08157	4.76E-01	6.16E+01	2.33E+00	2.91E-01	6.47E+01	4.63E-01	2.60E-04	2.33E-01	5.69E-02	7.53E-01	5.19E-01	6.16E+01	2.33E+00	2.91E-01	6.48E+01
5094	498363.09	3863877.25	5.87913	5.18244	22.555	4.76175	4.48E-01	5.53E+01	2.49E+00	2.72E-01	5.85E+01	4.35E-01	2.34E-04	2.49E-01	5.33E-02	7.38E-01	4.88E-01	5.53E+01	2.49E+00	2.72E-01	5.86E+01
5095	471363.09	3864377.25	3.25584	2.77373	22.247	3.07933	2.48E-01	2.96E+01	2.46E+00	1.76E-01	3.25E+01	2.41E-01	1.25E-04	2.46E-01	3.45E-02	5.22E-01	2.70E-01	2.96E+01	2.46E+00	1.76E-01	3.25E+01
5096	471863.09	3864377.25	3.10594	2.64721	19.055	2.98245	2.37E-01	2.83E+01	2.11E+00	1.71E-01	3.08E+01	2.30E-01	1.19E-04	2.11E-01	3.34E-02	4.74E-01	2.58E-01	2.83E+01	2.11E+00	1.71E-01	3.08E+01
5097	472363.09	3864377.25	3.10746	2.54302	15.004	2.78551	2.37E-01	2.71E+01	1.66E+00	1.59E-01	2.92E+01	2.30E-01	1.15E-04	1.66E-01	3.12E-02	4.27E-01	2.58E-01	2.71E+01	1.66E+00	1.59E-01	2.92E+01
5098	472863.09	3864377.25	3.31895	2.46115	13.926	2.511	2.53E-01	2.63E+01	1.54E+00	1.44E-01	2.82E+01	2.46E-01	1.11E-04	1.54E-01	2.81E-02	4.28E-01	2.76E-01	2.63E+01	1.54E+00	1.44E-01	2.82E+01
5099	473363.09	3864377.25	3.28472	2.40123	14.294	2.57425	2.50E-01	2.56E+01	1.58E+00	1.47E-01	2.76E+01	2.43E-01	1.08E-04	1.58E-01	2.88E-02	4.30E-01	2.73E-01	2.56E+01	1.58E+00	1.47E-01	2.76E+01
5100	473863.09	3864377.25	3.34742	2.30633	14.254	3.2764	2.55E-01	2.46E+01	1.58E+00	1.87E-01	2.66E+01	2.48E-01	1.04E-04	1.58E-01	3.67E-02	4.42E-01	2.78E-01	2.46E+01	1.58E+00	1.87E-01	2.67E+01
5101	474363.09	3864377.25	3.4604	2.36085	17.896	3.44457	2.64E-01	2.52E+01	1.98E+00	1.97E-01	2.76E+01	2.56E-01	1.06E-04	1.98E-01	3.86E-02	4.93E-01	2.87E-01	2.52E+01	1.98E+00	1.97E-01	2.77E+01
5102	474863.09	3864377.25	3.47463	2.41593	24.383	3.10504	2.65E-01	2.58E+01	2.70E+00	1.78E-01	2.89E+01	2.57E-01	1.09E-04	2.70E-01	3.48E-02	5.62E-01	2.88E-01	2.58E+01	2.70E+00	1.78E-01	2.89E+01
5103	475363.09	3864377.25	3.41602	2.44527	29.296	2.92758	2.60E-01	2.61E+01	3.24E+00	1.67E-01	2.98E+01	2.53E-01	1.10E-04	3.24E-01	3.28E-02	6.10E-01	2.84E-01	2.61E+01	3.24E+00	1.67E-01	2.98E+01
5104	475863.09	3864377.25	3.52864	2.44508	29.178	2.98253	2.69E-01	2.61E+01	3.23E+00	1.71E-01	2.98E+01	2.61E-01	1.10E-04	3.23E-01	3.34E-02	6.17E-01	2.93E-01	2.61E+01	3.23E+00	1.71E-01	2.98E+01
5105	476363.09	3864377.25	3.91601	2.45079	24.646	2.96398	2.98E-01	2.62E+01	2.72E+00	1.69E-01	2.93E+01	2.90E-01	1.10E-04	2.72E-01	3.32E-02	5.96E-01	3.25E-01	2.62E+01	2.72E+00	1.69E-01	2.94E+01
5106	476863.09	3864377.25	4.14643	2.50528	16.594	3.02411	3.16E-01	2.67E+01	1.83E+00	1.73E-01	2.91E+01	3.07E-01	1.13E-04	1.83E-01	3.39E-02	5.24E-01	3.44E-01	2.67E+01	1.83E+00	1.73E-01	2.91E+01
5107	477363.09	3864377.25	4.22631	2.57855	14.856	3.04381	3.22E-01	2.75E+01	1.64E+00	1.74E-01	2.97E+01	3.13E-01	1.16E-04	1.64E-01	3.41E-02	5.11E-01	3.51E-01	2.75E+01	1.64E+00	1.74E-01	2.97E+01
5108	477863.09	3864377.25	4.23029	2.67876	14.112	2.99843	3.22E-01	2.86E+01	1.56E+00	1.71E-01	3.06E+01	3.13E-01	1.21E-04	1.56E-01	3.36E-02	5.03E-01	3.51E-01	2.86E+01	1.56E+00	1.71E-01	3.07E+01
5109	478363.09	3864377.25	4.06689	2.77805	16.873	2.875	3.10E-01	2.96E+01	1.87E+00	1.64E-01	3.20E+01	3.01E-01	1.25E-04	1.87E-01	3.22E-02	5.20E-01	3.38E-01	2.96E+01	1.87E+00	1.64E-01	3.20E+01
5110	478863.09	3864377.25	4.01718	2.82875	18.653	3.04492	3.06E-01	3.02E+01	2.06E+00	1.74E-01	3.27E+01	2.97E-01	1.28E-04	2.06E-01	3.41E-02	5.38E-01	3.34E-01	3.02E+01	2.06E+00	1.74E-01	3.28E+01
5111	479363.09	3864377.25	4.1644	2.7617	18.507	3.52986	3.17E-01	2.95E+01	2.05E+00	2.02E-01	3.20E+01	3.08E-01	1.24E-04	2.05E-01	3.95E-02	5.53E-01	3.46E-01	2.95E+01	2.05E+00	2.02E-01	3.21E+01
5112	479863.09	3864377.25	4.36013	2.63835	25.967	3.33088	3.32E-01	2.82E+01	2.87E+00	1.90E-01	3.15E+01	3.23E-01	1.19E-04	2.87E-01	3.73E-02	6.47E-01	3.62E-01	2.82E+01	2.87E+00	1.90E-01	3.16E+01
5113	480363.09	3864377.25	4.42938	2.50891	28.826	3.43977	3.38E-01	2.68E+01	3.19E+00	1.97E-01	3.05E+01	3.28E-01	1.13E-04	3.19E-01	3.85E-02	6.85E-01	3.68E-01	2.68E+01	3.19E+00	1.97E-01	3.05E+01
5114	480863.09	3864377.25	4.30534	2.68148	20.226	2.99862	3.28E-01	2.86E+01	2.24E+00	1.71E-01	3.14E+01	3.19E-01	1.21E-04	2.24E-01	3.36E-02	5.76E-01	3.57E-01	2.86E+01	2.24E+00	1.71E-01	3.14E+01
5115	481363.09	3864377.25	4.3626	2.81323	17.232	3.20527	3.33E-01	3.00E+01	1.91E+00	1.83E-01	3.24E+01	3.23E-01	1.27E-04	1.91E-01	3.59E-02	5.50E-01	3.62E-01	3.00E+01	1.91E+00	1.83E-01	3.25E+01
5116	481863.09	3864377.25	4.51111	2.97777	16.369	3.28028	3.44E-01	3.18E+01	1.81E+00	1.88E-01	3.41E+01	3.34E-01	1.34E-04	1.81E-01	3.67E-02	5.52E-01	3.75E-01	3.18E+01	1.81E+00	1.88E-01	3.41E+01
5117	482363.09	3864377.25	4.51053	4.08107	17.187	3.69996	3.44E-01	4.36E+01	1.90E+00	2.12E-01	4.60E+01	3.34E-01	1.84E-04	1.90E-01	4.14E-02	5.66E-01	3.74E-01	4.36E+01	1.90E+00	2.12E-01	4.60E+01
5118	482863.09	3864377.25	4.64509	4.70789	17.589	4.58196	3.54E-01	5.02E+01	1.94E+00	2.62E-01	5.28E+01	3.44E-01	2.12E-04	1.94E-01	5.13E-02	5.90E-01	3.86E-01	5.02E+01	1.94E+00	2.62E-01	5.28E+01
5119	483363.09	3864377.25	4.74552	4.1671	15.732	4.62399	3.62E-01	4.45E+01	1.74E+00	2.64E-01	4.68E+01	3.51E-01	1.88E-04	1.74E-01	5.18E-02	5.77E-01	3.94E-01	4.45E+01	1.74E+00	2.64E-01	4.69E+01
5120	483863.09	3864377.25	7.72258	3.79933	15.061	3.74366	5.89E-01	4.05E+01	1.67E+00	2.14E-01	4.30E+01	5.72E-01	1.71E-04	1.67E-01	4.19E-02	7.80E-01	6.41E-01	4.05E+01	1.67E+00	2.14E-01	4.31E+01

5121	484363.09	3864377.25	8.93362	3.9729	28.474	3.18911	6.81E-01	4.24E+01	3.15E+00	1.82E-01	4.64E+01	6.61E-01	1.79E-04	3.15E-01	3.57E-02	1.01E+00	7.42E-01	4.24E+01	3.15E+00	1.82E-01	4.65E+01
5122	484863.09	3864377.25	8.90004	4.52848	24.025	2.93852	6.78E-01	4.83E+01	2.66E+00	1.68E-01	5.18E+01	6.59E-01	2.04E-04	2.66E-01	3.29E-02	9.58E-01	7.39E-01	4.83E+01	2.66E+00	1.68E-01	5.19E+01
5123	485363.09	3864377.25	8.76449	4.45538	24.46	2.9539	6.68E-01	4.75E+01	2.70E+00	1.69E-01	5.11E+01	6.49E-01	2.01E-04	2.70E-01	3.31E-02	9.53E-01	7.28E-01	4.75E+01	2.70E+00	1.69E-01	5.11E+01
5124	485863.09	3864377.25	6.65372	5.28585	17.756	3.88618	5.07E-01	5.64E+01	1.96E+00	2.22E-01	5.91E+01	4.93E-01	2.38E-04	1.96E-01	4.35E-02	7.33E-01	5.52E-01	5.64E+01	1.96E+00	2.22E-01	5.91E+01
5125	486363.09	3864377.25	6.01109	5.0783	16.574	3.5805	4.58E-01	5.42E+01	1.83E+00	2.05E-01	5.67E+01	4.45E-01	2.29E-04	1.83E-01	4.01E-02	6.69E-01	4.99E-01	5.42E+01	1.83E+00	2.05E-01	5.67E+01
5126	486863.09	3864377.25	6.40176	5.31293	30.147	4.564	4.88E-01	5.67E+01	3.33E+00	2.61E-01	6.08E+01	4.74E-01	2.39E-04	3.33E-01	5.11E-02	8.59E-01	5.31E-01	5.67E+01	3.33E+00	2.61E-01	6.08E+01
5127	487363.09	3864377.25	6.50704	7.02603	35.972	6.38097	4.96E-01	7.50E+01	3.98E+00	3.65E-01	7.98E+01	4.82E-01	3.17E-04	3.98E-01	7.14E-02	9.51E-01	5.40E-01	7.50E+01	3.98E+00	3.65E-01	7.99E+01
5128	487863.09	3864377.25	6.97993	6.75159	27.5	6.91616	5.32E-01	7.21E+01	3.04E+00	3.95E-01	7.60E+01	5.17E-01	3.04E-04	3.04E-01	7.74E-02	8.99E-01	5.79E-01	7.21E+01	3.04E+00	3.95E-01	7.61E+01
5129	488363.09	3864377.25	7.28943	5.36012	25.739	4.0484	5.56E-01	5.72E+01	2.85E+00	2.32E-01	6.08E+01	5.40E-01	2.42E-04	2.85E-01	4.53E-02	8.70E-01	6.05E-01	5.72E+01	2.85E+00	2.32E-01	6.09E+01
5130	488863.09	3864377.25	7.95626	5.90731	14.966	3.5319	6.06E-01	6.30E+01	1.65E+00	2.02E-01	6.55E+01	5.89E-01	2.66E-04	1.65E-01	3.95E-02	7.94E-01	6.61E-01	6.30E+01	1.65E+00	2.02E-01	6.56E+01
5131	489363.09	3864377.25	7.99211	6.67498	20.357	4.00979	6.09E-01	7.12E+01	2.25E+00	2.29E-01	7.43E+01	5.92E-01	3.01E-04	2.25E-01	4.49E-02	8.62E-01	6.64E-01	7.12E+01	2.25E+00	2.29E-01	7.44E+01
5132	489863.09	3864377.25	8.12037	8.92859	16.02	4.81437	6.19E-01	9.53E+01	1.77E+00	2.75E-01	9.79E+01	6.01E-01	4.02E-04	1.77E-01	5.39E-02	8.33E-01	6.74E-01	9.53E+01	1.77E+00	2.75E-01	9.80E+01
5133	490363.09	3864377.25	9.78656	11.8415	10.179	5.79186	7.46E-01	1.26E+02	1.13E+00	3.31E-01	1.29E+02	7.25E-01	5.34E-04	1.13E-01	6.48E-02	9.02E-01	8.12E-01	1.26E+02	1.13E+00	3.31E-01	1.29E+02
5134	490863.09	3864377.25	14.2919	11.8031	13.178	5.83743	1.09E+00	1.26E+02	1.46E+00	3.34E-01	1.29E+02	1.06E+00	5.32E-04	1.46E-01	6.53E-02	1.27E+00	1.19E+00	1.26E+02	1.46E+00	3.34E-01	1.29E+02
5135	491363.09	3864377.25	12.9043	9.58588	19.812	6.79048	9.84E-01	1.02E+02	2.19E+00	3.88E-01	1.06E+02	9.55E-01	4.32E-04	2.19E-01	7.60E-02	1.25E+00	1.07E+00	1.02E+02	2.19E+00	3.88E-01	1.06E+02
5136	491863.09	3864377.25	8.79211	2.30044	19.951	11.58649	6.70E-01	2.45E+01	2.21E+00	6.63E-01	2.81E+01	6.51E-01	1.04E-04	2.21E-01	1.30E-01	1.00E+00	7.30E-01	2.45E+01	2.21E+00	6.63E-01	2.81E+01
5137	492363.09	3864377.25	13.3756	8.10568	25.106	18.1947	1.02E+00	8.65E+01	2.78E+00	1.04E+00	9.13E+01	9.90E-01	3.65E-04	2.78E-01	2.04E-01	1.47E+00	1.11E+00	8.65E+01	2.78E+00	1.04E+00	9.14E+01
5138	492863.09	3864377.25	12.1986	4.1143	75.666	14.45155	9.30E-01	4.39E+01	8.37E+00	8.26E-01	5.40E+01	9.03E-01	1.85E-04	8.37E-01	1.62E-01	1.90E+00	1.01E+00	4.39E+01	8.37E+00	8.26E-01	5.41E+01
5139	493363.09	3864377.25	13.2164	7.01082	89.704	14.67612	1.01E+00	7.48E+01	9.92E+00	8.39E-01	8.66E+01	9.78E-01	3.16E-04	9.92E-01	1.64E-01	2.13E+00	1.10E+00	7.48E+01	9.92E+00	8.39E-01	8.67E+01
5140	493863.09	3864377.25	11.3088	10.0849	30.29	10.94343	8.62E-01	1.08E+02	3.35E+00	6.26E-01	1.12E+02	8.37E-01	4.55E-04	3.35E-01	1.23E-01	1.30E+00	9.39E-01	1.08E+02	3.35E+00	6.26E-01	1.13E+02
5141	494363.09	3864377.25	8.75884	10.3439	20.119	6.43649	6.68E-01	1.10E+02	2.22E+00	3.68E-01	1.14E+02	6.48E-01	4.66E-04	2.22E-01	7.21E-02	9.43E-01	7.27E-01	1.10E+02	2.22E+00	3.68E-01	1.14E+02
5142	494863.09	3864377.25	8.25567	9.53341	23.185	6.80939	6.29E-01	1.02E+02	2.56E+00	3.89E-01	1.05E+02	6.11E-01	4.30E-04	2.56E-01	7.62E-02	9.44E-01	6.85E-01	1.02E+02	2.56E+00	3.89E-01	1.05E+02
5143	495363.09	3864377.25	7.8871	8.64845	33.031	6.712	6.01E-01	9.23E+01	3.65E+00	3.84E-01	9.69E+01	5.84E-01	3.90E-04	3.65E-01	7.51E-02	1.02E+00	6.55E-01	9.23E+01	3.65E+00	3.84E-01	9.70E+01
5144	495863.09	3864377.25	7.56683	8.27422	26.9	5.84872	5.77E-01	8.83E+01	2.97E+00	3.34E-01	9.22E+01	5.60E-01	3.73E-04	2.97E-01	6.55E-02	9.23E-01	6.28E-01	8.83E+01	2.97E+00	3.34E-01	9.22E+01
5145	496363.09	3864377.25	6.99988	7.56633	16.161	6.38287	5.34E-01	8.07E+01	1.79E+00	3.65E-01	8.34E+01	5.18E-01	3.41E-04	1.79E-01	7.15E-02	7.69E-01	5.81E-01	8.07E+01	1.79E+00	3.65E-01	8.35E+01
5146	496863.09	3864377.25	7.12822	7.68489	18.93	7.15686	5.43E-01	8.20E+01	2.09E+00	4.09E-01	8.51E+01	5.28E-01	3.46E-04	2.09E-01	8.01E-02	8.17E-01	5.92E-01	8.20E+01	2.09E+00	4.09E-01	8.51E+01
5147	497363.09	3864377.25	6.58224	6.62106	17.464	6.58825	5.02E-01	7.07E+01	1.93E+00	3.77E-01	7.35E+01	4.87E-01	2.98E-04	1.93E-01	7.38E-02	7.54E-01	5.46E-01	7.07E+01	1.93E+00	3.77E-01	7.35E+01
5148	497863.09	3864377.25	6.46484	6.43979	14.582	6.35923	4.93E-01	6.87E+01	1.61E+00	3.64E-01	7.12E+01	4.79E-01	2.90E-04	1.61E-01	7.12E-02	7.11E-01	5.37E-01	6.87E+01	1.61E+00	3.64E-01	7.12E+01
5149	498363.09	3864377.25	6.04739	5.91687	17.257	5.08942	4.61E-01	6.31E+01	1.91E+00	2.91E-01	6.58E+01	4.48E-01	2.67E-04	1.91E-01	5.70E-02	6.96E-01	5.02E-01	6.31E+01	1.91E+00	2.91E-01	6.58E+01
5150	471363.09	3864877.25	2.91012	2.41162	12.747	2.32937	2.22E-01	2.57E+01	1.41E+00	1.33E-01	2.75E+01	2.15E-01	1.09E-04	1.41E-01	2.61E-02	3.83E-01	2.42E-01	2.57E+01	1.41E+00	1.33E-01	2.75E+01
5151	471863.09	3864877.25	3.19158	2.30288	13.225	2.32686	2.43E-01	2.46E+01	1.46E+00	1.33E-01	2.64E+01	2.36E-01	1.04E-04	1.46E-01	2.60E-02	4.09E-01	2.65E-01	2.46E+01	1.46E+00	1.33E-01	2.64E+01
5152	472363.09	3864877.25	3.30706	2.15628	13.408	2.45308	2.52E-01	2.30E+01	1.48E+00	1.40E-01	2.49E+01	2.45E-01	9.72E-05	1.48E-01	2.75E-02	4.21E-01	2.75E-01	2.30E+01	1.48E+00	1.40E-01	2.49E+01
5153	472863.09	3864877.25	3.30519	2.18053	13.248	2.70979	2.52E-01	2.33E+01	1.46E+00	1.55E-01	2.51E+01	2.45E-01	9.83E-05	1.46E-01	3.03E-02	4.22E-01	2.74E-01	2.33E+01	1.46E+00	1.55E-01	2.52E+01
5154	473363.09	3864877.25	3.25187	2.24392	18.17	3.33035	2.48E-01	2.39E+01	2.01E+00	1.90E-01	2.64E+01	2.41E-01	1.01E-04	2.01E-01	3.73E-02	4.79E-01	2.70E-01	2.39E+01	2.01E+00	1.90E-01	2.64E+01
5155	473863.09	3864877.25	3.31958	2.27606	23.424	3.43284	2.53E-01	2.43E+01	2.59E+00	1.96E-01	2.73E+01	2.46E-01	1.03E-04	2.59E-01	3.84E-02	5.43E-01	2.76E-01	2.43E+01	2.59E+00	1.96E-01	2.74E+01
5156	474363.09	3864877.25	3.30702	2.28652	27.374	3.11459	2.52E-01	2.44E+01	3.03E+00	1.78E-01	2.79E+01	2.45E-01	1.03E-04	3.03E-01	3.49E-02	5.82E-01	2.75E-01	2.44E+01	3.03E+00	1.78E-01	2.79E+01
5157	474863.09	3864877.25	3.31679	2.27336	27.416	3.02605	2.53E-01	2.43E+01	3.03E+00	1.73E-01	2.77E+01	2.46E-01	1.02E-04	3.03E-01	3.39E-02	5.83E-01	2.75E-01	2.43E+01	3.03E+00	1.73E-01	2.77E+01
5158	475363.09	3864877.25	3.38706	2.28725	23.35	2.85712	2.58E-01	2.44E+01	2.58E+00	1.63E-01	2.74E+01	2.51E-01	1.03E-04	2.58E-01	3.20E-02	5.41E-01	2.81E-01	2.44E+01	2.58E+00	1.63E-01	2.74E+01
5159	475863.09	3864877.25	3.73733	2.37606	16.233	2.89622	2.85E-01	2.54E+01	1.79E+00	1.66E-01	2.76E+01	2.77E-01	1.07E-04	1.79E-01	3.24E-02	4.89E-01	3.10E-01	2.54E+01	1.79E+00	1.66E-01	2.76E+01
5160	476363.09	3864877.25	3.95634	2.44282	13.816	2.88256	3.02E-01	2.61E+01	1.53E+00	1.65E-01	2.81E+01	2.93E-01	1.10E-04	1.53E-01	3.23E-02	4.78E-01	3.28E-01	2.61E+01	1.53E+00	1.65E-01	2.81E+01
5161	476863.09	3864877.25	4.05527	2.51186	13.636	2.8032	3.09E-01	2.68E+01	1.51E+00	1.60E-01	2.88E+01	3.00E-01	1.13E-04	1.51E-01	3.14E-02	4.82E-01	3.37E-01	2.68E+01	1.51E+00	1.60E-01	2.88E+01
5162	477363.09	3864877.25	4.03356	2.58101	14.65	2.67605	3.07E-01	2.75E+01	1.62E+00	1.53E-01	2.96E+01	2.99E-01	1.16E-04	1.62E-01	3.00E-02	4.91E-01	3.35E-01	2.75E+01	1.62E+00	1.53E-01	2.97E+01
5163	477863.09	3864877.25	3.83786	2.57775	16.733	3.26995	2.93E-01	2.75E+01	1.85E+00	1.87E-01	2.98E+01	2.84E-01	1.16E-04	1.85E-01	3.66E-02	5.06E-01	3.19E-01	2.75E+01	1.85E+00	1.87E-01	2.99E+01
5164	478363.09	3864877.25	3.82177	2.54583	17.622	3.66621	2.91E-01	2.72E+01	1.95E+00	2.10E-01	2.96E+01	2.83E-01	1.15E-04	1.95E-01	4.10E-02	5.19E-01	3.17E-01	2.72E+01	1.95E+00	2.10E-01	2.96E+01
5165	478863.09	3864877.25	3.93682	2.41887	18.662	3.52677	3.00E-01	2.58E+01	2.06E+00	2.02E-01	2.84E+01	2.91E-01	1.09E-04	2.06E-01	3.95E-02	5.37E-01	3.27E-01	2.58E+01	2.06E+00	2.02E-01	2.84E+01
5166	479363.09	3864877.25	4.13084	2.26967	25.748	3.25733	3.15E-01	2.42E+01	2.85E+00	1.86E-01	2.76E+01	3.06E-01	1.02E-04	2.85E-01	3.65E-02	6.27E-01	3.43E-01	2.42E+01	2.85E+00	1.86E-01	2.76E+01
5167	479863.09	3864877.25	4.2124	2.42432	25.693	3.03598	3.21E-01	2.59E+01	2.84E+00	1.74E-01	2.92E+01	3.12E-01	1.09E-04	2.84E-01	3.40E-02	6.30E-01	3.50E-01	2.59E+01	2.84E+00	1.74E-01	2.92E+01
5168	480363.09	3864877.25	4.16882	2.49156	17.873	3.14002	3.18E-01	2.66E+01	1.98E+00	1.80E-01	2.91E+01	3.09E-01	1.12E-04	1.98E-01	3.52E-02	5.41E-01	3.46E-01	2.66E+01	1.98E+00	1.80E-01	2.91E+01
5169	480863.09	3864877.25	4.09311	2.67609	15.948	3.1493	3.12E-01	2.86E+01	1.76E+00	1.80E-01	3.08E+01	3.03E-01	1.21E-04	1.76E-01	3.53E-02	5.15E-01	3.40E-01	2.86E+01	1.76E+00	1.80E-01	3.08E+01
5170	481363.09	3864877.25	4.26335	2.70607	14.968	3.07315	3.25E-01	2.89E+01	1.65E+00	1.76E-01	3.10E+01	3.16E-01	1.22E-04	1.65E-01	3.44E-02	5.16E-01	3.54E-01	2.89E+01	1.65E+00	1.76E-01	3.11E+01
5171	481863.09	3864877.25	4.32406	2.85694	15.731	3.50172	3.30E-01	3.05E+01	1.74E+00	2.00E-01	3.28E+01	3.20E-01	1.29E-04	1.74E-01	3.92E-02	5.33E-01	3.59E-01	3.05E+01	1.74E+00	2.00E-01	3.28E+01
5172	482363.09	3864877.25	4.26049	4.02798	16.632	3.71129	3.25E-01	4.30E+01	1.84E+00	2.12E-01	4.54E+01	3.15E-01	1.82E-04	1.84E-01	4.15E-02	5.41E-01	3.54E-01	4.30E+01	1.84E+00	2.12E-01	4.54E+01
5173	482863.09	3864877.25	4.48619	4.53287	15.703	4.4423	3.42E-01	4.84E+01	1.74E+00	2.54E-01	5.07E+01	3.32E-01	2.04E-04	1.74E-01	4.97E-02	5.56E-01	3.72E-01	4.84E+01	1.74E+00	2.54E-01	5.07E+01
5174	483363.09	3864877.25	4.5456	3.92263	11.683	4.37561	3.46E-01	4.19E+01	1.29E+00	2.50E-01	4.37E+01	3.37E-01	1.77E-04	1.29E-01	4.90E-02	5.15E-01	3.77E-01	4.19E+01	1.29E+00	2.50E-01	4.38E+01
5175	483863.09	3864877.25	7.84931	3.57507	24.187	3.49452	5.98E-01	3.82E+01	2.67E+00	2.00E-01	4.16E+01	5.81E-01	1.61E-04	2.67E-01	3.91E-02	8.88E-01	6.52E-01	3.82E+01	2.67E+00	2.00E-01	4.17E+01
5176	484363.09	3864877.25	8.82325	3.88637	25.473	3.14442	6.73E-01	4.15E+01	2.82E+00	1.80E-01	4.51E+01	6.53E-01	1.75E-04	2.82E-01	3.52E-02	9.70E-01	7.33E-01	4.15E+01	2.82E+00	1.80E-01	4.52E+01
5177	484863.09	3864877.25	8.82515	3.9418	28.301	2.60089	6.73E-01	4.21E+01	3.13E+00	1.49E-01	4.60E+01	6.53E-01	1.78E-04	3.13E-01	2.91E-02	9.96E-01	7.33E-01	4.21E+01	3.13E+00	1.49E-01	4.61E+01
5178	485363.09	3864877.25	8.65021	4.36092	16.12	3.87059	6.59E-01	4.65E+01	1.78E+00	2.21E-01	4.92E+01	6.40E-01	1.97E-04	1.78E-01	4.33E-02	8.62E-01	7.18E-01	4.65E+01	1.78E+00	2.21E-01	4.93E+01
5179	485863.09	3864877.25	5.94519	5.29657	20.762	3.64703	4.53E-01	5.65E+01	2.30E+00	2.09E-01	5.95E+01	4.40E-01	2.39E-04	2.30E-01	4.08E-02	7.11E-01	4.94E-01	5.65E+01	2.30E+00	2.09E-01	5.95E+01
5180	486363.09	3864877.25	5.65032	4.75135	18.441	3.68209	4.31E-01	5.07E+01	2.04E+00	2.11E-01	5.34E+01	4.18E-01	2.14E-04	2.04E-01	4.12E-02	6.64E-01	4.69E-01	5.07E+01	2.04E+00	2.11E-01	5.34E+01
5181	486863.09	3864877.25	6.12692	4.83306	30.203	4.86261	4.67E-01	5.16E+01	3.34E+00	2.78E-01	5.57E+01	4.54E-01	2.18E-04	3.34E-01	5.44E-02	8.42E-01	5.09E-01	5.16E+01	3.34E+00	2.78E-01	5.57E+01

5182	487363.09	3864877.25	6.22829	7.23441	33.703	6.44372	4.75E-01	7.72E+01	3.73E+00	3.68E-01	8.18E+01	4.61E-01	3.26E-04	3.73E-01	7.21E-02	9.06E-01	5.17E-01	7.72E+01	3.73E+00	3.68E-01	8.18E+01
5183	487863.09	3864877.25	6.4769	6.15859	25.245	6.41457	4.94E-01	6.57E+01	2.79E+00	3.67E-01	6.94E+01	4.80E-01	2.78E-04	2.79E-01	7.18E-02	8.31E-01	5.38E-01	6.57E+01	2.79E+00	3.67E-01	6.94E+01
5184	488363.09	3864877.25	6.84791	4.92251	25.963	4.23321	5.22E-01	5.25E+01	2.87E+00	2.42E-01	5.62E+01	5.07E-01	2.22E-04	2.87E-01	4.74E-02	8.42E-01	5.69E-01	5.25E+01	2.87E+00	2.42E-01	5.62E+01
5185	488863.09	3864877.25	7.65208	5.04292	16.018	3.20698	5.83E-01	5.38E+01	1.77E+00	1.83E-01	5.64E+01	5.67E-01	2.27E-04	1.77E-01	3.59E-02	7.80E-01	6.35E-01	5.38E+01	1.77E+00	1.83E-01	5.64E+01
5186	489363.09	3864877.25	7.38509	5.88651	18.344	4.01126	5.63E-01	6.28E+01	2.03E+00	2.29E-01	6.56E+01	5.47E-01	2.65E-04	2.03E-01	4.49E-02	7.95E-01	6.13E-01	6.28E+01	2.03E+00	2.29E-01	6.57E+01
5187	489863.09	3864877.25	7.71117	7.02612	19.104	4.32768	5.88E-01	7.50E+01	2.11E+00	2.47E-01	7.79E+01	5.71E-01	3.17E-04	2.11E-01	4.84E-02	8.31E-01	6.40E-01	7.50E+01	2.11E+00	2.47E-01	7.80E+01
5188	490363.09	3864877.25	7.98891	9.59025	11.892	5.20478	6.09E-01	1.02E+02	1.31E+00	2.98E-01	1.05E+02	5.91E-01	4.32E-04	1.31E-01	5.83E-02	7.82E-01	6.63E-01	1.02E+02	1.31E+00	2.98E-01	1.05E+02
5189	490863.09	3864877.25	12.0398	11.1074	12.678	5.8471	9.18E-01	1.19E+02	1.40E+00	3.34E-01	1.21E+02	8.91E-01	5.01E-04	1.40E-01	6.55E-02	1.10E+00	1.00E+00	1.19E+02	1.40E+00	3.34E-01	1.21E+02
5190	491363.09	3864877.25	14.0474	10.2068	16.128	5.63065	1.07E+00	1.09E+02	1.78E+00	3.22E-01	1.12E+02	1.04E+00	4.60E-04	1.78E-01	6.30E-02	1.28E+00	1.17E+00	1.09E+02	1.78E+00	3.22E-01	1.12E+02
5191	491863.09	3864877.25	10.29	7.95083	20.062	8.19265	7.84E-01	8.48E+01	2.22E+00	4.68E-01	8.83E+01	7.62E-01	3.58E-04	2.22E-01	9.17E-02	1.08E+00	8.54E-01	8.48E+01	2.22E+00	4.68E-01	8.84E+01
5192	492363.09	3864877.25	4.58033	2.22653	17.655	6.1952	3.49E-01	2.38E+01	1.95E+00	3.54E-01	2.64E+01	3.39E-01	1.00E-04	1.95E-01	6.94E-02	6.04E-01	3.80E-01	2.38E+01	1.95E+00	3.54E-01	2.64E+01
5193	492863.09	3864877.25	8.47303	3.08675	19.996	7.01012	6.46E-01	3.29E+01	2.21E+00	4.01E-01	3.62E+01	6.27E-01	1.39E-04	2.21E-01	7.85E-02	9.27E-01	7.03E-01	3.29E+01	2.21E+00	4.01E-01	3.63E+01
5194	493363.09	3864877.25	7.50946	3.37806	36.436	8.42118	5.72E-01	3.60E+01	4.03E+00	4.82E-01	4.11E+01	5.56E-01	1.52E-04	4.03E-01	9.43E-02	1.05E+00	6.23E-01	3.60E+01	4.03E+00	4.82E-01	4.12E+01
5195	493863.09	3864877.25	12.2837	7.10782	65.266	13.37053	9.36E-01	7.59E+01	7.22E+00	7.65E-01	8.48E+01	9.09E-01	3.20E-04	7.22E-01	1.50E-01	1.78E+00	1.02E+00	7.59E+01	7.22E+00	7.65E-01	8.49E+01
5196	494363.09	3864877.25	9.47114	10.0767	26.855	10.89456	7.22E-01	1.08E+02	2.97E+00	6.23E-01	1.12E+02	7.01E-01	4.54E-04	2.97E-01	1.22E-01	1.12E+00	7.86E-01	1.08E+02	2.97E+00	6.23E-01	1.12E+02
5197	494863.09	3864877.25	8.10545	9.63621	19.091	6.31261	6.18E-01	1.03E+02	2.11E+00	3.61E-01	1.06E+02	6.00E-01	4.34E-04	2.11E-01	7.07E-02	8.82E-01	6.73E-01	1.03E+02	2.11E+00	3.61E-01	1.06E+02
5198	495363.09	3864877.25	7.76034	9.26759	21.679	6.13106	5.91E-01	9.89E+01	2.40E+00	3.51E-01	1.02E+02	5.75E-01	4.18E-04	2.40E-01	6.86E-02	8.83E-01	6.44E-01	9.89E+01	2.40E+00	3.51E-01	1.02E+02
5199	495863.09	3864877.25	7.02872	7.92387	33.06	6.65007	5.36E-01	8.46E+01	3.66E+00	3.80E-01	8.91E+01	5.20E-01	3.57E-04	3.66E-01	7.44E-02	9.61E-01	5.84E-01	8.46E+01	3.66E+00	3.80E-01	8.92E+01
5200	496363.09	3864877.25	7.25518	7.95778	27.915	5.82437	5.53E-01	8.49E+01	3.09E+00	3.33E-01	8.89E+01	5.37E-01	3.59E-04	3.09E-01	6.52E-02	9.11E-01	6.02E-01	8.49E+01	3.09E+00	3.33E-01	8.89E+01
5201	496863.09	3864877.25	6.51787	7.53394	16.007	5.76567	4.97E-01	8.04E+01	1.77E+00	3.30E-01	8.30E+01	4.83E-01	3.40E-04	1.77E-01	6.45E-02	7.24E-01	5.41E-01	8.04E+01	1.77E+00	3.30E-01	8.30E+01
5202	497363.09	3864877.25	6.79854	7.20249	17.107	6.68945	5.18E-01	7.69E+01	1.89E+00	3.83E-01	7.97E+01	5.03E-01	3.25E-04	1.89E-01	7.49E-02	7.68E-01	5.64E-01	7.69E+01	1.89E+00	3.83E-01	7.97E+01
5203	497863.09	3864877.25	6.481	7.1486	18.081	7.4804	4.94E-01	7.63E+01	2.00E+00	4.28E-01	7.92E+01	4.80E-01	3.22E-04	2.00E-01	8.37E-02	7.64E-01	5.38E-01	7.63E+01	2.00E+00	4.28E-01	7.93E+01
5204	498363.09	3864877.25	5.77364	6.08342	15.194	6.94725	4.40E-01	6.49E+01	1.68E+00	3.97E-01	6.74E+01	4.27E-01	2.74E-04	1.68E-01	7.78E-02	6.73E-01	4.79E-01	6.49E+01	1.68E+00	3.97E-01	6.75E+01
5205	471363.09	3865377.25	3.1962	2.02539	12.638	2.72073	2.44E-01	2.16E+01	1.40E+00	1.56E-01	2.34E+01	2.37E-01	9.13E-05	1.40E-01	3.05E-02	4.07E-01	2.65E-01	2.16E+01	1.40E+00	1.56E-01	2.34E+01
5206	471863.09	3865377.25	3.27053	2.08981	12.396	2.88406	2.49E-01	2.23E+01	1.37E+00	1.65E-01	2.41E+01	2.42E-01	9.42E-05	1.37E-01	3.23E-02	4.12E-01	2.72E-01	2.23E+01	1.37E+00	1.65E-01	2.41E+01
5207	472363.09	3865377.25	3.2608	2.1335	17.966	3.04125	2.49E-01	2.28E+01	1.99E+00	1.74E-01	2.52E+01	2.41E-01	9.62E-05	1.99E-01	3.40E-02	4.74E-01	2.71E-01	2.28E+01	1.99E+00	1.74E-01	2.52E+01
5208	472863.09	3865377.25	3.27521	2.15355	23.265	3.2699	2.50E-01	2.30E+01	2.57E+00	1.87E-01	2.60E+01	2.42E-01	9.71E-05	2.57E-01	3.66E-02	5.36E-01	2.72E-01	2.30E+01	2.57E+00	1.87E-01	2.60E+01
5209	473363.09	3865377.25	3.18234	2.14483	26.362	3.30675	2.43E-01	2.29E+01	2.91E+00	1.89E-01	2.62E+01	2.36E-01	9.67E-05	2.91E-01	3.70E-02	5.64E-01	2.64E-01	2.29E+01	2.91E+00	1.89E-01	2.63E+01
5210	473863.09	3865377.25	3.26814	2.11581	25.977	2.9588	2.49E-01	2.26E+01	2.87E+00	1.69E-01	2.59E+01	2.42E-01	9.54E-05	2.87E-01	3.31E-02	5.62E-01	2.71E-01	2.26E+01	2.87E+00	1.69E-01	2.59E+01
5211	474363.09	3865377.25	3.26614	2.13461	22.491	2.74645	2.49E-01	2.28E+01	2.49E+00	1.57E-01	2.57E+01	2.42E-01	9.62E-05	2.49E-01	3.07E-02	5.21E-01	2.71E-01	2.28E+01	2.49E+00	1.57E-01	2.57E+01
5212	474863.09	3865377.25	3.26875	2.23961	16.921	2.7553	2.49E-01	2.39E+01	1.87E+00	1.58E-01	2.62E+01	2.42E-01	1.01E-04	1.87E-01	3.08E-02	4.60E-01	2.71E-01	2.39E+01	1.87E+00	1.58E-01	2.62E+01
5213	475363.09	3865377.25	3.58146	2.2999	12.873	2.72997	2.73E-01	2.45E+01	1.42E+00	1.56E-01	2.64E+01	2.65E-01	1.04E-04	1.42E-01	3.06E-02	4.38E-01	2.97E-01	2.45E+01	1.42E+00	1.56E-01	2.64E+01
5214	475863.09	3865377.25	3.79488	2.35439	12.8	2.64212	2.89E-01	2.51E+01	1.42E+00	1.51E-01	2.70E+01	2.81E-01	1.06E-04	1.42E-01	2.96E-02	4.52E-01	3.15E-01	2.51E+01	1.42E+00	1.51E-01	2.70E+01
5215	476363.09	3865377.25	3.92481	2.44104	12.831	2.5592	2.99E-01	2.61E+01	1.42E+00	1.46E-01	2.79E+01	2.91E-01	1.10E-04	1.42E-01	2.86E-02	4.61E-01	3.26E-01	2.61E+01	1.42E+00	1.46E-01	2.79E+01
5216	476863.09	3865377.25	3.97663	2.27181	17.273	3.32526	3.03E-01	2.42E+01	1.91E+00	1.90E-01	2.66E+01	2.94E-01	1.02E-04	1.91E-01	3.72E-02	5.23E-01	3.30E-01	2.42E+01	1.91E+00	1.90E-01	2.67E+01
5217	477363.09	3865377.25	3.68271	2.44123	16.777	3.40297	2.81E-01	2.61E+01	1.85E+00	1.95E-01	2.84E+01	2.73E-01	1.10E-04	1.85E-01	3.81E-02	4.96E-01	3.06E-01	2.61E+01	1.85E+00	1.95E-01	2.84E+01
5218	477863.09	3865377.25	3.66859	2.23637	16.609	3.57431	2.80E-01	2.39E+01	1.84E+00	2.04E-01	2.62E+01	2.72E-01	1.01E-04	1.84E-01	4.00E-02	4.95E-01	3.05E-01	2.39E+01	1.84E+00	2.04E-01	2.62E+01
5219	478363.09	3865377.25	3.76573	2.12225	20.531	2.94051	2.87E-01	2.26E+01	2.27E+00	1.68E-01	2.54E+01	2.79E-01	9.57E-05	2.27E-01	3.29E-02	5.39E-01	3.13E-01	2.26E+01	2.27E+00	1.68E-01	2.54E+01
5220	478863.09	3865377.25	3.91003	2.20743	25.375	3.23153	2.98E-01	2.36E+01	2.81E+00	1.85E-01	2.68E+01	2.89E-01	9.95E-05	2.81E-01	3.62E-02	6.06E-01	3.25E-01	2.36E+01	2.81E+00	1.85E-01	2.69E+01
5221	479363.09	3865377.25	4.02775	2.30116	23.428	2.91569	3.07E-01	2.46E+01	2.59E+00	1.67E-01	2.76E+01	2.98E-01	1.04E-04	2.59E-01	3.26E-02	5.90E-01	3.34E-01	2.46E+01	2.59E+00	1.67E-01	2.76E+01
5222	479863.09	3865377.25	4.01982	2.3883	16.528	3.14418	3.06E-01	2.55E+01	1.83E+00	1.80E-01	2.78E+01	2.98E-01	1.08E-04	1.83E-01	3.52E-02	5.16E-01	3.34E-01	2.55E+01	1.83E+00	1.80E-01	2.78E+01
5223	480363.09	3865377.25	3.87798	2.51251	14.784	3.018	2.96E-01	2.68E+01	1.63E+00	1.73E-01	2.89E+01	2.87E-01	1.13E-04	1.63E-01	3.38E-02	4.84E-01	3.22E-01	2.68E+01	1.63E+00	1.73E-01	2.89E+01
5224	480863.09	3865377.25	3.98619	2.42621	13.731	2.82446	3.04E-01	2.59E+01	1.52E+00	1.62E-01	2.79E+01	2.95E-01	1.09E-04	1.52E-01	3.16E-02	4.79E-01	3.31E-01	2.59E+01	1.52E+00	1.62E-01	2.79E+01
5225	481363.09	3865377.25	4.13267	2.67057	14.587	3.54303	3.15E-01	2.85E+01	1.61E+00	2.03E-01	3.06E+01	3.06E-01	1.20E-04	1.61E-01	3.97E-02	5.07E-01	3.43E-01	2.85E+01	1.61E+00	2.03E-01	3.07E+01
5226	481863.09	3865377.25	4.09024	2.99076	15.641	3.28654	3.12E-01	3.19E+01	1.73E+00	1.88E-01	3.41E+01	3.03E-01	1.35E-04	1.73E-01	3.68E-02	5.13E-01	3.40E-01	3.19E+01	1.73E+00	1.88E-01	3.42E+01
5227	482363.09	3865377.25	4.1735	4.00077	15.193	3.70402	3.18E-01	4.27E+01	1.68E+00	2.12E-01	4.49E+01	3.09E-01	1.80E-04	1.68E-01	4.15E-02	5.19E-01	3.46E-01	4.27E+01	1.68E+00	2.12E-01	4.49E+01
5228	482863.09	3865377.25	4.32789	4.35576	12.233	4.28866	3.30E-01	4.65E+01	1.35E+00	2.45E-01	4.84E+01	3.20E-01	1.96E-04	1.35E-01	4.80E-02	5.04E-01	3.59E-01	4.65E+01	1.35E+00	2.45E-01	4.84E+01
5229	483363.09	3865377.25	4.36862	3.67486	18.061	4.13029	3.33E-01	3.92E+01	2.00E+00	2.36E-01	4.18E+01	3.23E-01	1.66E-04	2.00E-01	4.62E-02	5.70E-01	3.63E-01	3.92E+01	2.00E+00	2.36E-01	4.18E+01
5230	483863.09	3865377.25	7.96362	3.46793	27.307	3.28503	6.07E-01	3.70E+01	3.02E+00	1.88E-01	4.08E+01	5.90E-01	1.56E-04	3.02E-01	3.68E-02	9.28E-01	6.61E-01	3.70E+01	3.02E+00	1.88E-01	4.09E+01
5231	484363.09	3865377.25	8.74966	3.77255	23.013	3.11686	6.67E-01	4.03E+01	2.54E+00	1.78E-01	4.36E+01	6.48E-01	1.70E-04	2.54E-01	3.49E-02	9.37E-01	7.26E-01	4.03E+01	2.54E+00	1.78E-01	4.37E+01
5232	484863.09	3865377.25	8.77661	3.73608	25.379	3.22371	6.69E-01	3.99E+01	2.81E+00	1.84E-01	4.35E+01	6.50E-01	1.68E-04	2.81E-01	3.61E-02	9.67E-01	7.29E-01	3.99E+01	2.81E+00	1.84E-01	4.36E+01
5233	485363.09	3865377.25	8.4395	4.00332	15.547	3.50226	6.43E-01	4.27E+01	1.72E+00	2.00E-01	4.53E+01	6.25E-01	1.80E-04	1.72E-01	3.92E-02	8.36E-01	7.01E-01	4.27E+01	1.72E+00	2.00E-01	4.53E+01
5234	485863.09	3865377.25	5.23932	5.27434	19.858	3.83346	3.99E-01	5.63E+01	2.20E+00	2.19E-01	5.91E+01	3.88E-01	2.38E-04	2.20E-01	4.29E-02	6.51E-01	4.35E-01	5.63E+01	2.20E+00	2.19E-01	5.91E+01
5235	486363.09	3865377.25	5.31476	4.491	19.951	3.83308	4.05E-01	4.79E+01	2.21E+00	2.19E-01	5.08E+01	3.93E-01	2.02E-04	2.21E-01	4.29E-02	6.57E-01	4.41E-01	4.79E+01	2.21E+00	2.19E-01	5.08E+01
5236	486863.09	3865377.25	5.87715	4.37569	29.892	5.10603	4.48E-01	4.67E+01	3.30E+00	2.92E-01	5.07E+01	4.35E-01	1.97E-04	3.30E-01	5.72E-02	8.23E-01	4.88E-01	4.67E+01	3.30E+00	2.92E-01	5.08E+01
5237	487363.09	3865377.25	5.98162	7.3567	31.627	6.3918	4.56E-01	7.85E+01	3.50E+00	3.66E-01	8.28E+01	4.43E-01	3.32E-04	3.50E-01	7.16E-02	8.64E-01	4.97E-01	7.85E+01	3.50E+00	3.66E-01	8.29E+01
5238	487863.09	3865377.25	6.22255	5.60255	23.304	5.95479	4.74E-01	5.98E+01	2.58E+00	3.41E-01	6.32E+01	4.61E-01	2.53E-04	2.58E-01	6.67E-02	7.85E-01	5.17E-01	5.98E+01	2.58E+00	3.41E-01	6.32E+01
5239	488363.09	3865377.25	6.6061	4.54536	26.002	4.34161	5.04E-01	4.85E+01	2.87E+00	2.48E-01	5.21E+01	4.89E-01	2.05E-04	2.87E-01	4.86E-02	8.25E-01	5.48E-01	4.85E+01	2.87E+00	2.48E-01	5.22E+01
5240	488863.09	3865377.25	7.0832	4.75221	16.832	3.43195	5.40E-01	5.07E+01	1.86E+00	1.96E-01	5.33E+01	5.24E-01	2.14E-04	1.86E-01	3.84E-02	7.49E-01	5.88E-01	5.07E+01	1.86E+00	1.96E-01	5.34E+01
5241	489363.09	3865377.25	7.13737	5.0653	16.279	3.90164	5.44E-01	5.41E+01	1.80E+00	2.23E-01	5.66E+01	5.28E-01	2.28E-04	1.80E-01	4.37E-02	7.52E-01	5.93E-01	5.41E+01	1.80E+00	2.23E-01	5.67E+01
5242	489863.09	3865377.25	7.12545	5.98647	20.301	4.02201	5.43E-01	6.39E+01	2.24E+00	2.30E-01	6.69E+01	5.28E-01	2.70E-04	2.24E-01	4.50E-02	7.97E-01	5.92E-01	6.39E+01	2.24E+00	2.30E-01	6.70E+01

5243	490363.09	3865377.25	7.65009	6.62291	15.659	4.7395	5.83E-01	7.07E+01	1.73E+00	2.71E-01	7.33E+01	5.66E-01	2.99E-04	1.73E-01	5.31E-02	7.93E-01	6.35E-01	7.07E+01	1.73E+00	2.71E-01	7.33E+01
5244	490863.09	3865377.25	8.21678	9.50956	9.6377	5.4491	6.26E-01	1.01E+02	1.07E+00	3.12E-01	1.03E+02	6.08E-01	4.29E-04	1.07E-01	6.10E-02	7.76E-01	6.82E-01	1.01E+02	1.07E+00	3.12E-01	1.04E+02
5245	491363.09	3865377.25	12.764	9.21617	12.823	5.48589	9.73E-01	9.84E+01	1.42E+00	3.14E-01	1.01E+02	9.45E-01	4.15E-04	1.42E-01	6.14E-02	1.15E+00	1.06E+00	9.84E+01	1.42E+00	3.14E-01	1.01E+02
5246	491863.09	3865377.25	12.552	6.84415	17.433	6.89121	9.57E-01	7.30E+01	1.93E+00	3.94E-01	7.63E+01	9.29E-01	3.09E-04	1.93E-01	7.71E-02	1.20E+00	1.04E+00	7.30E+01	1.93E+00	3.94E-01	7.64E+01
5247	492363.09	3865377.25	10.1782	4.20145	19.022	35.63147	7.76E-01	4.48E+01	2.10E+00	2.04E+00	4.98E+01	7.54E-01	1.89E-04	2.10E-01	3.99E-01	1.36E+00	8.45E-01	4.48E+01	2.10E+00	2.04E+00	4.98E+01
5248	492863.09	3865377.25	9.99914	2.55563	22.526	10.7599	7.62E-01	2.73E+01	2.49E+00	6.15E-01	3.11E+01	7.40E-01	1.15E-04	2.49E-01	1.20E-01	1.11E+00	8.30E-01	2.73E+01	2.49E+00	6.15E-01	3.12E+01
5249	493363.09	3865377.25	7.33368	2.98983	18.75	6.76573	5.59E-01	3.19E+01	2.07E+00	3.87E-01	3.49E+01	5.43E-01	1.35E-04	2.07E-01	7.57E-02	8.26E-01	6.09E-01	3.19E+01	2.07E+00	3.87E-01	3.50E+01
5250	493863.09	3865377.25	11.4382	5.22586	115.01	13.29139	8.72E-01	5.58E+01	1.27E+01	7.60E-01	7.01E+01	8.47E-01	2.36E-04	1.27E+00	1.49E-01	2.27E+00	9.50E-01	5.58E+01	1.27E+01	7.60E-01	7.02E+01
5251	494363.09	3865377.25	11.2945	6.8687	35.273	11.48543	8.61E-01	7.33E+01	3.90E+00	6.57E-01	7.87E+01	8.36E-01	3.10E-04	3.90E-01	1.29E-01	1.36E+00	9.38E-01	7.33E+01	3.90E+00	6.57E-01	7.88E+01
5252	494863.09	3865377.25	9.263	9.15924	24.959	11.18438	7.06E-01	9.77E+01	2.76E+00	6.40E-01	1.02E+02	6.86E-01	4.13E-04	2.76E-01	1.25E-01	1.09E+00	7.69E-01	9.77E+01	2.76E+00	6.40E-01	1.02E+02
5253	495363.09	3865377.25	7.52861	8.491	18.142	7.20821	5.74E-01	9.06E+01	2.01E+00	4.12E-01	9.36E+01	5.57E-01	3.83E-04	2.01E-01	8.07E-02	8.39E-01	6.25E-01	9.06E+01	2.01E+00	4.12E-01	9.37E+01
5254	495863.09	3865377.25	7.28997	8.89372	20.328	5.71191	5.56E-01	9.49E+01	2.25E+00	3.27E-01	9.80E+01	5.40E-01	4.01E-04	2.25E-01	6.39E-02	8.29E-01	6.05E-01	9.49E+01	2.25E+00	3.27E-01	9.81E+01
5255	496363.09	3865377.25	6.33167	8.00585	29.419	6.16153	4.83E-01	8.54E+01	3.25E+00	3.52E-01	8.95E+01	4.69E-01	3.61E-04	3.25E-01	6.90E-02	8.63E-01	5.26E-01	8.54E+01	3.25E+00	3.52E-01	8.96E+01
5256	496863.09	3865377.25	6.91849	7.57611	27.43	6.98282	5.27E-01	8.09E+01	3.03E+00	3.99E-01	8.48E+01	5.12E-01	3.42E-04	3.03E-01	7.82E-02	8.94E-01	5.74E-01	8.09E+01	3.03E+00	3.99E-01	8.49E+01
5257	497363.09	3865377.25	6.30829	7.3935	17.701	5.49766	4.81E-01	7.89E+01	1.96E+00	3.14E-01	8.17E+01	4.67E-01	3.33E-04	1.96E-01	6.15E-02	7.25E-01	5.24E-01	7.89E+01	1.96E+00	3.14E-01	8.17E+01
5258	497863.09	3865377.25	6.30758	6.83403	15.006	5.8717	4.81E-01	7.29E+01	1.66E+00	3.36E-01	7.54E+01	4.67E-01	3.08E-04	1.66E-01	6.57E-02	6.99E-01	5.24E-01	7.29E+01	1.66E+00	3.36E-01	7.54E+01
5259	498363.09	3865377.25	6.11636	6.95753	17.321	6.94791	4.66E-01	7.42E+01	1.92E+00	3.97E-01	7.70E+01	4.53E-01	3.14E-04	1.92E-01	7.78E-02	7.22E-01	5.08E-01	7.42E+01	1.92E+00	3.97E-01	7.71E+01
5260	471363.09	3865877.25	3.24888	2.02942	17.876	3.15299	2.48E-01	2.17E+01	1.98E+00	1.80E-01	2.41E+01	2.41E-01	9.15E-05	1.98E-01	3.53E-02	4.74E-01	2.70E-01	2.17E+01	1.98E+00	1.80E-01	2.41E+01
5261	471863.09	3865877.25	3.21934	2.03316	22.694	3.14856	2.45E-01	2.17E+01	2.51E+00	1.80E-01	2.46E+01	2.38E-01	9.17E-05	2.51E-01	3.52E-02	5.25E-01	2.67E-01	2.17E+01	2.51E+00	1.80E-01	2.47E+01
5262	472363.09	3865877.25	3.28096	2.02033	26.148	3.21296	2.50E-01	2.16E+01	2.89E+00	1.84E-01	2.49E+01	2.43E-01	9.11E-05	2.89E-01	3.60E-02	5.68E-01	2.72E-01	2.16E+01	2.89E+00	1.84E-01	2.49E+01
5263	472863.09	3865877.25	3.15982	1.97802	25.691	3.16942	2.41E-01	2.11E+01	2.84E+00	1.81E-01	2.44E+01	2.34E-01	8.92E-05	2.84E-01	3.55E-02	5.54E-01	2.62E-01	2.11E+01	2.84E+00	1.81E-01	2.44E+01
5264	473363.09	3865877.25	3.23714	1.98347	22.027	2.6329	2.47E-01	2.12E+01	2.44E+00	1.51E-01	2.40E+01	2.40E-01	8.94E-05	2.44E-01	2.95E-02	5.13E-01	2.69E-01	2.12E+01	2.44E+00	1.51E-01	2.40E+01
5265	473863.09	3865877.25	3.24381	2.09714	16.981	2.624	2.47E-01	2.24E+01	1.88E+00	1.50E-01	2.47E+01	2.40E-01	9.45E-05	1.88E-01	2.94E-02	4.57E-01	2.69E-01	2.24E+01	1.88E+00	1.50E-01	2.47E+01
5266	474363.09	3865877.25	3.21684	2.17365	12.118	2.58868	2.45E-01	2.32E+01	1.34E+00	1.48E-01	2.49E+01	2.38E-01	9.80E-05	1.34E-01	2.90E-02	4.01E-01	2.67E-01	2.32E+01	1.34E+00	1.48E-01	2.50E+01
5267	474863.09	3865877.25	3.45582	2.22383	12.263	2.73153	2.63E-01	2.37E+01	1.36E+00	1.56E-01	2.55E+01	2.56E-01	1.00E-04	1.36E-01	3.06E-02	4.22E-01	2.87E-01	2.37E+01	1.36E+00	1.56E-01	2.55E+01
5268	475363.09	3865877.25	3.65707	2.25363	11.7	3.1202	2.79E-01	2.41E+01	1.29E+00	1.78E-01	2.58E+01	2.71E-01	1.02E-04	1.29E-01	3.49E-02	4.35E-01	3.04E-01	2.41E+01	1.29E+00	1.78E-01	2.58E+01
5269	475863.09	3865877.25	3.73063	2.25409	13.11	3.48308	2.84E-01	2.41E+01	1.45E+00	1.99E-01	2.60E+01	2.76E-01	1.02E-04	1.45E-01	3.90E-02	4.60E-01	3.10E-01	2.41E+01	1.45E+00	1.99E-01	2.60E+01
5270	476363.09	3865877.25	3.75676	2.26242	15.132	3.41195	2.86E-01	2.41E+01	1.67E+00	1.95E-01	2.63E+01	2.78E-01	1.02E-04	1.67E-01	3.82E-02	4.84E-01	3.12E-01	2.41E+01	1.67E+00	1.95E-01	2.63E+01
5271	476863.09	3865877.25	3.68252	1.98494	17.334	3.63985	2.81E-01	2.12E+01	1.92E+00	2.08E-01	2.36E+01	2.73E-01	8.95E-05	1.92E-01	4.07E-02	5.05E-01	3.06E-01	2.12E+01	1.92E+00	2.08E-01	2.36E+01
5272	477363.09	3865877.25	3.57282	2.04636	15.896	2.66929	2.72E-01	2.18E+01	1.76E+00	1.53E-01	2.40E+01	2.65E-01	9.22E-05	1.76E-01	2.99E-02	4.70E-01	2.97E-01	2.18E+01	1.76E+00	1.53E-01	2.40E+01
5273	477863.09	3865877.25	3.60363	2.03308	22.081	2.53597	2.75E-01	2.17E+01	2.44E+00	1.45E-01	2.46E+01	2.67E-01	9.16E-05	2.44E-01	2.84E-02	5.39E-01	2.99E-01	2.17E+01	2.44E+00	1.45E-01	2.46E+01
5274	478363.09	3865877.25	3.69218	2.12893	25.135	3.11141	2.81E-01	2.27E+01	2.78E+00	1.78E-01	2.60E+01	2.73E-01	9.60E-05	2.78E-01	3.48E-02	5.86E-01	3.07E-01	2.27E+01	2.78E+00	1.78E-01	2.60E+01
5275	478863.09	3865877.25	3.86434	2.15588	21.611	3.0977	2.95E-01	2.30E+01	2.39E+00	1.77E-01	2.59E+01	2.86E-01	9.72E-05	2.39E-01	3.47E-02	5.60E-01	3.21E-01	2.30E+01	2.39E+00	1.77E-01	2.59E+01
5276	479363.09	3865877.25	3.87961	2.29466	15.544	2.94123	2.96E-01	2.45E+01	1.72E+00	1.68E-01	2.67E+01	2.87E-01	1.03E-04	1.72E-01	3.29E-02	4.92E-01	3.22E-01	2.45E+01	1.72E+00	1.68E-01	2.67E+01
5277	479863.09	3865877.25	3.68057	2.33071	13.804	2.98052	2.81E-01	2.49E+01	1.53E+00	1.70E-01	2.68E+01	2.72E-01	1.05E-04	1.53E-01	3.34E-02	4.59E-01	3.06E-01	2.49E+01	1.53E+00	1.70E-01	2.69E+01
5278	480363.09	3865877.25	3.78489	2.32755	12.772	3.04033	2.88E-01	2.48E+01	1.41E+00	1.74E-01	2.67E+01	2.80E-01	1.05E-04	1.41E-01	3.40E-02	4.56E-01	3.14E-01	2.48E+01	1.41E+00	1.74E-01	2.67E+01
5279	480863.09	3865877.25	3.92823	2.49154	13.594	3.51745	2.99E-01	2.66E+01	1.50E+00	2.01E-01	2.86E+01	2.91E-01	1.12E-04	1.50E-01	3.94E-02	4.81E-01	3.26E-01	2.66E+01	1.50E+00	2.01E-01	2.86E+01
5280	481363.09	3865877.25	3.97518	2.82249	14.705	3.03069	3.03E-01	3.01E+01	1.63E+00	1.73E-01	3.22E+01	2.94E-01	1.27E-04	1.63E-01	3.39E-02	4.91E-01	3.30E-01	3.01E+01	1.63E+00	1.73E-01	3.23E+01
5281	481863.09	3865877.25	3.91351	3.10818	14.439	2.78651	2.98E-01	3.32E+01	1.60E+00	1.59E-01	3.52E+01	2.90E-01	1.40E-04	1.60E-01	3.12E-02	4.81E-01	3.25E-01	3.32E+01	1.60E+00	1.59E-01	3.53E+01
5282	482363.09	3865877.25	4.07999	3.98702	12.909	3.68052	3.11E-01	4.25E+01	1.43E+00	2.10E-01	4.45E+01	3.02E-01	1.80E-04	1.43E-01	4.12E-02	4.86E-01	3.39E-01	4.25E+01	1.43E+00	2.10E-01	4.45E+01
5283	482863.09	3865877.25	4.17514	4.21382	15.029	4.13979	3.18E-01	4.50E+01	1.66E+00	2.37E-01	4.72E+01	3.09E-01	1.90E-04	1.66E-01	4.63E-02	5.22E-01	3.47E-01	4.50E+01	1.66E+00	2.37E-01	4.72E+01
5284	483363.09	3865877.25	4.8728	3.47958	25.078	3.91267	3.71E-01	3.71E+01	2.77E+00	2.24E-01	4.05E+01	3.61E-01	1.57E-04	2.77E-01	4.38E-02	6.82E-01	4.05E-01	3.71E+01	2.77E+00	2.24E-01	4.05E+01
5285	483863.09	3865877.25	8.08351	3.47966	25.535	3.11476	6.16E-01	3.71E+01	2.82E+00	1.78E-01	4.08E+01	5.98E-01	1.57E-04	2.82E-01	3.49E-02	9.16E-01	6.71E-01	3.71E+01	2.82E+00	1.78E-01	4.08E+01
5286	484363.09	3865877.25	8.74871	3.33623	27.107	3.12655	6.67E-01	3.56E+01	3.00E+00	1.79E-01	3.94E+01	6.48E-01	1.50E-04	3.00E-01	3.50E-02	9.83E-01	7.26E-01	3.56E+01	3.00E+00	1.79E-01	3.95E+01
5287	484863.09	3865877.25	8.71429	3.65412	18.403	3.84208	6.64E-01	3.90E+01	2.03E+00	2.20E-01	4.19E+01	6.45E-01	1.65E-04	2.03E-01	4.30E-02	8.92E-01	7.23E-01	3.90E+01	2.03E+00	2.20E-01	4.20E+01
5288	485363.09	3865877.25	8.15167	3.74511	20.978	3.69944	6.21E-01	4.00E+01	2.32E+00	2.12E-01	4.31E+01	6.03E-01	1.69E-04	2.32E-01	4.14E-02	8.77E-01	6.77E-01	4.00E+01	2.32E+00	2.12E-01	4.32E+01
5289	485863.09	3865877.25	4.92515	5.22328	16.46	2.93938	3.75E-01	5.57E+01	1.82E+00	1.68E-01	5.81E+01	3.65E-01	2.35E-04	1.82E-01	3.29E-02	5.80E-01	4.09E-01	5.57E+01	1.82E+00	1.68E-01	5.81E+01
5290	486363.09	3865877.25	4.99811	4.08089	21	3.98327	3.81E-01	4.36E+01	2.32E+00	2.28E-01	4.65E+01	3.70E-01	1.84E-04	2.32E-01	4.46E-02	6.47E-01	4.15E-01	4.36E+01	2.32E+00	2.28E-01	4.65E+01
5291	486863.09	3865877.25	5.63647	3.99438	29.257	5.26548	4.30E-01	4.26E+01	3.23E+00	3.01E-01	4.66E+01	4.17E-01	1.80E-04	3.23E-01	5.89E-02	8.00E-01	4.68E-01	4.26E+01	3.23E+00	3.01E-01	4.66E+01
5292	487363.09	3865877.25	5.72393	7.33066	29.62	6.23524	4.36E-01	7.82E+01	3.27E+00	3.57E-01	8.23E+01	4.24E-01	3.30E-04	3.27E-01	6.98E-02	8.21E-01	4.75E-01	7.82E+01	3.27E+00	3.57E-01	8.23E+01
5293	487863.09	3865877.25	5.94992	5.11719	21.669	5.55456	4.54E-01	5.46E+01	2.40E+00	3.18E-01	5.78E+01	4.40E-01	2.31E-04	2.40E-01	6.22E-02	7.42E-01	4.94E-01	5.46E+01	2.40E+00	3.18E-01	5.78E+01
5294	488363.09	3865877.25	6.25174	4.21552	25.686	4.3437	4.77E-01	4.50E+01	2.84E+00	2.48E-01	4.86E+01	4.63E-01	1.90E-04	2.84E-01	4.86E-02	7.96E-01	5.19E-01	4.50E+01	2.84E+00	2.48E-01	4.86E+01
5295	488863.09	3865877.25	6.32434	4.4714	17.437	3.59737	4.82E-01	4.77E+01	1.93E+00	2.06E-01	5.03E+01	4.68E-01	2.02E-04	1.93E-01	4.03E-02	7.01E-01	5.25E-01	4.77E+01	1.93E+00	2.06E-01	5.04E+01
5296	489363.09	3865877.25	6.89924	4.35336	14.361	3.74244	5.26E-01	4.65E+01	1.59E+00	2.14E-01	4.88E+01	5.11E-01	1.96E-04	1.59E-01	4.19E-02	7.12E-01	5.73E-01	4.65E+01	1.59E+00	2.14E-01	4.88E+01
5297	489863.09	3865877.25	6.72298	5.21171	20.246	3.71038	5.12E-01	5.56E+01	2.24E+00	2.12E-01	5.86E+01	4.98E-01	2.35E-04	2.24E-01	4.15E-02	7.63E-01	5.58E-01	5.56E+01	2.24E+00	2.12E-01	5.86E+01
5298	490363.09	3865877.25	7.2419	5.95974	21.612	4.34823	5.52E-01	6.36E+01	2.39E+00	2.49E-01	6.68E+01	5.36E-01	2.69E-04	2.39E-01	4.87E-02	8.24E-01	6.01E-01	6.36E+01	2.39E+00	2.49E-01	6.68E+01
5299	490863.09	3865877.25	7.50372	7.46457	9.7103	4.99216	5.72E-01	7.97E+01	1.07E+00	2.85E-01	8.16E+01	5.56E-01	3.36E-04	1.07E-01	5.59E-02	7.19E-01	6.23E-01	7.97E+01	1.07E+00	2.85E-01	8.16E+01
5300	491363.09	3865877.25	10.2084	8.83551	11.367	5.38875	7.78E-01	9.43E+01	1.26E+00	3.08E-01	9.66E+01	7.56E-01	3.98E-04	1.26E-01	6.03E-02	9.42E-01	8.48E-01	9.43E+01	1.26E+00	3.08E-01	9.67E+01
5301	491863.09	3865877.25	14.8892	7.39849	14.209	5.499	1.13E+00	7.90E+01	1.57E+00	3.14E-01	8.20E+01	1.10E+00	3.34E-04	1.57E-01	6.16E-02	1.32E+00	1.24E+00	7.90E+01	1.57E+00	3.14E-01	8.21E+01
5302	492363.09	3865877.25	12.0304	5.34927	17.818	12.4476	9.17E-01	5.71E+01	1.97E+00	7.12E-01	6.07E+01	8.91E-01	2.41E-04	1.97E-01	1.39E-01	1.23E+00	9.99E-01	5.71E+01	1.97E+00	7.12E-01	6.08E+01
5303	492863.09	3865877.25	9.43967	2.6943	17.774	14.12004	7.20E-01	2.88E+01	1.97E+00	8.07E-01	3.22E+01	6.99E-01	1.21E-04	1.97E-01	1.58E-01	1.05E+00	7.84E-01	2.88E+01	1.97E+00	8.07E-01	3.23E+01

5304	493363.09	3865877.25	10.6193	2.97365	20.167	16.52322	8.09E-01	3.17E+01	2.23E+00	9.45E-01	3.57E+01	7.86E-01	1.34E-04	2.23E-01	1.85E-01	1.19E+00	8.82E-01	3.17E+01	2.23E+00	9.45E-01	3.58E+01
5305	493863.09	3865877.25	11.3379	4.95208	44.913	7.26415	8.64E-01	5.28E+01	4.97E+00	4.15E-01	5.91E+01	8.39E-01	2.23E-04	4.97E-01	8.13E-02	1.42E+00	9.41E-01	5.28E+01	4.97E+00	4.15E-01	5.92E+01
5306	494363.09	3865877.25	10.4311	7.99324	45.512	9.26624	7.95E-01	8.53E+01	5.03E+00	5.30E-01	9.17E+01	7.72E-01	3.60E-04	5.03E-01	1.04E-01	1.38E+00	8.66E-01	8.53E+01	5.03E+00	5.30E-01	9.17E+01
5307	494863.09	3865877.25	7.56316	7.65758	30.998	9.87224	5.76E-01	8.17E+01	3.43E+00	5.65E-01	8.63E+01	5.60E-01	3.45E-04	3.43E-01	1.11E-01	1.01E+00	6.28E-01	8.17E+01	3.43E+00	5.65E-01	8.63E+01
5308	495363.09	3865877.25	7.26825	9.25191	22.551	10.81048	5.54E-01	9.87E+01	2.49E+00	6.18E-01	1.02E+02	5.38E-01	4.17E-04	2.49E-01	1.21E-01	9.09E-01	6.03E-01	9.87E+01	2.49E+00	6.18E-01	1.02E+02
5309	495863.09	3865877.25	7.0142	8.56167	17.282	7.85426	5.35E-01	9.14E+01	1.91E+00	4.49E-01	9.43E+01	5.19E-01	3.86E-04	1.91E-01	8.79E-02	7.99E-01	5.82E-01	9.14E+01	1.91E+00	4.49E-01	9.43E+01
5310	496363.09	3865877.25	7.9903	8.34612	18.933	5.43619	6.09E-01	8.91E+01	2.09E+00	3.11E-01	9.21E+01	5.92E-01	3.76E-04	2.09E-01	6.09E-02	8.62E-01	6.63E-01	8.91E+01	2.09E+00	3.11E-01	9.21E+01
5311	496863.09	3865877.25	7.22509	7.3868	28.718	7.68524	5.51E-01	7.88E+01	3.18E+00	4.39E-01	8.30E+01	5.35E-01	3.33E-04	3.18E-01	8.60E-02	9.39E-01	6.00E-01	7.88E+01	3.18E+00	4.39E-01	8.30E+01
5312	497363.09	3865877.25	6.4976	6.81541	28.161	8.1156	4.95E-01	7.27E+01	3.11E+00	4.64E-01	7.68E+01	4.81E-01	3.07E-04	3.11E-01	9.08E-02	8.84E-01	5.39E-01	7.27E+01	3.11E+00	4.64E-01	7.68E+01
5313	497863.09	3865877.25	6.02609	7.02976	18.144	7.72409	4.59E-01	7.50E+01	2.01E+00	4.42E-01	7.79E+01	4.46E-01	3.17E-04	2.01E-01	8.65E-02	7.34E-01	5.00E-01	7.50E+01	2.01E+00	4.42E-01	7.80E+01
5314	498363.09	3865877.25	6.6575	6.57688	13.69	8.63953	5.07E-01	7.02E+01	1.51E+00	4.94E-01	7.27E+01	4.93E-01	2.96E-04	1.51E-01	9.67E-02	7.41E-01	5.53E-01	7.02E+01	1.51E+00	4.94E-01	7.27E+01
5315	471363.09	3866377.25	3.19677	1.89623	24.874	3.02919	2.44E-01	2.02E+01	2.75E+00	1.73E-01	2.34E+01	2.37E-01	8.55E-05	2.75E-01	3.39E-02	5.46E-01	2.65E-01	2.02E+01	2.75E+00	1.73E-01	2.34E+01
5316	471863.09	3866377.25	3.21091	1.8562	26.328	3.18327	2.45E-01	1.98E+01	2.91E+00	1.82E-01	2.31E+01	2.38E-01	8.37E-05	2.91E-01	3.56E-02	5.65E-01	2.67E-01	1.98E+01	2.91E+00	1.82E-01	2.32E+01
5317	472363.09	3866377.25	3.23164	1.93052	23.667	2.94968	2.46E-01	2.06E+01	2.62E+00	1.69E-01	2.36E+01	2.39E-01	8.70E-05	2.62E-01	3.30E-02	5.34E-01	2.68E-01	2.06E+01	2.62E+00	1.69E-01	2.37E+01
5318	472863.09	3866377.25	3.22142	1.98461	17.118	2.49741	2.46E-01	2.12E+01	1.89E+00	1.43E-01	2.35E+01	2.38E-01	8.95E-05	1.89E-01	2.80E-02	4.56E-01	2.67E-01	2.12E+01	1.89E+00	1.43E-01	2.35E+01
5319	473363.09	3866377.25	3.22506	2.05983	11.736	2.65999	2.46E-01	2.20E+01	1.30E+00	1.52E-01	2.37E+01	2.39E-01	9.29E-05	1.30E-01	2.98E-02	3.98E-01	2.68E-01	2.20E+01	1.30E+00	1.52E-01	2.37E+01
5320	473863.09	3866377.25	3.19087	2.10743	11.594	2.90428	2.43E-01	2.25E+01	1.28E+00	1.66E-01	2.42E+01	2.36E-01	9.50E-05	1.28E-01	3.25E-02	3.97E-01	2.65E-01	2.25E+01	1.28E+00	1.66E-01	2.42E+01
5321	474363.09	3866377.25	3.32162	2.12999	11.271	3.17626	2.53E-01	2.27E+01	1.25E+00	1.82E-01	2.44E+01	2.46E-01	9.60E-05	1.25E-01	3.56E-02	4.06E-01	2.76E-01	2.27E+01	1.25E+00	1.82E-01	2.44E+01
5322	474863.09	3866377.25	3.52796	2.12264	11.468	3.53497	2.69E-01	2.27E+01	1.27E+00	2.02E-01	2.44E+01	2.61E-01	9.57E-05	1.27E-01	3.96E-02	4.28E-01	2.93E-01	2.27E+01	1.27E+00	2.02E-01	2.44E+01
5323	475363.09	3866377.25	3.58524	2.0678	13.261	3.68027	2.73E-01	2.21E+01	1.47E+00	2.10E-01	2.40E+01	2.65E-01	9.32E-05	1.47E-01	4.12E-02	4.53E-01	2.98E-01	2.21E+01	1.47E+00	2.10E-01	2.40E+01
5324	475863.09	3866377.25	3.52377	1.97951	14.495	3.49596	2.69E-01	2.11E+01	1.60E+00	2.00E-01	2.32E+01	2.61E-01	8.92E-05	1.60E-01	3.91E-02	4.60E-01	2.93E-01	2.11E+01	1.60E+00	2.00E-01	2.32E+01
5325	476363.09	3866377.25	3.40174	1.94751	15.418	2.74213	2.59E-01	2.08E+01	1.70E+00	1.57E-01	2.29E+01	2.52E-01	8.78E-05	1.70E-01	3.07E-02	4.53E-01	2.82E-01	2.08E+01	1.70E+00	1.57E-01	2.29E+01
5326	476863.09	3866377.25	3.47892	1.71846	19.133	2.65587	2.65E-01	1.83E+01	2.12E+00	1.52E-01	2.09E+01	2.58E-01	7.75E-05	2.12E-01	2.97E-02	4.99E-01	2.89E-01	1.83E+01	2.12E+00	1.52E-01	2.09E+01
5327	477363.09	3866377.25	3.49022	2.02819	23.983	2.57506	2.66E-01	2.16E+01	2.65E+00	1.47E-01	2.47E+01	2.58E-01	9.14E-05	2.65E-01	2.88E-02	5.52E-01	2.90E-01	2.16E+01	2.65E+00	1.47E-01	2.47E+01
5328	477863.09	3866377.25	3.55684	2.02002	25.708	2.99765	2.71E-01	2.16E+01	2.84E+00	1.71E-01	2.48E+01	2.63E-01	9.11E-05	2.84E-01	3.36E-02	5.81E-01	2.95E-01	2.16E+01	2.84E+00	1.71E-01	2.49E+01
5329	478363.09	3866377.25	3.69776	2.09634	19.778	3.14886	2.82E-01	2.24E+01	2.19E+00	1.80E-01	2.50E+01	2.74E-01	9.45E-05	2.19E-01	3.52E-02	5.28E-01	3.07E-01	2.24E+01	2.19E+00	1.80E-01	2.50E+01
5330	478863.09	3866377.25	3.75261	2.18361	14.722	2.93008	2.86E-01	2.33E+01	1.63E+00	1.68E-01	2.54E+01	2.78E-01	9.84E-05	1.63E-01	3.28E-02	4.73E-01	3.12E-01	2.33E+01	1.63E+00	1.68E-01	2.54E+01
5331	479363.09	3866377.25	3.63175	2.1771	13.049	3.05059	2.77E-01	2.32E+01	1.44E+00	1.74E-01	2.51E+01	2.69E-01	9.81E-05	1.44E-01	3.41E-02	4.47E-01	3.02E-01	2.32E+01	1.44E+00	1.74E-01	2.52E+01
5332	479863.09	3866377.25	3.64167	2.2418	12.202	3.36212	2.78E-01	2.39E+01	1.35E+00	1.92E-01	2.57E+01	2.70E-01	1.01E-04	1.35E-01	3.76E-02	4.42E-01	3.02E-01	2.39E+01	1.35E+00	1.92E-01	2.58E+01
5333	480363.09	3866377.25	3.70822	2.32825	13.024	3.60971	2.83E-01	2.48E+01	1.44E+00	2.06E-01	2.68E+01	2.75E-01	1.05E-04	1.44E-01	4.04E-02	4.59E-01	3.08E-01	2.48E+01	1.44E+00	2.06E-01	2.68E+01
5334	480863.09	3866377.25	3.84865	2.68406	13.943	2.8756	2.93E-01	2.86E+01	1.54E+00	1.64E-01	3.06E+01	2.85E-01	1.21E-04	1.54E-01	3.22E-02	4.71E-01	3.20E-01	2.86E+01	1.54E+00	1.64E-01	3.07E+01
5335	481363.09	3866377.25	3.77998	2.90036	13.896	2.59657	2.88E-01	3.10E+01	1.54E+00	1.48E-01	3.29E+01	2.80E-01	1.31E-04	1.54E-01	2.91E-02	4.63E-01	3.14E-01	3.10E+01	1.54E+00	1.48E-01	3.30E+01
5336	481863.09	3866377.25	3.77354	3.06736	13.25	2.85829	2.88E-01	3.27E+01	1.46E+00	1.63E-01	3.47E+01	2.79E-01	1.38E-04	1.46E-01	3.20E-02	4.58E-01	3.13E-01	3.27E+01	1.46E+00	1.63E-01	3.47E+01
5337	482363.09	3866377.25	3.98365	3.99478	14.054	3.64842	3.04E-01	4.26E+01	1.55E+00	2.09E-01	4.47E+01	2.95E-01	1.80E-04	1.55E-01	4.08E-02	4.91E-01	3.31E-01	4.26E+01	1.55E+00	2.09E-01	4.47E+01
5338	482863.09	3866377.25	4.01836	4.11541	20.326	4.0043	3.06E-01	4.39E+01	2.25E+00	2.29E-01	4.67E+01	2.97E-01	1.86E-04	2.25E-01	4.48E-02	5.67E-01	3.34E-01	4.39E+01	2.25E+00	2.29E-01	4.67E+01
5339	483363.09	3866377.25	5.35136	3.33002	25.912	3.72264	4.08E-01	3.55E+01	2.86E+00	2.13E-01	3.90E+01	3.96E-01	1.50E-04	2.86E-01	4.17E-02	7.24E-01	4.44E-01	3.55E+01	2.86E+00	2.13E-01	3.91E+01
5340	483863.09	3866377.25	8.17289	3.04085	21.857	2.96719	6.23E-01	3.25E+01	2.42E+00	1.70E-01	3.57E+01	6.05E-01	1.37E-04	2.42E-01	3.32E-02	8.80E-01	6.79E-01	3.25E+01	2.42E+00	1.70E-01	3.57E+01
5341	484363.09	3866377.25	8.67167	3.27521	25.224	3.51931	6.61E-01	3.50E+01	2.79E+00	2.01E-01	3.86E+01	6.42E-01	1.48E-04	2.79E-01	3.94E-02	9.60E-01	7.20E-01	3.50E+01	2.79E+00	2.01E-01	3.87E+01
5342	484863.09	3866377.25	8.6889	3.39327	12.501	3.27981	6.62E-01	3.62E+01	1.38E+00	1.88E-01	3.84E+01	6.43E-01	1.53E-04	1.38E-01	3.67E-02	8.18E-01	7.21E-01	3.62E+01	1.38E+00	1.88E-01	3.85E+01
5343	485363.09	3866377.25	7.81387	3.88831	23.415	3.9029	5.96E-01	4.15E+01	2.59E+00	2.23E-01	4.49E+01	5.78E-01	1.75E-04	2.59E-01	4.37E-02	8.81E-01	6.49E-01	4.15E+01	2.59E+00	2.23E-01	4.50E+01
5344	485863.09	3866377.25	4.74101	5.09632	12.489	3.04657	3.61E-01	5.44E+01	1.38E+00	1.74E-01	5.63E+01	3.51E-01	2.30E-04	1.38E-01	3.41E-02	5.23E-01	3.94E-01	5.44E+01	1.38E+00	1.74E-01	5.63E+01
5345	486363.09	3866377.25	4.81335	3.78351	21.7	4.12916	3.67E-01	4.04E+01	2.40E+00	2.36E-01	4.34E+01	3.56E-01	1.71E-04	2.40E-01	4.62E-02	6.43E-01	4.00E-01	4.04E+01	2.40E+00	2.36E-01	4.34E+01
5346	486863.09	3866377.25	5.41602	4.28755	28.504	5.36644	4.13E-01	4.58E+01	3.15E+00	3.07E-01	4.96E+01	4.01E-01	1.93E-04	3.15E-01	6.01E-02	7.76E-01	4.50E-01	4.58E+01	3.15E+00	3.07E-01	4.97E+01
5347	487363.09	3866377.25	5.59407	7.98452	28.66	6.2572	4.26E-01	8.52E+01	3.17E+00	3.58E-01	8.92E+01	4.14E-01	3.60E-04	3.17E-01	7.00E-02	8.01E-01	4.64E-01	8.52E+01	3.17E+00	3.58E-01	8.92E+01
5348	487863.09	3866377.25	5.78852	4.7983	22.684	5.27598	4.41E-01	5.12E+01	2.51E+00	3.02E-01	5.45E+01	4.29E-01	2.16E-04	2.51E-01	5.91E-02	7.39E-01	4.81E-01	5.12E+01	2.51E+00	3.02E-01	5.45E+01
5349	488363.09	3866377.25	6.04346	4.11399	29.637	5.00647	4.61E-01	4.39E+01	3.28E+00	2.86E-01	4.79E+01	4.47E-01	1.85E-04	3.28E-01	5.60E-02	8.31E-01	5.02E-01	4.39E+01	3.28E+00	2.86E-01	4.80E+01
5350	488863.09	3866377.25	6.07057	4.50432	20.576	3.72087	4.63E-01	4.81E+01	2.27E+00	2.13E-01	5.10E+01	4.49E-01	2.03E-04	2.27E-01	4.17E-02	7.19E-01	5.04E-01	4.81E+01	2.27E+00	2.13E-01	5.11E+01
5351	489363.09	3866377.25	6.84759	4.20038	13.026	3.20749	5.22E-01	4.48E+01	1.44E+00	1.83E-01	4.70E+01	5.07E-01	1.89E-04	1.44E-01	3.59E-02	6.87E-01	5.68E-01	4.48E+01	1.44E+00	1.83E-01	4.70E+01
5352	489863.09	3866377.25	6.71522	5.14459	23.471	6.38011	5.12E-01	5.49E+01	2.60E+00	3.65E-01	5.84E+01	4.97E-01	2.32E-04	2.60E-01	7.14E-02	8.28E-01	5.58E-01	5.49E+01	2.60E+00	3.65E-01	5.84E+01
5353	490363.09	3866377.25	6.60555	5.54372	26.917	3.9684	5.03E-01	5.92E+01	2.98E+00	2.27E-01	6.29E+01	4.89E-01	2.50E-04	2.98E-01	4.44E-02	8.31E-01	5.48E-01	5.92E+01	2.98E+00	2.27E-01	6.29E+01
5354	490863.09	3866377.25	6.77021	6.37702	11.239	4.60356	5.16E-01	6.81E+01	1.24E+00	2.63E-01	7.01E+01	5.01E-01	2.87E-04	1.24E-01	5.15E-02	6.77E-01	5.62E-01	6.81E+01	1.24E+00	2.63E-01	7.01E+01
5355	491363.09	3866377.25	6.69297	8.61143	9.1911	5.14257	5.10E-01	9.19E+01	1.02E+00	2.94E-01	9.37E+01	4.96E-01	3.88E-04	1.02E-01	5.76E-02	6.55E-01	5.56E-01	9.19E+01	1.02E+00	2.94E-01	9.38E+01
5356	491863.09	3866377.25	12.7694	7.2157	11.11	6.32018	9.73E-01	7.70E+01	1.23E+00	3.61E-01	7.96E+01	9.45E-01	3.25E-04	1.23E-01	7.08E-02	1.14E+00	1.06E+00	7.70E+01	1.23E+00	3.61E-01	7.97E+01
5357	492363.09	3866377.25	14.9182	5.66113	15.514	8.67656	1.14E+00	6.04E+01	1.72E+00	4.96E-01	6.38E+01	1.10E+00	2.55E-04	1.72E-01	9.71E-02	1.37E+00	1.24E+00	6.04E+01	1.72E+00	4.96E-01	6.39E+01
5358	492863.09	3866377.25	8.65251	3.84274	17.329	18.1507	6.60E-01	4.10E+01	1.92E+00	1.04E+00	4.46E+01	6.41E-01	1.73E-04	1.92E-01	2.03E-01	1.04E+00	7.18E-01	4.10E+01	1.92E+00	1.04E+00	4.47E+01
5359	493363.09	3866377.25	9.68825	4.45774	20.339	18.99335	7.38E-01	4.76E+01	2.25E+00	1.09E+00	5.16E+01	7.17E-01	2.01E-04	2.25E-01	2.13E-01	1.15E+00	8.04E-01	4.76E+01	2.25E+00	1.09E+00	5.17E+01
5360	493863.09	3866377.25	10.2486	6.08058	17.654	13.37964	7.81E-01	6.49E+01	1.95E+00	7.65E-01	6.84E+01	7.59E-01	2.74E-04	1.95E-01	1.50E-01	1.10E+00	8.51E-01	6.49E+01	1.95E+00	7.65E-01	6.85E+01
5361	494363.09	3866377.25	9.14407	8.06864	17.688	6.0745	6.97E-01	8.61E+01	1.96E+00	3.47E-01	8.91E+01	6.77E-01	3.64E-04	1.96E-01	6.80E-02	9.41E-01	7.59E-01	8.61E+01	1.96E+00	3.47E-01	8.92E+01
5362	494863.09	3866377.25	8.48181	8.81572	22.345	6.92932	6.46E-01	9.41E+01	2.47E+00	3.96E-01	9.76E+01	6.28E-01	3.97E-04	2.47E-01	7.76E-02	9.53E-01	7.04E-01	9.41E+01	2.47E+00	3.96E-01	9.77E+01
5363	495363.09	3866377.25	9.6876	6.75038	32.66	9.63814	7.38E-01	7.20E+01	3.61E+00	5.51E-01	7.69E+01	7.17E-01	3.04E-04	3.61E-01	1.08E-01	1.19E+00	8.04E-01	7.20E+01	3.61E+00	5.51E-01	7.70E+01
5364	495863.09	3866377.25	9.51295	7.42003	21.738	11.51078	7.25E-01	7.92E+01	2.40E+00	6.58E-01	8.30E+01	7.04E-01	3.34E-04	2.40E-01	1.29E-01	1.07E+00	7.90E-01	7.92E+01	2.40E+00	6.58E-01	8.30E+01

5365	496363.09	3866377.25	9.58828	7.37996	16.402	8.75328	7.31E-01	7.88E+01	1.81E+00	5.01E-01	8.18E+01	7.10E-01	3.33E-04	1.81E-01	9.80E-02	9.90E-01	7.96E-01	7.88E+01	1.81E+00	5.01E-01	8.19E+01
5366	496863.09	3866377.25	9.87197	6.44016	21.607	5.14855	7.52E-01	6.87E+01	2.39E+00	2.94E-01	7.22E+01	7.31E-01	2.90E-04	2.39E-01	5.76E-02	1.03E+00	8.20E-01	6.87E+01	2.39E+00	2.94E-01	7.22E+01
5367	497363.09	3866377.25	7.96894	6.17679	29.368	9.39034	6.07E-01	6.59E+01	3.25E+00	5.37E-01	7.03E+01	5.90E-01	2.78E-04	3.25E-01	1.05E-01	1.02E+00	6.62E-01	6.59E+01	3.25E+00	5.37E-01	7.04E+01
5368	497863.09	3866377.25	8.50232	5.97306	30.579	11.97684	6.48E-01	6.37E+01	3.38E+00	6.85E-01	6.85E+01	6.29E-01	2.69E-04	3.38E-01	1.34E-01	1.10E+00	7.06E-01	6.37E+01	3.38E+00	6.85E-01	6.85E+01
5369	498363.09	3866377.25	9.30357	4.45618	21.128	16.005	7.09E-01	4.76E+01	2.34E+00	9.15E-01	5.15E+01	6.89E-01	2.01E-04	2.34E-01	1.79E-01	1.10E+00	7.72E-01	4.76E+01	2.34E+00	9.15E-01	5.16E+01
5370	474494.92	3848334.16	11.9534	7.07046	8.464	4.99263	9.11E-01	7.55E+01	9.36E-01	2.85E-01	7.76E+01	8.85E-01	3.19E-04	9.36E-02	5.59E-02	1.03E+00	9.92E-01	7.55E+01	9.36E-01	2.85E-01	7.77E+01
5371	475167.27	3848920.79	10.9933	7.54949	8.4904	5.27206	8.38E-01	8.06E+01	9.39E-01	3.01E-01	8.26E+01	8.14E-01	3.40E-04	9.39E-02	5.90E-02	9.67E-01	9.13E-01	8.06E+01	9.39E-01	3.01E-01	8.27E+01
5372	475297.89	3848997.96	11.3967	7.82032	8.6469	5.30985	8.69E-01	8.35E+01	9.56E-01	3.04E-01	8.56E+01	8.44E-01	3.53E-04	9.56E-02	5.94E-02	9.99E-01	9.46E-01	8.35E+01	9.56E-01	3.04E-01	8.57E+01
5373	475439.05	3849062	12.0866	7.77134	8.896	5.33378	9.21E-01	8.29E+01	9.84E-01	3.05E-01	8.51E+01	8.95E-01	3.50E-04	9.84E-02	5.97E-02	1.05E+00	1.00E+00	8.29E+01	9.84E-01	3.05E-01	8.52E+01
5374	475486.86	3849061.09	12.6717	7.80093	9.077	5.32253	9.66E-01	8.32E+01	1.00E+00	3.04E-01	8.55E+01	9.38E-01	3.52E-04	1.00E-01	5.96E-02	1.10E+00	1.05E+00	8.32E+01	1.00E+00	3.04E-01	8.56E+01
5375	475538.46	3849075.56	13.0782	7.95581	9.2102	5.32056	9.97E-01	8.49E+01	1.02E+00	3.04E-01	8.72E+01	9.68E-01	3.59E-04	1.02E-01	5.96E-02	1.13E+00	1.09E+00	8.49E+01	1.02E+00	3.04E-01	8.73E+01
5376	475751.79	3849137.15	14.248	8.67699	9.7611	5.29382	1.09E+00	9.26E+01	1.08E+00	3.03E-01	9.51E+01	1.05E+00	3.91E-04	1.08E-01	5.93E-02	1.22E+00	1.18E+00	9.26E+01	1.08E+00	3.03E-01	9.52E+01
5377	476303.62	3849223.38	12.9678	7.08844	11.419	4.91148	9.88E-01	7.56E+01	1.26E+00	2.81E-01	7.82E+01	9.60E-01	3.20E-04	1.26E-01	5.50E-02	1.14E+00	1.08E+00	7.56E+01	1.26E+00	2.81E-01	7.83E+01
5378	476304.51	3849238.92	12.9591	7.24649	11.371	4.94175	9.88E-01	7.73E+01	1.26E+00	2.83E-01	7.99E+01	9.59E-01	3.27E-04	1.26E-01	5.53E-02	1.14E+00	1.08E+00	7.73E+01	1.26E+00	2.83E-01	7.99E+01
5379	476365.04	3849247.98	12.9639	6.87901	11.543	4.87937	9.88E-01	7.34E+01	1.28E+00	2.79E-01	7.60E+01	9.60E-01	3.10E-04	1.28E-01	5.46E-02	1.14E+00	1.08E+00	7.34E+01	1.28E+00	2.79E-01	7.60E+01
5380	476444.86	3849267.13	12.9383	6.39618	11.741	4.80615	9.86E-01	6.83E+01	1.30E+00	2.75E-01	7.08E+01	9.58E-01	2.88E-04	1.30E-01	5.38E-02	1.14E+00	1.07E+00	6.83E+01	1.30E+00	2.75E-01	7.09E+01
5381	476550.75	3849300.66	13.0303	6.77232	11.977	4.721	9.93E-01	7.23E+01	1.32E+00	2.70E-01	7.49E+01	9.65E-01	3.05E-04	1.32E-01	5.28E-02	1.15E+00	1.08E+00	7.23E+01	1.32E+00	2.70E-01	7.49E+01
5382	476656.71	3849346.88	13.5229	6.88908	12.172	4.65812	1.03E+00	7.35E+01	1.35E+00	2.66E-01	7.62E+01	1.00E+00	3.11E-04	1.35E-01	5.21E-02	1.19E+00	1.12E+00	7.35E+01	1.35E+00	2.66E-01	7.63E+01
5383	476873.55	3849454.53	14.0237	7.30889	12.533	4.54785	1.07E+00	7.80E+01	1.39E+00	2.60E-01	8.07E+01	1.04E+00	3.29E-04	1.39E-01	5.09E-02	1.23E+00	1.16E+00	7.80E+01	1.39E+00	2.60E-01	8.08E+01
5384	477700	3849859.7	13.2731	8.86572	13.844	3.97194	1.01E+00	9.46E+01	1.53E+00	2.27E-01	9.74E+01	9.83E-01	4.00E-04	1.53E-01	4.45E-02	1.18E+00	1.10E+00	9.46E+01	1.53E+00	2.27E-01	9.75E+01
5385	477743.16	3849856.38	13.8865	8.58907	13.928	3.86319	1.06E+00	9.17E+01	1.54E+00	2.21E-01	9.45E+01	1.03E+00	3.87E-04	1.54E-01	4.32E-02	1.23E+00	1.15E+00	9.17E+01	1.54E+00	2.21E-01	9.46E+01
5386	478477.35	3850216.33	17.2159	9.24516	14.824	3.18436	1.31E+00	9.87E+01	1.64E+00	1.82E-01	1.02E+02	1.27E+00	4.17E-04	1.64E-01	3.56E-02	1.47E+00	1.43E+00	9.87E+01	1.64E+00	1.82E-01	1.02E+02
5387	478485.8	3850201.6	17.7438	9.21202	14.816	3.24203	1.35E+00	9.83E+01	1.64E+00	1.85E-01	1.01E+02	1.31E+00	4.15E-04	1.64E-01	3.63E-02	1.51E+00	1.47E+00	9.83E+01	1.64E+00	1.85E-01	1.02E+02
5388	479113.21	3850501.53	17.9918	8.86124	15.259	4.32265	1.37E+00	9.46E+01	1.69E+00	2.47E-01	9.79E+01	1.33E+00	3.99E-04	1.69E-01	4.84E-02	1.55E+00	1.49E+00	9.46E+01	1.69E+00	2.47E-01	9.80E+01
5389	479108.11	3850382.28	17.4039	8.29004	14.877	5.02782	1.33E+00	8.85E+01	1.64E+00	2.88E-01	9.17E+01	1.29E+00	3.74E-04	1.64E-01	5.63E-02	1.51E+00	1.44E+00	8.85E+01	1.64E+00	2.88E-01	9.18E+01
5390	479689.85	3850674.28	20.7242	7.25158	14.761	6.61294	1.58E+00	7.74E+01	1.63E+00	3.78E-01	8.10E+01	1.53E+00	3.27E-04	1.63E-01	7.40E-02	1.77E+00	1.72E+00	7.74E+01	1.63E+00	3.78E-01	8.11E+01
5391	479952.42	3850774.28	20.8412	6.56992	14.392	6.3347	1.59E+00	7.01E+01	1.59E+00	3.62E-01	7.37E+01	1.54E+00	2.96E-04	1.59E-01	7.09E-02	1.77E+00	1.73E+00	7.01E+01	1.59E+00	3.62E-01	7.38E+01
5392	479911.32	3850884.85	19.4332	7.5637	15.207	5.76347	1.48E+00	8.07E+01	1.68E+00	3.30E-01	8.42E+01	1.44E+00	3.41E-04	1.68E-01	6.45E-02	1.67E+00	1.61E+00	8.07E+01	1.68E+00	3.30E-01	8.43E+01
5393	480500.92	3851178.12	21.2229	7.39976	14.729	4.27196	1.62E+00	7.90E+01	1.63E+00	2.44E-01	8.25E+01	1.57E+00	3.34E-04	1.63E-01	4.78E-02	1.78E+00	1.76E+00	7.90E+01	1.63E+00	2.44E-01	8.26E+01
5394	480738.01	3851289.27	23.2273	6.81324	14.347	4.04496	1.77E+00	7.27E+01	1.59E+00	2.31E-01	7.63E+01	1.72E+00	3.07E-04	1.59E-01	4.53E-02	1.92E+00	1.93E+00	7.27E+01	1.59E+00	2.31E-01	7.65E+01
5395	481055.42	3851443.58	24.5896	6.69103	13.745	3.87834	1.87E+00	7.14E+01	1.52E+00	2.22E-01	7.50E+01	1.82E+00	3.02E-04	1.52E-01	4.34E-02	2.02E+00	2.04E+00	7.14E+01	1.52E+00	2.22E-01	7.52E+01
5396	481110.22	3851443.15	24.6306	6.8079	13.375	3.93856	1.88E+00	7.27E+01	1.48E+00	2.25E-01	7.62E+01	1.82E+00	3.07E-04	1.48E-01	4.41E-02	2.02E+00	2.04E+00	7.27E+01	1.48E+00	2.25E-01	7.64E+01
5397	481111.1	3851417.45	24.3318	6.80302	13.129	4.02956	1.85E+00	7.26E+01	1.45E+00	2.30E-01	7.61E+01	1.80E+00	3.07E-04	1.45E-01	4.51E-02	1.99E+00	2.02E+00	7.26E+01	1.45E+00	2.30E-01	7.63E+01
5398	482248.44	3852605.09	34.7514	8.52268	16.984	5.21617	2.65E+00	9.10E+01	1.88E+00	2.98E-01	9.58E+01	2.57E+00	3.84E-04	1.88E-01	5.84E-02	2.82E+00	2.89E+00	9.10E+01	1.88E+00	2.98E-01	9.60E+01
5399	482273.34	3852632.31	35.1069	8.59723	17.096	5.29783	2.68E+00	9.17E+01	1.89E+00	3.03E-01	9.66E+01	2.60E+00	3.88E-04	1.89E-01	5.93E-02	2.85E+00	2.91E+00	9.17E+01	1.89E+00	3.03E-01	9.69E+01
5400	482665.46	3853038.72	40.8641	8.58789	18.741	6.43965	3.11E+00	9.16E+01	2.07E+00	3.68E-01	9.72E+01	3.03E+00	3.87E-04	2.07E-01	7.21E-02	3.30E+00	3.39E+00	9.16E+01	2.07E+00	3.68E-01	9.75E+01
5401	483077.95	3853844.31	60.107	9.36495	24.3	8.93477	4.58E+00	9.99E+01	2.69E+00	5.11E-01	1.08E+02	4.45E+00	4.22E-04	2.69E-01	1.00E-01	4.82E+00	4.99E+00	9.99E+01	2.69E+00	5.11E-01	1.08E+02
5402	483121.38	3853909.38	62.1334	9.24549	24.592	9.49003	4.74E+00	9.87E+01	2.72E+00	5.43E-01	1.07E+02	4.60E+00	4.17E-04	2.72E-01	1.06E-01	4.98E+00	5.16E+00	9.87E+01	2.72E+00	5.43E-01	1.07E+02
5403	483492.64	3853911.49	64.6927	7.37302	23.133	6.58342	4.93E+00	7.87E+01	2.56E+00	3.76E-01	8.65E+01	4.79E+00	3.32E-04	2.56E-01	7.37E-02	5.12E+00	5.37E+00	7.87E+01	2.56E+00	3.76E-01	8.70E+01
5404	483498.29	3854204.73	77.5639	8.41752	25.959	9.27339	5.91E+00	8.98E+01	2.87E+00	5.30E-01	9.91E+01	5.74E+00	3.79E-04	2.87E-01	1.04E-01	6.13E+00	6.44E+00	8.98E+01	2.87E+00	5.30E-01	9.97E+01
5405	484132.44	3854662.55	92.909	5.42312	28.282	14.73562	7.08E+00	5.79E+01	3.13E+00	8.43E-01	6.89E+01	6.88E+00	2.44E-04	3.13E-01	1.65E-01	7.36E+00	7.71E+00	5.79E+01	3.13E+00	8.43E-01	6.96E+01
5406	484627.62	3854876.13	91.1452	4.50672	27.808	12.40377	6.95E+00	4.81E+01	3.07E+00	7.09E-01	5.88E+01	6.75E+00	2.03E-04	3.07E-01	1.39E-01	7.19E+00	7.57E+00	4.81E+01	3.07E+00	7.09E-01	5.94E+01
5407	484756.14	3854949.04	86.9386	4.23802	27.689	9.9129	6.63E+00	4.52E+01	3.06E+00	5.67E-01	5.55E+01	6.44E+00	1.91E-04	3.06E-01	1.11E-01	6.85E+00	7.22E+00	4.52E+01	3.06E+00	5.67E-01	5.61E+01
5408	486697.51	3856599.17	94.2198	5.64831	41.807	21.4009	7.18E+00	6.03E+01	4.62E+00	1.22E+00	7.33E+01	6.98E+00	2.55E-04	4.62E-01	2.40E-01	7.68E+00	7.82E+00	6.03E+01	4.62E+00	1.22E+00	7.39E+01
5409	487105.31	3856962.27	103.111	6.2034	46.213	13.75501	7.86E+00	6.62E+01	5.11E+00	7.87E-01	8.00E+01	7.63E+00	2.80E-04	5.11E-01	1.54E-01	8.30E+00	8.56E+00	6.62E+01	5.11E+00	7.87E-01	8.07E+01
5410	487157.57	3856901.7	78.7876	6.36968	34.744	14.12808	6.01E+00	6.80E+01	3.84E+00	8.08E-01	7.86E+01	5.83E+00	2.87E-04	3.84E-01	1.58E-01	6.38E+00	6.54E+00	6.80E+01	3.84E+00	8.08E-01	7.92E+01
5411	487173.5	3856853.74	70.0566	6.33636	28.527	15.12813	5.34E+00	6.76E+01	3.15E+00	8.65E-01	7.70E+01	5.19E+00	2.86E-04	3.15E-01	1.69E-01	5.67E+00	5.82E+00	6.76E+01	3.15E+00	8.65E-01	7.75E+01
5412	487564.41	3856860.83	43.0599	6.07011	72.031	12.16421	3.28E+00	6.48E+01	7.96E+00	6.96E-01	7.67E+01	3.19E+00	2.74E-04	7.96E-01	1.36E-01	4.12E+00	3.57E+00	6.48E+01	7.96E+00	6.96E-01	7.70E+01
5413	487563.31	3856931.58	47.8133	6.44147	70.547	11.12745	3.64E+00	6.87E+01	7.80E+00	6.36E-01	8.08E+01	3.54E+00	2.90E-04	7.80E-01	1.25E-01	4.44E+00	3.97E+00	6.87E+01	7.80E+00	6.36E-01	8.11E+01
5414	487782.7	3856926.85	38.2791	6.33299	80.134	9.81239	2.92E+00	6.76E+01	8.86E+00	5.61E-01	7.99E+01	2.83E+00	2.85E-04	8.86E-01	1.10E-01	3.83E+00	3.18E+00	6.76E+01	8.86E+00	5.61E-01	8.02E+01
5415	487782.39	3856757.07	33.1088	6.14073	71.093	10.7611	2.52E+00	6.55E+01	7.86E+00	6.15E-01	7.65E+01	2.45E+00	2.77E-04	7.86E-01	1.20E-01	3.36E+00	2.75E+00	6.55E+01	7.86E+00	6.15E-01	7.68E+01
5416	487917.26	3856752.41	30.6275	6.14828	53.866	9.66807	2.33E+00	6.56E+01	5.96E+00	5.53E-01	7.45E+01	2.27E+00	2.77E-04	5.96E-01	1.08E-01	2.97E+00	2.54E+00	6.56E+01	5.96E+00	5.53E-01	7.47E+01
5417	487919.57	3856953.35	35.0335	6.76294	64.366	8.56681	2.67E+00	7.22E+01	7.12E+00	4.90E-01	8.24E+01	2.59E+00	3.05E-04	7.12E-01	9.59E-02	3.40E+00	2.91E+00	7.22E+01	7.12E+00	4.90E-01	8.27E+01
5418	487932.76	3857000.32	36.5859	6.83113	64.577	7.9219	2.79E+00	7.29E+01	7.14E+00	4.53E-01	8.33E+01	2.71E+00	3.08E-04	7.14E-01	8.87E-02	3.51E+00	3.04E+00	7.29E+01	7.14E+00	4.53E-01	8.35E+01
5419	487960.5	3857044.75	37.4887	6.93546	61.456	7.09372	2.86E+00	7.40E+01	6.79E+00	4.06E-01	8.41E+01	2.78E+00	3.13E-04	6.79E-01	7.94E-02	3.53E+00	3.11E+00	7.40E+01	6.79E+00	4.06E-01	8.43E+01
5420	488016.54	3857089.54	37.5215	7.06619	51.12	6.12794	2.86E+00	7.54E+01	5.65E+00	3.50E-01	8.43E+01	2.78E+00	3.19E-04	5.65E-01	6.86E-02	3.41E+00	3.12E+00	7.54E+01	5.65E+00	3.50E-01	8.45E+01
5421	488114.39	3857165.47	37.3652	7.73847	43.534	5.56543	2.85E+00	8.26E+01	4.81E+00	3.18E-01	9.06E+01	2.77E+00	3.49E-04	4.81E-01	6.23E-02	3.31E+00	3.10E+00	8.26E+01	4.81E+00	3.18E-01	9.08E+01
5422	488171.49	3857234.24	37.9138	8.29529	46.262	5.38775	2.89E+00	8.85E+01	5.11E+00	3.08E-01	9.68E+01	2.81E+00	3.74E-04	5.11E-01	6.03E-02	3.38E+00	3.15E+00	8.85E+01	5.11E+00	3.08E-01	9.71E+01
5423	488193.16	3857297.8	40.4087	8.83986	50.395	5.54255	3.08E+00	9.43E+01	5.57E+00	3.17E-01	1.03E+02	2.99E+00	3.98E-04	5.57E-01	6.20E-02	3.61E+00	3.35E+00	9.43E+01	5.57E+00	3.17E-01	1.04E+02
5424	488189.27	3857649.94	54.76	11.2421	96.705	11.83601	4.17E+00	1.20E+02	1.07E+01	6.77E-01	1.36E+02	4.05E+00	5.07E-04	1.07E+00	1.32E-01	5.26E+00	4.55E+00	1.20E+02	1.07E+01	6.77E-01	1.36E+02
5425	488127.43	3857732.32	54.2115	11.232	141.11	12.88749	4.13E+00	1.20E+02	1.56E+01	7.37E-01	1.40E+02	4.01E+00	5.06E-04	1.56E+00	1.44E-01	5.72E+00	4.50E+00	1.20E+02	1.56E+01	7.37E-01	1.41E+02

5426	488149.93	3857752.94	53.6174	11.3405	129.85	13.068	4.09E+00	1.21E+02	1.44E+01	7.47E-01	1.40E+02	3.97E+00	5.11E-04	1.44E+00	1.46E-01	5.55E+00	4.45E+00	1.21E+02	1.44E+01	7.47E-01	1.41E+02
5427	488144.76	3857758.71	53.7971	11.3031	135.67	13.1377	4.10E+00	1.21E+02	1.50E+01	7.51E-01	1.40E+02	3.98E+00	5.10E-04	1.50E+00	1.47E-01	5.63E+00	4.47E+00	1.21E+02	1.50E+01	7.51E-01	1.41E+02
5428	488335.58	3857932.55	47.6332	13.4292	178.01	8.54666	3.63E+00	1.43E+02	1.97E+01	4.89E-01	1.67E+02	3.53E+00	6.05E-04	1.97E+00	9.57E-02	5.59E+00	3.95E+00	1.43E+02	1.97E+01	4.89E-01	1.67E+02
5429	488372.29	3857943.79	46.7334	13.4938	222.58	9.16896	3.56E+00	1.44E+02	2.46E+01	5.24E-01	1.73E+02	3.46E+00	6.08E-04	2.46E+00	1.03E-01	6.02E+00	3.88E+00	1.44E+02	2.46E+01	5.24E-01	1.73E+02
5430	488828.64	3857936.4	40.5881	12.9814	139.46	10.18673	3.09E+00	1.39E+02	1.54E+01	5.83E-01	1.58E+02	3.00E+00	5.85E-04	1.54E+00	1.14E-01	4.66E+00	3.37E+00	1.39E+02	1.54E+01	5.83E-01	1.58E+02
5431	488829.08	3857959.58	41.0599	13.1529	135.21	9.98644	3.13E+00	1.40E+02	1.49E+01	5.71E-01	1.59E+02	3.04E+00	5.93E-04	1.49E+00	1.12E-01	4.65E+00	3.41E+00	1.40E+02	1.49E+01	5.71E-01	1.59E+02
5432	488351.61	3857964.55	46.9529	13.6839	311.54	9.61035	3.58E+00	1.46E+02	3.44E+01	5.50E-01	1.85E+02	3.48E+00	6.17E-04	3.44E+00	1.08E-01	7.03E+00	3.90E+00	1.46E+02	3.44E+01	5.50E-01	1.85E+02
5433	488316.87	3857947.65	48.2869	13.4865	193.18	8.65805	3.68E+00	1.44E+02	2.14E+01	4.95E-01	1.69E+02	3.57E+00	6.08E-04	2.14E+00	9.69E-02	5.81E+00	4.01E+00	1.44E+02	2.14E+01	4.95E-01	1.70E+02
5434	488129.1	3857775.77	54.0207	11.2402	149.9	13.32168	4.12E+00	1.20E+02	1.66E+01	7.62E-01	1.41E+02	4.00E+00	5.07E-04	1.66E+00	1.49E-01	5.81E+00	4.48E+00	1.20E+02	1.66E+01	7.62E-01	1.42E+02
5435	488062.53	3857846.13	58.5779	11.2003	268.9	13.95867	4.46E+00	1.20E+02	2.97E+01	7.98E-01	1.55E+02	4.34E+00	5.05E-04	2.97E+00	1.56E-01	7.47E+00	4.86E+00	1.20E+02	2.97E+01	7.98E-01	1.55E+02
5436	488330.41	3858091.34	49.8658	14.1678	513.89	12.99091	3.80E+00	1.51E+02	5.68E+01	7.43E-01	2.13E+02	3.69E+00	6.39E-04	5.68E+00	1.45E-01	9.52E+00	4.14E+00	1.51E+02	5.68E+01	7.43E-01	2.13E+02
5437	488470.87	3858174.45	46.0504	13.6969	314.53	12.65193	3.51E+00	1.46E+02	3.48E+01	7.23E-01	1.85E+02	3.41E+00	6.17E-04	3.48E+00	1.42E-01	7.03E+00	3.82E+00	1.46E+02	3.48E+01	7.23E-01	1.85E+02
5438	488568.9	3858262.31	43.1925	15.9393	212.11	9.02608	3.29E+00	1.70E+02	2.35E+01	5.16E-01	1.97E+02	3.20E+00	7.19E-04	2.35E+00	1.01E-01	5.64E+00	3.59E+00	1.70E+02	2.35E+01	5.16E-01	1.98E+02
5439	488964.27	3858025.71	39.1496	14.0905	107.68	9.43602	2.98E+00	1.50E+02	1.19E+01	5.40E-01	1.66E+02	2.90E+00	6.35E-04	1.19E+00	1.06E-01	4.20E+00	3.25E+00	1.50E+02	1.19E+01	5.40E-01	1.66E+02
5440	489147.25	3857956.64	34.5856	12.5094	82.085	10.37733	2.64E+00	1.33E+02	9.08E+00	5.93E-01	1.46E+02	2.56E+00	5.64E-04	9.08E-01	1.16E-01	3.58E+00	2.87E+00	1.33E+02	9.08E+00	5.93E-01	1.46E+02
5441	489343.52	3857932.45	30.8771	11.5237	71.258	9.51099	2.35E+00	1.23E+02	7.88E+00	5.44E-01	1.34E+02	2.29E+00	5.19E-04	7.88E-01	1.06E-01	3.18E+00	2.56E+00	1.23E+02	7.88E+00	5.44E-01	1.34E+02
5442	489866.19	3857923.19	23.841	8.03294	69.968	5.15008	1.82E+00	8.57E+01	7.74E+00	2.94E-01	9.56E+01	1.77E+00	3.62E-04	7.74E-01	5.77E-02	2.60E+00	1.98E+00	8.57E+01	7.74E+00	2.94E-01	9.57E+01
5443	489955.65	3857902.27	22.3627	7.20191	69.857	5.31833	1.70E+00	7.69E+01	7.72E+00	3.04E-01	8.66E+01	1.66E+00	3.25E-04	7.72E-01	5.95E-02	2.49E+00	1.86E+00	7.69E+01	7.72E+00	3.04E-01	8.67E+01
5444	490079.44	3857847.9	21.1689	6.65882	68.207	5.10803	1.61E+00	7.11E+01	7.54E+00	2.92E-01	8.05E+01	1.57E+00	3.00E-04	7.54E-01	5.72E-02	2.38E+00	1.76E+00	7.11E+01	7.54E+00	2.92E-01	8.07E+01
5445	490108.49	3857934.13	21.0428	6.29999	69.17	5.17682	1.60E+00	6.72E+01	7.65E+00	2.96E-01	7.68E+01	1.56E+00	2.84E-04	7.65E-01	5.80E-02	2.38E+00	1.75E+00	6.72E+01	7.65E+00	2.96E-01	7.69E+01
5446	489884.48	3858014.17	24.8809	7.54201	67.141	5.3142	1.90E+00	8.05E+01	7.42E+00	3.04E-01	9.01E+01	1.84E+00	3.40E-04	7.42E-01	5.95E-02	2.64E+00	2.07E+00	8.05E+01	7.42E+00	3.04E-01	9.03E+01
5447	489326.56	3858025.86	32.7806	11.8949	75.328	9.53315	2.50E+00	1.27E+02	8.33E+00	5.45E-01	1.38E+02	2.43E+00	5.36E-04	8.33E-01	1.07E-01	3.37E+00	2.72E+00	1.27E+02	8.33E+00	5.45E-01	1.39E+02
5448	489130.38	3858056.71	36.0782	12.5362	90.8	10.7925	2.75E+00	1.34E+02	1.00E+01	6.17E-01	1.47E+02	2.67E+00	5.65E-04	1.00E+00	1.21E-01	3.80E+00	3.00E+00	1.34E+02	1.00E+01	6.17E-01	1.47E+02
5449	488936.49	3858143.93	38.0213	14.8861	120.45	9.49701	2.90E+00	1.59E+02	1.33E+01	5.43E-01	1.76E+02	2.81E+00	6.71E-04	1.33E+00	1.06E-01	4.25E+00	3.16E+00	1.59E+02	1.33E+01	5.43E-01	1.76E+02
5450	488638.08	3858327.45	41.7814	16.669	153.85	7.75802	3.18E+00	1.78E+02	1.70E+01	4.44E-01	1.99E+02	3.09E+00	7.51E-04	1.70E+00	8.68E-02	4.88E+00	3.47E+00	1.78E+02	1.70E+01	4.44E-01	1.99E+02
5451	488663.79	3858349.57	41.331	17.006	137.19	8.37712	3.15E+00	1.81E+02	1.52E+01	4.79E-01	2.00E+02	3.06E+00	7.67E-04	1.52E+00	9.38E-02	4.67E+00	3.43E+00	1.81E+02	1.52E+01	4.79E-01	2.01E+02
5452	488694.56	3858349.5	40.9624	17.0691	140.69	8.53576	3.12E+00	1.82E+02	1.56E+01	4.88E-01	2.01E+02	3.03E+00	7.69E-04	1.56E+00	9.56E-02	4.68E+00	3.40E+00	1.82E+02	1.56E+01	4.88E-01	2.02E+02
5453	488694.35	3858336.75	40.9157	16.9156	148.39	8.49053	3.12E+00	1.81E+02	1.64E+01	4.86E-01	2.01E+02	3.03E+00	7.63E-04	1.64E+00	9.50E-02	4.77E+00	3.40E+00	1.81E+02	1.64E+01	4.86E-01	2.01E+02
5454	488712.81	3858336.38	40.467	16.9341	146.32	8.64215	3.08E+00	1.81E+02	1.62E+01	4.94E-01	2.00E+02	3.00E+00	7.63E-04	1.62E+00	9.67E-02	4.71E+00	3.36E+00	1.81E+02	1.62E+01	4.94E-01	2.01E+02
5455	488713.23	3858367.46	40.6363	17.3229	129.23	8.73402	3.10E+00	1.85E+02	1.43E+01	4.99E-01	2.03E+02	3.01E+00	7.81E-04	1.43E+00	9.78E-02	4.54E+00	3.37E+00	1.85E+02	1.43E+01	4.99E-01	2.03E+02
5456	488704.63	3858384.05	40.5596	17.5593	114.57	8.72351	3.09E+00	1.87E+02	1.27E+01	4.99E-01	2.04E+02	3.00E+00	7.92E-04	1.27E+00	9.77E-02	4.37E+00	3.37E+00	1.87E+02	1.27E+01	4.99E-01	2.04E+02
5457	488604.15	3858488.29	41.6991	18.9974	105.38	8.87461	3.18E+00	2.03E+02	1.17E+01	5.07E-01	2.18E+02	3.09E+00	8.56E-04	1.17E+00	9.93E-02	4.35E+00	3.46E+00	2.03E+02	1.17E+01	5.07E-01	2.18E+02
5458	488605.66	3858550.47	40.6108	20.1882	84.61	8.46156	3.10E+00	2.15E+02	9.35E+00	4.84E-01	2.28E+02	3.01E+00	9.10E-04	9.35E-01	9.47E-02	4.04E+00	3.37E+00	2.15E+02	9.35E+00	4.84E-01	2.29E+02
5459	488692.68	3858548.71	39.9726	20.0411	81.525	9.00172	3.05E+00	2.14E+02	9.01E+00	5.15E-01	2.26E+02	2.96E+00	9.03E-04	9.01E-01	1.01E-01	3.96E+00	3.32E+00	2.14E+02	9.01E+00	5.15E-01	2.27E+02
5460	488759.93	3858461.81	38.8041	18.3495	90.022	9.7775	2.96E+00	1.96E+02	9.95E+00	5.59E-01	2.09E+02	2.87E+00	8.27E-04	9.95E-01	1.09E-01	3.98E+00	3.22E+00	1.96E+02	9.95E+00	5.59E-01	2.10E+02
5461	488816.57	3858541.79	37.3422	18.7831	78.468	11.71545	2.85E+00	2.00E+02	8.68E+00	6.70E-01	2.13E+02	2.76E+00	8.47E-04	8.68E-01	1.31E-01	3.76E+00	3.10E+00	2.00E+02	8.68E+00	6.70E-01	2.13E+02
5462	488944.63	3858656.77	35.6056	18.2974	62.459	11.57117	2.71E+00	1.95E+02	6.91E+00	6.62E-01	2.06E+02	2.64E+00	8.25E-04	6.91E-01	1.30E-01	3.46E+00	2.96E+00	1.95E+02	6.91E+00	6.62E-01	2.06E+02
5463	489134.91	3858830.7	33.1907	15.4643	59.928	8.74773	2.53E+00	1.65E+02	6.63E+00	5.00E-01	1.75E+02	2.46E+00	6.97E-04	6.63E-01	9.79E-02	3.22E+00	2.76E+00	1.65E+02	6.63E+00	5.00E-01	1.75E+02
5464	489193.99	3858886.05	32.4619	16.2857	58.676	7.6579	2.47E+00	1.74E+02	6.49E+00	4.38E-01	1.83E+02	2.40E+00	7.34E-04	6.49E-01	8.57E-02	3.14E+00	2.70E+00	1.74E+02	6.49E+00	4.38E-01	1.83E+02
5465	489295.2	3858954.34	31.1994	16.7077	57.012	7.51772	2.38E+00	1.78E+02	6.30E+00	4.30E-01	1.87E+02	2.31E+00	7.53E-04	6.30E-01	8.42E-02	3.03E+00	2.59E+00	1.78E+02	6.30E+00	4.30E-01	1.88E+02
5466	489295.64	3858992.74	31.1356	17.0574	55.754	6.60124	2.37E+00	1.82E+02	6.16E+00	3.77E-01	1.91E+02	2.31E+00	7.69E-04	6.16E-01	7.39E-02	3.00E+00	2.58E+00	1.82E+02	6.16E+00	3.77E-01	1.91E+02
5467	489183.74	3858911.72	32.4406	16.9226	57.588	7.94297	2.47E+00	1.81E+02	6.37E+00	4.54E-01	1.90E+02	2.40E+00	7.63E-04	6.37E-01	8.89E-02	3.13E+00	2.69E+00	1.81E+02	6.37E+00	4.54E-01	1.90E+02
5468	488873.37	3858625.59	36.8361	18.7392	64.352	10.90095	2.81E+00	2.00E+02	7.11E+00	6.23E-01	2.11E+02	2.73E+00	8.45E-04	7.11E-01	1.22E-01	3.56E+00	3.06E+00	2.00E+02	7.11E+00	6.23E-01	2.11E+02
5469	488842.84	3858658.69	37.4025	19.5183	59.368	10.81038	2.85E+00	2.08E+02	6.56E+00	6.18E-01	2.18E+02	2.77E+00	8.80E-04	6.56E-01	1.21E-01	3.55E+00	3.11E+00	2.08E+02	6.56E+00	6.18E-01	2.19E+02
5470	488856.39	3858670.93	37.2515	19.504	59.429	10.77489	2.84E+00	2.08E+02	6.57E+00	6.16E-01	2.18E+02	2.76E+00	8.79E-04	6.57E-01	1.21E-01	3.54E+00	3.09E+00	2.08E+02	6.57E+00	6.16E-01	2.18E+02
5471	488805.7	3858724.5	37.1334	20.7357	51.727	10.60327	2.83E+00	2.21E+02	5.72E+00	6.06E-01	2.30E+02	2.75E+00	9.35E-04	5.72E-01	1.19E-01	3.44E+00	3.08E+00	2.21E+02	5.72E+00	6.06E-01	2.31E+02
5472	488805.87	3858804.16	35.0966	22.1253	41.53	10.4649	2.68E+00	2.36E+02	4.59E+00	5.98E-01	2.44E+02	2.60E+00	9.97E-04	4.59E-01	1.17E-01	3.18E+00	2.91E+00	2.36E+02	4.59E+00	5.98E-01	2.44E+02
5473	488995.78	3858936.96	32.6857	19.6823	44.772	11.79921	2.49E+00	2.10E+02	4.95E+00	6.75E-01	2.18E+02	2.42E+00	8.87E-04	4.95E-01	1.32E-01	3.05E+00	2.71E+00	2.10E+02	4.95E+00	6.75E-01	2.18E+02
5474	489130.76	3859017.38	32.2779	19.1907	47.317	8.67651	2.46E+00	2.05E+02	5.23E+00	4.96E-01	2.13E+02	2.39E+00	8.65E-04	5.23E-01	9.71E-02	3.01E+00	2.68E+00	2.05E+02	5.23E+00	4.96E-01	2.13E+02
5475	489130.92	3859052.24	31.1565	20.0478	44.038	7.94377	2.37E+00	2.14E+02	4.87E+00	4.54E-01	2.22E+02	2.31E+00	9.04E-04	4.87E-01	8.89E-02	2.88E+00	2.59E+00	2.14E+02	4.87E+00	4.54E-01	2.22E+02
5476	489200.33	3859090.6	31.0289	19.7156	45.19	7.26738	2.37E+00	2.10E+02	5.00E+00	4.16E-01	2.18E+02	2.30E+00	8.89E-04	5.00E-01	8.14E-02	2.88E+00	2.58E+00	2.10E+02	5.00E+00	4.16E-01	2.18E+02
5477	489296.07	3859143.7	30.6318	19.0815	46.17	7.56569	2.33E+00	2.04E+02	5.10E+00	4.33E-01	2.12E+02	2.27E+00	8.60E-04	5.10E-01	8.47E-02	2.86E+00	2.54E+00	2.04E+02	5.10E+00	4.33E-01	2.12E+02
5478	489296.43	3858954.74	31.1823	16.7032	56.999	7.49974	2.38E+00	1.78E+02	6.30E+00	4.29E-01	1.87E+02	2.31E+00	7.53E-04	6.30E-01	8.40E-02	3.02E+00	2.59E+00	1.78E+02	6.30E+00	4.29E-01	1.88E+02
5479	489410.33	3859033.19	29.8381	16.2366	54.921	7.43185	2.27E+00	1.73E+02	6.07E+00	4.25E-01	1.82E+02	2.21E+00	7.32E-04	6.07E-01	8.32E-02	2.90E+00	2.48E+00	1.73E+02	6.07E+00	4.25E-01	1.82E+02
5480	489371.37	3859089.8	30.4869	17.8508	52.582	7.60098	2.32E+00	1.90E+02	5.81E+00	4.35E-01	1.99E+02	2.26E+00	8.05E-04	5.81E-01	8.51E-02	2.92E+00	2.53E+00	1.90E+02	5.81E+00	4.35E-01	1.99E+02
5481	489390.52	3859102.82	30.2446	17.8191	52.339	7.73849	2.31E+00	1.90E+02	5.79E+00	4.43E-01	1.99E+02	2.24E+00	8.03E-04	5.79E-01	8.66E-02	2.91E+00	2.51E+00	1.90E+02	5.79E+00	4.43E-01	1.99E+02
5482	489382.3	3859114.53	30.495	17.9902	51.559	7.77299	2.32E+00	1.92E+02	5.70E+00	4.44E-01	2.00E+02	2.26E+00	8.11E-04	5.70E-01	8.70E-02	2.92E+00	2.53E+00	1.92E+02	5.70E+00	4.44E-01	2.01E+02
5483	489363.04	3859102.45	30.7404	18.0561	51.723	7.64866	2.34E+00	1.93E+02	5.72E+00	4.37E-01	2.01E+02	2.28E+00	8.14E-04	5.72E-01	8.56E-02	2.93E+00	2.55E+00	1.93E+02	5.72E+00	4.37E-01	2.01E+02
5484	489337.52	3859140.71	30.7956	18.6557	48.345	7.75102	2.35E+00	1.99E+02	5.35E+00	4.43E-01	2.07E+02	2.28E+00	8.41E-04	5.35E-01	8.68E-02	2.90E+00	2.56E+00	1.99E+02	5.35E+00	4.43E-01	2.07E+02
5485	489375.14	3859164.55	30.4635	18.3774	48.242	7.8965	2.32E+00	1.96E+02	5.33E+00	4.52E-01	2.04E+02	2.26E+00	8.28E-04	5.33E-01	8.84E-02	2.88E+00	2.53E+00	1.96E+02	5.33E+00	4.52E-01	2.04E+02
5486	489409.3	3859114.5	29.9955	17.7564	52.149	7.81397	2.29E+00	1.89E+02	5.77E+00	4.47E-01	1.98E+02	2.22E+00	8.00E-04	5.77E-01	8.75E-02	2.89E+00	2.49E+00	1.89E+02	5.77E+00	4.47E-01	1.98E+02

5487	489434.87	3859131.81	29.6833	17.6214	51.846	7.85706	2.26E+00	1.88E+02	5.73E+00	4.49E-01	1.96E+02	2.20E+00	7.94E-04	5.73E-01	8.80E-02	2.86E+00	2.46E+00	1.88E+02	5.73E+00	4.49E-01	1.97E+02
5488	489471.87	3859075.75	29.142	16.5659	53.848	7.79135	2.22E+00	1.77E+02	5.95E+00	4.46E-01	1.85E+02	2.16E+00	7.47E-04	5.95E-01	8.72E-02	2.84E+00	2.42E+00	1.77E+02	5.95E+00	4.46E-01	1.86E+02
5489	489602.62	3859164.69	27.6707	16.3956	51.583	6.95936	2.11E+00	1.75E+02	5.70E+00	3.98E-01	1.83E+02	2.05E+00	7.39E-04	5.70E-01	7.79E-02	2.70E+00	2.30E+00	1.75E+02	5.70E+00	3.98E-01	1.83E+02
5490	489558.29	3859232.45	28.4046	17.0961	49.576	6.8844	2.17E+00	1.82E+02	5.48E+00	3.94E-01	1.90E+02	2.10E+00	7.71E-04	5.48E-01	7.71E-02	2.73E+00	2.36E+00	1.82E+02	5.48E+00	3.94E-01	1.91E+02
5491	489620.11	3859273.56	27.6358	16.915	48.782	6.18475	2.11E+00	1.81E+02	5.39E+00	3.54E-01	1.88E+02	2.05E+00	7.63E-04	5.39E-01	6.92E-02	2.66E+00	2.29E+00	1.81E+02	5.39E+00	3.54E-01	1.89E+02
5492	489666.06	3859206.42	26.9457	16.2413	50.488	5.77413	2.05E+00	1.73E+02	5.58E+00	3.30E-01	1.81E+02	1.99E+00	7.32E-04	5.58E-01	6.46E-02	2.62E+00	2.24E+00	1.73E+02	5.58E+00	3.30E-01	1.81E+02
5493	489787.9	3859285.65	25.7218	15.873	48.515	6.36918	1.96E+00	1.69E+02	5.36E+00	3.64E-01	1.77E+02	1.90E+00	7.16E-04	5.36E-01	7.13E-02	2.51E+00	2.14E+00	1.69E+02	5.36E+00	3.64E-01	1.77E+02
5494	489752.17	3859343.13	26.4937	16.2312	47.685	6.6321	2.02E+00	1.73E+02	5.27E+00	3.79E-01	1.81E+02	1.96E+00	7.32E-04	5.27E-01	7.42E-02	2.56E+00	2.20E+00	1.73E+02	5.27E+00	3.79E-01	1.81E+02
5495	489814.94	3859385.33	25.9409	15.9017	46.852	6.81842	1.98E+00	1.70E+02	5.18E+00	3.90E-01	1.77E+02	1.92E+00	7.17E-04	5.18E-01	7.63E-02	2.52E+00	2.15E+00	1.70E+02	5.18E+00	3.90E-01	1.77E+02
5496	489853.42	3859330.74	25.3073	15.6366	47.471	6.6966	1.93E+00	1.67E+02	5.25E+00	3.83E-01	1.74E+02	1.87E+00	7.05E-04	5.25E-01	7.50E-02	2.47E+00	2.10E+00	1.67E+02	5.25E+00	3.83E-01	1.75E+02
5497	489969.5	3859401.91	24.7815	15.132	45.726	6.6108	1.89E+00	1.61E+02	5.06E+00	3.78E-01	1.69E+02	1.83E+00	6.82E-04	5.06E-01	7.40E-02	2.41E+00	2.06E+00	1.61E+02	5.06E+00	3.78E-01	1.69E+02
5498	490166.91	3859486.96	24.1258	14.3906	42.503	6.92905	1.84E+00	1.54E+02	4.70E+00	3.96E-01	1.61E+02	1.79E+00	6.49E-04	4.70E-01	7.76E-02	2.33E+00	2.00E+00	1.54E+02	4.70E+00	3.96E-01	1.61E+02
5499	490128.86	3859571.46	22.9236	14.2102	42.905	7.18251	1.75E+00	1.52E+02	4.74E+00	4.11E-01	1.59E+02	1.70E+00	6.41E-04	4.74E-01	8.04E-02	2.25E+00	1.90E+00	1.52E+02	4.74E+00	4.11E-01	1.59E+02
5500	490186.65	3859593.65	22.4271	13.8197	42.317	7.34614	1.71E+00	1.47E+02	4.68E+00	4.20E-01	1.54E+02	1.66E+00	6.23E-04	4.68E-01	8.22E-02	2.21E+00	1.86E+00	1.47E+02	4.68E+00	4.20E-01	1.54E+02
5501	490223.74	3859517.48	23.7965	14.0869	41.658	7.16371	1.81E+00	1.50E+02	4.61E+00	4.10E-01	1.57E+02	1.76E+00	6.35E-04	4.61E-01	8.02E-02	2.30E+00	1.98E+00	1.50E+02	4.61E+00	4.10E-01	1.57E+02
5502	490846.34	3859817.22	20.4761	11.5442	40.58	7.21609	1.56E+00	1.23E+02	4.49E+00	4.13E-01	1.30E+02	1.52E+00	5.20E-04	4.49E-01	8.08E-02	2.05E+00	1.70E+00	1.23E+02	4.49E+00	4.13E-01	1.30E+02
5503	490925.65	3859844.59	20.0363	11.2901	41.108	7.04341	1.53E+00	1.20E+02	4.54E+00	4.03E-01	1.27E+02	1.48E+00	5.09E-04	4.54E-01	7.88E-02	2.02E+00	1.66E+00	1.20E+02	4.54E+00	4.03E-01	1.27E+02
5504	491159.29	3859896.28	18.1683	10.8642	42.427	6.69939	1.38E+00	1.16E+02	4.69E+00	3.83E-01	1.22E+02	1.35E+00	4.90E-04	4.69E-01	7.50E-02	1.89E+00	1.51E+00	1.16E+02	4.69E+00	3.83E-01	1.23E+02
5505	491370.69	3859960.89	17.6852	10.4006	41.342	6.2795	1.35E+00	1.11E+02	4.57E+00	3.59E-01	1.17E+02	1.31E+00	4.69E-04	4.57E-01	7.03E-02	1.84E+00	1.47E+00	1.11E+02	4.57E+00	3.59E-01	1.17E+02
5506	491330.28	3860063.17	17.0405	10.3457	37.796	7.09215	1.30E+00	1.10E+02	4.18E+00	4.06E-01	1.16E+02	1.26E+00	4.66E-04	4.18E-01	7.94E-02	1.76E+00	1.41E+00	1.10E+02	4.18E+00	4.06E-01	1.16E+02
5507	491636.45	3860180.75	16.2148	9.73626	37.696	6.16106	1.24E+00	1.04E+02	4.17E+00	3.52E-01	1.10E+02	1.20E+00	4.39E-04	4.17E-01	6.90E-02	1.69E+00	1.35E+00	1.04E+02	4.17E+00	3.52E-01	1.10E+02
5508	491617.94	3860203.93	15.9236	9.76491	36.856	6.19435	1.21E+00	1.04E+02	4.07E+00	3.54E-01	1.10E+02	1.18E+00	4.40E-04	4.07E-01	6.93E-02	1.66E+00	1.32E+00	1.04E+02	4.07E+00	3.54E-01	1.10E+02
5509	491805.68	3860271.59	15.7076	9.39925	36.65	5.38684	1.20E+00	1.00E+02	4.05E+00	3.08E-01	1.06E+02	1.16E+00	4.24E-04	4.05E-01	6.03E-02	1.63E+00	1.30E+00	1.00E+02	4.05E+00	3.08E-01	1.06E+02
5510	491654.23	3860414.02	16.1944	10.4982	29.558	5.4713	1.23E+00	1.12E+02	3.27E+00	3.13E-01	1.17E+02	1.20E+00	4.73E-04	3.27E-01	6.12E-02	1.59E+00	1.34E+00	1.12E+02	3.27E+00	3.13E-01	1.17E+02
5511	491592.62	3860510.76	16.0361	11.0993	29.309	5.61967	1.22E+00	1.18E+02	3.24E+00	3.21E-01	1.23E+02	1.19E+00	5.00E-04	3.24E-01	6.29E-02	1.57E+00	1.33E+00	1.18E+02	3.24E+00	3.21E-01	1.23E+02
5512	491475.41	3860368.93	16.3287	10.9835	29.652	5.45064	1.24E+00	1.17E+02	3.28E+00	3.12E-01	1.22E+02	1.21E+00	4.95E-04	3.28E-01	6.10E-02	1.60E+00	1.36E+00	1.17E+02	3.28E+00	3.12E-01	1.22E+02
5513	491445.61	3860337.28	16.4104	10.938	29.66	5.42042	1.25E+00	1.17E+02	3.28E+00	3.10E-01	1.22E+02	1.21E+00	4.93E-04	3.28E-01	6.07E-02	1.60E+00	1.36E+00	1.17E+02	3.28E+00	3.10E-01	1.22E+02
5514	491399.05	3860300.37	16.6585	10.943	29.831	5.40661	1.27E+00	1.17E+02	3.30E+00	3.09E-01	1.22E+02	1.23E+00	4.93E-04	3.30E-01	6.05E-02	1.62E+00	1.38E+00	1.17E+02	3.30E+00	3.09E-01	1.22E+02
5515	491228.84	3860235.98	17.5044	11.3877	30.965	6.72062	1.33E+00	1.22E+02	3.42E+00	3.84E-01	1.27E+02	1.30E+00	5.13E-04	3.42E-01	7.52E-02	1.71E+00	1.45E+00	1.22E+02	3.42E+00	3.84E-01	1.27E+02
5516	491228.47	3860174.57	17.4606	10.9221	30.498	7.29528	1.33E+00	1.17E+02	3.37E+00	4.17E-01	1.22E+02	1.29E+00	4.92E-04	3.37E-01	8.17E-02	1.71E+00	1.45E+00	1.17E+02	3.37E+00	4.17E-01	1.22E+02
5517	491145.77	3860112.55	17.9624	10.8691	31.253	7.98114	1.37E+00	1.16E+02	3.46E+00	4.56E-01	1.21E+02	1.33E+00	4.90E-04	3.46E-01	8.93E-02	1.77E+00	1.49E+00	1.16E+02	3.46E+00	4.56E-01	1.21E+02
5518	490844.41	3859966.22	19.9835	11.6109	35.071	8.74515	1.52E+00	1.24E+02	3.88E+00	5.00E-01	1.30E+02	1.48E+00	5.23E-04	3.88E-01	9.79E-02	1.97E+00	1.66E+00	1.24E+02	3.88E+00	5.00E-01	1.30E+02
5519	490845.55	3859928.15	20.0274	11.5268	34.756	8.03387	1.53E+00	1.23E+02	3.84E+00	4.59E-01	1.29E+02	1.48E+00	5.20E-04	3.84E-01	8.99E-02	1.96E+00	1.66E+00	1.23E+02	3.84E+00	4.59E-01	1.29E+02
5520	490046.91	3859625.6	23.767	14.5984	41.604	7.1544	1.81E+00	1.56E+02	4.60E+00	4.09E-01	1.63E+02	1.76E+00	6.58E-04	4.60E-01	8.01E-02	2.30E+00	1.97E+00	1.56E+02	4.60E+00	4.09E-01	1.63E+02
5521	489970.48	3859589.4	24.6648	14.8791	41.906	6.8684	1.88E+00	1.59E+02	4.63E+00	3.93E-01	1.66E+02	1.83E+00	6.71E-04	4.63E-01	7.69E-02	2.37E+00	2.05E+00	1.59E+02	4.63E+00	3.93E-01	1.66E+02
5522	489865.89	3859529.06	25.739	15.4279	42.563	6.63848	1.96E+00	1.65E+02	4.71E+00	3.80E-01	1.72E+02	1.91E+00	6.95E-04	4.71E-01	7.43E-02	2.45E+00	2.14E+00	1.65E+02	4.71E+00	3.80E-01	1.72E+02
5523	489826.89	3859531.74	26.0414	15.5778	41.605	6.75801	1.98E+00	1.66E+02	4.60E+00	3.86E-01	1.73E+02	1.93E+00	7.02E-04	4.60E-01	7.57E-02	2.46E+00	2.16E+00	1.66E+02	4.60E+00	3.86E-01	1.73E+02
5524	489410.47	3859303.06	27.635	18.6667	39.775	7.67816	2.11E+00	1.99E+02	4.40E+00	4.39E-01	2.06E+02	2.05E+00	8.41E-04	4.40E-01	8.60E-02	2.57E+00	2.29E+00	1.99E+02	4.40E+00	4.39E-01	2.06E+02
5525	489407.15	3859286.09	28.1284	18.66	40.888	7.73073	2.14E+00	1.99E+02	4.52E+00	4.42E-01	2.06E+02	2.08E+00	8.41E-04	4.52E-01	8.65E-02	2.62E+00	2.34E+00	1.99E+02	4.52E+00	4.42E-01	2.06E+02
5526	488806.07	3858963.62	35.697	24.6184	42.358	12.38246	2.72E+00	2.63E+02	4.68E+00	7.08E-01	2.71E+02	2.64E+00	1.11E-03	4.68E-01	1.39E-01	3.25E+00	2.96E+00	2.63E+02	4.68E+00	7.08E-01	2.71E+02
5527	488817.64	3859546.3	26.9765	39.6999	35.089	13.03958	2.06E+00	4.24E+02	3.88E+00	7.46E-01	4.30E+02	2.00E+00	1.79E-03	3.88E-01	1.46E-01	2.53E+00	2.24E+00	4.24E+02	3.88E+00	7.46E-01	4.31E+02
5528	489187.25	3859549.52	27.6963	27.1023	34.509	8.48736	2.11E+00	2.89E+02	3.82E+00	4.85E-01	2.96E+02	2.05E+00	1.22E-03	3.82E-01	9.50E-02	2.53E+00	2.30E+00	2.89E+02	3.82E+00	4.85E-01	2.96E+02
5529	489187.66	3859523.74	27.5371	26.706	34.726	8.86517	2.10E+00	2.85E+02	3.84E+00	5.07E-01	2.91E+02	2.04E+00	1.20E-03	3.84E-01	9.92E-02	2.52E+00	2.29E+00	2.85E+02	3.84E+00	5.07E-01	2.92E+02
5530	489232.59	3859522.85	27.2346	25.6478	34.715	8.32689	2.08E+00	2.74E+02	3.84E+00	4.76E-01	2.80E+02	2.02E+00	1.16E-03	3.84E-01	9.32E-02	2.49E+00	2.26E+00	2.74E+02	3.84E+00	4.76E-01	2.80E+02
5531	489224.98	3859759.91	25.9466	28.377	34.944	9.21803	1.98E+00	3.03E+02	3.86E+00	5.27E-01	3.09E+02	1.92E+00	1.28E-03	3.86E-01	1.03E-01	2.41E+00	2.15E+00	3.03E+02	3.86E+00	5.27E-01	3.09E+02
5532	488401.39	3859763.34	31.5136	38.9714	26.497	14.94212	2.40E+00	4.16E+02	2.93E+00	8.54E-01	4.22E+02	2.33E+00	1.76E-03	2.93E-01	1.67E-01	2.80E+00	2.62E+00	4.16E+02	2.93E+00	8.54E-01	4.22E+02
5533	488405.51	3859966.16	32.5335	39.1605	28.932	25.50562	2.48E+00	4.18E+02	3.20E+00	1.46E+00	4.25E+02	2.41E+00	1.77E-03	3.20E-01	2.86E-01	3.02E+00	2.70E+00	4.18E+02	3.20E+00	1.46E+00	4.25E+02
5534	489202.85	3859956.57	22.826	23.4191	32.936	20.83451	1.74E+00	2.50E+02	3.64E+00	1.19E+00	2.56E+02	1.69E+00	1.06E-03	3.64E-01	2.33E-01	2.29E+00	1.90E+00	2.50E+02	3.64E+00	1.19E+00	2.57E+02
5535	489191.9	3860676.74	17.8837	35.3779	28.31	17.35321	1.36E+00	3.78E+02	3.13E+00	9.92E-01	3.83E+02	1.32E+00	1.59E-03	3.13E-01	1.94E-01	1.83E+00	1.48E+00	3.78E+02	3.13E+00	9.92E-01	3.83E+02
5536	488392.82	3860687.88	23.066	43.2117	30.2	16.00149	1.76E+00	4.61E+02	3.34E+00	9.15E-01	4.67E+02	1.71E+00	1.95E-03	3.34E-01	1.79E-01	2.22E+00	1.91E+00	4.61E+02	3.34E+00	9.15E-01	4.67E+02
5537	488392.82	3860760.27	21.7921	40.1366	30.247	15.37529	1.66E+00	4.28E+02	3.34E+00	8.79E-01	4.34E+02	1.61E+00	1.81E-03	3.34E-01	1.72E-01	2.12E+00	1.81E+00	4.28E+02	3.34E+00	8.79E-01	4.34E+02
5538	487549.05	3860777.45	12.7475	19.3357	47.6	14.99466	9.72E-01	2.06E+02	5.26E+00	8.57E-01	2.13E+02	9.44E-01	8.72E-04	5.26E-01	1.68E-01	1.64E+00	1.06E+00	2.06E+02	5.26E+00	8.57E-01	2.14E+02
5539	487554.62	3859571.83	23.0396	35.3273	20.316	34.57664	1.76E+00	3.77E+02	2.25E+00	1.98E+00	3.83E+02	1.71E+00	1.59E-03	2.25E-01	3.87E-01	2.32E+00	1.91E+00	3.77E+02	2.25E+00	1.98E+00	3.83E+02
5540	485949.46	3859558.54	10.8025	16.6497	32.86	20.36102	8.23E-01	1.78E+02	3.63E+00	1.16E+00	1.83E+02	8.00E-01	7.51E-04	3.63E-01	2.28E-01	1.39E+00	8.97E-01	1.78E+02	3.63E+00	1.16E+00	1.83E+02
5541	485947.55	3857943.61	17.8771	32.0181	61.066	8.12777	1.36E+00	3.42E+02	6.75E+00	4.65E-01	3.50E+02	1.32E+00	1.44E-03	6.75E-01	9.10E-02	2.09E+00	1.48E+00	3.42E+02	6.75E+00	4.65E-01	3.50E+02
5542	484738.38	3857940.21	11.9323	27.037	46.869	9.9963	9.09E-01	2.89E+02	5.18E+00	5.72E-01	2.95E+02	8.83E-01	1.22E-03	5.18E-01	1.12E-01	1.51E+00	9.91E-01	2.89E+02	5.18E+00	5.72E-01	2.95E+02
5543	484737.06	3857535.68	13.594	31.1136	35.039	12.88652	1.04E+00	3.32E+02	3.87E+00	7.37E-01	3.38E+02	1.01E+00	1.40E-03	3.87E-01	1.44E-01	1.54E+00	1.13E+00	3.32E+02	3.87E+00	7.37E-01	3.38E+02
5544	483730.2	3857530.13	12.2789	12.4525	35.125	21.33266	9.36E-01	1.33E+02	3.88E+00	1.22E+00	1.39E+02	9.09E-01	5.61E-04	3.88E-01	2.39E-01	1.54E+00	1.02E+00	1.33E+02	3.88E+00	1.22E+00	1.39E+02
5545	483727.27	3857130.01	14.9197	20.7175	30.725	24.38178	1.14E+00	2.21E+02	3.40E+00	1.39E+00	2.27E+02	1.10E+00	9.34E-04	3.40E-01	2.73E-01	1.72E+00	1.24E+00	2.21E+02	3.40E+00	1.39E+00	2.27E+02
5546	483124.42	3857123.45	13.8273	14.3359	28.113	11.94963	1.05E+00	1.53E+02	3.11E+00	6.83E-01	1.58E+02	1.02E+00	6.46E-04	3.11E-01	1.34E-01	1.47E+00	1.15E+00	1.53E+02	3.11E+00	6.83E-01	1.58E+02
5547	483111.13	3855921.03	19.0056	37.9669	33.497	13.21589	1.45E+00	4.05E+02	3.70E+00	7.56E-01	4.11E+02	1.41E+00	1.71E-03	3.70E-01	1.48E-01	1.93E+00	1.58E+00	4.05E+02	3.70E+00	7.56E-01	4.11E+02

5548	482701.73	3855918.24	17.484	30.2084	30.807	9.9977	1.33E+00	3.22E+02	3.41E+00	5.72E-01	3.28E+02	1.29E+00	1.36E-03	3.41E-01	1.12E-01	1.75E+00	1.45E+00	3.22E+02	3.41E+00	5.72E-01	3.28E+02
5549	482668.02	3853521.78	47.9634	10.2939	23.02	8.6345	3.66E+00	1.10E+02	2.55E+00	4.94E-01	1.17E+02	3.55E+00	4.64E-04	2.55E-01	9.67E-02	3.90E+00	3.98E+00	1.10E+02	2.55E+00	4.94E-01	1.17E+02
5550	482579.91	3853219.19	40.5842	9.43245	21.227	6.75428	3.09E+00	1.01E+02	2.35E+00	3.86E-01	1.06E+02	3.00E+00	4.25E-04	2.35E-01	7.56E-02	3.32E+00	3.37E+00	1.01E+02	2.35E+00	3.86E-01	1.07E+02
5551	482434.06	3852961.94	38.5738	9.25272	19.553	5.75096	2.94E+00	9.87E+01	2.16E+00	3.29E-01	1.04E+02	2.86E+00	4.17E-04	2.16E-01	6.44E-02	3.14E+00	3.20E+00	9.87E+01	2.16E+00	3.29E-01	1.04E+02
5552	482332.11	3852832.85	37.1125	9.09273	18.874	5.40036	2.83E+00	9.70E+01	2.09E+00	3.09E-01	1.02E+02	2.75E+00	4.10E-04	2.09E-01	6.05E-02	3.02E+00	3.08E+00	9.70E+01	2.09E+00	3.09E-01	1.03E+02
5553	481334.99	3851818.96	26.8201	7.1541	15.386	3.23424	2.04E+00	7.63E+01	1.70E+00	1.85E-01	8.03E+01	1.99E+00	3.22E-04	1.70E-01	3.62E-02	2.19E+00	2.23E+00	7.63E+01	1.70E+00	1.85E-01	8.05E+01
5554	481127.62	3851646.36	25.5521	6.77985	15.116	3.29811	1.95E+00	7.24E+01	1.67E+00	1.89E-01	7.62E+01	1.89E+00	3.06E-04	1.67E-01	3.69E-02	2.10E+00	2.12E+00	7.24E+01	1.67E+00	1.89E-01	7.63E+01
5555	481025.04	3851591.73	24.9463	7.07292	15.245	3.34267	1.90E+00	7.55E+01	1.69E+00	1.91E-01	7.93E+01	1.85E+00	3.19E-04	1.69E-01	3.74E-02	2.05E+00	2.07E+00	7.55E+01	1.69E+00	1.91E-01	7.94E+01
5556	480513.6	3851335.76	20.8427	7.78261	15.791	3.65073	1.59E+00	8.31E+01	1.75E+00	2.09E-01	8.66E+01	1.54E+00	3.51E-04	1.75E-01	4.09E-02	1.76E+00	1.73E+00	8.31E+01	1.75E+00	2.09E-01	8.67E+01
5557	480523.56	3851317.66	21.1516	7.82847	15.629	3.68246	1.61E+00	8.35E+01	1.73E+00	2.11E-01	8.71E+01	1.57E+00	3.53E-04	1.73E-01	4.12E-02	1.78E+00	1.76E+00	8.35E+01	1.73E+00	2.11E-01	8.72E+01
5558	476921.56	3849569.11	12.7543	7.9518	12.377	4.7515	9.72E-01	8.49E+01	1.37E+00	2.72E-01	8.75E+01	9.44E-01	3.58E-04	1.37E-01	5.32E-02	1.13E+00	1.06E+00	8.49E+01	1.37E+00	2.72E-01	8.76E+01
5559	476521.19	3849373.96	12.6903	7.20053	11.662	4.92987	9.67E-01	7.68E+01	1.29E+00	2.82E-01	7.94E+01	9.40E-01	3.25E-04	1.29E-01	5.52E-02	1.12E+00	1.05E+00	7.68E+01	1.29E+00	2.82E-01	7.95E+01
5560	476391.45	3849333.38	12.5435	7.84014	11.355	5.02168	9.56E-01	8.37E+01	1.26E+00	2.87E-01	8.62E+01	9.29E-01	3.53E-04	1.26E-01	5.62E-02	1.11E+00	1.04E+00	8.37E+01	1.26E+00	2.87E-01	8.63E+01
5561	476219.41	3849304.29	13.5897	8.83469	10.849	5.16862	1.04E+00	9.43E+01	1.20E+00	2.96E-01	9.68E+01	1.01E+00	3.98E-04	1.20E-01	5.79E-02	1.18E+00	1.13E+00	9.43E+01	1.20E+00	2.96E-01	9.69E+01
5562	475679.11	3849218.47	12.4708	9.13383	9.1543	5.40969	9.51E-01	9.75E+01	1.01E+00	3.09E-01	9.97E+01	9.23E-01	4.12E-04	1.01E-01	6.06E-02	1.09E+00	1.04E+00	9.75E+01	1.01E+00	3.09E-01	9.98E+01
5563	475677.71	3849233.88	12.178	9.15246	9.0836	5.42309	9.28E-01	9.77E+01	1.00E+00	3.10E-01	9.99E+01	9.02E-01	4.13E-04	1.00E-01	6.07E-02	1.06E+00	1.01E+00	9.77E+01	1.00E+00	3.10E-01	1.00E+02
5564	475492.74	3849204.66	11.966	6.65955	8.4743	5.41316	9.12E-01	7.11E+01	9.37E-01	3.10E-01	7.32E+01	8.86E-01	3.00E-04	9.37E-02	6.06E-02	1.04E+00	9.93E-01	7.11E+01	9.37E-01	3.10E-01	7.33E+01
5565	475497.64	3849158.75	11.3273	7.52682	8.7017	5.39067	8.63E-01	8.03E+01	9.62E-01	3.08E-01	8.25E+01	8.39E-01	3.39E-04	9.62E-02	6.03E-02	9.95E-01	9.40E-01	8.03E+01	9.62E-01	3.08E-01	8.25E+01
5566	475391.35	3849141.94	12.3912	7.67021	8.3822	5.38372	9.44E-01	8.19E+01	9.27E-01	3.08E-01	8.40E+01	9.17E-01	3.46E-04	9.27E-02	6.03E-02	1.07E+00	1.03E+00	8.19E+01	9.27E-01	3.08E-01	8.41E+01
5567	475277	3849095.47	12.6653	7.43112	8.1588	5.35306	9.65E-01	7.93E+01	9.02E-01	3.06E-01	8.15E+01	9.38E-01	3.35E-04	9.02E-02	5.99E-02	1.09E+00	1.05E+00	7.93E+01	9.02E-01	3.06E-01	8.16E+01
5568	475183.93	3849025.66	12.4414	7.26329	8.113	5.3157	9.48E-01	7.75E+01	8.97E-01	3.04E-01	7.97E+01	9.21E-01	3.27E-04	8.97E-02	5.95E-02	1.07E+00	1.03E+00	7.75E+01	8.97E-01	3.04E-01	7.97E+01
5569	474453.23	3848378.77	10.9961	6.84269	8.1603	5.01419	8.38E-01	7.30E+01	9.02E-01	2.87E-01	7.51E+01	8.14E-01	3.08E-04	9.02E-02	5.61E-02	9.61E-01	9.13E-01	7.30E+01	9.02E-01	2.87E-01	7.51E+01
5570	474569.63	3848399.34	11.9072	7.14896	8.4691	5.02248	9.08E-01	7.63E+01	9.36E-01	2.87E-01	7.84E+01	8.82E-01	3.22E-04	9.36E-02	5.62E-02	1.03E+00	9.89E-01	7.63E+01	9.36E-01	2.87E-01	7.85E+01
5571	474644.33	3848464.52	11.8463	7.25535	8.4742	5.05278	9.03E-01	7.74E+01	9.37E-01	2.89E-01	7.96E+01	8.77E-01	3.27E-04	9.37E-02	5.66E-02	1.03E+00	9.83E-01	7.74E+01	9.37E-01	2.89E-01	7.96E+01
5572	474719.04	3848529.7	11.768	7.31843	8.4783	5.0832	8.97E-01	7.81E+01	9.37E-01	2.91E-01	8.02E+01	8.71E-01	3.30E-04	9.37E-02	5.69E-02	1.02E+00	9.77E-01	7.81E+01	9.37E-01	2.91E-01	8.03E+01
5573	474793.74	3848594.88	11.6672	7.26356	8.4799	5.11341	8.89E-01	7.75E+01	9.38E-01	2.92E-01	7.96E+01	8.64E-01	3.27E-04	9.38E-02	5.72E-02	1.02E+00	9.69E-01	7.75E+01	9.38E-01	2.92E-01	7.97E+01
5574	474868.45	3848660.07	11.5078	7.11578	8.4796	5.14355	8.77E-01	7.59E+01	9.38E-01	2.94E-01	7.80E+01	8.52E-01	3.21E-04	9.38E-02	5.76E-02	1.00E+00	9.55E-01	7.59E+01	9.38E-01	2.94E-01	7.81E+01
5575	474943.15	3848725.25	11.3467	7.0772	8.4807	5.17452	8.65E-01	7.55E+01	9.38E-01	2.96E-01	7.76E+01	8.40E-01	3.19E-04	9.38E-02	5.79E-02	9.92E-01	9.42E-01	7.55E+01	9.38E-01	2.96E-01	7.77E+01
5576	475017.86	3848790.43	11.2373	7.20052	8.4838	5.20652	8.57E-01	7.68E+01	9.38E-01	2.98E-01	7.89E+01	8.32E-01	3.25E-04	9.38E-02	5.83E-02	9.84E-01	9.33E-01	7.68E+01	9.38E-01	2.98E-01	7.90E+01
5577	475092.56	3848855.61	11.1315	7.39182	8.4876	5.23918	8.48E-01	7.89E+01	9.38E-01	3.00E-01	8.10E+01	8.24E-01	3.33E-04	9.38E-02	5.86E-02	9.77E-01	9.24E-01	7.89E+01	9.38E-01	3.00E-01	8.10E+01
5578	475232.58	3848959.38	11.1986	7.71012	8.5686	5.29125	8.54E-01	8.23E+01	9.47E-01	3.03E-01	8.44E+01	8.29E-01	3.48E-04	9.47E-02	5.92E-02	9.83E-01	9.30E-01	8.23E+01	9.47E-01	3.03E-01	8.45E+01
5579	475368.47	3849029.98	11.7757	7.91164	8.7724	5.32306	8.98E-01	8.44E+01	9.70E-01	3.04E-01	8.66E+01	8.72E-01	3.57E-04	9.70E-02	5.96E-02	1.03E+00	9.78E-01	8.44E+01	9.70E-01	3.04E-01	8.67E+01
5580	475609.57	3849096.09	13.5746	8.1862	9.3925	5.31526	1.03E+00	8.74E+01	1.04E+00	3.04E-01	8.97E+01	1.00E+00	3.69E-04	1.04E-01	5.95E-02	1.17E+00	1.13E+00	8.74E+01	1.04E+00	3.04E-01	8.98E+01
5581	475680.68	3849116.62	13.966	8.59737	9.5786	5.30709	1.06E+00	9.17E+01	1.06E+00	3.03E-01	9.42E+01	1.03E+00	3.88E-04	1.06E-01	5.94E-02	1.20E+00	1.16E+00	9.17E+01	1.06E+00	3.03E-01	9.43E+01
5582	475843.76	3849151.52	14.4044	8.84142	10.049	5.25546	1.10E+00	9.44E+01	1.11E+00	3.01E-01	9.69E+01	1.07E+00	3.99E-04	1.11E-01	5.88E-02	1.24E+00	1.20E+00	9.44E+01	1.11E+00	3.01E-01	9.70E+01
5583	475935.73	3849165.89	14.0893	8.96971	10.337	5.20803	1.07E+00	9.57E+01	1.14E+00	2.98E-01	9.82E+01	1.04E+00	4.04E-04	1.14E-01	5.83E-02	1.22E+00	1.17E+00	9.57E+01	1.14E+00	2.98E-01	9.83E+01
5584	476027.71	3849180.27	13.5676	8.87043	10.62	5.15015	1.03E+00	9.47E+01	1.17E+00	2.95E-01	9.72E+01	1.00E+00	4.00E-04	1.17E-01	5.77E-02	1.18E+00	1.13E+00	9.47E+01	1.17E+00	2.95E-01	9.73E+01
5585	476119.68	3849194.64	13.3756	8.19307	10.888	5.07881	1.02E+00	8.74E+01	1.20E+00	2.90E-01	8.99E+01	9.90E-01	3.69E-04	1.20E-01	5.69E-02	1.17E+00	1.11E+00	8.74E+01	1.20E+00	2.90E-01	9.00E+01
5586	476211.65	3849209.01	12.7697	7.64267	11.156	4.99958	9.73E-01	8.16E+01	1.23E+00	2.86E-01	8.41E+01	9.45E-01	3.45E-04	1.23E-01	5.60E-02	1.13E+00	1.06E+00	8.16E+01	1.23E+00	2.86E-01	8.41E+01
5587	476497.81	3849283.9	12.782	6.6423	11.86	4.76452	9.74E-01	7.09E+01	1.31E+00	2.72E-01	7.34E+01	9.46E-01	2.99E-04	1.31E-01	5.33E-02	1.13E+00	1.06E+00	7.09E+01	1.31E+00	2.72E-01	7.35E+01
5588	476603.73	3849323.77	13.2637	6.88628	12.075	4.69039	1.01E+00	7.35E+01	1.34E+00	2.68E-01	7.61E+01	9.82E-01	3.10E-04	1.34E-01	5.25E-02	1.17E+00	1.10E+00	7.35E+01	1.34E+00	2.68E-01	7.62E+01
5589	476728.99	3849382.76	13.7102	6.99711	12.293	4.62327	1.05E+00	7.47E+01	1.36E+00	2.64E-01	7.73E+01	1.02E+00	3.15E-04	1.36E-01	5.18E-02	1.20E+00	1.14E+00	7.47E+01	1.36E+00	2.64E-01	7.74E+01
5590	476801.27	3849418.65	13.8589	7.10674	12.413	4.58661	1.06E+00	7.58E+01	1.37E+00	2.62E-01	7.85E+01	1.03E+00	3.20E-04	1.37E-01	5.13E-02	1.21E+00	1.15E+00	7.58E+01	1.37E+00	2.62E-01	7.86E+01
5591	476956.2	3849495.05	14.0413	7.63095	12.671	4.50076	1.07E+00	8.14E+01	1.40E+00	2.57E-01	8.42E+01	1.04E+00	3.44E-04	1.40E-01	5.04E-02	1.23E+00	1.17E+00	8.14E+01	1.40E+00	2.57E-01	8.43E+01
5592	477038.84	3849535.56	14.2799	7.65497	12.805	4.44993	1.09E+00	8.17E+01	1.42E+00	2.54E-01	8.45E+01	1.06E+00	3.45E-04	1.42E-01	4.98E-02	1.25E+00	1.19E+00	8.17E+01	1.42E+00	2.54E-01	8.45E+01
5593	477121.49	3849576.08	14.2942	7.80501	12.941	4.39776	1.09E+00	8.33E+01	1.43E+00	2.51E-01	8.61E+01	1.06E+00	3.52E-04	1.43E-01	4.92E-02	1.25E+00	1.19E+00	8.33E+01	1.43E+00	2.51E-01	8.62E+01
5594	477204.13	3849616.6	14.4107	7.70344	13.073	4.34249	1.10E+00	8.22E+01	1.45E+00	2.48E-01	8.50E+01	1.07E+00	3.47E-04	1.45E-01	4.86E-02	1.26E+00	1.20E+00	8.22E+01	1.45E+00	2.48E-01	8.51E+01
5595	477286.78	3849657.12	14.9148	7.30029	13.2	4.2824	1.14E+00	7.79E+01	1.46E+00	2.45E-01	8.07E+01	1.10E+00	3.29E-04	1.46E-01	4.79E-02	1.30E+00	1.24E+00	7.79E+01	1.46E+00	2.45E-01	8.08E+01
5596	477369.42	3849697.63	14.2928	8.05334	13.336	4.22644	1.09E+00	8.59E+01	1.47E+00	2.42E-01	8.87E+01	1.06E+00	3.63E-04	1.47E-01	4.73E-02	1.25E+00	1.19E+00	8.59E+01	1.47E+00	2.42E-01	8.88E+01
5597	477452.07	3849738.15	14.3017	8.17861	13.464	4.1644	1.09E+00	8.73E+01	1.49E+00	2.38E-01	9.01E+01	1.06E+00	3.69E-04	1.49E-01	4.66E-02	1.25E+00	1.19E+00	8.73E+01	1.49E+00	2.38E-01	9.02E+01
5598	477534.71	3849778.67	13.7373	8.63477	13.594	4.10332	1.05E+00	9.21E+01	1.50E+00	2.35E-01	9.49E+01	1.02E+00	3.89E-04	1.50E-01	4.59E-02	1.21E+00	1.14E+00	9.21E+01	1.50E+00	2.35E-01	9.50E+01
5599	477617.36	3849819.18	13.6249	8.65685	13.718	4.03747	1.04E+00	9.24E+01	1.52E+00	2.31E-01	9.52E+01	1.01E+00	3.90E-04	1.52E-01	4.52E-02	1.21E+00	1.13E+00	9.24E+01	1.52E+00	2.31E-01	9.53E+01
5600	477824.74	3849896.37	13.7151	8.64278	14.044	3.79488	1.05E+00	9.22E+01	1.55E+00	2.17E-01	9.50E+01	1.02E+00	3.90E-04	1.55E-01	4.25E-02	1.21E+00	1.14E+00	9.22E+01	1.55E+00	2.17E-01	9.51E+01
5601	477906.31	3849936.37	14.6025	8.28624	14.148	3.71959	1.11E+00	8.84E+01	1.56E+00	2.13E-01	9.13E+01	1.08E+00	3.74E-04	1.56E-01	4.16E-02	1.28E+00	1.21E+00	8.84E+01	1.56E+00	2.13E-01	9.14E+01
5602	477987.89	3849976.36	14.3714	8.68714	14.257	3.64817	1.10E+00	9.27E+01	1.58E+00	2.09E-01	9.56E+01	1.06E+00	3.92E-04	1.58E-01	4.08E-02	1.26E+00	1.19E+00	9.27E+01	1.58E+00	2.09E-01	9.57E+01
5603	478069.47	3850016.36	14.7442	8.69085	14.358	3.57158	1.12E+00	9.27E+01	1.59E+00	2.04E-01	9.57E+01	1.09E+00	3.92E-04	1.59E-01	4.00E-02	1.29E+00	1.22E+00	9.27E+01	1.59E+00	2.04E-01	9.58E+01
5604	478151.04	3850056.35	14.9152	8.66026	14.456	3.49404	1.14E+00	9.24E+01	1.60E+00	2.00E-01	9.54E+01	1.10E+00	3.90E-04	1.60E-01	3.91E-02	1.30E+00	1.24E+00	9.24E+01	1.60E+00	2.00E-01	9.55E+01
5605	478232.62	3850096.35	14.6591	8.84337	14.553	3.41777	1.12E+00	9.44E+01	1.61E+00	1.95E-01	9.73E+01	1.09E+00	3.99E-04	1.61E-01	3.83E-02	1.28E+00	1.22E+00	9.44E+01	1.61E+00	1.95E-01	9.74E+01
5606	478314.2	3850136.34	15.5088	9.01844	14.648	3.34078	1.18E+00	9.62E+01	1.62E+00	1.91E-01	9.92E+01	1.15E+00	4.07E-04	1.62E-01	3.74E-02	1.35E+00	1.29E+00	9.62E+01	1.62E+00	1.91E-01	9.93E+01
5607	478395.77	3850176.34	16.3898	9.15843	14.738	3.26303	1.25E+00	9.77E+01	1.63E+00	1.87E-01	1.01E+02	1.21E+00	4.13E-04	1.63E-01	3.65E-02	1.41E+00	1.36E+00	9.77E+01	1.63E+00	1.87E-01	1.01E+02
5608	478575.43	3850244.45	18.45	9.27011	14.9	3.49186	1.41E+00	9.89E+01	1.65E+00	2.00E-01	1.02E+02	1.37E+00	4.18E-04	1.65E-01	3.91E-02	1.57E+00	1.53E+00	9.89E+01	1.65E+00	2.00E-01	1.02E+02

5609	478665.06	3850287.29	19.0337	9.27268	14.977	3.73962	1.45E+00	9.90E+01	1.66E+00	2.14E-01	1.02E+02	1.41E+00	4.18E-04	1.66E-01	4.19E-02	1.62E+00	1.58E+00	9.90E+01	1.66E+00	2.14E-01	1.02E+02
5610	478754.69	3850330.14	19.3834	9.2535	15.048	3.93115	1.48E+00	9.88E+01	1.66E+00	2.25E-01	1.02E+02	1.44E+00	4.17E-04	1.66E-01	4.40E-02	1.65E+00	1.61E+00	9.88E+01	1.66E+00	2.25E-01	1.02E+02
5611	478844.32	3850372.99	19.3687	9.23154	15.112	4.0141	1.48E+00	9.85E+01	1.67E+00	2.30E-01	1.02E+02	1.43E+00	4.16E-04	1.67E-01	4.49E-02	1.65E+00	1.61E+00	9.85E+01	1.67E+00	2.30E-01	1.02E+02
5612	478933.95	3850415.84	17.4422	9.2003	15.171	3.98214	1.33E+00	9.82E+01	1.68E+00	2.28E-01	1.01E+02	1.29E+00	4.15E-04	1.68E-01	4.46E-02	1.50E+00	1.45E+00	9.82E+01	1.68E+00	2.28E-01	1.02E+02
5613	479023.58	3850458.68	19.4237	8.97833	15.217	4.341	1.48E+00	9.58E+01	1.68E+00	2.48E-01	9.92E+01	1.44E+00	4.05E-04	1.68E-01	4.86E-02	1.66E+00	1.61E+00	9.58E+01	1.68E+00	2.48E-01	9.94E+01
5614	479110.66	3850441.91	17.5901	8.56218	15.081	4.5853	1.34E+00	9.14E+01	1.67E+00	2.62E-01	9.46E+01	1.30E+00	3.86E-04	1.67E-01	5.13E-02	1.52E+00	1.46E+00	9.14E+01	1.67E+00	2.62E-01	9.48E+01
5615	479191.22	3850423.99	17.7329	8.34655	14.885	4.95454	1.35E+00	8.91E+01	1.65E+00	2.83E-01	9.24E+01	1.31E+00	3.76E-04	1.65E-01	5.55E-02	1.53E+00	1.47E+00	8.91E+01	1.65E+00	2.83E-01	9.25E+01
5616	479274.32	3850465.71	17.9987	8.26481	14.885	5.10546	1.37E+00	8.82E+01	1.65E+00	2.92E-01	9.15E+01	1.33E+00	3.73E-04	1.65E-01	5.72E-02	1.55E+00	1.49E+00	8.82E+01	1.65E+00	2.92E-01	9.16E+01
5617	479357.43	3850507.42	18.1909	8.03289	14.874	5.54847	1.39E+00	8.57E+01	1.64E+00	3.17E-01	8.91E+01	1.35E+00	3.62E-04	1.64E-01	6.21E-02	1.57E+00	1.51E+00	8.57E+01	1.64E+00	3.17E-01	8.92E+01
5618	479440.53	3850549.14	20.6149	7.75431	14.855	6.0882	1.57E+00	8.28E+01	1.64E+00	3.48E-01	8.63E+01	1.53E+00	3.50E-04	1.64E-01	6.82E-02	1.76E+00	1.71E+00	8.28E+01	1.64E+00	3.48E-01	8.65E+01
5619	479523.64	3850590.85	20.9758	7.55132	14.83	6.41793	1.60E+00	8.06E+01	1.64E+00	3.67E-01	8.42E+01	1.55E+00	3.40E-04	1.64E-01	7.18E-02	1.79E+00	1.74E+00	8.06E+01	1.64E+00	3.67E-01	8.43E+01
5620	479606.74	3850632.57	20.8845	7.42041	14.8	6.50915	1.59E+00	7.92E+01	1.64E+00	3.72E-01	8.28E+01	1.55E+00	3.35E-04	1.64E-01	7.29E-02	1.78E+00	1.73E+00	7.92E+01	1.64E+00	3.72E-01	8.29E+01
5621	479777.37	3850707.61	20.1973	7.00065	14.652	6.70285	1.54E+00	7.47E+01	1.62E+00	3.83E-01	7.83E+01	1.50E+00	3.16E-04	1.62E-01	7.50E-02	1.73E+00	1.68E+00	7.47E+01	1.62E+00	3.83E-01	7.84E+01
5622	479864.9	3850740.95	20.1381	6.8087	14.529	6.51598	1.53E+00	7.27E+01	1.61E+00	3.73E-01	7.62E+01	1.49E+00	3.07E-04	1.61E-01	7.29E-02	1.72E+00	1.67E+00	7.27E+01	1.61E+00	3.73E-01	7.63E+01
5623	479931.87	3850829.57	19.8766	7.05777	14.815	6.13419	1.52E+00	7.53E+01	1.64E+00	3.51E-01	7.88E+01	1.47E+00	3.18E-04	1.64E-01	6.87E-02	1.70E+00	1.65E+00	7.53E+01	1.64E+00	3.51E-01	7.90E+01
5624	479995.55	3850926.75	19.2862	7.53679	15.168	5.33122	1.47E+00	8.04E+01	1.68E+00	3.05E-01	8.39E+01	1.43E+00	3.40E-04	1.68E-01	5.97E-02	1.66E+00	1.60E+00	8.04E+01	1.68E+00	3.05E-01	8.40E+01
5625	480079.78	3850968.64	19.039	7.45526	15.12	4.94146	1.45E+00	7.96E+01	1.67E+00	2.83E-01	8.30E+01	1.41E+00	3.36E-04	1.67E-01	5.53E-02	1.63E+00	1.58E+00	7.96E+01	1.67E+00	2.83E-01	8.31E+01
5626	480164.01	3851010.54	19.2226	7.31899	15.064	4.61105	1.47E+00	7.81E+01	1.67E+00	2.64E-01	8.15E+01	1.42E+00	3.30E-04	1.67E-01	5.16E-02	1.64E+00	1.60E+00	7.81E+01	1.67E+00	2.64E-01	8.16E+01
5627	480248.23	3851052.43	19.8783	7.30753	14.998	4.31086	1.52E+00	7.80E+01	1.66E+00	2.47E-01	8.14E+01	1.47E+00	3.29E-04	1.66E-01	4.83E-02	1.69E+00	1.65E+00	7.80E+01	1.66E+00	2.47E-01	8.15E+01
5628	480332.46	3851094.33	20.4103	7.21347	14.921	4.18637	1.56E+00	7.70E+01	1.65E+00	2.39E-01	8.04E+01	1.51E+00	3.25E-04	1.65E-01	4.69E-02	1.72E+00	1.69E+00	7.70E+01	1.65E+00	2.39E-01	8.06E+01
5629	480416.69	3851136.22	20.8085	7.32334	14.829	4.26371	1.59E+00	7.82E+01	1.64E+00	2.44E-01	8.16E+01	1.54E+00	3.30E-04	1.64E-01	4.77E-02	1.75E+00	1.73E+00	7.82E+01	1.64E+00	2.44E-01	8.18E+01
5630	480579.95	3851215.17	22.0651	7.32266	14.611	4.23473	1.68E+00	7.81E+01	1.62E+00	2.42E-01	8.17E+01	1.63E+00	3.30E-04	1.62E-01	4.74E-02	1.84E+00	1.83E+00	7.81E+01	1.62E+00	2.42E-01	8.18E+01
5631	480658.98	3851252.22	22.7428	7.11661	14.483	4.15862	1.73E+00	7.59E+01	1.60E+00	2.38E-01	7.95E+01	1.68E+00	3.21E-04	1.60E-01	4.66E-02	1.89E+00	1.89E+00	7.59E+01	1.60E+00	2.38E-01	7.97E+01
5632	480817.36	3851327.85	23.5295	6.58469	14.21	4.03603	1.79E+00	7.03E+01	1.57E+00	2.31E-01	7.39E+01	1.74E+00	2.97E-04	1.57E-01	4.52E-02	1.94E+00	1.95E+00	7.03E+01	1.57E+00	2.31E-01	7.40E+01
5633	480896.72	3851366.43	23.6232	6.39123	14.063	4.01955	1.80E+00	6.82E+01	1.55E+00	2.30E-01	7.18E+01	1.75E+00	2.88E-04	1.55E-01	4.50E-02	1.95E+00	1.96E+00	6.82E+01	1.55E+00	2.30E-01	7.20E+01
5634	480976.07	3851405	24.0444	6.48998	13.908	3.96683	1.83E+00	6.93E+01	1.54E+00	2.27E-01	7.29E+01	1.78E+00	2.93E-04	1.54E-01	4.44E-02	1.98E+00	2.00E+00	6.93E+01	1.54E+00	2.27E-01	7.30E+01
5635	481178	3851487.31	24.7913	6.94566	13.324	3.83629	1.89E+00	7.41E+01	1.47E+00	2.19E-01	7.77E+01	1.84E+00	3.13E-04	1.47E-01	4.29E-02	2.03E+00	2.06E+00	7.41E+01	1.47E+00	2.19E-01	7.79E+01
5636	481244.9	3851557.17	25.2713	7.06282	13.521	3.70802	1.93E+00	7.54E+01	1.49E+00	2.12E-01	7.90E+01	1.87E+00	3.18E-04	1.49E-01	4.15E-02	2.06E+00	2.10E+00	7.54E+01	1.49E+00	2.12E-01	7.92E+01
5637	481311.81	3851627.03	25.7821	7.15414	13.719	3.64916	1.97E+00	7.63E+01	1.52E+00	2.09E-01	8.00E+01	1.91E+00	3.22E-04	1.52E-01	4.08E-02	2.10E+00	2.14E+00	7.63E+01	1.52E+00	2.09E-01	8.02E+01
5638	481378.71	3851696.89	26.3187	7.23386	13.92	3.61972	2.01E+00	7.72E+01	1.54E+00	2.07E-01	8.09E+01	1.95E+00	3.26E-04	1.54E-01	4.05E-02	2.14E+00	2.19E+00	7.72E+01	1.54E+00	2.07E-01	8.11E+01
5639	481445.61	3851766.76	26.8652	7.32159	14.126	3.56559	2.05E+00	7.81E+01	1.56E+00	2.04E-01	8.19E+01	1.99E+00	3.30E-04	1.56E-01	3.99E-02	2.19E+00	2.23E+00	7.81E+01	1.56E+00	2.04E-01	8.21E+01
5640	481512.51	3851836.62	27.4517	7.38531	14.333	3.57482	2.09E+00	7.88E+01	1.58E+00	2.04E-01	8.27E+01	2.03E+00	3.33E-04	1.58E-01	4.00E-02	2.23E+00	2.28E+00	7.88E+01	1.58E+00	2.04E-01	8.29E+01
5641	481579.42	3851906.48	28.0625	7.44478	14.545	3.59083	2.14E+00	7.94E+01	1.61E+00	2.05E-01	8.34E+01	2.08E+00	3.36E-04	1.61E-01	4.02E-02	2.28E+00	2.33E+00	7.94E+01	1.61E+00	2.05E-01	8.36E+01
5642	481646.32	3851976.34	28.6886	7.5113	14.763	3.58186	2.19E+00	8.02E+01	1.63E+00	2.05E-01	8.42E+01	2.12E+00	3.39E-04	1.63E-01	4.01E-02	2.33E+00	2.38E+00	8.02E+01	1.63E+00	2.05E-01	8.44E+01
5643	481713.22	3852046.2	29.3978	7.50456	14.978	3.75482	2.24E+00	8.01E+01	1.66E+00	2.15E-01	8.42E+01	2.18E+00	3.38E-04	1.66E-01	4.20E-02	2.38E+00	2.44E+00	8.01E+01	1.66E+00	2.15E-01	8.44E+01
5644	481780.12	3852116.06	30.0431	7.60356	15.208	3.71537	2.29E+00	8.11E+01	1.68E+00	2.12E-01	8.53E+01	2.22E+00	3.43E-04	1.68E-01	4.16E-02	2.43E+00	2.49E+00	8.11E+01	1.68E+00	2.12E-01	8.55E+01
5645	481847.03	3852185.92	30.6649	7.74146	15.446	3.91282	2.34E+00	8.26E+01	1.71E+00	2.24E-01	8.69E+01	2.27E+00	3.49E-04	1.71E-01	4.38E-02	2.49E+00	2.55E+00	8.26E+01	1.71E+00	2.24E-01	8.71E+01
5646	481913.93	3852255.78	31.2761	7.88347	15.692	4.11815	2.38E+00	8.41E+01	1.73E+00	2.35E-01	8.85E+01	2.32E+00	3.55E-04	1.73E-01	4.61E-02	2.54E+00	2.60E+00	8.41E+01	1.73E+00	2.35E-01	8.87E+01
5647	481980.83	3852325.65	31.8317	8.03512	15.947	4.33132	2.43E+00	8.57E+01	1.76E+00	2.48E-01	9.02E+01	2.36E+00	3.62E-04	1.76E-01	4.85E-02	2.58E+00	2.64E+00	8.57E+01	1.76E+00	2.48E-01	9.04E+01
5648	482047.73	3852395.51	32.5245	8.12087	16.198	4.54776	2.48E+00	8.67E+01	1.79E+00	2.60E-01	9.12E+01	2.41E+00	3.66E-04	1.79E-01	5.09E-02	2.64E+00	2.70E+00	8.67E+01	1.79E+00	2.60E-01	9.14E+01
5649	482114.64	3852465.37	33.1267	8.22925	16.461	4.77044	2.52E+00	8.78E+01	1.82E+00	2.73E-01	9.24E+01	2.45E+00	3.71E-04	1.82E-01	5.34E-02	2.69E+00	2.75E+00	8.78E+01	1.82E+00	2.73E-01	9.27E+01
5650	482181.54	3852535.23	33.9713	8.27711	16.717	4.99224	2.59E+00	8.83E+01	1.85E+00	2.85E-01	9.31E+01	2.52E+00	3.73E-04	1.85E-01	5.59E-02	2.76E+00	2.82E+00	8.83E+01	1.85E+00	2.85E-01	9.33E+01
5651	482338.69	3852700.05	35.8979	8.71034	17.359	5.51411	2.74E+00	9.30E+01	1.92E+00	3.15E-01	9.79E+01	2.66E+00	3.93E-04	1.92E-01	6.17E-02	2.91E+00	2.98E+00	9.30E+01	1.92E+00	3.15E-01	9.82E+01
5652	482404.05	3852767.78	36.771	8.63871	17.625	5.72419	2.80E+00	9.22E+01	1.95E+00	3.27E-01	9.73E+01	2.72E+00	3.89E-04	1.95E-01	6.41E-02	2.98E+00	3.05E+00	9.22E+01	1.95E+00	3.27E-01	9.75E+01
5653	482469.4	3852835.52	37.6802	8.51385	17.897	5.92553	2.87E+00	9.09E+01	1.98E+00	3.39E-01	9.60E+01	2.79E+00	3.84E-04	1.98E-01	6.63E-02	3.05E+00	3.13E+00	9.09E+01	1.98E+00	3.39E-01	9.63E+01
5654	482534.75	3852903.25	38.7446	8.53461	18.17	6.11326	2.95E+00	9.11E+01	2.01E+00	3.50E-01	9.64E+01	2.87E+00	3.85E-04	2.01E-01	6.84E-02	3.14E+00	3.22E+00	9.11E+01	2.01E+00	3.50E-01	9.67E+01
5655	482600.11	3852970.99	39.7453	8.5685	18.454	6.28653	3.03E+00	9.14E+01	2.04E+00	3.59E-01	9.69E+01	2.94E+00	3.86E-04	2.04E-01	7.04E-02	3.22E+00	3.30E+00	9.14E+01	2.04E+00	3.59E-01	9.71E+01
5656	482706.71	3853119.28	42.0265	8.71575	19.378	6.54107	3.20E+00	9.30E+01	2.14E+00	3.74E-01	9.87E+01	3.11E+00	3.93E-04	2.14E-01	7.32E-02	3.40E+00	3.49E+00	9.30E+01	2.14E+00	3.74E-01	9.90E+01
5657	482747.96	3853199.84	43.2084	8.88186	20.017	6.64266	3.29E+00	9.48E+01	2.21E+00	3.80E-01	1.01E+02	3.20E+00	4.00E-04	2.21E-01	7.44E-02	3.49E+00	3.59E+00	9.48E+01	2.21E+00	3.80E-01	1.01E+02
5658	482789.21	3853280.4	44.4534	9.05275	20.647	6.7413	3.39E+00	9.66E+01	2.28E+00	3.85E-01	1.03E+02	3.29E+00	4.08E-04	2.28E-01	7.55E-02	3.60E+00	3.69E+00	9.66E+01	2.28E+00	3.85E-01	1.03E+02
5659	482830.46	3853360.96	45.0203	9.20052	21.258	6.83331	3.43E+00	9.82E+01	2.35E+00	3.91E-01	1.04E+02	3.33E+00	4.15E-04	2.35E-01	7.65E-02	3.64E+00	3.74E+00	9.82E+01	2.35E+00	3.91E-01	1.05E+02
5660	482871.71	3853441.52	44.82	9.3414	21.849	6.9181	3.42E+00	9.97E+01	2.42E+00	3.96E-01	1.06E+02	3.32E+00	4.21E-04	2.42E-01	7.74E-02	3.64E+00	3.72E+00	9.97E+01	2.42E+00	3.96E-01	1.06E+02
5661	482912.95	3853522.07	47.7403	9.4189	22.409	6.98937	3.64E+00	1.01E+02	2.48E+00	4.00E-01	1.07E+02	3.53E+00	4.25E-04	2.48E-01	7.82E-02	3.86E+00	3.96E+00	1.01E+02	2.48E+00	4.00E-01	1.07E+02
5662	482954.2	3853602.63	51.9885	9.48242	22.941	7.04916	3.96E+00	1.01E+02	2.54E+00	4.03E-01	1.08E+02	3.85E+00	4.27E-04	2.54E-01	7.89E-02	4.18E+00	4.32E+00	1.01E+02	2.54E+00	4.03E-01	1.08E+02
5663	482995.45	3853683.19	55.477	9.49893	23.438	7.30252	4.23E+00	1.01E+02	2.59E+00	4.18E-01	1.09E+02	4.11E+00	4.28E-04	2.59E-01	8.17E-02	4.45E+00	4.61E+00	1.01E+02	2.59E+00	4.18E-01	1.09E+02
5664	483036.7	3853763.75	57.7758	9.48963	23.894	8.05206	4.40E+00	1.01E+02	2.64E+00	4.60E-01	1.09E+02	4.28E+00	4.28E-04	2.64E-01	9.01E-02	4.63E+00	4.80E+00	1.01E+02	2.64E+00	4.60E-01	1.09E+02
5665	483214.2	3853909.91	64.8287	8.64535	24.486	7.67139	4.94E+00	9.23E+01	2.71E+00	4.39E-01	1.00E+02	4.80E+00	3.90E-04	2.71E-01	8.59E-02	5.16E+00	5.38E+00	9.23E+01	2.71E+00	4.39E-01	1.01E+02
5666	483307.01	3853910.44	64.1762	8.45826	24.22	6.86959	4.89E+00	9.03E+01	2.68E+00	3.93E-01	9.82E+01	4.75E+00	3.81E-04	2.68E-01	7.69E-02	5.10E+00	5.33E+00	9.03E+01	2.68E+00	3.93E-01	9.87E+01
5667	483399.83	3853910.96	63.1805	7.93718	23.764	6.75005	4.82E+00	8.47E+01	2.63E+00	3.86E-01	9.25E+01	4.68E+00	3.58E-04	2.63E-01	7.56E-02	5.02E+00	5.25E+00	8.47E+01	2.63E+00	3.86E-01	9.30E+01
5668	483494.52	3854009.24	66.5559	7.89668	24.32	6.72454	5.07E+00	8.43E+01	2.69E+00	3.85E-01	9.24E+01	4.93E+00	3.56E-04	2.69E-01	7.53E-02	5.27E+00	5.53E+00	8.43E+01	2.69E+00	3.85E-01	9.29E+01
5669	483496.41	3854106.98	74.324	8.38872	25.282	8.03705	5.67E+00	8.95E+01	2.80E+00	4.60E-01	9.84E+01	5.50E+00	3.78E-04	2.80E-01	9.00E-02	5.87E+00	6.17E+00	8.95E+01	2.80E+00	4.60E-01	9.89E+01

5670	483577.56	3854261.96	80.9418	7.75107	26.232	6.94515	6.17E+00	8.27E+01	2.90E+00	3.97E-01	9.22E+01	5.99E+00	3.49E-04	2.90E-01	7.77E-02	6.36E+00	6.72E+00	8.27E+01	2.90E+00	3.97E-01	9.27E+01
5671	483656.83	3854319.19	90.5597	6.96654	26.509	7.23016	6.90E+00	7.43E+01	2.93E+00	4.13E-01	8.46E+01	6.70E+00	3.14E-04	2.93E-01	8.09E-02	7.08E+00	7.52E+00	7.43E+01	2.93E+00	4.13E-01	8.52E+01
5672	483736.1	3854376.41	97.5904	6.13084	26.79	8.15036	7.44E+00	6.54E+01	2.96E+00	4.66E-01	7.63E+01	7.22E+00	2.76E-04	2.96E-01	9.12E-02	7.61E+00	8.10E+00	6.54E+01	2.96E+00	4.66E-01	7.70E+01
5673	483815.37	3854433.64	101.499	5.49265	27.078	9.41403	7.74E+00	5.86E+01	2.99E+00	5.38E-01	6.99E+01	7.51E+00	2.48E-04	2.99E-01	1.05E-01	7.92E+00	8.43E+00	5.86E+01	2.99E+00	5.38E-01	7.06E+01
5674	483894.63	3854490.87	101.944	5.49823	27.369	11.05337	7.77E+00	5.87E+01	3.03E+00	6.32E-01	7.01E+01	7.55E+00	2.48E-04	3.03E-01	1.24E-01	7.97E+00	8.46E+00	5.87E+01	3.03E+00	6.32E-01	7.08E+01
5675	483973.9	3854548.1	100.709	5.488	27.666	12.46362	7.68E+00	5.86E+01	3.06E+00	7.13E-01	7.00E+01	7.46E+00	2.47E-04	3.06E-01	1.40E-01	7.90E+00	8.36E+00	5.86E+01	3.06E+00	7.13E-01	7.07E+01
5676	484053.17	3854605.32	98.4926	5.4634	27.971	13.2066	7.51E+00	5.83E+01	3.09E+00	7.55E-01	6.97E+01	7.29E+00	2.46E-04	3.09E-01	1.48E-01	7.75E+00	8.18E+00	5.83E+01	3.09E+00	7.55E-01	7.03E+01
5677	484214.97	3854698.15	90.2719	5.32991	28.355	16.32515	6.88E+00	5.69E+01	3.13E+00	9.34E-01	6.78E+01	6.68E+00	2.40E-04	3.13E-01	1.83E-01	7.18E+00	7.49E+00	5.69E+01	3.13E+00	9.34E-01	6.84E+01
5678	484297.5	3854733.74	88.0683	5.20811	28.375	16.74172	6.71E+00	5.56E+01	3.14E+00	9.57E-01	6.64E+01	6.52E+00	2.35E-04	3.14E-01	1.87E-01	7.02E+00	7.31E+00	5.56E+01	3.14E+00	9.57E-01	6.70E+01
5679	484380.03	3854769.34	80.482	5.05725	28.33	15.19175	6.13E+00	5.40E+01	3.13E+00	8.69E-01	6.41E+01	5.96E+00	2.28E-04	3.13E-01	1.70E-01	6.44E+00	6.68E+00	5.40E+01	3.13E+00	8.69E-01	6.47E+01
5680	484462.56	3854804.94	90.5348	4.88765	28.224	14.71693	6.90E+00	5.22E+01	3.12E+00	8.42E-01	6.30E+01	6.70E+00	2.20E-04	3.12E-01	1.65E-01	7.18E+00	7.52E+00	5.22E+01	3.12E+00	8.42E-01	6.36E+01
5681	484545.09	3854840.53	88.5366	4.69993	28.046	15.64617	6.75E+00	5.02E+01	3.10E+00	8.95E-01	6.09E+01	6.55E+00	2.12E-04	3.10E-01	1.75E-01	7.04E+00	7.35E+00	5.02E+01	3.10E+00	8.95E-01	6.15E+01
5682	484691.88	3854912.59	90.1778	4.37335	27.76	10.65964	6.87E+00	4.67E+01	3.07E+00	6.10E-01	5.72E+01	6.68E+00	1.97E-04	3.07E-01	1.19E-01	7.10E+00	7.49E+00	4.67E+01	3.07E+00	6.10E-01	5.78E+01
5683	484830.81	3855012.51	88.9677	4.13432	28.08	10.1282	6.78E+00	4.41E+01	3.10E+00	5.79E-01	5.46E+01	6.59E+00	1.86E-04	3.10E-01	1.13E-01	7.01E+00	7.39E+00	4.41E+01	3.10E+00	5.79E-01	5.52E+01
5684	484905.48	3855075.97	96.4169	4.42606	28.485	21.3536	7.35E+00	4.72E+01	3.15E+00	1.22E+00	5.90E+01	7.14E+00	2.00E-04	3.15E-01	2.39E-01	7.69E+00	8.00E+00	4.72E+01	3.15E+00	1.22E+00	5.96E+01
5685	484980.14	3855139.44	99.556	4.67953	28.898	26.54747	7.59E+00	4.99E+01	3.19E+00	1.52E+00	6.22E+01	7.37E+00	2.11E-04	3.19E-01	2.97E-01	7.99E+00	8.27E+00	4.99E+01	3.19E+00	1.52E+00	6.29E+01
5686	485054.81	3855202.91	98.424	4.68423	29.316	21.28285	7.50E+00	5.00E+01	3.24E+00	1.22E+00	6.19E+01	7.29E+00	2.11E-04	3.24E-01	2.38E-01	7.85E+00	8.17E+00	5.00E+01	3.24E+00	1.22E+00	6.26E+01
5687	485129.48	3855266.37	92.9003	4.34892	29.735	16.97902	7.08E+00	4.64E+01	3.29E+00	9.71E-01	5.77E+01	6.88E+00	1.96E-04	3.29E-01	1.90E-01	7.40E+00	7.71E+00	4.64E+01	3.29E+00	9.71E-01	5.84E+01
5688	485204.15	3855329.84	94.6384	4.60567	30.186	24.96739	7.21E+00	4.92E+01	3.34E+00	1.43E+00	6.11E+01	7.01E+00	2.08E-04	3.34E-01	2.79E-01	7.62E+00	7.86E+00	4.92E+01	3.34E+00	1.43E+00	6.18E+01
5689	485278.82	3855393.31	91.9356	4.53004	30.639	26.95731	7.01E+00	4.83E+01	3.39E+00	1.54E+00	6.03E+01	6.81E+00	2.04E-04	3.39E-01	3.02E-01	7.45E+00	7.63E+00	4.83E+01	3.39E+00	1.54E+00	6.09E+01
5690	485353.48	3855456.77	90.4124	4.61309	31.112	27.43749	6.89E+00	4.92E+01	3.44E+00	1.57E+00	6.11E+01	6.69E+00	2.08E-04	3.44E-01	3.07E-01	7.34E+00	7.51E+00	4.92E+01	3.44E+00	1.57E+00	6.17E+01
5691	485428.15	3855520.24	88.9396	4.51497	31.591	28.87818	6.78E+00	4.82E+01	3.49E+00	1.65E+00	6.01E+01	6.58E+00	2.04E-04	3.49E-01	3.23E-01	7.26E+00	7.38E+00	4.82E+01	3.49E+00	1.65E+00	6.07E+01
5692	485502.82	3855583.71	88.4846	4.62411	32.087	23.50986	6.74E+00	4.93E+01	3.55E+00	1.34E+00	6.10E+01	6.55E+00	2.08E-04	3.55E-01	2.63E-01	7.17E+00	7.35E+00	4.93E+01	3.55E+00	1.34E+00	6.16E+01
5693	485577.49	3855647.17	89.9138	5.03324	32.607	18.54031	6.85E+00	5.37E+01	3.61E+00	1.06E+00	6.52E+01	6.66E+00	2.27E-04	3.61E-01	2.08E-01	7.22E+00	7.46E+00	5.37E+01	3.61E+00	1.06E+00	6.58E+01
5694	485652.16	3855710.64	92.6103	5.37858	33.144	16.97241	7.06E+00	5.74E+01	3.66E+00	9.71E-01	6.91E+01	6.86E+00	2.42E-04	3.66E-01	1.90E-01	7.41E+00	7.69E+00	5.74E+01	3.66E+00	9.71E-01	6.97E+01
5695	485726.83	3855774.11	93.2815	5.38101	33.686	22.22828	7.11E+00	5.74E+01	3.72E+00	1.27E+00	6.95E+01	6.91E+00	2.43E-04	3.72E-01	2.49E-01	7.53E+00	7.74E+00	5.74E+01	3.72E+00	1.27E+00	7.02E+01
5696	485801.49	3855837.57	91.2952	5.18373	34.236	21.98984	6.96E+00	5.53E+01	3.79E+00	1.26E+00	6.73E+01	6.76E+00	2.34E-04	3.79E-01	2.46E-01	7.38E+00	7.58E+00	5.53E+01	3.79E+00	1.26E+00	6.79E+01
5697	485876.16	3855901.04	91.1717	5.12776	34.809	22.91293	6.95E+00	5.47E+01	3.85E+00	1.31E+00	6.68E+01	6.75E+00	2.31E-04	3.85E-01	2.56E-01	7.39E+00	7.57E+00	5.47E+01	3.85E+00	1.31E+00	6.75E+01
5698	485950.83	3855964.5	89.0108	4.95524	35.391	20.13717	6.78E+00	5.29E+01	3.91E+00	1.15E+00	6.47E+01	6.59E+00	2.23E-04	3.91E-01	2.25E-01	7.21E+00	7.39E+00	5.29E+01	3.91E+00	1.15E+00	6.53E+01
5699	486025.5	3856027.97	86.7283	4.63232	35.981	20.70263	6.61E+00	4.94E+01	3.98E+00	1.18E+00	6.12E+01	6.42E+00	2.09E-04	3.98E-01	2.32E-01	7.05E+00	7.20E+00	4.94E+01	3.98E+00	1.18E+00	6.18E+01
5700	486100.17	3856091.44	89.5741	5.03542	36.619	17.72765	6.83E+00	5.37E+01	4.05E+00	1.01E+00	6.56E+01	6.63E+00	2.27E-04	4.05E-01	1.98E-01	7.24E+00	7.44E+00	5.37E+01	4.05E+00	1.01E+00	6.62E+01
5701	486174.83	3856154.9	90.2951	5.03448	37.233	15.94671	6.88E+00	5.37E+01	4.12E+00	9.12E-01	6.56E+01	6.68E+00	2.27E-04	4.12E-01	1.79E-01	7.28E+00	7.50E+00	5.37E+01	4.12E+00	9.12E-01	6.63E+01
5702	486249.5	3856218.37	86.7582	5.06074	37.84	15.77416	6.61E+00	5.40E+01	4.18E+00	9.02E-01	6.57E+01	6.42E+00	2.28E-04	4.18E-01	1.77E-01	7.02E+00	7.20E+00	5.40E+01	4.18E+00	9.02E-01	6.63E+01
5703	486324.17	3856281.84	81.8267	5.04561	38.466	20.31709	6.24E+00	5.38E+01	4.25E+00	1.16E+00	6.55E+01	6.06E+00	2.27E-04	4.25E-01	2.27E-01	6.71E+00	6.79E+00	5.38E+01	4.25E+00	1.16E+00	6.61E+01
5704	486398.84	3856345.3	84.8635	5.01111	39.133	21.41052	6.47E+00	5.35E+01	4.33E+00	1.22E+00	6.55E+01	6.28E+00	2.26E-04	4.33E-01	2.40E-01	6.96E+00	7.05E+00	5.35E+01	4.33E+00	1.22E+00	6.61E+01
5705	486473.51	3856408.77	86.247	4.99364	39.797	23.36163	6.57E+00	5.33E+01	4.40E+00	1.34E+00	6.56E+01	6.39E+00	2.25E-04	4.40E-01	2.62E-01	7.09E+00	7.16E+00	5.33E+01	4.40E+00	1.34E+00	6.62E+01
5706	486548.17	3856472.24	89.1579	5.24557	40.474	23.55507	6.80E+00	5.60E+01	4.47E+00	1.35E+00	6.86E+01	6.60E+00	2.36E-04	4.47E-01	2.64E-01	7.31E+00	7.40E+00	5.60E+01	4.47E+00	1.35E+00	6.92E+01
5707	486622.84	3856535.7	91.7053	5.46644	41.146	22.73453	6.99E+00	5.83E+01	4.55E+00	1.30E+00	7.12E+01	6.79E+00	2.46E-04	4.55E-01	2.54E-01	7.50E+00	7.61E+00	5.83E+01	4.55E+00	1.30E+00	7.18E+01
5708	486765.48	3856659.69	96.8217	5.78358	42.614	20.45096	7.38E+00	6.17E+01	4.71E+00	1.17E+00	7.50E+01	7.17E+00	2.61E-04	4.71E-01	2.29E-01	7.87E+00	8.04E+00	6.17E+01	4.71E+00	1.17E+00	7.56E+01
5709	486833.44	3856720.2	97.9623	5.87837	43.405	19.67068	7.47E+00	6.27E+01	4.80E+00	1.12E+00	7.61E+01	7.25E+00	2.65E-04	4.80E-01	2.20E-01	7.95E+00	8.13E+00	6.27E+01	4.80E+00	1.12E+00	7.68E+01
5710	486901.41	3856780.72	99.7536	5.93591	44.188	18.39341	7.60E+00	6.33E+01	4.89E+00	1.05E+00	7.69E+01	7.39E+00	2.68E-04	4.89E-01	2.06E-01	8.08E+00	8.28E+00	6.33E+01	4.89E+00	1.05E+00	7.76E+01
5711	486969.38	3856841.24	101.17	5.94154	44.93	16.81099	7.71E+00	6.34E+01	4.97E+00	9.61E-01	7.70E+01	7.49E+00	2.68E-04	4.97E-01	1.88E-01	8.18E+00	8.40E+00	6.34E+01	4.97E+00	9.61E-01	7.77E+01
5712	487037.34	3856901.75	102.358	5.87136	45.614	14.76459	7.80E+00	6.27E+01	5.04E+00	8.44E-01	7.63E+01	7.58E+00	2.65E-04	5.04E-01	1.65E-01	8.25E+00	8.50E+00	6.27E+01	5.04E+00	8.44E-01	7.70E+01
5713	487271.23	3856855.51	61.3681	6.55069	33.544	14.46634	4.68E+00	6.99E+01	3.71E+00	8.27E-01	7.91E+01	4.54E+00	2.95E-04	3.71E-01	1.62E-01	5.08E+00	5.09E+00	6.99E+01	3.71E+00	8.27E-01	7.95E+01
5714	487368.96	3856857.29	54.1176	6.54864	46.157	13.73435	4.12E+00	6.99E+01	5.10E+00	7.85E-01	7.99E+01	4.01E+00	2.95E-04	5.10E-01	1.54E-01	4.67E+00	4.49E+00	6.99E+01	5.10E+00	7.85E-01	8.03E+01
5715	487466.68	3856859.06	47.7254	6.39623	59.872	12.91052	3.64E+00	6.83E+01	6.62E+00	7.38E-01	7.93E+01	3.53E+00	2.88E-04	6.62E-01	1.45E-01	4.34E+00	3.96E+00	6.83E+01	6.62E+00	7.38E-01	7.96E+01
5716	487636.44	3856930	43.5712	6.12188	78.458	10.75532	3.32E+00	6.53E+01	8.67E+00	6.15E-01	7.79E+01	3.23E+00	2.76E-04	8.67E-01	1.20E-01	4.21E+00	3.62E+00	6.53E+01	8.67E+00	6.15E-01	7.82E+01
5717	487709.57	3856928.43	40.8314	6.08733	82.044	10.2641	3.11E+00	6.50E+01	9.07E+00	5.87E-01	7.77E+01	3.02E+00	2.74E-04	9.07E-01	1.15E-01	4.05E+00	3.39E+00	6.50E+01	9.07E+00	5.87E-01	7.80E+01
5718	487782.55	3856841.96	34.9724	6.14163	75.68	10.53969	2.67E+00	6.55E+01	8.37E+00	6.03E-01	7.72E+01	2.59E+00	2.77E-04	8.37E-01	1.18E-01	3.54E+00	2.90E+00	6.55E+01	8.37E+00	6.03E-01	7.74E+01
5719	487849.83	3856754.74	31.8442	6.19339	63.54	10.2624	2.43E+00	6.61E+01	7.03E+00	5.87E-01	7.61E+01	2.36E+00	2.79E-04	7.03E-01	1.15E-01	3.18E+00	2.64E+00	6.61E+01	7.03E+00	5.87E-01	7.64E+01
5720	487918.03	3856819.39	31.9279	6.23006	57.268	9.37004	2.43E+00	6.65E+01	6.33E+00	5.36E-01	7.58E+01	2.36E+00	2.81E-04	6.33E-01	1.05E-01	3.10E+00	2.65E+00	6.65E+01	6.33E+00	5.36E-01	7.60E+01
5721	487918.8	3856886.37	33.187	6.54502	60.795	9.12712	2.53E+00	6.98E+01	6.72E+00	5.22E-01	7.96E+01	2.46E+00	2.95E-04	6.72E-01	1.02E-01	3.23E+00	2.76E+00	6.98E+01	6.72E+00	5.22E-01	7.98E+01
5722	488065.47	3857127.51	37.4259	7.45764	40.969	5.63989	2.85E+00	7.96E+01	4.53E+00	3.23E-01	8.73E+01	2.77E+00	3.36E-04	4.53E-01	6.31E-02	3.29E+00	3.11E+00	7.96E+01	4.53E+00	3.23E-01	8.75E+01
5723	488192.19	3857385.84	44.8779	9.35209	59.519	5.59462	3.42E+00	9.98E+01	6.58E+00	3.20E-01	1.10E+02	3.32E+00	4.22E-04	6.58E-01	6.26E-02	4.04E+00	3.73E+00	9.98E+01	6.58E+00	3.20E-01	1.10E+02
5724	488191.22	3857473.87	48.412	10.0082	70.645	5.94238	3.69E+00	1.07E+02	7.81E+00	3.40E-01	1.19E+02	3.58E+00	4.51E-04	7.81E-01	6.65E-02	4.43E+00	4.02E+00	1.07E+02	7.81E+00	3.40E-01	1.19E+02
5725	488190.24	3857561.91	52.2034	10.6575	81.506	8.41468	3.98E+00	1.14E+02	9.01E+00	4.81E-01	1.27E+02	3.86E+00	4.80E-04	9.01E-01	9.42E-02	4.86E+00	4.33E+00	1.14E+02	9.01E+00	4.81E-01	1.28E+02
5726	488158.35	3857691.13	54.312	11.3419	116.25	12.33666	4.14E+00	1.21E+02	1.29E+01	7.05E-01	1.39E+02	4.02E+00	5.11E-04	1.29E+00	1.38E-01	5.44E+00	4.51E+00	1.21E+02	1.29E+01	7.05E-01	1.39E+02
5727	488208.37	3857816.66	51.3621	12.148	160.37	13.72699	3.91E+00	1.30E+02	1.77E+01	7.85E-01	1.52E+02	3.80E+00	5.48E-04	1.77E+00	1.54E-01	5.73E+00	4.26E+00	1.30E+02	1.77E+01	7.85E-01	1.52E+02
5728	488271.97	3857874.6	49.474	12.6959	171.76	11.58372	3.77E+00	1.35E+02	1.90E+01	6.62E-01	1.59E+02	3.66E+00	5.72E-04	1.90E+00	1.30E-01	5.69E+00	4.11E+00	1.35E+02	1.90E+01	6.62E-01	1.59E+02
5729	488463.56	3857942.31	44.8839	12.6925	245.97	11.02914	3.42E+00	1.35E+02	2.72E+01	6.31E-01	1.67E+02	3.32E+00	5.72E-04	2.72E+00	1.23E-01	6.17E+00	3.73E+00	1.35E+02	2.72E+01	6.31E-01	1.67E+02
5730	488554.83	3857940.83	43.1629	12.3251	227.7	11.47693	3.29E+00	1.32E+02	2.52E+01	6.56E-01	1.61E+02	3.20E+00	5.56E-04	2.52E+00	1.28E-01	5.84E+00	3.58E+00	1.32E+02	2.52E+01	6.56E-01	1.61E+02

5731	488646.1	3857939.36	43.6181	12.9711	195.52	10.9853	3.32E+00	1.38E+02	2.16E+01	6.28E-01	1.64E+02	3.23E+00	5.85E-04	2.16E+00	1.23E-01	5.51E+00	3.62E+00	1.38E+02	2.16E+01	6.28E-01	1.64E+02
5732	488737.37	3857937.88	42.6436	12.9451	163.88	10.99898	3.25E+00	1.38E+02	1.81E+01	6.29E-01	1.60E+02	3.16E+00	5.84E-04	1.81E+00	1.23E-01	5.09E+00	3.54E+00	1.38E+02	1.81E+01	6.29E-01	1.60E+02
5733	488733.59	3857960.57	42.675	13.0263	167.48	10.99188	3.25E+00	1.39E+02	1.85E+01	6.29E-01	1.61E+02	3.16E+00	5.87E-04	1.85E+00	1.23E-01	5.13E+00	3.54E+00	1.39E+02	1.85E+01	6.29E-01	1.62E+02
5734	488638.09	3857961.57	42.9412	13.0723	209.86	11.33131	3.27E+00	1.40E+02	2.32E+01	6.48E-01	1.67E+02	3.18E+00	5.89E-04	2.32E+00	1.27E-01	5.63E+00	3.57E+00	1.40E+02	2.32E+01	6.48E-01	1.67E+02
5735	488542.6	3857962.56	42.8548	12.4394	262.05	11.57688	3.27E+00	1.33E+02	2.90E+01	6.62E-01	1.66E+02	3.17E+00	5.61E-04	2.90E+00	1.30E-01	6.20E+00	3.56E+00	1.33E+02	2.90E+01	6.62E-01	1.66E+02
5736	488447.1	3857963.56	45.0847	13.0098	311.18	11.41893	3.44E+00	1.39E+02	3.44E+01	6.53E-01	1.77E+02	3.34E+00	5.86E-04	3.44E+00	1.28E-01	6.91E+00	3.74E+00	1.39E+02	3.44E+01	6.53E-01	1.78E+02
5737	488254.28	3857890.36	49.7164	12.7037	175.29	11.71138	3.79E+00	1.36E+02	1.94E+01	6.70E-01	1.59E+02	3.68E+00	5.73E-04	1.94E+00	1.31E-01	5.75E+00	4.13E+00	1.36E+02	1.94E+01	6.70E-01	1.60E+02
5738	488191.69	3857833.06	51.8081	12.17	171.61	13.8943	3.95E+00	1.30E+02	1.90E+01	7.95E-01	1.54E+02	3.84E+00	5.49E-04	1.90E+00	1.56E-01	5.89E+00	4.30E+00	1.30E+02	1.90E+01	7.95E-01	1.54E+02
5739	488129.5	3857907.43	55.7296	12.4353	153.54	14.44909	4.25E+00	1.33E+02	1.70E+01	8.26E-01	1.55E+02	4.13E+00	5.61E-04	1.70E+00	1.62E-01	5.99E+00	4.63E+00	1.33E+02	1.70E+01	8.26E-01	1.55E+02
5740	488196.47	3857968.74	53.6629	13.1617	178.7	11.09685	4.09E+00	1.40E+02	1.98E+01	6.35E-01	1.65E+02	3.97E+00	5.93E-04	1.98E+00	1.24E-01	6.07E+00	4.46E+00	1.40E+02	1.98E+01	6.35E-01	1.65E+02
5741	488263.44	3858030.04	51.7044	13.6381	519.88	10.45433	3.94E+00	1.46E+02	5.75E+01	5.98E-01	2.08E+02	3.83E+00	6.15E-04	5.75E+00	1.17E-01	9.69E+00	4.29E+00	1.46E+02	5.75E+01	5.98E-01	2.08E+02
5742	488400.64	3858132.9	47.925	14.2736	376.15	13.00346	3.65E+00	1.52E+02	4.16E+01	7.44E-01	1.98E+02	3.55E+00	6.43E-04	4.16E+00	1.46E-01	7.85E+00	3.98E+00	1.52E+02	4.16E+01	7.44E-01	1.99E+02
5743	488519.89	3858218.38	44.4244	15.2679	251.86	11.51114	3.39E+00	1.63E+02	2.78E+01	6.58E-01	1.95E+02	3.29E+00	6.88E-04	2.78E+00	1.29E-01	6.20E+00	3.69E+00	1.63E+02	2.78E+01	6.58E-01	1.95E+02
5744	488647.97	3858214.99	41.4977	15.1661	186.97	9.29799	3.16E+00	1.62E+02	2.07E+01	5.32E-01	1.86E+02	3.07E+00	6.84E-04	2.07E+00	1.04E-01	5.24E+00	3.45E+00	1.62E+02	2.07E+01	5.32E-01	1.86E+02
5745	488727.05	3858167.67	39.2941	14.9835	133.36	9.45844	3.00E+00	1.60E+02	1.47E+01	5.41E-01	1.78E+02	2.91E+00	6.75E-04	1.47E+00	1.06E-01	4.49E+00	3.26E+00	1.60E+02	1.47E+01	5.41E-01	1.78E+02
5746	488806.12	3858120.35	38.031	14.7826	135.49	9.53688	2.90E+00	1.58E+02	1.50E+01	5.45E-01	1.76E+02	2.82E+00	6.66E-04	1.50E+00	1.07E-01	4.42E+00	3.16E+00	1.58E+02	1.50E+01	5.45E-01	1.76E+02
5747	488885.2	3858073.03	39.9133	14.5067	128.14	9.52299	3.04E+00	1.55E+02	1.42E+01	5.45E-01	1.73E+02	2.95E+00	6.54E-04	1.42E+00	1.07E-01	4.48E+00	3.31E+00	1.55E+02	1.42E+01	5.45E-01	1.73E+02
5748	489055.76	3857991.18	36.337	13.4778	92.834	9.85331	2.77E+00	1.44E+02	1.03E+01	5.63E-01	1.57E+02	2.69E+00	6.08E-04	1.03E+00	1.10E-01	3.83E+00	3.02E+00	1.44E+02	1.03E+01	5.63E-01	1.58E+02
5749	489245.39	3857944.55	32.9983	11.7805	76.539	10.26641	2.52E+00	1.26E+02	8.46E+00	5.87E-01	1.37E+02	2.44E+00	5.31E-04	8.46E-01	1.15E-01	3.40E+00	2.74E+00	1.26E+02	8.46E+00	5.87E-01	1.38E+02
5750	489430.63	3857930.91	29.0498	10.6601	67.523	8.54753	2.21E+00	1.14E+02	7.47E+00	4.89E-01	1.24E+02	2.15E+00	4.81E-04	7.47E-01	9.57E-02	2.99E+00	2.41E+00	1.14E+02	7.47E+00	4.89E-01	1.24E+02
5751	489517.74	3857929.36	27.4249	10.0106	65.452	7.15137	2.09E+00	1.07E+02	7.24E+00	4.09E-01	1.17E+02	2.03E+00	4.51E-04	7.24E-01	8.01E-02	2.83E+00	2.28E+00	1.07E+02	7.24E+00	4.09E-01	1.17E+02
5752	489604.86	3857927.82	26.697	9.49411	67.532	6.18315	2.03E+00	1.01E+02	7.47E+00	3.54E-01	1.11E+02	1.98E+00	4.28E-04	7.47E-01	6.92E-02	2.79E+00	2.22E+00	1.01E+02	7.47E+00	3.54E-01	1.11E+02
5753	489691.97	3857926.28	25.8313	8.89715	68.874	5.61118	1.97E+00	9.49E+01	7.61E+00	3.21E-01	1.05E+02	1.91E+00	4.01E-04	7.61E-01	6.28E-02	2.74E+00	2.14E+00	9.49E+01	7.61E+00	3.21E-01	1.05E+02
5754	489779.08	3857924.73	24.8802	8.53075	69.645	4.96408	1.90E+00	9.10E+01	7.70E+00	2.84E-01	1.01E+02	1.84E+00	3.85E-04	7.70E-01	5.56E-02	2.67E+00	2.07E+00	9.10E+01	7.70E+00	2.84E-01	1.01E+02
5755	490017.55	3857875.09	21.5442	6.74251	69.241	5.32743	1.64E+00	7.20E+01	7.66E+00	3.05E-01	8.16E+01	1.59E+00	3.04E-04	7.66E-01	5.96E-02	2.42E+00	1.79E+00	7.20E+01	7.66E+00	3.05E-01	8.17E+01
5756	490033.82	3857960.81	22.4606	6.61241	69.076	5.19436	1.71E+00	7.06E+01	7.64E+00	2.97E-01	8.02E+01	1.66E+00	2.98E-04	7.64E-01	5.81E-02	2.48E+00	1.86E+00	7.06E+01	7.64E+00	2.97E-01	8.04E+01
5757	489959.15	3857987.49	23.7093	7.18728	68.415	5.09772	1.81E+00	7.67E+01	7.56E+00	2.92E-01	8.64E+01	1.76E+00	3.24E-04	7.56E-01	5.71E-02	2.57E+00	1.97E+00	7.67E+01	7.56E+00	2.92E-01	8.65E+01
5758	489791.49	3858016.12	25.7151	8.41446	66.817	5.37471	1.96E+00	8.98E+01	7.39E+00	3.07E-01	9.95E+01	1.90E+00	3.79E-04	7.39E-01	6.02E-02	2.70E+00	2.13E+00	8.98E+01	7.39E+00	3.07E-01	9.96E+01
5759	489698.51	3858018.07	26.4889	9.05257	66.012	5.21081	2.02E+00	9.66E+01	7.30E+00	2.98E-01	1.06E+02	1.96E+00	4.08E-04	7.30E-01	5.83E-02	2.75E+00	2.20E+00	9.66E+01	7.30E+00	2.98E-01	1.06E+02
5760	489605.52	3858020.02	28.0296	9.53137	64.582	5.91726	2.14E+00	1.02E+02	7.14E+00	3.38E-01	1.11E+02	2.08E+00	4.30E-04	7.14E-01	6.62E-02	2.86E+00	2.33E+00	1.02E+02	7.14E+00	3.38E-01	1.12E+02
5761	489512.53	3858021.96	29.8564	10.3567	66.081	6.6619	2.28E+00	1.11E+02	7.31E+00	3.81E-01	1.20E+02	2.21E+00	4.67E-04	7.31E-01	7.46E-02	3.02E+00	2.48E+00	1.11E+02	7.31E+00	3.81E-01	1.21E+02
5762	489419.55	3858023.91	31.4393	10.8261	70.537	8.33505	2.40E+00	1.16E+02	7.80E+00	4.77E-01	1.26E+02	2.33E+00	4.88E-04	7.80E-01	9.33E-02	3.20E+00	2.61E+00	1.16E+02	7.80E+00	4.77E-01	1.26E+02
5763	489228.47	3858041.29	34.7932	12.2872	79.296	10.43232	2.65E+00	1.31E+02	8.77E+00	5.97E-01	1.43E+02	2.58E+00	5.54E-04	8.77E-01	1.17E-01	3.57E+00	2.89E+00	1.31E+02	8.77E+00	5.97E-01	1.43E+02
5764	489065.75	3858085.78	38.1654	13.5888	106.53	10.72892	2.91E+00	1.45E+02	1.18E+01	6.14E-01	1.60E+02	2.83E+00	6.13E-04	1.18E+00	1.20E-01	4.12E+00	3.17E+00	1.45E+02	1.18E+01	6.14E-01	1.61E+02
5765	489001.12	3858114.86	38.9988	14.2916	113.95	10.36778	2.97E+00	1.53E+02	1.26E+01	5.93E-01	1.69E+02	2.89E+00	6.44E-04	1.26E+00	1.16E-01	4.26E+00	3.24E+00	1.53E+02	1.26E+01	5.93E-01	1.69E+02
5766	488861.89	3858189.81	37.7509	15.1491	124.21	8.53863	2.88E+00	1.62E+02	1.37E+01	4.88E-01	1.79E+02	2.79E+00	6.83E-04	1.37E+00	9.56E-02	4.26E+00	3.13E+00	1.62E+02	1.37E+01	4.88E-01	1.79E+02
5767	488787.29	3858235.69	38.3366	15.8541	132.79	8.71275	2.92E+00	1.69E+02	1.47E+01	4.98E-01	1.87E+02	2.84E+00	7.15E-04	1.47E+00	9.75E-02	4.40E+00	3.18E+00	1.69E+02	1.47E+01	4.98E-01	1.88E+02
5768	488712.68	3858281.57	40.8059	15.9468	167.66	8.45707	3.11E+00	1.70E+02	1.85E+01	4.84E-01	1.92E+02	3.02E+00	7.19E-04	1.85E+00	9.47E-02	4.97E+00	3.39E+00	1.70E+02	1.85E+01	4.84E-01	1.93E+02
5769	488654.39	3858436.17	40.4231	18.2364	117.64	8.85244	3.08E+00	1.95E+02	1.30E+01	5.06E-01	2.11E+02	2.99E+00	8.22E-04	1.30E+00	9.91E-02	4.39E+00	3.36E+00	1.95E+02	1.30E+01	5.06E-01	2.11E+02
5770	488726.31	3858505.26	39.1933	19.1475	93.342	9.35822	2.99E+00	2.04E+02	1.03E+01	5.35E-01	2.18E+02	2.90E+00	8.63E-04	1.03E+00	1.05E-01	4.04E+00	3.25E+00	2.04E+02	1.03E+01	5.35E-01	2.18E+02
5771	488880.6	3858599.28	36.4592	18.3949	67.59	10.96062	2.78E+00	1.96E+02	7.47E+00	6.27E-01	2.07E+02	2.70E+00	8.29E-04	7.47E-01	1.23E-01	3.57E+00	3.03E+00	1.96E+02	7.47E+00	6.27E-01	2.07E+02
5772	489008.06	3858714.75	34.7756	17.3994	61.831	12.244	2.65E+00	1.86E+02	6.84E+00	7.00E-01	1.96E+02	2.57E+00	7.84E-04	6.84E-01	1.37E-01	3.40E+00	2.89E+00	1.86E+02	6.84E+00	7.00E-01	1.96E+02
5773	489071.48	3858772.72	33.9928	15.8128	61.055	11.28932	2.59E+00	1.69E+02	6.75E+00	6.46E-01	1.79E+02	2.52E+00	7.13E-04	6.75E-01	1.26E-01	3.32E+00	2.82E+00	1.69E+02	6.75E+00	6.46E-01	1.79E+02
5774	489244.6	3858920.2	31.8421	16.5784	57.905	7.29311	2.43E+00	1.77E+02	6.40E+00	4.17E-01	1.86E+02	2.36E+00	7.47E-04	6.40E-01	8.16E-02	3.08E+00	2.64E+00	1.77E+02	6.40E+00	4.17E-01	1.86E+02
5775	489239.69	3858952.23	31.7927	17.1481	56.724	7.88619	2.42E+00	1.83E+02	6.27E+00	4.51E-01	1.92E+02	2.35E+00	7.73E-04	6.27E-01	8.83E-02	3.07E+00	2.64E+00	1.83E+02	6.27E+00	4.51E-01	1.92E+02
5776	489121.67	3858854.49	33.2699	15.9795	58.964	8.86278	2.54E+00	1.71E+02	6.52E+00	5.07E-01	1.80E+02	2.46E+00	7.20E-04	6.52E-01	9.92E-02	3.21E+00	2.76E+00	1.71E+02	6.52E+00	5.07E-01	1.80E+02
5777	489059.59	3858797.27	34.1355	16.0264	60.211	11.3791	2.60E+00	1.71E+02	6.66E+00	6.51E-01	1.81E+02	2.53E+00	7.22E-04	6.66E-01	1.27E-01	3.32E+00	2.83E+00	1.71E+02	6.66E+00	6.51E-01	1.81E+02
5778	488997.52	3858740.04	35.0453	17.5269	61.27	12.37569	2.67E+00	1.87E+02	6.77E+00	7.08E-01	1.97E+02	2.59E+00	7.90E-04	6.77E-01	1.39E-01	3.41E+00	2.91E+00	1.87E+02	6.77E+00	7.08E-01	1.97E+02
5779	488935.44	3858682.82	35.9165	18.5974	61.866	11.66289	2.74E+00	1.98E+02	6.84E+00	6.67E-01	2.09E+02	2.66E+00	8.38E-04	6.84E-01	1.31E-01	3.47E+00	2.98E+00	1.98E+02	6.84E+00	6.67E-01	2.09E+02
5780	488869.17	3858848.43	33.7731	21.2683	42.221	12.22977	2.57E+00	2.27E+02	4.67E+00	6.99E-01	2.35E+02	2.50E+00	9.59E-04	4.67E-01	1.37E-01	3.10E+00	2.80E+00	2.27E+02	4.67E+00	6.99E-01	2.35E+02
5781	488932.48	3858892.69	33.021	19.3029	43.669	12.88656	2.52E+00	2.06E+02	4.83E+00	7.37E-01	2.14E+02	2.44E+00	8.70E-04	4.83E-01	1.44E-01	3.07E+00	2.74E+00	2.06E+02	4.83E+00	7.37E-01	2.14E+02
5782	489063.27	3858977.17	32.5231	19.6991	46.242	9.10331	2.48E+00	2.10E+02	5.11E+00	5.21E-01	2.18E+02	2.41E+00	8.88E-04	5.11E-01	1.02E-01	3.02E+00	2.70E+00	2.10E+02	5.11E+00	5.21E-01	2.19E+02
5783	489248.2	3859117.15	30.8874	19.3296	45.79	7.23284	2.35E+00	2.06E+02	5.06E+00	4.14E-01	2.14E+02	2.29E+00	8.71E-04	5.06E-01	8.10E-02	2.87E+00	2.56E+00	2.06E+02	5.06E+00	4.14E-01	2.14E+02
5784	489296.25	3859049.22	31.5006	17.9774	52.891	6.6574	2.40E+00	1.92E+02	5.85E+00	3.81E-01	2.00E+02	2.33E+00	8.10E-04	5.85E-01	7.45E-02	2.99E+00	2.62E+00	1.92E+02	5.85E+00	3.81E-01	2.01E+02
5785	489353.38	3858993.97	30.5079	16.4629	55.969	6.66848	2.33E+00	1.76E+02	6.19E+00	3.81E-01	1.85E+02	2.26E+00	7.42E-04	6.19E-01	7.46E-02	2.95E+00	2.53E+00	1.76E+02	6.19E+00	3.81E-01	1.85E+02
5786	489537.25	3859120.22	28.4198	16.5327	52.746	7.66773	2.17E+00	1.76E+02	5.83E+00	4.38E-01	1.85E+02	2.10E+00	7.45E-04	5.83E-01	8.58E-02	2.77E+00	2.36E+00	1.76E+02	5.83E+00	4.38E-01	1.85E+02
5787	489726.98	3859246.04	26.2717	16.0777	49.492	6.19555	2.00E+00	1.72E+02	5.47E+00	3.54E-01	1.79E+02	1.94E+00	7.25E-04	5.47E-01	6.94E-02	2.56E+00	2.18E+00	1.72E+02	5.47E+00	3.54E-01	1.80E+02
5788	489911.46	3859366.33	25.1507	15.121	46.763	6.81126	1.92E+00	1.61E+02	5.17E+00	3.89E-01	1.69E+02	1.86E+00	6.82E-04	5.17E-01	7.62E-02	2.46E+00	2.09E+00	1.61E+02	5.17E+00	3.89E-01	1.69E+02
5789	490035.3	3859430.26	24.6063	14.9892	44.611	6.39068	1.88E+00	1.60E+02	4.93E+00	3.65E-01	1.67E+02	1.82E+00	6.76E-04	4.93E-01	7.15E-02	2.39E+00	2.04E+00	1.60E+02	4.93E+00	3.65E-01	1.67E+02
5790	490101.11	3859458.61	24.4113	14.6868	43.576	6.64682	1.86E+00	1.57E+02	4.82E+00	3.80E-01	1.64E+02	1.81E+00	6.62E-04	4.82E-01	7.44E-02	2.36E+00	2.03E+00	1.57E+02	4.82E+00	3.80E-01	1.64E+02
5791	490312.68	3859560.3	23.248	13.5868	40.277	7.43614	1.77E+00	1.45E+02	4.45E+00	4.25E-01	1.52E+02	1.72E+00	6.12E-04	4.45E-01	8.32E-02	2.25E+00	1.93E+00	1.45E+02	4.45E+00	4.25E-01	1.52E+02

5792	490401.63	3859603.12	22.6675	12.9574	39.279	7.61723	1.73E+00	1.38E+02	4.34E+00	4.36E-01	1.45E+02	1.68E+00	5.84E-04	4.34E-01	8.53E-02	2.20E+00	1.88E+00	1.38E+02	4.34E+00	4.36E-01	1.45E+02
5793	490490.57	3859645.94	22.0392	12.5664	39.663	7.71091	1.68E+00	1.34E+02	4.39E+00	4.41E-01	1.41E+02	1.63E+00	5.66E-04	4.39E-01	8.63E-02	2.16E+00	1.83E+00	1.34E+02	4.39E+00	4.41E-01	1.41E+02
5794	490579.51	3859688.76	21.5766	12.3105	40.033	7.70776	1.64E+00	1.31E+02	4.43E+00	4.41E-01	1.38E+02	1.60E+00	5.55E-04	4.43E-01	8.63E-02	2.13E+00	1.79E+00	1.31E+02	4.43E+00	4.41E-01	1.38E+02
5795	490668.45	3859731.58	21.3402	11.9767	40.47	7.5726	1.63E+00	1.28E+02	4.47E+00	4.33E-01	1.34E+02	1.58E+00	5.40E-04	4.47E-01	8.48E-02	2.11E+00	1.77E+00	1.28E+02	4.47E+00	4.33E-01	1.34E+02
5796	490757.4	3859774.4	20.8836	11.8187	40.448	7.43165	1.59E+00	1.26E+02	4.47E+00	4.25E-01	1.33E+02	1.55E+00	5.33E-04	4.47E-01	8.32E-02	2.08E+00	1.73E+00	1.26E+02	4.47E+00	4.25E-01	1.33E+02
5797	491003.53	3859861.82	19.3124	11.1951	41.73	6.94812	1.47E+00	1.19E+02	4.61E+00	3.97E-01	1.26E+02	1.43E+00	5.05E-04	4.61E-01	7.78E-02	1.97E+00	1.60E+00	1.19E+02	4.61E+00	3.97E-01	1.26E+02
5798	491081.41	3859879.05	18.5114	11.0389	42.149	6.82988	1.41E+00	1.18E+02	4.66E+00	3.91E-01	1.24E+02	1.37E+00	4.98E-04	4.66E-01	7.65E-02	1.91E+00	1.54E+00	1.18E+02	4.66E+00	3.91E-01	1.24E+02
5799	491229.76	3859917.82	18.078	10.7386	42.143	6.56621	1.38E+00	1.15E+02	4.66E+00	3.75E-01	1.21E+02	1.34E+00	4.84E-04	4.66E-01	7.35E-02	1.88E+00	1.50E+00	1.15E+02	4.66E+00	3.75E-01	1.21E+02
5800	491300.22	3859939.35	17.9178	10.5822	41.792	6.42489	1.37E+00	1.13E+02	4.62E+00	3.67E-01	1.19E+02	1.33E+00	4.77E-04	4.62E-01	7.19E-02	1.86E+00	1.49E+00	1.13E+02	4.62E+00	3.67E-01	1.19E+02
5801	491350.49	3860012.03	17.1535	10.165	39.863	6.55877	1.31E+00	1.08E+02	4.41E+00	3.75E-01	1.15E+02	1.27E+00	4.58E-04	4.41E-01	7.34E-02	1.78E+00	1.42E+00	1.08E+02	4.41E+00	3.75E-01	1.15E+02
5802	491406.82	3860092.57	16.4566	10.1888	37.819	6.88916	1.25E+00	1.09E+02	4.18E+00	3.94E-01	1.15E+02	1.22E+00	4.59E-04	4.18E-01	7.71E-02	1.71E+00	1.37E+00	1.09E+02	4.18E+00	3.94E-01	1.15E+02
5803	491483.37	3860121.96	16.3161	10.0348	37.824	6.66928	1.24E+00	1.07E+02	4.18E+00	3.81E-01	1.13E+02	1.21E+00	4.52E-04	4.18E-01	7.47E-02	1.70E+00	1.35E+00	1.07E+02	4.18E+00	3.81E-01	1.13E+02
5804	491559.91	3860151.36	16.2605	9.88453	37.717	6.37755	1.24E+00	1.05E+02	4.17E+00	3.65E-01	1.11E+02	1.20E+00	4.46E-04	4.17E-01	7.14E-02	1.69E+00	1.35E+00	1.05E+02	4.17E+00	3.65E-01	1.11E+02
5805	491711.81	3860237.76	16.4059	9.57422	38.358	6.18388	1.25E+00	1.02E+02	4.24E+00	3.54E-01	1.08E+02	1.21E+00	4.32E-04	4.24E-01	6.92E-02	1.71E+00	1.36E+00	1.02E+02	4.24E+00	3.54E-01	1.08E+02
5806	491755.2	3860319.07	15.0243	9.46137	34.635	5.22317	1.15E+00	1.01E+02	3.83E+00	2.99E-01	1.06E+02	1.11E+00	4.27E-04	3.83E-01	5.85E-02	1.55E+00	1.25E+00	1.01E+02	3.83E+00	2.99E-01	1.06E+02
5807	491704.71	3860366.54	15.7092	9.8917	32.296	5.31766	1.20E+00	1.06E+02	3.57E+00	3.04E-01	1.11E+02	1.16E+00	4.46E-04	3.57E-01	5.95E-02	1.58E+00	1.30E+00	1.06E+02	3.57E+00	3.04E-01	1.11E+02
5808	491623.43	3860462.39	15.8613	10.8477	29.587	5.52445	1.21E+00	1.16E+02	3.27E+00	3.16E-01	1.21E+02	1.17E+00	4.89E-04	3.27E-01	6.18E-02	1.56E+00	1.32E+00	1.16E+02	3.27E+00	3.16E-01	1.21E+02
5809	491534.02	3860439.85	17.0267	11.4164	34.784	5.71744	1.30E+00	1.22E+02	3.85E+00	3.27E-01	1.27E+02	1.26E+00	5.15E-04	3.85E-01	6.40E-02	1.71E+00	1.41E+00	1.22E+02	3.85E+00	3.27E-01	1.27E+02
5810	491313.95	3860268.18	17.0293	11.1403	30.038	5.97831	1.30E+00	1.19E+02	3.32E+00	3.42E-01	1.24E+02	1.26E+00	5.02E-04	3.32E-01	6.69E-02	1.66E+00	1.41E+00	1.19E+02	3.32E+00	3.42E-01	1.24E+02
5811	491187.12	3860143.56	17.7355	10.9061	30.9	7.71022	1.35E+00	1.16E+02	3.42E+00	4.41E-01	1.22E+02	1.31E+00	4.92E-04	3.42E-01	8.63E-02	1.74E+00	1.47E+00	1.16E+02	3.42E+00	4.41E-01	1.22E+02
5812	491070.43	3860075.97	18.4759	10.9965	32.189	8.54432	1.41E+00	1.17E+02	3.56E+00	4.89E-01	1.23E+02	1.37E+00	4.96E-04	3.56E-01	9.56E-02	1.82E+00	1.53E+00	1.17E+02	3.56E+00	4.89E-01	1.23E+02
5813	490995.09	3860039.39	18.9554	11.1453	33.052	8.72585	1.44E+00	1.19E+02	3.65E+00	4.99E-01	1.25E+02	1.40E+00	5.02E-04	3.65E-01	9.77E-02	1.87E+00	1.57E+00	1.19E+02	3.65E+00	4.99E-01	1.25E+02
5814	490919.75	3860002.8	19.4179	11.3559	33.945	8.78803	1.48E+00	1.21E+02	3.75E+00	5.03E-01	1.27E+02	1.44E+00	5.12E-04	3.75E-01	9.84E-02	1.91E+00	1.61E+00	1.21E+02	3.75E+00	5.03E-01	1.27E+02
5815	490756.81	3859894.53	20.5327	11.7879	35.889	7.77247	1.57E+00	1.26E+02	3.97E+00	4.44E-01	1.32E+02	1.52E+00	5.31E-04	3.97E-01	8.70E-02	2.00E+00	1.70E+00	1.26E+02	3.97E+00	4.44E-01	1.32E+02
5816	490668.07	3859860.92	20.8195	12.111	36.834	7.35963	1.59E+00	1.29E+02	4.07E+00	4.21E-01	1.35E+02	1.54E+00	5.46E-04	4.07E-01	8.24E-02	2.03E+00	1.73E+00	1.29E+02	4.07E+00	4.21E-01	1.35E+02
5817	490579.34	3859827.3	21.0533	12.4478	37.879	7.3642	1.60E+00	1.33E+02	4.19E+00	4.21E-01	1.39E+02	1.56E+00	5.61E-04	4.19E-01	8.24E-02	2.06E+00	1.75E+00	1.33E+02	4.19E+00	4.21E-01	1.39E+02
5818	490490.6	3859793.68	21.03	12.7867	38.688	7.47421	1.60E+00	1.36E+02	4.28E+00	4.27E-01	1.43E+02	1.56E+00	5.76E-04	4.28E-01	8.37E-02	2.07E+00	1.75E+00	1.36E+02	4.28E+00	4.27E-01	1.43E+02
5819	490401.86	3859760.07	20.8594	13.0595	39.443	7.53957	1.59E+00	1.39E+02	4.36E+00	4.31E-01	1.46E+02	1.54E+00	5.89E-04	4.36E-01	8.44E-02	2.07E+00	1.73E+00	1.39E+02	4.36E+00	4.31E-01	1.46E+02
5820	490313.12	3859726.45	21.5929	13.4362	40.182	7.55071	1.65E+00	1.43E+02	4.44E+00	4.32E-01	1.50E+02	1.60E+00	6.06E-04	4.44E-01	8.45E-02	2.13E+00	1.79E+00	1.43E+02	4.44E+00	4.32E-01	1.50E+02
5821	490224.39	3859692.83	22.4276	13.8167	40.823	7.49772	1.71E+00	1.47E+02	4.51E+00	4.29E-01	1.54E+02	1.66E+00	6.23E-04	4.51E-01	8.39E-02	2.20E+00	1.86E+00	1.47E+02	4.51E+00	4.29E-01	1.54E+02
5822	490135.65	3859659.22	23.15	14.2342	41.358	7.36921	1.76E+00	1.52E+02	4.57E+00	4.21E-01	1.59E+02	1.71E+00	6.42E-04	4.57E-01	8.25E-02	2.25E+00	1.92E+00	1.52E+02	4.57E+00	4.21E-01	1.59E+02
5823	489918.19	3859559.23	25.241	15.0211	42.285	6.59772	1.92E+00	1.60E+02	4.68E+00	3.77E-01	1.67E+02	1.87E+00	6.77E-04	4.68E-01	7.39E-02	2.41E+00	2.10E+00	1.60E+02	4.68E+00	3.77E-01	1.67E+02
5824	489743.61	3859486	26.6106	16.2127	41.622	6.84418	2.03E+00	1.73E+02	4.60E+00	3.91E-01	1.80E+02	1.97E+00	7.31E-04	4.60E-01	7.66E-02	2.51E+00	2.21E+00	1.73E+02	4.60E+00	3.91E-01	1.80E+02
5825	489660.32	3859440.27	27.0548	16.8315	41.462	6.85914	2.06E+00	1.80E+02	4.58E+00	3.92E-01	1.87E+02	2.00E+00	7.59E-04	4.58E-01	7.68E-02	2.54E+00	2.25E+00	1.80E+02	4.58E+00	3.92E-01	1.87E+02
5826	489577.04	3859394.53	27.3973	17.4061	41.139	6.62444	2.09E+00	1.86E+02	4.55E+00	3.79E-01	1.93E+02	2.03E+00	7.85E-04	4.55E-01	7.42E-02	2.56E+00	2.27E+00	1.86E+02	4.55E+00	3.79E-01	1.93E+02
5827	489493.75	3859348.8	27.5758	18.0826	40.559	6.44192	2.10E+00	1.93E+02	4.48E+00	3.68E-01	2.00E+02	2.04E+00	8.15E-04	4.48E-01	7.21E-02	2.56E+00	2.29E+00	1.93E+02	4.48E+00	3.68E-01	2.00E+02
5828	489321.28	3859240.02	28.0299	19.4094	39.717	7.93853	2.14E+00	2.07E+02	4.39E+00	4.54E-01	2.14E+02	2.08E+00	8.75E-04	4.39E-01	8.89E-02	2.60E+00	2.33E+00	2.07E+02	4.39E+00	4.54E-01	2.14E+02
5829	489235.41	3859193.96	29.4932	19.7743	38.278	7.59451	2.25E+00	2.11E+02	4.23E+00	4.34E-01	2.18E+02	2.18E+00	8.91E-04	4.23E-01	8.50E-02	2.69E+00	2.45E+00	2.11E+02	4.23E+00	4.34E-01	2.18E+02
5830	489149.54	3859147.89	31.0216	21.0937	36.175	7.37259	2.36E+00	2.25E+02	4.00E+00	4.22E-01	2.32E+02	2.30E+00	9.51E-04	4.00E-01	8.25E-02	2.78E+00	2.58E+00	2.25E+02	4.00E+00	4.22E-01	2.32E+02
5831	489063.68	3859101.82	32.5635	22.0256	33.986	7.9419	2.48E+00	2.35E+02	3.76E+00	4.54E-01	2.42E+02	2.41E+00	9.93E-04	3.76E-01	8.89E-02	2.88E+00	2.70E+00	2.35E+02	3.76E+00	4.54E-01	2.42E+02
5832	488977.81	3859055.75	33.9454	22.8399	35.924	11.04527	2.59E+00	2.44E+02	3.97E+00	6.32E-01	2.51E+02	2.51E+00	1.03E-03	3.97E-01	1.24E-01	3.03E+00	2.82E+00	2.44E+02	3.97E+00	6.32E-01	2.51E+02
5833	488891.94	3859009.69	34.9008	24.4763	37.14	13.21597	2.66E+00	2.61E+02	4.11E+00	7.56E-01	2.69E+02	2.58E+00	1.10E-03	4.11E-01	1.48E-01	3.14E+00	2.90E+00	2.61E+02	4.11E+00	7.56E-01	2.69E+02
5834	488808	3859060.73	32.9585	27.5295	41.911	13.42538	2.51E+00	2.94E+02	4.63E+00	7.68E-01	3.02E+02	2.44E+00	1.24E-03	4.63E-01	1.50E-01	3.05E+00	2.74E+00	2.94E+02	4.63E+00	7.68E-01	3.02E+02
5835	488809.93	3859157.85	32.263	30.1549	42.404	13.80212	2.46E+00	3.22E+02	4.69E+00	7.89E-01	3.30E+02	2.39E+00	1.36E-03	4.69E-01	1.55E-01	3.01E+00	2.68E+00	3.22E+02	4.69E+00	7.89E-01	3.30E+02
5836	488811.86	3859254.96	31.5365	33.4488	41.001	13.53285	2.40E+00	3.57E+02	4.53E+00	7.74E-01	3.65E+02	2.33E+00	1.51E-03	4.53E-01	1.51E-01	2.94E+00	2.62E+00	3.57E+02	4.53E+00	7.74E-01	3.65E+02
5837	488813.78	3859352.07	30.0872	35.9105	38.31	12.43737	2.29E+00	3.83E+02	4.24E+00	7.11E-01	3.90E+02	2.23E+00	1.62E-03	4.24E-01	1.39E-01	2.79E+00	2.50E+00	3.83E+02	4.24E+00	7.11E-01	3.91E+02
5838	488815.71	3859449.19	28.0087	38.5588	34.949	10.76022	2.13E+00	4.11E+02	3.86E+00	6.15E-01	4.18E+02	2.07E+00	1.74E-03	3.86E-01	1.20E-01	2.58E+00	2.33E+00	4.11E+02	3.86E+00	6.15E-01	4.18E+02
5839	488910.04	3859547.11	27.1275	35.5168	35.677	11.77268	2.07E+00	3.79E+02	3.94E+00	6.73E-01	3.86E+02	2.01E+00	1.60E-03	3.94E-01	1.32E-01	2.54E+00	2.25E+00	3.79E+02	3.94E+00	6.73E-01	3.86E+02
5840	489002.45	3859547.91	28.0264	31.9345	37.767	10.98775	2.14E+00	3.41E+02	4.18E+00	6.28E-01	3.48E+02	2.07E+00	1.44E-03	4.18E-01	1.23E-01	2.62E+00	2.33E+00	3.41E+02	4.18E+00	6.28E-01	3.48E+02
5841	489094.85	3859548.72	28.2242	29.1327	37.28	9.86391	2.15E+00	3.11E+02	4.12E+00	5.64E-01	3.18E+02	2.09E+00	1.31E-03	4.12E-01	1.10E-01	2.61E+00	2.34E+00	3.11E+02	4.12E+00	5.64E-01	3.18E+02
5842	489230.05	3859601.87	27.234	26.865	33.98	9.05968	2.08E+00	2.87E+02	3.76E+00	5.18E-01	2.93E+02	2.02E+00	1.21E-03	3.76E-01	1.01E-01	2.49E+00	2.26E+00	2.87E+02	3.76E+00	5.18E-01	2.93E+02
5843	489227.52	3859680.89	26.8767	27.7241	34.657	8.28627	2.05E+00	2.96E+02	3.83E+00	4.74E-01	3.02E+02	1.99E+00	1.25E-03	3.83E-01	9.28E-02	2.47E+00	2.23E+00	2.96E+02	3.83E+00	4.74E-01	3.02E+02
5844	489133.47	3859760.29	25.6152	29.2852	35.391	10.03337	1.95E+00	3.13E+02	3.91E+00	5.74E-01	3.19E+02	1.90E+00	1.32E-03	3.91E-01	1.12E-01	2.40E+00	2.13E+00	3.13E+02	3.91E+00	5.74E-01	3.19E+02
5845	489041.96	3859760.67	24.1591	29.1521	33.789	10.99704	1.84E+00	3.11E+02	3.74E+00	6.29E-01	3.17E+02	1.79E+00	1.31E-03	3.74E-01	1.23E-01	2.29E+00	2.01E+00	3.11E+02	3.74E+00	6.29E-01	3.17E+02
5846	488950.45	3859761.05	25.7037	28.29	32.817	12.20172	1.96E+00	3.02E+02	3.63E+00	6.98E-01	3.08E+02	1.90E+00	1.28E-03	3.63E-01	1.37E-01	2.40E+00	2.13E+00	3.02E+02	3.63E+00	6.98E-01	3.08E+02
5847	488858.94	3859761.43	26.3142	27.4836	35.7	15.58778	2.01E+00	2.93E+02	3.95E+00	8.91E-01	3.00E+02	1.95E+00	1.24E-03	3.95E-01	1.74E-01	2.52E+00	2.18E+00	2.93E+02	3.95E+00	8.91E-01	3.00E+02
5848	488767.43	3859761.82	26.4662	27.4064	31.446	20.32732	2.02E+00	2.92E+02	3.48E+00	1.16E+00	2.99E+02	1.96E+00	1.24E-03	3.48E-01	2.28E-01	2.54E+00	2.20E+00	2.92E+02	3.48E+00	1.16E+00	2.99E+02
5849	488675.92	3859762.2	25.3125	27.6743	22.375	26.73536	1.93E+00	2.95E+02	2.47E+00	1.53E+00	3.01E+02	1.87E+00	1.25E-03	2.47E-01	2.99E-01	2.42E+00	2.10E+00	2.95E+02	2.47E+00	1.53E+00	3.01E+02
5850	488584.41	3859762.58	23.5749	29.7556	20.034	32.68742	1.80E+00	3.18E+02	2.22E+00	1.87E+00	3.23E+02	1.75E+00	1.34E-03	2.22E-01	3.66E-01	2.33E+00	1.96E+00	3.18E+02	2.22E+00	1.87E+00	3.24E+02
5851	488492.9	3859762.96	27.9787	33.2766	26.203	29.0026	2.13E+00	3.55E+02	2.90E+00	1.66E+00	3.62E+02	2.07E+00	1.50E-03	2.90E-01	3.25E-01	2.69E+00	2.32E+00	3.55E+02	2.90E+00	1.66E+00	3.62E+02
5852	488402.76	3859830.95	32.2269	38.7336	27.664	41.30876	2.46E+00	4.13E+02	3.06E+00	2.36E+00	4.21E+02	2.39E+00	1.75E-03	3.06E-01	4.62E-01	3.16E+00	2.68E+00	4.13E+02	3.06E+00	2.36E+00	4.21E+02

5853	488404.14	3859898.55	32.4391	39.0841	28.247	35.23212	2.47E+00	4.17E+02	3.12E+00	2.01E+00	4.25E+02	2.40E+00	1.76E-03	3.12E-01	3.94E-01	3.11E+00	2.69E+00	4.17E+02	3.12E+00	2.01E+00	4.25E+02
5854	488505.18	3859964.96	30.5018	33.1575	29.133	32.68404	2.32E+00	3.54E+02	3.22E+00	1.87E+00	3.61E+02	2.26E+00	1.49E-03	3.22E-01	3.66E-01	2.95E+00	2.53E+00	3.54E+02	3.22E+00	1.87E+00	3.61E+02
5855	488604.85	3859963.76	27.084	30.0073	25.027	25.76881	2.06E+00	3.20E+02	2.77E+00	1.47E+00	3.27E+02	2.01E+00	1.35E-03	2.77E-01	2.88E-01	2.57E+00	2.25E+00	3.20E+02	2.77E+00	1.47E+00	3.27E+02
5856	488704.51	3859962.56	22.6562	27.7603	17.82	21.32056	1.73E+00	2.96E+02	1.97E+00	1.22E+00	3.01E+02	1.68E+00	1.25E-03	1.97E-01	2.39E-01	2.11E+00	1.88E+00	2.96E+02	1.97E+00	1.22E+00	3.01E+02
5857	488804.18	3859961.37	23.3882	26.0935	27.604	23.95084	1.78E+00	2.78E+02	3.05E+00	1.37E+00	2.85E+02	1.73E+00	1.18E-03	3.05E-01	2.68E-01	2.31E+00	1.94E+00	2.78E+02	3.05E+00	1.37E+00	2.85E+02
5858	488903.85	3859960.17	24.9042	24.2758	34.059	28.86915	1.90E+00	2.59E+02	3.77E+00	1.65E+00	2.66E+02	1.84E+00	1.09E-03	3.77E-01	3.23E-01	2.54E+00	2.07E+00	2.59E+02	3.77E+00	1.65E+00	2.67E+02
5859	489003.52	3859958.97	24.9164	23.5247	34.011	27.54864	1.90E+00	2.51E+02	3.76E+00	1.58E+00	2.58E+02	1.84E+00	1.06E-03	3.76E-01	3.08E-01	2.53E+00	2.07E+00	2.51E+02	3.76E+00	1.58E+00	2.58E+02
5860	489103.18	3859957.77	24.2561	23.4956	31.058	23.20358	1.85E+00	2.51E+02	3.43E+00	1.33E+00	2.57E+02	1.80E+00	1.06E-03	3.43E-01	2.60E-01	2.40E+00	2.01E+00	2.51E+02	3.43E+00	1.33E+00	2.58E+02
5861	489201.48	3860046.59	23.4337	22.2274	33.148	21.94824	1.79E+00	2.37E+02	3.66E+00	1.26E+00	2.44E+02	1.73E+00	1.00E-03	3.66E-01	2.46E-01	2.35E+00	1.95E+00	2.37E+02	3.66E+00	1.26E+00	2.44E+02
5862	489200.11	3860136.61	23.1546	21.2876	32.583	14.23817	1.76E+00	2.27E+02	3.60E+00	8.14E-01	2.33E+02	1.71E+00	9.60E-04	3.60E-01	1.59E-01	2.23E+00	1.92E+00	2.27E+02	3.60E+00	8.14E-01	2.34E+02
5863	489198.74	3860226.63	23.1367	21.7093	31.499	15.81681	1.76E+00	2.32E+02	3.48E+00	9.04E-01	2.38E+02	1.71E+00	9.79E-04	3.48E-01	1.77E-01	2.24E+00	1.92E+00	2.32E+02	3.48E+00	9.04E-01	2.38E+02
5864	489197.38	3860316.66	22.4856	26.9618	30.521	19.52332	1.71E+00	2.88E+02	3.37E+00	1.12E+00	2.94E+02	1.66E+00	1.22E-03	3.37E-01	2.19E-01	2.22E+00	1.87E+00	2.88E+02	3.37E+00	1.12E+00	2.94E+02
5865	489196.01	3860406.68	21.3076	32.6213	31.117	19.8454	1.62E+00	3.48E+02	3.44E+00	1.13E+00	3.54E+02	1.58E+00	1.47E-03	3.44E-01	2.22E-01	2.15E+00	1.77E+00	3.48E+02	3.44E+00	1.13E+00	3.54E+02
5866	489194.64	3860496.7	19.6005	36.4858	30.574	21.24187	1.49E+00	3.89E+02	3.38E+00	1.21E+00	3.95E+02	1.45E+00	1.64E-03	3.38E-01	2.38E-01	2.03E+00	1.63E+00	3.89E+02	3.38E+00	1.21E+00	3.96E+02
5867	489193.27	3860586.72	18.5424	38.8056	29.714	20.08095	1.41E+00	4.14E+02	3.29E+00	1.15E+00	4.20E+02	1.37E+00	1.75E-03	3.29E-01	2.25E-01	1.93E+00	1.54E+00	4.14E+02	3.29E+00	1.15E+00	4.20E+02
5868	489092.02	3860678.13	21.3543	35.9407	24.33	24.53415	1.63E+00	3.84E+02	2.69E+00	1.40E+00	3.89E+02	1.58E+00	1.62E-03	2.69E-01	2.75E-01	2.13E+00	1.77E+00	3.84E+02	2.69E+00	1.40E+00	3.89E+02
5869	488992.13	3860679.53	24.2905	36.5963	18.429	24.36893	1.85E+00	3.91E+02	2.04E+00	1.39E+00	3.96E+02	1.80E+00	1.65E-03	2.04E-01	2.73E-01	2.28E+00	2.02E+00	3.91E+02	2.04E+00	1.39E+00	3.96E+02
5870	488892.25	3860680.92	26.4211	36.6761	19.138	17.9875	2.01E+00	3.91E+02	2.12E+00	1.03E+00	3.97E+02	1.96E+00	1.65E-03	2.12E-01	2.01E-01	2.37E+00	2.19E+00	3.91E+02	2.12E+00	1.03E+00	3.97E+02
5871	488792.36	3860682.31	27.5004	38.071	26.32	15.18873	2.10E+00	4.06E+02	2.91E+00	8.69E-01	4.12E+02	2.04E+00	1.72E-03	2.91E-01	1.70E-01	2.50E+00	2.28E+00	4.06E+02	2.91E+00	8.69E-01	4.12E+02
5872	488692.48	3860683.7	27.5889	39.2839	30.671	17.14567	2.10E+00	4.19E+02	3.39E+00	9.80E-01	4.26E+02	2.04E+00	1.77E-03	3.39E-01	1.92E-01	2.58E+00	2.29E+00	4.19E+02	3.39E+00	9.80E-01	4.26E+02
5873	488592.59	3860685.1	26.6178	39.5982	29.771	32.2803	2.03E+00	4.23E+02	3.29E+00	1.85E+00	4.30E+02	1.97E+00	1.79E-03	3.29E-01	3.61E-01	2.66E+00	2.21E+00	4.23E+02	3.29E+00	1.85E+00	4.30E+02
5874	488492.71	3860686.49	25.0942	41.2239	26.538	29.4222	1.91E+00	4.40E+02	2.93E+00	1.68E+00	4.46E+02	1.86E+00	1.86E-03	2.93E-01	3.29E-01	2.48E+00	2.08E+00	4.40E+02	2.93E+00	1.68E+00	4.47E+02
5875	488299.07	3860762.18	19.317	40.1752	29.238	9.18644	1.47E+00	4.29E+02	3.23E+00	5.25E-01	4.34E+02	1.43E+00	1.81E-03	3.23E-01	1.03E-01	1.86E+00	1.60E+00	4.29E+02	3.23E+00	5.25E-01	4.34E+02
5876	488205.32	3860764.09	16.5511	39.1323	29.083	5.14509	1.26E+00	4.18E+02	3.22E+00	2.94E-01	4.22E+02	1.23E+00	1.76E-03	3.22E-01	5.76E-02	1.61E+00	1.37E+00	4.18E+02	3.22E+00	2.94E-01	4.22E+02
5877	488111.56	3860766	13.7931	36.5135	36.501	7.54996	1.05E+00	3.90E+02	4.04E+00	4.32E-01	3.95E+02	1.02E+00	1.65E-03	4.04E-01	8.45E-02	1.51E+00	1.15E+00	3.90E+02	4.04E+00	4.32E-01	3.95E+02
5878	488017.81	3860767.91	13.6373	32.5965	43.339	10.87489	1.04E+00	3.48E+02	4.79E+00	6.22E-01	3.54E+02	1.01E+00	1.47E-03	4.79E-01	1.22E-01	1.61E+00	1.13E+00	3.48E+02	4.79E+00	6.22E-01	3.54E+02
5879	487924.06	3860769.81	13.6837	27.7119	48.86	14.95285	1.04E+00	2.96E+02	5.40E+00	8.55E-01	3.03E+02	1.01E+00	1.25E-03	5.40E-01	1.67E-01	1.72E+00	1.14E+00	2.96E+02	5.40E+00	8.55E-01	3.03E+02
5880	487830.31	3860771.72	13.4968	21.9044	52.28	17.57412	1.03E+00	2.34E+02	5.78E+00	1.00E+00	2.42E+02	9.99E-01	9.87E-04	5.78E-01	1.97E-01	1.77E+00	1.12E+00	2.34E+02	5.78E+00	1.00E+00	2.42E+02
5881	487736.55	3860773.63	13.1277	19.6865	53.131	15.45535	1.00E+00	2.10E+02	5.87E+00	8.84E-01	2.18E+02	9.72E-01	8.87E-04	5.87E-01	1.73E-01	1.73E+00	1.09E+00	2.10E+02	5.87E+00	8.84E-01	2.18E+02
5882	487642.8	3860775.54	12.7364	20.2715	51.456	13.19354	9.71E-01	2.16E+02	5.69E+00	7.54E-01	2.24E+02	9.43E-01	9.14E-04	5.69E-01	1.48E-01	1.66E+00	1.06E+00	2.16E+02	5.69E+00	7.54E-01	2.24E+02
5883	487549.48	3860684.71	12.9416	20.0453	46.832	14.33841	9.86E-01	2.14E+02	5.18E+00	8.20E-01	2.21E+02	9.58E-01	9.04E-04	5.18E-01	1.61E-01	1.64E+00	1.07E+00	2.14E+02	5.18E+00	8.20E-01	2.21E+02
5884	487549.91	3860591.97	13.1133	22.0502	45.804	10.08743	1.00E+00	2.35E+02	5.06E+00	5.77E-01	2.42E+02	9.71E-01	9.94E-04	5.06E-01	1.13E-01	1.59E+00	1.09E+00	2.35E+02	5.06E+00	5.77E-01	2.42E+02
5885	487550.34	3860499.23	13.3835	21.9342	44.902	7.72376	1.02E+00	2.34E+02	4.96E+00	4.42E-01	2.41E+02	9.91E-01	9.89E-04	4.96E-01	8.65E-02	1.57E+00	1.11E+00	2.34E+02	4.96E+00	4.42E-01	2.41E+02
5886	487550.76	3860406.49	13.8619	21.6831	43.777	6.30147	1.06E+00	2.31E+02	4.84E+00	3.60E-01	2.38E+02	1.03E+00	9.77E-04	4.84E-01	7.05E-02	1.58E+00	1.15E+00	2.31E+02	4.84E+00	3.60E-01	2.38E+02
5887	487551.19	3860313.75	14.2989	23.3794	41.129	11.88911	1.09E+00	2.49E+02	4.55E+00	6.80E-01	2.56E+02	1.06E+00	1.05E-03	4.55E-01	1.33E-01	1.65E+00	1.19E+00	2.49E+02	4.55E+00	6.80E-01	2.56E+02
5888	487551.62	3860221.01	14.7405	25.0154	38.095	13.16221	1.12E+00	2.67E+02	4.21E+00	7.53E-01	2.73E+02	1.09E+00	1.13E-03	4.21E-01	1.47E-01	1.66E+00	1.22E+00	2.67E+02	4.21E+00	7.53E-01	2.73E+02
5889	487552.05	3860128.27	15.2452	26.7489	35.017	8.19794	1.16E+00	2.85E+02	3.87E+00	4.69E-01	2.91E+02	1.13E+00	1.21E-03	3.87E-01	9.18E-02	1.61E+00	1.27E+00	2.85E+02	3.87E+00	4.69E-01	2.91E+02
5890	487552.48	3860035.53	15.7186	28.4421	31.478	12.05517	1.20E+00	3.04E+02	3.48E+00	6.89E-01	3.09E+02	1.16E+00	1.28E-03	3.48E-01	1.35E-01	1.65E+00	1.30E+00	3.04E+02	3.48E+00	6.89E-01	3.09E+02
5891	487552.91	3859942.79	16.0795	29.987	27.251	11.51944	1.23E+00	3.20E+02	3.01E+00	6.59E-01	3.25E+02	1.19E+00	1.35E-03	3.01E-01	1.29E-01	1.62E+00	1.33E+00	3.20E+02	3.01E+00	6.59E-01	3.25E+02
5892	487553.33	3859850.05	16.544	31.9497	23.265	12.36968	1.26E+00	3.41E+02	2.57E+00	7.07E-01	3.45E+02	1.22E+00	1.44E-03	2.57E-01	1.38E-01	1.62E+00	1.37E+00	3.41E+02	2.57E+00	7.07E-01	3.46E+02
5893	487553.76	3859757.31	17.9894	33.8023	19.704	31.51333	1.37E+00	3.61E+02	2.18E+00	1.80E+00	3.66E+02	1.33E+00	1.52E-03	2.18E-01	3.53E-01	1.90E+00	1.49E+00	3.61E+02	2.18E+00	1.80E+00	3.66E+02
5894	487554.19	3859664.57	20.3961	35.0398	20.176	39.81289	1.55E+00	3.74E+02	2.23E+00	2.28E+00	3.80E+02	1.51E+00	1.58E-03	2.23E-01	4.46E-01	2.18E+00	1.69E+00	3.74E+02	2.23E+00	2.28E+00	3.80E+02
5895	487460.2	3859571.05	19.2862	42.613	18.321	33.05571	1.47E+00	4.55E+02	2.03E+00	1.89E+00	4.60E+02	1.43E+00	1.92E-03	2.03E-01	3.70E-01	2.00E+00	1.60E+00	4.55E+02	2.03E+00	1.89E+00	4.60E+02
5896	487365.78	3859570.27	17.2444	43.8785	16.13	30.89586	1.31E+00	4.68E+02	1.78E+00	1.77E+00	4.73E+02	1.28E+00	1.98E-03	1.78E-01	3.46E-01	1.80E+00	1.43E+00	4.68E+02	1.78E+00	1.77E+00	4.73E+02
5897	487271.36	3859569.48	16.7476	43.9264	17.343	28.23093	1.28E+00	4.69E+02	1.92E+00	1.61E+00	4.74E+02	1.24E+00	1.98E-03	1.92E-01	3.16E-01	1.75E+00	1.39E+00	4.69E+02	1.92E+00	1.61E+00	4.74E+02
5898	487176.94	3859568.7	16.1143	43.3537	17.887	28.904	1.23E+00	4.63E+02	1.98E+00	1.65E+00	4.68E+02	1.19E+00	1.95E-03	1.98E-01	3.24E-01	1.72E+00	1.34E+00	4.63E+02	1.98E+00	1.65E+00	4.68E+02
5899	487082.51	3859567.92	15.4962	42.1608	17.374	29.38424	1.18E+00	4.50E+02	1.92E+00	1.68E+00	4.55E+02	1.15E+00	1.90E-03	1.92E-01	3.29E-01	1.67E+00	1.29E+00	4.50E+02	1.92E+00	1.68E+00	4.55E+02
5900	486988.09	3859567.14	15.1624	40.0423	26.384	29.46348	1.16E+00	4.27E+02	2.92E+00	1.68E+00	4.33E+02	1.12E+00	1.81E-03	2.92E-01	3.30E-01	1.75E+00	1.26E+00	4.27E+02	2.92E+00	1.68E+00	4.33E+02
5901	486893.67	3859566.36	14.7929	36.4416	32.499	29.2196	1.13E+00	3.89E+02	3.59E+00	1.67E+00	3.95E+02	1.10E+00	1.64E-03	3.59E-01	3.27E-01	1.78E+00	1.23E+00	3.89E+02	3.59E+00	1.67E+00	3.95E+02
5902	486799.25	3859565.58	14.3447	27.1382	33.426	28.70858	1.09E+00	2.90E+02	3.70E+00	1.64E+00	2.96E+02	1.06E+00	1.22E-03	3.70E-01	3.21E-01	1.75E+00	1.19E+00	2.90E+02	3.70E+00	1.64E+00	2.96E+02
5903	486704.83	3859564.79	13.783	19.0569	29.483	28.01002	1.05E+00	2.03E+02	3.26E+00	1.60E+00	2.09E+02	1.02E+00	8.59E-04	3.26E-01	3.14E-01	1.66E+00	1.14E+00	2.03E+02	3.26E+00	1.60E+00	2.09E+02
5904	486610.41	3859564.01	13.067	18.6661	29.337	27.18596	9.96E-01	1.99E+02	3.24E+00	1.55E+00	2.05E+02	9.67E-01	8.41E-04	3.24E-01	3.04E-01	1.60E+00	1.08E+00	1.99E+02	3.24E+00	1.55E+00	2.05E+02
5905	486515.99	3859563.23	12.3456	18.6454	31.457	26.23266	9.41E-01	1.99E+02	3.48E+00	1.50E+00	2.05E+02	9.14E-01	8.41E-04	3.48E-01	2.94E-01	1.56E+00	1.02E+00	1.99E+02	3.48E+00	1.50E+00	2.05E+02
5906	486421.57	3859562.45	12.0031	18.5515	33.235	25.27986	9.15E-01	1.98E+02	3.67E+00	1.45E+00	2.04E+02	8.89E-01	8.36E-04	3.67E-01	2.83E-01	1.54E+00	9.97E-01	1.98E+02	3.67E+00	1.45E+00	2.04E+02
5907	486327.14	3859561.67	11.5727	18.3686	34.43	24.34134	8.82E-01	1.96E+02	3.81E+00	1.39E+00	2.02E+02	8.57E-01	8.28E-04	3.81E-01	2.72E-01	1.51E+00	9.61E-01	1.96E+02	3.81E+00	1.39E+00	2.02E+02
5908	486232.72	3859560.89	11.2254	17.9774	34.674	23.32827	8.56E-01	1.92E+02	3.83E+00	1.33E+00	1.98E+02	8.31E-01	8.10E-04	3.83E-01	2.61E-01	1.48E+00	9.32E-01	1.92E+02	3.83E+00	1.33E+00	1.98E+02
5909	486138.3	3859560.1	11.0953	17.5659	34.126	22.3327	8.46E-01	1.87E+02	3.77E+00	1.28E+00	1.93E+02	8.21E-01	7.92E-04	3.77E-01	2.50E-01	1.45E+00	9.21E-01	1.87E+02	3.77E+00	1.28E+00	1.93E+02
5910	486043.88	3859559.32	10.9471	17.1105	32.88	21.3387	8.34E-01	1.83E+02	3.64E+00	1.22E+00	1.88E+02	8.10E-01	7.71E-04	3.64E-01	2.39E-01	1.41E+00	9.09E-01	1.83E+02	3.64E+00	1.22E+00	1.88E+02
5911	485949.35	3859463.54	10.9929	17.7402	34.929	22.75031	8.38E-01	1.89E+02	3.86E+00	1.30E+00	1.95E+02	8.14E-01	8.00E-04	3.86E-01	2.55E-01	1.46E+00	9.13E-01	1.89E+02	3.86E+00	1.30E+00	1.95E+02
5912	485949.24	3859368.55	11.2003	18.2288	33.087	20.43715	8.54E-01	1.95E+02	3.66E+00	1.17E+00	2.00E+02	8.29E-01	8.22E-04	3.66E-01	2.29E-01	1.42E+00	9.30E-01	1.95E+02	3.66E+00	1.17E+00	2.00E+02
5913	485949.12	3859273.55	11.4268	18.6107	31.772	18.3914	8.71E-01	1.99E+02	3.51E+00	1.05E+00	2.04E+02	8.46E-01	8.39E-04	3.51E-01	2.06E-01	1.40E+00	9.49E-01	1.99E+02	3.51E+00	1.05E+00	2.04E+02

5914	485949.01	3859178.56	11.6526	19.2829	39.347	19.88319	8.88E-01	2.06E+02	4.35E+00	1.14E+00	2.12E+02	8.63E-01	8.69E-04	4.35E-01	2.23E-01	1.52E+00	9.67E-01	2.06E+02	4.35E+00	1.14E+00	2.12E+02
5915	485948.9	3859083.56	11.9154	20.9415	46.136	16.76784	9.08E-01	2.23E+02	5.10E+00	9.59E-01	2.30E+02	8.82E-01	9.44E-04	5.10E-01	1.88E-01	1.58E+00	9.89E-01	2.23E+02	5.10E+00	9.59E-01	2.31E+02
5916	485948.79	3858988.56	12.1543	24.0508	50.523	14.32284	9.26E-01	2.57E+02	5.59E+00	8.19E-01	2.64E+02	9.00E-01	1.08E-03	5.59E-01	1.60E-01	1.62E+00	1.01E+00	2.57E+02	5.59E+00	8.19E-01	2.64E+02
5917	485948.67	3858893.57	12.3942	25.5853	51.383	12.82944	9.45E-01	2.73E+02	5.68E+00	7.34E-01	2.80E+02	9.18E-01	1.15E-03	5.68E-01	1.44E-01	1.63E+00	1.03E+00	2.73E+02	5.68E+00	7.34E-01	2.80E+02
5918	485948.56	3858798.57	12.6988	25.6142	48.457	12.04575	9.68E-01	2.73E+02	5.36E+00	6.89E-01	2.80E+02	9.40E-01	1.15E-03	5.36E-01	1.35E-01	1.61E+00	1.05E+00	2.73E+02	5.36E+00	6.89E-01	2.80E+02
5919	485948.45	3858703.58	12.9184	26.8259	41.8	10.54803	9.85E-01	2.86E+02	4.62E+00	6.03E-01	2.92E+02	9.56E-01	1.21E-03	4.62E-01	1.18E-01	1.54E+00	1.07E+00	2.86E+02	4.62E+00	6.03E-01	2.93E+02
5920	485948.34	3858608.58	13.2271	27.8105	45.116	13.08348	1.01E+00	2.97E+02	4.99E+00	7.48E-01	3.04E+02	9.79E-01	1.25E-03	4.99E-01	1.46E-01	1.63E+00	1.10E+00	2.97E+02	4.99E+00	7.48E-01	3.04E+02
5921	485948.22	3858513.59	13.597	27.7245	49.004	12.51313	1.04E+00	2.96E+02	5.42E+00	7.16E-01	3.03E+02	1.01E+00	1.25E-03	5.42E-01	1.40E-01	1.69E+00	1.13E+00	2.96E+02	5.42E+00	7.16E-01	3.03E+02
5922	485948.11	3858418.59	14.0948	27.0762	48.752	15.87992	1.07E+00	2.89E+02	5.39E+00	9.08E-01	2.96E+02	1.04E+00	1.22E-03	5.39E-01	1.78E-01	1.76E+00	1.17E+00	2.89E+02	5.39E+00	9.08E-01	2.96E+02
5923	485948	3858323.59	14.6562	26.8394	44.503	13.19419	1.12E+00	2.86E+02	4.92E+00	7.54E-01	2.93E+02	1.09E+00	1.21E-03	4.92E-01	1.48E-01	1.73E+00	1.22E+00	2.86E+02	4.92E+00	7.54E-01	2.93E+02
5924	485947.89	3858228.6	15.1476	27.8602	36.969	8.89451	1.15E+00	2.97E+02	4.09E+00	5.09E-01	3.03E+02	1.12E+00	1.26E-03	4.09E-01	9.96E-02	1.63E+00	1.26E+00	2.97E+02	4.09E+00	5.09E-01	3.03E+02
5925	485947.77	3858133.6	15.6384	30.028	43.572	8.14745	1.19E+00	3.20E+02	4.82E+00	4.66E-01	3.27E+02	1.16E+00	1.35E-03	4.82E-01	9.12E-02	1.73E+00	1.30E+00	3.20E+02	4.82E+00	4.66E-01	3.27E+02
5926	485947.66	3858038.61	16.6742	31.8979	54.525	7.62652	1.27E+00	3.40E+02	6.03E+00	4.36E-01	3.48E+02	1.23E+00	1.44E-03	6.03E-01	8.54E-02	1.92E+00	1.38E+00	3.40E+02	6.03E+00	4.36E-01	3.48E+02
5927	485854.54	3857943.35	16.1885	29.3379	59.169	7.76939	1.23E+00	3.13E+02	6.54E+00	4.44E-01	3.21E+02	1.20E+00	1.32E-03	6.54E-01	8.70E-02	1.94E+00	1.34E+00	3.13E+02	6.54E+00	4.44E-01	3.21E+02
5928	485761.52	3857943.09	15.3469	26.2825	57.911	10.63262	1.17E+00	2.80E+02	6.40E+00	6.08E-01	2.89E+02	1.14E+00	1.18E-03	6.40E-01	1.19E-01	1.90E+00	1.27E+00	2.80E+02	6.40E+00	6.08E-01	2.89E+02
5929	485668.51	3857942.83	14.9355	23.5761	56.816	12.26132	1.14E+00	2.52E+02	6.28E+00	7.01E-01	2.60E+02	1.11E+00	1.06E-03	6.28E-01	1.37E-01	1.87E+00	1.24E+00	2.52E+02	6.28E+00	7.01E-01	2.60E+02
5930	485575.5	3857942.56	14.5871	22.1533	55.577	11.23965	1.11E+00	2.36E+02	6.14E+00	6.43E-01	2.44E+02	1.08E+00	9.99E-04	6.14E-01	1.26E-01	1.82E+00	1.21E+00	2.36E+02	6.14E+00	6.43E-01	2.44E+02
5931	485482.48	3857942.3	14.3165	21.0246	54.511	8.9999	1.09E+00	2.24E+02	6.03E+00	5.15E-01	2.32E+02	1.06E+00	9.48E-04	6.03E-01	1.01E-01	1.76E+00	1.19E+00	2.24E+02	6.03E+00	5.15E-01	2.32E+02
5932	485389.47	3857942.04	14.0493	21.2589	53.447	7.72654	1.07E+00	2.27E+02	5.91E+00	4.42E-01	2.34E+02	1.04E+00	9.58E-04	5.91E-01	8.65E-02	1.72E+00	1.17E+00	2.27E+02	5.91E+00	4.42E-01	2.34E+02
5933	485296.46	3857941.78	13.7928	21.0557	52.416	8.33372	1.05E+00	2.25E+02	5.80E+00	4.77E-01	2.32E+02	1.02E+00	9.49E-04	5.80E-01	9.33E-02	1.69E+00	1.15E+00	2.25E+02	5.80E+00	4.77E-01	2.32E+02
5934	485203.45	3857941.52	13.5842	21.1039	51.531	9.63029	1.04E+00	2.25E+02	5.70E+00	5.51E-01	2.32E+02	1.01E+00	9.51E-04	5.70E-01	1.08E-01	1.68E+00	1.13E+00	2.25E+02	5.70E+00	5.51E-01	2.33E+02
5935	485110.43	3857941.26	13.3031	21.7732	50.526	9.84807	1.01E+00	2.32E+02	5.59E+00	5.63E-01	2.40E+02	9.85E-01	9.82E-04	5.59E-01	1.10E-01	1.65E+00	1.10E+00	2.32E+02	5.59E+00	5.63E-01	2.40E+02
5936	485017.42	3857940.99	12.9466	23.1161	49.498	8.1125	9.87E-01	2.47E+02	5.47E+00	4.64E-01	2.54E+02	9.58E-01	1.04E-03	5.47E-01	9.08E-02	1.60E+00	1.07E+00	2.47E+02	5.47E+00	4.64E-01	2.54E+02
5937	484924.41	3857940.73	12.4715	24.7795	48.512	4.53946	9.51E-01	2.64E+02	5.36E+00	2.60E-01	2.71E+02	9.23E-01	1.12E-03	5.36E-01	5.08E-02	1.51E+00	1.04E+00	2.64E+02	5.36E+00	2.60E-01	2.71E+02
5938	484831.39	3857940.47	11.7938	26.2257	47.625	6.86152	8.99E-01	2.80E+02	5.27E+00	3.92E-01	2.86E+02	8.73E-01	1.18E-03	5.27E-01	7.68E-02	1.48E+00	9.79E-01	2.80E+02	5.27E+00	3.92E-01	2.87E+02
5939	484738.12	3857859.3	12.4098	28.0046	48.318	10.29641	9.46E-01	2.99E+02	5.34E+00	5.89E-01	3.06E+02	9.19E-01	1.26E-03	5.34E-01	1.15E-01	1.57E+00	1.03E+00	2.99E+02	5.34E+00	5.89E-01	3.06E+02
5940	484737.85	3857778.4	12.8021	28.7717	47.749	10.66801	9.76E-01	3.07E+02	5.28E+00	6.10E-01	3.14E+02	9.48E-01	1.30E-03	5.28E-01	1.19E-01	1.60E+00	1.06E+00	3.07E+02	5.28E+00	6.10E-01	3.14E+02
5941	484737.59	3857697.49	13.0935	29.474	45.02	11.04809	9.98E-01	3.15E+02	4.98E+00	6.32E-01	3.21E+02	9.69E-01	1.33E-03	4.98E-01	1.24E-01	1.59E+00	1.09E+00	3.15E+02	4.98E+00	6.32E-01	3.21E+02
5942	484737.32	3857616.59	13.332	30.224	40.545	11.54864	1.02E+00	3.23E+02	4.48E+00	6.60E-01	3.29E+02	9.87E-01	1.36E-03	4.48E-01	1.29E-01	1.57E+00	1.11E+00	3.23E+02	4.48E+00	6.60E-01	3.29E+02
5943	484645.53	3857535.18	13.3954	33.2987	35.196	16.27868	1.02E+00	3.55E+02	3.89E+00	9.31E-01	3.61E+02	9.92E-01	1.50E-03	3.89E-01	1.82E-01	1.56E+00	1.11E+00	3.55E+02	3.89E+00	9.31E-01	3.61E+02
5944	484553.99	3857534.67	13.1669	35.0877	35.267	10.46304	1.00E+00	3.74E+02	3.90E+00	5.98E-01	3.80E+02	9.75E-01	1.58E-03	3.90E-01	1.17E-01	1.48E+00	1.09E+00	3.74E+02	3.90E+00	5.98E-01	3.80E+02
5945	484462.46	3857534.17	12.9972	36.0371	35.367	15.52615	9.91E-01	3.85E+02	3.91E+00	8.88E-01	3.90E+02	9.62E-01	1.62E-03	3.91E-01	1.74E-01	1.53E+00	1.08E+00	3.85E+02	3.91E+00	8.88E-01	3.90E+02
5946	484370.93	3857533.66	12.816	35.8726	35.412	10.53409	9.77E-01	3.83E+02	3.92E+00	6.02E-01	3.88E+02	9.49E-01	1.62E-03	3.92E-01	1.18E-01	1.46E+00	1.06E+00	3.83E+02	3.92E+00	6.02E-01	3.88E+02
5947	484279.4	3857533.16	12.6546	33.5336	35.447	7.03921	9.65E-01	3.58E+02	3.92E+00	4.03E-01	3.63E+02	9.37E-01	1.51E-03	3.92E-01	7.88E-02	1.41E+00	1.05E+00	3.58E+02	3.92E+00	4.03E-01	3.63E+02
5948	484187.86	3857532.65	12.5741	27.6903	35.43	15.26886	9.58E-01	2.96E+02	3.92E+00	8.73E-01	3.01E+02	9.31E-01	1.25E-03	3.92E-01	1.71E-01	1.49E+00	1.04E+00	2.96E+02	3.92E+00	8.73E-01	3.01E+02
5949	484096.33	3857532.15	12.5704	20.083	35.441	16.70209	9.58E-01	2.14E+02	3.92E+00	9.55E-01	2.20E+02	9.31E-01	9.05E-04	3.92E-01	1.87E-01	1.51E+00	1.04E+00	2.14E+02	3.92E+00	9.55E-01	2.20E+02
5950	484004.8	3857531.64	12.5001	16.7865	35.364	12.58441	9.53E-01	1.79E+02	3.91E+00	7.20E-01	1.85E+02	9.25E-01	7.57E-04	3.91E-01	1.41E-01	1.46E+00	1.04E+00	1.79E+02	3.91E+00	7.20E-01	1.85E+02
5951	483913.27	3857531.14	12.3683	15.588	35.201	18.39341	9.43E-01	1.66E+02	3.89E+00	1.05E+00	1.72E+02	9.16E-01	7.03E-04	3.89E-01	2.06E-01	1.51E+00	1.03E+00	1.66E+02	3.89E+00	1.05E+00	1.72E+02
5952	483821.73	3857530.63	12.2767	13.5966	35.092	21.67387	9.36E-01	1.45E+02	3.88E+00	1.24E+00	1.51E+02	9.09E-01	6.13E-04	3.88E-01	2.43E-01	1.54E+00	1.02E+00	1.45E+02	3.88E+00	1.24E+00	1.51E+02
5953	483729.61	3857450.11	12.7058	13.2622	31.192	18.41385	9.68E-01	1.42E+02	3.45E+00	1.05E+00	1.47E+02	9.41E-01	5.98E-04	3.45E-01	2.06E-01	1.49E+00	1.05E+00	1.42E+02	3.45E+00	1.05E+00	1.47E+02
5954	483729.03	3857370.08	13.705	14.7245	28.159	18.75485	1.04E+00	1.57E+02	3.11E+00	1.07E+00	1.62E+02	1.01E+00	6.64E-04	3.11E-01	2.10E-01	1.54E+00	1.14E+00	1.57E+02	3.11E+00	1.07E+00	1.62E+02
5955	483728.44	3857290.06	14.2855	17.2557	29.859	20.62682	1.09E+00	1.84E+02	3.30E+00	1.18E+00	1.90E+02	1.06E+00	7.78E-04	3.30E-01	2.31E-01	1.62E+00	1.19E+00	1.84E+02	3.30E+00	1.18E+00	1.90E+02
5956	483727.86	3857210.03	14.6518	19.1504	30.707	22.50557	1.12E+00	2.04E+02	3.40E+00	1.29E+00	2.10E+02	1.08E+00	8.63E-04	3.40E-01	2.52E-01	1.68E+00	1.22E+00	2.04E+02	3.40E+00	1.29E+00	2.10E+02
5957	483641.15	3857129.07	14.8065	18.885	30.394	15.46815	1.13E+00	2.02E+02	3.36E+00	8.85E-01	2.07E+02	1.10E+00	8.51E-04	3.36E-01	1.73E-01	1.61E+00	1.23E+00	2.02E+02	3.36E+00	8.85E-01	2.07E+02
5958	483555.03	3857128.14	14.632	17.8748	30.068	17.81914	1.12E+00	1.91E+02	3.32E+00	1.02E+00	1.96E+02	1.08E+00	8.06E-04	3.32E-01	1.99E-01	1.62E+00	1.21E+00	1.91E+02	3.32E+00	1.02E+00	1.96E+02
5959	483468.91	3857127.2	14.3474	17.483	29.623	18.42651	1.09E+00	1.87E+02	3.28E+00	1.05E+00	1.92E+02	1.06E+00	7.88E-04	3.28E-01	2.06E-01	1.60E+00	1.19E+00	1.87E+02	3.28E+00	1.05E+00	1.92E+02
5960	483382.78	3857126.26	14.2504	16.3949	29.304	17.85121	1.09E+00	1.75E+02	3.24E+00	1.02E+00	1.80E+02	1.06E+00	7.39E-04	3.24E-01	2.00E-01	1.58E+00	1.18E+00	1.75E+02	3.24E+00	1.02E+00	1.80E+02
5961	483296.66	3857125.32	14.075	15.7299	28.897	21.52877	1.07E+00	1.68E+02	3.19E+00	1.23E+00	1.73E+02	1.04E+00	7.09E-04	3.19E-01	2.41E-01	1.60E+00	1.17E+00	1.68E+02	3.19E+00	1.23E+00	1.73E+02
5962	483210.54	3857124.39	13.8678	15.2283	28.445	21.7226	1.06E+00	1.63E+02	3.14E+00	1.24E+00	1.68E+02	1.03E+00	6.86E-04	3.14E-01	2.43E-01	1.59E+00	1.15E+00	1.63E+02	3.14E+00	1.24E+00	1.68E+02
5963	483123.4	3857030.96	13.953	15.3564	28.222	15.27866	1.06E+00	1.64E+02	3.12E+00	8.74E-01	1.69E+02	1.03E+00	6.92E-04	3.12E-01	1.71E-01	1.52E+00	1.16E+00	1.64E+02	3.12E+00	8.74E-01	1.69E+02
5964	483122.38	3856938.46	14.2867	16.7073	29.586	13.76166	1.09E+00	1.78E+02	3.27E+00	7.87E-01	1.83E+02	1.06E+00	7.53E-04	3.27E-01	1.54E-01	1.54E+00	1.19E+00	1.78E+02	3.27E+00	7.87E-01	1.84E+02
5965	483121.35	3856845.97	14.6349	18.0547	31.001	7.28717	1.12E+00	1.93E+02	3.43E+00	4.17E-01	1.98E+02	1.08E+00	8.14E-04	3.43E-01	8.16E-02	1.51E+00	1.22E+00	1.93E+02	3.43E+00	4.17E-01	1.98E+02
5966	483120.33	3856753.47	14.8357	20.5359	31.137	4.65163	1.13E+00	2.19E+02	3.44E+00	2.66E-01	2.24E+02	1.10E+00	9.26E-04	3.44E-01	5.21E-02	1.50E+00	1.23E+00	2.19E+02	3.44E+00	2.66E-01	2.24E+02
5967	483119.31	3856660.98	15.0519	24.4074	30.238	5.14678	1.15E+00	2.60E+02	3.34E+00	2.94E-01	2.65E+02	1.11E+00	1.10E-03	3.34E-01	5.76E-02	1.51E+00	1.25E+00	2.60E+02	3.34E+00	2.94E-01	2.65E+02
5968	483118.29	3856568.49	15.3522	27.2339	28.5	5.40475	1.17E+00	2.91E+02	3.15E+00	3.09E-01	2.95E+02	1.14E+00	1.23E-03	3.15E-01	6.05E-02	1.51E+00	1.27E+00	2.91E+02	3.15E+00	3.09E-01	2.95E+02
5969	483117.26	3856475.99	15.7108	28.6559	27.565	4.72153	1.20E+00	3.06E+02	3.05E+00	2.70E-01	3.10E+02	1.16E+00	1.29E-03	3.05E-01	5.29E-02	1.52E+00	1.30E+00	3.06E+02	3.05E+00	2.70E-01	3.10E+02
5970	483116.24	3856383.5	16.0287	30.7805	27.056	5.13134	1.22E+00	3.28E+02	2.99E+00	2.93E-01	3.33E+02	1.19E+00	1.39E-03	2.99E-01	5.74E-02	1.54E+00	1.33E+00	3.28E+02	2.99E+00	2.93E-01	3.33E+02
5971	483115.22	3856291.01	16.3792	33.9174	28.594	10.11434	1.25E+00	3.62E+02	3.16E+00	5.78E-01	3.67E+02	1.21E+00	1.53E-03	3.16E-01	1.13E-01	1.64E+00	1.36E+00	3.62E+02	3.16E+00	5.78E-01	3.67E+02
5972	483114.2	3856198.51	17.129	36.8632	28.95	9.88136	1.31E+00	3.93E+02	3.20E+00	5.65E-01	3.98E+02	1.27E+00	1.66E-03	3.20E-01	1.11E-01	1.70E+00	1.42E+00	3.93E+02	3.20E+00	5.65E-01	3.99E+02
5973	483113.17	3856106.02	17.9367	38.0027	28.288	13.38496	1.37E+00	4.06E+02	3.13E+00	7.65E-01	4.11E+02	1.33E+00	1.71E-03	3.13E-01	1.50E-01	1.79E+00	1.49E+00	4.06E+02	3.13E+00	7.65E-01	4.11E+02
5974	483112.15	3856013.52	18.4987	38.6014	28.796	16.17414	1.41E+00	4.12E+02	3.18E+00	9.25E-01	4.17E+02	1.37E+00	1.74E-03	3.18E-01	1.81E-01	1.87E+00	1.54E+00	4.12E+02	3.18E+00	9.25E-01	4.18E+02

5975	483029.25	3855920.47	18.7509	36.2274	32.634	14.18439	1.43E+00	3.87E+02	3.61E+00	8.11E-01	3.92E+02	1.39E+00	1.63E-03	3.61E-01	1.59E-01	1.91E+00	1.56E+00	3.87E+02	3.61E+00	8.11E-01	3.93E+02
5976	482947.37	3855919.91	18.4074	34.9493	30.91	13.93783	1.40E+00	3.73E+02	3.42E+00	7.97E-01	3.79E+02	1.36E+00	1.58E-03	3.42E-01	1.56E-01	1.86E+00	1.53E+00	3.73E+02	3.42E+00	7.97E-01	3.79E+02
5977	482865.49	3855919.36	18.0518	33.5971	28.809	13.66397	1.38E+00	3.59E+02	3.19E+00	7.81E-01	3.64E+02	1.34E+00	1.51E-03	3.19E-01	1.53E-01	1.81E+00	1.50E+00	3.59E+02	3.19E+00	7.81E-01	3.64E+02
5978	482783.61	3855918.8	17.7764	31.8886	29.882	12.21313	1.35E+00	3.40E+02	3.30E+00	6.98E-01	3.46E+02	1.32E+00	1.44E-03	3.30E-01	1.37E-01	1.78E+00	1.48E+00	3.40E+02	3.30E+00	6.98E-01	3.46E+02
5979	482700.33	3855818.39	17.9702	31.1019	31.141	12.555	1.37E+00	3.32E+02	3.44E+00	7.18E-01	3.37E+02	1.33E+00	1.40E-03	3.44E-01	1.41E-01	1.82E+00	1.49E+00	3.32E+02	3.44E+00	7.18E-01	3.38E+02
5980	482698.92	3855718.54	18.5502	30.595	36.162	10.89999	1.41E+00	3.27E+02	4.00E+00	6.23E-01	3.33E+02	1.37E+00	1.38E-03	4.00E-01	1.22E-01	1.90E+00	1.54E+00	3.27E+02	4.00E+00	6.23E-01	3.33E+02
5981	482697.52	3855618.68	19.0659	32.4732	37.834	12.04877	1.45E+00	3.47E+02	4.18E+00	6.89E-01	3.53E+02	1.41E+00	1.46E-03	4.18E-01	1.35E-01	1.97E+00	1.58E+00	3.47E+02	4.18E+00	6.89E-01	3.53E+02
5982	482696.11	3855518.83	20.1106	32.2542	36.807	10.93694	1.53E+00	3.44E+02	4.07E+00	6.25E-01	3.50E+02	1.49E+00	1.45E-03	4.07E-01	1.22E-01	2.02E+00	1.67E+00	3.44E+02	4.07E+00	6.25E-01	3.51E+02
5983	482694.71	3855418.98	21.2042	36.9317	32.56	12.03906	1.62E+00	3.94E+02	3.60E+00	6.88E-01	4.00E+02	1.57E+00	1.66E-03	3.60E-01	1.35E-01	2.07E+00	1.76E+00	3.94E+02	3.60E+00	6.88E-01	4.00E+02
5984	482693.3	3855319.13	22.436	39.167	26.639	12.65477	1.71E+00	4.18E+02	2.95E+00	7.24E-01	4.23E+02	1.66E+00	1.77E-03	2.95E-01	1.42E-01	2.10E+00	1.86E+00	4.18E+02	2.95E+00	7.24E-01	4.24E+02
5985	482691.9	3855219.27	24.1714	39.399	20.045	16.26626	1.84E+00	4.20E+02	2.22E+00	9.30E-01	4.25E+02	1.79E+00	1.78E-03	2.22E-01	1.82E-01	2.19E+00	2.01E+00	4.20E+02	2.22E+00	9.30E-01	4.26E+02
5986	482690.49	3855119.42	25.5685	38.499	14.027	24.60718	1.95E+00	4.11E+02	1.55E+00	1.41E+00	4.16E+02	1.89E+00	1.74E-03	1.55E-01	2.75E-01	2.33E+00	2.12E+00	4.11E+02	1.55E+00	1.41E+00	4.16E+02
5987	482689.09	3855019.57	27.0702	33.0943	11.758	27.8017	2.06E+00	3.53E+02	1.30E+00	1.59E+00	3.58E+02	2.00E+00	1.49E-03	1.30E-01	3.11E-01	2.45E+00	2.25E+00	3.53E+02	1.30E+00	1.59E+00	3.58E+02
5988	482687.68	3854919.72	28.2395	29.5752	11.21	18.70759	2.15E+00	3.16E+02	1.24E+00	1.07E+00	3.20E+02	2.09E+00	1.33E-03	1.24E-01	2.09E-01	2.43E+00	2.34E+00	3.16E+02	1.24E+00	1.07E+00	3.20E+02
5989	482686.28	3854819.86	30.6452	26.7986	10.857	17.40935	2.34E+00	2.86E+02	1.20E+00	9.96E-01	2.91E+02	2.27E+00	1.21E-03	1.20E-01	1.95E-01	2.58E+00	2.54E+00	2.86E+02	1.20E+00	9.96E-01	2.91E+02
5990	482684.88	3854720.01	32.7054	24.0745	12.366	14.822	2.49E+00	2.57E+02	1.37E+00	8.48E-01	2.62E+02	2.42E+00	1.09E-03	1.37E-01	1.66E-01	2.73E+00	2.72E+00	2.57E+02	1.37E+00	8.48E-01	2.62E+02
5991	482683.47	3854620.16	34.0057	19.7832	13.905	12.78375	2.59E+00	2.11E+02	1.54E+00	7.31E-01	2.16E+02	2.52E+00	8.92E-04	1.54E-01	1.43E-01	2.82E+00	2.82E+00	2.11E+02	1.54E+00	7.31E-01	2.16E+02
5992	482682.07	3854520.31	34.0038	16.9493	15.475	10.92881	2.59E+00	1.81E+02	1.71E+00	6.25E-01	1.86E+02	2.52E+00	7.64E-04	1.71E-01	1.22E-01	2.81E+00	2.82E+00	1.81E+02	1.71E+00	6.25E-01	1.86E+02
5993	482680.66	3854420.45	37.3352	15.5704	17.014	16.88577	2.85E+00	1.66E+02	1.88E+00	9.66E-01	1.72E+02	2.76E+00	7.02E-04	1.88E-01	1.89E-01	3.14E+00	3.10E+00	1.66E+02	1.88E+00	9.66E-01	1.72E+02
5994	482679.26	3854320.6	41.1051	14.7459	18.478	20.83896	3.13E+00	1.57E+02	2.04E+00	1.19E+00	1.64E+02	3.04E+00	6.65E-04	2.04E-01	2.33E-01	3.48E+00	3.41E+00	1.57E+02	2.04E+00	1.19E+00	1.64E+02
5995	482677.85	3854220.75	44.1453	13.9967	19.799	20.08602	3.36E+00	1.49E+02	2.19E+00	1.15E+00	1.56E+02	3.27E+00	6.31E-04	2.19E-01	2.25E-01	3.71E+00	3.66E+00	1.49E+02	2.19E+00	1.15E+00	1.56E+02
5996	482676.45	3854120.9	46.2744	13.713	20.987	16.44814	3.53E+00	1.46E+02	2.32E+00	9.41E-01	1.53E+02	3.43E+00	6.18E-04	2.32E-01	1.84E-01	3.84E+00	3.84E+00	1.46E+02	2.32E+00	9.41E-01	1.53E+02
5997	482675.04	3854021.04	46.1219	13.0808	21.958	12.90899	3.52E+00	1.40E+02	2.43E+00	7.38E-01	1.46E+02	3.41E+00	5.90E-04	2.43E-01	1.45E-01	3.80E+00	3.83E+00	1.40E+02	2.43E+00	7.38E-01	1.47E+02
5998	482673.64	3853921.19	43.9061	12.9429	22.694	10.48072	3.35E+00	1.38E+02	2.51E+00	5.99E-01	1.45E+02	3.25E+00	5.83E-04	2.51E-01	1.17E-01	3.62E+00	3.65E+00	1.38E+02	2.51E+00	5.99E-01	1.45E+02
5999	482672.23	3853821.34	41.4841	12.3676	23.166	9.10255	3.16E+00	1.32E+02	2.56E+00	5.21E-01	1.38E+02	3.07E+00	5.58E-04	2.56E-01	1.02E-01	3.43E+00	3.44E+00	1.32E+02	2.56E+00	5.21E-01	1.39E+02
6000	482670.83	3853721.49	40.5692	11.6335	23.375	9.44651	3.09E+00	1.24E+02	2.58E+00	5.40E-01	1.30E+02	3.00E+00	5.24E-04	2.58E-01	1.06E-01	3.37E+00	3.37E+00	1.24E+02	2.58E+00	5.40E-01	1.31E+02
6001	482669.42	3853621.63	45.1117	11.0056	23.324	9.44668	3.44E+00	1.17E+02	2.58E+00	5.40E-01	1.24E+02	3.34E+00	4.96E-04	2.58E-01	1.06E-01	3.70E+00	3.75E+00	1.17E+02	2.58E+00	5.40E-01	1.24E+02
6002	482645.99	3853446.13	46.7796	10.0754	22.669	8.1573	3.57E+00	1.08E+02	2.51E+00	4.66E-01	1.14E+02	3.46E+00	4.54E-04	2.51E-01	9.13E-02	3.81E+00	3.88E+00	1.08E+02	2.51E+00	4.66E-01	1.14E+02
6003	482623.97	3853370.49	46.0811	9.86624	22.249	7.68036	3.51E+00	1.05E+02	2.46E+00	4.39E-01	1.12E+02	3.41E+00	4.45E-04	2.46E-01	8.60E-02	3.74E+00	3.83E+00	1.05E+02	2.46E+00	4.39E-01	1.12E+02
6004	482601.94	3853294.84	43.9335	9.64581	21.766	7.21228	3.35E+00	1.03E+02	2.41E+00	4.12E-01	1.09E+02	3.25E+00	4.35E-04	2.41E-01	8.07E-02	3.57E+00	3.65E+00	1.03E+02	2.41E+00	4.12E-01	1.09E+02
6005	482531.29	3853133.44	38.886	9.4036	20.684	6.36897	2.96E+00	1.00E+02	2.29E+00	3.64E-01	1.06E+02	2.88E+00	4.24E-04	2.29E-01	7.13E-02	3.18E+00	3.23E+00	1.00E+02	2.29E+00	3.64E-01	1.06E+02
6006	482482.68	3853047.69	38.7868	9.30041	20.122	5.90622	2.96E+00	9.93E+01	2.22E+00	3.38E-01	1.05E+02	2.87E+00	4.19E-04	2.22E-01	6.61E-02	3.16E+00	3.22E+00	9.93E+01	2.22E+00	3.38E-01	1.05E+02
6007	482383.09	3852897.4	37.8604	9.22629	19.213	5.57588	2.89E+00	9.85E+01	2.12E+00	3.19E-01	1.04E+02	2.80E+00	4.16E-04	2.12E-01	6.24E-02	3.08E+00	3.14E+00	9.85E+01	2.12E+00	3.19E-01	1.04E+02
6008	482265.64	3852765.26	36.2092	8.78414	18.611	5.15816	2.76E+00	9.37E+01	2.06E+00	2.95E-01	9.89E+01	2.68E+00	3.96E-04	2.06E-01	5.77E-02	2.94E+00	3.01E+00	9.37E+01	2.06E+00	2.95E-01	9.91E+01
6009	482199.16	3852697.66	35.3839	8.49469	18.35	4.91532	2.70E+00	9.07E+01	2.03E+00	2.81E-01	9.57E+01	2.62E+00	3.83E-04	2.03E-01	5.50E-02	2.88E+00	2.94E+00	9.07E+01	2.03E+00	2.81E-01	9.59E+01
6010	482132.69	3852630.07	34.6281	8.39344	18.093	4.67461	2.64E+00	8.96E+01	2.00E+00	2.67E-01	9.45E+01	2.56E+00	3.78E-04	2.00E-01	5.23E-02	2.82E+00	2.87E+00	8.96E+01	2.00E+00	2.67E-01	9.47E+01
6011	482066.21	3852562.48	33.8636	8.29504	17.843	4.43913	2.58E+00	8.85E+01	1.97E+00	2.54E-01	9.33E+01	2.51E+00	3.74E-04	1.97E-01	4.97E-02	2.75E+00	2.81E+00	8.85E+01	1.97E+00	2.54E-01	9.36E+01
6012	481999.74	3852494.89	33.089	8.20402	17.599	4.21084	2.52E+00	8.76E+01	1.95E+00	2.41E-01	9.23E+01	2.45E+00	3.70E-04	1.95E-01	4.71E-02	2.69E+00	2.75E+00	8.76E+01	1.95E+00	2.41E-01	9.25E+01
6013	481933.26	3852427.29	32.3397	8.11244	17.359	3.99035	2.46E+00	8.66E+01	1.92E+00	2.28E-01	9.12E+01	2.39E+00	3.66E-04	1.92E-01	4.47E-02	2.63E+00	2.68E+00	8.66E+01	1.92E+00	2.28E-01	9.14E+01
6014	481866.79	3852359.7	31.6925	7.9946	17.121	3.77709	2.42E+00	8.53E+01	1.89E+00	2.16E-01	8.98E+01	2.35E+00	3.60E-04	1.89E-01	4.23E-02	2.58E+00	2.63E+00	8.53E+01	1.89E+00	2.16E-01	9.01E+01
6015	481800.31	3852292.11	31.0733	7.86795	16.886	3.57282	2.37E+00	8.40E+01	1.87E+00	2.04E-01	8.84E+01	2.30E+00	3.55E-04	1.87E-01	4.00E-02	2.53E+00	2.58E+00	8.40E+01	1.87E+00	2.04E-01	8.86E+01
6016	481733.84	3852224.52	30.448	7.74635	16.657	3.66433	2.32E+00	8.27E+01	1.84E+00	2.10E-01	8.70E+01	2.25E+00	3.49E-04	1.84E-01	4.10E-02	2.48E+00	2.53E+00	8.27E+01	1.84E+00	2.10E-01	8.72E+01
6017	481667.36	3852156.92	29.8833	7.59359	16.429	3.79191	2.28E+00	8.10E+01	1.82E+00	2.17E-01	8.53E+01	2.21E+00	3.42E-04	1.82E-01	4.24E-02	2.44E+00	2.48E+00	8.10E+01	1.82E+00	2.17E-01	8.56E+01
6018	481600.89	3852089.33	29.219	7.51099	16.213	3.75367	2.23E+00	8.02E+01	1.79E+00	2.15E-01	8.44E+01	2.16E+00	3.39E-04	1.79E-01	4.20E-02	2.38E+00	2.43E+00	8.02E+01	1.79E+00	2.15E-01	8.46E+01
6019	481534.41	3852021.74	28.5551	7.44294	16.003	3.64665	2.18E+00	7.94E+01	1.77E+00	2.09E-01	8.36E+01	2.11E+00	3.36E-04	1.77E-01	4.08E-02	2.33E+00	2.37E+00	7.94E+01	1.77E+00	2.09E-01	8.38E+01
6020	481467.94	3851954.15	27.9381	7.35808	15.795	3.52811	2.13E+00	7.85E+01	1.75E+00	2.02E-01	8.26E+01	2.07E+00	3.32E-04	1.75E-01	3.95E-02	2.28E+00	2.32E+00	7.85E+01	1.75E+00	2.02E-01	8.28E+01
6021	481401.46	3851886.55	27.3934	7.23954	15.587	3.43022	2.09E+00	7.73E+01	1.72E+00	1.96E-01	8.13E+01	2.03E+00	3.26E-04	1.72E-01	3.84E-02	2.24E+00	2.27E+00	7.73E+01	1.72E+00	1.96E-01	8.15E+01
6022	481265.87	3851761.43	26.3861	7.04141	15.297	3.2028	2.01E+00	7.51E+01	1.69E+00	1.83E-01	7.90E+01	1.95E+00	3.17E-04	1.69E-01	3.59E-02	2.16E+00	2.19E+00	7.51E+01	1.69E+00	1.83E-01	7.92E+01
6023	481196.74	3851703.89	25.9814	6.90471	15.205	3.26631	1.98E+00	7.37E+01	1.68E+00	1.87E-01	7.75E+01	1.92E+00	3.11E-04	1.68E-01	3.66E-02	2.13E+00	2.16E+00	7.37E+01	1.68E+00	1.87E-01	7.77E+01
6024	481076.33	3851619.05	25.2817	6.87499	15.183	3.30369	1.93E+00	7.34E+01	1.68E+00	1.89E-01	7.72E+01	1.87E+00	3.10E-04	1.68E-01	3.70E-02	2.08E+00	2.10E+00	7.34E+01	1.68E+00	1.89E-01	7.73E+01
6025	480939.8	3851549.07	24.2207	7.21701	15.362	3.44021	1.85E+00	7.70E+01	1.70E+00	1.97E-01	8.08E+01	1.79E+00	3.25E-04	1.70E-01	3.85E-02	2.00E+00	2.01E+00	7.70E+01	1.70E+00	1.97E-01	8.09E+01
6026	480854.56	3851506.41	23.2769	7.48362	15.469	3.48518	1.77E+00	7.99E+01	1.71E+00	1.99E-01	8.35E+01	1.72E+00	3.37E-04	1.71E-01	3.90E-02	1.93E+00	1.93E+00	7.99E+01	1.71E+00	1.99E-01	8.37E+01
6027	480769.32	3851463.75	22.6774	7.80878	15.564	3.56961	1.73E+00	8.33E+01	1.72E+00	2.04E-01	8.70E+01	1.68E+00	3.52E-04	1.72E-01	4.00E-02	1.89E+00	1.88E+00	8.33E+01	1.72E+00	2.04E-01	8.71E+01
6028	480684.08	3851421.08	22.2499	7.96218	15.649	3.66043	1.70E+00	8.50E+01	1.73E+00	2.09E-01	8.86E+01	1.65E+00	3.59E-04	1.73E-01	4.10E-02	1.86E+00	1.85E+00	8.50E+01	1.73E+00	2.09E-01	8.88E+01
6029	480598.84	3851378.42	21.6203	7.99037	15.726	3.64061	1.65E+00	8.53E+01	1.74E+00	2.08E-01	8.89E+01	1.60E+00	3.60E-04	1.74E-01	4.08E-02	1.82E+00	1.79E+00	8.53E+01	1.74E+00	2.08E-01	8.90E+01
6030	480435.71	3851275.01	20.4417	7.64553	15.701	3.78729	1.56E+00	8.16E+01	1.74E+00	2.17E-01	8.51E+01	1.51E+00	3.45E-04	1.74E-01	4.24E-02	1.73E+00	1.70E+00	8.16E+01	1.74E+00	2.17E-01	8.52E+01
6031	480347.85	3851232.36	20.7966	7.81654	15.763	3.83979	1.59E+00	8.34E+01	1.74E+00	2.20E-01	8.70E+01	1.54E+00	3.52E-04	1.74E-01	4.30E-02	1.76E+00	1.73E+00	8.34E+01	1.74E+00	2.20E-01	8.71E+01
6032	480260	3851189.72	21.0257	8.06393	15.812	3.92194	1.60E+00	8.61E+01	1.75E+00	2.24E-01	8.96E+01	1.56E+00	3.64E-04	1.75E-01	4.39E-02	1.78E+00	1.75E+00	8.61E+01	1.75E+00	2.24E-01	8.98E+01
6033	480172.15	3851147.07	21.1325	8.27297	15.85	4.02195	1.61E+00	8.83E+01	1.75E+00	2.30E-01	9.19E+01	1.56E+00	3.73E-04	1.75E-01	4.50E-02	1.79E+00	1.75E+00	8.83E+01	1.75E+00	2.30E-01	9.20E+01
6034	480084.29	3851104.42	21.1042	8.42794	15.877	4.16742	1.61E+00	8.99E+01	1.76E+00	2.38E-01	9.35E+01	1.56E+00	3.80E-04	1.76E-01	4.67E-02	1.78E+00	1.75E+00	8.99E+01	1.76E+00	2.38E-01	9.37E+01
6035	479996.44	3851061.77	20.9604	8.52798	15.893	4.35169	1.60E+00	9.10E+01	1.76E+00	2.49E-01	9.46E+01	1.55E+00	3.84E-04	1.76E-01	4.87E-02	1.78E+00	1.74E+00	9.10E+01	1.76E+00	2.49E-01	9.48E+01

6036	479908.58	3851019.13	20.7038	8.39725	15.893	4.97535	1.58E+00	8.96E+01	1.76E+00	2.85E-01	9.32E+01	1.53E+00	3.79E-04	1.76E-01	5.57E-02	1.76E+00	1.72E+00	8.96E+01	1.76E+00	2.85E-01	9.34E+01
6037	479820.73	3850976.48	20.3335	8.4439	15.891	5.07696	1.55E+00	9.01E+01	1.76E+00	2.90E-01	9.37E+01	1.51E+00	3.81E-04	1.76E-01	5.68E-02	1.74E+00	1.69E+00	9.01E+01	1.76E+00	2.90E-01	9.38E+01
6038	479732.88	3850933.83	19.8753	8.48156	15.879	5.11747	1.51E+00	9.05E+01	1.76E+00	2.93E-01	9.41E+01	1.47E+00	3.82E-04	1.76E-01	5.73E-02	1.70E+00	1.65E+00	9.05E+01	1.76E+00	2.93E-01	9.42E+01
6039	479645.02	3850891.18	19.6443	8.54003	15.858	5.05607	1.50E+00	9.11E+01	1.75E+00	2.89E-01	9.47E+01	1.45E+00	3.85E-04	1.75E-01	5.66E-02	1.69E+00	1.63E+00	9.11E+01	1.75E+00	2.89E-01	9.48E+01
6040	479557.17	3850848.54	19.5735	8.6496	15.83	4.85171	1.49E+00	9.23E+01	1.75E+00	2.77E-01	9.58E+01	1.45E+00	3.90E-04	1.75E-01	5.43E-02	1.68E+00	1.63E+00	9.23E+01	1.75E+00	2.77E-01	9.60E+01
6041	479469.32	3850805.89	19.392	8.65216	15.79	4.89577	1.48E+00	9.23E+01	1.75E+00	2.80E-01	9.58E+01	1.44E+00	3.90E-04	1.75E-01	5.48E-02	1.67E+00	1.61E+00	9.23E+01	1.75E+00	2.80E-01	9.60E+01
6042	479381.46	3850763.24	19.1189	8.91722	15.745	4.52405	1.46E+00	9.52E+01	1.74E+00	2.59E-01	9.86E+01	1.42E+00	4.02E-04	1.74E-01	5.06E-02	1.64E+00	1.59E+00	9.52E+01	1.74E+00	2.59E-01	9.87E+01
6043	479293.61	3850720.59	18.7697	9.24409	15.695	3.94771	1.43E+00	9.87E+01	1.74E+00	2.26E-01	1.02E+02	1.39E+00	4.17E-04	1.74E-01	4.42E-02	1.61E+00	1.56E+00	9.87E+01	1.74E+00	2.26E-01	1.02E+02
6044	479205.76	3850677.95	18.3433	9.5318	15.637	3.50174	1.40E+00	1.02E+02	1.73E+00	2.00E-01	1.05E+02	1.36E+00	4.30E-04	1.73E-01	3.92E-02	1.57E+00	1.52E+00	1.02E+02	1.73E+00	2.00E-01	1.05E+02
6045	479117.9	3850635.3	17.8478	9.83435	15.572	3.01707	1.36E+00	1.05E+02	1.72E+00	1.73E-01	1.08E+02	1.32E+00	4.43E-04	1.72E-01	3.38E-02	1.53E+00	1.48E+00	1.05E+02	1.72E+00	1.73E-01	1.08E+02
6046	479030.05	3850592.65	17.2877	10.0611	15.498	2.94616	1.32E+00	1.07E+02	1.71E+00	1.68E-01	1.11E+02	1.28E+00	4.54E-04	1.71E-01	3.30E-02	1.48E+00	1.44E+00	1.07E+02	1.71E+00	1.68E-01	1.11E+02
6047	478942.19	3850550	16.6932	10.1227	15.412	3.03653	1.27E+00	1.08E+02	1.70E+00	1.74E-01	1.11E+02	1.24E+00	4.56E-04	1.70E-01	3.40E-02	1.44E+00	1.39E+00	1.08E+02	1.70E+00	1.74E-01	1.11E+02
6048	478854.34	3850507.36	17.2491	9.89282	15.313	3.12231	1.31E+00	1.06E+02	1.69E+00	1.79E-01	1.09E+02	1.28E+00	4.46E-04	1.69E-01	3.50E-02	1.48E+00	1.43E+00	1.06E+02	1.69E+00	1.79E-01	1.09E+02
6049	478766.49	3850464.71	16.9437	9.817	15.215	3.21222	1.29E+00	1.05E+02	1.68E+00	1.84E-01	1.08E+02	1.25E+00	4.43E-04	1.68E-01	3.60E-02	1.46E+00	1.41E+00	1.05E+02	1.68E+00	1.84E-01	1.08E+02
6050	478678.63	3850422.06	16.2282	9.76515	15.114	3.30259	1.24E+00	1.04E+02	1.67E+00	1.89E-01	1.07E+02	1.20E+00	4.40E-04	1.67E-01	3.70E-02	1.41E+00	1.35E+00	1.04E+02	1.67E+00	1.89E-01	1.07E+02
6051	478590.78	3850379.41	15.4302	9.62826	15.006	3.39173	1.18E+00	1.03E+02	1.66E+00	1.94E-01	1.06E+02	1.14E+00	4.34E-04	1.66E-01	3.80E-02	1.35E+00	1.28E+00	1.03E+02	1.66E+00	1.94E-01	1.06E+02
6052	478502.93	3850336.77	15.1441	9.51754	14.895	3.48077	1.15E+00	1.02E+02	1.65E+00	1.99E-01	1.05E+02	1.12E+00	4.29E-04	1.65E-01	3.90E-02	1.33E+00	1.26E+00	1.02E+02	1.65E+00	1.99E-01	1.05E+02
6053	478415.07	3850294.12	15.267	9.3924	14.78	3.569	1.16E+00	1.00E+02	1.63E+00	2.04E-01	1.03E+02	1.13E+00	4.23E-04	1.63E-01	4.00E-02	1.33E+00	1.27E+00	1.00E+02	1.63E+00	2.04E-01	1.03E+02
6054	478327.22	3850251.47	15.5128	9.10084	14.659	3.65465	1.18E+00	9.71E+01	1.62E+00	2.09E-01	1.00E+02	1.15E+00	4.10E-04	1.62E-01	4.09E-02	1.35E+00	1.29E+00	9.71E+01	1.62E+00	2.09E-01	1.00E+02
6055	478239.36	3850208.82	15.5892	8.79832	14.535	3.7392	1.19E+00	9.39E+01	1.61E+00	2.14E-01	9.69E+01	1.15E+00	3.97E-04	1.61E-01	4.19E-02	1.36E+00	1.29E+00	9.39E+01	1.61E+00	2.14E-01	9.70E+01
6056	478151.51	3850166.18	15.5105	8.4838	14.407	3.82239	1.18E+00	9.05E+01	1.59E+00	2.19E-01	9.35E+01	1.15E+00	3.82E-04	1.59E-01	4.28E-02	1.35E+00	1.29E+00	9.05E+01	1.59E+00	2.19E-01	9.36E+01
6057	478063.66	3850123.53	15.313	8.14553	14.276	3.90387	1.17E+00	8.69E+01	1.58E+00	2.23E-01	8.99E+01	1.13E+00	3.67E-04	1.58E-01	4.37E-02	1.34E+00	1.27E+00	8.69E+01	1.58E+00	2.23E-01	9.00E+01
6058	477975.8	3850080.88	14.1857	8.75475	14.149	3.98814	1.08E+00	9.34E+01	1.56E+00	2.28E-01	9.63E+01	1.05E+00	3.95E-04	1.56E-01	4.46E-02	1.25E+00	1.18E+00	9.34E+01	1.56E+00	2.28E-01	9.64E+01
6059	477887.95	3850038.23	14.1037	8.95474	14.014	4.06688	1.07E+00	9.56E+01	1.55E+00	2.33E-01	9.84E+01	1.04E+00	4.04E-04	1.55E-01	4.55E-02	1.25E+00	1.17E+00	9.56E+01	1.55E+00	2.33E-01	9.85E+01
6060	477800.1	3849995.59	13.8129	9.18339	13.878	4.14408	1.05E+00	9.80E+01	1.53E+00	2.37E-01	1.01E+02	1.02E+00	4.14E-04	1.53E-01	4.64E-02	1.22E+00	1.15E+00	9.80E+01	1.53E+00	2.37E-01	1.01E+02
6061	477712.24	3849952.94	13.7577	9.18493	13.737	4.21746	1.05E+00	9.80E+01	1.52E+00	2.41E-01	1.01E+02	1.02E+00	4.14E-04	1.52E-01	4.72E-02	1.22E+00	1.14E+00	9.80E+01	1.52E+00	2.41E-01	1.01E+02
6062	477624.39	3849910.29	13.6583	9.12445	13.593	4.28828	1.04E+00	9.74E+01	1.50E+00	2.45E-01	1.00E+02	1.01E+00	4.11E-04	1.50E-01	4.80E-02	1.21E+00	1.13E+00	9.74E+01	1.50E+00	2.45E-01	1.00E+02
6063	477536.54	3849867.64	13.4119	9.04764	13.448	4.35687	1.02E+00	9.66E+01	1.49E+00	2.49E-01	9.93E+01	9.93E-01	4.08E-04	1.49E-01	4.88E-02	1.19E+00	1.11E+00	9.66E+01	1.49E+00	2.49E-01	9.94E+01
6064	477448.68	3849825	13.3697	8.86454	13.3	4.42194	1.02E+00	9.46E+01	1.47E+00	2.53E-01	9.73E+01	9.90E-01	4.00E-04	1.47E-01	4.95E-02	1.19E+00	1.11E+00	9.46E+01	1.47E+00	2.53E-01	9.74E+01
6065	477360.83	3849782.35	13.2527	8.89359	13.15	4.48439	1.01E+00	9.49E+01	1.45E+00	2.56E-01	9.76E+01	9.81E-01	4.01E-04	1.45E-01	5.02E-02	1.18E+00	1.10E+00	9.49E+01	1.45E+00	2.56E-01	9.77E+01
6066	477272.97	3849739.7	13.096	8.81609	12.999	4.54408	9.98E-01	9.41E+01	1.44E+00	2.60E-01	9.68E+01	9.70E-01	3.97E-04	1.44E-01	5.09E-02	1.16E+00	1.09E+00	9.41E+01	1.44E+00	2.60E-01	9.69E+01
6067	477185.12	3849697.05	12.8163	8.77801	12.847	4.60124	9.77E-01	9.37E+01	1.42E+00	2.63E-01	9.63E+01	9.49E-01	3.96E-04	1.42E-01	5.15E-02	1.14E+00	1.06E+00	9.37E+01	1.42E+00	2.63E-01	9.64E+01
6068	477097.27	3849654.41	12.7178	8.62917	12.692	4.65479	9.69E-01	9.21E+01	1.40E+00	2.66E-01	9.47E+01	9.42E-01	3.89E-04	1.40E-01	5.21E-02	1.13E+00	1.06E+00	9.21E+01	1.40E+00	2.66E-01	9.48E+01
6069	477009.41	3849611.76	12.9199	8.16267	12.534	4.70402	9.85E-01	8.71E+01	1.39E+00	2.69E-01	8.97E+01	9.57E-01	3.68E-04	1.39E-01	5.27E-02	1.15E+00	1.07E+00	8.71E+01	1.39E+00	2.69E-01	8.98E+01
6070	476841.49	3849530.08	12.4207	7.98096	12.236	4.79256	9.47E-01	8.52E+01	1.35E+00	2.74E-01	8.77E+01	9.20E-01	3.60E-04	1.35E-01	5.36E-02	1.11E+00	1.03E+00	8.52E+01	1.35E+00	2.74E-01	8.78E+01
6071	476761.41	3849491.05	12.1201	8.00266	12.095	4.83142	9.24E-01	8.54E+01	1.34E+00	2.76E-01	8.79E+01	8.97E-01	3.61E-04	1.34E-01	5.41E-02	1.09E+00	1.01E+00	8.54E+01	1.34E+00	2.76E-01	8.80E+01
6072	476681.34	3849452.02	12.2527	7.85681	11.952	4.86705	9.34E-01	8.38E+01	1.32E+00	2.78E-01	8.64E+01	9.07E-01	3.54E-04	1.32E-01	5.45E-02	1.09E+00	1.02E+00	8.38E+01	1.32E+00	2.78E-01	8.65E+01
6073	476601.26	3849412.99	12.438	7.60076	11.808	4.89991	9.48E-01	8.11E+01	1.31E+00	2.80E-01	8.36E+01	9.21E-01	3.43E-04	1.31E-01	5.49E-02	1.11E+00	1.03E+00	8.11E+01	1.31E+00	2.80E-01	8.37E+01
6074	476456.32	3849353.67	12.7954	7.3908	11.507	4.97631	9.75E-01	7.89E+01	1.27E+00	2.85E-01	8.14E+01	9.47E-01	3.33E-04	1.27E-01	5.57E-02	1.13E+00	1.06E+00	7.89E+01	1.27E+00	2.85E-01	8.15E+01
6075	476305.43	3849318.84	13.128	8.38649	11.105	5.09942	1.00E+00	8.95E+01	1.23E+00	2.92E-01	9.20E+01	9.72E-01	3.78E-04	1.23E-01	5.71E-02	1.15E+00	1.09E+00	8.95E+01	1.23E+00	2.92E-01	9.21E+01
6076	476129.36	3849289.99	13.7968	9.26592	10.574	5.23386	1.05E+00	9.89E+01	1.17E+00	2.99E-01	1.01E+02	1.02E+00	4.18E-04	1.17E-01	5.86E-02	1.20E+00	1.15E+00	9.89E+01	1.17E+00	2.99E-01	1.01E+02
6077	476039.31	3849275.68	13.7674	9.56677	10.296	5.28942	1.05E+00	1.02E+02	1.14E+00	3.02E-01	1.05E+02	1.02E+00	4.31E-04	1.14E-01	5.92E-02	1.19E+00	1.14E+00	1.02E+02	1.14E+00	3.02E-01	1.05E+02
6078	475949.26	3849261.38	13.9766	9.56446	10.009	5.33336	1.07E+00	1.02E+02	1.11E+00	3.05E-01	1.05E+02	1.03E+00	4.31E-04	1.11E-01	5.97E-02	1.21E+00	1.16E+00	1.02E+02	1.11E+00	3.05E-01	1.05E+02
6079	475859.21	3849247.08	13.6123	9.60829	9.726	5.36894	1.04E+00	1.03E+02	1.08E+00	3.07E-01	1.05E+02	1.01E+00	4.33E-04	1.08E-01	6.01E-02	1.18E+00	1.13E+00	1.03E+02	1.08E+00	3.07E-01	1.05E+02
6080	475769.16	3849232.77	13.1093	9.44642	9.4409	5.39437	9.99E-01	1.01E+02	1.04E+00	3.08E-01	1.03E+02	9.71E-01	4.26E-04	1.04E-01	6.04E-02	1.14E+00	1.09E+00	1.01E+02	1.04E+00	3.08E-01	1.03E+02
6081	475585.23	3849219.27	11.0318	6.94359	8.7635	5.41894	8.41E-01	7.41E+01	9.69E-01	3.10E-01	7.62E+01	8.17E-01	3.13E-04	9.69E-02	6.07E-02	9.75E-01	9.16E-01	7.41E+01	9.69E-01	3.10E-01	7.63E+01
6082	475444.5	3849150.35	11.9664	7.78947	8.5441	5.3895	9.12E-01	8.31E+01	9.45E-01	3.08E-01	8.53E+01	8.86E-01	3.51E-04	9.45E-02	6.03E-02	1.04E+00	9.93E-01	8.31E+01	9.45E-01	3.08E-01	8.54E+01
6083	475334.18	3849118.71	12.5502	7.60944	8.2701	5.36906	9.57E-01	8.12E+01	9.14E-01	3.07E-01	8.34E+01	9.29E-01	3.43E-04	9.14E-02	6.01E-02	1.08E+00	1.04E+00	8.12E+01	9.14E-01	3.07E-01	8.35E+01
6084	475230.47	3849060.57	12.5678	7.34109	8.1353	5.33418	9.58E-01	7.83E+01	8.99E-01	3.05E-01	8.05E+01	9.30E-01	3.31E-04	8.99E-02	5.97E-02	1.08E+00	1.04E+00	7.83E+01	8.99E-01	3.05E-01	8.06E+01
6085	475110.86	3848960.97	12.0858	7.18675	8.1194	5.28406	9.21E-01	7.67E+01	8.98E-01	3.02E-01	7.88E+01	8.95E-01	3.24E-04	8.98E-02	5.92E-02	1.04E+00	1.00E+00	7.67E+01	8.98E-01	3.02E-01	7.89E+01
6086	475037.79	3848896.28	11.7144	7.01609	8.1235	5.25224	8.93E-01	7.49E+01	8.98E-01	3.00E-01	7.70E+01	8.67E-01	3.16E-04	8.98E-02	5.88E-02	1.02E+00	9.73E-01	7.49E+01	8.98E-01	3.00E-01	7.70E+01
6087	474964.72	3848831.59	11.3004	6.85891	8.1274	5.22081	8.61E-01	7.32E+01	8.99E-01	2.99E-01	7.53E+01	8.37E-01	3.09E-04	8.99E-02	5.84E-02	9.85E-01	9.38E-01	7.32E+01	8.99E-01	2.99E-01	7.53E+01
6088	474891.65	3848766.9	10.8961	6.81306	8.1328	5.19021	8.31E-01	7.27E+01	8.99E-01	2.97E-01	7.47E+01	8.07E-01	3.07E-04	8.99E-02	5.81E-02	9.55E-01	9.05E-01	7.27E+01	8.99E-01	2.97E-01	7.48E+01
6089	474818.58	3848702.22	10.5022	6.81219	8.1385	5.16011	8.00E-01	7.27E+01	9.00E-01	2.95E-01	7.47E+01	7.78E-01	3.07E-04	9.00E-02	5.78E-02	9.26E-01	8.72E-01	7.27E+01	9.00E-01	2.95E-01	7.48E+01
6090	474745.51	3848637.53	10.4106	7.03359	8.1486	5.13161	7.94E-01	7.51E+01	9.01E-01	2.93E-01	7.70E+01	7.71E-01	3.17E-04	9.01E-02	5.74E-02	9.19E-01	8.64E-01	7.51E+01	9.01E-01	2.93E-01	7.71E+01
6091	474672.44	3848572.84	10.5789	7.11718	8.1542	5.10234	8.06E-01	7.60E+01	9.02E-01	2.92E-01	7.80E+01	7.83E-01	3.21E-04	9.02E-02	5.71E-02	9.31E-01	8.78E-01	7.60E+01	9.02E-01	2.92E-01	7.80E+01
6092	474599.37	3848508.15	10.7264	6.96744	8.156	5.07251	8.18E-01	7.44E+01	9.02E-01	2.90E-01	7.64E+01	7.94E-01	3.14E-04	9.02E-02	5.68E-02	9.41E-01	8.91E-01	7.44E+01	9.02E-01	2.90E-01	7.64E+01
6093	474526.3	3848443.46	10.8657	6.92683	8.1589	5.04332	8.28E-01	7.39E+01	9.02E-01	2.88E-01	7.59E+01	8.04E-01	3.12E-04	9.02E-02	5.65E-02	9.51E-01	9.02E-01	7.39E+01	9.02E-01	2.88E-01	7.60E+01

			2033 Mitigated					2048 Unmitigated					2048 Mitigated				
			8.05E-02	1.10E-04	1.11E-02	1.12E-02		1.06E-01	1.05E+01	1.11E-01	5.72E-02		1.03E-01	1.33E-04	1.11E-02	1.12E-02	
			Concentration [ug/m^3]					Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARE	WHS (PAR	STCK1-10	STCK11-39	Total	CHE (PARE	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PAREA	WHS (PARE/	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	1.19E+00	3.61E-04	6.02E-01	2.65E-01	2.06E+00	1.58E+00	3.46E+01	6.02E+00	1.36E+00	4.35E+01	1.53E+00	4.37E-04	6.02E-01	2.65E-01	2.40E+00
2	486023.61	3854936.51	1.09E+00	3.58E-04	8.21E-01	2.57E-01	2.17E+00	1.44E+00	3.44E+01	8.21E+00	1.31E+00	4.53E+01	1.40E+00	4.34E-04	8.21E-01	2.57E-01	2.48E+00
3	486073.61	3854936.51	9.94E-01	3.56E-04	1.06E+00	2.56E-01	2.31E+00	1.31E+00	3.42E+01	1.06E+01	1.31E+00	4.74E+01	1.27E+00	4.32E-04	1.06E+00	2.56E-01	2.59E+00
4	486123.61	3854936.51	8.15E-01	3.55E-04	1.34E+00	2.65E-01	2.42E+00	1.08E+00	3.40E+01	1.34E+01	1.35E+00	4.99E+01	1.04E+00	4.30E-04	1.34E+00	2.65E-01	2.65E+00
5	486173.61	3854936.51	7.97E-01	3.55E-04	1.56E+00	2.69E-01	2.63E+00	1.05E+00	3.40E+01	1.56E+01	1.38E+00	5.21E+01	1.02E+00	4.30E-04	1.56E+00	2.69E-01	2.86E+00
6	486223.61	3854936.51	7.96E-01	3.55E-04	1.77E+00	2.69E-01	2.84E+00	1.05E+00	3.40E+01	1.77E+01	1.38E+00	5.42E+01	1.02E+00	4.30E-04	1.77E+00	2.69E-01	3.06E+00
7	486273.61	3854936.51	7.95E-01	3.55E-04	1.91E+00	2.66E-01	2.97E+00	1.05E+00	3.41E+01	1.91E+01	1.36E+00	5.56E+01	1.02E+00	4.31E-04	1.91E+00	2.66E-01	3.19E+00
8	486323.61	3854936.51	7.92E-01	3.57E-04	1.95E+00	2.60E-01	3.00E+00	1.05E+00	3.42E+01	1.95E+01	1.33E+00	5.61E+01	1.02E+00	4.32E-04	1.95E+00	2.60E-01	3.23E+00
9	485973.61	3854986.51	1.29E+00	3.62E-04	4.73E-01	2.59E-01	2.02E+00	1.71E+00	3.47E+01	4.73E+00	1.33E+00	4.24E+01	1.66E+00	4.38E-04	4.73E-01	2.59E-01	2.39E+00
10	486023.61	3854986.51	1.21E+00	3.59E-04	6.63E-01	2.70E-01	2.14E+00	1.60E+00	3.44E+01	6.63E+00	1.38E+00	4.40E+01	1.55E+00	4.35E-04	6.63E-01	2.70E-01	2.48E+00
11	486073.61	3854986.51	1.09E+00	3.57E-04	8.97E-01	2.76E-01	2.26E+00	1.43E+00	3.42E+01	8.97E+00	1.41E+00	4.60E+01	1.39E+00	4.32E-04	8.97E-01	2.76E-01	2.57E+00
12	486123.61	3854986.51	9.40E-01	3.55E-04	1.16E+00	2.78E-01	2.38E+00	1.24E+00	3.41E+01	1.16E+01	1.42E+00	4.83E+01	1.20E+00	4.31E-04	1.16E+00	2.78E-01	2.64E+00
13	486173.61	3854986.51	8.00E-01	3.55E-04	1.41E+00	2.75E-01	2.48E+00	1.06E+00	3.40E+01	1.41E+01	1.41E+00	5.05E+01	1.03E+00	4.30E-04	1.41E+00	2.75E-01	2.71E+00
14	486223.61	3854986.51	7.97E-01	3.55E-04	1.65E+00	2.70E-01	2.72E+00	1.05E+00	3.40E+01	1.65E+01	1.38E+00	5.30E+01	1.02E+00	4.30E-04	1.65E+00	2.70E-01	2.95E+00
15	486273.61	3854986.51	7.96E-01	3.55E-04	1.85E+00	2.61E-01	2.91E+00	1.05E+00	3.41E+01	1.85E+01	1.33E+00	5.50E+01	1.02E+00	4.30E-04	1.85E+00	2.61E-01	3.13E+00
16	486323.61	3854986.51	7.94E-01	3.56E-04	1.93E+00	2.50E-01	2.97E+00	1.05E+00	3.42E+01	1.93E+01	1.28E+00	5.58E+01	1.02E+00	4.32E-04	1.93E+00	2.50E-01	3.20E+00
17	485973.61	3855036.51	1.41E+00	3.63E-04	3.58E-01	2.80E-01	2.05E+00	1.86E+00	3.48E+01	3.58E+00	1.43E+00	4.17E+01	1.80E+00	4.40E-04	3.58E-01	2.80E-01	2.44E+00
18	486023.61	3855036.51	1.31E+00	3.60E-04	5.23E-01	2.83E-01	2.12E+00	1.74E+00	3.45E+01	5.23E+00	1.45E+00	4.29E+01	1.68E+00	4.36E-04	5.23E-01	2.83E-01	2.49E+00
19	486073.61	3855036.51	1.18E+00	3.58E-04	7.40E-01	2.83E-01	2.20E+00	1.55E+00	3.43E+01	7.40E+00	1.44E+00	4.47E+01	1.51E+00	4.33E-04	7.40E-01	2.83E-01	2.53E+00
20	486123.61	3855036.51	1.04E+00	3.56E-04	9.86E-01	2.77E-01	2.30E+00	1.37E+00	3.41E+01	9.86E+00	1.42E+00	4.68E+01	1.33E+00	4.31E-04	9.86E-01	2.77E-01	2.59E+00
21	486173.61	3855036.51	9.01E-01	3.55E-04	1.24E+00	2.69E-01	2.41E+00	1.19E+00	3.40E+01	1.24E+01	1.37E+00	4.90E+01	1.16E+00	4.30E-04	1.24E+00	2.69E-01	2.66E+00
22	486223.61	3855036.51	7.98E-01	3.55E-04	1.51E+00	2.58E-01	2.57E+00	1.05E+00	3.40E+01	1.51E+01	1.32E+00	5.15E+01	1.02E+00	4.30E-04	1.51E+00	2.58E-01	2.80E+00
23	486273.61	3855036.51	7.98E-01	3.55E-04	1.72E+00	2.48E-01	2.76E+00	1.05E+00	3.41E+01	1.72E+01	1.27E+00	5.36E+01	1.02E+00	4.30E-04	1.72E+00	2.48E-01	2.99E+00
24	486323.61	3855036.51	7.96E-01	3.56E-04	1.88E+00	2.56E-01	2.94E+00	1.05E+00	3.41E+01	1.88E+01	1.31E+00	5.54E+01	1.02E+00	4.31E-04	1.88E+00	2.56E-01	3.16E+00
25	485973.61	3855086.51	1.51E+00	3.64E-04	3.46E-01	2.87E-01	2.14E+00	2.00E+00	3.49E+01	3.46E+00	1.46E+00	4.18E+01	1.94E+00	4.41E-04	3.46E-01	2.87E-01	2.57E+00
26	486023.61	3855086.51	1.44E+00	3.61E-04	3.97E-01	2.82E-01	2.11E+00	1.90E+00	3.46E+01	3.97E+00	1.44E+00	4.19E+01	1.84E+00	4.37E-04	3.97E-01	2.82E-01	2.52E+00
27	486073.61	3855086.51	1.29E+00	3.58E-04	5.85E-01	2.75E-01	2.15E+00	1.71E+00	3.44E+01	5.85E+00	1.40E+00	4.33E+01	1.66E+00	4.34E-04	5.85E-01	2.75E-01	2.52E+00
28	486123.61	3855086.51	1.17E+00	3.57E-04	8.01E-01	2.64E-01	2.24E+00	1.55E+00	3.42E+01	8.01E+00	1.35E+00	4.51E+01	1.51E+00	4.32E-04	8.01E-01	2.64E-01	2.57E+00
29	486173.61	3855086.51	9.92E-01	3.55E-04	1.07E+00	2.58E-01	2.32E+00	1.31E+00	3.41E+01	1.07E+01	1.32E+00	4.74E+01	1.27E+00	4.30E-04	1.07E+00	2.58E-01	2.60E+00
30	486223.61	3855086.51	8.15E-01	3.55E-04	1.33E+00	2.66E-01	2.41E+00	1.08E+00	3.40E+01	1.33E+01	1.36E+00	4.98E+01	1.05E+00	4.30E-04	1.33E+00	2.66E-01	2.64E+00
31	485973.61	3855136.51	1.65E+00	3.65E-04	4.21E-01	2.77E-01	2.35E+00	2.18E+00	3.50E+01	4.21E+00	1.42E+00	4.28E+01	2.11E+00	4.43E-04	4.21E-01	2.77E-01	2.81E+00
32	486023.61	3855136.51	1.55E+00	3.62E-04	3.11E-01	2.67E-01	2.13E+00	2.05E+00	3.47E+01	3.11E+00	1.36E+00	4.13E+01	1.99E+00	4.39E-04	3.11E-01	2.67E-01	2.56E+00
33	486073.61	3855136.51	1.43E+00	3.59E-04	4.45E-01	2.63E-01	2.14E+00	1.89E+00	3.45E+01	4.45E+00	1.35E+00	4.21E+01	1.83E+00	4.35E-04	4.45E-01	2.63E-01	2.54E+00
34	486123.61	3855136.51	1.30E+00	3.57E-04	6.38E-01	2.73E-01	2.21E+00	1.71E+00	3.43E+01	6.38E+00	1.39E+00	4.37E+01	1.66E+00	4.33E-04	6.38E-01	2.73E-01	2.57E+00
35	486173.61	3855136.51	1.12E+00	3.56E-04	8.78E-01	2.79E-01	2.28E+00	1.48E+00	3.41E+01	8.78E+00	1.42E+00	4.58E+01	1.44E+00	4.31E-04	8.78E-01	2.79E-01	2.60E+00
36	486223.61	3855136.51	9.29E-01	3.55E-04	1.14E+00	2.81E-01	2.35E+00	1.23E+00	3.40E+01	1.14E+01	1.43E+00	4.81E+01	1.19E+00	4.30E-04	1.14E+00	2.81E-01	2.62E+00
37	485973.61	3855186.51	1.79E+00	3.67E-04	4.94E-01	2.67E-01	2.55E+00	2.36E+00	3.52E+01	4.94E+00	1.36E+00	4.38E+01	2.29E+00	4.44E-04	4.94E-01	2.67E-01	3.05E+00
38	486023.61	3855186.51	1.69E+00	3.63E-04	3.82E-01	2.77E-01	2.35E+00	2.23E+00	3.49E+01	3.82E+00	1.41E+00	4.23E+01	2.17E+00	4.40E-04	3.82E-01	2.77E-01	2.83E+00
39	486073.61	3855186.51	1.55E+00	3.60E-04	3.30E-01	2.84E-01	2.17E+00	2.05E+00	3.46E+01	3.30E+00	1.45E+00	4.14E+01	1.99E+00	4.37E-04	3.30E-01	2.84E-01	2.60E+00
40	486123.61	3855186.51	1.39E+00	3.58E-04	5.02E-01	2.87E-01	2.18E+00	1.84E+00	3.43E+01	5.02E+00	1.47E+00	4.26E+01	1.79E+00	4.34E-04	5.02E-01	2.87E-01	2.58E+00
41	486173.61	3855186.51	1.23E+00	3.56E-04	7.13E-01	2.86E-01	2.23E+00	1.63E+00	3.42E+01	7.13E+00	1.46E+00	4.44E+01	1.58E+00	4.31E-04	7.13E-01	2.86E-01	2.58E+00
42	486223.61	3855186.51	1.04E+00	3.55E-04	9.64E-01	2.81E-01	2.29E+00	1.37E+00	3.40E+01	9.64E+00	1.44E+00	4.65E+01	1.33E+00	4.30E-04	9.64E-01	2.81E-01	2.58E+00
43	486273.61	3855186.51	8.56E-01	3.55E-04	1.25E+00	2.75E-01	2.38E+00	1.13E+00	3.40E+01	1.25E+01	1.40E+00	4.90E+01	1.10E+00	4.30E-04	1.25E+00	2.75E-01	2.62E+00
44	486323.61	3855186.51	8.56E-01	3.55E-04	1.45E+00	2.64E-01	2.57E+00	1.13E+00	3.41E+01	1.45E+01	1.35E+00	5.11E+01	1.10E+00	4.31E-04	1.45E+00	2.64E-01	2.81E+00
45	485973.61	3855236.51	1.92E+00	3.68E-04	5.61E-01	2.86E-01	2.77E+00	2.54E+00	3.53E+01	5.61E+00	1.46E+00	4.49E+01	2.46E+00	4.46E-04	5.61E-01	2.86E-01	3.31E+00
46	486023.61	3855236.51	1.79E+00	3.65E-04	4.64E-01	2.89E-01	2.55E+00	2.37E+00	3.50E+01	4.64E+00	1.48E+00	4.35E+01	2.30E+00	4.42E-04	4.64E-01	2.89E-01	3.05E+00
47	486073.61	3855236.51	1.65E+00	3.61E-04	3.61E-01	2.89E-01	2.30E+00	2.18E+00	3.47E+01	3.61E+00	1.48E+00	4.19E+01	2.12E+00	4.38E-04	3.61E-01	2.89E-01	2.77E+00
48	486123.61	3855236.51	1.52E+00	3.59E-04	3.78E-01	2.84E-01	2.18E+00	2.00E+00	3.44E+01	3.78E+00	1.45E+00	4.16E+01	1.94E+00	4.35E-04	3.78E-01	2.84E-01	2.61E+00
49	486173.61	3855236.51	1.36E+00	3.57E-04	5.58E-01	2.77E-01	2.19E+00	1.79E+00	3.42E+01	5.58E+00	1.42E+00	4.30E+01	1.74E+00	4.32E-04	5.58E-01	2.77E-01	2.57E+00
50	486223.61	3855236.51	1.16E+00	3.55E-04	7.89E-01	2.68E-01	2.21E+00	1.53E+00	3.41E+01	7.89E+00	1.37E+00	4.49E+01	1.48E+00	4.30E-04	7.89E-01	2.68E-01	2.54E+00
51	486273.61	3855236.51	9.18E-01	3.55E-04	1.09E+00	2.59E-01	2.26E+00	1.21E+00	3.40E+01	1.09E+01	1.32E+00	4.74E+01	1.18E+00	4.30E-04	1.09E+00	2.59E-01	2.52E+00
52	486323.61	3855236.51	9.19E-01	3.55E-04	1.27E+00	2.44E-01	2.44E+00	1.21E+00	3.41E+01	1.27E+01	1.25E+00	4.93E+01	1.18E+00	4.30E-04	1.27E+00	2.44E-01	2.70E+00
53	485973.61	3855286.51	2.05E+00	3.69E-04	6.18E-01	2.88E-01	2.96E+00	2.71E+00	3.54E+01	6.18E+00	1.47E+00	4.58E+01	2.63E+00	4.48E-04	6.18E-01	2.88E-01	3.54E+00
54	486023.61	3855286.51	1.91E+00	3.66E-04	5.41E-01	2.84E-01	2.74E+00	2.53E+00	3.51E+01	5.41E+00	1.45E+00	4.45E+01	2.45E+00	4.43E-04	5.41E-01	2.84E-01	3.28E+00
55	486073.61	3855286.51	1.78E+00	3.63E-04	4.38E-01	2.77E-01	2.50E+00	2.35E+00	3.48E+01	4.38E+00	1.41E+00	4.29E+01	2.29E+00	4.39E-04	4.38E-01	2.77E-01	3.00E+00
56	486123.61	3855286.51	1.63E+00	3.60E-04	3.33E-01	2.68E-01	2.23E+00	2.15E+00	3.45E+01	3.33E+00	1.37E+00	4.13E+01	2.09E+00	4.36E-04	3.33E-01	2.68E-01	2.69E+00
57	486173.61	3855286.51	1.46E+00	3.57E-04	4.32E-01	2.58E-01	2.15E+00	1.93E+00	3.43E+01	4.32E+00	1.32E+00	4.18E+01	1.87E+00	4.33E-04	4.32E-01	2.58E-01	2.56E+00

58	486223.61	3855286.51	1.28E+00	3.56E-04	6.28E-01	2.45E-01	2.15E+00	1.69E+00	3.41E+01	6.28E+00	1.25E+00	4.33E+01	1.64E+00	4.31E-04	6.28E-01	2.45E-01	2.51E+00
59	486123.61	3855336.51	1.74E+00	3.61E-04	4.17E-01	2.42E-01	2.40E+00	2.30E+00	3.46E+01	4.17E+00	1.24E+00	4.23E+01	2.23E+00	4.37E-04	4.17E-01	2.42E-01	2.89E+00
60	486173.61	3855336.51	1.59E+00	3.58E-04	3.17E-01	2.29E-01	2.14E+00	2.10E+00	3.43E+01	3.17E+00	1.17E+00	4.08E+01	2.04E+00	4.34E-04	3.17E-01	2.29E-01	2.59E+00
61	486223.61	3855336.51	1.40E+00	3.56E-04	4.85E-01	2.16E-01	2.10E+00	1.85E+00	3.42E+01	4.85E+00	1.10E+00	4.20E+01	1.79E+00	4.31E-04	4.85E-01	2.16E-01	2.50E+00
62	486123.61	3855386.51	1.86E+00	3.62E-04	5.00E-01	2.11E-01	2.58E+00	2.46E+00	3.47E+01	5.00E+00	1.08E+00	4.32E+01	2.39E+00	4.38E-04	5.00E-01	2.11E-01	3.10E+00
63	486173.61	3855386.51	1.72E+00	3.59E-04	3.85E-01	1.99E-01	2.30E+00	2.27E+00	3.44E+01	3.85E+00	1.01E+00	4.16E+01	2.20E+00	4.35E-04	3.85E-01	1.99E-01	2.78E+00
64	486223.61	3855386.51	1.54E+00	3.57E-04	3.59E-01	1.89E-01	2.09E+00	2.04E+00	3.42E+01	3.59E+00	9.67E-01	4.08E+01	1.98E+00	4.32E-04	3.59E-01	1.89E-01	2.52E+00
65	486533.18	3855443.15	1.16E+00	3.60E-04	1.59E+00	1.68E-01	2.92E+00	1.53E+00	3.45E+01	1.59E+01	8.61E-01	5.28E+01	1.49E+00	4.36E-04	1.59E+00	1.68E-01	3.25E+00
66	486583.18	3855443.15	1.11E+00	3.62E-04	1.75E+00	1.68E-01	3.03E+00	1.46E+00	3.47E+01	1.75E+01	8.56E-01	5.46E+01	1.42E+00	4.39E-04	1.75E+00	1.68E-01	3.34E+00
67	486633.18	3855443.15	1.05E+00	3.64E-04	1.81E+00	1.69E-01	3.03E+00	1.39E+00	3.49E+01	1.81E+01	8.64E-01	5.52E+01	1.35E+00	4.41E-04	1.81E+00	1.69E-01	3.33E+00
68	486683.18	3855443.15	1.03E+00	3.65E-04	1.71E+00	1.68E-01	2.91E+00	1.36E+00	3.50E+01	1.71E+01	8.61E-01	5.44E+01	1.32E+00	4.42E-04	1.71E+00	1.68E-01	3.20E+00
69	486533.18	3855493.15	1.27E+00	3.59E-04	1.44E+00	1.70E-01	2.88E+00	1.68E+00	3.45E+01	1.44E+01	8.70E-01	5.14E+01	1.63E+00	4.35E-04	1.44E+00	1.70E-01	3.24E+00
70	486583.18	3855493.15	1.23E+00	3.62E-04	1.64E+00	1.76E-01	3.04E+00	1.62E+00	3.47E+01	1.64E+01	8.98E-01	5.36E+01	1.57E+00	4.38E-04	1.64E+00	1.76E-01	3.39E+00
71	486633.18	3855493.15	1.17E+00	3.64E-04	1.76E+00	1.84E-01	3.12E+00	1.55E+00	3.49E+01	1.76E+01	9.38E-01	5.50E+01	1.51E+00	4.41E-04	1.76E+00	1.84E-01	3.45E+00
72	486683.18	3855493.15	1.13E+00	3.65E-04	1.76E+00	1.91E-01	3.08E+00	1.49E+00	3.50E+01	1.76E+01	9.74E-01	5.51E+01	1.45E+00	4.43E-04	1.76E+00	1.91E-01	3.40E+00
73	486533.18	3855543.15	1.38E+00	3.59E-04	1.25E+00	2.05E-01	2.84E+00	1.82E+00	3.44E+01	1.25E+01	1.05E+00	4.98E+01	1.77E+00	4.35E-04	1.25E+00	2.05E-01	3.23E+00
74	486583.18	3855543.15	1.30E+00	3.61E-04	1.52E+00	2.12E-01	3.04E+00	1.72E+00	3.46E+01	1.52E+01	1.08E+00	5.27E+01	1.66E+00	4.37E-04	1.52E+00	2.12E-01	3.40E+00
75	486633.18	3855543.15	1.25E+00	3.63E-04	1.69E+00	2.17E-01	3.17E+00	1.66E+00	3.49E+01	1.69E+01	1.11E+00	5.46E+01	1.61E+00	4.40E-04	1.69E+00	2.17E-01	3.52E+00
76	486683.18	3855543.15	1.18E+00	3.65E-04	1.80E+00	2.21E-01	3.20E+00	1.55E+00	3.50E+01	1.80E+01	1.13E+00	5.57E+01	1.51E+00	4.43E-04	1.80E+00	2.21E-01	3.53E+00
77	486533.18	3855593.15	1.46E+00	3.58E-04	1.07E+00	2.32E-01	2.77E+00	1.93E+00	3.43E+01	1.07E+01	1.18E+00	4.82E+01	1.88E+00	4.34E-04	1.07E+00	2.32E-01	3.18E+00
78	486583.18	3855593.15	1.39E+00	3.60E-04	1.35E+00	2.34E-01	2.98E+00	1.83E+00	3.46E+01	1.35E+01	1.20E+00	5.11E+01	1.78E+00	4.37E-04	1.35E+00	2.34E-01	3.37E+00
79	486633.18	3855593.15	1.33E+00	3.63E-04	1.59E+00	2.35E-01	3.15E+00	1.75E+00	3.48E+01	1.59E+01	1.20E+00	5.36E+01	1.70E+00	4.40E-04	1.59E+00	2.35E-01	3.52E+00
80	486683.18	3855593.15	1.29E+00	3.65E-04	1.71E+00	2.35E-01	3.23E+00	1.70E+00	3.50E+01	1.71E+01	1.20E+00	5.51E+01	1.65E+00	4.42E-04	1.71E+00	2.35E-01	3.60E+00
81	486533.18	3855643.15	1.55E+00	3.57E-04	8.85E-01	2.40E-01	2.68E+00	2.05E+00	3.43E+01	8.85E+00	1.23E+00	4.64E+01	1.99E+00	4.33E-04	8.85E-01	2.40E-01	3.12E+00
82	486583.18	3855643.15	1.48E+00	3.60E-04	1.16E+00	2.39E-01	2.88E+00	1.96E+00	3.45E+01	1.16E+01	1.22E+00	4.93E+01	1.90E+00	4.36E-04	1.16E+00	2.39E-01	3.30E+00
83	486633.18	3855643.15	1.41E+00	3.62E-04	1.43E+00	2.36E-01	3.08E+00	1.87E+00	3.48E+01	1.43E+01	1.21E+00	5.21E+01	1.81E+00	4.39E-04	1.43E+00	2.36E-01	3.48E+00
84	486683.18	3855643.15	1.36E+00	3.65E-04	1.63E+00	2.32E-01	3.22E+00	1.79E+00	3.50E+01	1.63E+01	1.19E+00	5.42E+01	1.74E+00	4.42E-04	1.63E+00	2.32E-01	3.60E+00
85	486533.18	3855693.15	1.67E+00	3.57E-04	6.94E-01	2.31E-01	2.59E+00	2.20E+00	3.42E+01	6.94E+00	1.18E+00	4.45E+01	2.14E+00	4.32E-04	6.94E-01	2.31E-01	3.06E+00
86	486583.18	3855693.15	1.56E+00	3.59E-04	9.83E-01	2.27E-01	2.77E+00	2.05E+00	3.44E+01	9.83E+00	1.16E+00	4.75E+01	1.99E+00	4.35E-04	9.83E-01	2.27E-01	3.21E+00
87	486633.18	3855693.15	1.44E+00	3.62E-04	1.30E+00	2.23E-01	2.97E+00	1.91E+00	3.47E+01	1.30E+01	1.14E+00	5.07E+01	1.85E+00	4.38E-04	1.30E+00	2.23E-01	3.38E+00
88	486683.18	3855693.15	1.43E+00	3.64E-04	1.50E+00	2.25E-01	3.16E+00	1.89E+00	3.49E+01	1.50E+01	1.15E+00	5.30E+01	1.83E+00	4.41E-04	1.50E+00	2.25E-01	3.56E+00
89	486733.18	3855693.15	1.45E+00	3.67E-04	1.58E+00	2.25E-01	3.25E+00	1.91E+00	3.52E+01	1.58E+01	1.15E+00	5.40E+01	1.86E+00	4.44E-04	1.58E+00	2.25E-01	3.66E+00
90	486783.18	3855693.15	1.48E+00	3.68E-04	1.51E+00	2.23E-01	3.22E+00	1.96E+00	3.53E+01	1.51E+01	1.14E+00	5.36E+01	1.90E+00	4.46E-04	1.51E+00	2.23E-01	3.64E+00
91	486533.18	3855743.15	1.88E+00	3.56E-04	5.37E-01	2.37E-01	2.65E+00	2.48E+00	3.42E+01	5.37E+00	1.21E+00	4.32E+01	2.41E+00	4.31E-04	5.37E-01	2.37E-01	3.18E+00
92	486583.18	3855743.15	1.72E+00	3.58E-04	8.17E-01	2.41E-01	2.78E+00	2.27E+00	3.43E+01	8.17E+00	1.23E+00	4.60E+01	2.20E+00	4.34E-04	8.17E-01	2.41E-01	3.26E+00
93	486633.18	3855743.15	1.61E+00	3.61E-04	1.11E+00	2.43E-01	2.96E+00	2.12E+00	3.46E+01	1.11E+01	1.24E+00	4.91E+01	2.06E+00	4.37E-04	1.11E+00	2.43E-01	3.41E+00
94	486683.18	3855743.15	1.56E+00	3.64E-04	1.32E+00	2.40E-01	3.12E+00	2.06E+00	3.49E+01	1.32E+01	1.23E+00	5.14E+01	2.00E+00	4.41E-04	1.32E+00	2.40E-01	3.56E+00
95	486733.18	3855743.15	1.51E+00	3.67E-04	1.49E+00	2.38E-01	3.24E+00	1.99E+00	3.52E+01	1.49E+01	1.22E+00	5.33E+01	1.93E+00	4.44E-04	1.49E+00	2.38E-01	3.67E+00
96	486783.18	3855743.15	1.56E+00	3.69E-04	1.47E+00	2.33E-01	3.27E+00	2.07E+00	3.54E+01	1.47E+01	1.19E+00	5.33E+01	2.00E+00	4.47E-04	1.47E+00	2.33E-01	3.71E+00
97	486533.18	3855793.15	2.08E+00	5.09E-04	3.99E-01	2.45E-01	2.72E+00	2.74E+00	4.88E+01	3.99E+00	1.25E+00	5.68E+01	2.66E+00	6.16E-04	3.99E-01	2.45E-01	3.31E+00
98	486583.18	3855793.15	1.87E+00	3.57E-04	6.65E-01	2.48E-01	2.78E+00	2.47E+00	3.43E+01	6.65E+00	1.27E+00	4.46E+01	2.40E+00	4.33E-04	6.65E-01	2.48E-01	3.31E+00
99	486633.18	3855793.15	1.83E+00	3.60E-04	8.91E-01	2.44E-01	2.97E+00	2.42E+00	3.45E+01	8.91E+00	1.24E+00	4.71E+01	2.35E+00	4.36E-04	8.91E-01	2.44E-01	3.48E+00
100	486683.18	3855793.15	1.80E+00	3.63E-04	1.11E+00	2.38E-01	3.14E+00	2.37E+00	3.48E+01	1.11E+01	1.22E+00	4.95E+01	2.30E+00	4.40E-04	1.11E+00	2.38E-01	3.65E+00
101	486733.18	3855793.15	1.74E+00	3.66E-04	1.30E+00	2.33E-01	3.28E+00	2.30E+00	3.51E+01	1.30E+01	1.19E+00	5.16E+01	2.23E+00	4.44E-04	1.30E+00	2.33E-01	3.77E+00
102	486783.18	3855793.15	1.69E+00	3.69E-04	1.40E+00	2.28E-01	3.32E+00	2.24E+00	3.54E+01	1.40E+01	1.16E+00	5.28E+01	2.17E+00	4.47E-04	1.40E+00	2.28E-01	3.80E+00
103	486533.18	3855843.15	2.20E+00	5.10E-04	3.06E-01	2.38E-01	2.74E+00	2.90E+00	4.90E+01	3.06E+00	1.21E+00	5.61E+01	2.81E+00	6.18E-04	3.06E-01	2.38E-01	3.36E+00
104	486583.18	3855843.15	2.03E+00	3.56E-04	5.00E-01	2.37E-01	2.77E+00	2.69E+00	3.42E+01	5.00E+00	1.21E+00	4.31E+01	2.61E+00	4.32E-04	5.00E-01	2.37E-01	3.34E+00
105	486633.18	3855843.15	2.00E+00	3.59E-04	7.02E-01	2.30E-01	2.94E+00	2.65E+00	3.44E+01	7.02E+00	1.17E+00	4.53E+01	2.57E+00	4.35E-04	7.02E-01	2.30E-01	3.50E+00
106	486683.18	3855843.15	1.97E+00	3.62E-04	9.17E-01	2.23E-01	3.11E+00	2.60E+00	3.48E+01	9.17E+00	1.14E+00	4.77E+01	2.53E+00	4.39E-04	9.17E-01	2.23E-01	3.67E+00
107	486733.18	3855843.15	1.94E+00	4.54E-04	1.11E+00	2.16E-01	3.27E+00	2.56E+00	4.36E+01	1.11E+01	1.10E+00	5.84E+01	2.48E+00	5.50E-04	1.11E+00	2.16E-01	3.81E+00
108	486783.18	3855843.15	1.89E+00	4.37E-04	1.27E+00	2.10E-01	3.36E+00	2.49E+00	4.19E+01	1.27E+01	1.07E+00	5.81E+01	2.42E+00	5.29E-04	1.27E+00	2.10E-01	3.90E+00
109	486533.18	3855893.15	2.23E+00	5.12E-04	4.22E-01	2.19E-01	2.87E+00	2.95E+00	4.91E+01	4.22E+00	1.12E+00	5.74E+01	2.86E+00	6.20E-04	4.22E-01	2.19E-01	3.50E+00
110	486583.18	3855893.15	2.19E+00	4.99E-04	3.56E-01	2.12E-01	2.76E+00	2.90E+00	4.79E+01	3.56E+00	1.08E+00	5.54E+01	2.81E+00	6.05E-04	3.56E-01	2.12E-01	3.38E+00
111	486633.18	3855893.15	2.15E+00	4.86E-04	5.33E-01	2.08E-01	2.89E+00	2.84E+00	4.66E+01	5.33E+00	1.06E+00	5.59E+01	2.75E+00	5.89E-04	5.33E-01	2.08E-01	3.49E+00
112	486683.18	3855893.15	2.12E+00	4.72E-04	7.33E-01	2.04E-01	3.05E+00	2.80E+00	4.53E+01	7.33E+00	1.04E+00	5.64E+01	2.71E+00	5.72E-04	7.33E-01	2.04E-01	3.65E+00
113	486733.18	3855893.15	2.08E+00	4.57E-04	9.37E-01	2.00E-01	3.22E+00	2.75E+00	4.38E+01	9.37E+00	1.02E+00	5.70E+01	2.67E+00	5.53E-04	9.37E-01	2.00E-01	3.81E+00
114	486783.18	3855893.15	2.06E+00	4.40E-04	1.10E+00	1.96E-01	3.35E+00	2.72E+00	4.22E+01	1.10E+01	1.00E+00	5.69E+01	2.64E+00	5.33E-04	1.10E+00	1.96E-01	3.93E+00
115	486533.18	3855943.15	2.34E+00	5.14E-04	5.27E-01	2.20E-01	3.09E+00	3.09E+00	4.93E+01	5.27E+00	1.12E+00	5.88E+01	3.00E+00	6.22E-04	5.27E-01	2.20E-01	3.75E+00
116	486583.18	3855943.15	2.35E+00	5.02E-04	3.65E-01	2.15E-01	2.93E+00	3.10E+00	4.81E+01	3.65E+00	1.10E+00	5.60E+01	3.01E+00	6.08E-04	3.65E-01	2.15E-01	3.59E+00
117	486633.18	3855943.15	2.28E+00	4.88E-04	3.89E-01	2.13E-01	2.88E+00	3.01E+00	4.68E+01	3.89E+00	1.09E+00	5.48E+01	2.93E+00	5.92E-04	3.89E-01	2.13E-01	3.53E+00
118	486683.18	3855943.15	2.26E+00	4.74E-04	5.56E-01	2.09E-01	3.03E+00	2.99E+00	4.55E+01	5.56E+00	1.07E+00	5.51E+01	2.90E+00	5.75E-04	5.56E-01	2.09E-01	3.67E+00

119	486733.18	3855943.15	2.21E+00	4.59E-04	7.60E-01	2.05E-01	3.18E+00	2.93E+00	4.40E+01	7.60E+00	1.05E+00	5.56E+01	2.84E+00	5.56E-04	7.60E-01	2.05E-01	3.81E+00
120	486783.18	3855943.15	2.19E+00	4.43E-04	9.29E-01	2.01E-01	3.32E+00	2.90E+00	4.25E+01	9.29E+00	1.02E+00	5.57E+01	2.81E+00	5.36E-04	9.29E-01	2.01E-01	3.94E+00
121	486533.18	3855993.15	2.50E+00	5.16E-04	6.10E-01	2.23E-01	3.33E+00	3.30E+00	4.95E+01	6.10E+00	1.14E+00	6.00E+01	3.20E+00	6.25E-04	6.10E-01	2.23E-01	4.04E+00
122	486583.18	3855993.15	2.46E+00	5.04E-04	4.61E-01	2.18E-01	3.14E+00	3.25E+00	4.83E+01	4.61E+00	1.11E+00	5.73E+01	3.16E+00	6.10E-04	4.61E-01	2.18E-01	3.84E+00
123	486633.18	3855993.15	2.42E+00	4.90E-04	3.20E-01	2.13E-01	2.95E+00	3.19E+00	4.70E+01	3.20E+00	1.09E+00	5.45E+01	3.10E+00	5.94E-04	3.20E-01	2.13E-01	3.63E+00
124	486683.18	3855993.15	2.39E+00	4.77E-04	4.11E-01	2.07E-01	3.01E+00	3.16E+00	4.57E+01	4.11E+00	1.06E+00	5.40E+01	3.07E+00	5.77E-04	4.11E-01	2.07E-01	3.68E+00
125	486733.18	3855993.15	2.35E+00	4.62E-04	5.89E-01	2.02E-01	3.14E+00	3.10E+00	4.43E+01	5.89E+00	1.03E+00	5.43E+01	3.01E+00	5.59E-04	5.89E-01	2.02E-01	3.80E+00
126	486783.18	3855993.15	2.31E+00	4.45E-04	7.70E-01	1.97E-01	3.28E+00	3.05E+00	4.27E+01	7.70E+00	1.01E+00	5.45E+01	2.96E+00	5.39E-04	7.70E-01	1.97E-01	3.93E+00
127	486533.18	3856043.15	2.70E+00	5.18E-04	6.78E-01	2.10E-01	3.59E+00	3.57E+00	4.96E+01	6.78E+00	1.07E+00	6.11E+01	3.47E+00	6.27E-04	6.78E-01	2.10E-01	4.36E+00
128	486583.18	3856043.15	2.62E+00	5.06E-04	5.42E-01	2.03E-01	3.37E+00	3.46E+00	4.85E+01	5.42E+00	1.04E+00	5.84E+01	3.36E+00	6.13E-04	5.42E-01	2.03E-01	4.10E+00
129	486633.18	3856043.15	2.55E+00	4.93E-04	4.07E-01	1.98E-01	3.16E+00	3.37E+00	4.72E+01	4.07E+00	1.01E+00	5.57E+01	3.27E+00	5.97E-04	4.07E-01	1.98E-01	3.88E+00
130	486683.18	3856043.15	2.53E+00	4.79E-04	2.90E-01	1.91E-01	3.01E+00	3.34E+00	4.59E+01	2.90E+00	9.78E-01	5.31E+01	3.24E+00	5.80E-04	2.90E-01	1.91E-01	3.72E+00
131	486733.18	3856043.15	2.47E+00	4.64E-04	4.43E-01	1.87E-01	3.10E+00	3.26E+00	4.45E+01	4.43E+00	9.53E-01	5.31E+01	3.16E+00	5.62E-04	4.43E-01	1.87E-01	3.79E+00
132	486783.18	3856043.15	2.44E+00	4.48E-04	6.00E-01	1.80E-01	3.22E+00	3.23E+00	4.30E+01	6.00E+00	9.20E-01	5.31E+01	3.13E+00	5.43E-04	6.00E-01	1.80E-01	3.91E+00
133	486533.18	3856093.15	2.97E+00	5.20E-04	7.01E-01	1.94E-01	3.87E+00	3.93E+00	4.98E+01	7.01E+00	9.89E-01	6.18E+01	3.81E+00	6.29E-04	7.01E-01	1.94E-01	4.71E+00
134	486583.18	3856093.15	2.87E+00	5.08E-04	6.12E-01	1.89E-01	3.67E+00	3.79E+00	4.87E+01	6.12E+00	9.65E-01	5.96E+01	3.68E+00	6.15E-04	6.12E-01	1.89E-01	4.48E+00
135	486633.18	3856093.15	2.76E+00	4.95E-04	4.89E-01	1.85E-01	3.43E+00	3.64E+00	4.74E+01	4.89E+00	9.43E-01	5.69E+01	3.53E+00	5.99E-04	4.89E-01	1.85E-01	4.21E+00
136	486683.18	3856093.15	2.67E+00	4.81E-04	3.48E-01	1.79E-01	3.20E+00	3.53E+00	4.61E+01	3.48E+00	9.17E-01	5.40E+01	3.42E+00	5.83E-04	3.48E-01	1.79E-01	3.95E+00
137	486733.18	3856093.15	2.61E+00	4.66E-04	3.17E-01	1.75E-01	3.10E+00	3.44E+00	4.47E+01	3.17E+00	8.94E-01	5.22E+01	3.34E+00	5.65E-04	3.17E-01	1.75E-01	3.83E+00
138	486783.18	3856093.15	2.56E+00	4.51E-04	4.59E-01	1.70E-01	3.19E+00	3.39E+00	4.32E+01	4.59E+00	8.68E-01	5.21E+01	3.29E+00	5.46E-04	4.59E-01	1.70E-01	3.92E+00
139	486533.18	3856143.15	3.22E+00	5.21E-04	6.99E-01	1.78E-01	4.10E+00	4.25E+00	5.00E+01	6.99E+00	9.10E-01	6.22E+01	4.13E+00	6.32E-04	6.99E-01	1.78E-01	5.01E+00
140	486583.18	3856143.15	3.08E+00	5.10E-04	6.64E-01	1.74E-01	3.92E+00	4.07E+00	4.89E+01	6.64E+00	8.88E-01	6.05E+01	3.95E+00	6.17E-04	6.64E-01	1.74E-01	4.79E+00
141	486633.18	3856143.15	2.99E+00	4.97E-04	5.59E-01	1.69E-01	3.72E+00	3.95E+00	4.76E+01	5.59E+00	8.62E-01	5.80E+01	3.83E+00	6.02E-04	5.59E-01	1.69E-01	4.56E+00
142	486683.18	3856143.15	2.89E+00	4.83E-04	4.31E-01	1.64E-01	3.48E+00	3.82E+00	4.63E+01	4.31E+00	8.37E-01	5.53E+01	3.70E+00	5.85E-04	4.31E-01	1.64E-01	4.30E+00
143	486733.18	3856143.15	2.78E+00	4.69E-04	3.00E-01	1.59E-01	3.24E+00	3.68E+00	4.49E+01	3.00E+00	8.13E-01	5.24E+01	3.57E+00	5.68E-04	3.00E-01	1.59E-01	4.03E+00
144	486783.18	3856143.15	2.73E+00	4.53E-04	3.27E-01	1.54E-01	3.21E+00	3.60E+00	4.35E+01	3.27E+00	7.84E-01	5.11E+01	3.50E+00	5.49E-04	3.27E-01	1.54E-01	3.98E+00
145	486533.18	3856193.15	3.66E+00	5.23E-04	6.49E-01	1.52E-01	4.46E+00	4.83E+00	5.02E+01	6.49E+00	7.79E-01	6.23E+01	4.69E+00	6.34E-04	6.49E-01	1.52E-01	5.49E+00
146	486583.18	3856193.15	3.41E+00	5.11E-04	6.70E-01	1.49E-01	4.23E+00	4.51E+00	4.91E+01	6.70E+00	7.62E-01	6.10E+01	4.37E+00	6.20E-04	6.70E-01	1.49E-01	5.19E+00
147	486633.18	3856193.15	3.20E+00	4.99E-04	6.08E-01	1.45E-01	3.96E+00	4.23E+00	4.78E+01	6.08E+00	7.40E-01	5.89E+01	4.11E+00	6.04E-04	6.08E-01	1.45E-01	4.86E+00
148	486683.18	3856193.15	3.12E+00	4.85E-04	4.93E-01	1.40E-01	3.76E+00	4.13E+00	4.65E+01	4.93E+00	7.16E-01	5.63E+01	4.00E+00	5.88E-04	4.93E-01	1.40E-01	4.64E+00
149	486733.18	3856193.15	3.01E+00	4.71E-04	3.74E-01	1.37E-01	3.52E+00	3.98E+00	4.52E+01	3.74E+00	6.98E-01	5.36E+01	3.86E+00	5.71E-04	3.74E-01	1.37E-01	4.37E+00
150	486783.18	3856193.15	2.93E+00	4.57E-04	2.44E-01	1.32E-01	3.30E+00	3.86E+00	4.38E+01	2.44E+00	6.74E-01	5.08E+01	3.75E+00	5.53E-04	2.44E-01	1.32E-01	4.13E+00
151	486533.18	3856243.15	4.05E+00	5.25E-04	5.75E-01	1.84E-01	4.81E+00	5.35E+00	5.04E+01	5.75E+00	9.41E-01	6.24E+01	5.19E+00	6.36E-04	5.75E-01	1.84E-01	5.95E+00
152	486583.18	3856243.15	3.82E+00	5.14E-04	6.24E-01	1.80E-01	4.63E+00	5.05E+00	4.93E+01	6.24E+00	9.17E-01	6.15E+01	4.90E+00	6.22E-04	6.24E-01	1.80E-01	5.71E+00
153	486633.18	3856243.15	3.61E+00	5.01E-04	6.17E-01	1.75E-01	4.40E+00	4.76E+00	4.80E+01	6.17E+00	8.93E-01	5.99E+01	4.62E+00	6.07E-04	6.17E-01	1.75E-01	5.41E+00
154	486683.18	3856243.15	3.40E+00	4.87E-04	5.48E-01	1.69E-01	4.11E+00	4.48E+00	4.67E+01	5.48E+00	8.65E-01	5.76E+01	4.35E+00	5.90E-04	5.48E-01	1.69E-01	5.07E+00
155	486733.18	3856243.15	3.23E+00	4.79E-04	4.35E-01	1.64E-01	3.83E+00	4.27E+00	4.59E+01	4.35E+00	8.36E-01	5.54E+01	4.14E+00	5.80E-04	4.35E-01	1.64E-01	4.74E+00
156	486783.18	3856243.15	3.13E+00	4.80E-04	3.16E-01	1.59E-01	3.60E+00	4.13E+00	4.61E+01	3.16E+00	8.11E-01	5.41E+01	4.01E+00	5.82E-04	3.16E-01	1.59E-01	4.48E+00
157	486533.18	3856293.15	4.68E+00	5.27E-04	4.72E-01	2.14E-01	5.36E+00	6.18E+00	5.05E+01	4.72E+00	1.09E+00	6.25E+01	5.99E+00	6.39E-04	4.72E-01	2.14E-01	6.68E+00
158	486583.18	3856293.15	4.27E+00	5.16E-04	5.54E-01	2.08E-01	5.03E+00	5.64E+00	4.94E+01	5.54E+00	1.07E+00	6.17E+01	5.48E+00	6.25E-04	5.54E-01	2.08E-01	6.24E+00
159	486633.18	3856293.15	3.98E+00	5.03E-04	5.89E-01	2.03E-01	4.77E+00	5.26E+00	4.82E+01	5.89E+00	1.04E+00	6.04E+01	5.11E+00	6.09E-04	5.89E-01	2.03E-01	5.90E+00
160	486683.18	3856293.15	3.77E+00	5.01E-04	5.67E-01	1.97E-01	4.54E+00	4.98E+00	4.80E+01	5.67E+00	1.00E+00	5.97E+01	4.84E+00	6.07E-04	5.67E-01	1.97E-01	5.60E+00
161	486733.18	3856293.15	3.57E+00	5.02E-04	4.82E-01	1.89E-01	4.25E+00	4.72E+00	4.82E+01	4.82E+00	9.68E-01	5.87E+01	4.58E+00	6.08E-04	4.82E-01	1.89E-01	5.26E+00
162	486783.18	3856293.15	3.36E+00	5.03E-04	3.80E-01	1.84E-01	3.92E+00	4.44E+00	4.83E+01	3.80E+00	9.39E-01	5.75E+01	4.31E+00	6.10E-04	3.80E-01	1.84E-01	4.87E+00
163	486783.18	3856343.15	3.73E+00	5.26E-04	4.21E-01	1.97E-01	4.34E+00	4.92E+00	5.05E+01	4.21E+00	1.00E+00	6.06E+01	4.78E+00	6.38E-04	4.21E-01	1.97E-01	5.40E+00
164	486833.18	3856343.15	3.52E+00	5.27E-04	3.19E-01	1.90E-01	4.02E+00	4.64E+00	5.06E+01	3.19E+00	9.72E-01	5.94E+01	4.51E+00	6.39E-04	3.19E-01	1.90E-01	5.02E+00
165	486883.18	3856343.15	3.32E+00	5.29E-04	2.31E-01	1.84E-01	3.73E+00	4.38E+00	5.07E+01	2.31E+00	9.39E-01	5.83E+01	4.25E+00	6.40E-04	2.31E-01	1.84E-01	4.67E+00
166	486783.18	3856393.15	4.06E+00	5.48E-04	4.56E-01	2.10E-01	4.72E+00	5.36E+00	5.26E+01	4.56E+00	1.07E+00	6.36E+01	5.20E+00	6.64E-04	4.56E-01	2.10E-01	5.87E+00
167	486833.18	3856393.15	3.85E+00	5.49E-04	3.73E-01	2.02E-01	4.42E+00	5.08E+00	5.27E+01	3.73E+00	1.03E+00	6.25E+01	4.93E+00	6.65E-04	3.73E-01	2.02E-01	5.51E+00
168	486883.18	3856393.15	3.63E+00	5.50E-04	2.78E-01	1.96E-01	4.11E+00	4.80E+00	5.28E+01	2.78E+00	1.00E+00	6.13E+01	4.66E+00	6.67E-04	2.78E-01	1.96E-01	5.13E+00
169	487208.74	3856886.11	5.68E+00	7.18E-04	3.13E-01	1.59E-01	6.15E+00	7.50E+00	6.89E+01	3.13E+00	8.14E-01	8.03E+01	7.28E+00	8.70E-04	3.13E-01	1.59E-01	7.75E+00
170	487258.74	3856886.11	5.29E+00	7.31E-04	3.36E-01	1.56E-01	5.78E+00	6.99E+00	7.01E+01	3.36E+00	7.97E-01	8.13E+01	6.78E+00	8.86E-04	3.36E-01	1.56E-01	7.27E+00
171	487308.74	3856886.11	4.95E+00	7.38E-04	4.03E-01	1.53E-01	5.50E+00	6.53E+00	7.08E+01	4.03E+00	7.79E-01	8.21E+01	6.34E+00	8.94E-04	4.03E-01	1.53E-01	6.90E+00
172	487358.74	3856886.11	4.63E+00	7.34E-04	4.77E-01	1.49E-01	5.26E+00	6.12E+00	7.04E+01	4.77E+00	7.63E-01	8.20E+01	5.94E+00	8.89E-04	4.77E-01	1.49E-01	6.57E+00
173	487208.74	3856936.11	6.23E+00	7.34E-04	3.68E-01	1.44E-01	6.74E+00	8.23E+00	7.04E+01	3.68E+00	7.36E-01	8.31E+01	7.99E+00	8.89E-04	3.68E-01	1.44E-01	8.50E+00
174	487258.74	3856936.11	5.76E+00	7.50E-04	3.13E-01	1.42E-01	6.22E+00	7.61E+00	7.20E+01	3.13E+00	7.24E-01	8.34E+01	7.39E+00	9.09E-04	3.13E-01	1.42E-01	7.85E+00
175	487308.74	3856936.11	5.36E+00	7.61E-04	3.69E-01	1.39E-01	5.87E+00	7.08E+00	7.30E+01	3.69E+00	7.10E-01	8.45E+01	6.87E+00	9.22E-04	3.69E-01	1.39E-01	7.38E+00
176	487358.74	3856936.11	5.02E+00	7.62E-04	4.43E-01	1.36E-01	5.60E+00	6.63E+00	7.30E+01	4.43E+00	6.97E-01	8.48E+01	6.43E+00	9.23E-04	4.43E-01	1.36E-01	7.01E+00
177	487208.74	3856986.11	6.98E+00	7.48E-04	4.29E-01	1.42E-01	7.56E+00	9.23E+00	7.18E+01	4.29E+00	7.26E-01	8.60E+01	8.95E+00	9.07E-04	4.29E-01	1.42E-01	9.53E+00
178	487258.74	3856986.11	6.33E+00	7.73E-04	3.71E-01	1.35E-01	6.84E+00	8.37E+00	7.41E+01	3.71E+00	6.88E-01	8.69E+01	8.12E+00	9.36E-04	3.71E-01	1.35E-01	8.63E+00
179	487308.74	3856986.11	5.84E+00	7.82E-04	3.34E-01	1.28E-01	6.30E+00	7.71E+00	7.50E+01	3.34E+00	6.55E-01	8.67E+01	7.48E+00	9.47E-04	3.34E-01	1.28E-01	7.94E+00

180	487358.74	3856986.11	5.42E+00	7.89E-04	4.07E-01	1.21E-01	5.95E+00	7.16E+00	7.57E+01	4.07E+00	6.18E-01	8.75E+01	6.95E+00	9.56E-04	4.07E-01	1.21E-01	7.48E+00
181	487208.74	3857036.11	7.93E+00	7.60E-04	4.94E-01	1.47E-01	8.57E+00	1.05E+01	7.29E+01	4.94E+00	7.53E-01	8.91E+01	1.02E+01	9.21E-04	4.94E-01	1.47E-01	1.08E+01
182	487258.74	3857036.11	7.10E+00	7.85E-04	4.34E-01	1.41E-01	7.67E+00	9.38E+00	7.53E+01	4.34E+00	7.20E-01	8.98E+01	9.10E+00	9.51E-04	4.34E-01	1.41E-01	9.67E+00
183	487308.74	3857036.11	6.44E+00	8.06E-04	3.72E-01	1.34E-01	6.95E+00	8.51E+00	7.73E+01	3.72E+00	6.84E-01	9.02E+01	8.26E+00	9.76E-04	3.72E-01	1.34E-01	8.76E+00
184	487358.74	3857036.11	5.89E+00	8.14E-04	3.68E-01	1.28E-01	6.39E+00	7.78E+00	7.81E+01	3.68E+00	6.51E-01	9.02E+01	7.55E+00	9.87E-04	3.68E-01	1.28E-01	8.05E+00
185	487427.14	3856878.23	4.19E+00	7.23E-04	5.90E-01	1.45E-01	4.92E+00	5.53E+00	6.93E+01	5.90E+00	7.41E-01	8.15E+01	5.37E+00	8.76E-04	5.90E-01	1.45E-01	6.10E+00
186	487477.14	3856878.23	3.92E+00	7.10E-04	6.70E-01	1.41E-01	4.73E+00	5.18E+00	6.81E+01	6.70E+00	7.20E-01	8.07E+01	5.03E+00	8.60E-04	6.70E-01	1.41E-01	5.84E+00
187	487527.14	3856878.23	3.67E+00	6.92E-04	7.44E-01	1.37E-01	4.55E+00	4.85E+00	6.63E+01	7.44E+00	7.00E-01	7.93E+01	4.71E+00	8.38E-04	7.44E-01	1.37E-01	5.59E+00
188	487427.14	3856928.23	4.54E+00	7.52E-04	5.60E-01	1.34E-01	5.24E+00	6.00E+00	7.21E+01	5.60E+00	6.85E-01	8.44E+01	5.82E+00	9.11E-04	5.60E-01	1.34E-01	6.52E+00
189	487477.14	3856928.23	4.27E+00	7.35E-04	6.45E-01	1.31E-01	5.04E+00	5.63E+00	7.04E+01	6.45E+00	6.70E-01	8.32E+01	5.47E+00	8.90E-04	6.45E-01	1.31E-01	6.25E+00
190	487527.14	3856928.23	4.01E+00	7.19E-04	7.27E-01	1.28E-01	4.86E+00	5.29E+00	6.89E+01	7.27E+00	6.53E-01	8.21E+01	5.14E+00	8.71E-04	7.27E-01	1.28E-01	5.99E+00
191	487577.14	3856928.23	3.76E+00	7.00E-04	8.00E-01	1.24E-01	4.69E+00	4.97E+00	6.72E+01	8.00E+00	6.35E-01	8.08E+01	4.82E+00	8.48E-04	8.00E-01	1.24E-01	5.75E+00
192	487627.14	3856928.23	3.53E+00	6.75E-04	8.59E-01	1.21E-01	4.51E+00	4.66E+00	6.48E+01	8.59E+00	6.20E-01	7.86E+01	4.53E+00	8.18E-04	8.59E-01	1.21E-01	5.51E+00
193	487677.14	3856928.23	3.38E+00	6.55E-04	8.96E-01	1.18E-01	4.39E+00	4.47E+00	6.28E+01	8.96E+00	6.01E-01	7.69E+01	4.33E+00	7.94E-04	8.96E-01	1.18E-01	5.35E+00
194	487727.14	3856928.23	3.24E+00	6.78E-04	9.08E-01	1.14E-01	4.26E+00	4.28E+00	6.50E+01	9.08E+00	5.80E-01	7.89E+01	4.15E+00	8.21E-04	9.08E-01	1.14E-01	5.17E+00
195	487777.14	3856928.23	3.10E+00	6.94E-04	8.90E-01	1.10E-01	4.10E+00	4.10E+00	6.66E+01	8.90E+00	5.62E-01	8.02E+01	3.98E+00	8.41E-04	8.90E-01	1.10E-01	4.98E+00
196	487427.14	3856978.23	4.90E+00	7.76E-04	5.26E-01	1.20E-01	5.55E+00	6.47E+00	7.44E+01	5.26E+00	6.13E-01	8.68E+01	6.28E+00	9.40E-04	5.26E-01	1.20E-01	6.93E+00
197	487477.14	3856978.23	4.61E+00	7.65E-04	6.15E-01	1.18E-01	5.34E+00	6.08E+00	7.33E+01	6.15E+00	6.01E-01	8.62E+01	5.91E+00	9.26E-04	6.15E-01	1.18E-01	6.64E+00
198	487527.14	3856978.23	4.33E+00	7.49E-04	7.03E-01	1.15E-01	5.15E+00	5.73E+00	7.18E+01	7.03E+00	5.88E-01	8.52E+01	5.56E+00	9.07E-04	7.03E-01	1.15E-01	6.38E+00
199	487577.14	3856978.23	4.08E+00	7.29E-04	7.85E-01	1.13E-01	4.98E+00	5.39E+00	6.99E+01	7.85E+00	5.75E-01	8.37E+01	5.23E+00	8.83E-04	7.85E-01	1.13E-01	6.13E+00
200	487627.14	3856978.23	3.84E+00	7.04E-04	8.54E-01	1.10E-01	4.81E+00	5.08E+00	6.75E+01	8.54E+00	5.64E-01	8.17E+01	4.93E+00	8.53E-04	8.54E-01	1.10E-01	5.89E+00
201	487677.14	3856978.23	3.61E+00	6.84E-04	9.03E-01	1.07E-01	4.62E+00	4.77E+00	6.56E+01	9.03E+00	5.48E-01	7.99E+01	4.63E+00	8.28E-04	9.03E-01	1.07E-01	5.64E+00
202	487727.14	3856978.23	3.42E+00	6.78E-04	9.25E-01	1.06E-01	4.45E+00	4.51E+00	6.50E+01	9.25E+00	5.40E-01	7.93E+01	4.38E+00	8.21E-04	9.25E-01	1.06E-01	5.41E+00
203	487777.14	3856978.23	3.27E+00	7.20E-04	9.16E-01	1.01E-01	4.29E+00	4.32E+00	6.91E+01	9.16E+00	5.15E-01	8.31E+01	4.19E+00	8.72E-04	9.16E-01	1.01E-01	5.21E+00
204	487427.14	3857028.23	5.28E+00	8.07E-04	4.87E-01	1.18E-01	5.89E+00	6.97E+00	7.74E+01	4.87E+00	6.03E-01	8.98E+01	6.77E+00	9.77E-04	4.87E-01	1.18E-01	7.38E+00
205	487477.14	3857028.23	4.95E+00	7.95E-04	5.79E-01	1.12E-01	5.64E+00	6.54E+00	7.63E+01	5.79E+00	5.71E-01	8.92E+01	6.35E+00	9.63E-04	5.79E-01	1.12E-01	7.04E+00
206	487527.14	3857028.23	4.66E+00	7.77E-04	6.72E-01	1.06E-01	5.44E+00	6.16E+00	7.45E+01	6.72E+00	5.41E-01	8.80E+01	5.98E+00	9.41E-04	6.72E-01	1.06E-01	6.76E+00
207	487577.14	3857028.23	4.40E+00	7.59E-04	7.63E-01	9.98E-02	5.26E+00	5.81E+00	7.27E+01	7.63E+00	5.10E-01	8.67E+01	5.63E+00	9.19E-04	7.63E-01	9.98E-02	6.50E+00
208	487627.14	3857028.23	4.15E+00	7.32E-04	8.42E-01	9.71E-02	5.09E+00	5.48E+00	7.02E+01	8.42E+00	4.96E-01	8.46E+01	5.32E+00	8.86E-04	8.42E-01	9.71E-02	6.26E+00
209	487677.14	3857028.23	3.91E+00	7.10E-04	9.03E-01	9.50E-02	4.91E+00	5.17E+00	6.81E+01	9.03E+00	4.85E-01	8.28E+01	5.02E+00	8.61E-04	9.03E-01	9.50E-02	6.01E+00
210	487727.14	3857028.23	3.68E+00	7.17E-04	9.37E-01	9.24E-02	4.71E+00	4.87E+00	6.88E+01	9.37E+00	4.72E-01	8.35E+01	4.72E+00	8.69E-04	9.37E-01	9.24E-02	5.75E+00
211	487777.14	3857028.23	3.47E+00	7.40E-04	9.38E-01	9.00E-02	4.50E+00	4.58E+00	7.09E+01	9.38E+00	4.60E-01	8.54E+01	4.45E+00	8.96E-04	9.38E-01	9.00E-02	5.48E+00
212	487427.14	3857078.23	5.71E+00	8.34E-04	4.44E-01	1.22E-01	6.28E+00	7.54E+00	8.00E+01	4.44E+00	6.25E-01	9.26E+01	7.32E+00	1.01E-03	4.44E-01	1.22E-01	7.89E+00
213	487477.14	3857078.23	5.34E+00	8.22E-04	5.36E-01	1.17E-01	5.99E+00	7.05E+00	7.89E+01	5.36E+00	5.97E-01	9.19E+01	6.84E+00	9.96E-04	5.36E-01	1.17E-01	7.49E+00
214	487527.14	3857078.23	5.00E+00	8.07E-04	6.34E-01	1.11E-01	5.75E+00	6.60E+00	7.74E+01	6.34E+00	5.67E-01	9.10E+01	6.41E+00	9.78E-04	6.34E-01	1.11E-01	7.16E+00
215	487577.14	3857078.23	4.71E+00	7.87E-04	7.32E-01	1.06E-01	5.55E+00	6.23E+00	7.55E+01	7.32E+00	5.39E-01	8.96E+01	6.04E+00	9.54E-04	7.32E-01	1.06E-01	6.88E+00
216	487627.14	3857078.23	4.45E+00	7.63E-04	8.22E-01	1.00E-01	5.37E+00	5.88E+00	7.32E+01	8.22E+00	5.13E-01	8.78E+01	5.71E+00	9.25E-04	8.22E-01	1.00E-01	6.63E+00
217	487677.14	3857078.23	4.20E+00	7.42E-04	8.96E-01	9.48E-02	5.20E+00	5.55E+00	7.11E+01	8.96E+00	4.84E-01	8.61E+01	5.39E+00	8.98E-04	8.96E-01	9.48E-02	6.38E+00
218	487727.14	3857078.23	3.97E+00	7.36E-04	9.43E-01	8.90E-02	5.00E+00	5.25E+00	7.06E+01	9.43E+00	4.55E-01	8.57E+01	5.09E+00	8.92E-04	9.43E-01	8.90E-02	6.12E+00
219	487777.14	3857078.23	3.75E+00	7.55E-04	9.56E-01	8.40E-02	4.79E+00	4.96E+00	7.24E+01	9.56E+00	4.29E-01	8.73E+01	4.81E+00	9.14E-04	9.56E-01	8.40E-02	5.85E+00
220	487427.14	3857128.23	6.30E+00	8.61E-04	3.97E-01	1.23E-01	6.82E+00	8.33E+00	8.26E+01	3.97E+00	6.27E-01	9.55E+01	8.08E+00	1.04E-03	3.97E-01	1.23E-01	8.60E+00
221	487477.14	3857128.23	5.79E+00	8.50E-04	4.89E-01	1.18E-01	6.40E+00	7.65E+00	8.15E+01	4.89E+00	6.04E-01	9.47E+01	7.42E+00	1.03E-03	4.89E-01	1.18E-01	8.03E+00
222	487527.14	3857128.23	5.38E+00	8.33E-04	5.89E-01	1.14E-01	6.09E+00	7.11E+00	7.98E+01	5.89E+00	5.80E-01	9.34E+01	6.90E+00	1.01E-03	5.89E-01	1.14E-01	7.61E+00
223	487577.14	3857128.23	5.05E+00	8.14E-04	6.94E-01	1.08E-01	5.85E+00	6.67E+00	7.81E+01	6.94E+00	5.54E-01	9.23E+01	6.47E+00	9.87E-04	6.94E-01	1.08E-01	7.27E+00
224	487627.14	3857128.23	4.75E+00	7.94E-04	7.94E-01	1.03E-01	5.65E+00	6.28E+00	7.62E+01	7.94E+00	5.28E-01	9.09E+01	6.10E+00	9.62E-04	7.94E-01	1.03E-01	6.99E+00
225	487677.14	3857128.23	4.50E+00	7.68E-04	8.80E-01	9.87E-02	5.48E+00	5.94E+00	7.37E+01	8.80E+00	5.04E-01	8.89E+01	5.76E+00	9.31E-04	8.80E-01	9.87E-02	6.74E+00
226	487727.14	3857128.23	4.25E+00	7.58E-04	9.41E-01	9.30E-02	5.29E+00	5.61E+00	7.27E+01	9.41E+00	4.75E-01	8.82E+01	5.45E+00	9.18E-04	9.41E-01	9.30E-02	6.48E+00
227	487777.14	3857128.23	4.03E+00	7.77E-04	9.68E-01	8.83E-02	5.08E+00	5.32E+00	7.45E+01	9.68E+00	4.51E-01	8.99E+01	5.16E+00	9.41E-04	9.68E-01	8.83E-02	6.22E+00
228	488049.44	3856539.39	2.08E+00	6.17E-04	3.43E-01	9.29E-02	2.52E+00	2.75E+00	5.91E+01	3.43E+00	4.74E-01	6.58E+01	2.67E+00	7.47E-04	3.43E-01	9.29E-02	3.10E+00
229	488099.44	3856539.39	2.04E+00	6.17E-04	3.83E-01	9.00E-02	2.52E+00	2.70E+00	5.92E+01	3.83E+00	4.60E-01	6.62E+01	2.62E+00	7.47E-04	3.83E-01	9.00E-02	3.09E+00
230	488149.44	3856539.39	2.01E+00	6.17E-04	4.14E-01	8.64E-02	2.51E+00	2.65E+00	5.92E+01	4.14E+00	4.41E-01	6.64E+01	2.57E+00	7.48E-04	4.14E-01	8.64E-02	3.07E+00
231	488049.44	3856589.39	2.13E+00	6.28E-04	3.48E-01	9.63E-02	2.57E+00	2.81E+00	6.02E+01	3.48E+00	4.92E-01	6.70E+01	2.72E+00	7.61E-04	3.48E-01	9.63E-02	3.17E+00
232	488099.44	3856589.39	2.09E+00	6.28E-04	3.90E-01	9.30E-02	2.57E+00	2.76E+00	6.02E+01	3.90E+00	4.75E-01	6.74E+01	2.67E+00	7.61E-04	3.90E-01	9.30E-02	3.16E+00
233	488149.44	3856589.39	2.05E+00	6.28E-04	4.22E-01	8.97E-02	2.56E+00	2.71E+00	6.02E+01	4.22E+00	4.58E-01	6.76E+01	2.63E+00	7.61E-04	4.22E-01	8.97E-02	3.14E+00
234	488199.44	3856589.39	2.01E+00	6.28E-04	4.41E-01	8.70E-02	2.54E+00	2.66E+00	6.02E+01	4.41E+00	4.44E-01	6.77E+01	2.58E+00	7.61E-04	4.41E-01	8.70E-02	3.11E+00
235	488249.44	3856589.39	1.98E+00	6.39E-04	4.44E-01	8.18E-02	2.50E+00	2.61E+00	6.13E+01	4.44E+00	4.18E-01	6.87E+01	2.54E+00	7.74E-04	4.44E-01	8.18E-02	3.06E+00
236	488049.44	3856639.39	2.17E+00	6.37E-04	3.54E-01	9.86E-02	2.62E+00	2.87E+00	6.10E+01	3.54E+00	5.04E-01	6.80E+01	2.78E+00	7.71E-04	3.54E-01	9.86E-02	3.24E+00
237	488099.44	3856639.39	2.13E+00	6.36E-04	3.97E-01	9.53E-02	2.62E+00	2.81E+00	6.10E+01	3.97E+00	4.87E-01	6.83E+01	2.73E+00	7.71E-04	3.97E-01	9.53E-02	3.22E+00
238	488149.44	3856639.39	2.09E+00	6.36E-04	4.30E-01	9.20E-02	2.61E+00	2.76E+00	6.10E+01	4.30E+00	4.70E-01	6.85E+01	2.68E+00	7.71E-04	4.30E-01	9.20E-02	3.20E+00
239	488199.44	3856639.39	2.05E+00	6.38E-04	4.48E-01	8.80E-02	2.59E+00	2.71E+00	6.12E+01	4.48E+00	4.49E-01	6.88E+01	2.63E+00	7.73E-04	4.48E-01	8.80E-02	3.17E+00
240	488249.44	3856639.39	2.01E+00	6.58E-04	4.50E-01	8.44E-02	2.55E+00	2.66E+00	6.31E+01	4.50E+00	4.31E-01	7.07E+01	2.58E+00	7.98E-04	4.50E-01	8.44E-02	3.12E+00

241	488299.44	3856639.39	1.98E+00	6.76E-04	5.23E-01	8.09E-02	2.58E+00	2.62E+00	6.48E+01	5.23E+00	4.13E-01	7.31E+01	2.54E+00	8.18E-04	5.23E-01	8.09E-02	3.14E+00
242	488349.44	3856639.39	1.95E+00	6.83E-04	6.18E-01	7.80E-02	2.64E+00	2.57E+00	6.55E+01	6.18E+00	3.99E-01	7.47E+01	2.50E+00	8.28E-04	6.18E-01	7.80E-02	3.19E+00
243	488399.44	3856639.39	1.91E+00	7.00E-04	6.97E-01	7.38E-02	2.68E+00	2.53E+00	6.71E+01	6.97E+00	3.77E-01	7.70E+01	2.45E+00	8.48E-04	6.97E-01	7.38E-02	3.22E+00
244	488099.44	3856689.39	2.17E+00	6.50E-04	4.04E-01	9.55E-02	2.67E+00	2.87E+00	6.23E+01	4.04E+00	4.88E-01	6.97E+01	2.79E+00	7.87E-04	4.04E-01	9.55E-02	3.29E+00
245	488149.44	3856689.39	2.13E+00	6.46E-04	4.37E-01	9.24E-02	2.66E+00	2.82E+00	6.20E+01	4.37E+00	4.72E-01	6.96E+01	2.73E+00	7.83E-04	4.37E-01	9.24E-02	3.26E+00
246	488199.44	3856689.39	2.09E+00	6.63E-04	4.55E-01	8.85E-02	2.63E+00	2.76E+00	6.36E+01	4.55E+00	4.52E-01	7.13E+01	2.68E+00	8.03E-04	4.55E-01	8.85E-02	3.22E+00
247	488249.44	3856689.39	2.05E+00	6.78E-04	4.55E-01	8.57E-02	2.59E+00	2.71E+00	6.50E+01	4.55E+00	4.38E-01	7.27E+01	2.63E+00	8.21E-04	4.55E-01	8.57E-02	3.17E+00
248	488299.44	3856689.39	2.01E+00	7.02E-04	5.49E-01	8.14E-02	2.65E+00	2.66E+00	6.74E+01	5.49E+00	4.16E-01	7.59E+01	2.58E+00	8.51E-04	5.49E-01	8.14E-02	3.21E+00
249	488349.44	3856689.39	1.98E+00	7.11E-04	6.44E-01	7.85E-02	2.70E+00	2.62E+00	6.82E+01	6.44E+00	4.01E-01	7.76E+01	2.54E+00	8.61E-04	6.44E-01	7.85E-02	3.26E+00
250	488399.44	3856689.39	1.95E+00	7.03E-04	7.20E-01	7.68E-02	2.75E+00	2.57E+00	6.74E+01	7.20E+00	3.92E-01	7.76E+01	2.50E+00	8.51E-04	7.20E-01	7.68E-02	3.30E+00
251	488099.44	3856739.39	2.22E+00	6.82E-04	4.12E-01	9.37E-02	2.73E+00	2.93E+00	6.54E+01	4.12E+00	4.79E-01	7.29E+01	2.85E+00	8.26E-04	4.12E-01	9.37E-02	3.35E+00
252	488149.44	3856739.39	2.18E+00	6.73E-04	4.45E-01	9.12E-02	2.71E+00	2.87E+00	6.45E+01	4.45E+00	4.66E-01	7.23E+01	2.79E+00	8.15E-04	4.45E-01	9.12E-02	3.33E+00
253	488199.44	3856739.39	2.13E+00	6.93E-04	4.62E-01	8.70E-02	2.68E+00	2.81E+00	6.64E+01	4.62E+00	4.44E-01	7.43E+01	2.73E+00	8.39E-04	4.62E-01	8.70E-02	3.28E+00
254	488249.44	3856739.39	2.09E+00	7.07E-04	4.68E-01	8.42E-02	2.64E+00	2.76E+00	6.79E+01	4.68E+00	4.30E-01	7.57E+01	2.68E+00	8.57E-04	4.68E-01	8.42E-02	3.23E+00
255	488299.44	3856739.39	2.05E+00	7.08E-04	5.74E-01	8.25E-02	2.71E+00	2.71E+00	6.79E+01	5.74E+00	4.22E-01	7.68E+01	2.63E+00	8.58E-04	5.74E-01	8.25E-02	3.29E+00
256	488349.44	3856739.39	2.01E+00	7.36E-04	6.70E-01	7.78E-02	2.76E+00	2.66E+00	7.06E+01	6.70E+00	3.97E-01	8.04E+01	2.58E+00	8.92E-04	6.70E-01	7.78E-02	3.33E+00
257	488399.44	3856739.39	1.97E+00	7.56E-04	7.43E-01	7.34E-02	2.79E+00	2.61E+00	7.25E+01	7.43E+00	3.75E-01	8.29E+01	2.53E+00	9.16E-04	7.43E-01	7.34E-02	3.35E+00
258	487999.44	3856789.39	2.42E+00	6.66E-04	5.19E-01	9.89E-02	3.04E+00	3.19E+00	6.38E+01	5.19E+00	5.05E-01	7.27E+01	3.10E+00	8.06E-04	5.19E-01	9.89E-02	3.72E+00
259	488049.44	3856789.39	2.36E+00	6.80E-04	3.82E-01	9.54E-02	2.83E+00	3.11E+00	6.53E+01	3.82E+00	4.87E-01	7.27E+01	3.02E+00	8.24E-04	3.82E-01	9.54E-02	3.50E+00
260	488099.44	3856789.39	2.29E+00	7.02E-04	4.19E-01	9.11E-02	2.80E+00	3.03E+00	6.73E+01	4.19E+00	4.65E-01	7.50E+01	2.94E+00	8.51E-04	4.19E-01	9.11E-02	3.45E+00
261	488149.44	3856789.39	2.23E+00	7.00E-04	4.53E-01	8.82E-02	2.78E+00	2.95E+00	6.72E+01	4.53E+00	4.51E-01	7.51E+01	2.86E+00	8.48E-04	4.53E-01	8.82E-02	3.41E+00
262	488199.44	3856789.39	2.18E+00	7.14E-04	4.69E-01	8.47E-02	2.73E+00	2.88E+00	6.85E+01	4.69E+00	4.33E-01	7.65E+01	2.80E+00	8.65E-04	4.69E-01	8.47E-02	3.35E+00
263	488249.44	3856789.39	2.14E+00	7.32E-04	4.91E-01	8.18E-02	2.71E+00	2.82E+00	7.02E+01	4.91E+00	4.18E-01	7.83E+01	2.74E+00	8.86E-04	4.91E-01	8.18E-02	3.31E+00
264	488299.44	3856789.39	2.10E+00	7.37E-04	6.00E-01	7.97E-02	2.78E+00	2.77E+00	7.07E+01	6.00E+00	4.07E-01	7.99E+01	2.69E+00	8.93E-04	6.00E-01	7.97E-02	3.37E+00
265	488349.44	3856789.39	2.05E+00	7.67E-04	6.95E-01	7.52E-02	2.82E+00	2.71E+00	7.35E+01	6.95E+00	3.84E-01	8.36E+01	2.63E+00	9.29E-04	6.95E-01	7.52E-02	3.40E+00
266	488399.44	3856789.39	2.01E+00	7.80E-04	7.63E-01	7.16E-02	2.85E+00	2.66E+00	7.48E+01	7.63E+00	3.66E-01	8.55E+01	2.58E+00	9.45E-04	7.63E-01	7.16E-02	3.41E+00
267	487949.44	3856839.39	2.56E+00	6.86E-04	6.02E-01	1.02E-01	3.26E+00	3.38E+00	6.58E+01	6.02E+00	5.23E-01	7.58E+01	3.28E+00	8.32E-04	6.02E-01	1.02E-01	3.99E+00
268	487999.44	3856839.39	2.49E+00	6.85E-04	5.34E-01	9.82E-02	3.13E+00	3.29E+00	6.57E+01	5.34E+00	5.02E-01	7.49E+01	3.20E+00	8.30E-04	5.34E-01	9.82E-02	3.83E+00
269	488049.44	3856839.39	2.43E+00	7.01E-04	3.98E-01	9.42E-02	2.92E+00	3.21E+00	6.72E+01	3.98E+00	4.81E-01	7.49E+01	3.11E+00	8.49E-04	3.98E-01	9.42E-02	3.61E+00
270	488099.44	3856839.39	2.37E+00	7.18E-04	4.26E-01	8.99E-02	2.88E+00	3.13E+00	6.89E+01	4.26E+00	4.59E-01	7.67E+01	3.04E+00	8.70E-04	4.26E-01	8.99E-02	3.55E+00
271	488149.44	3856839.39	2.31E+00	7.28E-04	4.61E-01	8.57E-02	2.85E+00	3.05E+00	6.98E+01	4.61E+00	4.38E-01	7.79E+01	2.96E+00	8.82E-04	4.61E-01	8.57E-02	3.51E+00
272	488199.44	3856839.39	2.25E+00	7.40E-04	4.76E-01	8.18E-02	2.81E+00	2.97E+00	7.09E+01	4.76E+00	4.18E-01	7.91E+01	2.88E+00	8.96E-04	4.76E-01	8.18E-02	3.44E+00
273	487949.44	3856889.39	2.64E+00	7.02E-04	6.15E-01	1.01E-01	3.35E+00	3.48E+00	6.73E+01	6.15E+00	5.16E-01	7.75E+01	3.38E+00	8.51E-04	6.15E-01	1.01E-01	4.10E+00
274	487999.44	3856889.39	2.57E+00	7.11E-04	5.49E-01	9.63E-02	3.21E+00	3.39E+00	6.82E+01	5.49E+00	4.92E-01	7.75E+01	3.29E+00	8.61E-04	5.49E-01	9.63E-02	3.93E+00
275	488049.44	3856889.39	2.50E+00	7.18E-04	4.14E-01	9.32E-02	3.01E+00	3.30E+00	6.89E+01	4.14E+00	4.76E-01	7.68E+01	3.21E+00	8.70E-04	4.14E-01	9.32E-02	3.72E+00
276	488099.44	3856889.39	2.44E+00	7.42E-04	4.33E-01	8.87E-02	2.96E+00	3.22E+00	7.12E+01	4.33E+00	4.53E-01	7.92E+01	3.12E+00	8.99E-04	4.33E-01	8.87E-02	3.65E+00
277	488635.86	3857895.05	3.58E+00	1.37E-03	1.56E+00	1.24E-01	5.27E+00	4.73E+00	1.32E+02	1.56E+01	6.32E-01	1.53E+02	4.59E+00	1.66E-03	1.56E+00	1.24E-01	6.28E+00
278	489137.64	3857804.15	2.53E+00	1.35E-03	1.03E+00	1.02E-01	3.67E+00	3.35E+00	1.29E+02	1.03E+01	5.20E-01	1.43E+02	3.25E+00	1.63E-03	1.03E+00	1.02E-01	4.38E+00
279	488617.32	3857859.41	3.60E+00	1.33E-03	1.81E+00	1.19E-01	5.53E+00	4.76E+00	1.27E+02	1.81E+01	6.06E-01	1.51E+02	4.62E+00	1.61E-03	1.81E+00	1.19E-01	6.55E+00
280	488667.32	3857859.41	3.50E+00	1.35E-03	1.65E+00	1.21E-01	5.28E+00	4.63E+00	1.29E+02	1.65E+01	6.18E-01	1.51E+02	4.49E+00	1.63E-03	1.65E+00	1.21E-01	6.27E+00
281	488717.32	3857859.41	3.39E+00	1.35E-03	1.46E+00	1.19E-01	4.96E+00	4.47E+00	1.29E+02	1.46E+01	6.08E-01	1.49E+02	4.34E+00	1.63E-03	1.46E+00	1.19E-01	5.92E+00
282	488767.32	3857859.41	3.24E+00	1.35E-03	1.41E+00	1.14E-01	4.77E+00	4.28E+00	1.30E+02	1.41E+01	5.83E-01	1.49E+02	4.16E+00	1.64E-03	1.41E+00	1.14E-01	5.68E+00
283	488617.32	3857909.41	3.59E+00	1.38E-03	1.77E+00	1.25E-01	5.48E+00	4.74E+00	1.32E+02	1.77E+01	6.39E-01	1.55E+02	4.60E+00	1.67E-03	1.77E+00	1.25E-01	6.49E+00
284	488667.32	3857909.41	3.53E+00	1.41E-03	1.72E+00	1.20E-01	5.37E+00	4.66E+00	1.35E+02	1.72E+01	6.11E-01	1.57E+02	4.52E+00	1.71E-03	1.72E+00	1.20E-01	6.36E+00
285	488717.32	3857909.41	3.47E+00	1.39E-03	1.65E+00	1.22E-01	5.24E+00	4.58E+00	1.33E+02	1.65E+01	6.21E-01	1.55E+02	4.44E+00	1.68E-03	1.65E+00	1.22E-01	6.21E+00
286	488767.32	3857909.41	3.36E+00	1.38E-03	1.59E+00	1.21E-01	5.08E+00	4.44E+00	1.33E+02	1.59E+01	6.20E-01	1.54E+02	4.31E+00	1.68E-03	1.59E+00	1.21E-01	6.03E+00
287	488417.32	3857959.41	3.67E+00	1.46E-03	3.37E+00	1.22E-01	7.17E+00	4.85E+00	1.40E+02	3.37E+01	6.22E-01	1.80E+02	4.70E+00	1.77E-03	3.37E+00	1.22E-01	8.20E+00
288	488467.32	3857959.41	3.61E+00	1.40E-03	3.25E+00	1.29E-01	6.99E+00	4.76E+00	1.34E+02	3.25E+01	6.58E-01	1.72E+02	4.62E+00	1.69E-03	3.25E+00	1.29E-01	8.01E+00
289	488517.32	3857959.41	3.51E+00	1.36E-03	3.01E+00	1.31E-01	6.65E+00	4.63E+00	1.30E+02	3.01E+01	6.67E-01	1.66E+02	4.50E+00	1.65E-03	3.01E+00	1.31E-01	7.64E+00
290	488567.32	3857959.41	3.40E+00	1.39E-03	2.72E+00	1.27E-01	6.25E+00	4.49E+00	1.34E+02	2.72E+01	6.50E-01	1.66E+02	4.36E+00	1.69E-03	2.72E+00	1.27E-01	7.21E+00
291	488617.32	3857959.41	3.45E+00	1.43E-03	2.43E+00	1.26E-01	6.01E+00	4.56E+00	1.37E+02	2.43E+01	6.42E-01	1.67E+02	4.43E+00	1.73E-03	2.43E+00	1.26E-01	6.99E+00
292	488667.32	3857959.41	3.47E+00	1.44E-03	2.17E+00	1.27E-01	5.76E+00	4.58E+00	1.38E+02	2.17E+01	6.48E-01	1.65E+02	4.45E+00	1.74E-03	2.17E+00	1.27E-01	6.74E+00
293	488717.32	3857959.41	3.45E+00	1.44E-03	1.92E+00	1.24E-01	5.50E+00	4.56E+00	1.38E+02	1.92E+01	6.36E-01	1.62E+02	4.42E+00	1.74E-03	1.92E+00	1.24E-01	6.47E+00
294	488767.32	3857959.41	3.40E+00	1.42E-03	1.72E+00	1.19E-01	5.24E+00	4.49E+00	1.36E+02	1.72E+01	6.10E-01	1.58E+02	4.36E+00	1.72E-03	1.72E+00	1.19E-01	6.20E+00
295	488417.32	3858009.41	3.64E+00	1.50E-03	3.53E+00	1.36E-01	7.31E+00	4.81E+00	1.44E+02	3.53E+01	6.93E-01	1.84E+02	4.67E+00	1.81E-03	3.53E+00	1.36E-01	8.34E+00
296	488467.32	3858009.41	3.58E+00	1.43E-03	3.07E+00	1.34E-01	6.79E+00	4.73E+00	1.37E+02	3.07E+01	6.87E-01	1.74E+02	4.59E+00	1.73E-03	3.07E+00	1.34E-01	7.80E+00
297	488517.32	3858009.41	3.50E+00	1.40E-03	2.64E+00	1.30E-01	6.28E+00	4.62E+00	1.35E+02	2.64E+01	6.63E-01	1.66E+02	4.49E+00	1.70E-03	2.64E+00	1.30E-01	7.26E+00
298	488567.32	3858009.41	3.43E+00	1.46E-03	2.27E+00	1.32E-01	5.84E+00	4.53E+00	1.40E+02	2.27E+01	6.73E-01	1.68E+02	4.40E+00	1.76E-03	2.27E+00	1.32E-01	6.80E+00
299	488617.32	3858009.41	3.33E+00	1.48E-03	1.97E+00	1.30E-01	5.44E+00	4.40E+00	1.42E+02	1.97E+01	6.66E-01	1.66E+02	4.27E+00	1.79E-03	1.97E+00	1.30E-01	6.38E+00
300	488667.32	3858009.41	3.30E+00	1.47E-03	1.72E+00	1.26E-01	5.15E+00	4.36E+00	1.41E+02	1.72E+01	6.42E-01	1.64E+02	4.23E+00	1.79E-03	1.72E+00	1.26E-01	6.08E+00
301	488717.32	3858009.41	3.34E+00	1.47E-03	1.63E+00	1.18E-01	5.09E+00	4.41E+00	1.41E+02	1.63E+01	6.02E-01	1.62E+02	4.28E+00	1.78E-03	1.63E+00	1.18E-01	6.03E+00

302	488767.32	3858009.41	3.35E+00	1.45E-03	1.54E+00	1.20E-01	5.01E+00	4.43E+00	1.39E+02	1.54E+01	6.11E-01	1.60E+02	4.30E+00	1.76E-03	1.54E+00	1.20E-01	5.95E+00
303	488417.32	3858059.41	3.78E+00	1.54E-03	4.24E+00	1.36E-01	8.15E+00	4.99E+00	1.48E+02	4.24E+01	6.96E-01	1.96E+02	4.84E+00	1.86E-03	4.24E+00	1.36E-01	9.22E+00
304	488467.32	3858059.41	3.60E+00	1.47E-03	3.57E+00	1.37E-01	7.31E+00	4.75E+00	1.41E+02	3.57E+01	7.01E-01	1.82E+02	4.61E+00	1.78E-03	3.57E+00	1.37E-01	8.32E+00
305	488517.32	3858059.41	3.47E+00	1.46E-03	3.01E+00	1.36E-01	6.62E+00	4.59E+00	1.40E+02	3.01E+01	6.96E-01	1.75E+02	4.45E+00	1.76E-03	3.01E+00	1.36E-01	7.60E+00
306	488567.32	3858059.41	3.40E+00	1.51E-03	2.54E+00	1.31E-01	6.07E+00	4.49E+00	1.45E+02	2.54E+01	6.72E-01	1.76E+02	4.36E+00	1.83E-03	2.54E+00	1.31E-01	7.03E+00
307	488617.32	3858059.41	3.34E+00	1.53E-03	2.16E+00	1.24E-01	5.63E+00	4.42E+00	1.47E+02	2.16E+01	6.31E-01	1.74E+02	4.29E+00	1.86E-03	2.16E+00	1.24E-01	6.57E+00
308	488667.32	3858059.41	3.27E+00	1.52E-03	1.86E+00	1.26E-01	5.26E+00	4.32E+00	1.46E+02	1.86E+01	6.41E-01	1.70E+02	4.20E+00	1.85E-03	1.86E+00	1.26E-01	6.19E+00
309	488417.32	3858109.41	3.79E+00	1.56E-03	4.16E+00	1.44E-01	8.09E+00	5.00E+00	1.50E+02	4.16E+01	7.33E-01	1.97E+02	4.86E+00	1.89E-03	4.16E+00	1.44E-01	9.16E+00
310	488467.32	3858109.41	3.69E+00	1.50E-03	3.36E+00	1.39E-01	7.20E+00	4.88E+00	1.43E+02	3.36E+01	7.09E-01	1.83E+02	4.74E+00	1.81E-03	3.36E+00	1.39E-01	8.24E+00
311	488517.32	3858109.41	3.54E+00	1.52E-03	2.72E+00	1.30E-01	6.40E+00	4.68E+00	1.46E+02	2.72E+01	6.66E-01	1.78E+02	4.54E+00	1.84E-03	2.72E+00	1.30E-01	7.40E+00
312	488567.32	3858109.41	3.36E+00	1.56E-03	2.47E+00	1.32E-01	5.97E+00	4.44E+00	1.50E+02	2.47E+01	6.73E-01	1.80E+02	4.31E+00	1.89E-03	2.47E+00	1.32E-01	6.92E+00
313	488617.32	3858109.41	3.32E+00	1.58E-03	2.20E+00	1.31E-01	5.65E+00	4.38E+00	1.51E+02	2.20E+01	6.70E-01	1.79E+02	4.25E+00	1.91E-03	2.20E+00	1.31E-01	6.58E+00
314	488667.32	3858109.41	3.25E+00	1.56E-03	1.95E+00	1.28E-01	5.33E+00	4.30E+00	1.50E+02	1.95E+01	6.56E-01	1.74E+02	4.17E+00	1.90E-03	1.95E+00	1.28E-01	6.25E+00
315	488769.93	3858449.27	3.16E+00	2.00E-03	9.41E-01	1.11E-01	4.21E+00	4.17E+00	1.91E+02	9.41E+00	5.65E-01	2.06E+02	4.05E+00	2.42E-03	9.41E-01	1.11E-01	5.10E+00
316	488819.93	3858449.27	3.13E+00	1.96E-03	9.92E-01	1.25E-01	4.25E+00	4.14E+00	1.88E+02	9.92E+00	6.40E-01	2.03E+02	4.01E+00	2.38E-03	9.92E-01	1.25E-01	5.13E+00
317	488819.93	3858499.27	3.07E+00	2.02E-03	8.86E-01	1.30E-01	4.08E+00	4.05E+00	1.94E+02	8.86E+00	6.63E-01	2.07E+02	3.93E+00	2.45E-03	8.86E-01	1.30E-01	4.95E+00
318	488869.93	3858499.27	3.06E+00	1.95E-03	8.60E-01	1.28E-01	4.05E+00	4.04E+00	1.87E+02	8.60E+00	6.56E-01	2.00E+02	3.92E+00	2.36E-03	8.60E-01	1.28E-01	4.91E+00
319	488869.93	3858549.27	2.97E+00	1.98E-03	8.49E-01	1.26E-01	3.95E+00	3.93E+00	1.90E+02	8.49E+00	6.44E-01	2.03E+02	3.81E+00	2.40E-03	8.49E-01	1.26E-01	4.79E+00
320	489438.17	3859571.48	2.23E+00	2.49E-03	3.85E-01	7.84E-02	2.69E+00	2.94E+00	2.39E+02	3.85E+00	4.00E-01	2.46E+02	2.85E+00	3.01E-03	3.85E-01	7.84E-02	3.32E+00
321	489488.17	3859571.48	2.22E+00	2.40E-03	3.67E-01	7.72E-02	2.67E+00	2.94E+00	2.30E+02	3.67E+00	3.94E-01	2.37E+02	2.85E+00	2.90E-03	3.67E-01	7.72E-02	3.30E+00
322	489538.17	3859571.48	2.19E+00	2.30E-03	3.37E-01	7.60E-02	2.61E+00	2.90E+00	2.21E+02	3.37E+00	3.88E-01	2.28E+02	2.81E+00	2.79E-03	3.37E-01	7.60E-02	3.23E+00
323	489588.17	3859571.48	2.13E+00	2.21E-03	3.32E-01	7.56E-02	2.54E+00	2.82E+00	2.12E+02	3.32E+00	3.86E-01	2.18E+02	2.73E+00	2.67E-03	3.32E-01	7.56E-02	3.14E+00
324	489438.17	3859621.48	2.15E+00	2.56E-03	3.91E-01	8.07E-02	2.62E+00	2.84E+00	2.46E+02	3.91E+00	4.12E-01	2.53E+02	2.76E+00	3.10E-03	3.91E-01	8.07E-02	3.23E+00
325	489488.17	3859621.48	2.18E+00	2.48E-03	3.86E-01	7.95E-02	2.65E+00	2.88E+00	2.38E+02	3.86E+00	4.06E-01	2.45E+02	2.79E+00	3.00E-03	3.86E-01	7.95E-02	3.26E+00
326	489538.17	3859621.48	2.18E+00	2.39E-03	3.67E-01	7.83E-02	2.63E+00	2.88E+00	2.30E+02	3.67E+00	4.00E-01	2.37E+02	2.79E+00	2.90E-03	3.67E-01	7.83E-02	3.24E+00
327	489588.17	3859621.48	2.15E+00	2.31E-03	3.38E-01	7.80E-02	2.57E+00	2.85E+00	2.21E+02	3.38E+00	3.98E-01	2.28E+02	2.76E+00	2.80E-03	3.38E-01	7.80E-02	3.18E+00
328	489238.17	3859671.48	2.17E+00	3.05E-03	3.79E-01	9.22E-02	2.65E+00	2.87E+00	2.93E+02	3.79E+00	4.71E-01	3.00E+02	2.79E+00	3.70E-03	3.79E-01	9.22E-02	3.26E+00
329	489288.17	3859671.48	2.15E+00	2.92E-03	3.70E-01	9.45E-02	2.61E+00	2.84E+00	2.80E+02	3.70E+00	4.83E-01	2.87E+02	2.75E+00	3.53E-03	3.70E-01	9.45E-02	3.22E+00
330	489338.17	3859671.48	2.09E+00	2.81E-03	3.70E-01	9.48E-02	2.56E+00	2.76E+00	2.70E+02	3.70E+00	4.84E-01	2.77E+02	2.68E+00	3.41E-03	3.70E-01	9.48E-02	3.14E+00
331	489388.17	3859671.48	2.07E+00	2.73E-03	3.66E-01	9.33E-02	2.53E+00	2.73E+00	2.61E+02	3.66E+00	4.77E-01	2.68E+02	2.65E+00	3.30E-03	3.66E-01	9.33E-02	3.11E+00
332	489438.17	3859671.48	2.08E+00	2.64E-03	3.88E-01	9.02E-02	2.56E+00	2.75E+00	2.53E+02	3.88E+00	4.61E-01	2.60E+02	2.67E+00	3.20E-03	3.88E-01	9.02E-02	3.15E+00
333	489488.17	3859671.48	2.11E+00	2.55E-03	3.99E-01	8.63E-02	2.60E+00	2.79E+00	2.45E+02	3.99E+00	4.41E-01	2.52E+02	2.70E+00	3.09E-03	3.99E-01	8.63E-02	3.19E+00
334	489538.17	3859671.48	2.14E+00	2.46E-03	3.92E-01	8.16E-02	2.62E+00	2.83E+00	2.36E+02	3.92E+00	4.17E-01	2.43E+02	2.74E+00	2.98E-03	3.92E-01	8.16E-02	3.22E+00
335	489588.17	3859671.48	2.14E+00	2.38E-03	3.73E-01	8.10E-02	2.60E+00	2.83E+00	2.29E+02	3.73E+00	4.14E-01	2.36E+02	2.75E+00	2.89E-03	3.73E-01	8.10E-02	3.21E+00
336	489238.17	3859721.48	2.13E+00	3.07E-03	3.83E-01	8.69E-02	2.60E+00	2.81E+00	2.95E+02	3.83E+00	4.44E-01	3.02E+02	2.72E+00	3.73E-03	3.83E-01	8.69E-02	3.20E+00
337	489288.17	3859721.48	2.14E+00	3.01E-03	3.68E-01	8.69E-02	2.60E+00	2.82E+00	2.89E+02	3.68E+00	4.44E-01	2.96E+02	2.74E+00	3.65E-03	3.68E-01	8.69E-02	3.20E+00
338	489338.17	3859721.48	2.11E+00	2.89E-03	3.66E-01	8.65E-02	2.57E+00	2.79E+00	2.78E+02	3.66E+00	4.42E-01	2.85E+02	2.71E+00	3.51E-03	3.66E-01	8.65E-02	3.16E+00
339	489388.17	3859721.48	2.05E+00	2.77E-03	3.65E-01	8.59E-02	2.51E+00	2.71E+00	2.66E+02	3.65E+00	4.39E-01	2.73E+02	2.63E+00	3.36E-03	3.65E-01	8.59E-02	3.09E+00
340	489438.17	3859721.48	2.03E+00	2.69E-03	3.76E-01	8.51E-02	2.49E+00	2.68E+00	2.58E+02	3.76E+00	4.35E-01	2.65E+02	2.60E+00	3.26E-03	3.76E-01	8.51E-02	3.07E+00
341	489488.17	3859721.48	2.05E+00	2.61E-03	4.00E-01	8.59E-02	2.54E+00	2.71E+00	2.51E+02	4.00E+00	4.39E-01	2.58E+02	2.63E+00	3.16E-03	4.00E-01	8.59E-02	3.12E+00
342	489538.17	3859721.48	2.07E+00	2.53E-03	4.07E-01	8.53E-02	2.57E+00	2.74E+00	2.43E+02	4.07E+00	4.36E-01	2.50E+02	2.66E+00	3.07E-03	4.07E-01	8.53E-02	3.15E+00
343	489588.17	3859721.48	2.10E+00	2.45E-03	3.99E-01	8.34E-02	2.59E+00	2.78E+00	2.35E+02	3.99E+00	4.26E-01	2.42E+02	2.70E+00	2.97E-03	3.99E-01	8.34E-02	3.18E+00
344	489238.17	3859771.48	2.08E+00	3.09E-03	3.84E-01	1.20E-01	2.59E+00	2.75E+00	2.96E+02	3.84E+00	6.15E-01	3.03E+02	2.67E+00	3.74E-03	3.84E-01	1.20E-01	3.18E+00
345	489288.17	3859771.48	2.10E+00	3.06E-03	3.73E-01	1.15E-01	2.59E+00	2.77E+00	2.93E+02	3.73E+00	5.88E-01	3.01E+02	2.69E+00	3.71E-03	3.73E-01	1.15E-01	3.18E+00
346	489338.17	3859771.48	2.10E+00	2.97E-03	3.69E-01	1.10E-01	2.58E+00	2.78E+00	2.85E+02	3.69E+00	5.63E-01	2.92E+02	2.69E+00	3.60E-03	3.69E-01	1.10E-01	3.18E+00
347	489388.17	3859771.48	2.08E+00	2.87E-03	3.61E-01	1.06E-01	2.55E+00	2.74E+00	2.75E+02	3.61E+00	5.40E-01	2.82E+02	2.66E+00	3.47E-03	3.61E-01	1.06E-01	3.13E+00
348	489438.17	3859771.48	2.02E+00	2.76E-03	3.59E-01	1.02E-01	2.48E+00	2.66E+00	2.65E+02	3.59E+00	5.19E-01	2.71E+02	2.58E+00	3.34E-03	3.59E-01	1.02E-01	3.05E+00
349	489488.17	3859771.48	2.00E+00	2.65E-03	3.91E-01	9.82E-02	2.49E+00	2.64E+00	2.54E+02	3.91E+00	5.02E-01	2.61E+02	2.56E+00	3.21E-03	3.91E-01	9.82E-02	3.06E+00
350	489538.17	3859771.48	2.02E+00	2.58E-03	4.12E-01	9.50E-02	2.53E+00	2.67E+00	2.47E+02	4.12E+00	4.86E-01	2.54E+02	2.59E+00	3.12E-03	4.12E-01	9.50E-02	3.10E+00
351	489588.17	3859771.48	2.04E+00	2.51E-03	4.15E-01	9.20E-02	2.55E+00	2.69E+00	2.41E+02	4.15E+00	4.70E-01	2.48E+02	2.61E+00	3.04E-03	4.15E-01	9.20E-02	3.12E+00
352	489238.17	3859821.48	2.05E+00	3.02E-03	3.83E-01	2.04E-01	2.64E+00	2.71E+00	2.90E+02	3.83E+00	1.04E+00	2.98E+02	2.63E+00	3.66E-03	3.83E-01	2.04E-01	3.22E+00
353	489288.17	3859821.48	2.05E+00	3.04E-03	3.76E-01	1.93E-01	2.62E+00	2.71E+00	2.91E+02	3.76E+00	9.84E-01	2.99E+02	2.63E+00	3.68E-03	3.76E-01	1.93E-01	3.20E+00
354	489338.17	3859821.48	2.06E+00	2.99E-03	3.74E-01	1.82E-01	2.62E+00	2.72E+00	2.86E+02	3.74E+00	9.31E-01	2.94E+02	2.64E+00	3.62E-03	3.74E-01	1.82E-01	3.20E+00
355	489388.17	3859821.48	2.07E+00	2.92E-03	3.73E-01	1.73E-01	2.62E+00	2.73E+00	2.80E+02	3.73E+00	8.83E-01	2.87E+02	2.65E+00	3.53E-03	3.73E-01	1.73E-01	3.20E+00
356	489438.17	3859821.48	2.05E+00	2.83E-03	3.60E-01	1.65E-01	2.57E+00	2.70E+00	2.72E+02	3.60E+00	8.41E-01	2.79E+02	2.62E+00	3.43E-03	3.60E-01	1.65E-01	3.15E+00
357	489488.17	3859821.48	1.99E+00	2.74E-03	3.75E-01	1.57E-01	2.53E+00	2.63E+00	2.63E+02	3.75E+00	8.03E-01	2.70E+02	2.55E+00	3.32E-03	3.75E-01	1.57E-01	3.09E+00
358	489538.17	3859821.48	1.97E+00	2.64E-03	4.07E-01	1.50E-01	2.53E+00	2.61E+00	2.53E+02	4.07E+00	7.68E-01	2.61E+02	2.53E+00	3.20E-03	4.07E-01	1.50E-01	3.09E+00
359	489588.17	3859821.48	1.99E+00	2.54E-03	4.22E-01	1.44E-01	2.56E+00	2.63E+00	2.43E+02	4.22E+00	7.35E-01	2.51E+02	2.55E+00	3.07E-03	4.22E-01	1.44E-01	3.12E+00
360	489238.17	3859871.48	1.99E+00	2.89E-03	3.79E-01	2.57E-01	2.63E+00	2.63E+00	2.77E+02	3.79E+00	1.31E+00	2.85E+02	2.56E+00	3.50E-03	3.79E-01	2.57E-01	3.20E+00
361	489288.17	3859871.48	2.02E+00	2.90E-03	3.76E-01	2.45E-01	2.64E+00	2.67E+00	2.78E+02	3.76E+00	1.25E+00	2.85E+02	2.59E+00	3.51E-03	3.76E-01	2.45E-01	3.22E+00
362	489338.17	3859871.48	2.02E+00	2.93E-03	3.68E-01	2.34E-01	2.62E+00	2.66E+00	2.81E+02	3.68E+00	1.20E+00	2.88E+02	2.59E+00	3.55E-03	3.68E-01	2.34E-01	3.19E+00

363	489388.17	3859871.48	2.03E+00	2.90E-03	3.83E-01	2.24E-01	2.64E+00	2.69E+00	2.79E+02	3.83E+00	1.14E+00	2.86E+02	2.61E+00	3.52E-03	3.83E-01	2.24E-01	3.22E+00
364	489438.17	3859871.48	2.05E+00	2.85E-03	3.84E-01	2.15E-01	2.65E+00	2.70E+00	2.74E+02	3.84E+00	1.10E+00	2.81E+02	2.62E+00	3.46E-03	3.84E-01	2.15E-01	3.23E+00
365	489488.17	3859871.48	2.03E+00	2.78E-03	3.75E-01	2.07E-01	2.61E+00	2.68E+00	2.67E+02	3.75E+00	1.06E+00	2.74E+02	2.60E+00	3.37E-03	3.75E-01	2.07E-01	3.19E+00
366	489538.17	3859871.48	1.97E+00	2.71E-03	3.96E-01	1.98E-01	2.56E+00	2.60E+00	2.60E+02	3.96E+00	1.01E+00	2.67E+02	2.52E+00	3.28E-03	3.96E-01	1.98E-01	3.12E+00
367	489588.17	3859871.48	1.95E+00	2.62E-03	4.23E-01	1.90E-01	2.56E+00	2.57E+00	2.51E+02	4.23E+00	9.72E-01	2.59E+02	2.49E+00	3.18E-03	4.23E-01	1.90E-01	3.11E+00
368	489238.17	3859921.48	1.92E+00	2.71E-03	3.74E-01	2.44E-01	2.54E+00	2.53E+00	2.60E+02	3.74E+00	1.24E+00	2.68E+02	2.46E+00	3.29E-03	3.74E-01	2.44E-01	3.08E+00
369	489288.17	3859921.48	1.98E+00	2.77E-03	3.74E-01	2.40E-01	2.59E+00	2.61E+00	2.65E+02	3.74E+00	1.23E+00	2.73E+02	2.53E+00	3.35E-03	3.74E-01	2.40E-01	3.15E+00
370	489338.17	3859921.48	2.00E+00	2.80E-03	3.69E-01	2.36E-01	2.61E+00	2.64E+00	2.69E+02	3.69E+00	1.21E+00	2.76E+02	2.56E+00	3.39E-03	3.69E-01	2.36E-01	3.17E+00
371	489388.17	3859921.48	2.00E+00	2.81E-03	3.89E-01	2.32E-01	2.62E+00	2.64E+00	2.70E+02	3.89E+00	1.18E+00	2.77E+02	2.56E+00	3.41E-03	3.89E-01	2.32E-01	3.19E+00
372	489438.17	3859921.48	2.02E+00	2.79E-03	4.07E-01	2.28E-01	2.66E+00	2.67E+00	2.68E+02	4.07E+00	1.16E+00	2.76E+02	2.59E+00	3.38E-03	4.07E-01	2.28E-01	3.23E+00
373	489488.17	3859921.48	2.03E+00	2.76E-03	4.00E-01	2.23E-01	2.65E+00	2.68E+00	2.65E+02	4.00E+00	1.14E+00	2.73E+02	2.60E+00	3.35E-03	4.00E-01	2.23E-01	3.23E+00
374	489538.17	3859921.48	2.00E+00	2.72E-03	3.85E-01	2.17E-01	2.60E+00	2.64E+00	2.61E+02	3.85E+00	1.11E+00	2.69E+02	2.56E+00	3.30E-03	3.85E-01	2.17E-01	3.17E+00
375	489588.17	3859921.48	1.95E+00	2.65E-03	4.20E-01	2.12E-01	2.58E+00	2.57E+00	2.54E+02	4.20E+00	1.08E+00	2.62E+02	2.50E+00	3.21E-03	4.20E-01	2.12E-01	3.13E+00
376	489238.17	3859971.48	1.83E+00	2.61E-03	3.70E-01	2.32E-01	2.43E+00	2.41E+00	2.51E+02	3.70E+00	1.19E+00	2.58E+02	2.34E+00	3.17E-03	3.70E-01	2.32E-01	2.95E+00
377	489288.17	3859971.48	1.90E+00	2.61E-03	3.70E-01	2.20E-01	2.49E+00	2.51E+00	2.50E+02	3.70E+00	1.12E+00	2.57E+02	2.44E+00	3.16E-03	3.70E-01	2.20E-01	3.03E+00
378	489338.17	3859971.48	1.95E+00	2.63E-03	3.68E-01	2.06E-01	2.53E+00	2.58E+00	2.52E+02	3.68E+00	1.05E+00	2.59E+02	2.51E+00	3.18E-03	3.68E-01	2.06E-01	3.08E+00
379	489388.17	3859971.48	1.98E+00	2.65E-03	3.88E-01	1.94E-01	2.57E+00	2.62E+00	2.54E+02	3.88E+00	9.88E-01	2.62E+02	2.54E+00	3.21E-03	3.88E-01	1.94E-01	3.13E+00
380	489438.17	3859971.48	1.99E+00	2.65E-03	4.22E-01	1.97E-01	2.61E+00	2.63E+00	2.54E+02	4.22E+00	1.01E+00	2.62E+02	2.55E+00	3.21E-03	4.22E-01	1.97E-01	3.17E+00
381	489488.17	3859971.48	2.02E+00	2.59E-03	4.35E-01	2.01E-01	2.66E+00	2.67E+00	2.49E+02	4.35E+00	1.03E+00	2.57E+02	2.59E+00	3.14E-03	4.35E-01	2.01E-01	3.23E+00
382	489538.17	3859971.48	2.03E+00	2.54E-03	4.15E-01	2.03E-01	2.65E+00	2.68E+00	2.44E+02	4.15E+00	1.04E+00	2.52E+02	2.60E+00	3.08E-03	4.15E-01	2.03E-01	3.22E+00
383	489588.17	3859971.48	2.00E+00	2.49E-03	4.10E-01	2.04E-01	2.62E+00	2.65E+00	2.39E+02	4.10E+00	1.04E+00	2.47E+02	2.57E+00	3.02E-03	4.10E-01	2.04E-01	3.18E+00
384	483577.7	3854071	5.67E+00	8.36E-04	2.71E-01	9.03E-02	6.03E+00	7.49E+00	8.01E+01	2.71E+00	4.61E-01	9.08E+01	7.27E+00	1.01E-03	2.71E-01	9.03E-02	7.63E+00
385	483627.7	3854071	5.77E+00	7.89E-04	2.68E-01	8.04E-02	6.12E+00	7.62E+00	7.57E+01	2.68E+00	4.11E-01	8.64E+01	7.39E+00	9.56E-04	2.68E-01	8.04E-02	7.74E+00
386	483677.7	3854071	5.78E+00	7.56E-04	2.63E-01	7.18E-02	6.12E+00	7.64E+00	7.25E+01	2.63E+00	3.67E-01	8.31E+01	7.41E+00	9.16E-04	2.63E-01	7.18E-02	7.75E+00
387	483727.7	3854071	5.68E+00	7.59E-04	2.58E-01	7.76E-02	6.02E+00	7.51E+00	7.28E+01	2.58E+00	3.97E-01	8.33E+01	7.29E+00	9.19E-04	2.58E-01	7.76E-02	7.62E+00
388	483777.7	3854071	5.99E+00	7.39E-04	2.53E-01	8.47E-02	6.32E+00	7.91E+00	7.08E+01	2.53E+00	4.32E-01	8.17E+01	7.67E+00	8.95E-04	2.53E-01	8.47E-02	8.01E+00
389	483577.7	3854121	5.79E+00	8.61E-04	2.77E-01	8.67E-02	6.15E+00	7.65E+00	8.25E+01	2.77E+00	4.43E-01	9.34E+01	7.42E+00	1.04E-03	2.77E-01	8.67E-02	7.79E+00
390	483627.7	3854121	5.85E+00	8.05E-04	2.74E-01	7.45E-02	6.20E+00	7.72E+00	7.72E+01	2.74E+00	3.81E-01	8.81E+01	7.49E+00	9.76E-04	2.74E-01	7.45E-02	7.84E+00
391	483677.7	3854121	5.94E+00	7.41E-04	2.71E-01	7.44E-02	6.29E+00	7.85E+00	7.10E+01	2.71E+00	3.80E-01	8.20E+01	7.62E+00	8.97E-04	2.71E-01	7.44E-02	7.97E+00
392	483727.7	3854121	5.94E+00	7.00E-04	2.66E-01	8.19E-02	6.29E+00	7.84E+00	6.72E+01	2.66E+00	4.18E-01	7.81E+01	7.61E+00	8.48E-04	2.66E-01	8.19E-02	7.96E+00
393	483777.7	3854121	6.19E+00	6.96E-04	2.61E-01	8.87E-02	6.54E+00	8.18E+00	6.67E+01	2.61E+00	4.53E-01	7.80E+01	7.94E+00	8.43E-04	2.61E-01	8.87E-02	8.29E+00
394	483577.7	3854171	6.26E+00	8.56E-04	2.83E-01	8.55E-02	6.63E+00	8.27E+00	8.21E+01	2.83E+00	4.37E-01	9.37E+01	8.02E+00	1.04E-03	2.83E-01	8.55E-02	8.39E+00
395	483627.7	3854171	6.03E+00	7.89E-04	2.80E-01	7.46E-02	6.38E+00	7.96E+00	7.56E+01	2.80E+00	3.81E-01	8.68E+01	7.73E+00	9.55E-04	2.80E-01	7.46E-02	8.08E+00
396	483677.7	3854171	6.00E+00	7.29E-04	2.77E-01	7.79E-02	6.36E+00	7.93E+00	6.99E+01	2.77E+00	3.98E-01	8.10E+01	7.69E+00	8.83E-04	2.77E-01	7.79E-02	8.05E+00
397	483727.7	3854171	6.48E+00	6.74E-04	2.74E-01	8.43E-02	6.84E+00	8.56E+00	6.46E+01	2.74E+00	4.31E-01	7.64E+01	8.31E+00	8.17E-04	2.74E-01	8.43E-02	8.67E+00
398	483777.7	3854171	6.53E+00	6.51E-04	2.69E-01	9.22E-02	6.89E+00	8.62E+00	6.24E+01	2.69E+00	4.71E-01	7.42E+01	8.37E+00	7.89E-04	2.69E-01	9.22E-02	8.73E+00
399	483827.7	3854171	6.44E+00	6.19E-04	2.64E-01	1.01E-01	6.81E+00	8.51E+00	5.94E+01	2.64E+00	5.14E-01	7.10E+01	8.26E+00	7.50E-04	2.64E-01	1.01E-01	8.63E+00
400	483877.7	3854171	6.62E+00	6.04E-04	2.59E-01	1.09E-01	6.99E+00	8.75E+00	5.79E+01	2.59E+00	5.56E-01	6.98E+01	8.49E+00	7.32E-04	2.59E-01	1.09E-01	8.86E+00
401	483727.7	3854221	6.54E+00	6.76E-04	2.81E-01	8.61E-02	6.91E+00	8.64E+00	6.48E+01	2.81E+00	4.40E-01	7.67E+01	8.39E+00	8.19E-04	2.81E-01	8.61E-02	8.76E+00
402	483777.7	3854221	6.76E+00	6.16E-04	2.77E-01	9.46E-02	7.13E+00	8.92E+00	5.90E+01	2.77E+00	4.83E-01	7.12E+01	8.66E+00	7.46E-04	2.77E-01	9.46E-02	9.03E+00
403	483827.7	3854221	6.75E+00	6.23E-04	2.73E-01	1.01E-01	7.12E+00	8.91E+00	5.97E+01	2.73E+00	5.14E-01	7.19E+01	8.65E+00	7.54E-04	2.73E-01	1.01E-01	9.02E+00
404	483877.7	3854221	6.66E+00	5.96E-04	2.68E-01	1.09E-01	7.03E+00	8.79E+00	5.71E+01	2.68E+00	5.59E-01	6.92E+01	8.53E+00	7.22E-04	2.68E-01	1.09E-01	8.91E+00
405	489150.19	3858726.45	2.74E+00	1.57E-03	7.29E-01	1.08E-01	3.58E+00	3.63E+00	1.51E+02	7.29E+00	5.49E-01	1.62E+02	3.52E+00	1.90E-03	7.29E-01	1.08E-01	4.36E+00
406	489200.19	3858726.45	2.72E+00	1.52E-03	7.13E-01	8.96E-02	3.52E+00	3.59E+00	1.46E+02	7.13E+00	4.58E-01	1.57E+02	3.48E+00	1.84E-03	7.13E-01	8.96E-02	4.29E+00
407	489150.19	3858776.45	2.65E+00	1.63E-03	6.63E-01	1.00E-01	3.41E+00	3.49E+00	1.56E+02	6.63E+00	5.13E-01	1.67E+02	3.39E+00	1.97E-03	6.63E-01	1.00E-01	4.16E+00
408	489200.19	3858776.45	2.68E+00	1.57E-03	6.87E-01	8.18E-02	3.45E+00	3.54E+00	1.51E+02	6.87E+00	4.18E-01	1.62E+02	3.43E+00	1.90E-03	6.87E-01	8.18E-02	4.20E+00
409	488919.6	3856400.76	1.54E+00	5.84E-04	6.27E-01	6.53E-02	2.24E+00	2.04E+00	5.60E+01	6.27E+00	3.34E-01	6.47E+01	1.98E+00	7.08E-04	6.27E-01	6.53E-02	2.67E+00
410	488919.6	3856450.76	1.56E+00	5.99E-04	6.48E-01	6.36E-02	2.28E+00	2.07E+00	5.75E+01	6.48E+00	3.25E-01	6.63E+01	2.01E+00	7.26E-04	6.48E-01	6.36E-02	2.72E+00
411	488969.6	3856450.76	1.55E+00	5.99E-04	6.57E-01	6.32E-02	2.27E+00	2.04E+00	5.75E+01	6.57E+00	3.23E-01	6.64E+01	1.98E+00	7.26E-04	6.57E-01	6.32E-02	2.70E+00
412	488919.6	3856500.76	1.59E+00	6.12E-04	6.65E-01	6.17E-02	2.31E+00	2.10E+00	5.87E+01	6.65E+00	3.15E-01	6.77E+01	2.03E+00	7.41E-04	6.65E-01	6.17E-02	2.76E+00
413	488969.6	3856500.76	1.57E+00	6.12E-04	6.66E-01	6.13E-02	2.30E+00	2.07E+00	5.87E+01	6.66E+00	3.13E-01	6.77E+01	2.01E+00	7.41E-04	6.66E-01	6.13E-02	2.74E+00
414	488919.6	3856550.76	1.61E+00	6.22E-04	6.78E-01	5.95E-02	2.35E+00	2.13E+00	5.97E+01	6.78E+00	3.04E-01	6.89E+01	2.06E+00	7.54E-04	6.78E-01	5.95E-02	2.80E+00
415	488969.6	3856550.76	1.59E+00	6.22E-04	6.70E-01	5.91E-02	2.32E+00	2.10E+00	5.96E+01	6.70E+00	3.02E-01	6.87E+01	2.04E+00	7.53E-04	6.70E-01	5.91E-02	2.77E+00
416	488819.6	3856600.76	1.67E+00	6.30E-04	6.71E-01	5.78E-02	2.40E+00	2.21E+00	6.04E+01	6.71E+00	2.95E-01	6.96E+01	2.15E+00	7.63E-04	6.71E-01	5.78E-02	2.87E+00
417	488869.6	3856600.76	1.65E+00	6.29E-04	6.87E-01	5.74E-02	2.40E+00	2.18E+00	6.04E+01	6.87E+00	2.93E-01	6.97E+01	2.12E+00	7.62E-04	6.87E-01	5.74E-02	2.86E+00
418	488919.6	3856600.76	1.63E+00	6.29E-04	6.86E-01	5.71E-02	2.37E+00	2.15E+00	6.03E+01	6.86E+00	2.91E-01	6.96E+01	2.09E+00	7.62E-04	6.86E-01	5.71E-02	2.83E+00
419	488819.6	3856650.76	1.70E+00	6.34E-04	6.92E-01	5.51E-02	2.44E+00	2.24E+00	6.08E+01	6.92E+00	2.82E-01	7.03E+01	2.17E+00	7.68E-04	6.92E-01	5.51E-02	2.92E+00
420	488869.6	3856650.76	1.67E+00	6.34E-04	6.99E-01	5.48E-02	2.43E+00	2.21E+00	6.08E+01	6.99E+00	2.80E-01	7.02E+01	2.15E+00	7.68E-04	6.99E-01	5.48E-02	2.90E+00
421	488819.6	3856700.76	1.72E+00	6.35E-04	7.09E-01	5.42E-02	2.48E+00	2.27E+00	6.09E+01	7.09E+00	2.77E-01	7.05E+01	2.20E+00	7.69E-04	7.09E-01	5.42E-02	2.97E+00
422	488869.6	3856700.76	1.70E+00	6.34E-04	7.06E-01	5.40E-02	2.46E+00	2.24E+00	6.08E+01	7.06E+00	2.76E-01	7.04E+01	2.17E+00	7.68E-04	7.06E-01	5.40E-02	2.93E+00
423	488819.6	3856750.76	1.74E+00	6.49E-04	7.20E-01	5.40E-02	2.52E+00	2.30E+00	6.22E+01	7.20E+00	2.76E-01	7.20E+01	2.23E+00	7.86E-04	7.20E-01	5.40E-02	3.01E+00

424	488869.6	3856750.76	1.72E+00	6.59E-04	7.06E-01	5.32E-02	2.48E+00	2.27E+00	6.32E+01	7.06E+00	2.72E-01	7.28E+01	2.20E+00	7.98E-04	7.06E-01	5.32E-02	2.96E+00
425	488819.6	3857050.76	1.91E+00	8.10E-04	6.18E-01	8.28E-02	2.61E+00	2.53E+00	7.77E+01	6.18E+00	4.23E-01	8.68E+01	2.45E+00	9.81E-04	6.18E-01	8.28E-02	3.15E+00
426	488869.6	3857050.76	1.88E+00	8.08E-04	6.29E-01	8.06E-02	2.59E+00	2.48E+00	7.75E+01	6.29E+00	4.12E-01	8.67E+01	2.41E+00	9.79E-04	6.29E-01	8.06E-02	3.12E+00
427	488919.6	3857050.76	1.85E+00	8.37E-04	7.52E-01	8.78E-02	2.69E+00	2.44E+00	8.03E+01	7.52E+00	4.49E-01	9.07E+01	2.37E+00	1.01E-03	7.52E-01	8.78E-02	3.21E+00
428	488819.6	3857100.76	1.96E+00	8.35E-04	6.42E-01	8.35E-02	2.69E+00	2.59E+00	8.01E+01	6.42E+00	4.26E-01	8.95E+01	2.52E+00	1.01E-03	6.42E-01	8.35E-02	3.24E+00
429	488869.6	3857100.76	1.92E+00	8.41E-04	7.85E-01	9.12E-02	2.80E+00	2.54E+00	8.06E+01	7.85E+00	4.66E-01	9.15E+01	2.47E+00	1.02E-03	7.85E-01	9.12E-02	3.34E+00
430	488919.6	3857100.76	1.88E+00	8.73E-04	8.69E-01	9.46E-02	2.85E+00	2.49E+00	8.37E+01	8.69E+00	4.83E-01	9.54E+01	2.41E+00	1.06E-03	8.69E-01	9.46E-02	3.38E+00
431	488819.6	3857150.76	2.01E+00	8.60E-04	8.19E-01	9.43E-02	2.92E+00	2.66E+00	8.25E+01	8.19E+00	4.82E-01	9.38E+01	2.58E+00	1.04E-03	8.19E-01	9.43E-02	3.49E+00
432	488869.6	3857150.76	1.97E+00	8.83E-04	9.21E-01	9.81E-02	2.99E+00	2.60E+00	8.47E+01	9.21E+00	5.01E-01	9.70E+01	2.53E+00	1.07E-03	9.21E-01	9.81E-02	3.55E+00
433	488919.6	3857150.76	1.93E+00	9.06E-04	9.40E-01	9.78E-02	2.97E+00	2.55E+00	8.69E+01	9.40E+00	4.99E-01	9.93E+01	2.48E+00	1.10E-03	9.40E-01	9.78E-02	3.51E+00
434	488969.6	3857150.76	1.89E+00	9.16E-04	8.82E-01	9.36E-02	2.87E+00	2.50E+00	8.79E+01	8.82E+00	4.78E-01	9.97E+01	2.43E+00	1.11E-03	8.82E-01	9.36E-02	3.40E+00
435	488819.6	3857200.76	2.05E+00	8.86E-04	9.77E-01	1.02E-01	3.13E+00	2.71E+00	8.50E+01	9.77E+00	5.20E-01	9.80E+01	2.63E+00	1.07E-03	9.77E-01	1.02E-01	3.71E+00
436	488869.6	3857200.76	2.01E+00	9.23E-04	1.01E+00	1.01E-01	3.12E+00	2.66E+00	8.86E+01	1.01E+01	5.16E-01	1.02E+02	2.58E+00	1.12E-03	1.01E+00	1.01E-01	3.69E+00
437	488919.6	3857200.76	1.97E+00	9.42E-04	9.43E-01	9.65E-02	3.01E+00	2.61E+00	9.04E+01	9.43E+00	4.93E-01	1.03E+02	2.53E+00	1.14E-03	9.43E-01	9.65E-02	3.57E+00
438	488969.6	3857200.76	1.94E+00	9.45E-04	8.17E-01	8.88E-02	2.84E+00	2.56E+00	9.06E+01	8.17E+00	4.54E-01	1.02E+02	2.48E+00	1.14E-03	8.17E-01	8.88E-02	3.39E+00
439	488819.6	3857250.76	2.09E+00	9.26E-04	1.08E+00	1.05E-01	3.27E+00	2.76E+00	8.88E+01	1.08E+01	5.36E-01	1.03E+02	2.68E+00	1.12E-03	1.08E+00	1.05E-01	3.86E+00
440	488869.6	3857250.76	2.05E+00	9.57E-04	1.01E+00	9.99E-02	3.16E+00	2.71E+00	9.18E+01	1.01E+01	5.10E-01	1.05E+02	2.63E+00	1.16E-03	1.01E+00	9.99E-02	3.74E+00
441	488919.6	3857250.76	2.01E+00	9.72E-04	8.67E-01	9.12E-02	2.97E+00	2.66E+00	9.32E+01	8.67E+00	4.66E-01	1.05E+02	2.58E+00	1.18E-03	8.67E-01	9.12E-02	3.54E+00
442	488969.6	3857250.76	1.98E+00	9.74E-04	8.23E-01	8.03E-02	2.88E+00	2.61E+00	9.34E+01	8.23E+00	4.10E-01	1.05E+02	2.53E+00	1.18E-03	8.23E-01	8.03E-02	3.44E+00
443	488819.6	3857300.76	2.13E+00	9.69E-04	1.08E+00	1.03E-01	3.31E+00	2.81E+00	9.29E+01	1.08E+01	5.26E-01	1.07E+02	2.73E+00	1.17E-03	1.08E+00	1.03E-01	3.91E+00
444	488869.6	3857300.76	2.09E+00	9.94E-04	9.19E-01	9.38E-02	3.10E+00	2.76E+00	9.53E+01	9.19E+00	4.79E-01	1.08E+02	2.68E+00	1.20E-03	9.19E-01	9.38E-02	3.69E+00
445	488919.6	3857300.76	2.05E+00	1.01E-03	8.93E-01	8.19E-02	3.02E+00	2.71E+00	9.65E+01	8.93E+00	4.18E-01	1.09E+02	2.63E+00	1.22E-03	8.93E-01	8.19E-02	3.60E+00
446	488819.6	3857450.76	2.36E+00	1.08E-03	1.14E+00	7.64E-02	3.58E+00	3.12E+00	1.04E+02	1.14E+01	3.90E-01	1.19E+02	3.02E+00	1.31E-03	1.14E+00	7.64E-02	4.24E+00
447	488869.6	3857450.76	2.29E+00	1.09E-03	1.05E+00	7.53E-02	3.41E+00	3.02E+00	1.05E+02	1.05E+01	3.85E-01	1.18E+02	2.93E+00	1.32E-03	1.05E+00	7.53E-02	4.05E+00
448	488919.6	3857450.76	2.21E+00	1.10E-03	8.95E-01	7.94E-02	3.18E+00	2.92E+00	1.05E+02	8.95E+00	4.06E-01	1.17E+02	2.83E+00	1.33E-03	8.95E-01	7.94E-02	3.81E+00
449	488819.6	3857500.76	2.45E+00	1.11E-03	1.06E+00	7.41E-02	3.59E+00	3.24E+00	1.07E+02	1.06E+01	3.78E-01	1.21E+02	3.14E+00	1.35E-03	1.06E+00	7.41E-02	4.28E+00
450	488869.6	3857500.76	2.38E+00	1.12E-03	8.73E-01	7.73E-02	3.33E+00	3.14E+00	1.08E+02	8.73E+00	3.95E-01	1.20E+02	3.05E+00	1.36E-03	8.73E-01	7.73E-02	4.00E+00
451	488919.6	3857500.76	2.30E+00	1.12E-03	9.49E-01	8.12E-02	3.34E+00	3.04E+00	1.08E+02	9.49E+00	4.15E-01	1.21E+02	2.95E+00	1.36E-03	9.49E-01	8.12E-02	3.99E+00
452	488819.6	3857550.76	2.53E+00	1.15E-03	9.76E-01	7.43E-02	3.58E+00	3.34E+00	1.10E+02	9.76E+00	3.80E-01	1.23E+02	3.24E+00	1.39E-03	9.76E-01	7.43E-02	4.29E+00
453	488869.6	3857550.76	2.46E+00	1.15E-03	1.11E+00	7.93E-02	3.65E+00	3.25E+00	1.10E+02	1.11E+01	4.05E-01	1.25E+02	3.15E+00	1.39E-03	1.11E+00	7.93E-02	4.34E+00
454	488919.6	3857550.76	2.39E+00	1.15E-03	1.16E+00	8.29E-02	3.64E+00	3.16E+00	1.10E+02	1.16E+01	4.23E-01	1.25E+02	3.06E+00	1.39E-03	1.16E+00	8.29E-02	4.31E+00
455	489663.71	3860900.05	1.52E+00	2.78E-03	3.60E-01	1.64E-01	2.05E+00	2.01E+00	2.66E+02	3.60E+00	8.38E-01	2.73E+02	1.95E+00	3.37E-03	3.60E-01	1.64E-01	2.47E+00
456	489813.71	3860900.05	1.47E+00	2.43E-03	3.62E-01	1.24E-01	1.96E+00	1.94E+00	2.33E+02	3.62E+00	6.35E-01	2.40E+02	1.89E+00	2.95E-03	3.62E-01	1.24E-01	2.38E+00
457	489863.71	3860900.05	1.47E+00	2.31E-03	3.55E-01	1.24E-01	1.95E+00	1.94E+00	2.21E+02	3.55E+00	6.32E-01	2.27E+02	1.88E+00	2.79E-03	3.55E-01	1.24E-01	2.36E+00
458	489913.71	3860900.05	1.45E+00	2.21E-03	3.46E-01	1.23E-01	1.92E+00	1.91E+00	2.12E+02	3.46E+00	6.28E-01	2.18E+02	1.86E+00	2.68E-03	3.46E-01	1.23E-01	2.33E+00
459	489963.71	3860900.05	1.41E+00	2.11E-03	3.34E-01	1.22E-01	1.87E+00	1.86E+00	2.02E+02	3.34E+00	6.23E-01	2.08E+02	1.80E+00	2.56E-03	3.34E-01	1.22E-01	2.26E+00
460	490013.71	3860900.05	1.36E+00	2.05E-03	3.34E-01	1.20E-01	1.82E+00	1.80E+00	1.97E+02	3.34E+00	6.13E-01	2.02E+02	1.75E+00	2.48E-03	3.34E-01	1.20E-01	2.20E+00
461	490063.71	3860900.05	1.34E+00	1.98E-03	3.44E-01	1.18E-01	1.80E+00	1.77E+00	1.90E+02	3.44E+00	6.03E-01	1.96E+02	1.72E+00	2.40E-03	3.44E-01	1.18E-01	2.18E+00
462	489663.71	3860950.05	1.48E+00	2.78E-03	3.55E-01	1.68E-01	2.01E+00	1.96E+00	2.67E+02	3.55E+00	8.56E-01	2.73E+02	1.90E+00	3.37E-03	3.55E-01	1.68E-01	2.43E+00
463	489813.71	3860950.05	1.48E+00	2.52E-03	3.62E-01	1.29E-01	1.98E+00	1.96E+00	2.42E+02	3.62E+00	6.57E-01	2.48E+02	1.90E+00	3.06E-03	3.62E-01	1.29E-01	2.39E+00
464	489863.71	3860950.05	1.45E+00	2.41E-03	3.57E-01	1.23E-01	1.93E+00	1.92E+00	2.31E+02	3.57E+00	6.29E-01	2.37E+02	1.86E+00	2.92E-03	3.57E-01	1.23E-01	2.34E+00
465	489913.71	3860950.05	1.45E+00	2.29E-03	3.50E-01	1.23E-01	1.92E+00	1.91E+00	2.20E+02	3.50E+00	6.27E-01	2.26E+02	1.85E+00	2.78E-03	3.50E-01	1.23E-01	2.33E+00
466	489963.71	3860950.05	1.42E+00	2.19E-03	3.40E-01	1.22E-01	1.88E+00	1.88E+00	2.10E+02	3.40E+00	6.22E-01	2.16E+02	1.82E+00	2.66E-03	3.40E-01	1.22E-01	2.29E+00
467	490013.71	3860950.05	1.38E+00	2.10E-03	3.31E-01	1.21E-01	1.84E+00	1.83E+00	2.02E+02	3.31E+00	6.16E-01	2.08E+02	1.77E+00	2.55E-03	3.31E-01	1.21E-01	2.23E+00
468	490063.71	3860950.05	1.34E+00	2.02E-03	3.36E-01	1.19E-01	1.80E+00	1.77E+00	1.94E+02	3.36E+00	6.09E-01	2.00E+02	1.72E+00	2.45E-03	3.36E-01	1.19E-01	2.18E+00
469	489513.71	3861000.05	1.34E+00	2.92E-03	3.10E-01	1.31E-01	1.78E+00	1.76E+00	2.80E+02	3.10E+00	6.67E-01	2.85E+02	1.71E+00	3.53E-03	3.10E-01	1.31E-01	2.16E+00
470	489563.71	3861000.05	1.36E+00	2.90E-03	3.25E-01	1.35E-01	1.83E+00	1.80E+00	2.78E+02	3.25E+00	6.90E-01	2.84E+02	1.75E+00	3.51E-03	3.25E-01	1.35E-01	2.21E+00
471	489613.71	3861000.05	1.40E+00	2.87E-03	3.39E-01	1.50E-01	1.89E+00	1.85E+00	2.76E+02	3.39E+00	7.64E-01	2.82E+02	1.79E+00	3.48E-03	3.39E-01	1.50E-01	2.29E+00
472	489663.71	3861000.05	1.44E+00	2.81E-03	3.49E-01	1.60E-01	1.95E+00	1.91E+00	2.70E+02	3.49E+00	8.15E-01	2.76E+02	1.85E+00	3.41E-03	3.49E-01	1.60E-01	2.36E+00
473	489713.71	3861000.05	1.47E+00	2.72E-03	3.56E-01	1.62E-01	1.99E+00	1.94E+00	2.61E+02	3.56E+00	8.25E-01	2.67E+02	1.89E+00	3.30E-03	3.56E-01	1.62E-01	2.41E+00
474	489763.71	3861000.05	1.48E+00	2.65E-03	3.60E-01	1.56E-01	2.00E+00	1.96E+00	2.54E+02	3.60E+00	7.96E-01	2.61E+02	1.90E+00	3.21E-03	3.60E-01	1.56E-01	2.42E+00
475	489813.71	3861000.05	1.48E+00	2.58E-03	3.61E-01	1.44E-01	1.99E+00	1.96E+00	2.48E+02	3.61E+00	7.38E-01	2.54E+02	1.90E+00	3.13E-03	3.61E-01	1.44E-01	2.41E+00
476	489863.71	3861000.05	1.46E+00	2.49E-03	3.58E-01	1.28E-01	1.94E+00	1.92E+00	2.38E+02	3.58E+00	6.53E-01	2.45E+02	1.87E+00	3.01E-03	3.58E-01	1.28E-01	2.36E+00
477	489913.71	3861000.05	1.43E+00	2.39E-03	3.53E-01	1.22E-01	1.91E+00	1.90E+00	2.29E+02	3.53E+00	6.23E-01	2.35E+02	1.84E+00	2.89E-03	3.53E-01	1.22E-01	2.32E+00
478	489963.71	3861000.05	1.42E+00	2.28E-03	3.44E-01	1.22E-01	1.89E+00	1.88E+00	2.18E+02	3.44E+00	6.21E-01	2.24E+02	1.82E+00	2.76E-03	3.44E-01	1.22E-01	2.29E+00
479	490013.71	3861000.05	1.40E+00	2.18E-03	3.33E-01	1.21E-01	1.85E+00	1.85E+00	2.09E+02	3.33E+00	6.17E-01	2.15E+02	1.79E+00	2.64E-03	3.33E-01	1.21E-01	2.25E+00
480	490063.71	3861000.05	1.36E+00	2.10E-03	3.28E-01	1.20E-01	1.81E+00	1.79E+00	2.01E+02	3.28E+00	6.12E-01	2.07E+02	1.74E+00	2.54E-03	3.28E-01	1.20E-01	2.19E+00
481	489513.71	3861050.05	1.31E+00	2.85E-03	3.00E-01	1.50E-01	1.76E+00	1.73E+00	2.74E+02	3.00E+00	7.65E-01	2.79E+02	1.68E+00	3.46E-03	3.00E-01	1.50E-01	2.13E+00
482	489563.71	3861050.05	1.33E+00	2.84E-03	3.17E-01	1.24E-01	1.77E+00	1.75E+00	2.72E+02	3.17E+00	6.32E-01	2.78E+02	1.70E+00	3.44E-03	3.17E-01	1.24E-01	2.15E+00
483	489613.71	3861050.05	1.35E+00	2.82E-03	3.31E-01	1.33E-01	1.82E+00	1.79E+00	2.71E+02	3.31E+00	6.78E-01	2.76E+02	1.74E+00	3.42E-03	3.31E-01	1.33E-01	2.20E+00
484	489663.71	3861050.05	1.39E+00	2.79E-03	3.42E-01	1.45E-01	1.88E+00	1.84E+00	2.68E+02	3.42E+00	7.38E-01	2.74E+02	1.79E+00	3.38E-03	3.42E-01	1.45E-01	2.28E+00

485	489713.71	3861050.05	1.43E+00	2.74E-03	3.50E-01	1.53E-01	1.94E+00	1.89E+00	2.63E+02	3.50E+00	7.82E-01	2.69E+02	1.84E+00	3.32E-03	3.50E-01	1.53E-01	2.34E+00
486	489763.71	3861050.05	1.46E+00	2.66E-03	3.56E-01	1.56E-01	1.97E+00	1.93E+00	2.55E+02	3.56E+00	7.97E-01	2.62E+02	1.87E+00	3.23E-03	3.56E-01	1.56E-01	2.38E+00
487	489813.71	3861050.05	1.47E+00	2.59E-03	3.59E-01	1.52E-01	1.98E+00	1.94E+00	2.49E+02	3.59E+00	7.77E-01	2.55E+02	1.88E+00	3.14E-03	3.59E-01	1.52E-01	2.40E+00
488	489863.71	3861050.05	1.46E+00	2.53E-03	3.58E-01	1.41E-01	1.96E+00	1.93E+00	2.43E+02	3.58E+00	7.22E-01	2.49E+02	1.87E+00	3.06E-03	3.58E-01	1.41E-01	2.37E+00
489	489913.71	3861050.05	1.43E+00	2.45E-03	3.54E-01	1.27E-01	1.92E+00	1.89E+00	2.35E+02	3.54E+00	6.50E-01	2.41E+02	1.84E+00	2.97E-03	3.54E-01	1.27E-01	2.32E+00
490	489963.71	3861050.05	1.41E+00	2.36E-03	3.47E-01	1.21E-01	1.88E+00	1.87E+00	2.26E+02	3.47E+00	6.17E-01	2.32E+02	1.81E+00	2.86E-03	3.47E-01	1.21E-01	2.28E+00
491	490013.71	3861050.05	1.40E+00	2.26E-03	3.38E-01	1.21E-01	1.86E+00	1.85E+00	2.17E+02	3.38E+00	6.16E-01	2.23E+02	1.80E+00	2.74E-03	3.38E-01	1.21E-01	2.26E+00
492	490063.71	3861050.05	1.38E+00	2.17E-03	3.30E-01	1.20E-01	1.83E+00	1.82E+00	2.08E+02	3.30E+00	6.12E-01	2.14E+02	1.76E+00	2.63E-03	3.30E-01	1.20E-01	2.22E+00
493	489513.71	3861100.05	1.28E+00	2.85E-03	2.91E-01	1.68E-01	1.75E+00	1.70E+00	2.74E+02	2.91E+00	8.56E-01	2.79E+02	1.65E+00	3.46E-03	2.91E-01	1.68E-01	2.11E+00
494	489563.71	3861100.05	1.30E+00	2.78E-03	3.07E-01	1.41E-01	1.75E+00	1.71E+00	2.66E+02	3.07E+00	7.21E-01	2.72E+02	1.66E+00	3.36E-03	3.07E-01	1.41E-01	2.11E+00
495	489613.71	3861100.05	1.32E+00	2.75E-03	3.21E-01	1.16E-01	1.76E+00	1.74E+00	2.64E+02	3.21E+00	5.94E-01	2.69E+02	1.69E+00	3.33E-03	3.21E-01	1.16E-01	2.13E+00
496	489663.71	3861100.05	1.34E+00	2.73E-03	3.34E-01	1.27E-01	1.80E+00	1.77E+00	2.62E+02	3.34E+00	6.51E-01	2.68E+02	1.71E+00	3.31E-03	3.34E-01	1.27E-01	2.18E+00
497	489713.71	3861100.05	1.38E+00	2.71E-03	3.44E-01	1.39E-01	1.87E+00	1.83E+00	2.60E+02	3.44E+00	7.09E-01	2.66E+02	1.77E+00	3.29E-03	3.44E-01	1.39E-01	2.26E+00
498	489763.71	3861100.05	1.42E+00	2.67E-03	3.51E-01	1.47E-01	1.92E+00	1.88E+00	2.56E+02	3.51E+00	7.51E-01	2.62E+02	1.82E+00	3.24E-03	3.51E-01	1.47E-01	2.32E+00
499	489813.71	3861100.05	1.44E+00	2.61E-03	3.55E-01	1.51E-01	1.95E+00	1.91E+00	2.50E+02	3.55E+00	7.69E-01	2.56E+02	1.85E+00	3.16E-03	3.55E-01	1.51E-01	2.36E+00
500	489863.71	3861100.05	1.45E+00	2.53E-03	3.56E-01	1.48E-01	1.96E+00	1.92E+00	2.43E+02	3.56E+00	7.56E-01	2.49E+02	1.86E+00	3.07E-03	3.56E-01	1.48E-01	2.37E+00
501	489913.71	3861100.05	1.44E+00	2.48E-03	3.54E-01	1.38E-01	1.93E+00	1.90E+00	2.38E+02	3.54E+00	7.07E-01	2.44E+02	1.84E+00	3.00E-03	3.54E-01	1.38E-01	2.34E+00
502	489963.71	3861100.05	1.41E+00	2.41E-03	3.49E-01	1.26E-01	1.89E+00	1.86E+00	2.31E+02	3.49E+00	6.43E-01	2.37E+02	1.81E+00	2.92E-03	3.49E-01	1.26E-01	2.28E+00
503	490013.71	3861100.05	1.39E+00	2.33E-03	3.41E-01	1.19E-01	1.86E+00	1.84E+00	2.23E+02	3.41E+00	6.10E-01	2.29E+02	1.79E+00	2.82E-03	3.41E-01	1.19E-01	2.25E+00
504	490063.71	3861100.05	1.38E+00	2.24E-03	3.31E-01	1.19E-01	1.83E+00	1.82E+00	2.15E+02	3.31E+00	6.09E-01	2.21E+02	1.77E+00	2.71E-03	3.31E-01	1.19E-01	2.22E+00
505	489713.71	3861150.05	1.33E+00	2.66E-03	3.37E-01	1.24E-01	1.79E+00	1.75E+00	2.56E+02	3.37E+00	6.34E-01	2.61E+02	1.70E+00	3.23E-03	3.37E-01	1.24E-01	2.17E+00
506	489763.71	3861150.05	1.38E+00	2.64E-03	3.45E-01	1.34E-01	1.86E+00	1.82E+00	2.53E+02	3.45E+00	6.86E-01	2.59E+02	1.76E+00	3.20E-03	3.45E-01	1.34E-01	2.25E+00
507	489813.71	3861150.05	1.41E+00	2.61E-03	3.51E-01	1.42E-01	1.91E+00	1.86E+00	2.50E+02	3.51E+00	7.26E-01	2.57E+02	1.81E+00	3.16E-03	3.51E-01	1.42E-01	2.30E+00
508	489863.71	3861150.05	1.43E+00	2.55E-03	3.53E-01	1.45E-01	1.93E+00	1.89E+00	2.45E+02	3.53E+00	7.42E-01	2.51E+02	1.83E+00	3.09E-03	3.53E-01	1.45E-01	2.33E+00
509	489913.71	3861150.05	1.43E+00	2.47E-03	3.53E-01	1.43E-01	1.93E+00	1.89E+00	2.37E+02	3.53E+00	7.29E-01	2.43E+02	1.83E+00	2.99E-03	3.53E-01	1.43E-01	2.33E+00
510	489963.71	3861150.05	1.41E+00	2.43E-03	3.49E-01	1.35E-01	1.90E+00	1.87E+00	2.33E+02	3.49E+00	6.89E-01	2.39E+02	1.81E+00	2.94E-03	3.49E-01	1.35E-01	2.30E+00
511	490013.71	3861150.05	1.38E+00	2.37E-03	3.43E-01	1.24E-01	1.85E+00	1.82E+00	2.27E+02	3.43E+00	6.32E-01	2.33E+02	1.77E+00	2.87E-03	3.43E-01	1.24E-01	2.24E+00
512	490063.71	3861150.05	1.38E+00	2.30E-03	3.35E-01	1.18E-01	1.83E+00	1.82E+00	2.20E+02	3.35E+00	6.03E-01	2.26E+02	1.76E+00	2.78E-03	3.35E-01	1.18E-01	2.22E+00
513	489613.71	3861200.05	1.25E+00	2.69E-03	3.02E-01	1.44E-01	1.70E+00	1.66E+00	2.58E+02	3.02E+00	7.35E-01	2.63E+02	1.61E+00	3.26E-03	3.02E-01	1.44E-01	2.06E+00
514	489663.71	3861200.05	1.27E+00	2.63E-03	3.17E-01	1.23E-01	1.71E+00	1.68E+00	2.52E+02	3.17E+00	6.29E-01	2.57E+02	1.63E+00	3.18E-03	3.17E-01	1.23E-01	2.07E+00
515	489713.71	3861200.05	1.30E+00	2.61E-03	3.29E-01	1.12E-01	1.74E+00	1.71E+00	2.50E+02	3.29E+00	5.71E-01	2.56E+02	1.66E+00	3.16E-03	3.29E-01	1.12E-01	2.11E+00
516	489763.71	3861200.05	1.32E+00	2.60E-03	3.39E-01	1.21E-01	1.79E+00	1.75E+00	2.49E+02	3.39E+00	6.18E-01	2.55E+02	1.70E+00	3.15E-03	3.39E-01	1.21E-01	2.16E+00
517	489813.71	3861200.05	1.37E+00	2.58E-03	3.46E-01	1.30E-01	1.85E+00	1.81E+00	2.47E+02	3.46E+00	6.65E-01	2.53E+02	1.75E+00	3.12E-03	3.46E-01	1.30E-01	2.23E+00
518	489863.71	3861200.05	1.40E+00	2.55E-03	3.50E-01	1.38E-01	1.89E+00	1.85E+00	2.45E+02	3.50E+00	7.03E-01	2.51E+02	1.79E+00	3.09E-03	3.50E-01	1.38E-01	2.29E+00
519	489913.71	3861200.05	1.41E+00	2.50E-03	3.51E-01	1.40E-01	1.91E+00	1.87E+00	2.40E+02	3.51E+00	7.17E-01	2.46E+02	1.81E+00	3.03E-03	3.51E-01	1.40E-01	2.31E+00
520	489963.71	3861200.05	1.41E+00	2.43E-03	3.49E-01	1.38E-01	1.90E+00	1.86E+00	2.33E+02	3.49E+00	7.06E-01	2.39E+02	1.81E+00	2.94E-03	3.49E-01	1.38E-01	2.30E+00
521	490013.71	3861200.05	1.39E+00	2.38E-03	3.45E-01	1.32E-01	1.87E+00	1.84E+00	2.28E+02	3.45E+00	6.73E-01	2.34E+02	1.78E+00	2.88E-03	3.45E-01	1.32E-01	2.26E+00
522	490063.71	3861200.05	1.36E+00	2.33E-03	3.37E-01	1.22E-01	1.82E+00	1.80E+00	2.23E+02	3.37E+00	6.23E-01	2.29E+02	1.74E+00	2.82E-03	3.37E-01	1.22E-01	2.21E+00
523	489513.71	3861250.05	1.37E+00	2.70E-03	2.72E-01	1.79E-01	1.82E+00	1.80E+00	2.59E+02	2.72E+00	9.15E-01	2.64E+02	1.75E+00	3.27E-03	2.72E-01	1.79E-01	2.21E+00
524	489563.71	3861250.05	1.25E+00	2.69E-03	2.76E-01	1.70E-01	1.70E+00	1.65E+00	2.58E+02	2.76E+00	8.67E-01	2.63E+02	1.60E+00	3.26E-03	2.76E-01	1.70E-01	2.05E+00
525	489613.71	3861250.05	1.23E+00	2.67E-03	2.93E-01	1.55E-01	1.68E+00	1.62E+00	2.56E+02	2.93E+00	7.90E-01	2.61E+02	1.57E+00	3.23E-03	2.93E-01	1.55E-01	2.02E+00
526	489663.71	3861250.05	1.25E+00	2.63E-03	3.08E-01	1.36E-01	1.69E+00	1.64E+00	2.52E+02	3.08E+00	6.94E-01	2.57E+02	1.60E+00	3.18E-03	3.08E-01	1.36E-01	2.04E+00
527	489713.71	3861250.05	1.26E+00	2.57E-03	3.21E-01	1.16E-01	1.70E+00	1.67E+00	2.46E+02	3.21E+00	5.92E-01	2.52E+02	1.62E+00	3.11E-03	3.21E-01	1.16E-01	2.06E+00
528	489763.71	3861250.05	1.29E+00	2.55E-03	3.32E-01	1.10E-01	1.73E+00	1.70E+00	2.44E+02	3.32E+00	5.61E-01	2.50E+02	1.65E+00	3.09E-03	3.32E-01	1.10E-01	2.09E+00
529	489813.71	3861250.05	1.32E+00	2.54E-03	3.40E-01	1.18E-01	1.78E+00	1.74E+00	2.44E+02	3.40E+00	6.03E-01	2.50E+02	1.69E+00	3.08E-03	3.40E-01	1.18E-01	2.15E+00
530	489863.71	3861250.05	1.36E+00	2.51E-03	3.46E-01	1.26E-01	1.83E+00	1.80E+00	2.41E+02	3.46E+00	6.45E-01	2.47E+02	1.74E+00	3.05E-03	3.46E-01	1.26E-01	2.22E+00
531	489913.71	3861250.05	1.39E+00	2.49E-03	3.48E-01	1.33E-01	1.87E+00	1.83E+00	2.39E+02	3.48E+00	6.78E-01	2.45E+02	1.78E+00	3.02E-03	3.48E-01	1.33E-01	2.26E+00
532	489963.71	3861250.05	1.40E+00	2.45E-03	3.48E-01	1.36E-01	1.88E+00	1.85E+00	2.35E+02	3.48E+00	6.93E-01	2.41E+02	1.79E+00	2.97E-03	3.48E-01	1.36E-01	2.28E+00
533	490013.71	3861250.05	1.39E+00	2.39E-03	3.45E-01	1.34E-01	1.87E+00	1.84E+00	2.29E+02	3.45E+00	6.86E-01	2.35E+02	1.78E+00	2.89E-03	3.45E-01	1.34E-01	2.27E+00
534	490063.71	3861250.05	1.37E+00	2.32E-03	3.39E-01	1.28E-01	1.84E+00	1.81E+00	2.23E+02	3.39E+00	6.56E-01	2.29E+02	1.75E+00	2.82E-03	3.39E-01	1.28E-01	2.22E+00
535	489528.13	3861308.47	1.40E+00	2.62E-03	2.67E-01	1.74E-01	1.85E+00	1.85E+00	2.52E+02	2.67E+00	8.91E-01	2.57E+02	1.80E+00	3.18E-03	2.67E-01	1.74E-01	2.24E+00
536	489578.13	3861308.47	1.29E+00	2.63E-03	2.69E-01	1.69E-01	1.73E+00	1.70E+00	2.52E+02	2.69E+00	8.62E-01	2.57E+02	1.65E+00	3.18E-03	2.69E-01	1.69E-01	2.09E+00
537	489628.13	3861308.47	1.20E+00	2.62E-03	2.86E-01	1.58E-01	1.64E+00	1.58E+00	2.51E+02	2.86E+00	8.05E-01	2.56E+02	1.53E+00	3.17E-03	2.86E-01	1.58E-01	1.98E+00
538	489678.13	3861308.47	1.22E+00	2.60E-03	3.01E-01	1.42E-01	1.67E+00	1.61E+00	2.49E+02	3.01E+00	7.27E-01	2.54E+02	1.57E+00	3.14E-03	3.01E-01	1.42E-01	2.01E+00
539	489728.13	3861308.47	1.23E+00	2.55E-03	3.15E-01	1.24E-01	1.67E+00	1.63E+00	2.45E+02	3.15E+00	6.35E-01	2.50E+02	1.58E+00	3.09E-03	3.15E-01	1.24E-01	2.02E+00
540	489778.13	3861308.47	1.26E+00	2.49E-03	3.26E-01	1.06E-01	1.69E+00	1.66E+00	2.39E+02	3.26E+00	5.39E-01	2.45E+02	1.61E+00	3.02E-03	3.26E-01	1.06E-01	2.04E+00
541	489678.13	3861358.47	1.19E+00	2.56E-03	2.92E-01	1.49E-01	1.63E+00	1.57E+00	2.46E+02	2.92E+00	7.61E-01	2.51E+02	1.53E+00	3.11E-03	2.92E-01	1.49E-01	1.97E+00
542	489728.13	3861358.47	1.21E+00	2.54E-03	3.06E-01	1.34E-01	1.65E+00	1.60E+00	2.44E+02	3.06E+00	6.83E-01	2.49E+02	1.55E+00	3.08E-03	3.06E-01	1.34E-01	2.00E+00
543	489528.13	3861408.47	1.50E+00	2.46E-03	2.58E-01	1.60E-01	1.92E+00	1.98E+00	2.36E+02	2.58E+00	8.19E-01	2.42E+02	1.93E+00	2.99E-03	2.58E-01	1.60E-01	2.35E+00
544	489578.13	3861408.47	1.40E+00	2.49E-03	2.61E-01	1.63E-01	1.83E+00	1.85E+00	2.39E+02	2.61E+00	8.30E-01	2.44E+02	1.80E+00	3.02E-03	2.61E-01	1.63E-01	2.22E+00
545	489628.13	3861408.47	1.30E+00	2.52E-03	2.66E-01	1.61E-01	1.73E+00	1.72E+00	2.41E+02	2.66E+00	8.21E-01	2.47E+02	1.66E+00	3.05E-03	2.66E-01	1.61E-01	2.09E+00

546	489678.13	3861408.47	1.19E+00	2.52E-03	2.82E-01	1.53E-01	1.62E+00	1.57E+00	2.42E+02	2.82E+00	7.80E-01	2.47E+02	1.52E+00	3.05E-03	2.82E-01	1.53E-01	1.96E+00
547	489728.13	3861408.47	1.18E+00	2.51E-03	2.97E-01	1.40E-01	1.62E+00	1.56E+00	2.41E+02	2.97E+00	7.17E-01	2.46E+02	1.52E+00	3.04E-03	2.97E-01	1.40E-01	1.96E+00
548	489528.13	3861458.47	1.55E+00	2.37E-03	2.52E-01	1.51E-01	1.95E+00	2.04E+00	2.28E+02	2.52E+00	7.70E-01	2.33E+02	1.98E+00	2.88E-03	2.52E-01	1.51E-01	2.39E+00
549	489578.13	3861458.47	1.45E+00	2.42E-03	2.58E-01	1.56E-01	1.87E+00	1.92E+00	2.32E+02	2.58E+00	7.97E-01	2.37E+02	1.86E+00	2.93E-03	2.58E-01	1.56E-01	2.28E+00
550	489628.13	3861458.47	1.35E+00	2.45E-03	2.58E-01	1.57E-01	1.77E+00	1.79E+00	2.35E+02	2.58E+00	8.01E-01	2.40E+02	1.73E+00	2.96E-03	2.58E-01	1.57E-01	2.15E+00
551	489678.13	3861458.47	1.25E+00	2.46E-03	2.72E-01	1.53E-01	1.67E+00	1.65E+00	2.36E+02	2.72E+00	7.79E-01	2.41E+02	1.60E+00	2.98E-03	2.72E-01	1.53E-01	2.02E+00
552	489728.13	3861458.47	1.15E+00	2.46E-03	2.87E-01	1.44E-01	1.58E+00	1.52E+00	2.36E+02	2.87E+00	7.33E-01	2.41E+02	1.48E+00	2.98E-03	2.87E-01	1.44E-01	1.91E+00
553	489528.13	3861508.47	1.59E+00	2.28E-03	2.46E-01	1.40E-01	1.97E+00	2.10E+00	2.18E+02	2.46E+00	7.15E-01	2.24E+02	2.03E+00	2.76E-03	2.46E-01	1.40E-01	2.42E+00
554	489578.13	3861508.47	1.50E+00	2.33E-03	2.53E-01	1.47E-01	1.90E+00	1.98E+00	2.23E+02	2.53E+00	7.51E-01	2.28E+02	1.92E+00	2.82E-03	2.53E-01	1.47E-01	2.32E+00
555	489628.13	3861508.47	1.40E+00	2.37E-03	2.55E-01	1.50E-01	1.81E+00	1.85E+00	2.27E+02	2.55E+00	7.68E-01	2.32E+02	1.80E+00	2.87E-03	2.55E-01	1.50E-01	2.21E+00
556	489678.13	3861508.47	1.30E+00	2.39E-03	2.62E-01	1.49E-01	1.71E+00	1.72E+00	2.29E+02	2.62E+00	7.62E-01	2.35E+02	1.67E+00	2.90E-03	2.62E-01	1.49E-01	2.08E+00
557	489728.13	3861508.47	1.19E+00	2.41E-03	2.78E-01	1.44E-01	1.62E+00	1.58E+00	2.31E+02	2.78E+00	7.36E-01	2.36E+02	1.53E+00	2.92E-03	2.78E-01	1.44E-01	1.95E+00
558	489628.13	3861558.47	1.45E+00	2.28E-03	2.52E-01	1.43E-01	1.85E+00	1.92E+00	2.19E+02	2.52E+00	7.30E-01	2.24E+02	1.86E+00	2.76E-03	2.52E-01	1.43E-01	2.26E+00
559	489678.13	3861558.47	1.36E+00	2.32E-03	2.53E-01	1.45E-01	1.76E+00	1.79E+00	2.23E+02	2.53E+00	7.43E-01	2.28E+02	1.74E+00	2.81E-03	2.53E-01	1.45E-01	2.14E+00
560	489728.13	3861558.47	1.25E+00	2.35E-03	2.69E-01	1.43E-01	1.67E+00	1.66E+00	2.25E+02	2.69E+00	7.32E-01	2.30E+02	1.61E+00	2.85E-03	2.69E-01	1.43E-01	2.02E+00
561	489357.08	3861015.81	1.46E+00	3.04E-03	2.87E-01	2.11E-01	1.96E+00	1.93E+00	2.92E+02	2.87E+00	1.08E+00	2.98E+02	1.87E+00	3.68E-03	2.87E-01	2.11E-01	2.37E+00
562	489407.08	3861015.81	1.33E+00	3.00E-03	2.90E-01	1.91E-01	1.81E+00	1.76E+00	2.87E+02	2.90E+00	9.76E-01	2.93E+02	1.71E+00	3.63E-03	2.90E-01	1.91E-01	2.19E+00
563	489457.08	3861015.81	1.30E+00	2.93E-03	2.87E-01	1.66E-01	1.76E+00	1.72E+00	2.81E+02	2.87E+00	8.49E-01	2.87E+02	1.67E+00	3.55E-03	2.87E-01	1.66E-01	2.13E+00
564	489357.08	3861065.81	1.52E+00	2.98E-03	2.80E-01	2.12E-01	2.02E+00	2.01E+00	2.86E+02	2.80E+00	1.08E+00	2.92E+02	1.95E+00	3.61E-03	2.80E-01	2.12E-01	2.45E+00
565	489407.08	3861065.81	1.40E+00	2.95E-03	2.86E-01	2.00E-01	1.89E+00	1.85E+00	2.83E+02	2.86E+00	1.02E+00	2.89E+02	1.79E+00	3.58E-03	2.86E-01	2.00E-01	2.28E+00
566	489457.08	3861065.81	1.27E+00	2.91E-03	2.86E-01	1.81E-01	1.74E+00	1.68E+00	2.79E+02	2.86E+00	9.24E-01	2.85E+02	1.63E+00	3.53E-03	2.86E-01	1.81E-01	2.10E+00
567	489357.08	3861115.81	1.58E+00	2.91E-03	2.72E-01	2.07E-01	2.06E+00	2.09E+00	2.79E+02	2.72E+00	1.06E+00	2.85E+02	2.02E+00	3.52E-03	2.72E-01	2.07E-01	2.51E+00
568	489407.08	3861115.81	1.46E+00	2.90E-03	2.81E-01	2.03E-01	1.95E+00	1.93E+00	2.78E+02	2.81E+00	1.04E+00	2.84E+02	1.88E+00	3.51E-03	2.81E-01	2.03E-01	2.37E+00
569	489457.08	3861115.81	1.34E+00	2.88E-03	2.84E-01	1.91E-01	1.82E+00	1.77E+00	2.76E+02	2.84E+00	9.78E-01	2.82E+02	1.72E+00	3.49E-03	2.84E-01	1.91E-01	2.20E+00
570	489407.08	3861165.81	1.53E+00	2.84E-03	2.76E-01	2.01E-01	2.01E+00	2.01E+00	2.72E+02	2.76E+00	1.03E+00	2.78E+02	1.96E+00	3.44E-03	2.76E-01	2.01E-01	2.44E+00
571	489457.08	3861165.81	1.41E+00	2.83E-03	2.80E-01	1.94E-01	1.89E+00	1.86E+00	2.71E+02	2.80E+00	9.93E-01	2.77E+02	1.80E+00	3.43E-03	2.80E-01	1.94E-01	2.28E+00
572	489407.08	3861215.81	1.57E+00	2.74E-03	2.66E-01	1.89E-01	2.03E+00	2.07E+00	2.63E+02	2.66E+00	9.68E-01	2.69E+02	2.01E+00	3.32E-03	2.66E-01	1.89E-01	2.47E+00
573	489457.08	3861215.81	1.46E+00	2.75E-03	2.73E-01	1.89E-01	1.93E+00	1.93E+00	2.64E+02	2.73E+00	9.67E-01	2.70E+02	1.87E+00	3.33E-03	2.73E-01	1.89E-01	2.34E+00
574	489407.08	3861265.81	1.61E+00	2.64E-03	2.56E-01	1.76E-01	2.04E+00	2.12E+00	2.53E+02	2.56E+00	8.98E-01	2.59E+02	2.06E+00	3.20E-03	2.56E-01	1.76E-01	2.50E+00
575	489457.08	3861265.81	1.51E+00	2.67E-03	2.66E-01	1.81E-01	1.96E+00	1.99E+00	2.56E+02	2.66E+00	9.23E-01	2.61E+02	1.93E+00	3.23E-03	2.66E-01	1.81E-01	2.38E+00
576	489309.86	3861110.14	1.67E+00	2.91E-03	2.59E-01	2.03E-01	2.14E+00	2.21E+00	2.79E+02	2.59E+00	1.04E+00	2.85E+02	2.15E+00	3.52E-03	2.59E-01	2.03E-01	2.61E+00
577	489407.08	3861315.81	1.65E+00	2.55E-03	2.47E-01	1.63E-01	2.06E+00	2.18E+00	2.44E+02	2.47E+00	8.35E-01	2.50E+02	2.11E+00	3.09E-03	2.47E-01	1.63E-01	2.53E+00
578	489457.08	3861315.81	1.56E+00	2.58E-03	2.59E-01	1.72E-01	1.99E+00	2.06E+00	2.48E+02	2.59E+00	8.77E-01	2.53E+02	2.00E+00	3.13E-03	2.59E-01	1.72E-01	2.43E+00
579	488906.03	3861006.75	2.09E+00	3.21E-03	2.71E-01	1.19E-01	2.48E+00	2.76E+00	3.08E+02	2.71E+00	6.09E-01	3.14E+02	2.68E+00	3.89E-03	2.71E-01	1.19E-01	3.07E+00
580	488956.03	3861006.75	2.09E+00	3.17E-03	2.36E-01	1.35E-01	2.47E+00	2.77E+00	3.04E+02	2.36E+00	6.89E-01	3.09E+02	2.68E+00	3.84E-03	2.36E-01	1.35E-01	3.06E+00
581	488904.24	3861051.87	2.10E+00	3.18E-03	2.91E-01	1.18E-01	2.51E+00	2.77E+00	3.05E+02	2.91E+00	6.03E-01	3.11E+02	2.69E+00	3.85E-03	2.91E-01	1.18E-01	3.10E+00
582	488954.24	3861051.87	2.09E+00	3.12E-03	2.49E-01	1.28E-01	2.47E+00	2.76E+00	2.99E+02	2.49E+00	6.54E-01	3.05E+02	2.68E+00	3.78E-03	2.49E-01	1.28E-01	3.06E+00
583	489004.24	3861051.87	2.09E+00	3.06E-03	2.13E-01	1.44E-01	2.45E+00	2.76E+00	2.93E+02	2.13E+00	7.33E-01	2.99E+02	2.68E+00	3.71E-03	2.13E-01	1.44E-01	3.04E+00
584	488804.24	3861101.87	1.96E+00	3.20E-03	3.38E-01	1.94E-01	2.49E+00	2.59E+00	3.07E+02	3.38E+00	9.92E-01	3.14E+02	2.51E+00	3.88E-03	3.38E-01	1.94E-01	3.05E+00
585	488854.24	3861101.87	2.01E+00	3.16E-03	3.22E-01	1.28E-01	2.47E+00	2.66E+00	3.03E+02	3.22E+00	6.53E-01	3.10E+02	2.58E+00	3.83E-03	3.22E-01	1.28E-01	3.03E+00
586	488904.24	3861101.87	2.02E+00	3.07E-03	2.85E-01	1.01E-01	2.41E+00	2.67E+00	2.95E+02	2.85E+00	5.18E-01	3.01E+02	2.59E+00	3.72E-03	2.85E-01	1.01E-01	2.98E+00
587	488954.24	3861101.87	2.03E+00	3.00E-03	2.49E-01	1.08E-01	2.39E+00	2.68E+00	2.88E+02	2.49E+00	5.53E-01	2.94E+02	2.61E+00	3.64E-03	2.49E-01	1.08E-01	2.97E+00
588	489004.24	3861101.87	2.03E+00	2.94E-03	2.13E-01	1.19E-01	2.37E+00	2.69E+00	2.82E+02	2.13E+00	6.08E-01	2.88E+02	2.61E+00	3.57E-03	2.13E-01	1.19E-01	2.94E+00
589	488804.24	3861151.87	1.87E+00	3.08E-03	3.28E-01	1.92E-01	2.40E+00	2.47E+00	2.95E+02	3.28E+00	9.81E-01	3.02E+02	2.40E+00	3.73E-03	3.28E-01	1.92E-01	2.92E+00
590	488854.24	3861151.87	1.92E+00	3.02E-03	3.11E-01	1.29E-01	2.36E+00	2.54E+00	2.90E+02	3.11E+00	6.57E-01	2.96E+02	2.46E+00	3.66E-03	3.11E-01	1.29E-01	2.91E+00
591	489129.49	3861187.55	1.95E+00	2.66E-03	1.57E-01	1.27E-01	2.24E+00	2.58E+00	2.55E+02	1.57E+00	6.46E-01	2.60E+02	2.50E+00	3.22E-03	1.57E-01	1.27E-01	2.79E+00
592	489179.49	3861187.55	1.91E+00	2.61E-03	1.82E-01	1.40E-01	2.23E+00	2.52E+00	2.51E+02	1.82E+00	7.17E-01	2.56E+02	2.45E+00	3.17E-03	1.82E-01	1.40E-01	2.77E+00
593	488804.24	3861201.87	1.82E+00	3.03E-03	3.29E-01	2.03E-01	2.35E+00	2.40E+00	2.90E+02	3.29E+00	1.04E+00	2.97E+02	2.33E+00	3.67E-03	3.29E-01	2.03E-01	2.86E+00
594	488854.24	3861201.87	1.87E+00	2.96E-03	3.13E-01	1.41E-01	2.32E+00	2.47E+00	2.83E+02	3.13E+00	7.18E-01	2.90E+02	2.39E+00	3.58E-03	3.13E-01	1.41E-01	2.85E+00
595	489129.49	3861237.55	1.95E+00	2.64E-03	1.49E-01	1.16E-01	2.22E+00	2.58E+00	2.53E+02	1.49E+00	5.93E-01	2.58E+02	2.50E+00	3.20E-03	1.49E-01	1.16E-01	2.77E+00
596	489179.49	3861237.55	1.91E+00	2.56E-03	1.71E-01	1.27E-01	2.22E+00	2.53E+00	2.45E+02	1.71E+00	6.50E-01	2.50E+02	2.45E+00	3.10E-03	1.71E-01	1.27E-01	2.76E+00
597	488804.24	3861251.87	1.76E+00	2.98E-03	3.30E-01	2.13E-01	2.31E+00	2.32E+00	2.86E+02	3.30E+00	1.09E+00	2.92E+02	2.26E+00	3.61E-03	3.30E-01	2.13E-01	2.80E+00
598	488854.24	3861251.87	1.81E+00	2.91E-03	3.15E-01	1.53E-01	2.29E+00	2.40E+00	2.79E+02	3.15E+00	7.83E-01	2.85E+02	2.33E+00	3.53E-03	3.15E-01	1.53E-01	2.80E+00
599	488804.24	3861301.87	1.70E+00	2.92E-03	3.28E-01	2.18E-01	2.24E+00	2.24E+00	2.80E+02	3.28E+00	1.11E+00	2.87E+02	2.17E+00	3.54E-03	3.28E-01	2.18E-01	2.72E+00
600	488854.24	3861301.87	1.76E+00	2.87E-03	3.17E-01	1.64E-01	2.24E+00	2.32E+00	2.75E+02	3.17E+00	8.39E-01	2.81E+02	2.26E+00	3.47E-03	3.17E-01	1.64E-01	2.74E+00
601	490943.5	3860181.97	1.41E+00	1.38E-03	3.72E-01	9.42E-02	1.88E+00	1.87E+00	1.33E+02	3.72E+00	4.81E-01	1.39E+02	1.81E+00	1.68E-03	3.72E-01	9.42E-02	2.28E+00
602	490993.5	3860181.97	1.44E+00	1.35E-03	3.68E-01	9.19E-02	1.90E+00	1.90E+00	1.30E+02	3.68E+00	4.70E-01	1.36E+02	1.85E+00	1.64E-03	3.68E-01	9.19E-02	2.31E+00
603	491043.5	3860181.97	1.46E+00	1.32E-03	3.64E-01	8.96E-02	1.91E+00	1.92E+00	1.27E+02	3.64E+00	4.58E-01	1.33E+02	1.87E+00	1.61E-03	3.64E-01	8.96E-02	2.32E+00
604	491093.5	3860181.97	1.45E+00	1.29E-03	3.58E-01	8.66E-02	1.90E+00	1.92E+00	1.24E+02	3.58E+00	4.42E-01	1.30E+02	1.87E+00	1.57E-03	3.58E-01	8.66E-02	2.31E+00
605	490943.5	3860231.97	1.43E+00	1.43E-03	3.67E-01	8.39E-02	1.89E+00	1.90E+00	1.37E+02	3.67E+00	4.28E-01	1.43E+02	1.84E+00	1.73E-03	3.67E-01	8.39E-02	2.29E+00
606	490993.5	3860231.97	1.40E+00	1.39E-03	3.67E-01	8.44E-02	1.85E+00	1.84E+00	1.33E+02	3.67E+00	4.31E-01	1.39E+02	1.79E+00	1.68E-03	3.67E-01	8.44E-02	2.24E+00

607	491043.5	3860231.97	1.41E+00	1.36E-03	3.64E-01	8.24E-02	1.86E+00	1.86E+00	1.30E+02	3.64E+00	4.21E-01	1.36E+02	1.81E+00	1.64E-03	3.64E-01	8.24E-02	2.26E+00
608	491093.5	3860231.97	1.42E+00	1.33E-03	3.59E-01	8.05E-02	1.87E+00	1.88E+00	1.27E+02	3.59E+00	4.11E-01	1.33E+02	1.83E+00	1.61E-03	3.59E-01	8.05E-02	2.27E+00
609	490943.5	3860281.97	1.45E+00	1.50E-03	3.61E-01	7.63E-02	1.89E+00	1.91E+00	1.44E+02	3.61E+00	3.90E-01	1.50E+02	1.86E+00	1.82E-03	3.61E-01	7.63E-02	2.30E+00
610	490993.5	3860281.97	1.42E+00	1.45E-03	3.62E-01	7.30E-02	1.86E+00	1.88E+00	1.39E+02	3.62E+00	3.73E-01	1.45E+02	1.82E+00	1.76E-03	3.62E-01	7.30E-02	2.26E+00
611	491043.5	3860281.97	1.38E+00	1.40E-03	3.61E-01	6.87E-02	1.81E+00	1.82E+00	1.34E+02	3.61E+00	3.51E-01	1.40E+02	1.77E+00	1.70E-03	3.61E-01	6.87E-02	2.20E+00
612	491093.5	3860281.97	1.38E+00	1.36E-03	3.58E-01	6.80E-02	1.80E+00	1.82E+00	1.30E+02	3.58E+00	3.47E-01	1.36E+02	1.76E+00	1.65E-03	3.58E-01	6.80E-02	2.19E+00
613	490943.5	3860331.97	1.44E+00	1.56E-03	3.52E-01	8.03E-02	1.88E+00	1.91E+00	1.50E+02	3.52E+00	4.10E-01	1.55E+02	1.85E+00	1.89E-03	3.52E-01	8.03E-02	2.28E+00
614	490993.5	3860331.97	1.43E+00	1.51E-03	3.54E-01	7.66E-02	1.86E+00	1.89E+00	1.45E+02	3.54E+00	3.91E-01	1.51E+02	1.83E+00	1.83E-03	3.54E-01	7.66E-02	2.26E+00
615	491043.5	3860331.97	1.40E+00	1.46E-03	3.55E-01	7.30E-02	1.83E+00	1.85E+00	1.40E+02	3.55E+00	3.73E-01	1.46E+02	1.80E+00	1.77E-03	3.55E-01	7.30E-02	2.23E+00
616	491093.5	3860331.97	1.36E+00	1.41E-03	3.54E-01	6.94E-02	1.79E+00	1.80E+00	1.36E+02	3.54E+00	3.55E-01	1.41E+02	1.75E+00	1.71E-03	3.54E-01	6.94E-02	2.17E+00
617	490086.72	3859935.12	1.70E+00	1.99E-03	3.64E-01	1.53E-01	2.22E+00	2.24E+00	1.91E+02	3.64E+00	7.83E-01	1.98E+02	2.17E+00	2.42E-03	3.64E-01	1.53E-01	2.69E+00
618	490136.72	3859935.12	1.71E+00	1.94E-03	3.63E-01	1.48E-01	2.22E+00	2.26E+00	1.86E+02	3.63E+00	7.57E-01	1.92E+02	2.19E+00	2.34E-03	3.63E-01	1.48E-01	2.70E+00
619	490186.72	3859935.12	1.75E+00	1.87E-03	3.60E-01	1.43E-01	2.26E+00	2.32E+00	1.80E+02	3.60E+00	7.32E-01	1.86E+02	2.25E+00	2.27E-03	3.60E-01	1.43E-01	2.75E+00
620	490236.72	3859935.12	1.78E+00	1.81E-03	3.73E-01	1.38E-01	2.29E+00	2.35E+00	1.73E+02	3.73E+00	7.07E-01	1.80E+02	2.28E+00	2.19E-03	3.73E-01	1.38E-01	2.79E+00
621	490286.72	3859935.12	1.78E+00	1.74E-03	3.84E-01	1.34E-01	2.30E+00	2.35E+00	1.67E+02	3.84E+00	6.83E-01	1.74E+02	2.28E+00	2.11E-03	3.84E-01	1.34E-01	2.80E+00
622	490336.72	3859935.12	1.76E+00	1.67E-03	3.93E-01	1.29E-01	2.28E+00	2.32E+00	1.60E+02	3.93E+00	6.59E-01	1.67E+02	2.26E+00	2.02E-03	3.93E-01	1.29E-01	2.78E+00
623	490386.72	3859935.12	1.72E+00	1.60E-03	4.01E-01	1.25E-01	2.25E+00	2.28E+00	1.53E+02	4.01E+00	6.37E-01	1.60E+02	2.21E+00	1.94E-03	4.01E-01	1.25E-01	2.74E+00
624	490436.72	3859935.12	1.68E+00	1.55E-03	4.06E-01	1.20E-01	2.20E+00	2.21E+00	1.48E+02	4.06E+00	6.15E-01	1.55E+02	2.15E+00	1.87E-03	4.06E-01	1.20E-01	2.68E+00
625	490486.72	3859935.12	1.66E+00	1.51E-03	4.09E-01	1.16E-01	2.19E+00	2.20E+00	1.45E+02	4.09E+00	5.94E-01	1.52E+02	2.13E+00	1.83E-03	4.09E-01	1.16E-01	2.66E+00
626	490536.72	3859935.12	1.64E+00	1.47E-03	4.11E-01	1.12E-01	2.16E+00	2.16E+00	1.41E+02	4.11E+00	5.74E-01	1.48E+02	2.10E+00	1.78E-03	4.11E-01	1.12E-01	2.63E+00
627	490586.72	3859935.12	1.60E+00	1.43E-03	4.12E-01	1.09E-01	2.12E+00	2.12E+00	1.37E+02	4.12E+00	5.55E-01	1.44E+02	2.05E+00	1.73E-03	4.12E-01	1.09E-01	2.58E+00
628	490636.72	3859935.12	1.59E+00	1.38E-03	4.10E-01	1.05E-01	2.10E+00	2.09E+00	1.33E+02	4.10E+00	5.36E-01	1.40E+02	2.03E+00	1.68E-03	4.10E-01	1.05E-01	2.55E+00
629	490686.72	3859935.12	1.62E+00	1.37E-03	4.08E-01	1.02E-01	2.13E+00	2.14E+00	1.32E+02	4.08E+00	5.21E-01	1.38E+02	2.08E+00	1.66E-03	4.08E-01	1.02E-01	2.59E+00
630	490736.72	3859935.12	1.64E+00	1.33E-03	4.03E-01	9.88E-02	2.14E+00	2.17E+00	1.28E+02	4.03E+00	5.04E-01	1.34E+02	2.10E+00	1.61E-03	4.03E-01	9.88E-02	2.61E+00
631	490086.72	3859985.12	1.76E+00	2.04E-03	3.65E-01	1.60E-01	2.28E+00	2.32E+00	1.96E+02	3.65E+00	8.17E-01	2.03E+02	2.25E+00	2.47E-03	3.65E-01	1.60E-01	2.78E+00
632	490136.72	3859985.12	1.67E+00	1.99E-03	3.67E-01	1.56E-01	2.20E+00	2.21E+00	1.91E+02	3.67E+00	7.97E-01	1.98E+02	2.15E+00	2.41E-03	3.67E-01	1.56E-01	2.67E+00
633	490186.72	3859985.12	1.67E+00	1.94E-03	3.66E-01	1.52E-01	2.19E+00	2.20E+00	1.86E+02	3.66E+00	7.77E-01	1.92E+02	2.14E+00	2.35E-03	3.66E-01	1.52E-01	2.66E+00
634	490236.72	3859985.12	1.72E+00	1.88E-03	3.60E-01	1.48E-01	2.23E+00	2.27E+00	1.80E+02	3.60E+00	7.56E-01	1.87E+02	2.20E+00	2.28E-03	3.60E-01	1.48E-01	2.71E+00
635	490286.72	3859985.12	1.74E+00	1.82E-03	3.64E-01	1.44E-01	2.25E+00	2.30E+00	1.75E+02	3.64E+00	7.35E-01	1.81E+02	2.23E+00	2.21E-03	3.64E-01	1.44E-01	2.74E+00
636	490336.72	3859985.12	1.75E+00	1.76E-03	3.75E-01	1.40E-01	2.26E+00	2.31E+00	1.69E+02	3.75E+00	7.14E-01	1.75E+02	2.24E+00	2.13E-03	3.75E-01	1.40E-01	2.76E+00
637	490386.72	3859985.12	1.73E+00	1.69E-03	3.84E-01	1.36E-01	2.25E+00	2.29E+00	1.62E+02	3.84E+00	6.93E-01	1.69E+02	2.22E+00	2.05E-03	3.84E-01	1.36E-01	2.74E+00
638	490436.72	3859985.12	1.70E+00	1.62E-03	3.91E-01	1.32E-01	2.22E+00	2.24E+00	1.56E+02	3.91E+00	6.72E-01	1.63E+02	2.18E+00	1.97E-03	3.91E-01	1.32E-01	2.70E+00
639	490486.72	3859985.12	1.65E+00	1.56E-03	3.97E-01	1.28E-01	2.18E+00	2.18E+00	1.50E+02	3.97E+00	6.51E-01	1.57E+02	2.12E+00	1.89E-03	3.97E-01	1.28E-01	2.64E+00
640	490536.72	3859985.12	1.64E+00	1.51E-03	4.01E-01	1.24E-01	2.16E+00	2.16E+00	1.45E+02	4.01E+00	6.31E-01	1.52E+02	2.10E+00	1.83E-03	4.01E-01	1.24E-01	2.63E+00
641	490586.72	3859985.12	1.62E+00	1.48E-03	4.04E-01	1.20E-01	2.14E+00	2.14E+00	1.42E+02	4.04E+00	6.12E-01	1.48E+02	2.07E+00	1.79E-03	4.04E-01	1.20E-01	2.60E+00
642	490636.72	3859985.12	1.58E+00	1.44E-03	4.05E-01	1.16E-01	2.11E+00	2.09E+00	1.38E+02	4.05E+00	5.93E-01	1.45E+02	2.03E+00	1.74E-03	4.05E-01	1.16E-01	2.55E+00
643	490686.72	3859985.12	1.55E+00	1.42E-03	4.06E-01	1.13E-01	2.07E+00	2.05E+00	1.37E+02	4.06E+00	5.76E-01	1.43E+02	1.99E+00	1.73E-03	4.06E-01	1.13E-01	2.51E+00
644	490736.72	3859985.12	1.59E+00	1.39E-03	4.02E-01	1.09E-01	2.10E+00	2.09E+00	1.33E+02	4.02E+00	5.57E-01	1.40E+02	2.03E+00	1.68E-03	4.02E-01	1.09E-01	2.55E+00
645	490786.72	3859985.12	1.60E+00	1.35E-03	3.97E-01	1.05E-01	2.11E+00	2.12E+00	1.29E+02	3.97E+00	5.39E-01	1.36E+02	2.05E+00	1.63E-03	3.97E-01	1.05E-01	2.56E+00
646	490086.72	3860035.12	1.79E+00	2.09E-03	3.61E-01	1.53E-01	2.31E+00	2.37E+00	2.01E+02	3.61E+00	7.80E-01	2.08E+02	2.30E+00	2.54E-03	3.61E-01	1.53E-01	2.82E+00
647	490136.72	3860035.12	1.73E+00	2.04E-03	3.68E-01	1.51E-01	2.25E+00	2.29E+00	1.96E+02	3.68E+00	7.70E-01	2.02E+02	2.22E+00	2.47E-03	3.68E-01	1.51E-01	2.74E+00
648	490186.72	3860035.12	1.65E+00	1.98E-03	3.70E-01	1.49E-01	2.17E+00	2.18E+00	1.90E+02	3.70E+00	7.59E-01	1.97E+02	2.12E+00	2.40E-03	3.70E-01	1.49E-01	2.64E+00
649	490236.72	3860035.12	1.63E+00	1.93E-03	3.68E-01	1.46E-01	2.15E+00	2.15E+00	1.85E+02	3.68E+00	7.46E-01	1.92E+02	2.09E+00	2.34E-03	3.68E-01	1.46E-01	2.61E+00
650	490286.72	3860035.12	1.68E+00	1.88E-03	3.62E-01	1.43E-01	2.18E+00	2.21E+00	1.81E+02	3.62E+00	7.33E-01	1.87E+02	2.15E+00	2.28E-03	3.62E-01	1.43E-01	2.66E+00
651	490336.72	3860035.12	1.71E+00	1.83E-03	3.57E-01	1.41E-01	2.21E+00	2.25E+00	1.75E+02	3.57E+00	7.18E-01	1.82E+02	2.19E+00	2.22E-03	3.57E-01	1.41E-01	2.69E+00
652	490386.72	3860035.12	1.71E+00	1.77E-03	3.66E-01	1.38E-01	2.22E+00	2.26E+00	1.70E+02	3.66E+00	7.03E-01	1.77E+02	2.20E+00	2.15E-03	3.66E-01	1.38E-01	2.70E+00
653	490436.72	3860035.12	1.70E+00	1.71E-03	3.75E-01	1.34E-01	2.21E+00	2.25E+00	1.64E+02	3.75E+00	6.87E-01	1.71E+02	2.18E+00	2.07E-03	3.75E-01	1.34E-01	2.69E+00
654	490486.72	3860035.12	1.67E+00	1.65E-03	3.83E-01	1.31E-01	2.19E+00	2.21E+00	1.58E+02	3.83E+00	6.70E-01	1.65E+02	2.15E+00	2.00E-03	3.83E-01	1.31E-01	2.66E+00
655	490536.72	3860035.12	1.63E+00	1.58E-03	3.89E-01	1.28E-01	2.15E+00	2.16E+00	1.52E+02	3.89E+00	6.54E-01	1.59E+02	2.09E+00	1.92E-03	3.89E-01	1.28E-01	2.61E+00
656	490586.72	3860035.12	1.61E+00	1.53E-03	3.93E-01	1.25E-01	2.13E+00	2.13E+00	1.46E+02	3.93E+00	6.37E-01	1.53E+02	2.07E+00	1.85E-03	3.93E-01	1.25E-01	2.59E+00
657	490636.72	3860035.12	1.59E+00	1.48E-03	3.95E-01	1.21E-01	2.11E+00	2.10E+00	1.42E+02	3.95E+00	6.19E-01	1.49E+02	2.04E+00	1.79E-03	3.95E-01	1.21E-01	2.56E+00
658	490686.72	3860035.12	1.56E+00	1.45E-03	3.97E-01	1.18E-01	2.08E+00	2.06E+00	1.39E+02	3.97E+00	6.02E-01	1.45E+02	2.00E+00	1.75E-03	3.97E-01	1.18E-01	2.52E+00
659	490736.72	3860035.12	1.52E+00	1.41E-03	3.98E-01	1.15E-01	2.04E+00	2.01E+00	1.35E+02	3.98E+00	5.87E-01	1.42E+02	1.95E+00	1.71E-03	3.98E-01	1.15E-01	2.47E+00
660	490786.72	3860035.12	1.54E+00	1.37E-03	3.95E-01	1.12E-01	2.05E+00	2.04E+00	1.32E+02	3.95E+00	5.70E-01	1.38E+02	1.98E+00	1.66E-03	3.95E-01	1.12E-01	2.49E+00
661	490836.72	3860035.12	1.56E+00	1.34E-03	3.90E-01	1.08E-01	2.06E+00	2.06E+00	1.28E+02	3.90E+00	5.52E-01	1.35E+02	2.00E+00	1.62E-03	3.90E-01	1.08E-01	2.50E+00
662	490086.72	3860085.12	1.82E+00	2.16E-03	3.54E-01	1.37E-01	2.31E+00	2.40E+00	2.07E+02	3.54E+00	7.02E-01	2.14E+02	2.33E+00	2.62E-03	3.54E-01	1.37E-01	2.82E+00
663	490136.72	3860085.12	1.77E+00	2.08E-03	3.63E-01	1.37E-01	2.27E+00	2.33E+00	2.00E+02	3.63E+00	7.00E-01	2.06E+02	2.26E+00	2.52E-03	3.63E-01	1.37E-01	2.77E+00
664	490186.72	3860085.12	1.71E+00	2.03E-03	3.70E-01	1.37E-01	2.22E+00	2.26E+00	1.95E+02	3.70E+00	6.98E-01	2.02E+02	2.19E+00	2.46E-03	3.70E-01	1.37E-01	2.70E+00
665	490236.72	3860085.12	1.63E+00	1.98E-03	3.73E-01	1.36E-01	2.14E+00	2.16E+00	1.90E+02	3.73E+00	6.94E-01	1.97E+02	2.09E+00	2.40E-03	3.73E-01	1.36E-01	2.60E+00
666	490286.72	3860085.12	1.59E+00	1.93E-03	3.70E-01	1.35E-01	2.10E+00	2.10E+00	1.85E+02	3.70E+00	6.89E-01	1.91E+02	2.04E+00	2.33E-03	3.70E-01	1.35E-01	2.55E+00
667	490336.72	3860085.12	1.64E+00	1.88E-03	3.64E-01	1.33E-01	2.14E+00	2.16E+00	1.80E+02	3.64E+00	6.82E-01	1.87E+02	2.10E+00	2.28E-03	3.64E-01	1.33E-01	2.60E+00

668	490386.72	3860085.12	1.67E+00	1.83E-03	3.54E-01	1.32E-01	2.16E+00	2.20E+00	1.76E+02	3.54E+00	6.73E-01	1.82E+02	2.14E+00	2.22E-03	3.54E-01	1.32E-01	2.63E+00
669	490436.72	3860085.12	1.68E+00	1.78E-03	3.57E-01	1.30E-01	2.17E+00	2.22E+00	1.71E+02	3.57E+00	6.64E-01	1.77E+02	2.15E+00	2.16E-03	3.57E-01	1.30E-01	2.64E+00
670	490486.72	3860085.12	1.67E+00	1.73E-03	3.66E-01	1.28E-01	2.17E+00	2.21E+00	1.66E+02	3.66E+00	6.53E-01	1.72E+02	2.14E+00	2.09E-03	3.66E-01	1.28E-01	2.64E+00
671	490536.72	3860085.12	1.65E+00	1.67E-03	3.74E-01	1.26E-01	2.15E+00	2.18E+00	1.60E+02	3.74E+00	6.41E-01	1.66E+02	2.12E+00	2.02E-03	3.74E-01	1.26E-01	2.62E+00
672	490586.72	3860085.12	1.61E+00	1.61E-03	3.81E-01	1.23E-01	2.12E+00	2.13E+00	1.54E+02	3.81E+00	6.29E-01	1.61E+02	2.07E+00	1.95E-03	3.81E-01	1.23E-01	2.57E+00
673	490636.72	3860085.12	1.58E+00	1.55E-03	3.85E-01	1.20E-01	2.09E+00	2.09E+00	1.48E+02	3.85E+00	6.14E-01	1.55E+02	2.03E+00	1.87E-03	3.85E-01	1.20E-01	2.53E+00
674	490686.72	3860085.12	1.57E+00	1.49E-03	3.88E-01	1.18E-01	2.08E+00	2.07E+00	1.43E+02	3.88E+00	6.04E-01	1.50E+02	2.01E+00	1.81E-03	3.88E-01	1.18E-01	2.52E+00
675	490736.72	3860085.12	1.54E+00	1.45E-03	3.90E-01	1.16E-01	2.05E+00	2.04E+00	1.39E+02	3.90E+00	5.90E-01	1.45E+02	1.98E+00	1.75E-03	3.90E-01	1.16E-01	2.48E+00
676	490786.72	3860085.12	1.50E+00	1.42E-03	3.90E-01	1.13E-01	2.01E+00	1.99E+00	1.36E+02	3.90E+00	5.76E-01	1.42E+02	1.93E+00	1.72E-03	3.90E-01	1.13E-01	2.43E+00
677	490836.72	3860085.12	1.50E+00	1.38E-03	3.87E-01	1.10E-01	2.00E+00	1.98E+00	1.33E+02	3.87E+00	5.62E-01	1.39E+02	1.92E+00	1.68E-03	3.87E-01	1.10E-01	2.42E+00
678	490086.72	3860135.12	1.80E+00	2.13E-03	3.38E-01	1.40E-01	2.28E+00	2.37E+00	2.05E+02	3.38E+00	7.17E-01	2.11E+02	2.30E+00	2.59E-03	3.38E-01	1.40E-01	2.79E+00
679	490136.72	3860135.12	1.78E+00	2.10E-03	3.54E-01	1.34E-01	2.27E+00	2.35E+00	2.01E+02	3.54E+00	6.86E-01	2.08E+02	2.28E+00	2.54E-03	3.54E-01	1.34E-01	2.77E+00
680	490186.72	3860135.12	1.74E+00	2.06E-03	3.65E-01	1.28E-01	2.23E+00	2.30E+00	1.98E+02	3.65E+00	6.54E-01	2.04E+02	2.23E+00	2.50E-03	3.65E-01	1.28E-01	2.72E+00
681	490236.72	3860135.12	1.68E+00	2.02E-03	3.71E-01	1.21E-01	2.18E+00	2.22E+00	1.94E+02	3.71E+00	6.20E-01	2.00E+02	2.15E+00	2.45E-03	3.71E-01	1.21E-01	2.65E+00
682	490286.72	3860135.12	1.61E+00	1.98E-03	3.73E-01	1.20E-01	2.10E+00	2.13E+00	1.89E+02	3.73E+00	6.12E-01	1.96E+02	2.06E+00	2.39E-03	3.73E-01	1.20E-01	2.56E+00
683	490336.72	3860135.12	1.55E+00	1.93E-03	3.71E-01	1.20E-01	2.05E+00	2.05E+00	1.85E+02	3.71E+00	6.15E-01	1.91E+02	1.99E+00	2.33E-03	3.71E-01	1.20E-01	2.48E+00
684	490386.72	3860135.12	1.60E+00	1.87E-03	3.65E-01	1.21E-01	2.09E+00	2.11E+00	1.80E+02	3.65E+00	6.16E-01	1.86E+02	2.05E+00	2.27E-03	3.65E-01	1.21E-01	2.54E+00
685	490436.72	3860135.12	1.63E+00	1.83E-03	3.55E-01	1.20E-01	2.11E+00	2.15E+00	1.76E+02	3.55E+00	6.14E-01	1.82E+02	2.09E+00	2.22E-03	3.55E-01	1.20E-01	2.57E+00
686	490486.72	3860135.12	1.65E+00	1.78E-03	3.48E-01	1.19E-01	2.11E+00	2.17E+00	1.71E+02	3.48E+00	6.08E-01	1.77E+02	2.11E+00	2.16E-03	3.48E-01	1.19E-01	2.58E+00
687	490536.72	3860135.12	1.65E+00	1.73E-03	3.58E-01	1.18E-01	2.12E+00	2.17E+00	1.66E+02	3.58E+00	6.02E-01	1.73E+02	2.11E+00	2.10E-03	3.58E-01	1.18E-01	2.59E+00
688	490586.72	3860135.12	1.63E+00	1.68E-03	3.66E-01	1.16E-01	2.11E+00	2.15E+00	1.61E+02	3.66E+00	5.94E-01	1.68E+02	2.09E+00	2.04E-03	3.66E-01	1.16E-01	2.57E+00
689	490636.72	3860135.12	1.59E+00	1.63E-03	3.72E-01	1.14E-01	2.08E+00	2.10E+00	1.56E+02	3.72E+00	5.84E-01	1.62E+02	2.04E+00	1.97E-03	3.72E-01	1.14E-01	2.53E+00
690	490686.72	3860135.12	1.55E+00	1.57E-03	3.77E-01	1.12E-01	2.04E+00	2.05E+00	1.50E+02	3.77E+00	5.73E-01	1.57E+02	1.99E+00	1.90E-03	3.77E-01	1.12E-01	2.48E+00
691	490736.72	3860135.12	1.54E+00	1.51E-03	3.80E-01	1.11E-01	2.03E+00	2.04E+00	1.45E+02	3.80E+00	5.64E-01	1.51E+02	1.98E+00	1.83E-03	3.80E-01	1.11E-01	2.47E+00
692	490786.72	3860135.12	1.52E+00	1.46E-03	3.82E-01	1.10E-01	2.01E+00	2.01E+00	1.40E+02	3.82E+00	5.61E-01	1.46E+02	1.95E+00	1.77E-03	3.82E-01	1.10E-01	2.44E+00
693	490836.72	3860135.12	1.48E+00	1.42E-03	3.82E-01	1.07E-01	1.97E+00	1.96E+00	1.36E+02	3.82E+00	5.49E-01	1.42E+02	1.90E+00	1.72E-03	3.82E-01	1.07E-01	2.39E+00
694	490086.72	3860185.12	1.76E+00	2.19E-03	3.52E-01	1.42E-01	2.26E+00	2.33E+00	2.10E+02	3.52E+00	7.26E-01	2.16E+02	2.26E+00	2.65E-03	3.52E-01	1.42E-01	2.76E+00
695	490136.72	3860185.12	1.77E+00	2.13E-03	3.41E-01	1.39E-01	2.25E+00	2.33E+00	2.04E+02	3.41E+00	7.12E-01	2.11E+02	2.27E+00	2.58E-03	3.41E-01	1.39E-01	2.75E+00
696	490186.72	3860185.12	1.75E+00	2.06E-03	3.56E-01	1.36E-01	2.24E+00	2.31E+00	1.98E+02	3.56E+00	6.95E-01	2.05E+02	2.24E+00	2.50E-03	3.56E-01	1.36E-01	2.74E+00
697	490236.72	3860185.12	1.71E+00	2.04E-03	3.66E-01	1.32E-01	2.21E+00	2.26E+00	1.95E+02	3.66E+00	6.73E-01	2.02E+02	2.19E+00	2.47E-03	3.66E-01	1.32E-01	2.69E+00
698	490286.72	3860185.12	1.66E+00	2.00E-03	3.72E-01	1.27E-01	2.16E+00	2.19E+00	1.92E+02	3.72E+00	6.50E-01	1.99E+02	2.12E+00	2.43E-03	3.72E-01	1.27E-01	2.62E+00
699	490336.72	3860185.12	1.59E+00	1.96E-03	3.74E-01	1.22E-01	2.08E+00	2.10E+00	1.88E+02	3.74E+00	6.24E-01	1.95E+02	2.03E+00	2.38E-03	3.74E-01	1.22E-01	2.53E+00
700	490386.72	3860185.12	1.51E+00	1.92E-03	3.71E-01	1.17E-01	2.00E+00	2.00E+00	1.84E+02	3.71E+00	5.98E-01	1.91E+02	1.94E+00	2.33E-03	3.71E-01	1.17E-01	2.43E+00
701	490436.72	3860185.12	1.56E+00	1.87E-03	3.65E-01	1.11E-01	2.04E+00	2.06E+00	1.80E+02	3.65E+00	5.69E-01	1.86E+02	2.00E+00	2.27E-03	3.65E-01	1.11E-01	2.48E+00
702	490486.72	3860185.12	1.60E+00	1.82E-03	3.56E-01	1.05E-01	2.06E+00	2.11E+00	1.75E+02	3.56E+00	5.35E-01	1.81E+02	2.05E+00	2.21E-03	3.56E-01	1.05E-01	2.51E+00
703	490536.72	3860185.12	1.61E+00	1.78E-03	3.44E-01	1.02E-01	2.06E+00	2.13E+00	1.71E+02	3.44E+00	5.23E-01	1.77E+02	2.07E+00	2.16E-03	3.44E-01	1.02E-01	2.52E+00
704	490586.72	3860185.12	1.62E+00	1.74E-03	3.50E-01	1.03E-01	2.07E+00	2.14E+00	1.67E+02	3.50E+00	5.26E-01	1.73E+02	2.07E+00	2.11E-03	3.50E-01	1.03E-01	2.53E+00
705	490636.72	3860185.12	1.60E+00	1.69E-03	3.58E-01	1.02E-01	2.06E+00	2.11E+00	1.62E+02	3.58E+00	5.23E-01	1.68E+02	2.05E+00	2.05E-03	3.58E-01	1.02E-01	2.51E+00
706	490686.72	3860185.12	1.57E+00	1.64E-03	3.65E-01	1.02E-01	2.04E+00	2.07E+00	1.57E+02	3.65E+00	5.22E-01	1.64E+02	2.01E+00	1.99E-03	3.65E-01	1.02E-01	2.48E+00
707	490736.72	3860185.12	1.53E+00	1.59E-03	3.69E-01	1.01E-01	2.00E+00	2.02E+00	1.52E+02	3.69E+00	5.14E-01	1.58E+02	1.96E+00	1.92E-03	3.69E-01	1.01E-01	2.43E+00
708	490786.72	3860185.12	1.52E+00	1.53E-03	3.73E-01	1.00E-01	1.99E+00	2.00E+00	1.47E+02	3.73E+00	5.12E-01	1.53E+02	1.95E+00	1.85E-03	3.73E-01	1.00E-01	2.42E+00
709	490836.72	3860185.12	1.50E+00	1.47E-03	3.74E-01	9.94E-02	1.97E+00	1.98E+00	1.41E+02	3.74E+00	5.08E-01	1.48E+02	1.92E+00	1.79E-03	3.74E-01	9.94E-02	2.39E+00
710	490086.72	3860235.12	1.72E+00	2.21E-03	3.74E-01	1.54E-01	2.25E+00	2.27E+00	2.12E+02	3.74E+00	7.86E-01	2.18E+02	2.20E+00	2.67E-03	3.74E-01	1.54E-01	2.73E+00
711	490136.72	3860235.12	1.74E+00	2.17E-03	3.50E-01	1.48E-01	2.24E+00	2.29E+00	2.08E+02	3.50E+00	7.57E-01	2.14E+02	2.22E+00	2.62E-03	3.50E-01	1.48E-01	2.73E+00
712	490186.72	3860235.12	1.74E+00	2.12E-03	3.43E-01	1.42E-01	2.22E+00	2.29E+00	2.03E+02	3.43E+00	7.25E-01	2.09E+02	2.23E+00	2.56E-03	3.43E-01	1.42E-01	2.71E+00
713	490236.72	3860235.12	1.72E+00	2.06E-03	3.56E-01	1.35E-01	2.21E+00	2.27E+00	1.98E+02	3.56E+00	6.92E-01	2.04E+02	2.20E+00	2.49E-03	3.56E-01	1.35E-01	2.70E+00
714	490286.72	3860235.12	1.68E+00	2.01E-03	3.66E-01	1.29E-01	2.18E+00	2.22E+00	1.93E+02	3.66E+00	6.58E-01	1.99E+02	2.16E+00	2.43E-03	3.66E-01	1.29E-01	2.65E+00
715	490336.72	3860235.12	1.63E+00	1.98E-03	3.72E-01	1.25E-01	2.13E+00	2.15E+00	1.90E+02	3.72E+00	6.38E-01	1.97E+02	2.09E+00	2.40E-03	3.72E-01	1.25E-01	2.59E+00
716	490386.72	3860235.12	1.57E+00	1.95E-03	3.74E-01	1.22E-01	2.06E+00	2.07E+00	1.87E+02	3.74E+00	6.23E-01	1.93E+02	2.01E+00	2.36E-03	3.74E-01	1.22E-01	2.50E+00
717	490436.72	3860235.12	1.49E+00	1.91E-03	3.71E-01	1.18E-01	1.98E+00	1.97E+00	1.83E+02	3.71E+00	6.02E-01	1.90E+02	1.91E+00	2.32E-03	3.71E-01	1.18E-01	2.40E+00
718	490486.72	3860235.12	1.53E+00	1.87E-03	3.65E-01	1.13E-01	2.01E+00	2.02E+00	1.79E+02	3.65E+00	5.76E-01	1.85E+02	1.96E+00	2.26E-03	3.65E-01	1.13E-01	2.44E+00
719	490536.72	3860235.12	1.56E+00	1.82E-03	3.56E-01	1.08E-01	2.03E+00	2.06E+00	1.75E+02	3.56E+00	5.51E-01	1.81E+02	2.00E+00	2.21E-03	3.56E-01	1.08E-01	2.47E+00
720	490586.72	3860235.12	1.58E+00	1.78E-03	3.45E-01	1.03E-01	2.03E+00	2.09E+00	1.70E+02	3.45E+00	5.27E-01	1.76E+02	2.03E+00	2.15E-03	3.45E-01	1.03E-01	2.48E+00
721	490636.72	3860235.12	1.59E+00	1.74E-03	3.42E-01	9.83E-02	2.03E+00	2.10E+00	1.67E+02	3.42E+00	5.02E-01	1.73E+02	2.04E+00	2.10E-03	3.42E-01	9.83E-02	2.48E+00
722	490686.72	3860235.12	1.58E+00	1.69E-03	3.50E-01	9.34E-02	2.02E+00	2.08E+00	1.63E+02	3.50E+00	4.77E-01	1.69E+02	2.02E+00	2.05E-03	3.50E-01	9.34E-02	2.47E+00
723	490736.72	3860235.12	1.55E+00	1.65E-03	3.57E-01	8.84E-02	2.00E+00	2.05E+00	1.58E+02	3.57E+00	4.51E-01	1.64E+02	1.99E+00	2.00E-03	3.57E-01	8.84E-02	2.43E+00
724	490786.72	3860235.12	1.51E+00	1.60E-03	3.62E-01	8.42E-02	1.95E+00	1.99E+00	1.53E+02	3.62E+00	4.30E-01	1.59E+02	1.93E+00	1.94E-03	3.62E-01	8.42E-02	2.38E+00
725	490086.72	3860285.12	1.67E+00	2.20E-03	3.90E-01	1.51E-01	2.21E+00	2.21E+00	2.11E+02	3.90E+00	7.72E-01	2.18E+02	2.14E+00	2.66E-03	3.90E-01	1.51E-01	2.69E+00
726	490136.72	3860285.12	1.69E+00	2.17E-03	3.71E-01	1.50E-01	2.21E+00	2.23E+00	2.08E+02	3.71E+00	7.64E-01	2.15E+02	2.16E+00	2.63E-03	3.71E-01	1.50E-01	2.68E+00
727	490186.72	3860285.12	1.70E+00	2.14E-03	3.45E-01	1.47E-01	2.20E+00	2.25E+00	2.05E+02	3.45E+00	7.49E-01	2.12E+02	2.19E+00	2.59E-03	3.45E-01	1.47E-01	2.68E+00
728	490236.72	3860285.12	1.71E+00	2.10E-03	3.44E-01	1.43E-01	2.20E+00	2.26E+00	2.01E+02	3.44E+00	7.30E-01	2.08E+02	2.19E+00	2.54E-03	3.44E-01	1.43E-01	2.68E+00

729	490286.72	3860285.12	1.69E+00	2.05E-03	3.57E-01	1.38E-01	2.19E+00	2.23E+00	1.97E+02	3.57E+00	7.06E-01	2.03E+02	2.17E+00	2.48E-03	3.57E-01	1.38E-01	2.66E+00
730	490336.72	3860285.12	1.66E+00	1.99E-03	3.66E-01	1.33E-01	2.16E+00	2.19E+00	1.91E+02	3.66E+00	6.80E-01	1.98E+02	2.12E+00	2.42E-03	3.66E-01	1.33E-01	2.62E+00
731	490386.72	3860285.12	1.61E+00	1.95E-03	3.72E-01	1.27E-01	2.11E+00	2.12E+00	1.87E+02	3.72E+00	6.51E-01	1.94E+02	2.06E+00	2.37E-03	3.72E-01	1.27E-01	2.56E+00
732	490436.72	3860285.12	1.54E+00	1.93E-03	3.73E-01	1.21E-01	2.04E+00	2.04E+00	1.85E+02	3.73E+00	6.16E-01	1.91E+02	1.98E+00	2.34E-03	3.73E-01	1.21E-01	2.48E+00
733	490486.72	3860285.12	1.47E+00	1.90E-03	3.71E-01	1.14E-01	1.96E+00	1.94E+00	1.82E+02	3.71E+00	5.82E-01	1.88E+02	1.89E+00	2.30E-03	3.71E-01	1.14E-01	2.37E+00
734	490536.72	3860285.12	1.49E+00	1.86E-03	3.65E-01	1.08E-01	1.97E+00	1.97E+00	1.78E+02	3.65E+00	5.53E-01	1.85E+02	1.91E+00	2.25E-03	3.65E-01	1.08E-01	2.39E+00
735	490586.72	3860285.12	1.53E+00	1.82E-03	3.56E-01	1.05E-01	1.99E+00	2.02E+00	1.74E+02	3.56E+00	5.35E-01	1.80E+02	1.96E+00	2.20E-03	3.56E-01	1.05E-01	2.42E+00
736	490636.72	3860285.12	1.55E+00	1.77E-03	3.45E-01	1.01E-01	2.00E+00	2.05E+00	1.70E+02	3.45E+00	5.18E-01	1.76E+02	1.99E+00	2.15E-03	3.45E-01	1.01E-01	2.44E+00
737	490686.72	3860285.12	1.56E+00	1.73E-03	3.35E-01	9.80E-02	1.99E+00	2.06E+00	1.66E+02	3.35E+00	5.00E-01	1.72E+02	2.00E+00	2.10E-03	3.35E-01	9.80E-02	2.43E+00
738	490736.72	3860285.12	1.55E+00	1.69E-03	3.43E-01	9.40E-02	1.99E+00	2.05E+00	1.62E+02	3.43E+00	4.80E-01	1.68E+02	1.99E+00	2.05E-03	3.43E-01	9.40E-02	2.43E+00
739	490786.72	3860285.12	1.53E+00	1.65E-03	3.49E-01	9.02E-02	1.97E+00	2.02E+00	1.58E+02	3.49E+00	4.61E-01	1.64E+02	1.96E+00	2.00E-03	3.49E-01	9.02E-02	2.40E+00
740	490086.72	3860335.12	1.63E+00	2.16E-03	3.99E-01	1.36E-01	2.17E+00	2.16E+00	2.07E+02	3.99E+00	6.95E-01	2.14E+02	2.09E+00	2.62E-03	3.99E-01	1.36E-01	2.63E+00
741	490136.72	3860335.12	1.64E+00	2.15E-03	3.87E-01	1.38E-01	2.17E+00	2.17E+00	2.07E+02	3.87E+00	7.05E-01	2.13E+02	2.11E+00	2.61E-03	3.87E-01	1.38E-01	2.64E+00
742	490186.72	3860335.12	1.65E+00	2.14E-03	3.67E-01	1.39E-01	2.16E+00	2.19E+00	2.05E+02	3.67E+00	7.10E-01	2.12E+02	2.12E+00	2.59E-03	3.67E-01	1.39E-01	2.63E+00
743	490236.72	3860335.12	1.68E+00	2.11E-03	3.42E-01	1.39E-01	2.16E+00	2.21E+00	2.03E+02	3.42E+00	7.08E-01	2.09E+02	2.15E+00	2.56E-03	3.42E-01	1.39E-01	2.63E+00
744	490286.72	3860335.12	1.68E+00	2.08E-03	3.44E-01	1.37E-01	2.16E+00	2.22E+00	1.99E+02	3.44E+00	7.01E-01	2.06E+02	2.15E+00	2.52E-03	3.44E-01	1.37E-01	2.63E+00
745	490336.72	3860335.12	1.66E+00	2.04E-03	3.57E-01	1.35E-01	2.15E+00	2.19E+00	1.95E+02	3.57E+00	6.87E-01	2.02E+02	2.13E+00	2.47E-03	3.57E-01	1.35E-01	2.62E+00
746	490386.72	3860335.12	1.63E+00	1.99E-03	3.66E-01	1.30E-01	2.13E+00	2.15E+00	1.91E+02	3.66E+00	6.67E-01	1.97E+02	2.09E+00	2.41E-03	3.66E-01	1.30E-01	2.59E+00
747	490436.72	3860335.12	1.58E+00	1.93E-03	3.71E-01	1.26E-01	2.08E+00	2.09E+00	1.85E+02	3.71E+00	6.43E-01	1.92E+02	2.03E+00	2.34E-03	3.71E-01	1.26E-01	2.53E+00
748	490486.72	3860335.12	1.52E+00	1.90E-03	3.72E-01	1.20E-01	2.02E+00	2.01E+00	1.82E+02	3.72E+00	6.15E-01	1.89E+02	1.95E+00	2.31E-03	3.72E-01	1.20E-01	2.45E+00
749	490536.72	3860335.12	1.45E+00	1.88E-03	3.70E-01	1.15E-01	1.94E+00	1.92E+00	1.80E+02	3.70E+00	5.90E-01	1.86E+02	1.86E+00	2.27E-03	3.70E-01	1.15E-01	2.35E+00
750	490586.72	3860335.12	1.46E+00	1.85E-03	3.65E-01	1.09E-01	1.93E+00	1.92E+00	1.77E+02	3.65E+00	5.59E-01	1.83E+02	1.87E+00	2.24E-03	3.65E-01	1.09E-01	2.34E+00
751	490636.72	3860335.12	1.50E+00	1.81E-03	3.56E-01	1.04E-01	1.96E+00	1.98E+00	1.74E+02	3.56E+00	5.32E-01	1.80E+02	1.92E+00	2.19E-03	3.56E-01	1.04E-01	2.38E+00
752	490686.72	3860335.12	1.52E+00	1.77E-03	3.45E-01	9.89E-02	1.97E+00	2.01E+00	1.70E+02	3.45E+00	5.05E-01	1.76E+02	1.95E+00	2.14E-03	3.45E-01	9.89E-02	2.40E+00
753	490736.72	3860335.12	1.53E+00	1.73E-03	3.34E-01	9.39E-02	1.96E+00	2.02E+00	1.65E+02	3.34E+00	4.80E-01	1.71E+02	1.96E+00	2.09E-03	3.34E-01	9.39E-02	2.39E+00
754	490786.72	3860335.12	1.53E+00	1.69E-03	3.36E-01	9.17E-02	1.96E+00	2.02E+00	1.62E+02	3.36E+00	4.69E-01	1.68E+02	1.96E+00	2.05E-03	3.36E-01	9.17E-02	2.39E+00
755	490086.72	3860385.12	1.61E+00	2.10E-03	4.02E-01	1.15E-01	2.13E+00	2.13E+00	2.02E+02	4.02E+00	5.89E-01	2.08E+02	2.06E+00	2.55E-03	4.02E-01	1.15E-01	2.58E+00
756	490136.72	3860385.12	1.61E+00	2.11E-03	3.97E-01	1.20E-01	2.13E+00	2.12E+00	2.02E+02	3.97E+00	6.12E-01	2.09E+02	2.06E+00	2.55E-03	3.97E-01	1.20E-01	2.58E+00
757	490186.72	3860385.12	1.62E+00	2.11E-03	3.83E-01	1.23E-01	2.12E+00	2.13E+00	2.02E+02	3.83E+00	6.29E-01	2.09E+02	2.07E+00	2.55E-03	3.83E-01	1.23E-01	2.58E+00
758	490236.72	3860385.12	1.63E+00	2.10E-03	3.63E-01	1.26E-01	2.12E+00	2.15E+00	2.01E+02	3.63E+00	6.42E-01	2.08E+02	2.08E+00	2.54E-03	3.63E-01	1.26E-01	2.57E+00
759	490286.72	3860385.12	1.65E+00	2.08E-03	3.36E-01	1.27E-01	2.11E+00	2.17E+00	1.99E+02	3.36E+00	6.46E-01	2.06E+02	2.11E+00	2.52E-03	3.36E-01	1.27E-01	2.57E+00
760	490336.72	3860385.12	1.65E+00	2.05E-03	3.44E-01	1.26E-01	2.12E+00	2.18E+00	1.97E+02	3.44E+00	6.45E-01	2.03E+02	2.11E+00	2.49E-03	3.44E-01	1.26E-01	2.59E+00
761	490386.72	3860385.12	1.63E+00	2.02E-03	3.56E-01	1.25E-01	2.12E+00	2.16E+00	1.94E+02	3.56E+00	6.38E-01	2.00E+02	2.09E+00	2.45E-03	3.56E-01	1.25E-01	2.58E+00
762	490436.72	3860385.12	1.60E+00	1.98E-03	3.65E-01	1.23E-01	2.09E+00	2.12E+00	1.90E+02	3.65E+00	6.27E-01	1.96E+02	2.06E+00	2.39E-03	3.65E-01	1.23E-01	2.55E+00
763	490486.72	3860385.12	1.56E+00	1.93E-03	3.70E-01	1.20E-01	2.05E+00	2.06E+00	1.85E+02	3.70E+00	6.14E-01	1.91E+02	2.00E+00	2.34E-03	3.70E-01	1.20E-01	2.49E+00
764	490536.72	3860385.12	1.50E+00	1.87E-03	3.71E-01	1.17E-01	1.99E+00	1.99E+00	1.80E+02	3.71E+00	5.97E-01	1.86E+02	1.93E+00	2.27E-03	3.71E-01	1.17E-01	2.42E+00
765	490586.72	3860385.12	1.44E+00	1.85E-03	3.69E-01	1.13E-01	1.92E+00	1.90E+00	1.78E+02	3.69E+00	5.77E-01	1.84E+02	1.84E+00	2.25E-03	3.69E-01	1.13E-01	2.33E+00
766	490636.72	3860385.12	1.42E+00	1.83E-03	3.64E-01	1.08E-01	1.90E+00	1.88E+00	1.75E+02	3.64E+00	5.54E-01	1.81E+02	1.83E+00	2.21E-03	3.64E-01	1.08E-01	2.30E+00
767	490686.72	3860385.12	1.47E+00	1.80E-03	3.56E-01	1.04E-01	1.93E+00	1.94E+00	1.72E+02	3.56E+00	5.32E-01	1.78E+02	1.88E+00	2.18E-03	3.56E-01	1.04E-01	2.34E+00
768	490736.72	3860385.12	1.49E+00	1.76E-03	3.45E-01	9.94E-02	1.94E+00	1.97E+00	1.69E+02	3.45E+00	5.08E-01	1.75E+02	1.91E+00	2.14E-03	3.45E-01	9.94E-02	2.36E+00
769	490786.72	3860385.12	1.51E+00	1.72E-03	3.34E-01	9.50E-02	1.94E+00	1.99E+00	1.65E+02	3.34E+00	4.85E-01	1.71E+02	1.93E+00	2.09E-03	3.34E-01	9.50E-02	2.36E+00
770	490136.72	3860435.12	1.58E+00	2.04E-03	4.00E-01	1.00E-01	2.09E+00	2.09E+00	1.96E+02	4.00E+00	5.12E-01	2.03E+02	2.03E+00	2.48E-03	4.00E-01	1.00E-01	2.53E+00
771	490186.72	3860435.12	1.58E+00	2.06E-03	3.93E-01	1.05E-01	2.08E+00	2.09E+00	1.97E+02	3.93E+00	5.34E-01	2.04E+02	2.03E+00	2.49E-03	3.93E-01	1.05E-01	2.53E+00
772	490236.72	3860435.12	1.59E+00	2.06E-03	3.79E-01	1.08E-01	2.08E+00	2.10E+00	1.97E+02	3.79E+00	5.52E-01	2.04E+02	2.04E+00	2.49E-03	3.79E-01	1.08E-01	2.53E+00
773	490286.72	3860435.12	1.60E+00	2.06E-03	3.58E-01	1.11E-01	2.07E+00	2.11E+00	1.97E+02	3.58E+00	5.65E-01	2.03E+02	2.05E+00	2.49E-03	3.58E-01	1.11E-01	2.52E+00
774	490336.72	3860435.12	1.61E+00	2.04E-03	3.31E-01	1.12E-01	2.06E+00	2.13E+00	1.96E+02	3.31E+00	5.72E-01	2.02E+02	2.07E+00	2.48E-03	3.31E-01	1.12E-01	2.52E+00
775	490386.72	3860435.12	1.62E+00	2.02E-03	3.44E-01	1.13E-01	2.08E+00	2.14E+00	1.94E+02	3.44E+00	5.78E-01	2.00E+02	2.08E+00	2.45E-03	3.44E-01	1.13E-01	2.54E+00
776	490436.72	3860435.12	1.61E+00	2.00E-03	3.55E-01	1.13E-01	2.08E+00	2.12E+00	1.91E+02	3.55E+00	5.78E-01	1.98E+02	2.06E+00	2.42E-03	3.55E-01	1.13E-01	2.53E+00
777	490486.72	3860435.12	1.58E+00	1.96E-03	3.64E-01	1.13E-01	2.06E+00	2.09E+00	1.88E+02	3.64E+00	5.75E-01	1.94E+02	2.03E+00	2.37E-03	3.64E-01	1.13E-01	2.50E+00
778	490536.72	3860435.12	1.54E+00	1.92E-03	3.69E-01	1.11E-01	2.02E+00	2.03E+00	1.84E+02	3.69E+00	5.69E-01	1.90E+02	1.97E+00	2.32E-03	3.69E-01	1.11E-01	2.45E+00
779	490586.72	3860435.12	1.48E+00	1.87E-03	3.70E-01	1.09E-01	1.97E+00	1.96E+00	1.79E+02	3.70E+00	5.59E-01	1.86E+02	1.90E+00	2.26E-03	3.70E-01	1.09E-01	2.38E+00
780	490636.72	3860435.12	1.42E+00	1.83E-03	3.68E-01	1.07E-01	1.90E+00	1.87E+00	1.75E+02	3.68E+00	5.45E-01	1.81E+02	1.82E+00	2.21E-03	3.68E-01	1.07E-01	2.30E+00
781	490686.72	3860435.12	1.39E+00	1.81E-03	3.63E-01	1.04E-01	1.86E+00	1.84E+00	1.73E+02	3.63E+00	5.31E-01	1.79E+02	1.78E+00	2.19E-03	3.63E-01	1.04E-01	2.25E+00
782	490736.72	3860435.12	1.44E+00	1.78E-03	3.55E-01	1.01E-01	1.89E+00	1.90E+00	1.71E+02	3.55E+00	5.17E-01	1.77E+02	1.84E+00	2.16E-03	3.55E-01	1.01E-01	2.30E+00
783	490786.72	3860435.12	1.46E+00	1.75E-03	3.44E-01	9.75E-02	1.91E+00	1.93E+00	1.68E+02	3.44E+00	4.98E-01	1.74E+02	1.88E+00	2.12E-03	3.44E-01	9.75E-02	2.32E+00
784	490136.72	3860485.12	1.57E+00	1.97E-03	3.99E-01	1.01E-01	2.08E+00	2.08E+00	1.89E+02	3.99E+00	5.15E-01	1.96E+02	2.02E+00	2.39E-03	3.99E-01	1.01E-01	2.52E+00
785	490186.72	3860485.12	1.56E+00	1.99E-03	3.98E-01	1.00E-01	2.06E+00	2.06E+00	1.91E+02	3.98E+00	5.11E-01	1.97E+02	2.00E+00	2.41E-03	3.98E-01	1.00E-01	2.50E+00
786	490236.72	3860485.12	1.55E+00	2.00E-03	3.89E-01	9.93E-02	2.04E+00	2.05E+00	1.92E+02	3.89E+00	5.07E-01	1.99E+02	1.99E+00	2.43E-03	3.89E-01	9.93E-02	2.48E+00
787	490286.72	3860485.12	1.56E+00	2.01E-03	3.74E-01	9.84E-02	2.04E+00	2.06E+00	1.93E+02	3.74E+00	5.03E-01	1.99E+02	2.00E+00	2.44E-03	3.74E-01	9.84E-02	2.48E+00
788	490336.72	3860485.12	1.57E+00	2.01E-03	3.52E-01	9.74E-02	2.02E+00	2.07E+00	1.93E+02	3.52E+00	4.98E-01	1.99E+02	2.01E+00	2.44E-03	3.52E-01	9.74E-02	2.46E+00
789	490386.72	3860485.12	1.59E+00	2.00E-03	3.29E-01	9.95E-02	2.02E+00	2.10E+00	1.92E+02	3.29E+00	5.08E-01	1.98E+02	2.04E+00	2.43E-03	3.29E-01	9.95E-02	2.47E+00

790	490436.72	3860485.12	1.59E+00	1.99E-03	3.44E-01	1.02E-01	2.04E+00	2.11E+00	1.91E+02	3.44E+00	5.19E-01	1.97E+02	2.04E+00	2.41E-03	3.44E-01	1.02E-01	2.49E+00
791	490486.72	3860485.12	1.58E+00	1.97E-03	3.55E-01	1.02E-01	2.04E+00	2.09E+00	1.89E+02	3.55E+00	5.21E-01	1.95E+02	2.03E+00	2.39E-03	3.55E-01	1.02E-01	2.49E+00
792	490536.72	3860485.12	1.56E+00	1.94E-03	3.62E-01	1.02E-01	2.02E+00	2.05E+00	1.86E+02	3.62E+00	5.20E-01	1.92E+02	1.99E+00	2.35E-03	3.62E-01	1.02E-01	2.46E+00
793	490586.72	3860485.12	1.52E+00	1.90E-03	3.67E-01	1.01E-01	1.99E+00	2.00E+00	1.83E+02	3.67E+00	5.17E-01	1.89E+02	1.94E+00	2.31E-03	3.67E-01	1.01E-01	2.41E+00
794	490636.72	3860485.12	1.46E+00	1.86E-03	3.68E-01	1.01E-01	1.94E+00	1.93E+00	1.79E+02	3.68E+00	5.14E-01	1.85E+02	1.88E+00	2.26E-03	3.68E-01	1.01E-01	2.35E+00
795	490686.72	3860485.12	1.40E+00	1.81E-03	3.66E-01	9.89E-02	1.87E+00	1.85E+00	1.74E+02	3.66E+00	5.05E-01	1.80E+02	1.80E+00	2.20E-03	3.66E-01	9.89E-02	2.26E+00
796	490736.72	3860485.12	1.36E+00	1.78E-03	3.61E-01	9.74E-02	1.82E+00	1.80E+00	1.71E+02	3.61E+00	4.98E-01	1.77E+02	1.74E+00	2.16E-03	3.61E-01	9.74E-02	2.20E+00
797	490786.72	3860485.12	1.40E+00	1.76E-03	3.53E-01	9.54E-02	1.85E+00	1.85E+00	1.69E+02	3.53E+00	4.87E-01	1.75E+02	1.80E+00	2.13E-03	3.53E-01	9.54E-02	2.25E+00
798	490136.72	3860535.12	1.59E+00	1.90E-03	3.92E-01	1.02E-01	2.09E+00	2.10E+00	1.82E+02	3.92E+00	5.23E-01	1.89E+02	2.04E+00	2.30E-03	3.92E-01	1.02E-01	2.54E+00
799	490186.72	3860535.12	1.55E+00	1.92E-03	4.01E-01	1.02E-01	2.06E+00	2.05E+00	1.84E+02	4.01E+00	5.21E-01	1.91E+02	1.99E+00	2.32E-03	4.01E-01	1.02E-01	2.50E+00
800	490236.72	3860535.12	1.53E+00	1.94E-03	3.95E-01	1.01E-01	2.03E+00	2.03E+00	1.86E+02	3.95E+00	5.16E-01	1.92E+02	1.97E+00	2.35E-03	3.95E-01	1.01E-01	2.46E+00
801	490286.72	3860535.12	1.53E+00	1.95E-03	3.85E-01	1.00E-01	2.01E+00	2.02E+00	1.87E+02	3.85E+00	5.11E-01	1.93E+02	1.96E+00	2.36E-03	3.85E-01	1.00E-01	2.44E+00
802	490336.72	3860535.12	1.54E+00	1.96E-03	3.69E-01	9.92E-02	2.01E+00	2.03E+00	1.88E+02	3.69E+00	5.07E-01	1.94E+02	1.97E+00	2.38E-03	3.69E-01	9.92E-02	2.44E+00
803	490386.72	3860535.12	1.54E+00	1.97E-03	3.49E-01	9.83E-02	1.99E+00	2.04E+00	1.89E+02	3.49E+00	5.02E-01	1.95E+02	1.98E+00	2.38E-03	3.49E-01	9.83E-02	2.43E+00
804	490436.72	3860535.12	1.56E+00	1.97E-03	3.29E-01	9.73E-02	1.99E+00	2.06E+00	1.88E+02	3.29E+00	4.97E-01	1.94E+02	2.00E+00	2.38E-03	3.29E-01	9.73E-02	2.43E+00
805	490486.72	3860535.12	1.57E+00	1.96E-03	3.43E-01	9.62E-02	2.01E+00	2.07E+00	1.88E+02	3.43E+00	4.92E-01	1.94E+02	2.01E+00	2.37E-03	3.43E-01	9.62E-02	2.45E+00
806	490536.72	3860535.12	1.56E+00	1.94E-03	3.55E-01	9.53E-02	2.02E+00	2.07E+00	1.86E+02	3.55E+00	4.87E-01	1.92E+02	2.00E+00	2.35E-03	3.55E-01	9.53E-02	2.46E+00
807	490586.72	3860535.12	1.53E+00	1.92E-03	3.61E-01	9.36E-02	1.99E+00	2.03E+00	1.84E+02	3.61E+00	4.78E-01	1.90E+02	1.97E+00	2.32E-03	3.61E-01	9.36E-02	2.42E+00
808	490636.72	3860535.12	1.49E+00	1.89E-03	3.65E-01	9.22E-02	1.95E+00	1.97E+00	1.81E+02	3.65E+00	4.71E-01	1.87E+02	1.92E+00	2.29E-03	3.65E-01	9.22E-02	2.38E+00
809	490686.72	3860535.12	1.45E+00	1.85E-03	3.66E-01	9.15E-02	1.91E+00	1.91E+00	1.78E+02	3.66E+00	4.67E-01	1.84E+02	1.85E+00	2.24E-03	3.66E-01	9.15E-02	2.31E+00
810	490736.72	3860535.12	1.38E+00	1.81E-03	3.64E-01	9.06E-02	1.84E+00	1.83E+00	1.73E+02	3.64E+00	4.63E-01	1.79E+02	1.78E+00	2.19E-03	3.64E-01	9.06E-02	2.23E+00
811	490786.72	3860535.12	1.33E+00	1.76E-03	3.59E-01	8.99E-02	1.78E+00	1.76E+00	1.69E+02	3.59E+00	4.59E-01	1.75E+02	1.71E+00	2.13E-03	3.59E-01	8.99E-02	2.16E+00
812	490136.72	3860585.12	1.60E+00	1.87E-03	3.83E-01	1.04E-01	2.08E+00	2.11E+00	1.79E+02	3.83E+00	5.31E-01	1.85E+02	2.05E+00	2.26E-03	3.83E-01	1.04E-01	2.54E+00
813	490186.72	3860585.12	1.56E+00	1.85E-03	3.88E-01	1.03E-01	2.05E+00	2.06E+00	1.77E+02	3.88E+00	5.25E-01	1.84E+02	2.00E+00	2.24E-03	3.88E-01	1.03E-01	2.49E+00
814	490236.72	3860585.12	1.52E+00	1.87E-03	3.94E-01	1.02E-01	2.02E+00	2.01E+00	1.79E+02	3.94E+00	5.23E-01	1.85E+02	1.95E+00	2.26E-03	3.94E-01	1.02E-01	2.45E+00
815	490286.72	3860585.12	1.51E+00	1.88E-03	3.91E-01	1.02E-01	2.00E+00	1.99E+00	1.81E+02	3.91E+00	5.19E-01	1.87E+02	1.93E+00	2.28E-03	3.91E-01	1.02E-01	2.43E+00
816	490336.72	3860585.12	1.50E+00	1.90E-03	3.81E-01	1.01E-01	1.99E+00	1.98E+00	1.82E+02	3.81E+00	5.15E-01	1.89E+02	1.93E+00	2.30E-03	3.81E-01	1.01E-01	2.41E+00
817	490386.72	3860585.12	1.51E+00	1.91E-03	3.64E-01	9.99E-02	1.98E+00	2.00E+00	1.83E+02	3.64E+00	5.10E-01	1.90E+02	1.94E+00	2.32E-03	3.64E-01	9.99E-02	2.40E+00
818	490436.72	3860585.12	1.52E+00	1.92E-03	3.46E-01	9.93E-02	1.97E+00	2.01E+00	1.84E+02	3.46E+00	5.07E-01	1.90E+02	1.95E+00	2.33E-03	3.46E-01	9.93E-02	2.39E+00
819	490486.72	3860585.12	1.54E+00	1.93E-03	3.31E-01	9.86E-02	1.97E+00	2.04E+00	1.85E+02	3.31E+00	5.04E-01	1.91E+02	1.98E+00	2.33E-03	3.31E-01	9.86E-02	2.41E+00
820	490536.72	3860585.12	1.55E+00	1.92E-03	3.43E-01	9.73E-02	1.99E+00	2.04E+00	1.84E+02	3.43E+00	4.97E-01	1.90E+02	1.98E+00	2.33E-03	3.43E-01	9.73E-02	2.43E+00
821	490586.72	3860585.12	1.53E+00	1.91E-03	3.52E-01	9.55E-02	1.98E+00	2.02E+00	1.83E+02	3.52E+00	4.88E-01	1.89E+02	1.96E+00	2.31E-03	3.52E-01	9.55E-02	2.41E+00
822	490636.72	3860585.12	1.51E+00	1.89E-03	3.59E-01	9.42E-02	1.96E+00	1.99E+00	1.81E+02	3.59E+00	4.81E-01	1.87E+02	1.93E+00	2.29E-03	3.59E-01	9.42E-02	2.39E+00
823	490686.72	3860585.12	1.47E+00	1.87E-03	3.63E-01	9.29E-02	1.93E+00	1.95E+00	1.79E+02	3.63E+00	4.75E-01	1.85E+02	1.89E+00	2.26E-03	3.63E-01	9.29E-02	2.35E+00
824	490736.72	3860585.12	1.43E+00	1.84E-03	3.64E-01	9.16E-02	1.88E+00	1.88E+00	1.76E+02	3.64E+00	4.68E-01	1.82E+02	1.83E+00	2.22E-03	3.64E-01	9.16E-02	2.29E+00
825	490786.72	3860585.12	1.37E+00	1.80E-03	3.62E-01	9.01E-02	1.82E+00	1.81E+00	1.73E+02	3.62E+00	4.60E-01	1.78E+02	1.75E+00	2.18E-03	3.62E-01	9.01E-02	2.21E+00
826	490136.72	3860635.12	1.59E+00	1.85E-03	3.71E-01	1.05E-01	2.07E+00	2.10E+00	1.78E+02	3.71E+00	5.38E-01	1.84E+02	2.03E+00	2.25E-03	3.71E-01	1.05E-01	2.51E+00
827	490186.72	3860635.12	1.57E+00	1.84E-03	3.84E-01	1.05E-01	2.06E+00	2.08E+00	1.76E+02	3.84E+00	5.34E-01	1.83E+02	2.01E+00	2.23E-03	3.84E-01	1.05E-01	2.51E+00
828	490236.72	3860635.12	1.54E+00	1.82E-03	3.89E-01	1.04E-01	2.03E+00	2.03E+00	1.74E+02	3.89E+00	5.29E-01	1.81E+02	1.97E+00	2.20E-03	3.89E-01	1.04E-01	2.47E+00
829	490286.72	3860635.12	1.49E+00	1.82E-03	3.91E-01	1.03E-01	1.99E+00	1.97E+00	1.74E+02	3.91E+00	5.26E-01	1.81E+02	1.92E+00	2.20E-03	3.91E-01	1.03E-01	2.41E+00
830	490336.72	3860635.12	1.48E+00	1.84E-03	3.87E-01	1.02E-01	1.98E+00	1.96E+00	1.76E+02	3.87E+00	5.23E-01	1.82E+02	1.90E+00	2.22E-03	3.87E-01	1.02E-01	2.39E+00
831	490386.72	3860635.12	1.48E+00	1.85E-03	3.77E-01	1.02E-01	1.96E+00	1.95E+00	1.78E+02	3.77E+00	5.19E-01	1.84E+02	1.89E+00	2.24E-03	3.77E-01	1.02E-01	2.37E+00
832	490436.72	3860635.12	1.49E+00	1.87E-03	3.60E-01	1.01E-01	1.95E+00	1.96E+00	1.79E+02	3.60E+00	5.14E-01	1.85E+02	1.91E+00	2.26E-03	3.60E-01	1.01E-01	2.37E+00
833	490486.72	3860635.12	1.49E+00	1.88E-03	3.38E-01	9.97E-02	1.93E+00	1.97E+00	1.80E+02	3.38E+00	5.09E-01	1.86E+02	1.91E+00	2.27E-03	3.38E-01	9.97E-02	2.35E+00
834	490536.72	3860635.12	1.51E+00	1.88E-03	3.28E-01	9.88E-02	1.94E+00	2.00E+00	1.81E+02	3.28E+00	5.05E-01	1.86E+02	1.94E+00	2.28E-03	3.28E-01	9.88E-02	2.37E+00
835	490586.72	3860635.12	1.52E+00	1.88E-03	3.40E-01	9.74E-02	1.95E+00	2.00E+00	1.80E+02	3.40E+00	4.98E-01	1.86E+02	1.94E+00	2.28E-03	3.40E-01	9.74E-02	2.38E+00
836	490636.72	3860635.12	1.51E+00	1.87E-03	3.50E-01	9.63E-02	1.96E+00	1.99E+00	1.80E+02	3.50E+00	4.92E-01	1.86E+02	1.93E+00	2.27E-03	3.50E-01	9.63E-02	2.38E+00
837	490686.72	3860635.12	1.49E+00	1.86E-03	3.57E-01	9.50E-02	1.94E+00	1.96E+00	1.79E+02	3.57E+00	4.85E-01	1.85E+02	1.91E+00	2.26E-03	3.57E-01	9.50E-02	2.36E+00
838	490736.72	3860635.12	1.45E+00	1.84E-03	3.61E-01	9.36E-02	1.91E+00	1.92E+00	1.77E+02	3.61E+00	4.78E-01	1.83E+02	1.86E+00	2.23E-03	3.61E-01	9.36E-02	2.32E+00
839	490786.72	3860635.12	1.41E+00	1.82E-03	3.62E-01	9.22E-02	1.86E+00	1.86E+00	1.74E+02	3.62E+00	4.71E-01	1.80E+02	1.80E+00	2.20E-03	3.62E-01	9.22E-02	2.26E+00
840	490136.72	3860685.12	1.55E+00	1.84E-03	3.49E-01	1.06E-01	2.01E+00	2.05E+00	1.76E+02	3.49E+00	5.40E-01	1.83E+02	1.99E+00	2.23E-03	3.49E-01	1.06E-01	2.44E+00
841	490186.72	3860685.12	1.57E+00	1.83E-03	3.77E-01	1.06E-01	2.05E+00	2.07E+00	1.75E+02	3.77E+00	5.41E-01	1.82E+02	2.01E+00	2.21E-03	3.77E-01	1.06E-01	2.50E+00
842	490236.72	3860685.12	1.55E+00	1.81E-03	3.85E-01	1.05E-01	2.04E+00	2.05E+00	1.74E+02	3.85E+00	5.37E-01	1.80E+02	1.99E+00	2.20E-03	3.85E-01	1.05E-01	2.48E+00
843	490286.72	3860685.12	1.51E+00	1.79E-03	3.86E-01	1.04E-01	2.00E+00	2.00E+00	1.72E+02	3.86E+00	5.31E-01	1.78E+02	1.94E+00	2.17E-03	3.86E-01	1.04E-01	2.43E+00
844	490336.72	3860685.12	1.47E+00	1.78E-03	3.89E-01	1.04E-01	1.97E+00	1.94E+00	1.70E+02	3.89E+00	5.29E-01	1.77E+02	1.89E+00	2.15E-03	3.89E-01	1.04E-01	2.38E+00
845	490386.72	3860685.12	1.46E+00	1.79E-03	3.84E-01	1.03E-01	1.95E+00	1.93E+00	1.72E+02	3.84E+00	5.26E-01	1.78E+02	1.87E+00	2.17E-03	3.84E-01	1.03E-01	2.36E+00
846	490436.72	3860685.12	1.45E+00	1.81E-03	3.71E-01	1.02E-01	1.93E+00	1.92E+00	1.73E+02	3.71E+00	5.21E-01	1.79E+02	1.86E+00	2.19E-03	3.71E-01	1.02E-01	2.34E+00
847	490486.72	3860685.12	1.46E+00	1.82E-03	3.53E-01	1.01E-01	1.92E+00	1.93E+00	1.74E+02	3.53E+00	5.16E-01	1.80E+02	1.87E+00	2.20E-03	3.53E-01	1.01E-01	2.33E+00
848	490536.72	3860685.12	1.46E+00	1.83E-03	3.32E-01	1.00E-01	1.89E+00	1.93E+00	1.76E+02	3.32E+00	5.11E-01	1.81E+02	1.87E+00	2.22E-03	3.32E-01	1.00E-01	2.31E+00
849	490586.72	3860685.12	1.48E+00	1.84E-03	3.26E-01	9.91E-02	1.91E+00	1.96E+00	1.76E+02	3.26E+00	5.06E-01	1.82E+02	1.90E+00	2.23E-03	3.26E-01	9.91E-02	2.33E+00
850	490636.72	3860685.12	1.49E+00	1.84E-03	3.39E-01	9.81E-02	1.93E+00	1.97E+00	1.77E+02	3.39E+00	5.01E-01	1.83E+02	1.91E+00	2.23E-03	3.39E-01	9.81E-02	2.35E+00

851	490686.72	3860685.12	1.49E+00	1.84E-03	3.49E-01	9.70E-02	1.93E+00	1.96E+00	1.77E+02	3.49E+00	4.96E-01	1.82E+02	1.91E+00	2.23E-03	3.49E-01	9.70E-02	2.35E+00
852	490736.72	3860685.12	1.47E+00	1.83E-03	3.55E-01	9.57E-02	1.92E+00	1.94E+00	1.76E+02	3.55E+00	4.89E-01	1.82E+02	1.88E+00	2.22E-03	3.55E-01	9.57E-02	2.33E+00
853	490786.72	3860685.12	1.44E+00	1.82E-03	3.60E-01	9.45E-02	1.89E+00	1.90E+00	1.74E+02	3.60E+00	4.83E-01	1.80E+02	1.84E+00	2.20E-03	3.60E-01	9.45E-02	2.30E+00
854	490136.72	3860735.12	1.52E+00	1.83E-03	3.42E-01	1.06E-01	1.97E+00	2.01E+00	1.75E+02	3.42E+00	5.40E-01	1.81E+02	1.95E+00	2.21E-03	3.42E-01	1.06E-01	2.40E+00
855	490186.72	3860735.12	1.51E+00	1.81E-03	3.45E-01	1.05E-01	1.96E+00	2.00E+00	1.74E+02	3.45E+00	5.35E-01	1.80E+02	1.94E+00	2.20E-03	3.45E-01	1.05E-01	2.39E+00
856	490236.72	3860735.12	1.52E+00	1.80E-03	3.64E-01	1.05E-01	1.99E+00	2.01E+00	1.72E+02	3.64E+00	5.35E-01	1.79E+02	1.95E+00	2.18E-03	3.64E-01	1.05E-01	2.42E+00
857	490286.72	3860735.12	1.51E+00	1.78E-03	3.78E-01	1.05E-01	2.00E+00	2.00E+00	1.71E+02	3.78E+00	5.34E-01	1.77E+02	1.94E+00	2.16E-03	3.78E-01	1.05E-01	2.42E+00
858	490336.72	3860735.12	1.49E+00	1.77E-03	3.85E-01	1.04E-01	1.98E+00	1.96E+00	1.70E+02	3.85E+00	5.32E-01	1.76E+02	1.91E+00	2.14E-03	3.85E-01	1.04E-01	2.40E+00
859	490386.72	3860735.12	1.45E+00	1.75E-03	3.86E-01	1.04E-01	1.94E+00	1.91E+00	1.68E+02	3.86E+00	5.31E-01	1.74E+02	1.86E+00	2.12E-03	3.86E-01	1.04E-01	2.35E+00
860	490436.72	3860735.12	1.44E+00	1.75E-03	3.83E-01	1.04E-01	1.93E+00	1.90E+00	1.68E+02	3.83E+00	5.29E-01	1.74E+02	1.85E+00	2.12E-03	3.83E-01	1.04E-01	2.34E+00
861	490486.72	3860735.12	1.43E+00	1.76E-03	3.69E-01	1.03E-01	1.90E+00	1.89E+00	1.69E+02	3.69E+00	5.24E-01	1.75E+02	1.84E+00	2.14E-03	3.69E-01	1.03E-01	2.31E+00
862	490536.72	3860735.12	1.44E+00	1.77E-03	3.48E-01	1.01E-01	1.89E+00	1.90E+00	1.70E+02	3.48E+00	5.18E-01	1.76E+02	1.84E+00	2.15E-03	3.48E-01	1.01E-01	2.29E+00
863	490586.72	3860735.12	1.43E+00	1.79E-03	3.26E-01	1.00E-01	1.86E+00	1.89E+00	1.71E+02	3.26E+00	5.13E-01	1.77E+02	1.84E+00	2.16E-03	3.26E-01	1.00E-01	2.27E+00
864	490636.72	3860735.12	1.45E+00	1.79E-03	3.24E-01	9.94E-02	1.88E+00	1.92E+00	1.72E+02	3.24E+00	5.08E-01	1.78E+02	1.87E+00	2.17E-03	3.24E-01	9.94E-02	2.29E+00
865	490686.72	3860735.12	1.47E+00	1.80E-03	3.37E-01	9.86E-02	1.90E+00	1.94E+00	1.73E+02	3.37E+00	5.03E-01	1.79E+02	1.88E+00	2.18E-03	3.37E-01	9.86E-02	2.32E+00
866	490736.72	3860735.12	1.46E+00	1.81E-03	3.47E-01	9.76E-02	1.91E+00	1.93E+00	1.73E+02	3.47E+00	4.99E-01	1.79E+02	1.88E+00	2.19E-03	3.47E-01	9.76E-02	2.32E+00
867	490136.72	3860785.12	1.50E+00	1.82E-03	3.43E-01	1.11E-01	1.95E+00	1.98E+00	1.75E+02	3.43E+00	5.65E-01	1.81E+02	1.92E+00	2.21E-03	3.43E-01	1.11E-01	2.37E+00
868	490186.72	3860785.12	1.49E+00	1.80E-03	3.33E-01	1.06E-01	1.93E+00	1.97E+00	1.73E+02	3.33E+00	5.39E-01	1.79E+02	1.91E+00	2.19E-03	3.33E-01	1.06E-01	2.35E+00
869	490236.72	3860785.12	1.49E+00	1.79E-03	3.45E-01	1.04E-01	1.94E+00	1.96E+00	1.71E+02	3.45E+00	5.32E-01	1.77E+02	1.90E+00	2.17E-03	3.45E-01	1.04E-01	2.36E+00
870	490286.72	3860785.12	1.49E+00	1.77E-03	3.63E-01	1.04E-01	1.96E+00	1.97E+00	1.70E+02	3.63E+00	5.33E-01	1.76E+02	1.92E+00	2.15E-03	3.63E-01	1.04E-01	2.39E+00
871	490336.72	3860785.12	1.49E+00	1.76E-03	3.75E-01	1.04E-01	1.97E+00	1.96E+00	1.69E+02	3.75E+00	5.33E-01	1.75E+02	1.90E+00	2.13E-03	3.75E-01	1.04E-01	2.39E+00
872	490386.72	3860785.12	1.46E+00	1.74E-03	3.83E-01	1.04E-01	1.95E+00	1.93E+00	1.67E+02	3.83E+00	5.33E-01	1.74E+02	1.88E+00	2.11E-03	3.83E-01	1.04E-01	2.37E+00
873	490436.72	3860785.12	1.42E+00	1.73E-03	3.82E-01	1.04E-01	1.91E+00	1.88E+00	1.66E+02	3.82E+00	5.31E-01	1.72E+02	1.82E+00	2.09E-03	3.82E-01	1.04E-01	2.31E+00
874	490486.72	3860785.12	1.42E+00	1.71E-03	3.77E-01	1.04E-01	1.90E+00	1.87E+00	1.64E+02	3.77E+00	5.29E-01	1.70E+02	1.82E+00	2.07E-03	3.77E-01	1.04E-01	2.30E+00
875	490536.72	3860785.12	1.41E+00	1.72E-03	3.62E-01	1.03E-01	1.87E+00	1.86E+00	1.65E+02	3.62E+00	5.25E-01	1.71E+02	1.80E+00	2.08E-03	3.62E-01	1.03E-01	2.27E+00
876	490586.72	3860785.12	1.41E+00	1.73E-03	3.42E-01	1.02E-01	1.86E+00	1.86E+00	1.66E+02	3.42E+00	5.19E-01	1.72E+02	1.81E+00	2.10E-03	3.42E-01	1.02E-01	2.25E+00
877	490636.72	3860785.12	1.41E+00	1.74E-03	3.20E-01	1.01E-01	1.83E+00	1.86E+00	1.67E+02	3.20E+00	5.14E-01	1.73E+02	1.80E+00	2.11E-03	3.20E-01	1.01E-01	2.23E+00
878	490686.72	3860785.12	1.43E+00	1.75E-03	3.22E-01	9.98E-02	1.85E+00	1.89E+00	1.68E+02	3.22E+00	5.10E-01	1.74E+02	1.83E+00	2.12E-03	3.22E-01	9.98E-02	2.26E+00
879	490736.72	3860785.12	1.44E+00	1.76E-03	3.34E-01	9.90E-02	1.88E+00	1.90E+00	1.69E+02	3.34E+00	5.05E-01	1.75E+02	1.85E+00	2.14E-03	3.34E-01	9.90E-02	2.28E+00
880	490086.72	3860835.12	1.44E+00	1.88E-03	3.48E-01	1.14E-01	1.90E+00	1.90E+00	1.80E+02	3.48E+00	5.84E-01	1.86E+02	1.84E+00	2.27E-03	3.48E-01	1.14E-01	2.31E+00
881	490136.72	3860835.12	1.47E+00	1.84E-03	3.44E-01	1.14E-01	1.93E+00	1.94E+00	1.76E+02	3.44E+00	5.82E-01	1.82E+02	1.88E+00	2.23E-03	3.44E-01	1.14E-01	2.34E+00
882	490186.72	3860835.12	1.47E+00	1.81E-03	3.39E-01	1.09E-01	1.92E+00	1.95E+00	1.73E+02	3.39E+00	5.56E-01	1.79E+02	1.89E+00	2.19E-03	3.39E-01	1.09E-01	2.34E+00
883	490236.72	3860835.12	1.46E+00	1.78E-03	3.27E-01	1.06E-01	1.90E+00	1.93E+00	1.71E+02	3.27E+00	5.39E-01	1.77E+02	1.88E+00	2.16E-03	3.27E-01	1.06E-01	2.31E+00
884	490286.72	3860835.12	1.46E+00	1.77E-03	3.47E-01	1.04E-01	1.92E+00	1.93E+00	1.69E+02	3.47E+00	5.29E-01	1.75E+02	1.88E+00	2.14E-03	3.47E-01	1.04E-01	2.33E+00
885	490336.72	3860835.12	1.47E+00	1.75E-03	3.63E-01	1.04E-01	1.94E+00	1.94E+00	1.68E+02	3.63E+00	5.31E-01	1.74E+02	1.88E+00	2.12E-03	3.63E-01	1.04E-01	2.35E+00
886	490386.72	3860835.12	1.46E+00	1.74E-03	3.73E-01	1.04E-01	1.94E+00	1.93E+00	1.66E+02	3.73E+00	5.31E-01	1.73E+02	1.87E+00	2.10E-03	3.73E-01	1.04E-01	2.35E+00
887	490436.72	3860835.12	1.44E+00	1.72E-03	3.79E-01	1.04E-01	1.92E+00	1.90E+00	1.65E+02	3.79E+00	5.31E-01	1.71E+02	1.84E+00	2.09E-03	3.79E-01	1.04E-01	2.33E+00
888	490486.72	3860835.12	1.40E+00	1.70E-03	3.77E-01	1.04E-01	1.88E+00	1.85E+00	1.63E+02	3.77E+00	5.30E-01	1.70E+02	1.79E+00	2.06E-03	3.77E-01	1.04E-01	2.28E+00
889	490536.72	3860835.12	1.39E+00	1.69E-03	3.69E-01	1.03E-01	1.86E+00	1.84E+00	1.62E+02	3.69E+00	5.28E-01	1.68E+02	1.78E+00	2.04E-03	3.69E-01	1.03E-01	2.26E+00
890	490586.72	3860835.12	1.38E+00	1.68E-03	3.55E-01	1.03E-01	1.84E+00	1.82E+00	1.61E+02	3.55E+00	5.24E-01	1.67E+02	1.77E+00	2.04E-03	3.55E-01	1.03E-01	2.23E+00
891	490636.72	3860835.12	1.39E+00	1.69E-03	3.37E-01	1.02E-01	1.83E+00	1.83E+00	1.62E+02	3.37E+00	5.20E-01	1.68E+02	1.78E+00	2.05E-03	3.37E-01	1.02E-01	2.22E+00
892	490686.72	3860835.12	1.38E+00	1.70E-03	3.16E-01	1.01E-01	1.80E+00	1.83E+00	1.63E+02	3.16E+00	5.16E-01	1.69E+02	1.77E+00	2.06E-03	3.16E-01	1.01E-01	2.19E+00
893	490736.72	3860835.12	1.41E+00	1.72E-03	3.21E-01	1.00E-01	1.83E+00	1.86E+00	1.64E+02	3.21E+00	5.12E-01	1.70E+02	1.81E+00	2.08E-03	3.21E-01	1.00E-01	2.23E+00
894	490086.72	3860885.12	1.38E+00	1.93E-03	3.47E-01	1.17E-01	1.85E+00	1.83E+00	1.85E+02	3.47E+00	5.95E-01	1.91E+02	1.77E+00	2.34E-03	3.47E-01	1.17E-01	2.24E+00
895	490136.72	3860885.12	1.42E+00	1.87E-03	3.45E-01	1.14E-01	1.88E+00	1.88E+00	1.79E+02	3.45E+00	5.83E-01	1.85E+02	1.82E+00	2.26E-03	3.45E-01	1.14E-01	2.28E+00
896	490186.72	3860885.12	1.44E+00	1.83E-03	3.41E-01	1.11E-01	1.90E+00	1.91E+00	1.75E+02	3.41E+00	5.69E-01	1.81E+02	1.85E+00	2.21E-03	3.41E-01	1.11E-01	2.30E+00
897	490236.72	3860885.12	1.45E+00	1.79E-03	3.34E-01	1.09E-01	1.89E+00	1.92E+00	1.72E+02	3.34E+00	5.55E-01	1.78E+02	1.86E+00	2.17E-03	3.34E-01	1.09E-01	2.30E+00
898	490286.72	3860885.12	1.44E+00	1.77E-03	3.28E-01	1.06E-01	1.88E+00	1.90E+00	1.70E+02	3.28E+00	5.40E-01	1.75E+02	1.85E+00	2.14E-03	3.28E-01	1.06E-01	2.28E+00
899	490336.72	3860885.12	1.44E+00	1.75E-03	3.47E-01	1.03E-01	1.89E+00	1.90E+00	1.67E+02	3.47E+00	5.25E-01	1.73E+02	1.85E+00	2.12E-03	3.47E-01	1.03E-01	2.30E+00
900	490386.72	3860885.12	1.45E+00	1.73E-03	3.63E-01	1.03E-01	1.91E+00	1.91E+00	1.66E+02	3.63E+00	5.28E-01	1.72E+02	1.86E+00	2.10E-03	3.63E-01	1.03E-01	2.32E+00
901	490436.72	3860885.12	1.44E+00	1.71E-03	3.73E-01	1.04E-01	1.92E+00	1.90E+00	1.64E+02	3.73E+00	5.30E-01	1.71E+02	1.85E+00	2.08E-03	3.73E-01	1.04E-01	2.32E+00
902	490486.72	3860885.12	1.41E+00	1.70E-03	3.76E-01	1.04E-01	1.90E+00	1.87E+00	1.63E+02	3.76E+00	5.30E-01	1.69E+02	1.81E+00	2.06E-03	3.76E-01	1.04E-01	2.30E+00
903	490536.72	3860885.12	1.38E+00	1.68E-03	3.73E-01	1.04E-01	1.85E+00	1.82E+00	1.61E+02	3.73E+00	5.29E-01	1.67E+02	1.76E+00	2.04E-03	3.73E-01	1.04E-01	2.24E+00
904	490586.72	3860885.12	1.37E+00	1.66E-03	3.64E-01	1.03E-01	1.84E+00	1.81E+00	1.60E+02	3.64E+00	5.27E-01	1.65E+02	1.75E+00	2.02E-03	3.64E-01	1.03E-01	2.22E+00
905	490636.72	3860885.12	1.36E+00	1.65E-03	3.49E-01	1.02E-01	1.81E+00	1.79E+00	1.58E+02	3.49E+00	5.23E-01	1.64E+02	1.74E+00	2.00E-03	3.49E-01	1.02E-01	2.19E+00
906	490686.72	3860885.12	1.36E+00	1.65E-03	3.32E-01	1.02E-01	1.80E+00	1.80E+00	1.59E+02	3.32E+00	5.20E-01	1.64E+02	1.75E+00	2.00E-03	3.32E-01	1.02E-01	2.19E+00
907	490736.72	3860885.12	1.36E+00	1.66E-03	3.11E-01	1.01E-01	1.77E+00	1.80E+00	1.60E+02	3.11E+00	5.16E-01	1.65E+02	1.74E+00	2.02E-03	3.11E-01	1.01E-01	2.16E+00
908	490086.72	3860935.12	1.33E+00	1.98E-03	3.42E-01	1.18E-01	1.79E+00	1.76E+00	1.90E+02	3.42E+00	6.03E-01	1.96E+02	1.70E+00	2.40E-03	3.42E-01	1.18E-01	2.17E+00
909	490136.72	3860935.12	1.36E+00	1.92E-03	3.43E-01	1.16E-01	1.82E+00	1.80E+00	1.84E+02	3.43E+00	5.91E-01	1.90E+02	1.75E+00	2.32E-03	3.43E-01	1.16E-01	2.21E+00
910	490186.72	3860935.12	1.40E+00	1.86E-03	3.39E-01	1.14E-01	1.85E+00	1.85E+00	1.78E+02	3.39E+00	5.80E-01	1.84E+02	1.79E+00	2.25E-03	3.39E-01	1.14E-01	2.25E+00
911	490236.72	3860935.12	1.42E+00	1.81E-03	3.37E-01	1.11E-01	1.87E+00	1.88E+00	1.74E+02	3.37E+00	5.67E-01	1.80E+02	1.82E+00	2.20E-03	3.37E-01	1.11E-01	2.27E+00

912	490286.72	3860935.12	1.43E+00	1.78E-03	3.30E-01	1.08E-01	1.87E+00	1.89E+00	1.71E+02	3.30E+00	5.54E-01	1.76E+02	1.83E+00	2.16E-03	3.30E-01	1.08E-01	2.27E+00
913	490336.72	3860935.12	1.42E+00	1.75E-03	3.30E-01	1.06E-01	1.85E+00	1.87E+00	1.68E+02	3.30E+00	5.39E-01	1.74E+02	1.82E+00	2.12E-03	3.30E-01	1.06E-01	2.25E+00
914	490386.72	3860935.12	1.42E+00	1.73E-03	3.49E-01	1.03E-01	1.87E+00	1.88E+00	1.66E+02	3.49E+00	5.25E-01	1.72E+02	1.82E+00	2.10E-03	3.49E-01	1.03E-01	2.27E+00
915	490436.72	3860935.12	1.43E+00	1.71E-03	3.63E-01	1.03E-01	1.89E+00	1.89E+00	1.64E+02	3.63E+00	5.25E-01	1.70E+02	1.83E+00	2.07E-03	3.63E-01	1.03E-01	2.30E+00
916	490486.72	3860935.12	1.42E+00	1.70E-03	3.71E-01	1.03E-01	1.89E+00	1.87E+00	1.63E+02	3.71E+00	5.26E-01	1.69E+02	1.82E+00	2.05E-03	3.71E-01	1.03E-01	2.29E+00
917	490536.72	3860935.12	1.39E+00	1.68E-03	3.73E-01	1.03E-01	1.87E+00	1.84E+00	1.61E+02	3.73E+00	5.27E-01	1.67E+02	1.78E+00	2.03E-03	3.73E-01	1.03E-01	2.26E+00
918	490586.72	3860935.12	1.35E+00	1.66E-03	3.68E-01	1.03E-01	1.83E+00	1.79E+00	1.59E+02	3.68E+00	5.26E-01	1.65E+02	1.74E+00	2.01E-03	3.68E-01	1.03E-01	2.21E+00
919	490636.72	3860935.12	1.34E+00	1.64E-03	3.58E-01	1.03E-01	1.81E+00	1.78E+00	1.58E+02	3.58E+00	5.25E-01	1.64E+02	1.72E+00	1.99E-03	3.58E-01	1.03E-01	2.19E+00
920	490686.72	3860935.12	1.33E+00	1.63E-03	3.44E-01	1.02E-01	1.78E+00	1.76E+00	1.56E+02	3.44E+00	5.22E-01	1.62E+02	1.71E+00	1.97E-03	3.44E-01	1.02E-01	2.16E+00
921	490736.72	3860935.12	1.34E+00	1.62E-03	3.27E-01	1.02E-01	1.77E+00	1.77E+00	1.55E+02	3.27E+00	5.20E-01	1.61E+02	1.72E+00	1.96E-03	3.27E-01	1.02E-01	2.15E+00
922	490786.72	3860935.12	1.34E+00	1.63E-03	3.06E-01	1.01E-01	1.75E+00	1.77E+00	1.56E+02	3.06E+00	5.16E-01	1.61E+02	1.72E+00	1.97E-03	3.06E-01	1.01E-01	2.13E+00
923	490836.72	3860935.12	1.36E+00	1.64E-03	3.17E-01	1.00E-01	1.78E+00	1.80E+00	1.57E+02	3.17E+00	5.13E-01	1.63E+02	1.75E+00	1.99E-03	3.17E-01	1.00E-01	2.16E+00
924	490086.72	3860985.12	1.33E+00	2.04E-03	3.34E-01	1.19E-01	1.79E+00	1.76E+00	1.95E+02	3.34E+00	6.08E-01	2.01E+02	1.71E+00	2.47E-03	3.34E-01	1.19E-01	2.16E+00
925	490136.72	3860985.12	1.31E+00	1.96E-03	3.41E-01	1.17E-01	1.77E+00	1.73E+00	1.88E+02	3.41E+00	5.99E-01	1.94E+02	1.68E+00	2.37E-03	3.41E-01	1.17E-01	2.14E+00
926	490186.72	3860985.12	1.35E+00	1.91E-03	3.41E-01	1.15E-01	1.81E+00	1.78E+00	1.83E+02	3.41E+00	5.90E-01	1.89E+02	1.73E+00	2.31E-03	3.41E-01	1.15E-01	2.19E+00
927	490236.72	3860985.12	1.38E+00	1.85E-03	3.36E-01	1.13E-01	1.83E+00	1.83E+00	1.77E+02	3.36E+00	5.78E-01	1.83E+02	1.77E+00	2.24E-03	3.36E-01	1.13E-01	2.22E+00
928	490286.72	3860985.12	1.40E+00	1.80E-03	3.33E-01	1.11E-01	1.85E+00	1.85E+00	1.73E+02	3.33E+00	5.66E-01	1.79E+02	1.80E+00	2.18E-03	3.33E-01	1.11E-01	2.24E+00
929	490336.72	3860985.12	1.41E+00	1.77E-03	3.24E-01	1.08E-01	1.84E+00	1.86E+00	1.70E+02	3.24E+00	5.53E-01	1.75E+02	1.80E+00	2.14E-03	3.24E-01	1.08E-01	2.24E+00
930	490386.72	3860985.12	1.39E+00	1.74E-03	3.32E-01	1.06E-01	1.83E+00	1.84E+00	1.67E+02	3.32E+00	5.39E-01	1.72E+02	1.79E+00	2.11E-03	3.32E-01	1.06E-01	2.23E+00
931	490436.72	3860985.12	1.40E+00	1.72E-03	3.50E-01	1.03E-01	1.86E+00	1.85E+00	1.65E+02	3.50E+00	5.26E-01	1.70E+02	1.80E+00	2.08E-03	3.50E-01	1.03E-01	2.25E+00
932	490486.72	3860985.12	1.41E+00	1.70E-03	3.62E-01	1.02E-01	1.87E+00	1.86E+00	1.63E+02	3.62E+00	5.20E-01	1.69E+02	1.80E+00	2.05E-03	3.62E-01	1.02E-01	2.27E+00
933	490536.72	3860985.12	1.39E+00	1.68E-03	3.68E-01	1.02E-01	1.87E+00	1.84E+00	1.61E+02	3.68E+00	5.22E-01	1.67E+02	1.79E+00	2.03E-03	3.68E-01	1.02E-01	2.26E+00
934	490586.72	3860985.12	1.37E+00	1.66E-03	3.68E-01	1.02E-01	1.84E+00	1.81E+00	1.59E+02	3.68E+00	5.23E-01	1.65E+02	1.75E+00	2.01E-03	3.68E-01	1.02E-01	2.23E+00
935	490636.72	3860985.12	1.33E+00	1.64E-03	3.64E-01	1.03E-01	1.80E+00	1.76E+00	1.58E+02	3.64E+00	5.24E-01	1.64E+02	1.71E+00	1.99E-03	3.64E-01	1.03E-01	2.18E+00
936	490686.72	3860985.12	1.32E+00	1.63E-03	3.54E-01	1.02E-01	1.78E+00	1.75E+00	1.56E+02	3.54E+00	5.23E-01	1.62E+02	1.70E+00	1.97E-03	3.54E-01	1.02E-01	2.16E+00
937	490736.72	3860985.12	1.31E+00	1.61E-03	3.39E-01	1.02E-01	1.75E+00	1.73E+00	1.54E+02	3.39E+00	5.21E-01	1.60E+02	1.68E+00	1.95E-03	3.39E-01	1.02E-01	2.13E+00
938	490786.72	3860985.12	1.32E+00	1.59E-03	3.22E-01	1.02E-01	1.75E+00	1.75E+00	1.53E+02	3.22E+00	5.19E-01	1.58E+02	1.70E+00	1.93E-03	3.22E-01	1.02E-01	2.12E+00
939	490836.72	3860985.12	1.32E+00	1.60E-03	3.02E-01	1.01E-01	1.73E+00	1.74E+00	1.53E+02	3.02E+00	5.16E-01	1.58E+02	1.69E+00	1.93E-03	3.02E-01	1.01E-01	2.10E+00
940	490086.72	3861035.12	1.35E+00	2.11E-03	3.28E-01	1.19E-01	1.80E+00	1.78E+00	2.02E+02	3.28E+00	6.10E-01	2.08E+02	1.73E+00	2.55E-03	3.28E-01	1.19E-01	2.18E+00
941	490136.72	3861035.12	1.31E+00	2.03E-03	3.34E-01	1.18E-01	1.76E+00	1.73E+00	1.95E+02	3.34E+00	6.04E-01	2.00E+02	1.68E+00	2.46E-03	3.34E-01	1.18E-01	2.13E+00
942	490186.72	3861035.12	1.29E+00	1.95E-03	3.39E-01	1.17E-01	1.75E+00	1.70E+00	1.87E+02	3.39E+00	5.95E-01	1.93E+02	1.65E+00	2.36E-03	3.39E-01	1.17E-01	2.11E+00
943	490236.72	3861035.12	1.33E+00	1.88E-03	3.37E-01	1.15E-01	1.79E+00	1.76E+00	1.81E+02	3.37E+00	5.86E-01	1.86E+02	1.71E+00	2.28E-03	3.37E-01	1.15E-01	2.16E+00
944	490286.72	3861035.12	1.36E+00	1.83E-03	3.34E-01	1.13E-01	1.81E+00	1.80E+00	1.76E+02	3.34E+00	5.75E-01	1.82E+02	1.75E+00	2.22E-03	3.34E-01	1.13E-01	2.20E+00
945	490336.72	3861035.12	1.38E+00	1.79E-03	3.29E-01	1.10E-01	1.82E+00	1.82E+00	1.72E+02	3.29E+00	5.63E-01	1.78E+02	1.77E+00	2.17E-03	3.29E-01	1.10E-01	2.21E+00
946	490386.72	3861035.12	1.39E+00	1.76E-03	3.19E-01	1.08E-01	1.82E+00	1.83E+00	1.69E+02	3.19E+00	5.52E-01	1.74E+02	1.78E+00	2.13E-03	3.19E-01	1.08E-01	2.21E+00
947	490436.72	3861035.12	1.38E+00	1.73E-03	3.35E-01	1.06E-01	1.82E+00	1.82E+00	1.66E+02	3.35E+00	5.40E-01	1.71E+02	1.76E+00	2.09E-03	3.35E-01	1.06E-01	2.21E+00
948	490486.72	3861035.12	1.38E+00	1.70E-03	3.51E-01	1.03E-01	1.84E+00	1.83E+00	1.63E+02	3.51E+00	5.26E-01	1.69E+02	1.77E+00	2.06E-03	3.51E-01	1.03E-01	2.23E+00
949	490536.72	3861035.12	1.39E+00	1.68E-03	3.61E-01	1.01E-01	1.85E+00	1.83E+00	1.61E+02	3.61E+00	5.14E-01	1.67E+02	1.78E+00	2.03E-03	3.61E-01	1.01E-01	2.24E+00
950	490586.72	3861035.12	1.37E+00	1.66E-03	3.66E-01	1.01E-01	1.84E+00	1.81E+00	1.59E+02	3.66E+00	5.17E-01	1.65E+02	1.76E+00	2.01E-03	3.66E-01	1.01E-01	2.23E+00
951	490636.72	3861035.12	1.35E+00	1.64E-03	3.65E-01	1.02E-01	1.81E+00	1.78E+00	1.57E+02	3.65E+00	5.19E-01	1.63E+02	1.73E+00	1.99E-03	3.65E-01	1.02E-01	2.19E+00
952	490686.72	3861035.12	1.31E+00	1.62E-03	3.59E-01	1.02E-01	1.77E+00	1.73E+00	1.56E+02	3.59E+00	5.20E-01	1.62E+02	1.68E+00	1.97E-03	3.59E-01	1.02E-01	2.14E+00
953	490736.72	3861035.12	1.30E+00	1.61E-03	3.49E-01	1.02E-01	1.75E+00	1.72E+00	1.54E+02	3.49E+00	5.19E-01	1.60E+02	1.67E+00	1.95E-03	3.49E-01	1.02E-01	2.12E+00
954	490786.72	3861035.12	1.29E+00	1.59E-03	3.35E-01	1.02E-01	1.73E+00	1.71E+00	1.52E+02	3.35E+00	5.19E-01	1.58E+02	1.66E+00	1.92E-03	3.35E-01	1.02E-01	2.09E+00
955	490836.72	3861035.12	1.30E+00	1.58E-03	3.17E-01	1.01E-01	1.72E+00	1.72E+00	1.51E+02	3.17E+00	5.17E-01	1.56E+02	1.67E+00	1.91E-03	3.17E-01	1.01E-01	2.09E+00
956	490086.72	3861085.12	1.37E+00	2.18E-03	3.30E-01	1.19E-01	1.82E+00	1.81E+00	2.09E+02	3.30E+00	6.09E-01	2.14E+02	1.75E+00	2.64E-03	3.30E-01	1.19E-01	2.20E+00
957	490136.72	3861085.12	1.33E+00	2.10E-03	3.26E-01	1.19E-01	1.77E+00	1.75E+00	2.01E+02	3.26E+00	6.05E-01	2.07E+02	1.70E+00	2.54E-03	3.26E-01	1.19E-01	2.15E+00
958	490186.72	3861085.12	1.29E+00	2.02E-03	3.36E-01	1.18E-01	1.75E+00	1.71E+00	1.94E+02	3.36E+00	6.00E-01	2.00E+02	1.66E+00	2.45E-03	3.36E-01	1.18E-01	2.11E+00
959	490236.72	3861085.12	1.28E+00	1.95E-03	3.38E-01	1.16E-01	1.73E+00	1.69E+00	1.87E+02	3.38E+00	5.92E-01	1.92E+02	1.64E+00	2.36E-03	3.38E-01	1.16E-01	2.09E+00
960	490286.72	3861085.12	1.32E+00	1.88E-03	3.33E-01	1.14E-01	1.77E+00	1.74E+00	1.80E+02	3.33E+00	5.83E-01	1.86E+02	1.69E+00	2.27E-03	3.33E-01	1.14E-01	2.14E+00
961	490336.72	3861085.12	1.35E+00	1.82E-03	3.32E-01	1.12E-01	1.79E+00	1.78E+00	1.75E+02	3.32E+00	5.73E-01	1.80E+02	1.73E+00	2.21E-03	3.32E-01	1.12E-01	2.17E+00
962	490386.72	3861085.12	1.37E+00	1.78E-03	3.26E-01	1.10E-01	1.80E+00	1.80E+00	1.71E+02	3.26E+00	5.63E-01	1.77E+02	1.75E+00	2.16E-03	3.26E-01	1.10E-01	2.19E+00
963	490436.72	3861085.12	1.37E+00	1.75E-03	3.17E-01	1.08E-01	1.79E+00	1.81E+00	1.68E+02	3.17E+00	5.51E-01	1.73E+02	1.75E+00	2.12E-03	3.17E-01	1.08E-01	2.18E+00
964	490486.72	3861085.12	1.35E+00	1.72E-03	3.36E-01	1.05E-01	1.80E+00	1.79E+00	1.65E+02	3.36E+00	5.39E-01	1.70E+02	1.74E+00	2.08E-03	3.36E-01	1.05E-01	2.18E+00
965	490536.72	3861085.12	1.36E+00	1.69E-03	3.51E-01	1.03E-01	1.82E+00	1.80E+00	1.62E+02	3.51E+00	5.26E-01	1.68E+02	1.75E+00	2.05E-03	3.51E-01	1.03E-01	2.20E+00
966	490586.72	3861085.12	1.36E+00	1.67E-03	3.59E-01	1.00E-01	1.83E+00	1.80E+00	1.60E+02	3.59E+00	5.12E-01	1.66E+02	1.75E+00	2.02E-03	3.59E-01	1.00E-01	2.21E+00
967	490636.72	3861085.12	1.35E+00	1.64E-03	3.62E-01	1.00E-01	1.81E+00	1.78E+00	1.58E+02	3.62E+00	5.11E-01	1.64E+02	1.73E+00	1.99E-03	3.62E-01	1.00E-01	2.20E+00
968	490686.72	3861085.12	1.32E+00	1.62E-03	3.61E-01	1.01E-01	1.79E+00	1.75E+00	1.56E+02	3.61E+00	5.14E-01	1.62E+02	1.70E+00	1.97E-03	3.61E-01	1.01E-01	2.16E+00
969	490736.72	3861085.12	1.29E+00	1.61E-03	3.55E-01	1.01E-01	1.75E+00	1.71E+00	1.54E+02	3.55E+00	5.15E-01	1.60E+02	1.66E+00	1.95E-03	3.55E-01	1.01E-01	2.11E+00
970	490786.72	3861085.12	1.28E+00	1.59E-03	3.44E-01	1.01E-01	1.73E+00	1.70E+00	1.53E+02	3.44E+00	5.16E-01	1.58E+02	1.65E+00	1.93E-03	3.44E-01	1.01E-01	2.09E+00
971	490836.72	3861085.12	1.27E+00	1.57E-03	3.30E-01	1.01E-01	1.71E+00	1.68E+00	1.51E+02	3.30E+00	5.16E-01	1.56E+02	1.63E+00	1.90E-03	3.30E-01	1.01E-01	2.06E+00
972	490086.72	3861135.12	1.37E+00	2.25E-03	3.29E-01	1.18E-01	1.82E+00	1.81E+00	2.15E+02	3.29E+00	6.05E-01	2.21E+02	1.76E+00	2.72E-03	3.29E-01	1.18E-01	2.21E+00

973	490136.72	3861135.12	1.34E+00	2.16E-03	3.28E-01	1.18E-01	1.79E+00	1.78E+00	2.07E+02	3.28E+00	6.03E-01	2.13E+02	1.72E+00	2.62E-03	3.28E-01	1.18E-01	2.17E+00
974	490186.72	3861135.12	1.30E+00	2.08E-03	3.28E-01	1.17E-01	1.75E+00	1.72E+00	2.00E+02	3.28E+00	6.00E-01	2.05E+02	1.67E+00	2.52E-03	3.28E-01	1.17E-01	2.12E+00
975	490236.72	3861135.12	1.27E+00	2.01E-03	3.35E-01	1.17E-01	1.73E+00	1.68E+00	1.93E+02	3.35E+00	5.95E-01	1.98E+02	1.63E+00	2.44E-03	3.35E-01	1.17E-01	2.09E+00
976	490286.72	3861135.12	1.26E+00	1.94E-03	3.35E-01	1.15E-01	1.72E+00	1.67E+00	1.86E+02	3.35E+00	5.88E-01	1.92E+02	1.62E+00	2.35E-03	3.35E-01	1.15E-01	2.07E+00
977	490336.72	3861135.12	1.30E+00	1.87E-03	3.31E-01	1.13E-01	1.75E+00	1.72E+00	1.80E+02	3.31E+00	5.80E-01	1.85E+02	1.67E+00	2.27E-03	3.31E-01	1.13E-01	2.12E+00
978	490386.72	3861135.12	1.33E+00	1.81E-03	3.30E-01	1.12E-01	1.78E+00	1.76E+00	1.74E+02	3.30E+00	5.71E-01	1.79E+02	1.71E+00	2.19E-03	3.30E-01	1.12E-01	2.15E+00
979	490436.72	3861135.12	1.35E+00	1.77E-03	3.22E-01	1.10E-01	1.78E+00	1.78E+00	1.70E+02	3.22E+00	5.60E-01	1.75E+02	1.73E+00	2.15E-03	3.22E-01	1.10E-01	2.16E+00
980	490486.72	3861135.12	1.35E+00	1.74E-03	3.19E-01	1.08E-01	1.78E+00	1.78E+00	1.66E+02	3.19E+00	5.49E-01	1.72E+02	1.73E+00	2.10E-03	3.19E-01	1.08E-01	2.16E+00
981	490536.72	3861135.12	1.33E+00	1.70E-03	3.37E-01	1.05E-01	1.78E+00	1.76E+00	1.63E+02	3.37E+00	5.37E-01	1.69E+02	1.71E+00	2.06E-03	3.37E-01	1.05E-01	2.15E+00
982	490586.72	3861135.12	1.34E+00	1.68E-03	3.49E-01	1.03E-01	1.80E+00	1.77E+00	1.61E+02	3.49E+00	5.25E-01	1.67E+02	1.72E+00	2.03E-03	3.49E-01	1.03E-01	2.18E+00
983	490636.72	3861135.12	1.34E+00	1.65E-03	3.57E-01	1.00E-01	1.80E+00	1.77E+00	1.58E+02	3.57E+00	5.11E-01	1.64E+02	1.72E+00	2.00E-03	3.57E-01	1.00E-01	2.18E+00
984	490686.72	3861135.12	1.33E+00	1.63E-03	3.60E-01	9.89E-02	1.79E+00	1.76E+00	1.56E+02	3.60E+00	5.05E-01	1.62E+02	1.71E+00	1.97E-03	3.60E-01	9.89E-02	2.17E+00
985	490736.72	3861135.12	1.31E+00	1.61E-03	3.58E-01	9.96E-02	1.76E+00	1.72E+00	1.54E+02	3.58E+00	5.09E-01	1.60E+02	1.67E+00	1.95E-03	3.58E-01	9.96E-02	2.13E+00
986	490786.72	3861135.12	1.27E+00	1.59E-03	3.51E-01	1.00E-01	1.73E+00	1.68E+00	1.53E+02	3.51E+00	5.11E-01	1.58E+02	1.63E+00	1.93E-03	3.51E-01	1.00E-01	2.09E+00
987	490836.72	3861135.12	1.27E+00	1.57E-03	3.40E-01	1.00E-01	1.71E+00	1.67E+00	1.51E+02	3.40E+00	5.12E-01	1.57E+02	1.62E+00	1.91E-03	3.40E-01	1.00E-01	2.07E+00
988	490086.72	3861185.12	1.36E+00	2.29E-03	3.33E-01	1.17E-01	1.82E+00	1.80E+00	2.20E+02	3.33E+00	5.98E-01	2.26E+02	1.75E+00	2.78E-03	3.33E-01	1.17E-01	2.20E+00
989	490136.72	3861185.12	1.35E+00	2.22E-03	3.27E-01	1.17E-01	1.79E+00	1.78E+00	2.13E+02	3.27E+00	5.98E-01	2.18E+02	1.73E+00	2.69E-03	3.27E-01	1.17E-01	2.17E+00
990	490186.72	3861185.12	1.32E+00	2.14E-03	3.25E-01	1.17E-01	1.76E+00	1.74E+00	2.05E+02	3.25E+00	5.96E-01	2.11E+02	1.69E+00	2.59E-03	3.25E-01	1.17E-01	2.13E+00
991	490236.72	3861185.12	1.28E+00	2.06E-03	3.27E-01	1.16E-01	1.72E+00	1.69E+00	1.98E+02	3.27E+00	5.94E-01	2.03E+02	1.64E+00	2.50E-03	3.27E-01	1.16E-01	2.08E+00
992	490286.72	3861185.12	1.25E+00	2.00E-03	3.33E-01	1.15E-01	1.70E+00	1.65E+00	1.92E+02	3.33E+00	5.90E-01	1.97E+02	1.61E+00	2.42E-03	3.33E-01	1.15E-01	2.06E+00
993	490336.72	3861185.12	1.25E+00	1.93E-03	3.30E-01	1.14E-01	1.69E+00	1.65E+00	1.85E+02	3.30E+00	5.82E-01	1.90E+02	1.60E+00	2.33E-03	3.30E-01	1.14E-01	2.05E+00
994	490386.72	3861185.12	1.29E+00	1.86E-03	3.28E-01	1.13E-01	1.73E+00	1.70E+00	1.79E+02	3.28E+00	5.75E-01	1.84E+02	1.65E+00	2.26E-03	3.28E-01	1.13E-01	2.09E+00
995	490436.72	3861185.12	1.32E+00	1.80E-03	3.26E-01	1.11E-01	1.75E+00	1.74E+00	1.73E+02	3.26E+00	5.67E-01	1.78E+02	1.69E+00	2.18E-03	3.26E-01	1.11E-01	2.13E+00
996	490486.72	3861185.12	1.33E+00	1.76E-03	3.17E-01	1.09E-01	1.76E+00	1.76E+00	1.69E+02	3.17E+00	5.58E-01	1.74E+02	1.70E+00	2.13E-03	3.17E-01	1.09E-01	2.13E+00
997	490536.72	3861185.12	1.33E+00	1.73E-03	3.22E-01	1.07E-01	1.76E+00	1.76E+00	1.66E+02	3.22E+00	5.48E-01	1.71E+02	1.71E+00	2.09E-03	3.22E-01	1.07E-01	2.14E+00
998	490586.72	3861185.12	1.31E+00	1.69E-03	3.37E-01	1.05E-01	1.76E+00	1.74E+00	1.62E+02	3.37E+00	5.36E-01	1.68E+02	1.69E+00	2.05E-03	3.37E-01	1.05E-01	2.13E+00
999	490636.72	3861185.12	1.32E+00	1.66E-03	3.48E-01	1.02E-01	1.77E+00	1.75E+00	1.59E+02	3.48E+00	5.23E-01	1.65E+02	1.69E+00	2.01E-03	3.48E-01	1.02E-01	2.15E+00
1000	490686.72	3861185.12	1.32E+00	1.64E-03	3.54E-01	9.99E-02	1.78E+00	1.75E+00	1.57E+02	3.54E+00	5.10E-01	1.63E+02	1.70E+00	1.98E-03	3.54E-01	9.99E-02	2.15E+00
1001	490736.72	3861185.12	1.31E+00	1.62E-03	3.57E-01	9.77E-02	1.77E+00	1.73E+00	1.55E+02	3.57E+00	4.99E-01	1.61E+02	1.68E+00	1.96E-03	3.57E-01	9.77E-02	2.14E+00
1002	490786.72	3861185.12	1.29E+00	1.60E-03	3.55E-01	9.85E-02	1.74E+00	1.70E+00	1.53E+02	3.55E+00	5.03E-01	1.59E+02	1.65E+00	1.93E-03	3.55E-01	9.85E-02	2.11E+00
1003	490836.72	3861185.12	1.26E+00	1.58E-03	3.48E-01	9.91E-02	1.70E+00	1.66E+00	1.51E+02	3.48E+00	5.06E-01	1.57E+02	1.61E+00	1.91E-03	3.48E-01	9.91E-02	2.06E+00
1004	490086.72	3861235.12	1.35E+00	2.31E-03	3.35E-01	1.23E-01	1.81E+00	1.78E+00	2.21E+02	3.35E+00	6.27E-01	2.27E+02	1.73E+00	2.80E-03	3.35E-01	1.23E-01	2.19E+00
1005	490136.72	3861235.12	1.34E+00	2.25E-03	3.26E-01	1.16E-01	1.79E+00	1.77E+00	2.16E+02	3.26E+00	5.90E-01	2.22E+02	1.72E+00	2.73E-03	3.26E-01	1.16E-01	2.17E+00
1006	490186.72	3861235.12	1.33E+00	2.19E-03	3.26E-01	1.16E-01	1.77E+00	1.75E+00	2.10E+02	3.26E+00	5.91E-01	2.16E+02	1.70E+00	2.66E-03	3.26E-01	1.16E-01	2.15E+00
1007	490236.72	3861235.12	1.29E+00	2.12E-03	3.21E-01	1.15E-01	1.73E+00	1.71E+00	2.03E+02	3.21E+00	5.90E-01	2.09E+02	1.66E+00	2.57E-03	3.21E-01	1.15E-01	2.10E+00
1008	490386.72	3861235.12	1.23E+00	1.91E-03	3.25E-01	1.13E-01	1.67E+00	1.63E+00	1.84E+02	3.25E+00	5.77E-01	1.89E+02	1.58E+00	2.32E-03	3.25E-01	1.13E-01	2.02E+00
1009	490436.72	3861235.12	1.27E+00	1.85E-03	3.25E-01	1.12E-01	1.71E+00	1.68E+00	1.78E+02	3.25E+00	5.70E-01	1.83E+02	1.63E+00	2.24E-03	3.25E-01	1.12E-01	2.07E+00
1010	490486.72	3861235.12	1.30E+00	1.79E-03	3.20E-01	1.10E-01	1.73E+00	1.71E+00	1.72E+02	3.20E+00	5.62E-01	1.77E+02	1.66E+00	2.17E-03	3.20E-01	1.10E-01	2.09E+00
1011	490536.72	3861235.12	1.31E+00	1.74E-03	3.12E-01	1.09E-01	1.74E+00	1.73E+00	1.67E+02	3.12E+00	5.55E-01	1.73E+02	1.68E+00	2.11E-03	3.12E-01	1.09E-01	2.11E+00
1012	490586.72	3861235.12	1.31E+00	1.71E-03	3.24E-01	1.07E-01	1.75E+00	1.73E+00	1.64E+02	3.24E+00	5.46E-01	1.70E+02	1.68E+00	2.08E-03	3.24E-01	1.07E-01	2.12E+00
1013	490636.72	3861235.12	1.29E+00	1.68E-03	3.36E-01	1.04E-01	1.73E+00	1.71E+00	1.61E+02	3.36E+00	5.33E-01	1.66E+02	1.66E+00	2.03E-03	3.36E-01	1.04E-01	2.10E+00
1014	490686.72	3861235.12	1.30E+00	1.65E-03	3.47E-01	1.02E-01	1.75E+00	1.72E+00	1.58E+02	3.47E+00	5.22E-01	1.64E+02	1.67E+00	2.00E-03	3.47E-01	1.02E-01	2.12E+00
1015	490736.72	3861235.12	1.31E+00	1.63E-03	3.53E-01	9.99E-02	1.76E+00	1.72E+00	1.56E+02	3.53E+00	5.10E-01	1.62E+02	1.67E+00	1.97E-03	3.53E-01	9.99E-02	2.13E+00
1016	490786.72	3861235.12	1.29E+00	1.60E-03	3.55E-01	9.75E-02	1.75E+00	1.71E+00	1.54E+02	3.55E+00	4.98E-01	1.60E+02	1.66E+00	1.94E-03	3.55E-01	9.75E-02	2.11E+00
1017	490836.72	3861235.12	1.27E+00	1.58E-03	3.52E-01	9.73E-02	1.72E+00	1.68E+00	1.52E+02	3.52E+00	4.97E-01	1.58E+02	1.63E+00	1.92E-03	3.52E-01	9.73E-02	2.08E+00
1018	490086.72	3861285.12	1.36E+00	2.30E-03	3.37E-01	1.28E-01	1.83E+00	1.80E+00	2.20E+02	3.37E+00	6.52E-01	2.26E+02	1.74E+00	2.78E-03	3.37E-01	1.28E-01	2.21E+00
1019	490136.72	3861285.12	1.33E+00	2.27E-03	3.30E-01	1.21E-01	1.79E+00	1.76E+00	2.18E+02	3.30E+00	6.18E-01	2.23E+02	1.71E+00	2.75E-03	3.30E-01	1.21E-01	2.16E+00
1020	490186.72	3861285.12	1.33E+00	2.22E-03	3.25E-01	1.14E-01	1.77E+00	1.75E+00	2.13E+02	3.25E+00	5.83E-01	2.19E+02	1.70E+00	2.69E-03	3.25E-01	1.14E-01	2.14E+00
1021	490236.72	3861285.12	1.31E+00	2.16E-03	3.24E-01	1.14E-01	1.75E+00	1.72E+00	2.08E+02	3.24E+00	5.84E-01	2.13E+02	1.67E+00	2.62E-03	3.24E-01	1.14E-01	2.12E+00
1022	490386.72	3861285.12	1.21E+00	1.96E-03	3.26E-01	1.13E-01	1.65E+00	1.60E+00	1.88E+02	3.26E+00	5.78E-01	1.94E+02	1.55E+00	2.38E-03	3.26E-01	1.13E-01	1.99E+00
1023	490436.72	3861285.12	1.22E+00	1.90E-03	3.24E-01	1.12E-01	1.66E+00	1.62E+00	1.83E+02	3.24E+00	5.73E-01	1.88E+02	1.57E+00	2.31E-03	3.24E-01	1.12E-01	2.01E+00
1024	490486.72	3861285.12	1.26E+00	1.84E-03	3.23E-01	1.11E-01	1.69E+00	1.66E+00	1.77E+02	3.23E+00	5.66E-01	1.82E+02	1.61E+00	2.23E-03	3.23E-01	1.11E-01	2.05E+00
1025	490536.72	3861285.12	1.28E+00	1.79E-03	3.17E-01	1.09E-01	1.71E+00	1.69E+00	1.71E+02	3.17E+00	5.59E-01	1.77E+02	1.64E+00	2.16E-03	3.17E-01	1.09E-01	2.07E+00
1026	490586.72	3861285.12	1.29E+00	1.73E-03	3.06E-01	1.08E-01	1.71E+00	1.71E+00	1.66E+02	3.06E+00	5.51E-01	1.71E+02	1.66E+00	2.10E-03	3.06E-01	1.08E-01	2.07E+00
1027	490636.72	3861285.12	1.29E+00	1.69E-03	3.21E-01	1.06E-01	1.72E+00	1.70E+00	1.62E+02	3.21E+00	5.41E-01	1.68E+02	1.65E+00	2.05E-03	3.21E-01	1.06E-01	2.08E+00
1028	490686.72	3861285.12	1.27E+00	1.66E-03	3.35E-01	1.04E-01	1.71E+00	1.68E+00	1.59E+02	3.35E+00	5.31E-01	1.65E+02	1.63E+00	2.01E-03	3.35E-01	1.04E-01	2.07E+00
1029	490736.72	3861285.12	1.29E+00	1.64E-03	3.46E-01	1.02E-01	1.74E+00	1.70E+00	1.57E+02	3.46E+00	5.21E-01	1.63E+02	1.65E+00	1.99E-03	3.46E-01	1.02E-01	2.10E+00
1030	490786.72	3861285.12	1.29E+00	1.61E-03	3.51E-01	9.97E-02	1.74E+00	1.70E+00	1.55E+02	3.51E+00	5.10E-01	1.61E+02	1.65E+00	1.96E-03	3.51E-01	9.97E-02	2.10E+00
1031	490836.72	3861285.12	1.27E+00	1.59E-03	3.51E-01	9.73E-02	1.72E+00	1.68E+00	1.53E+02	3.51E+00	4.97E-01	1.58E+02	1.63E+00	1.93E-03	3.51E-01	9.73E-02	2.08E+00
1032	490061.24	3859716.13	1.93E+00	1.68E-03	4.27E-01	8.10E-02	2.44E+00	2.55E+00	1.61E+02	4.27E+00	4.14E-01	1.69E+02	2.47E+00	2.04E-03	4.27E-01	8.10E-02	2.98E+00
1033	490111.24	3859716.13	1.89E+00	1.63E-03	4.36E-01	8.20E-02	2.41E+00	2.50E+00	1.56E+02	4.36E+00	4.19E-01	1.64E+02	2.43E+00	1.98E-03	4.36E-01	8.20E-02	2.95E+00

1034	490161.24	3859716.13	1.83E+00	1.57E-03	4.42E-01	8.28E-02	2.36E+00	2.42E+00	1.51E+02	4.42E+00	4.23E-01	1.58E+02	2.35E+00	1.91E-03	4.42E-01	8.28E-02	2.88E+00
1035	490211.24	3859716.13	1.81E+00	1.52E-03	4.45E-01	8.35E-02	2.34E+00	2.40E+00	1.46E+02	4.45E+00	4.27E-01	1.53E+02	2.32E+00	1.84E-03	4.45E-01	8.35E-02	2.86E+00
1036	490061.24	3859766.13	1.91E+00	1.78E-03	4.05E-01	8.00E-02	2.39E+00	2.52E+00	1.70E+02	4.05E+00	4.09E-01	1.77E+02	2.44E+00	2.15E-03	4.05E-01	8.00E-02	2.93E+00
1037	490111.24	3859766.13	1.90E+00	1.70E-03	4.17E-01	8.09E-02	2.39E+00	2.50E+00	1.63E+02	4.17E+00	4.13E-01	1.70E+02	2.43E+00	2.06E-03	4.17E-01	8.09E-02	2.93E+00
1038	490161.24	3859766.13	1.86E+00	1.62E-03	4.25E-01	8.18E-02	2.37E+00	2.46E+00	1.55E+02	4.25E+00	4.18E-01	1.62E+02	2.39E+00	1.96E-03	4.25E-01	8.18E-02	2.90E+00
1039	490211.24	3859766.13	1.81E+00	1.57E-03	4.32E-01	8.25E-02	2.33E+00	2.39E+00	1.50E+02	4.32E+00	4.21E-01	1.58E+02	2.32E+00	1.90E-03	4.32E-01	8.25E-02	2.84E+00
1040	490061.24	3859816.13	1.85E+00	1.89E-03	3.81E-01	9.62E-02	2.33E+00	2.44E+00	1.81E+02	3.81E+00	4.92E-01	1.88E+02	2.37E+00	2.29E-03	3.81E-01	9.62E-02	2.85E+00
1041	490111.24	3859816.13	1.86E+00	1.76E-03	3.94E-01	9.32E-02	2.35E+00	2.46E+00	1.69E+02	3.94E+00	4.76E-01	1.76E+02	2.39E+00	2.13E-03	3.94E-01	9.32E-02	2.88E+00
1042	490161.24	3859816.13	1.86E+00	1.68E-03	4.06E-01	9.05E-02	2.36E+00	2.46E+00	1.61E+02	4.06E+00	4.62E-01	1.68E+02	2.38E+00	2.04E-03	4.06E-01	9.05E-02	2.88E+00
1043	490211.24	3859816.13	1.83E+00	1.63E-03	4.15E-01	8.79E-02	2.34E+00	2.42E+00	1.56E+02	4.15E+00	4.49E-01	1.63E+02	2.35E+00	1.97E-03	4.15E-01	8.79E-02	2.86E+00
1044	490061.24	3859866.13	1.76E+00	1.93E-03	3.58E-01	1.25E-01	2.25E+00	2.33E+00	1.85E+02	3.58E+00	6.41E-01	1.92E+02	2.26E+00	2.34E-03	3.58E-01	1.25E-01	2.75E+00
1045	490111.24	3859866.13	1.81E+00	1.86E-03	3.71E-01	1.21E-01	2.30E+00	2.38E+00	1.79E+02	3.71E+00	6.17E-01	1.85E+02	2.31E+00	2.26E-03	3.71E-01	1.21E-01	2.81E+00
1046	490161.24	3859866.13	1.83E+00	1.79E-03	3.84E-01	1.16E-01	2.33E+00	2.41E+00	1.71E+02	3.84E+00	5.95E-01	1.78E+02	2.34E+00	2.17E-03	3.84E-01	1.16E-01	2.85E+00
1047	490211.24	3859866.13	1.83E+00	1.71E-03	3.96E-01	1.12E-01	2.34E+00	2.41E+00	1.64E+02	3.96E+00	5.73E-01	1.71E+02	2.34E+00	2.07E-03	3.96E-01	1.12E-01	2.85E+00
1048	490061.24	3859916.13	1.72E+00	2.00E-03	3.63E-01	1.50E-01	2.23E+00	2.27E+00	1.92E+02	3.63E+00	7.65E-01	1.99E+02	2.20E+00	2.43E-03	3.63E-01	1.50E-01	2.71E+00
1049	490111.24	3859916.13	1.72E+00	1.94E-03	3.62E-01	1.45E-01	2.23E+00	2.27E+00	1.86E+02	3.62E+00	7.38E-01	1.93E+02	2.20E+00	2.35E-03	3.62E-01	1.45E-01	2.71E+00
1050	490161.24	3859916.13	1.76E+00	1.88E-03	3.61E-01	1.39E-01	2.27E+00	2.33E+00	1.80E+02	3.61E+00	7.12E-01	1.87E+02	2.26E+00	2.27E-03	3.61E-01	1.39E-01	2.76E+00
1051	490211.24	3859916.13	1.79E+00	1.81E-03	3.75E-01	1.34E-01	2.30E+00	2.36E+00	1.73E+02	3.75E+00	6.87E-01	1.80E+02	2.29E+00	2.19E-03	3.75E-01	1.34E-01	2.80E+00
1052	490229.25	3859815.26	1.82E+00	1.61E-03	4.18E-01	8.67E-02	2.33E+00	2.40E+00	1.54E+02	4.18E+00	4.43E-01	1.61E+02	2.33E+00	1.95E-03	4.18E-01	8.67E-02	2.84E+00
1053	490279.25	3859815.26	1.76E+00	1.56E-03	4.24E-01	8.44E-02	2.28E+00	2.33E+00	1.50E+02	4.24E+00	4.31E-01	1.57E+02	2.26E+00	1.89E-03	4.24E-01	8.44E-02	2.77E+00
1054	490329.25	3859815.26	1.74E+00	1.52E-03	4.28E-01	8.23E-02	2.26E+00	2.30E+00	1.45E+02	4.28E+00	4.20E-01	1.52E+02	2.24E+00	1.84E-03	4.28E-01	8.23E-02	2.75E+00
1055	490379.25	3859815.26	1.72E+00	1.47E-03	4.29E-01	8.22E-02	2.23E+00	2.27E+00	1.41E+02	4.29E+00	4.20E-01	1.48E+02	2.20E+00	1.78E-03	4.29E-01	8.22E-02	2.71E+00
1056	490429.25	3859815.26	1.68E+00	1.42E-03	4.30E-01	8.25E-02	2.19E+00	2.22E+00	1.36E+02	4.30E+00	4.21E-01	1.43E+02	2.15E+00	1.72E-03	4.30E-01	8.25E-02	2.66E+00
1057	490229.25	3859865.26	1.82E+00	1.68E-03	4.00E-01	1.10E-01	2.33E+00	2.41E+00	1.61E+02	4.00E+00	5.64E-01	1.68E+02	2.34E+00	2.04E-03	4.00E-01	1.10E-01	2.85E+00
1058	490279.25	3859865.26	1.79E+00	1.61E-03	4.09E-01	1.06E-01	2.31E+00	2.37E+00	1.55E+02	4.09E+00	5.44E-01	1.62E+02	2.30E+00	1.96E-03	4.09E-01	1.06E-01	2.82E+00
1059	490329.25	3859865.26	1.74E+00	1.57E-03	4.15E-01	1.03E-01	2.26E+00	2.30E+00	1.51E+02	4.15E+00	5.25E-01	1.58E+02	2.23E+00	1.90E-03	4.15E-01	1.03E-01	2.75E+00
1060	490379.25	3859865.26	1.72E+00	1.53E-03	4.19E-01	9.93E-02	2.24E+00	2.27E+00	1.47E+02	4.19E+00	5.07E-01	1.54E+02	2.20E+00	1.85E-03	4.19E-01	9.93E-02	2.72E+00
1061	490429.25	3859865.26	1.69E+00	1.48E-03	4.21E-01	9.61E-02	2.21E+00	2.24E+00	1.42E+02	4.21E+00	4.91E-01	1.49E+02	2.17E+00	1.80E-03	4.21E-01	9.61E-02	2.69E+00
1062	490229.25	3859915.26	1.79E+00	1.78E-03	3.79E-01	1.32E-01	2.31E+00	2.37E+00	1.71E+02	3.79E+00	6.76E-01	1.78E+02	2.30E+00	2.16E-03	3.79E-01	1.32E-01	2.81E+00
1063	490279.25	3859915.26	1.79E+00	1.71E-03	3.90E-01	1.28E-01	2.31E+00	2.36E+00	1.64E+02	3.90E+00	6.52E-01	1.71E+02	2.29E+00	2.07E-03	3.90E-01	1.28E-01	2.81E+00
1064	490329.25	3859915.26	1.76E+00	1.64E-03	3.99E-01	1.23E-01	2.29E+00	2.33E+00	1.57E+02	3.99E+00	6.29E-01	1.64E+02	2.26E+00	1.98E-03	3.99E-01	1.23E-01	2.79E+00
1065	490379.25	3859915.26	1.72E+00	1.58E-03	4.06E-01	1.19E-01	2.25E+00	2.27E+00	1.51E+02	4.06E+00	6.07E-01	1.58E+02	2.21E+00	1.91E-03	4.06E-01	1.19E-01	2.73E+00
1066	490429.25	3859915.26	1.69E+00	1.54E-03	4.10E-01	1.15E-01	2.21E+00	2.23E+00	1.47E+02	4.10E+00	5.85E-01	1.54E+02	2.16E+00	1.86E-03	4.10E-01	1.15E-01	2.69E+00
1067	490451.43	3859872.59	1.68E+00	1.47E-03	4.20E-01	9.75E-02	2.20E+00	2.22E+00	1.41E+02	4.20E+00	4.98E-01	1.48E+02	2.15E+00	1.78E-03	4.20E-01	9.75E-02	2.67E+00
1068	490501.43	3859872.59	1.64E+00	1.43E-03	4.20E-01	9.44E-02	2.16E+00	2.17E+00	1.37E+02	4.20E+00	4.82E-01	1.44E+02	2.10E+00	1.73E-03	4.20E-01	9.44E-02	2.62E+00
1069	490551.43	3859872.59	1.62E+00	1.38E-03	4.20E-01	9.17E-02	2.13E+00	2.14E+00	1.32E+02	4.20E+00	4.68E-01	1.39E+02	2.08E+00	1.67E-03	4.20E-01	9.17E-02	2.59E+00
1070	490601.43	3859872.59	1.66E+00	1.36E-03	4.17E-01	8.91E-02	2.16E+00	2.19E+00	1.31E+02	4.17E+00	4.55E-01	1.37E+02	2.12E+00	1.65E-03	4.17E-01	8.91E-02	2.63E+00
1071	490451.43	3859922.59	1.68E+00	1.53E-03	4.10E-01	1.15E-01	2.20E+00	2.22E+00	1.46E+02	4.10E+00	5.89E-01	1.53E+02	2.15E+00	1.85E-03	4.10E-01	1.15E-01	2.68E+00
1072	490501.43	3859922.59	1.66E+00	1.49E-03	4.12E-01	1.11E-01	2.18E+00	2.19E+00	1.42E+02	4.12E+00	5.68E-01	1.49E+02	2.12E+00	1.80E-03	4.12E-01	1.11E-01	2.65E+00
1073	490551.43	3859922.59	1.62E+00	1.44E-03	4.13E-01	1.08E-01	2.15E+00	2.14E+00	1.38E+02	4.13E+00	5.49E-01	1.45E+02	2.08E+00	1.75E-03	4.13E-01	1.08E-01	2.60E+00
1074	490601.43	3859922.59	1.58E+00	1.40E-03	4.13E-01	1.04E-01	2.10E+00	2.09E+00	1.34E+02	4.13E+00	5.32E-01	1.41E+02	2.03E+00	1.70E-03	4.13E-01	1.04E-01	2.54E+00
1075	482129.67	3852241.07	2.68E+00	8.03E-04	1.52E-01	5.60E-02	2.89E+00	3.54E+00	7.70E+01	1.52E+00	2.86E-01	8.23E+01	3.43E+00	9.73E-04	1.52E-01	5.60E-02	3.64E+00
1076	482029.67	3852291.07	2.45E+00	8.63E-04	1.68E-01	5.12E-02	2.67E+00	3.24E+00	8.28E+01	1.68E+00	2.62E-01	8.80E+01	3.14E+00	1.05E-03	1.68E-01	5.12E-02	3.36E+00
1077	482079.67	3852291.07	2.45E+00	8.49E-04	1.63E-01	5.35E-02	2.66E+00	3.23E+00	8.14E+01	1.63E+00	2.73E-01	8.65E+01	3.14E+00	1.03E-03	1.63E-01	5.35E-02	3.35E+00
1078	482129.67	3852291.07	2.61E+00	8.27E-04	1.58E-01	5.56E-02	2.82E+00	3.44E+00	7.93E+01	1.58E+00	2.84E-01	8.47E+01	3.34E+00	1.00E-03	1.58E-01	5.56E-02	3.56E+00
1079	482179.67	3852291.07	2.73E+00	8.10E-04	1.53E-01	5.76E-02	2.94E+00	3.61E+00	7.76E+01	1.53E+00	2.94E-01	8.31E+01	3.50E+00	9.81E-04	1.53E-01	5.76E-02	3.72E+00
1080	482229.67	3852291.07	2.82E+00	7.71E-04	1.48E-01	5.95E-02	3.02E+00	3.72E+00	7.40E+01	1.48E+00	3.04E-01	7.95E+01	3.61E+00	9.34E-04	1.48E-01	5.95E-02	3.82E+00
1081	482029.67	3852341.07	2.56E+00	8.80E-04	1.74E-01	5.07E-02	2.78E+00	3.38E+00	8.44E+01	1.74E+00	2.59E-01	8.98E+01	3.28E+00	1.07E-03	1.74E-01	5.07E-02	3.50E+00
1082	482079.67	3852341.07	2.48E+00	8.68E-04	1.69E-01	5.30E-02	2.71E+00	3.28E+00	8.33E+01	1.69E+00	2.71E-01	8.85E+01	3.19E+00	1.05E-03	1.69E-01	5.30E-02	3.41E+00
1083	482129.67	3852341.07	2.50E+00	8.52E-04	1.65E-01	5.52E-02	2.72E+00	3.30E+00	8.17E+01	1.65E+00	2.82E-01	8.70E+01	3.20E+00	1.03E-03	1.65E-01	5.52E-02	3.42E+00
1084	482179.67	3852341.07	2.66E+00	8.36E-04	1.60E-01	5.73E-02	2.88E+00	3.52E+00	8.02E+01	1.60E+00	2.93E-01	8.56E+01	3.41E+00	1.01E-03	1.60E-01	5.73E-02	3.63E+00
1085	482259.06	3852400.14	2.76E+00	8.59E-04	1.60E-01	6.01E-02	2.99E+00	3.65E+00	8.24E+01	1.60E+00	3.07E-01	8.80E+01	3.54E+00	1.04E-03	1.60E-01	6.01E-02	3.77E+00
1086	482309.06	3852400.14	2.88E+00	7.96E-04	1.55E-01	6.18E-02	3.10E+00	3.81E+00	7.63E+01	1.55E+00	3.16E-01	8.20E+01	3.70E+00	9.64E-04	1.55E-01	6.18E-02	3.91E+00
1087	482209.06	3852450.14	2.55E+00	8.97E-04	1.72E-01	5.79E-02	2.78E+00	3.37E+00	8.60E+01	1.72E+00	2.96E-01	9.14E+01	3.27E+00	1.09E-03	1.72E-01	5.79E-02	3.50E+00
1088	482259.06	3852450.14	2.67E+00	8.84E-04	1.67E-01	5.99E-02	2.90E+00	3.53E+00	8.48E+01	1.67E+00	3.06E-01	9.03E+01	3.43E+00	1.07E-03	1.67E-01	5.99E-02	3.66E+00
1089	482309.06	3852450.14	2.83E+00	8.34E-04	1.62E-01	6.17E-02	3.06E+00	3.74E+00	8.00E+01	1.62E+00	3.15E-01	8.57E+01	3.63E+00	1.01E-03	1.62E-01	6.17E-02	3.86E+00
1090	482209.06	3852500.14	2.64E+00	9.09E-04	1.78E-01	5.75E-02	2.88E+00	3.49E+00	8.72E+01	1.78E+00	2.94E-01	9.28E+01	3.39E+00	1.10E-03	1.78E-01	5.75E-02	3.62E+00
1091	482259.06	3852500.14	2.60E+00	9.04E-04	1.73E-01	5.96E-02	2.83E+00	3.43E+00	8.67E+01	1.73E+00	3.04E-01	9.22E+01	3.33E+00	1.10E-03	1.73E-01	5.96E-02	3.56E+00
1092	482309.06	3852500.14	2.74E+00	8.71E-04	1.68E-01	6.15E-02	2.97E+00	3.62E+00	8.35E+01	1.68E+00	3.14E-01	8.91E+01	3.52E+00	1.05E-03	1.68E-01	6.15E-02	3.75E+00
1093	482283.91	3852513.62	2.61E+00	8.99E-04	1.73E-01	6.05E-02	2.84E+00	3.45E+00	8.62E+01	1.73E+00	3.09E-01	9.17E+01	3.35E+00	1.09E-03	1.73E-01	6.05E-02	3.58E+00
1094	482333.91	3852513.62	2.79E+00	8.58E-04	1.68E-01	6.24E-02	3.03E+00	3.69E+00	8.23E+01	1.68E+00	3.19E-01	8.79E+01	3.58E+00	1.04E-03	1.68E-01	6.24E-02	3.81E+00

1095	482283.91	3852563.62	2.67E+00	9.26E-04	1.79E-01	6.02E-02	2.92E+00	3.53E+00	8.88E+01	1.79E+00	3.08E-01	9.44E+01	3.43E+00	1.12E-03	1.79E-01	6.02E-02	3.67E+00
1096	482333.91	3852563.62	2.67E+00	8.98E-04	1.74E-01	6.22E-02	2.90E+00	3.52E+00	8.61E+01	1.74E+00	3.18E-01	9.17E+01	3.42E+00	1.09E-03	1.74E-01	6.22E-02	3.65E+00
1097	482383.91	3852563.62	2.85E+00	8.52E-04	1.69E-01	6.40E-02	3.08E+00	3.76E+00	8.17E+01	1.69E+00	3.27E-01	8.75E+01	3.65E+00	1.03E-03	1.69E-01	6.40E-02	3.88E+00
1098	482283.91	3852613.62	2.79E+00	9.40E-04	1.86E-01	5.99E-02	3.04E+00	3.69E+00	9.02E+01	1.86E+00	3.06E-01	9.60E+01	3.58E+00	1.14E-03	1.86E-01	5.99E-02	3.83E+00
1099	482333.91	3852613.62	2.72E+00	9.24E-04	1.81E-01	6.20E-02	2.96E+00	3.59E+00	8.86E+01	1.81E+00	3.17E-01	9.43E+01	3.49E+00	1.12E-03	1.81E-01	6.20E-02	3.73E+00
1100	482383.91	3852613.62	2.72E+00	8.89E-04	1.76E-01	6.39E-02	2.96E+00	3.59E+00	8.52E+01	1.76E+00	3.26E-01	9.09E+01	3.49E+00	1.08E-03	1.76E-01	6.39E-02	3.73E+00
1101	482602.38	3852600.87	3.13E+00	7.55E-04	1.51E-01	6.89E-02	3.35E+00	4.13E+00	7.25E+01	1.51E+00	3.52E-01	7.84E+01	4.01E+00	9.15E-04	1.51E-01	6.89E-02	4.23E+00
1102	482652.38	3852600.87	3.05E+00	7.54E-04	1.46E-01	6.94E-02	3.27E+00	4.03E+00	7.23E+01	1.46E+00	3.54E-01	7.81E+01	3.91E+00	9.13E-04	1.46E-01	6.94E-02	4.13E+00
1103	482702.38	3852600.87	2.93E+00	7.17E-04	1.40E-01	6.96E-02	3.14E+00	3.87E+00	6.88E+01	1.40E+00	3.56E-01	7.44E+01	3.76E+00	8.69E-04	1.40E-01	6.96E-02	3.97E+00
1104	482552.38	3852650.87	3.16E+00	7.94E-04	1.64E-01	6.84E-02	3.39E+00	4.17E+00	7.62E+01	1.64E+00	3.49E-01	8.23E+01	4.05E+00	9.62E-04	1.64E-01	6.84E-02	4.28E+00
1105	482602.38	3852650.87	3.20E+00	7.74E-04	1.58E-01	6.92E-02	3.43E+00	4.22E+00	7.42E+01	1.58E+00	3.53E-01	8.04E+01	4.10E+00	9.38E-04	1.58E-01	6.92E-02	4.33E+00
1106	482652.38	3852650.87	3.17E+00	7.76E-04	1.53E-01	6.97E-02	3.39E+00	4.19E+00	7.45E+01	1.53E+00	3.56E-01	8.05E+01	4.06E+00	9.41E-04	1.53E-01	6.97E-02	4.29E+00
1107	482702.38	3852650.87	3.09E+00	7.71E-04	1.47E-01	7.01E-02	3.30E+00	4.08E+00	7.39E+01	1.47E+00	3.58E-01	7.98E+01	3.96E+00	9.34E-04	1.47E-01	7.01E-02	4.17E+00
1108	482552.38	3852700.87	3.12E+00	8.22E-04	1.71E-01	6.85E-02	3.36E+00	4.13E+00	7.89E+01	1.71E+00	3.50E-01	8.51E+01	4.00E+00	9.96E-04	1.71E-01	6.85E-02	4.25E+00
1109	482602.38	3852700.87	3.21E+00	8.01E-04	1.66E-01	6.94E-02	3.45E+00	4.24E+00	7.68E+01	1.66E+00	3.55E-01	8.31E+01	4.12E+00	9.70E-04	1.66E-01	6.94E-02	4.36E+00
1110	482652.38	3852700.87	3.23E+00	8.07E-04	1.60E-01	7.01E-02	3.46E+00	4.26E+00	7.74E+01	1.60E+00	3.58E-01	8.36E+01	4.14E+00	9.78E-04	1.60E-01	7.01E-02	4.37E+00
1111	482702.38	3852700.87	3.20E+00	8.04E-04	1.55E-01	7.05E-02	3.43E+00	4.23E+00	7.71E+01	1.55E+00	3.60E-01	8.32E+01	4.10E+00	9.74E-04	1.55E-01	7.05E-02	4.33E+00
1112	482452.38	3852750.87	2.89E+00	9.08E-04	1.88E-01	6.59E-02	3.14E+00	3.82E+00	8.71E+01	1.88E+00	3.37E-01	9.31E+01	3.70E+00	1.10E-03	1.88E-01	6.59E-02	3.96E+00
1113	482521.29	3852749.74	2.92E+00	8.74E-04	1.81E-01	6.79E-02	3.17E+00	3.85E+00	8.38E+01	1.81E+00	3.47E-01	8.98E+01	3.74E+00	1.06E-03	1.81E-01	6.79E-02	3.99E+00
1114	482571.29	3852749.74	3.10E+00	8.45E-04	1.76E-01	6.91E-02	3.34E+00	4.09E+00	8.10E+01	1.76E+00	3.53E-01	8.72E+01	3.97E+00	1.02E-03	1.76E-01	6.91E-02	4.22E+00
1115	482521.29	3852799.74	2.89E+00	9.01E-04	1.88E-01	6.80E-02	3.15E+00	3.82E+00	8.65E+01	1.88E+00	3.47E-01	9.25E+01	3.71E+00	1.09E-03	1.88E-01	6.80E-02	3.97E+00
1116	482571.29	3852799.74	2.98E+00	8.76E-04	1.83E-01	6.93E-02	3.23E+00	3.93E+00	8.40E+01	1.83E+00	3.54E-01	9.01E+01	3.82E+00	1.06E-03	1.83E-01	6.93E-02	4.07E+00
1117	482621.29	3852799.74	3.16E+00	8.47E-04	1.78E-01	7.02E-02	3.41E+00	4.17E+00	8.12E+01	1.78E+00	3.59E-01	8.75E+01	4.05E+00	1.03E-03	1.78E-01	7.02E-02	4.30E+00
1118	482571.29	3852849.74	2.95E+00	9.01E-04	1.90E-01	6.94E-02	3.21E+00	3.89E+00	8.64E+01	1.90E+00	3.54E-01	9.26E+01	3.78E+00	1.09E-03	1.90E-01	6.94E-02	4.04E+00
1119	482621.29	3852849.74	3.06E+00	8.73E-04	1.85E-01	7.04E-02	3.31E+00	4.04E+00	8.37E+01	1.85E+00	3.60E-01	9.00E+01	3.92E+00	1.06E-03	1.85E-01	7.04E-02	4.18E+00
1120	482577.42	3852901.55	3.09E+00	9.21E-04	1.97E-01	6.96E-02	3.36E+00	4.08E+00	8.83E+01	1.97E+00	3.56E-01	9.47E+01	3.96E+00	1.12E-03	1.97E-01	6.96E-02	4.23E+00
1121	482627.42	3852901.55	3.01E+00	8.95E-04	1.92E-01	7.08E-02	3.27E+00	3.97E+00	8.58E+01	1.92E+00	3.61E-01	9.21E+01	3.85E+00	1.08E-03	1.92E-01	7.08E-02	4.12E+00
1122	482629.96	3852955.85	3.16E+00	9.20E-04	1.99E-01	7.10E-02	3.44E+00	4.18E+00	8.83E+01	1.99E+00	3.63E-01	9.48E+01	4.06E+00	1.12E-03	1.99E-01	7.10E-02	4.33E+00
1123	482679.96	3852955.85	3.07E+00	8.93E-04	1.94E-01	7.19E-02	3.34E+00	4.06E+00	8.57E+01	1.94E+00	3.67E-01	9.20E+01	3.94E+00	1.08E-03	1.94E-01	7.19E-02	4.21E+00
1124	482781.63	3853034.48	3.27E+00	8.70E-04	1.95E-01	7.35E-02	3.54E+00	4.32E+00	8.34E+01	1.95E+00	3.75E-01	9.01E+01	4.19E+00	1.05E-03	1.95E-01	7.35E-02	4.46E+00
1125	482831.63	3853034.48	3.48E+00	8.35E-04	1.90E-01	7.36E-02	3.75E+00	4.60E+00	8.01E+01	1.90E+00	3.76E-01	8.70E+01	4.47E+00	1.01E-03	1.90E-01	7.36E-02	4.73E+00
1126	482881.63	3853034.48	3.63E+00	8.24E-04	1.84E-01	7.35E-02	3.88E+00	4.79E+00	7.90E+01	1.84E+00	3.75E-01	8.60E+01	4.65E+00	9.98E-04	1.84E-01	7.35E-02	4.91E+00
1127	482781.63	3853084.48	3.31E+00	9.00E-04	2.02E-01	7.39E-02	3.58E+00	4.37E+00	8.63E+01	2.02E+00	3.77E-01	9.31E+01	4.24E+00	1.09E-03	2.02E-01	7.39E-02	4.52E+00
1128	482831.63	3853084.48	3.36E+00	8.65E-04	1.97E-01	7.41E-02	3.63E+00	4.44E+00	8.29E+01	1.97E+00	3.78E-01	8.97E+01	4.31E+00	1.05E-03	1.97E-01	7.41E-02	4.58E+00
1129	482881.63	3853084.48	3.57E+00	8.32E-04	1.92E-01	7.40E-02	3.84E+00	4.72E+00	7.98E+01	1.92E+00	3.78E-01	8.68E+01	4.58E+00	1.01E-03	1.92E-01	7.40E-02	4.85E+00
1130	482781.63	3853134.48	3.44E+00	9.30E-04	2.10E-01	7.43E-02	3.72E+00	4.54E+00	8.92E+01	2.10E+00	3.79E-01	9.62E+01	4.41E+00	1.13E-03	2.10E-01	7.43E-02	4.69E+00
1131	482831.63	3853134.48	3.38E+00	8.98E-04	2.05E-01	7.45E-02	3.66E+00	4.46E+00	8.61E+01	2.05E+00	3.81E-01	9.30E+01	4.33E+00	1.09E-03	2.05E-01	7.45E-02	4.61E+00
1132	482881.63	3853134.48	3.44E+00	8.65E-04	1.99E-01	7.45E-02	3.72E+00	4.55E+00	8.29E+01	1.99E+00	3.81E-01	8.98E+01	4.42E+00	1.05E-03	1.99E-01	7.45E-02	4.69E+00
1133	482831.63	3853184.48	3.51E+00	9.29E-04	2.12E-01	7.50E-02	3.80E+00	4.64E+00	8.91E+01	2.12E+00	3.83E-01	9.62E+01	4.50E+00	1.13E-03	2.12E-01	7.50E-02	4.79E+00
1134	482881.63	3853184.48	3.44E+00	8.99E-04	2.07E-01	7.50E-02	3.72E+00	4.54E+00	8.62E+01	2.07E+00	3.83E-01	9.32E+01	4.40E+00	1.09E-03	2.07E-01	7.50E-02	4.69E+00
1135	484154.84	3854250.98	5.12E+00	5.04E-04	2.36E-01	1.58E-01	5.51E+00	6.76E+00	4.84E+01	2.36E+00	8.08E-01	5.83E+01	6.56E+00	6.11E-04	2.36E-01	1.58E-01	6.95E+00
1136	484204.84	3854250.98	4.47E+00	4.86E-04	2.28E-01	1.58E-01	4.85E+00	5.90E+00	4.66E+01	2.28E+00	8.07E-01	5.56E+01	5.73E+00	5.89E-04	2.28E-01	1.58E-01	6.12E+00
1137	484154.84	3854300.98	5.25E+00	5.16E-04	2.47E-01	1.65E-01	5.67E+00	6.94E+00	4.95E+01	2.47E+00	8.42E-01	5.98E+01	6.74E+00	6.25E-04	2.47E-01	1.65E-01	7.15E+00
1138	484204.84	3854300.98	4.78E+00	4.99E-04	2.40E-01	1.65E-01	5.19E+00	6.32E+00	4.78E+01	2.40E+00	8.42E-01	5.74E+01	6.13E+00	6.04E-04	2.40E-01	1.65E-01	6.54E+00
1139	484074.19	3854519.8	5.95E+00	5.85E-04	2.98E-01	1.56E-01	6.41E+00	7.86E+00	5.61E+01	2.98E+00	7.99E-01	6.77E+01	7.63E+00	7.09E-04	2.98E-01	1.56E-01	8.08E+00
1140	484124.19	3854519.8	5.44E+00	5.74E-04	2.94E-01	1.69E-01	5.90E+00	7.18E+00	5.50E+01	2.94E+00	8.63E-01	6.60E+01	6.97E+00	6.95E-04	2.94E-01	1.69E-01	7.43E+00
1141	484074.19	3854569.8	6.80E+00	5.92E-04	3.04E-01	1.56E-01	7.26E+00	8.98E+00	5.68E+01	3.04E+00	7.97E-01	6.96E+01	8.72E+00	7.18E-04	3.04E-01	1.56E-01	9.18E+00
1142	484124.19	3854569.8	5.67E+00	5.83E-04	3.01E-01	1.69E-01	6.14E+00	7.49E+00	5.59E+01	3.01E+00	8.65E-01	6.72E+01	7.26E+00	7.06E-04	3.01E-01	1.69E-01	7.74E+00
1143	485205.11	3855188.89	4.73E+00	3.86E-04	2.87E-01	1.96E-01	5.21E+00	6.25E+00	3.70E+01	2.87E+00	1.00E+00	4.71E+01	6.06E+00	4.68E-04	2.87E-01	1.96E-01	6.55E+00
1144	485255.11	3855188.89	4.15E+00	3.52E-04	2.74E-01	1.81E-01	4.61E+00	5.48E+00	3.37E+01	2.74E+00	9.26E-01	4.29E+01	5.32E+00	4.26E-04	2.74E-01	1.81E-01	5.78E+00
1145	485205.11	3855238.89	5.02E+00	3.87E-04	3.04E-01	1.86E-01	5.51E+00	6.64E+00	3.71E+01	3.04E+00	9.49E-01	4.78E+01	6.44E+00	4.69E-04	3.04E-01	1.86E-01	6.93E+00
1146	485255.11	3855238.89	4.63E+00	3.69E-04	2.92E-01	2.25E-01	5.14E+00	6.11E+00	3.54E+01	2.92E+00	1.15E+00	4.55E+01	5.93E+00	4.47E-04	2.92E-01	2.25E-01	6.45E+00
1147	485205.11	3855288.89	6.09E+00	4.46E-04	3.20E-01	2.42E-01	6.65E+00	8.05E+00	4.27E+01	3.20E+00	1.23E+00	5.52E+01	7.81E+00	5.40E-04	3.20E-01	2.42E-01	8.37E+00
1148	485255.11	3855288.89	5.43E+00	4.18E-04	3.09E-01	2.75E-01	6.01E+00	7.17E+00	4.01E+01	3.09E+00	1.41E+00	5.18E+01	6.96E+00	5.06E-04	3.09E-01	2.75E-01	7.54E+00
1149	485255.11	3855338.89	6.39E+00	4.74E-04	3.26E-01	3.04E-01	7.02E+00	8.45E+00	4.55E+01	3.26E+00	1.56E+00	5.87E+01	8.20E+00	5.74E-04	3.26E-01	3.04E-01	8.83E+00
1150	485305.11	3855338.89	5.66E+00	4.34E-04	3.14E-01	3.10E-01	6.28E+00	7.47E+00	4.16E+01	3.14E+00	1.59E+00	5.39E+01	7.25E+00	5.26E-04	3.14E-01	3.10E-01	7.88E+00
1151	485852.5	3855635.28	3.94E+00	4.31E-04	2.68E-01	1.93E-01	4.40E+00	5.20E+00	4.13E+01	2.68E+00	9.84E-01	5.02E+01	5.05E+00	5.22E-04	2.68E-01	1.93E-01	5.51E+00
1152	485902.5	3855635.28	3.41E+00	4.08E-04	3.31E-01	1.84E-01	3.93E+00	4.51E+00	3.91E+01	3.31E+00	9.40E-01	4.79E+01	4.37E+00	4.94E-04	3.31E-01	1.84E-01	4.89E+00
1153	485852.5	3855685.28	4.44E+00	4.49E-04	2.91E-01	1.99E-01	4.94E+00	5.87E+00	4.30E+01	2.91E+00	1.02E+00	5.28E+01	5.70E+00	5.44E-04	2.91E-01	1.99E-01	6.19E+00
1154	485902.5	3855685.28	3.82E+00	4.16E-04	2.72E-01	2.12E-01	4.31E+00	5.05E+00	3.99E+01	2.72E+00	1.08E+00	4.87E+01	4.90E+00	5.04E-04	2.72E-01	2.12E-01	5.38E+00
1155	485852.5	3855735.28	4.99E+00	4.68E-04	3.15E-01	2.42E-01	5.55E+00	6.59E+00	4.49E+01	3.15E+00	1.24E+00	5.59E+01	6.40E+00	5.67E-04	3.15E-01	2.42E-01	6.96E+00

1156	485902.5	3855735.28	4.38E+00	4.42E-04	2.96E-01	2.47E-01	4.93E+00	5.79E+00	4.24E+01	2.96E+00	1.26E+00	5.24E+01	5.62E+00	5.36E-04	2.96E-01	2.47E-01	6.16E+00
1157	485852.5	3855785.28	5.65E+00	5.01E-04	3.38E-01	2.56E-01	6.25E+00	7.47E+00	4.80E+01	3.38E+00	1.31E+00	6.02E+01	7.25E+00	6.07E-04	3.38E-01	2.56E-01	7.84E+00
1158	485902.5	3855785.28	4.94E+00	4.56E-04	3.20E-01	2.56E-01	5.52E+00	6.53E+00	4.38E+01	3.20E+00	1.31E+00	5.48E+01	6.34E+00	5.53E-04	3.20E-01	2.56E-01	6.91E+00
1159	486809.46	3856465.28	4.59E+00	5.78E-04	4.31E-01	2.25E-01	5.25E+00	6.06E+00	5.54E+01	4.31E+00	1.15E+00	6.70E+01	5.88E+00	7.00E-04	4.31E-01	2.25E-01	6.54E+00
1160	486859.46	3856465.28	4.22E+00	5.79E-04	3.82E-01	2.18E-01	4.83E+00	5.58E+00	5.55E+01	3.82E+00	1.12E+00	6.60E+01	5.42E+00	7.01E-04	3.82E-01	2.18E-01	6.02E+00
1161	486909.46	3856465.28	3.97E+00	5.80E-04	3.06E-01	2.12E-01	4.49E+00	5.24E+00	5.56E+01	3.06E+00	1.08E+00	6.50E+01	5.09E+00	7.02E-04	3.06E-01	2.12E-01	5.61E+00
1162	486809.46	3856515.28	5.13E+00	5.96E-04	4.07E-01	2.30E-01	5.76E+00	6.77E+00	5.72E+01	4.07E+00	1.18E+00	6.92E+01	6.57E+00	7.22E-04	4.07E-01	2.30E-01	7.21E+00
1163	486859.46	3856515.28	4.75E+00	5.97E-04	3.89E-01	2.23E-01	5.36E+00	6.27E+00	5.73E+01	3.89E+00	1.14E+00	6.86E+01	6.08E+00	7.23E-04	3.89E-01	2.23E-01	6.70E+00
1164	486909.46	3856515.28	4.38E+00	5.98E-04	3.37E-01	2.17E-01	4.94E+00	5.79E+00	5.73E+01	3.37E+00	1.11E+00	6.76E+01	5.62E+00	7.24E-04	3.37E-01	2.17E-01	6.17E+00
1165	486980.94	3856357.95	3.13E+00	5.37E-04	3.42E-01	1.76E-01	3.65E+00	4.14E+00	5.15E+01	3.42E+00	9.01E-01	6.00E+01	4.01E+00	6.51E-04	3.42E-01	1.76E-01	4.53E+00
1166	487030.94	3856357.95	3.03E+00	5.38E-04	4.49E-01	1.71E-01	3.65E+00	4.00E+00	5.16E+01	4.49E+00	8.74E-01	6.10E+01	3.89E+00	6.52E-04	4.49E-01	1.71E-01	4.51E+00
1167	486980.94	3856407.95	3.33E+00	5.58E-04	2.82E-01	1.88E-01	3.80E+00	4.39E+00	5.35E+01	2.82E+00	9.58E-01	6.17E+01	4.26E+00	6.76E-04	2.82E-01	1.88E-01	4.73E+00
1168	487030.94	3856407.95	3.19E+00	5.59E-04	3.51E-01	1.81E-01	3.72E+00	4.21E+00	5.36E+01	3.51E+00	9.27E-01	6.23E+01	4.09E+00	6.77E-04	3.51E-01	1.81E-01	4.62E+00
1169	487447.18	3856437.45	2.52E+00	5.77E-04	7.05E-01	1.41E-01	3.37E+00	3.33E+00	5.54E+01	7.05E+00	7.19E-01	6.65E+01	3.24E+00	7.00E-04	7.05E-01	1.41E-01	4.08E+00
1170	487497.18	3856437.45	2.46E+00	5.78E-04	7.28E-01	1.35E-01	3.33E+00	3.25E+00	5.55E+01	7.28E+00	6.91E-01	6.67E+01	3.16E+00	7.01E-04	7.28E-01	1.35E-01	4.02E+00
1171	487547.18	3856437.45	2.41E+00	6.00E-04	7.38E-01	1.30E-01	3.27E+00	3.18E+00	5.76E+01	7.38E+00	6.62E-01	6.88E+01	3.08E+00	7.27E-04	7.38E-01	1.30E-01	3.95E+00
1172	487447.18	3856487.45	2.64E+00	5.95E-04	7.08E-01	1.50E-01	3.50E+00	3.49E+00	5.71E+01	7.08E+00	7.66E-01	6.84E+01	3.39E+00	7.21E-04	7.08E-01	1.50E-01	4.25E+00
1173	487497.18	3856487.45	2.56E+00	5.96E-04	7.36E-01	1.45E-01	3.44E+00	3.38E+00	5.71E+01	7.36E+00	7.39E-01	6.86E+01	3.28E+00	7.22E-04	7.36E-01	1.45E-01	4.17E+00
1174	487547.18	3856487.45	2.49E+00	5.98E-04	7.51E-01	1.39E-01	3.38E+00	3.29E+00	5.73E+01	7.51E+00	7.09E-01	6.89E+01	3.19E+00	7.24E-04	7.51E-01	1.39E-01	4.09E+00
1175	487447.18	3856537.45	2.75E+00	6.10E-04	7.08E-01	1.56E-01	3.62E+00	3.63E+00	5.85E+01	7.08E+00	7.97E-01	7.01E+01	3.53E+00	7.40E-04	7.08E-01	1.56E-01	4.39E+00
1176	487497.18	3856537.45	2.67E+00	6.11E-04	7.41E-01	1.51E-01	3.56E+00	3.52E+00	5.86E+01	7.41E+00	7.70E-01	7.03E+01	3.42E+00	7.40E-04	7.41E-01	1.51E-01	4.31E+00
1177	487547.18	3856537.45	2.59E+00	6.11E-04	7.63E-01	1.45E-01	3.49E+00	3.42E+00	5.86E+01	7.63E+00	7.39E-01	7.04E+01	3.32E+00	7.41E-04	7.63E-01	1.45E-01	4.22E+00
1178	489285.89	3858826.54	2.61E+00	1.57E-03	6.49E-01	8.02E-02	3.34E+00	3.45E+00	1.51E+02	6.49E+00	4.10E-01	1.61E+02	3.35E+00	1.91E-03	6.49E-01	8.02E-02	4.08E+00
1179	489335.89	3858826.54	2.59E+00	1.55E-03	6.41E-01	7.94E-02	3.31E+00	3.42E+00	1.49E+02	6.41E+00	4.06E-01	1.59E+02	3.32E+00	1.88E-03	6.41E-01	7.94E-02	4.04E+00
1180	489385.89	3858826.54	2.53E+00	1.52E-03	6.20E-01	7.67E-02	3.23E+00	3.34E+00	1.46E+02	6.20E+00	3.92E-01	1.56E+02	3.24E+00	1.84E-03	6.20E-01	7.67E-02	3.94E+00
1181	489435.89	3858826.54	2.50E+00	1.50E-03	6.37E-01	7.49E-02	3.22E+00	3.31E+00	1.44E+02	6.37E+00	3.83E-01	1.54E+02	3.21E+00	1.82E-03	6.37E-01	7.49E-02	3.93E+00
1182	489485.89	3858826.54	2.46E+00	1.48E-03	6.44E-01	7.42E-02	3.18E+00	3.25E+00	1.42E+02	6.44E+00	3.79E-01	1.52E+02	3.15E+00	1.79E-03	6.44E-01	7.42E-02	3.88E+00
1183	489535.89	3858826.54	2.39E+00	1.46E-03	6.42E-01	7.44E-02	3.11E+00	3.16E+00	1.40E+02	6.42E+00	3.80E-01	1.50E+02	3.06E+00	1.77E-03	6.42E-01	7.44E-02	3.78E+00
1184	489585.89	3858826.54	2.30E+00	1.44E-03	6.30E-01	7.78E-02	3.00E+00	3.03E+00	1.38E+02	6.30E+00	3.97E-01	1.48E+02	2.94E+00	1.74E-03	6.30E-01	7.78E-02	3.65E+00
1185	489635.89	3858826.54	2.29E+00	1.42E-03	6.12E-01	8.01E-02	2.98E+00	3.02E+00	1.36E+02	6.12E+00	4.09E-01	1.45E+02	2.93E+00	1.71E-03	6.12E-01	8.01E-02	3.63E+00
1186	489685.89	3858826.54	2.28E+00	1.39E-03	5.87E-01	8.12E-02	2.95E+00	3.01E+00	1.34E+02	5.87E+00	4.15E-01	1.43E+02	2.92E+00	1.69E-03	5.87E-01	8.12E-02	3.59E+00
1187	489735.89	3858826.54	2.25E+00	1.37E-03	5.59E-01	8.12E-02	2.89E+00	2.97E+00	1.31E+02	5.59E+00	4.15E-01	1.40E+02	2.88E+00	1.66E-03	5.59E-01	8.12E-02	3.53E+00
1188	489785.89	3858826.54	2.21E+00	1.35E-03	5.27E-01	7.99E-02	2.81E+00	2.91E+00	1.30E+02	5.27E+00	4.08E-01	1.38E+02	2.83E+00	1.64E-03	5.27E-01	7.99E-02	3.44E+00
1189	489835.89	3858826.54	2.19E+00	1.33E-03	4.94E-01	7.75E-02	2.76E+00	2.89E+00	1.27E+02	4.94E+00	3.96E-01	1.36E+02	2.81E+00	1.61E-03	4.94E-01	7.75E-02	3.38E+00
1190	489885.89	3858826.54	2.16E+00	1.31E-03	4.60E-01	7.33E-02	2.69E+00	2.85E+00	1.26E+02	4.60E+00	3.75E-01	1.34E+02	2.77E+00	1.59E-03	4.60E-01	7.33E-02	3.30E+00
1191	489935.89	3858826.54	2.11E+00	1.30E-03	4.57E-01	6.80E-02	2.64E+00	2.79E+00	1.24E+02	4.57E+00	3.47E-01	1.32E+02	2.71E+00	1.57E-03	4.57E-01	6.80E-02	3.23E+00
1192	489985.89	3858826.54	2.08E+00	1.28E-03	4.52E-01	6.16E-02	2.59E+00	2.75E+00	1.22E+02	4.52E+00	3.15E-01	1.30E+02	2.67E+00	1.55E-03	4.52E-01	6.16E-02	3.18E+00
1193	490035.89	3858826.54	2.11E+00	1.25E-03	4.41E-01	5.76E-02	2.61E+00	2.79E+00	1.20E+02	4.41E+00	2.94E-01	1.28E+02	2.71E+00	1.52E-03	4.41E-01	5.76E-02	3.21E+00
1194	489285.89	3858876.54	2.53E+00	1.70E-03	6.37E-01	8.15E-02	3.25E+00	3.34E+00	1.63E+02	6.37E+00	4.17E-01	1.73E+02	3.24E+00	2.06E-03	6.37E-01	8.15E-02	3.96E+00
1195	489335.89	3858876.54	2.55E+00	1.67E-03	6.19E-01	7.82E-02	3.25E+00	3.37E+00	1.60E+02	6.19E+00	4.00E-01	1.70E+02	3.27E+00	2.02E-03	6.19E-01	7.82E-02	3.97E+00
1196	489385.89	3858876.54	2.54E+00	1.64E-03	6.12E-01	7.90E-02	3.23E+00	3.35E+00	1.57E+02	6.12E+00	4.04E-01	1.67E+02	3.26E+00	1.98E-03	6.12E-01	7.90E-02	3.95E+00
1197	489435.89	3858876.54	2.49E+00	1.61E-03	6.08E-01	7.77E-02	3.18E+00	3.29E+00	1.54E+02	6.08E+00	3.97E-01	1.64E+02	3.19E+00	1.95E-03	6.08E-01	7.77E-02	3.88E+00
1198	489485.89	3858876.54	2.45E+00	1.58E-03	6.30E-01	7.50E-02	3.16E+00	3.24E+00	1.51E+02	6.30E+00	3.83E-01	1.61E+02	3.14E+00	1.91E-03	6.30E-01	7.50E-02	3.85E+00
1199	489535.89	3858876.54	2.42E+00	1.55E-03	6.42E-01	7.86E-02	3.14E+00	3.20E+00	1.48E+02	6.42E+00	4.02E-01	1.58E+02	3.11E+00	1.87E-03	6.42E-01	7.86E-02	3.83E+00
1200	489585.89	3858876.54	2.37E+00	1.51E-03	6.45E-01	8.13E-02	3.09E+00	3.13E+00	1.45E+02	6.45E+00	4.15E-01	1.55E+02	3.03E+00	1.83E-03	6.45E-01	8.13E-02	3.76E+00
1201	489635.89	3858876.54	2.28E+00	1.49E-03	6.38E-01	8.24E-02	3.01E+00	3.02E+00	1.43E+02	6.38E+00	4.21E-01	1.52E+02	2.93E+00	1.80E-03	6.38E-01	8.24E-02	3.65E+00
1202	489685.89	3858876.54	2.23E+00	1.46E-03	6.25E-01	8.25E-02	2.94E+00	2.95E+00	1.40E+02	6.25E+00	4.21E-01	1.49E+02	2.86E+00	1.77E-03	6.25E-01	8.25E-02	3.57E+00
1203	489735.89	3858876.54	2.24E+00	1.43E-03	6.05E-01	8.15E-02	2.92E+00	2.95E+00	1.37E+02	6.05E+00	4.16E-01	1.46E+02	2.87E+00	1.73E-03	6.05E-01	8.15E-02	3.56E+00
1204	489785.89	3858876.54	2.22E+00	1.40E-03	5.80E-01	7.90E-02	2.88E+00	2.93E+00	1.35E+02	5.80E+00	4.04E-01	1.44E+02	2.84E+00	1.70E-03	5.80E-01	7.90E-02	3.50E+00
1205	489835.89	3858876.54	2.18E+00	1.38E-03	5.52E-01	7.51E-02	2.81E+00	2.88E+00	1.32E+02	5.52E+00	3.84E-01	1.41E+02	2.79E+00	1.67E-03	5.52E-01	7.51E-02	3.42E+00
1206	489885.89	3858876.54	2.15E+00	1.36E-03	5.21E-01	6.95E-02	2.74E+00	2.84E+00	1.30E+02	5.21E+00	3.55E-01	1.39E+02	2.75E+00	1.65E-03	5.21E-01	6.95E-02	3.35E+00
1207	489935.89	3858876.54	2.13E+00	1.33E-03	4.89E-01	6.32E-02	2.68E+00	2.81E+00	1.28E+02	4.89E+00	3.23E-01	1.36E+02	2.73E+00	1.61E-03	4.89E-01	6.32E-02	3.28E+00
1208	489985.89	3858876.54	2.09E+00	1.30E-03	4.66E-01	5.71E-02	2.62E+00	2.76E+00	1.25E+02	4.66E+00	2.91E-01	1.33E+02	2.68E+00	1.58E-03	4.66E-01	5.71E-02	3.21E+00
1209	490035.89	3858876.54	2.04E+00	1.28E-03	4.57E-01	5.55E-02	2.56E+00	2.70E+00	1.23E+02	4.57E+00	2.84E-01	1.30E+02	2.62E+00	1.55E-03	4.57E-01	5.55E-02	3.13E+00
1210	489285.89	3858926.54	2.51E+00	1.80E-03	6.37E-01	8.48E-02	3.23E+00	3.32E+00	1.73E+02	6.37E+00	4.33E-01	1.83E+02	3.22E+00	2.18E-03	6.37E-01	8.48E-02	3.94E+00
1211	489335.89	3858926.54	2.45E+00	1.76E-03	6.28E-01	8.26E-02	3.16E+00	3.24E+00	1.69E+02	6.28E+00	4.22E-01	1.79E+02	3.14E+00	2.13E-03	6.28E-01	8.26E-02	3.86E+00
1212	489385.89	3858926.54	2.49E+00	1.71E-03	6.12E-01	7.72E-02	3.18E+00	3.29E+00	1.64E+02	6.12E+00	3.94E-01	1.74E+02	3.19E+00	2.07E-03	6.12E-01	7.72E-02	3.88E+00
1213	489435.89	3858926.54	2.49E+00	1.67E-03	5.91E-01	7.55E-02	3.16E+00	3.29E+00	1.60E+02	5.91E+00	3.86E-01	1.70E+02	3.19E+00	2.03E-03	5.91E-01	7.55E-02	3.86E+00
1214	489485.89	3858926.54	2.45E+00	1.64E-03	5.93E-01	7.94E-02	3.13E+00	3.24E+00	1.57E+02	5.93E+00	4.06E-01	1.66E+02	3.15E+00	1.98E-03	5.93E-01	7.94E-02	3.82E+00
1215	489535.89	3858926.54	2.40E+00	1.60E-03	6.18E-01	8.22E-02	3.10E+00	3.17E+00	1.54E+02	6.18E+00	4.20E-01	1.63E+02	3.08E+00	1.94E-03	6.18E-01	8.22E-02	3.78E+00
1216	489585.89	3858926.54	2.38E+00	1.57E-03	6.34E-01	8.36E-02	3.10E+00	3.15E+00	1.50E+02	6.34E+00	4.27E-01	1.60E+02	3.05E+00	1.90E-03	6.34E-01	8.36E-02	3.77E+00

1217	489635.89	3858926.54	2.34E+00	1.53E-03	6.42E-01	8.38E-02	3.06E+00	3.09E+00	1.47E+02	6.42E+00	4.28E-01	1.57E+02	3.00E+00	1.86E-03	6.42E-01	8.38E-02	3.72E+00
1218	489685.89	3858926.54	2.27E+00	1.50E-03	6.41E-01	8.29E-02	2.99E+00	3.00E+00	1.44E+02	6.41E+00	4.24E-01	1.54E+02	2.91E+00	1.82E-03	6.41E-01	8.29E-02	3.63E+00
1219	489735.89	3858926.54	2.18E+00	1.47E-03	6.32E-01	8.05E-02	2.89E+00	2.88E+00	1.41E+02	6.32E+00	4.11E-01	1.51E+02	2.79E+00	1.79E-03	6.32E-01	8.05E-02	3.50E+00
1220	489785.89	3858926.54	2.18E+00	1.45E-03	6.17E-01	7.65E-02	2.88E+00	2.89E+00	1.39E+02	6.17E+00	3.91E-01	1.49E+02	2.80E+00	1.76E-03	6.17E-01	7.65E-02	3.50E+00
1221	489835.89	3858926.54	2.18E+00	1.42E-03	5.96E-01	7.12E-02	2.85E+00	2.88E+00	1.36E+02	5.96E+00	3.64E-01	1.45E+02	2.79E+00	1.72E-03	5.96E-01	7.12E-02	3.46E+00
1222	489885.89	3858926.54	2.15E+00	1.40E-03	5.71E-01	6.46E-02	2.79E+00	2.84E+00	1.34E+02	5.71E+00	3.30E-01	1.43E+02	2.75E+00	1.69E-03	5.71E-01	6.46E-02	3.39E+00
1223	489935.89	3858926.54	2.10E+00	1.37E-03	5.43E-01	5.92E-02	2.71E+00	2.78E+00	1.32E+02	5.43E+00	3.02E-01	1.40E+02	2.70E+00	1.66E-03	5.43E-01	5.92E-02	3.30E+00
1224	489985.89	3858926.54	2.09E+00	1.34E-03	5.13E-01	5.78E-02	2.67E+00	2.77E+00	1.29E+02	5.13E+00	2.95E-01	1.37E+02	2.68E+00	1.62E-03	5.13E-01	5.78E-02	3.26E+00
1225	490035.89	3858926.54	2.07E+00	1.30E-03	4.82E-01	5.76E-02	2.61E+00	2.74E+00	1.25E+02	4.82E+00	2.94E-01	1.33E+02	2.65E+00	1.58E-03	4.82E-01	5.76E-02	3.20E+00
1226	489335.89	3858976.54	2.47E+00	1.82E-03	6.23E-01	7.16E-02	3.17E+00	3.26E+00	1.75E+02	6.23E+00	3.66E-01	1.85E+02	3.17E+00	2.21E-03	6.23E-01	7.16E-02	3.86E+00
1227	489385.89	3858976.54	2.39E+00	1.77E-03	6.17E-01	7.60E-02	3.08E+00	3.16E+00	1.70E+02	6.17E+00	3.88E-01	1.79E+02	3.06E+00	2.14E-03	6.17E-01	7.60E-02	3.76E+00
1228	489435.89	3858976.54	2.42E+00	1.73E-03	6.04E-01	8.00E-02	3.11E+00	3.20E+00	1.66E+02	6.04E+00	4.09E-01	1.75E+02	3.11E+00	2.09E-03	6.04E-01	8.00E-02	3.79E+00
1229	489485.89	3858976.54	2.43E+00	1.68E-03	5.85E-01	8.31E-02	3.11E+00	3.22E+00	1.62E+02	5.85E+00	4.25E-01	1.71E+02	3.12E+00	2.04E-03	5.85E-01	8.31E-02	3.79E+00
1230	489535.89	3858976.54	2.41E+00	1.64E-03	5.75E-01	8.48E-02	3.08E+00	3.19E+00	1.57E+02	5.75E+00	4.33E-01	1.67E+02	3.10E+00	1.99E-03	5.75E-01	8.48E-02	3.76E+00
1231	489585.89	3858976.54	2.36E+00	1.61E-03	6.03E-01	8.49E-02	3.05E+00	3.12E+00	1.54E+02	6.03E+00	4.34E-01	1.64E+02	3.03E+00	1.94E-03	6.03E-01	8.49E-02	3.71E+00
1232	489635.89	3858976.54	2.34E+00	1.57E-03	6.23E-01	8.41E-02	3.05E+00	3.09E+00	1.50E+02	6.23E+00	4.30E-01	1.60E+02	3.00E+00	1.90E-03	6.23E-01	8.41E-02	3.71E+00
1233	489685.89	3858976.54	2.31E+00	1.53E-03	6.34E-01	8.20E-02	3.02E+00	3.05E+00	1.47E+02	6.34E+00	4.19E-01	1.57E+02	2.96E+00	1.85E-03	6.34E-01	8.20E-02	3.67E+00
1234	489735.89	3858976.54	2.25E+00	1.50E-03	6.38E-01	7.81E-02	2.96E+00	2.97E+00	1.44E+02	6.38E+00	3.99E-01	1.54E+02	2.88E+00	1.82E-03	6.38E-01	7.81E-02	3.60E+00
1235	489785.89	3858976.54	2.17E+00	1.47E-03	6.33E-01	7.26E-02	2.87E+00	2.86E+00	1.41E+02	6.33E+00	3.71E-01	1.51E+02	2.78E+00	1.79E-03	6.33E-01	7.26E-02	3.48E+00
1236	489835.89	3858976.54	2.13E+00	1.45E-03	6.23E-01	6.60E-02	2.82E+00	2.81E+00	1.39E+02	6.23E+00	3.37E-01	1.48E+02	2.73E+00	1.75E-03	6.23E-01	6.60E-02	3.42E+00
1237	489885.89	3858976.54	2.14E+00	1.41E-03	6.07E-01	5.90E-02	2.80E+00	2.82E+00	1.35E+02	6.07E+00	3.02E-01	1.45E+02	2.74E+00	1.71E-03	6.07E-01	5.90E-02	3.40E+00
1238	489935.89	3858976.54	2.12E+00	1.38E-03	5.85E-01	5.79E-02	2.76E+00	2.80E+00	1.32E+02	5.85E+00	2.96E-01	1.41E+02	2.72E+00	1.67E-03	5.85E-01	5.79E-02	3.36E+00
1239	489985.89	3858976.54	2.08E+00	1.35E-03	5.61E-01	5.86E-02	2.70E+00	2.75E+00	1.30E+02	5.61E+00	2.99E-01	1.38E+02	2.67E+00	1.64E-03	5.61E-01	5.86E-02	3.29E+00
1240	490035.89	3858976.54	2.07E+00	1.28E-03	5.32E-01	6.15E-02	2.66E+00	2.73E+00	1.23E+02	5.32E+00	3.14E-01	1.31E+02	2.65E+00	1.55E-03	5.32E-01	6.15E-02	3.24E+00
1241	489385.89	3859026.54	2.43E+00	1.79E-03	6.10E-01	8.08E-02	3.12E+00	3.21E+00	1.72E+02	6.10E+00	4.13E-01	1.82E+02	3.11E+00	2.17E-03	6.10E-01	8.08E-02	3.81E+00
1242	489435.89	3859026.54	2.36E+00	1.74E-03	6.05E-01	8.41E-02	3.05E+00	3.11E+00	1.67E+02	6.05E+00	4.29E-01	1.76E+02	3.02E+00	2.11E-03	6.05E-01	8.41E-02	3.71E+00
1243	489485.89	3859026.54	2.36E+00	1.69E-03	5.95E-01	8.58E-02	3.04E+00	3.12E+00	1.62E+02	5.95E+00	4.38E-01	1.72E+02	3.02E+00	2.05E-03	5.95E-01	8.58E-02	3.71E+00
1244	489535.89	3859026.54	2.38E+00	1.66E-03	5.80E-01	8.61E-02	3.05E+00	3.15E+00	1.59E+02	5.80E+00	4.40E-01	1.68E+02	3.05E+00	2.01E-03	5.80E-01	8.61E-02	3.72E+00
1245	489585.89	3859026.54	2.37E+00	1.61E-03	5.60E-01	8.54E-02	3.02E+00	3.13E+00	1.55E+02	5.60E+00	4.36E-01	1.64E+02	3.04E+00	1.95E-03	5.60E-01	8.54E-02	3.69E+00
1246	489635.89	3859026.54	2.33E+00	1.58E-03	5.84E-01	8.32E-02	3.00E+00	3.08E+00	1.52E+02	5.84E+00	4.25E-01	1.61E+02	2.99E+00	1.91E-03	5.84E-01	8.32E-02	3.66E+00
1247	489685.89	3859026.54	2.29E+00	1.55E-03	6.07E-01	7.95E-02	2.98E+00	3.03E+00	1.48E+02	6.07E+00	4.06E-01	1.58E+02	2.94E+00	1.88E-03	6.07E-01	7.95E-02	3.63E+00
1248	489735.89	3859026.54	2.27E+00	1.52E-03	6.22E-01	7.42E-02	2.97E+00	3.00E+00	1.46E+02	6.22E+00	3.79E-01	1.56E+02	2.91E+00	1.84E-03	6.22E-01	7.42E-02	3.61E+00
1249	489785.89	3859026.54	2.22E+00	1.50E-03	6.30E-01	6.75E-02	2.92E+00	2.93E+00	1.43E+02	6.30E+00	3.45E-01	1.53E+02	2.85E+00	1.81E-03	6.30E-01	6.75E-02	3.54E+00
1250	489835.89	3859026.54	2.15E+00	1.46E-03	6.31E-01	6.00E-02	2.85E+00	2.84E+00	1.40E+02	6.31E+00	3.06E-01	1.49E+02	2.76E+00	1.77E-03	6.31E-01	6.00E-02	3.45E+00
1251	489885.89	3859026.54	2.08E+00	1.43E-03	6.24E-01	5.86E-02	2.76E+00	2.74E+00	1.37E+02	6.24E+00	2.99E-01	1.46E+02	2.66E+00	1.73E-03	6.24E-01	5.86E-02	3.35E+00
1252	489935.89	3859026.54	2.09E+00	1.39E-03	6.12E-01	6.04E-02	2.76E+00	2.76E+00	1.34E+02	6.12E+00	3.08E-01	1.43E+02	2.68E+00	1.69E-03	6.12E-01	6.04E-02	3.36E+00
1253	489985.89	3859026.54	2.09E+00	1.36E-03	5.95E-01	6.18E-02	2.74E+00	2.76E+00	1.30E+02	5.95E+00	3.16E-01	1.39E+02	2.67E+00	1.65E-03	5.95E-01	6.18E-02	3.33E+00
1254	490035.89	3859026.54	2.08E+00	1.26E-03	5.73E-01	6.47E-02	2.71E+00	2.74E+00	1.21E+02	5.73E+00	3.30E-01	1.30E+02	2.66E+00	1.53E-03	5.73E-01	6.47E-02	3.30E+00
1255	489485.89	3859076.54	2.33E+00	1.81E-03	5.94E-01	8.71E-02	3.01E+00	3.07E+00	1.74E+02	5.94E+00	4.45E-01	1.83E+02	2.98E+00	2.19E-03	5.94E-01	8.71E-02	3.66E+00
1256	489535.89	3859076.54	2.29E+00	1.76E-03	5.86E-01	8.65E-02	2.97E+00	3.03E+00	1.69E+02	5.86E+00	4.42E-01	1.78E+02	2.94E+00	2.13E-03	5.86E-01	8.65E-02	3.62E+00
1257	489585.89	3859076.54	2.33E+00	1.71E-03	5.73E-01	8.46E-02	2.99E+00	3.07E+00	1.64E+02	5.73E+00	4.32E-01	1.73E+02	2.98E+00	2.07E-03	5.73E-01	8.46E-02	3.64E+00
1258	489635.89	3859076.54	2.32E+00	1.67E-03	5.55E-01	8.09E-02	2.96E+00	3.07E+00	1.60E+02	5.55E+00	4.13E-01	1.69E+02	2.98E+00	2.02E-03	5.55E-01	8.09E-02	3.62E+00
1259	489685.89	3859076.54	2.29E+00	1.63E-03	5.64E-01	7.57E-02	2.93E+00	3.03E+00	1.56E+02	5.64E+00	3.87E-01	1.66E+02	2.94E+00	1.98E-03	5.64E-01	7.57E-02	3.58E+00
1260	489735.89	3859076.54	2.24E+00	1.59E-03	5.89E-01	6.90E-02	2.90E+00	2.96E+00	1.53E+02	5.89E+00	3.52E-01	1.62E+02	2.87E+00	1.93E-03	5.89E-01	6.90E-02	3.53E+00
1261	489785.89	3859076.54	2.23E+00	1.56E-03	6.07E-01	6.11E-02	2.90E+00	2.94E+00	1.49E+02	6.07E+00	3.12E-01	1.59E+02	2.85E+00	1.88E-03	6.07E-01	6.11E-02	3.53E+00
1262	489835.89	3859076.54	2.19E+00	1.52E-03	6.19E-01	6.03E-02	2.87E+00	2.90E+00	1.45E+02	6.19E+00	3.08E-01	1.55E+02	2.81E+00	1.84E-03	6.19E-01	6.03E-02	3.49E+00
1263	489885.89	3859076.54	2.14E+00	1.48E-03	6.24E-01	6.21E-02	2.82E+00	2.82E+00	1.42E+02	6.24E+00	3.17E-01	1.51E+02	2.74E+00	1.79E-03	6.24E-01	6.21E-02	3.43E+00
1264	489935.89	3859076.54	2.06E+00	1.44E-03	6.22E-01	6.34E-02	2.75E+00	2.72E+00	1.38E+02	6.22E+00	3.24E-01	1.47E+02	2.64E+00	1.74E-03	6.22E-01	6.34E-02	3.33E+00
1265	489985.89	3859076.54	2.04E+00	1.40E-03	6.13E-01	6.45E-02	2.72E+00	2.70E+00	1.34E+02	6.13E+00	3.30E-01	1.43E+02	2.62E+00	1.70E-03	6.13E-01	6.45E-02	3.30E+00
1266	490035.89	3859076.54	2.06E+00	1.33E-03	5.99E-01	6.67E-02	2.73E+00	2.72E+00	1.27E+02	5.99E+00	3.40E-01	1.36E+02	2.64E+00	1.61E-03	5.99E-01	6.67E-02	3.31E+00
1267	489585.89	3859126.54	2.23E+00	1.79E-03	5.76E-01	8.23E-02	2.89E+00	2.94E+00	1.71E+02	5.76E+00	4.20E-01	1.80E+02	2.86E+00	2.16E-03	5.76E-01	8.23E-02	3.52E+00
1268	489635.89	3859126.54	2.27E+00	1.75E-03	5.64E-01	7.72E-02	2.91E+00	2.99E+00	1.68E+02	5.64E+00	3.94E-01	1.77E+02	2.91E+00	2.12E-03	5.64E-01	7.72E-02	3.55E+00
1269	489685.89	3859126.54	2.28E+00	1.71E-03	5.49E-01	7.05E-02	2.90E+00	3.01E+00	1.64E+02	5.49E+00	3.60E-01	1.73E+02	2.92E+00	2.07E-03	5.49E-01	7.05E-02	3.54E+00
1270	489735.89	3859126.54	2.26E+00	1.67E-03	5.42E-01	6.24E-02	2.86E+00	2.98E+00	1.60E+02	5.42E+00	3.19E-01	1.69E+02	2.89E+00	2.03E-03	5.42E-01	6.24E-02	3.50E+00
1271	489785.89	3859126.54	2.21E+00	1.64E-03	5.69E-01	6.23E-02	2.84E+00	2.92E+00	1.57E+02	5.69E+00	3.18E-01	1.66E+02	2.83E+00	1.98E-03	5.69E-01	6.23E-02	3.46E+00
1272	489835.89	3859126.54	2.19E+00	1.60E-03	5.90E-01	6.41E-02	2.84E+00	2.89E+00	1.53E+02	5.90E+00	3.27E-01	1.62E+02	2.80E+00	1.94E-03	5.90E-01	6.41E-02	3.46E+00
1273	489885.89	3859126.54	2.16E+00	1.56E-03	6.05E-01	6.54E-02	2.84E+00	2.86E+00	1.49E+02	6.05E+00	3.34E-01	1.59E+02	2.77E+00	1.89E-03	6.05E-01	6.54E-02	3.45E+00
1274	489935.89	3859126.54	2.12E+00	1.52E-03	6.14E-01	6.61E-02	2.80E+00	2.80E+00	1.46E+02	6.14E+00	3.37E-01	1.55E+02	2.71E+00	1.85E-03	6.14E-01	6.61E-02	3.39E+00
1275	489985.89	3859126.54	2.06E+00	1.47E-03	6.15E-01	6.71E-02	2.74E+00	2.72E+00	1.41E+02	6.15E+00	3.43E-01	1.50E+02	2.64E+00	1.78E-03	6.15E-01	6.71E-02	3.32E+00
1276	490035.89	3859126.54	2.00E+00	1.42E-03	6.10E-01	6.82E-02	2.68E+00	2.64E+00	1.36E+02	6.10E+00	3.48E-01	1.45E+02	2.57E+00	1.72E-03	6.10E-01	6.82E-02	3.25E+00
1277	489585.89	3859176.54	2.26E+00	1.82E-03	5.70E-01	7.89E-02	2.91E+00	2.98E+00	1.74E+02	5.70E+00	4.03E-01	1.83E+02	2.90E+00	2.20E-03	5.70E-01	7.89E-02	3.55E+00

1278	489635.89	3859176.54	2.19E+00	1.78E-03	5.65E-01	7.22E-02	2.83E+00	2.89E+00	1.71E+02	5.65E+00	3.69E-01	1.80E+02	2.80E+00	2.16E-03	5.65E-01	7.22E-02	3.44E+00
1279	489685.89	3859176.54	2.21E+00	1.75E-03	5.55E-01	6.37E-02	2.83E+00	2.92E+00	1.68E+02	5.55E+00	3.26E-01	1.77E+02	2.83E+00	2.12E-03	5.55E-01	6.37E-02	3.45E+00
1280	489735.89	3859176.54	2.22E+00	1.72E-03	5.42E-01	6.47E-02	2.83E+00	2.94E+00	1.65E+02	5.42E+00	3.30E-01	1.74E+02	2.85E+00	2.08E-03	5.42E-01	6.47E-02	3.46E+00
1281	489785.89	3859176.54	2.22E+00	1.68E-03	5.26E-01	6.63E-02	2.81E+00	2.93E+00	1.61E+02	5.26E+00	3.39E-01	1.70E+02	2.84E+00	2.04E-03	5.26E-01	6.63E-02	3.43E+00
1282	489835.89	3859176.54	2.18E+00	1.65E-03	5.48E-01	6.71E-02	2.80E+00	2.88E+00	1.58E+02	5.48E+00	3.43E-01	1.67E+02	2.80E+00	1.99E-03	5.48E-01	6.71E-02	3.41E+00
1283	489885.89	3859176.54	2.14E+00	1.61E-03	5.72E-01	6.76E-02	2.79E+00	2.83E+00	1.54E+02	5.72E+00	3.46E-01	1.63E+02	2.75E+00	1.95E-03	5.72E-01	6.76E-02	3.39E+00
1284	489935.89	3859176.54	2.13E+00	1.58E-03	5.89E-01	6.77E-02	2.79E+00	2.81E+00	1.51E+02	5.89E+00	3.46E-01	1.60E+02	2.73E+00	1.91E-03	5.89E-01	6.77E-02	3.39E+00
1285	489985.89	3859176.54	2.10E+00	1.53E-03	6.01E-01	6.94E-02	2.77E+00	2.77E+00	1.46E+02	6.01E+00	3.54E-01	1.55E+02	2.69E+00	1.85E-03	6.01E-01	6.94E-02	3.36E+00
1286	490035.89	3859176.54	2.04E+00	1.50E-03	6.06E-01	7.04E-02	2.72E+00	2.70E+00	1.43E+02	6.06E+00	3.60E-01	1.53E+02	2.62E+00	1.81E-03	6.06E-01	7.04E-02	3.30E+00
1287	489685.89	3859226.54	2.16E+00	1.78E-03	5.54E-01	6.75E-02	2.78E+00	2.85E+00	1.70E+02	5.54E+00	3.45E-01	1.79E+02	2.77E+00	2.15E-03	5.54E-01	6.75E-02	3.39E+00
1288	489735.89	3859226.54	2.15E+00	1.76E-03	5.46E-01	6.84E-02	2.76E+00	2.84E+00	1.68E+02	5.46E+00	3.49E-01	1.77E+02	2.75E+00	2.13E-03	5.46E-01	6.84E-02	3.37E+00
1289	489785.89	3859226.54	2.17E+00	1.72E-03	5.35E-01	6.88E-02	2.78E+00	2.87E+00	1.65E+02	5.35E+00	3.51E-01	1.73E+02	2.79E+00	2.08E-03	5.35E-01	6.88E-02	3.39E+00
1290	489835.89	3859226.54	2.18E+00	1.67E-03	5.21E-01	6.89E-02	2.77E+00	2.88E+00	1.60E+02	5.21E+00	3.52E-01	1.69E+02	2.79E+00	2.03E-03	5.21E-01	6.89E-02	3.38E+00
1291	489885.89	3859226.54	2.15E+00	1.64E-03	5.27E-01	6.97E-02	2.75E+00	2.84E+00	1.57E+02	5.27E+00	3.56E-01	1.65E+02	2.76E+00	1.98E-03	5.27E-01	6.97E-02	3.36E+00
1292	489935.89	3859226.54	2.10E+00	1.60E-03	5.52E-01	7.10E-02	2.73E+00	2.78E+00	1.53E+02	5.52E+00	3.63E-01	1.62E+02	2.70E+00	1.93E-03	5.52E-01	7.10E-02	3.32E+00
1293	489985.89	3859226.54	2.10E+00	1.54E-03	5.72E-01	7.30E-02	2.75E+00	2.78E+00	1.48E+02	5.72E+00	3.73E-01	1.56E+02	2.70E+00	1.86E-03	5.72E-01	7.30E-02	3.34E+00
1294	490035.89	3859226.54	2.07E+00	1.52E-03	5.86E-01	7.35E-02	2.73E+00	2.74E+00	1.45E+02	5.86E+00	3.76E-01	1.54E+02	2.66E+00	1.84E-03	5.86E-01	7.35E-02	3.32E+00
1295	489735.89	3859276.54	2.13E+00	1.77E-03	5.43E-01	7.02E-02	2.75E+00	2.81E+00	1.70E+02	5.43E+00	3.58E-01	1.79E+02	2.73E+00	2.15E-03	5.43E-01	7.02E-02	3.35E+00
1296	489785.89	3859276.54	2.09E+00	1.74E-03	5.37E-01	7.05E-02	2.70E+00	2.76E+00	1.67E+02	5.37E+00	3.60E-01	1.76E+02	2.68E+00	2.11E-03	5.37E-01	7.05E-02	3.29E+00
1297	489835.89	3859276.54	2.13E+00	1.70E-03	5.28E-01	7.20E-02	2.73E+00	2.81E+00	1.63E+02	5.28E+00	3.68E-01	1.71E+02	2.73E+00	2.06E-03	5.28E-01	7.20E-02	3.33E+00
1298	489885.89	3859276.54	2.14E+00	1.67E-03	5.16E-01	7.30E-02	2.73E+00	2.82E+00	1.60E+02	5.16E+00	3.73E-01	1.68E+02	2.74E+00	2.02E-03	5.16E-01	7.30E-02	3.33E+00
1299	489935.89	3859276.54	2.12E+00	1.62E-03	5.06E-01	7.41E-02	2.70E+00	2.80E+00	1.56E+02	5.06E+00	3.79E-01	1.64E+02	2.72E+00	1.96E-03	5.06E-01	7.41E-02	3.30E+00
1300	489985.89	3859276.54	2.09E+00	1.54E-03	5.32E-01	7.57E-02	2.70E+00	2.76E+00	1.48E+02	5.32E+00	3.87E-01	1.56E+02	2.68E+00	1.87E-03	5.32E-01	7.57E-02	3.29E+00
1301	490035.89	3859276.54	2.06E+00	1.54E-03	5.53E-01	7.50E-02	2.69E+00	2.72E+00	1.48E+02	5.53E+00	3.83E-01	1.56E+02	2.64E+00	1.87E-03	5.53E-01	7.50E-02	3.27E+00
1302	490458.06	3859590.74	1.80E+00	1.40E-03	4.69E-01	8.55E-02	2.36E+00	2.38E+00	1.35E+02	4.69E+00	4.37E-01	1.42E+02	2.31E+00	1.70E-03	4.69E-01	8.55E-02	2.87E+00
1303	490508.06	3859590.74	1.80E+00	1.37E-03	4.88E-01	8.57E-02	2.37E+00	2.37E+00	1.32E+02	4.88E+00	4.38E-01	1.39E+02	2.30E+00	1.66E-03	4.88E-01	8.57E-02	2.88E+00
1304	490558.06	3859590.74	1.78E+00	1.34E-03	5.04E-01	8.56E-02	2.37E+00	2.35E+00	1.29E+02	5.04E+00	4.37E-01	1.37E+02	2.28E+00	1.63E-03	5.04E-01	8.56E-02	2.87E+00
1305	490608.06	3859590.74	1.74E+00	1.31E-03	5.14E-01	8.52E-02	2.34E+00	2.30E+00	1.25E+02	5.14E+00	4.35E-01	1.33E+02	2.23E+00	1.58E-03	5.14E-01	8.52E-02	2.83E+00
1306	490658.06	3859590.74	1.69E+00	1.26E-03	5.21E-01	8.48E-02	2.30E+00	2.23E+00	1.21E+02	5.21E+00	4.33E-01	1.29E+02	2.17E+00	1.53E-03	5.21E-01	8.48E-02	2.78E+00
1307	490708.06	3859590.74	1.66E+00	1.22E-03	5.25E-01	8.43E-02	2.27E+00	2.19E+00	1.17E+02	5.25E+00	4.31E-01	1.25E+02	2.13E+00	1.48E-03	5.25E-01	8.43E-02	2.74E+00
1308	490758.06	3859590.74	1.68E+00	1.17E-03	5.25E-01	8.38E-02	2.29E+00	2.22E+00	1.12E+02	5.25E+00	4.28E-01	1.20E+02	2.15E+00	1.41E-03	5.25E-01	8.38E-02	2.76E+00
1309	490808.06	3859590.74	1.68E+00	1.12E-03	5.22E-01	8.34E-02	2.29E+00	2.22E+00	1.08E+02	5.22E+00	4.26E-01	1.16E+02	2.16E+00	1.36E-03	5.22E-01	8.34E-02	2.77E+00
1310	490858.06	3859590.74	1.68E+00	1.08E-03	5.17E-01	8.30E-02	2.28E+00	2.21E+00	1.04E+02	5.17E+00	4.24E-01	1.11E+02	2.15E+00	1.31E-03	5.17E-01	8.30E-02	2.75E+00
1311	490458.06	3859640.74	1.80E+00	1.40E-03	4.28E-01	8.61E-02	2.31E+00	2.37E+00	1.34E+02	4.28E+00	4.40E-01	1.41E+02	2.30E+00	1.69E-03	4.28E-01	8.61E-02	2.82E+00
1312	490508.06	3859640.74	1.77E+00	1.37E-03	4.50E-01	8.64E-02	2.30E+00	2.33E+00	1.31E+02	4.50E+00	4.41E-01	1.38E+02	2.26E+00	1.66E-03	4.50E-01	8.64E-02	2.80E+00
1313	490558.06	3859640.74	1.77E+00	1.34E-03	4.70E-01	8.64E-02	2.32E+00	2.33E+00	1.28E+02	4.70E+00	4.41E-01	1.36E+02	2.26E+00	1.62E-03	4.70E-01	8.64E-02	2.82E+00
1314	490608.06	3859640.74	1.75E+00	1.31E-03	4.87E-01	8.60E-02	2.33E+00	2.32E+00	1.25E+02	4.87E+00	4.39E-01	1.33E+02	2.25E+00	1.58E-03	4.87E-01	8.60E-02	2.82E+00
1315	490658.06	3859640.74	1.73E+00	1.27E-03	5.00E-01	8.54E-02	2.31E+00	2.28E+00	1.22E+02	5.00E+00	4.36E-01	1.29E+02	2.21E+00	1.54E-03	5.00E-01	8.54E-02	2.80E+00
1316	490708.06	3859640.74	1.68E+00	1.23E-03	5.08E-01	8.49E-02	2.28E+00	2.22E+00	1.18E+02	5.08E+00	4.34E-01	1.26E+02	2.16E+00	1.49E-03	5.08E-01	8.49E-02	2.75E+00
1317	490758.06	3859640.74	1.63E+00	1.19E-03	5.13E-01	8.43E-02	2.23E+00	2.15E+00	1.14E+02	5.13E+00	4.31E-01	1.22E+02	2.09E+00	1.44E-03	5.13E-01	8.43E-02	2.69E+00
1318	490808.06	3859640.74	1.64E+00	1.16E-03	5.16E-01	8.39E-02	2.24E+00	2.17E+00	1.11E+02	5.16E+00	4.29E-01	1.19E+02	2.10E+00	1.40E-03	5.16E-01	8.39E-02	2.71E+00
1319	490858.06	3859640.74	1.65E+00	1.13E-03	5.16E-01	8.35E-02	2.25E+00	2.18E+00	1.08E+02	5.16E+00	4.27E-01	1.16E+02	2.12E+00	1.36E-03	5.16E-01	8.35E-02	2.72E+00
1320	490608.06	3859690.74	1.74E+00	1.34E-03	4.53E-01	8.60E-02	2.28E+00	2.30E+00	1.28E+02	4.53E+00	4.39E-01	1.35E+02	2.23E+00	1.62E-03	4.53E-01	8.60E-02	2.77E+00
1321	490658.06	3859690.74	1.73E+00	1.30E-03	4.71E-01	8.54E-02	2.29E+00	2.29E+00	1.25E+02	4.71E+00	4.36E-01	1.32E+02	2.22E+00	1.58E-03	4.71E-01	8.54E-02	2.78E+00
1322	490708.06	3859690.74	1.71E+00	1.27E-03	4.85E-01	8.49E-02	2.28E+00	2.26E+00	1.22E+02	4.85E+00	4.33E-01	1.29E+02	2.19E+00	1.54E-03	4.85E-01	8.49E-02	2.76E+00
1323	490758.06	3859690.74	1.68E+00	1.23E-03	4.94E-01	8.43E-02	2.25E+00	2.21E+00	1.18E+02	4.94E+00	4.30E-01	1.26E+02	2.15E+00	1.49E-03	4.94E-01	8.43E-02	2.73E+00
1324	490808.06	3859690.74	1.63E+00	1.20E-03	5.01E-01	8.37E-02	2.21E+00	2.15E+00	1.15E+02	5.01E+00	4.28E-01	1.23E+02	2.08E+00	1.45E-03	5.01E-01	8.37E-02	2.67E+00
1325	490858.06	3859690.74	1.60E+00	1.18E-03	5.06E-01	8.35E-02	2.19E+00	2.11E+00	1.13E+02	5.06E+00	4.26E-01	1.21E+02	2.05E+00	1.43E-03	5.06E-01	8.35E-02	2.64E+00
1326	490708.06	3859740.74	1.71E+00	1.30E-03	4.55E-01	8.42E-02	2.25E+00	2.26E+00	1.25E+02	4.55E+00	4.30E-01	1.32E+02	2.19E+00	1.58E-03	4.55E-01	8.42E-02	2.73E+00
1327	490758.06	3859740.74	1.69E+00	1.28E-03	4.70E-01	8.38E-02	2.24E+00	2.23E+00	1.23E+02	4.70E+00	4.28E-01	1.30E+02	2.16E+00	1.55E-03	4.70E-01	8.38E-02	2.72E+00
1328	490808.06	3859740.74	1.66E+00	1.25E-03	4.81E-01	8.33E-02	2.22E+00	2.19E+00	1.20E+02	4.81E+00	4.26E-01	1.27E+02	2.12E+00	1.52E-03	4.81E-01	8.33E-02	2.69E+00
1329	490858.06	3859740.74	1.61E+00	1.23E-03	4.90E-01	8.29E-02	2.19E+00	2.13E+00	1.18E+02	4.90E+00	4.23E-01	1.25E+02	2.07E+00	1.49E-03	4.90E-01	8.29E-02	2.64E+00
1330	490786.56	3859749.39	1.67E+00	1.27E-03	4.72E-01	8.34E-02	2.23E+00	2.21E+00	1.22E+02	4.72E+00	4.26E-01	1.29E+02	2.15E+00	1.54E-03	4.72E-01	8.34E-02	2.70E+00
1331	490836.56	3859749.39	1.64E+00	1.24E-03	4.82E-01	8.29E-02	2.20E+00	2.16E+00	1.19E+02	4.82E+00	4.24E-01	1.27E+02	2.10E+00	1.51E-03	4.82E-01	8.29E-02	2.67E+00
1332	490786.56	3859799.39	1.67E+00	1.29E-03	4.40E-01	8.21E-02	2.19E+00	2.20E+00	1.24E+02	4.40E+00	4.19E-01	1.31E+02	2.14E+00	1.57E-03	4.40E-01	8.21E-02	2.66E+00
1333	490836.56	3859799.39	1.65E+00	1.27E-03	4.56E-01	8.16E-02	2.19E+00	2.18E+00	1.22E+02	4.56E+00	4.17E-01	1.29E+02	2.12E+00	1.54E-03	4.56E-01	8.16E-02	2.66E+00
1334	492307.84	3854508.36	4.62E-01	2.73E-04	9.42E-01	8.39E-02	1.49E+00	6.10E-01	2.61E+01	9.42E+00	4.29E-01	3.66E+01	5.92E-01	3.30E-04	9.42E-01	8.39E-02	1.62E+00
1335	486445.7	3854753.6	7.44E-01	3.58E-04	1.11E+00	2.30E-01	2.08E+00	9.83E-01	3.44E+01	1.11E+01	1.18E+00	4.76E+01	9.54E-01	4.34E-04	1.11E+00	2.30E-01	2.29E+00
1336	472599.75	3877830.11	1.44E-01	1.19E-04	7.91E-02	2.42E-02	2.47E-01	1.90E-01	1.14E+01	7.91E-01	1.23E-01	1.25E+01	1.84E-01	1.44E-04	7.91E-02	2.42E-02	2.88E-01
1337	493107.48	3866840.19	6.79E-01	4.11E-04	1.84E-01	3.09E-01	1.17E+00	8.96E-01	3.94E+01	1.84E+00	1.58E+00	4.38E+01	8.70E-01	4.98E-04	1.84E-01	3.09E-01	1.36E+00
1338	495815.8	3861662.87	7.30E-01	5.87E-04	2.40E-01	4.70E-02	1.02E+00	9.65E-01	5.63E+01	2.40E+00	2.40E-01	5.99E+01	9.36E-01	7.11E-04	2.40E-01	4.70E-02	1.22E+00

1339	480272.33	3841389.2	2.21E-01	1.36E-04	5.46E-02	2.98E-02	3.05E-01	2.91E-01	1.31E+01	5.46E-01	1.52E-01	1.41E+01	2.83E-01	1.65E-04	5.46E-02	2.98E-02	3.67E-01
1340	497005.18	3862813.64	6.29E-01	5.96E-04	1.95E-01	4.88E-02	8.74E-01	8.31E-01	5.71E+01	1.95E+00	2.49E-01	6.02E+01	8.07E-01	7.22E-04	1.95E-01	4.88E-02	1.05E+00
1341	493677.33	3860302.55	1.13E+00	7.49E-04	4.14E-01	5.08E-02	1.59E+00	1.49E+00	7.18E+01	4.14E+00	2.59E-01	7.77E+01	1.44E+00	9.08E-04	4.14E-01	5.08E-02	1.91E+00
1342	493727.33	3860302.55	1.11E+00	7.44E-04	4.13E-01	5.09E-02	1.57E+00	1.47E+00	7.13E+01	4.13E+00	2.60E-01	7.72E+01	1.42E+00	9.01E-04	4.13E-01	5.09E-02	1.89E+00
1343	493777.33	3860302.55	1.11E+00	7.39E-04	4.11E-01	5.09E-02	1.57E+00	1.46E+00	7.09E+01	4.11E+00	2.60E-01	7.67E+01	1.42E+00	8.95E-04	4.11E-01	5.09E-02	1.88E+00
1344	493827.33	3860302.55	1.10E+00	7.34E-04	4.07E-01	5.08E-02	1.56E+00	1.46E+00	7.04E+01	4.07E+00	2.60E-01	7.62E+01	1.41E+00	8.89E-04	4.07E-01	5.08E-02	1.87E+00
1345	493877.33	3860302.55	1.10E+00	7.30E-04	4.03E-01	5.08E-02	1.55E+00	1.45E+00	7.00E+01	4.03E+00	2.59E-01	7.57E+01	1.41E+00	8.84E-04	4.03E-01	5.08E-02	1.86E+00
1346	493927.33	3860302.55	1.09E+00	7.26E-04	4.00E-01	5.07E-02	1.54E+00	1.44E+00	6.96E+01	4.00E+00	2.59E-01	7.53E+01	1.39E+00	8.79E-04	4.00E-01	5.07E-02	1.85E+00
1347	493977.33	3860302.55	1.08E+00	7.17E-04	3.88E-01	5.02E-02	1.52E+00	1.43E+00	6.88E+01	3.88E+00	2.56E-01	7.43E+01	1.38E+00	8.69E-04	3.88E-01	5.02E-02	1.82E+00
1348	494027.33	3860302.55	1.07E+00	7.10E-04	3.79E-01	4.98E-02	1.50E+00	1.41E+00	6.81E+01	3.79E+00	2.54E-01	7.35E+01	1.37E+00	8.60E-04	3.79E-01	4.98E-02	1.80E+00
1349	493677.33	3860352.55	1.13E+00	7.69E-04	4.07E-01	5.04E-02	1.59E+00	1.50E+00	7.37E+01	4.07E+00	2.57E-01	7.95E+01	1.45E+00	9.31E-04	4.07E-01	5.04E-02	1.91E+00
1350	493727.33	3860352.55	1.12E+00	7.60E-04	4.10E-01	5.07E-02	1.58E+00	1.48E+00	7.28E+01	4.10E+00	2.59E-01	7.87E+01	1.44E+00	9.20E-04	4.10E-01	5.07E-02	1.90E+00
1351	493777.33	3860352.55	1.11E+00	7.50E-04	4.12E-01	5.09E-02	1.57E+00	1.46E+00	7.20E+01	4.12E+00	2.60E-01	7.78E+01	1.42E+00	9.09E-04	4.12E-01	5.09E-02	1.88E+00
1352	493827.33	3860352.55	1.09E+00	7.41E-04	4.14E-01	5.10E-02	1.55E+00	1.44E+00	7.11E+01	4.14E+00	2.60E-01	7.69E+01	1.40E+00	8.98E-04	4.14E-01	5.10E-02	1.86E+00
1353	493877.33	3860352.55	1.09E+00	7.32E-04	4.14E-01	5.10E-02	1.55E+00	1.44E+00	7.02E+01	4.14E+00	2.60E-01	7.60E+01	1.39E+00	8.87E-04	4.14E-01	5.10E-02	1.86E+00
1354	493927.33	3860352.55	1.09E+00	7.25E-04	4.10E-01	5.08E-02	1.55E+00	1.43E+00	6.95E+01	4.10E+00	2.59E-01	7.53E+01	1.39E+00	8.78E-04	4.10E-01	5.08E-02	1.85E+00
1355	493977.33	3860352.55	1.08E+00	7.19E-04	4.02E-01	5.05E-02	1.54E+00	1.43E+00	6.90E+01	4.02E+00	2.58E-01	7.47E+01	1.39E+00	8.71E-04	4.02E-01	5.05E-02	1.84E+00
1356	494027.33	3860352.55	1.07E+00	7.15E-04	3.98E-01	5.04E-02	1.52E+00	1.42E+00	6.86E+01	3.98E+00	2.58E-01	7.43E+01	1.38E+00	8.67E-04	3.98E-01	5.04E-02	1.83E+00
1357	493677.33	3860402.55	1.13E+00	7.78E-04	3.76E-01	5.00E-02	1.55E+00	1.49E+00	7.46E+01	3.76E+00	2.56E-01	8.02E+01	1.44E+00	9.43E-04	3.76E-01	5.00E-02	1.87E+00
1358	493727.33	3860402.55	1.12E+00	7.71E-04	3.82E-01	5.04E-02	1.55E+00	1.48E+00	7.39E+01	3.82E+00	2.57E-01	7.95E+01	1.43E+00	9.34E-04	3.82E-01	5.04E-02	1.87E+00
1359	493777.33	3860402.55	1.11E+00	7.65E-04	3.97E-01	5.04E-02	1.56E+00	1.47E+00	7.34E+01	3.97E+00	2.57E-01	7.91E+01	1.43E+00	9.27E-04	3.97E-01	5.04E-02	1.88E+00
1360	493827.33	3860402.55	1.10E+00	7.56E-04	3.96E-01	5.08E-02	1.55E+00	1.45E+00	7.25E+01	3.96E+00	2.59E-01	7.82E+01	1.41E+00	9.16E-04	3.96E-01	5.08E-02	1.86E+00
1361	493877.33	3860402.55	1.08E+00	7.48E-04	3.99E-01	5.10E-02	1.54E+00	1.43E+00	7.17E+01	3.99E+00	2.60E-01	7.74E+01	1.39E+00	9.06E-04	3.99E-01	5.10E-02	1.84E+00
1362	493927.33	3860402.55	1.07E+00	7.41E-04	4.10E-01	5.08E-02	1.53E+00	1.42E+00	7.11E+01	4.10E+00	2.60E-01	7.69E+01	1.37E+00	8.98E-04	4.10E-01	5.08E-02	1.84E+00
1363	493977.33	3860402.55	1.07E+00	7.34E-04	4.10E-01	5.06E-02	1.54E+00	1.42E+00	7.04E+01	4.10E+00	2.58E-01	7.61E+01	1.38E+00	8.89E-04	4.10E-01	5.06E-02	1.84E+00
1364	494027.33	3860402.55	1.07E+00	7.25E-04	4.10E-01	5.06E-02	1.53E+00	1.41E+00	6.95E+01	4.10E+00	2.59E-01	7.53E+01	1.37E+00	8.78E-04	4.10E-01	5.06E-02	1.83E+00
1365	493677.33	3860452.55	1.11E+00	7.83E-04	3.47E-01	4.99E-02	1.51E+00	1.47E+00	7.51E+01	3.47E+00	2.55E-01	8.03E+01	1.42E+00	9.48E-04	3.47E-01	4.99E-02	1.82E+00
1366	493727.33	3860452.55	1.11E+00	7.74E-04	3.49E-01	4.99E-02	1.51E+00	1.46E+00	7.43E+01	3.49E+00	2.55E-01	7.95E+01	1.42E+00	9.38E-04	3.49E-01	4.99E-02	1.82E+00
1367	493777.33	3860452.55	1.10E+00	7.68E-04	3.57E-01	5.03E-02	1.51E+00	1.46E+00	7.37E+01	3.57E+00	2.57E-01	7.90E+01	1.41E+00	9.31E-04	3.57E-01	5.03E-02	1.82E+00
1368	493827.33	3860452.55	1.10E+00	7.64E-04	3.70E-01	5.05E-02	1.52E+00	1.45E+00	7.33E+01	3.70E+00	2.58E-01	7.87E+01	1.41E+00	9.26E-04	3.70E-01	5.05E-02	1.83E+00
1369	493877.33	3860452.55	1.09E+00	7.59E-04	3.80E-01	5.06E-02	1.52E+00	1.44E+00	7.27E+01	3.80E+00	2.58E-01	7.82E+01	1.40E+00	9.19E-04	3.80E-01	5.06E-02	1.83E+00
1370	493927.33	3860452.55	1.08E+00	7.53E-04	3.97E-01	5.04E-02	1.53E+00	1.43E+00	7.23E+01	3.97E+00	2.57E-01	7.79E+01	1.39E+00	9.13E-04	3.97E-01	5.04E-02	1.84E+00
1371	493977.33	3860452.55	1.07E+00	7.46E-04	4.02E-01	5.05E-02	1.52E+00	1.41E+00	7.16E+01	4.02E+00	2.58E-01	7.73E+01	1.37E+00	9.04E-04	4.02E-01	5.05E-02	1.83E+00
1372	494027.33	3860452.55	1.05E+00	7.39E-04	4.04E-01	5.07E-02	1.51E+00	1.39E+00	7.09E+01	4.04E+00	2.59E-01	7.66E+01	1.35E+00	8.95E-04	4.04E-01	5.07E-02	1.81E+00
1373	493677.33	3860502.55	1.08E+00	7.78E-04	3.13E-01	5.05E-02	1.45E+00	1.43E+00	7.46E+01	3.13E+00	2.58E-01	7.94E+01	1.39E+00	9.43E-04	3.13E-01	5.05E-02	1.75E+00
1374	493727.33	3860502.55	1.08E+00	7.71E-04	3.20E-01	5.03E-02	1.46E+00	1.43E+00	7.40E+01	3.20E+00	2.57E-01	7.89E+01	1.39E+00	9.34E-04	3.20E-01	5.03E-02	1.76E+00
1375	493777.33	3860502.55	1.09E+00	7.67E-04	3.30E-01	5.01E-02	1.47E+00	1.44E+00	7.35E+01	3.30E+00	2.56E-01	7.85E+01	1.39E+00	9.29E-04	3.30E-01	5.01E-02	1.77E+00
1376	493827.33	3860502.55	1.09E+00	7.62E-04	3.39E-01	4.98E-02	1.48E+00	1.44E+00	7.31E+01	3.39E+00	2.54E-01	7.82E+01	1.39E+00	9.23E-04	3.39E-01	4.98E-02	1.78E+00
1377	493877.33	3860502.55	1.09E+00	7.60E-04	3.52E-01	5.00E-02	1.49E+00	1.44E+00	7.29E+01	3.52E+00	2.56E-01	7.81E+01	1.39E+00	9.21E-04	3.52E-01	5.00E-02	1.80E+00
1378	493927.33	3860502.55	1.08E+00	7.58E-04	3.68E-01	5.01E-02	1.50E+00	1.43E+00	7.27E+01	3.68E+00	2.56E-01	7.81E+01	1.39E+00	9.18E-04	3.68E-01	5.01E-02	1.81E+00
1379	493977.33	3860502.55	1.07E+00	7.52E-04	3.73E-01	5.04E-02	1.50E+00	1.42E+00	7.21E+01	3.73E+00	2.58E-01	7.75E+01	1.38E+00	9.11E-04	3.73E-01	5.04E-02	1.80E+00
1380	494027.33	3860502.55	1.06E+00	7.46E-04	3.80E-01	5.06E-02	1.49E+00	1.41E+00	7.16E+01	3.80E+00	2.58E-01	7.70E+01	1.36E+00	9.04E-04	3.80E-01	5.06E-02	1.80E+00
1381	493627.33	3860552.55	1.08E+00	7.67E-04	3.20E-01	5.13E-02	1.46E+00	1.43E+00	7.36E+01	3.20E+00	2.62E-01	7.85E+01	1.39E+00	9.30E-04	3.20E-01	5.13E-02	1.76E+00
1382	493677.33	3860552.55	1.06E+00	7.49E-04	3.13E-01	5.11E-02	1.42E+00	1.39E+00	7.18E+01	3.13E+00	2.61E-01	7.66E+01	1.35E+00	9.07E-04	3.13E-01	5.11E-02	1.72E+00
1383	493727.33	3860552.55	1.05E+00	7.46E-04	3.06E-01	5.09E-02	1.41E+00	1.39E+00	7.15E+01	3.06E+00	2.60E-01	7.62E+01	1.35E+00	9.04E-04	3.06E-01	5.09E-02	1.70E+00
1384	493777.33	3860552.55	1.06E+00	7.42E-04	3.00E-01	5.06E-02	1.41E+00	1.40E+00	7.12E+01	3.00E+00	2.59E-01	7.59E+01	1.36E+00	8.99E-04	3.00E-01	5.06E-02	1.71E+00
1385	493827.33	3860552.55	1.07E+00	7.55E-04	3.12E-01	5.03E-02	1.43E+00	1.41E+00	7.24E+01	3.12E+00	2.57E-01	7.72E+01	1.37E+00	9.15E-04	3.12E-01	5.03E-02	1.73E+00
1386	493877.33	3860552.55	1.07E+00	7.51E-04	3.20E-01	5.01E-02	1.44E+00	1.41E+00	7.20E+01	3.20E+00	2.56E-01	7.69E+01	1.37E+00	9.09E-04	3.20E-01	5.01E-02	1.74E+00
1387	493927.33	3860552.55	1.07E+00	7.50E-04	3.33E-01	4.99E-02	1.46E+00	1.42E+00	7.19E+01	3.33E+00	2.55E-01	7.69E+01	1.37E+00	9.09E-04	3.33E-01	4.99E-02	1.76E+00
1388	493977.33	3860552.55	1.07E+00	7.50E-04	3.47E-01	4.98E-02	1.47E+00	1.41E+00	7.19E+01	3.47E+00	2.54E-01	7.70E+01	1.37E+00	9.08E-04	3.47E-01	4.98E-02	1.77E+00
1389	494027.33	3860552.55	1.06E+00	7.45E-04	3.53E-01	5.01E-02	1.47E+00	1.41E+00	7.14E+01	3.53E+00	2.56E-01	7.66E+01	1.36E+00	9.02E-04	3.53E-01	5.01E-02	1.77E+00
1390	493627.33	3860602.55	1.10E+00	7.47E-04	3.25E-01	5.16E-02	1.48E+00	1.46E+00	7.16E+01	3.25E+00	2.64E-01	7.66E+01	1.42E+00	9.04E-04	3.25E-01	5.16E-02	1.79E+00
1391	493727.33	3860602.55	1.05E+00	7.36E-04	3.13E-01	5.13E-02	1.42E+00	1.39E+00	7.06E+01	3.13E+00	2.62E-01	7.54E+01	1.35E+00	8.91E-04	3.13E-01	5.13E-02	1.71E+00
1392	493777.33	3860602.55	1.03E+00	7.34E-04	3.09E-01	5.10E-02	1.39E+00	1.36E+00	7.03E+01	3.09E+00	2.61E-01	7.51E+01	1.32E+00	8.89E-04	3.09E-01	5.10E-02	1.68E+00
1393	493827.33	3860602.55	1.03E+00	7.31E-04	3.03E-01	5.08E-02	1.39E+00	1.37E+00	7.01E+01	3.03E+00	2.60E-01	7.48E+01	1.33E+00	8.86E-04	3.03E-01	5.08E-02	1.68E+00
1394	493877.33	3860602.55	1.05E+00	7.28E-04	2.97E-01	5.05E-02	1.39E+00	1.38E+00	6.98E+01	2.97E+00	2.58E-01	7.45E+01	1.34E+00	8.82E-04	2.97E-01	5.05E-02	1.69E+00
1395	493927.33	3860602.55	1.05E+00	7.25E-04	3.04E-01	5.03E-02	1.41E+00	1.39E+00	6.95E+01	3.04E+00	2.57E-01	7.42E+01	1.35E+00	8.78E-04	3.04E-01	5.03E-02	1.70E+00
1396	493977.33	3860602.55	1.06E+00	7.39E-04	3.17E-01	5.01E-02	1.42E+00	1.39E+00	7.08E+01	3.17E+00	2.56E-01	7.57E+01	1.35E+00	8.95E-04	3.17E-01	5.01E-02	1.72E+00
1397	494027.33	3860602.55	1.05E+00	7.18E-04	3.24E-01	4.99E-02	1.43E+00	1.39E+00	6.89E+01	3.24E+00	2.55E-01	7.38E+01	1.35E+00	8.70E-04	3.24E-01	4.99E-02	1.73E+00
1398	493627.33	3860652.55	1.11E+00	7.60E-04	3.27E-01	5.18E-02	1.49E+00	1.47E+00	7.29E+01	3.27E+00	2.65E-01	7.79E+01	1.43E+00	9.21E-04	3.27E-01	5.18E-02	1.81E+00
1399	493727.33	3860652.55	1.07E+00	7.43E-04	3.18E-01	5.14E-02	1.44E+00	1.42E+00	7.13E+01	3.18E+00	2.62E-01	7.62E+01	1.38E+00	9.01E-04	3.18E-01	5.14E-02	1.75E+00

1400	493777.33	3860652.55	1.05E+00	7.35E-04	3.14E-01	5.13E-02	1.42E+00	1.39E+00	7.05E+01	3.14E+00	2.62E-01	7.53E+01	1.35E+00	8.90E-04	3.14E-01	5.13E-02	1.72E+00
1401	493827.33	3860652.55	1.03E+00	7.27E-04	3.10E-01	5.11E-02	1.40E+00	1.37E+00	6.97E+01	3.10E+00	2.61E-01	7.44E+01	1.32E+00	8.80E-04	3.10E-01	5.11E-02	1.69E+00
1402	493877.33	3860652.55	1.01E+00	7.20E-04	3.06E-01	5.08E-02	1.37E+00	1.34E+00	6.90E+01	3.06E+00	2.60E-01	7.37E+01	1.30E+00	8.72E-04	3.06E-01	5.08E-02	1.65E+00
1403	493927.33	3860652.55	1.02E+00	7.15E-04	3.00E-01	5.06E-02	1.37E+00	1.35E+00	6.86E+01	3.00E+00	2.59E-01	7.32E+01	1.31E+00	8.67E-04	3.00E-01	5.06E-02	1.66E+00
1404	493977.33	3860652.55	1.03E+00	7.13E-04	2.94E-01	5.04E-02	1.38E+00	1.36E+00	6.84E+01	2.94E+00	2.58E-01	7.30E+01	1.32E+00	8.64E-04	2.94E-01	5.04E-02	1.67E+00
1405	494027.33	3860652.55	1.04E+00	7.11E-04	2.99E-01	5.02E-02	1.39E+00	1.37E+00	6.82E+01	2.99E+00	2.56E-01	7.28E+01	1.33E+00	8.61E-04	2.99E-01	5.02E-02	1.68E+00
1406	494311.06	3858401.99	4.58E-01	3.30E-04	3.05E-01	4.33E-02	8.07E-01	6.05E-01	3.16E+01	3.05E+00	2.21E-01	3.55E+01	5.87E-01	4.00E-04	3.05E-01	4.33E-02	9.36E-01
1407	494361.06	3858401.99	4.64E-01	3.31E-04	3.05E-01	4.34E-02	8.12E-01	6.13E-01	3.17E+01	3.05E+00	2.22E-01	3.56E+01	5.95E-01	4.01E-04	3.05E-01	4.34E-02	9.43E-01
1408	494411.06	3858401.99	4.70E-01	3.31E-04	3.04E-01	4.36E-02	8.18E-01	6.21E-01	3.18E+01	3.04E+00	2.23E-01	3.57E+01	6.02E-01	4.01E-04	3.04E-01	4.36E-02	9.50E-01
1409	494461.06	3858401.99	4.76E-01	3.32E-04	3.03E-01	4.37E-02	8.23E-01	6.28E-01	3.18E+01	3.03E+00	2.23E-01	3.57E+01	6.10E-01	4.02E-04	3.03E-01	4.37E-02	9.57E-01
1410	494511.06	3858401.99	4.82E-01	3.33E-04	3.02E-01	4.38E-02	8.28E-01	6.36E-01	3.19E+01	3.02E+00	2.24E-01	3.58E+01	6.17E-01	4.03E-04	3.02E-01	4.38E-02	9.64E-01
1411	494561.06	3858401.99	4.87E-01	3.33E-04	3.01E-01	4.39E-02	8.32E-01	6.43E-01	3.20E+01	3.01E+00	2.24E-01	3.59E+01	6.24E-01	4.04E-04	3.01E-01	4.39E-02	9.70E-01
1412	494611.06	3858401.99	4.92E-01	3.34E-04	3.01E-01	4.40E-02	8.37E-01	6.50E-01	3.21E+01	3.01E+00	2.25E-01	3.59E+01	6.31E-01	4.05E-04	3.01E-01	4.40E-02	9.76E-01
1413	494661.06	3858401.99	3.26E-01	3.35E-04	3.00E-01	4.42E-02	6.71E-01	4.31E-01	3.21E+01	3.00E+00	2.26E-01	3.58E+01	4.18E-01	4.06E-04	3.00E-01	4.42E-02	7.63E-01
1414	494711.06	3858401.99	3.27E-01	3.36E-04	2.99E-01	4.43E-02	6.71E-01	4.31E-01	3.22E+01	2.99E+00	2.26E-01	3.58E+01	4.19E-01	4.06E-04	2.99E-01	4.43E-02	7.63E-01
1415	494761.06	3858401.99	3.27E-01	3.36E-04	2.98E-01	4.44E-02	6.70E-01	4.32E-01	3.22E+01	2.98E+00	2.27E-01	3.59E+01	4.19E-01	4.07E-04	2.98E-01	4.44E-02	7.62E-01
1416	494811.06	3858401.99	3.27E-01	3.37E-04	2.98E-01	4.45E-02	6.70E-01	4.32E-01	3.23E+01	2.98E+00	2.27E-01	3.59E+01	4.19E-01	4.08E-04	2.98E-01	4.45E-02	7.62E-01
1417	494861.06	3858401.99	3.27E-01	3.37E-04	2.97E-01	4.46E-02	6.69E-01	4.32E-01	3.24E+01	2.97E+00	2.28E-01	3.60E+01	4.19E-01	4.09E-04	2.97E-01	4.46E-02	7.61E-01
1418	494911.06	3858401.99	3.27E-01	3.38E-04	2.96E-01	4.48E-02	6.69E-01	4.32E-01	3.24E+01	2.96E+00	2.29E-01	3.60E+01	4.20E-01	4.10E-04	2.96E-01	4.48E-02	7.61E-01
1419	494961.06	3858401.99	3.27E-01	3.39E-04	2.95E-01	4.49E-02	6.68E-01	4.33E-01	3.25E+01	2.95E+00	2.29E-01	3.61E+01	4.20E-01	4.10E-04	2.95E-01	4.49E-02	7.60E-01
1420	495011.06	3858401.99	3.27E-01	3.39E-04	2.59E-01	4.50E-02	6.32E-01	4.33E-01	3.25E+01	2.59E+00	2.30E-01	3.58E+01	4.20E-01	4.11E-04	2.59E-01	4.50E-02	7.24E-01
1421	495061.06	3858401.99	3.28E-01	3.40E-04	2.57E-01	4.51E-02	6.30E-01	4.33E-01	3.26E+01	2.57E+00	2.30E-01	3.58E+01	4.20E-01	4.12E-04	2.57E-01	4.51E-02	7.22E-01
1422	495111.06	3858401.99	3.27E-01	3.41E-04	2.53E-01	4.53E-02	6.26E-01	4.32E-01	3.27E+01	2.53E+00	2.31E-01	3.59E+01	4.20E-01	4.13E-04	2.53E-01	4.53E-02	7.19E-01
1423	495161.06	3858401.99	3.27E-01	3.41E-04	2.51E-01	4.53E-02	6.25E-01	4.33E-01	3.27E+01	2.51E+00	2.32E-01	3.59E+01	4.20E-01	4.13E-04	2.51E-01	4.53E-02	7.17E-01
1424	495211.06	3858401.99	2.72E-01	3.42E-04	2.48E-01	4.55E-02	5.66E-01	3.60E-01	3.28E+01	2.48E+00	2.32E-01	3.58E+01	3.49E-01	4.14E-04	2.48E-01	4.55E-02	6.43E-01
1425	495261.06	3858401.99	2.74E-01	3.42E-04	2.46E-01	4.56E-02	5.66E-01	3.62E-01	3.28E+01	2.46E+00	2.33E-01	3.59E+01	3.51E-01	4.15E-04	2.46E-01	4.56E-02	6.43E-01
1426	495311.06	3858401.99	2.75E-01	3.43E-04	2.44E-01	4.57E-02	5.65E-01	3.64E-01	3.29E+01	2.44E+00	2.33E-01	3.59E+01	3.53E-01	4.15E-04	2.44E-01	4.57E-02	6.43E-01
1427	495361.06	3858401.99	2.77E-01	3.43E-04	2.42E-01	4.57E-02	5.65E-01	3.66E-01	3.29E+01	2.42E+00	2.34E-01	3.59E+01	3.55E-01	4.16E-04	2.42E-01	4.57E-02	6.43E-01
1428	495411.06	3858401.99	2.79E-01	3.44E-04	2.40E-01	4.58E-02	5.65E-01	3.68E-01	3.30E+01	2.40E+00	2.34E-01	3.60E+01	3.57E-01	4.17E-04	2.40E-01	4.58E-02	6.43E-01
1429	495461.06	3858401.99	2.80E-01	3.44E-04	2.38E-01	4.58E-02	5.64E-01	3.70E-01	3.30E+01	2.38E+00	2.34E-01	3.60E+01	3.59E-01	4.17E-04	2.38E-01	4.58E-02	6.43E-01
1430	495511.06	3858401.99	2.81E-01	3.45E-04	2.37E-01	4.58E-02	5.64E-01	3.71E-01	3.31E+01	2.37E+00	2.34E-01	3.61E+01	3.61E-01	4.18E-04	2.37E-01	4.58E-02	6.44E-01
1431	495561.06	3858401.99	2.83E-01	3.45E-04	2.35E-01	4.59E-02	5.64E-01	3.73E-01	3.31E+01	2.35E+00	2.34E-01	3.61E+01	3.62E-01	4.18E-04	2.35E-01	4.59E-02	6.44E-01
1432	495611.06	3858401.99	2.84E-01	3.46E-04	2.34E-01	4.59E-02	5.64E-01	3.75E-01	3.32E+01	2.34E+00	2.34E-01	3.61E+01	3.64E-01	4.19E-04	2.34E-01	4.59E-02	6.44E-01
1433	495661.06	3858401.99	2.85E-01	3.46E-04	2.32E-01	4.59E-02	5.63E-01	3.76E-01	3.32E+01	2.32E+00	2.35E-01	3.61E+01	3.65E-01	4.20E-04	2.32E-01	4.59E-02	6.44E-01
1434	494311.06	3858451.99	4.20E-01	3.45E-04	2.99E-01	4.40E-02	7.64E-01	5.55E-01	3.31E+01	2.99E+00	2.25E-01	3.69E+01	5.39E-01	4.18E-04	2.99E-01	4.40E-02	8.83E-01
1435	494361.06	3858451.99	4.27E-01	3.46E-04	2.99E-01	4.42E-02	7.71E-01	5.65E-01	3.31E+01	2.99E+00	2.26E-01	3.69E+01	5.48E-01	4.19E-04	2.99E-01	4.42E-02	8.91E-01
1436	494411.06	3858451.99	4.34E-01	3.46E-04	2.98E-01	4.43E-02	7.77E-01	5.74E-01	3.32E+01	2.98E+00	2.26E-01	3.70E+01	5.57E-01	4.19E-04	2.98E-01	4.43E-02	9.00E-01
1437	494461.06	3858451.99	4.41E-01	3.47E-04	2.98E-01	4.44E-02	7.84E-01	5.83E-01	3.33E+01	2.98E+00	2.27E-01	3.71E+01	5.66E-01	4.20E-04	2.98E-01	4.44E-02	9.08E-01
1438	494511.06	3858451.99	4.48E-01	3.47E-04	2.97E-01	4.45E-02	7.89E-01	5.91E-01	3.33E+01	2.97E+00	2.28E-01	3.71E+01	5.74E-01	4.21E-04	2.97E-01	4.45E-02	9.16E-01
1439	494561.06	3858451.99	4.54E-01	3.48E-04	2.96E-01	4.47E-02	7.95E-01	6.00E-01	3.34E+01	2.96E+00	2.28E-01	3.72E+01	5.82E-01	4.22E-04	2.96E-01	4.47E-02	9.23E-01
1440	494611.06	3858451.99	4.60E-01	3.49E-04	2.96E-01	4.48E-02	8.01E-01	6.08E-01	3.34E+01	2.96E+00	2.29E-01	3.72E+01	5.90E-01	4.22E-04	2.96E-01	4.48E-02	9.31E-01
1441	494661.06	3858451.99	4.66E-01	3.49E-04	2.95E-01	4.49E-02	8.06E-01	6.16E-01	3.35E+01	2.95E+00	2.29E-01	3.73E+01	5.97E-01	4.23E-04	2.95E-01	4.49E-02	9.38E-01
1442	494711.06	3858451.99	4.72E-01	3.50E-04	2.94E-01	4.50E-02	8.12E-01	6.23E-01	3.36E+01	2.94E+00	2.30E-01	3.73E+01	6.05E-01	4.24E-04	2.94E-01	4.50E-02	9.45E-01
1443	494761.06	3858451.99	4.78E-01	3.50E-04	2.94E-01	4.52E-02	8.17E-01	6.31E-01	3.36E+01	2.94E+00	2.31E-01	3.74E+01	6.12E-01	4.24E-04	2.94E-01	4.52E-02	9.52E-01
1444	494811.06	3858451.99	4.83E-01	3.51E-04	2.93E-01	4.53E-02	8.22E-01	6.38E-01	3.37E+01	2.93E+00	2.31E-01	3.75E+01	6.19E-01	4.25E-04	2.93E-01	4.53E-02	9.58E-01
1445	494861.06	3858451.99	3.26E-01	3.51E-04	2.93E-01	4.54E-02	6.64E-01	4.30E-01	3.37E+01	2.93E+00	2.32E-01	3.73E+01	4.18E-01	4.26E-04	2.93E-01	4.54E-02	7.56E-01
1446	494911.06	3858451.99	3.26E-01	3.52E-04	2.92E-01	4.55E-02	6.64E-01	4.31E-01	3.38E+01	2.92E+00	2.32E-01	3.73E+01	4.18E-01	4.26E-04	2.92E-01	4.55E-02	7.56E-01
1447	494961.06	3858451.99	3.26E-01	3.53E-04	2.92E-01	4.57E-02	6.64E-01	4.31E-01	3.38E+01	2.92E+00	2.33E-01	3.74E+01	4.18E-01	4.27E-04	2.92E-01	4.57E-02	7.56E-01
1448	495011.06	3858451.99	3.26E-01	3.53E-04	2.91E-01	4.58E-02	6.64E-01	4.31E-01	3.39E+01	2.91E+00	2.34E-01	3.74E+01	4.18E-01	4.28E-04	2.91E-01	4.58E-02	7.56E-01
1449	495061.06	3858451.99	3.27E-01	3.53E-04	2.91E-01	4.59E-02	6.64E-01	4.32E-01	3.39E+01	2.91E+00	2.34E-01	3.75E+01	4.19E-01	4.28E-04	2.91E-01	4.59E-02	7.56E-01
1450	495111.06	3858451.99	3.27E-01	3.54E-04	2.61E-01	4.60E-02	6.34E-01	4.32E-01	3.39E+01	2.61E+00	2.35E-01	3.72E+01	4.19E-01	4.29E-04	2.61E-01	4.60E-02	7.27E-01
1451	495161.06	3858451.99	3.27E-01	3.54E-04	2.50E-01	4.61E-02	6.23E-01	4.32E-01	3.40E+01	2.50E+00	2.36E-01	3.72E+01	4.19E-01	4.29E-04	2.50E-01	4.61E-02	7.16E-01
1452	495211.06	3858451.99	3.27E-01	3.55E-04	2.48E-01	4.63E-02	6.21E-01	4.32E-01	3.40E+01	2.48E+00	2.36E-01	3.72E+01	4.19E-01	4.30E-04	2.48E-01	4.63E-02	7.13E-01
1453	495261.06	3858451.99	3.27E-01	3.55E-04	2.46E-01	4.63E-02	6.19E-01	4.32E-01	3.41E+01	2.46E+00	2.37E-01	3.72E+01	4.19E-01	4.30E-04	2.46E-01	4.63E-02	7.11E-01
1454	495311.06	3858451.99	3.27E-01	3.56E-04	2.44E-01	4.64E-02	6.17E-01	4.32E-01	3.41E+01	2.44E+00	2.37E-01	3.72E+01	4.19E-01	4.31E-04	2.44E-01	4.64E-02	7.10E-01
1455	495361.06	3858451.99	2.67E-01	3.56E-04	2.42E-01	4.65E-02	5.56E-01	3.53E-01	3.42E+01	2.42E+00	2.37E-01	3.72E+01	3.42E-01	4.31E-04	2.42E-01	4.65E-02	6.31E-01
1456	495411.06	3858451.99	2.69E-01	3.57E-04	2.40E-01	4.65E-02	5.56E-01	3.55E-01	3.42E+01	2.40E+00	2.37E-01	3.72E+01	3.44E-01	4.32E-04	2.40E-01	4.65E-02	6.32E-01
1457	495461.06	3858451.99	2.70E-01	3.57E-04	2.39E-01	4.65E-02	5.56E-01	3.57E-01	3.42E+01	2.39E+00	2.37E-01	3.72E+01	3.47E-01	4.32E-04	2.39E-01	4.65E-02	6.33E-01
1458	495511.06	3858451.99	2.72E-01	3.57E-04	2.37E-01	4.65E-02	5.56E-01	3.60E-01	3.43E+01	2.37E+00	2.38E-01	3.72E+01	3.49E-01	4.33E-04	2.37E-01	4.65E-02	6.33E-01
1459	495561.06	3858451.99	2.74E-01	3.58E-04	2.36E-01	4.65E-02	5.57E-01	3.62E-01	3.43E+01	2.36E+00	2.38E-01	3.73E+01	3.51E-01	4.33E-04	2.36E-01	4.65E-02	6.34E-01
1460	495611.06	3858451.99	2.75E-01	3.58E-04	2.34E-01	4.66E-02	5.56E-01	3.64E-01	3.43E+01	2.34E+00	2.38E-01	3.73E+01	3.53E-01	4.34E-04	2.34E-01	4.66E-02	6.34E-01

1461	495661.06	3858451.99	2.77E-01	3.58E-04	2.33E-01	4.66E-02	5.57E-01	3.66E-01	3.44E+01	2.33E+00	2.38E-01	3.73E+01	3.55E-01	4.34E-04	2.33E-01	4.66E-02	6.35E-01
1462	494311.06	3858501.99	3.80E-01	3.59E-04	3.65E-01	4.49E-02	7.90E-01	5.02E-01	3.45E+01	3.65E+00	2.30E-01	3.88E+01	4.87E-01	4.35E-04	3.65E-01	4.49E-02	8.97E-01
1463	494361.06	3858501.99	3.87E-01	3.60E-04	3.59E-01	4.51E-02	7.92E-01	5.12E-01	3.45E+01	3.59E+00	2.30E-01	3.88E+01	4.97E-01	4.36E-04	3.59E-01	4.51E-02	9.01E-01
1464	494411.06	3858501.99	3.95E-01	3.60E-04	3.37E-01	4.52E-02	7.77E-01	5.22E-01	3.46E+01	3.37E+00	2.31E-01	3.87E+01	5.06E-01	4.37E-04	3.37E-01	4.52E-02	8.89E-01
1465	494461.06	3858501.99	4.03E-01	3.61E-04	2.98E-01	4.53E-02	7.46E-01	5.32E-01	3.46E+01	2.98E+00	2.31E-01	3.84E+01	5.16E-01	4.37E-04	2.98E-01	4.53E-02	8.60E-01
1466	494511.06	3858501.99	4.10E-01	3.61E-04	2.90E-01	4.54E-02	7.45E-01	5.41E-01	3.47E+01	2.90E+00	2.32E-01	3.83E+01	5.25E-01	4.38E-04	2.90E-01	4.54E-02	8.61E-01
1467	494561.06	3858501.99	4.17E-01	3.62E-04	2.89E-01	4.54E-02	7.52E-01	5.51E-01	3.47E+01	2.89E+00	2.32E-01	3.84E+01	5.35E-01	4.38E-04	2.89E-01	4.54E-02	8.70E-01
1468	494611.06	3858501.99	4.24E-01	3.62E-04	2.89E-01	4.56E-02	7.58E-01	5.60E-01	3.48E+01	2.89E+00	2.33E-01	3.84E+01	5.44E-01	4.39E-04	2.89E-01	4.56E-02	8.78E-01
1469	494661.06	3858501.99	4.31E-01	3.63E-04	2.88E-01	4.56E-02	7.65E-01	5.69E-01	3.48E+01	2.88E+00	2.33E-01	3.85E+01	5.53E-01	4.40E-04	2.88E-01	4.56E-02	8.87E-01
1470	494711.06	3858501.99	4.38E-01	3.63E-04	2.88E-01	4.58E-02	7.71E-01	5.78E-01	3.48E+01	2.88E+00	2.34E-01	3.85E+01	5.61E-01	4.40E-04	2.88E-01	4.58E-02	8.95E-01
1471	494761.06	3858501.99	4.44E-01	3.64E-04	2.87E-01	4.59E-02	7.77E-01	5.86E-01	3.49E+01	2.87E+00	2.35E-01	3.86E+01	5.69E-01	4.41E-04	2.87E-01	4.59E-02	9.03E-01
1472	494811.06	3858501.99	4.50E-01	3.64E-04	2.87E-01	4.60E-02	7.84E-01	5.95E-01	3.49E+01	2.87E+00	2.35E-01	3.86E+01	5.77E-01	4.41E-04	2.87E-01	4.60E-02	9.11E-01
1473	494861.06	3858501.99	4.56E-01	3.64E-04	2.87E-01	4.61E-02	7.89E-01	6.03E-01	3.50E+01	2.87E+00	2.36E-01	3.87E+01	5.85E-01	4.42E-04	2.87E-01	4.61E-02	9.18E-01
1474	494911.06	3858501.99	4.62E-01	3.65E-04	2.86E-01	4.63E-02	7.95E-01	6.10E-01	3.50E+01	2.86E+00	2.37E-01	3.87E+01	5.92E-01	4.42E-04	2.86E-01	4.63E-02	9.25E-01
1475	494961.06	3858501.99	3.24E-01	3.65E-04	2.86E-01	4.64E-02	6.57E-01	4.28E-01	3.50E+01	2.86E+00	2.37E-01	3.85E+01	4.15E-01	4.42E-04	2.86E-01	4.64E-02	7.48E-01
1476	495011.06	3858501.99	3.24E-01	3.66E-04	2.86E-01	4.65E-02	6.57E-01	4.28E-01	3.51E+01	2.86E+00	2.38E-01	3.86E+01	4.16E-01	4.43E-04	2.86E-01	4.65E-02	7.48E-01
1477	495061.06	3858501.99	3.25E-01	3.66E-04	2.85E-01	4.66E-02	6.57E-01	4.29E-01	3.51E+01	2.85E+00	2.38E-01	3.86E+01	4.16E-01	4.43E-04	2.85E-01	4.66E-02	7.49E-01
1478	495111.06	3858501.99	3.25E-01	3.66E-04	2.85E-01	4.68E-02	6.57E-01	4.29E-01	3.51E+01	2.85E+00	2.39E-01	3.86E+01	4.17E-01	4.44E-04	2.85E-01	4.68E-02	7.49E-01
1479	495161.06	3858501.99	3.25E-01	3.67E-04	2.75E-01	4.69E-02	6.48E-01	4.30E-01	3.52E+01	2.75E+00	2.39E-01	3.86E+01	4.17E-01	4.44E-04	2.75E-01	4.69E-02	7.40E-01
1480	495211.06	3858501.99	3.25E-01	3.67E-04	2.43E-01	4.70E-02	6.16E-01	4.30E-01	3.52E+01	2.43E+00	2.40E-01	3.83E+01	4.17E-01	4.44E-04	2.43E-01	4.70E-02	7.08E-01
1481	495261.06	3858501.99	3.26E-01	3.67E-04	2.42E-01	4.71E-02	6.15E-01	4.30E-01	3.52E+01	2.42E+00	2.40E-01	3.83E+01	4.18E-01	4.45E-04	2.42E-01	4.71E-02	7.07E-01
1482	495311.06	3858501.99	3.26E-01	3.67E-04	2.40E-01	4.71E-02	6.14E-01	4.31E-01	3.52E+01	2.40E+00	2.41E-01	3.83E+01	4.18E-01	4.45E-04	2.40E-01	4.71E-02	7.06E-01
1483	495361.06	3858501.99	3.26E-01	3.68E-04	2.39E-01	4.71E-02	6.13E-01	4.31E-01	3.53E+01	2.39E+00	2.41E-01	3.83E+01	4.18E-01	4.45E-04	2.39E-01	4.71E-02	7.05E-01
1484	495411.06	3858501.99	3.27E-01	3.68E-04	2.38E-01	4.71E-02	6.12E-01	4.31E-01	3.53E+01	2.38E+00	2.41E-01	3.83E+01	4.19E-01	4.46E-04	2.38E-01	4.71E-02	7.04E-01
1485	495461.06	3858501.99	3.27E-01	3.68E-04	2.36E-01	4.72E-02	6.11E-01	4.32E-01	3.53E+01	2.36E+00	2.41E-01	3.84E+01	4.19E-01	4.46E-04	2.36E-01	4.72E-02	7.03E-01
1486	495511.06	3858501.99	3.27E-01	3.69E-04	2.35E-01	4.72E-02	6.09E-01	4.32E-01	3.53E+01	2.35E+00	2.41E-01	3.84E+01	4.19E-01	4.46E-04	2.35E-01	4.72E-02	7.02E-01
1487	495561.06	3858501.99	3.27E-01	3.69E-04	2.34E-01	4.72E-02	6.09E-01	4.32E-01	3.54E+01	2.34E+00	2.41E-01	3.84E+01	4.19E-01	4.47E-04	2.34E-01	4.72E-02	7.01E-01
1488	495611.06	3858501.99	3.27E-01	3.69E-04	2.33E-01	4.72E-02	6.08E-01	4.32E-01	3.54E+01	2.33E+00	2.41E-01	3.84E+01	4.20E-01	4.47E-04	2.33E-01	4.72E-02	7.00E-01
1489	495661.06	3858501.99	3.27E-01	3.69E-04	2.31E-01	4.72E-02	6.06E-01	4.32E-01	3.54E+01	2.31E+00	2.41E-01	3.84E+01	4.19E-01	4.47E-04	2.31E-01	4.72E-02	6.98E-01
1490	494311.06	3858551.99	3.37E-01	3.73E-04	4.22E-01	4.59E-02	8.05E-01	4.45E-01	3.57E+01	4.22E+00	2.34E-01	4.06E+01	4.32E-01	4.52E-04	4.22E-01	4.59E-02	9.00E-01
1491	494361.06	3858551.99	3.45E-01	3.73E-04	4.33E-01	4.59E-02	8.25E-01	4.56E-01	3.58E+01	4.33E+00	2.34E-01	4.08E+01	4.43E-01	4.52E-04	4.33E-01	4.59E-02	9.22E-01
1492	494411.06	3858551.99	3.53E-01	3.73E-04	3.94E-01	4.60E-02	7.94E-01	4.67E-01	3.58E+01	3.94E+00	2.35E-01	4.05E+01	4.53E-01	4.52E-04	3.94E-01	4.60E-02	8.94E-01
1493	494461.06	3858551.99	3.61E-01	3.74E-04	3.91E-01	4.60E-02	7.99E-01	4.77E-01	3.58E+01	3.91E+00	2.35E-01	4.05E+01	4.63E-01	4.53E-04	3.91E-01	4.60E-02	9.01E-01
1494	494511.06	3858551.99	3.70E-01	3.74E-04	3.83E-01	4.61E-02	7.99E-01	4.88E-01	3.59E+01	3.83E+00	2.36E-01	4.04E+01	4.74E-01	4.53E-04	3.83E-01	4.61E-02	9.03E-01
1495	494561.06	3858551.99	3.77E-01	3.74E-04	3.76E-01	4.62E-02	8.00E-01	4.99E-01	3.59E+01	3.76E+00	2.36E-01	4.04E+01	4.84E-01	4.54E-04	3.76E-01	4.62E-02	9.06E-01
1496	494611.06	3858551.99	3.85E-01	3.75E-04	3.67E-01	4.63E-02	7.99E-01	5.09E-01	3.59E+01	3.67E+00	2.36E-01	4.04E+01	4.94E-01	4.54E-04	3.67E-01	4.63E-02	9.07E-01
1497	494661.06	3858551.99	3.93E-01	3.75E-04	3.60E-01	4.64E-02	7.99E-01	5.18E-01	3.60E+01	3.60E+00	2.37E-01	4.03E+01	5.03E-01	4.54E-04	3.60E-01	4.64E-02	9.10E-01
1498	494711.06	3858551.99	4.00E-01	3.75E-04	3.36E-01	4.65E-02	7.83E-01	5.28E-01	3.60E+01	3.36E+00	2.38E-01	4.01E+01	5.12E-01	4.55E-04	3.36E-01	4.65E-02	8.96E-01
1499	494761.06	3858551.99	4.07E-01	3.76E-04	2.79E-01	4.66E-02	7.32E-01	5.38E-01	3.60E+01	2.79E+00	2.38E-01	3.96E+01	5.22E-01	4.55E-04	2.79E-01	4.66E-02	8.47E-01
1500	494811.06	3858551.99	4.14E-01	3.76E-04	2.78E-01	4.67E-02	7.39E-01	5.47E-01	3.60E+01	2.78E+00	2.39E-01	3.96E+01	5.30E-01	4.55E-04	2.78E-01	4.67E-02	8.56E-01
1501	494861.06	3858551.99	4.21E-01	3.76E-04	2.78E-01	4.69E-02	7.46E-01	5.56E-01	3.61E+01	2.78E+00	2.39E-01	3.96E+01	5.39E-01	4.56E-04	2.78E-01	4.69E-02	8.65E-01
1502	494911.06	3858551.99	4.27E-01	3.76E-04	2.78E-01	4.70E-02	7.53E-01	5.64E-01	3.61E+01	2.78E+00	2.40E-01	3.97E+01	5.48E-01	4.56E-04	2.78E-01	4.70E-02	8.73E-01
1503	494961.06	3858551.99	4.34E-01	3.76E-04	2.78E-01	4.71E-02	7.59E-01	5.73E-01	3.61E+01	2.78E+00	2.41E-01	3.97E+01	5.56E-01	4.56E-04	2.78E-01	4.71E-02	8.81E-01
1504	495011.06	3858551.99	4.40E-01	3.77E-04	2.78E-01	4.73E-02	7.65E-01	5.81E-01	3.61E+01	2.78E+00	2.41E-01	3.97E+01	5.64E-01	4.56E-04	2.78E-01	4.73E-02	8.90E-01
1505	495061.06	3858551.99	3.22E-01	3.77E-04	2.78E-01	4.73E-02	6.47E-01	4.25E-01	3.61E+01	2.78E+00	2.42E-01	3.96E+01	4.12E-01	4.57E-04	2.78E-01	4.73E-02	7.38E-01
1506	495111.06	3858551.99	3.22E-01	3.77E-04	2.78E-01	4.75E-02	6.48E-01	4.25E-01	3.62E+01	2.78E+00	2.43E-01	3.96E+01	4.13E-01	4.57E-04	2.78E-01	4.75E-02	7.39E-01
1507	495161.06	3858551.99	3.23E-01	3.77E-04	2.78E-01	4.76E-02	6.48E-01	4.26E-01	3.62E+01	2.78E+00	2.43E-01	3.96E+01	4.14E-01	4.57E-04	2.78E-01	4.76E-02	7.39E-01
1508	495211.06	3858551.99	3.23E-01	3.77E-04	2.77E-01	4.77E-02	6.49E-01	4.27E-01	3.62E+01	2.77E+00	2.44E-01	3.96E+01	4.14E-01	4.57E-04	2.77E-01	4.77E-02	7.40E-01
1509	495261.06	3858551.99	3.24E-01	3.77E-04	2.77E-01	4.77E-02	6.49E-01	4.28E-01	3.62E+01	2.77E+00	2.44E-01	3.96E+01	4.15E-01	4.57E-04	2.77E-01	4.77E-02	7.40E-01
1510	495311.06	3858551.99	3.24E-01	3.78E-04	2.76E-01	4.78E-02	6.49E-01	4.28E-01	3.62E+01	2.76E+00	2.44E-01	3.96E+01	4.16E-01	4.57E-04	2.76E-01	4.78E-02	7.40E-01
1511	495361.06	3858551.99	3.25E-01	3.78E-04	2.76E-01	4.78E-02	6.49E-01	4.29E-01	3.62E+01	2.76E+00	2.44E-01	3.97E+01	4.16E-01	4.58E-04	2.76E-01	4.78E-02	7.40E-01
1512	495411.06	3858551.99	3.25E-01	3.78E-04	2.75E-01	4.78E-02	6.48E-01	4.30E-01	3.62E+01	2.75E+00	2.44E-01	3.97E+01	4.17E-01	4.58E-04	2.75E-01	4.78E-02	7.40E-01
1513	495461.06	3858551.99	3.26E-01	3.78E-04	2.74E-01	4.78E-02	6.48E-01	4.30E-01	3.62E+01	2.74E+00	2.44E-01	3.97E+01	4.17E-01	4.58E-04	2.74E-01	4.78E-02	7.40E-01
1514	495511.06	3858551.99	3.26E-01	3.78E-04	2.74E-01	4.78E-02	6.48E-01	4.30E-01	3.62E+01	2.74E+00	2.44E-01	3.97E+01	4.18E-01	4.58E-04	2.74E-01	4.78E-02	7.40E-01
1515	495561.06	3858551.99	3.26E-01	3.78E-04	2.73E-01	4.78E-02	6.47E-01	4.31E-01	3.62E+01	2.73E+00	2.44E-01	3.97E+01	4.18E-01	4.58E-04	2.73E-01	4.78E-02	7.40E-01
1516	495611.06	3858551.99	3.26E-01	3.78E-04	2.63E-01	4.78E-02	6.38E-01	4.31E-01	3.63E+01	2.63E+00	2.44E-01	3.96E+01	4.18E-01	4.58E-04	2.63E-01	4.78E-02	7.30E-01
1517	495661.06	3858551.99	3.27E-01	3.78E-04	2.45E-01	4.78E-02	6.20E-01	4.31E-01	3.63E+01	2.45E+00	2.44E-01	3.94E+01	4.19E-01	4.58E-04	2.45E-01	4.78E-02	7.12E-01
1518	494311.06	3858601.99	2.92E-01	3.84E-04	2.70E-01	4.73E-02	6.09E-01	3.86E-01	3.69E+01	2.70E+00	2.41E-01	4.02E+01	3.74E-01	4.66E-04	2.70E-01	4.73E-02	6.92E-01
1519	494361.06	3858601.99	3.02E-01	3.85E-04	4.75E-01	4.68E-02	8.24E-01	3.98E-01	3.69E+01	4.75E+00	2.39E-01	4.23E+01	3.87E-01	4.66E-04	4.75E-01	4.68E-02	9.09E-01
1520	494411.06	3858601.99	3.11E-01	3.85E-04	4.77E-01	4.67E-02	8.35E-01	4.10E-01	3.69E+01	4.77E+00	2.38E-01	4.23E+01	3.98E-01	4.66E-04	4.77E-01	4.67E-02	9.23E-01
1521	494461.06	3858601.99	3.19E-01	3.85E-04	4.74E-01	4.67E-02	8.40E-01	4.21E-01	3.69E+01	4.74E+00	2.39E-01	4.23E+01	4.09E-01	4.66E-04	4.74E-01	4.67E-02	9.30E-01

1522	494511.06	3858601.99	3.27E-01	3.85E-04	4.83E-01	4.68E-02	8.57E-01	4.32E-01	3.69E+01	4.83E+00	2.39E-01	4.24E+01	4.20E-01	4.66E-04	4.83E-01	4.68E-02	9.50E-01
1523	494561.06	3858601.99	3.36E-01	3.85E-04	4.55E-01	4.69E-02	8.38E-01	4.44E-01	3.69E+01	4.55E+00	2.39E-01	4.22E+01	4.30E-01	4.67E-04	4.55E-01	4.69E-02	9.33E-01
1524	494611.06	3858601.99	3.44E-01	3.85E-04	4.31E-01	4.70E-02	8.23E-01	4.54E-01	3.70E+01	4.31E+00	2.40E-01	4.20E+01	4.41E-01	4.67E-04	4.31E-01	4.70E-02	9.20E-01
1525	494661.06	3858601.99	3.52E-01	3.85E-04	4.17E-01	4.71E-02	8.16E-01	4.65E-01	3.70E+01	4.17E+00	2.40E-01	4.18E+01	4.51E-01	4.67E-04	4.17E-01	4.71E-02	9.15E-01
1526	494711.06	3858601.99	3.59E-01	3.86E-04	3.95E-01	4.72E-02	8.02E-01	4.75E-01	3.70E+01	3.95E+00	2.41E-01	4.16E+01	4.61E-01	4.67E-04	3.95E-01	4.72E-02	9.04E-01
1527	494761.06	3858601.99	3.67E-01	3.86E-04	3.79E-01	4.73E-02	7.94E-01	4.85E-01	3.70E+01	3.79E+00	2.42E-01	4.15E+01	4.71E-01	4.67E-04	3.79E-01	4.73E-02	8.97E-01
1528	494811.06	3858601.99	3.75E-01	3.86E-04	3.66E-01	4.75E-02	7.89E-01	4.95E-01	3.70E+01	3.66E+00	2.42E-01	4.14E+01	4.80E-01	4.67E-04	3.66E-01	4.75E-02	8.94E-01
1529	494861.06	3858601.99	3.82E-01	3.86E-04	3.07E-01	4.76E-02	7.37E-01	5.05E-01	3.70E+01	3.07E+00	2.43E-01	4.08E+01	4.90E-01	4.67E-04	3.07E-01	4.76E-02	8.45E-01
1530	494911.06	3858601.99	3.89E-01	3.86E-04	2.68E-01	4.77E-02	7.05E-01	5.14E-01	3.70E+01	2.68E+00	2.44E-01	4.04E+01	4.99E-01	4.67E-04	2.68E-01	4.77E-02	8.15E-01
1531	494961.06	3858601.99	3.96E-01	3.86E-04	2.68E-01	4.78E-02	7.13E-01	5.24E-01	3.70E+01	2.68E+00	2.44E-01	4.04E+01	5.08E-01	4.67E-04	2.68E-01	4.78E-02	8.25E-01
1532	495011.06	3858601.99	4.03E-01	3.86E-04	2.68E-01	4.79E-02	7.20E-01	5.33E-01	3.70E+01	2.68E+00	2.45E-01	4.05E+01	5.17E-01	4.67E-04	2.68E-01	4.79E-02	8.34E-01
1533	495061.06	3858601.99	4.10E-01	3.86E-04	2.68E-01	4.80E-02	7.27E-01	5.42E-01	3.70E+01	2.68E+00	2.45E-01	4.05E+01	5.26E-01	4.67E-04	2.68E-01	4.80E-02	8.42E-01
1534	495111.06	3858601.99	3.18E-01	3.86E-04	2.68E-01	4.82E-02	6.35E-01	4.19E-01	3.70E+01	2.68E+00	2.46E-01	4.03E+01	4.07E-01	4.67E-04	2.68E-01	4.82E-02	7.24E-01
1535	495161.06	3858601.99	3.19E-01	3.86E-04	2.68E-01	4.83E-02	6.36E-01	4.21E-01	3.70E+01	2.68E+00	2.47E-01	4.03E+01	4.08E-01	4.67E-04	2.68E-01	4.83E-02	7.26E-01
1536	495211.06	3858601.99	3.20E-01	3.86E-04	2.68E-01	4.83E-02	6.36E-01	4.22E-01	3.70E+01	2.68E+00	2.47E-01	4.03E+01	4.10E-01	4.67E-04	2.68E-01	4.83E-02	7.27E-01
1537	495261.06	3858601.99	3.20E-01	3.86E-04	2.68E-01	4.84E-02	6.37E-01	4.23E-01	3.70E+01	2.68E+00	2.47E-01	4.03E+01	4.11E-01	4.67E-04	2.68E-01	4.84E-02	7.27E-01
1538	495311.06	3858601.99	3.21E-01	3.86E-04	2.68E-01	4.84E-02	6.38E-01	4.24E-01	3.70E+01	2.68E+00	2.47E-01	4.03E+01	4.12E-01	4.67E-04	2.68E-01	4.84E-02	7.28E-01
1539	495361.06	3858601.99	3.22E-01	3.86E-04	2.67E-01	4.84E-02	6.38E-01	4.25E-01	3.70E+01	2.67E+00	2.47E-01	4.03E+01	4.13E-01	4.67E-04	2.67E-01	4.84E-02	7.29E-01
1540	495411.06	3858601.99	3.23E-01	3.85E-04	2.67E-01	4.84E-02	6.38E-01	4.26E-01	3.70E+01	2.67E+00	2.47E-01	4.03E+01	4.14E-01	4.67E-04	2.67E-01	4.84E-02	7.29E-01
1541	495461.06	3858601.99	3.23E-01	3.85E-04	2.66E-01	4.84E-02	6.38E-01	4.27E-01	3.70E+01	2.66E+00	2.47E-01	4.03E+01	4.14E-01	4.67E-04	2.66E-01	4.84E-02	7.30E-01
1542	495511.06	3858601.99	3.24E-01	3.85E-04	2.66E-01	4.84E-02	6.39E-01	4.28E-01	3.69E+01	2.66E+00	2.47E-01	4.03E+01	4.15E-01	4.67E-04	2.66E-01	4.84E-02	7.30E-01
1543	495561.06	3858601.99	3.24E-01	3.85E-04	2.66E-01	4.84E-02	6.39E-01	4.28E-01	3.69E+01	2.66E+00	2.47E-01	4.03E+01	4.16E-01	4.67E-04	2.66E-01	4.84E-02	7.30E-01
1544	495611.06	3858601.99	3.25E-01	3.85E-04	2.65E-01	4.84E-02	6.39E-01	4.29E-01	3.69E+01	2.65E+00	2.47E-01	4.03E+01	4.16E-01	4.66E-04	2.65E-01	4.84E-02	7.30E-01
1545	495661.06	3858601.99	3.25E-01	3.85E-04	2.65E-01	4.84E-02	6.39E-01	4.30E-01	3.69E+01	2.65E+00	2.47E-01	4.02E+01	4.17E-01	4.66E-04	2.65E-01	4.84E-02	7.31E-01
1546	494311.06	3858651.99	2.66E-01	3.94E-04	2.61E-01	4.82E-02	5.76E-01	3.51E-01	3.78E+01	2.61E+00	2.46E-01	4.10E+01	3.41E-01	4.77E-04	2.61E-01	4.82E-02	6.51E-01
1547	494361.06	3858651.99	2.70E-01	3.94E-04	4.96E-01	4.78E-02	8.15E-01	3.57E-01	3.78E+01	4.96E+00	2.44E-01	4.33E+01	3.46E-01	4.77E-04	4.96E-01	4.78E-02	8.91E-01
1548	494411.06	3858651.99	3.36E-01	3.94E-04	7.09E-01	4.74E-02	1.09E+00	4.43E-01	3.78E+01	7.09E+00	2.42E-01	4.55E+01	4.30E-01	4.77E-04	7.09E-01	4.74E-02	1.19E+00
1549	494461.06	3858651.99	3.47E-01	3.94E-04	5.74E-01	4.74E-02	9.70E-01	4.59E-01	3.78E+01	5.74E+00	2.42E-01	4.42E+01	4.45E-01	4.77E-04	5.74E-01	4.74E-02	1.07E+00
1550	494511.06	3858651.99	3.44E-01	3.94E-04	5.57E-01	4.75E-02	9.49E-01	4.54E-01	3.78E+01	5.57E+00	2.43E-01	4.40E+01	4.41E-01	4.77E-04	5.57E-01	4.75E-02	1.05E+00
1551	494561.06	3858651.99	3.44E-01	3.94E-04	5.49E-01	4.76E-02	9.41E-01	4.54E-01	3.78E+01	5.49E+00	2.43E-01	4.39E+01	4.41E-01	4.77E-04	5.49E-01	4.76E-02	1.04E+00
1552	494611.06	3858651.99	3.40E-01	3.94E-04	5.33E-01	4.76E-02	9.22E-01	4.50E-01	3.77E+01	5.33E+00	2.43E-01	4.38E+01	4.36E-01	4.77E-04	5.33E-01	4.76E-02	1.02E+00
1553	494661.06	3858651.99	3.31E-01	3.94E-04	5.05E-01	4.77E-02	8.84E-01	4.37E-01	3.77E+01	5.05E+00	2.44E-01	4.35E+01	4.24E-01	4.77E-04	5.05E-01	4.77E-02	9.77E-01
1554	494711.06	3858651.99	3.18E-01	3.93E-04	4.66E-01	4.79E-02	8.33E-01	4.20E-01	3.77E+01	4.66E+00	2.44E-01	4.31E+01	4.08E-01	4.77E-04	4.66E-01	4.79E-02	9.22E-01
1555	494761.06	3858651.99	3.26E-01	3.93E-04	4.41E-01	4.80E-02	8.15E-01	4.30E-01	3.77E+01	4.41E+00	2.45E-01	4.28E+01	4.18E-01	4.76E-04	4.41E-01	4.80E-02	9.07E-01
1556	494811.06	3858651.99	3.34E-01	3.93E-04	4.08E-01	4.81E-02	7.90E-01	4.41E-01	3.77E+01	4.08E+00	2.46E-01	4.25E+01	4.28E-01	4.76E-04	4.08E-01	4.81E-02	8.84E-01
1557	494861.06	3858651.99	3.42E-01	3.93E-04	3.86E-01	4.82E-02	7.77E-01	4.51E-01	3.77E+01	3.86E+00	2.46E-01	4.23E+01	4.38E-01	4.76E-04	3.86E-01	4.82E-02	8.73E-01
1558	494911.06	3858651.99	3.49E-01	3.93E-04	3.74E-01	4.84E-02	7.72E-01	4.61E-01	3.77E+01	3.74E+00	2.47E-01	4.21E+01	4.48E-01	4.76E-04	3.74E-01	4.84E-02	8.71E-01
1559	494961.06	3858651.99	3.57E-01	3.93E-04	2.73E-01	4.85E-02	6.78E-01	4.71E-01	3.77E+01	2.73E+00	2.48E-01	4.11E+01	4.57E-01	4.76E-04	2.73E-01	4.85E-02	7.79E-01
1560	495011.06	3858651.99	3.64E-01	3.93E-04	2.57E-01	4.86E-02	6.70E-01	4.81E-01	3.76E+01	2.57E+00	2.48E-01	4.09E+01	4.67E-01	4.76E-04	2.57E-01	4.86E-02	7.73E-01
1561	495061.06	3858651.99	3.72E-01	3.92E-04	2.57E-01	4.87E-02	6.78E-01	4.91E-01	3.76E+01	2.57E+00	2.49E-01	4.09E+01	4.76E-01	4.75E-04	2.57E-01	4.87E-02	7.83E-01
1562	495111.06	3858651.99	3.79E-01	3.92E-04	2.57E-01	4.88E-02	6.85E-01	5.00E-01	3.76E+01	2.57E+00	2.49E-01	4.09E+01	4.86E-01	4.75E-04	2.57E-01	4.88E-02	7.92E-01
1563	495161.06	3858651.99	3.86E-01	3.92E-04	2.57E-01	4.89E-02	6.93E-01	5.10E-01	3.76E+01	2.57E+00	2.50E-01	4.09E+01	4.95E-01	4.75E-04	2.57E-01	4.89E-02	8.01E-01
1564	495211.06	3858651.99	3.93E-01	3.92E-04	2.58E-01	4.90E-02	7.00E-01	5.19E-01	3.76E+01	2.58E+00	2.50E-01	4.09E+01	5.04E-01	4.75E-04	2.58E-01	4.90E-02	8.11E-01
1565	495261.06	3858651.99	4.00E-01	3.91E-04	2.57E-01	4.90E-02	7.07E-01	5.28E-01	3.75E+01	2.57E+00	2.50E-01	4.09E+01	5.13E-01	4.74E-04	2.57E-01	4.90E-02	8.20E-01
1566	495311.06	3858651.99	4.07E-01	3.91E-04	2.57E-01	4.90E-02	7.14E-01	5.37E-01	3.75E+01	2.57E+00	2.50E-01	4.09E+01	5.22E-01	4.74E-04	2.57E-01	4.90E-02	8.28E-01
1567	495361.06	3858651.99	3.17E-01	3.91E-04	2.57E-01	4.90E-02	6.24E-01	4.19E-01	3.75E+01	2.57E+00	2.50E-01	4.07E+01	4.07E-01	4.74E-04	2.57E-01	4.90E-02	7.14E-01
1568	495411.06	3858651.99	4.20E-01	3.91E-04	2.57E-01	4.90E-02	7.27E-01	5.55E-01	3.75E+01	2.57E+00	2.50E-01	4.08E+01	5.39E-01	4.73E-04	2.57E-01	4.90E-02	8.45E-01
1569	495461.06	3858651.99	4.27E-01	3.90E-04	2.57E-01	4.89E-02	7.33E-01	5.64E-01	3.74E+01	2.57E+00	2.50E-01	4.08E+01	5.47E-01	4.73E-04	2.57E-01	4.89E-02	8.53E-01
1570	495511.06	3858651.99	3.21E-01	3.90E-04	2.56E-01	4.90E-02	6.26E-01	4.23E-01	3.74E+01	2.56E+00	2.50E-01	4.07E+01	4.11E-01	4.73E-04	2.56E-01	4.90E-02	7.17E-01
1571	495561.06	3858651.99	3.21E-01	3.90E-04	2.56E-01	4.90E-02	6.27E-01	4.24E-01	3.74E+01	2.56E+00	2.50E-01	4.06E+01	4.12E-01	4.72E-04	2.56E-01	4.90E-02	7.18E-01
1572	495611.06	3858651.99	3.22E-01	3.90E-04	2.56E-01	4.90E-02	6.28E-01	4.25E-01	3.74E+01	2.56E+00	2.50E-01	4.06E+01	4.13E-01	4.72E-04	2.56E-01	4.90E-02	7.18E-01
1573	495661.06	3858651.99	3.23E-01	3.89E-04	2.56E-01	4.90E-02	6.28E-01	4.26E-01	3.73E+01	2.56E+00	2.50E-01	4.06E+01	4.14E-01	4.72E-04	2.56E-01	4.90E-02	7.19E-01
1574	494311.06	3858701.99	2.65E-01	4.01E-04	4.12E-01	4.90E-02	7.27E-01	3.51E-01	3.84E+01	4.12E+00	2.50E-01	4.32E+01	3.40E-01	4.85E-04	4.12E-01	4.90E-02	8.02E-01
1575	494361.06	3858701.99	3.17E-01	4.01E-04	6.65E-01	4.84E-02	1.03E+00	4.19E-01	3.84E+01	6.65E+00	2.47E-01	4.57E+01	4.07E-01	4.85E-04	6.65E-01	4.84E-02	1.12E+00
1576	494411.06	3858701.99	3.74E-01	4.00E-04	8.72E-01	4.81E-02	1.29E+00	4.94E-01	3.84E+01	8.72E+00	2.46E-01	4.79E+01	4.79E-01	4.85E-04	8.72E-01	4.81E-02	1.40E+00
1577	494461.06	3858701.99	3.80E-01	4.00E-04	8.87E-01	4.81E-02	1.32E+00	5.03E-01	3.84E+01	8.87E+00	2.46E-01	4.80E+01	4.88E-01	4.85E-04	8.87E-01	4.81E-02	1.42E+00
1578	494511.06	3858701.99	3.85E-01	4.00E-04	6.67E-01	4.82E-02	1.10E+00	5.08E-01	3.83E+01	6.67E+00	2.46E-01	4.58E+01	4.93E-01	4.84E-04	6.67E-01	4.82E-02	1.21E+00
1579	494561.06	3858701.99	3.82E-01	3.99E-04	6.51E-01	4.82E-02	1.08E+00	5.04E-01	3.83E+01	6.51E+00	2.46E-01	4.56E+01	4.89E-01	4.84E-04	6.51E-01	4.82E-02	1.19E+00
1580	494611.06	3858701.99	3.60E-01	3.99E-04	5.90E-01	4.84E-02	9.99E-01	4.76E-01	3.83E+01	5.90E+00	2.47E-01	4.49E+01	4.62E-01	4.84E-04	5.90E-01	4.84E-02	1.10E+00
1581	494661.06	3858701.99	3.65E-01	3.99E-04	5.94E-01	4.84E-02	1.01E+00	4.82E-01	3.83E+01	5.94E+00	2.47E-01	4.49E+01	4.68E-01	4.83E-04	5.94E-01	4.84E-02	1.11E+00
1582	494711.06	3858701.99	3.13E-01	3.99E-04	4.73E-01	4.87E-02	8.35E-01	4.14E-01	3.82E+01	4.73E+00	2.49E-01	4.36E+01	4.01E-01	4.83E-04	4.73E-01	4.87E-02	9.24E-01

1583	494761.06	3858701.99	3.31E-01	3.98E-04	5.02E-01	4.86E-02	8.82E-01	4.37E-01	3.82E+01	5.02E+00	2.49E-01	4.39E+01	4.24E-01	4.83E-04	5.02E-01	4.86E-02	9.75E-01
1584	494811.06	3858701.99	1.18E+00	3.98E-04	4.57E-01	4.88E-02	1.69E+00	1.56E+00	3.82E+01	4.57E+00	2.49E-01	4.45E+01	1.52E+00	4.82E-04	4.57E-01	4.88E-02	2.02E+00
1585	494861.06	3858701.99	3.00E-01	3.98E-04	4.28E-01	4.89E-02	7.77E-01	3.96E-01	3.81E+01	4.28E+00	2.50E-01	4.31E+01	3.85E-01	4.82E-04	4.28E-01	4.89E-02	8.62E-01
1586	494911.06	3858701.99	3.08E-01	3.97E-04	4.08E-01	4.90E-02	7.65E-01	4.07E-01	3.81E+01	4.08E+00	2.50E-01	4.28E+01	3.95E-01	4.81E-04	4.08E-01	4.90E-02	8.52E-01
1587	494961.06	3858701.99	3.16E-01	3.97E-04	3.81E-01	4.92E-02	7.47E-01	4.17E-01	3.81E+01	3.81E+00	2.51E-01	4.25E+01	4.05E-01	4.81E-04	3.81E-01	4.92E-02	8.36E-01
1588	495011.06	3858701.99	3.23E-01	3.97E-04	3.19E-01	4.93E-02	6.92E-01	4.27E-01	3.80E+01	3.19E+00	2.52E-01	4.19E+01	4.15E-01	4.80E-04	3.19E-01	4.93E-02	7.83E-01
1589	495061.06	3858701.99	3.31E-01	3.96E-04	2.76E-01	4.93E-02	6.57E-01	4.38E-01	3.80E+01	2.76E+00	2.52E-01	4.14E+01	4.25E-01	4.80E-04	2.76E-01	4.93E-02	7.51E-01
1590	495111.06	3858701.99	3.39E-01	3.96E-04	2.45E-01	4.94E-02	6.34E-01	4.48E-01	3.80E+01	2.45E+00	2.52E-01	4.11E+01	4.35E-01	4.79E-04	2.45E-01	4.94E-02	7.30E-01
1591	495161.06	3858701.99	3.47E-01	3.95E-04	2.45E-01	4.95E-02	6.42E-01	4.58E-01	3.79E+01	2.45E+00	2.53E-01	4.11E+01	4.44E-01	4.79E-04	2.45E-01	4.95E-02	7.40E-01
1592	495211.06	3858701.99	3.54E-01	3.95E-04	2.46E-01	4.95E-02	6.50E-01	4.68E-01	3.79E+01	2.46E+00	2.53E-01	4.11E+01	4.54E-01	4.78E-04	2.46E-01	4.95E-02	7.49E-01
1593	495261.06	3858701.99	3.62E-01	3.95E-04	2.46E-01	4.95E-02	6.57E-01	4.78E-01	3.78E+01	2.46E+00	2.53E-01	4.10E+01	4.64E-01	4.78E-04	2.46E-01	4.95E-02	7.59E-01
1594	495311.06	3858701.99	3.69E-01	3.94E-04	2.46E-01	4.95E-02	6.65E-01	4.88E-01	3.78E+01	2.46E+00	2.53E-01	4.10E+01	4.73E-01	4.77E-04	2.46E-01	4.95E-02	7.69E-01
1595	495361.06	3858701.99	3.76E-01	3.94E-04	2.46E-01	4.95E-02	6.72E-01	4.97E-01	3.78E+01	2.46E+00	2.53E-01	4.10E+01	4.83E-01	4.77E-04	2.46E-01	4.95E-02	7.78E-01
1596	495411.06	3858701.99	3.84E-01	3.93E-04	2.46E-01	4.95E-02	6.79E-01	5.07E-01	3.77E+01	2.46E+00	2.53E-01	4.09E+01	4.92E-01	4.76E-04	2.46E-01	4.95E-02	7.87E-01
1597	495461.06	3858701.99	3.91E-01	3.93E-04	2.46E-01	4.95E-02	6.86E-01	5.16E-01	3.77E+01	2.46E+00	2.53E-01	4.09E+01	5.01E-01	4.76E-04	2.46E-01	4.95E-02	7.97E-01
1598	495511.06	3858701.99	3.98E-01	3.92E-04	2.46E-01	4.95E-02	6.93E-01	5.25E-01	3.76E+01	2.46E+00	2.53E-01	4.09E+01	5.10E-01	4.75E-04	2.46E-01	4.95E-02	8.06E-01
1599	495561.06	3858701.99	4.04E-01	3.92E-04	2.46E-01	4.95E-02	7.00E-01	5.34E-01	3.76E+01	2.46E+00	2.53E-01	4.08E+01	5.19E-01	4.75E-04	2.46E-01	4.95E-02	8.14E-01
1600	495611.06	3858701.99	4.11E-01	3.91E-04	2.46E-01	4.95E-02	7.07E-01	5.43E-01	3.75E+01	2.46E+00	2.53E-01	4.08E+01	5.27E-01	4.74E-04	2.46E-01	4.95E-02	8.23E-01
1601	495661.06	3858701.99	4.18E-01	3.91E-04	2.46E-01	4.95E-02	7.13E-01	5.52E-01	3.75E+01	2.46E+00	2.53E-01	4.08E+01	5.36E-01	4.74E-04	2.46E-01	4.95E-02	8.31E-01
1602	494311.06	3858751.99	2.63E-01	4.05E-04	4.64E-01	4.96E-02	7.77E-01	3.48E-01	3.88E+01	4.64E+00	2.53E-01	4.40E+01	3.38E-01	4.90E-04	4.64E-01	4.96E-02	8.51E-01
1603	494361.06	3858751.99	3.71E-01	4.04E-04	8.68E-01	4.89E-02	1.29E+00	4.91E-01	3.88E+01	8.68E+00	2.50E-01	4.82E+01	4.76E-01	4.90E-04	8.68E-01	4.89E-02	1.39E+00
1604	494411.06	3858751.99	4.18E-01	4.04E-04	1.06E+00	5.01E-02	1.52E+00	5.52E-01	3.87E+01	1.06E+01	2.56E-01	5.01E+01	5.36E-01	4.89E-04	1.06E+00	5.01E-02	1.64E+00
1605	494461.06	3858751.99	4.24E-01	4.03E-04	1.07E+00	5.14E-02	1.55E+00	5.60E-01	3.87E+01	1.07E+01	2.62E-01	5.02E+01	5.44E-01	4.88E-04	1.07E+00	5.14E-02	1.67E+00
1606	494511.06	3858751.99	4.32E-01	4.03E-04	7.88E-01	4.88E-02	1.27E+00	5.70E-01	3.86E+01	7.88E+00	2.49E-01	4.73E+01	5.54E-01	4.88E-04	7.88E-01	4.88E-02	1.39E+00
1607	494561.06	3858751.99	4.21E-01	4.02E-04	8.17E-01	4.88E-02	1.29E+00	5.56E-01	3.86E+01	8.17E+00	2.49E-01	4.75E+01	5.39E-01	4.87E-04	8.17E-01	4.88E-02	1.41E+00
1608	494611.06	3858751.99	4.03E-01	4.02E-04	7.40E-01	4.89E-02	1.19E+00	5.32E-01	3.85E+01	7.40E+00	2.50E-01	4.67E+01	5.16E-01	4.87E-04	7.40E-01	4.89E-02	1.31E+00
1609	494661.06	3858751.99	3.99E-01	4.01E-04	7.89E-01	4.90E-02	1.24E+00	5.27E-01	3.85E+01	7.89E+00	2.50E-01	4.71E+01	5.11E-01	4.86E-04	7.89E-01	4.90E-02	1.35E+00
1610	494711.06	3858751.99	3.71E-01	4.01E-04	6.80E-01	4.91E-02	1.10E+00	4.90E-01	3.84E+01	6.80E+00	2.51E-01	4.60E+01	4.76E-01	4.85E-04	6.80E-01	4.91E-02	1.21E+00
1611	494761.06	3858751.99	3.66E-01	4.00E-04	5.84E-01	4.92E-02	1.00E+00	4.83E-01	3.84E+01	5.84E+00	2.52E-01	4.50E+01	4.69E-01	4.85E-04	5.84E-01	4.92E-02	1.10E+00
1612	494811.06	3858751.99	3.43E-01	4.00E-04	5.24E-01	4.94E-02	9.17E-01	4.53E-01	3.83E+01	5.24E+00	2.52E-01	4.43E+01	4.40E-01	4.84E-04	5.24E-01	4.94E-02	1.01E+00
1613	494861.06	3858751.99	3.24E-01	3.99E-04	4.78E-01	4.95E-02	8.52E-01	4.27E-01	3.83E+01	4.78E+00	2.53E-01	4.37E+01	4.15E-01	4.84E-04	4.78E-01	4.95E-02	9.43E-01
1614	494911.06	3858751.99	3.02E-01	3.99E-04	4.34E-01	4.96E-02	7.86E-01	3.99E-01	3.82E+01	4.34E+00	2.54E-01	4.32E+01	3.87E-01	4.83E-04	4.34E-01	4.96E-02	8.72E-01
1615	494961.06	3858751.99	2.88E-01	3.98E-04	4.11E-01	4.97E-02	7.49E-01	3.81E-01	3.82E+01	4.11E+00	2.54E-01	4.29E+01	3.70E-01	4.82E-04	4.11E-01	4.97E-02	8.31E-01
1616	495011.06	3858751.99	2.84E-01	3.98E-04	3.98E-01	4.98E-02	7.32E-01	3.75E-01	3.81E+01	3.98E+00	2.54E-01	4.27E+01	3.64E-01	4.82E-04	3.98E-01	4.98E-02	8.12E-01
1617	495061.06	3858751.99	2.91E-01	3.97E-04	3.83E-01	4.98E-02	7.24E-01	3.84E-01	3.81E+01	3.83E+00	2.55E-01	4.25E+01	3.73E-01	4.81E-04	3.83E-01	4.98E-02	8.06E-01
1618	495111.06	3858751.99	2.98E-01	3.96E-04	3.56E-01	5.00E-02	7.05E-01	3.94E-01	3.80E+01	3.56E+00	2.55E-01	4.22E+01	3.83E-01	4.80E-04	3.56E-01	5.00E-02	7.89E-01
1619	495161.06	3858751.99	3.06E-01	3.96E-04	2.95E-01	5.00E-02	6.52E-01	4.05E-01	3.80E+01	2.95E+00	2.55E-01	4.16E+01	3.93E-01	4.80E-04	2.95E-01	5.00E-02	7.39E-01
1620	495211.06	3858751.99	3.14E-01	3.95E-04	2.35E-01	5.01E-02	6.00E-01	4.15E-01	3.79E+01	2.35E+00	2.56E-01	4.09E+01	4.03E-01	4.79E-04	2.35E-01	5.01E-02	6.88E-01
1621	495261.06	3858751.99	3.22E-01	3.95E-04	2.34E-01	5.00E-02	6.06E-01	4.25E-01	3.79E+01	2.34E+00	2.56E-01	4.09E+01	4.13E-01	4.78E-04	2.34E-01	5.00E-02	6.97E-01
1622	495311.06	3858751.99	3.30E-01	3.94E-04	2.33E-01	5.00E-02	6.13E-01	4.35E-01	3.78E+01	2.33E+00	2.55E-01	4.08E+01	4.23E-01	4.77E-04	2.33E-01	5.00E-02	7.06E-01
1623	495361.06	3858751.99	3.37E-01	3.94E-04	2.33E-01	5.00E-02	6.21E-01	4.46E-01	3.77E+01	2.33E+00	2.55E-01	4.08E+01	4.33E-01	4.77E-04	2.33E-01	5.00E-02	7.16E-01
1624	495411.06	3858751.99	3.45E-01	3.93E-04	2.33E-01	4.99E-02	6.29E-01	4.56E-01	3.77E+01	2.33E+00	2.55E-01	4.07E+01	4.43E-01	4.76E-04	2.33E-01	4.99E-02	7.26E-01
1625	495461.06	3858751.99	3.53E-01	3.92E-04	2.34E-01	4.99E-02	6.37E-01	4.66E-01	3.76E+01	2.34E+00	2.55E-01	4.07E+01	4.52E-01	4.75E-04	2.34E-01	4.99E-02	7.36E-01
1626	495511.06	3858751.99	3.60E-01	3.92E-04	2.34E-01	4.99E-02	6.44E-01	4.76E-01	3.76E+01	2.34E+00	2.55E-01	4.06E+01	4.62E-01	4.75E-04	2.34E-01	4.99E-02	7.46E-01
1627	495561.06	3858751.99	3.67E-01	3.91E-04	2.34E-01	4.99E-02	6.52E-01	4.85E-01	3.75E+01	2.34E+00	2.55E-01	4.06E+01	4.71E-01	4.74E-04	2.34E-01	4.99E-02	7.55E-01
1628	495611.06	3858751.99	3.74E-01	3.90E-04	2.34E-01	4.99E-02	6.59E-01	4.95E-01	3.74E+01	2.34E+00	2.55E-01	4.05E+01	4.80E-01	4.73E-04	2.34E-01	4.99E-02	7.65E-01
1629	495661.06	3858751.99	3.82E-01	3.90E-04	2.34E-01	4.99E-02	6.66E-01	5.04E-01	3.74E+01	2.34E+00	2.55E-01	4.05E+01	4.89E-01	4.72E-04	2.34E-01	4.99E-02	7.74E-01
1630	494311.06	3858801.99	3.33E-01	4.05E-04	6.17E-01	5.00E-02	1.00E+00	4.40E-01	3.88E+01	6.17E+00	2.55E-01	4.57E+01	4.27E-01	4.91E-04	6.17E-01	5.00E-02	1.09E+00
1631	494361.06	3858801.99	4.20E-01	4.04E-04	1.04E+00	5.16E-02	1.52E+00	5.54E-01	3.88E+01	1.04E+01	2.64E-01	5.00E+01	5.38E-01	4.90E-04	1.04E+00	5.16E-02	1.63E+00
1632	494411.06	3858801.99	4.48E-01	4.04E-04	1.16E+00	5.68E-02	1.66E+00	5.91E-01	3.87E+01	1.16E+01	2.90E-01	5.11E+01	5.74E-01	4.89E-04	1.16E+00	5.68E-02	1.79E+00
1633	494461.06	3858801.99	4.64E-01	4.03E-04	1.12E+00	5.48E-02	1.64E+00	6.13E-01	3.87E+01	1.12E+01	2.80E-01	5.07E+01	5.95E-01	4.88E-04	1.12E+00	5.48E-02	1.77E+00
1634	494511.06	3858801.99	4.74E-01	4.02E-04	8.75E-01	5.17E-02	1.40E+00	6.26E-01	3.86E+01	8.75E+00	2.64E-01	4.82E+01	6.08E-01	4.87E-04	8.75E-01	5.17E-02	1.54E+00
1635	494561.06	3858801.99	4.74E-01	4.02E-04	8.70E-01	5.18E-02	1.40E+00	6.26E-01	3.85E+01	8.70E+00	2.64E-01	4.81E+01	6.07E-01	4.87E-04	8.70E-01	5.18E-02	1.53E+00
1636	494611.06	3858801.99	4.66E-01	4.01E-04	8.45E-01	5.14E-02	1.36E+00	6.15E-01	3.85E+01	8.45E+00	2.63E-01	4.78E+01	5.97E-01	4.86E-04	8.45E-01	5.14E-02	1.49E+00
1637	494661.06	3858801.99	4.48E-01	4.00E-04	7.93E-01	5.03E-02	1.29E+00	5.91E-01	3.84E+01	7.93E+00	2.57E-01	4.72E+01	5.74E-01	4.85E-04	7.93E-01	5.03E-02	1.42E+00
1638	494711.06	3858801.99	4.25E-01	4.00E-04	7.29E-01	4.97E-02	1.20E+00	5.61E-01	3.83E+01	7.29E+00	2.54E-01	4.64E+01	5.45E-01	4.84E-04	7.29E-01	4.97E-02	1.32E+00
1639	494761.06	3858801.99	3.97E-01	3.99E-04	6.51E-01	4.98E-02	1.10E+00	5.24E-01	3.83E+01	6.51E+00	2.54E-01	4.56E+01	5.09E-01	4.83E-04	6.51E-01	4.98E-02	1.21E+00
1640	494811.06	3858801.99	3.68E-01	3.98E-04	5.75E-01	5.00E-02	9.94E-01	4.86E-01	3.82E+01	5.75E+00	2.55E-01	4.47E+01	4.72E-01	4.83E-04	5.75E-01	5.00E-02	1.10E+00
1641	494861.06	3858801.99	3.56E-01	3.98E-04	5.42E-01	5.00E-02	9.49E-01	4.70E-01	3.81E+01	5.42E+00	2.56E-01	4.43E+01	4.56E-01	4.82E-04	5.42E-01	5.00E-02	1.05E+00
1642	494911.06	3858801.99	3.34E-01	3.97E-04	4.90E-01	5.02E-02	8.75E-01	4.42E-01	3.81E+01	4.90E+00	2.56E-01	4.37E+01	4.29E-01	4.81E-04	4.90E-01	5.02E-02	9.70E-01
1643	494961.06	3858801.99	3.20E-01	3.96E-04	4.58E-01	5.02E-02	8.29E-01	4.23E-01	3.80E+01	4.58E+00	2.57E-01	4.33E+01	4.11E-01	4.80E-04	4.58E-01	5.02E-02	9.20E-01

1644	495011.06	3858801.99	3.05E-01	3.96E-04	4.28E-01	5.03E-02	7.84E-01	4.03E-01	3.79E+01	4.28E+00	2.57E-01	4.29E+01	3.91E-01	4.79E-04	4.28E-01	5.03E-02	8.70E-01
1645	495061.06	3858801.99	2.98E-01	3.95E-04	4.13E-01	5.03E-02	7.61E-01	3.94E-01	3.79E+01	4.13E+00	2.57E-01	4.26E+01	3.82E-01	4.78E-04	4.13E-01	5.03E-02	8.46E-01
1646	495111.06	3858801.99	2.77E-01	3.94E-04	3.85E-01	5.04E-02	7.13E-01	3.66E-01	3.78E+01	3.85E+00	2.58E-01	4.23E+01	3.55E-01	4.77E-04	3.85E-01	5.04E-02	7.91E-01
1647	495161.06	3858801.99	2.77E-01	3.93E-04	3.74E-01	5.05E-02	7.02E-01	3.66E-01	3.77E+01	3.74E+00	2.58E-01	4.21E+01	3.56E-01	4.77E-04	3.74E-01	5.05E-02	7.80E-01
1648	495211.06	3858801.99	2.81E-01	3.93E-04	3.70E-01	5.05E-02	7.02E-01	3.71E-01	3.77E+01	3.70E+00	2.58E-01	4.20E+01	3.60E-01	4.76E-04	3.70E-01	5.05E-02	7.81E-01
1649	495261.06	3858801.99	2.84E-01	3.92E-04	3.68E-01	5.05E-02	7.03E-01	3.75E-01	3.76E+01	3.68E+00	2.58E-01	4.19E+01	3.64E-01	4.75E-04	3.68E-01	5.05E-02	7.83E-01
1650	495311.06	3858801.99	2.90E-01	3.91E-04	3.67E-01	5.04E-02	7.08E-01	3.83E-01	3.75E+01	3.67E+00	2.58E-01	4.18E+01	3.72E-01	4.74E-04	3.67E-01	5.04E-02	7.89E-01
1651	495361.06	3858801.99	2.98E-01	3.90E-04	3.65E-01	5.04E-02	7.13E-01	3.93E-01	3.74E+01	3.65E+00	2.58E-01	4.17E+01	3.82E-01	4.73E-04	3.65E-01	5.04E-02	7.97E-01
1652	495411.06	3858801.99	3.06E-01	3.90E-04	3.65E-01	5.03E-02	7.22E-01	4.04E-01	3.74E+01	3.65E+00	2.57E-01	4.17E+01	3.92E-01	4.72E-04	3.65E-01	5.03E-02	8.08E-01
1653	495461.06	3858801.99	3.13E-01	3.89E-04	3.62E-01	5.03E-02	7.26E-01	4.14E-01	3.73E+01	3.62E+00	2.57E-01	4.16E+01	4.02E-01	4.71E-04	3.62E-01	5.03E-02	8.15E-01
1654	495511.06	3858801.99	3.21E-01	3.88E-04	3.59E-01	5.03E-02	7.31E-01	4.24E-01	3.72E+01	3.59E+00	2.57E-01	4.15E+01	4.12E-01	4.70E-04	3.59E-01	5.03E-02	8.21E-01
1655	495561.06	3858801.99	3.29E-01	3.87E-04	3.57E-01	5.03E-02	7.36E-01	4.34E-01	3.72E+01	3.57E+00	2.57E-01	4.14E+01	4.21E-01	4.69E-04	3.57E-01	5.03E-02	8.29E-01
1656	495611.06	3858801.99	3.36E-01	3.87E-04	2.99E-01	5.03E-02	6.86E-01	4.44E-01	3.71E+01	2.99E+00	2.57E-01	4.08E+01	4.31E-01	4.68E-04	2.99E-01	5.03E-02	7.81E-01
1657	495661.06	3858801.99	3.44E-01	3.86E-04	2.79E-01	5.03E-02	6.73E-01	4.54E-01	3.70E+01	2.79E+00	2.57E-01	4.05E+01	4.41E-01	4.68E-04	2.79E-01	5.03E-02	7.70E-01
1658	494311.06	3858851.99	4.59E-01	4.02E-04	1.01E+00	5.79E-02	1.52E+00	6.06E-01	3.85E+01	1.01E+01	2.96E-01	4.95E+01	5.88E-01	4.87E-04	1.01E+00	5.79E-02	1.65E+00
1659	494361.06	3858851.99	5.10E-01	4.01E-04	1.31E+00	7.68E-02	1.90E+00	6.74E-01	3.85E+01	1.31E+01	3.92E-01	5.26E+01	6.54E-01	4.86E-04	1.31E+00	7.68E-02	2.04E+00
1660	494411.06	3858851.99	5.06E-01	4.00E-04	1.31E+00	7.57E-02	1.90E+00	6.68E-01	3.84E+01	1.31E+01	3.87E-01	5.26E+01	6.48E-01	4.85E-04	1.31E+00	7.57E-02	2.04E+00
1661	494461.06	3858851.99	5.09E-01	3.99E-04	1.24E+00	7.09E-02	1.82E+00	6.73E-01	3.83E+01	1.24E+01	3.62E-01	5.17E+01	6.53E-01	4.84E-04	1.24E+00	7.09E-02	1.96E+00
1662	494511.06	3858851.99	5.13E-01	3.99E-04	9.24E-01	5.65E-02	1.49E+00	6.78E-01	3.82E+01	9.24E+00	2.89E-01	4.84E+01	6.58E-01	4.83E-04	9.24E-01	5.65E-02	1.64E+00
1663	494561.06	3858851.99	5.10E-01	3.98E-04	9.15E-01	5.64E-02	1.48E+00	6.74E-01	3.82E+01	9.15E+00	2.88E-01	4.83E+01	6.54E-01	4.82E-04	9.15E-01	5.64E-02	1.63E+00
1664	494611.06	3858851.99	4.98E-01	3.97E-04	8.86E-01	5.58E-02	1.44E+00	6.58E-01	3.81E+01	8.86E+00	2.85E-01	4.79E+01	6.38E-01	4.81E-04	8.86E-01	5.58E-02	1.58E+00
1665	494661.06	3858851.99	4.81E-01	3.96E-04	8.42E-01	5.48E-02	1.38E+00	6.35E-01	3.80E+01	8.42E+00	2.80E-01	4.73E+01	6.16E-01	4.80E-04	8.42E-01	5.48E-02	1.51E+00
1666	494711.06	3858851.99	4.52E-01	3.95E-04	7.69E-01	5.29E-02	1.27E+00	5.97E-01	3.79E+01	7.69E+00	2.70E-01	4.65E+01	5.79E-01	4.79E-04	7.69E-01	5.29E-02	1.40E+00
1667	494761.06	3858851.99	4.25E-01	3.95E-04	6.98E-01	5.08E-02	1.17E+00	5.61E-01	3.78E+01	6.98E+00	2.59E-01	4.56E+01	5.45E-01	4.78E-04	6.98E-01	5.08E-02	1.29E+00
1668	494811.06	3858851.99	4.04E-01	3.94E-04	6.42E-01	5.05E-02	1.10E+00	5.34E-01	3.78E+01	6.42E+00	2.58E-01	4.50E+01	5.18E-01	4.77E-04	6.42E-01	5.05E-02	1.21E+00
1669	494861.06	3858851.99	3.92E-01	3.93E-04	6.10E-01	5.05E-02	1.05E+00	5.18E-01	3.77E+01	6.10E+00	2.58E-01	4.45E+01	5.03E-01	4.76E-04	6.10E-01	5.05E-02	1.16E+00
1670	494911.06	3858851.99	3.73E-01	3.92E-04	5.60E-01	5.06E-02	9.83E-01	4.92E-01	3.76E+01	5.60E+00	2.58E-01	4.39E+01	4.78E-01	4.75E-04	5.60E-01	5.06E-02	1.09E+00
1671	494961.06	3858851.99	3.57E-01	3.91E-04	5.20E-01	5.07E-02	9.28E-01	4.71E-01	3.75E+01	5.20E+00	2.59E-01	4.34E+01	4.57E-01	4.74E-04	5.20E-01	5.07E-02	1.03E+00
1672	495011.06	3858851.99	3.45E-01	3.90E-04	4.91E-01	5.07E-02	8.87E-01	4.56E-01	3.74E+01	4.91E+00	2.59E-01	4.31E+01	4.42E-01	4.73E-04	4.91E-01	5.07E-02	9.85E-01
1673	495061.06	3858851.99	3.30E-01	3.89E-04	4.57E-01	5.08E-02	8.39E-01	4.36E-01	3.74E+01	4.57E+00	2.59E-01	4.26E+01	4.23E-01	4.72E-04	4.57E-01	5.08E-02	9.32E-01
1674	495111.06	3858851.99	2.99E-01	3.89E-04	4.01E-01	5.09E-02	7.51E-01	3.94E-01	3.73E+01	4.01E+00	2.60E-01	4.19E+01	3.83E-01	4.71E-04	4.01E-01	5.09E-02	8.36E-01
1675	495161.06	3858851.99	2.85E-01	3.88E-04	3.82E-01	5.10E-02	7.19E-01	3.77E-01	3.72E+01	3.82E+00	2.60E-01	4.16E+01	3.66E-01	4.70E-04	3.82E-01	5.10E-02	7.99E-01
1676	495211.06	3858851.99	2.92E-01	3.87E-04	3.87E-01	5.09E-02	7.30E-01	3.85E-01	3.71E+01	3.87E+00	2.60E-01	4.16E+01	3.74E-01	4.69E-04	3.87E-01	5.09E-02	8.12E-01
1677	495261.06	3858851.99	2.92E-01	3.86E-04	3.85E-01	5.09E-02	7.28E-01	3.86E-01	3.70E+01	3.85E+00	2.60E-01	4.15E+01	3.74E-01	4.68E-04	3.85E-01	5.09E-02	8.11E-01
1678	495311.06	3858851.99	2.96E-01	3.85E-04	3.87E-01	5.08E-02	7.35E-01	3.91E-01	3.69E+01	3.87E+00	2.60E-01	4.15E+01	3.80E-01	4.67E-04	3.87E-01	5.08E-02	8.18E-01
1679	495361.06	3858851.99	2.98E-01	3.84E-04	3.86E-01	5.08E-02	7.35E-01	3.93E-01	3.69E+01	3.86E+00	2.59E-01	4.14E+01	3.81E-01	4.66E-04	3.86E-01	5.08E-02	8.19E-01
1680	495411.06	3858851.99	2.99E-01	3.84E-04	3.85E-01	5.07E-02	7.35E-01	3.95E-01	3.68E+01	3.85E+00	2.59E-01	4.13E+01	3.83E-01	4.65E-04	3.85E-01	5.07E-02	8.20E-01
1681	495461.06	3858851.99	3.01E-01	3.83E-04	3.86E-01	5.07E-02	7.38E-01	3.98E-01	3.67E+01	3.86E+00	2.59E-01	4.12E+01	3.86E-01	4.64E-04	3.86E-01	5.07E-02	8.23E-01
1682	495511.06	3858851.99	2.98E-01	3.82E-04	4.09E-01	5.06E-02	7.58E-01	3.94E-01	3.66E+01	4.09E+00	2.58E-01	4.14E+01	3.83E-01	4.63E-04	4.09E-01	5.06E-02	8.42E-01
1683	495561.06	3858851.99	2.90E-01	3.81E-04	3.66E-01	5.06E-02	7.06E-01	3.82E-01	3.65E+01	3.66E+00	2.59E-01	4.08E+01	3.71E-01	4.62E-04	3.66E-01	5.06E-02	7.88E-01
1684	495611.06	3858851.99	2.97E-01	3.80E-04	3.58E-01	5.06E-02	7.06E-01	3.92E-01	3.65E+01	3.58E+00	2.59E-01	4.07E+01	3.81E-01	4.61E-04	3.58E-01	5.06E-02	7.90E-01
1685	495661.06	3858851.99	3.05E-01	3.79E-04	3.57E-01	5.06E-02	7.13E-01	4.03E-01	3.64E+01	3.57E+00	2.58E-01	4.06E+01	3.91E-01	4.59E-04	3.57E-01	5.06E-02	7.99E-01
1686	494311.06	3858901.99	5.31E-01	3.95E-04	1.11E+00	7.70E-02	1.72E+00	7.01E-01	3.79E+01	1.11E+01	3.93E-01	5.01E+01	6.81E-01	4.79E-04	1.11E+00	7.70E-02	1.87E+00
1687	494361.06	3858901.99	5.71E-01	3.94E-04	1.28E+00	9.09E-02	1.94E+00	7.55E-01	3.78E+01	1.28E+01	4.64E-01	5.18E+01	7.33E-01	4.78E-04	1.28E+00	9.09E-02	2.10E+00
1688	494411.06	3858901.99	5.74E-01	3.94E-04	1.31E+00	9.19E-02	1.97E+00	7.59E-01	3.77E+01	1.31E+01	4.70E-01	5.20E+01	7.36E-01	4.77E-04	1.31E+00	9.19E-02	2.14E+00
1689	494461.06	3858901.99	5.77E-01	3.93E-04	9.51E-01	6.77E-02	1.60E+00	7.62E-01	3.77E+01	9.51E+00	3.46E-01	4.83E+01	7.39E-01	4.76E-04	9.51E-01	6.77E-02	1.76E+00
1690	494511.06	3858901.99	5.73E-01	3.92E-04	9.60E-01	6.72E-02	1.60E+00	7.57E-01	3.76E+01	9.60E+00	3.43E-01	4.83E+01	7.35E-01	4.74E-04	9.60E-01	6.72E-02	1.76E+00
1691	494561.06	3858901.99	5.54E-01	3.91E-04	9.41E-01	6.35E-02	1.56E+00	7.31E-01	3.75E+01	9.41E+00	3.24E-01	4.79E+01	7.10E-01	4.73E-04	9.41E-01	6.35E-02	1.71E+00
1692	494611.06	3858901.99	5.24E-01	3.90E-04	8.88E-01	5.94E-02	1.47E+00	6.92E-01	3.74E+01	8.88E+00	3.04E-01	4.73E+01	6.71E-01	4.72E-04	8.88E-01	5.94E-02	1.62E+00
1693	494661.06	3858901.99	5.12E-01	3.89E-04	8.63E-01	5.88E-02	1.43E+00	6.77E-01	3.73E+01	8.63E+00	3.00E-01	4.69E+01	6.57E-01	4.71E-04	8.63E-01	5.88E-02	1.58E+00
1694	494711.06	3858901.99	4.87E-01	3.88E-04	8.07E-01	5.72E-02	1.35E+00	6.43E-01	3.72E+01	8.07E+00	2.92E-01	4.62E+01	6.24E-01	4.70E-04	8.07E-01	5.72E-02	1.49E+00
1695	494761.06	3858901.99	4.55E-01	3.87E-04	7.34E-01	5.50E-02	1.24E+00	6.01E-01	3.71E+01	7.34E+00	2.81E-01	4.53E+01	5.84E-01	4.69E-04	7.34E-01	5.50E-02	1.37E+00
1696	494811.06	3858901.99	4.40E-01	3.86E-04	6.96E-01	5.37E-02	1.19E+00	5.81E-01	3.70E+01	6.96E+00	2.74E-01	4.48E+01	5.64E-01	4.68E-04	6.96E-01	5.37E-02	1.31E+00
1697	494861.06	3858901.99	4.30E-01	3.85E-04	6.70E-01	5.27E-02	1.15E+00	5.68E-01	3.69E+01	6.70E+00	2.69E-01	4.45E+01	5.51E-01	4.66E-04	6.70E-01	5.27E-02	1.27E+00
1698	494911.06	3858901.99	3.99E-01	3.84E-04	5.95E-01	5.10E-02	1.05E+00	5.28E-01	3.68E+01	5.95E+00	2.61E-01	4.36E+01	5.12E-01	4.65E-04	5.95E-01	5.10E-02	1.16E+00
1699	494961.06	3858901.99	3.86E-01	3.83E-04	5.62E-01	5.11E-02	9.99E-01	5.10E-01	3.67E+01	5.62E+00	2.61E-01	4.31E+01	4.95E-01	4.64E-04	5.62E-01	5.11E-02	1.11E+00
1700	495011.06	3858901.99	3.72E-01	3.82E-04	5.30E-01	5.11E-02	9.54E-01	4.92E-01	3.67E+01	5.30E+00	2.61E-01	4.27E+01	4.78E-01	4.63E-04	5.30E-01	5.11E-02	1.06E+00
1701	495061.06	3858901.99	3.51E-01	3.81E-04	4.80E-01	5.12E-02	8.82E-01	4.63E-01	3.66E+01	4.80E+00	2.62E-01	4.21E+01	4.50E-01	4.62E-04	4.80E-01	5.12E-02	9.81E-01
1702	495111.06	3858901.99	3.18E-01	3.80E-04	4.15E-01	5.14E-02	7.85E-01	4.19E-01	3.65E+01	4.15E+00	2.62E-01	4.13E+01	4.07E-01	4.61E-04	4.15E-01	5.14E-02	8.74E-01
1703	495161.06	3858901.99	3.12E-01	3.79E-04	4.04E-01	5.13E-02	7.68E-01	4.12E-01	3.64E+01	4.04E+00	2.62E-01	4.11E+01	4.00E-01	4.60E-04	4.04E-01	5.13E-02	8.56E-01
1704	495211.06	3858901.99	3.25E-01	3.78E-04	4.23E-01	5.12E-02	8.00E-01	4.29E-01	3.63E+01	4.23E+00	2.62E-01	4.12E+01	4.17E-01	4.58E-04	4.23E-01	5.12E-02	8.91E-01

1705	495261.06	3858901.99	3.28E-01	3.77E-04	4.26E-01	5.12E-02	8.06E-01	4.33E-01	3.62E+01	4.26E+00	2.61E-01	4.12E+01	4.21E-01	4.57E-04	4.26E-01	5.12E-02	8.98E-01
1706	495311.06	3858901.99	3.28E-01	3.77E-04	4.23E-01	5.11E-02	8.03E-01	4.33E-01	3.61E+01	4.23E+00	2.61E-01	4.10E+01	4.20E-01	4.56E-04	4.23E-01	5.11E-02	8.95E-01
1707	495361.06	3858901.99	3.29E-01	3.76E-04	4.22E-01	5.11E-02	8.02E-01	4.34E-01	3.60E+01	4.22E+00	2.61E-01	4.09E+01	4.22E-01	4.55E-04	4.22E-01	5.11E-02	8.95E-01
1708	495411.06	3858901.99	3.35E-01	3.75E-04	4.30E-01	5.10E-02	8.17E-01	4.42E-01	3.59E+01	4.30E+00	2.60E-01	4.09E+01	4.29E-01	4.54E-04	4.30E-01	5.10E-02	9.11E-01
1709	495461.06	3858901.99	3.32E-01	3.74E-04	4.23E-01	5.10E-02	8.07E-01	4.39E-01	3.58E+01	4.23E+00	2.60E-01	4.08E+01	4.26E-01	4.53E-04	4.23E-01	5.10E-02	9.00E-01
1710	495511.06	3858901.99	3.25E-01	3.73E-04	4.08E-01	5.09E-02	7.84E-01	4.29E-01	3.58E+01	4.08E+00	2.60E-01	4.05E+01	4.16E-01	4.52E-04	4.08E-01	5.09E-02	8.75E-01
1711	495561.06	3858901.99	3.20E-01	3.72E-04	3.97E-01	5.09E-02	7.68E-01	4.22E-01	3.57E+01	3.97E+00	2.60E-01	4.03E+01	4.10E-01	4.51E-04	3.97E-01	5.09E-02	8.59E-01
1712	495611.06	3858901.99	3.11E-01	3.71E-04	3.82E-01	5.09E-02	7.44E-01	4.10E-01	3.56E+01	3.82E+00	2.60E-01	4.01E+01	3.98E-01	4.49E-04	3.82E-01	5.09E-02	8.31E-01
1713	495661.06	3858901.99	3.14E-01	3.70E-04	3.84E-01	5.08E-02	7.50E-01	4.15E-01	3.55E+01	3.84E+00	2.60E-01	4.00E+01	4.02E-01	4.48E-04	3.84E-01	5.08E-02	8.38E-01
1714	494311.06	3858951.99	6.27E-01	3.86E-04	1.21E+00	1.08E-01	1.95E+00	8.29E-01	3.70E+01	1.21E+01	5.51E-01	5.05E+01	8.04E-01	4.67E-04	1.21E+00	1.08E-01	2.13E+00
1715	494361.06	3858951.99	6.44E-01	3.85E-04	1.29E+00	1.15E-01	2.05E+00	8.50E-01	3.69E+01	1.29E+01	5.87E-01	5.12E+01	8.25E-01	4.66E-04	1.29E+00	1.15E-01	2.23E+00
1716	494411.06	3858951.99	6.32E-01	3.84E-04	1.26E+00	1.09E-01	2.00E+00	8.35E-01	3.68E+01	1.26E+01	5.56E-01	5.08E+01	8.10E-01	4.65E-04	1.26E+00	1.09E-01	2.18E+00
1717	494461.06	3858951.99	6.36E-01	3.83E-04	9.20E-01	8.04E-02	1.64E+00	8.40E-01	3.67E+01	9.20E+00	4.11E-01	4.71E+01	8.16E-01	4.64E-04	9.20E-01	8.04E-02	1.82E+00
1718	494511.06	3858951.99	6.27E-01	3.82E-04	9.23E-01	7.85E-02	1.63E+00	8.28E-01	3.66E+01	9.23E+00	4.01E-01	4.71E+01	8.03E-01	4.62E-04	9.23E-01	7.85E-02	1.81E+00
1719	494561.06	3858951.99	6.08E-01	3.81E-04	9.14E-01	7.47E-02	1.60E+00	8.03E-01	3.65E+01	9.14E+00	3.82E-01	4.68E+01	7.80E-01	4.61E-04	9.14E-01	7.47E-02	1.77E+00
1720	494611.06	3858951.99	5.80E-01	3.79E-04	8.86E-01	6.88E-02	1.54E+00	7.66E-01	3.64E+01	8.86E+00	3.52E-01	4.64E+01	7.43E-01	4.60E-04	8.86E-01	6.88E-02	1.70E+00
1721	494661.06	3858951.99	5.53E-01	3.78E-04	8.57E-01	6.35E-02	1.47E+00	7.31E-01	3.63E+01	8.57E+00	3.24E-01	4.59E+01	7.09E-01	4.58E-04	8.57E-01	6.35E-02	1.63E+00
1722	494711.06	3858951.99	5.16E-01	3.77E-04	8.00E-01	6.03E-02	1.38E+00	6.81E-01	3.62E+01	8.00E+00	3.08E-01	4.52E+01	6.61E-01	4.57E-04	8.00E-01	6.03E-02	1.52E+00
1723	494761.06	3858951.99	4.91E-01	3.76E-04	7.59E-01	5.89E-02	1.31E+00	6.48E-01	3.61E+01	7.59E+00	3.01E-01	4.46E+01	6.29E-01	4.56E-04	7.59E-01	5.89E-02	1.45E+00
1724	494811.06	3858951.99	4.78E-01	3.75E-04	7.33E-01	5.78E-02	1.27E+00	6.32E-01	3.60E+01	7.33E+00	2.95E-01	4.43E+01	6.13E-01	4.55E-04	7.33E-01	5.78E-02	1.40E+00
1725	494861.06	3858951.99	4.66E-01	3.74E-04	7.07E-01	5.67E-02	1.23E+00	6.15E-01	3.59E+01	7.07E+00	2.90E-01	4.39E+01	5.97E-01	4.54E-04	7.07E-01	5.67E-02	1.36E+00
1726	494911.06	3858951.99	4.44E-01	3.73E-04	6.58E-01	5.48E-02	1.16E+00	5.86E-01	3.58E+01	6.58E+00	2.80E-01	4.33E+01	5.69E-01	4.52E-04	6.58E-01	5.48E-02	1.28E+00
1727	494961.06	3858951.99	4.36E-01	3.72E-04	6.40E-01	5.38E-02	1.13E+00	5.76E-01	3.57E+01	6.40E+00	2.75E-01	4.30E+01	5.59E-01	4.51E-04	6.40E-01	5.38E-02	1.25E+00
1728	495011.06	3858951.99	3.98E-01	3.71E-04	5.54E-01	5.15E-02	1.00E+00	5.26E-01	3.56E+01	5.54E+00	2.63E-01	4.19E+01	5.10E-01	4.50E-04	5.54E-01	5.15E-02	1.12E+00
1729	495061.06	3858951.99	3.62E-01	3.70E-04	4.77E-01	5.16E-02	8.91E-01	4.78E-01	3.55E+01	4.77E+00	2.64E-01	4.10E+01	4.64E-01	4.49E-04	4.77E-01	5.16E-02	9.94E-01
1730	495111.06	3858951.99	3.37E-01	3.69E-04	4.27E-01	5.17E-02	8.17E-01	4.45E-01	3.54E+01	4.27E+00	2.64E-01	4.04E+01	4.32E-01	4.47E-04	4.27E-01	5.17E-02	9.12E-01
1731	495161.06	3858951.99	3.57E-01	3.68E-04	4.63E-01	5.15E-02	8.71E-01	4.71E-01	3.53E+01	4.63E+00	2.63E-01	4.07E+01	4.57E-01	4.46E-04	4.63E-01	5.15E-02	9.72E-01
1732	495211.06	3858951.99	3.61E-01	3.67E-04	4.69E-01	5.15E-02	8.82E-01	4.77E-01	3.52E+01	4.69E+00	2.63E-01	4.07E+01	4.63E-01	4.45E-04	4.69E-01	5.15E-02	9.84E-01
1733	495261.06	3858951.99	3.65E-01	3.66E-04	4.75E-01	5.14E-02	8.91E-01	4.82E-01	3.51E+01	4.75E+00	2.63E-01	4.06E+01	4.67E-01	4.44E-04	4.75E-01	5.14E-02	9.94E-01
1734	495311.06	3858951.99	3.55E-01	3.65E-04	4.54E-01	5.14E-02	8.60E-01	4.69E-01	3.50E+01	4.54E+00	2.63E-01	4.03E+01	4.55E-01	4.43E-04	4.54E-01	5.14E-02	9.61E-01
1735	495361.06	3858951.99	3.60E-01	3.64E-04	4.62E-01	5.13E-02	8.74E-01	4.76E-01	3.50E+01	4.62E+00	2.62E-01	4.03E+01	4.62E-01	4.42E-04	4.62E-01	5.13E-02	9.76E-01
1736	495411.06	3858951.99	3.68E-01	3.64E-04	4.76E-01	5.12E-02	8.95E-01	4.86E-01	3.49E+01	4.76E+00	2.62E-01	4.04E+01	4.72E-01	4.40E-04	4.76E-01	5.12E-02	9.99E-01
1737	495461.06	3858951.99	3.67E-01	3.63E-04	4.72E-01	5.12E-02	8.90E-01	4.85E-01	3.48E+01	4.72E+00	2.61E-01	4.02E+01	4.70E-01	4.39E-04	4.72E-01	5.12E-02	9.94E-01
1738	495511.06	3858951.99	3.71E-01	3.62E-04	4.78E-01	5.11E-02	9.00E-01	4.90E-01	3.47E+01	4.78E+00	2.61E-01	4.02E+01	4.75E-01	4.38E-04	4.78E-01	5.11E-02	1.01E+00
1739	495561.06	3858951.99	3.54E-01	3.61E-04	4.42E-01	5.11E-02	8.47E-01	4.67E-01	3.46E+01	4.42E+00	2.61E-01	3.97E+01	4.54E-01	4.37E-04	4.42E-01	5.11E-02	9.47E-01
1740	495611.06	3858951.99	3.46E-01	3.60E-04	4.25E-01	5.11E-02	8.23E-01	4.57E-01	3.45E+01	4.25E+00	2.61E-01	3.95E+01	4.44E-01	4.36E-04	4.25E-01	5.11E-02	9.20E-01
1741	495661.06	3858951.99	3.50E-01	3.59E-04	4.31E-01	5.10E-02	8.33E-01	4.63E-01	3.44E+01	4.31E+00	2.60E-01	3.94E+01	4.49E-01	4.35E-04	4.31E-01	5.10E-02	9.32E-01
1742	494311.06	3859001.99	7.03E-01	3.73E-04	1.16E+00	1.33E-01	2.00E+00	9.29E-01	3.58E+01	1.16E+01	6.80E-01	4.90E+01	9.01E-01	4.52E-04	1.16E+00	1.33E-01	2.20E+00
1743	494361.06	3859001.99	7.02E-01	3.72E-04	1.10E+00	1.25E-01	1.93E+00	9.28E-01	3.57E+01	1.10E+01	6.36E-01	4.83E+01	9.01E-01	4.51E-04	1.10E+00	1.25E-01	2.13E+00
1744	494411.06	3859001.99	6.99E-01	3.71E-04	8.41E-01	9.42E-02	1.63E+00	9.23E-01	3.56E+01	8.41E+00	4.81E-01	4.54E+01	8.96E-01	4.49E-04	8.41E-01	9.42E-02	1.83E+00
1745	494461.06	3859001.99	6.92E-01	3.70E-04	8.50E-01	9.26E-02	1.63E+00	9.14E-01	3.55E+01	8.50E+00	4.73E-01	4.54E+01	8.87E-01	4.48E-04	8.50E-01	9.26E-02	1.83E+00
1746	494511.06	3859001.99	6.83E-01	3.69E-04	8.58E-01	9.09E-02	1.63E+00	9.03E-01	3.54E+01	8.58E+00	4.64E-01	4.53E+01	8.76E-01	4.47E-04	8.58E-01	9.09E-02	1.83E+00
1747	494561.06	3859001.99	6.57E-01	3.68E-04	8.50E-01	8.53E-02	1.59E+00	8.68E-01	3.53E+01	8.50E+00	4.36E-01	4.51E+01	8.42E-01	4.45E-04	8.50E-01	8.53E-02	1.78E+00
1748	494611.06	3859001.99	6.33E-01	3.67E-04	8.39E-01	8.01E-02	1.55E+00	8.36E-01	3.52E+01	8.39E+00	4.09E-01	4.48E+01	8.11E-01	4.44E-04	8.39E-01	8.01E-02	1.73E+00
1749	494661.06	3859001.99	6.01E-01	3.66E-04	8.16E-01	7.34E-02	1.49E+00	7.94E-01	3.51E+01	8.16E+00	3.75E-01	4.44E+01	7.71E-01	4.43E-04	8.16E-01	7.34E-02	1.66E+00
1750	494711.06	3859001.99	5.64E-01	3.64E-04	7.76E-01	6.55E-02	1.41E+00	7.45E-01	3.50E+01	7.76E+00	3.35E-01	4.38E+01	7.24E-01	4.42E-04	7.76E-01	6.55E-02	1.57E+00
1751	494761.06	3859001.99	5.42E-01	3.63E-04	7.55E-01	6.17E-02	1.36E+00	7.16E-01	3.49E+01	7.55E+00	3.15E-01	4.34E+01	6.95E-01	4.40E-04	7.55E-01	6.17E-02	1.51E+00
1752	494811.06	3859001.99	5.29E-01	3.62E-04	7.48E-01	6.10E-02	1.34E+00	6.98E-01	3.48E+01	7.48E+00	3.12E-01	4.32E+01	6.78E-01	4.39E-04	7.48E-01	6.10E-02	1.49E+00
1753	494861.06	3859001.99	5.04E-01	3.61E-04	7.18E-01	5.97E-02	1.28E+00	6.66E-01	3.47E+01	7.18E+00	3.05E-01	4.28E+01	6.46E-01	4.38E-04	7.18E-01	5.97E-02	1.42E+00
1754	494911.06	3859001.99	4.80E-01	3.60E-04	6.82E-01	5.81E-02	1.22E+00	6.35E-01	3.46E+01	6.82E+00	2.97E-01	4.23E+01	6.16E-01	4.37E-04	6.82E-01	5.81E-02	1.36E+00
1755	494961.06	3859001.99	4.60E-01	3.59E-04	6.42E-01	5.63E-02	1.16E+00	6.08E-01	3.45E+01	6.42E+00	2.88E-01	4.18E+01	5.90E-01	4.35E-04	6.42E-01	5.63E-02	1.29E+00
1756	495011.06	3859001.99	3.95E-01	3.58E-04	5.08E-01	5.19E-02	9.55E-01	5.21E-01	3.44E+01	5.08E+00	2.65E-01	4.02E+01	5.06E-01	4.34E-04	5.08E-01	5.19E-02	1.07E+00
1757	495061.06	3859001.99	3.87E-01	3.57E-04	4.93E-01	5.19E-02	9.32E-01	5.12E-01	3.43E+01	4.93E+00	2.65E-01	4.00E+01	4.96E-01	4.33E-04	4.93E-01	5.19E-02	1.04E+00
1758	495111.06	3859001.99	3.63E-01	3.56E-04	4.46E-01	5.19E-02	8.62E-01	4.80E-01	3.42E+01	4.46E+00	2.65E-01	3.94E+01	4.66E-01	4.32E-04	4.46E-01	5.19E-02	9.64E-01
1759	495161.06	3859001.99	3.93E-01	3.55E-04	5.03E-01	5.17E-02	9.48E-01	5.19E-01	3.41E+01	5.03E+00	2.64E-01	3.99E+01	5.04E-01	4.30E-04	5.03E-01	5.17E-02	1.06E+00
1760	495211.06	3859001.99	3.93E-01	3.54E-04	5.02E-01	5.17E-02	9.47E-01	5.19E-01	3.40E+01	5.02E+00	2.64E-01	3.98E+01	5.04E-01	4.29E-04	5.02E-01	5.17E-02	1.06E+00
1761	495261.06	3859001.99	3.99E-01	3.53E-04	5.13E-01	5.16E-02	9.63E-01	5.26E-01	3.39E+01	5.13E+00	2.63E-01	3.98E+01	5.11E-01	4.28E-04	5.13E-01	5.16E-02	1.08E+00
1762	495311.06	3859001.99	3.96E-01	3.52E-04	5.08E-01	5.15E-02	9.56E-01	5.24E-01	3.38E+01	5.08E+00	2.63E-01	3.97E+01	5.08E-01	4.27E-04	5.08E-01	5.15E-02	1.07E+00
1763	495361.06	3859001.99	4.01E-01	3.51E-04	5.17E-01	5.14E-02	9.70E-01	5.30E-01	3.37E+01	5.17E+00	2.63E-01	3.97E+01	5.14E-01	4.26E-04	5.17E-01	5.14E-02	1.08E+00
1764	495411.06	3859001.99	4.02E-01	3.50E-04	5.19E-01	5.14E-02	9.73E-01	5.31E-01	3.36E+01	5.19E+00	2.62E-01	3.96E+01	5.16E-01	4.24E-04	5.19E-01	5.14E-02	1.09E+00
1765	495461.06	3859001.99	4.05E-01	3.49E-04	5.24E-01	5.13E-02	9.80E-01	5.35E-01	3.35E+01	5.24E+00	2.62E-01	3.95E+01	5.19E-01	4.23E-04	5.24E-01	5.13E-02	1.09E+00

1766	495511.06	3859001.99	3.93E-01	3.48E-04	4.97E-01	5.13E-02	9.41E-01	5.19E-01	3.34E+01	4.97E+00	2.62E-01	3.92E+01	5.03E-01	4.22E-04	4.97E-01	5.13E-02	1.05E+00
1767	495561.06	3859001.99	3.88E-01	3.48E-04	4.87E-01	5.12E-02	9.26E-01	5.13E-01	3.33E+01	4.87E+00	2.62E-01	3.90E+01	4.97E-01	4.21E-04	4.87E-01	5.12E-02	1.04E+00
1768	495611.06	3859001.99	3.82E-01	3.47E-04	4.73E-01	5.12E-02	9.07E-01	5.05E-01	3.32E+01	4.73E+00	2.61E-01	3.87E+01	4.90E-01	4.20E-04	4.73E-01	5.12E-02	1.01E+00
1769	495661.06	3859001.99	3.95E-01	3.46E-04	4.99E-01	5.10E-02	9.45E-01	5.21E-01	3.32E+01	4.99E+00	2.61E-01	3.89E+01	5.06E-01	4.19E-04	4.99E-01	5.10E-02	1.06E+00
1770	494311.06	3859051.99	7.65E-01	3.58E-04	9.60E-01	1.43E-01	1.87E+00	1.01E+00	3.43E+01	9.60E+00	7.30E-01	4.57E+01	9.81E-01	4.34E-04	9.60E-01	1.43E-01	2.08E+00
1771	494361.06	3859051.99	7.66E-01	3.57E-04	7.29E-01	1.08E-01	1.60E+00	1.01E+00	3.42E+01	7.29E+00	5.49E-01	4.31E+01	9.82E-01	4.33E-04	7.29E-01	1.08E-01	1.82E+00
1772	494411.06	3859051.99	7.55E-01	3.56E-04	7.41E-01	1.05E-01	1.60E+00	9.97E-01	3.41E+01	7.41E+00	5.39E-01	4.31E+01	9.67E-01	4.31E-04	7.41E-01	1.05E-01	1.81E+00
1773	494461.06	3859051.99	7.40E-01	3.55E-04	7.51E-01	1.03E-01	1.59E+00	9.78E-01	3.40E+01	7.51E+00	5.24E-01	4.30E+01	9.49E-01	4.30E-04	7.51E-01	1.03E-01	1.80E+00
1774	494511.06	3859051.99	7.20E-01	3.54E-04	7.57E-01	9.86E-02	1.58E+00	9.50E-01	3.39E+01	7.57E+00	5.04E-01	4.30E+01	9.22E-01	4.29E-04	7.57E-01	9.86E-02	1.78E+00
1775	494561.06	3859051.99	7.02E-01	3.53E-04	7.63E-01	9.51E-02	1.56E+00	9.28E-01	3.38E+01	7.63E+00	4.86E-01	4.29E+01	9.01E-01	4.27E-04	7.63E-01	9.51E-02	1.76E+00
1776	494611.06	3859051.99	6.78E-01	3.52E-04	7.61E-01	8.99E-02	1.53E+00	8.95E-01	3.37E+01	7.61E+00	4.59E-01	4.27E+01	8.69E-01	4.26E-04	7.61E-01	8.99E-02	1.72E+00
1777	494661.06	3859051.99	6.50E-01	3.51E-04	7.53E-01	8.40E-02	1.49E+00	8.59E-01	3.36E+01	7.53E+00	4.29E-01	4.24E+01	8.34E-01	4.25E-04	7.53E-01	8.40E-02	1.67E+00
1778	494711.06	3859051.99	6.24E-01	3.50E-04	7.42E-01	7.84E-02	1.45E+00	8.25E-01	3.35E+01	7.42E+00	4.01E-01	4.22E+01	8.00E-01	4.23E-04	7.42E-01	7.84E-02	1.62E+00
1779	494761.06	3859051.99	5.97E-01	3.48E-04	7.25E-01	7.25E-02	1.39E+00	7.89E-01	3.34E+01	7.25E+00	3.70E-01	4.18E+01	7.65E-01	4.22E-04	7.25E-01	7.25E-02	1.56E+00
1780	494811.06	3859051.99	5.78E-01	3.49E-04	7.14E-01	6.85E-02	1.36E+00	7.63E-01	3.35E+01	7.14E+00	3.50E-01	4.17E+01	7.41E-01	4.23E-04	7.14E-01	6.85E-02	1.52E+00
1781	494861.06	3859051.99	5.58E-01	3.46E-04	7.01E-01	6.44E-02	1.32E+00	7.37E-01	3.32E+01	7.01E+00	3.29E-01	4.13E+01	7.15E-01	4.20E-04	7.01E-01	6.44E-02	1.48E+00
1782	494911.06	3859051.99	5.26E-01	3.45E-04	6.66E-01	5.99E-02	1.25E+00	6.95E-01	3.31E+01	6.66E+00	3.06E-01	4.08E+01	6.75E-01	4.18E-04	6.66E-01	5.99E-02	1.40E+00
1783	494961.06	3859051.99	4.79E-01	3.44E-04	5.97E-01	5.68E-02	1.13E+00	6.33E-01	3.30E+01	5.97E+00	2.90E-01	3.99E+01	6.14E-01	4.17E-04	5.97E-01	5.68E-02	1.27E+00
1784	495011.06	3859051.99	4.45E-01	3.43E-04	5.46E-01	5.42E-02	1.05E+00	5.87E-01	3.29E+01	5.46E+00	2.77E-01	3.93E+01	5.70E-01	4.16E-04	5.46E-01	5.42E-02	1.17E+00
1785	495061.06	3859051.99	4.22E-01	3.42E-04	5.16E-01	5.23E-02	9.90E-01	5.57E-01	3.28E+01	5.16E+00	2.67E-01	3.88E+01	5.41E-01	4.15E-04	5.16E-01	5.23E-02	1.11E+00
1786	495111.06	3859051.99	4.16E-01	3.42E-04	5.06E-01	5.20E-02	9.74E-01	5.49E-01	3.28E+01	5.06E+00	2.65E-01	3.86E+01	5.33E-01	4.14E-04	5.06E-01	5.20E-02	1.09E+00
1787	495161.06	3859051.99	4.33E-01	3.41E-04	5.41E-01	5.23E-02	1.03E+00	5.73E-01	3.27E+01	5.41E+00	2.67E-01	3.89E+01	5.56E-01	4.13E-04	5.41E-01	5.23E-02	1.15E+00
1788	495211.06	3859051.99	4.25E-01	3.40E-04	5.25E-01	5.18E-02	1.00E+00	5.62E-01	3.26E+01	5.25E+00	2.64E-01	3.86E+01	5.45E-01	4.11E-04	5.25E-01	5.18E-02	1.12E+00
1789	495261.06	3859051.99	4.36E-01	3.39E-04	5.47E-01	5.17E-02	1.04E+00	5.76E-01	3.25E+01	5.47E+00	2.64E-01	3.88E+01	5.59E-01	4.10E-04	5.47E-01	5.17E-02	1.16E+00
1790	495311.06	3859051.99	4.32E-01	3.38E-04	5.41E-01	5.16E-02	1.03E+00	5.71E-01	3.24E+01	5.41E+00	2.64E-01	3.86E+01	5.54E-01	4.09E-04	5.41E-01	5.16E-02	1.15E+00
1791	495361.06	3859051.99	4.34E-01	3.37E-04	5.46E-01	5.15E-02	1.03E+00	5.74E-01	3.23E+01	5.46E+00	2.63E-01	3.86E+01	5.57E-01	4.08E-04	5.46E-01	5.15E-02	1.15E+00
1792	495411.06	3859051.99	4.40E-01	3.36E-04	5.59E-01	5.14E-02	1.05E+00	5.82E-01	3.22E+01	5.59E+00	2.63E-01	3.87E+01	5.65E-01	4.07E-04	5.59E-01	5.14E-02	1.18E+00
1793	495461.06	3859051.99	4.46E-01	3.35E-04	5.71E-01	5.13E-02	1.07E+00	5.89E-01	3.21E+01	5.71E+00	2.62E-01	3.87E+01	5.72E-01	4.06E-04	5.71E-01	5.13E-02	1.19E+00
1794	495511.06	3859051.99	4.33E-01	3.34E-04	5.45E-01	5.13E-02	1.03E+00	5.72E-01	3.20E+01	5.45E+00	2.62E-01	3.83E+01	5.55E-01	4.05E-04	5.45E-01	5.13E-02	1.15E+00
1795	495561.06	3859051.99	4.25E-01	3.33E-04	5.28E-01	5.13E-02	1.00E+00	5.61E-01	3.20E+01	5.28E+00	2.62E-01	3.81E+01	5.44E-01	4.04E-04	5.28E-01	5.13E-02	1.12E+00
1796	495611.06	3859051.99	4.18E-01	3.32E-04	5.15E-01	5.12E-02	9.84E-01	5.52E-01	3.19E+01	5.15E+00	2.62E-01	3.78E+01	5.36E-01	4.03E-04	5.15E-01	5.12E-02	1.10E+00
1797	495661.06	3859051.99	4.29E-01	3.31E-04	5.39E-01	5.11E-02	1.02E+00	5.67E-01	3.18E+01	5.39E+00	2.61E-01	3.80E+01	5.50E-01	4.02E-04	5.39E-01	5.11E-02	1.14E+00
1798	494311.06	3859101.99	8.22E-01	3.41E-04	8.32E-01	1.16E-01	1.77E+00	1.09E+00	3.27E+01	8.32E+00	5.94E-01	4.27E+01	1.05E+00	4.14E-04	8.32E-01	1.16E-01	2.00E+00
1799	494361.06	3859101.99	8.13E-01	3.40E-04	8.06E-01	1.15E-01	1.73E+00	1.07E+00	3.26E+01	8.06E+00	5.88E-01	4.24E+01	1.04E+00	4.12E-04	8.06E-01	1.15E-01	1.96E+00
1800	494411.06	3859101.99	8.07E-01	3.39E-04	7.79E-01	1.14E-01	1.70E+00	1.07E+00	3.25E+01	7.79E+00	5.84E-01	4.20E+01	1.03E+00	4.11E-04	7.79E-01	1.14E-01	1.93E+00
1801	494461.06	3859101.99	7.92E-01	3.38E-04	7.53E-01	1.12E-01	1.66E+00	1.05E+00	3.24E+01	7.53E+00	5.72E-01	4.16E+01	1.02E+00	4.10E-04	7.53E-01	1.12E-01	1.88E+00
1802	494511.06	3859101.99	7.68E-01	3.37E-04	7.24E-01	1.08E-01	1.60E+00	1.01E+00	3.23E+01	7.24E+00	5.51E-01	4.11E+01	9.85E-01	4.09E-04	7.24E-01	1.08E-01	1.82E+00
1803	494561.06	3859101.99	7.49E-01	3.37E-04	6.94E-01	1.04E-01	1.55E+00	9.90E-01	3.23E+01	6.94E+00	5.33E-01	4.08E+01	9.61E-01	4.09E-04	6.94E-01	1.04E-01	1.76E+00
1804	494611.06	3859101.99	7.18E-01	3.39E-04	6.66E-01	9.83E-02	1.48E+00	9.48E-01	3.25E+01	6.66E+00	5.02E-01	4.06E+01	9.20E-01	4.10E-04	6.66E-01	9.83E-02	1.69E+00
1805	494661.06	3859101.99	6.99E-01	3.40E-04	6.72E-01	9.45E-02	1.47E+00	9.24E-01	3.26E+01	6.72E+00	4.83E-01	4.07E+01	8.96E-01	4.12E-04	6.72E-01	9.45E-02	1.66E+00
1806	494711.06	3859101.99	6.62E-01	3.41E-04	6.63E-01	8.66E-02	1.41E+00	8.75E-01	3.27E+01	6.63E+00	4.42E-01	4.06E+01	8.49E-01	4.13E-04	6.63E-01	8.66E-02	1.60E+00
1807	494761.06	3859101.99	6.54E-01	3.42E-04	6.71E-01	8.50E-02	1.41E+00	8.64E-01	3.28E+01	6.71E+00	4.34E-01	4.08E+01	8.39E-01	4.14E-04	6.71E-01	8.50E-02	1.60E+00
1808	494811.06	3859101.99	6.31E-01	3.43E-04	6.64E-01	7.98E-02	1.38E+00	8.33E-01	3.29E+01	6.64E+00	4.08E-01	4.08E+01	8.08E-01	4.16E-04	6.64E-01	7.98E-02	1.55E+00
1809	494861.06	3859101.99	6.09E-01	3.44E-04	6.57E-01	7.52E-02	1.34E+00	8.05E-01	3.30E+01	6.57E+00	3.84E-01	4.07E+01	7.81E-01	4.17E-04	6.57E-01	7.52E-02	1.51E+00
1810	494911.06	3859101.99	5.77E-01	3.29E-04	6.34E-01	6.81E-02	1.28E+00	7.62E-01	3.16E+01	6.34E+00	3.48E-01	3.90E+01	7.39E-01	3.99E-04	6.34E-01	6.81E-02	1.44E+00
1811	494961.06	3859101.99	5.26E-01	3.28E-04	5.77E-01	5.80E-02	1.16E+00	6.95E-01	3.15E+01	5.77E+00	2.96E-01	3.83E+01	6.74E-01	3.98E-04	5.77E-01	5.80E-02	1.31E+00
1812	495011.06	3859101.99	4.73E-01	3.28E-04	5.07E-01	5.44E-02	1.04E+00	6.25E-01	3.14E+01	5.07E+00	2.78E-01	3.74E+01	6.07E-01	3.97E-04	5.07E-01	5.44E-02	1.17E+00
1813	495061.06	3859101.99	4.75E-01	3.27E-04	5.23E-01	5.44E-02	1.05E+00	6.27E-01	3.13E+01	5.23E+00	2.78E-01	3.75E+01	6.08E-01	3.96E-04	5.23E-01	5.44E-02	1.19E+00
1814	495111.06	3859101.99	4.61E-01	3.26E-04	5.14E-01	5.33E-02	1.03E+00	6.09E-01	3.12E+01	5.14E+00	2.72E-01	3.73E+01	5.91E-01	3.95E-04	5.14E-01	5.33E-02	1.16E+00
1815	495161.06	3859101.99	4.70E-01	3.25E-04	5.46E-01	5.40E-02	1.07E+00	6.21E-01	3.12E+01	5.46E+00	2.76E-01	3.75E+01	6.03E-01	3.94E-04	5.46E-01	5.40E-02	1.20E+00
1816	495211.06	3859101.99	4.59E-01	3.24E-04	5.38E-01	5.31E-02	1.05E+00	6.06E-01	3.11E+01	5.38E+00	2.71E-01	3.73E+01	5.88E-01	3.92E-04	5.38E-01	5.31E-02	1.18E+00
1817	495261.06	3859101.99	4.66E-01	3.23E-04	5.53E-01	5.31E-02	1.07E+00	6.16E-01	3.10E+01	5.53E+00	2.71E-01	3.74E+01	5.98E-01	3.91E-04	5.53E-01	5.31E-02	1.20E+00
1818	495311.06	3859101.99	4.68E-01	3.22E-04	5.96E-01	5.32E-02	1.12E+00	6.19E-01	3.09E+01	5.96E+00	2.72E-01	3.78E+01	6.01E-01	3.90E-04	5.96E-01	5.32E-02	1.25E+00
1819	495361.06	3859101.99	4.77E-01	3.21E-04	5.76E-01	5.27E-02	1.11E+00	6.30E-01	3.08E+01	5.76E+00	2.69E-01	3.75E+01	6.11E-01	3.89E-04	5.76E-01	5.27E-02	1.24E+00
1820	495411.06	3859101.99	4.80E-01	3.21E-04	5.85E-01	5.24E-02	1.12E+00	6.34E-01	3.07E+01	5.85E+00	2.68E-01	3.75E+01	6.15E-01	3.88E-04	5.85E-01	5.24E-02	1.25E+00
1821	495461.06	3859101.99	4.77E-01	3.20E-04	6.35E-01	5.23E-02	1.16E+00	6.30E-01	3.07E+01	6.35E+00	2.67E-01	3.79E+01	6.11E-01	3.87E-04	6.35E-01	5.23E-02	1.30E+00
1822	495511.06	3859101.99	4.76E-01	3.19E-04	6.35E-01	5.18E-02	1.16E+00	6.29E-01	3.06E+01	6.35E+00	2.64E-01	3.78E+01	6.10E-01	3.86E-04	6.35E-01	5.18E-02	1.30E+00
1823	495561.06	3859101.99	4.66E-01	3.18E-04	5.67E-01	5.12E-02	1.08E+00	6.16E-01	3.05E+01	5.67E+00	2.61E-01	3.71E+01	5.98E-01	3.85E-04	5.67E-01	5.12E-02	1.22E+00
1824	495611.06	3859101.99	4.57E-01	3.17E-04	5.51E-01	5.11E-02	1.06E+00	6.04E-01	3.04E+01	5.51E+00	2.61E-01	3.68E+01	5.86E-01	3.85E-04	5.51E-01	5.11E-02	1.19E+00
1825	495661.06	3859101.99	4.62E-01	3.17E-04	5.63E-01	5.10E-02	1.08E+00	6.10E-01	3.04E+01	5.63E+00	2.61E-01	3.69E+01	5.92E-01	3.84E-04	5.63E-01	5.10E-02	1.21E+00
1826	494311.06	3859151.99	8.72E-01	3.24E-04	9.23E-01	1.20E-01	1.92E+00	1.15E+00	3.10E+01	9.23E+00	6.15E-01	4.20E+01	1.12E+00	3.92E-04	9.23E-01	1.20E-01	2.16E+00

1827	494361.06	3859151.99	8.63E-01	3.23E-04	8.98E-01	1.20E-01	1.88E+00	1.14E+00	3.09E+01	8.98E+00	6.14E-01	4.17E+01	1.11E+00	3.91E-04	8.98E-01	1.20E-01	2.12E+00
1828	494411.06	3859151.99	8.46E-01	3.22E-04	8.80E-01	1.19E-01	1.85E+00	1.12E+00	3.08E+01	8.80E+00	6.07E-01	4.14E+01	1.09E+00	3.90E-04	8.80E-01	1.19E-01	2.08E+00
1829	494461.06	3859151.99	8.29E-01	3.23E-04	8.61E-01	1.17E-01	1.81E+00	1.10E+00	3.10E+01	8.61E+00	5.97E-01	4.13E+01	1.06E+00	3.91E-04	8.61E-01	1.17E-01	2.04E+00
1830	494511.06	3859151.99	8.05E-01	3.25E-04	8.39E-01	1.13E-01	1.76E+00	1.06E+00	3.12E+01	8.39E+00	5.79E-01	4.12E+01	1.03E+00	3.94E-04	8.39E-01	1.13E-01	1.98E+00
1831	494561.06	3859151.99	7.91E-01	3.27E-04	8.13E-01	1.11E-01	1.72E+00	1.05E+00	3.14E+01	8.13E+00	5.69E-01	4.11E+01	1.01E+00	3.96E-04	8.13E-01	1.11E-01	1.94E+00
1832	494611.06	3859151.99	7.65E-01	3.29E-04	7.83E-01	1.07E-01	1.65E+00	1.01E+00	3.15E+01	7.83E+00	5.46E-01	4.09E+01	9.80E-01	3.98E-04	7.83E-01	1.07E-01	1.87E+00
1833	494661.06	3859151.99	7.49E-01	3.30E-04	7.53E-01	1.04E-01	1.61E+00	9.89E-01	3.17E+01	7.53E+00	5.32E-01	4.07E+01	9.60E-01	4.00E-04	7.53E-01	1.04E-01	1.82E+00
1834	494711.06	3859151.99	7.35E-01	3.32E-04	7.24E-01	1.02E-01	1.56E+00	9.71E-01	3.18E+01	7.24E+00	5.19E-01	4.06E+01	9.43E-01	4.02E-04	7.24E-01	1.02E-01	1.77E+00
1835	494761.06	3859151.99	7.02E-01	3.33E-04	6.82E-01	9.50E-02	1.48E+00	9.27E-01	3.20E+01	6.82E+00	4.85E-01	4.02E+01	9.00E-01	4.04E-04	6.82E-01	9.50E-02	1.68E+00
1836	494811.06	3859151.99	6.74E-01	3.35E-04	6.40E-01	8.92E-02	1.40E+00	8.91E-01	3.21E+01	6.40E+00	4.55E-01	3.99E+01	8.65E-01	4.06E-04	6.40E-01	8.92E-02	1.59E+00
1837	494861.06	3859151.99	6.58E-01	3.36E-04	6.06E-01	8.56E-02	1.35E+00	8.69E-01	3.22E+01	6.06E+00	4.37E-01	3.96E+01	8.43E-01	4.07E-04	6.06E-01	8.56E-02	1.53E+00
1838	494911.06	3859151.99	6.22E-01	3.37E-04	5.78E-01	7.76E-02	1.28E+00	8.21E-01	3.24E+01	5.78E+00	3.97E-01	3.93E+01	7.97E-01	4.09E-04	5.78E-01	7.76E-02	1.45E+00
1839	494961.06	3859151.99	5.72E-01	3.12E-04	5.67E-01	7.01E-02	1.21E+00	7.56E-01	2.99E+01	5.67E+00	3.58E-01	3.67E+01	7.33E-01	3.78E-04	5.67E-01	7.01E-02	1.37E+00
1840	495011.06	3859151.99	5.24E-01	3.11E-04	4.94E-01	5.63E-02	1.07E+00	6.92E-01	2.98E+01	4.94E+00	2.88E-01	3.58E+01	6.72E-01	3.77E-04	4.94E-01	5.63E-02	1.22E+00
1841	495061.06	3859151.99	5.21E-01	3.10E-04	5.03E-01	5.60E-02	1.08E+00	6.89E-01	2.98E+01	5.03E+00	2.86E-01	3.58E+01	6.68E-01	3.76E-04	5.03E-01	5.60E-02	1.23E+00
1842	495111.06	3859151.99	5.14E-01	3.10E-04	5.06E-01	5.47E-02	1.07E+00	6.79E-01	2.97E+01	5.06E+00	2.79E-01	3.57E+01	6.59E-01	3.75E-04	5.06E-01	5.47E-02	1.22E+00
1843	495161.06	3859151.99	5.24E-01	3.09E-04	5.36E-01	5.74E-02	1.12E+00	6.93E-01	2.96E+01	5.36E+00	2.93E-01	3.60E+01	6.72E-01	3.74E-04	5.36E-01	5.74E-02	1.27E+00
1844	495211.06	3859151.99	5.17E-01	3.08E-04	5.41E-01	5.64E-02	1.11E+00	6.83E-01	2.95E+01	5.41E+00	2.88E-01	3.59E+01	6.63E-01	3.73E-04	5.41E-01	5.64E-02	1.26E+00
1845	495261.06	3859151.99	5.10E-01	3.07E-04	5.47E-01	5.55E-02	1.11E+00	6.74E-01	2.95E+01	5.47E+00	2.84E-01	3.59E+01	6.54E-01	3.72E-04	5.47E-01	5.55E-02	1.26E+00
1846	495311.06	3859151.99	5.05E-01	3.07E-04	5.55E-01	5.50E-02	1.12E+00	6.66E-01	2.94E+01	5.55E+00	2.81E-01	3.59E+01	6.47E-01	3.71E-04	5.55E-01	5.50E-02	1.26E+00
1847	495361.06	3859151.99	5.03E-01	3.06E-04	5.61E-01	5.42E-02	1.12E+00	6.64E-01	2.93E+01	5.61E+00	2.77E-01	3.59E+01	6.45E-01	3.71E-04	5.61E-01	5.42E-02	1.26E+00
1848	495411.06	3859151.99	5.18E-01	3.05E-04	5.89E-01	5.63E-02	1.16E+00	6.84E-01	2.93E+01	5.89E+00	2.88E-01	3.61E+01	6.64E-01	3.70E-04	5.89E-01	5.63E-02	1.31E+00
1849	495461.06	3859151.99	5.20E-01	3.05E-04	5.96E-01	5.56E-02	1.17E+00	6.87E-01	2.92E+01	5.96E+00	2.84E-01	3.61E+01	6.67E-01	3.69E-04	5.96E-01	5.56E-02	1.32E+00
1850	495511.06	3859151.99	5.10E-01	3.04E-04	5.83E-01	5.24E-02	1.15E+00	6.73E-01	2.91E+01	5.83E+00	2.68E-01	3.59E+01	6.53E-01	3.68E-04	5.83E-01	5.24E-02	1.29E+00
1851	495561.06	3859151.99	5.04E-01	3.03E-04	5.78E-01	5.10E-02	1.13E+00	6.66E-01	2.91E+01	5.78E+00	2.61E-01	3.58E+01	6.46E-01	3.67E-04	5.78E-01	5.10E-02	1.28E+00
1852	495611.06	3859151.99	5.00E-01	3.02E-04	5.75E-01	5.10E-02	1.13E+00	6.61E-01	2.90E+01	5.75E+00	2.60E-01	3.57E+01	6.41E-01	3.66E-04	5.75E-01	5.10E-02	1.27E+00
1853	495661.06	3859151.99	4.98E-01	3.02E-04	5.75E-01	5.09E-02	1.12E+00	6.57E-01	2.89E+01	5.75E+00	2.60E-01	3.56E+01	6.38E-01	3.66E-04	5.75E-01	5.09E-02	1.26E+00
1854	494311.06	3859201.99	9.15E-01	3.05E-04	9.69E-01	1.20E-01	2.00E+00	1.21E+00	2.93E+01	9.69E+00	6.15E-01	4.08E+01	1.17E+00	3.70E-04	9.69E-01	1.20E-01	2.26E+00
1855	494361.06	3859201.99	9.03E-01	3.06E-04	9.55E-01	1.20E-01	1.98E+00	1.19E+00	2.93E+01	9.55E+00	6.15E-01	4.07E+01	1.16E+00	3.71E-04	9.55E-01	1.20E-01	2.23E+00
1856	494411.06	3859201.99	8.87E-01	3.08E-04	9.45E-01	1.20E-01	1.95E+00	1.17E+00	2.96E+01	9.45E+00	6.14E-01	4.08E+01	1.14E+00	3.74E-04	9.45E-01	1.20E-01	2.20E+00
1857	494461.06	3859201.99	8.65E-01	3.11E-04	9.40E-01	1.19E-01	1.93E+00	1.14E+00	2.98E+01	9.40E+00	6.08E-01	4.09E+01	1.11E+00	3.76E-04	9.40E-01	1.19E-01	2.17E+00
1858	494511.06	3859201.99	8.50E-01	3.13E-04	9.25E-01	1.18E-01	1.89E+00	1.12E+00	3.00E+01	9.25E+00	6.03E-01	4.10E+01	1.09E+00	3.79E-04	9.25E-01	1.18E-01	2.13E+00
1859	494561.06	3859201.99	8.26E-01	3.15E-04	9.12E-01	1.15E-01	1.85E+00	1.09E+00	3.02E+01	9.12E+00	5.90E-01	4.10E+01	1.06E+00	3.82E-04	9.12E-01	1.15E-01	2.09E+00
1860	494611.06	3859201.99	8.06E-01	3.17E-04	8.91E-01	1.13E-01	1.81E+00	1.06E+00	3.04E+01	8.91E+00	5.77E-01	4.10E+01	1.03E+00	3.84E-04	8.91E-01	1.13E-01	2.04E+00
1861	494661.06	3859201.99	7.91E-01	3.19E-04	8.66E-01	1.11E-01	1.77E+00	1.04E+00	3.06E+01	8.66E+00	5.66E-01	4.09E+01	1.01E+00	3.87E-04	8.66E-01	1.11E-01	1.99E+00
1862	494711.06	3859201.99	7.75E-01	3.21E-04	8.40E-01	1.08E-01	1.72E+00	1.02E+00	3.08E+01	8.40E+00	5.53E-01	4.08E+01	9.94E-01	3.89E-04	8.40E-01	1.08E-01	1.94E+00
1863	494761.06	3859201.99	7.46E-01	3.23E-04	8.07E-01	1.03E-01	1.66E+00	9.85E-01	3.10E+01	8.07E+00	5.27E-01	4.06E+01	9.56E-01	3.91E-04	8.07E-01	1.03E-01	1.87E+00
1864	494811.06	3859201.99	7.21E-01	3.25E-04	7.70E-01	9.84E-02	1.59E+00	9.53E-01	3.11E+01	7.70E+00	5.03E-01	4.03E+01	9.25E-01	3.93E-04	7.70E-01	9.84E-02	1.79E+00
1865	494861.06	3859201.99	6.92E-01	3.27E-04	7.37E-01	9.53E-02	1.52E+00	9.14E-01	3.13E+01	7.37E+00	4.87E-01	4.01E+01	8.87E-01	3.96E-04	7.37E-01	9.53E-02	1.72E+00
1866	494911.06	3859201.99	6.52E-01	3.28E-04	6.68E-01	8.39E-02	1.40E+00	8.61E-01	3.14E+01	6.68E+00	4.28E-01	3.94E+01	8.36E-01	3.97E-04	6.68E-01	8.39E-02	1.59E+00
1867	494961.06	3859201.99	6.09E-01	3.29E-04	5.99E-01	7.44E-02	1.28E+00	8.05E-01	3.16E+01	5.99E+00	3.80E-01	3.88E+01	7.81E-01	3.99E-04	5.99E-01	7.44E-02	1.46E+00
1868	495011.06	3859201.99	5.51E-01	2.95E-04	5.08E-01	6.21E-02	1.12E+00	7.27E-01	2.83E+01	5.08E+00	3.17E-01	3.44E+01	7.06E-01	3.58E-04	5.08E-01	6.21E-02	1.28E+00
1869	495061.06	3859201.99	5.76E-01	2.94E-04	5.27E-01	6.72E-02	1.17E+00	7.61E-01	2.82E+01	5.27E+00	3.43E-01	3.46E+01	7.38E-01	3.57E-04	5.27E-01	6.72E-02	1.33E+00
1870	495111.06	3859201.99	5.77E-01	2.94E-04	5.16E-01	6.78E-02	1.16E+00	7.62E-01	2.82E+01	5.16E+00	3.46E-01	3.44E+01	7.40E-01	3.56E-04	5.16E-01	6.78E-02	1.32E+00
1871	495161.06	3859201.99	5.75E-01	2.93E-04	5.02E-01	6.76E-02	1.14E+00	7.59E-01	2.81E+01	5.02E+00	3.45E-01	3.42E+01	7.37E-01	3.55E-04	5.02E-01	6.76E-02	1.31E+00
1872	495211.06	3859201.99	5.63E-01	2.93E-04	5.04E-01	6.54E-02	1.13E+00	7.44E-01	2.81E+01	5.04E+00	3.34E-01	3.42E+01	7.22E-01	3.54E-04	5.04E-01	6.54E-02	1.29E+00
1873	495261.06	3859201.99	5.63E-01	2.92E-04	5.19E-01	6.60E-02	1.15E+00	7.44E-01	2.80E+01	5.19E+00	3.37E-01	3.43E+01	7.22E-01	3.54E-04	5.19E-01	6.60E-02	1.31E+00
1874	495311.06	3859201.99	5.59E-01	2.91E-04	5.29E-01	6.55E-02	1.15E+00	7.38E-01	2.80E+01	5.29E+00	3.35E-01	3.43E+01	7.16E-01	3.53E-04	5.29E-01	6.55E-02	1.31E+00
1875	495361.06	3859201.99	5.55E-01	2.91E-04	5.41E-01	6.55E-02	1.16E+00	7.33E-01	2.79E+01	5.41E+00	3.35E-01	3.44E+01	7.12E-01	3.52E-04	5.41E-01	6.55E-02	1.32E+00
1876	495411.06	3859201.99	5.58E-01	3.41E-04	5.61E-01	6.72E-02	1.19E+00	7.37E-01	3.27E+01	5.61E+00	3.43E-01	3.94E+01	7.16E-01	4.13E-04	5.61E-01	6.72E-02	1.34E+00
1877	495461.06	3859201.99	5.48E-01	3.42E-04	5.67E-01	6.58E-02	1.18E+00	7.23E-01	3.28E+01	5.67E+00	3.36E-01	3.95E+01	7.02E-01	4.14E-04	5.67E-01	6.58E-02	1.34E+00
1878	495511.06	3859201.99	5.47E-01	2.89E-04	5.72E-01	6.45E-02	1.18E+00	7.22E-01	2.77E+01	5.72E+00	3.29E-01	3.45E+01	7.01E-01	3.50E-04	5.72E-01	6.45E-02	1.34E+00
1879	495561.06	3859201.99	5.36E-01	2.89E-04	5.62E-01	6.06E-02	1.16E+00	7.07E-01	2.77E+01	5.62E+00	3.10E-01	3.43E+01	6.87E-01	3.50E-04	5.62E-01	6.06E-02	1.31E+00
1880	495611.06	3859201.99	5.30E-01	2.88E-04	5.59E-01	5.82E-02	1.15E+00	7.00E-01	2.76E+01	5.59E+00	2.97E-01	3.42E+01	6.79E-01	3.49E-04	5.59E-01	5.82E-02	1.30E+00
1881	495661.06	3859201.99	5.28E-01	2.88E-04	5.62E-01	5.67E-02	1.15E+00	6.98E-01	2.76E+01	5.62E+00	2.90E-01	3.42E+01	6.77E-01	3.49E-04	5.62E-01	5.67E-02	1.30E+00
1882	494311.06	3859251.99	9.50E-01	2.90E-04	9.65E-01	1.16E-01	2.03E+00	1.26E+00	2.78E+01	9.65E+00	5.94E-01	3.93E+01	1.22E+00	3.51E-04	9.65E-01	1.16E-01	2.30E+00
1883	494361.06	3859251.99	9.36E-01	2.92E-04	9.71E-01	1.17E-01	2.02E+00	1.24E+00	2.80E+01	9.71E+00	5.99E-01	3.96E+01	1.20E+00	3.54E-04	9.71E-01	1.17E-01	2.29E+00
1884	494411.06	3859251.99	9.17E-01	2.95E-04	9.85E-01	1.18E-01	2.02E+00	1.21E+00	2.83E+01	9.85E+00	6.03E-01	3.99E+01	1.18E+00	3.57E-04	9.85E-01	1.18E-01	2.28E+00
1885	494461.06	3859251.99	9.03E-01	2.97E-04	9.82E-01	1.18E-01	2.00E+00	1.19E+00	2.85E+01	9.82E+00	6.04E-01	4.01E+01	1.16E+00	3.60E-04	9.82E-01	1.18E-01	2.26E+00
1886	494511.06	3859251.99	8.80E-01	3.00E-04	9.89E-01	1.18E-01	1.99E+00	1.16E+00	2.87E+01	9.89E+00	6.01E-01	4.04E+01	1.13E+00	3.63E-04	9.89E-01	1.18E-01	2.23E+00
1887	494561.06	3859251.99	8.63E-01	3.02E-04	9.79E-01	1.17E-01	1.96E+00	1.14E+00	2.90E+01	9.79E+00	5.98E-01	4.05E+01	1.11E+00	3.66E-04	9.79E-01	1.17E-01	2.20E+00

1888	494611.06	3859251.99	8.41E-01	3.04E-04	9.70E-01	1.15E-01	1.93E+00	1.11E+00	2.92E+01	9.70E+00	5.90E-01	4.06E+01	1.08E+00	3.69E-04	9.70E-01	1.15E-01	2.16E+00
1889	494661.06	3859251.99	8.28E-01	3.07E-04	9.52E-01	1.15E-01	1.89E+00	1.09E+00	2.94E+01	9.52E+00	5.86E-01	4.06E+01	1.06E+00	3.72E-04	9.52E-01	1.15E-01	2.13E+00
1890	494711.06	3859251.99	8.13E-01	3.09E-04	9.33E-01	1.13E-01	1.86E+00	1.07E+00	2.96E+01	9.33E+00	5.78E-01	4.06E+01	1.04E+00	3.74E-04	9.33E-01	1.13E-01	2.09E+00
1891	494761.06	3859251.99	7.68E-01	3.11E-04	9.14E-01	1.08E-01	1.79E+00	1.01E+00	2.98E+01	9.14E+00	5.53E-01	4.05E+01	9.84E-01	3.77E-04	9.14E-01	1.08E-01	2.01E+00
1892	494811.06	3859251.99	7.63E-01	3.13E-04	8.84E-01	1.06E-01	1.75E+00	1.01E+00	3.00E+01	8.84E+00	5.39E-01	4.04E+01	9.79E-01	3.80E-04	8.84E-01	1.06E-01	1.97E+00
1893	494861.06	3859251.99	7.21E-01	3.15E-04	8.51E-01	1.01E-01	1.67E+00	9.53E-01	3.02E+01	8.51E+00	5.16E-01	4.02E+01	9.25E-01	3.82E-04	8.51E-01	1.01E-01	1.88E+00
1894	494911.06	3859251.99	6.80E-01	3.17E-04	7.81E-01	8.92E-02	1.55E+00	8.98E-01	3.04E+01	7.81E+00	4.56E-01	3.96E+01	8.72E-01	3.84E-04	7.81E-01	8.92E-02	1.74E+00
1895	494961.06	3859251.99	6.61E-01	3.19E-04	7.41E-01	8.52E-02	1.49E+00	8.74E-01	3.06E+01	7.41E+00	4.35E-01	3.93E+01	8.48E-01	3.86E-04	7.41E-01	8.52E-02	1.67E+00
1896	495011.06	3859251.99	6.37E-01	3.21E-04	6.94E-01	8.00E-02	1.41E+00	8.42E-01	3.08E+01	6.94E+00	4.09E-01	3.89E+01	8.17E-01	3.88E-04	6.94E-01	8.00E-02	1.59E+00
1897	495061.06	3859251.99	6.41E-01	3.23E-04	6.84E-01	8.13E-02	1.41E+00	8.47E-01	3.09E+01	6.84E+00	4.15E-01	3.90E+01	8.22E-01	3.91E-04	6.84E-01	8.13E-02	1.59E+00
1898	495111.06	3859251.99	6.33E-01	3.24E-04	6.58E-01	7.98E-02	1.37E+00	8.37E-01	3.11E+01	6.58E+00	4.07E-01	3.89E+01	8.12E-01	3.93E-04	6.58E-01	7.98E-02	1.55E+00
1899	495161.06	3859251.99	6.31E-01	3.26E-04	6.40E-01	7.94E-02	1.35E+00	8.33E-01	3.13E+01	6.40E+00	4.06E-01	3.89E+01	8.08E-01	3.95E-04	6.40E-01	7.94E-02	1.53E+00
1900	495211.06	3859251.99	6.20E-01	3.28E-04	6.13E-01	7.75E-02	1.31E+00	8.20E-01	3.14E+01	6.13E+00	3.96E-01	3.88E+01	7.95E-01	3.97E-04	6.13E-01	7.75E-02	1.49E+00
1901	495261.06	3859251.99	6.18E-01	3.29E-04	6.11E-01	8.10E-02	1.31E+00	8.16E-01	3.16E+01	6.11E+00	4.14E-01	3.89E+01	7.92E-01	3.99E-04	6.11E-01	8.10E-02	1.49E+00
1902	495311.06	3859251.99	6.18E-01	3.31E-04	5.84E-01	7.80E-02	1.28E+00	8.16E-01	3.17E+01	5.84E+00	3.98E-01	3.88E+01	7.92E-01	4.01E-04	5.84E-01	7.80E-02	1.45E+00
1903	495361.06	3859251.99	6.11E-01	3.32E-04	5.64E-01	7.71E-02	1.25E+00	8.07E-01	3.19E+01	5.64E+00	3.94E-01	3.87E+01	7.84E-01	4.03E-04	5.64E-01	7.71E-02	1.43E+00
1904	495411.06	3859251.99	6.13E-01	3.34E-04	5.55E-01	7.84E-02	1.25E+00	8.10E-01	3.20E+01	5.55E+00	4.00E-01	3.88E+01	7.86E-01	4.04E-04	5.55E-01	7.84E-02	1.42E+00
1905	495461.06	3859251.99	6.04E-01	3.35E-04	5.35E-01	7.72E-02	1.22E+00	7.98E-01	3.21E+01	5.35E+00	3.94E-01	3.87E+01	7.75E-01	4.06E-04	5.35E-01	7.72E-02	1.39E+00
1906	495511.06	3859251.99	5.84E-01	3.36E-04	5.21E-01	7.33E-02	1.18E+00	7.72E-01	3.22E+01	5.21E+00	3.74E-01	3.86E+01	7.49E-01	4.07E-04	5.21E-01	7.33E-02	1.34E+00
1907	495561.06	3859251.99	5.72E-01	3.37E-04	5.25E-01	7.13E-02	1.17E+00	7.56E-01	3.23E+01	5.25E+00	3.64E-01	3.87E+01	7.33E-01	4.08E-04	5.25E-01	7.13E-02	1.33E+00
1908	495611.06	3859251.99	5.54E-01	3.38E-04	5.23E-01	6.80E-02	1.14E+00	7.31E-01	3.24E+01	5.23E+00	3.47E-01	3.87E+01	7.10E-01	4.09E-04	5.23E-01	6.80E-02	1.30E+00
1909	495661.06	3859251.99	5.51E-01	3.39E-04	5.26E-01	6.60E-02	1.14E+00	7.27E-01	3.25E+01	5.26E+00	3.37E-01	3.88E+01	7.06E-01	4.11E-04	5.26E-01	6.60E-02	1.30E+00
1910	494311.06	3859301.99	9.75E-01	2.96E-04	9.16E-01	1.09E-01	2.00E+00	1.29E+00	2.84E+01	9.16E+00	5.57E-01	3.94E+01	1.25E+00	3.59E-04	9.16E-01	1.09E-01	2.28E+00
1911	494361.06	3859301.99	9.64E-01	2.91E-04	9.37E-01	1.11E-01	2.01E+00	1.27E+00	2.79E+01	9.37E+00	5.68E-01	3.91E+01	1.24E+00	3.52E-04	9.37E-01	1.11E-01	2.28E+00
1912	494411.06	3859301.99	9.48E-01	2.81E-04	9.67E-01	1.13E-01	2.03E+00	1.25E+00	2.70E+01	9.67E+00	5.79E-01	3.85E+01	1.21E+00	3.41E-04	9.67E-01	1.13E-01	2.30E+00
1913	494461.06	3859301.99	9.30E-01	2.84E-04	9.91E-01	1.15E-01	2.04E+00	1.23E+00	2.72E+01	9.91E+00	5.86E-01	3.89E+01	1.19E+00	3.44E-04	9.91E-01	1.15E-01	2.30E+00
1914	494511.06	3859301.99	9.13E-01	2.86E-04	1.00E+00	1.16E-01	2.03E+00	1.21E+00	2.75E+01	1.00E+01	5.90E-01	3.93E+01	1.17E+00	3.47E-04	1.00E+00	1.16E-01	2.29E+00
1915	494561.06	3859301.99	8.99E-01	2.89E-04	1.01E+00	1.16E-01	2.02E+00	1.19E+00	2.77E+01	1.01E+01	5.92E-01	3.95E+01	1.15E+00	3.50E-04	1.01E+00	1.16E-01	2.27E+00
1916	494611.06	3859301.99	8.82E-01	2.91E-04	1.01E+00	1.16E-01	2.00E+00	1.17E+00	2.79E+01	1.01E+01	5.92E-01	3.98E+01	1.13E+00	3.53E-04	1.01E+00	1.16E-01	2.25E+00
1917	494661.06	3859301.99	8.65E-01	2.94E-04	1.00E+00	1.15E-01	1.98E+00	1.14E+00	2.82E+01	1.00E+01	5.89E-01	3.99E+01	1.11E+00	3.56E-04	1.00E+00	1.15E-01	2.23E+00
1918	494711.06	3859301.99	8.44E-01	2.96E-04	9.98E-01	1.14E-01	1.96E+00	1.11E+00	2.84E+01	9.98E+00	5.83E-01	4.01E+01	1.08E+00	3.59E-04	9.98E-01	1.14E-01	2.19E+00
1919	494761.06	3859301.99	8.24E-01	2.99E-04	9.86E-01	1.12E-01	1.92E+00	1.09E+00	2.86E+01	9.86E+00	5.74E-01	4.02E+01	1.06E+00	3.62E-04	9.86E-01	1.12E-01	2.16E+00
1920	494811.06	3859301.99	7.95E-01	3.01E-04	9.71E-01	1.09E-01	1.87E+00	1.05E+00	2.88E+01	9.71E+00	5.56E-01	4.02E+01	1.02E+00	3.64E-04	9.71E-01	1.09E-01	2.10E+00
1921	494861.06	3859301.99	7.54E-01	3.03E-04	9.37E-01	1.02E-01	1.79E+00	9.97E-01	2.90E+01	9.37E+00	5.19E-01	3.99E+01	9.67E-01	3.67E-04	9.37E-01	1.02E-01	2.01E+00
1922	494911.06	3859301.99	7.31E-01	3.05E-04	9.05E-01	9.81E-02	1.73E+00	9.66E-01	2.93E+01	9.05E+00	5.01E-01	3.98E+01	9.38E-01	3.70E-04	9.05E-01	9.81E-02	1.94E+00
1923	494961.06	3859301.99	6.88E-01	3.07E-04	8.49E-01	9.03E-02	1.63E+00	9.08E-01	2.94E+01	8.49E+00	4.61E-01	3.93E+01	8.82E-01	3.72E-04	8.49E-01	9.03E-02	1.82E+00
1924	495011.06	3859301.99	6.69E-01	3.09E-04	8.15E-01	8.77E-02	1.57E+00	8.83E-01	2.97E+01	8.15E+00	4.48E-01	3.91E+01	8.57E-01	3.75E-04	8.15E-01	8.77E-02	1.76E+00
1925	495061.06	3859301.99	6.95E-01	3.12E-04	8.34E-01	9.56E-02	1.63E+00	9.19E-01	2.99E+01	8.34E+00	4.88E-01	3.96E+01	8.92E-01	3.78E-04	8.34E-01	9.56E-02	1.82E+00
1926	495111.06	3859301.99	6.71E-01	3.14E-04	7.85E-01	8.91E-02	1.55E+00	8.87E-01	3.01E+01	7.85E+00	4.55E-01	3.93E+01	8.61E-01	3.80E-04	7.85E-01	8.91E-02	1.74E+00
1927	495161.06	3859301.99	6.70E-01	3.16E-04	7.59E-01	8.72E-02	1.52E+00	8.84E-01	3.03E+01	7.59E+00	4.46E-01	3.92E+01	8.58E-01	3.82E-04	7.59E-01	8.72E-02	1.71E+00
1928	495211.06	3859301.99	6.77E-01	3.18E-04	7.51E-01	8.94E-02	1.52E+00	8.95E-01	3.05E+01	7.51E+00	4.57E-01	3.93E+01	8.68E-01	3.85E-04	7.51E-01	8.94E-02	1.71E+00
1929	495261.06	3859301.99	6.77E-01	3.20E-04	7.35E-01	8.99E-02	1.50E+00	8.95E-01	3.07E+01	7.35E+00	4.59E-01	3.94E+01	8.68E-01	3.87E-04	7.35E-01	8.99E-02	1.69E+00
1930	495311.06	3859301.99	6.62E-01	3.21E-04	7.04E-01	8.69E-02	1.45E+00	8.74E-01	3.08E+01	7.04E+00	4.44E-01	3.92E+01	8.48E-01	3.89E-04	7.04E-01	8.69E-02	1.64E+00
1931	495361.06	3859301.99	6.63E-01	3.23E-04	6.91E-01	8.78E-02	1.44E+00	8.76E-01	3.10E+01	6.91E+00	4.49E-01	3.92E+01	8.50E-01	3.92E-04	6.91E-01	8.78E-02	1.63E+00
1932	495411.06	3859301.99	6.58E-01	3.25E-04	6.72E-01	8.74E-02	1.42E+00	8.70E-01	3.12E+01	6.72E+00	4.46E-01	3.92E+01	8.44E-01	3.94E-04	6.72E-01	8.74E-02	1.60E+00
1933	495461.06	3859301.99	6.55E-01	3.27E-04	6.55E-01	8.73E-02	1.40E+00	8.65E-01	3.13E+01	6.55E+00	4.46E-01	3.92E+01	8.39E-01	3.96E-04	6.55E-01	8.73E-02	1.58E+00
1934	495511.06	3859301.99	6.39E-01	3.28E-04	6.27E-01	8.45E-02	1.35E+00	8.45E-01	3.15E+01	6.27E+00	4.32E-01	3.90E+01	8.20E-01	3.98E-04	6.27E-01	8.45E-02	1.53E+00
1935	495561.06	3859301.99	6.15E-01	3.29E-04	5.88E-01	7.94E-02	1.28E+00	8.12E-01	3.16E+01	5.88E+00	4.06E-01	3.87E+01	7.88E-01	3.99E-04	5.88E-01	7.94E-02	1.46E+00
1936	495611.06	3859301.99	6.03E-01	3.31E-04	5.65E-01	7.75E-02	1.25E+00	7.97E-01	3.17E+01	5.65E+00	3.96E-01	3.86E+01	7.74E-01	4.01E-04	5.65E-01	7.75E-02	1.42E+00
1937	495661.06	3859301.99	5.91E-01	3.32E-04	5.42E-01	7.56E-02	1.21E+00	7.81E-01	3.18E+01	5.42E+00	3.86E-01	3.84E+01	7.58E-01	4.02E-04	5.42E-01	7.56E-02	1.38E+00
1938	494311.06	3859351.99	9.88E-01	3.05E-04	8.47E-01	1.00E-01	1.94E+00	1.30E+00	2.93E+01	8.47E+00	5.12E-01	3.96E+01	1.27E+00	3.70E-04	8.47E-01	1.00E-01	2.21E+00
1939	494361.06	3859351.99	9.79E-01	3.00E-04	8.77E-01	1.03E-01	1.96E+00	1.29E+00	2.88E+01	8.77E+00	5.27E-01	3.94E+01	1.26E+00	3.64E-04	8.77E-01	1.03E-01	2.24E+00
1940	494411.06	3859351.99	9.65E-01	2.91E-04	9.25E-01	1.07E-01	2.00E+00	1.28E+00	2.79E+01	9.25E+00	5.44E-01	3.89E+01	1.24E+00	3.52E-04	9.25E-01	1.07E-01	2.27E+00
1941	494461.06	3859351.99	9.52E-01	2.83E-04	9.58E-01	1.09E-01	2.02E+00	1.26E+00	2.71E+01	9.58E+00	5.56E-01	3.85E+01	1.22E+00	3.43E-04	9.58E-01	1.09E-01	2.29E+00
1942	494511.06	3859351.99	9.39E-01	2.76E-04	9.81E-01	1.11E-01	2.03E+00	1.24E+00	2.65E+01	9.81E+00	5.65E-01	3.81E+01	1.20E+00	3.35E-04	9.81E-01	1.11E-01	2.30E+00
1943	494561.06	3859351.99	9.28E-01	2.76E-04	9.90E-01	1.12E-01	2.03E+00	1.23E+00	2.65E+01	9.90E+00	5.72E-01	3.82E+01	1.19E+00	3.34E-04	9.90E-01	1.12E-01	2.29E+00
1944	494611.06	3859351.99	9.14E-01	2.79E-04	1.00E+00	1.13E-01	2.03E+00	1.21E+00	2.67E+01	1.00E+01	5.77E-01	3.85E+01	1.17E+00	3.37E-04	1.00E+00	1.13E-01	2.29E+00
1945	494661.06	3859351.99	8.99E-01	2.81E-04	1.01E+00	1.13E-01	2.02E+00	1.19E+00	2.69E+01	1.01E+01	5.80E-01	3.88E+01	1.15E+00	3.40E-04	1.01E+00	1.13E-01	2.28E+00
1946	494711.06	3859351.99	8.79E-01	2.83E-04	1.02E+00	1.13E-01	2.02E+00	1.16E+00	2.72E+01	1.02E+01	5.79E-01	3.91E+01	1.13E+00	3.43E-04	1.02E+00	1.13E-01	2.26E+00
1947	494761.06	3859351.99	8.53E-01	2.86E-04	1.04E+00	1.14E-01	2.00E+00	1.13E+00	2.74E+01	1.04E+01	5.81E-01	3.95E+01	1.09E+00	3.46E-04	1.04E+00	1.14E-01	2.24E+00
1948	494811.06	3859351.99	8.13E-01	2.88E-04	1.03E+00	1.07E-01	1.95E+00	1.07E+00	2.76E+01	1.03E+01	5.46E-01	3.95E+01	1.04E+00	3.49E-04	1.03E+00	1.07E-01	2.18E+00

1949	494861.06	3859351.99	7.96E-01	2.90E-04	1.01E+00	1.05E-01	1.91E+00	1.05E+00	2.78E+01	1.01E+01	5.38E-01	3.95E+01	1.02E+00	3.51E-04	1.01E+00	1.05E-01	2.14E+00
1950	494911.06	3859351.99	7.83E-01	2.93E-04	9.94E-01	1.04E-01	1.88E+00	1.03E+00	2.81E+01	9.94E+00	5.34E-01	3.96E+01	1.00E+00	3.54E-04	9.94E-01	1.04E-01	2.10E+00
1951	494961.06	3859351.99	7.62E-01	2.95E-04	9.70E-01	1.02E-01	1.83E+00	1.01E+00	2.83E+01	9.70E+00	5.20E-01	3.95E+01	9.77E-01	3.57E-04	9.70E-01	1.02E-01	2.05E+00
1952	495011.06	3859351.99	7.46E-01	2.97E-04	9.46E-01	1.00E-01	1.79E+00	9.85E-01	2.85E+01	9.46E+00	5.11E-01	3.95E+01	9.56E-01	3.60E-04	9.46E-01	1.00E-01	2.00E+00
1953	495061.06	3859351.99	7.56E-01	3.00E-04	9.35E-01	1.03E-01	1.79E+00	9.99E-01	2.88E+01	9.35E+00	5.26E-01	3.96E+01	9.69E-01	3.63E-04	9.35E-01	1.03E-01	2.01E+00
1954	495111.06	3859351.99	7.41E-01	3.02E-04	9.10E-01	1.01E-01	1.75E+00	9.79E-01	2.90E+01	9.10E+00	5.14E-01	3.96E+01	9.51E-01	3.66E-04	9.10E-01	1.01E-01	1.96E+00
1955	495161.06	3859351.99	7.36E-01	3.04E-04	8.90E-01	1.00E-01	1.73E+00	9.72E-01	2.92E+01	8.90E+00	5.11E-01	3.96E+01	9.44E-01	3.69E-04	8.90E-01	1.00E-01	1.93E+00
1956	495211.06	3859351.99	7.29E-01	3.07E-04	8.68E-01	9.91E-02	1.70E+00	9.63E-01	2.94E+01	8.68E+00	5.06E-01	3.96E+01	9.35E-01	3.71E-04	8.68E-01	9.91E-02	1.90E+00
1957	495261.06	3859351.99	7.29E-01	3.09E-04	8.50E-01	9.95E-02	1.68E+00	9.62E-01	2.96E+01	8.50E+00	5.08E-01	3.96E+01	9.34E-01	3.74E-04	8.50E-01	9.95E-02	1.88E+00
1958	495311.06	3859351.99	7.16E-01	3.11E-04	8.25E-01	9.74E-02	1.64E+00	9.46E-01	2.98E+01	8.25E+00	4.98E-01	3.95E+01	9.18E-01	3.77E-04	8.25E-01	9.74E-02	1.84E+00
1959	495361.06	3859351.99	7.09E-01	3.13E-04	8.04E-01	9.66E-02	1.61E+00	9.37E-01	3.00E+01	8.04E+00	4.93E-01	3.95E+01	9.09E-01	3.79E-04	8.04E-01	9.66E-02	1.81E+00
1960	495411.06	3859351.99	7.06E-01	3.15E-04	7.85E-01	9.66E-02	1.59E+00	9.33E-01	3.02E+01	7.85E+00	4.93E-01	3.95E+01	9.06E-01	3.81E-04	7.85E-01	9.66E-02	1.79E+00
1961	495461.06	3859351.99	7.06E-01	3.17E-04	7.69E-01	9.72E-02	1.57E+00	9.32E-01	3.04E+01	7.69E+00	4.96E-01	3.95E+01	9.05E-01	3.84E-04	7.69E-01	9.72E-02	1.77E+00
1962	495511.06	3859351.99	6.86E-01	3.19E-04	7.39E-01	9.35E-02	1.52E+00	9.06E-01	3.06E+01	7.39E+00	4.78E-01	3.93E+01	8.80E-01	3.86E-04	7.39E-01	9.35E-02	1.71E+00
1963	495561.06	3859351.99	6.71E-01	3.20E-04	7.12E-01	9.09E-02	1.47E+00	8.87E-01	3.07E+01	7.12E+00	4.64E-01	3.92E+01	8.61E-01	3.88E-04	7.12E-01	9.09E-02	1.66E+00
1964	495611.06	3859351.99	6.61E-01	3.22E-04	6.89E-01	8.92E-02	1.44E+00	8.72E-01	3.09E+01	6.89E+00	4.56E-01	3.91E+01	8.47E-01	3.90E-04	6.89E-01	8.92E-02	1.63E+00
1965	495661.06	3859351.99	6.40E-01	3.24E-04	6.56E-01	8.51E-02	1.38E+00	8.45E-01	3.10E+01	6.56E+00	4.35E-01	3.89E+01	8.20E-01	3.92E-04	6.56E-01	8.51E-02	1.56E+00
1966	494311.06	3859401.99	9.91E-01	4.92E-04	7.33E-01	8.95E-02	1.81E+00	1.31E+00	4.72E+01	7.33E+00	4.57E-01	5.63E+01	1.27E+00	5.96E-04	7.33E-01	8.95E-02	2.09E+00
1967	494361.06	3859401.99	9.84E-01	3.29E-04	7.92E-01	9.38E-02	1.87E+00	1.30E+00	3.16E+01	7.92E+00	4.79E-01	4.13E+01	1.26E+00	3.99E-04	7.92E-01	9.38E-02	2.15E+00
1968	494411.06	3859401.99	9.75E-01	3.10E-04	8.51E-01	9.81E-02	1.92E+00	1.29E+00	2.97E+01	8.51E+00	5.01E-01	4.00E+01	1.25E+00	3.75E-04	8.51E-01	9.81E-02	2.20E+00
1969	494461.06	3859401.99	9.66E-01	2.98E-04	8.87E-01	1.01E-01	1.95E+00	1.28E+00	2.85E+01	8.87E+00	5.16E-01	3.92E+01	1.24E+00	3.61E-04	8.87E-01	1.01E-01	2.23E+00
1970	494511.06	3859401.99	9.60E-01	2.92E-04	9.03E-01	1.03E-01	1.97E+00	1.27E+00	2.80E+01	9.03E+00	5.26E-01	3.88E+01	1.23E+00	3.53E-04	9.03E-01	1.03E-01	2.24E+00
1971	494561.06	3859401.99	9.51E-01	2.85E-04	9.24E-01	1.05E-01	1.98E+00	1.26E+00	2.73E+01	9.24E+00	5.37E-01	3.83E+01	1.22E+00	3.45E-04	9.24E-01	1.05E-01	2.25E+00
1972	494611.06	3859401.99	9.38E-01	2.78E-04	9.54E-01	1.07E-01	2.00E+00	1.24E+00	2.67E+01	9.54E+00	5.48E-01	3.80E+01	1.20E+00	3.37E-04	9.54E-01	1.07E-01	2.26E+00
1973	494661.06	3859401.99	9.28E-01	2.75E-04	9.66E-01	1.09E-01	2.00E+00	1.23E+00	2.64E+01	9.66E+00	5.55E-01	3.78E+01	1.19E+00	3.33E-04	9.66E-01	1.09E-01	2.26E+00
1974	494711.06	3859401.99	9.15E-01	2.71E-04	9.82E-01	1.10E-01	2.01E+00	1.21E+00	2.60E+01	9.82E+00	5.62E-01	3.76E+01	1.17E+00	3.29E-04	9.82E-01	1.10E-01	2.27E+00
1975	494761.06	3859401.99	8.92E-01	2.73E-04	1.02E+00	1.13E-01	2.03E+00	1.18E+00	2.62E+01	1.02E+01	5.79E-01	3.82E+01	1.14E+00	3.31E-04	1.02E+00	1.13E-01	2.28E+00
1976	494811.06	3859401.99	8.70E-01	2.76E-04	1.04E+00	1.10E-01	2.02E+00	1.15E+00	2.64E+01	1.04E+01	5.63E-01	3.85E+01	1.12E+00	3.34E-04	1.04E+00	1.10E-01	2.26E+00
1977	494861.06	3859401.99	8.42E-01	2.78E-04	1.05E+00	1.08E-01	2.00E+00	1.11E+00	2.66E+01	1.05E+01	5.53E-01	3.88E+01	1.08E+00	3.37E-04	1.05E+00	1.08E-01	2.24E+00
1978	494911.06	3859401.99	8.23E-01	2.80E-04	1.04E+00	1.08E-01	1.98E+00	1.09E+00	2.69E+01	1.04E+01	5.54E-01	3.90E+01	1.06E+00	3.39E-04	1.04E+00	1.08E-01	2.21E+00
1979	494961.06	3859401.99	8.11E-01	2.83E-04	1.03E+00	1.06E-01	1.95E+00	1.07E+00	2.71E+01	1.03E+01	5.44E-01	3.90E+01	1.04E+00	3.42E-04	1.03E+00	1.06E-01	2.17E+00
1980	495011.06	3859401.99	8.02E-01	2.85E-04	1.01E+00	1.07E-01	1.92E+00	1.06E+00	2.73E+01	1.01E+01	5.44E-01	3.91E+01	1.03E+00	3.45E-04	1.01E+00	1.07E-01	2.15E+00
1981	495061.06	3859401.99	7.95E-01	2.88E-04	1.00E+00	1.09E-01	1.91E+00	1.05E+00	2.76E+01	1.00E+01	5.59E-01	3.92E+01	1.02E+00	3.49E-04	1.00E+00	1.09E-01	2.13E+00
1982	495111.06	3859401.99	7.79E-01	2.90E-04	9.89E-01	1.08E-01	1.88E+00	1.03E+00	2.78E+01	9.89E+00	5.49E-01	3.93E+01	9.98E-01	3.51E-04	9.89E-01	1.08E-01	2.09E+00
1983	495161.06	3859401.99	7.76E-01	2.92E-04	9.66E-01	1.05E-01	1.85E+00	1.03E+00	2.80E+01	9.66E+00	5.39E-01	3.93E+01	9.95E-01	3.54E-04	9.66E-01	1.05E-01	2.07E+00
1984	495211.06	3859401.99	7.77E-01	2.95E-04	9.49E-01	1.06E-01	1.83E+00	1.03E+00	2.83E+01	9.49E+00	5.42E-01	3.93E+01	9.96E-01	3.57E-04	9.49E-01	1.06E-01	2.05E+00
1985	495261.06	3859401.99	7.71E-01	2.97E-04	9.32E-01	1.06E-01	1.81E+00	1.02E+00	2.85E+01	9.32E+00	5.40E-01	3.94E+01	9.88E-01	3.60E-04	9.32E-01	1.06E-01	2.03E+00
1986	495311.06	3859401.99	7.63E-01	2.99E-04	9.13E-01	1.05E-01	1.78E+00	1.01E+00	2.87E+01	9.13E+00	5.36E-01	3.94E+01	9.78E-01	3.63E-04	9.13E-01	1.05E-01	2.00E+00
1987	495361.06	3859401.99	7.64E-01	3.02E-04	8.96E-01	1.06E-01	1.77E+00	1.01E+00	2.89E+01	8.96E+00	5.40E-01	3.94E+01	9.79E-01	3.66E-04	8.96E-01	1.06E-01	1.98E+00
1988	495411.06	3859401.99	7.59E-01	3.04E-04	8.77E-01	1.05E-01	1.74E+00	1.00E+00	2.92E+01	8.77E+00	5.38E-01	3.95E+01	9.73E-01	3.68E-04	8.77E-01	1.05E-01	1.96E+00
1989	495461.06	3859401.99	7.48E-01	3.06E-04	8.58E-01	1.04E-01	1.71E+00	9.88E-01	2.94E+01	8.58E+00	5.31E-01	3.95E+01	9.59E-01	3.71E-04	8.58E-01	1.04E-01	1.92E+00
1990	495511.06	3859401.99	7.30E-01	3.08E-04	8.35E-01	1.01E-01	1.67E+00	9.65E-01	2.95E+01	8.35E+00	5.16E-01	3.94E+01	9.36E-01	3.73E-04	8.35E-01	1.01E-01	1.87E+00
1991	495561.06	3859401.99	7.09E-01	3.10E-04	8.08E-01	9.73E-02	1.62E+00	9.37E-01	2.97E+01	8.08E+00	4.97E-01	3.92E+01	9.09E-01	3.75E-04	8.08E-01	9.73E-02	1.82E+00
1992	495611.06	3859401.99	6.97E-01	3.12E-04	7.86E-01	9.55E-02	1.58E+00	9.21E-01	2.99E+01	7.86E+00	4.88E-01	3.92E+01	8.94E-01	3.78E-04	7.86E-01	9.55E-02	1.78E+00
1993	495661.06	3859401.99	6.87E-01	3.14E-04	7.64E-01	9.41E-02	1.55E+00	9.08E-01	3.01E+01	7.64E+00	4.81E-01	3.91E+01	8.81E-01	3.80E-04	7.64E-01	9.41E-02	1.74E+00
1994	494311.06	3859451.99	9.79E-01	4.76E-04	6.38E-01	8.87E-02	1.71E+00	1.29E+00	4.56E+01	6.38E+00	4.53E-01	5.37E+01	1.26E+00	5.76E-04	6.38E-01	8.87E-02	1.98E+00
1995	494361.06	3859451.99	9.78E-01	4.75E-04	6.91E-01	9.03E-02	1.76E+00	1.29E+00	4.56E+01	6.91E+00	4.61E-01	5.43E+01	1.25E+00	5.76E-04	6.91E-01	9.03E-02	2.04E+00
1996	494411.06	3859451.99	9.71E-01	3.36E-04	7.73E-01	9.24E-02	1.84E+00	1.28E+00	3.22E+01	7.73E+00	4.72E-01	4.17E+01	1.25E+00	4.07E-04	7.73E-01	9.24E-02	2.11E+00
1997	494461.06	3859451.99	9.70E-01	3.32E-04	7.88E-01	9.35E-02	1.85E+00	1.28E+00	3.19E+01	7.88E+00	4.78E-01	4.15E+01	1.24E+00	4.03E-04	7.88E-01	9.35E-02	2.13E+00
1998	494511.06	3859451.99	9.65E-01	3.20E-04	8.27E-01	9.61E-02	1.89E+00	1.27E+00	3.07E+01	8.27E+00	4.91E-01	4.07E+01	1.24E+00	3.88E-04	8.27E-01	9.61E-02	2.16E+00
1999	494561.06	3859451.99	9.59E-01	3.12E-04	8.53E-01	9.78E-02	1.91E+00	1.27E+00	2.99E+01	8.53E+00	5.00E-01	4.02E+01	1.23E+00	3.78E-04	8.53E-01	9.78E-02	2.18E+00
2000	494611.06	3859451.99	9.55E-01	3.10E-04	8.59E-01	9.89E-02	1.91E+00	1.26E+00	2.97E+01	8.59E+00	5.05E-01	4.01E+01	1.22E+00	3.75E-04	8.59E-01	9.89E-02	2.18E+00
2001	494661.06	3859451.99	9.45E-01	2.96E-04	8.98E-01	1.02E-01	1.94E+00	1.25E+00	2.84E+01	8.98E+00	5.20E-01	3.92E+01	1.21E+00	3.59E-04	8.98E-01	1.02E-01	2.21E+00
2002	494711.06	3859451.99	9.33E-01	2.83E-04	9.33E-01	1.04E-01	1.97E+00	1.23E+00	2.72E+01	9.33E+00	5.31E-01	3.83E+01	1.20E+00	3.43E-04	9.33E-01	1.04E-01	2.23E+00
2003	494761.06	3859451.99	9.22E-01	2.74E-04	9.55E-01	1.06E-01	1.98E+00	1.22E+00	2.62E+01	9.55E+00	5.40E-01	3.75E+01	1.18E+00	3.31E-04	9.55E-01	1.06E-01	2.24E+00
2004	494811.06	3859451.99	9.03E-01	2.64E-04	9.94E-01	1.07E-01	2.00E+00	1.19E+00	2.54E+01	9.94E+00	5.48E-01	3.70E+01	1.16E+00	3.20E-04	9.94E-01	1.07E-01	2.26E+00
2005	494861.06	3859451.99	8.86E-01	2.67E-04	1.02E+00	1.08E-01	2.01E+00	1.17E+00	2.56E+01	1.02E+01	5.51E-01	3.74E+01	1.14E+00	3.23E-04	1.02E+00	1.08E-01	2.26E+00
2006	494911.06	3859451.99	8.72E-01	2.69E-04	1.02E+00	1.08E-01	2.01E+00	1.15E+00	2.58E+01	1.02E+01	5.52E-01	3.77E+01	1.12E+00	3.26E-04	1.02E+00	1.08E-01	2.25E+00
2007	494961.06	3859451.99	8.63E-01	2.71E-04	1.02E+00	1.09E-01	1.99E+00	1.14E+00	2.60E+01	1.02E+01	5.55E-01	3.79E+01	1.11E+00	3.28E-04	1.02E+00	1.09E-01	2.24E+00
2008	495011.06	3859451.99	8.51E-01	2.73E-04	1.02E+00	1.09E-01	1.98E+00	1.12E+00	2.62E+01	1.02E+01	5.56E-01	3.81E+01	1.09E+00	3.31E-04	1.02E+00	1.09E-01	2.22E+00
2009	495061.06	3859451.99	8.38E-01	2.76E-04	1.02E+00	1.09E-01	1.96E+00	1.11E+00	2.65E+01	1.02E+01	5.56E-01	3.83E+01	1.07E+00	3.34E-04	1.02E+00	1.09E-01	2.20E+00

2010	495111.06	3859451.99	8.25E-01	2.78E-04	1.01E+00	1.09E-01	1.94E+00	1.09E+00	2.67E+01	1.01E+01	5.54E-01	3.84E+01	1.06E+00	3.37E-04	1.01E+00	1.09E-01	2.18E+00
2011	495161.06	3859451.99	8.17E-01	2.81E-04	9.98E-01	1.09E-01	1.92E+00	1.08E+00	2.69E+01	9.98E+00	5.57E-01	3.85E+01	1.05E+00	3.40E-04	9.98E-01	1.09E-01	2.15E+00
2012	495211.06	3859451.99	8.17E-01	2.83E-04	9.83E-01	1.10E-01	1.91E+00	1.08E+00	2.71E+01	9.83E+00	5.60E-01	3.86E+01	1.05E+00	3.43E-04	9.83E-01	1.10E-01	2.14E+00
2013	495261.06	3859451.99	8.15E-01	2.86E-04	9.69E-01	1.10E-01	1.89E+00	1.08E+00	2.74E+01	9.69E+00	5.62E-01	3.87E+01	1.05E+00	3.46E-04	9.69E-01	1.10E-01	2.12E+00
2014	495311.06	3859451.99	8.08E-01	2.88E-04	9.58E-01	1.10E-01	1.88E+00	1.07E+00	2.76E+01	9.58E+00	5.60E-01	3.88E+01	1.04E+00	3.49E-04	9.58E-01	1.10E-01	2.10E+00
2015	495361.06	3859451.99	8.02E-01	2.90E-04	9.44E-01	1.10E-01	1.86E+00	1.06E+00	2.78E+01	9.44E+00	5.59E-01	3.89E+01	1.03E+00	3.52E-04	9.44E-01	1.10E-01	2.08E+00
2016	495411.06	3859451.99	7.94E-01	2.92E-04	9.31E-01	1.09E-01	1.83E+00	1.05E+00	2.80E+01	9.31E+00	5.56E-01	3.90E+01	1.02E+00	3.54E-04	9.31E-01	1.09E-01	2.06E+00
2017	495461.06	3859451.99	7.87E-01	2.95E-04	9.17E-01	1.09E-01	1.81E+00	1.04E+00	2.83E+01	9.17E+00	5.54E-01	3.90E+01	1.01E+00	3.57E-04	9.17E-01	1.09E-01	2.03E+00
2018	495511.06	3859451.99	7.68E-01	2.97E-04	9.05E-01	1.06E-01	1.78E+00	1.01E+00	2.85E+01	9.05E+00	5.42E-01	3.91E+01	9.85E-01	3.60E-04	9.05E-01	1.06E-01	2.00E+00
2019	495561.06	3859451.99	7.57E-01	2.99E-04	8.88E-01	1.05E-01	1.75E+00	9.99E-01	2.87E+01	8.88E+00	5.35E-01	3.91E+01	9.70E-01	3.62E-04	8.88E-01	1.05E-01	1.96E+00
2020	495611.06	3859451.99	7.45E-01	3.01E-04	8.71E-01	1.03E-01	1.72E+00	9.84E-01	2.89E+01	8.71E+00	5.28E-01	3.91E+01	9.55E-01	3.65E-04	8.71E-01	1.03E-01	1.93E+00
2021	495661.06	3859451.99	7.34E-01	3.03E-04	8.52E-01	1.02E-01	1.69E+00	9.69E-01	2.91E+01	8.52E+00	5.20E-01	3.91E+01	9.41E-01	3.67E-04	8.52E-01	1.02E-01	1.90E+00
2022	494311.06	3859501.99	9.89E-01	4.65E-04	5.83E-01	8.70E-02	1.66E+00	1.31E+00	4.46E+01	5.83E+00	4.44E-01	5.22E+01	1.27E+00	5.64E-04	5.83E-01	8.70E-02	1.94E+00
2023	494361.06	3859501.99	9.80E-01	4.65E-04	6.10E-01	8.94E-02	1.68E+00	1.30E+00	4.46E+01	6.10E+00	4.57E-01	5.25E+01	1.26E+00	5.64E-04	6.10E-01	8.94E-02	1.96E+00
2024	494411.06	3859501.99	9.62E-01	4.65E-04	6.90E-01	9.32E-02	1.75E+00	1.27E+00	4.46E+01	6.90E+00	4.76E-01	5.32E+01	1.23E+00	5.63E-04	6.90E-01	9.32E-02	2.02E+00
2025	494461.06	3859501.99	9.63E-01	4.66E-04	6.66E-01	9.23E-02	1.72E+00	1.27E+00	4.47E+01	6.66E+00	4.72E-01	5.31E+01	1.23E+00	5.64E-04	6.66E-01	9.23E-02	1.99E+00
2026	494511.06	3859501.99	9.61E-01	3.53E-04	7.15E-01	9.33E-02	1.77E+00	1.27E+00	3.38E+01	7.15E+00	4.77E-01	4.27E+01	1.23E+00	4.27E-04	7.15E-01	9.33E-02	2.04E+00
2027	494561.06	3859501.99	9.59E-01	3.41E-04	7.54E-01	9.37E-02	1.81E+00	1.27E+00	3.27E+01	7.54E+00	4.78E-01	4.20E+01	1.23E+00	4.13E-04	7.54E-01	9.37E-02	2.08E+00
2028	494611.06	3859501.99	9.61E-01	3.50E-04	7.35E-01	9.30E-02	1.79E+00	1.27E+00	3.35E+01	7.35E+00	4.75E-01	4.26E+01	1.23E+00	4.24E-04	7.35E-01	9.30E-02	2.06E+00
2029	494661.06	3859501.99	9.54E-01	3.32E-04	7.90E-01	9.41E-02	1.84E+00	1.26E+00	3.18E+01	7.90E+00	4.81E-01	4.15E+01	1.22E+00	4.02E-04	7.90E-01	9.41E-02	2.11E+00
2030	494711.06	3859501.99	9.43E-01	3.10E-04	8.55E-01	9.80E-02	1.90E+00	1.25E+00	2.97E+01	8.55E+00	5.00E-01	4.00E+01	1.21E+00	3.76E-04	8.55E-01	9.80E-02	2.16E+00
2031	494761.06	3859501.99	9.41E-01	3.12E-04	8.53E-01	9.80E-02	1.89E+00	1.24E+00	2.99E+01	8.53E+00	5.01E-01	4.02E+01	1.21E+00	3.78E-04	8.53E-01	9.80E-02	2.16E+00
2032	494811.06	3859501.99	9.21E-01	2.83E-04	9.30E-01	1.02E-01	1.95E+00	1.22E+00	2.71E+01	9.30E+00	5.19E-01	3.82E+01	1.18E+00	3.43E-04	9.30E-01	1.02E-01	2.21E+00
2033	494861.06	3859501.99	9.12E-01	2.76E-04	9.49E-01	1.03E-01	1.96E+00	1.20E+00	2.65E+01	9.49E+00	5.26E-01	3.77E+01	1.17E+00	3.34E-04	9.49E-01	1.03E-01	2.22E+00
2034	494911.06	3859501.99	9.06E-01	2.74E-04	9.53E-01	1.04E-01	1.96E+00	1.20E+00	2.63E+01	9.53E+00	5.32E-01	3.75E+01	1.16E+00	3.32E-04	9.53E-01	1.04E-01	2.22E+00
2035	494961.06	3859501.99	8.92E-01	2.63E-04	9.75E-01	1.05E-01	1.97E+00	1.18E+00	2.52E+01	9.75E+00	5.38E-01	3.67E+01	1.14E+00	3.19E-04	9.75E-01	1.05E-01	2.23E+00
2036	495011.06	3859501.99	8.85E-01	2.63E-04	9.76E-01	1.06E-01	1.97E+00	1.17E+00	2.52E+01	9.76E+00	5.42E-01	3.67E+01	1.13E+00	3.19E-04	9.76E-01	1.06E-01	2.22E+00
2037	495061.06	3859501.99	8.78E-01	2.65E-04	9.74E-01	1.07E-01	1.96E+00	1.16E+00	2.54E+01	9.74E+00	5.47E-01	3.69E+01	1.13E+00	3.21E-04	9.74E-01	1.07E-01	2.21E+00
2038	495111.06	3859501.99	8.63E-01	2.67E-04	9.88E-01	1.08E-01	1.96E+00	1.14E+00	2.56E+01	9.88E+00	5.49E-01	3.72E+01	1.11E+00	3.24E-04	9.88E-01	1.08E-01	2.20E+00
2039	495161.06	3859501.99	8.54E-01	2.70E-04	9.83E-01	1.08E-01	1.95E+00	1.13E+00	2.59E+01	9.83E+00	5.53E-01	3.74E+01	1.10E+00	3.27E-04	9.83E-01	1.08E-01	2.19E+00
2040	495211.06	3859501.99	8.49E-01	2.72E-04	9.71E-01	1.09E-01	1.93E+00	1.12E+00	2.61E+01	9.71E+00	5.56E-01	3.75E+01	1.09E+00	3.29E-04	9.71E-01	1.09E-01	2.17E+00
2041	495261.06	3859501.99	8.42E-01	2.74E-04	9.64E-01	1.09E-01	1.92E+00	1.11E+00	2.63E+01	9.64E+00	5.59E-01	3.76E+01	1.08E+00	3.32E-04	9.64E-01	1.09E-01	2.15E+00
2042	495311.06	3859501.99	8.40E-01	2.77E-04	9.54E-01	1.10E-01	1.90E+00	1.11E+00	2.65E+01	9.54E+00	5.61E-01	3.77E+01	1.08E+00	3.35E-04	9.54E-01	1.10E-01	2.14E+00
2043	495361.06	3859501.99	8.35E-01	2.79E-04	9.48E-01	1.10E-01	1.89E+00	1.10E+00	2.68E+01	9.48E+00	5.63E-01	3.79E+01	1.07E+00	3.38E-04	9.48E-01	1.10E-01	2.13E+00
2044	495411.06	3859501.99	8.29E-01	3.78E-04	9.41E-01	1.10E-01	1.88E+00	1.10E+00	3.63E+01	9.41E+00	5.63E-01	4.74E+01	1.06E+00	4.58E-04	9.41E-01	1.10E-01	2.11E+00
2045	495461.06	3859501.99	8.21E-01	2.83E-04	9.35E-01	1.10E-01	1.87E+00	1.09E+00	2.72E+01	9.35E+00	5.63E-01	3.82E+01	1.05E+00	3.43E-04	9.35E-01	1.10E-01	2.10E+00
2046	495511.06	3859501.99	8.01E-01	2.86E-04	9.43E-01	1.11E-01	1.85E+00	1.06E+00	2.74E+01	9.43E+00	5.64E-01	3.84E+01	1.03E+00	3.46E-04	9.43E-01	1.11E-01	2.08E+00
2047	495561.06	3859501.99	7.97E-01	2.88E-04	9.27E-01	1.09E-01	1.83E+00	1.05E+00	2.76E+01	9.27E+00	5.56E-01	3.85E+01	1.02E+00	3.49E-04	9.27E-01	1.09E-01	2.06E+00
2048	495611.06	3859501.99	7.86E-01	2.90E-04	9.18E-01	1.08E-01	1.81E+00	1.04E+00	2.78E+01	9.18E+00	5.51E-01	3.86E+01	1.01E+00	3.51E-04	9.18E-01	1.08E-01	2.03E+00
2049	495661.06	3859501.99	7.73E-01	2.92E-04	9.07E-01	1.07E-01	1.79E+00	1.02E+00	2.80E+01	9.07E+00	5.44E-01	3.87E+01	9.91E-01	3.54E-04	9.07E-01	1.07E-01	2.00E+00
2050	494311.06	3859551.99	9.87E-01	4.61E-04	5.54E-01	8.47E-02	1.63E+00	1.30E+00	4.42E+01	5.54E+00	4.33E-01	5.15E+01	1.27E+00	5.59E-04	5.54E-01	8.47E-02	1.90E+00
2051	494361.06	3859551.99	9.83E-01	4.62E-04	5.97E-01	8.91E-02	1.67E+00	1.30E+00	4.43E+01	5.97E+00	4.55E-01	5.20E+01	1.26E+00	5.59E-04	5.97E-01	8.91E-02	1.95E+00
2052	494411.06	3859551.99	9.70E-01	4.61E-04	6.96E-01	9.41E-02	1.76E+00	1.28E+00	4.42E+01	6.96E+00	4.81E-01	5.30E+01	1.24E+00	5.59E-04	6.96E-01	9.41E-02	2.03E+00
2053	494461.06	3859551.99	9.71E-01	4.62E-04	6.43E-01	9.19E-02	1.71E+00	1.28E+00	4.44E+01	6.43E+00	4.69E-01	5.25E+01	1.24E+00	5.60E-04	6.43E-01	9.19E-02	1.98E+00
2054	494511.06	3859551.99	9.61E-01	4.63E-04	6.68E-01	9.36E-02	1.72E+00	1.27E+00	4.44E+01	6.68E+00	4.78E-01	5.28E+01	1.23E+00	5.61E-04	6.68E-01	9.36E-02	1.99E+00
2055	494561.06	3859551.99	9.53E-01	4.63E-04	6.75E-01	9.43E-02	1.72E+00	1.26E+00	4.44E+01	6.75E+00	4.82E-01	5.29E+01	1.22E+00	5.61E-04	6.75E-01	9.43E-02	1.99E+00
2056	494611.06	3859551.99	9.51E-01	4.64E-04	6.59E-01	9.42E-02	1.71E+00	1.26E+00	4.45E+01	6.59E+00	4.81E-01	5.28E+01	1.22E+00	5.62E-04	6.59E-01	9.42E-02	1.97E+00
2057	494661.06	3859551.99	9.51E-01	4.65E-04	6.68E-01	9.46E-02	1.71E+00	1.26E+00	4.46E+01	6.68E+00	4.83E-01	5.30E+01	1.22E+00	5.63E-04	6.68E-01	9.46E-02	1.98E+00
2058	494711.06	3859551.99	9.40E-01	3.27E-04	7.76E-01	9.59E-02	1.81E+00	1.24E+00	3.14E+01	7.76E+00	4.90E-01	4.09E+01	1.21E+00	3.97E-04	7.76E-01	9.59E-02	2.08E+00
2059	494761.06	3859551.99	9.46E-01	3.43E-04	7.43E-01	9.54E-02	1.78E+00	1.25E+00	3.29E+01	7.43E+00	4.87E-01	4.21E+01	1.21E+00	4.16E-04	7.43E-01	9.54E-02	2.05E+00
2060	494811.06	3859551.99	9.35E-01	3.19E-04	8.14E-01	9.59E-02	1.85E+00	1.24E+00	3.06E+01	8.14E+00	4.90E-01	4.04E+01	1.20E+00	3.86E-04	8.14E-01	9.59E-02	2.11E+00
2061	494861.06	3859551.99	9.30E-01	3.12E-04	8.38E-01	9.72E-02	1.87E+00	1.23E+00	2.99E+01	8.38E+00	4.97E-01	4.00E+01	1.19E+00	3.78E-04	8.38E-01	9.72E-02	2.13E+00
2062	494911.06	3859551.99	9.22E-01	3.02E-04	8.68E-01	9.88E-02	1.89E+00	1.22E+00	2.90E+01	8.68E+00	5.04E-01	3.94E+01	1.18E+00	3.66E-04	8.68E-01	9.88E-02	2.15E+00
2063	494961.06	3859551.99	9.17E-01	3.01E-04	8.76E-01	9.91E-02	1.89E+00	1.21E+00	2.88E+01	8.76E+00	5.06E-01	3.93E+01	1.18E+00	3.64E-04	8.76E-01	9.91E-02	2.15E+00
2064	495011.06	3859551.99	9.13E-01	3.01E-04	8.77E-01	1.00E-01	1.89E+00	1.21E+00	2.89E+01	8.77E+00	5.11E-01	3.94E+01	1.17E+00	3.65E-04	8.77E-01	1.00E-01	2.15E+00
2065	495061.06	3859551.99	9.05E-01	2.96E-04	8.92E-01	1.02E-01	1.90E+00	1.20E+00	2.84E+01	8.92E+00	5.19E-01	3.90E+01	1.16E+00	3.58E-04	8.92E-01	1.02E-01	2.15E+00
2066	495111.06	3859551.99	8.94E-01	2.87E-04	9.14E-01	1.03E-01	1.91E+00	1.18E+00	2.75E+01	9.14E+00	5.27E-01	3.84E+01	1.15E+00	3.47E-04	9.14E-01	1.03E-01	2.16E+00
2067	495161.06	3859551.99	8.88E-01	2.88E-04	9.12E-01	1.04E-01	1.90E+00	1.17E+00	2.76E+01	9.12E+00	5.31E-01	3.84E+01	1.14E+00	3.49E-04	9.12E-01	1.04E-01	2.16E+00
2068	495211.06	3859551.99	8.83E-01	2.91E-04	9.03E-01	1.05E-01	1.89E+00	1.17E+00	2.79E+01	9.03E+00	5.35E-01	3.86E+01	1.13E+00	3.52E-04	9.03E-01	1.05E-01	2.14E+00
2069	495261.06	3859551.99	8.72E-01	2.85E-04	9.14E-01	1.06E-01	1.89E+00	1.15E+00	2.73E+01	9.14E+00	5.41E-01	3.82E+01	1.12E+00	3.45E-04	9.14E-01	1.06E-01	2.14E+00
2070	495311.06	3859551.99	8.62E-01	2.82E-04	9.17E-01	1.07E-01	1.89E+00	1.14E+00	2.70E+01	9.17E+00	5.45E-01	3.79E+01	1.11E+00	3.41E-04	9.17E-01	1.07E-01	2.13E+00

2071	495361.06	3859551.99	8.56E-01	2.81E-04	9.15E-01	1.07E-01	1.88E+00	1.13E+00	2.69E+01	9.15E+00	5.49E-01	3.78E+01	1.10E+00	3.40E-04	9.15E-01	1.07E-01	2.12E+00
2072	495411.06	3859551.99	8.55E-01	2.81E-04	9.08E-01	1.08E-01	1.87E+00	1.13E+00	2.70E+01	9.08E+00	5.52E-01	3.77E+01	1.10E+00	3.41E-04	9.08E-01	1.08E-01	2.11E+00
2073	495461.06	3859551.99	8.44E-01	2.73E-04	9.22E-01	1.09E-01	1.87E+00	1.11E+00	2.62E+01	9.22E+00	5.54E-01	3.70E+01	1.08E+00	3.30E-04	9.22E-01	1.09E-01	2.11E+00
2074	495511.06	3859551.99	8.31E-01	2.75E-04	9.33E-01	1.09E-01	1.87E+00	1.10E+00	2.64E+01	9.33E+00	5.55E-01	3.73E+01	1.07E+00	3.33E-04	9.33E-01	1.09E-01	2.11E+00
2075	495561.06	3859551.99	8.25E-01	2.77E-04	9.30E-01	1.09E-01	1.86E+00	1.09E+00	2.66E+01	9.30E+00	5.56E-01	3.75E+01	1.06E+00	3.36E-04	9.30E-01	1.09E-01	2.10E+00
2076	495611.06	3859551.99	8.17E-01	2.79E-04	9.27E-01	1.09E-01	1.85E+00	1.08E+00	2.68E+01	9.27E+00	5.56E-01	3.77E+01	1.05E+00	3.38E-04	9.27E-01	1.09E-01	2.08E+00
2077	495661.06	3859551.99	8.06E-01	2.81E-04	9.25E-01	1.08E-01	1.84E+00	1.06E+00	2.70E+01	9.25E+00	5.54E-01	3.78E+01	1.03E+00	3.41E-04	9.25E-01	1.08E-01	2.07E+00
2078	494311.06	3859601.99	9.85E-01	4.69E-04	4.96E-01	8.04E-02	1.56E+00	1.30E+00	4.49E+01	4.96E+00	4.10E-01	5.16E+01	1.26E+00	5.68E-04	4.96E-01	8.04E-02	1.84E+00
2079	494361.06	3859601.99	9.77E-01	4.63E-04	6.07E-01	8.92E-02	1.67E+00	1.29E+00	4.44E+01	6.07E+00	4.56E-01	5.22E+01	1.25E+00	5.61E-04	6.07E-01	8.92E-02	1.95E+00
2080	494411.06	3859601.99	9.71E-01	4.63E-04	6.63E-01	9.26E-02	1.73E+00	1.28E+00	4.44E+01	6.63E+00	4.73E-01	5.28E+01	1.24E+00	5.61E-04	6.63E-01	9.26E-02	2.00E+00
2081	494461.06	3859601.99	9.72E-01	4.65E-04	6.11E-01	9.02E-02	1.67E+00	1.28E+00	4.46E+01	6.11E+00	4.61E-01	5.24E+01	1.25E+00	5.63E-04	6.11E-01	9.02E-02	1.95E+00
2082	494511.06	3859601.99	9.65E-01	4.65E-04	6.72E-01	9.40E-02	1.73E+00	1.28E+00	4.46E+01	6.72E+00	4.80E-01	5.30E+01	1.24E+00	5.63E-04	6.72E-01	9.40E-02	2.00E+00
2083	494561.06	3859601.99	9.64E-01	4.66E-04	6.35E-01	9.28E-02	1.69E+00	1.27E+00	4.47E+01	6.35E+00	4.74E-01	5.28E+01	1.24E+00	5.64E-04	6.35E-01	9.28E-02	1.96E+00
2084	494611.06	3859601.99	9.60E-01	4.67E-04	6.20E-01	9.26E-02	1.67E+00	1.27E+00	4.48E+01	6.20E+00	4.73E-01	5.27E+01	1.23E+00	5.65E-04	6.20E-01	9.26E-02	1.94E+00
2085	494661.06	3859601.99	9.48E-01	4.67E-04	6.77E-01	9.64E-02	1.72E+00	1.25E+00	4.48E+01	6.77E+00	4.92E-01	5.33E+01	1.22E+00	5.66E-04	6.77E-01	9.64E-02	1.99E+00
2086	494711.06	3859601.99	9.33E-01	3.56E-04	7.33E-01	9.78E-02	1.76E+00	1.23E+00	3.42E+01	7.33E+00	4.99E-01	4.32E+01	1.20E+00	4.32E-04	7.33E-01	9.78E-02	2.03E+00
2087	494761.06	3859601.99	9.41E-01	4.69E-04	6.46E-01	9.55E-02	1.68E+00	1.24E+00	4.49E+01	6.46E+00	4.88E-01	5.31E+01	1.21E+00	5.68E-04	6.46E-01	9.55E-02	1.95E+00
2088	494811.06	3859601.99	9.37E-01	3.55E-04	7.00E-01	9.75E-02	1.73E+00	1.24E+00	3.40E+01	7.00E+00	4.98E-01	4.27E+01	1.20E+00	4.30E-04	7.00E-01	9.75E-02	2.00E+00
2089	494861.06	3859601.99	9.36E-01	3.50E-04	6.98E-01	9.75E-02	1.73E+00	1.24E+00	3.35E+01	6.98E+00	4.98E-01	4.22E+01	1.20E+00	4.24E-04	6.98E-01	9.75E-02	2.00E+00
2090	494911.06	3859601.99	9.29E-01	3.33E-04	7.51E-01	9.77E-02	1.78E+00	1.23E+00	3.19E+01	7.51E+00	4.99E-01	4.11E+01	1.19E+00	4.03E-04	7.51E-01	9.77E-02	2.04E+00
2091	494961.06	3859601.99	9.33E-01	3.44E-04	7.30E-01	9.73E-02	1.76E+00	1.23E+00	3.30E+01	7.30E+00	4.97E-01	4.20E+01	1.20E+00	4.16E-04	7.30E-01	9.73E-02	2.02E+00
2092	495011.06	3859601.99	9.23E-01	3.25E-04	7.85E-01	9.71E-02	1.81E+00	1.22E+00	3.12E+01	7.85E+00	4.96E-01	4.08E+01	1.18E+00	3.94E-04	7.85E-01	9.71E-02	2.07E+00
2093	495061.06	3859601.99	9.22E-01	3.30E-04	7.79E-01	9.69E-02	1.80E+00	1.22E+00	3.16E+01	7.79E+00	4.95E-01	4.11E+01	1.18E+00	4.00E-04	7.79E-01	9.69E-02	2.06E+00
2094	495111.06	3859601.99	9.14E-01	3.19E-04	8.13E-01	9.64E-02	1.82E+00	1.21E+00	3.06E+01	8.13E+00	4.93E-01	4.04E+01	1.17E+00	3.87E-04	8.13E-01	9.64E-02	2.08E+00
2095	495161.06	3859601.99	9.10E-01	3.21E-04	8.12E-01	9.68E-02	1.82E+00	1.20E+00	3.08E+01	8.12E+00	4.95E-01	4.06E+01	1.17E+00	3.89E-04	8.12E-01	9.68E-02	2.08E+00
2096	495211.06	3859601.99	9.04E-01	3.18E-04	8.22E-01	9.82E-02	1.82E+00	1.19E+00	3.05E+01	8.22E+00	5.02E-01	4.05E+01	1.16E+00	3.86E-04	8.22E-01	9.82E-02	2.08E+00
2097	495261.06	3859601.99	8.98E-01	3.18E-04	8.25E-01	9.94E-02	1.82E+00	1.19E+00	3.05E+01	8.25E+00	5.08E-01	4.05E+01	1.15E+00	3.85E-04	8.25E-01	9.94E-02	2.08E+00
2098	495311.06	3859601.99	8.91E-01	3.19E-04	8.25E-01	1.00E-01	1.82E+00	1.18E+00	3.06E+01	8.25E+00	5.12E-01	4.05E+01	1.14E+00	3.86E-04	8.25E-01	1.00E-01	2.07E+00
2099	495361.06	3859601.99	8.82E-01	3.15E-04	8.36E-01	1.02E-01	1.82E+00	1.17E+00	3.02E+01	8.36E+00	5.19E-01	4.02E+01	1.13E+00	3.81E-04	8.36E-01	1.02E-01	2.07E+00
2100	495411.06	3859601.99	8.74E-01	3.14E-04	8.36E-01	1.02E-01	1.81E+00	1.15E+00	3.02E+01	8.36E+00	5.24E-01	4.02E+01	1.12E+00	3.81E-04	8.36E-01	1.02E-01	2.06E+00
2101	495461.06	3859601.99	8.60E-01	3.00E-04	8.70E-01	1.04E-01	1.83E+00	1.14E+00	2.88E+01	8.70E+00	5.33E-01	3.92E+01	1.10E+00	3.64E-04	8.70E-01	1.04E-01	2.08E+00
2102	495511.06	3859601.99	8.50E-01	2.89E-04	8.94E-01	1.06E-01	1.85E+00	1.12E+00	2.77E+01	8.94E+00	5.39E-01	3.83E+01	1.09E+00	3.50E-04	8.94E-01	1.06E-01	2.09E+00
2103	495561.06	3859601.99	8.50E-01	2.92E-04	8.83E-01	1.06E-01	1.84E+00	1.12E+00	2.80E+01	8.83E+00	5.42E-01	3.85E+01	1.09E+00	3.53E-04	8.83E-01	1.06E-01	2.08E+00
2104	495611.06	3859601.99	8.36E-01	2.78E-04	9.09E-01	1.07E-01	1.85E+00	1.10E+00	2.66E+01	9.09E+00	5.46E-01	3.74E+01	1.07E+00	3.36E-04	9.09E-01	1.07E-01	2.09E+00
2105	495661.06	3859601.99	8.32E-01	2.77E-04	9.04E-01	1.07E-01	1.84E+00	1.10E+00	2.66E+01	9.04E+00	5.48E-01	3.73E+01	1.07E+00	3.36E-04	9.04E-01	1.07E-01	2.08E+00
2106	494311.06	3859651.99	9.88E-01	4.77E-04	4.71E-01	7.92E-02	1.54E+00	1.31E+00	4.57E+01	4.71E+00	4.05E-01	5.22E+01	1.27E+00	5.78E-04	4.71E-01	7.92E-02	1.82E+00
2107	494361.06	3859651.99	9.86E-01	4.69E-04	5.77E-01	8.82E-02	1.65E+00	1.30E+00	4.50E+01	5.77E+00	4.50E-01	5.25E+01	1.26E+00	5.68E-04	5.77E-01	8.82E-02	1.93E+00
2108	494411.06	3859651.99	9.79E-01	4.70E-04	5.95E-01	8.97E-02	1.66E+00	1.29E+00	4.51E+01	5.95E+00	4.58E-01	5.28E+01	1.26E+00	5.69E-04	5.95E-01	8.97E-02	1.94E+00
2109	494461.06	3859651.99	9.71E-01	4.71E-04	5.52E-01	8.71E-02	1.61E+00	1.28E+00	4.52E+01	5.52E+00	4.45E-01	5.24E+01	1.24E+00	5.71E-04	5.52E-01	8.71E-02	1.88E+00
2110	494511.06	3859651.99	9.63E-01	4.72E-04	5.75E-01	8.92E-02	1.63E+00	1.27E+00	4.52E+01	5.75E+00	4.55E-01	5.27E+01	1.23E+00	5.71E-04	5.75E-01	8.92E-02	1.90E+00
2111	494561.06	3859651.99	9.63E-01	4.72E-04	5.74E-01	8.95E-02	1.63E+00	1.27E+00	4.53E+01	5.74E+00	4.57E-01	5.28E+01	1.23E+00	5.72E-04	5.74E-01	8.95E-02	1.90E+00
2112	494611.06	3859651.99	9.61E-01	4.73E-04	5.76E-01	9.02E-02	1.63E+00	1.27E+00	4.54E+01	5.76E+00	4.61E-01	5.29E+01	1.23E+00	5.73E-04	5.76E-01	9.02E-02	1.90E+00
2113	494661.06	3859651.99	9.54E-01	4.73E-04	6.55E-01	9.63E-02	1.71E+00	1.26E+00	4.54E+01	6.55E+00	4.92E-01	5.37E+01	1.22E+00	5.73E-04	6.55E-01	9.63E-02	1.98E+00
2114	494711.06	3859651.99	9.50E-01	4.74E-04	6.50E-01	9.65E-02	1.70E+00	1.26E+00	4.55E+01	6.50E+00	4.93E-01	5.37E+01	1.22E+00	5.74E-04	6.50E-01	9.65E-02	1.97E+00
2115	494761.06	3859651.99	9.46E-01	4.75E-04	6.40E-01	9.57E-02	1.68E+00	1.25E+00	4.55E+01	6.40E+00	4.89E-01	5.37E+01	1.21E+00	5.75E-04	6.40E-01	9.57E-02	1.95E+00
2116	494811.06	3859651.99	9.37E-01	4.75E-04	6.70E-01	9.76E-02	1.71E+00	1.24E+00	4.56E+01	6.70E+00	4.98E-01	5.40E+01	1.20E+00	5.75E-04	6.70E-01	9.76E-02	1.97E+00
2117	494861.06	3859651.99	9.31E-01	4.76E-04	6.61E-01	9.77E-02	1.69E+00	1.23E+00	4.56E+01	6.61E+00	4.99E-01	5.40E+01	1.19E+00	5.76E-04	6.61E-01	9.77E-02	1.95E+00
2118	494911.06	3859651.99	9.28E-01	4.76E-04	6.68E-01	9.84E-02	1.69E+00	1.23E+00	4.57E+01	6.68E+00	5.02E-01	5.41E+01	1.19E+00	5.77E-04	6.68E-01	9.84E-02	1.96E+00
2119	494961.06	3859651.99	9.29E-01	4.77E-04	6.61E-01	9.85E-02	1.69E+00	1.23E+00	4.57E+01	6.61E+00	5.03E-01	5.41E+01	1.19E+00	5.78E-04	6.61E-01	9.85E-02	1.95E+00
2120	495011.06	3859651.99	9.28E-01	3.65E-04	6.60E-01	9.89E-02	1.69E+00	1.23E+00	3.50E+01	6.60E+00	5.05E-01	4.33E+01	1.19E+00	4.42E-04	6.60E-01	9.89E-02	1.95E+00
2121	495061.06	3859651.99	9.28E-01	3.64E-04	6.43E-01	9.87E-02	1.67E+00	1.23E+00	3.49E+01	6.43E+00	5.04E-01	4.31E+01	1.19E+00	4.41E-04	6.43E-01	9.87E-02	1.93E+00
2122	495111.06	3859651.99	9.25E-01	3.56E-04	6.72E-01	9.90E-02	1.70E+00	1.22E+00	3.42E+01	6.72E+00	5.06E-01	4.26E+01	1.19E+00	4.32E-04	6.72E-01	9.90E-02	1.96E+00
2123	495161.06	3859651.99	9.22E-01	3.53E-04	6.88E-01	9.90E-02	1.71E+00	1.22E+00	3.39E+01	6.88E+00	5.06E-01	4.25E+01	1.18E+00	4.28E-04	6.88E-01	9.90E-02	1.97E+00
2124	495211.06	3859651.99	9.18E-01	3.53E-04	6.96E-01	9.88E-02	1.71E+00	1.21E+00	3.38E+01	6.96E+00	5.05E-01	4.25E+01	1.18E+00	4.27E-04	6.96E-01	9.88E-02	1.97E+00
2125	495261.06	3859651.99	9.13E-01	3.49E-04	7.13E-01	9.87E-02	1.73E+00	1.21E+00	3.35E+01	7.13E+00	5.04E-01	4.23E+01	1.17E+00	4.23E-04	7.13E-01	9.87E-02	1.98E+00
2126	495311.06	3859651.99	9.08E-01	3.47E-04	7.24E-01	9.85E-02	1.73E+00	1.20E+00	3.33E+01	7.24E+00	5.03E-01	4.22E+01	1.16E+00	4.20E-04	7.24E-01	9.85E-02	1.99E+00
2127	495361.06	3859651.99	9.02E-01	3.46E-04	7.30E-01	9.83E-02	1.73E+00	1.19E+00	3.32E+01	7.30E+00	5.02E-01	4.22E+01	1.16E+00	4.19E-04	7.30E-01	9.83E-02	1.99E+00
2128	495411.06	3859651.99	8.95E-01	3.42E-04	7.45E-01	9.82E-02	1.74E+00	1.18E+00	3.28E+01	7.45E+00	5.01E-01	4.19E+01	1.15E+00	4.14E-04	7.45E-01	9.82E-02	1.99E+00
2129	495461.06	3859651.99	8.83E-01	3.28E-04	7.85E-01	9.78E-02	1.77E+00	1.17E+00	3.15E+01	7.85E+00	5.00E-01	4.10E+01	1.13E+00	3.98E-04	7.85E-01	9.78E-02	2.02E+00
2130	495511.06	3859651.99	8.72E-01	3.18E-04	8.14E-01	9.99E-02	1.79E+00	1.15E+00	3.05E+01	8.14E+00	5.10E-01	4.03E+01	1.12E+00	3.85E-04	8.14E-01	9.99E-02	2.03E+00
2131	495561.06	3859651.99	8.63E-01	3.17E-04	8.18E-01	1.01E-01	1.78E+00	1.14E+00	3.04E+01	8.18E+00	5.15E-01	4.02E+01	1.11E+00	3.84E-04	8.18E-01	1.01E-01	2.03E+00

2132	495611.06	3859651.99	8.57E-01	3.11E-04	8.33E-01	1.02E-01	1.79E+00	1.13E+00	2.98E+01	8.33E+00	5.22E-01	3.98E+01	1.10E+00	3.77E-04	8.33E-01	1.02E-01	2.03E+00
2133	495661.06	3859651.99	8.50E-01	3.04E-04	8.49E-01	1.03E-01	1.80E+00	1.12E+00	2.91E+01	8.49E+00	5.28E-01	3.93E+01	1.09E+00	3.68E-04	8.49E-01	1.03E-01	2.04E+00
2134	494311.06	3859701.99	9.86E-01	4.78E-04	5.26E-01	8.55E-02	1.60E+00	1.30E+00	4.58E+01	5.26E+00	4.37E-01	5.28E+01	1.26E+00	5.79E-04	5.26E-01	8.55E-02	1.88E+00
2135	494361.06	3859701.99	9.86E-01	4.78E-04	5.48E-01	8.84E-02	1.62E+00	1.30E+00	4.59E+01	5.48E+00	4.52E-01	5.31E+01	1.26E+00	5.80E-04	5.48E-01	8.84E-02	1.90E+00
2136	494411.06	3859701.99	9.82E-01	4.79E-04	5.42E-01	8.80E-02	1.61E+00	1.30E+00	4.60E+01	5.42E+00	4.50E-01	5.31E+01	1.26E+00	5.81E-04	5.42E-01	8.80E-02	1.89E+00
2137	494461.06	3859701.99	9.74E-01	4.81E-04	4.84E-01	8.31E-02	1.54E+00	1.29E+00	4.61E+01	4.84E+00	4.24E-01	5.26E+01	1.25E+00	5.82E-04	4.84E-01	8.31E-02	1.82E+00
2138	494511.06	3859701.99	9.69E-01	4.81E-04	5.00E-01	8.48E-02	1.55E+00	1.28E+00	4.61E+01	5.00E+00	4.33E-01	5.28E+01	1.24E+00	5.83E-04	5.00E-01	8.48E-02	1.83E+00
2139	494561.06	3859701.99	9.61E-01	4.82E-04	4.98E-01	8.49E-02	1.54E+00	1.27E+00	4.62E+01	4.98E+00	4.34E-01	5.29E+01	1.23E+00	5.84E-04	4.98E-01	8.49E-02	1.82E+00
2140	494611.06	3859701.99	9.52E-01	4.82E-04	5.01E-01	8.55E-02	1.54E+00	1.26E+00	4.63E+01	5.01E+00	4.37E-01	5.30E+01	1.22E+00	5.84E-04	5.01E-01	8.55E-02	1.81E+00
2141	494661.06	3859701.99	9.50E-01	4.82E-04	6.08E-01	9.40E-02	1.65E+00	1.26E+00	4.62E+01	6.08E+00	4.80E-01	5.41E+01	1.22E+00	5.84E-04	6.08E-01	9.40E-02	1.92E+00
2142	494711.06	3859701.99	9.51E-01	4.83E-04	5.81E-01	9.26E-02	1.62E+00	1.26E+00	4.63E+01	5.81E+00	4.73E-01	5.38E+01	1.22E+00	5.85E-04	5.81E-01	9.26E-02	1.89E+00
2143	494761.06	3859701.99	9.48E-01	4.83E-04	6.08E-01	9.48E-02	1.65E+00	1.25E+00	4.63E+01	6.08E+00	4.84E-01	5.42E+01	1.22E+00	5.85E-04	6.08E-01	9.48E-02	1.92E+00
2144	494811.06	3859701.99	9.44E-01	4.84E-04	6.36E-01	9.70E-02	1.68E+00	1.25E+00	4.64E+01	6.36E+00	4.95E-01	5.45E+01	1.21E+00	5.86E-04	6.36E-01	9.70E-02	1.94E+00
2145	494861.06	3859701.99	9.42E-01	4.84E-04	6.01E-01	9.54E-02	1.64E+00	1.24E+00	4.64E+01	6.01E+00	4.87E-01	5.42E+01	1.21E+00	5.87E-04	6.01E-01	9.54E-02	1.90E+00
2146	494911.06	3859701.99	9.36E-01	4.85E-04	6.15E-01	9.67E-02	1.65E+00	1.24E+00	4.65E+01	6.15E+00	4.94E-01	5.44E+01	1.20E+00	5.87E-04	6.15E-01	9.67E-02	1.91E+00
2147	494961.06	3859701.99	9.29E-01	4.85E-04	6.26E-01	9.79E-02	1.65E+00	1.23E+00	4.65E+01	6.26E+00	5.00E-01	5.45E+01	1.19E+00	5.87E-04	6.26E-01	9.79E-02	1.91E+00
2148	495011.06	3859701.99	9.23E-01	4.85E-04	6.12E-01	9.77E-02	1.63E+00	1.22E+00	4.65E+01	6.12E+00	4.99E-01	5.44E+01	1.18E+00	5.88E-04	6.12E-01	9.77E-02	1.89E+00
2149	495061.06	3859701.99	9.20E-01	4.86E-04	6.12E-01	9.82E-02	1.63E+00	1.21E+00	4.66E+01	6.12E+00	5.02E-01	5.44E+01	1.18E+00	5.88E-04	6.12E-01	9.82E-02	1.89E+00
2150	495111.06	3859701.99	9.21E-01	4.86E-04	6.12E-01	9.88E-02	1.63E+00	1.22E+00	4.66E+01	6.12E+00	5.05E-01	5.44E+01	1.18E+00	5.89E-04	6.12E-01	9.88E-02	1.89E+00
2151	495161.06	3859701.99	9.20E-01	4.86E-04	6.16E-01	9.95E-02	1.64E+00	1.22E+00	4.66E+01	6.16E+00	5.08E-01	5.45E+01	1.18E+00	5.89E-04	6.16E-01	9.95E-02	1.90E+00
2152	495211.06	3859701.99	9.19E-01	4.86E-04	6.20E-01	1.00E-01	1.64E+00	1.21E+00	4.66E+01	6.20E+00	5.12E-01	5.46E+01	1.18E+00	5.89E-04	6.20E-01	1.00E-01	1.90E+00
2153	495261.06	3859701.99	9.18E-01	4.87E-04	5.90E-01	9.94E-02	1.61E+00	1.21E+00	4.67E+01	5.90E+00	5.08E-01	5.43E+01	1.18E+00	5.90E-04	5.90E-01	9.94E-02	1.87E+00
2154	495311.06	3859701.99	9.15E-01	4.87E-04	6.09E-01	9.99E-02	1.62E+00	1.21E+00	4.67E+01	6.09E+00	5.10E-01	5.45E+01	1.17E+00	5.90E-04	6.09E-01	9.99E-02	1.88E+00
2155	495361.06	3859701.99	9.11E-01	3.67E-04	6.30E-01	1.00E-01	1.64E+00	1.20E+00	3.52E+01	6.30E+00	5.11E-01	4.32E+01	1.17E+00	4.44E-04	6.30E-01	1.00E-01	1.90E+00
2156	495411.06	3859701.99	9.05E-01	3.57E-04	6.64E-01	1.01E-01	1.67E+00	1.20E+00	3.42E+01	6.64E+00	5.14E-01	4.26E+01	1.16E+00	4.33E-04	6.64E-01	1.01E-01	1.93E+00
2157	495461.06	3859701.99	8.98E-01	3.51E-04	6.87E-01	1.01E-01	1.69E+00	1.19E+00	3.37E+01	6.87E+00	5.15E-01	4.22E+01	1.15E+00	4.25E-04	6.87E-01	1.01E-01	1.94E+00
2158	495511.06	3859701.99	8.87E-01	3.33E-04	7.40E-01	1.01E-01	1.73E+00	1.17E+00	3.20E+01	7.40E+00	5.15E-01	4.11E+01	1.14E+00	4.04E-04	7.40E-01	1.01E-01	1.98E+00
2159	495561.06	3859701.99	8.84E-01	3.41E-04	7.25E-01	1.01E-01	1.71E+00	1.17E+00	3.27E+01	7.25E+00	5.13E-01	4.16E+01	1.13E+00	4.13E-04	7.25E-01	1.01E-01	1.96E+00
2160	495611.06	3859701.99	8.75E-01	3.36E-04	7.42E-01	1.00E-01	1.72E+00	1.16E+00	3.22E+01	7.42E+00	5.12E-01	4.13E+01	1.12E+00	4.07E-04	7.42E-01	1.00E-01	1.96E+00
2161	495661.06	3859701.99	8.65E-01	3.30E-04	7.62E-01	9.99E-02	1.73E+00	1.14E+00	3.17E+01	7.62E+00	5.10E-01	4.09E+01	1.11E+00	4.00E-04	7.62E-01	9.99E-02	1.97E+00
2162	494311.06	3859751.99	9.96E-01	4.90E-04	5.11E-01	7.93E-02	1.59E+00	1.32E+00	4.70E+01	5.11E+00	4.05E-01	5.38E+01	1.28E+00	5.93E-04	5.11E-01	7.93E-02	1.87E+00
2163	494361.06	3859751.99	9.87E-01	4.90E-04	5.12E-01	8.11E-02	1.58E+00	1.30E+00	4.70E+01	5.12E+00	4.14E-01	5.39E+01	1.27E+00	5.94E-04	5.12E-01	8.11E-02	1.86E+00
2164	494411.06	3859751.99	9.77E-01	4.91E-04	5.17E-01	8.41E-02	1.58E+00	1.29E+00	4.70E+01	5.17E+00	4.30E-01	5.39E+01	1.25E+00	5.94E-04	5.17E-01	8.41E-02	1.85E+00
2165	494461.06	3859751.99	9.67E-01	4.91E-04	4.90E-01	7.99E-02	1.54E+00	1.28E+00	4.71E+01	4.90E+00	4.08E-01	5.37E+01	1.24E+00	5.95E-04	4.90E-01	7.99E-02	1.81E+00
2166	494511.06	3859751.99	9.62E-01	4.92E-04	4.72E-01	7.80E-02	1.51E+00	1.27E+00	4.72E+01	4.72E+00	3.98E-01	5.36E+01	1.23E+00	5.96E-04	4.72E-01	7.80E-02	1.78E+00
2167	494561.06	3859751.99	9.60E-01	4.92E-04	4.68E-01	7.96E-02	1.51E+00	1.27E+00	4.72E+01	4.68E+00	4.07E-01	5.36E+01	1.23E+00	5.97E-04	4.68E-01	7.96E-02	1.78E+00
2168	494611.06	3859751.99	9.57E-01	4.93E-04	4.69E-01	8.29E-02	1.51E+00	1.26E+00	4.72E+01	4.69E+00	4.23E-01	5.36E+01	1.23E+00	5.97E-04	4.69E-01	8.29E-02	1.78E+00
2169	494661.06	3859751.99	9.54E-01	4.92E-04	5.15E-01	8.96E-02	1.56E+00	1.26E+00	4.72E+01	5.15E+00	4.57E-01	5.41E+01	1.22E+00	5.97E-04	5.15E-01	8.96E-02	1.83E+00
2170	494711.06	3859751.99	9.46E-01	4.93E-04	5.00E-01	8.79E-02	1.53E+00	1.25E+00	4.73E+01	5.00E+00	4.49E-01	5.40E+01	1.21E+00	5.97E-04	5.00E-01	8.79E-02	1.80E+00
2171	494761.06	3859751.99	9.38E-01	4.93E-04	4.98E-01	8.81E-02	1.53E+00	1.24E+00	4.73E+01	4.98E+00	4.50E-01	5.40E+01	1.20E+00	5.98E-04	4.98E-01	8.81E-02	1.79E+00
2172	494811.06	3859751.99	9.40E-01	4.93E-04	5.22E-01	9.05E-02	1.55E+00	1.24E+00	4.73E+01	5.22E+00	4.62E-01	5.42E+01	1.20E+00	5.98E-04	5.22E-01	9.05E-02	1.82E+00
2173	494861.06	3859751.99	9.40E-01	4.93E-04	5.26E-01	9.12E-02	1.56E+00	1.24E+00	4.73E+01	5.26E+00	4.66E-01	5.43E+01	1.20E+00	5.98E-04	5.26E-01	9.12E-02	1.82E+00
2174	494911.06	3859751.99	9.38E-01	4.94E-04	5.32E-01	9.21E-02	1.56E+00	1.24E+00	4.73E+01	5.32E+00	4.70E-01	5.44E+01	1.20E+00	5.98E-04	5.32E-01	9.21E-02	1.83E+00
2175	494961.06	3859751.99	9.35E-01	4.94E-04	5.37E-01	9.29E-02	1.57E+00	1.24E+00	4.74E+01	5.37E+00	4.75E-01	5.44E+01	1.20E+00	5.98E-04	5.37E-01	9.29E-02	1.83E+00
2176	495011.06	3859751.99	9.31E-01	4.94E-04	5.45E-01	9.41E-02	1.57E+00	1.23E+00	4.74E+01	5.45E+00	4.81E-01	5.45E+01	1.19E+00	5.98E-04	5.45E-01	9.41E-02	1.83E+00
2177	495061.06	3859751.99	9.26E-01	4.94E-04	5.37E-01	9.41E-02	1.56E+00	1.22E+00	4.74E+01	5.37E+00	4.81E-01	5.44E+01	1.19E+00	5.98E-04	5.37E-01	9.41E-02	1.82E+00
2178	495111.06	3859751.99	9.20E-01	4.94E-04	5.44E-01	9.52E-02	1.56E+00	1.22E+00	4.74E+01	5.44E+00	4.86E-01	5.45E+01	1.18E+00	5.98E-04	5.44E-01	9.52E-02	1.82E+00
2179	495161.06	3859751.99	9.13E-01	4.94E-04	5.55E-01	9.66E-02	1.56E+00	1.21E+00	4.74E+01	5.55E+00	4.93E-01	5.46E+01	1.17E+00	5.98E-04	5.55E-01	9.66E-02	1.82E+00
2180	495211.06	3859751.99	9.09E-01	4.94E-04	5.67E-01	9.80E-02	1.57E+00	1.20E+00	4.73E+01	5.67E+00	5.01E-01	5.47E+01	1.17E+00	5.98E-04	5.67E-01	9.80E-02	1.83E+00
2181	495261.06	3859751.99	9.10E-01	4.94E-04	5.59E-01	9.81E-02	1.57E+00	1.20E+00	4.73E+01	5.59E+00	5.01E-01	5.46E+01	1.17E+00	5.98E-04	5.59E-01	9.81E-02	1.82E+00
2182	495311.06	3859751.99	9.11E-01	4.93E-04	5.64E-01	9.91E-02	1.57E+00	1.20E+00	4.73E+01	5.64E+00	5.06E-01	5.47E+01	1.17E+00	5.98E-04	5.64E-01	9.91E-02	1.83E+00
2183	495361.06	3859751.99	9.10E-01	4.93E-04	5.63E-01	9.97E-02	1.57E+00	1.20E+00	4.73E+01	5.63E+00	5.09E-01	5.47E+01	1.17E+00	5.98E-04	5.63E-01	9.97E-02	1.83E+00
2184	495411.06	3859751.99	9.08E-01	4.93E-04	5.61E-01	1.00E-01	1.57E+00	1.20E+00	4.73E+01	5.61E+00	5.12E-01	5.46E+01	1.16E+00	5.97E-04	5.61E-01	1.00E-01	1.83E+00
2185	495461.06	3859751.99	9.05E-01	4.93E-04	5.76E-01	1.02E-01	1.58E+00	1.20E+00	4.73E+01	5.76E+00	5.19E-01	5.47E+01	1.16E+00	5.97E-04	5.76E-01	1.02E-01	1.84E+00
2186	495511.06	3859751.99	9.00E-01	4.92E-04	6.04E-01	1.03E-01	1.61E+00	1.19E+00	4.72E+01	6.04E+00	5.24E-01	5.50E+01	1.15E+00	5.97E-04	6.04E-01	1.03E-01	1.86E+00
2187	495561.06	3859751.99	8.95E-01	3.59E-04	6.24E-01	1.03E-01	1.62E+00	1.18E+00	3.45E+01	6.24E+00	5.25E-01	4.24E+01	1.15E+00	4.35E-04	6.24E-01	1.03E-01	1.87E+00
2188	495611.06	3859751.99	8.89E-01	3.55E-04	6.43E-01	1.03E-01	1.63E+00	1.17E+00	3.41E+01	6.43E+00	5.25E-01	4.22E+01	1.14E+00	4.30E-04	6.43E-01	1.03E-01	1.89E+00
2189	495661.06	3859751.99	8.83E-01	3.54E-04	6.52E-01	1.03E-01	1.64E+00	1.17E+00	3.40E+01	6.52E+00	5.24E-01	4.22E+01	1.13E+00	4.29E-04	6.52E-01	1.03E-01	1.89E+00
2190	494311.06	3859801.99	1.02E+00	5.02E-04	4.73E-01	7.13E-02	1.56E+00	1.34E+00	4.81E+01	4.73E+00	3.64E-01	5.46E+01	1.30E+00	6.08E-04	4.73E-01	7.13E-02	1.85E+00
2191	494361.06	3859801.99	1.00E+00	5.02E-04	4.90E-01	7.58E-02	1.57E+00	1.32E+00	4.81E+01	4.90E+00	3.87E-01	5.47E+01	1.28E+00	6.08E-04	4.90E-01	7.58E-02	1.85E+00
2192	494411.06	3859801.99	9.87E-01	5.02E-04	5.07E-01	8.07E-02	1.57E+00	1.30E+00	4.81E+01	5.07E+00	4.12E-01	5.49E+01	1.26E+00	6.08E-04	5.07E-01	8.07E-02	1.85E+00

2193	494461.06	3859801.99	9.71E-01	5.02E-04	4.86E-01	7.68E-02	1.53E+00	1.28E+00	4.82E+01	4.86E+00	3.92E-01	5.47E+01	1.24E+00	6.08E-04	4.86E-01	7.68E-02	1.81E+00
2194	494511.06	3859801.99	9.51E-01	5.03E-04	4.62E-01	7.19E-02	1.49E+00	1.26E+00	4.82E+01	4.62E+00	3.67E-01	5.45E+01	1.22E+00	6.09E-04	4.62E-01	7.19E-02	1.75E+00
2195	494561.06	3859801.99	9.45E-01	5.03E-04	4.61E-01	7.33E-02	1.48E+00	1.25E+00	4.82E+01	4.61E+00	3.74E-01	5.44E+01	1.21E+00	6.09E-04	4.61E-01	7.33E-02	1.75E+00
2196	494611.06	3859801.99	9.51E-01	5.02E-04	4.81E-01	8.04E-02	1.51E+00	1.26E+00	4.82E+01	4.81E+00	4.11E-01	5.46E+01	1.22E+00	6.08E-04	4.81E-01	8.04E-02	1.78E+00
2197	494661.06	3859801.99	9.50E-01	5.02E-04	4.81E-01	8.26E-02	1.51E+00	1.25E+00	4.81E+01	4.81E+00	4.22E-01	5.46E+01	1.22E+00	6.08E-04	4.81E-01	8.26E-02	1.78E+00
2198	494711.06	3859801.99	9.49E-01	5.02E-04	4.85E-01	8.63E-02	1.52E+00	1.25E+00	4.81E+01	4.85E+00	4.41E-01	5.47E+01	1.22E+00	6.08E-04	4.85E-01	8.63E-02	1.79E+00
2199	494761.06	3859801.99	9.39E-01	5.02E-04	4.58E-01	8.22E-02	1.48E+00	1.24E+00	4.81E+01	4.58E+00	4.20E-01	5.44E+01	1.20E+00	6.08E-04	4.58E-01	8.22E-02	1.75E+00
2200	494811.06	3859801.99	9.34E-01	5.02E-04	4.55E-01	8.44E-02	1.47E+00	1.23E+00	4.81E+01	4.55E+00	4.31E-01	5.43E+01	1.20E+00	6.08E-04	4.55E-01	8.44E-02	1.74E+00
2201	494861.06	3859801.99	9.26E-01	5.02E-04	4.43E-01	8.47E-02	1.45E+00	1.22E+00	4.81E+01	4.43E+00	4.33E-01	5.42E+01	1.19E+00	6.08E-04	4.43E-01	8.47E-02	1.72E+00
2202	494911.06	3859801.99	9.26E-01	5.01E-04	4.61E-01	8.75E-02	1.48E+00	1.22E+00	4.81E+01	4.61E+00	4.47E-01	5.44E+01	1.19E+00	6.07E-04	4.61E-01	8.75E-02	1.74E+00
2203	494961.06	3859801.99	9.27E-01	5.01E-04	4.69E-01	8.85E-02	1.48E+00	1.22E+00	4.81E+01	4.69E+00	4.52E-01	5.44E+01	1.19E+00	6.07E-04	4.69E-01	8.85E-02	1.75E+00
2204	495011.06	3859801.99	9.27E-01	5.01E-04	4.79E-01	8.98E-02	1.50E+00	1.22E+00	4.80E+01	4.79E+00	4.59E-01	5.45E+01	1.19E+00	6.07E-04	4.79E-01	8.98E-02	1.76E+00
2205	495061.06	3859801.99	9.25E-01	5.00E-04	4.79E-01	9.02E-02	1.49E+00	1.22E+00	4.80E+01	4.79E+00	4.61E-01	5.45E+01	1.19E+00	6.06E-04	4.79E-01	9.02E-02	1.76E+00
2206	495111.06	3859801.99	9.23E-01	5.00E-04	4.97E-01	9.23E-02	1.51E+00	1.22E+00	4.79E+01	4.97E+00	4.71E-01	5.46E+01	1.18E+00	6.06E-04	4.97E-01	9.23E-02	1.77E+00
2207	495161.06	3859801.99	9.19E-01	4.99E-04	5.11E-01	9.40E-02	1.52E+00	1.21E+00	4.79E+01	5.11E+00	4.80E-01	5.47E+01	1.18E+00	6.05E-04	5.11E-01	9.40E-02	1.78E+00
2208	495211.06	3859801.99	9.14E-01	4.99E-04	5.09E-01	9.44E-02	1.52E+00	1.21E+00	4.79E+01	5.09E+00	4.82E-01	5.46E+01	1.17E+00	6.05E-04	5.09E-01	9.44E-02	1.78E+00
2209	495261.06	3859801.99	9.08E-01	4.99E-04	5.24E-01	9.62E-02	1.53E+00	1.20E+00	4.78E+01	5.24E+00	4.91E-01	5.47E+01	1.16E+00	6.04E-04	5.24E-01	9.62E-02	1.78E+00
2210	495311.06	3859801.99	9.01E-01	4.98E-04	5.18E-01	9.63E-02	1.52E+00	1.19E+00	4.78E+01	5.18E+00	4.92E-01	5.46E+01	1.16E+00	6.03E-04	5.18E-01	9.63E-02	1.77E+00
2211	495361.06	3859801.99	8.97E-01	4.98E-04	5.26E-01	9.76E-02	1.52E+00	1.19E+00	4.77E+01	5.26E+00	4.98E-01	5.47E+01	1.15E+00	6.03E-04	5.26E-01	9.76E-02	1.77E+00
2212	495411.06	3859801.99	8.99E-01	4.97E-04	5.41E-01	9.94E-02	1.54E+00	1.19E+00	4.77E+01	5.41E+00	5.08E-01	5.48E+01	1.15E+00	6.02E-04	5.41E-01	9.94E-02	1.79E+00
2213	495461.06	3859801.99	8.99E-01	4.96E-04	5.45E-01	1.00E-01	1.54E+00	1.19E+00	4.76E+01	5.45E+00	5.12E-01	5.47E+01	1.15E+00	6.01E-04	5.45E-01	1.00E-01	1.80E+00
2214	495511.06	3859801.99	8.99E-01	4.95E-04	5.68E-01	1.02E-01	1.57E+00	1.19E+00	4.75E+01	5.68E+00	5.23E-01	5.49E+01	1.15E+00	6.00E-04	5.68E-01	1.02E-01	1.82E+00
2215	495561.06	3859801.99	8.97E-01	4.95E-04	5.63E-01	1.03E-01	1.56E+00	1.18E+00	4.75E+01	5.63E+00	5.24E-01	5.48E+01	1.15E+00	6.00E-04	5.63E-01	1.03E-01	1.82E+00
2216	495611.06	3859801.99	8.95E-01	4.94E-04	5.40E-01	1.02E-01	1.54E+00	1.18E+00	4.74E+01	5.40E+00	5.20E-01	5.45E+01	1.15E+00	5.99E-04	5.40E-01	1.02E-01	1.79E+00
2217	495661.06	3859801.99	8.91E-01	4.94E-04	5.54E-01	1.03E-01	1.55E+00	1.18E+00	4.73E+01	5.54E+00	5.28E-01	5.46E+01	1.14E+00	5.98E-04	5.54E-01	1.03E-01	1.80E+00
2218	494311.06	3859851.99	1.03E+00	5.12E-04	4.36E-01	6.62E-02	1.53E+00	1.36E+00	4.91E+01	4.36E+00	3.38E-01	5.52E+01	1.32E+00	6.20E-04	4.36E-01	6.62E-02	1.82E+00
2219	494361.06	3859851.99	1.02E+00	5.12E-04	4.49E-01	6.90E-02	1.54E+00	1.34E+00	4.91E+01	4.49E+00	3.53E-01	5.53E+01	1.30E+00	6.20E-04	4.49E-01	6.90E-02	1.82E+00
2220	494411.06	3859851.99	1.01E+00	5.11E-04	4.65E-01	7.30E-02	1.54E+00	1.33E+00	4.90E+01	4.65E+00	3.73E-01	5.54E+01	1.29E+00	6.19E-04	4.65E-01	7.30E-02	1.83E+00
2221	494461.06	3859851.99	9.88E-01	5.11E-04	4.72E-01	7.47E-02	1.54E+00	1.31E+00	4.90E+01	4.72E+00	3.82E-01	5.54E+01	1.27E+00	6.19E-04	4.72E-01	7.47E-02	1.81E+00
2222	494511.06	3859851.99	9.61E-01	5.11E-04	4.61E-01	7.20E-02	1.49E+00	1.27E+00	4.90E+01	4.61E+00	3.68E-01	5.52E+01	1.23E+00	6.19E-04	4.61E-01	7.20E-02	1.77E+00
2223	494561.06	3859851.99	9.44E-01	5.11E-04	4.45E-01	6.81E-02	1.46E+00	1.25E+00	4.90E+01	4.45E+00	3.48E-01	5.50E+01	1.21E+00	6.19E-04	4.45E-01	6.81E-02	1.72E+00
2224	494611.06	3859851.99	9.47E-01	5.10E-04	4.72E-01	7.64E-02	1.50E+00	1.25E+00	4.89E+01	4.72E+00	3.90E-01	5.52E+01	1.21E+00	6.17E-04	4.72E-01	7.64E-02	1.76E+00
2225	494661.06	3859851.99	9.32E-01	5.09E-04	4.62E-01	7.48E-02	1.47E+00	1.23E+00	4.88E+01	4.62E+00	3.82E-01	5.51E+01	1.19E+00	6.17E-04	4.62E-01	7.48E-02	1.73E+00
2226	494711.06	3859851.99	9.37E-01	5.08E-04	4.75E-01	7.98E-02	1.49E+00	1.24E+00	4.88E+01	4.75E+00	4.08E-01	5.52E+01	1.20E+00	6.16E-04	4.75E-01	7.98E-02	1.76E+00
2227	494761.06	3859851.99	9.30E-01	5.08E-04	4.55E-01	7.62E-02	1.46E+00	1.23E+00	4.87E+01	4.55E+00	3.89E-01	5.49E+01	1.19E+00	6.16E-04	4.55E-01	7.62E-02	1.72E+00
2228	494811.06	3859851.99	9.28E-01	5.08E-04	4.54E-01	7.80E-02	1.46E+00	1.23E+00	4.87E+01	4.54E+00	3.98E-01	5.48E+01	1.19E+00	6.15E-04	4.54E-01	7.80E-02	1.72E+00
2229	494861.06	3859851.99	9.23E-01	5.07E-04	4.44E-01	7.75E-02	1.44E+00	1.22E+00	4.86E+01	4.44E+00	3.96E-01	5.47E+01	1.18E+00	6.14E-04	4.44E-01	7.75E-02	1.70E+00
2230	494911.06	3859851.99	9.19E-01	5.06E-04	4.45E-01	8.04E-02	1.44E+00	1.21E+00	4.86E+01	4.45E+00	4.10E-01	5.46E+01	1.18E+00	6.13E-04	4.45E-01	8.04E-02	1.70E+00
2231	494961.06	3859851.99	9.13E-01	5.06E-04	4.38E-01	8.16E-02	1.43E+00	1.21E+00	4.85E+01	4.38E+00	4.17E-01	5.45E+01	1.17E+00	6.12E-04	4.38E-01	8.16E-02	1.69E+00
2232	495011.06	3859851.99	9.09E-01	5.05E-04	4.32E-01	8.29E-02	1.42E+00	1.20E+00	4.84E+01	4.32E+00	4.24E-01	5.44E+01	1.17E+00	6.12E-04	4.32E-01	8.29E-02	1.68E+00
2233	495061.06	3859851.99	9.11E-01	5.04E-04	4.22E-01	8.33E-02	1.42E+00	1.20E+00	4.83E+01	4.22E+00	4.25E-01	5.42E+01	1.17E+00	6.11E-04	4.22E-01	8.33E-02	1.67E+00
2234	495111.06	3859851.99	9.13E-01	5.03E-04	4.22E-01	8.63E-02	1.42E+00	1.21E+00	4.83E+01	4.22E+00	4.41E-01	5.41E+01	1.17E+00	6.10E-04	4.22E-01	8.63E-02	1.68E+00
2235	495161.06	3859851.99	9.13E-01	5.02E-04	4.34E-01	8.80E-02	1.44E+00	1.21E+00	4.82E+01	4.34E+00	4.50E-01	5.42E+01	1.17E+00	6.08E-04	4.34E-01	8.80E-02	1.69E+00
2236	495211.06	3859851.99	9.12E-01	5.01E-04	4.43E-01	8.93E-02	1.45E+00	1.20E+00	4.81E+01	4.43E+00	4.56E-01	5.42E+01	1.17E+00	6.07E-04	4.43E-01	8.93E-02	1.70E+00
2237	495261.06	3859851.99	9.10E-01	5.00E-04	4.56E-01	9.10E-02	1.46E+00	1.20E+00	4.80E+01	4.56E+00	4.65E-01	5.42E+01	1.17E+00	6.06E-04	4.56E-01	9.10E-02	1.71E+00
2238	495311.06	3859851.99	9.06E-01	5.00E-04	4.57E-01	9.16E-02	1.45E+00	1.20E+00	4.79E+01	4.57E+00	4.68E-01	5.41E+01	1.16E+00	6.05E-04	4.57E-01	9.16E-02	1.71E+00
2239	495361.06	3859851.99	9.01E-01	4.99E-04	4.63E-01	9.27E-02	1.46E+00	1.19E+00	4.78E+01	4.63E+00	4.74E-01	5.41E+01	1.15E+00	6.04E-04	4.63E-01	9.27E-02	1.71E+00
2240	495411.06	3859851.99	8.95E-01	4.98E-04	4.80E-01	9.50E-02	1.47E+00	1.18E+00	4.77E+01	4.80E+00	4.85E-01	5.42E+01	1.15E+00	6.03E-04	4.80E-01	9.50E-02	1.72E+00
2241	495461.06	3859851.99	8.88E-01	4.96E-04	4.96E-01	9.70E-02	1.48E+00	1.17E+00	4.76E+01	4.96E+00	4.95E-01	5.42E+01	1.14E+00	6.01E-04	4.96E-01	9.70E-02	1.73E+00
2242	495511.06	3859851.99	8.86E-01	4.95E-04	5.17E-01	9.94E-02	1.50E+00	1.17E+00	4.75E+01	5.17E+00	5.08E-01	5.43E+01	1.14E+00	6.00E-04	5.17E-01	9.94E-02	1.75E+00
2243	495561.06	3859851.99	8.87E-01	4.94E-04	5.09E-01	9.94E-02	1.50E+00	1.17E+00	4.74E+01	5.09E+00	5.08E-01	5.42E+01	1.14E+00	5.99E-04	5.09E-01	9.94E-02	1.75E+00
2244	495611.06	3859851.99	8.88E-01	4.93E-04	5.05E-01	9.97E-02	1.49E+00	1.17E+00	4.73E+01	5.05E+00	5.09E-01	5.40E+01	1.14E+00	5.98E-04	5.05E-01	9.97E-02	1.74E+00
2245	495661.06	3859851.99	8.87E-01	4.92E-04	5.22E-01	1.02E-01	1.51E+00	1.17E+00	4.72E+01	5.22E+00	5.19E-01	5.41E+01	1.14E+00	5.96E-04	5.22E-01	1.02E-01	1.76E+00
2246	494311.06	3859901.99	1.03E+00	5.19E-04	3.91E-01	6.17E-02	1.48E+00	1.36E+00	4.97E+01	3.91E+00	3.15E-01	5.53E+01	1.32E+00	6.28E-04	3.91E-01	6.17E-02	1.77E+00
2247	494361.06	3859901.99	1.03E+00	5.17E-04	4.19E-01	6.82E-02	1.52E+00	1.37E+00	4.96E+01	4.19E+00	3.48E-01	5.55E+01	1.33E+00	6.27E-04	4.19E-01	6.82E-02	1.81E+00
2248	494411.06	3859901.99	1.01E+00	5.17E-04	4.20E-01	6.67E-02	1.50E+00	1.34E+00	4.96E+01	4.20E+00	3.41E-01	5.54E+01	1.30E+00	6.26E-04	4.20E-01	6.67E-02	1.79E+00
2249	494461.06	3859901.99	1.00E+00	5.16E-04	4.29E-01	6.82E-02	1.50E+00	1.32E+00	4.95E+01	4.29E+00	3.48E-01	5.54E+01	1.28E+00	6.25E-04	4.29E-01	6.82E-02	1.78E+00
2250	494511.06	3859901.99	9.80E-01	5.15E-04	4.30E-01	6.73E-02	1.48E+00	1.29E+00	4.94E+01	4.30E+00	3.44E-01	5.53E+01	1.26E+00	6.24E-04	4.30E-01	6.73E-02	1.75E+00
2251	494561.06	3859901.99	9.44E-01	5.19E-04	4.13E-01	6.14E-02	1.42E+00	1.25E+00	4.97E+01	4.13E+00	3.13E-01	5.54E+01	1.21E+00	6.28E-04	4.13E-01	6.14E-02	1.68E+00
2252	494611.06	3859901.99	9.46E-01	5.13E-04	4.44E-01	7.05E-02	1.46E+00	1.25E+00	4.92E+01	4.44E+00	3.60E-01	5.53E+01	1.21E+00	6.22E-04	4.44E-01	7.05E-02	1.73E+00
2253	494661.06	3859901.99	9.26E-01	5.12E-04	4.29E-01	6.59E-02	1.42E+00	1.22E+00	4.91E+01	4.29E+00	3.37E-01	5.50E+01	1.19E+00	6.21E-04	4.29E-01	6.59E-02	1.68E+00

2254	494711.06	3859901.99	9.33E-01	5.11E-04	4.57E-01	7.48E-02	1.47E+00	1.23E+00	4.90E+01	4.57E+00	3.82E-01	5.52E+01	1.20E+00	6.19E-04	4.57E-01	7.48E-02	1.73E+00
2255	494761.06	3859901.99	9.17E-01	5.10E-04	4.47E-01	7.23E-02	1.44E+00	1.21E+00	4.89E+01	4.47E+00	3.69E-01	5.50E+01	1.18E+00	6.18E-04	4.47E-01	7.23E-02	1.70E+00
2256	494811.06	3859901.99	9.06E-01	5.09E-04	4.35E-01	6.96E-02	1.41E+00	1.20E+00	4.88E+01	4.35E+00	3.56E-01	5.47E+01	1.16E+00	6.17E-04	4.35E-01	6.96E-02	1.67E+00
2257	494861.06	3859901.99	9.04E-01	5.08E-04	4.30E-01	6.94E-02	1.40E+00	1.19E+00	4.87E+01	4.30E+00	3.55E-01	5.46E+01	1.16E+00	6.16E-04	4.30E-01	6.94E-02	1.66E+00
2258	494911.06	3859901.99	9.07E-01	5.07E-04	4.35E-01	7.26E-02	1.42E+00	1.20E+00	4.86E+01	4.35E+00	3.71E-01	5.45E+01	1.16E+00	6.14E-04	4.35E-01	7.26E-02	1.67E+00
2259	494961.06	3859901.99	9.03E-01	5.06E-04	4.30E-01	7.29E-02	1.41E+00	1.19E+00	4.85E+01	4.30E+00	3.72E-01	5.44E+01	1.16E+00	6.13E-04	4.30E-01	7.29E-02	1.66E+00
2260	495011.06	3859901.99	9.02E-01	5.04E-04	4.30E-01	7.54E-02	1.41E+00	1.19E+00	4.84E+01	4.30E+00	3.85E-01	5.43E+01	1.16E+00	6.11E-04	4.30E-01	7.54E-02	1.66E+00
2261	495061.06	3859901.99	8.97E-01	5.03E-04	4.27E-01	7.70E-02	1.40E+00	1.19E+00	4.83E+01	4.27E+00	3.93E-01	5.41E+01	1.15E+00	6.10E-04	4.27E-01	7.70E-02	1.66E+00
2262	495111.06	3859901.99	8.94E-01	5.02E-04	4.29E-01	8.04E-02	1.40E+00	1.18E+00	4.81E+01	4.29E+00	4.11E-01	5.40E+01	1.15E+00	6.08E-04	4.29E-01	8.04E-02	1.66E+00
2263	495161.06	3859901.99	8.97E-01	5.00E-04	4.28E-01	8.32E-02	1.41E+00	1.18E+00	4.80E+01	4.28E+00	4.25E-01	5.39E+01	1.15E+00	6.06E-04	4.28E-01	8.32E-02	1.66E+00
2264	495211.06	3859901.99	8.97E-01	4.99E-04	4.17E-01	8.30E-02	1.40E+00	1.19E+00	4.79E+01	4.17E+00	4.24E-01	5.36E+01	1.15E+00	6.05E-04	4.17E-01	8.30E-02	1.65E+00
2265	495261.06	3859901.99	9.01E-01	4.98E-04	4.17E-01	8.69E-02	1.40E+00	1.19E+00	4.77E+01	4.17E+00	4.44E-01	5.35E+01	1.15E+00	6.03E-04	4.17E-01	8.69E-02	1.66E+00
2266	495311.06	3859901.99	8.99E-01	4.96E-04	4.05E-01	8.67E-02	1.39E+00	1.19E+00	4.76E+01	4.05E+00	4.43E-01	5.33E+01	1.15E+00	6.01E-04	4.05E-01	8.67E-02	1.64E+00
2267	495361.06	3859901.99	8.98E-01	4.95E-04	4.14E-01	8.87E-02	1.40E+00	1.19E+00	4.75E+01	4.14E+00	4.53E-01	5.32E+01	1.15E+00	6.00E-04	4.14E-01	8.87E-02	1.65E+00
2268	495411.06	3859901.99	8.97E-01	4.93E-04	4.35E-01	9.15E-02	1.42E+00	1.18E+00	4.73E+01	4.35E+00	4.67E-01	5.33E+01	1.15E+00	5.98E-04	4.35E-01	9.15E-02	1.68E+00
2269	495461.06	3859901.99	8.93E-01	4.92E-04	4.49E-01	9.35E-02	1.44E+00	1.18E+00	4.72E+01	4.49E+00	4.78E-01	5.33E+01	1.15E+00	5.96E-04	4.49E-01	9.35E-02	1.69E+00
2270	495511.06	3859901.99	8.88E-01	4.91E-04	4.48E-01	9.38E-02	1.43E+00	1.17E+00	4.70E+01	4.48E+00	4.79E-01	5.32E+01	1.14E+00	5.94E-04	4.48E-01	9.38E-02	1.68E+00
2271	495561.06	3859901.99	8.81E-01	4.89E-04	4.47E-01	9.41E-02	1.42E+00	1.16E+00	4.69E+01	4.47E+00	4.81E-01	5.30E+01	1.13E+00	5.93E-04	4.47E-01	9.41E-02	1.67E+00
2272	495611.06	3859901.99	8.75E-01	4.88E-04	4.64E-01	9.64E-02	1.44E+00	1.16E+00	4.68E+01	4.64E+00	4.93E-01	5.30E+01	1.12E+00	5.91E-04	4.64E-01	9.64E-02	1.68E+00
2273	495661.06	3859901.99	8.74E-01	4.86E-04	4.83E-01	9.89E-02	1.46E+00	1.15E+00	4.66E+01	4.83E+00	5.05E-01	5.31E+01	1.12E+00	5.89E-04	4.83E-01	9.89E-02	1.70E+00
2274	494311.06	3859951.99	9.65E-01	5.38E-04	3.37E-01	5.62E-02	1.36E+00	1.27E+00	5.16E+01	3.37E+00	2.87E-01	5.65E+01	1.24E+00	6.52E-04	3.37E-01	5.62E-02	1.63E+00
2275	494361.06	3859951.99	9.55E-01	5.27E-04	3.55E-01	5.85E-02	1.37E+00	1.26E+00	5.05E+01	3.55E+00	2.99E-01	5.56E+01	1.22E+00	6.38E-04	3.55E-01	5.85E-02	1.64E+00
2276	494411.06	3859951.99	1.01E+00	5.18E-04	3.70E-01	6.08E-02	1.44E+00	1.33E+00	4.97E+01	3.70E+00	3.10E-01	5.51E+01	1.29E+00	6.28E-04	3.70E-01	6.08E-02	1.72E+00
2277	494461.06	3859951.99	9.98E-01	5.15E-04	3.81E-01	6.20E-02	1.44E+00	1.32E+00	4.94E+01	3.81E+00	3.17E-01	5.49E+01	1.28E+00	6.24E-04	3.81E-01	6.20E-02	1.72E+00
2278	494511.06	3859951.99	9.80E-01	5.19E-04	3.85E-01	6.08E-02	1.43E+00	1.29E+00	4.97E+01	3.85E+00	3.11E-01	5.52E+01	1.26E+00	6.28E-04	3.85E-01	6.08E-02	1.70E+00
2279	494561.06	3859951.99	9.05E-01	5.46E-04	3.68E-01	5.44E-02	1.33E+00	1.20E+00	5.24E+01	3.68E+00	2.78E-01	5.75E+01	1.16E+00	6.62E-04	3.68E-01	5.44E-02	1.58E+00
2280	494611.06	3859951.99	9.47E-01	5.19E-04	3.95E-01	6.08E-02	1.40E+00	1.25E+00	4.98E+01	3.95E+00	3.11E-01	5.53E+01	1.21E+00	6.29E-04	3.95E-01	6.08E-02	1.67E+00
2281	494661.06	3859951.99	8.73E-01	5.33E-04	3.87E-01	5.70E-02	1.32E+00	1.15E+00	5.11E+01	3.87E+00	2.91E-01	5.64E+01	1.12E+00	6.46E-04	3.87E-01	5.70E-02	1.56E+00
2282	494711.06	3859951.99	9.18E-01	5.09E-04	4.10E-01	6.37E-02	1.39E+00	1.21E+00	4.88E+01	4.10E+00	3.25E-01	5.44E+01	1.18E+00	6.16E-04	4.10E-01	6.37E-02	1.65E+00
2283	494761.06	3859951.99	9.05E-01	5.11E-04	4.10E-01	6.29E-02	1.38E+00	1.19E+00	4.91E+01	4.10E+00	3.21E-01	5.47E+01	1.16E+00	6.20E-04	4.10E-01	6.29E-02	1.63E+00
2284	494811.06	3859951.99	8.96E-01	5.11E-04	4.11E-01	6.31E-02	1.37E+00	1.18E+00	4.90E+01	4.11E+00	3.22E-01	5.46E+01	1.15E+00	6.19E-04	4.11E-01	6.31E-02	1.62E+00
2285	494861.06	3859951.99	8.80E-01	5.17E-04	4.04E-01	6.10E-02	1.35E+00	1.16E+00	4.96E+01	4.04E+00	3.12E-01	5.51E+01	1.13E+00	6.27E-04	4.04E-01	6.10E-02	1.59E+00
2286	494911.06	3859951.99	8.79E-01	5.06E-04	4.13E-01	6.44E-02	1.36E+00	1.16E+00	4.85E+01	4.13E+00	3.29E-01	5.41E+01	1.13E+00	6.13E-04	4.13E-01	6.44E-02	1.61E+00
2287	494961.06	3859951.99	8.85E-01	5.00E-04	4.19E-01	6.72E-02	1.37E+00	1.17E+00	4.80E+01	4.19E+00	3.43E-01	5.37E+01	1.13E+00	6.06E-04	4.19E-01	6.72E-02	1.62E+00
2288	495011.06	3859951.99	8.87E-01	4.98E-04	4.22E-01	6.93E-02	1.38E+00	1.17E+00	4.78E+01	4.22E+00	3.54E-01	5.35E+01	1.14E+00	6.04E-04	4.22E-01	6.93E-02	1.63E+00
2289	495061.06	3859951.99	8.85E-01	4.97E-04	4.21E-01	7.02E-02	1.38E+00	1.17E+00	4.76E+01	4.21E+00	3.58E-01	5.34E+01	1.14E+00	6.02E-04	4.21E-01	7.02E-02	1.63E+00
2290	495111.06	3859951.99	8.87E-01	4.95E-04	4.25E-01	7.36E-02	1.39E+00	1.17E+00	4.74E+01	4.25E+00	3.76E-01	5.32E+01	1.14E+00	5.99E-04	4.25E-01	7.36E-02	1.64E+00
2291	495161.06	3859951.99	8.86E-01	4.93E-04	4.29E-01	7.68E-02	1.39E+00	1.17E+00	4.73E+01	4.29E+00	3.92E-01	5.31E+01	1.14E+00	5.97E-04	4.29E-01	7.68E-02	1.64E+00
2292	495211.06	3859951.99	8.83E-01	4.91E-04	4.30E-01	7.98E-02	1.39E+00	1.17E+00	4.71E+01	4.30E+00	4.08E-01	5.30E+01	1.13E+00	5.95E-04	4.30E-01	7.98E-02	1.64E+00
2293	495261.06	3859951.99	8.80E-01	4.89E-04	4.27E-01	8.14E-02	1.39E+00	1.16E+00	4.69E+01	4.27E+00	4.16E-01	5.28E+01	1.13E+00	5.93E-04	4.27E-01	8.14E-02	1.64E+00
2294	495311.06	3859951.99	8.81E-01	4.87E-04	4.16E-01	8.06E-02	1.38E+00	1.16E+00	4.68E+01	4.16E+00	4.12E-01	5.25E+01	1.13E+00	5.91E-04	4.16E-01	8.06E-02	1.63E+00
2295	495361.06	3859951.99	8.83E-01	4.86E-04	4.09E-01	8.16E-02	1.37E+00	1.17E+00	4.66E+01	4.09E+00	4.17E-01	5.23E+01	1.13E+00	5.88E-04	4.09E-01	8.16E-02	1.62E+00
2296	495411.06	3859951.99	8.85E-01	4.84E-04	4.07E-01	8.47E-02	1.38E+00	1.17E+00	4.64E+01	4.07E+00	4.32E-01	5.21E+01	1.14E+00	5.86E-04	4.07E-01	8.47E-02	1.63E+00
2297	495461.06	3859951.99	8.86E-01	4.82E-04	4.02E-01	8.69E-02	1.38E+00	1.17E+00	4.62E+01	4.02E+00	4.44E-01	5.19E+01	1.14E+00	5.84E-04	4.02E-01	8.69E-02	1.63E+00
2298	495511.06	3859951.99	8.85E-01	4.80E-04	3.97E-01	8.92E-02	1.37E+00	1.17E+00	4.60E+01	3.97E+00	4.56E-01	5.16E+01	1.13E+00	5.81E-04	3.97E-01	8.92E-02	1.62E+00
2299	495561.06	3859951.99	8.80E-01	4.78E-04	3.85E-01	8.79E-02	1.35E+00	1.16E+00	4.59E+01	3.85E+00	4.49E-01	5.13E+01	1.13E+00	5.79E-04	3.85E-01	8.79E-02	1.60E+00
2300	495611.06	3859951.99	8.78E-01	4.76E-04	4.03E-01	9.06E-02	1.37E+00	1.16E+00	4.57E+01	4.03E+00	4.63E-01	5.13E+01	1.13E+00	5.77E-04	4.03E-01	9.06E-02	1.62E+00
2301	495661.06	3859951.99	8.75E-01	4.74E-04	4.30E-01	9.42E-02	1.40E+00	1.16E+00	4.55E+01	4.30E+00	4.81E-01	5.14E+01	1.12E+00	5.75E-04	4.30E-01	9.42E-02	1.65E+00
2302	494311.06	3860001.99	9.66E-01	5.65E-04	3.14E-01	5.09E-02	1.33E+00	1.28E+00	5.42E+01	3.14E+00	2.60E-01	5.89E+01	1.24E+00	6.85E-04	3.14E-01	5.09E-02	1.60E+00
2303	494361.06	3860001.99	9.60E-01	5.57E-04	3.07E-01	5.19E-02	1.32E+00	1.27E+00	5.34E+01	3.07E+00	2.65E-01	5.80E+01	1.23E+00	6.75E-04	3.07E-01	5.19E-02	1.59E+00
2304	494411.06	3860001.99	9.53E-01	5.40E-04	3.19E-01	5.54E-02	1.33E+00	1.26E+00	5.18E+01	3.19E+00	2.83E-01	5.65E+01	1.22E+00	6.54E-04	3.19E-01	5.54E-02	1.60E+00
2305	494461.06	3860001.99	9.44E-01	5.37E-04	3.28E-01	5.49E-02	1.33E+00	1.25E+00	5.15E+01	3.28E+00	2.80E-01	5.63E+01	1.21E+00	6.50E-04	3.28E-01	5.49E-02	1.59E+00
2306	494511.06	3860001.99	9.34E-01	5.25E-04	3.43E-01	5.71E-02	1.33E+00	1.23E+00	5.04E+01	3.43E+00	2.92E-01	5.53E+01	1.20E+00	6.37E-04	3.43E-01	5.71E-02	1.60E+00
2307	494561.06	3860001.99	9.22E-01	5.59E-04	3.24E-01	4.86E-02	1.30E+00	1.22E+00	5.36E+01	3.24E+00	2.48E-01	5.84E+01	1.18E+00	6.78E-04	3.24E-01	4.86E-02	1.56E+00
2308	494611.06	3860001.99	9.10E-01	5.48E-04	3.39E-01	5.11E-02	1.30E+00	1.20E+00	5.26E+01	3.39E+00	2.61E-01	5.74E+01	1.17E+00	6.64E-04	3.39E-01	5.11E-02	1.56E+00
2309	494661.06	3860001.99	8.96E-01	5.50E-04	3.45E-01	5.09E-02	1.29E+00	1.18E+00	5.27E+01	3.45E+00	2.60E-01	5.76E+01	1.15E+00	6.66E-04	3.45E-01	5.09E-02	1.55E+00
2310	494711.06	3860001.99	9.33E-01	5.12E-04	3.81E-01	6.07E-02	1.38E+00	1.23E+00	4.91E+01	3.81E+00	3.10E-01	5.45E+01	1.20E+00	6.20E-04	3.81E-01	6.07E-02	1.64E+00
2311	494761.06	3860001.99	8.66E-01	5.32E-04	3.70E-01	5.48E-02	1.29E+00	1.14E+00	5.10E+01	3.70E+00	2.80E-01	5.61E+01	1.11E+00	6.44E-04	3.70E-01	5.48E-02	1.54E+00
2312	494811.06	3860001.99	8.49E-01	5.35E-04	3.71E-01	5.41E-02	1.28E+00	1.12E+00	5.14E+01	3.71E+00	2.76E-01	5.65E+01	1.09E+00	6.49E-04	3.71E-01	5.41E-02	1.51E+00
2313	494861.06	3860001.99	8.37E-01	5.42E-04	3.69E-01	5.27E-02	1.26E+00	1.11E+00	5.20E+01	3.69E+00	2.69E-01	5.70E+01	1.07E+00	6.56E-04	3.69E-01	5.27E-02	1.49E+00
2314	494911.06	3860001.99	8.81E-01	5.07E-04	4.00E-01	6.23E-02	1.34E+00	1.16E+00	4.87E+01	4.00E+00	3.18E-01	5.41E+01	1.13E+00	6.15E-04	4.00E-01	6.23E-02	1.59E+00

2315	494961.06	3860001.99	8.68E-01	5.12E-04	3.98E-01	6.11E-02	1.33E+00	1.15E+00	4.91E+01	3.98E+00	3.12E-01	5.45E+01	1.11E+00	6.20E-04	3.98E-01	6.11E-02	1.57E+00
2316	495011.06	3860001.99	8.65E-01	5.03E-04	4.06E-01	6.39E-02	1.34E+00	1.14E+00	4.82E+01	4.06E+00	3.27E-01	5.38E+01	1.11E+00	6.09E-04	4.06E-01	6.39E-02	1.58E+00
2317	495061.06	3860001.99	8.58E-01	5.08E-04	4.01E-01	6.24E-02	1.32E+00	1.13E+00	4.87E+01	4.01E+00	3.19E-01	5.42E+01	1.10E+00	6.15E-04	4.01E-01	6.24E-02	1.56E+00
2318	495111.06	3860001.99	8.65E-01	4.97E-04	4.09E-01	6.58E-02	1.34E+00	1.14E+00	4.77E+01	4.09E+00	3.36E-01	5.33E+01	1.11E+00	6.02E-04	4.09E-01	6.58E-02	1.58E+00
2319	495161.06	3860001.99	8.70E-01	4.87E-04	4.15E-01	6.91E-02	1.35E+00	1.15E+00	4.67E+01	4.15E+00	3.53E-01	5.24E+01	1.11E+00	5.90E-04	4.15E-01	6.91E-02	1.60E+00
2320	495211.06	3860001.99	8.64E-01	4.90E-04	4.09E-01	6.80E-02	1.34E+00	1.14E+00	4.70E+01	4.09E+00	3.48E-01	5.26E+01	1.11E+00	5.94E-04	4.09E-01	6.80E-02	1.58E+00
2321	495261.06	3860001.99	8.64E-01	4.81E-04	4.12E-01	7.08E-02	1.35E+00	1.14E+00	4.62E+01	4.12E+00	3.62E-01	5.18E+01	1.11E+00	5.83E-04	4.12E-01	7.08E-02	1.59E+00
2322	495311.06	3860001.99	8.60E-01	4.78E-04	4.09E-01	7.18E-02	1.34E+00	1.14E+00	4.59E+01	4.09E+00	3.67E-01	5.15E+01	1.10E+00	5.79E-04	4.09E-01	7.18E-02	1.58E+00
2323	495361.06	3860001.99	8.63E-01	4.70E-04	4.20E-01	7.81E-02	1.36E+00	1.14E+00	4.51E+01	4.20E+00	3.99E-01	5.08E+01	1.11E+00	5.69E-04	4.20E-01	7.81E-02	1.61E+00
2324	495411.06	3860001.99	8.61E-01	4.68E-04	4.08E-01	7.60E-02	1.34E+00	1.14E+00	4.49E+01	4.08E+00	3.88E-01	5.05E+01	1.10E+00	5.67E-04	4.08E-01	7.60E-02	1.59E+00
2325	495461.06	3860001.99	8.65E-01	4.66E-04	4.05E-01	7.80E-02	1.35E+00	1.14E+00	4.47E+01	4.05E+00	3.99E-01	5.03E+01	1.11E+00	5.64E-04	4.05E-01	7.80E-02	1.59E+00
2326	495511.06	3860001.99	8.68E-01	4.64E-04	4.01E-01	7.98E-02	1.35E+00	1.15E+00	4.45E+01	4.01E+00	4.08E-01	5.00E+01	1.11E+00	5.62E-04	4.01E-01	7.98E-02	1.59E+00
2327	495561.06	3860001.99	8.67E-01	4.61E-04	3.91E-01	7.93E-02	1.34E+00	1.14E+00	4.43E+01	3.91E+00	4.05E-01	4.97E+01	1.11E+00	5.59E-04	3.91E-01	7.93E-02	1.58E+00
2328	495611.06	3860001.99	8.69E-01	4.59E-04	3.91E-01	8.30E-02	1.34E+00	1.15E+00	4.40E+01	3.91E+00	4.24E-01	4.95E+01	1.11E+00	5.56E-04	3.91E-01	8.30E-02	1.59E+00
2329	495661.06	3860001.99	8.69E-01	4.57E-04	3.89E-01	8.63E-02	1.34E+00	1.15E+00	4.38E+01	3.89E+00	4.41E-01	4.93E+01	1.11E+00	5.53E-04	3.89E-01	8.63E-02	1.59E+00
2330	494411.06	3860051.99	9.53E-01	5.81E-04	3.17E-01	4.77E-02	1.32E+00	1.26E+00	5.57E+01	3.17E+00	2.44E-01	6.04E+01	1.22E+00	7.04E-04	3.17E-01	4.77E-02	1.59E+00
2331	494461.06	3860051.99	9.48E-01	5.73E-04	3.11E-01	4.88E-02	1.31E+00	1.25E+00	5.50E+01	3.11E+00	2.49E-01	5.96E+01	1.21E+00	6.94E-04	3.11E-01	4.88E-02	1.57E+00
2332	494511.06	3860051.99	9.41E-01	5.66E-04	3.04E-01	4.95E-02	1.29E+00	1.24E+00	5.43E+01	3.04E+00	2.53E-01	5.89E+01	1.21E+00	6.86E-04	3.04E-01	4.95E-02	1.56E+00
2333	494561.06	3860051.99	9.33E-01	5.75E-04	2.97E-01	4.70E-02	1.28E+00	1.23E+00	5.51E+01	2.97E+00	2.40E-01	5.96E+01	1.20E+00	6.96E-04	2.97E-01	4.70E-02	1.54E+00
2334	494611.06	3860051.99	9.23E-01	5.73E-04	2.93E-01	4.70E-02	1.26E+00	1.22E+00	5.50E+01	2.93E+00	2.40E-01	5.94E+01	1.18E+00	6.95E-04	2.93E-01	4.70E-02	1.52E+00
2335	494661.06	3860051.99	9.12E-01	5.69E-04	3.00E-01	4.69E-02	1.26E+00	1.21E+00	5.46E+01	3.00E+00	2.40E-01	5.90E+01	1.17E+00	6.89E-04	3.00E-01	4.69E-02	1.52E+00
2336	494711.06	3860051.99	9.00E-01	5.51E-04	3.21E-01	4.83E-02	1.27E+00	1.19E+00	5.28E+01	3.21E+00	2.47E-01	5.75E+01	1.15E+00	6.67E-04	3.21E-01	4.83E-02	1.52E+00
2337	494761.06	3860051.99	8.87E-01	5.48E-04	3.26E-01	4.77E-02	1.26E+00	1.17E+00	5.25E+01	3.26E+00	2.43E-01	5.72E+01	1.14E+00	6.63E-04	3.26E-01	4.77E-02	1.51E+00
2338	494811.06	3860051.99	8.73E-01	5.55E-04	3.24E-01	4.66E-02	1.24E+00	1.15E+00	5.32E+01	3.24E+00	2.38E-01	5.78E+01	1.12E+00	6.72E-04	3.24E-01	4.66E-02	1.49E+00
2339	494861.06	3860051.99	8.59E-01	5.63E-04	3.24E-01	4.65E-02	1.23E+00	1.13E+00	5.40E+01	3.24E+00	2.38E-01	5.86E+01	1.10E+00	6.82E-04	3.24E-01	4.65E-02	1.47E+00
2340	494911.06	3860051.99	8.43E-01	5.51E-04	3.38E-01	4.64E-02	1.23E+00	1.11E+00	5.28E+01	3.38E+00	2.37E-01	5.76E+01	1.08E+00	6.67E-04	3.38E-01	4.64E-02	1.47E+00
2341	494961.06	3860051.99	8.28E-01	5.37E-04	3.54E-01	4.98E-02	1.23E+00	1.09E+00	5.15E+01	3.54E+00	2.54E-01	5.64E+01	1.06E+00	6.50E-04	3.54E-01	4.98E-02	1.46E+00
2342	495011.06	3860051.99	8.20E-01	5.26E-04	3.66E-01	5.28E-02	1.24E+00	1.08E+00	5.05E+01	3.66E+00	2.70E-01	5.55E+01	1.05E+00	6.38E-04	3.66E-01	5.28E-02	1.47E+00
2343	495061.06	3860051.99	8.11E-01	5.21E-04	3.73E-01	5.46E-02	1.24E+00	1.07E+00	5.00E+01	3.73E+00	2.79E-01	5.51E+01	1.04E+00	6.32E-04	3.73E-01	5.46E-02	1.47E+00
2344	495111.06	3860051.99	8.02E-01	5.08E-04	3.86E-01	5.92E-02	1.25E+00	1.06E+00	4.87E+01	3.86E+00	3.02E-01	5.40E+01	1.03E+00	6.16E-04	3.86E-01	5.92E-02	1.47E+00
2345	495161.06	3860051.99	8.39E-01	5.03E-04	3.91E-01	6.09E-02	1.29E+00	1.11E+00	4.83E+01	3.91E+00	3.11E-01	5.36E+01	1.08E+00	6.10E-04	3.91E-01	6.09E-02	1.53E+00
2346	495211.06	3860051.99	8.46E-01	4.95E-04	3.99E-01	6.38E-02	1.31E+00	1.12E+00	4.75E+01	3.99E+00	3.26E-01	5.29E+01	1.08E+00	6.00E-04	3.99E-01	6.38E-02	1.55E+00
2347	495261.06	3860051.99	8.45E-01	4.94E-04	3.99E-01	6.42E-02	1.31E+00	1.12E+00	4.74E+01	3.99E+00	3.28E-01	5.28E+01	1.08E+00	5.99E-04	3.99E-01	6.42E-02	1.55E+00
2348	495311.06	3860051.99	8.41E-01	4.96E-04	3.96E-01	6.37E-02	1.30E+00	1.11E+00	4.76E+01	3.96E+00	3.26E-01	5.30E+01	1.08E+00	6.01E-04	3.96E-01	6.37E-02	1.54E+00
2349	495361.06	3860051.99	8.39E-01	4.94E-04	3.95E-01	6.46E-02	1.30E+00	1.11E+00	4.73E+01	3.95E+00	3.30E-01	5.27E+01	1.08E+00	5.98E-04	3.95E-01	6.46E-02	1.54E+00
2350	495411.06	3860051.99	8.37E-01	4.89E-04	3.96E-01	6.62E-02	1.30E+00	1.11E+00	4.69E+01	3.96E+00	3.38E-01	5.23E+01	1.07E+00	5.93E-04	3.96E-01	6.62E-02	1.54E+00
2351	495461.06	3860051.99	8.36E-01	4.82E-04	3.98E-01	6.88E-02	1.30E+00	1.10E+00	4.62E+01	3.98E+00	3.51E-01	5.17E+01	1.07E+00	5.84E-04	3.98E-01	6.88E-02	1.54E+00
2352	495511.06	3860051.99	8.35E-01	4.81E-04	3.93E-01	6.91E-02	1.30E+00	1.10E+00	4.61E+01	3.93E+00	3.53E-01	5.15E+01	1.07E+00	5.83E-04	3.93E-01	6.91E-02	1.53E+00
2353	495561.06	3860051.99	8.40E-01	4.76E-04	3.92E-01	7.08E-02	1.30E+00	1.11E+00	4.57E+01	3.92E+00	3.62E-01	5.11E+01	1.08E+00	5.77E-04	3.92E-01	7.08E-02	1.54E+00
2354	495611.06	3860051.99	8.46E-01	4.68E-04	3.92E-01	7.35E-02	1.31E+00	1.12E+00	4.49E+01	3.92E+00	3.76E-01	5.03E+01	1.08E+00	5.68E-04	3.92E-01	7.35E-02	1.55E+00
2355	495661.06	3860051.99	8.53E-01	4.55E-04	3.95E-01	7.82E-02	1.33E+00	1.13E+00	4.36E+01	3.95E+00	4.00E-01	4.91E+01	1.09E+00	5.51E-04	3.95E-01	7.82E-02	1.57E+00
2356	494411.06	3860101.99	9.46E-01	6.00E-04	3.29E-01	4.70E-02	1.32E+00	1.25E+00	5.75E+01	3.29E+00	2.40E-01	6.23E+01	1.21E+00	7.27E-04	3.29E-01	4.70E-02	1.59E+00
2357	494461.06	3860101.99	9.44E-01	6.07E-04	3.24E-01	4.69E-02	1.32E+00	1.25E+00	5.82E+01	3.24E+00	2.40E-01	6.30E+01	1.21E+00	7.35E-04	3.24E-01	4.69E-02	1.58E+00
2358	494511.06	3860101.99	9.40E-01	5.93E-04	3.19E-01	4.68E-02	1.31E+00	1.24E+00	5.69E+01	3.19E+00	2.39E-01	6.15E+01	1.21E+00	7.18E-04	3.19E-01	4.68E-02	1.57E+00
2359	494561.06	3860101.99	9.35E-01	5.94E-04	3.14E-01	4.68E-02	1.30E+00	1.24E+00	5.70E+01	3.14E+00	2.39E-01	6.16E+01	1.20E+00	7.20E-04	3.14E-01	4.68E-02	1.56E+00
2360	494611.06	3860101.99	9.29E-01	6.02E-04	3.08E-01	4.67E-02	1.28E+00	1.23E+00	5.77E+01	3.08E+00	2.39E-01	6.23E+01	1.19E+00	7.29E-04	3.08E-01	4.67E-02	1.55E+00
2361	494661.06	3860101.99	9.21E-01	6.01E-04	3.02E-01	4.67E-02	1.27E+00	1.22E+00	5.76E+01	3.02E+00	2.38E-01	6.21E+01	1.18E+00	7.28E-04	3.02E-01	4.67E-02	1.53E+00
2362	494711.06	3860101.99	9.12E-01	5.86E-04	2.95E-01	4.65E-02	1.25E+00	1.21E+00	5.62E+01	2.95E+00	2.38E-01	6.06E+01	1.17E+00	7.11E-04	2.95E-01	4.65E-02	1.51E+00
2363	494761.06	3860101.99	9.02E-01	5.83E-04	2.88E-01	4.65E-02	1.24E+00	1.19E+00	5.59E+01	2.88E+00	2.37E-01	6.03E+01	1.16E+00	7.07E-04	2.88E-01	4.65E-02	1.49E+00
2364	494811.06	3860101.99	8.91E-01	5.81E-04	2.89E-01	4.64E-02	1.23E+00	1.18E+00	5.57E+01	2.89E+00	2.37E-01	6.00E+01	1.14E+00	7.04E-04	2.89E-01	4.64E-02	1.48E+00
2365	494861.06	3860101.99	8.78E-01	5.93E-04	2.92E-01	4.64E-02	1.22E+00	1.16E+00	5.69E+01	2.92E+00	2.37E-01	6.12E+01	1.13E+00	7.18E-04	2.92E-01	4.64E-02	1.46E+00
2366	494911.06	3860101.99	8.65E-01	5.62E-04	3.12E-01	4.62E-02	1.22E+00	1.14E+00	5.39E+01	3.12E+00	2.36E-01	5.84E+01	1.11E+00	6.81E-04	3.12E-01	4.62E-02	1.47E+00
2367	494961.06	3860101.99	8.51E-01	5.57E-04	3.18E-01	4.61E-02	1.22E+00	1.12E+00	5.34E+01	3.18E+00	2.36E-01	5.80E+01	1.09E+00	6.75E-04	3.18E-01	4.61E-02	1.46E+00
2368	495011.06	3860101.99	8.36E-01	5.46E-04	3.31E-01	4.60E-02	1.21E+00	1.10E+00	5.23E+01	3.31E+00	2.35E-01	5.70E+01	1.07E+00	6.61E-04	3.31E-01	4.60E-02	1.45E+00
2369	495061.06	3860101.99	8.20E-01	5.35E-04	3.42E-01	4.79E-02	1.21E+00	1.08E+00	5.13E+01	3.42E+00	2.45E-01	5.61E+01	1.05E+00	6.48E-04	3.42E-01	4.79E-02	1.44E+00
2370	495111.06	3860101.99	8.12E-01	5.21E-04	3.57E-01	5.27E-02	1.22E+00	1.07E+00	4.99E+01	3.57E+00	2.69E-01	5.48E+01	1.04E+00	6.31E-04	3.57E-01	5.27E-02	1.45E+00
2371	495161.06	3860101.99	8.04E-01	5.16E-04	3.60E-01	5.24E-02	1.22E+00	1.06E+00	4.95E+01	3.60E+00	2.68E-01	5.44E+01	1.03E+00	6.25E-04	3.60E-01	5.24E-02	1.44E+00
2372	495211.06	3860101.99	7.95E-01	5.08E-04	3.67E-01	5.40E-02	1.22E+00	1.05E+00	4.87E+01	3.67E+00	2.76E-01	5.37E+01	1.02E+00	6.15E-04	3.67E-01	5.40E-02	1.44E+00
2373	495261.06	3860101.99	7.86E-01	5.04E-04	3.73E-01	5.58E-02	1.21E+00	1.04E+00	4.83E+01	3.73E+00	2.85E-01	5.33E+01	1.01E+00	6.10E-04	3.73E-01	5.58E-02	1.44E+00
2374	495311.06	3860101.99	7.85E-01	5.02E-04	3.76E-01	5.66E-02	1.22E+00	1.04E+00	4.82E+01	3.76E+00	2.89E-01	5.32E+01	1.01E+00	6.08E-04	3.76E-01	5.66E-02	1.44E+00
2375	495361.06	3860101.99	7.83E-01	5.05E-04	3.74E-01	5.58E-02	1.21E+00	1.03E+00	4.84E+01	3.74E+00	2.85E-01	5.35E+01	1.00E+00	6.12E-04	3.74E-01	5.58E-02	1.43E+00

2376	495411.06	3860101.99	7.80E-01	5.00E-04	3.79E-01	5.78E-02	1.22E+00	1.03E+00	4.80E+01	3.79E+00	2.95E-01	5.31E+01	1.00E+00	6.06E-04	3.79E-01	5.78E-02	1.44E+00
2377	495461.06	3860101.99	8.22E-01	4.88E-04	3.89E-01	6.26E-02	1.27E+00	1.09E+00	4.68E+01	3.89E+00	3.20E-01	5.21E+01	1.05E+00	5.91E-04	3.89E-01	6.26E-02	1.51E+00
2378	495511.06	3860101.99	8.15E-01	4.90E-04	3.85E-01	6.18E-02	1.26E+00	1.08E+00	4.70E+01	3.85E+00	3.16E-01	5.23E+01	1.05E+00	5.94E-04	3.85E-01	6.18E-02	1.49E+00
2379	495561.06	3860101.99	8.08E-01	4.93E-04	3.80E-01	6.12E-02	1.25E+00	1.07E+00	4.72E+01	3.80E+00	3.13E-01	5.24E+01	1.04E+00	5.97E-04	3.80E-01	6.12E-02	1.48E+00
2380	495611.06	3860101.99	8.14E-01	4.80E-04	3.89E-01	6.62E-02	1.27E+00	1.08E+00	4.60E+01	3.89E+00	3.38E-01	5.13E+01	1.04E+00	5.81E-04	3.89E-01	6.62E-02	1.50E+00
2381	495661.06	3860101.99	8.20E-01	4.76E-04	3.88E-01	6.77E-02	1.28E+00	1.08E+00	4.56E+01	3.88E+00	3.46E-01	5.10E+01	1.05E+00	5.77E-04	3.88E-01	6.77E-02	1.51E+00
2382	494861.06	3860151.99	8.90E-01	6.27E-04	2.96E-01	4.61E-02	1.23E+00	1.18E+00	6.01E+01	2.96E+00	2.36E-01	6.45E+01	1.14E+00	7.60E-04	2.96E-01	4.61E-02	1.48E+00
2383	494911.06	3860151.99	8.81E-01	5.98E-04	2.87E-01	4.59E-02	1.21E+00	1.16E+00	5.73E+01	2.87E+00	2.34E-01	6.16E+01	1.13E+00	7.24E-04	2.87E-01	4.59E-02	1.46E+00
2384	494961.06	3860151.99	8.70E-01	5.89E-04	2.84E-01	4.58E-02	1.20E+00	1.15E+00	5.65E+01	2.84E+00	2.34E-01	6.07E+01	1.11E+00	7.14E-04	2.84E-01	4.58E-02	1.45E+00
2385	495011.06	3860151.99	8.57E-01	5.79E-04	2.93E-01	4.57E-02	1.20E+00	1.13E+00	5.55E+01	2.93E+00	2.33E-01	5.98E+01	1.10E+00	7.01E-04	2.93E-01	4.57E-02	1.44E+00
2386	495061.06	3860151.99	8.43E-01	5.68E-04	3.05E-01	4.56E-02	1.19E+00	1.11E+00	5.45E+01	3.05E+00	2.33E-01	5.89E+01	1.08E+00	6.89E-04	3.05E-01	4.56E-02	1.43E+00
2387	495111.06	3860151.99	8.29E-01	5.61E-04	3.14E-01	4.55E-02	1.19E+00	1.09E+00	5.38E+01	3.14E+00	2.32E-01	5.83E+01	1.06E+00	6.79E-04	3.14E-01	4.55E-02	1.42E+00
2388	495161.06	3860151.99	8.13E-01	5.54E-04	3.22E-01	4.54E-02	1.18E+00	1.07E+00	5.32E+01	3.22E+00	2.32E-01	5.77E+01	1.04E+00	6.72E-04	3.22E-01	4.54E-02	1.41E+00
2389	495211.06	3860151.99	8.03E-01	5.46E-04	3.31E-01	4.53E-02	1.18E+00	1.06E+00	5.23E+01	3.31E+00	2.31E-01	5.69E+01	1.03E+00	6.61E-04	3.31E-01	4.53E-02	1.41E+00
2390	495261.06	3860151.99	7.96E-01	5.40E-04	3.37E-01	4.55E-02	1.18E+00	1.05E+00	5.18E+01	3.37E+00	2.33E-01	5.64E+01	1.02E+00	6.54E-04	3.37E-01	4.55E-02	1.40E+00
2391	495311.06	3860151.99	7.88E-01	5.33E-04	3.43E-01	4.65E-02	1.18E+00	1.04E+00	5.11E+01	3.43E+00	2.37E-01	5.59E+01	1.01E+00	6.46E-04	3.43E-01	4.65E-02	1.40E+00
2392	495361.06	3860151.99	7.78E-01	5.28E-04	3.47E-01	4.70E-02	1.17E+00	1.03E+00	5.06E+01	3.47E+00	2.40E-01	5.53E+01	9.98E-01	6.39E-04	3.47E-01	4.70E-02	1.39E+00
2393	495411.06	3860151.99	7.75E-01	5.20E-04	3.52E-01	4.86E-02	1.18E+00	1.02E+00	4.98E+01	3.52E+00	2.48E-01	5.46E+01	9.93E-01	6.30E-04	3.52E-01	4.86E-02	1.39E+00
2394	495461.06	3860151.99	7.73E-01	5.12E-04	3.57E-01	4.99E-02	1.18E+00	1.02E+00	4.91E+01	3.57E+00	2.55E-01	5.40E+01	9.91E-01	6.21E-04	3.57E-01	4.99E-02	1.40E+00
2395	495511.06	3860151.99	7.71E-01	5.02E-04	3.64E-01	5.27E-02	1.19E+00	1.02E+00	4.82E+01	3.64E+00	2.69E-01	5.31E+01	9.88E-01	6.09E-04	3.64E-01	5.27E-02	1.41E+00
2396	495561.06	3860151.99	7.68E-01	4.97E-04	3.65E-01	5.32E-02	1.19E+00	1.01E+00	4.76E+01	3.65E+00	2.72E-01	5.26E+01	9.84E-01	6.02E-04	3.65E-01	5.32E-02	1.40E+00
2397	495611.06	3860151.99	7.63E-01	4.90E-04	3.70E-01	5.58E-02	1.19E+00	1.01E+00	4.70E+01	3.70E+00	2.85E-01	5.20E+01	9.79E-01	5.93E-04	3.70E-01	5.58E-02	1.41E+00
2398	495661.06	3860151.99	7.58E-01	4.82E-04	3.76E-01	5.91E-02	1.19E+00	1.00E+00	4.63E+01	3.76E+00	3.02E-01	5.13E+01	9.72E-01	5.84E-04	3.76E-01	5.91E-02	1.41E+00
2399	495718.25	3859442.96	7.11E-01	3.07E-04	8.14E-01	9.84E-02	1.62E+00	9.39E-01	2.95E+01	8.14E+00	5.02E-01	3.91E+01	9.11E-01	3.72E-04	8.14E-01	9.84E-02	1.82E+00
2400	495818.25	3859442.96	6.82E-01	3.11E-04	7.68E-01	9.38E-02	1.54E+00	9.01E-01	2.98E+01	7.68E+00	4.79E-01	3.89E+01	8.74E-01	3.77E-04	7.68E-01	9.38E-02	1.74E+00
2401	495918.25	3859442.96	6.59E-01	3.15E-04	7.25E-01	9.06E-02	1.48E+00	8.71E-01	3.02E+01	7.25E+00	4.63E-01	3.88E+01	8.45E-01	3.81E-04	7.25E-01	9.06E-02	1.66E+00
2402	496018.25	3859442.96	6.38E-01	3.18E-04	6.84E-01	8.79E-02	1.41E+00	8.42E-01	3.05E+01	6.84E+00	4.49E-01	3.86E+01	8.18E-01	3.85E-04	6.84E-01	8.79E-02	1.59E+00
2403	496118.25	3859442.96	6.36E-01	3.22E-04	6.63E-01	9.08E-02	1.39E+00	8.40E-01	3.08E+01	6.63E+00	4.64E-01	3.88E+01	8.15E-01	3.90E-04	6.63E-01	9.08E-02	1.57E+00
2404	496218.25	3859442.96	6.46E-01	3.25E-04	6.36E-01	9.24E-02	1.37E+00	8.54E-01	3.11E+01	6.36E+00	4.72E-01	3.88E+01	8.29E-01	3.93E-04	6.36E-01	9.24E-02	1.56E+00
2405	496318.25	3859442.96	6.42E-01	3.27E-04	6.00E-01	8.98E-02	1.33E+00	8.48E-01	3.14E+01	6.00E+00	4.59E-01	3.87E+01	8.23E-01	3.96E-04	6.00E-01	8.98E-02	1.51E+00
2406	496418.25	3859442.96	6.42E-01	3.30E-04	5.64E-01	8.69E-02	1.29E+00	8.48E-01	3.16E+01	5.64E+00	4.44E-01	3.85E+01	8.23E-01	3.99E-04	5.64E-01	8.69E-02	1.47E+00
2407	495718.25	3859542.96	7.89E-01	2.86E-04	9.17E-01	1.08E-01	1.81E+00	1.04E+00	2.74E+01	9.17E+00	5.50E-01	3.82E+01	1.01E+00	3.46E-04	9.17E-01	1.08E-01	2.04E+00
2408	495818.25	3859542.96	7.71E-01	2.90E-04	8.96E-01	1.07E-01	1.77E+00	1.02E+00	2.78E+01	8.96E+00	5.44E-01	3.83E+01	9.89E-01	3.51E-04	8.96E-01	1.07E-01	1.99E+00
2409	495918.25	3859542.96	7.48E-01	2.94E-04	8.73E-01	1.04E-01	1.73E+00	9.88E-01	2.82E+01	8.73E+00	5.33E-01	3.85E+01	9.59E-01	3.56E-04	8.73E-01	1.04E-01	1.94E+00
2410	496018.25	3859542.96	7.27E-01	2.98E-04	8.44E-01	1.02E-01	1.67E+00	9.60E-01	2.86E+01	8.44E+00	5.22E-01	3.85E+01	9.31E-01	3.61E-04	8.44E-01	1.02E-01	1.88E+00
2411	496118.25	3859542.96	7.26E-01	3.02E-04	8.09E-01	1.04E-01	1.64E+00	9.59E-01	2.90E+01	8.09E+00	5.31E-01	3.86E+01	9.31E-01	3.66E-04	8.09E-01	1.04E-01	1.84E+00
2412	496218.25	3859542.96	7.16E-01	3.06E-04	7.73E-01	1.04E-01	1.59E+00	9.46E-01	2.94E+01	7.73E+00	5.32E-01	3.86E+01	9.18E-01	3.71E-04	7.73E-01	1.04E-01	1.80E+00
2413	496318.25	3859542.96	6.99E-01	3.10E-04	7.38E-01	1.03E-01	1.54E+00	9.24E-01	2.98E+01	7.38E+00	5.28E-01	3.86E+01	8.97E-01	3.76E-04	7.38E-01	1.03E-01	1.74E+00
2414	496418.25	3859542.96	6.80E-01	3.14E-04	7.11E-01	1.01E-01	1.49E+00	8.99E-01	3.01E+01	7.11E+00	5.14E-01	3.86E+01	8.72E-01	3.80E-04	7.11E-01	1.01E-01	1.68E+00
2415	495718.25	3859642.96	8.38E-01	2.89E-04	8.80E-01	1.05E-01	1.82E+00	1.11E+00	2.78E+01	8.80E+00	5.38E-01	3.82E+01	1.07E+00	3.51E-04	8.80E-01	1.05E-01	2.06E+00
2416	495818.25	3859642.96	8.23E-01	2.80E-04	8.92E-01	1.06E-01	1.82E+00	1.09E+00	2.68E+01	8.92E+00	5.43E-01	3.74E+01	1.06E+00	3.39E-04	8.92E-01	1.06E-01	2.05E+00
2417	495918.25	3859642.96	8.12E-01	2.77E-04	8.85E-01	1.07E-01	1.80E+00	1.07E+00	2.65E+01	8.85E+00	5.46E-01	3.70E+01	1.04E+00	3.35E-04	8.85E-01	1.07E-01	2.03E+00
2418	496018.25	3859642.96	7.96E-01	2.78E-04	8.83E-01	1.07E-01	1.79E+00	1.05E+00	2.67E+01	8.83E+00	5.46E-01	3.71E+01	1.02E+00	3.37E-04	8.83E-01	1.07E-01	2.01E+00
2419	496118.25	3859642.96	7.98E-01	2.87E-04	8.33E-01	1.07E-01	1.74E+00	1.05E+00	2.76E+01	8.33E+00	5.49E-01	3.75E+01	1.02E+00	3.48E-04	8.33E-01	1.07E-01	1.96E+00
2420	496218.25	3859642.96	7.92E-01	2.99E-04	7.90E-01	1.07E-01	1.69E+00	1.05E+00	2.87E+01	7.90E+00	5.47E-01	3.81E+01	1.02E+00	3.62E-04	7.90E-01	1.07E-01	1.91E+00
2421	496318.25	3859642.96	7.72E-01	2.93E-04	7.80E-01	1.07E-01	1.66E+00	1.02E+00	2.81E+01	7.80E+00	5.45E-01	3.75E+01	9.90E-01	3.56E-04	7.80E-01	1.07E-01	1.88E+00
2422	496418.25	3859642.96	7.24E-01	2.94E-04	8.17E-01	1.04E-01	1.65E+00	9.57E-01	2.82E+01	8.17E+00	5.31E-01	3.78E+01	9.29E-01	3.56E-04	8.17E-01	1.04E-01	1.85E+00
2423	495718.25	3859742.96	8.72E-01	3.46E-04	6.91E-01	1.02E-01	1.67E+00	1.15E+00	3.32E+01	6.91E+00	5.22E-01	4.18E+01	1.12E+00	4.19E-04	6.91E-01	1.02E-01	1.91E+00
2424	495818.25	3859742.96	8.53E-01	3.31E-04	7.40E-01	1.02E-01	1.70E+00	1.13E+00	3.18E+01	7.40E+00	5.20E-01	4.08E+01	1.09E+00	4.01E-04	7.40E-01	1.02E-01	1.94E+00
2425	495918.25	3859742.96	8.47E-01	3.24E-04	7.65E-01	1.01E-01	1.71E+00	1.12E+00	3.11E+01	7.65E+00	5.16E-01	4.03E+01	1.09E+00	3.92E-04	7.65E-01	1.01E-01	1.95E+00
2426	496018.25	3859742.96	8.37E-01	3.15E-04	7.91E-01	1.01E-01	1.73E+00	1.11E+00	3.02E+01	7.91E+00	5.15E-01	3.97E+01	1.07E+00	3.81E-04	7.91E-01	1.01E-01	1.97E+00
2427	496118.25	3859742.96	8.39E-01	3.31E-04	7.48E-01	1.00E-01	1.69E+00	1.11E+00	3.17E+01	7.48E+00	5.12E-01	4.08E+01	1.08E+00	4.01E-04	7.48E-01	1.00E-01	1.92E+00
2428	496218.25	3859742.96	8.38E-01	3.52E-04	6.84E-01	9.94E-02	1.62E+00	1.11E+00	3.38E+01	6.84E+00	5.08E-01	4.22E+01	1.07E+00	4.26E-04	6.84E-01	9.94E-02	1.86E+00
2429	496318.25	3859742.96	8.10E-01	3.14E-04	7.80E-01	1.03E-01	1.69E+00	1.07E+00	3.02E+01	7.80E+00	5.28E-01	3.96E+01	1.04E+00	3.81E-04	7.80E-01	1.03E-01	1.92E+00
2430	496418.25	3859742.96	7.78E-01	2.81E-04	8.42E-01	1.08E-01	1.73E+00	1.03E+00	2.69E+01	8.42E+00	5.53E-01	3.69E+01	9.98E-01	3.40E-04	8.42E-01	1.08E-01	1.95E+00
2431	495718.25	3859842.96	8.86E-01	4.92E-04	5.28E-01	1.03E-01	1.52E+00	1.17E+00	4.71E+01	5.28E+00	5.25E-01	5.41E+01	1.14E+00	5.95E-04	5.28E-01	1.03E-01	1.77E+00
2432	495818.25	3859842.96	8.79E-01	4.89E-04	5.28E-01	1.04E-01	1.51E+00	1.16E+00	4.69E+01	5.28E+00	5.32E-01	5.39E+01	1.13E+00	5.93E-04	5.28E-01	1.04E-01	1.76E+00
2433	495918.25	3859842.96	8.68E-01	4.87E-04	5.51E-01	1.05E-01	1.52E+00	1.15E+00	4.67E+01	5.51E+00	5.37E-01	5.39E+01	1.11E+00	5.90E-04	5.51E-01	1.05E-01	1.77E+00
2434	496018.25	3859842.96	8.55E-01	4.85E-04	5.65E-01	1.05E-01	1.52E+00	1.13E+00	4.65E+01	5.65E+00	5.35E-01	5.38E+01	1.10E+00	5.87E-04	5.65E-01	1.05E-01	1.77E+00
2435	496118.25	3859842.96	8.53E-01	4.83E-04	5.03E-01	1.00E-01	1.46E+00	1.13E+00	4.63E+01	5.03E+00	5.11E-01	5.30E+01	1.09E+00	5.85E-04	5.03E-01	1.00E-01	1.70E+00
2436	496218.25	3859842.96	8.45E-01	3.54E-04	6.13E-01	1.05E-01	1.56E+00	1.12E+00	3.39E+01	6.13E+00	5.36E-01	4.17E+01	1.08E+00	4.29E-04	6.13E-01	1.05E-01	1.80E+00

2437	496318.25	3859842.96	8.04E-01	2.82E-04	8.11E-01	1.01E-01	1.72E+00	1.06E+00	2.70E+01	8.11E+00	5.17E-01	3.67E+01	1.03E+00	3.42E-04	8.11E-01	1.01E-01	1.94E+00
2438	496418.25	3859842.96	7.63E-01	2.60E-04	8.73E-01	9.77E-02	1.73E+00	1.01E+00	2.50E+01	8.73E+00	4.99E-01	3.52E+01	9.79E-01	3.15E-04	8.73E-01	9.77E-02	1.95E+00
2439	495718.25	3859942.96	8.66E-01	4.75E-04	4.40E-01	9.57E-02	1.40E+00	1.14E+00	4.55E+01	4.40E+00	4.89E-01	5.16E+01	1.11E+00	5.75E-04	4.40E-01	9.57E-02	1.65E+00
2440	495818.25	3859942.96	8.64E-01	4.71E-04	4.61E-01	9.91E-02	1.43E+00	1.14E+00	4.52E+01	4.61E+00	5.06E-01	5.14E+01	1.11E+00	5.71E-04	4.61E-01	9.91E-02	1.67E+00
2441	495918.25	3859942.96	8.65E-01	4.67E-04	4.57E-01	9.98E-02	1.42E+00	1.14E+00	4.48E+01	4.57E+00	5.10E-01	5.10E+01	1.11E+00	5.66E-04	4.57E-01	9.98E-02	1.67E+00
2442	496018.25	3859942.96	8.56E-01	4.64E-04	4.50E-01	9.42E-02	1.40E+00	1.13E+00	4.45E+01	4.50E+00	4.81E-01	5.06E+01	1.10E+00	5.62E-04	4.50E-01	9.42E-02	1.64E+00
2443	496118.25	3859942.96	8.55E-01	4.60E-04	4.79E-01	1.02E-01	1.44E+00	1.13E+00	4.41E+01	4.79E+00	5.23E-01	5.06E+01	1.10E+00	5.57E-04	4.79E-01	1.02E-01	1.68E+00
2444	496218.25	3859942.96	8.45E-01	3.27E-04	5.73E-01	1.12E-01	1.53E+00	1.12E+00	3.13E+01	5.73E+00	5.71E-01	3.87E+01	1.08E+00	3.96E-04	5.73E-01	1.12E-01	1.77E+00
2445	496318.25	3859942.96	8.21E-01	2.85E-04	6.79E-01	1.12E-01	1.61E+00	1.08E+00	2.73E+01	6.79E+00	5.71E-01	3.58E+01	1.05E+00	3.45E-04	6.79E-01	1.12E-01	1.84E+00
2446	496418.25	3859942.96	7.72E-01	2.54E-04	8.00E-01	9.81E-02	1.67E+00	1.02E+00	2.44E+01	8.00E+00	5.01E-01	3.39E+01	9.89E-01	3.08E-04	8.00E-01	9.81E-02	1.89E+00
2447	496856.82	3858864.83	4.55E-01	3.57E-04	3.21E-01	4.89E-02	8.26E-01	6.01E-01	3.43E+01	3.21E+00	2.50E-01	3.83E+01	5.84E-01	4.33E-04	3.21E-01	4.89E-02	9.54E-01
2448	496956.82	3858864.83	4.66E-01	3.56E-04	3.11E-01	4.88E-02	8.26E-01	6.15E-01	3.41E+01	3.11E+00	2.49E-01	3.81E+01	5.97E-01	4.31E-04	3.11E-01	4.88E-02	9.57E-01
2449	497056.82	3858864.83	4.76E-01	3.54E-04	3.03E-01	4.86E-02	8.28E-01	6.28E-01	3.40E+01	3.03E+00	2.48E-01	3.79E+01	6.10E-01	4.29E-04	3.03E-01	4.86E-02	9.62E-01
2450	497156.82	3858864.83	4.85E-01	3.52E-04	2.96E-01	4.85E-02	8.30E-01	6.41E-01	3.38E+01	2.96E+00	2.48E-01	3.77E+01	6.22E-01	4.27E-04	2.96E-01	4.85E-02	9.67E-01
2451	497256.82	3858864.83	4.94E-01	3.51E-04	2.92E-01	4.83E-02	8.35E-01	6.53E-01	3.37E+01	2.92E+00	2.47E-01	3.75E+01	6.33E-01	4.25E-04	2.92E-01	4.83E-02	9.74E-01
2452	496856.82	3858964.83	3.92E-01	3.35E-04	4.04E-01	4.90E-02	8.45E-01	5.18E-01	3.22E+01	4.04E+00	2.50E-01	3.70E+01	5.03E-01	4.06E-04	4.04E-01	4.90E-02	9.56E-01
2453	496956.82	3858964.83	4.04E-01	3.34E-04	3.71E-01	4.89E-02	8.24E-01	5.34E-01	3.20E+01	3.71E+00	2.50E-01	3.65E+01	5.18E-01	4.04E-04	3.71E-01	4.89E-02	9.38E-01
2454	497056.82	3858964.83	4.16E-01	3.32E-04	3.51E-01	4.87E-02	8.17E-01	5.50E-01	3.19E+01	3.51E+00	2.49E-01	3.62E+01	5.34E-01	4.03E-04	3.51E-01	4.87E-02	9.34E-01
2455	497156.82	3858964.83	4.28E-01	3.31E-04	3.34E-01	4.85E-02	8.10E-01	5.65E-01	3.17E+01	3.34E+00	2.48E-01	3.59E+01	5.48E-01	4.01E-04	3.34E-01	4.85E-02	9.31E-01
2456	497256.82	3858964.83	4.39E-01	3.29E-04	3.57E-01	4.83E-02	8.45E-01	5.81E-01	3.16E+01	3.57E+00	2.47E-01	3.60E+01	5.63E-01	3.99E-04	3.57E-01	4.83E-02	9.69E-01
2457	496856.82	3859064.83	4.02E-01	3.10E-04	4.69E-01	4.89E-02	9.19E-01	5.30E-01	2.98E+01	4.69E+00	2.50E-01	3.52E+01	5.15E-01	3.76E-04	4.69E-01	4.89E-02	1.03E+00
2458	496956.82	3859064.83	3.96E-01	3.09E-04	4.41E-01	4.87E-02	8.86E-01	5.24E-01	2.97E+01	4.41E+00	2.49E-01	3.48E+01	5.08E-01	3.75E-04	4.41E-01	4.87E-02	9.98E-01
2459	497056.82	3859064.83	3.94E-01	3.08E-04	4.22E-01	4.85E-02	8.65E-01	5.20E-01	2.95E+01	4.22E+00	2.48E-01	3.45E+01	5.05E-01	3.73E-04	4.22E-01	4.85E-02	9.76E-01
2460	497156.82	3859064.83	3.93E-01	3.07E-04	4.09E-01	4.83E-02	8.50E-01	5.19E-01	2.94E+01	4.09E+00	2.47E-01	3.43E+01	5.04E-01	3.72E-04	4.09E-01	4.83E-02	9.61E-01
2461	497256.82	3859064.83	4.21E-01	3.06E-04	4.72E-01	4.80E-02	9.42E-01	5.57E-01	2.93E+01	4.72E+00	2.45E-01	3.49E+01	5.40E-01	3.71E-04	4.72E-01	4.80E-02	1.06E+00
2462	496856.82	3859164.83	4.21E-01	2.86E-04	4.84E-01	4.86E-02	9.54E-01	5.56E-01	2.75E+01	4.84E+00	2.48E-01	3.31E+01	5.40E-01	3.47E-04	4.84E-01	4.86E-02	1.07E+00
2463	496956.82	3859164.83	4.05E-01	2.86E-04	4.54E-01	4.84E-02	9.08E-01	5.35E-01	2.74E+01	4.54E+00	2.47E-01	3.27E+01	5.19E-01	3.46E-04	4.54E-01	4.84E-02	1.02E+00
2464	497056.82	3859164.83	4.01E-01	2.85E-04	4.57E-01	4.81E-02	9.06E-01	5.30E-01	2.73E+01	4.57E+00	2.46E-01	3.27E+01	5.15E-01	3.45E-04	4.57E-01	4.81E-02	1.02E+00
2465	497156.82	3859164.83	4.15E-01	2.84E-04	4.95E-01	4.78E-02	9.58E-01	5.48E-01	2.73E+01	4.95E+00	2.44E-01	3.30E+01	5.32E-01	3.44E-04	4.95E-01	4.78E-02	1.08E+00
2466	497256.82	3859164.83	4.50E-01	2.84E-04	5.83E-01	4.75E-02	1.08E+00	5.94E-01	2.72E+01	5.83E+00	2.43E-01	3.39E+01	5.77E-01	3.43E-04	5.83E-01	4.75E-02	1.21E+00
2467	496856.82	3859264.83	4.45E-01	2.66E-04	4.52E-01	4.80E-02	9.46E-01	5.88E-01	2.56E+01	4.52E+00	2.45E-01	3.09E+01	5.71E-01	3.23E-04	4.52E-01	4.80E-02	1.07E+00
2468	496956.82	3859264.83	4.50E-01	2.66E-04	4.69E-01	4.77E-02	9.67E-01	5.94E-01	2.55E+01	4.69E+00	2.44E-01	3.11E+01	5.76E-01	3.23E-04	4.69E-01	4.77E-02	1.09E+00
2469	497056.82	3859264.83	4.64E-01	2.66E-04	5.12E-01	4.74E-02	1.02E+00	6.14E-01	2.55E+01	5.12E+00	2.42E-01	3.15E+01	5.95E-01	3.22E-04	5.12E-01	4.74E-02	1.16E+00
2470	497156.82	3859264.83	4.76E-01	2.66E-04	5.50E-01	4.71E-02	1.07E+00	6.28E-01	2.55E+01	5.50E+00	2.41E-01	3.18E+01	6.10E-01	3.22E-04	5.50E-01	4.71E-02	1.21E+00
2471	497256.82	3859264.83	4.99E-01	2.65E-04	6.20E-01	5.11E-02	1.17E+00	6.59E-01	2.55E+01	6.20E+00	2.61E-01	3.26E+01	6.40E-01	3.22E-04	6.20E-01	5.11E-02	1.31E+00
2472	497088.92	3858620.93	3.21E-01	3.78E-04	2.46E-01	4.75E-02	6.14E-01	4.24E-01	3.62E+01	2.46E+00	2.43E-01	3.93E+01	4.11E-01	4.58E-04	2.46E-01	4.75E-02	7.05E-01
2473	497138.92	3858620.93	3.20E-01	3.77E-04	2.45E-01	4.75E-02	6.13E-01	4.22E-01	3.62E+01	2.45E+00	2.43E-01	3.93E+01	4.10E-01	4.57E-04	2.45E-01	4.75E-02	7.03E-01
2474	497188.92	3858620.93	3.19E-01	3.77E-04	2.45E-01	4.75E-02	6.11E-01	4.21E-01	3.61E+01	2.45E+00	2.43E-01	3.93E+01	4.08E-01	4.57E-04	2.45E-01	4.75E-02	7.01E-01
2475	497238.92	3858620.93	3.18E-01	3.76E-04	2.44E-01	4.74E-02	6.09E-01	4.19E-01	3.61E+01	2.44E+00	2.42E-01	3.92E+01	4.07E-01	4.56E-04	2.44E-01	4.74E-02	6.99E-01
2476	497088.92	3858670.93	3.23E-01	3.77E-04	2.41E-01	4.79E-02	6.13E-01	4.27E-01	3.62E+01	2.41E+00	2.45E-01	3.92E+01	4.15E-01	4.57E-04	2.41E-01	4.79E-02	7.04E-01
2477	497138.92	3858670.93	3.23E-01	3.76E-04	2.40E-01	4.78E-02	6.11E-01	4.26E-01	3.61E+01	2.40E+00	2.44E-01	3.92E+01	4.14E-01	4.56E-04	2.40E-01	4.78E-02	7.03E-01
2478	497188.92	3858670.93	3.22E-01	3.76E-04	2.40E-01	4.78E-02	6.10E-01	4.25E-01	3.61E+01	2.40E+00	2.44E-01	3.91E+01	4.13E-01	4.55E-04	2.40E-01	4.78E-02	7.01E-01
2479	497238.92	3858670.93	3.21E-01	3.75E-04	2.39E-01	4.77E-02	6.09E-01	4.24E-01	3.60E+01	2.39E+00	2.44E-01	3.91E+01	4.12E-01	4.55E-04	2.39E-01	4.77E-02	6.99E-01
2480	497088.92	3858720.93	5.42E-01	3.74E-04	2.35E-01	4.81E-02	8.25E-01	7.16E-01	3.59E+01	2.35E+00	2.46E-01	3.92E+01	6.95E-01	4.53E-04	2.35E-01	4.81E-02	9.78E-01
2481	497138.92	3858720.93	3.25E-01	3.73E-04	2.35E-01	4.82E-02	6.08E-01	4.29E-01	3.58E+01	2.35E+00	2.46E-01	3.88E+01	4.17E-01	4.52E-04	2.35E-01	4.82E-02	7.00E-01
2482	497188.92	3858720.93	3.24E-01	3.73E-04	2.34E-01	4.81E-02	6.07E-01	4.28E-01	3.57E+01	2.34E+00	2.46E-01	3.88E+01	4.16E-01	4.51E-04	2.34E-01	4.81E-02	6.99E-01
2483	497238.92	3858720.93	5.50E-01	3.72E-04	2.34E-01	4.80E-02	8.32E-01	7.27E-01	3.57E+01	2.34E+00	2.45E-01	3.90E+01	7.05E-01	4.51E-04	2.34E-01	4.80E-02	9.88E-01
2484	497088.92	3858770.93	5.23E-01	3.69E-04	2.28E-01	4.84E-02	7.99E-01	6.91E-01	3.54E+01	2.28E+00	2.47E-01	3.86E+01	6.70E-01	4.47E-04	2.28E-01	4.84E-02	9.47E-01
2485	497138.92	3858770.93	5.26E-01	3.68E-04	2.28E-01	4.83E-02	8.03E-01	6.95E-01	3.53E+01	2.28E+00	2.47E-01	3.85E+01	6.75E-01	4.46E-04	2.28E-01	4.83E-02	9.51E-01
2486	497188.92	3858770.93	5.30E-01	3.67E-04	2.27E-01	4.82E-02	8.06E-01	7.00E-01	3.52E+01	2.27E+00	2.46E-01	3.84E+01	6.79E-01	4.45E-04	2.27E-01	4.82E-02	9.55E-01
2487	497238.92	3858770.93	5.33E-01	3.67E-04	2.27E-01	4.82E-02	8.09E-01	7.04E-01	3.52E+01	2.27E+00	2.46E-01	3.84E+01	6.83E-01	4.44E-04	2.27E-01	4.82E-02	9.59E-01
2488	497396.65	3858622.63	5.81E-01	3.75E-04	2.41E-01	4.71E-02	8.69E-01	7.67E-01	3.60E+01	2.41E+00	2.40E-01	3.94E+01	7.44E-01	4.54E-04	2.41E-01	4.71E-02	1.03E+00
2489	497496.65	3858622.63	5.84E-01	3.74E-04	2.39E-01	4.68E-02	8.70E-01	7.71E-01	3.59E+01	2.39E+00	2.39E-01	3.93E+01	7.48E-01	4.53E-04	2.39E-01	4.68E-02	1.03E+00
2490	497596.65	3858622.63	5.87E-01	3.73E-04	2.48E-01	4.65E-02	8.82E-01	7.75E-01	3.58E+01	2.48E+00	2.38E-01	3.93E+01	7.53E-01	4.52E-04	2.48E-01	4.65E-02	1.05E+00
2491	497696.65	3858622.63	5.89E-01	3.72E-04	2.77E-01	4.64E-02	9.12E-01	7.78E-01	3.57E+01	2.77E+00	2.37E-01	3.95E+01	7.55E-01	4.51E-04	2.77E-01	4.64E-02	1.08E+00
2492	497796.65	3858622.63	5.91E-01	3.71E-04	2.96E-01	4.62E-02	9.34E-01	7.81E-01	3.56E+01	2.96E+00	2.36E-01	3.96E+01	7.58E-01	4.50E-04	2.96E-01	4.62E-02	1.10E+00
2493	497896.65	3858622.63	5.93E-01	3.70E-04	3.43E-01	4.60E-02	9.82E-01	7.83E-01	3.55E+01	3.43E+00	2.35E-01	4.00E+01	7.60E-01	4.49E-04	3.43E-01	4.60E-02	1.15E+00
2494	497396.65	3858722.63	5.59E-01	3.70E-04	2.32E-01	4.75E-02	8.38E-01	7.38E-01	3.55E+01	2.32E+00	2.43E-01	3.88E+01	7.16E-01	4.48E-04	2.32E-01	4.75E-02	9.96E-01
2495	497496.65	3858722.63	5.64E-01	3.69E-04	2.46E-01	4.73E-02	8.58E-01	7.45E-01	3.54E+01	2.46E+00	2.42E-01	3.88E+01	7.23E-01	4.47E-04	2.46E-01	4.73E-02	1.02E+00
2496	497596.65	3858722.63	5.69E-01	3.67E-04	2.98E-01	4.70E-02	9.15E-01	7.52E-01	3.52E+01	2.98E+00	2.40E-01	3.92E+01	7.30E-01	4.45E-04	2.98E-01	4.70E-02	1.08E+00
2497	497696.65	3858722.63	5.74E-01	3.66E-04	3.36E-01	4.68E-02	9.57E-01	7.58E-01	3.51E+01	3.36E+00	2.39E-01	3.95E+01	7.35E-01	4.43E-04	3.36E-01	4.68E-02	1.12E+00

2498	497796.65	3858722.63	5.77E-01	3.65E-04	3.69E-01	4.66E-02	9.93E-01	7.63E-01	3.50E+01	3.69E+00	2.38E-01	3.97E+01	7.40E-01	4.42E-04	3.69E-01	4.66E-02	1.16E+00
2499	497896.65	3858722.63	5.81E-01	3.64E-04	4.23E-01	4.63E-02	1.05E+00	7.67E-01	3.49E+01	4.23E+00	2.37E-01	4.01E+01	7.45E-01	4.40E-04	4.23E-01	4.63E-02	1.21E+00
2500	497396.65	3858822.63	5.25E-01	3.57E-04	2.88E-01	4.78E-02	8.61E-01	6.93E-01	3.42E+01	2.88E+00	2.44E-01	3.80E+01	6.73E-01	4.32E-04	2.88E-01	4.78E-02	1.01E+00
2501	497496.65	3858822.63	5.32E-01	3.55E-04	3.13E-01	4.76E-02	8.93E-01	7.03E-01	3.41E+01	3.13E+00	2.43E-01	3.81E+01	6.82E-01	4.30E-04	3.13E-01	4.76E-02	1.04E+00
2502	497596.65	3858822.63	5.40E-01	3.54E-04	4.60E-01	4.72E-02	1.05E+00	7.13E-01	3.39E+01	4.60E+00	2.41E-01	3.95E+01	6.92E-01	4.28E-04	4.60E-01	4.72E-02	1.20E+00
2503	497696.65	3858822.63	5.46E-01	3.52E-04	4.51E-01	4.70E-02	1.04E+00	7.22E-01	3.38E+01	4.51E+00	2.40E-01	3.92E+01	7.00E-01	4.27E-04	4.51E-01	4.70E-02	1.20E+00
2504	497796.65	3858822.63	5.52E-01	3.51E-04	5.28E-01	4.68E-02	1.13E+00	7.30E-01	3.36E+01	5.28E+00	2.39E-01	3.99E+01	7.08E-01	4.25E-04	5.28E-01	4.68E-02	1.28E+00
2505	497896.65	3858822.63	5.58E-01	3.49E-04	5.74E-01	4.65E-02	1.18E+00	7.38E-01	3.35E+01	5.74E+00	2.38E-01	4.02E+01	7.16E-01	4.23E-04	5.74E-01	4.65E-02	1.34E+00
2506	497396.65	3858922.63	4.78E-01	3.37E-04	3.65E-01	4.79E-02	8.92E-01	6.32E-01	3.23E+01	3.65E+00	2.45E-01	3.68E+01	6.13E-01	4.08E-04	3.65E-01	4.79E-02	1.03E+00
2507	497496.65	3858922.63	4.89E-01	3.36E-04	4.62E-01	4.76E-02	9.99E-01	6.46E-01	3.22E+01	4.62E+00	2.43E-01	3.77E+01	6.26E-01	4.07E-04	4.62E-01	4.76E-02	1.14E+00
2508	497596.65	3858922.63	4.97E-01	3.34E-04	4.73E-01	4.74E-02	1.02E+00	6.57E-01	3.20E+01	4.73E+00	2.42E-01	3.77E+01	6.38E-01	4.05E-04	4.73E-01	4.74E-02	1.16E+00
2509	497696.65	3858922.63	5.07E-01	3.33E-04	6.72E-01	4.70E-02	1.23E+00	6.70E-01	3.19E+01	6.72E+00	2.40E-01	3.95E+01	6.51E-01	4.03E-04	6.72E-01	4.70E-02	1.37E+00
2510	497796.65	3858922.63	5.16E-01	3.31E-04	6.80E-01	4.67E-02	1.24E+00	6.81E-01	3.18E+01	6.80E+00	2.39E-01	3.95E+01	6.61E-01	4.02E-04	6.80E-01	4.67E-02	1.39E+00
2511	497896.65	3858922.63	5.44E-01	3.30E-04	8.59E-01	5.31E-02	1.46E+00	7.18E-01	3.17E+01	8.59E+00	2.71E-01	4.12E+01	6.97E-01	4.00E-04	8.59E-01	5.31E-02	1.61E+00
2512	497364.44	3858201.52	2.86E-01	3.13E-04	2.04E-01	4.34E-02	5.34E-01	3.78E-01	3.01E+01	2.04E+00	2.22E-01	3.27E+01	3.67E-01	3.80E-04	2.04E-01	4.34E-02	6.15E-01
2513	497414.44	3858201.52	2.85E-01	3.14E-04	2.03E-01	4.33E-02	5.32E-01	3.76E-01	3.01E+01	2.03E+00	2.21E-01	3.27E+01	3.65E-01	3.80E-04	2.03E-01	4.33E-02	6.12E-01
2514	497464.44	3858201.52	2.84E-01	3.15E-04	2.02E-01	4.33E-02	5.29E-01	3.75E-01	3.02E+01	2.02E+00	2.21E-01	3.28E+01	3.64E-01	3.81E-04	2.02E-01	4.33E-02	6.09E-01
2515	497514.44	3858201.52	2.82E-01	3.15E-04	2.01E-01	4.33E-02	5.27E-01	3.73E-01	3.02E+01	2.01E+00	2.21E-01	3.28E+01	3.62E-01	3.82E-04	2.01E-01	4.33E-02	6.07E-01
2516	497564.44	3858201.52	2.81E-01	3.16E-04	2.01E-01	4.33E-02	5.25E-01	3.71E-01	3.03E+01	2.01E+00	2.21E-01	3.29E+01	3.60E-01	3.82E-04	2.01E-01	4.33E-02	6.05E-01
2517	497614.44	3858201.52	2.80E-01	3.16E-04	2.00E-01	4.33E-02	5.23E-01	3.69E-01	3.03E+01	2.00E+00	2.21E-01	3.29E+01	3.58E-01	3.83E-04	2.00E-01	4.33E-02	6.02E-01
2518	497364.44	3858251.52	2.90E-01	3.26E-04	1.98E-01	4.39E-02	5.32E-01	3.84E-01	3.12E+01	1.98E+00	2.24E-01	3.38E+01	3.72E-01	3.94E-04	1.98E-01	4.39E-02	6.14E-01
2519	497414.44	3858251.52	2.90E-01	3.26E-04	1.97E-01	4.38E-02	5.30E-01	3.82E-01	3.13E+01	1.97E+00	2.24E-01	3.38E+01	3.71E-01	3.95E-04	1.97E-01	4.38E-02	6.12E-01
2520	497464.44	3858251.52	2.88E-01	3.27E-04	1.96E-01	4.38E-02	5.29E-01	3.81E-01	3.13E+01	1.96E+00	2.24E-01	3.39E+01	3.70E-01	3.96E-04	1.96E-01	4.38E-02	6.10E-01
2521	497514.44	3858251.52	2.87E-01	3.27E-04	1.95E-01	4.39E-02	5.27E-01	3.80E-01	3.14E+01	1.95E+00	2.24E-01	3.39E+01	3.68E-01	3.96E-04	1.95E-01	4.39E-02	6.08E-01
2522	497564.44	3858251.52	2.86E-01	3.27E-04	1.95E-01	4.38E-02	5.25E-01	3.78E-01	3.14E+01	1.95E+00	2.24E-01	3.39E+01	3.67E-01	3.97E-04	1.95E-01	4.38E-02	6.06E-01
2523	497614.44	3858251.52	2.85E-01	3.28E-04	1.94E-01	4.38E-02	5.23E-01	3.77E-01	3.14E+01	1.94E+00	2.24E-01	3.40E+01	3.66E-01	3.97E-04	1.94E-01	4.38E-02	6.04E-01
2524	497364.44	3858301.52	2.94E-01	3.37E-04	1.91E-01	4.44E-02	5.29E-01	3.88E-01	3.23E+01	1.91E+00	2.27E-01	3.48E+01	3.77E-01	4.08E-04	1.91E-01	4.44E-02	6.12E-01
2525	497414.44	3858301.52	2.93E-01	3.37E-04	1.90E-01	4.44E-02	5.28E-01	3.87E-01	3.24E+01	1.90E+00	2.27E-01	3.49E+01	3.76E-01	4.09E-04	1.90E-01	4.44E-02	6.10E-01
2526	497464.44	3858301.52	2.92E-01	3.38E-04	1.89E-01	4.44E-02	5.26E-01	3.86E-01	3.24E+01	1.89E+00	2.27E-01	3.49E+01	3.75E-01	4.09E-04	1.89E-01	4.44E-02	6.09E-01
2527	497514.44	3858301.52	2.91E-01	3.38E-04	1.89E-01	4.44E-02	5.25E-01	3.85E-01	3.24E+01	1.89E+00	2.27E-01	3.49E+01	3.74E-01	4.10E-04	1.89E-01	4.44E-02	6.07E-01
2528	497564.44	3858301.52	2.91E-01	3.38E-04	1.88E-01	4.44E-02	5.23E-01	3.84E-01	3.25E+01	1.88E+00	2.27E-01	3.49E+01	3.72E-01	4.10E-04	1.88E-01	4.44E-02	6.06E-01
2529	497614.44	3858301.52	2.90E-01	3.39E-04	1.88E-01	4.44E-02	5.22E-01	3.83E-01	3.25E+01	1.88E+00	2.27E-01	3.50E+01	3.71E-01	4.10E-04	1.88E-01	4.44E-02	6.04E-01
2530	497364.44	3858351.52	2.96E-01	3.47E-04	2.02E-01	4.49E-02	5.43E-01	3.91E-01	3.33E+01	2.02E+00	2.29E-01	3.60E+01	3.80E-01	4.21E-04	2.02E-01	4.49E-02	6.27E-01
2531	497414.44	3858351.52	2.96E-01	3.48E-04	1.85E-01	4.49E-02	5.26E-01	3.90E-01	3.33E+01	1.85E+00	2.29E-01	3.58E+01	3.79E-01	4.21E-04	1.85E-01	4.49E-02	6.10E-01
2532	497464.44	3858351.52	2.95E-01	3.48E-04	1.92E-01	4.49E-02	5.33E-01	3.90E-01	3.34E+01	1.92E+00	2.29E-01	3.59E+01	3.78E-01	4.21E-04	1.92E-01	4.49E-02	6.16E-01
2533	497514.44	3858351.52	2.94E-01	3.48E-04	1.82E-01	4.49E-02	5.22E-01	3.89E-01	3.34E+01	1.82E+00	2.29E-01	3.58E+01	3.77E-01	4.22E-04	1.82E-01	4.49E-02	6.05E-01
2534	497564.44	3858351.52	2.94E-01	3.48E-04	1.82E-01	4.49E-02	5.21E-01	3.88E-01	3.34E+01	1.82E+00	2.29E-01	3.58E+01	3.77E-01	4.22E-04	1.82E-01	4.49E-02	6.03E-01
2535	497614.44	3858351.52	2.93E-01	3.49E-04	1.81E-01	4.48E-02	5.19E-01	3.87E-01	3.34E+01	1.81E+00	2.29E-01	3.59E+01	3.76E-01	4.22E-04	1.81E-01	4.48E-02	6.02E-01
2536	497364.44	3858401.52	2.97E-01	3.56E-04	2.36E-01	4.54E-02	5.79E-01	3.93E-01	3.42E+01	2.36E+00	2.32E-01	3.72E+01	3.81E-01	4.32E-04	2.36E-01	4.54E-02	6.63E-01
2537	497414.44	3858401.52	2.97E-01	3.57E-04	2.11E-01	4.54E-02	5.54E-01	3.92E-01	3.42E+01	2.11E+00	2.32E-01	3.69E+01	3.81E-01	4.32E-04	2.11E-01	4.54E-02	6.38E-01
2538	497464.44	3858401.52	2.97E-01	3.57E-04	2.03E-01	4.54E-02	5.45E-01	3.92E-01	3.42E+01	2.03E+00	2.32E-01	3.69E+01	3.80E-01	4.32E-04	2.03E-01	4.54E-02	6.29E-01
2539	497514.44	3858401.52	2.96E-01	3.57E-04	1.94E-01	4.53E-02	5.36E-01	3.91E-01	3.42E+01	1.94E+00	2.32E-01	3.68E+01	3.80E-01	4.32E-04	1.94E-01	4.53E-02	6.20E-01
2540	497564.44	3858401.52	2.96E-01	3.57E-04	2.40E-01	4.53E-02	5.81E-01	3.91E-01	3.42E+01	2.40E+00	2.31E-01	3.73E+01	3.79E-01	4.32E-04	2.40E-01	4.53E-02	6.65E-01
2541	497614.44	3858401.52	2.95E-01	3.57E-04	2.39E-01	4.52E-02	5.79E-01	3.90E-01	3.42E+01	2.39E+00	2.31E-01	3.73E+01	3.79E-01	4.33E-04	2.39E-01	4.52E-02	6.63E-01
2542	493478.11	3860497.94	1.13E+00	7.93E-04	3.30E-01	5.14E-02	1.51E+00	1.49E+00	7.61E+01	3.30E+00	2.63E-01	8.11E+01	1.45E+00	9.61E-04	3.30E-01	5.14E-02	1.83E+00
2543	493528.11	3860497.94	1.11E+00	7.89E-04	3.24E-01	5.12E-02	1.48E+00	1.46E+00	7.57E+01	3.24E+00	2.62E-01	8.07E+01	1.42E+00	9.56E-04	3.24E-01	5.12E-02	1.79E+00
2544	493478.11	3860547.94	1.14E+00	7.74E-04	3.34E-01	5.19E-02	1.53E+00	1.51E+00	7.43E+01	3.34E+00	2.65E-01	7.94E+01	1.47E+00	9.38E-04	3.34E-01	5.19E-02	1.85E+00
2545	493528.11	3860547.94	1.13E+00	7.58E-04	3.29E-01	5.17E-02	1.51E+00	1.49E+00	7.27E+01	3.29E+00	2.64E-01	7.77E+01	1.44E+00	9.18E-04	3.29E-01	5.17E-02	1.82E+00
2546	493478.11	3860597.94	1.15E+00	7.73E-04	3.36E-01	5.22E-02	1.54E+00	1.52E+00	7.41E+01	3.36E+00	2.66E-01	7.92E+01	1.47E+00	9.36E-04	3.36E-01	5.22E-02	1.86E+00
2547	493528.11	3860597.94	1.14E+00	7.64E-04	3.32E-01	5.20E-02	1.52E+00	1.50E+00	7.32E+01	3.32E+00	2.66E-01	7.83E+01	1.46E+00	9.25E-04	3.32E-01	5.20E-02	1.84E+00
2548	493561.88	3860524.64	1.10E+00	7.79E-04	3.23E-01	5.13E-02	1.48E+00	1.45E+00	7.47E+01	3.23E+00	2.62E-01	7.96E+01	1.41E+00	9.43E-04	3.23E-01	5.13E-02	1.79E+00
2549	493591.88	3860524.64	1.09E+00	7.78E-04	3.20E-01	5.12E-02	1.46E+00	1.44E+00	7.46E+01	3.20E+00	2.61E-01	7.95E+01	1.39E+00	9.43E-04	3.20E-01	5.12E-02	1.77E+00
2550	493561.88	3860554.64	1.11E+00	7.55E-04	3.26E-01	5.16E-02	1.49E+00	1.47E+00	7.24E+01	3.26E+00	2.64E-01	7.74E+01	1.43E+00	9.14E-04	3.26E-01	5.16E-02	1.81E+00
2551	493591.88	3860554.64	1.10E+00	7.68E-04	3.24E-01	5.14E-02	1.48E+00	1.46E+00	7.36E+01	3.24E+00	2.63E-01	7.86E+01	1.41E+00	9.30E-04	3.24E-01	5.14E-02	1.79E+00
2552	492880.5	3860293.11	1.28E+00	8.74E-04	3.65E-01	5.20E-02	1.69E+00	1.69E+00	8.38E+01	3.65E+00	2.66E-01	8.94E+01	1.64E+00	1.06E-03	3.65E-01	5.20E-02	2.05E+00
2553	492930.5	3860293.11	1.27E+00	8.71E-04	3.62E-01	5.16E-02	1.69E+00	1.68E+00	8.35E+01	3.62E+00	2.64E-01	8.91E+01	1.63E+00	1.06E-03	3.62E-01	5.16E-02	2.04E+00
2554	492980.5	3860293.11	1.26E+00	8.67E-04	3.58E-01	5.13E-02	1.67E+00	1.67E+00	8.31E+01	3.58E+00	2.62E-01	8.86E+01	1.62E+00	1.05E-03	3.58E-01	5.13E-02	2.03E+00
2555	493030.5	3860293.11	1.26E+00	8.60E-04	3.54E-01	5.08E-02	1.66E+00	1.66E+00	8.24E+01	3.54E+00	2.60E-01	8.79E+01	1.61E+00	1.04E-03	3.54E-01	5.08E-02	2.02E+00
2556	493080.5	3860293.11	1.25E+00	8.40E-04	3.46E-01	5.03E-02	1.64E+00	1.65E+00	8.05E+01	3.46E+00	2.57E-01	8.59E+01	1.60E+00	1.02E-03	3.46E-01	5.03E-02	2.00E+00
2557	493130.5	3860293.11	1.22E+00	8.42E-04	3.40E-01	5.01E-02	1.61E+00	1.61E+00	8.08E+01	3.40E+00	2.56E-01	8.60E+01	1.56E+00	1.02E-03	3.40E-01	5.01E-02	1.95E+00
2558	493180.5	3860293.11	1.18E+00	8.38E-04	3.42E-01	4.99E-02	1.57E+00	1.56E+00	8.03E+01	3.42E+00	2.55E-01	8.56E+01	1.51E+00	1.01E-03	3.42E-01	4.99E-02	1.91E+00

2559	493230.5	3860293.11	1.16E+00	8.30E-04	3.57E-01	4.97E-02	1.56E+00	1.53E+00	7.96E+01	3.57E+00	2.54E-01	8.49E+01	1.48E+00	1.00E-03	3.57E-01	4.97E-02	1.89E+00
2560	493280.5	3860293.11	1.17E+00	8.19E-04	3.60E-01	4.93E-02	1.58E+00	1.55E+00	7.85E+01	3.60E+00	2.52E-01	8.39E+01	1.50E+00	9.92E-04	3.60E-01	4.93E-02	1.91E+00
2561	493330.5	3860293.11	1.18E+00	8.09E-04	3.67E-01	4.90E-02	1.60E+00	1.56E+00	7.75E+01	3.67E+00	2.50E-01	8.30E+01	1.51E+00	9.80E-04	3.67E-01	4.90E-02	1.93E+00
2562	493380.5	3860293.11	1.18E+00	7.99E-04	3.75E-01	4.87E-02	1.61E+00	1.56E+00	7.66E+01	3.75E+00	2.49E-01	8.21E+01	1.52E+00	9.67E-04	3.75E-01	4.87E-02	1.94E+00
2563	492880.5	3860343.11	1.25E+00	8.64E-04	3.64E-01	5.29E-02	1.67E+00	1.66E+00	8.29E+01	3.64E+00	2.70E-01	8.85E+01	1.61E+00	1.05E-03	3.64E-01	5.29E-02	2.03E+00
2564	492930.5	3860343.11	1.26E+00	8.62E-04	3.62E-01	5.25E-02	1.67E+00	1.66E+00	8.27E+01	3.62E+00	2.68E-01	8.82E+01	1.61E+00	1.04E-03	3.62E-01	5.25E-02	2.03E+00
2565	492980.5	3860343.11	1.27E+00	8.66E-04	3.65E-01	5.20E-02	1.69E+00	1.67E+00	8.31E+01	3.65E+00	2.66E-01	8.86E+01	1.63E+00	1.05E-03	3.65E-01	5.20E-02	2.04E+00
2566	493030.5	3860343.11	1.26E+00	8.61E-04	3.61E-01	5.17E-02	1.67E+00	1.66E+00	8.26E+01	3.61E+00	2.64E-01	8.81E+01	1.61E+00	1.04E-03	3.61E-01	5.17E-02	2.03E+00
2567	493080.5	3860343.11	1.26E+00	8.53E-04	3.56E-01	5.13E-02	1.66E+00	1.66E+00	8.18E+01	3.56E+00	2.62E-01	8.73E+01	1.61E+00	1.03E-03	3.56E-01	5.13E-02	2.02E+00
2568	493130.5	3860343.11	1.24E+00	8.49E-04	3.50E-01	5.10E-02	1.64E+00	1.63E+00	8.14E+01	3.50E+00	2.61E-01	8.68E+01	1.58E+00	1.03E-03	3.50E-01	5.10E-02	1.99E+00
2569	493180.5	3860343.11	1.21E+00	8.43E-04	3.45E-01	5.09E-02	1.60E+00	1.59E+00	8.09E+01	3.45E+00	2.60E-01	8.62E+01	1.55E+00	1.02E-03	3.45E-01	5.09E-02	1.94E+00
2570	493230.5	3860343.11	1.18E+00	8.37E-04	3.38E-01	5.06E-02	1.57E+00	1.56E+00	8.02E+01	3.38E+00	2.58E-01	8.54E+01	1.51E+00	1.01E-03	3.38E-01	5.06E-02	1.90E+00
2571	493280.5	3860343.11	1.16E+00	8.30E-04	3.37E-01	5.02E-02	1.55E+00	1.53E+00	7.96E+01	3.37E+00	2.57E-01	8.48E+01	1.48E+00	1.01E-03	3.37E-01	5.02E-02	1.87E+00
2572	493330.5	3860343.11	1.14E+00	8.22E-04	3.44E-01	4.99E-02	1.54E+00	1.51E+00	7.88E+01	3.44E+00	2.55E-01	8.40E+01	1.47E+00	9.95E-04	3.44E-01	4.99E-02	1.86E+00
2573	493380.5	3860343.11	1.15E+00	8.14E-04	3.55E-01	4.96E-02	1.56E+00	1.53E+00	7.81E+01	3.55E+00	2.53E-01	8.34E+01	1.48E+00	9.86E-04	3.55E-01	4.96E-02	1.89E+00
2574	492880.5	3860393.11	1.22E+00	8.36E-04	3.60E-01	5.36E-02	1.63E+00	1.61E+00	8.01E+01	3.60E+00	2.74E-01	8.56E+01	1.56E+00	1.01E-03	3.60E-01	5.36E-02	1.98E+00
2575	492930.5	3860393.11	1.23E+00	8.47E-04	3.61E-01	5.32E-02	1.65E+00	1.63E+00	8.12E+01	3.61E+00	2.72E-01	8.67E+01	1.58E+00	1.03E-03	3.61E-01	5.32E-02	1.99E+00
2576	492980.5	3860393.11	1.24E+00	8.50E-04	3.62E-01	5.29E-02	1.66E+00	1.64E+00	8.15E+01	3.62E+00	2.70E-01	8.71E+01	1.59E+00	1.03E-03	3.62E-01	5.29E-02	2.01E+00
2577	493030.5	3860393.11	1.25E+00	8.51E-04	3.61E-01	5.25E-02	1.66E+00	1.65E+00	8.16E+01	3.61E+00	2.68E-01	8.71E+01	1.60E+00	1.03E-03	3.61E-01	5.25E-02	2.01E+00
2578	493080.5	3860393.11	1.25E+00	8.50E-04	3.62E-01	5.21E-02	1.67E+00	1.66E+00	8.15E+01	3.62E+00	2.66E-01	8.71E+01	1.61E+00	1.03E-03	3.62E-01	5.21E-02	2.02E+00
2579	493130.5	3860393.11	1.24E+00	8.46E-04	3.57E-01	5.19E-02	1.65E+00	1.64E+00	8.11E+01	3.57E+00	2.65E-01	8.66E+01	1.59E+00	1.02E-03	3.57E-01	5.19E-02	2.00E+00
2580	493180.5	3860393.11	1.22E+00	8.38E-04	3.50E-01	5.17E-02	1.62E+00	1.61E+00	8.04E+01	3.50E+00	2.64E-01	8.58E+01	1.56E+00	1.02E-03	3.50E-01	5.17E-02	1.96E+00
2581	493230.5	3860393.11	1.20E+00	8.34E-04	3.45E-01	5.14E-02	1.60E+00	1.59E+00	8.00E+01	3.45E+00	2.63E-01	8.53E+01	1.54E+00	1.01E-03	3.45E-01	5.14E-02	1.94E+00
2582	493280.5	3860393.11	1.18E+00	8.32E-04	3.41E-01	5.10E-02	1.58E+00	1.56E+00	7.97E+01	3.41E+00	2.61E-01	8.50E+01	1.52E+00	1.01E-03	3.41E-01	5.10E-02	1.91E+00
2583	493330.5	3860393.11	1.16E+00	8.26E-04	3.35E-01	5.07E-02	1.55E+00	1.54E+00	7.92E+01	3.35E+00	2.59E-01	8.44E+01	1.49E+00	1.00E-03	3.35E-01	5.07E-02	1.88E+00
2584	493380.5	3860393.11	1.14E+00	8.20E-04	3.31E-01	5.04E-02	1.52E+00	1.50E+00	7.87E+01	3.31E+00	2.58E-01	8.37E+01	1.46E+00	9.94E-04	3.31E-01	5.04E-02	1.84E+00
2585	492880.5	3860443.11	1.17E+00	8.47E-04	3.53E-01	5.41E-02	1.58E+00	1.55E+00	8.12E+01	3.53E+00	2.77E-01	8.66E+01	1.50E+00	1.03E-03	3.53E-01	5.41E-02	1.91E+00
2586	492930.5	3860443.11	1.19E+00	8.37E-04	3.54E-01	5.39E-02	1.60E+00	1.57E+00	8.02E+01	3.54E+00	2.75E-01	8.56E+01	1.53E+00	1.01E-03	3.54E-01	5.39E-02	1.93E+00
2587	492980.5	3860443.11	1.21E+00	8.25E-04	3.56E-01	5.35E-02	1.62E+00	1.60E+00	7.92E+01	3.56E+00	2.73E-01	8.46E+01	1.55E+00	1.00E-03	3.56E-01	5.35E-02	1.96E+00
2588	493030.5	3860443.11	1.22E+00	8.30E-04	3.58E-01	5.32E-02	1.63E+00	1.61E+00	7.96E+01	3.58E+00	2.72E-01	8.50E+01	1.57E+00	1.01E-03	3.58E-01	5.32E-02	1.98E+00
2589	493080.5	3860443.11	1.23E+00	8.29E-04	3.57E-01	5.29E-02	1.64E+00	1.62E+00	7.95E+01	3.57E+00	2.70E-01	8.50E+01	1.57E+00	1.00E-03	3.57E-01	5.29E-02	1.98E+00
2590	493130.5	3860443.11	1.22E+00	8.28E-04	3.56E-01	5.26E-02	1.63E+00	1.62E+00	7.94E+01	3.56E+00	2.69E-01	8.49E+01	1.57E+00	1.00E-03	3.56E-01	5.26E-02	1.98E+00
2591	493180.5	3860443.11	1.21E+00	8.22E-04	3.50E-01	5.24E-02	1.62E+00	1.60E+00	7.88E+01	3.50E+00	2.68E-01	8.42E+01	1.55E+00	9.95E-04	3.50E-01	5.24E-02	1.96E+00
2592	493230.5	3860443.11	1.21E+00	8.24E-04	3.49E-01	5.21E-02	1.61E+00	1.60E+00	7.90E+01	3.49E+00	2.66E-01	8.44E+01	1.55E+00	9.98E-04	3.49E-01	5.21E-02	1.95E+00
2593	493280.5	3860443.11	1.20E+00	8.23E-04	3.46E-01	5.17E-02	1.60E+00	1.58E+00	7.89E+01	3.46E+00	2.64E-01	8.42E+01	1.54E+00	9.97E-04	3.46E-01	5.17E-02	1.93E+00
2594	493330.5	3860443.11	1.18E+00	8.22E-04	3.44E-01	5.14E-02	1.58E+00	1.57E+00	7.88E+01	3.44E+00	2.63E-01	8.41E+01	1.52E+00	9.96E-04	3.44E-01	5.14E-02	1.91E+00
2595	493380.5	3860443.11	1.16E+00	8.17E-04	3.38E-01	5.12E-02	1.55E+00	1.53E+00	7.84E+01	3.38E+00	2.61E-01	8.36E+01	1.49E+00	9.90E-04	3.38E-01	5.12E-02	1.88E+00
2596	493180.5	3860493.11	1.20E+00	8.09E-04	3.50E-01	5.29E-02	1.61E+00	1.59E+00	7.76E+01	3.50E+00	2.70E-01	8.29E+01	1.54E+00	9.80E-04	3.50E-01	5.29E-02	1.94E+00
2597	493230.5	3860493.11	1.20E+00	8.05E-04	3.50E-01	5.26E-02	1.60E+00	1.59E+00	7.72E+01	3.50E+00	2.69E-01	8.25E+01	1.54E+00	9.75E-04	3.50E-01	5.26E-02	1.94E+00
2598	493280.5	3860493.11	1.20E+00	8.06E-04	3.49E-01	5.23E-02	1.60E+00	1.58E+00	7.73E+01	3.49E+00	2.67E-01	8.27E+01	1.54E+00	9.77E-04	3.49E-01	5.23E-02	1.94E+00
2599	493330.5	3860493.11	1.19E+00	8.06E-04	3.46E-01	5.20E-02	1.59E+00	1.57E+00	7.73E+01	3.46E+00	2.66E-01	8.26E+01	1.53E+00	9.77E-04	3.46E-01	5.20E-02	1.92E+00
2600	493380.5	3860493.11	1.17E+00	8.03E-04	3.41E-01	5.18E-02	1.57E+00	1.55E+00	7.70E+01	3.41E+00	2.65E-01	8.23E+01	1.50E+00	9.73E-04	3.41E-01	5.18E-02	1.90E+00
2601	493330.5	3860543.11	1.19E+00	7.98E-04	3.46E-01	5.24E-02	1.59E+00	1.57E+00	7.65E+01	3.46E+00	2.68E-01	8.18E+01	1.52E+00	9.67E-04	3.46E-01	5.24E-02	1.92E+00
2602	493380.5	3860543.11	1.18E+00	7.87E-04	3.43E-01	5.22E-02	1.57E+00	1.55E+00	7.55E+01	3.43E+00	2.67E-01	8.08E+01	1.51E+00	9.54E-04	3.43E-01	5.22E-02	1.90E+00
2603	494135.94	3860876.85	9.98E-01	7.20E-04	3.03E-01	4.89E-02	1.35E+00	1.32E+00	6.91E+01	3.03E+00	2.50E-01	7.37E+01	1.28E+00	8.73E-04	3.03E-01	4.89E-02	1.63E+00
2604	494185.94	3860876.85	9.78E-01	7.15E-04	2.99E-01	4.88E-02	1.33E+00	1.29E+00	6.86E+01	2.99E+00	2.49E-01	7.31E+01	1.25E+00	8.66E-04	2.99E-01	4.88E-02	1.60E+00
2605	494135.94	3860926.85	1.01E+00	7.20E-04	3.03E-01	4.86E-02	1.36E+00	1.33E+00	6.90E+01	3.03E+00	2.48E-01	7.36E+01	1.29E+00	8.72E-04	3.03E-01	4.86E-02	1.64E+00
2606	494185.94	3860926.85	9.93E-01	7.16E-04	3.01E-01	4.84E-02	1.34E+00	1.31E+00	6.86E+01	3.01E+00	2.47E-01	7.32E+01	1.27E+00	8.67E-04	3.01E-01	4.84E-02	1.62E+00
2607	494135.94	3860976.85	1.01E+00	7.15E-04	3.02E-01	4.94E-02	1.36E+00	1.33E+00	6.86E+01	3.02E+00	2.52E-01	7.32E+01	1.29E+00	8.66E-04	3.02E-01	4.94E-02	1.64E+00
2608	494185.94	3860976.85	9.99E-01	7.12E-04	3.01E-01	4.91E-02	1.35E+00	1.32E+00	6.83E+01	3.01E+00	2.51E-01	7.29E+01	1.28E+00	8.63E-04	3.01E-01	4.91E-02	1.63E+00
2609	494135.94	3861026.85	9.99E-01	7.15E-04	2.98E-01	5.00E-02	1.35E+00	1.32E+00	6.85E+01	2.98E+00	2.56E-01	7.31E+01	1.28E+00	8.66E-04	2.98E-01	5.00E-02	1.63E+00
2610	494185.94	3861026.85	9.96E-01	7.07E-04	2.98E-01	4.98E-02	1.34E+00	1.32E+00	6.78E+01	2.98E+00	2.54E-01	7.23E+01	1.28E+00	8.56E-04	2.98E-01	4.98E-02	1.63E+00
2611	494135.94	3861076.85	9.81E-01	7.23E-04	2.93E-01	5.06E-02	1.33E+00	1.30E+00	6.93E+01	2.93E+00	2.58E-01	7.38E+01	1.26E+00	8.76E-04	2.93E-01	5.06E-02	1.60E+00
2612	494185.94	3861076.85	9.83E-01	7.16E-04	2.94E-01	5.04E-02	1.33E+00	1.30E+00	6.87E+01	2.94E+00	2.57E-01	7.32E+01	1.26E+00	8.68E-04	2.94E-01	5.04E-02	1.61E+00
2613	490360.04	3858710.04	2.11E+00	1.02E-03	4.04E-01	5.44E-02	2.57E+00	2.78E+00	9.77E+01	4.04E+00	2.78E-01	1.05E+02	2.70E+00	1.23E-03	4.04E-01	5.44E-02	3.16E+00
2614	490410.04	3858710.04	2.11E+00	9.90E-04	4.07E-01	5.59E-02	2.57E+00	2.78E+00	9.50E+01	4.07E+00	2.86E-01	1.02E+02	2.70E+00	1.20E-03	4.07E-01	5.59E-02	3.16E+00
2615	490460.04	3858710.04	2.10E+00	9.43E-04	4.13E-01	5.88E-02	2.57E+00	2.77E+00	9.04E+01	4.13E+00	3.00E-01	9.76E+01	2.69E+00	1.14E-03	4.13E-01	5.88E-02	3.16E+00
2616	490510.04	3858710.04	2.08E+00	9.15E-04	4.19E-01	6.17E-02	2.56E+00	2.74E+00	8.77E+01	4.19E+00	3.15E-01	9.50E+01	2.66E+00	1.11E-03	4.19E-01	6.17E-02	3.15E+00
2617	490560.04	3858710.04	2.05E+00	8.93E-04	4.24E-01	6.36E-02	2.54E+00	2.70E+00	8.56E+01	4.24E+00	3.25E-01	9.29E+01	2.62E+00	1.08E-03	4.24E-01	6.36E-02	3.11E+00
2618	490610.04	3858710.04	2.01E+00	8.67E-04	4.28E-01	6.55E-02	2.50E+00	2.65E+00	8.32E+01	4.28E+00	3.35E-01	9.05E+01	2.58E+00	1.05E-03	4.28E-01	6.55E-02	3.07E+00
2619	490660.04	3858710.04	1.96E+00	8.60E-04	4.33E-01	6.53E-02	2.46E+00	2.59E+00	8.25E+01	4.33E+00	3.33E-01	8.98E+01	2.52E+00	1.04E-03	4.33E-01	6.53E-02	3.01E+00

2620	490710.04	3858710.04	1.94E+00	8.23E-04	4.36E-01	6.73E-02	2.44E+00	2.56E+00	7.89E+01	4.36E+00	3.44E-01	8.62E+01	2.48E+00	9.97E-04	4.36E-01	6.73E-02	2.99E+00
2621	490760.04	3858710.04	1.91E+00	7.94E-04	4.38E-01	6.86E-02	2.42E+00	2.52E+00	7.61E+01	4.38E+00	3.50E-01	8.34E+01	2.45E+00	9.61E-04	4.38E-01	6.86E-02	2.96E+00
2622	490810.04	3858710.04	1.88E+00	7.74E-04	4.40E-01	6.96E-02	2.39E+00	2.48E+00	7.43E+01	4.40E+00	3.56E-01	8.15E+01	2.41E+00	9.38E-04	4.40E-01	6.96E-02	2.92E+00
2623	490860.04	3858710.04	1.84E+00	7.75E-04	4.42E-01	7.44E-02	2.36E+00	2.43E+00	7.43E+01	4.42E+00	3.80E-01	8.16E+01	2.36E+00	9.39E-04	4.42E-01	7.44E-02	2.87E+00
2624	490360.04	3858760.04	2.15E+00	1.06E-03	4.08E-01	5.61E-02	2.62E+00	2.84E+00	1.02E+02	4.08E+00	2.87E-01	1.09E+02	2.76E+00	1.29E-03	4.08E-01	5.61E-02	3.22E+00
2625	490410.04	3858760.04	2.09E+00	1.03E-03	4.01E-01	5.76E-02	2.55E+00	2.77E+00	9.83E+01	4.01E+00	2.94E-01	1.05E+02	2.68E+00	1.24E-03	4.01E-01	5.76E-02	3.14E+00
2626	490460.04	3858760.04	2.08E+00	9.81E-04	3.93E-01	6.12E-02	2.53E+00	2.74E+00	9.41E+01	3.93E+00	3.12E-01	1.01E+02	2.66E+00	1.19E-03	3.93E-01	6.12E-02	3.12E+00
2627	490510.04	3858760.04	2.08E+00	9.34E-04	3.84E-01	6.46E-02	2.53E+00	2.74E+00	8.96E+01	3.84E+00	3.30E-01	9.65E+01	2.66E+00	1.13E-03	3.84E-01	6.46E-02	3.11E+00
2628	490560.04	3858760.04	2.06E+00	9.01E-04	3.83E-01	6.64E-02	2.51E+00	2.72E+00	8.64E+01	3.83E+00	3.39E-01	9.33E+01	2.64E+00	1.09E-03	3.83E-01	6.64E-02	3.09E+00
2629	490610.04	3858760.04	2.04E+00	8.65E-04	3.91E-01	6.82E-02	2.50E+00	2.70E+00	8.29E+01	3.91E+00	3.49E-01	8.99E+01	2.62E+00	1.05E-03	3.91E-01	6.82E-02	3.08E+00
2630	490660.04	3858760.04	2.01E+00	8.39E-04	3.97E-01	6.93E-02	2.48E+00	2.66E+00	8.05E+01	3.97E+00	3.54E-01	8.75E+01	2.58E+00	1.02E-03	3.97E-01	6.93E-02	3.04E+00
2631	490710.04	3858760.04	1.97E+00	8.13E-04	4.01E-01	7.03E-02	2.44E+00	2.61E+00	7.80E+01	4.01E+00	3.59E-01	8.50E+01	2.53E+00	9.85E-04	4.01E-01	7.03E-02	3.00E+00
2632	490760.04	3858760.04	1.93E+00	8.17E-04	4.04E-01	7.29E-02	2.41E+00	2.55E+00	7.84E+01	4.04E+00	3.72E-01	8.53E+01	2.47E+00	9.90E-04	4.04E-01	7.29E-02	2.95E+00
2633	490810.04	3858760.04	1.91E+00	8.18E-04	4.07E-01	7.63E-02	2.39E+00	2.52E+00	7.84E+01	4.07E+00	3.90E-01	8.54E+01	2.44E+00	9.91E-04	4.07E-01	7.63E-02	2.93E+00
2634	490860.04	3858760.04	1.88E+00	8.18E-04	4.11E-01	7.83E-02	2.37E+00	2.48E+00	7.85E+01	4.11E+00	4.00E-01	8.55E+01	2.41E+00	9.92E-04	4.11E-01	7.83E-02	2.90E+00
2635	490360.04	3858810.04	2.20E+00	1.07E-03	3.94E-01	5.87E-02	2.65E+00	2.90E+00	1.03E+02	3.94E+00	3.00E-01	1.10E+02	2.82E+00	1.30E-03	3.94E-01	5.87E-02	3.27E+00
2636	490410.04	3858810.04	2.16E+00	1.03E-03	3.94E-01	6.17E-02	2.62E+00	2.85E+00	9.87E+01	3.94E+00	3.15E-01	1.06E+02	2.77E+00	1.25E-03	3.94E-01	6.17E-02	3.23E+00
2637	490460.04	3858810.04	2.11E+00	9.89E-04	3.93E-01	6.45E-02	2.57E+00	2.79E+00	9.49E+01	3.93E+00	3.30E-01	1.02E+02	2.71E+00	1.20E-03	3.93E-01	6.45E-02	3.16E+00
2638	490510.04	3858810.04	2.05E+00	9.62E-04	3.91E-01	6.59E-02	2.51E+00	2.71E+00	9.22E+01	3.91E+00	3.37E-01	9.92E+01	2.63E+00	1.16E-03	3.91E-01	6.59E-02	3.09E+00
2639	490560.04	3858810.04	2.04E+00	9.30E-04	3.86E-01	6.74E-02	2.50E+00	2.70E+00	8.92E+01	3.86E+00	3.44E-01	9.61E+01	2.62E+00	1.13E-03	3.86E-01	6.74E-02	3.07E+00
2640	490610.04	3858810.04	2.04E+00	8.85E-04	3.79E-01	6.97E-02	2.49E+00	2.69E+00	8.49E+01	3.79E+00	3.56E-01	9.17E+01	2.61E+00	1.07E-03	3.79E-01	6.97E-02	3.06E+00
2641	490660.04	3858810.04	2.03E+00	8.58E-04	3.84E-01	7.09E-02	2.48E+00	2.68E+00	8.23E+01	3.84E+00	3.62E-01	8.91E+01	2.60E+00	1.04E-03	3.84E-01	7.09E-02	3.05E+00
2642	490710.04	3858810.04	2.00E+00	8.57E-04	3.96E-01	7.29E-02	2.47E+00	2.65E+00	8.22E+01	3.96E+00	3.72E-01	8.92E+01	2.57E+00	1.04E-03	3.96E-01	7.29E-02	3.04E+00
2643	490760.04	3858810.04	1.97E+00	8.57E-04	4.09E-01	7.79E-02	2.46E+00	2.61E+00	8.21E+01	4.09E+00	3.98E-01	8.92E+01	2.53E+00	1.04E-03	4.09E-01	7.79E-02	3.02E+00
2644	490810.04	3858810.04	1.93E+00	8.57E-04	4.14E-01	7.76E-02	2.43E+00	2.55E+00	8.22E+01	4.14E+00	3.96E-01	8.93E+01	2.48E+00	1.04E-03	4.14E-01	7.76E-02	2.97E+00
2645	490860.04	3858810.04	1.89E+00	8.56E-04	4.21E-01	7.99E-02	2.39E+00	2.50E+00	8.21E+01	4.21E+00	4.08E-01	8.92E+01	2.42E+00	1.04E-03	4.21E-01	7.99E-02	2.93E+00
2646	490360.04	3858860.04	2.21E+00	1.07E-03	3.80E-01	6.34E-02	2.66E+00	2.92E+00	1.03E+02	3.80E+00	3.24E-01	1.10E+02	2.84E+00	1.30E-03	3.80E-01	6.34E-02	3.28E+00
2647	490410.04	3858860.04	2.19E+00	1.05E-03	3.68E-01	6.42E-02	2.62E+00	2.89E+00	1.01E+02	3.68E+00	3.28E-01	1.08E+02	2.81E+00	1.28E-03	3.68E-01	6.42E-02	3.24E+00
2648	490460.04	3858860.04	2.16E+00	1.00E-03	3.73E-01	6.68E-02	2.60E+00	2.85E+00	9.62E+01	3.73E+00	3.41E-01	1.03E+02	2.77E+00	1.22E-03	3.73E-01	6.68E-02	3.21E+00
2649	490510.04	3858860.04	2.11E+00	9.85E-04	3.77E-01	6.71E-02	2.56E+00	2.79E+00	9.45E+01	3.77E+00	3.43E-01	1.01E+02	2.71E+00	1.19E-03	3.77E-01	6.71E-02	3.16E+00
2650	490560.04	3858860.04	2.06E+00	9.41E-04	3.81E-01	6.90E-02	2.51E+00	2.72E+00	9.02E+01	3.81E+00	3.53E-01	9.71E+01	2.64E+00	1.14E-03	3.81E-01	6.90E-02	3.10E+00
2651	490610.04	3858860.04	2.01E+00	8.91E-04	3.87E-01	7.18E-02	2.46E+00	2.65E+00	8.55E+01	3.87E+00	3.67E-01	9.24E+01	2.57E+00	1.08E-03	3.87E-01	7.18E-02	3.03E+00
2652	490660.04	3858860.04	2.01E+00	8.90E-04	3.86E-01	7.27E-02	2.47E+00	2.65E+00	8.54E+01	3.86E+00	3.72E-01	9.23E+01	2.57E+00	1.08E-03	3.86E-01	7.27E-02	3.03E+00
2653	490710.04	3858860.04	2.00E+00	8.90E-04	3.81E-01	7.27E-02	2.46E+00	2.64E+00	8.53E+01	3.81E+00	3.71E-01	9.22E+01	2.57E+00	1.08E-03	3.81E-01	7.27E-02	3.02E+00
2654	490760.04	3858860.04	1.99E+00	8.88E-04	3.83E-01	7.58E-02	2.45E+00	2.62E+00	8.52E+01	3.83E+00	3.87E-01	9.20E+01	2.55E+00	1.08E-03	3.83E-01	7.58E-02	3.01E+00
2655	490810.04	3858860.04	1.96E+00	8.87E-04	4.00E-01	7.82E-02	2.44E+00	2.59E+00	8.50E+01	4.00E+00	3.99E-01	9.20E+01	2.52E+00	1.07E-03	4.00E-01	7.82E-02	3.00E+00
2656	490860.04	3858860.04	1.93E+00	8.85E-04	4.16E-01	8.04E-02	2.43E+00	2.55E+00	8.49E+01	4.16E+00	4.11E-01	9.20E+01	2.48E+00	1.07E-03	4.16E-01	8.04E-02	2.97E+00
2657	490360.04	3858910.04	2.17E+00	1.11E-03	4.05E-01	6.43E-02	2.64E+00	2.87E+00	1.06E+02	4.05E+00	3.29E-01	1.13E+02	2.79E+00	1.34E-03	4.05E-01	6.43E-02	3.26E+00
2658	490410.04	3858910.04	2.18E+00	1.07E-03	3.97E-01	6.59E-02	2.64E+00	2.88E+00	1.02E+02	3.97E+00	3.37E-01	1.09E+02	2.79E+00	1.29E-03	3.97E-01	6.59E-02	3.26E+00
2659	490460.04	3858910.04	2.17E+00	1.02E-03	3.86E-01	6.77E-02	2.62E+00	2.87E+00	9.79E+01	3.86E+00	3.46E-01	1.05E+02	2.78E+00	1.24E-03	3.86E-01	6.77E-02	3.24E+00
2660	490510.04	3858910.04	2.15E+00	9.72E-04	3.73E-01	6.97E-02	2.59E+00	2.84E+00	9.32E+01	3.73E+00	3.56E-01	1.00E+02	2.75E+00	1.18E-03	3.73E-01	6.97E-02	3.20E+00
2661	490560.04	3858910.04	2.12E+00	9.17E-04	3.75E-01	7.16E-02	2.56E+00	2.79E+00	8.80E+01	3.75E+00	3.66E-01	9.49E+01	2.71E+00	1.11E-03	3.75E-01	7.16E-02	3.16E+00
2662	490610.04	3858910.04	2.07E+00	9.13E-04	3.90E-01	7.33E-02	2.54E+00	2.74E+00	8.76E+01	3.90E+00	3.74E-01	9.46E+01	2.66E+00	1.11E-03	3.90E-01	7.33E-02	3.12E+00
2663	490660.04	3858910.04	2.02E+00	9.11E-04	3.99E-01	7.37E-02	2.49E+00	2.66E+00	8.74E+01	3.99E+00	3.76E-01	9.44E+01	2.59E+00	1.10E-03	3.99E-01	7.37E-02	3.06E+00
2664	490710.04	3858910.04	1.97E+00	9.09E-04	4.08E-01	7.41E-02	2.45E+00	2.60E+00	8.72E+01	4.08E+00	3.78E-01	9.42E+01	2.52E+00	1.10E-03	4.08E-01	7.41E-02	3.01E+00
2665	490760.04	3858910.04	1.97E+00	9.07E-04	4.15E-01	7.64E-02	2.46E+00	2.60E+00	8.70E+01	4.15E+00	3.91E-01	9.41E+01	2.53E+00	1.10E-03	4.15E-01	7.64E-02	3.02E+00
2666	490810.04	3858910.04	1.96E+00	9.05E-04	4.15E-01	7.70E-02	2.45E+00	2.59E+00	8.68E+01	4.15E+00	3.93E-01	9.39E+01	2.51E+00	1.10E-03	4.15E-01	7.70E-02	3.01E+00
2667	490860.04	3858910.04	1.94E+00	9.03E-04	4.16E-01	7.96E-02	2.44E+00	2.57E+00	8.66E+01	4.16E+00	4.07E-01	9.37E+01	2.49E+00	1.09E-03	4.16E-01	7.96E-02	2.99E+00
2668	490360.04	3858960.04	2.10E+00	1.09E-03	4.22E-01	6.71E-02	2.59E+00	2.78E+00	1.04E+02	4.22E+00	3.43E-01	1.12E+02	2.70E+00	1.32E-03	4.22E-01	6.71E-02	3.19E+00
2669	490410.04	3858960.04	2.13E+00	1.04E-03	4.07E-01	6.91E-02	2.61E+00	2.82E+00	9.96E+01	4.07E+00	3.53E-01	1.07E+02	2.73E+00	1.26E-03	4.07E-01	6.91E-02	3.21E+00
2670	490460.04	3858960.04	2.15E+00	9.81E-04	4.05E-01	7.12E-02	2.62E+00	2.84E+00	9.41E+01	4.05E+00	3.64E-01	1.01E+02	2.75E+00	1.19E-03	4.05E-01	7.12E-02	3.23E+00
2671	490510.04	3858960.04	2.15E+00	9.33E-04	4.00E-01	7.26E-02	2.62E+00	2.84E+00	8.94E+01	4.00E+00	3.71E-01	9.66E+01	2.75E+00	1.13E-03	4.00E-01	7.26E-02	3.23E+00
2672	490560.04	3858960.04	2.13E+00	9.25E-04	3.92E-01	7.35E-02	2.60E+00	2.82E+00	8.87E+01	3.92E+00	3.76E-01	9.58E+01	2.73E+00	1.12E-03	3.92E-01	7.35E-02	3.20E+00
2673	490610.04	3858960.04	2.11E+00	9.21E-04	3.93E-01	7.47E-02	2.58E+00	2.78E+00	8.84E+01	3.93E+00	3.82E-01	9.54E+01	2.70E+00	1.12E-03	3.93E-01	7.47E-02	3.17E+00
2674	490660.04	3858960.04	2.07E+00	9.19E-04	3.89E-01	7.35E-02	2.53E+00	2.73E+00	8.82E+01	3.89E+00	3.75E-01	9.52E+01	2.65E+00	1.11E-03	3.89E-01	7.35E-02	3.12E+00
2675	490710.04	3858960.04	2.02E+00	9.16E-04	4.05E-01	7.38E-02	2.50E+00	2.67E+00	8.79E+01	4.05E+00	3.77E-01	9.49E+01	2.59E+00	1.11E-03	4.05E-01	7.38E-02	3.07E+00
2676	490760.04	3858960.04	1.97E+00	9.13E-04	4.21E-01	7.43E-02	2.46E+00	2.60E+00	8.76E+01	4.21E+00	3.80E-01	9.48E+01	2.52E+00	1.11E-03	4.21E-01	7.43E-02	3.02E+00
2677	490810.04	3858960.04	1.93E+00	9.11E-04	4.34E-01	7.61E-02	2.44E+00	2.55E+00	8.73E+01	4.34E+00	3.89E-01	9.46E+01	2.47E+00	1.10E-03	4.34E-01	7.61E-02	2.98E+00
2678	490860.04	3858960.04	1.93E+00	9.08E-04	4.47E-01	7.91E-02	2.45E+00	2.54E+00	8.71E+01	4.47E+00	4.04E-01	9.45E+01	2.47E+00	1.10E-03	4.47E-01	7.91E-02	3.00E+00
2679	490360.04	3859010.04	1.99E+00	1.06E-03	4.59E-01	7.01E-02	2.52E+00	2.63E+00	1.02E+02	4.59E+00	3.58E-01	1.09E+02	2.56E+00	1.28E-03	4.59E-01	7.01E-02	3.09E+00
2680	490410.04	3859010.04	2.05E+00	1.00E-03	4.43E-01	7.21E-02	2.56E+00	2.70E+00	9.59E+01	4.43E+00	3.68E-01	1.03E+02	2.62E+00	1.21E-03	4.43E-01	7.21E-02	3.14E+00

2681	490460.04	3859010.04	2.08E+00	9.27E-04	4.26E-01	7.42E-02	2.59E+00	2.75E+00	8.89E+01	4.26E+00	3.79E-01	9.63E+01	2.67E+00	1.12E-03	4.26E-01	7.42E-02	3.17E+00
2682	490510.04	3859010.04	2.11E+00	9.23E-04	4.07E-01	7.55E-02	2.59E+00	2.78E+00	8.85E+01	4.07E+00	3.86E-01	9.57E+01	2.70E+00	1.12E-03	4.07E-01	7.55E-02	3.19E+00
2683	490560.04	3859010.04	2.11E+00	9.20E-04	4.06E-01	7.47E-02	2.60E+00	2.79E+00	8.82E+01	4.06E+00	3.82E-01	9.55E+01	2.71E+00	1.11E-03	4.06E-01	7.47E-02	3.19E+00
2684	490610.04	3859010.04	2.11E+00	9.16E-04	4.05E-01	7.50E-02	2.59E+00	2.79E+00	8.79E+01	4.05E+00	3.83E-01	9.51E+01	2.70E+00	1.11E-03	4.05E-01	7.50E-02	3.19E+00
2685	490660.04	3859010.04	2.09E+00	9.14E-04	4.07E-01	7.28E-02	2.57E+00	2.76E+00	8.77E+01	4.07E+00	3.72E-01	9.49E+01	2.68E+00	1.11E-03	4.07E-01	7.28E-02	3.16E+00
2686	490710.04	3859010.04	2.06E+00	9.10E-04	4.20E-01	7.24E-02	2.55E+00	2.72E+00	8.73E+01	4.20E+00	3.70E-01	9.46E+01	2.64E+00	1.10E-03	4.20E-01	7.24E-02	3.14E+00
2687	490760.04	3859010.04	2.02E+00	9.07E-04	4.27E-01	7.44E-02	2.52E+00	2.67E+00	8.70E+01	4.27E+00	3.80E-01	9.43E+01	2.59E+00	1.10E-03	4.27E-01	7.44E-02	3.09E+00
2688	490810.04	3859010.04	1.97E+00	9.04E-04	4.30E-01	7.84E-02	2.48E+00	2.60E+00	8.67E+01	4.30E+00	4.01E-01	9.40E+01	2.53E+00	1.10E-03	4.30E-01	7.84E-02	3.04E+00
2689	490860.04	3859010.04	1.91E+00	9.01E-04	4.46E-01	8.31E-02	2.44E+00	2.53E+00	8.64E+01	4.46E+00	4.24E-01	9.39E+01	2.45E+00	1.09E-03	4.46E-01	8.31E-02	2.98E+00
2690	490360.04	3859060.04	1.89E+00	1.04E-03	4.84E-01	7.31E-02	2.45E+00	2.50E+00	1.00E+02	4.84E+00	3.73E-01	1.08E+02	2.43E+00	1.26E-03	4.84E-01	7.31E-02	2.99E+00
2691	490410.04	3859060.04	1.93E+00	9.64E-04	4.73E-01	7.51E-02	2.48E+00	2.55E+00	9.24E+01	4.73E+00	3.84E-01	1.00E+02	2.47E+00	1.17E-03	4.73E-01	7.51E-02	3.02E+00
2692	490460.04	3859060.04	1.99E+00	9.11E-04	4.60E-01	7.57E-02	2.52E+00	2.62E+00	8.74E+01	4.60E+00	3.87E-01	9.50E+01	2.55E+00	1.10E-03	4.60E-01	7.57E-02	3.08E+00
2693	490510.04	3859060.04	2.03E+00	9.08E-04	4.45E-01	7.55E-02	2.55E+00	2.68E+00	8.71E+01	4.45E+00	3.86E-01	9.46E+01	2.60E+00	1.10E-03	4.45E-01	7.55E-02	3.12E+00
2694	490560.04	3859060.04	2.06E+00	9.04E-04	4.28E-01	7.53E-02	2.56E+00	2.72E+00	8.67E+01	4.28E+00	3.85E-01	9.41E+01	2.64E+00	1.10E-03	4.28E-01	7.53E-02	3.14E+00
2695	490610.04	3859060.04	2.07E+00	9.01E-04	4.10E-01	7.36E-02	2.56E+00	2.74E+00	8.64E+01	4.10E+00	3.76E-01	9.36E+01	2.66E+00	1.09E-03	4.10E-01	7.36E-02	3.14E+00
2696	490660.04	3859060.04	2.07E+00	8.98E-04	4.23E-01	7.13E-02	2.57E+00	2.74E+00	8.61E+01	4.23E+00	3.64E-01	9.35E+01	2.66E+00	1.09E-03	4.23E-01	7.13E-02	3.16E+00
2697	490710.04	3859060.04	2.06E+00	8.94E-04	4.50E-01	7.36E-02	2.59E+00	2.73E+00	8.58E+01	4.50E+00	3.76E-01	9.34E+01	2.65E+00	1.08E-03	4.50E-01	7.36E-02	3.17E+00
2698	490760.04	3859060.04	2.04E+00	8.91E-04	4.69E-01	7.65E-02	2.59E+00	2.70E+00	8.54E+01	4.69E+00	3.91E-01	9.32E+01	2.62E+00	1.08E-03	4.69E-01	7.65E-02	3.16E+00
2699	490810.04	3859060.04	2.01E+00	8.88E-04	4.83E-01	8.04E-02	2.57E+00	2.65E+00	8.51E+01	4.83E+00	4.11E-01	9.30E+01	2.57E+00	1.08E-03	4.83E-01	8.04E-02	3.14E+00
2700	490860.04	3859060.04	2.12E+00	8.84E-04	4.86E-01	8.24E-02	2.69E+00	2.81E+00	8.48E+01	4.86E+00	4.21E-01	9.29E+01	2.72E+00	1.07E-03	4.86E-01	8.24E-02	3.29E+00
2701	490360.04	3859110.04	1.91E+00	1.12E-03	4.96E-01	7.38E-02	2.48E+00	2.52E+00	1.07E+02	4.96E+00	3.77E-01	1.15E+02	2.44E+00	1.36E-03	4.96E-01	7.38E-02	3.02E+00
2702	490410.04	3859110.04	1.87E+00	1.03E-03	4.91E-01	7.49E-02	2.43E+00	2.47E+00	9.90E+01	4.91E+00	3.83E-01	1.07E+02	2.39E+00	1.25E-03	4.91E-01	7.49E-02	2.96E+00
2703	490460.04	3859110.04	1.85E+00	9.77E-04	4.83E-01	7.41E-02	2.41E+00	2.45E+00	9.37E+01	4.83E+00	3.79E-01	1.01E+02	2.38E+00	1.18E-03	4.83E-01	7.41E-02	2.94E+00
2704	490510.04	3859110.04	1.91E+00	8.84E-04	4.72E-01	7.47E-02	2.46E+00	2.53E+00	8.48E+01	4.72E+00	3.82E-01	9.24E+01	2.45E+00	1.07E-03	4.72E-01	7.47E-02	3.00E+00
2705	490560.04	3859110.04	1.96E+00	8.80E-04	4.60E-01	7.32E-02	2.50E+00	2.60E+00	8.44E+01	4.60E+00	3.74E-01	9.20E+01	2.52E+00	1.07E-03	4.60E-01	7.32E-02	3.05E+00
2706	490610.04	3859110.04	2.00E+00	8.76E-04	4.45E-01	7.27E-02	2.52E+00	2.64E+00	8.40E+01	4.45E+00	3.71E-01	9.15E+01	2.57E+00	1.06E-03	4.45E-01	7.27E-02	3.08E+00
2707	490660.04	3859110.04	2.02E+00	8.72E-04	4.42E-01	7.54E-02	2.54E+00	2.67E+00	8.37E+01	4.42E+00	3.85E-01	9.11E+01	2.59E+00	1.06E-03	4.42E-01	7.54E-02	3.11E+00
2708	490710.04	3859110.04	2.03E+00	8.69E-04	4.73E-01	7.62E-02	2.58E+00	2.68E+00	8.34E+01	4.73E+00	3.89E-01	9.12E+01	2.60E+00	1.05E-03	4.73E-01	7.62E-02	3.15E+00
2709	490760.04	3859110.04	2.03E+00	8.66E-04	5.06E-01	7.78E-02	2.61E+00	2.68E+00	8.30E+01	5.06E+00	3.97E-01	9.12E+01	2.60E+00	1.05E-03	5.06E-01	7.78E-02	3.19E+00
2710	490810.04	3859110.04	2.19E+00	8.62E-04	5.41E-01	8.17E-02	2.81E+00	2.89E+00	8.27E+01	5.41E+00	4.17E-01	9.14E+01	2.81E+00	1.04E-03	5.41E-01	8.17E-02	3.43E+00
2711	490860.04	3859110.04	2.22E+00	8.59E-04	5.68E-01	9.47E-02	2.88E+00	2.93E+00	8.23E+01	5.68E+00	4.84E-01	9.14E+01	2.84E+00	1.04E-03	5.68E-01	9.47E-02	3.51E+00
2712	490360.04	3859160.04	1.91E+00	1.19E-03	5.11E-01	7.27E-02	2.50E+00	2.53E+00	1.14E+02	5.11E+00	3.71E-01	1.22E+02	2.45E+00	1.44E-03	5.11E-01	7.27E-02	3.04E+00
2713	490410.04	3859160.04	1.89E+00	1.10E-03	4.95E-01	7.25E-02	2.46E+00	2.50E+00	1.05E+02	4.95E+00	3.70E-01	1.13E+02	2.43E+00	1.33E-03	4.95E-01	7.25E-02	3.00E+00
2714	490460.04	3859160.04	1.86E+00	1.02E-03	4.94E-01	7.14E-02	2.42E+00	2.46E+00	9.79E+01	4.94E+00	3.65E-01	1.06E+02	2.38E+00	1.24E-03	4.94E-01	7.14E-02	2.95E+00
2715	490510.04	3859160.04	1.83E+00	9.42E-04	4.89E-01	7.00E-02	2.39E+00	2.42E+00	9.03E+01	4.89E+00	3.58E-01	9.80E+01	2.34E+00	1.14E-03	4.89E-01	7.00E-02	2.90E+00
2716	490560.04	3859160.04	1.84E+00	8.50E-04	4.81E-01	7.08E-02	2.39E+00	2.43E+00	8.15E+01	4.81E+00	3.61E-01	8.91E+01	2.36E+00	1.03E-03	4.81E-01	7.08E-02	2.91E+00
2717	490610.04	3859160.04	1.89E+00	8.46E-04	4.71E-01	7.23E-02	2.44E+00	2.50E+00	8.11E+01	4.71E+00	3.69E-01	8.87E+01	2.43E+00	1.02E-03	4.71E-01	7.23E-02	2.97E+00
2718	490660.04	3859160.04	1.93E+00	8.41E-04	4.58E-01	7.73E-02	2.47E+00	2.56E+00	8.06E+01	4.58E+00	3.95E-01	8.82E+01	2.48E+00	1.02E-03	4.58E-01	7.73E-02	3.02E+00
2719	490710.04	3859160.04	1.96E+00	8.37E-04	4.52E-01	8.21E-02	2.50E+00	2.59E+00	8.03E+01	4.52E+00	4.20E-01	8.78E+01	2.52E+00	1.01E-03	4.52E-01	8.21E-02	3.05E+00
2720	490760.04	3859160.04	2.16E+00	8.33E-04	5.18E-01	9.88E-02	2.78E+00	2.85E+00	7.99E+01	5.18E+00	5.05E-01	8.84E+01	2.77E+00	1.01E-03	5.18E-01	9.88E-02	3.39E+00
2721	490810.04	3859160.04	2.21E+00	8.30E-04	5.58E-01	1.09E-01	2.88E+00	2.92E+00	7.96E+01	5.58E+00	5.57E-01	8.86E+01	2.83E+00	1.01E-03	5.58E-01	1.09E-01	3.50E+00
2722	490860.04	3859160.04	2.24E+00	8.26E-04	5.96E-01	1.20E-01	2.96E+00	2.96E+00	7.92E+01	5.96E+00	6.13E-01	8.88E+01	2.88E+00	1.00E-03	5.96E-01	1.20E-01	3.59E+00
2723	490360.04	3859210.04	1.90E+00	1.23E-03	5.42E-01	6.99E-02	2.51E+00	2.51E+00	1.18E+02	5.42E+00	3.57E-01	1.26E+02	2.43E+00	1.49E-03	5.42E-01	6.99E-02	3.05E+00
2724	490410.04	3859210.04	1.88E+00	1.18E-03	5.21E-01	6.77E-02	2.47E+00	2.49E+00	1.13E+02	5.21E+00	3.46E-01	1.21E+02	2.41E+00	1.43E-03	5.21E-01	6.77E-02	3.00E+00
2725	490460.04	3859210.04	1.87E+00	1.05E-03	4.97E-01	6.72E-02	2.44E+00	2.47E+00	1.00E+02	4.97E+00	3.43E-01	1.08E+02	2.40E+00	1.27E-03	4.97E-01	6.72E-02	2.97E+00
2726	490510.04	3859210.04	1.85E+00	9.63E-04	4.92E-01	6.83E-02	2.41E+00	2.44E+00	9.23E+01	4.92E+00	3.49E-01	1.00E+02	2.37E+00	1.17E-03	4.92E-01	6.83E-02	2.93E+00
2727	490560.04	3859210.04	1.81E+00	9.05E-04	4.90E-01	6.93E-02	2.37E+00	2.39E+00	8.68E+01	4.90E+00	3.54E-01	9.45E+01	2.32E+00	1.10E-03	4.90E-01	6.93E-02	2.88E+00
2728	490610.04	3859210.04	1.79E+00	8.23E-04	4.86E-01	7.10E-02	2.34E+00	2.36E+00	7.89E+01	4.86E+00	3.63E-01	8.65E+01	2.29E+00	9.97E-04	4.86E-01	7.10E-02	2.85E+00
2729	490660.04	3859210.04	1.82E+00	8.04E-04	4.78E-01	8.25E-02	2.38E+00	2.40E+00	7.71E+01	4.78E+00	4.21E-01	8.47E+01	2.33E+00	9.74E-04	4.78E-01	8.25E-02	2.89E+00
2730	490710.04	3859210.04	1.87E+00	8.00E-04	4.68E-01	9.28E-02	2.43E+00	2.46E+00	7.67E+01	4.68E+00	4.74E-01	8.43E+01	2.39E+00	9.69E-04	4.68E-01	9.28E-02	2.95E+00
2731	490760.04	3859210.04	2.06E+00	7.95E-04	4.56E-01	1.12E-01	2.63E+00	2.72E+00	7.62E+01	4.56E+00	5.74E-01	8.41E+01	2.64E+00	9.63E-04	4.56E-01	1.12E-01	3.21E+00
2732	490810.04	3859210.04	2.11E+00	7.92E-04	4.81E-01	1.14E-01	2.70E+00	2.78E+00	7.59E+01	4.81E+00	5.84E-01	8.41E+01	2.70E+00	9.59E-04	4.81E-01	1.14E-01	3.30E+00
2733	490860.04	3859210.04	2.14E+00	7.89E-04	5.14E-01	1.16E-01	2.77E+00	2.83E+00	7.56E+01	5.14E+00	5.95E-01	8.42E+01	2.75E+00	9.55E-04	5.14E-01	1.16E-01	3.38E+00
2734	490360.04	3859260.04	1.91E+00	1.24E-03	5.63E-01	6.79E-02	2.54E+00	2.52E+00	1.19E+02	5.63E+00	3.47E-01	1.28E+02	2.45E+00	1.50E-03	5.63E-01	6.79E-02	3.08E+00
2735	490410.04	3859260.04	1.89E+00	1.18E-03	5.47E-01	6.81E-02	2.50E+00	2.49E+00	1.13E+02	5.47E+00	3.48E-01	1.21E+02	2.42E+00	1.43E-03	5.47E-01	6.81E-02	3.03E+00
2736	490460.04	3859260.04	1.85E+00	1.13E-03	5.28E-01	6.84E-02	2.45E+00	2.45E+00	1.08E+02	5.28E+00	3.50E-01	1.16E+02	2.37E+00	1.37E-03	5.28E-01	6.84E-02	2.97E+00
2737	490510.04	3859260.04	1.84E+00	1.07E-03	5.08E-01	6.87E-02	2.42E+00	2.44E+00	1.03E+02	5.08E+00	3.51E-01	1.11E+02	2.36E+00	1.30E-03	5.08E-01	6.87E-02	2.94E+00
2738	490560.04	3859260.04	1.82E+00	9.93E-04	4.88E-01	6.87E-02	2.38E+00	2.41E+00	9.53E+01	4.88E+00	3.51E-01	1.03E+02	2.34E+00	1.20E-03	4.88E-01	6.87E-02	2.90E+00
2739	490610.04	3859260.04	1.79E+00	8.71E-04	4.88E-01	6.83E-02	2.35E+00	2.37E+00	8.36E+01	4.88E+00	3.49E-01	9.12E+01	2.30E+00	1.06E-03	4.88E-01	6.83E-02	2.86E+00
2740	490660.04	3859260.04	1.76E+00	8.53E-04	4.87E-01	6.87E-02	2.31E+00	2.32E+00	8.18E+01	4.87E+00	3.51E-01	8.94E+01	2.25E+00	1.03E-03	4.87E-01	6.87E-02	2.81E+00
2741	490710.04	3859260.04	1.74E+00	7.87E-04	4.82E-01	7.48E-02	2.30E+00	2.30E+00	7.54E+01	4.82E+00	3.82E-01	8.29E+01	2.23E+00	9.53E-04	4.82E-01	7.48E-02	2.79E+00

2742	490760.04	3859260.04	1.79E+00	7.52E-04	4.74E-01	9.23E-02	2.36E+00	2.37E+00	7.21E+01	4.74E+00	4.72E-01	7.97E+01	2.30E+00	9.11E-04	4.74E-01	9.23E-02	2.87E+00
2743	490810.04	3859260.04	1.84E+00	7.48E-04	4.65E-01	9.50E-02	2.40E+00	2.43E+00	7.18E+01	4.65E+00	4.85E-01	7.93E+01	2.36E+00	9.06E-04	4.65E-01	9.50E-02	2.92E+00
2744	490860.04	3859260.04	1.87E+00	7.44E-04	4.54E-01	9.75E-02	2.42E+00	2.47E+00	7.14E+01	4.54E+00	4.98E-01	7.89E+01	2.40E+00	9.02E-04	4.54E-01	9.75E-02	2.95E+00
2745	490360.04	3859310.04	1.88E+00	1.29E-03	5.72E-01	7.10E-02	2.53E+00	2.48E+00	1.24E+02	5.72E+00	3.63E-01	1.32E+02	2.41E+00	1.56E-03	5.72E-01	7.10E-02	3.06E+00
2746	490410.04	3859310.04	1.88E+00	1.23E-03	5.62E-01	7.12E-02	2.52E+00	2.49E+00	1.17E+02	5.62E+00	3.64E-01	1.26E+02	2.41E+00	1.48E-03	5.62E-01	7.12E-02	3.05E+00
2747	490460.04	3859310.04	1.86E+00	1.17E-03	5.49E-01	7.14E-02	2.49E+00	2.46E+00	1.12E+02	5.49E+00	3.65E-01	1.20E+02	2.39E+00	1.42E-03	5.49E-01	7.14E-02	3.01E+00
2748	490510.04	3859310.04	1.83E+00	1.13E-03	5.33E-01	7.16E-02	2.44E+00	2.42E+00	1.08E+02	5.33E+00	3.66E-01	1.16E+02	2.35E+00	1.37E-03	5.33E-01	7.16E-02	2.95E+00
2749	490560.04	3859310.04	1.81E+00	1.08E-03	5.15E-01	7.18E-02	2.40E+00	2.39E+00	1.04E+02	5.15E+00	3.67E-01	1.12E+02	2.32E+00	1.31E-03	5.15E-01	7.18E-02	2.91E+00
2750	490610.04	3859310.04	1.80E+00	1.05E-03	4.95E-01	7.20E-02	2.37E+00	2.38E+00	1.00E+02	4.95E+00	3.68E-01	1.08E+02	2.31E+00	1.27E-03	4.95E-01	7.20E-02	2.87E+00
2751	490660.04	3859310.04	1.77E+00	9.87E-04	4.84E-01	7.21E-02	2.33E+00	2.34E+00	9.47E+01	4.84E+00	3.68E-01	1.02E+02	2.27E+00	1.20E-03	4.84E-01	7.21E-02	2.83E+00
2752	490710.04	3859310.04	1.74E+00	8.68E-04	4.85E-01	7.16E-02	2.30E+00	2.30E+00	8.33E+01	4.85E+00	3.66E-01	9.08E+01	2.23E+00	1.05E-03	4.85E-01	7.16E-02	2.79E+00
2753	490760.04	3859310.04	1.72E+00	8.04E-04	4.82E-01	7.18E-02	2.27E+00	2.27E+00	7.71E+01	4.82E+00	3.67E-01	8.46E+01	2.20E+00	9.74E-04	4.82E-01	7.18E-02	2.76E+00
2754	490810.04	3859310.04	1.72E+00	7.73E-04	4.78E-01	7.42E-02	2.28E+00	2.28E+00	7.41E+01	4.78E+00	3.79E-01	8.15E+01	2.21E+00	9.36E-04	4.78E-01	7.42E-02	2.76E+00
2755	490860.04	3859310.04	1.77E+00	7.17E-04	4.71E-01	8.26E-02	2.33E+00	2.34E+00	6.88E+01	4.71E+00	4.22E-01	7.63E+01	2.27E+00	8.69E-04	4.71E-01	8.26E-02	2.83E+00
2756	490360.04	3859360.04	1.82E+00	1.33E-03	5.69E-01	7.42E-02	2.46E+00	2.40E+00	1.27E+02	5.69E+00	3.79E-01	1.36E+02	2.33E+00	1.61E-03	5.69E-01	7.42E-02	2.97E+00
2757	490410.04	3859360.04	1.84E+00	1.29E-03	5.66E-01	7.45E-02	2.48E+00	2.43E+00	1.23E+02	5.66E+00	3.81E-01	1.32E+02	2.36E+00	1.56E-03	5.66E-01	7.45E-02	3.00E+00
2758	490460.04	3859360.04	1.84E+00	1.25E-03	5.60E-01	7.48E-02	2.48E+00	2.43E+00	1.20E+02	5.60E+00	3.82E-01	1.28E+02	2.36E+00	1.51E-03	5.60E-01	7.48E-02	3.00E+00
2759	490510.04	3859360.04	1.83E+00	1.21E-03	5.50E-01	7.49E-02	2.46E+00	2.42E+00	1.16E+02	5.50E+00	3.83E-01	1.24E+02	2.35E+00	1.47E-03	5.50E-01	7.49E-02	2.98E+00
2760	490560.04	3859360.04	1.81E+00	1.15E-03	5.37E-01	7.49E-02	2.42E+00	2.39E+00	1.10E+02	5.37E+00	3.83E-01	1.18E+02	2.32E+00	1.39E-03	5.37E-01	7.49E-02	2.93E+00
2761	490610.04	3859360.04	1.78E+00	1.09E-03	5.21E-01	7.48E-02	2.37E+00	2.35E+00	1.04E+02	5.21E+00	3.82E-01	1.12E+02	2.28E+00	1.32E-03	5.21E-01	7.48E-02	2.88E+00
2762	490660.04	3859360.04	1.77E+00	1.04E-03	5.03E-01	7.49E-02	2.35E+00	2.34E+00	9.99E+01	5.03E+00	3.82E-01	1.08E+02	2.27E+00	1.26E-03	5.03E-01	7.49E-02	2.85E+00
2763	490710.04	3859360.04	1.75E+00	9.67E-04	4.83E-01	7.46E-02	2.31E+00	2.32E+00	9.27E+01	4.83E+00	3.81E-01	1.00E+02	2.25E+00	1.17E-03	4.83E-01	7.46E-02	2.81E+00
2764	490760.04	3859360.04	1.73E+00	8.84E-04	4.79E-01	7.43E-02	2.28E+00	2.28E+00	8.48E+01	4.79E+00	3.79E-01	9.23E+01	2.21E+00	1.07E-03	4.79E-01	7.43E-02	2.77E+00
2765	490810.04	3859360.04	1.69E+00	8.72E-04	4.80E-01	7.45E-02	2.24E+00	2.23E+00	8.36E+01	4.80E+00	3.80E-01	9.10E+01	2.16E+00	1.06E-03	4.80E-01	7.45E-02	2.72E+00
2766	490860.04	3859360.04	1.67E+00	8.25E-04	4.78E-01	7.43E-02	2.23E+00	2.21E+00	7.91E+01	4.78E+00	3.80E-01	8.65E+01	2.15E+00	1.00E-03	4.78E-01	7.43E-02	2.70E+00
2767	490360.04	3859410.04	1.86E+00	1.40E-03	5.54E-01	7.72E-02	2.50E+00	2.46E+00	1.34E+02	5.54E+00	3.94E-01	1.43E+02	2.39E+00	1.70E-03	5.54E-01	7.72E-02	3.02E+00
2768	490410.04	3859410.04	1.81E+00	1.35E-03	5.59E-01	7.77E-02	2.44E+00	2.39E+00	1.30E+02	5.59E+00	3.97E-01	1.38E+02	2.32E+00	1.64E-03	5.59E-01	7.77E-02	2.95E+00
2769	490460.04	3859410.04	1.79E+00	1.31E-03	5.59E-01	7.79E-02	2.43E+00	2.36E+00	1.25E+02	5.59E+00	3.98E-01	1.34E+02	2.29E+00	1.58E-03	5.59E-01	7.79E-02	2.93E+00
2770	490510.04	3859410.04	1.80E+00	1.25E-03	5.55E-01	7.80E-02	2.44E+00	2.38E+00	1.20E+02	5.55E+00	3.98E-01	1.29E+02	2.31E+00	1.52E-03	5.55E-01	7.80E-02	2.95E+00
2771	490560.04	3859410.04	1.80E+00	1.21E-03	5.48E-01	7.80E-02	2.43E+00	2.38E+00	1.16E+02	5.48E+00	3.98E-01	1.24E+02	2.31E+00	1.47E-03	5.48E-01	7.80E-02	2.94E+00
2772	490610.04	3859410.04	1.79E+00	1.17E-03	5.38E-01	7.80E-02	2.40E+00	2.36E+00	1.12E+02	5.38E+00	3.98E-01	1.20E+02	2.29E+00	1.42E-03	5.38E-01	7.80E-02	2.91E+00
2773	490660.04	3859410.04	1.76E+00	1.10E-03	5.24E-01	7.77E-02	2.36E+00	2.32E+00	1.05E+02	5.24E+00	3.97E-01	1.13E+02	2.25E+00	1.33E-03	5.24E-01	7.77E-02	2.86E+00
2774	490710.04	3859410.04	1.74E+00	1.04E-03	5.09E-01	7.75E-02	2.33E+00	2.30E+00	9.94E+01	5.09E+00	3.96E-01	1.07E+02	2.23E+00	1.26E-03	5.09E-01	7.75E-02	2.82E+00
2775	490760.04	3859410.04	1.73E+00	9.53E-04	4.91E-01	7.70E-02	2.30E+00	2.29E+00	9.14E+01	4.91E+00	3.93E-01	9.90E+01	2.22E+00	1.15E-03	4.91E-01	7.70E-02	2.79E+00
2776	490810.04	3859410.04	1.71E+00	9.39E-04	4.72E-01	7.70E-02	2.26E+00	2.26E+00	9.00E+01	4.72E+00	3.93E-01	9.74E+01	2.19E+00	1.14E-03	4.72E-01	7.70E-02	2.74E+00
2777	490860.04	3859410.04	1.67E+00	9.34E-04	4.75E-01	7.72E-02	2.23E+00	2.21E+00	8.96E+01	4.75E+00	3.94E-01	9.69E+01	2.15E+00	1.13E-03	4.75E-01	7.72E-02	2.70E+00
2778	490360.04	3859460.04	1.88E+00	1.44E-03	5.30E-01	7.98E-02	2.49E+00	2.48E+00	1.38E+02	5.30E+00	4.08E-01	1.47E+02	2.41E+00	1.75E-03	5.30E-01	7.98E-02	3.02E+00
2779	490410.04	3859460.04	1.85E+00	1.39E-03	5.40E-01	8.04E-02	2.47E+00	2.44E+00	1.34E+02	5.40E+00	4.11E-01	1.42E+02	2.37E+00	1.69E-03	5.40E-01	8.04E-02	2.99E+00
2780	490460.04	3859460.04	1.80E+00	1.35E-03	5.47E-01	8.07E-02	2.42E+00	2.37E+00	1.30E+02	5.47E+00	4.12E-01	1.38E+02	2.30E+00	1.64E-03	5.47E-01	8.07E-02	2.93E+00
2781	490510.04	3859460.04	1.74E+00	1.31E-03	5.49E-01	8.07E-02	2.37E+00	2.30E+00	1.26E+02	5.49E+00	4.12E-01	1.34E+02	2.23E+00	1.59E-03	5.49E-01	8.07E-02	2.86E+00
2782	490560.04	3859460.04	1.76E+00	1.27E-03	5.49E-01	8.06E-02	2.39E+00	2.33E+00	1.21E+02	5.49E+00	4.12E-01	1.30E+02	2.26E+00	1.53E-03	5.49E-01	8.06E-02	2.89E+00
2783	490610.04	3859460.04	1.77E+00	1.21E-03	5.44E-01	8.05E-02	2.39E+00	2.34E+00	1.16E+02	5.44E+00	4.11E-01	1.24E+02	2.27E+00	1.46E-03	5.44E-01	8.05E-02	2.89E+00
2784	490660.04	3859460.04	1.76E+00	1.15E-03	5.36E-01	8.02E-02	2.38E+00	2.33E+00	1.10E+02	5.36E+00	4.10E-01	1.18E+02	2.26E+00	1.39E-03	5.36E-01	8.02E-02	2.88E+00
2785	490710.04	3859460.04	1.74E+00	1.11E-03	5.26E-01	8.01E-02	2.35E+00	2.30E+00	1.06E+02	5.26E+00	4.09E-01	1.14E+02	2.23E+00	1.34E-03	5.26E-01	8.01E-02	2.84E+00
2786	490760.04	3859460.04	1.71E+00	1.06E-03	5.12E-01	7.98E-02	2.30E+00	2.25E+00	1.02E+02	5.12E+00	4.08E-01	1.10E+02	2.19E+00	1.29E-03	5.12E-01	7.98E-02	2.78E+00
2787	490810.04	3859460.04	1.70E+00	1.01E-03	4.97E-01	7.95E-02	2.28E+00	2.25E+00	9.73E+01	4.97E+00	4.06E-01	1.05E+02	2.18E+00	1.23E-03	4.97E-01	7.95E-02	2.76E+00
2788	490860.04	3859460.04	1.68E+00	9.99E-04	4.80E-01	7.95E-02	2.25E+00	2.23E+00	9.58E+01	4.80E+00	4.06E-01	1.03E+02	2.16E+00	1.21E-03	4.80E-01	7.95E-02	2.72E+00
2789	490360.04	3859510.04	1.86E+00	1.46E-03	4.94E-01	8.21E-02	2.44E+00	2.46E+00	1.40E+02	4.94E+00	4.19E-01	1.48E+02	2.39E+00	1.77E-03	4.94E-01	8.21E-02	2.97E+00
2790	490410.04	3859510.04	1.85E+00	1.43E-03	5.12E-01	8.27E-02	2.45E+00	2.45E+00	1.37E+02	5.12E+00	4.22E-01	1.45E+02	2.37E+00	1.73E-03	5.12E-01	8.27E-02	2.97E+00
2791	490460.04	3859510.04	1.82E+00	1.39E-03	5.25E-01	8.31E-02	2.43E+00	2.41E+00	1.33E+02	5.25E+00	4.24E-01	1.41E+02	2.34E+00	1.68E-03	5.25E-01	8.31E-02	2.95E+00
2792	490510.04	3859510.04	1.78E+00	1.35E-03	5.34E-01	8.31E-02	2.40E+00	2.35E+00	1.30E+02	5.34E+00	4.24E-01	1.38E+02	2.28E+00	1.64E-03	5.34E-01	8.31E-02	2.90E+00
2793	490560.04	3859510.04	1.72E+00	1.31E-03	5.39E-01	8.29E-02	2.35E+00	2.28E+00	1.26E+02	5.39E+00	4.24E-01	1.34E+02	2.21E+00	1.59E-03	5.39E-01	8.29E-02	2.83E+00
2794	490610.04	3859510.04	1.72E+00	1.26E-03	5.40E-01	8.27E-02	2.34E+00	2.27E+00	1.21E+02	5.40E+00	4.22E-01	1.29E+02	2.21E+00	1.53E-03	5.40E-01	8.27E-02	2.83E+00
2795	490660.04	3859510.04	1.73E+00	1.21E-03	5.38E-01	8.24E-02	2.36E+00	2.29E+00	1.16E+02	5.38E+00	4.21E-01	1.24E+02	2.22E+00	1.47E-03	5.38E-01	8.24E-02	2.84E+00
2796	490710.04	3859510.04	1.73E+00	1.15E-03	5.33E-01	8.21E-02	2.35E+00	2.29E+00	1.11E+02	5.33E+00	4.19E-01	1.19E+02	2.22E+00	1.40E-03	5.33E-01	8.21E-02	2.84E+00
2797	490760.04	3859510.04	1.72E+00	1.10E-03	5.24E-01	8.18E-02	2.33E+00	2.27E+00	1.06E+02	5.24E+00	4.18E-01	1.14E+02	2.20E+00	1.34E-03	5.24E-01	8.18E-02	2.81E+00
2798	490810.04	3859510.04	1.69E+00	1.07E-03	5.14E-01	8.16E-02	2.29E+00	2.23E+00	1.02E+02	5.14E+00	4.17E-01	1.10E+02	2.17E+00	1.29E-03	5.14E-01	8.16E-02	2.76E+00
2799	490860.04	3859510.04	1.67E+00	1.03E-03	5.01E-01	8.13E-02	2.25E+00	2.21E+00	9.87E+01	5.01E+00	4.15E-01	1.06E+02	2.14E+00	1.25E-03	5.01E-01	8.13E-02	2.72E+00
2800	490360.04	3859560.04	1.85E+00	1.46E-03	4.53E-01	8.38E-02	2.39E+00	2.44E+00	1.40E+02	4.53E+00	4.28E-01	1.48E+02	2.37E+00	1.77E-03	4.53E-01	8.38E-02	2.91E+00
2801	490410.04	3859560.04	1.83E+00	1.44E-03	4.74E-01	8.44E-02	2.39E+00	2.41E+00	1.38E+02	4.74E+00	4.31E-01	1.45E+02	2.34E+00	1.74E-03	4.74E-01	8.44E-02	2.90E+00
2802	490460.04	3859560.04	1.82E+00	1.41E-03	4.93E-01	8.48E-02	2.40E+00	2.40E+00	1.35E+02	4.93E+00	4.33E-01	1.43E+02	2.33E+00	1.70E-03	4.93E-01	8.48E-02	2.91E+00

2803	490510.04	3859560.04	1.80E+00	1.37E-03	5.09E-01	8.49E-02	2.40E+00	2.38E+00	1.31E+02	5.09E+00	4.34E-01	1.39E+02	2.31E+00	1.66E-03	5.09E-01	8.49E-02	2.91E+00
2804	490560.04	3859560.04	1.76E+00	1.34E-03	5.20E-01	8.48E-02	2.37E+00	2.33E+00	1.28E+02	5.20E+00	4.33E-01	1.36E+02	2.26E+00	1.62E-03	5.20E-01	8.48E-02	2.87E+00
2805	490610.04	3859560.04	1.72E+00	1.30E-03	5.27E-01	8.44E-02	2.33E+00	2.27E+00	1.25E+02	5.27E+00	4.31E-01	1.32E+02	2.20E+00	1.57E-03	5.27E-01	8.44E-02	2.81E+00
2806	490660.04	3859560.04	1.68E+00	1.26E-03	5.30E-01	8.41E-02	2.29E+00	2.21E+00	1.21E+02	5.30E+00	4.30E-01	1.29E+02	2.15E+00	1.52E-03	5.30E-01	8.41E-02	2.76E+00
2807	490710.04	3859560.04	1.70E+00	1.21E-03	5.31E-01	8.37E-02	2.31E+00	2.24E+00	1.16E+02	5.31E+00	4.28E-01	1.24E+02	2.17E+00	1.46E-03	5.31E-01	8.37E-02	2.79E+00
2808	490760.04	3859560.04	1.70E+00	1.15E-03	5.27E-01	8.32E-02	2.31E+00	2.25E+00	1.10E+02	5.27E+00	4.25E-01	1.18E+02	2.18E+00	1.39E-03	5.27E-01	8.32E-02	2.80E+00
2809	490810.04	3859560.04	1.69E+00	1.10E-03	5.22E-01	8.28E-02	2.30E+00	2.24E+00	1.05E+02	5.22E+00	4.23E-01	1.13E+02	2.17E+00	1.33E-03	5.22E-01	8.28E-02	2.78E+00
2810	490860.04	3859560.04	1.67E+00	1.05E-03	5.13E-01	8.24E-02	2.27E+00	2.21E+00	1.01E+02	5.13E+00	4.21E-01	1.08E+02	2.15E+00	1.27E-03	5.13E-01	8.24E-02	2.74E+00
2811	490187.25	3859422.08	1.95E+00	1.56E-03	4.94E-01	7.45E-02	2.52E+00	2.57E+00	1.49E+02	4.94E+00	3.81E-01	1.57E+02	2.49E+00	1.89E-03	4.94E-01	7.45E-02	3.06E+00
2812	490237.25	3859422.08	1.93E+00	1.52E-03	5.16E-01	7.56E-02	2.53E+00	2.55E+00	1.45E+02	5.16E+00	3.86E-01	1.54E+02	2.48E+00	1.84E-03	5.16E-01	7.56E-02	3.07E+00
2813	490287.25	3859422.08	1.92E+00	1.48E-03	5.33E-01	7.66E-02	2.53E+00	2.54E+00	1.42E+02	5.33E+00	3.91E-01	1.50E+02	2.46E+00	1.79E-03	5.33E-01	7.66E-02	3.07E+00
2814	490337.25	3859422.08	1.89E+00	1.43E-03	5.45E-01	7.75E-02	2.52E+00	2.50E+00	1.37E+02	5.45E+00	3.96E-01	1.45E+02	2.42E+00	1.73E-03	5.45E-01	7.75E-02	3.05E+00
2815	490187.25	3859472.08	1.95E+00	1.57E-03	4.64E-01	7.73E-02	2.49E+00	2.57E+00	1.50E+02	4.64E+00	3.95E-01	1.58E+02	2.50E+00	1.90E-03	4.64E-01	7.73E-02	3.04E+00
2816	490237.25	3859472.08	1.92E+00	1.54E-03	4.73E-01	7.83E-02	2.47E+00	2.54E+00	1.47E+02	4.73E+00	4.00E-01	1.55E+02	2.46E+00	1.86E-03	4.73E-01	7.83E-02	3.02E+00
2817	490287.25	3859472.08	1.90E+00	1.49E-03	4.96E-01	7.92E-02	2.47E+00	2.50E+00	1.43E+02	4.96E+00	4.05E-01	1.51E+02	2.43E+00	1.81E-03	4.96E-01	7.92E-02	3.01E+00
2818	490337.25	3859472.08	1.89E+00	1.46E-03	5.15E-01	8.01E-02	2.48E+00	2.49E+00	1.40E+02	5.15E+00	4.09E-01	1.48E+02	2.42E+00	1.77E-03	5.15E-01	8.01E-02	3.02E+00
2819	490297.07	3859500.42	1.88E+00	1.50E-03	4.76E-01	8.07E-02	2.44E+00	2.49E+00	1.44E+02	4.76E+00	4.12E-01	1.51E+02	2.41E+00	1.81E-03	4.76E-01	8.07E-02	2.97E+00
2820	490327.07	3859500.42	1.87E+00	1.49E-03	4.89E-01	8.12E-02	2.44E+00	2.47E+00	1.42E+02	4.89E+00	4.15E-01	1.50E+02	2.40E+00	1.80E-03	4.89E-01	8.12E-02	2.97E+00
2821	490297.07	3859530.42	1.89E+00	1.51E-03	4.49E-01	8.20E-02	2.42E+00	2.49E+00	1.44E+02	4.49E+00	4.19E-01	1.52E+02	2.42E+00	1.82E-03	4.49E-01	8.20E-02	2.95E+00
2822	490327.07	3859530.42	1.87E+00	1.49E-03	4.63E-01	8.24E-02	2.41E+00	2.46E+00	1.43E+02	4.63E+00	4.21E-01	1.50E+02	2.39E+00	1.80E-03	4.63E-01	8.24E-02	2.94E+00
2823	490319.73	3859055.34	1.90E+00	1.11E-03	4.90E-01	7.07E-02	2.46E+00	2.51E+00	1.06E+02	4.90E+00	3.61E-01	1.14E+02	2.44E+00	1.34E-03	4.90E-01	7.07E-02	3.00E+00
2824	490319.73	3859105.34	1.93E+00	1.17E-03	4.98E-01	7.29E-02	2.50E+00	2.55E+00	1.13E+02	4.98E+00	3.72E-01	1.21E+02	2.47E+00	1.42E-03	4.98E-01	7.29E-02	3.04E+00
2825	490069.73	3859155.34	1.97E+00	1.45E-03	6.07E-01	7.01E-02	2.65E+00	2.60E+00	1.39E+02	6.07E+00	3.58E-01	1.48E+02	2.52E+00	1.76E-03	6.07E-01	7.01E-02	3.20E+00
2826	490119.73	3859155.34	1.99E+00	1.42E-03	5.99E-01	7.11E-02	2.66E+00	2.62E+00	1.36E+02	5.99E+00	3.63E-01	1.45E+02	2.55E+00	1.72E-03	5.99E-01	7.11E-02	3.22E+00
2827	490269.73	3859155.34	1.93E+00	1.31E-03	5.51E-01	7.23E-02	2.56E+00	2.55E+00	1.26E+02	5.51E+00	3.69E-01	1.34E+02	2.48E+00	1.59E-03	5.51E-01	7.23E-02	3.10E+00
2828	490319.73	3859155.34	1.92E+00	1.24E-03	5.28E-01	7.27E-02	2.52E+00	2.53E+00	1.19E+02	5.28E+00	3.71E-01	1.28E+02	2.46E+00	1.51E-03	5.28E-01	7.27E-02	3.06E+00
2829	490069.73	3859205.34	2.02E+00	1.51E-03	6.00E-01	7.22E-02	2.69E+00	2.67E+00	1.45E+02	6.00E+00	3.69E-01	1.54E+02	2.59E+00	1.83E-03	6.00E-01	7.22E-02	3.27E+00
2830	490119.73	3859205.34	1.95E+00	1.49E-03	6.01E-01	7.23E-02	2.62E+00	2.57E+00	1.43E+02	6.01E+00	3.69E-01	1.52E+02	2.50E+00	1.80E-03	6.01E-01	7.23E-02	3.17E+00
2831	490169.73	3859205.34	1.93E+00	1.45E-03	5.96E-01	7.23E-02	2.60E+00	2.55E+00	1.39E+02	5.96E+00	3.69E-01	1.48E+02	2.48E+00	1.76E-03	5.96E-01	7.23E-02	3.15E+00
2832	490219.73	3859205.34	1.95E+00	1.40E-03	5.87E-01	7.24E-02	2.61E+00	2.57E+00	1.34E+02	5.87E+00	3.70E-01	1.43E+02	2.50E+00	1.70E-03	5.87E-01	7.24E-02	3.16E+00
2833	490269.73	3859205.34	1.95E+00	1.33E-03	5.73E-01	7.26E-02	2.59E+00	2.57E+00	1.27E+02	5.73E+00	3.71E-01	1.36E+02	2.49E+00	1.61E-03	5.73E-01	7.26E-02	3.14E+00
2834	490319.73	3859205.34	1.92E+00	1.28E-03	5.56E-01	7.12E-02	2.55E+00	2.54E+00	1.23E+02	5.56E+00	3.64E-01	1.31E+02	2.46E+00	1.55E-03	5.56E-01	7.12E-02	3.09E+00
2835	490069.73	3859255.34	2.05E+00	1.53E-03	5.78E-01	7.39E-02	2.70E+00	2.70E+00	1.47E+02	5.78E+00	3.78E-01	1.56E+02	2.62E+00	1.86E-03	5.78E-01	7.39E-02	3.28E+00
2836	490119.73	3859255.34	2.00E+00	1.51E-03	5.87E-01	7.31E-02	2.66E+00	2.64E+00	1.45E+02	5.87E+00	3.73E-01	1.54E+02	2.56E+00	1.83E-03	5.87E-01	7.31E-02	3.23E+00
2837	490169.73	3859255.34	1.94E+00	1.47E-03	5.91E-01	7.21E-02	2.61E+00	2.56E+00	1.41E+02	5.91E+00	3.68E-01	1.50E+02	2.49E+00	1.79E-03	5.91E-01	7.21E-02	3.15E+00
2838	490219.73	3859255.34	1.89E+00	1.42E-03	5.89E-01	7.11E-02	2.55E+00	2.50E+00	1.37E+02	5.89E+00	3.63E-01	1.45E+02	2.42E+00	1.73E-03	5.89E-01	7.11E-02	3.09E+00
2839	490269.73	3859255.34	1.91E+00	1.37E-03	5.83E-01	6.99E-02	2.57E+00	2.53E+00	1.31E+02	5.83E+00	3.57E-01	1.40E+02	2.45E+00	1.66E-03	5.83E-01	6.99E-02	3.11E+00
2840	490319.73	3859255.34	1.92E+00	1.32E-03	5.73E-01	6.81E-02	2.56E+00	2.53E+00	1.26E+02	5.73E+00	3.48E-01	1.35E+02	2.46E+00	1.60E-03	5.73E-01	6.81E-02	3.10E+00
2841	490069.73	3859305.34	2.03E+00	1.56E-03	5.44E-01	7.39E-02	2.65E+00	2.68E+00	1.50E+02	5.44E+00	3.77E-01	1.58E+02	2.61E+00	1.89E-03	5.44E-01	7.39E-02	3.22E+00
2842	490119.73	3859305.34	2.01E+00	1.55E-03	5.60E-01	7.21E-02	2.65E+00	2.66E+00	1.48E+02	5.60E+00	3.68E-01	1.57E+02	2.58E+00	1.87E-03	5.60E-01	7.21E-02	3.21E+00
2843	490169.73	3859305.34	1.98E+00	1.51E-03	5.72E-01	7.02E-02	2.62E+00	2.61E+00	1.45E+02	5.72E+00	3.59E-01	1.54E+02	2.54E+00	1.83E-03	5.72E-01	7.02E-02	3.18E+00
2844	490219.73	3859305.34	1.93E+00	1.46E-03	5.79E-01	6.92E-02	2.58E+00	2.55E+00	1.40E+02	5.79E+00	3.54E-01	1.48E+02	2.48E+00	1.77E-03	5.79E-01	6.92E-02	3.13E+00
2845	490269.73	3859305.34	1.87E+00	1.40E-03	5.80E-01	6.96E-02	2.52E+00	2.47E+00	1.34E+02	5.80E+00	3.56E-01	1.43E+02	2.40E+00	1.69E-03	5.80E-01	6.96E-02	3.05E+00
2846	490319.73	3859305.34	1.87E+00	1.34E-03	5.77E-01	7.05E-02	2.52E+00	2.47E+00	1.28E+02	5.77E+00	3.60E-01	1.37E+02	2.40E+00	1.62E-03	5.77E-01	7.05E-02	3.05E+00
2847	490069.73	3859355.34	2.03E+00	1.60E-03	4.99E-01	7.21E-02	2.60E+00	2.68E+00	1.53E+02	4.99E+00	3.68E-01	1.61E+02	2.60E+00	1.94E-03	4.99E-01	7.21E-02	3.17E+00
2848	490119.73	3859355.34	1.98E+00	1.58E-03	5.21E-01	7.02E-02	2.58E+00	2.62E+00	1.52E+02	5.21E+00	3.58E-01	1.60E+02	2.54E+00	1.91E-03	5.21E-01	7.02E-02	3.14E+00
2849	490169.73	3859355.34	1.98E+00	1.55E-03	5.41E-01	7.02E-02	2.59E+00	2.61E+00	1.48E+02	5.41E+00	3.59E-01	1.57E+02	2.54E+00	1.87E-03	5.41E-01	7.02E-02	3.15E+00
2850	490219.73	3859355.34	1.96E+00	1.50E-03	5.56E-01	7.14E-02	2.59E+00	2.59E+00	1.43E+02	5.56E+00	3.65E-01	1.52E+02	2.51E+00	1.81E-03	5.56E-01	7.14E-02	3.14E+00
2851	490269.73	3859355.34	1.92E+00	1.45E-03	5.65E-01	7.25E-02	2.56E+00	2.53E+00	1.39E+02	5.65E+00	3.70E-01	1.47E+02	2.46E+00	1.75E-03	5.65E-01	7.25E-02	3.10E+00
2852	490319.73	3859355.34	1.86E+00	1.38E-03	5.69E-01	7.35E-02	2.51E+00	2.46E+00	1.33E+02	5.69E+00	3.75E-01	1.41E+02	2.39E+00	1.68E-03	5.69E-01	7.35E-02	3.03E+00
2853	490069.73	3859405.34	2.01E+00	1.62E-03	4.84E-01	7.11E-02	2.57E+00	2.66E+00	1.56E+02	4.84E+00	3.63E-01	1.64E+02	2.58E+00	1.97E-03	4.84E-01	7.11E-02	3.14E+00
2854	490119.73	3859405.34	1.99E+00	1.60E-03	4.76E-01	7.19E-02	2.54E+00	2.63E+00	1.53E+02	4.76E+00	3.67E-01	1.61E+02	2.55E+00	1.94E-03	4.76E-01	7.19E-02	3.10E+00
2855	490169.73	3859405.34	1.95E+00	1.56E-03	5.01E-01	7.31E-02	2.53E+00	2.58E+00	1.50E+02	5.01E+00	3.74E-01	1.58E+02	2.50E+00	1.89E-03	5.01E-01	7.31E-02	3.08E+00
2856	490219.73	3859405.34	1.94E+00	1.53E-03	5.22E-01	7.43E-02	2.54E+00	2.57E+00	1.46E+02	5.22E+00	3.80E-01	1.54E+02	2.49E+00	1.85E-03	5.22E-01	7.43E-02	3.09E+00
2857	490269.73	3859405.34	1.93E+00	1.48E-03	5.39E-01	7.54E-02	2.55E+00	2.55E+00	1.42E+02	5.39E+00	3.85E-01	1.50E+02	2.48E+00	1.79E-03	5.39E-01	7.54E-02	3.09E+00
2858	490319.73	3859405.34	1.90E+00	1.43E-03	5.50E-01	7.63E-02	2.53E+00	2.51E+00	1.37E+02	5.50E+00	3.90E-01	1.45E+02	2.44E+00	1.73E-03	5.50E-01	7.63E-02	3.06E+00
2859	490161.89	3859541.83	1.88E+00	1.57E-03	4.73E-01	8.00E-02	2.43E+00	2.48E+00	1.51E+02	4.73E+00	4.09E-01	1.58E+02	2.40E+00	1.90E-03	4.73E-01	8.00E-02	2.96E+00
2860	490171.89	3859541.83	1.88E+00	1.57E-03	4.71E-01	8.02E-02	2.43E+00	2.49E+00	1.50E+02	4.71E+00	4.10E-01	1.58E+02	2.41E+00	1.90E-03	4.71E-01	8.02E-02	2.97E+00
2861	490161.89	3859551.83	1.86E+00	1.57E-03	4.72E-01	8.04E-02	2.41E+00	2.46E+00	1.50E+02	4.72E+00	4.11E-01	1.58E+02	2.38E+00	1.90E-03	4.72E-01	8.04E-02	2.94E+00
2862	490171.89	3859551.83	1.87E+00	1.56E-03	4.71E-01	8.06E-02	2.42E+00	2.47E+00	1.50E+02	4.71E+00	4.12E-01	1.57E+02	2.39E+00	1.89E-03	4.71E-01	8.06E-02	2.95E+00
2863	489799.72	3859348.21	2.10E+00	1.74E-03	5.27E-01	7.53E-02	2.70E+00	2.77E+00	1.67E+02	5.27E+00	3.85E-01	1.76E+02	2.69E+00	2.11E-03	5.27E-01	7.53E-02	3.29E+00

2864	489819.72	3859348.21	2.07E+00	1.73E-03	5.27E-01	7.55E-02	2.68E+00	2.74E+00	1.66E+02	5.27E+00	3.86E-01	1.75E+02	2.66E+00	2.10E-03	5.27E-01	7.55E-02	3.26E+00
2865	489799.72	3859368.21	2.10E+00	1.75E-03	5.22E-01	7.60E-02	2.70E+00	2.77E+00	1.68E+02	5.22E+00	3.88E-01	1.76E+02	2.69E+00	2.12E-03	5.22E-01	7.60E-02	3.29E+00
2866	489819.72	3859368.21	2.08E+00	1.74E-03	5.23E-01	7.61E-02	2.68E+00	2.75E+00	1.66E+02	5.23E+00	3.89E-01	1.75E+02	2.67E+00	2.10E-03	5.23E-01	7.61E-02	3.27E+00
2867	489775.41	3859329.72	2.11E+00	1.76E-03	5.31E-01	7.40E-02	2.72E+00	2.79E+00	1.69E+02	5.31E+00	3.78E-01	1.77E+02	2.71E+00	2.13E-03	5.31E-01	7.40E-02	3.32E+00
2868	489795.41	3859329.72	2.09E+00	1.75E-03	5.31E-01	7.43E-02	2.70E+00	2.76E+00	1.68E+02	5.31E+00	3.79E-01	1.76E+02	2.68E+00	2.12E-03	5.31E-01	7.43E-02	3.29E+00
2869	489775.41	3859349.72	2.12E+00	1.76E-03	5.27E-01	7.50E-02	2.72E+00	2.80E+00	1.69E+02	5.27E+00	3.83E-01	1.78E+02	2.72E+00	2.14E-03	5.27E-01	7.50E-02	3.32E+00
2870	489795.41	3859349.72	2.10E+00	1.75E-03	5.27E-01	7.53E-02	2.71E+00	2.78E+00	1.68E+02	5.27E+00	3.85E-01	1.76E+02	2.69E+00	2.12E-03	5.27E-01	7.53E-02	3.30E+00
2871	489595.05	3859219.43	2.25E+00	1.85E-03	5.57E-01	7.32E-02	2.89E+00	2.98E+00	1.77E+02	5.57E+00	3.74E-01	1.86E+02	2.89E+00	2.24E-03	5.57E-01	7.32E-02	3.52E+00
2872	489615.05	3859219.43	2.24E+00	1.82E-03	5.59E-01	7.00E-02	2.87E+00	2.96E+00	1.75E+02	5.59E+00	3.58E-01	1.84E+02	2.87E+00	2.21E-03	5.59E-01	7.00E-02	3.50E+00
2873	489595.05	3859239.43	2.25E+00	1.86E-03	5.50E-01	7.05E-02	2.87E+00	2.97E+00	1.78E+02	5.50E+00	3.60E-01	1.87E+02	2.88E+00	2.25E-03	5.50E-01	7.05E-02	3.50E+00
2874	489615.05	3859239.43	2.24E+00	1.84E-03	5.52E-01	6.70E-02	2.86E+00	2.96E+00	1.76E+02	5.52E+00	3.42E-01	1.85E+02	2.87E+00	2.23E-03	5.52E-01	6.70E-02	3.49E+00
2875	489372.4	3859092.58	2.46E+00	1.96E-03	5.80E-01	8.53E-02	3.12E+00	3.24E+00	1.88E+02	5.80E+00	4.36E-01	1.98E+02	3.15E+00	2.38E-03	5.80E-01	8.53E-02	3.82E+00
2876	489422.4	3859092.58	2.39E+00	1.91E-03	5.89E-01	8.71E-02	3.07E+00	3.16E+00	1.83E+02	5.89E+00	4.45E-01	1.92E+02	3.07E+00	2.31E-03	5.89E-01	8.71E-02	3.75E+00
2877	489372.4	3859142.58	2.47E+00	2.01E-03	5.48E-01	8.78E-02	3.10E+00	3.26E+00	1.93E+02	5.48E+00	4.49E-01	2.02E+02	3.16E+00	2.44E-03	5.48E-01	8.78E-02	3.80E+00
2878	489422.4	3859142.58	2.42E+00	1.96E-03	5.64E-01	8.80E-02	3.07E+00	3.19E+00	1.88E+02	5.64E+00	4.50E-01	1.97E+02	3.10E+00	2.37E-03	5.64E-01	8.80E-02	3.75E+00
2879	488870.84	3858666.64	2.96E+00	2.12E-03	6.69E-01	1.21E-01	3.76E+00	3.92E+00	2.03E+02	6.69E+00	6.20E-01	2.14E+02	3.80E+00	2.57E-03	6.69E-01	1.21E-01	4.59E+00
2880	488900.84	3858666.64	2.93E+00	2.08E-03	6.81E-01	1.24E-01	3.74E+00	3.87E+00	2.00E+02	6.81E+00	6.36E-01	2.11E+02	3.76E+00	2.52E-03	6.81E-01	1.24E-01	4.56E+00
2881	488870.84	3858696.64	2.99E+00	2.17E-03	6.47E-01	1.22E-01	3.76E+00	3.95E+00	2.08E+02	6.47E+00	6.23E-01	2.19E+02	3.83E+00	2.62E-03	6.47E-01	1.22E-01	4.60E+00
2882	488900.84	3858696.64	2.93E+00	2.12E-03	6.65E-01	1.26E-01	3.73E+00	3.88E+00	2.04E+02	6.65E+00	6.45E-01	2.15E+02	3.76E+00	2.57E-03	6.65E-01	1.26E-01	4.56E+00
2883	488889.67	3858683.97	2.94E+00	2.12E-03	6.68E-01	1.24E-01	3.74E+00	3.89E+00	2.03E+02	6.68E+00	6.33E-01	2.14E+02	3.78E+00	2.57E-03	6.68E-01	1.24E-01	4.57E+00
2884	488919.67	3858683.97	2.91E+00	2.08E-03	6.80E-01	1.28E-01	3.72E+00	3.84E+00	1.99E+02	6.80E+00	6.55E-01	2.11E+02	3.73E+00	2.52E-03	6.80E-01	1.28E-01	4.54E+00
2885	488889.67	3858713.97	2.97E+00	2.16E-03	6.45E-01	1.26E-01	3.74E+00	3.92E+00	2.07E+02	6.45E+00	6.43E-01	2.18E+02	3.80E+00	2.62E-03	6.45E-01	1.26E-01	4.58E+00
2886	488919.67	3858713.97	2.91E+00	2.10E-03	6.63E-01	1.31E-01	3.71E+00	3.85E+00	2.02E+02	6.63E+00	6.69E-01	2.13E+02	3.74E+00	2.55E-03	6.63E-01	1.31E-01	4.53E+00
2887	488906.61	3858703.33	2.93E+00	2.12E-03	6.64E-01	1.28E-01	3.72E+00	3.87E+00	2.03E+02	6.64E+00	6.53E-01	2.15E+02	3.76E+00	2.57E-03	6.64E-01	1.28E-01	4.55E+00
2888	488936.61	3858703.33	2.88E+00	2.05E-03	6.77E-01	1.33E-01	3.69E+00	3.81E+00	1.97E+02	6.77E+00	6.77E-01	2.08E+02	3.70E+00	2.49E-03	6.77E-01	1.33E-01	4.51E+00
2889	488906.61	3858733.33	2.95E+00	2.14E-03	6.41E-01	1.31E-01	3.73E+00	3.90E+00	2.05E+02	6.41E+00	6.69E-01	2.16E+02	3.78E+00	2.59E-03	6.41E-01	1.31E-01	4.56E+00
2890	488936.61	3858733.33	2.90E+00	2.06E-03	6.59E-01	1.35E-01	3.70E+00	3.83E+00	1.98E+02	6.59E+00	6.91E-01	2.09E+02	3.72E+00	2.50E-03	6.59E-01	1.35E-01	4.52E+00
2891	488637.63	3858467.85	3.27E+00	2.05E-03	1.18E+00	1.01E-01	4.56E+00	4.33E+00	1.96E+02	1.18E+01	5.14E-01	2.13E+02	4.20E+00	2.48E-03	1.18E+00	1.01E-01	5.48E+00
2892	488662.63	3858467.85	3.25E+00	2.06E-03	1.19E+00	9.92E-02	4.54E+00	4.29E+00	1.97E+02	1.19E+01	5.07E-01	2.14E+02	4.16E+00	2.49E-03	1.19E+00	9.92E-02	5.45E+00
2893	488637.63	3858492.85	3.30E+00	2.10E-03	1.08E+00	9.63E-02	4.48E+00	4.36E+00	2.01E+02	1.08E+01	4.92E-01	2.17E+02	4.23E+00	2.54E-03	1.08E+00	9.63E-02	5.41E+00
2894	488662.63	3858492.85	3.23E+00	2.10E-03	1.07E+00	9.74E-02	4.41E+00	4.27E+00	2.01E+02	1.07E+01	4.97E-01	2.17E+02	4.15E+00	2.54E-03	1.07E+00	9.74E-02	5.32E+00
2895	488687.63	3858492.85	3.21E+00	2.09E-03	1.09E+00	9.95E-02	4.40E+00	4.24E+00	2.01E+02	1.09E+01	5.08E-01	2.16E+02	4.11E+00	2.54E-03	1.09E+00	9.95E-02	5.30E+00
2896	488637.63	3858517.85	3.30E+00	2.15E-03	1.04E+00	9.53E-02	4.44E+00	4.36E+00	2.07E+02	1.04E+01	4.87E-01	2.22E+02	4.24E+00	2.61E-03	1.04E+00	9.53E-02	5.38E+00
2897	488662.63	3858517.85	3.26E+00	2.15E-03	9.93E-01	9.82E-02	4.35E+00	4.31E+00	2.06E+02	9.93E+00	5.01E-01	2.21E+02	4.18E+00	2.61E-03	9.93E-01	9.82E-02	5.27E+00
2898	488687.63	3858517.85	3.20E+00	2.15E-03	9.80E-01	1.00E-01	4.29E+00	4.23E+00	2.06E+02	9.80E+00	5.11E-01	2.20E+02	4.11E+00	2.60E-03	9.80E-01	1.00E-01	5.19E+00
2899	488194.42	3857168.98	2.84E+00	8.70E-04	5.06E-01	5.88E-02	3.41E+00	3.76E+00	8.34E+01	5.06E+00	3.00E-01	9.25E+01	3.65E+00	1.05E-03	5.06E-01	5.88E-02	4.21E+00
2900	488244.42	3857168.98	2.73E+00	9.21E-04	6.37E-01	5.84E-02	3.43E+00	3.61E+00	8.83E+01	6.37E+00	2.98E-01	9.86E+01	3.50E+00	1.12E-03	6.37E-01	5.84E-02	4.20E+00
2901	488294.42	3857168.98	2.63E+00	9.57E-04	7.37E-01	5.79E-02	3.42E+00	3.47E+00	9.18E+01	7.37E+00	2.96E-01	1.03E+02	3.37E+00	1.16E-03	7.37E-01	5.79E-02	4.16E+00
2902	488244.42	3857218.98	2.86E+00	9.31E-04	6.46E-01	5.82E-02	3.57E+00	3.78E+00	8.93E+01	6.46E+00	2.98E-01	9.98E+01	3.67E+00	1.13E-03	6.46E-01	5.82E-02	4.38E+00
2903	488294.42	3857218.98	2.76E+00	9.72E-04	7.36E-01	5.79E-02	3.55E+00	3.64E+00	9.33E+01	7.36E+00	2.96E-01	1.05E+02	3.53E+00	1.18E-03	7.36E-01	5.79E-02	4.33E+00
2904	488294.42	3857268.98	2.88E+00	9.94E-04	7.25E-01	6.04E-02	3.66E+00	3.80E+00	9.53E+01	7.25E+00	3.08E-01	1.07E+02	3.69E+00	1.20E-03	7.25E-01	6.04E-02	4.47E+00
2905	488139.13	3857111.68	2.81E+00	8.34E-04	4.93E-01	5.99E-02	3.36E+00	3.71E+00	8.00E+01	4.93E+00	3.06E-01	8.89E+01	3.60E+00	1.01E-03	4.93E-01	5.99E-02	4.15E+00
2906	488189.13	3857111.68	2.69E+00	8.70E-04	5.04E-01	5.84E-02	3.25E+00	3.56E+00	8.35E+01	5.04E+00	2.98E-01	9.24E+01	3.45E+00	1.05E-03	5.04E-01	5.84E-02	4.01E+00
2907	488189.13	3857161.68	2.84E+00	8.65E-04	5.07E-01	5.88E-02	3.40E+00	3.75E+00	8.29E+01	5.07E+00	3.00E-01	9.20E+01	3.64E+00	1.05E-03	5.07E-01	5.88E-02	4.20E+00
2908	487951.04	3856961.26	2.77E+00	7.30E-04	6.52E-01	9.39E-02	3.52E+00	3.66E+00	7.01E+01	6.52E+00	4.80E-01	8.07E+01	3.56E+00	8.85E-04	6.52E-01	9.39E-02	4.30E+00
2909	488001.04	3856961.26	2.67E+00	7.36E-04	5.65E-01	9.02E-02	3.33E+00	3.53E+00	7.06E+01	5.65E+00	4.61E-01	8.02E+01	3.42E+00	8.91E-04	5.65E-01	9.02E-02	4.08E+00
2910	488051.04	3856961.26	2.60E+00	7.47E-04	4.34E-01	8.74E-02	3.13E+00	3.44E+00	7.16E+01	4.34E+00	4.47E-01	7.98E+01	3.34E+00	9.05E-04	4.34E-01	8.74E-02	3.86E+00
2911	488101.04	3856961.26	2.52E+00	7.98E-04	4.44E-01	8.21E-02	3.05E+00	3.33E+00	7.65E+01	4.44E+00	4.19E-01	8.47E+01	3.24E+00	9.67E-04	4.44E-01	8.21E-02	3.76E+00
2912	487951.04	3857011.26	2.94E+00	7.56E-04	6.81E-01	8.57E-02	3.70E+00	3.88E+00	7.25E+01	6.81E+00	4.38E-01	8.36E+01	3.76E+00	9.16E-04	6.81E-01	8.57E-02	4.53E+00
2913	488001.04	3857011.26	2.82E+00	7.42E-04	5.78E-01	8.37E-02	3.48E+00	3.72E+00	7.11E+01	5.78E+00	4.27E-01	8.11E+01	3.62E+00	8.99E-04	5.78E-01	8.37E-02	4.28E+00
2914	488051.04	3857011.26	2.71E+00	7.55E-04	4.51E-01	8.14E-02	3.24E+00	3.57E+00	7.24E+01	4.51E+00	4.16E-01	8.09E+01	3.47E+00	9.14E-04	4.51E-01	8.14E-02	4.00E+00
2915	488101.04	3857011.26	2.60E+00	8.06E-04	4.51E-01	7.68E-02	3.13E+00	3.43E+00	7.73E+01	4.51E+00	3.92E-01	8.57E+01	3.33E+00	9.77E-04	4.51E-01	7.68E-02	3.86E+00
2916	488001.04	3857061.26	2.97E+00	7.57E-04	5.91E-01	7.49E-02	3.64E+00	3.93E+00	7.26E+01	5.91E+00	3.82E-01	8.28E+01	3.81E+00	9.17E-04	5.91E-01	7.49E-02	4.48E+00
2917	488051.04	3857061.26	2.86E+00	7.85E-04	4.68E-01	7.24E-02	3.40E+00	3.77E+00	7.52E+01	4.68E+00	3.70E-01	8.41E+01	3.66E+00	9.50E-04	4.68E-01	7.24E-02	4.20E+00
2918	488101.04	3857061.26	2.74E+00	8.19E-04	4.57E-01	6.94E-02	3.27E+00	3.62E+00	7.86E+01	4.57E+00	3.55E-01	8.71E+01	3.51E+00	9.92E-04	4.57E-01	6.94E-02	4.04E+00
2919	487638.98	3856673.79	2.73E+00	6.41E-04	8.14E-01	1.39E-01	3.68E+00	3.61E+00	6.14E+01	8.14E+00	7.13E-01	7.39E+01	3.50E+00	7.76E-04	8.14E-01	1.39E-01	4.45E+00
2920	487688.98	3856673.79	2.65E+00	6.55E-04	8.05E-01	1.34E-01	3.59E+00	3.50E+00	6.28E+01	8.05E+00	6.85E-01	7.50E+01	3.40E+00	7.93E-04	8.05E-01	1.34E-01	4.34E+00
2921	487638.98	3856723.79	2.83E+00	6.46E-04	8.31E-01	1.37E-01	3.80E+00	3.74E+00	6.19E+01	8.31E+00	6.97E-01	7.47E+01	3.63E+00	7.82E-04	8.31E-01	1.37E-01	4.60E+00
2922	487688.98	3856723.79	2.75E+00	6.54E-04	8.27E-01	1.32E-01	3.71E+00	3.63E+00	6.27E+01	8.27E+00	6.73E-01	7.53E+01	3.52E+00	7.92E-04	8.27E-01	1.32E-01	4.48E+00
2923	486324.61	3855740.57	2.44E+00	5.45E-04	5.37E-01	2.30E-01	3.20E+00	3.22E+00	5.23E+01	5.37E+00	1.17E+00	6.21E+01	3.12E+00	6.61E-04	5.37E-01	2.30E-01	3.89E+00
2924	486374.61	3855740.57	2.23E+00	5.39E-04	4.83E-01	2.29E-01	2.94E+00	2.95E+00	5.17E+01	4.83E+00	1.17E+00	6.06E+01	2.86E+00	6.53E-04	4.83E-01	2.29E-01	3.57E+00

2925	486424.61	3855740.57	2.12E+00	5.31E-04	3.69E-01	2.30E-01	2.72E+00	2.80E+00	5.09E+01	3.69E+00	1.18E+00	5.86E+01	2.72E+00	6.43E-04	3.69E-01	2.30E-01	3.32E+00
2926	486324.61	3855790.57	2.59E+00	5.46E-04	6.01E-01	2.44E-01	3.44E+00	3.42E+00	5.24E+01	6.01E+00	1.24E+00	6.31E+01	3.32E+00	6.62E-04	6.01E-01	2.44E-01	4.17E+00
2927	486374.61	3855790.57	2.40E+00	5.40E-04	5.65E-01	2.48E-01	3.21E+00	3.17E+00	5.18E+01	5.65E+00	1.26E+00	6.19E+01	3.07E+00	6.54E-04	5.65E-01	2.48E-01	3.89E+00
2928	486424.61	3855790.57	2.33E+00	5.32E-04	4.44E-01	2.45E-01	3.02E+00	3.08E+00	5.10E+01	4.44E+00	1.25E+00	5.98E+01	2.99E+00	6.45E-04	4.44E-01	2.45E-01	3.68E+00
2929	486324.61	3855840.57	2.72E+00	5.47E-04	6.50E-01	2.49E-01	3.62E+00	3.59E+00	5.25E+01	6.50E+00	1.27E+00	6.39E+01	3.48E+00	6.63E-04	6.50E-01	2.49E-01	4.38E+00
2930	486374.61	3855840.57	2.63E+00	5.42E-04	5.91E-01	2.45E-01	3.46E+00	3.47E+00	5.20E+01	5.91E+00	1.25E+00	6.26E+01	3.37E+00	6.56E-04	5.91E-01	2.45E-01	4.20E+00
2931	486424.61	3855840.57	2.51E+00	5.34E-04	5.10E-01	2.41E-01	3.27E+00	3.32E+00	5.12E+01	5.10E+00	1.23E+00	6.09E+01	3.22E+00	6.47E-04	5.10E-01	2.41E-01	3.98E+00
2932	486324.61	3855890.57	2.95E+00	5.49E-04	6.14E-01	2.32E-01	3.79E+00	3.89E+00	5.26E+01	6.14E+00	1.19E+00	6.38E+01	3.78E+00	6.65E-04	6.14E-01	2.32E-01	4.62E+00
2933	486374.61	3855890.57	2.83E+00	5.43E-04	6.00E-01	2.27E-01	3.66E+00	3.74E+00	5.21E+01	6.00E+00	1.16E+00	6.30E+01	3.63E+00	6.58E-04	6.00E-01	2.27E-01	4.45E+00
2934	486424.61	3855890.57	2.69E+00	5.36E-04	5.57E-01	2.22E-01	3.47E+00	3.56E+00	5.14E+01	5.57E+00	1.13E+00	6.16E+01	3.45E+00	6.49E-04	5.57E-01	2.22E-01	4.23E+00
2935	488735.69	3858285.64	3.23E+00	1.79E-03	1.76E+00	9.67E-02	5.09E+00	4.27E+00	1.72E+02	1.76E+01	4.94E-01	1.94E+02	4.15E+00	2.17E-03	1.76E+00	9.67E-02	6.00E+00
2936	488765.69	3858285.64	3.16E+00	1.80E-03	1.71E+00	9.81E-02	4.98E+00	4.18E+00	1.72E+02	1.71E+01	5.01E-01	1.94E+02	4.05E+00	2.18E-03	1.71E+00	9.81E-02	5.87E+00
2937	488735.69	3858315.64	3.25E+00	1.83E-03	1.75E+00	9.76E-02	5.10E+00	4.29E+00	1.75E+02	1.75E+01	4.99E-01	1.97E+02	4.16E+00	2.21E-03	1.75E+00	9.76E-02	6.01E+00
2938	488765.69	3858315.64	3.20E+00	1.83E-03	1.68E+00	9.87E-02	4.98E+00	4.23E+00	1.75E+02	1.68E+01	5.04E-01	1.97E+02	4.11E+00	2.22E-03	1.68E+00	9.87E-02	5.88E+00
2939	478676.63	3849871.93	1.61E+00	7.82E-04	1.52E-01	8.19E-02	1.84E+00	2.13E+00	7.50E+01	1.52E+00	4.18E-01	7.90E+01	2.06E+00	9.47E-04	1.52E-01	8.19E-02	2.30E+00
2940	479326.63	3849871.93	1.76E+00	4.81E-04	1.24E-01	1.11E-01	2.00E+00	2.33E+00	4.61E+01	1.24E+00	5.69E-01	5.02E+01	2.26E+00	5.82E-04	1.24E-01	1.11E-01	2.50E+00
2941	479376.63	3849871.93	1.72E+00	4.87E-04	1.22E-01	1.10E-01	1.95E+00	2.27E+00	4.67E+01	1.22E+00	5.63E-01	5.08E+01	2.21E+00	5.90E-04	1.22E-01	1.10E-01	2.44E+00
2942	479426.63	3849871.93	1.74E+00	4.92E-04	1.19E-01	1.09E-01	1.96E+00	2.29E+00	4.72E+01	1.19E+00	5.56E-01	5.13E+01	2.23E+00	5.96E-04	1.19E-01	1.09E-01	2.45E+00
2943	478726.63	3849921.93	1.62E+00	7.88E-04	1.53E-01	8.01E-02	1.85E+00	2.13E+00	7.56E+01	1.53E+00	4.09E-01	7.97E+01	2.07E+00	9.55E-04	1.53E-01	8.01E-02	2.30E+00
2944	478776.63	3849921.93	1.59E+00	7.60E-04	1.51E-01	8.38E-02	1.82E+00	2.10E+00	7.29E+01	1.51E+00	4.28E-01	7.69E+01	2.03E+00	9.21E-04	1.51E-01	8.38E-02	2.27E+00
2945	478826.63	3849921.93	1.54E+00	7.40E-04	1.50E-01	8.80E-02	1.78E+00	2.04E+00	7.09E+01	1.50E+00	4.49E-01	7.49E+01	1.98E+00	8.96E-04	1.50E-01	8.80E-02	2.22E+00
2946	478976.63	3849921.93	1.50E+00	6.79E-04	1.44E-01	9.88E-02	1.74E+00	1.98E+00	6.51E+01	1.44E+00	5.05E-01	6.90E+01	1.92E+00	8.22E-04	1.44E-01	9.88E-02	2.17E+00
2947	479026.63	3849921.93	1.56E+00	6.67E-04	1.42E-01	9.81E-02	1.80E+00	2.06E+00	6.40E+01	1.42E+00	5.01E-01	6.80E+01	2.00E+00	8.09E-04	1.42E-01	9.81E-02	2.24E+00
2948	479076.63	3849921.93	1.60E+00	6.43E-04	1.40E-01	9.96E-02	1.84E+00	2.12E+00	6.17E+01	1.40E+00	5.09E-01	6.57E+01	2.06E+00	7.80E-04	1.40E-01	9.96E-02	2.30E+00
2949	479126.63	3849921.93	1.63E+00	6.14E-04	1.38E-01	1.01E-01	1.87E+00	2.15E+00	5.89E+01	1.38E+00	5.18E-01	6.29E+01	2.09E+00	7.44E-04	1.38E-01	1.01E-01	2.33E+00
2950	479176.63	3849921.93	1.61E+00	5.89E-04	1.36E-01	1.01E-01	1.85E+00	2.13E+00	5.65E+01	1.36E+00	5.18E-01	6.05E+01	2.07E+00	7.13E-04	1.36E-01	1.01E-01	2.31E+00
2951	479226.63	3849921.93	1.67E+00	5.43E-04	1.33E-01	1.06E-01	1.91E+00	2.21E+00	5.21E+01	1.33E+00	5.39E-01	5.61E+01	2.14E+00	6.58E-04	1.33E-01	1.06E-01	2.38E+00
2952	479276.63	3849921.93	1.75E+00	4.91E-04	1.31E-01	1.12E-01	1.99E+00	2.31E+00	4.71E+01	1.31E+00	5.74E-01	5.13E+01	2.24E+00	5.95E-04	1.31E-01	1.12E-01	2.49E+00
2953	479326.63	3849921.93	1.77E+00	5.11E-04	1.28E-01	1.05E-01	2.00E+00	2.34E+00	4.90E+01	1.28E+00	5.35E-01	5.31E+01	2.27E+00	6.18E-04	1.28E-01	1.05E-01	2.50E+00
2954	479376.63	3849921.93	1.78E+00	4.84E-04	1.25E-01	1.10E-01	2.02E+00	2.35E+00	4.64E+01	1.25E+00	5.60E-01	5.06E+01	2.28E+00	5.86E-04	1.25E-01	1.10E-01	2.52E+00
2955	479426.63	3849921.93	1.74E+00	4.90E-04	1.23E-01	1.05E-01	1.97E+00	2.30E+00	4.70E+01	1.23E+00	5.38E-01	5.11E+01	2.23E+00	5.94E-04	1.23E-01	1.05E-01	2.46E+00
2956	478726.63	3849971.93	1.63E+00	8.21E-04	1.55E-01	7.48E-02	1.86E+00	2.15E+00	7.87E+01	1.55E+00	3.82E-01	8.28E+01	2.09E+00	9.95E-04	1.55E-01	7.48E-02	2.32E+00
2957	478776.63	3849971.93	1.62E+00	7.93E-04	1.54E-01	7.88E-02	1.86E+00	2.14E+00	7.61E+01	1.54E+00	4.03E-01	8.02E+01	2.08E+00	9.61E-04	1.54E-01	7.88E-02	2.31E+00
2958	478826.63	3849971.93	1.60E+00	7.64E-04	1.52E-01	8.29E-02	1.84E+00	2.11E+00	7.33E+01	1.52E+00	4.24E-01	7.73E+01	2.05E+00	9.25E-04	1.52E-01	8.29E-02	2.29E+00
2959	478976.63	3849971.93	1.50E+00	7.26E-04	1.47E-01	8.98E-02	1.74E+00	1.98E+00	6.96E+01	1.47E+00	4.59E-01	7.35E+01	1.92E+00	8.79E-04	1.47E-01	8.98E-02	2.16E+00
2960	479026.63	3849971.93	1.49E+00	7.01E-04	1.46E-01	9.33E-02	1.73E+00	1.97E+00	6.72E+01	1.46E+00	4.77E-01	7.11E+01	1.91E+00	8.49E-04	1.46E-01	9.33E-02	2.15E+00
2961	479076.63	3849971.93	1.56E+00	6.75E-04	1.44E-01	9.62E-02	1.80E+00	2.06E+00	6.47E+01	1.44E+00	4.91E-01	6.87E+01	2.00E+00	8.18E-04	1.44E-01	9.62E-02	2.24E+00
2962	479126.63	3849971.93	1.61E+00	6.51E-04	1.41E-01	9.75E-02	1.85E+00	2.12E+00	6.24E+01	1.41E+00	4.98E-01	6.65E+01	2.06E+00	7.89E-04	1.41E-01	9.75E-02	2.30E+00
2963	479176.63	3849971.93	1.63E+00	6.22E-04	1.39E-01	9.82E-02	1.86E+00	2.15E+00	5.96E+01	1.39E+00	5.02E-01	6.36E+01	2.09E+00	7.53E-04	1.39E-01	9.82E-02	2.32E+00
2964	479226.63	3849971.93	1.66E+00	5.54E-04	1.37E-01	1.11E-01	1.91E+00	2.20E+00	5.31E+01	1.37E+00	5.66E-01	5.73E+01	2.13E+00	6.71E-04	1.37E-01	1.11E-01	2.38E+00
2965	479276.63	3849971.93	1.68E+00	5.50E-04	1.34E-01	1.04E-01	1.92E+00	2.22E+00	5.27E+01	1.34E+00	5.30E-01	5.68E+01	2.15E+00	6.66E-04	1.34E-01	1.04E-01	2.39E+00
2966	479326.63	3849971.93	1.72E+00	5.55E-04	1.32E-01	9.83E-02	1.95E+00	2.28E+00	5.32E+01	1.32E+00	5.02E-01	5.73E+01	2.21E+00	6.72E-04	1.32E-01	9.83E-02	2.44E+00
2967	479376.63	3849971.93	1.79E+00	5.03E-04	1.29E-01	1.06E-01	2.03E+00	2.37E+00	4.83E+01	1.29E+00	5.40E-01	5.25E+01	2.30E+00	6.10E-04	1.29E-01	1.06E-01	2.53E+00
2968	479426.63	3849971.93	1.79E+00	4.93E-04	1.26E-01	1.03E-01	2.02E+00	2.36E+00	4.72E+01	1.26E+00	5.29E-01	5.14E+01	2.29E+00	5.97E-04	1.26E-01	1.03E-01	2.52E+00
2969	478726.63	3850021.93	1.62E+00	8.53E-04	1.57E-01	6.97E-02	1.85E+00	2.14E+00	8.18E+01	1.57E+00	3.56E-01	8.59E+01	2.08E+00	1.03E-03	1.57E-01	6.97E-02	2.30E+00
2970	478776.63	3850021.93	1.63E+00	8.26E-04	1.56E-01	7.39E-02	1.86E+00	2.16E+00	7.92E+01	1.56E+00	3.77E-01	8.33E+01	2.09E+00	1.00E-03	1.56E-01	7.39E-02	2.33E+00
2971	478826.63	3850021.93	1.63E+00	7.98E-04	1.55E-01	7.75E-02	1.86E+00	2.15E+00	7.66E+01	1.55E+00	3.96E-01	8.07E+01	2.09E+00	9.67E-04	1.55E-01	7.75E-02	2.32E+00
2972	478976.63	3850021.93	1.50E+00	7.53E-04	1.50E-01	8.53E-02	1.74E+00	1.99E+00	7.22E+01	1.50E+00	4.36E-01	7.61E+01	1.93E+00	9.12E-04	1.50E-01	8.53E-02	2.16E+00
2973	478726.63	3850071.93	1.59E+00	8.85E-04	1.59E-01	6.45E-02	1.81E+00	2.10E+00	8.48E+01	1.59E+00	3.30E-01	8.88E+01	2.03E+00	1.07E-03	1.59E-01	6.45E-02	2.26E+00
2974	478776.63	3850071.93	1.62E+00	8.60E-04	1.58E-01	6.83E-02	1.84E+00	2.13E+00	8.24E+01	1.58E+00	3.49E-01	8.65E+01	2.07E+00	1.04E-03	1.58E-01	6.83E-02	2.30E+00
2975	478826.63	3850071.93	1.63E+00	8.33E-04	1.57E-01	7.21E-02	1.86E+00	2.16E+00	7.99E+01	1.57E+00	3.68E-01	8.40E+01	2.09E+00	1.01E-03	1.57E-01	7.21E-02	2.32E+00
2976	478876.63	3850071.93	1.63E+00	8.05E-04	1.56E-01	7.54E-02	1.86E+00	2.15E+00	7.72E+01	1.56E+00	3.85E-01	8.13E+01	2.09E+00	9.76E-04	1.56E-01	7.54E-02	2.32E+00
2977	478976.63	3850071.93	1.56E+00	7.80E-04	1.53E-01	8.01E-02	1.80E+00	2.07E+00	7.48E+01	1.53E+00	4.09E-01	7.88E+01	2.01E+00	9.45E-04	1.53E-01	8.01E-02	2.24E+00
2978	478726.63	3850121.93	1.59E+00	9.15E-04	1.61E-01	5.97E-02	1.81E+00	2.09E+00	8.78E+01	1.61E+00	3.05E-01	9.18E+01	2.03E+00	1.11E-03	1.61E-01	5.97E-02	2.26E+00
2979	478776.63	3850121.93	1.58E+00	8.92E-04	1.60E-01	6.30E-02	1.80E+00	2.08E+00	8.56E+01	1.60E+00	3.22E-01	8.96E+01	2.02E+00	1.08E-03	1.60E-01	6.30E-02	2.25E+00
2980	478826.63	3850121.93	1.61E+00	8.67E-04	1.59E-01	6.67E-02	1.84E+00	2.13E+00	8.31E+01	1.59E+00	3.41E-01	8.72E+01	2.06E+00	1.05E-03	1.59E-01	6.67E-02	2.29E+00
2981	478876.63	3850121.93	1.63E+00	8.39E-04	1.58E-01	7.05E-02	1.86E+00	2.15E+00	8.05E+01	1.58E+00	3.60E-01	8.46E+01	2.09E+00	1.02E-03	1.58E-01	7.05E-02	2.32E+00
2982	478976.63	3850121.93	1.60E+00	8.06E-04	1.56E-01	7.52E-02	1.83E+00	2.12E+00	7.73E+01	1.56E+00	3.84E-01	8.13E+01	2.05E+00	9.76E-04	1.56E-01	7.52E-02	2.29E+00
2983	479026.63	3850121.93	1.57E+00	7.94E-04	1.54E-01	7.75E-02	1.80E+00	2.07E+00	7.61E+01	1.54E+00	3.96E-01	8.01E+01	2.01E+00	9.62E-04	1.54E-01	7.75E-02	2.24E+00
2984	479076.63	3850121.93	1.52E+00	7.76E-04	1.53E-01	8.05E-02	1.76E+00	2.01E+00	7.44E+01	1.53E+00	4.11E-01	7.83E+01	1.95E+00	9.40E-04	1.53E-01	8.05E-02	2.19E+00
2985	479126.63	3850121.93	1.50E+00	7.56E-04	1.51E-01	8.30E-02	1.73E+00	1.98E+00	7.25E+01	1.51E+00	4.24E-01	7.65E+01	1.92E+00	9.16E-04	1.51E-01	8.30E-02	2.16E+00

2986	478776.63	3850171.93	1.59E+00	9.23E-04	1.62E-01	5.83E-02	1.81E+00	2.10E+00	8.85E+01	1.62E+00	2.98E-01	9.25E+01	2.04E+00	1.12E-03	1.62E-01	5.83E-02	2.26E+00
2987	478826.63	3850171.93	1.57E+00	8.98E-04	1.61E-01	6.20E-02	1.80E+00	2.08E+00	8.62E+01	1.61E+00	3.17E-01	9.02E+01	2.02E+00	1.09E-03	1.61E-01	6.20E-02	2.24E+00
2988	478876.63	3850171.93	1.61E+00	8.72E-04	1.60E-01	6.56E-02	1.83E+00	2.12E+00	8.37E+01	1.60E+00	3.35E-01	8.77E+01	2.06E+00	1.06E-03	1.60E-01	6.56E-02	2.29E+00
2989	478976.63	3850171.93	1.61E+00	8.30E-04	1.58E-01	7.03E-02	1.84E+00	2.13E+00	7.96E+01	1.58E+00	3.59E-01	8.37E+01	2.07E+00	1.01E-03	1.58E-01	7.03E-02	2.30E+00
2990	479026.63	3850171.93	1.59E+00	8.23E-04	1.57E-01	7.19E-02	1.82E+00	2.10E+00	7.89E+01	1.57E+00	3.68E-01	8.29E+01	2.04E+00	9.97E-04	1.57E-01	7.19E-02	2.27E+00
2991	479076.63	3850171.93	1.57E+00	8.06E-04	1.55E-01	7.50E-02	1.80E+00	2.07E+00	7.73E+01	1.55E+00	3.83E-01	8.13E+01	2.01E+00	9.77E-04	1.55E-01	7.50E-02	2.24E+00
2992	479126.63	3850171.93	1.53E+00	7.90E-04	1.54E-01	7.74E-02	1.76E+00	2.02E+00	7.57E+01	1.54E+00	3.95E-01	7.97E+01	1.96E+00	9.57E-04	1.54E-01	7.74E-02	2.19E+00
2993	479176.63	3850171.93	1.48E+00	7.74E-04	1.52E-01	7.86E-02	1.71E+00	1.96E+00	7.43E+01	1.52E+00	4.02E-01	7.82E+01	1.90E+00	9.38E-04	1.52E-01	7.86E-02	2.13E+00
2994	479226.63	3850171.93	1.45E+00	7.66E-04	1.50E-01	7.70E-02	1.68E+00	1.92E+00	7.35E+01	1.50E+00	3.93E-01	7.73E+01	1.86E+00	9.28E-04	1.50E-01	7.70E-02	2.09E+00
2995	479276.63	3850171.93	1.47E+00	7.55E-04	1.48E-01	7.48E-02	1.69E+00	1.94E+00	7.24E+01	1.48E+00	3.82E-01	7.62E+01	1.89E+00	9.15E-04	1.48E-01	7.48E-02	2.11E+00
2996	479326.63	3850171.93	1.53E+00	7.23E-04	1.46E-01	7.75E-02	1.76E+00	2.03E+00	6.93E+01	1.46E+00	3.96E-01	7.32E+01	1.97E+00	8.76E-04	1.46E-01	7.75E-02	2.19E+00
2997	479376.63	3850171.93	1.58E+00	6.87E-04	1.44E-01	8.04E-02	1.81E+00	2.09E+00	6.59E+01	1.44E+00	4.11E-01	6.98E+01	2.03E+00	8.32E-04	1.44E-01	8.04E-02	2.25E+00
2998	478676.63	3850221.93	1.61E+00	9.85E-04	1.64E-01	4.82E-02	1.82E+00	2.12E+00	9.45E+01	1.64E+00	2.46E-01	9.85E+01	2.06E+00	1.19E-03	1.64E-01	4.82E-02	2.27E+00
2999	478726.63	3850221.93	1.61E+00	9.71E-04	1.64E-01	5.09E-02	1.83E+00	2.13E+00	9.32E+01	1.64E+00	2.60E-01	9.72E+01	2.07E+00	1.18E-03	1.64E-01	5.09E-02	2.28E+00
3000	478976.63	3850221.93	1.60E+00	8.57E-04	1.60E-01	6.51E-02	1.82E+00	2.11E+00	8.22E+01	1.60E+00	3.33E-01	8.62E+01	2.05E+00	1.04E-03	1.60E-01	6.51E-02	2.28E+00
3001	479026.63	3850221.93	1.59E+00	8.49E-04	1.59E-01	6.69E-02	1.82E+00	2.10E+00	8.14E+01	1.59E+00	3.42E-01	8.55E+01	2.04E+00	1.03E-03	1.59E-01	6.69E-02	2.27E+00
3002	479076.63	3850221.93	1.59E+00	8.35E-04	1.58E-01	6.98E-02	1.82E+00	2.10E+00	8.01E+01	1.58E+00	3.57E-01	8.41E+01	2.03E+00	1.01E-03	1.58E-01	6.98E-02	2.26E+00
3003	479126.63	3850221.93	1.56E+00	8.21E-04	1.56E-01	7.20E-02	1.79E+00	2.06E+00	7.87E+01	1.56E+00	3.68E-01	8.27E+01	2.00E+00	9.94E-04	1.56E-01	7.20E-02	2.23E+00
3004	479176.63	3850221.93	1.51E+00	8.11E-04	1.55E-01	7.24E-02	1.74E+00	1.99E+00	7.78E+01	1.55E+00	3.70E-01	8.17E+01	1.93E+00	9.83E-04	1.55E-01	7.24E-02	2.16E+00
3005	479226.63	3850221.93	1.44E+00	8.00E-04	1.53E-01	7.22E-02	1.67E+00	1.91E+00	7.67E+01	1.53E+00	3.69E-01	8.06E+01	1.85E+00	9.69E-04	1.53E-01	7.22E-02	2.08E+00
3006	479276.63	3850221.93	1.42E+00	7.87E-04	1.51E-01	7.16E-02	1.64E+00	1.87E+00	7.55E+01	1.51E+00	3.65E-01	7.92E+01	1.82E+00	9.53E-04	1.51E-01	7.16E-02	2.04E+00
3007	479326.63	3850221.93	1.48E+00	7.56E-04	1.49E-01	7.45E-02	1.70E+00	1.95E+00	7.25E+01	1.49E+00	3.81E-01	7.63E+01	1.90E+00	9.16E-04	1.49E-01	7.45E-02	2.12E+00
3008	479376.63	3850221.93	1.54E+00	7.27E-04	1.47E-01	7.61E-02	1.76E+00	2.03E+00	6.97E+01	1.47E+00	3.89E-01	7.36E+01	1.97E+00	8.81E-04	1.47E-01	7.61E-02	2.19E+00
3009	478676.63	3850271.93	1.56E+00	1.01E-03	1.65E-01	4.41E-02	1.77E+00	2.07E+00	9.67E+01	1.65E+00	2.25E-01	1.01E+02	2.01E+00	1.22E-03	1.65E-01	4.41E-02	2.22E+00
3010	478726.63	3850271.93	1.59E+00	9.97E-04	1.65E-01	4.68E-02	1.80E+00	2.10E+00	9.56E+01	1.65E+00	2.39E-01	9.96E+01	2.04E+00	1.21E-03	1.65E-01	4.68E-02	2.25E+00
3011	478976.63	3850271.93	1.57E+00	8.90E-04	1.62E-01	6.10E-02	1.80E+00	2.08E+00	8.53E+01	1.62E+00	3.11E-01	8.93E+01	2.01E+00	1.08E-03	1.62E-01	6.10E-02	2.24E+00
3012	479026.63	3850271.93	1.58E+00	8.73E-04	1.61E-01	6.24E-02	1.80E+00	2.08E+00	8.37E+01	1.61E+00	3.19E-01	8.77E+01	2.02E+00	1.06E-03	1.61E-01	6.24E-02	2.25E+00
3013	479076.63	3850271.93	1.58E+00	8.63E-04	1.60E-01	6.46E-02	1.80E+00	2.08E+00	8.28E+01	1.60E+00	3.30E-01	8.68E+01	2.02E+00	1.05E-03	1.60E-01	6.46E-02	2.25E+00
3014	479126.63	3850271.93	1.57E+00	8.52E-04	1.59E-01	6.65E-02	1.79E+00	2.07E+00	8.17E+01	1.59E+00	3.40E-01	8.57E+01	2.01E+00	1.03E-03	1.59E-01	6.65E-02	2.24E+00
3015	479176.63	3850271.93	1.53E+00	8.42E-04	1.58E-01	6.75E-02	1.76E+00	2.03E+00	8.07E+01	1.58E+00	3.45E-01	8.47E+01	1.97E+00	1.02E-03	1.58E-01	6.75E-02	2.19E+00
3016	479226.63	3850271.93	1.49E+00	8.32E-04	1.56E-01	6.77E-02	1.71E+00	1.96E+00	7.98E+01	1.56E+00	3.46E-01	8.36E+01	1.90E+00	1.01E-03	1.56E-01	6.77E-02	2.13E+00
3017	479276.63	3850271.93	1.44E+00	8.15E-04	1.54E-01	6.87E-02	1.66E+00	1.90E+00	7.81E+01	1.54E+00	3.51E-01	8.19E+01	1.84E+00	9.87E-04	1.54E-01	6.87E-02	2.06E+00
3018	479326.63	3850271.93	1.43E+00	7.88E-04	1.52E-01	7.13E-02	1.66E+00	1.89E+00	7.56E+01	1.52E+00	3.64E-01	7.94E+01	1.83E+00	9.55E-04	1.52E-01	7.13E-02	2.06E+00
3019	479376.63	3850271.93	1.49E+00	7.55E-04	1.50E-01	7.48E-02	1.72E+00	1.97E+00	7.24E+01	1.50E+00	3.82E-01	7.63E+01	1.91E+00	9.15E-04	1.50E-01	7.48E-02	2.14E+00
3020	479053.24	3850293.52	1.56E+00	8.81E-04	1.62E-01	6.12E-02	1.79E+00	2.06E+00	8.44E+01	1.62E+00	3.13E-01	8.84E+01	2.00E+00	1.07E-03	1.62E-01	6.12E-02	2.23E+00
3021	479103.24	3850293.52	1.56E+00	8.71E-04	1.61E-01	6.30E-02	1.79E+00	2.06E+00	8.36E+01	1.61E+00	3.22E-01	8.76E+01	2.00E+00	1.06E-03	1.61E-01	6.30E-02	2.23E+00
3022	479153.24	3850293.52	1.55E+00	8.58E-04	1.59E-01	6.52E-02	1.78E+00	2.05E+00	8.23E+01	1.59E+00	3.33E-01	8.63E+01	1.99E+00	1.04E-03	1.59E-01	6.52E-02	2.22E+00
3023	479203.24	3850293.52	1.52E+00	8.49E-04	1.58E-01	6.57E-02	1.74E+00	2.01E+00	8.15E+01	1.58E+00	3.36E-01	8.54E+01	1.95E+00	1.03E-03	1.58E-01	6.57E-02	2.17E+00
3024	479253.24	3850293.52	1.48E+00	8.36E-04	1.56E-01	6.66E-02	1.70E+00	1.95E+00	8.01E+01	1.56E+00	3.40E-01	8.40E+01	1.89E+00	1.01E-03	1.56E-01	6.66E-02	2.12E+00
3025	479303.24	3850293.52	1.44E+00	8.13E-04	1.55E-01	6.89E-02	1.67E+00	1.90E+00	7.80E+01	1.55E+00	3.52E-01	8.18E+01	1.85E+00	9.85E-04	1.55E-01	6.89E-02	2.07E+00
3026	479353.24	3850293.52	1.44E+00	7.84E-04	1.53E-01	7.21E-02	1.67E+00	1.91E+00	7.52E+01	1.53E+00	3.68E-01	7.90E+01	1.85E+00	9.50E-04	1.53E-01	7.21E-02	2.08E+00
3027	479153.24	3850343.52	1.54E+00	8.87E-04	1.62E-01	6.02E-02	1.76E+00	2.03E+00	8.51E+01	1.62E+00	3.07E-01	8.91E+01	1.97E+00	1.08E-03	1.62E-01	6.02E-02	2.19E+00
3028	479203.24	3850343.52	1.41E+00	8.78E-04	1.61E-01	6.13E-02	1.63E+00	1.86E+00	8.42E+01	1.61E+00	3.13E-01	8.79E+01	1.80E+00	1.06E-03	1.61E-01	6.13E-02	2.02E+00
3029	479253.24	3850343.52	1.51E+00	8.60E-04	1.59E-01	6.36E-02	1.73E+00	2.00E+00	8.25E+01	1.59E+00	3.25E-01	8.64E+01	1.94E+00	1.04E-03	1.59E-01	6.36E-02	2.16E+00
3030	479303.24	3850343.52	1.50E+00	8.38E-04	1.57E-01	6.64E-02	1.72E+00	1.98E+00	8.04E+01	1.57E+00	3.39E-01	8.43E+01	1.92E+00	1.02E-03	1.57E-01	6.64E-02	2.14E+00
3031	479353.24	3850343.52	1.47E+00	8.13E-04	1.56E-01	6.92E-02	1.69E+00	1.94E+00	7.79E+01	1.56E+00	3.54E-01	8.18E+01	1.88E+00	9.85E-04	1.56E-01	6.92E-02	2.11E+00
3032	479203.24	3850393.52	1.43E+00	9.01E-04	1.63E-01	5.78E-02	1.65E+00	1.88E+00	8.65E+01	1.63E+00	2.95E-01	9.03E+01	1.83E+00	1.09E-03	1.63E-01	5.78E-02	2.05E+00
3033	479253.24	3850393.52	1.42E+00	8.85E-04	1.62E-01	6.01E-02	1.65E+00	1.88E+00	8.49E+01	1.62E+00	3.07E-01	8.87E+01	1.82E+00	1.07E-03	1.62E-01	6.01E-02	2.05E+00
3034	479303.24	3850393.52	1.41E+00	8.65E-04	1.60E-01	6.29E-02	1.63E+00	1.86E+00	8.30E+01	1.60E+00	3.21E-01	8.67E+01	1.81E+00	1.05E-03	1.60E-01	6.29E-02	2.03E+00
3035	479353.24	3850393.52	1.51E+00	8.41E-04	1.59E-01	6.59E-02	1.74E+00	2.00E+00	8.07E+01	1.59E+00	3.37E-01	8.46E+01	1.94E+00	1.02E-03	1.59E-01	6.59E-02	2.16E+00
3036	479403.24	3850393.52	1.48E+00	8.16E-04	1.57E-01	6.88E-02	1.71E+00	1.96E+00	7.82E+01	1.57E+00	3.51E-01	8.21E+01	1.90E+00	9.88E-04	1.57E-01	6.88E-02	2.13E+00
3037	479453.24	3850393.52	1.48E+00	7.83E-04	1.55E-01	7.25E-02	1.71E+00	1.96E+00	7.51E+01	1.55E+00	3.70E-01	7.90E+01	1.90E+00	9.49E-04	1.55E-01	7.25E-02	2.13E+00
3038	479503.24	3850393.52	1.54E+00	7.46E-04	1.53E-01	7.66E-02	1.77E+00	2.04E+00	7.15E+01	1.53E+00	3.91E-01	7.55E+01	1.98E+00	9.04E-04	1.53E-01	7.66E-02	2.21E+00
3039	479303.24	3850443.52	1.44E+00	8.87E-04	1.63E-01	6.03E-02	1.67E+00	1.90E+00	8.50E+01	1.63E+00	3.08E-01	8.89E+01	1.85E+00	1.07E-03	1.63E-01	6.03E-02	2.07E+00
3040	479353.24	3850443.52	1.55E+00	8.63E-04	1.61E-01	6.39E-02	1.78E+00	2.05E+00	8.27E+01	1.61E+00	3.26E-01	8.67E+01	1.99E+00	1.05E-03	1.61E-01	6.39E-02	2.22E+00
3041	479403.24	3850443.52	1.55E+00	8.35E-04	1.60E-01	6.78E-02	1.78E+00	2.05E+00	8.01E+01	1.60E+00	3.46E-01	8.41E+01	1.99E+00	1.01E-03	1.60E-01	6.78E-02	2.22E+00
3042	479453.24	3850443.52	1.53E+00	8.05E-04	1.58E-01	7.16E-02	1.77E+00	2.03E+00	7.72E+01	1.58E+00	3.66E-01	8.12E+01	1.97E+00	9.76E-04	1.58E-01	7.16E-02	2.20E+00
3043	479503.24	3850443.52	1.53E+00	7.72E-04	1.56E-01	7.56E-02	1.77E+00	2.02E+00	7.40E+01	1.56E+00	3.86E-01	7.80E+01	1.97E+00	9.35E-04	1.56E-01	7.56E-02	2.20E+00
3044	480327.18	3850987.04	1.66E+00	7.70E-04	1.57E-01	5.16E-02	1.87E+00	2.19E+00	7.39E+01	1.57E+00	2.63E-01	7.79E+01	2.13E+00	9.33E-04	1.57E-01	5.16E-02	2.34E+00
3045	480377.18	3850987.04	1.71E+00	7.67E-04	1.54E-01	5.28E-02	1.91E+00	2.25E+00	7.35E+01	1.54E+00	2.70E-01	7.76E+01	2.19E+00	9.29E-04	1.54E-01	5.28E-02	2.39E+00
3046	480427.18	3850987.04	1.73E+00	7.44E-04	1.51E-01	5.48E-02	1.94E+00	2.29E+00	7.13E+01	1.51E+00	2.80E-01	7.54E+01	2.22E+00	9.01E-04	1.51E-01	5.48E-02	2.42E+00

3047	480477.18	3850987.04	1.73E+00	7.05E-04	1.48E-01	5.72E-02	1.94E+00	2.29E+00	6.77E+01	1.48E+00	2.92E-01	7.17E+01	2.22E+00	8.55E-04	1.48E-01	5.72E-02	2.43E+00
3048	480327.18	3851037.04	1.63E+00	7.75E-04	1.61E-01	4.96E-02	1.85E+00	2.16E+00	7.44E+01	1.61E+00	2.53E-01	7.84E+01	2.10E+00	9.39E-04	1.61E-01	4.96E-02	2.31E+00
3049	480377.18	3851037.04	1.68E+00	7.81E-04	1.58E-01	5.10E-02	1.89E+00	2.22E+00	7.49E+01	1.58E+00	2.60E-01	7.89E+01	2.15E+00	9.46E-04	1.58E-01	5.10E-02	2.36E+00
3050	480427.18	3851037.04	1.73E+00	7.69E-04	1.55E-01	5.27E-02	1.93E+00	2.28E+00	7.37E+01	1.55E+00	2.69E-01	7.78E+01	2.21E+00	9.31E-04	1.55E-01	5.27E-02	2.42E+00
3051	480477.18	3851037.04	1.75E+00	7.44E-04	1.52E-01	5.41E-02	1.96E+00	2.31E+00	7.14E+01	1.52E+00	2.76E-01	7.55E+01	2.25E+00	9.02E-04	1.52E-01	5.41E-02	2.45E+00
3052	480622.06	3851087.39	1.76E+00	6.66E-04	1.48E-01	5.51E-02	1.97E+00	2.33E+00	6.39E+01	1.48E+00	2.82E-01	6.80E+01	2.26E+00	8.07E-04	1.48E-01	5.51E-02	2.46E+00
3053	480672.06	3851087.39	1.79E+00	6.32E-04	1.44E-01	5.58E-02	1.99E+00	2.37E+00	6.06E+01	1.44E+00	2.85E-01	6.47E+01	2.30E+00	7.66E-04	1.44E-01	5.58E-02	2.50E+00
3054	480622.06	3851137.39	1.80E+00	7.13E-04	1.52E-01	5.20E-02	2.01E+00	2.38E+00	6.84E+01	1.52E+00	2.66E-01	7.26E+01	2.31E+00	8.64E-04	1.52E-01	5.20E-02	2.52E+00
3055	480672.06	3851137.39	1.79E+00	6.66E-04	1.49E-01	5.30E-02	1.99E+00	2.36E+00	6.39E+01	1.49E+00	2.71E-01	6.80E+01	2.29E+00	8.07E-04	1.49E-01	5.30E-02	2.49E+00
3056	480722.06	3851137.39	1.82E+00	6.47E-04	1.45E-01	5.35E-02	2.02E+00	2.40E+00	6.20E+01	1.45E+00	2.73E-01	6.62E+01	2.33E+00	7.84E-04	1.45E-01	5.35E-02	2.53E+00
3057	480622.06	3851187.39	1.82E+00	7.57E-04	1.57E-01	4.93E-02	2.03E+00	2.40E+00	7.26E+01	1.57E+00	2.52E-01	7.68E+01	2.33E+00	9.17E-04	1.57E-01	4.93E-02	2.54E+00
3058	480672.06	3851187.39	1.83E+00	7.14E-04	1.53E-01	5.00E-02	2.03E+00	2.41E+00	6.85E+01	1.53E+00	2.56E-01	7.27E+01	2.34E+00	8.65E-04	1.53E-01	5.00E-02	2.55E+00
3059	480722.06	3851187.39	1.81E+00	6.78E-04	1.50E-01	5.04E-02	2.01E+00	2.39E+00	6.50E+01	1.50E+00	2.58E-01	6.92E+01	2.32E+00	8.22E-04	1.50E-01	5.04E-02	2.52E+00
3060	471363.09	3845877.25	3.55E-01	3.06E-04	8.10E-02	4.57E-02	4.82E-01	4.69E-01	2.93E+01	8.10E-01	2.33E-01	3.08E+01	4.55E-01	3.71E-04	8.10E-02	4.57E-02	5.82E-01
3061	471863.09	3845877.25	3.22E-01	3.11E-04	9.34E-02	4.48E-02	4.60E-01	4.25E-01	2.98E+01	9.34E-01	2.29E-01	3.14E+01	4.13E-01	3.77E-04	9.34E-02	4.48E-02	5.51E-01
3062	472363.09	3845877.25	4.09E-01	3.37E-04	1.04E-01	4.15E-02	5.55E-01	5.40E-01	3.23E+01	1.04E+00	2.12E-01	3.41E+01	5.24E-01	4.08E-04	1.04E-01	4.15E-02	6.70E-01
3063	472863.09	3845877.25	2.92E-01	1.48E-04	1.11E-01	3.63E-02	4.40E-01	3.86E-01	1.42E+01	1.11E+00	1.85E-01	1.58E+01	3.75E-01	1.79E-04	1.11E-01	3.63E-02	5.22E-01
3064	473363.09	3845877.25	3.74E-01	1.31E-04	1.12E-01	2.99E-02	5.16E-01	4.94E-01	1.26E+01	1.12E+00	1.53E-01	1.44E+01	4.79E-01	1.59E-04	1.12E-01	2.99E-02	6.22E-01
3065	473863.09	3845877.25	6.27E-01	1.82E-04	1.09E-01	2.33E-02	7.59E-01	8.28E-01	1.74E+01	1.09E+00	1.19E-01	1.95E+01	8.04E-01	2.20E-04	1.09E-01	2.33E-02	9.36E-01
3066	474363.09	3845877.25	5.77E-01	3.27E-04	9.93E-02	1.85E-02	6.95E-01	7.62E-01	3.13E+01	9.93E-01	9.45E-02	3.32E+01	7.40E-01	3.96E-04	9.93E-02	1.85E-02	8.58E-01
3067	474863.09	3845877.25	6.14E-01	3.62E-04	8.59E-02	3.02E-02	7.30E-01	8.11E-01	3.47E+01	8.59E-01	1.54E-01	3.65E+01	7.87E-01	4.38E-04	8.59E-02	3.02E-02	9.03E-01
3068	475363.09	3845877.25	7.41E-01	2.82E-04	7.02E-02	6.23E-02	8.73E-01	9.78E-01	2.71E+01	7.02E-01	3.18E-01	2.91E+01	9.49E-01	3.42E-04	7.02E-02	6.23E-02	1.08E+00
3069	475863.09	3845877.25	7.89E-01	1.89E-04	5.43E-02	6.50E-02	9.09E-01	1.04E+00	1.82E+01	5.43E-01	3.32E-01	2.01E+01	1.01E+00	2.29E-04	5.43E-02	6.50E-02	1.13E+00
3070	476363.09	3845877.25	8.32E-01	1.95E-04	4.56E-02	4.43E-02	9.22E-01	1.10E+00	1.87E+01	4.56E-01	2.26E-01	2.05E+01	1.07E+00	2.36E-04	4.56E-02	4.43E-02	1.16E+00
3071	476863.09	3845877.25	6.61E-01	2.35E-04	7.25E-02	2.67E-02	7.61E-01	8.74E-01	2.26E+01	7.25E-01	1.36E-01	2.43E+01	8.48E-01	2.85E-04	7.25E-02	2.67E-02	9.47E-01
3072	477363.09	3845877.25	4.93E-01	2.44E-04	1.51E-01	2.16E-02	6.67E-01	6.52E-01	2.34E+01	1.51E+00	1.10E-01	2.57E+01	6.33E-01	2.96E-04	1.51E-01	2.16E-02	8.06E-01
3073	477863.09	3845877.25	4.57E-01	2.36E-04	1.64E-01	1.91E-02	6.40E-01	6.03E-01	2.27E+01	1.64E+00	9.78E-02	2.50E+01	5.85E-01	2.86E-04	1.64E-01	1.91E-02	7.68E-01
3074	478363.09	3845877.25	6.23E-01	2.05E-04	1.10E-01	2.15E-02	7.54E-01	8.23E-01	1.96E+01	1.10E+00	1.10E-01	2.16E+01	7.98E-01	2.48E-04	1.10E-01	2.15E-02	9.30E-01
3075	478863.09	3845877.25	6.03E-01	1.50E-04	6.03E-02	2.35E-02	6.87E-01	7.96E-01	1.44E+01	6.03E-01	1.20E-01	1.59E+01	7.73E-01	1.82E-04	6.03E-02	2.35E-02	8.57E-01
3076	479363.09	3845877.25	3.95E-01	1.21E-04	6.36E-02	2.40E-02	4.83E-01	5.22E-01	1.16E+01	6.36E-01	1.23E-01	1.28E+01	5.07E-01	1.46E-04	6.36E-02	2.40E-02	5.94E-01
3077	479863.09	3845877.25	2.15E-01	1.31E-04	6.37E-02	2.91E-02	3.07E-01	2.84E-01	1.26E+01	6.37E-01	1.48E-01	1.37E+01	2.75E-01	1.59E-04	6.37E-02	2.91E-02	3.68E-01
3078	480363.09	3845877.25	2.29E-01	1.42E-04	5.36E-02	3.34E-02	3.16E-01	3.03E-01	1.36E+01	5.36E-01	1.71E-01	1.46E+01	2.94E-01	1.72E-04	5.36E-02	3.34E-02	3.81E-01
3079	480863.09	3845877.25	1.36E-01	1.20E-04	6.31E-02	3.58E-02	2.34E-01	1.79E-01	1.15E+01	6.31E-01	1.83E-01	1.25E+01	1.74E-01	1.45E-04	6.31E-02	3.58E-02	2.73E-01
3080	481363.09	3845877.25	1.50E-01	1.14E-04	6.93E-02	3.61E-02	2.55E-01	1.98E-01	1.09E+01	6.93E-01	1.84E-01	1.20E+01	1.92E-01	1.38E-04	6.93E-02	3.61E-02	2.97E-01
3081	481863.09	3845877.25	2.56E-01	1.67E-04	7.05E-02	3.51E-02	3.62E-01	3.38E-01	1.60E+01	7.05E-01	1.80E-01	1.72E+01	3.28E-01	2.02E-04	7.05E-02	3.51E-02	4.34E-01
3082	482363.09	3845877.25	2.73E-01	2.23E-04	7.89E-02	3.35E-02	3.85E-01	3.60E-01	2.14E+01	7.89E-01	1.71E-01	2.27E+01	3.50E-01	2.70E-04	7.89E-02	3.35E-02	4.62E-01
3083	482863.09	3845877.25	1.98E-01	1.93E-04	9.86E-02	3.15E-02	3.29E-01	2.62E-01	1.85E+01	9.86E-01	1.61E-01	1.99E+01	2.54E-01	2.34E-04	9.86E-02	3.15E-02	3.85E-01
3084	483363.09	3845877.25	1.39E-01	1.55E-04	1.22E-01	2.89E-02	2.90E-01	1.83E-01	1.49E+01	1.22E+00	1.48E-01	1.64E+01	1.78E-01	1.88E-04	1.22E-01	2.89E-02	3.29E-01
3085	483863.09	3845877.25	3.57E-01	1.15E-04	1.32E-01	2.55E-02	5.15E-01	4.71E-01	1.11E+01	1.32E+00	1.30E-01	1.30E+01	4.57E-01	1.40E-04	1.32E-01	2.55E-02	6.15E-01
3086	484363.09	3845877.25	3.93E-01	1.15E-04	1.26E-01	2.86E-02	5.48E-01	5.20E-01	1.10E+01	1.26E+00	1.46E-01	1.29E+01	5.04E-01	1.39E-04	1.26E-01	2.86E-02	6.59E-01
3087	484863.09	3845877.25	3.84E-01	2.10E-04	1.05E-01	3.14E-02	5.21E-01	5.08E-01	2.02E+01	1.05E+00	1.60E-01	2.19E+01	4.93E-01	2.55E-04	1.05E-01	3.14E-02	6.30E-01
3088	485363.09	3845877.25	2.82E-01	2.35E-04	1.00E-01	2.70E-02	4.10E-01	3.72E-01	2.25E+01	1.00E+00	1.38E-01	2.40E+01	3.61E-01	2.85E-04	1.00E-01	2.70E-02	4.89E-01
3089	485863.09	3845877.25	1.74E-01	2.21E-04	8.01E-02	2.19E-02	2.77E-01	2.30E-01	2.12E+01	8.01E-01	1.12E-01	2.24E+01	2.23E-01	2.68E-04	8.01E-02	2.19E-02	3.26E-01
3090	486363.09	3845877.25	1.49E-01	2.69E-04	8.24E-02	2.18E-02	2.54E-01	1.97E-01	2.58E+01	8.24E-01	1.11E-01	2.69E+01	1.91E-01	3.26E-04	8.24E-02	2.18E-02	2.96E-01
3091	486863.09	3845877.25	1.28E-01	2.25E-04	8.12E-02	2.21E-02	2.32E-01	1.69E-01	2.16E+01	8.12E-01	1.13E-01	2.26E+01	1.64E-01	2.72E-04	8.12E-02	2.21E-02	2.68E-01
3092	487363.09	3845877.25	1.15E-01	1.12E-04	9.86E-02	2.25E-02	2.37E-01	1.53E-01	1.08E+01	9.86E-01	1.15E-01	1.20E+01	1.48E-01	1.36E-04	9.86E-02	2.25E-02	2.69E-01
3093	487863.09	3845877.25	7.43E-02	8.24E-05	1.08E-01	1.88E-02	2.02E-01	9.81E-02	7.90E+00	1.08E+00	9.63E-02	9.18E+00	9.52E-02	9.98E-05	1.08E-01	1.88E-02	2.23E-01
3094	488363.09	3845877.25	8.77E-02	6.11E-05	1.13E-01	2.06E-02	2.22E-01	1.16E-01	5.86E+00	1.13E+00	1.05E-01	7.22E+00	1.12E-01	7.41E-05	1.13E-01	2.06E-02	2.46E-01
3095	488863.09	3845877.25	8.91E-02	9.57E-05	1.82E-01	2.42E-02	2.95E-01	1.18E-01	9.18E+00	1.82E+00	1.24E-01	1.12E+01	1.14E-01	1.16E-04	1.82E-01	2.42E-02	3.20E-01
3096	489363.09	3845877.25	8.77E-02	1.05E-04	1.32E-01	2.29E-02	2.43E-01	1.16E-01	1.00E+01	1.32E+00	1.17E-01	1.16E+01	1.12E-01	1.27E-04	1.32E-01	2.29E-02	2.68E-01
3097	489863.09	3845877.25	8.82E-02	4.77E-05	9.69E-02	1.71E-02	2.02E-01	1.16E-01	4.57E+00	9.69E-01	8.73E-02	5.75E+00	1.13E-01	5.78E-05	9.69E-02	1.71E-02	2.27E-01
3098	490363.09	3845877.25	6.46E-02	7.78E-05	8.56E-02	1.67E-02	1.67E-01	8.53E-02	7.46E+00	8.56E-01	8.56E-02	8.49E+00	8.28E-02	9.42E-05	8.56E-02	1.67E-02	1.85E-01
3099	490863.09	3845877.25	8.01E-02	9.94E-05	8.33E-02	1.34E-02	1.77E-01	1.06E-01	9.53E+00	8.33E-01	6.87E-02	1.05E+01	1.03E-01	1.20E-04	8.33E-02	1.34E-02	2.00E-01
3100	491363.09	3845877.25	8.49E-02	1.18E-04	9.53E-02	1.52E-02	1.96E-01	1.12E-01	1.13E+01	9.53E-01	7.77E-02	1.25E+01	1.09E-01	1.43E-04	9.53E-02	1.52E-02	2.20E-01
3101	491863.09	3845877.25	1.39E-01	1.41E-04	1.05E-01	1.71E-02	2.61E-01	1.84E-01	1.35E+01	1.05E+00	8.74E-02	1.48E+01	1.79E-01	1.71E-04	1.05E-01	1.71E-02	3.01E-01
3102	492363.09	3845877.25	2.25E-01	1.55E-04	8.60E-02	1.65E-02	3.28E-01	2.98E-01	1.49E+01	8.60E-01	8.45E-02	1.61E+01	2.89E-01	1.88E-04	8.60E-02	1.65E-02	3.92E-01
3103	492863.09	3845877.25	2.63E-01	1.50E-04	7.50E-02	1.57E-02	3.53E-01	3.47E-01	1.44E+01	7.50E-01	8.00E-02	1.55E+01	3.37E-01	1.81E-04	7.50E-02	1.57E-02	4.28E-01
3104	493363.09	3845877.25	2.70E-01	1.29E-04	7.01E-02	1.42E-02	3.55E-01	3.57E-01	1.24E+01	7.01E-01	7.25E-02	1.35E+01	3.46E-01	1.56E-04	7.01E-02	1.42E-02	4.31E-01
3105	493863.09	3845877.25	2.70E-01	1.03E-04	6.57E-02	1.20E-02	3.48E-01	3.57E-01	9.92E+00	6.57E-01	6.11E-02	1.10E+01	3.47E-01	1.25E-04	6.57E-02	1.20E-02	4.24E-01
3106	494363.09	3845877.25	2.67E-01	8.10E-05	8.33E-02	1.35E-02	3.64E-01	3.53E-01	7.76E+00	8.33E-01	6.88E-02	9.02E+00	3.43E-01	9.81E-05	8.33E-02	1.35E-02	4.40E-01
3107	494863.09	3845877.25	2.51E-01	6.81E-05	9.29E-02	1.50E-02	3.59E-01	3.31E-01	6.53E+00	9.29E-01	7.67E-02	7.87E+00	3.22E-01	8.25E-05	9.29E-02	1.50E-02	4.30E-01

3108	495363.09	3845877.25	1.99E-01	7.61E-05	9.11E-02	1.61E-02	3.06E-01	2.62E-01	7.30E+00	9.11E-01	8.21E-02	8.56E+00	2.55E-01	9.22E-05	9.11E-02	1.61E-02	3.62E-01
3109	495863.09	3845877.25	1.15E-01	1.08E-04	7.93E-02	1.63E-02	2.11E-01	1.52E-01	1.04E+01	7.93E-01	8.32E-02	1.14E+01	1.47E-01	1.31E-04	7.93E-02	1.63E-02	2.43E-01
3110	496363.09	3845877.25	6.93E-02	1.48E-04	8.16E-02	1.55E-02	1.67E-01	9.15E-02	1.42E+01	8.16E-01	7.92E-02	1.51E+01	8.88E-02	1.79E-04	8.16E-02	1.55E-02	1.86E-01
3111	496863.09	3845877.25	8.03E-02	1.69E-04	1.08E-01	1.67E-02	2.06E-01	1.06E-01	1.62E+01	1.08E+00	8.53E-02	1.75E+01	1.03E-01	2.05E-04	1.08E-01	1.67E-02	2.28E-01
3112	497363.09	3845877.25	9.02E-02	1.68E-04	1.24E-01	1.77E-02	2.32E-01	1.19E-01	1.61E+01	1.24E+00	9.02E-02	1.75E+01	1.16E-01	2.03E-04	1.24E-01	1.77E-02	2.57E-01
3113	497863.09	3845877.25	1.10E-01	1.70E-04	1.20E-01	1.82E-02	2.48E-01	1.45E-01	1.63E+01	1.20E+00	9.30E-02	1.77E+01	1.41E-01	2.06E-04	1.20E-01	1.82E-02	2.79E-01
3114	498363.09	3845877.25	1.16E-01	1.93E-04	1.01E-01	1.95E-02	2.37E-01	1.54E-01	1.86E+01	1.01E+00	9.97E-02	1.98E+01	1.49E-01	2.34E-04	1.01E-01	1.95E-02	2.70E-01
3115	471363.09	3846377.25	5.74E-01	4.23E-04	6.60E-02	4.54E-02	6.85E-01	7.58E-01	4.06E+01	6.60E-01	2.32E-01	4.22E+01	7.35E-01	5.12E-04	6.60E-02	4.54E-02	8.47E-01
3116	471863.09	3846377.25	7.45E-01	4.03E-04	7.96E-02	4.74E-02	8.72E-01	9.84E-01	3.86E+01	7.96E-01	2.42E-01	4.06E+01	9.55E-01	4.88E-04	7.96E-02	4.74E-02	1.08E+00
3117	472363.09	3846377.25	3.69E-01	3.11E-04	9.31E-02	4.69E-02	5.09E-01	4.87E-01	2.99E+01	9.31E-01	2.39E-01	3.15E+01	4.73E-01	3.77E-04	9.31E-02	4.69E-02	6.13E-01
3118	472863.09	3846377.25	3.90E-01	3.10E-04	1.05E-01	4.39E-02	5.39E-01	5.15E-01	2.97E+01	1.05E+00	2.24E-01	3.15E+01	4.99E-01	3.75E-04	1.05E-01	4.39E-02	6.49E-01
3119	473363.09	3846377.25	4.08E-01	1.94E-04	1.13E-01	3.86E-02	5.60E-01	5.39E-01	1.86E+01	1.13E+00	1.97E-01	2.05E+01	5.23E-01	2.35E-04	1.13E-01	3.86E-02	6.76E-01
3120	473863.09	3846377.25	4.75E-01	1.72E-04	1.17E-01	3.19E-02	6.24E-01	6.28E-01	1.65E+01	1.17E+00	1.63E-01	1.84E+01	6.10E-01	2.08E-04	1.17E-01	3.19E-02	7.58E-01
3121	474363.09	3846377.25	7.41E-01	2.52E-04	1.14E-01	2.48E-02	8.80E-01	9.79E-01	2.42E+01	1.14E+00	1.27E-01	2.64E+01	9.51E-01	3.05E-04	1.14E-01	2.48E-02	1.09E+00
3122	474863.09	3846377.25	7.38E-01	4.06E-04	1.05E-01	1.91E-02	8.63E-01	9.75E-01	3.89E+01	1.05E+00	9.76E-02	4.11E+01	9.47E-01	4.92E-04	1.05E-01	1.91E-02	1.07E+00
3123	475363.09	3846377.25	7.62E-01	4.09E-04	9.14E-02	4.71E-02	9.00E-01	1.01E+00	3.92E+01	9.14E-01	2.40E-01	4.14E+01	9.76E-01	4.95E-04	9.14E-02	4.71E-02	1.12E+00
3124	475863.09	3846377.25	8.51E-01	3.12E-04	7.48E-02	8.27E-02	1.01E+00	1.12E+00	2.99E+01	7.48E-01	4.22E-01	3.22E+01	1.09E+00	3.78E-04	7.48E-02	8.27E-02	1.25E+00
3125	476363.09	3846377.25	8.59E-01	2.01E-04	5.76E-02	7.08E-02	9.88E-01	1.13E+00	1.93E+01	5.76E-01	3.62E-01	2.14E+01	1.10E+00	2.44E-04	5.76E-02	7.08E-02	1.23E+00
3126	476863.09	3846377.25	8.71E-01	2.14E-04	4.71E-02	4.75E-02	9.66E-01	1.15E+00	2.05E+01	4.71E-01	2.43E-01	2.24E+01	1.12E+00	2.59E-04	4.71E-02	4.75E-02	1.21E+00
3127	477363.09	3846377.25	7.24E-01	2.42E-04	9.54E-02	2.91E-02	8.48E-01	9.56E-01	2.32E+01	9.54E-01	1.49E-01	2.53E+01	9.28E-01	2.93E-04	9.54E-02	2.91E-02	1.05E+00
3128	477863.09	3846377.25	4.72E-01	2.45E-04	1.80E-01	2.87E-02	6.81E-01	6.23E-01	2.35E+01	1.80E+00	1.47E-01	2.61E+01	6.05E-01	2.97E-04	1.80E-01	2.87E-02	8.14E-01
3129	478363.09	3846377.25	5.41E-01	2.32E-04	1.94E-01	3.39E-02	7.69E-01	7.14E-01	2.22E+01	1.94E+00	1.73E-01	2.50E+01	6.93E-01	2.81E-04	1.94E-01	3.39E-02	9.21E-01
3130	478863.09	3846377.25	6.68E-01	1.91E-04	1.29E-01	2.32E-02	8.20E-01	8.83E-01	1.84E+01	1.29E+00	1.19E-01	2.06E+01	8.57E-01	2.32E-04	1.29E-01	2.32E-02	1.01E+00
3131	479363.09	3846377.25	5.55E-01	1.32E-04	6.25E-02	2.46E-02	6.42E-01	7.33E-01	1.26E+01	6.25E-01	1.25E-01	1.41E+01	7.11E-01	1.60E-04	6.25E-02	2.46E-02	7.99E-01
3132	479863.09	3846377.25	3.78E-01	1.21E-04	6.70E-02	2.78E-02	4.73E-01	5.00E-01	1.16E+01	6.70E-01	1.42E-01	1.29E+01	4.85E-01	1.46E-04	6.70E-02	2.78E-02	5.80E-01
3133	480363.09	3846377.25	2.70E-01	1.47E-04	6.25E-02	3.30E-02	3.66E-01	3.57E-01	1.41E+01	6.25E-01	1.69E-01	1.52E+01	3.46E-01	1.78E-04	6.25E-02	3.30E-02	4.42E-01
3134	480863.09	3846377.25	2.19E-01	1.27E-04	5.97E-02	3.62E-02	3.15E-01	2.90E-01	1.22E+01	5.97E-01	1.85E-01	1.33E+01	2.81E-01	1.54E-04	5.97E-02	3.62E-02	3.77E-01
3135	481363.09	3846377.25	1.21E-01	1.11E-04	6.86E-02	3.71E-02	2.27E-01	1.60E-01	1.06E+01	6.86E-01	1.89E-01	1.17E+01	1.55E-01	1.34E-04	6.86E-02	3.71E-02	2.61E-01
3136	481863.09	3846377.25	2.29E-01	1.51E-04	7.30E-02	3.63E-02	3.39E-01	3.03E-01	1.45E+01	7.30E-01	1.85E-01	1.57E+01	2.94E-01	1.83E-04	7.30E-02	3.63E-02	4.03E-01
3137	482363.09	3846377.25	2.83E-01	2.24E-04	7.27E-02	3.47E-02	3.91E-01	3.74E-01	2.15E+01	7.27E-01	1.77E-01	2.28E+01	3.63E-01	2.72E-04	7.27E-02	3.47E-02	4.71E-01
3138	482863.09	3846377.25	2.34E-01	1.99E-04	9.40E-02	3.27E-02	3.61E-01	3.09E-01	1.91E+01	9.40E-01	1.67E-01	2.05E+01	3.00E-01	2.41E-04	9.40E-02	3.27E-02	4.27E-01
3139	483363.09	3846377.25	1.27E-01	1.65E-04	1.16E-01	3.03E-02	2.73E-01	1.67E-01	1.58E+01	1.16E+00	1.55E-01	1.73E+01	1.62E-01	2.00E-04	1.16E-01	3.03E-02	3.09E-01
3140	483863.09	3846377.25	3.44E-01	1.32E-04	1.34E-01	2.72E-02	5.06E-01	4.55E-01	1.27E+01	1.34E+00	1.39E-01	1.46E+01	4.41E-01	1.61E-04	1.34E-01	2.72E-02	6.03E-01
3141	484363.09	3846377.25	3.93E-01	1.06E-04	1.35E-01	2.94E-02	5.58E-01	5.20E-01	1.02E+01	1.35E+00	1.50E-01	1.22E+01	5.04E-01	1.28E-04	1.35E-01	2.94E-02	6.69E-01
3142	484863.09	3846377.25	3.88E-01	2.00E-04	1.16E-01	3.17E-02	5.36E-01	5.13E-01	1.92E+01	1.16E+00	1.62E-01	2.11E+01	4.98E-01	2.43E-04	1.16E-01	3.17E-02	6.45E-01
3143	485363.09	3846377.25	3.07E-01	2.38E-04	1.06E-01	2.65E-02	4.39E-01	4.06E-01	2.29E+01	1.06E+00	1.35E-01	2.45E+01	3.94E-01	2.89E-04	1.06E-01	2.65E-02	5.26E-01
3144	485863.09	3846377.25	1.76E-01	2.18E-04	8.04E-02	2.19E-02	2.79E-01	2.33E-01	2.09E+01	8.04E-01	1.12E-01	2.20E+01	2.26E-01	2.64E-04	8.04E-02	2.19E-02	3.29E-01
3145	486363.09	3846377.25	1.51E-01	2.65E-04	8.58E-02	2.18E-02	2.58E-01	1.99E-01	2.54E+01	8.58E-01	1.11E-01	2.66E+01	1.93E-01	3.21E-04	8.58E-02	2.18E-02	3.01E-01
3146	486863.09	3846377.25	1.28E-01	2.41E-04	8.26E-02	2.23E-02	2.33E-01	1.69E-01	2.31E+01	8.26E-01	1.14E-01	2.42E+01	1.64E-01	2.92E-04	8.26E-02	2.23E-02	2.69E-01
3147	487363.09	3846377.25	1.13E-01	1.13E-04	1.02E-01	2.29E-02	2.38E-01	1.50E-01	1.08E+01	1.02E+00	1.17E-01	1.21E+01	1.45E-01	1.37E-04	1.02E-01	2.29E-02	2.70E-01
3148	487863.09	3846377.25	8.15E-02	1.13E-04	1.12E-01	2.32E-02	2.17E-01	1.08E-01	1.08E+01	1.12E+00	1.18E-01	1.22E+01	1.04E-01	1.37E-04	1.12E-01	2.32E-02	2.40E-01
3149	488363.09	3846377.25	8.88E-02	1.00E-04	1.63E-01	2.92E-02	2.81E-01	1.17E-01	9.61E+00	1.63E+00	1.49E-01	1.15E+01	1.14E-01	1.21E-04	1.63E-01	2.92E-02	3.06E-01
3150	488863.09	3846377.25	8.90E-02	9.97E-05	2.01E-01	3.23E-02	3.23E-01	1.18E-01	9.56E+00	2.01E+00	1.65E-01	1.19E+01	1.14E-01	1.21E-04	2.01E-01	3.23E-02	3.48E-01
3151	489363.09	3846377.25	9.01E-02	1.03E-04	1.72E-01	2.84E-02	2.91E-01	1.19E-01	9.85E+00	1.72E+00	1.45E-01	1.18E+01	1.15E-01	1.24E-04	1.72E-01	2.84E-02	3.16E-01
3152	489863.09	3846377.25	8.70E-02	7.16E-05	1.01E-01	1.75E-02	2.06E-01	1.15E-01	6.87E+00	1.01E+00	8.92E-02	8.08E+00	1.12E-01	8.68E-05	1.01E-01	1.75E-02	2.30E-01
3153	490363.09	3846377.25	7.60E-02	9.60E-05	9.07E-02	1.65E-02	1.83E-01	1.00E-01	9.21E+00	9.07E-01	8.42E-02	1.03E+01	9.74E-02	1.16E-04	9.07E-02	1.65E-02	2.05E-01
3154	490863.09	3846377.25	8.41E-02	1.13E-04	8.48E-02	1.43E-02	1.83E-01	1.11E-01	1.08E+01	8.48E-01	7.29E-02	1.19E+01	1.08E-01	1.37E-04	8.48E-02	1.43E-02	2.07E-01
3155	491363.09	3846377.25	1.16E-01	1.36E-04	1.02E-01	1.58E-02	2.34E-01	1.54E-01	1.31E+01	1.02E+00	8.07E-02	1.43E+01	1.49E-01	1.65E-04	1.02E-01	1.58E-02	2.67E-01
3156	491863.09	3846377.25	2.13E-01	1.54E-04	1.07E-01	1.79E-02	3.38E-01	2.81E-01	1.48E+01	1.07E+00	9.13E-02	1.62E+01	2.73E-01	1.87E-04	1.07E-01	1.79E-02	3.98E-01
3157	492363.09	3846377.25	2.60E-01	1.53E-04	8.45E-02	1.74E-02	3.62E-01	3.43E-01	1.47E+01	8.45E-01	8.88E-02	1.60E+01	3.33E-01	1.86E-04	8.45E-02	1.74E-02	4.35E-01
3158	492863.09	3846377.25	2.70E-01	1.35E-04	7.76E-02	1.50E-02	3.63E-01	3.57E-01	1.29E+01	7.76E-01	7.67E-02	1.41E+01	3.46E-01	1.63E-04	7.76E-02	1.50E-02	4.39E-01
3159	493363.09	3846377.25	2.71E-01	1.09E-04	6.54E-02	1.31E-02	3.49E-01	3.57E-01	1.04E+01	6.54E-01	6.68E-02	1.15E+01	3.47E-01	1.32E-04	6.54E-02	1.31E-02	4.25E-01
3160	493863.09	3846377.25	2.69E-01	8.51E-05	7.84E-02	1.28E-02	3.60E-01	3.55E-01	8.16E+00	7.84E-01	6.56E-02	9.36E+00	3.45E-01	1.03E-04	7.84E-02	1.28E-02	4.36E-01
3161	494363.09	3846377.25	2.58E-01	6.87E-05	9.32E-02	1.46E-02	3.66E-01	3.41E-01	6.58E+00	9.32E-01	7.46E-02	7.93E+00	3.31E-01	8.32E-05	9.32E-02	1.46E-02	4.39E-01
3162	494863.09	3846377.25	2.16E-01	7.08E-05	9.68E-02	1.60E-02	3.29E-01	2.85E-01	6.79E+00	9.68E-01	8.18E-02	8.13E+00	2.77E-01	8.58E-05	9.68E-02	1.60E-02	3.89E-01
3163	495363.09	3846377.25	1.34E-01	9.90E-05	8.80E-02	1.67E-02	2.39E-01	1.77E-01	9.50E+00	8.80E-01	8.53E-02	1.06E+01	1.72E-01	1.20E-04	8.80E-02	1.67E-02	2.76E-01
3164	495863.09	3846377.25	7.25E-02	1.40E-04	7.56E-02	1.64E-02	1.65E-01	9.58E-02	1.35E+01	7.56E-01	8.35E-02	1.44E+01	9.30E-02	1.70E-04	7.56E-02	1.64E-02	1.85E-01
3165	496363.09	3846377.25	8.28E-02	1.68E-04	1.05E-01	1.76E-02	2.06E-01	1.09E-01	1.61E+01	1.05E+00	8.98E-02	1.74E+01	1.06E-01	2.04E-04	1.05E-01	1.76E-02	2.29E-01
3166	496863.09	3846377.25	9.94E-02	1.69E-04	1.26E-01	1.84E-02	2.44E-01	1.31E-01	1.62E+01	1.26E+00	9.39E-02	1.77E+01	1.27E-01	2.05E-04	1.26E-01	1.84E-02	2.72E-01
3167	497363.09	3846377.25	1.13E-01	1.66E-04	1.27E-01	1.84E-02	2.59E-01	1.50E-01	1.59E+01	1.27E+00	9.40E-02	1.74E+01	1.45E-01	2.01E-04	1.27E-01	1.84E-02	2.91E-01
3168	497863.09	3846377.25	1.17E-01	1.87E-04	1.09E-01	1.96E-02	2.46E-01	1.55E-01	1.79E+01	1.09E+00	1.00E-01	1.93E+01	1.50E-01	2.26E-04	1.09E-01	1.96E-02	2.79E-01

3169	498363.09	3846377.25	1.18E-01	2.12E-04	9.11E-02	2.03E-02	2.29E-01	1.55E-01	2.04E+01	9.11E-01	1.04E-01	2.15E+01	1.51E-01	2.57E-04	9.11E-02	2.03E-02	2.62E-01
3170	471363.09	3846877.25	7.71E-01	5.17E-04	6.29E-02	4.15E-02	8.76E-01	1.02E+00	4.96E+01	6.29E-01	2.12E-01	5.14E+01	9.88E-01	6.26E-04	6.29E-02	4.15E-02	1.09E+00
3171	471863.09	3846877.25	7.53E-01	4.99E-04	6.33E-02	4.62E-02	8.63E-01	9.95E-01	4.79E+01	6.33E-01	2.36E-01	4.97E+01	9.66E-01	6.05E-04	6.33E-02	4.62E-02	1.08E+00
3172	472363.09	3846877.25	7.67E-01	4.96E-04	7.78E-02	4.90E-02	8.94E-01	1.01E+00	4.75E+01	7.78E-01	2.50E-01	4.96E+01	9.83E-01	6.01E-04	7.78E-02	4.90E-02	1.11E+00
3173	472863.09	3846877.25	3.52E-01	3.03E-04	9.22E-02	4.91E-02	4.94E-01	4.65E-01	2.91E+01	9.22E-01	2.51E-01	3.07E+01	4.52E-01	3.67E-04	9.22E-02	4.91E-02	5.93E-01
3174	473363.09	3846877.25	4.52E-01	3.73E-04	1.06E-01	4.64E-02	6.04E-01	5.97E-01	3.58E+01	1.06E+00	2.37E-01	3.77E+01	5.79E-01	4.52E-04	1.06E-01	4.64E-02	7.32E-01
3175	473863.09	3846877.25	5.79E-01	2.82E-04	1.16E-01	4.11E-02	7.36E-01	7.64E-01	2.70E+01	1.16E+00	2.10E-01	2.92E+01	7.42E-01	3.41E-04	1.16E-01	4.11E-02	8.99E-01
3176	474363.09	3846877.25	5.50E-01	2.05E-04	1.21E-01	3.41E-02	7.05E-01	7.26E-01	1.97E+01	1.21E+00	1.74E-01	2.18E+01	7.05E-01	2.49E-04	1.21E-01	3.41E-02	8.60E-01
3177	474863.09	3846877.25	7.74E-01	2.95E-04	1.20E-01	2.64E-02	9.20E-01	1.02E+00	2.83E+01	1.20E+00	1.35E-01	3.07E+01	9.92E-01	3.58E-04	1.20E-01	2.64E-02	1.14E+00
3178	475363.09	3846877.25	8.30E-01	4.09E-04	1.11E-01	1.97E-02	9.61E-01	1.10E+00	3.92E+01	1.11E+00	1.01E-01	4.15E+01	1.06E+00	4.95E-04	1.11E-01	1.97E-02	1.20E+00
3179	475863.09	3846877.25	8.65E-01	4.33E-04	9.73E-02	6.14E-02	1.02E+00	1.14E+00	4.16E+01	9.73E-01	3.13E-01	4.40E+01	1.11E+00	5.25E-04	9.73E-02	6.14E-02	1.27E+00
3180	476363.09	3846877.25	9.18E-01	3.19E-04	7.98E-02	9.26E-02	1.09E+00	1.21E+00	3.06E+01	7.98E-01	4.73E-01	3.30E+01	1.18E+00	3.86E-04	7.98E-02	9.26E-02	1.35E+00
3181	476863.09	3846877.25	9.29E-01	3.41E-04	6.13E-02	7.49E-02	1.07E+00	1.23E+00	3.27E+01	6.13E-01	3.82E-01	3.50E+01	1.19E+00	4.13E-04	6.13E-02	7.49E-02	1.33E+00
3182	477363.09	3846877.25	9.75E-01	2.29E-04	4.87E-02	5.22E-02	1.08E+00	1.29E+00	2.19E+01	4.87E-01	2.67E-01	2.40E+01	1.25E+00	2.77E-04	4.87E-02	5.22E-02	1.35E+00
3183	477863.09	3846877.25	7.31E-01	2.45E-04	1.17E-01	2.89E-02	8.76E-01	9.65E-01	2.35E+01	1.17E+00	1.48E-01	2.58E+01	9.37E-01	2.97E-04	1.17E-01	2.89E-02	1.08E+00
3184	478363.09	3846877.25	5.11E-01	2.45E-04	2.36E-01	4.55E-02	7.93E-01	6.75E-01	2.35E+01	2.36E+00	2.32E-01	2.67E+01	6.56E-01	2.97E-04	2.36E-01	4.55E-02	9.38E-01
3185	478863.09	3846877.25	6.66E-01	2.25E-04	2.73E-01	4.29E-02	9.83E-01	8.80E-01	2.16E+01	2.73E+00	2.19E-01	2.54E+01	8.54E-01	2.72E-04	2.73E-01	4.29E-02	1.17E+00
3186	479363.09	3846877.25	6.86E-01	1.76E-04	1.38E-01	2.47E-02	8.50E-01	9.07E-01	1.68E+01	1.38E+00	1.26E-01	1.93E+01	8.80E-01	2.13E-04	1.38E-01	2.47E-02	1.04E+00
3187	479863.09	3846877.25	4.79E-01	1.22E-04	6.46E-02	2.62E-02	5.70E-01	6.33E-01	1.17E+01	6.46E-01	1.34E-01	1.31E+01	6.14E-01	1.48E-04	6.46E-02	2.62E-02	7.05E-01
3188	480363.09	3846877.25	1.80E-01	1.46E-04	6.92E-02	3.23E-02	2.82E-01	2.38E-01	1.40E+01	6.92E-01	1.65E-01	1.51E+01	2.31E-01	1.77E-04	6.92E-02	3.23E-02	3.33E-01
3189	480863.09	3846877.25	2.17E-01	1.37E-04	5.94E-02	3.64E-02	3.13E-01	2.87E-01	1.31E+01	5.94E-01	1.86E-01	1.42E+01	2.79E-01	1.66E-04	5.94E-02	3.64E-02	3.74E-01
3190	481363.09	3846877.25	1.56E-01	1.12E-04	6.62E-02	3.80E-02	2.61E-01	2.06E-01	1.08E+01	6.62E-01	1.94E-01	1.18E+01	2.00E-01	1.36E-04	6.62E-02	3.80E-02	3.05E-01
3191	481863.09	3846877.25	1.90E-01	1.34E-04	7.39E-02	3.74E-02	3.02E-01	2.52E-01	1.28E+01	7.39E-01	1.91E-01	1.40E+01	2.44E-01	1.62E-04	7.39E-02	3.74E-02	3.56E-01
3192	482363.09	3846877.25	2.81E-01	2.24E-04	7.58E-02	3.58E-02	3.93E-01	3.72E-01	2.15E+01	7.58E-01	1.83E-01	2.28E+01	3.61E-01	2.72E-04	7.58E-02	3.58E-02	4.73E-01
3193	482863.09	3846877.25	2.64E-01	2.05E-04	8.83E-02	3.39E-02	3.86E-01	3.49E-01	1.97E+01	8.83E-01	1.73E-01	2.11E+01	3.38E-01	2.48E-04	8.83E-02	3.39E-02	4.61E-01
3194	483363.09	3846877.25	1.85E-01	1.71E-04	1.11E-01	3.17E-02	3.28E-01	2.44E-01	1.64E+01	1.11E+00	1.62E-01	1.80E+01	2.37E-01	2.08E-04	1.11E-01	3.17E-02	3.80E-01
3195	483863.09	3846877.25	3.28E-01	1.48E-04	1.33E-01	2.89E-02	4.90E-01	4.33E-01	1.41E+01	1.33E+00	1.48E-01	1.61E+01	4.20E-01	1.79E-04	1.33E-01	2.89E-02	5.83E-01
3196	484363.09	3846877.25	3.93E-01	9.98E-05	1.41E-01	2.97E-02	5.64E-01	5.20E-01	9.57E+00	1.41E+00	1.52E-01	1.16E+01	5.04E-01	1.21E-04	1.41E-01	2.97E-02	6.75E-01
3197	484863.09	3846877.25	3.91E-01	1.88E-04	1.27E-01	3.20E-02	5.50E-01	5.16E-01	1.81E+01	1.27E+00	1.63E-01	2.00E+01	5.01E-01	2.28E-04	1.27E-01	3.20E-02	6.60E-01
3198	485363.09	3846877.25	3.30E-01	2.42E-04	1.10E-01	2.61E-02	4.66E-01	4.36E-01	2.32E+01	1.10E+00	1.33E-01	2.48E+01	4.23E-01	2.93E-04	1.10E-01	2.61E-02	5.59E-01
3199	485863.09	3846877.25	1.79E-01	2.16E-04	8.46E-02	2.19E-02	2.85E-01	2.36E-01	2.07E+01	8.46E-01	1.12E-01	2.19E+01	2.29E-01	2.61E-04	8.46E-02	2.19E-02	3.36E-01
3200	486363.09	3846877.25	1.53E-01	2.60E-04	8.91E-02	2.19E-02	2.64E-01	2.02E-01	2.49E+01	8.91E-01	1.12E-01	2.61E+01	1.96E-01	3.15E-04	8.91E-02	2.19E-02	3.07E-01
3201	486863.09	3846877.25	1.28E-01	2.55E-04	8.42E-02	2.26E-02	2.35E-01	1.69E-01	2.45E+01	8.42E-01	1.15E-01	2.56E+01	1.64E-01	3.09E-04	8.42E-02	2.26E-02	2.71E-01
3202	487363.09	3846877.25	1.11E-01	1.16E-04	1.05E-01	2.33E-02	2.39E-01	1.47E-01	1.11E+01	1.05E+00	1.19E-01	1.24E+01	1.42E-01	1.40E-04	1.05E-01	2.33E-02	2.71E-01
3203	487863.09	3846877.25	8.60E-02	1.14E-04	1.16E-01	2.38E-02	2.26E-01	1.14E-01	1.09E+01	1.16E+00	1.21E-01	1.23E+01	1.10E-01	1.38E-04	1.16E-01	2.38E-02	2.51E-01
3204	488363.09	3846877.25	8.92E-02	1.01E-04	1.71E-01	2.99E-02	2.90E-01	1.18E-01	9.73E+00	1.71E+00	1.53E-01	1.17E+01	1.14E-01	1.23E-04	1.71E-01	2.99E-02	3.15E-01
3205	488863.09	3846877.25	8.87E-02	1.04E-04	2.08E-01	3.29E-02	3.30E-01	1.17E-01	9.95E+00	2.08E+00	1.68E-01	1.23E+01	1.14E-01	1.26E-04	2.08E-01	3.29E-02	3.55E-01
3206	489363.09	3846877.25	9.10E-02	1.00E-04	1.71E-01	3.03E-02	2.93E-01	1.20E-01	9.61E+00	1.71E+00	1.55E-01	1.16E+01	1.17E-01	1.21E-04	1.71E-01	3.03E-02	3.19E-01
3207	489863.09	3846877.25	8.46E-02	9.28E-05	1.38E-01	2.22E-02	2.45E-01	1.12E-01	8.90E+00	1.38E+00	1.13E-01	1.05E+01	1.08E-01	1.12E-04	1.38E-01	2.22E-02	2.69E-01
3208	490363.09	3846877.25	8.25E-02	1.08E-04	1.11E-01	1.66E-02	2.10E-01	1.09E-01	1.04E+01	1.11E+00	8.48E-02	1.17E+01	1.06E-01	1.31E-04	1.11E-01	1.66E-02	2.34E-01
3209	490863.09	3846877.25	9.24E-02	1.31E-04	1.05E-01	1.55E-02	2.13E-01	1.22E-01	1.26E+01	1.05E+00	7.93E-02	1.38E+01	1.18E-01	1.59E-04	1.05E-01	1.55E-02	2.39E-01
3210	491363.09	3846877.25	1.97E-01	1.52E-04	1.13E-01	1.74E-02	3.28E-01	2.60E-01	1.46E+01	1.13E+00	8.89E-02	1.61E+01	2.53E-01	1.85E-04	1.13E-01	1.74E-02	3.84E-01
3211	491863.09	3846877.25	2.56E-01	1.56E-04	1.04E-01	1.81E-02	3.78E-01	3.38E-01	1.50E+01	1.04E+00	9.26E-02	1.65E+01	3.28E-01	1.89E-04	1.04E-01	1.81E-02	4.51E-01
3212	492363.09	3846877.25	2.70E-01	1.40E-04	8.90E-02	1.98E-02	3.79E-01	3.56E-01	1.34E+01	8.90E-01	1.01E-01	1.48E+01	3.46E-01	1.70E-04	8.90E-02	1.98E-02	4.55E-01
3213	492863.09	3846877.25	2.71E-01	1.14E-04	7.68E-02	1.63E-02	3.64E-01	3.58E-01	1.10E+01	7.68E-01	8.34E-02	1.22E+01	3.47E-01	1.39E-04	7.68E-02	1.63E-02	4.40E-01
3214	493363.09	3846877.25	2.70E-01	8.96E-05	7.12E-02	1.32E-02	3.54E-01	3.56E-01	8.60E+00	7.12E-01	6.72E-02	9.73E+00	3.46E-01	1.09E-04	7.12E-02	1.32E-02	4.30E-01
3215	493863.09	3846877.25	2.63E-01	7.05E-05	9.09E-02	1.41E-02	3.68E-01	3.48E-01	6.76E+00	9.09E-01	7.18E-02	8.09E+00	3.38E-01	8.54E-05	9.09E-02	1.41E-02	4.43E-01
3216	494363.09	3846877.25	2.31E-01	6.68E-05	1.01E-01	1.58E-02	3.48E-01	3.05E-01	6.41E+00	1.01E+00	8.05E-02	7.80E+00	2.96E-01	8.09E-05	1.01E-01	1.58E-02	4.13E-01
3217	494863.09	3846877.25	1.54E-01	8.99E-05	9.64E-02	1.69E-02	2.68E-01	2.04E-01	8.63E+00	9.64E-01	8.62E-02	9.88E+00	1.98E-01	1.09E-04	9.64E-02	1.69E-02	3.11E-01
3218	495363.09	3846877.25	7.57E-02	1.32E-04	8.11E-02	1.71E-02	1.74E-01	1.00E-01	1.27E+01	8.11E-01	8.74E-02	1.37E+01	9.70E-02	1.60E-04	8.11E-02	1.71E-02	1.95E-01
3219	495863.09	3846877.25	8.50E-02	1.66E-04	1.01E-01	1.86E-02	2.05E-01	1.12E-01	1.59E+01	1.01E+00	9.48E-02	1.71E+01	1.09E-01	2.01E-04	1.01E-01	1.86E-02	2.29E-01
3220	496363.09	3846877.25	1.07E-01	1.71E-04	1.27E-01	1.92E-02	2.53E-01	1.41E-01	1.64E+01	1.27E+00	9.79E-02	1.80E+01	1.37E-01	2.08E-04	1.27E-01	1.92E-02	2.83E-01
3221	496863.09	3846877.25	1.16E-01	1.64E-04	1.33E-01	1.89E-02	2.68E-01	1.53E-01	1.57E+01	1.33E+00	9.66E-02	1.73E+01	1.48E-01	1.99E-04	1.33E-01	1.89E-02	3.00E-01
3222	497363.09	3846877.25	1.18E-01	1.79E-04	1.17E-01	1.96E-02	2.54E-01	1.55E-01	1.72E+01	1.17E+00	1.00E-01	1.86E+01	1.51E-01	2.17E-04	1.17E-01	1.96E-02	2.87E-01
3223	497863.09	3846877.25	1.18E-01	2.10E-04	9.62E-02	2.06E-02	2.35E-01	1.55E-01	2.02E+01	9.62E-01	1.05E-01	2.14E+01	1.51E-01	2.55E-04	9.62E-02	2.06E-02	2.68E-01
3224	498363.09	3846877.25	1.17E-01	2.10E-04	1.07E-01	2.02E-02	2.45E-01	1.55E-01	2.01E+01	1.07E+00	1.03E-01	2.15E+01	1.50E-01	2.54E-04	1.07E-01	2.02E-02	2.78E-01
3225	471363.09	3847377.25	7.33E-01	5.10E-04	6.43E-02	3.51E-02	8.33E-01	9.68E-01	4.89E+01	6.43E-01	1.79E-01	5.07E+01	9.40E-01	6.18E-04	6.43E-02	3.51E-02	1.04E+00
3226	471863.09	3847377.25	8.24E-01	5.48E-04	6.64E-02	4.14E-02	9.32E-01	1.09E+00	5.26E+01	6.64E-01	2.12E-01	5.46E+01	1.06E+00	6.64E-04	6.64E-02	4.14E-02	1.16E+00
3227	472363.09	3847377.25	8.51E-01	5.37E-04	6.23E-02	4.69E-02	9.61E-01	1.12E+00	5.15E+01	6.23E-01	2.40E-01	5.35E+01	1.09E+00	6.51E-04	6.23E-02	4.69E-02	1.20E+00
3228	472863.09	3847377.25	6.55E-01	5.02E-04	7.54E-02	5.05E-02	7.82E-01	8.66E-01	4.82E+01	7.54E-01	2.58E-01	5.00E+01	8.40E-01	6.08E-04	7.54E-02	5.05E-02	9.67E-01
3229	473363.09	3847377.25	6.79E-01	4.64E-04	9.10E-02	5.14E-02	8.22E-01	8.97E-01	4.45E+01	9.10E-01	2.62E-01	4.66E+01	8.70E-01	5.62E-04	9.10E-02	5.14E-02	1.01E+00

3230	473863.09	3847377.25	6.23E-01	4.90E-04	1.06E-01	4.91E-02	7.79E-01	8.23E-01	4.70E+01	1.06E+00	2.51E-01	4.91E+01	7.98E-01	5.94E-04	1.06E-01	4.91E-02	9.54E-01
3231	474363.09	3847377.25	6.78E-01	3.64E-04	1.18E-01	4.39E-02	8.41E-01	8.96E-01	3.49E+01	1.18E+00	2.24E-01	3.72E+01	8.70E-01	4.41E-04	1.18E-01	4.39E-02	1.03E+00
3232	474863.09	3847377.25	5.81E-01	2.30E-04	1.25E-01	3.64E-02	7.43E-01	7.67E-01	2.20E+01	1.25E+00	1.86E-01	2.42E+01	7.45E-01	2.78E-04	1.25E-01	3.64E-02	9.07E-01
3233	475363.09	3847377.25	8.22E-01	3.06E-04	1.25E-01	2.82E-02	9.75E-01	1.09E+00	2.93E+01	1.25E+00	1.44E-01	3.18E+01	1.05E+00	3.71E-04	1.25E-01	2.82E-02	1.21E+00
3234	475863.09	3847377.25	9.99E-01	4.88E-04	1.18E-01	2.91E-02	1.15E+00	1.32E+00	4.68E+01	1.18E+00	1.49E-01	4.95E+01	1.28E+00	5.91E-04	1.18E-01	2.91E-02	1.43E+00
3235	476363.09	3847377.25	1.05E+00	5.05E-04	1.04E-01	8.58E-02	1.24E+00	1.38E+00	4.84E+01	1.04E+00	4.38E-01	5.12E+01	1.34E+00	6.11E-04	1.04E-01	8.58E-02	1.53E+00
3236	476863.09	3847377.25	1.01E+00	3.32E-04	8.52E-02	1.04E-01	1.19E+00	1.33E+00	3.19E+01	8.52E-01	5.31E-01	3.46E+01	1.29E+00	4.02E-04	8.52E-02	1.04E-01	1.48E+00
3237	477363.09	3847377.25	1.04E+00	3.91E-04	6.54E-02	8.45E-02	1.20E+00	1.38E+00	3.75E+01	6.54E-01	4.32E-01	4.00E+01	1.34E+00	4.74E-04	6.54E-02	8.45E-02	1.49E+00
3238	477863.09	3847377.25	1.09E+00	4.78E-04	5.04E-02	5.61E-02	1.19E+00	1.44E+00	4.59E+01	5.04E-01	2.86E-01	4.81E+01	1.39E+00	5.79E-04	5.04E-02	5.61E-02	1.50E+00
3239	478363.09	3847377.25	8.36E-01	4.94E-04	1.57E-01	4.95E-02	1.04E+00	1.10E+00	4.74E+01	1.57E+00	2.53E-01	5.03E+01	1.07E+00	5.98E-04	1.57E-01	4.95E-02	1.28E+00
3240	478863.09	3847377.25	6.43E-01	4.87E-04	4.43E-01	1.32E-01	1.22E+00	8.49E-01	4.67E+01	4.43E+00	6.74E-01	5.27E+01	8.24E-01	5.90E-04	4.43E-01	1.32E-01	1.40E+00
3241	479363.09	3847377.25	6.61E-01	2.15E-04	3.15E-01	4.35E-02	1.02E+00	8.74E-01	2.06E+01	3.15E+00	2.22E-01	2.49E+01	8.48E-01	2.60E-04	3.15E-01	4.35E-02	1.21E+00
3242	479863.09	3847377.25	6.67E-01	1.57E-04	7.28E-02	2.59E-02	7.66E-01	8.81E-01	1.51E+01	7.28E-01	1.32E-01	1.68E+01	8.55E-01	1.91E-04	7.28E-02	2.59E-02	9.54E-01
3243	480363.09	3847377.25	1.92E-01	1.37E-04	6.79E-02	3.10E-02	2.91E-01	2.54E-01	1.32E+01	6.79E-01	1.59E-01	1.43E+01	2.46E-01	1.66E-04	6.79E-02	3.10E-02	3.46E-01
3244	480863.09	3847377.25	1.57E-01	1.47E-04	6.97E-02	3.62E-02	2.63E-01	2.07E-01	1.41E+01	6.97E-01	1.85E-01	1.52E+01	2.01E-01	1.78E-04	6.97E-02	3.62E-02	3.07E-01
3245	481363.09	3847377.25	1.58E-01	1.18E-04	6.21E-02	3.87E-02	2.59E-01	2.09E-01	1.13E+01	6.21E-01	1.98E-01	1.23E+01	2.03E-01	1.43E-04	6.21E-02	3.87E-02	3.04E-01
3246	481863.09	3847377.25	1.44E-01	1.14E-04	7.28E-02	3.86E-02	2.55E-01	1.90E-01	1.09E+01	7.28E-01	1.97E-01	1.21E+01	1.84E-01	1.38E-04	7.28E-02	3.86E-02	2.96E-01
3247	482363.09	3847377.25	2.66E-01	2.23E-04	7.84E-02	3.70E-02	3.81E-01	3.51E-01	2.14E+01	7.84E-01	1.89E-01	2.27E+01	3.40E-01	2.70E-04	7.84E-02	3.70E-02	4.56E-01
3248	482863.09	3847377.25	2.85E-01	2.11E-04	8.14E-02	3.51E-02	4.02E-01	3.77E-01	2.02E+01	8.14E-01	1.79E-01	2.16E+01	3.66E-01	2.55E-04	8.14E-02	3.51E-02	4.82E-01
3249	483363.09	3847377.25	2.07E-01	1.75E-04	1.06E-01	3.31E-02	3.46E-01	2.73E-01	1.68E+01	1.06E+00	1.69E-01	1.83E+01	2.65E-01	2.12E-04	1.06E-01	3.31E-02	4.04E-01
3250	483863.09	3847377.25	3.07E-01	1.60E-04	1.30E-01	3.05E-02	4.67E-01	4.05E-01	1.53E+01	1.30E+00	1.56E-01	1.72E+01	3.93E-01	1.93E-04	1.30E-01	3.05E-02	5.54E-01
3251	484363.09	3847377.25	3.93E-01	1.19E-04	1.78E-01	3.01E-02	6.01E-01	5.19E-01	1.14E+01	1.78E+00	1.54E-01	1.39E+01	5.04E-01	1.44E-04	1.78E-01	3.01E-02	7.12E-01
3252	484863.09	3847377.25	3.92E-01	1.75E-04	1.83E-01	3.20E-02	6.07E-01	5.18E-01	1.68E+01	1.83E+00	1.64E-01	1.93E+01	5.02E-01	2.12E-04	1.83E-01	3.20E-02	7.17E-01
3253	485363.09	3847377.25	3.49E-01	2.44E-04	1.16E-01	2.54E-02	4.90E-01	4.61E-01	2.34E+01	1.16E+00	1.30E-01	2.51E+01	4.48E-01	2.96E-04	1.16E-01	2.54E-02	5.89E-01
3254	485863.09	3847377.25	1.81E-01	2.16E-04	9.33E-02	2.18E-02	2.96E-01	2.39E-01	2.07E+01	9.33E-01	1.11E-01	2.20E+01	2.32E-01	2.61E-04	9.33E-02	2.18E-02	3.47E-01
3255	486363.09	3847377.25	1.55E-01	2.52E-04	9.21E-02	2.18E-02	2.69E-01	2.05E-01	2.42E+01	9.21E-01	1.12E-01	2.54E+01	1.99E-01	3.05E-04	9.21E-02	2.18E-02	3.13E-01
3256	486863.09	3847377.25	1.28E-01	2.67E-04	8.57E-02	2.28E-02	2.37E-01	1.69E-01	2.56E+01	8.57E-01	1.16E-01	2.68E+01	1.64E-01	3.24E-04	8.57E-02	2.28E-02	2.73E-01
3257	487363.09	3847377.25	1.12E-01	1.34E-04	1.08E-01	2.38E-02	2.44E-01	1.48E-01	1.28E+01	1.08E+00	1.21E-01	1.42E+01	1.44E-01	1.62E-04	1.08E-01	2.38E-02	2.76E-01
3258	487863.09	3847377.25	9.66E-02	1.15E-04	1.21E-01	2.43E-02	2.42E-01	1.28E-01	1.10E+01	1.21E+00	1.24E-01	1.25E+01	1.24E-01	1.40E-04	1.21E-01	2.43E-02	2.69E-01
3259	488363.09	3847377.25	9.75E-02	1.03E-04	1.78E-01	3.06E-02	3.06E-01	1.29E-01	9.86E+00	1.78E+00	1.56E-01	1.19E+01	1.25E-01	1.25E-04	1.78E-01	3.06E-02	3.34E-01
3260	488863.09	3847377.25	9.58E-02	1.08E-04	2.14E-01	3.35E-02	3.44E-01	1.27E-01	1.03E+01	2.14E+00	1.71E-01	1.28E+01	1.23E-01	1.30E-04	2.14E-01	3.35E-02	3.71E-01
3261	489363.09	3847377.25	9.64E-02	9.71E-05	1.69E-01	3.05E-02	2.96E-01	1.27E-01	9.31E+00	1.69E+00	1.56E-01	1.13E+01	1.24E-01	1.18E-04	1.69E-01	3.05E-02	3.23E-01
3262	489863.09	3847377.25	8.08E-02	1.04E-04	1.38E-01	2.17E-02	2.41E-01	1.07E-01	1.00E+01	1.38E+00	1.11E-01	1.16E+01	1.04E-01	1.26E-04	1.38E-01	2.17E-02	2.63E-01
3263	490363.09	3847377.25	8.51E-02	1.25E-04	1.15E-01	1.92E-02	2.19E-01	1.12E-01	1.20E+01	1.15E+00	9.82E-02	1.34E+01	1.09E-01	1.52E-04	1.15E-01	1.92E-02	2.43E-01
3264	490863.09	3847377.25	1.78E-01	1.50E-04	1.19E-01	2.21E-02	3.19E-01	2.35E-01	1.43E+01	1.19E+00	1.13E-01	1.59E+01	2.28E-01	1.81E-04	1.19E-01	2.21E-02	3.69E-01
3265	491363.09	3847377.25	2.51E-01	1.58E-04	1.33E-01	2.08E-02	4.04E-01	3.31E-01	1.52E+01	1.33E+00	1.06E-01	1.69E+01	3.21E-01	1.92E-04	1.33E-01	2.08E-02	4.75E-01
3266	491863.09	3847377.25	2.69E-01	1.46E-04	1.14E-01	2.13E-02	4.05E-01	3.56E-01	1.40E+01	1.14E+00	1.09E-01	1.56E+01	3.45E-01	1.76E-04	1.14E-01	2.13E-02	4.81E-01
3267	492363.09	3847377.25	2.71E-01	1.20E-04	8.34E-02	1.94E-02	3.74E-01	3.58E-01	1.15E+01	8.34E-01	9.90E-02	1.28E+01	3.47E-01	1.46E-04	8.34E-02	1.94E-02	4.50E-01
3268	492863.09	3847377.25	2.70E-01	9.45E-05	7.26E-02	1.52E-02	3.58E-01	3.57E-01	9.07E+00	7.26E-01	7.78E-02	1.02E+01	3.46E-01	1.15E-04	7.26E-02	1.52E-02	4.34E-01
3269	493363.09	3847377.25	2.67E-01	7.33E-05	8.56E-02	1.39E-02	3.66E-01	3.52E-01	7.03E+00	8.56E-01	7.10E-02	8.31E+00	3.42E-01	8.88E-05	8.56E-02	1.39E-02	4.42E-01
3270	493863.09	3847377.25	2.44E-01	6.43E-05	1.02E-01	1.53E-02	3.61E-01	3.22E-01	6.17E+00	1.02E+00	7.82E-02	7.59E+00	3.13E-01	7.79E-05	1.02E-01	1.53E-02	4.30E-01
3271	494363.09	3847377.25	1.75E-01	8.14E-05	1.04E-01	1.68E-02	2.96E-01	2.32E-01	7.80E+00	1.04E+00	8.60E-02	9.16E+00	2.25E-01	9.86E-05	1.04E-01	1.68E-02	3.45E-01
3272	494863.09	3847377.25	8.23E-02	1.22E-04	9.14E-02	1.82E-02	1.92E-01	1.09E-01	1.17E+01	9.14E-01	9.30E-02	1.29E+01	1.05E-01	1.48E-04	9.14E-02	1.82E-02	2.15E-01
3273	495363.09	3847377.25	9.29E-02	1.62E-04	9.57E-02	1.96E-02	2.08E-01	1.23E-01	1.55E+01	9.57E-01	1.00E-01	1.67E+01	1.19E-01	1.96E-04	9.57E-02	1.96E-02	2.35E-01
3274	495863.09	3847377.25	1.12E-01	1.74E-04	1.27E-01	2.00E-02	2.59E-01	1.48E-01	1.67E+01	1.27E+00	1.02E-01	1.82E+01	1.44E-01	2.11E-04	1.27E-01	2.00E-02	2.90E-01
3275	496363.09	3847377.25	1.17E-01	1.64E-04	1.39E-01	1.94E-02	2.76E-01	1.55E-01	1.57E+01	1.39E+00	9.91E-02	1.74E+01	1.50E-01	1.98E-04	1.39E-01	1.94E-02	3.09E-01
3276	496863.09	3847377.25	1.18E-01	1.72E-04	1.26E-01	1.96E-02	2.64E-01	1.55E-01	1.65E+01	1.26E+00	1.00E-01	1.80E+01	1.51E-01	2.08E-04	1.26E-01	1.96E-02	2.97E-01
3277	497363.09	3847377.25	1.18E-01	2.06E-04	9.75E-02	2.09E-02	2.36E-01	1.55E-01	1.97E+01	9.75E-01	1.07E-01	2.10E+01	1.51E-01	2.49E-04	9.75E-02	2.09E-02	2.69E-01
3278	497863.09	3847377.25	1.17E-01	2.17E-04	1.10E-01	2.09E-02	2.48E-01	1.55E-01	2.08E+01	1.10E+00	1.07E-01	2.22E+01	1.50E-01	2.63E-04	1.10E-01	2.09E-02	2.81E-01
3279	498363.09	3847377.25	1.16E-01	1.78E-04	1.02E-01	1.91E-02	2.38E-01	1.54E-01	1.71E+01	1.02E+00	9.74E-02	1.84E+01	1.49E-01	2.16E-04	1.02E-01	1.91E-02	2.71E-01
3280	471363.09	3847877.25	7.63E-01	5.33E-04	8.18E-02	2.74E-02	8.73E-01	1.01E+00	5.11E+01	8.18E-01	1.40E-01	5.31E+01	9.78E-01	6.46E-04	8.18E-02	2.74E-02	1.09E+00
3281	471863.09	3847877.25	7.35E-01	5.70E-04	7.45E-02	3.41E-02	8.44E-01	9.71E-01	5.47E+01	7.45E-01	1.74E-01	5.66E+01	9.43E-01	6.91E-04	7.45E-02	3.41E-02	1.05E+00
3282	472363.09	3847877.25	8.11E-01	5.60E-04	6.83E-02	4.11E-02	9.21E-01	1.07E+00	5.37E+01	6.83E-01	2.10E-01	5.56E+01	1.04E+00	6.78E-04	6.83E-02	4.11E-02	1.15E+00
3283	472863.09	3847877.25	8.37E-01	5.57E-04	6.74E-02	4.74E-02	9.52E-01	1.11E+00	5.34E+01	6.74E-01	2.42E-01	5.54E+01	1.07E+00	6.75E-04	6.74E-02	4.74E-02	1.19E+00
3284	473363.09	3847877.25	8.53E-01	5.82E-04	7.26E-02	5.19E-02	9.78E-01	1.13E+00	5.58E+01	7.26E-01	2.65E-01	5.79E+01	1.09E+00	7.05E-04	7.26E-02	5.19E-02	1.22E+00
3285	473863.09	3847877.25	9.15E-01	6.87E-04	8.94E-02	5.37E-02	1.06E+00	1.21E+00	6.59E+01	8.94E-01	2.74E-01	6.83E+01	1.17E+00	8.33E-04	8.94E-02	5.37E-02	1.32E+00
3286	474363.09	3847877.25	7.44E-01	5.80E-04	1.06E-01	5.20E-02	9.02E-01	9.82E-01	5.56E+01	1.06E+00	2.65E-01	5.79E+01	9.53E-01	7.02E-04	1.06E-01	5.20E-02	1.11E+00
3287	474863.09	3847877.25	8.59E-01	4.47E-04	1.20E-01	4.68E-02	1.03E+00	1.13E+00	4.29E+01	1.20E+00	2.39E-01	4.55E+01	1.10E+00	5.42E-04	1.20E-01	4.68E-02	1.27E+00
3288	475363.09	3847877.25	7.31E-01	2.62E-04	1.29E-01	3.90E-02	9.00E-01	9.66E-01	2.51E+01	1.29E+00	1.99E-01	2.76E+01	9.37E-01	3.18E-04	1.29E-01	3.90E-02	1.11E+00
3289	475863.09	3847877.25	8.91E-01	3.35E-04	1.31E-01	3.02E-02	1.05E+00	1.18E+00	3.21E+01	1.31E+00	1.54E-01	3.48E+01	1.14E+00	4.06E-04	1.31E-01	3.02E-02	1.30E+00
3290	476363.09	3847877.25	1.21E+00	5.97E-04	1.25E-01	4.27E-02	1.38E+00	1.60E+00	5.73E+01	1.25E+00	2.18E-01	6.04E+01	1.56E+00	7.24E-04	1.25E-01	4.27E-02	1.72E+00

3291	476863.09	3847877.25	1.13E+00	5.27E-04	1.11E-01	9.85E-02	1.34E+00	1.50E+00	5.05E+01	1.11E+00	5.03E-01	5.36E+01	1.45E+00	6.38E-04	1.11E-01	9.85E-02	1.66E+00
3292	477363.09	3847877.25	1.13E+00	3.66E-04	9.13E-02	1.17E-01	1.34E+00	1.50E+00	3.51E+01	9.13E-01	5.98E-01	3.82E+01	1.45E+00	4.44E-04	9.13E-02	1.17E-01	1.66E+00
3293	477863.09	3847877.25	1.16E+00	4.35E-04	6.99E-02	9.09E-02	1.32E+00	1.53E+00	4.17E+01	6.99E-01	4.64E-01	4.44E+01	1.48E+00	5.27E-04	6.99E-02	9.09E-02	1.64E+00
3294	478363.09	3847877.25	1.23E+00	4.90E-04	5.35E-02	6.27E-02	1.34E+00	1.62E+00	4.70E+01	5.35E-01	3.20E-01	4.94E+01	1.57E+00	5.93E-04	5.35E-02	6.27E-02	1.69E+00
3295	478863.09	3847877.25	9.39E-01	4.97E-04	2.61E-01	1.45E-01	1.35E+00	1.24E+00	4.77E+01	2.61E+00	7.40E-01	5.23E+01	1.20E+00	6.02E-04	2.61E-01	1.45E-01	1.61E+00
3296	479363.09	3847877.25	4.73E-01	2.41E-04	2.85E-01	5.26E-02	8.10E-01	6.24E-01	2.31E+01	2.85E+00	2.68E-01	2.69E+01	6.06E-01	2.92E-04	2.85E-01	5.26E-02	9.44E-01
3297	479863.09	3847877.25	3.63E-01	2.01E-04	8.23E-02	2.62E-02	4.71E-01	4.79E-01	1.93E+01	8.23E-01	1.34E-01	2.08E+01	4.65E-01	2.44E-04	8.23E-02	2.62E-02	5.74E-01
3298	480363.09	3847877.25	3.06E-01	1.38E-04	6.90E-02	2.95E-02	4.04E-01	4.04E-01	1.32E+01	6.90E-01	1.51E-01	1.45E+01	3.92E-01	1.67E-04	6.90E-02	2.95E-02	4.90E-01
3299	480863.09	3847877.25	1.45E-01	1.54E-04	7.26E-02	3.59E-02	2.54E-01	1.92E-01	1.48E+01	7.26E-01	1.83E-01	1.59E+01	1.86E-01	1.87E-04	7.26E-02	3.59E-02	2.95E-01
3300	481363.09	3847877.25	1.72E-01	1.27E-04	6.85E-02	3.94E-02	2.80E-01	2.27E-01	1.22E+01	6.85E-01	2.01E-01	1.33E+01	2.20E-01	1.54E-04	6.85E-02	3.94E-02	3.28E-01
3301	481863.09	3847877.25	1.94E-01	1.07E-04	6.95E-02	3.99E-02	3.03E-01	2.56E-01	1.02E+01	6.95E-01	2.04E-01	1.14E+01	2.49E-01	1.29E-04	6.95E-02	3.99E-02	3.58E-01
3302	482363.09	3847877.25	3.47E-01	2.20E-04	7.91E-02	3.83E-02	4.64E-01	4.58E-01	2.11E+01	7.91E-01	1.96E-01	2.26E+01	4.45E-01	2.67E-04	7.91E-02	3.83E-02	5.62E-01
3303	482863.09	3847877.25	2.96E-01	2.16E-04	8.18E-02	3.63E-02	4.14E-01	3.90E-01	2.07E+01	8.18E-01	1.85E-01	2.21E+01	3.79E-01	2.61E-04	8.18E-02	3.63E-02	4.97E-01
3304	483363.09	3847877.25	2.45E-01	1.77E-04	9.97E-02	3.43E-02	3.79E-01	3.24E-01	1.69E+01	9.97E-01	1.75E-01	1.84E+01	3.14E-01	2.14E-04	9.97E-02	3.43E-02	4.48E-01
3305	483863.09	3847877.25	2.80E-01	1.69E-04	1.25E-01	3.30E-02	4.38E-01	3.70E-01	1.62E+01	1.25E+00	1.69E-01	1.80E+01	3.59E-01	2.04E-04	1.25E-01	3.30E-02	5.17E-01
3306	484363.09	3847877.25	3.93E-01	1.37E-04	1.60E-01	3.35E-02	5.87E-01	5.19E-01	1.32E+01	1.60E+00	1.71E-01	1.55E+01	5.03E-01	1.66E-04	1.60E-01	3.35E-02	6.97E-01
3307	484863.09	3847877.25	3.93E-01	1.59E-04	1.96E-01	3.19E-02	6.20E-01	5.19E-01	1.53E+01	1.96E+00	1.63E-01	1.79E+01	5.03E-01	1.93E-04	1.96E-01	3.19E-02	7.31E-01
3308	485363.09	3847877.25	3.65E-01	2.45E-04	1.48E-01	2.44E-02	5.38E-01	4.82E-01	2.35E+01	1.48E+00	1.25E-01	2.56E+01	4.68E-01	2.97E-04	1.48E-01	2.44E-02	6.41E-01
3309	485863.09	3847877.25	1.83E-01	2.17E-04	1.39E-01	2.68E-02	3.50E-01	2.42E-01	2.08E+01	1.39E+00	1.37E-01	2.26E+01	2.35E-01	2.63E-04	1.39E-01	2.68E-02	4.01E-01
3310	486363.09	3847877.25	1.57E-01	2.43E-04	9.46E-02	2.41E-02	2.76E-01	2.07E-01	2.33E+01	9.46E-01	1.23E-01	2.46E+01	2.01E-01	2.94E-04	9.46E-02	2.41E-02	3.20E-01
3311	486863.09	3847877.25	1.28E-01	2.77E-04	8.83E-02	2.34E-02	2.40E-01	1.69E-01	2.66E+01	8.83E-01	1.20E-01	2.78E+01	1.64E-01	3.36E-04	8.83E-02	2.34E-02	2.76E-01
3312	487363.09	3847877.25	1.12E-01	1.53E-04	1.11E-01	2.47E-02	2.49E-01	1.49E-01	1.47E+01	1.11E+00	1.26E-01	1.61E+01	1.44E-01	1.85E-04	1.11E-01	2.47E-02	2.80E-01
3313	487863.09	3847877.25	1.12E-01	1.16E-04	1.26E-01	2.49E-02	2.62E-01	1.47E-01	1.11E+01	1.26E+00	1.27E-01	1.27E+01	1.43E-01	1.41E-04	1.26E-01	2.49E-02	2.94E-01
3314	488363.09	3847877.25	1.04E-01	1.04E-04	1.86E-01	3.11E-02	3.21E-01	1.37E-01	1.00E+01	1.86E+00	1.59E-01	1.22E+01	1.33E-01	1.26E-04	1.86E-01	3.11E-02	3.50E-01
3315	488863.09	3847877.25	9.68E-02	1.11E-04	2.19E-01	3.40E-02	3.50E-01	1.28E-01	1.07E+01	2.19E+00	1.74E-01	1.32E+01	1.24E-01	1.35E-04	2.19E-01	3.40E-02	3.78E-01
3316	489363.09	3847877.25	9.62E-02	1.01E-04	1.66E-01	3.05E-02	2.92E-01	1.27E-01	9.70E+00	1.66E+00	1.56E-01	1.16E+01	1.23E-01	1.23E-04	1.66E-01	3.05E-02	3.20E-01
3317	489863.09	3847877.25	9.08E-02	1.19E-04	1.33E-01	2.09E-02	2.44E-01	1.20E-01	1.14E+01	1.33E+00	1.07E-01	1.30E+01	1.16E-01	1.44E-04	1.33E-01	2.09E-02	2.70E-01
3318	490363.09	3847877.25	1.55E-01	1.46E-04	1.15E-01	2.19E-02	2.92E-01	2.04E-01	1.40E+01	1.15E+00	1.12E-01	1.54E+01	1.98E-01	1.76E-04	1.15E-01	2.19E-02	3.35E-01
3319	490863.09	3847877.25	2.43E-01	1.59E-04	1.31E-01	2.27E-02	3.97E-01	3.21E-01	1.53E+01	1.31E+00	1.16E-01	1.70E+01	3.12E-01	1.93E-04	1.31E-01	2.27E-02	4.66E-01
3320	491363.09	3847877.25	2.69E-01	1.51E-04	1.35E-01	2.16E-02	4.25E-01	3.55E-01	1.45E+01	1.35E+00	1.10E-01	1.63E+01	3.44E-01	1.83E-04	1.35E-01	2.16E-02	5.01E-01
3321	491863.09	3847877.25	2.71E-01	1.26E-04	1.07E-01	2.16E-02	4.00E-01	3.58E-01	1.21E+01	1.07E+00	1.10E-01	1.36E+01	3.47E-01	1.53E-04	1.07E-01	2.16E-02	4.76E-01
3322	492363.09	3847877.25	2.70E-01	9.97E-05	8.44E-02	1.87E-02	3.74E-01	3.57E-01	9.56E+00	8.44E-01	9.55E-02	1.09E+01	3.47E-01	1.21E-04	8.44E-02	1.87E-02	4.50E-01
3323	492863.09	3847877.25	2.69E-01	7.70E-05	7.75E-02	1.59E-02	3.62E-01	3.55E-01	7.39E+00	7.75E-01	8.14E-02	8.60E+00	3.44E-01	9.33E-05	7.75E-02	1.59E-02	4.38E-01
3324	493363.09	3847877.25	2.54E-01	6.34E-05	9.99E-02	1.47E-02	3.69E-01	3.36E-01	6.08E+00	9.99E-01	7.52E-02	7.49E+00	3.26E-01	7.68E-05	9.99E-02	1.47E-02	4.41E-01
3325	493863.09	3847877.25	1.96E-01	7.37E-05	1.09E-01	1.72E-02	3.23E-01	2.59E-01	7.07E+00	1.09E+00	8.79E-02	8.51E+00	2.52E-01	8.93E-05	1.09E-01	1.72E-02	3.78E-01
3326	494363.09	3847877.25	1.00E-01	1.12E-04	1.02E-01	1.94E-02	2.21E-01	1.32E-01	1.07E+01	1.02E+00	9.88E-02	1.20E+01	1.28E-01	1.36E-04	1.02E-01	1.94E-02	2.50E-01
3327	494863.09	3847877.25	1.03E-01	1.56E-04	8.21E-02	2.06E-02	2.06E-01	1.36E-01	1.50E+01	8.21E-01	1.05E-01	1.60E+01	1.32E-01	1.89E-04	8.21E-02	2.06E-02	2.34E-01
3328	495363.09	3847877.25	1.15E-01	1.76E-04	1.03E-01	1.97E-02	2.38E-01	1.52E-01	1.68E+01	1.03E+00	1.01E-01	1.81E+01	1.48E-01	2.13E-04	1.03E-01	1.97E-02	2.70E-01
3329	495863.09	3847877.25	1.18E-01	1.66E-04	1.16E-01	1.42E-02	2.48E-01	1.55E-01	1.59E+01	1.16E+00	7.26E-02	1.73E+01	1.51E-01	2.01E-04	1.16E-01	1.42E-02	2.81E-01
3330	496363.09	3847877.25	1.18E-01	1.65E-04	1.14E-01	1.80E-02	2.50E-01	1.55E-01	1.58E+01	1.14E+00	9.22E-02	1.72E+01	1.51E-01	2.00E-04	1.14E-01	1.80E-02	2.83E-01
3331	496863.09	3847877.25	1.17E-01	1.99E-04	1.07E-01	1.76E-02	2.42E-01	1.55E-01	1.90E+01	1.07E+00	8.97E-02	2.04E+01	1.51E-01	2.41E-04	1.07E-01	1.76E-02	2.75E-01
3332	497363.09	3847877.25	1.17E-01	2.22E-04	7.36E-02	2.16E-02	2.13E-01	1.55E-01	2.13E+01	7.36E-01	1.10E-01	2.23E+01	1.50E-01	2.69E-04	7.36E-02	2.16E-02	2.46E-01
3333	497863.09	3847877.25	1.16E-01	1.92E-04	1.06E-01	2.01E-02	2.42E-01	1.53E-01	1.84E+01	1.06E+00	1.03E-01	1.97E+01	1.48E-01	2.33E-04	1.06E-01	2.01E-02	2.75E-01
3334	498363.09	3847877.25	1.08E-01	1.29E-04	9.61E-02	1.68E-02	2.21E-01	1.43E-01	1.24E+01	9.61E-01	8.58E-02	1.36E+01	1.38E-01	1.57E-04	9.61E-02	1.68E-02	2.51E-01
3335	471363.09	3848377.25	7.50E-01	6.23E-04	7.33E-02	2.57E-02	8.50E-01	9.91E-01	5.97E+01	7.33E-01	1.31E-01	6.16E+01	9.62E-01	7.54E-04	7.33E-02	2.57E-02	1.06E+00
3336	471863.09	3848377.25	7.35E-01	5.26E-04	8.31E-02	2.60E-02	8.45E-01	9.71E-01	5.04E+01	8.31E-01	1.33E-01	5.24E+01	9.43E-01	6.37E-04	8.31E-02	2.60E-02	1.05E+00
3337	472363.09	3848377.25	8.30E-01	6.07E-04	8.25E-02	3.30E-02	9.46E-01	1.10E+00	5.82E+01	8.25E-01	1.68E-01	6.03E+01	1.06E+00	7.35E-04	8.25E-02	3.30E-02	1.18E+00
3338	472863.09	3848377.25	8.06E-01	5.96E-04	7.10E-02	4.04E-02	9.18E-01	1.06E+00	5.72E+01	7.10E-01	2.07E-01	5.91E+01	1.03E+00	7.22E-04	7.10E-02	4.04E-02	1.15E+00
3339	473363.09	3848377.25	9.16E-01	6.24E-04	7.12E-02	4.76E-02	1.04E+00	1.21E+00	5.98E+01	7.12E-01	2.43E-01	6.20E+01	1.17E+00	7.56E-04	7.12E-02	4.76E-02	1.29E+00
3340	473863.09	3848377.25	9.50E-01	5.96E-04	6.92E-02	5.32E-02	1.07E+00	1.25E+00	5.72E+01	6.92E-01	2.72E-01	5.94E+01	1.22E+00	7.22E-04	6.92E-02	5.32E-02	1.34E+00
3341	474363.09	3848377.25	8.03E-01	7.27E-04	8.70E-02	5.60E-02	9.46E-01	1.06E+00	6.97E+01	8.70E-01	2.86E-01	7.19E+01	1.03E+00	8.81E-04	8.70E-02	5.60E-02	1.17E+00
3342	474863.09	3848377.25	9.25E-01	6.95E-04	1.05E-01	5.50E-02	1.09E+00	1.22E+00	6.67E+01	1.05E+00	2.81E-01	6.92E+01	1.19E+00	8.42E-04	1.05E-01	5.50E-02	1.35E+00
3343	475363.09	3848377.25	9.50E-01	5.92E-04	1.22E-01	5.01E-02	1.12E+00	1.25E+00	5.68E+01	1.22E+00	2.56E-01	5.95E+01	1.22E+00	7.17E-04	1.22E-01	5.01E-02	1.39E+00
3344	475863.09	3848377.25	9.06E-01	3.37E-04	1.33E-01	4.20E-02	1.08E+00	1.20E+00	3.23E+01	1.33E+00	2.14E-01	3.50E+01	1.16E+00	4.08E-04	1.33E-01	4.20E-02	1.34E+00
3345	476363.09	3848377.25	9.29E-01	3.76E-04	1.37E-01	3.23E-02	1.10E+00	1.23E+00	3.61E+01	1.37E+00	1.65E-01	3.88E+01	1.19E+00	4.56E-04	1.37E-01	3.23E-02	1.36E+00
3346	476863.09	3848377.25	1.36E+00	6.89E-04	1.32E-01	5.16E-02	1.55E+00	1.80E+00	6.60E+01	1.32E+00	2.63E-01	6.94E+01	1.75E+00	8.34E-04	1.32E-01	5.16E-02	1.93E+00
3347	477363.09	3848377.25	1.20E+00	5.38E-04	1.18E-01	1.10E-01	1.43E+00	1.59E+00	5.16E+01	1.18E+00	5.60E-01	5.50E+01	1.54E+00	6.52E-04	1.18E-01	1.10E-01	1.77E+00
3348	477863.09	3848377.25	1.26E+00	3.78E-04	9.79E-02	1.21E-01	1.48E+00	1.66E+00	3.62E+01	9.79E-01	6.20E-01	3.95E+01	1.61E+00	4.57E-04	9.79E-02	1.21E-01	1.83E+00
3349	478363.09	3848377.25	1.25E+00	4.68E-04	7.48E-02	9.20E-02	1.42E+00	1.65E+00	4.49E+01	7.48E-01	4.70E-01	4.78E+01	1.60E+00	5.67E-04	7.48E-02	9.20E-02	1.77E+00
3350	478863.09	3848377.25	1.23E+00	4.94E-04	8.17E-02	9.66E-02	1.41E+00	1.62E+00	4.73E+01	8.17E-01	4.93E-01	5.03E+01	1.57E+00	5.98E-04	8.17E-02	9.66E-02	1.75E+00
3351	479363.09	3848377.25	5.87E-01	2.50E-04	2.06E-01	7.35E-02	8.67E-01	7.76E-01	2.40E+01	2.06E+00	3.75E-01	2.72E+01	7.53E-01	3.03E-04	2.06E-01	7.35E-02	1.03E+00

3352	479863.09	3848377.25	2.90E-01	2.36E-04	8.58E-02	2.59E-02	4.02E-01	3.83E-01	2.26E+01	8.58E-01	1.32E-01	2.40E+01	3.72E-01	2.85E-04	8.58E-02	2.59E-02	4.84E-01
3353	480363.09	3848377.25	3.80E-01	1.85E-04	8.34E-02	2.75E-02	4.91E-01	5.01E-01	1.77E+01	8.34E-01	1.40E-01	1.92E+01	4.87E-01	2.24E-04	8.34E-02	2.75E-02	5.98E-01
3354	480863.09	3848377.25	5.22E-01	1.55E-04	7.20E-02	3.51E-02	6.29E-01	6.89E-01	1.49E+01	7.20E-01	1.79E-01	1.64E+01	6.69E-01	1.88E-04	7.20E-02	3.51E-02	7.76E-01
3355	481363.09	3848377.25	2.74E-01	1.39E-04	7.62E-02	4.00E-02	3.90E-01	3.61E-01	1.33E+01	7.62E-01	2.05E-01	1.47E+01	3.51E-01	1.68E-04	7.62E-02	4.00E-02	4.67E-01
3356	481863.09	3848377.25	2.81E-01	1.12E-04	6.52E-02	4.12E-02	3.88E-01	3.71E-01	1.08E+01	6.52E-01	2.11E-01	1.20E+01	3.60E-01	1.36E-04	6.52E-02	4.12E-02	4.67E-01
3357	482363.09	3848377.25	3.80E-01	2.15E-04	7.73E-02	3.98E-02	4.97E-01	5.02E-01	2.06E+01	7.73E-01	2.03E-01	2.21E+01	4.87E-01	2.61E-04	7.73E-02	3.98E-02	6.04E-01
3358	482863.09	3848377.25	4.33E-01	2.20E-04	8.46E-02	3.74E-02	5.56E-01	5.72E-01	2.11E+01	8.46E-01	1.91E-01	2.27E+01	5.55E-01	2.67E-04	8.46E-02	3.74E-02	6.78E-01
3359	483363.09	3848377.25	4.10E-01	1.75E-04	9.18E-02	3.55E-02	5.37E-01	5.42E-01	1.68E+01	9.18E-01	1.81E-01	1.84E+01	5.26E-01	2.12E-04	9.18E-02	3.55E-02	6.53E-01
3360	483863.09	3848377.25	2.47E-01	1.75E-04	1.20E-01	3.36E-02	4.01E-01	3.27E-01	1.67E+01	1.20E+00	1.71E-01	1.84E+01	3.17E-01	2.11E-04	1.20E-01	3.36E-02	4.71E-01
3361	484363.09	3848377.25	3.92E-01	1.52E-04	1.46E-01	3.47E-02	5.73E-01	5.17E-01	1.46E+01	1.46E+00	1.77E-01	1.68E+01	5.02E-01	1.85E-04	1.46E-01	3.47E-02	6.83E-01
3362	484863.09	3848377.25	3.93E-01	1.43E-04	1.98E-01	3.16E-02	6.23E-01	5.19E-01	1.37E+01	1.98E+00	1.61E-01	1.64E+01	5.04E-01	1.74E-04	1.98E-01	3.16E-02	7.34E-01
3363	485363.09	3848377.25	3.76E-01	2.44E-04	1.67E-01	2.39E-02	5.67E-01	4.97E-01	2.34E+01	1.67E+00	1.22E-01	2.57E+01	4.82E-01	2.96E-04	1.67E-01	2.39E-02	6.73E-01
3364	485863.09	3848377.25	1.99E-01	2.21E-04	1.50E-01	2.72E-02	3.77E-01	2.63E-01	2.12E+01	1.50E+00	1.39E-01	2.31E+01	2.55E-01	2.68E-04	1.50E-01	2.72E-02	4.33E-01
3365	486363.09	3848377.25	1.59E-01	2.33E-04	9.65E-02	2.40E-02	2.80E-01	2.10E-01	2.23E+01	9.65E-01	1.22E-01	2.36E+01	2.04E-01	2.82E-04	9.65E-02	2.40E-02	3.25E-01
3366	486863.09	3848377.25	1.28E-01	2.85E-04	9.40E-02	2.33E-02	2.45E-01	1.69E-01	2.73E+01	9.40E-01	1.19E-01	2.85E+01	1.64E-01	3.45E-04	9.40E-02	2.33E-02	2.81E-01
3367	487363.09	3848377.25	1.13E-01	1.74E-04	1.15E-01	2.57E-02	2.53E-01	1.49E-01	1.66E+01	1.15E+00	1.32E-01	1.81E+01	1.44E-01	2.10E-04	1.15E-01	2.57E-02	2.85E-01
3368	487863.09	3848377.25	1.12E-01	1.17E-04	1.31E-01	2.54E-02	2.68E-01	1.47E-01	1.12E+01	1.31E+00	1.30E-01	1.28E+01	1.43E-01	1.42E-04	1.31E-01	2.54E-02	2.99E-01
3369	488363.09	3848377.25	9.96E-02	1.06E-04	1.94E-01	3.16E-02	3.25E-01	1.32E-01	1.01E+01	1.94E+00	1.61E-01	1.24E+01	1.28E-01	1.28E-04	1.94E-01	3.16E-02	3.53E-01
3370	488863.09	3848377.25	9.71E-02	1.15E-04	2.24E-01	3.45E-02	3.56E-01	1.28E-01	1.10E+01	2.24E+00	1.76E-01	1.36E+01	1.24E-01	1.39E-04	2.24E-01	3.45E-02	3.83E-01
3371	489363.09	3848377.25	9.56E-02	1.13E-04	1.60E-01	3.04E-02	2.86E-01	1.26E-01	1.09E+01	1.60E+00	1.56E-01	1.27E+01	1.23E-01	1.37E-04	1.60E-01	3.04E-02	3.13E-01
3372	489863.09	3848377.25	1.28E-01	1.41E-04	1.27E-01	2.15E-02	2.76E-01	1.69E-01	1.35E+01	1.27E+00	1.10E-01	1.50E+01	1.64E-01	1.70E-04	1.27E-01	2.15E-02	3.13E-01
3373	490363.09	3848377.25	2.33E-01	1.59E-04	1.14E-01	2.32E-02	3.70E-01	3.08E-01	1.53E+01	1.14E+00	1.19E-01	1.68E+01	2.99E-01	1.93E-04	1.14E-01	2.32E-02	4.36E-01
3374	490863.09	3848377.25	2.68E-01	1.55E-04	1.42E-01	2.14E-02	4.31E-01	3.53E-01	1.49E+01	1.42E+00	1.10E-01	1.68E+01	3.43E-01	1.88E-04	1.42E-01	2.14E-02	5.07E-01
3375	491363.09	3848377.25	2.71E-01	1.32E-04	1.34E-01	2.24E-02	4.28E-01	3.58E-01	1.27E+01	1.34E+00	1.14E-01	1.45E+01	3.48E-01	1.60E-04	1.34E-01	2.24E-02	5.04E-01
3376	491863.09	3848377.25	2.71E-01	1.05E-04	9.70E-02	2.15E-02	3.89E-01	3.57E-01	1.01E+01	9.70E-01	1.10E-01	1.15E+01	3.47E-01	1.27E-04	9.70E-02	2.15E-02	4.66E-01
3377	492363.09	3848377.25	2.70E-01	8.14E-05	8.10E-02	1.77E-02	3.68E-01	3.56E-01	7.80E+00	8.10E-01	9.06E-02	9.06E+00	3.46E-01	9.86E-05	8.10E-02	1.77E-02	4.44E-01
3378	492863.09	3848377.25	2.61E-01	6.40E-05	9.43E-02	1.55E-02	3.71E-01	3.45E-01	6.14E+00	9.43E-01	7.93E-02	7.50E+00	3.35E-01	7.75E-05	9.43E-02	1.55E-02	4.45E-01
3379	493363.09	3848377.25	2.16E-01	6.73E-05	1.12E-01	1.84E-02	3.47E-01	2.86E-01	6.46E+00	1.12E+00	9.40E-02	7.96E+00	2.77E-01	8.16E-05	1.12E-01	1.84E-02	4.08E-01
3380	493863.09	3848377.25	1.21E-01	1.01E-04	1.11E-01	1.79E-02	2.50E-01	1.60E-01	9.72E+00	1.11E+00	9.13E-02	1.11E+01	1.55E-01	1.23E-04	1.11E-01	1.79E-02	2.84E-01
3381	494363.09	3848377.25	1.10E-01	1.49E-04	9.43E-02	1.84E-02	2.23E-01	1.45E-01	1.43E+01	9.43E-01	9.42E-02	1.54E+01	1.41E-01	1.80E-04	9.43E-02	1.84E-02	2.54E-01
3382	494863.09	3848377.25	1.17E-01	1.76E-04	9.69E-02	1.78E-02	2.32E-01	1.54E-01	1.69E+01	9.69E-01	9.09E-02	1.81E+01	1.50E-01	2.13E-04	9.69E-02	1.78E-02	2.65E-01
3383	495363.09	3848377.25	1.18E-01	1.69E-04	1.18E-01	1.57E-02	2.52E-01	1.55E-01	1.62E+01	1.18E+00	8.04E-02	1.76E+01	1.51E-01	2.05E-04	1.18E-01	1.57E-02	2.85E-01
3384	495863.09	3848377.25	1.18E-01	1.60E-04	1.16E-01	1.48E-02	2.49E-01	1.55E-01	1.53E+01	1.16E+00	7.55E-02	1.67E+01	1.51E-01	1.94E-04	1.16E-01	1.48E-02	2.82E-01
3385	496363.09	3848377.25	1.17E-01	1.89E-04	9.45E-02	1.69E-02	2.29E-01	1.55E-01	1.82E+01	9.45E-01	8.64E-02	1.93E+01	1.50E-01	2.29E-04	9.45E-02	1.69E-02	2.62E-01
3386	496863.09	3848377.25	1.17E-01	2.23E-04	7.22E-02	1.78E-02	2.07E-01	1.55E-01	2.14E+01	7.22E-01	9.08E-02	2.24E+01	1.50E-01	2.70E-04	7.22E-02	1.78E-02	2.40E-01
3387	497363.09	3848377.25	1.15E-01	2.05E-04	8.33E-02	1.76E-02	2.16E-01	1.52E-01	1.97E+01	8.33E-01	8.98E-02	2.07E+01	1.47E-01	2.48E-04	8.33E-02	1.76E-02	2.48E-01
3388	497863.09	3848377.25	1.04E-01	1.44E-04	9.99E-02	1.80E-02	2.22E-01	1.37E-01	1.38E+01	9.99E-01	9.18E-02	1.50E+01	1.33E-01	1.74E-04	9.99E-02	1.80E-02	2.51E-01
3389	498363.09	3848377.25	8.91E-02	8.02E-05	9.70E-02	1.95E-02	2.06E-01	1.18E-01	7.69E+00	9.70E-01	9.98E-02	8.88E+00	1.14E-01	9.72E-05	9.70E-02	1.95E-02	2.31E-01
3390	471363.09	3848877.25	4.95E-01	6.38E-04	5.59E-02	2.74E-02	5.79E-01	6.54E-01	6.12E+01	5.59E-01	1.40E-01	6.26E+01	6.35E-01	7.73E-04	5.59E-02	2.74E-02	7.19E-01
3391	471863.09	3848877.25	7.29E-01	6.39E-04	6.38E-02	2.55E-02	8.19E-01	9.62E-01	6.13E+01	6.38E-01	1.30E-01	6.30E+01	9.34E-01	7.74E-04	6.38E-02	2.55E-02	1.02E+00
3392	472363.09	3848877.25	7.91E-01	6.50E-04	7.94E-02	2.68E-02	8.98E-01	1.04E+00	6.23E+01	7.94E-01	1.37E-01	6.43E+01	1.01E+00	7.87E-04	7.94E-02	2.68E-02	1.12E+00
3393	472863.09	3848877.25	7.77E-01	6.23E-04	8.65E-02	3.16E-02	8.96E-01	1.03E+00	5.97E+01	8.65E-01	1.61E-01	6.18E+01	9.97E-01	7.55E-04	8.65E-02	3.16E-02	1.12E+00
3394	473363.09	3848877.25	8.62E-01	6.41E-04	8.18E-02	3.95E-02	9.84E-01	1.14E+00	6.14E+01	8.18E-01	2.02E-01	6.36E+01	1.10E+00	7.76E-04	8.18E-02	3.95E-02	1.23E+00
3395	473863.09	3848877.25	8.53E-01	6.72E-04	7.31E-02	4.75E-02	9.75E-01	1.13E+00	6.44E+01	7.31E-01	2.43E-01	6.65E+01	1.09E+00	8.14E-04	7.31E-02	4.75E-02	1.22E+00
3396	474363.09	3848877.25	9.37E-01	6.76E-04	7.27E-02	5.43E-02	1.06E+00	1.24E+00	6.48E+01	7.27E-01	2.77E-01	6.71E+01	1.20E+00	8.19E-04	7.27E-02	5.43E-02	1.33E+00
3397	474863.09	3848877.25	1.04E+00	6.99E-04	8.38E-02	5.82E-02	1.18E+00	1.37E+00	6.71E+01	8.38E-01	2.97E-01	6.96E+01	1.33E+00	8.47E-04	8.38E-02	5.82E-02	1.47E+00
3398	475363.09	3848877.25	1.09E+00	8.66E-04	1.04E-01	5.82E-02	1.25E+00	1.44E+00	8.30E+01	1.04E+00	2.97E-01	8.58E+01	1.40E+00	1.05E-03	1.04E-01	5.82E-02	1.56E+00
3399	475863.09	3848877.25	1.02E+00	7.26E-04	1.23E-01	5.36E-02	1.19E+00	1.34E+00	6.96E+01	1.23E+00	2.74E-01	7.24E+01	1.30E+00	8.79E-04	1.23E-01	5.36E-02	1.48E+00
3400	476363.09	3848877.25	9.98E-01	4.70E-04	1.37E-01	4.52E-02	1.18E+00	1.32E+00	4.51E+01	1.37E+00	2.31E-01	4.80E+01	1.28E+00	5.69E-04	1.37E-01	4.52E-02	1.46E+00
3401	476863.09	3848877.25	1.04E+00	5.11E-04	1.44E-01	3.48E-02	1.22E+00	1.37E+00	4.90E+01	1.44E+00	1.78E-01	5.20E+01	1.33E+00	6.19E-04	1.44E-01	3.48E-02	1.51E+00
3402	477363.09	3848877.25	1.43E+00	7.92E-04	1.40E-01	5.40E-02	1.63E+00	1.89E+00	7.59E+01	1.40E+00	2.76E-01	7.95E+01	1.83E+00	9.59E-04	1.40E-01	5.40E-02	2.03E+00
3403	477863.09	3848877.25	1.29E+00	5.82E-04	1.27E-01	1.15E-01	1.53E+00	1.71E+00	5.58E+01	1.27E+00	5.89E-01	5.94E+01	1.66E+00	7.05E-04	1.27E-01	1.15E-01	1.90E+00
3404	478363.09	3848877.25	1.42E+00	4.03E-04	1.05E-01	1.21E-01	1.65E+00	1.88E+00	3.87E+01	1.05E+00	6.19E-01	4.22E+01	1.82E+00	4.89E-04	1.05E-01	1.21E-01	2.05E+00
3405	478863.09	3848877.25	1.39E+00	4.88E-04	8.03E-02	1.22E-01	1.59E+00	1.84E+00	4.68E+01	8.03E-01	6.26E-01	5.01E+01	1.78E+00	5.91E-04	8.03E-02	1.22E-01	1.99E+00
3406	479363.09	3848877.25	1.17E+00	4.95E-04	9.59E-02	1.40E-01	1.40E+00	1.54E+00	4.75E+01	9.59E-01	7.17E-01	5.07E+01	1.50E+00	6.00E-04	9.59E-02	1.40E-01	1.73E+00
3407	479863.09	3848877.25	5.75E-01	2.51E-04	2.64E-01	8.53E-02	9.25E-01	7.60E-01	2.41E+01	2.64E+00	4.36E-01	2.79E+01	7.37E-01	3.04E-04	2.64E-01	8.53E-02	1.09E+00
3408	480363.09	3848877.25	6.98E-01	2.26E-04	4.73E-01	5.08E-02	1.22E+00	9.22E-01	2.17E+01	4.73E+00	2.60E-01	2.76E+01	8.95E-01	2.74E-04	4.73E-01	5.08E-02	1.42E+00
3409	480863.09	3848877.25	7.51E-01	2.20E-04	3.49E-01	3.82E-02	1.14E+00	9.91E-01	2.11E+01	3.49E+00	1.95E-01	2.58E+01	9.62E-01	2.66E-04	3.49E-01	3.82E-02	1.35E+00
3410	481363.09	3848877.25	5.51E-01	1.52E-04	7.48E-02	4.73E-02	6.73E-01	7.28E-01	1.46E+01	7.48E-01	2.42E-01	1.63E+01	7.07E-01	1.84E-04	7.48E-02	4.73E-02	8.29E-01
3411	481863.09	3848877.25	3.23E-01	1.20E-04	7.77E-02	4.25E-02	4.44E-01	4.27E-01	1.15E+01	7.77E-01	2.17E-01	1.29E+01	4.15E-01	1.45E-04	7.77E-02	4.25E-02	5.35E-01
3412	482363.09	3848877.25	2.11E-01	2.08E-04	7.30E-02	4.12E-02	3.26E-01	2.79E-01	1.99E+01	7.30E-01	2.11E-01	2.12E+01	2.71E-01	2.52E-04	7.30E-02	4.12E-02	3.85E-01

3413	482863.09	3848877.25	2.76E-01	2.24E-04	8.50E-02	3.86E-02	4.00E-01	3.65E-01	2.15E+01	8.50E-01	1.97E-01	2.29E+01	3.54E-01	2.71E-04	8.50E-02	3.86E-02	4.78E-01
3414	483363.09	3848877.25	2.97E-01	1.80E-04	8.89E-02	3.64E-02	4.23E-01	3.93E-01	1.73E+01	8.89E-01	1.86E-01	1.87E+01	3.81E-01	2.18E-04	8.89E-02	3.64E-02	5.07E-01
3415	483863.09	3848877.25	2.17E-01	1.78E-04	1.13E-01	3.48E-02	3.65E-01	2.86E-01	1.71E+01	1.13E+00	1.78E-01	1.87E+01	2.78E-01	2.16E-04	1.13E-01	3.48E-02	4.26E-01
3416	484363.09	3848877.25	3.90E-01	1.64E-04	1.42E-01	3.49E-02	5.68E-01	5.16E-01	1.57E+01	1.42E+00	1.79E-01	1.78E+01	5.00E-01	1.99E-04	1.42E-01	3.49E-02	6.78E-01
3417	484863.09	3848877.25	3.93E-01	1.27E-04	1.89E-01	3.23E-02	6.15E-01	5.20E-01	1.22E+01	1.89E+00	1.65E-01	1.48E+01	5.04E-01	1.54E-04	1.89E-01	3.23E-02	7.26E-01
3418	485363.09	3848877.25	3.84E-01	2.41E-04	1.92E-01	2.71E-02	6.03E-01	5.07E-01	2.31E+01	1.92E+00	1.38E-01	2.57E+01	4.92E-01	2.92E-04	1.92E-01	2.71E-02	7.11E-01
3419	485863.09	3848877.25	2.33E-01	2.26E-04	1.62E-01	2.71E-02	4.23E-01	3.08E-01	2.17E+01	1.62E+00	1.38E-01	2.38E+01	2.99E-01	2.74E-04	1.62E-01	2.71E-02	4.89E-01
3420	486363.09	3848877.25	1.61E-01	2.23E-04	1.04E-01	2.52E-02	2.91E-01	2.13E-01	2.14E+01	1.04E+00	1.29E-01	2.28E+01	2.07E-01	2.70E-04	1.04E-01	2.52E-02	3.37E-01
3421	486863.09	3848877.25	1.51E-01	2.88E-04	9.98E-02	2.53E-02	2.76E-01	1.99E-01	2.77E+01	9.98E-01	1.29E-01	2.90E+01	1.93E-01	3.49E-04	9.98E-02	2.53E-02	3.19E-01
3422	487363.09	3848877.25	1.78E-01	1.95E-04	1.18E-01	2.59E-02	3.22E-01	2.35E-01	1.87E+01	1.18E+00	1.32E-01	2.02E+01	2.28E-01	2.36E-04	1.18E-01	2.59E-02	3.73E-01
3423	487863.09	3848877.25	1.11E-01	1.18E-04	1.36E-01	2.59E-02	2.74E-01	1.47E-01	1.13E+01	1.36E+00	1.32E-01	1.30E+01	1.43E-01	1.43E-04	1.36E-01	2.59E-02	3.05E-01
3424	488363.09	3848877.25	1.07E-01	1.07E-04	2.01E-01	3.20E-02	3.40E-01	1.41E-01	1.03E+01	2.01E+00	1.63E-01	1.26E+01	1.37E-01	1.30E-04	2.01E-01	3.20E-02	3.71E-01
3425	488863.09	3848877.25	1.58E-01	1.18E-04	2.28E-01	3.49E-02	4.20E-01	2.08E-01	1.13E+01	2.28E+00	1.79E-01	1.40E+01	2.02E-01	1.43E-04	2.28E-01	3.49E-02	4.65E-01
3426	489363.09	3848877.25	1.71E-01	1.35E-04	1.53E-01	3.03E-02	3.54E-01	2.26E-01	1.29E+01	1.53E+00	1.55E-01	1.48E+01	2.19E-01	1.63E-04	1.53E-01	3.03E-02	4.02E-01
3427	489863.09	3848877.25	2.20E-01	1.58E-04	1.92E-01	2.36E-02	4.35E-01	2.90E-01	1.51E+01	1.92E+00	1.20E-01	1.75E+01	2.82E-01	1.91E-04	1.92E-01	2.36E-02	4.97E-01
3428	490363.09	3848877.25	2.66E-01	1.59E-04	1.32E-01	2.25E-02	4.20E-01	3.51E-01	1.53E+01	1.32E+00	1.15E-01	1.70E+01	3.41E-01	1.93E-04	1.32E-01	2.25E-02	4.95E-01
3429	490863.09	3848877.25	2.71E-01	1.39E-04	1.50E-01	2.19E-02	4.43E-01	3.58E-01	1.33E+01	1.50E+00	1.12E-01	1.53E+01	3.48E-01	1.68E-04	1.50E-01	2.19E-02	5.20E-01
3430	491363.09	3848877.25	2.71E-01	1.10E-04	1.29E-01	2.30E-02	4.23E-01	3.58E-01	1.06E+01	1.29E+00	1.18E-01	1.24E+01	3.47E-01	1.34E-04	1.29E-01	2.30E-02	4.99E-01
3431	491863.09	3848877.25	2.70E-01	8.61E-05	9.27E-02	2.12E-02	3.84E-01	3.57E-01	8.26E+00	9.27E-01	1.08E-01	9.65E+00	3.46E-01	1.04E-04	9.27E-02	2.12E-02	4.60E-01
3432	492363.09	3848877.25	2.66E-01	6.60E-05	8.50E-02	1.66E-02	3.67E-01	3.51E-01	6.33E+00	8.50E-01	8.47E-02	7.62E+00	3.41E-01	8.00E-05	8.50E-02	1.66E-02	4.42E-01
3433	492863.09	3848877.25	2.34E-01	6.25E-05	1.11E-01	1.97E-02	3.64E-01	3.09E-01	5.99E+00	1.11E+00	1.01E-01	7.51E+00	3.00E-01	7.57E-05	1.11E-01	1.97E-02	4.30E-01
3434	493363.09	3848877.25	1.44E-01	9.07E-05	1.19E-01	1.75E-02	2.81E-01	1.90E-01	8.70E+00	1.19E+00	8.92E-02	1.02E+01	1.84E-01	1.10E-04	1.19E-01	1.75E-02	3.21E-01
3435	493863.09	3848877.25	1.14E-01	1.39E-04	1.07E-01	1.87E-02	2.40E-01	1.51E-01	1.34E+01	1.07E+00	9.57E-02	1.47E+01	1.47E-01	1.69E-04	1.07E-01	1.87E-02	2.73E-01
3436	494363.09	3848877.25	1.18E-01	1.75E-04	8.71E-02	1.88E-02	2.24E-01	1.55E-01	1.68E+01	8.71E-01	9.59E-02	1.79E+01	1.51E-01	2.12E-04	8.71E-02	1.88E-02	2.57E-01
3437	494863.09	3848877.25	1.18E-01	1.74E-04	1.20E-01	1.72E-02	2.55E-01	1.55E-01	1.67E+01	1.20E+00	8.80E-02	1.81E+01	1.51E-01	2.10E-04	1.20E-01	1.72E-02	2.88E-01
3438	495363.09	3848877.25	1.18E-01	1.57E-04	1.26E-01	1.48E-02	2.58E-01	1.55E-01	1.51E+01	1.26E+00	7.56E-02	1.66E+01	1.51E-01	1.91E-04	1.26E-01	1.48E-02	2.91E-01
3439	495863.09	3848877.25	1.17E-01	1.79E-04	9.90E-02	1.60E-02	2.32E-01	1.55E-01	1.71E+01	9.90E-01	8.17E-02	1.84E+01	1.50E-01	2.16E-04	9.90E-02	1.60E-02	2.66E-01
3440	496363.09	3848877.25	1.17E-01	2.21E-04	7.44E-02	1.75E-02	2.09E-01	1.54E-01	2.12E+01	7.44E-01	8.95E-02	2.22E+01	1.50E-01	2.68E-04	7.44E-02	1.75E-02	2.42E-01
3441	496863.09	3848877.25	1.13E-01	2.17E-04	8.68E-02	1.80E-02	2.18E-01	1.50E-01	2.08E+01	8.68E-01	9.22E-02	2.19E+01	1.45E-01	2.62E-04	8.68E-02	1.80E-02	2.50E-01
3442	497363.09	3848877.25	9.73E-02	1.59E-04	1.04E-01	1.93E-02	2.21E-01	1.28E-01	1.53E+01	1.04E+00	9.86E-02	1.65E+01	1.25E-01	1.93E-04	1.04E-01	1.93E-02	2.48E-01
3443	497863.09	3848877.25	1.08E-01	9.21E-05	1.00E-01	2.20E-02	2.30E-01	1.43E-01	8.83E+00	1.00E+00	1.12E-01	1.01E+01	1.39E-01	1.12E-04	1.00E-01	2.20E-02	2.61E-01
3444	498363.09	3848877.25	1.51E-01	7.94E-05	8.47E-02	2.30E-02	2.59E-01	2.00E-01	7.61E+00	8.47E-01	1.18E-01	8.78E+00	1.94E-01	9.62E-05	8.47E-02	2.30E-02	3.02E-01
3445	471363.09	3849377.25	6.52E-01	5.94E-04	5.99E-02	2.51E-02	7.38E-01	8.62E-01	5.70E+01	5.99E-01	1.28E-01	5.86E+01	8.36E-01	7.20E-04	5.99E-02	2.51E-02	9.22E-01
3446	471863.09	3849377.25	6.02E-01	7.09E-04	5.97E-02	2.75E-02	6.90E-01	7.95E-01	6.80E+01	5.97E-01	1.41E-01	6.95E+01	7.71E-01	8.59E-04	5.97E-02	2.75E-02	8.59E-01
3447	472363.09	3849377.25	5.57E-01	7.00E-04	5.82E-02	2.75E-02	6.44E-01	7.36E-01	6.72E+01	5.82E-01	1.40E-01	6.86E+01	7.15E-01	8.49E-04	5.82E-02	2.75E-02	8.01E-01
3448	472863.09	3849377.25	7.89E-01	7.25E-04	7.06E-02	2.71E-02	8.88E-01	1.04E+00	6.96E+01	7.06E-01	1.39E-01	7.14E+01	1.01E+00	8.79E-04	7.06E-02	2.71E-02	1.11E+00
3449	473363.09	3849377.25	8.32E-01	6.27E-04	8.51E-02	2.99E-02	9.47E-01	1.10E+00	6.02E+01	8.51E-01	1.53E-01	6.23E+01	1.07E+00	7.60E-04	8.51E-02	2.99E-02	1.18E+00
3450	473863.09	3849377.25	8.62E-01	7.16E-04	8.88E-02	3.83E-02	9.89E-01	1.14E+00	6.87E+01	8.88E-01	1.96E-01	7.09E+01	1.10E+00	8.67E-04	8.88E-02	3.83E-02	1.23E+00
3451	474363.09	3849377.25	8.93E-01	6.79E-04	7.88E-02	4.71E-02	1.02E+00	1.18E+00	6.51E+01	7.88E-01	2.41E-01	6.73E+01	1.14E+00	8.23E-04	7.88E-02	4.71E-02	1.27E+00
3452	474863.09	3849377.25	9.62E-01	7.05E-04	7.69E-02	5.51E-02	1.10E+00	1.27E+00	6.76E+01	7.69E-01	2.81E-01	7.00E+01	1.23E+00	8.55E-04	7.69E-02	5.51E-02	1.37E+00
3453	475363.09	3849377.25	1.05E+00	8.55E-04	8.02E-02	6.04E-02	1.19E+00	1.39E+00	8.20E+01	8.02E-01	3.09E-01	8.45E+01	1.35E+00	1.04E-03	8.02E-02	6.04E-02	1.49E+00
3454	475863.09	3849377.25	9.28E-01	1.09E-03	1.02E-01	6.16E-02	1.09E+00	1.23E+00	1.05E+02	1.02E+00	3.15E-01	1.08E+02	1.19E+00	1.33E-03	1.02E-01	6.16E-02	1.35E+00
3455	476363.09	3849377.25	1.05E+00	9.56E-04	1.23E-01	5.76E-02	1.23E+00	1.39E+00	9.17E+01	1.23E+00	2.94E-01	9.46E+01	1.35E+00	1.16E-03	1.23E-01	5.76E-02	1.53E+00
3456	476863.09	3849377.25	1.17E+00	7.58E-04	1.40E-01	4.89E-02	1.36E+00	1.54E+00	7.27E+01	1.40E+00	2.50E-01	7.59E+01	1.50E+00	9.18E-04	1.40E-01	4.89E-02	1.69E+00
3457	477363.09	3849377.25	1.04E+00	7.38E-04	1.50E-01	3.77E-02	1.23E+00	1.37E+00	7.07E+01	1.50E+00	1.92E-01	7.38E+01	1.33E+00	8.94E-04	1.50E-01	3.77E-02	1.52E+00
3458	477863.09	3849377.25	1.51E+00	7.93E-04	1.49E-01	6.43E-02	1.73E+00	2.00E+00	7.61E+01	1.49E+00	3.28E-01	7.99E+01	1.94E+00	9.61E-04	1.49E-01	6.43E-02	2.15E+00
3459	478363.09	3849377.25	1.42E+00	6.16E-04	1.36E-01	1.14E-01	1.67E+00	1.88E+00	5.91E+01	1.36E+00	5.84E-01	6.29E+01	1.82E+00	7.47E-04	1.36E-01	1.14E-01	2.07E+00
3460	478863.09	3849377.25	1.53E+00	4.47E-04	1.13E-01	1.20E-01	1.77E+00	2.03E+00	4.28E+01	1.13E+00	6.14E-01	4.66E+01	1.97E+00	5.41E-04	1.13E-01	1.20E-01	2.20E+00
3461	479363.09	3849377.25	1.55E+00	4.94E-04	8.64E-02	1.23E-01	1.76E+00	2.04E+00	4.74E+01	8.64E-01	6.28E-01	5.09E+01	1.98E+00	5.99E-04	8.64E-02	1.23E-01	2.19E+00
3462	479863.09	3849377.25	1.14E+00	4.99E-04	1.16E-01	1.87E-01	1.45E+00	1.51E+00	4.79E+01	1.16E+00	9.57E-01	5.15E+01	1.47E+00	6.05E-04	1.16E-01	1.87E-01	1.77E+00
3463	480363.09	3849377.25	9.00E-01	5.04E-04	4.38E-01	1.98E-01	1.54E+00	1.19E+00	4.83E+01	4.38E+00	1.01E+00	5.49E+01	1.15E+00	6.10E-04	4.38E-01	1.98E-01	1.79E+00
3464	480863.09	3849377.25	9.28E-01	4.26E-04	6.70E-01	8.13E-02	1.68E+00	1.23E+00	4.08E+01	6.70E+00	4.16E-01	4.92E+01	1.19E+00	5.16E-04	6.70E-01	8.13E-02	1.94E+00
3465	481363.09	3849377.25	6.87E-01	2.41E-04	2.13E-01	4.67E-02	9.46E-01	9.07E-01	2.31E+01	2.13E+00	2.39E-01	2.64E+01	8.80E-01	2.92E-04	2.13E-01	4.67E-02	1.14E+00
3466	481863.09	3849377.25	2.90E-01	1.27E-04	7.95E-02	4.37E-02	4.13E-01	3.83E-01	1.22E+01	7.95E-01	2.23E-01	1.36E+01	3.72E-01	1.54E-04	7.95E-02	4.37E-02	4.95E-01
3467	482363.09	3849377.25	2.43E-01	1.98E-04	7.65E-02	4.29E-02	3.63E-01	3.21E-01	1.90E+01	7.65E-01	2.19E-01	2.03E+01	3.12E-01	2.40E-04	7.65E-02	4.29E-02	4.31E-01
3468	482863.09	3849377.25	2.42E-01	2.27E-04	8.24E-02	3.98E-02	3.64E-01	3.19E-01	2.18E+01	8.24E-01	2.03E-01	2.31E+01	3.10E-01	2.75E-04	8.24E-02	3.98E-02	4.32E-01
3469	483363.09	3849377.25	3.07E-01	1.87E-04	9.21E-02	3.72E-02	4.37E-01	4.06E-01	1.80E+01	9.21E-01	1.90E-01	1.95E+01	3.94E-01	2.27E-04	9.21E-02	3.72E-02	5.23E-01
3470	483863.09	3849377.25	2.57E-01	1.80E-04	1.04E-01	3.57E-02	3.97E-01	3.40E-01	1.72E+01	1.04E+00	1.82E-01	1.88E+01	3.30E-01	2.18E-04	1.04E-01	3.57E-02	4.70E-01
3471	484363.09	3849377.25	3.88E-01	1.72E-04	1.38E-01	3.43E-02	5.61E-01	5.13E-01	1.65E+01	1.38E+00	1.75E-01	1.86E+01	4.98E-01	2.08E-04	1.38E-01	3.43E-02	6.70E-01
3472	484863.09	3849377.25	3.94E-01	1.43E-04	1.67E-01	3.47E-02	5.96E-01	5.20E-01	1.37E+01	1.67E+00	1.77E-01	1.61E+01	5.05E-01	1.73E-04	1.67E-01	3.47E-02	7.07E-01
3473	485363.09	3849377.25	3.88E-01	2.36E-04	2.09E-01	2.69E-02	6.25E-01	5.13E-01	2.26E+01	2.09E+00	1.38E-01	2.54E+01	4.98E-01	2.86E-04	2.09E-01	2.69E-02	7.34E-01

3474	485863.09	3849377.25	2.68E-01	2.33E-04	1.57E-01	2.68E-02	4.52E-01	3.55E-01	2.23E+01	1.57E+00	1.37E-01	2.44E+01	3.44E-01	2.82E-04	1.57E-01	2.68E-02	5.28E-01
3475	486363.09	3849377.25	1.63E-01	2.14E-04	1.06E-01	2.55E-02	2.95E-01	2.15E-01	2.05E+01	1.06E+00	1.30E-01	2.19E+01	2.09E-01	2.59E-04	1.06E-01	2.55E-02	3.41E-01
3476	486863.09	3849377.25	1.68E-01	2.89E-04	1.06E-01	2.71E-02	3.01E-01	2.22E-01	2.77E+01	1.06E+00	1.39E-01	2.91E+01	2.16E-01	3.50E-04	1.06E-01	2.71E-02	3.49E-01
3477	487363.09	3849377.25	1.79E-01	2.16E-04	1.22E-01	2.62E-02	3.28E-01	2.37E-01	2.07E+01	1.22E+00	1.34E-01	2.23E+01	2.30E-01	2.62E-04	1.22E-01	2.62E-02	3.79E-01
3478	487863.09	3849377.25	1.79E-01	1.19E-04	1.42E-01	2.67E-02	3.48E-01	2.36E-01	1.15E+01	1.42E+00	1.37E-01	1.32E+01	2.29E-01	1.45E-04	1.42E-01	2.67E-02	3.98E-01
3479	488363.09	3849377.25	1.77E-01	1.09E-04	2.09E-01	3.23E-02	4.19E-01	2.34E-01	1.05E+01	2.09E+00	1.65E-01	1.30E+01	2.27E-01	1.32E-04	2.09E-01	3.23E-02	4.69E-01
3480	488863.09	3849377.25	1.70E-01	1.28E-04	2.29E-01	3.53E-02	4.34E-01	2.24E-01	1.23E+01	2.29E+00	1.80E-01	1.50E+01	2.17E-01	1.55E-04	2.29E-01	3.53E-02	4.82E-01
3481	489363.09	3849377.25	2.03E-01	1.55E-04	1.44E-01	3.00E-02	3.77E-01	2.69E-01	1.49E+01	1.44E+00	1.53E-01	1.67E+01	2.61E-01	1.88E-04	1.44E-01	3.00E-02	4.34E-01
3482	489863.09	3849377.25	2.64E-01	1.62E-04	2.04E-01	2.51E-02	4.93E-01	3.48E-01	1.55E+01	2.04E+00	1.28E-01	1.80E+01	3.38E-01	1.96E-04	2.04E-01	2.51E-02	5.67E-01
3483	490363.09	3849377.25	2.71E-01	1.45E-04	1.54E-01	2.05E-02	4.46E-01	3.58E-01	1.39E+01	1.54E+00	1.05E-01	1.59E+01	3.48E-01	1.76E-04	1.54E-01	2.05E-02	5.22E-01
3484	490863.09	3849377.25	2.71E-01	1.16E-04	1.55E-01	2.30E-02	4.49E-01	3.58E-01	1.11E+01	1.55E+00	1.17E-01	1.32E+01	3.47E-01	1.41E-04	1.55E-01	2.30E-02	5.25E-01
3485	491363.09	3849377.25	2.70E-01	9.10E-05	1.76E-01	2.35E-02	4.70E-01	3.57E-01	8.73E+00	1.76E+00	1.20E-01	1.10E+01	3.46E-01	1.10E-04	1.76E-01	2.35E-02	5.46E-01
3486	491863.09	3849377.25	2.68E-01	6.93E-05	9.09E-02	2.05E-02	3.80E-01	3.54E-01	6.64E+00	9.09E-01	1.05E-01	8.01E+00	3.44E-01	8.39E-05	9.09E-02	2.05E-02	4.55E-01
3487	492363.09	3849377.25	2.48E-01	5.95E-05	1.05E-01	2.09E-02	3.74E-01	3.28E-01	5.70E+00	1.05E+00	1.07E-01	7.18E+00	3.18E-01	7.20E-05	1.05E-01	2.09E-02	4.44E-01
3488	492863.09	3849377.25	1.69E-01	8.06E-05	1.24E-01	2.31E-02	3.16E-01	2.23E-01	7.73E+00	1.24E+00	1.18E-01	9.31E+00	2.16E-01	9.76E-05	1.24E-01	2.31E-02	3.63E-01
3489	493363.09	3849377.25	1.17E-01	1.29E-04	1.19E-01	1.87E-02	2.55E-01	1.54E-01	1.24E+01	1.19E+00	9.57E-02	1.38E+01	1.50E-01	1.56E-04	1.19E-01	1.87E-02	2.88E-01
3490	493863.09	3849377.25	1.18E-01	1.72E-04	9.63E-02	1.95E-02	2.34E-01	1.56E-01	1.65E+01	9.63E-01	9.95E-02	1.77E+01	1.51E-01	2.08E-04	9.63E-02	1.95E-02	2.67E-01
3491	494363.09	3849377.25	1.18E-01	1.78E-04	1.18E-01	1.86E-02	2.55E-01	1.55E-01	1.71E+01	1.18E+00	9.51E-02	1.85E+01	1.51E-01	2.16E-04	1.18E-01	1.86E-02	2.88E-01
3492	494863.09	3849377.25	1.17E-01	1.58E-04	1.63E-01	1.69E-02	2.98E-01	1.55E-01	1.51E+01	1.63E+00	8.62E-02	1.70E+01	1.51E-01	1.91E-04	1.63E-01	1.69E-02	3.31E-01
3493	495363.09	3849377.25	1.17E-01	1.68E-04	1.40E-01	2.08E-02	2.79E-01	1.55E-01	1.61E+01	1.40E+00	1.06E-01	1.78E+01	1.50E-01	2.03E-04	1.40E-01	2.08E-02	3.12E-01
3494	495863.09	3849377.25	1.17E-01	2.16E-04	7.72E-02	1.74E-02	2.11E-01	1.54E-01	2.07E+01	7.72E-01	8.88E-02	2.17E+01	1.49E-01	2.61E-04	7.72E-02	1.74E-02	2.44E-01
3495	496363.09	3849377.25	1.11E-01	2.27E-04	8.43E-02	1.75E-02	2.13E-01	1.47E-01	2.17E+01	8.43E-01	8.96E-02	2.28E+01	1.42E-01	2.74E-04	8.43E-02	1.75E-02	2.44E-01
3496	496863.09	3849377.25	1.09E-01	1.75E-04	9.17E-02	2.06E-02	2.21E-01	1.44E-01	1.68E+01	9.17E-01	1.05E-01	1.79E+01	1.40E-01	2.12E-04	9.17E-02	2.06E-02	2.52E-01
3497	497363.09	3849377.25	1.61E-01	1.05E-04	1.04E-01	1.73E-02	2.82E-01	2.13E-01	1.01E+01	1.04E+00	8.83E-02	1.14E+01	2.07E-01	1.27E-04	1.04E-01	1.73E-02	3.28E-01
3498	497863.09	3849377.25	2.01E-01	9.06E-05	1.25E-01	2.41E-02	3.50E-01	2.66E-01	8.69E+00	1.25E+00	1.23E-01	1.03E+01	2.58E-01	1.10E-04	1.25E-01	2.41E-02	4.07E-01
3499	498363.09	3849377.25	2.20E-01	1.06E-04	1.18E-01	2.31E-02	3.62E-01	2.90E-01	1.01E+01	1.18E+00	1.18E-01	1.17E+01	2.82E-01	1.28E-04	1.18E-01	2.31E-02	4.24E-01
3500	471363.09	3849877.25	6.50E-01	3.08E-04	1.06E-01	2.38E-02	7.80E-01	8.58E-01	2.96E+01	1.06E+00	1.22E-01	3.16E+01	8.33E-01	3.73E-04	1.06E-01	2.38E-02	9.63E-01
3501	471863.09	3849877.25	6.17E-01	5.02E-04	7.31E-02	2.33E-02	7.14E-01	8.15E-01	4.82E+01	7.31E-01	1.19E-01	4.98E+01	7.91E-01	6.08E-04	7.31E-02	2.33E-02	8.88E-01
3502	472363.09	3849877.25	7.00E-01	6.97E-04	6.29E-02	2.63E-02	7.89E-01	9.24E-01	6.68E+01	6.29E-01	1.34E-01	6.85E+01	8.97E-01	8.44E-04	6.29E-02	2.63E-02	9.87E-01
3503	472863.09	3849877.25	6.60E-01	7.68E-04	6.26E-02	2.81E-02	7.51E-01	8.72E-01	7.36E+01	6.26E-01	1.44E-01	7.53E+01	8.46E-01	9.30E-04	6.26E-02	2.81E-02	9.38E-01
3504	473363.09	3849877.25	6.24E-01	7.47E-04	6.07E-02	2.69E-02	7.12E-01	8.24E-01	7.16E+01	6.07E-01	1.38E-01	7.32E+01	7.99E-01	9.05E-04	6.07E-02	2.69E-02	8.88E-01
3505	473863.09	3849877.25	8.56E-01	7.70E-04	7.77E-02	2.85E-02	9.63E-01	1.13E+00	7.39E+01	7.77E-01	1.46E-01	7.59E+01	1.10E+00	9.33E-04	7.77E-02	2.85E-02	1.20E+00
3506	474363.09	3849877.25	8.64E-01	7.53E-04	9.04E-02	3.67E-02	9.92E-01	1.14E+00	7.22E+01	9.04E-01	1.88E-01	7.44E+01	1.11E+00	9.12E-04	9.04E-02	3.67E-02	1.24E+00
3507	474863.09	3849877.25	9.41E-01	7.35E-04	8.92E-02	4.63E-02	1.08E+00	1.24E+00	7.05E+01	8.92E-01	2.36E-01	7.28E+01	1.21E+00	8.90E-04	8.92E-02	4.63E-02	1.34E+00
3508	475363.09	3849877.25	9.57E-01	7.71E-04	7.86E-02	5.55E-02	1.09E+00	1.26E+00	7.40E+01	7.86E-01	2.83E-01	7.63E+01	1.23E+00	9.34E-04	7.86E-02	5.55E-02	1.36E+00
3509	475863.09	3849877.25	1.08E+00	8.45E-04	7.88E-02	6.24E-02	1.22E+00	1.43E+00	8.11E+01	7.88E-01	3.19E-01	8.36E+01	1.38E+00	1.02E-03	7.88E-02	6.24E-02	1.53E+00
3510	476363.09	3849877.25	1.09E+00	1.13E-03	9.84E-02	6.50E-02	1.25E+00	1.44E+00	1.09E+02	9.84E-01	3.32E-01	1.12E+02	1.40E+00	1.37E-03	9.84E-02	6.50E-02	1.56E+00
3511	476863.09	3849877.25	1.09E+00	1.10E-03	1.22E-01	6.18E-02	1.27E+00	1.44E+00	1.06E+02	1.22E+00	3.16E-01	1.09E+02	1.40E+00	1.34E-03	1.22E-01	6.18E-02	1.58E+00
3512	477363.09	3849877.25	1.03E+00	9.86E-04	1.43E-01	5.31E-02	1.23E+00	1.36E+00	9.46E+01	1.43E+00	2.71E-01	9.77E+01	1.32E+00	1.20E-03	1.43E-01	5.31E-02	1.52E+00
3513	477863.09	3849877.25	1.15E+00	9.14E-04	1.56E-01	4.08E-02	1.35E+00	1.52E+00	8.76E+01	1.56E+00	2.09E-01	9.09E+01	1.47E+00	1.11E-03	1.56E-01	4.08E-02	1.67E+00
3514	478363.09	3849877.25	1.65E+00	8.99E-04	1.58E-01	5.88E-02	1.86E+00	2.17E+00	8.62E+01	1.58E+00	3.01E-01	9.02E+01	2.11E+00	1.09E-03	1.58E-01	5.88E-02	2.33E+00
3515	478863.09	3849877.25	1.50E+00	7.10E-04	1.46E-01	9.37E-02	1.74E+00	1.98E+00	6.81E+01	1.46E+00	4.78E-01	7.20E+01	1.92E+00	8.60E-04	1.46E-01	9.37E-02	2.16E+00
3516	479363.09	3849877.25	1.74E+00	4.85E-04	1.23E-01	1.11E-01	1.98E+00	2.30E+00	4.65E+01	1.23E+00	5.66E-01	5.06E+01	2.24E+00	5.88E-04	1.23E-01	1.11E-01	2.47E+00
3517	479863.09	3849877.25	1.74E+00	4.95E-04	9.34E-02	9.99E-02	1.93E+00	2.29E+00	4.75E+01	9.34E-01	5.10E-01	5.12E+01	2.23E+00	6.00E-04	9.34E-02	9.99E-02	2.42E+00
3518	480363.09	3849877.25	1.56E+00	5.10E-04	1.16E-01	1.51E-01	1.82E+00	2.05E+00	4.89E+01	1.16E+00	7.73E-01	5.29E+01	1.99E+00	6.18E-04	1.16E-01	1.51E-01	2.26E+00
3519	480863.09	3849877.25	1.02E+00	4.96E-04	3.97E-01	7.88E-02	1.50E+00	1.35E+00	4.76E+01	3.97E+00	4.03E-01	5.33E+01	1.31E+00	6.01E-04	3.97E-01	7.88E-02	1.79E+00
3520	481363.09	3849877.25	8.56E-01	3.90E-04	4.86E-01	4.56E-02	1.39E+00	1.13E+00	3.74E+01	4.86E+00	2.33E-01	4.36E+01	1.10E+00	4.72E-04	4.86E-01	4.56E-02	1.63E+00
3521	481863.09	3849877.25	5.73E-01	1.41E-04	8.22E-02	4.47E-02	7.00E-01	7.57E-01	1.35E+01	8.22E-01	2.28E-01	1.53E+01	7.35E-01	1.70E-04	8.22E-02	4.47E-02	8.62E-01
3522	482363.09	3849877.25	2.30E-01	1.84E-04	8.45E-02	4.48E-02	3.60E-01	3.04E-01	1.76E+01	8.45E-01	2.29E-01	1.90E+01	2.95E-01	2.23E-04	8.45E-02	4.48E-02	4.24E-01
3523	482863.09	3849877.25	1.89E-01	2.30E-04	7.65E-02	4.14E-02	3.07E-01	2.49E-01	2.20E+01	7.65E-01	2.11E-01	2.33E+01	2.42E-01	2.79E-04	7.65E-02	4.14E-02	3.60E-01
3524	483363.09	3849877.25	3.05E-01	1.95E-04	9.19E-02	3.81E-02	4.35E-01	4.03E-01	1.87E+01	9.19E-01	1.95E-01	2.02E+01	3.91E-01	2.36E-04	9.19E-02	3.81E-02	5.21E-01
3525	483863.09	3849877.25	2.89E-01	1.78E-04	9.75E-02	3.65E-02	4.23E-01	3.81E-01	1.71E+01	9.75E-01	1.87E-01	1.87E+01	3.70E-01	2.16E-04	9.75E-02	3.65E-02	5.04E-01
3526	484363.09	3849877.25	3.84E-01	1.77E-04	1.31E-01	3.57E-02	5.51E-01	5.08E-01	1.70E+01	1.31E+00	1.83E-01	1.90E+01	4.93E-01	2.14E-04	1.31E-01	3.57E-02	6.60E-01
3527	484863.09	3849877.25	3.94E-01	1.58E-04	2.13E-01	3.58E-02	6.43E-01	5.20E-01	1.51E+01	2.13E+00	1.83E-01	1.80E+01	5.05E-01	1.91E-04	2.13E-01	3.58E-02	7.54E-01
3528	485363.09	3849877.25	3.91E-01	2.27E-04	2.14E-01	3.02E-02	6.35E-01	5.16E-01	2.18E+01	2.14E+00	1.54E-01	2.46E+01	5.01E-01	2.75E-04	2.14E-01	3.02E-02	7.46E-01
3529	485863.09	3849877.25	3.02E-01	2.39E-04	1.70E-01	2.64E-02	4.99E-01	3.99E-01	2.30E+01	1.70E+00	1.35E-01	2.52E+01	3.88E-01	2.90E-04	1.70E-01	2.64E-02	5.84E-01
3530	486363.09	3849877.25	1.66E-01	2.07E-04	1.36E-01	2.57E-02	3.28E-01	2.19E-01	1.98E+01	1.36E+00	1.31E-01	2.15E+01	2.12E-01	2.50E-04	1.36E-01	2.57E-02	3.75E-01
3531	486863.09	3849877.25	1.77E-01	2.86E-04	1.11E-01	2.79E-02	3.17E-01	2.34E-01	2.74E+01	1.11E+00	1.42E-01	2.89E+01	2.27E-01	3.47E-04	1.11E-01	2.79E-02	3.67E-01
3532	487363.09	3849877.25	1.80E-01	2.37E-04	1.26E-01	3.26E-02	3.39E-01	2.38E-01	2.27E+01	1.26E+00	1.67E-01	2.43E+01	2.31E-01	2.87E-04	1.26E-01	3.26E-02	3.90E-01
3533	487863.09	3849877.25	1.79E-01	1.20E-04	1.49E-01	3.55E-02	3.63E-01	2.37E-01	1.16E+01	1.49E+00	1.81E-01	1.35E+01	2.30E-01	1.46E-04	1.49E-01	3.55E-02	4.14E-01
3534	488363.09	3849877.25	1.76E-01	1.21E-04	2.17E-01	3.25E-02	4.25E-01	2.32E-01	1.16E+01	2.17E+00	1.66E-01	1.41E+01	2.26E-01	1.46E-04	2.17E-01	3.25E-02	4.75E-01

3535	488863.09	3849877.25	1.92E-01	1.51E-04	2.29E-01	3.56E-02	4.57E-01	2.53E-01	1.45E+01	2.29E+00	1.82E-01	1.72E+01	2.46E-01	1.83E-04	2.29E-01	3.56E-02	5.11E-01
3536	489363.09	3849877.25	2.60E-01	1.63E-04	1.61E-01	2.96E-02	4.51E-01	3.44E-01	1.57E+01	1.61E+00	1.51E-01	1.78E+01	3.34E-01	1.98E-04	1.61E-01	2.96E-02	5.25E-01
3537	489863.09	3849877.25	2.71E-01	1.51E-04	2.11E-01	2.70E-02	5.09E-01	3.58E-01	1.45E+01	2.11E+00	1.38E-01	1.71E+01	3.48E-01	1.83E-04	2.11E-01	2.70E-02	5.85E-01
3538	490363.09	3849877.25	2.71E-01	1.22E-04	1.75E-01	2.17E-02	4.68E-01	3.58E-01	1.17E+01	1.75E+00	1.11E-01	1.40E+01	3.47E-01	1.48E-04	1.75E-01	2.17E-02	5.44E-01
3539	490863.09	3849877.25	2.70E-01	9.59E-05	1.66E-01	2.40E-02	4.60E-01	3.57E-01	9.20E+00	1.66E+00	1.23E-01	1.13E+01	3.47E-01	1.16E-04	1.66E-01	2.40E-02	5.36E-01
3540	491363.09	3849877.25	2.69E-01	7.35E-05	1.90E-01	2.37E-02	4.83E-01	3.56E-01	7.05E+00	1.90E+00	1.21E-01	9.43E+00	3.45E-01	8.91E-05	1.90E-01	2.37E-02	5.59E-01
3541	491863.09	3849877.25	2.58E-01	6.39E-05	9.38E-02	2.19E-02	3.74E-01	3.41E-01	6.13E+00	9.38E-01	1.12E-01	7.52E+00	3.31E-01	7.74E-05	9.38E-02	2.19E-02	4.47E-01
3542	492363.09	3849877.25	1.94E-01	7.15E-05	1.23E-01	2.40E-02	3.42E-01	2.56E-01	6.85E+00	1.23E+00	1.23E-01	8.47E+00	2.49E-01	8.66E-05	1.23E-01	2.40E-02	3.96E-01
3543	492863.09	3849877.25	1.18E-01	1.17E-04	1.30E-01	2.43E-02	2.72E-01	1.55E-01	1.12E+01	1.30E+00	1.24E-01	1.28E+01	1.51E-01	1.42E-04	1.30E-01	2.43E-02	3.06E-01
3544	493363.09	3849877.25	1.18E-01	1.66E-04	1.12E-01	1.98E-02	2.50E-01	1.56E-01	1.59E+01	1.12E+00	1.01E-01	1.73E+01	1.51E-01	2.01E-04	1.12E-01	1.98E-02	2.83E-01
3545	493863.09	3849877.25	1.18E-01	1.82E-04	1.13E-01	1.98E-02	2.50E-01	1.55E-01	1.75E+01	1.13E+00	1.01E-01	1.89E+01	1.51E-01	2.21E-04	1.13E-01	1.98E-02	2.83E-01
3546	494363.09	3849877.25	1.17E-01	1.61E-04	1.71E-01	1.84E-02	3.07E-01	1.55E-01	1.55E+01	1.71E+00	9.38E-02	1.74E+01	1.50E-01	1.96E-04	1.71E-01	1.84E-02	3.40E-01
3547	494863.09	3849877.25	1.17E-01	1.58E-04	1.52E-01	2.06E-02	2.90E-01	1.55E-01	1.52E+01	1.52E+00	1.05E-01	1.69E+01	1.50E-01	1.92E-04	1.52E-01	2.06E-02	3.23E-01
3548	495363.09	3849877.25	1.16E-01	2.07E-04	1.10E-01	1.87E-02	2.45E-01	1.53E-01	1.98E+01	1.10E+00	9.53E-02	2.12E+01	1.49E-01	2.50E-04	1.10E-01	1.87E-02	2.78E-01
3549	495863.09	3849877.25	1.11E-01	2.34E-04	1.26E-01	2.38E-02	2.62E-01	1.47E-01	2.24E+01	1.26E+00	1.22E-01	2.39E+01	1.42E-01	2.83E-04	1.26E-01	2.38E-02	2.93E-01
3550	496363.09	3849877.25	1.71E-01	1.91E-04	1.13E-01	2.19E-02	3.07E-01	2.26E-01	1.83E+01	1.13E+00	1.12E-01	1.98E+01	2.20E-01	2.31E-04	1.13E-01	2.19E-02	3.55E-01
3551	496863.09	3849877.25	2.08E-01	1.19E-04	1.07E-01	1.88E-02	3.34E-01	2.75E-01	1.14E+01	1.07E+00	9.60E-02	1.29E+01	2.67E-01	1.44E-04	1.07E-01	1.88E-02	3.93E-01
3552	497363.09	3849877.25	2.23E-01	1.08E-04	1.31E-01	2.43E-02	3.78E-01	2.94E-01	1.04E+01	1.31E+00	1.24E-01	1.21E+01	2.86E-01	1.31E-04	1.31E-01	2.43E-02	4.41E-01
3553	497863.09	3849877.25	2.27E-01	1.24E-04	1.21E-01	2.20E-02	3.69E-01	2.99E-01	1.19E+01	1.21E+00	1.13E-01	1.35E+01	2.91E-01	1.50E-04	1.21E-01	2.20E-02	4.33E-01
3554	498363.09	3849877.25	2.27E-01	1.35E-04	1.31E-01	1.92E-02	3.78E-01	3.00E-01	1.29E+01	1.31E+00	9.79E-02	1.47E+01	2.91E-01	1.63E-04	1.31E-01	1.92E-02	4.42E-01
3555	471363.09	3850377.25	3.53E-01	1.06E-04	1.53E-01	2.44E-02	5.31E-01	4.66E-01	1.01E+01	1.53E+00	1.25E-01	1.22E+01	4.52E-01	1.28E-04	1.53E-01	2.44E-02	6.30E-01
3556	471863.09	3850377.25	6.20E-01	2.31E-04	1.60E-01	2.64E-02	8.06E-01	8.18E-01	2.22E+01	1.60E+00	1.35E-01	2.47E+01	7.94E-01	2.80E-04	1.60E-01	2.64E-02	9.81E-01
3557	472363.09	3850377.25	7.34E-01	3.79E-04	1.23E-01	2.49E-02	8.82E-01	9.70E-01	3.63E+01	1.23E+00	1.27E-01	3.87E+01	9.41E-01	4.59E-04	1.23E-01	2.49E-02	1.09E+00
3558	472863.09	3850377.25	7.16E-01	6.20E-04	8.61E-02	2.43E-02	8.27E-01	9.46E-01	5.94E+01	8.61E-01	1.24E-01	6.13E+01	9.18E-01	7.51E-04	8.61E-02	2.43E-02	1.03E+00
3559	473363.09	3850377.25	7.46E-01	7.55E-04	6.61E-02	2.71E-02	8.40E-01	9.85E-01	7.24E+01	6.61E-01	1.38E-01	7.42E+01	9.56E-01	9.15E-04	6.61E-02	2.71E-02	1.05E+00
3560	473863.09	3850377.25	7.36E-01	7.79E-04	6.57E-02	2.81E-02	8.30E-01	9.72E-01	7.47E+01	6.57E-01	1.44E-01	7.65E+01	9.43E-01	9.43E-04	6.57E-02	2.81E-02	1.04E+00
3561	474363.09	3850377.25	6.96E-01	8.24E-04	6.49E-02	2.86E-02	7.90E-01	9.19E-01	7.90E+01	6.49E-01	1.46E-01	8.07E+01	8.92E-01	9.98E-04	6.49E-02	2.86E-02	9.87E-01
3562	474863.09	3850377.25	9.23E-01	7.60E-04	8.49E-02	3.48E-02	1.04E+00	1.22E+00	7.29E+01	8.49E-01	1.78E-01	7.51E+01	1.18E+00	9.21E-04	8.49E-02	3.48E-02	1.30E+00
3563	475363.09	3850377.25	8.92E-01	8.48E-04	9.44E-02	4.50E-02	1.03E+00	1.18E+00	8.14E+01	9.44E-01	2.30E-01	8.37E+01	1.14E+00	1.03E-03	9.44E-02	4.50E-02	1.28E+00
3564	475863.09	3850377.25	1.01E+00	8.34E-04	8.71E-02	5.55E-02	1.16E+00	1.34E+00	8.00E+01	8.71E-01	2.83E-01	8.25E+01	1.30E+00	1.01E-03	8.71E-02	5.55E-02	1.44E+00
3565	476363.09	3850377.25	1.06E+00	8.07E-04	8.35E-02	6.42E-02	1.21E+00	1.40E+00	7.74E+01	8.35E-01	3.28E-01	8.00E+01	1.36E+00	9.78E-04	8.35E-02	6.42E-02	1.51E+00
3566	476863.09	3850377.25	1.14E+00	1.16E-03	9.42E-02	6.85E-02	1.31E+00	1.51E+00	1.11E+02	9.42E-01	3.50E-01	1.14E+02	1.47E+00	1.41E-03	9.42E-02	6.85E-02	1.63E+00
3567	477363.09	3850377.25	1.01E+00	1.24E-03	1.20E-01	6.64E-02	1.20E+00	1.33E+00	1.19E+02	1.20E+00	3.39E-01	1.22E+02	1.29E+00	1.50E-03	1.20E-01	6.64E-02	1.48E+00
3568	477863.09	3850377.25	1.04E+00	1.05E-03	1.44E-01	5.76E-02	1.25E+00	1.38E+00	1.01E+02	1.44E+00	2.94E-01	1.04E+02	1.34E+00	1.28E-03	1.44E-01	5.76E-02	1.54E+00
3569	478363.09	3850377.25	1.23E+00	9.95E-04	1.62E-01	4.43E-02	1.44E+00	1.63E+00	9.55E+01	1.62E+00	2.26E-01	9.89E+01	1.58E+00	1.21E-03	1.62E-01	4.43E-02	1.79E+00
3570	478863.09	3850377.25	1.55E+00	1.01E-03	1.67E-01	4.49E-02	1.76E+00	2.05E+00	9.72E+01	1.67E+00	2.29E-01	1.01E+02	1.99E+00	1.23E-03	1.67E-01	4.49E-02	2.20E+00
3571	479363.09	3850377.25	1.49E+00	8.27E-04	1.57E-01	6.76E-02	1.72E+00	1.97E+00	7.93E+01	1.57E+00	3.45E-01	8.32E+01	1.92E+00	1.00E-03	1.57E-01	6.76E-02	2.14E+00
3572	479863.09	3850377.25	1.88E+00	5.35E-04	1.33E-01	9.13E-02	2.11E+00	2.49E+00	5.13E+01	1.33E+00	4.66E-01	5.56E+01	2.41E+00	6.48E-04	1.33E-01	9.13E-02	2.64E+00
3573	480363.09	3850377.25	1.93E+00	4.94E-04	1.01E-01	1.05E-01	2.13E+00	2.54E+00	4.74E+01	1.01E+00	5.37E-01	5.15E+01	2.47E+00	5.99E-04	1.01E-01	1.05E-01	2.68E+00
3574	480863.09	3850377.25	1.84E+00	5.23E-04	1.16E-01	1.24E-01	2.09E+00	2.44E+00	5.01E+01	1.16E+00	6.33E-01	5.44E+01	2.37E+00	6.33E-04	1.16E-01	1.24E-01	2.61E+00
3575	481363.09	3850377.25	1.10E+00	4.79E-04	4.59E-01	5.27E-02	1.61E+00	1.45E+00	4.59E+01	4.59E+00	2.69E-01	5.22E+01	1.41E+00	5.80E-04	4.59E-01	5.27E-02	1.92E+00
3576	481863.09	3850377.25	8.53E-01	3.48E-04	6.22E-01	5.39E-02	1.53E+00	1.13E+00	3.34E+01	6.22E+00	2.75E-01	4.10E+01	1.09E+00	4.22E-04	6.22E-01	5.39E-02	1.77E+00
3577	482363.09	3850377.25	6.57E-01	1.66E-04	1.98E-01	7.54E-02	9.30E-01	8.67E-01	1.59E+01	1.98E+00	3.85E-01	1.92E+01	8.42E-01	2.01E-04	1.98E-01	7.54E-02	1.12E+00
3578	482863.09	3850377.25	2.99E-01	2.32E-04	8.74E-02	4.36E-02	4.30E-01	3.95E-01	2.23E+01	8.74E-01	2.23E-01	2.38E+01	3.83E-01	2.81E-04	8.74E-02	4.36E-02	5.14E-01
3579	483363.09	3850377.25	2.88E-01	2.02E-04	8.77E-02	3.93E-02	4.15E-01	3.81E-01	1.94E+01	8.77E-01	2.01E-01	2.08E+01	3.69E-01	2.45E-04	8.77E-02	3.93E-02	4.97E-01
3580	483863.09	3850377.25	4.48E-01	1.74E-04	1.01E-01	3.74E-02	5.86E-01	5.92E-01	1.66E+01	1.01E+00	1.91E-01	1.84E+01	5.75E-01	2.10E-04	1.01E-01	3.74E-02	7.13E-01
3581	484363.09	3850377.25	4.59E-01	1.80E-04	1.21E-01	3.69E-02	6.17E-01	6.06E-01	1.73E+01	1.21E+00	1.88E-01	1.93E+01	5.88E-01	2.19E-04	1.21E-01	3.69E-02	7.46E-01
3582	484863.09	3850377.25	3.94E-01	1.68E-04	2.00E-01	3.58E-02	6.30E-01	5.21E-01	1.61E+01	2.00E+00	1.83E-01	1.88E+01	5.05E-01	2.04E-04	2.00E-01	3.58E-02	7.41E-01
3583	485363.09	3850377.25	3.92E-01	2.15E-04	2.48E-01	3.40E-02	6.74E-01	5.18E-01	2.06E+01	2.48E+00	1.74E-01	2.38E+01	5.03E-01	2.61E-04	2.48E-01	3.40E-02	7.85E-01
3584	485863.09	3850377.25	3.32E-01	2.46E-04	2.33E-01	4.13E-02	6.07E-01	4.39E-01	2.36E+01	2.33E+00	2.11E-01	2.66E+01	4.26E-01	2.98E-04	2.33E-01	4.13E-02	7.01E-01
3585	486363.09	3850377.25	2.58E-01	2.02E-04	2.57E-01	3.74E-02	5.52E-01	3.41E-01	1.94E+01	2.57E+00	1.91E-01	2.25E+01	3.31E-01	2.45E-04	2.57E-01	3.74E-02	6.25E-01
3586	486863.09	3850377.25	2.56E-01	2.80E-04	2.24E-01	3.05E-02	5.11E-01	3.38E-01	2.68E+01	2.24E+00	1.56E-01	2.95E+01	3.28E-01	3.39E-04	2.24E-01	3.05E-02	5.83E-01
3587	487363.09	3850377.25	1.80E-01	2.56E-04	1.30E-01	3.65E-02	3.47E-01	2.38E-01	2.45E+01	1.30E+00	1.86E-01	2.63E+01	2.31E-01	3.10E-04	1.30E-01	3.65E-02	3.98E-01
3588	487863.09	3850377.25	1.79E-01	1.22E-04	1.56E-01	3.58E-02	3.71E-01	2.37E-01	1.17E+01	1.56E+00	1.83E-01	1.36E+01	2.30E-01	1.47E-04	1.56E-01	3.58E-02	4.22E-01
3589	488363.09	3850377.25	1.77E-01	1.46E-04	2.24E-01	3.26E-02	4.34E-01	2.33E-01	1.40E+01	2.24E+00	1.66E-01	1.67E+01	2.26E-01	1.77E-04	2.24E-01	3.26E-02	4.83E-01
3590	488863.09	3850377.25	2.55E-01	1.64E-04	2.28E-01	3.59E-02	5.19E-01	3.37E-01	1.57E+01	2.28E+00	1.83E-01	1.85E+01	3.27E-01	1.99E-04	2.28E-01	3.59E-02	5.91E-01
3591	489363.09	3850377.25	2.71E-01	1.57E-04	1.83E-01	2.90E-02	4.83E-01	3.58E-01	1.50E+01	1.83E+00	1.48E-01	1.74E+01	3.48E-01	1.90E-04	1.83E-01	2.90E-02	5.60E-01
3592	489863.09	3850377.25	2.71E-01	1.29E-04	2.11E-01	2.88E-02	5.11E-01	3.58E-01	1.24E+01	2.11E+00	1.47E-01	1.50E+01	3.48E-01	1.56E-04	2.11E-01	2.88E-02	5.87E-01
3593	490363.09	3850377.25	2.71E-01	1.01E-04	1.91E-01	2.67E-02	4.89E-01	3.57E-01	9.68E+00	1.91E+00	1.36E-01	1.21E+01	3.47E-01	1.22E-04	1.91E-01	2.67E-02	5.65E-01
3594	490863.09	3850377.25	2.70E-01	8.20E-05	1.83E-01	2.53E-02	4.78E-01	3.56E-01	7.86E+00	1.83E+00	1.29E-01	1.02E+01	3.46E-01	9.94E-05	1.83E-01	2.53E-02	5.54E-01
3595	491363.09	3850377.25	2.65E-01	6.77E-05	1.91E-01	2.40E-02	4.80E-01	3.50E-01	6.49E+00	1.91E+00	1.23E-01	8.87E+00	3.39E-01	8.20E-05	1.91E-01	2.40E-02	5.54E-01

3596	491863.09	3850377.25	2.18E-01	6.70E-05	1.27E-01	2.48E-02	3.70E-01	2.88E-01	6.43E+00	1.27E+00	1.27E-01	8.11E+00	2.80E-01	8.12E-05	1.27E-01	2.48E-02	4.31E-01
3597	492363.09	3850377.25	1.18E-01	1.05E-04	1.38E-01	2.46E-02	2.80E-01	1.56E-01	1.01E+01	1.38E+00	1.26E-01	1.17E+01	1.51E-01	1.27E-04	1.38E-01	2.46E-02	3.14E-01
3598	492863.09	3850377.25	1.18E-01	1.58E-04	1.28E-01	2.23E-02	2.68E-01	1.56E-01	1.52E+01	1.28E+00	1.14E-01	1.67E+01	1.51E-01	1.92E-04	1.28E-01	2.23E-02	3.01E-01
3599	493363.09	3850377.25	1.18E-01	1.85E-04	1.39E-01	2.06E-02	2.77E-01	1.55E-01	1.77E+01	1.39E+00	1.05E-01	1.94E+01	1.51E-01	2.24E-04	1.39E-01	2.06E-02	3.10E-01
3600	493863.09	3850377.25	1.17E-01	1.67E-04	1.77E-01	1.95E-02	3.14E-01	1.55E-01	1.61E+01	1.77E+00	9.97E-02	1.81E+01	1.50E-01	2.03E-04	1.77E-01	1.95E-02	3.47E-01
3601	494363.09	3850377.25	1.17E-01	1.51E-04	1.67E-01	2.03E-02	3.04E-01	1.55E-01	1.45E+01	1.67E+00	1.04E-01	1.64E+01	1.50E-01	1.83E-04	1.67E-01	2.03E-02	3.37E-01
3602	494863.09	3850377.25	1.21E-01	1.94E-04	1.26E-01	2.31E-02	2.71E-01	1.60E-01	1.86E+01	1.26E+00	1.18E-01	2.01E+01	1.55E-01	2.35E-04	1.26E-01	2.31E-02	3.05E-01
3603	495363.09	3850377.25	1.82E-01	2.37E-04	1.27E-01	2.64E-02	3.35E-01	2.40E-01	2.28E+01	1.27E+00	1.35E-01	2.44E+01	2.33E-01	2.88E-04	1.27E-01	2.64E-02	3.87E-01
3604	495863.09	3850377.25	2.14E-01	2.07E-04	1.19E-01	2.69E-02	3.60E-01	2.83E-01	1.98E+01	1.19E+00	1.37E-01	2.14E+01	2.75E-01	2.51E-04	1.19E-01	2.69E-02	4.20E-01
3605	496363.09	3850377.25	2.25E-01	1.34E-04	1.25E-01	2.57E-02	3.76E-01	2.97E-01	1.29E+01	1.25E+00	1.31E-01	1.46E+01	2.89E-01	1.63E-04	1.25E-01	2.57E-02	4.39E-01
3606	496863.09	3850377.25	2.27E-01	1.26E-04	1.37E-01	2.31E-02	3.87E-01	3.00E-01	1.21E+01	1.37E+00	1.18E-01	1.39E+01	2.91E-01	1.53E-04	1.37E-01	2.31E-02	4.51E-01
3607	497363.09	3850377.25	2.27E-01	1.37E-04	1.27E-01	1.99E-02	3.75E-01	3.00E-01	1.31E+01	1.27E+00	1.01E-01	1.48E+01	2.91E-01	1.66E-04	1.27E-01	1.99E-02	4.39E-01
3608	497863.09	3850377.25	2.27E-01	1.41E-04	1.39E-01	1.68E-02	3.83E-01	3.00E-01	1.35E+01	1.39E+00	8.57E-02	1.53E+01	2.91E-01	1.71E-04	1.39E-01	1.68E-02	4.47E-01
3609	498363.09	3850377.25	2.27E-01	1.37E-04	1.39E-01	1.79E-02	3.84E-01	3.00E-01	1.31E+01	1.39E+00	9.14E-02	1.49E+01	2.91E-01	1.66E-04	1.39E-01	1.79E-02	4.48E-01
3610	471363.09	3850877.25	3.79E-01	1.43E-04	1.59E-01	3.47E-02	5.72E-01	5.00E-01	1.37E+01	1.59E+00	1.77E-01	1.59E+01	4.86E-01	1.73E-04	1.59E-01	3.47E-02	6.79E-01
3611	471863.09	3850877.25	4.46E-01	1.81E-04	2.00E-01	4.01E-02	6.86E-01	5.89E-01	1.74E+01	2.00E+00	2.05E-01	2.02E+01	5.72E-01	2.20E-04	2.00E-01	4.01E-02	8.12E-01
3612	472363.09	3850877.25	5.09E-01	2.55E-04	2.16E-01	4.10E-02	7.66E-01	6.72E-01	2.45E+01	2.16E+00	2.10E-01	2.75E+01	6.52E-01	3.09E-04	2.16E-01	4.10E-02	9.09E-01
3613	472863.09	3850877.25	6.93E-01	4.02E-04	1.95E-01	3.42E-02	9.22E-01	9.15E-01	3.85E+01	1.95E+00	1.75E-01	4.16E+01	8.88E-01	4.87E-04	1.95E-01	3.42E-02	1.12E+00
3614	473363.09	3850877.25	7.99E-01	4.50E-04	1.40E-01	2.61E-02	9.66E-01	1.06E+00	4.32E+01	1.40E+00	1.33E-01	4.58E+01	1.02E+00	5.46E-04	1.40E-01	2.61E-02	1.19E+00
3615	473863.09	3850877.25	8.19E-01	6.73E-04	9.30E-02	2.54E-02	9.39E-01	1.08E+00	6.45E+01	9.30E-01	1.30E-01	6.67E+01	1.05E+00	8.15E-04	9.30E-02	2.54E-02	1.17E+00
3616	474363.09	3850877.25	7.78E-01	8.70E-04	6.98E-02	2.80E-02	8.76E-01	1.03E+00	8.34E+01	6.98E-01	1.43E-01	8.53E+01	9.97E-01	1.05E-03	6.98E-02	2.80E-02	1.10E+00
3617	474863.09	3850877.25	7.95E-01	8.73E-04	6.91E-02	2.79E-02	8.93E-01	1.05E+00	8.37E+01	6.91E-01	1.43E-01	8.56E+01	1.02E+00	1.06E-03	6.91E-02	2.79E-02	1.12E+00
3618	475363.09	3850877.25	7.74E-01	9.05E-04	7.27E-02	3.26E-02	8.80E-01	1.02E+00	8.68E+01	7.27E-01	1.67E-01	8.87E+01	9.92E-01	1.10E-03	7.27E-02	3.26E-02	1.10E+00
3619	475863.09	3850877.25	9.79E-01	9.00E-04	9.19E-02	4.33E-02	1.11E+00	1.29E+00	8.63E+01	9.19E-01	2.21E-01	8.88E+01	1.25E+00	1.09E-03	9.19E-02	4.33E-02	1.39E+00
3620	476363.09	3850877.25	8.79E-01	8.66E-04	9.65E-02	5.50E-02	1.03E+00	1.16E+00	8.30E+01	9.65E-01	2.81E-01	8.54E+01	1.13E+00	1.05E-03	9.65E-02	5.50E-02	1.28E+00
3621	476863.09	3850877.25	9.99E-01	8.84E-04	8.50E-02	6.55E-02	1.15E+00	1.32E+00	8.48E+01	8.50E-01	3.35E-01	8.73E+01	1.28E+00	1.07E-03	8.50E-02	6.55E-02	1.43E+00
3622	477363.09	3850877.25	1.13E+00	1.25E-03	8.91E-02	7.20E-02	1.29E+00	1.50E+00	1.20E+02	8.91E-01	3.68E-01	1.23E+02	1.45E+00	1.52E-03	8.91E-02	7.20E-02	1.61E+00
3623	477863.09	3850877.25	1.20E+00	1.39E-03	1.17E-01	7.14E-02	1.39E+00	1.58E+00	1.33E+02	1.17E+00	3.65E-01	1.36E+02	1.53E+00	1.68E-03	1.17E-01	7.14E-02	1.72E+00
3624	478363.09	3850877.25	1.25E+00	1.17E-03	1.45E-01	6.29E-02	1.46E+00	1.65E+00	1.13E+02	1.45E+00	3.21E-01	1.16E+02	1.60E+00	1.42E-03	1.45E-01	6.29E-02	1.81E+00
3625	478863.09	3850877.25	1.25E+00	1.20E-03	1.67E-01	4.85E-02	1.46E+00	1.65E+00	1.15E+02	1.67E+00	2.48E-01	1.18E+02	1.60E+00	1.45E-03	1.67E-01	4.85E-02	1.81E+00
3626	479363.09	3850877.25	1.48E+00	1.09E-03	1.77E-01	3.49E-02	1.70E+00	1.96E+00	1.05E+02	1.77E+00	1.78E-01	1.09E+02	1.90E+00	1.33E-03	1.77E-01	3.49E-02	2.11E+00
3627	479863.09	3850877.25	1.59E+00	8.50E-04	1.69E-01	6.42E-02	1.82E+00	2.09E+00	8.15E+01	1.69E+00	3.28E-01	8.57E+01	2.03E+00	1.03E-03	1.69E-01	6.42E-02	2.27E+00
3628	480363.09	3850877.25	1.69E+00	7.17E-04	1.45E-01	5.76E-02	1.89E+00	2.23E+00	6.88E+01	1.45E+00	2.94E-01	7.28E+01	2.16E+00	8.69E-04	1.45E-01	5.76E-02	2.36E+00
3629	480863.09	3850877.25	2.04E+00	6.33E-04	1.10E-01	6.73E-02	2.22E+00	2.70E+00	6.07E+01	1.10E+00	3.44E-01	6.49E+01	2.62E+00	7.67E-04	1.10E-01	6.73E-02	2.80E+00
3630	481363.09	3850877.25	1.92E+00	5.31E-04	1.10E-01	7.89E-02	2.11E+00	2.53E+00	5.09E+01	1.10E+00	4.03E-01	5.50E+01	2.46E+00	6.43E-04	1.10E-01	7.89E-02	2.65E+00
3631	481863.09	3850877.25	1.75E+00	4.53E-04	4.58E-01	5.66E-02	2.27E+00	2.32E+00	4.34E+01	4.58E+00	2.89E-01	5.06E+01	2.25E+00	5.49E-04	4.58E-01	5.66E-02	2.76E+00
3632	482363.09	3850877.25	1.09E+00	3.04E-04	5.35E-01	6.20E-02	1.69E+00	1.45E+00	2.91E+01	5.35E+00	3.17E-01	3.62E+01	1.40E+00	3.68E-04	5.35E-01	6.20E-02	2.00E+00
3633	482863.09	3850877.25	5.85E-01	2.34E-04	1.48E-01	1.04E-01	8.38E-01	7.73E-01	2.25E+01	1.48E+00	5.31E-01	2.53E+01	7.50E-01	2.84E-04	1.48E-01	1.04E-01	1.00E+00
3634	483363.09	3850877.25	5.03E-01	2.09E-04	1.88E-01	4.09E-02	7.32E-01	6.65E-01	2.00E+01	1.88E+00	2.09E-01	2.28E+01	6.45E-01	2.53E-04	1.88E-01	4.09E-02	8.74E-01
3635	483863.09	3850877.25	6.35E-01	1.63E-04	2.78E-01	3.79E-02	9.51E-01	8.38E-01	1.57E+01	2.78E+00	1.94E-01	1.95E+01	8.14E-01	1.98E-04	2.78E-01	3.79E-02	1.13E+00
3636	484363.09	3850877.25	5.48E-01	2.63E-04	3.14E-01	4.02E-02	9.02E-01	7.24E-01	2.52E+01	3.14E+00	2.05E-01	2.93E+01	7.02E-01	3.18E-04	3.14E-01	4.02E-02	1.06E+00
3637	484863.09	3850877.25	3.94E-01	2.53E-04	1.82E-01	4.64E-02	6.23E-01	5.21E-01	2.42E+01	1.82E+00	2.37E-01	2.68E+01	5.06E-01	3.06E-04	1.82E-01	4.64E-02	7.34E-01
3638	485363.09	3850877.25	3.93E-01	2.22E-04	2.50E-01	4.32E-02	6.86E-01	5.19E-01	2.13E+01	2.50E+00	2.21E-01	2.46E+01	5.03E-01	2.69E-04	2.50E-01	4.32E-02	7.97E-01
3639	485863.09	3850877.25	3.57E-01	2.52E-04	3.09E-01	4.27E-02	7.09E-01	4.71E-01	2.42E+01	3.09E+00	2.18E-01	2.80E+01	4.57E-01	3.06E-04	3.09E-01	4.27E-02	8.10E-01
3640	486363.09	3850877.25	2.59E-01	2.00E-04	3.09E-01	3.88E-02	6.07E-01	3.42E-01	1.92E+01	3.09E+00	1.98E-01	2.29E+01	3.32E-01	2.43E-04	3.09E-01	3.88E-02	6.80E-01
3641	486863.09	3850877.25	2.57E-01	2.70E-04	3.55E-01	3.77E-02	6.50E-01	3.39E-01	2.59E+01	3.55E+00	1.93E-01	3.00E+01	3.29E-01	3.27E-04	3.55E-01	3.77E-02	7.22E-01
3642	487363.09	3850877.25	1.80E-01	2.73E-04	1.35E-01	3.86E-02	3.54E-01	2.38E-01	2.62E+01	1.35E+00	1.97E-01	2.80E+01	2.31E-01	3.31E-04	1.35E-01	3.86E-02	4.05E-01
3643	487863.09	3850877.25	1.80E-01	1.40E-04	1.63E-01	3.34E-02	3.76E-01	2.37E-01	1.34E+01	1.63E+00	1.71E-01	1.55E+01	2.30E-01	1.70E-04	1.63E-01	3.34E-02	4.27E-01
3644	488363.09	3850877.25	2.47E-01	1.63E-04	2.32E-01	3.46E-02	5.13E-01	3.26E-01	1.56E+01	2.32E+00	1.77E-01	1.85E+01	3.16E-01	1.98E-04	2.32E-01	3.46E-02	5.82E-01
3645	488863.09	3850877.25	2.71E-01	1.61E-04	2.24E-01	3.61E-02	5.32E-01	3.58E-01	1.55E+01	2.24E+00	1.85E-01	1.83E+01	3.48E-01	1.95E-04	2.24E-01	3.61E-02	6.08E-01
3646	489363.09	3850877.25	2.71E-01	1.36E-04	2.04E-01	3.02E-02	5.06E-01	3.58E-01	1.30E+01	2.04E+00	1.54E-01	1.56E+01	3.48E-01	1.65E-04	2.04E-01	3.02E-02	5.82E-01
3647	489863.09	3850877.25	2.71E-01	1.06E-04	2.02E-01	3.16E-02	5.04E-01	3.58E-01	1.02E+01	2.02E+00	1.62E-01	1.27E+01	3.47E-01	1.28E-04	2.02E-01	3.16E-02	5.81E-01
3648	490363.09	3850877.25	2.70E-01	8.89E-05	1.99E-01	2.97E-02	4.99E-01	3.57E-01	8.52E+00	1.99E+00	1.51E-01	1.10E+01	3.46E-01	1.08E-04	1.99E-01	2.97E-02	5.75E-01
3649	490863.09	3850877.25	2.68E-01	8.68E-05	2.07E-01	2.68E-02	5.01E-01	3.54E-01	8.33E+00	2.07E+00	1.37E-01	1.09E+01	3.43E-01	1.05E-04	2.07E-01	2.68E-02	5.77E-01
3650	491363.09	3850877.25	2.39E-01	7.19E-05	1.77E-01	2.59E-02	4.41E-01	3.15E-01	6.90E+00	1.77E+00	1.32E-01	9.11E+00	3.06E-01	8.71E-05	1.77E-01	2.59E-02	5.08E-01
3651	491863.09	3850877.25	1.38E-01	9.25E-05	1.39E-01	2.77E-02	3.06E-01	1.83E-01	8.87E+00	1.39E+00	1.41E-01	1.06E+01	1.77E-01	1.12E-04	1.39E-01	2.77E-02	3.45E-01
3652	492363.09	3850877.25	1.18E-01	1.48E-04	1.43E-01	2.14E-02	2.82E-01	1.55E-01	1.42E+01	1.43E+00	1.09E-01	1.59E+01	1.51E-01	1.80E-04	1.43E-01	2.14E-02	3.16E-01
3653	492863.09	3850877.25	1.17E-01	1.85E-04	1.24E-01	2.11E-02	2.63E-01	1.55E-01	1.77E+01	1.24E+00	1.08E-01	1.92E+01	1.51E-01	2.24E-04	1.24E-01	2.11E-02	2.96E-01
3654	493363.09	3850877.25	1.17E-01	1.75E-04	1.77E-01	2.10E-02	3.15E-01	1.55E-01	1.68E+01	1.77E+00	1.07E-01	1.88E+01	1.50E-01	2.12E-04	1.77E-01	2.10E-02	3.48E-01
3655	493863.09	3850877.25	1.33E-01	1.47E-04	1.78E-01	2.51E-02	3.36E-01	1.75E-01	1.41E+01	1.78E+00	1.28E-01	1.62E+01	1.70E-01	1.78E-04	1.78E-01	2.51E-02	3.73E-01
3656	494363.09	3850877.25	1.93E-01	1.79E-04	1.35E-01	2.78E-02	3.56E-01	2.54E-01	1.72E+01	1.35E+00	1.42E-01	1.89E+01	2.47E-01	2.17E-04	1.35E-01	2.78E-02	4.10E-01

3657	494863.09	3850877.25	2.19E-01	2.37E-04	1.31E-01	2.84E-02	3.79E-01	2.90E-01	2.27E+01	1.31E+00	1.45E-01	2.44E+01	2.81E-01	2.87E-04	1.31E-01	2.84E-02	4.41E-01
3658	495363.09	3850877.25	2.26E-01	2.22E-04	1.41E-01	2.71E-02	3.95E-01	2.99E-01	2.13E+01	1.41E+00	1.39E-01	2.31E+01	2.90E-01	2.69E-04	1.41E-01	2.71E-02	4.59E-01
3659	495863.09	3850877.25	2.27E-01	1.51E-04	1.34E-01	2.44E-02	3.86E-01	3.00E-01	1.44E+01	1.34E+00	1.24E-01	1.62E+01	2.92E-01	1.82E-04	1.34E-01	2.44E-02	4.50E-01
3660	496363.09	3850877.25	2.27E-01	1.39E-04	1.43E-01	2.07E-02	3.91E-01	3.00E-01	1.33E+01	1.43E+00	1.06E-01	1.52E+01	2.91E-01	1.68E-04	1.43E-01	2.07E-02	4.55E-01
3661	496863.09	3850877.25	2.27E-01	1.42E-04	1.37E-01	2.07E-02	3.85E-01	3.00E-01	1.36E+01	1.37E+00	1.06E-01	1.54E+01	2.91E-01	1.72E-04	1.37E-01	2.07E-02	4.49E-01
3662	497363.09	3850877.25	2.27E-01	1.37E-04	1.47E-01	2.13E-02	3.95E-01	2.99E-01	1.31E+01	1.47E+00	1.09E-01	1.50E+01	2.91E-01	1.66E-04	1.47E-01	2.13E-02	4.59E-01
3663	497863.09	3850877.25	2.26E-01	1.24E-04	1.42E-01	2.11E-02	3.90E-01	2.99E-01	1.19E+01	1.42E+00	1.08E-01	1.37E+01	2.90E-01	1.50E-04	1.42E-01	2.11E-02	4.54E-01
3664	498363.09	3850877.25	2.26E-01	1.07E-04	1.32E-01	2.08E-02	3.78E-01	2.98E-01	1.03E+01	1.32E+00	1.06E-01	1.20E+01	2.89E-01	1.30E-04	1.32E-01	2.08E-02	4.42E-01
3665	471363.09	3851377.25	5.28E-01	1.93E-04	2.08E-01	3.54E-02	7.72E-01	6.97E-01	1.85E+01	2.08E+00	1.81E-01	2.15E+01	6.77E-01	2.34E-04	2.08E-01	3.54E-02	9.21E-01
3666	471863.09	3851377.25	6.09E-01	2.52E-04	2.03E-01	4.19E-02	8.54E-01	8.04E-01	2.42E+01	2.03E+00	2.14E-01	2.72E+01	7.81E-01	3.05E-04	2.03E-01	4.19E-02	1.03E+00
3667	472363.09	3851377.25	5.50E-01	2.01E-04	1.81E-01	4.50E-02	7.77E-01	7.27E-01	1.92E+01	1.81E+00	2.30E-01	2.20E+01	7.05E-01	2.43E-04	1.81E-01	4.50E-02	9.32E-01
3668	472863.09	3851377.25	5.69E-01	2.23E-04	2.21E-01	4.79E-02	8.38E-01	7.51E-01	2.14E+01	2.21E+00	2.45E-01	2.46E+01	7.29E-01	2.70E-04	2.21E-01	4.79E-02	9.98E-01
3669	473363.09	3851377.25	4.74E-01	1.93E-04	2.20E-01	3.92E-02	7.34E-01	6.27E-01	1.85E+01	2.20E+00	2.00E-01	2.15E+01	6.08E-01	2.33E-04	2.20E-01	3.92E-02	8.68E-01
3670	473863.09	3851377.25	6.03E-01	3.06E-04	2.00E-01	3.15E-02	8.34E-01	7.96E-01	2.93E+01	2.00E+00	1.61E-01	3.23E+01	7.73E-01	3.70E-04	2.00E-01	3.15E-02	1.00E+00
3671	474363.09	3851377.25	8.47E-01	5.28E-04	1.59E-01	2.75E-02	1.03E+00	1.12E+00	5.06E+01	1.59E+00	1.40E-01	5.35E+01	1.09E+00	6.39E-04	1.59E-01	2.75E-02	1.27E+00
3672	474863.09	3851377.25	9.15E-01	7.86E-04	1.06E-01	2.66E-02	1.05E+00	1.21E+00	7.54E+01	1.06E+00	1.36E-01	7.78E+01	1.17E+00	9.52E-04	1.06E-01	2.66E-02	1.31E+00
3673	475363.09	3851377.25	8.29E-01	9.19E-04	7.38E-02	2.81E-02	9.32E-01	1.09E+00	8.81E+01	7.38E-01	1.44E-01	9.01E+01	1.06E+00	1.11E-03	7.38E-02	2.81E-02	1.17E+00
3674	475863.09	3851377.25	8.90E-01	9.02E-04	7.30E-02	3.01E-02	9.94E-01	1.18E+00	8.65E+01	7.30E-01	1.54E-01	8.85E+01	1.14E+00	1.09E-03	7.30E-02	3.01E-02	1.24E+00
3675	476363.09	3851377.25	8.81E-01	8.77E-04	8.06E-02	4.10E-02	1.00E+00	1.16E+00	8.42E+01	8.06E-01	2.10E-01	8.63E+01	1.13E+00	1.06E-03	8.06E-02	4.10E-02	1.25E+00
3676	476863.09	3851377.25	1.17E+00	8.66E-04	9.69E-02	5.37E-02	1.32E+00	1.55E+00	8.30E+01	9.69E-01	2.74E-01	8.58E+01	1.50E+00	1.05E-03	9.69E-02	5.37E-02	1.65E+00
3677	477363.09	3851377.25	1.05E+00	9.94E-04	9.57E-02	6.63E-02	1.21E+00	1.39E+00	9.53E+01	9.57E-01	3.39E-01	9.80E+01	1.35E+00	1.20E-03	9.57E-02	6.63E-02	1.51E+00
3678	477863.09	3851377.25	1.13E+00	1.29E-03	9.14E-02	7.53E-02	1.30E+00	1.49E+00	1.23E+02	9.14E-01	3.85E-01	1.26E+02	1.45E+00	1.56E-03	9.14E-02	7.53E-02	1.62E+00
3679	478363.09	3851377.25	1.31E+00	1.51E-03	1.12E-01	7.68E-02	1.50E+00	1.73E+00	1.45E+02	1.12E+00	3.92E-01	1.49E+02	1.68E+00	1.84E-03	1.12E-01	7.68E-02	1.87E+00
3680	478863.09	3851377.25	1.33E+00	1.26E-03	1.44E-01	6.88E-02	1.54E+00	1.75E+00	1.21E+02	1.44E+00	3.51E-01	1.25E+02	1.70E+00	1.53E-03	1.44E-01	6.88E-02	1.92E+00
3681	479363.09	3851377.25	1.34E+00	1.31E-03	1.71E-01	5.31E-02	1.57E+00	1.77E+00	1.25E+02	1.71E+00	2.71E-01	1.29E+02	1.72E+00	1.58E-03	1.71E-01	5.31E-02	1.94E+00
3682	479863.09	3851377.25	1.52E+00	1.18E-03	1.87E-01	3.56E-02	1.75E+00	2.01E+00	1.13E+02	1.87E+00	1.82E-01	1.17E+02	1.95E+00	1.43E-03	1.87E-01	3.56E-02	2.18E+00
3683	480363.09	3851377.25	1.84E+00	9.56E-04	1.83E-01	3.94E-02	2.06E+00	2.43E+00	9.17E+01	1.83E+00	2.01E-01	9.61E+01	2.35E+00	1.16E-03	1.83E-01	3.94E-02	2.58E+00
3684	480863.09	3851377.25	1.92E+00	7.30E-04	1.59E-01	4.40E-02	2.12E+00	2.54E+00	7.00E+01	1.59E+00	2.25E-01	7.44E+01	2.46E+00	8.85E-04	1.59E-01	4.40E-02	2.66E+00
3685	481363.09	3851377.25	2.11E+00	7.21E-04	1.21E-01	4.96E-02	2.28E+00	2.78E+00	6.92E+01	1.21E+00	2.54E-01	7.34E+01	2.70E+00	8.74E-04	1.21E-01	4.96E-02	2.87E+00
3686	481863.09	3851377.25	2.00E+00	5.29E-04	1.18E-01	5.19E-02	2.17E+00	2.64E+00	5.07E+01	1.18E+00	2.65E-01	5.48E+01	2.56E+00	6.41E-04	1.18E-01	5.19E-02	2.74E+00
3687	482363.09	3851377.25	1.80E+00	4.37E-04	4.49E-01	6.11E-02	2.31E+00	2.38E+00	4.19E+01	4.49E+00	3.12E-01	4.91E+01	2.31E+00	5.29E-04	4.49E-01	6.11E-02	2.82E+00
3688	482863.09	3851377.25	1.29E+00	2.58E-04	4.95E-01	1.08E-01	1.90E+00	1.71E+00	2.47E+01	4.95E+00	5.50E-01	3.20E+01	1.66E+00	3.13E-04	4.95E-01	1.08E-01	2.26E+00
3689	483363.09	3851377.25	4.70E-01	2.15E-04	9.51E-02	5.35E-02	6.19E-01	6.21E-01	2.06E+01	9.51E-01	2.73E-01	2.24E+01	6.02E-01	2.60E-04	9.51E-02	5.35E-02	7.51E-01
3690	483863.09	3851377.25	6.35E-01	1.56E-04	3.14E-01	3.84E-02	9.88E-01	8.39E-01	1.49E+01	3.14E+00	1.96E-01	1.91E+01	8.15E-01	1.89E-04	3.14E-01	3.84E-02	1.17E+00
3691	484363.09	3851377.25	7.07E-01	3.65E-04	8.76E-01	4.22E-02	1.62E+00	9.33E-01	3.50E+01	8.76E+00	2.16E-01	4.49E+01	9.06E-01	4.42E-04	8.76E-01	4.22E-02	1.82E+00
3692	484863.09	3851377.25	3.95E-01	1.79E-04	1.49E-01	3.89E-02	5.83E-01	5.21E-01	1.71E+01	1.49E+00	1.98E-01	1.93E+01	5.06E-01	2.16E-04	1.49E-01	3.89E-02	6.94E-01
3693	485363.09	3851377.25	7.88E-01	2.43E-04	2.41E-01	4.72E-02	1.08E+00	1.04E+00	2.33E+01	2.41E+00	2.41E-01	2.70E+01	1.01E+00	2.94E-04	2.41E-01	4.72E-02	1.30E+00
3694	485863.09	3851377.25	3.74E-01	2.57E-04	3.11E-01	4.29E-02	7.28E-01	4.94E-01	2.47E+01	3.11E+00	2.19E-01	2.85E+01	4.79E-01	3.12E-04	3.11E-01	4.29E-02	8.34E-01
3695	486363.09	3851377.25	2.60E-01	2.02E-04	3.07E-01	7.01E-02	6.38E-01	3.44E-01	1.94E+01	3.07E+00	3.58E-01	2.32E+01	3.34E-01	2.45E-04	3.07E-01	7.01E-02	7.11E-01
3696	486863.09	3851377.25	2.58E-01	2.57E-04	5.42E-01	4.33E-02	8.43E-01	3.40E-01	2.46E+01	5.42E+00	2.21E-01	3.06E+01	3.30E-01	3.11E-04	5.42E-01	4.33E-02	9.16E-01
3697	487363.09	3851377.25	1.80E-01	2.88E-04	1.39E-01	3.79E-02	3.57E-01	2.38E-01	2.76E+01	1.39E+00	1.94E-01	2.94E+01	2.31E-01	3.49E-04	1.39E-01	3.79E-02	4.08E-01
3698	487863.09	3851377.25	2.33E-01	1.61E-04	1.72E-01	3.42E-02	4.39E-01	3.08E-01	1.54E+01	1.72E+00	1.74E-01	1.76E+01	2.99E-01	1.95E-04	1.72E-01	3.42E-02	5.05E-01
3699	488363.09	3851377.25	2.71E-01	1.65E-04	2.38E-01	3.26E-02	5.42E-01	3.58E-01	1.58E+01	2.38E+00	1.67E-01	1.87E+01	3.47E-01	2.00E-04	2.38E-01	3.26E-02	6.19E-01
3700	488863.09	3851377.25	2.71E-01	1.43E-04	2.18E-01	3.63E-02	5.26E-01	3.59E-01	1.38E+01	2.18E+00	1.86E-01	1.65E+01	3.48E-01	1.74E-04	2.18E-01	3.63E-02	6.02E-01
3701	489363.09	3851377.25	2.71E-01	1.11E-04	2.23E-01	3.32E-02	5.27E-01	3.58E-01	1.07E+01	2.23E+00	1.70E-01	1.34E+01	3.47E-01	1.35E-04	2.23E-01	3.32E-02	6.03E-01
3702	489863.09	3851377.25	2.70E-01	1.03E-04	2.82E-01	3.07E-02	5.83E-01	3.57E-01	9.92E+00	2.82E+00	1.57E-01	1.33E+01	3.46E-01	1.25E-04	2.82E-01	3.07E-02	6.60E-01
3703	490363.09	3851377.25	2.69E-01	8.23E-05	2.11E-01	2.86E-02	5.08E-01	3.56E-01	7.90E+00	2.11E+00	1.46E-01	1.05E+01	3.45E-01	9.97E-05	2.11E-01	2.86E-02	5.84E-01
3704	490863.09	3851377.25	2.54E-01	8.64E-05	2.17E-01	2.78E-02	4.98E-01	3.36E-01	8.29E+00	2.17E+00	1.42E-01	1.09E+01	3.26E-01	1.05E-04	2.17E-01	2.78E-02	5.70E-01
3705	491363.09	3851377.25	1.60E-01	8.06E-05	1.47E-01	2.78E-02	3.34E-01	2.11E-01	7.73E+00	1.47E+00	1.42E-01	9.55E+00	2.05E-01	9.76E-05	1.47E-01	2.78E-02	3.79E-01
3706	491863.09	3851377.25	1.33E-01	1.37E-04	1.55E-01	2.74E-02	3.16E-01	1.76E-01	1.31E+01	1.55E+00	1.40E-01	1.50E+01	1.71E-01	1.66E-04	1.55E-01	2.74E-02	3.54E-01
3707	492363.09	3851377.25	1.42E-01	1.82E-04	1.36E-01	2.11E-02	2.99E-01	1.87E-01	1.75E+01	1.36E+00	1.08E-01	1.91E+01	1.81E-01	2.20E-04	1.36E-01	2.11E-02	3.39E-01
3708	492863.09	3851377.25	1.54E-01	1.83E-04	1.71E-01	2.57E-02	3.51E-01	2.03E-01	1.75E+01	1.71E+00	1.31E-01	1.96E+01	1.97E-01	2.21E-04	1.71E-01	2.57E-02	3.95E-01
3709	493363.09	3851377.25	2.03E-01	1.48E-04	1.93E-01	2.51E-02	4.21E-01	2.68E-01	1.42E+01	1.93E+00	1.28E-01	1.66E+01	2.60E-01	1.80E-04	1.93E-01	2.51E-02	4.79E-01
3710	493863.09	3851377.25	2.23E-01	1.63E-04	1.50E-01	3.03E-02	4.03E-01	2.95E-01	1.57E+01	1.50E+00	1.55E-01	1.76E+01	2.86E-01	1.98E-04	1.50E-01	3.03E-02	4.66E-01
3711	494363.09	3851377.25	2.27E-01	2.31E-04	1.34E-01	2.89E-02	3.91E-01	3.00E-01	2.21E+01	1.34E+00	1.47E-01	2.39E+01	2.91E-01	2.80E-04	1.34E-01	2.89E-02	4.55E-01
3712	494863.09	3851377.25	2.28E-01	2.36E-04	1.46E-01	2.57E-02	3.99E-01	3.01E-01	2.26E+01	1.46E+00	1.31E-01	2.45E+01	2.92E-01	2.86E-04	1.46E-01	2.57E-02	4.64E-01
3713	495363.09	3851377.25	2.27E-01	1.68E-04	1.83E-01	2.47E-02	4.35E-01	3.00E-01	1.61E+01	1.83E+00	1.26E-01	1.83E+01	2.91E-01	2.03E-04	1.83E-01	2.47E-02	4.99E-01
3714	495863.09	3851377.25	2.27E-01	1.43E-04	1.49E-01	2.41E-02	4.00E-01	3.00E-01	1.37E+01	1.49E+00	1.23E-01	1.56E+01	2.91E-01	1.73E-04	1.49E-01	2.41E-02	4.64E-01
3715	496363.09	3851377.25	2.27E-01	1.37E-04	1.48E-01	2.23E-02	3.97E-01	2.99E-01	1.31E+01	1.48E+00	1.14E-01	1.50E+01	2.91E-01	1.65E-04	1.48E-01	2.23E-02	4.61E-01
3716	496863.09	3851377.25	2.26E-01	1.22E-04	1.54E-01	2.18E-02	4.02E-01	2.99E-01	1.17E+01	1.54E+00	1.11E-01	1.37E+01	2.90E-01	1.48E-04	1.54E-01	2.18E-02	4.66E-01
3717	497363.09	3851377.25	2.26E-01	1.04E-04	1.44E-01	2.07E-02	3.90E-01	2.98E-01	1.00E+01	1.44E+00	1.06E-01	1.19E+01	2.89E-01	1.27E-04	1.44E-01	2.07E-02	4.54E-01

3718	497863.09	3851377.25	2.22E-01	8.75E-05	1.33E-01	2.16E-02	3.77E-01	2.93E-01	8.39E+00	1.33E+00	1.10E-01	1.01E+01	2.85E-01	1.06E-04	1.33E-01	2.16E-02	4.40E-01
3719	498363.09	3851377.25	2.06E-01	8.47E-05	1.11E-01	2.30E-02	3.40E-01	2.72E-01	8.12E+00	1.11E+00	1.17E-01	9.62E+00	2.64E-01	1.03E-04	1.11E-01	2.30E-02	3.98E-01
3720	471363.09	3851877.25	4.60E-01	2.22E-04	2.10E-01	3.91E-02	7.09E-01	6.08E-01	2.13E+01	2.10E+00	2.00E-01	2.42E+01	5.90E-01	2.69E-04	2.10E-01	3.91E-02	8.39E-01
3721	471863.09	3851877.25	4.76E-01	2.04E-04	2.32E-01	3.85E-02	7.46E-01	6.28E-01	1.96E+01	2.32E+00	1.97E-01	2.28E+01	6.10E-01	2.48E-04	2.32E-01	3.85E-02	8.80E-01
3722	472363.09	3851877.25	5.88E-01	2.44E-04	2.61E-01	4.55E-02	8.94E-01	7.76E-01	2.34E+01	2.61E+00	2.32E-01	2.70E+01	7.54E-01	2.95E-04	2.61E-01	4.55E-02	1.06E+00
3723	472863.09	3851877.25	6.62E-01	2.53E-04	2.42E-01	4.78E-02	9.52E-01	8.74E-01	2.43E+01	2.42E+00	2.44E-01	2.78E+01	8.49E-01	3.07E-04	2.42E-01	4.78E-02	1.14E+00
3724	473363.09	3851877.25	6.10E-01	1.69E-04	1.67E-01	3.98E-02	8.16E-01	8.05E-01	1.62E+01	1.67E+00	2.03E-01	1.89E+01	7.82E-01	2.05E-04	1.67E-01	3.98E-02	9.88E-01
3725	473863.09	3851877.25	5.56E-01	1.92E-04	2.15E-01	4.48E-02	8.15E-01	7.34E-01	1.84E+01	2.15E+00	2.29E-01	2.16E+01	7.12E-01	2.33E-04	2.15E-01	4.48E-02	9.72E-01
3726	474363.09	3851877.25	6.27E-01	2.66E-04	2.52E-01	4.88E-02	9.28E-01	8.28E-01	2.55E+01	2.52E+00	2.49E-01	2.91E+01	8.04E-01	3.22E-04	2.52E-01	4.88E-02	1.10E+00
3727	474863.09	3851877.25	6.87E-01	4.53E-04	2.38E-01	4.08E-02	9.66E-01	9.07E-01	4.34E+01	2.38E+00	2.08E-01	4.69E+01	8.81E-01	5.49E-04	2.38E-01	4.08E-02	1.16E+00
3728	475363.09	3851877.25	8.86E-01	6.70E-04	1.84E-01	2.89E-02	1.10E+00	1.17E+00	6.42E+01	1.84E+00	1.48E-01	6.74E+01	1.14E+00	8.11E-04	1.84E-01	2.89E-02	1.35E+00
3729	475863.09	3851877.25	1.01E+00	8.58E-04	1.16E-01	2.79E-02	1.16E+00	1.34E+00	8.23E+01	1.16E+00	1.43E-01	8.49E+01	1.30E+00	1.04E-03	1.16E-01	2.79E-02	1.45E+00
3730	476363.09	3851877.25	9.87E-01	7.77E-04	7.85E-02	2.83E-02	1.09E+00	1.30E+00	7.45E+01	7.85E-01	1.44E-01	7.67E+01	1.26E+00	9.41E-04	7.85E-02	2.83E-02	1.37E+00
3731	476863.09	3851877.25	1.02E+00	7.47E-04	7.72E-02	3.81E-02	1.14E+00	1.35E+00	7.16E+01	7.72E-01	1.95E-01	7.39E+01	1.31E+00	9.05E-04	7.72E-02	3.81E-02	1.42E+00
3732	477363.09	3851877.25	1.05E+00	7.83E-04	8.73E-02	5.17E-02	1.19E+00	1.39E+00	7.51E+01	8.73E-01	2.64E-01	7.76E+01	1.35E+00	9.48E-04	8.73E-02	5.17E-02	1.49E+00
3733	477863.09	3851877.25	1.37E+00	8.05E-04	9.98E-02	6.63E-02	1.54E+00	1.81E+00	7.72E+01	9.98E-01	3.39E-01	8.03E+01	1.76E+00	9.75E-04	9.98E-02	6.63E-02	1.92E+00
3734	478363.09	3851877.25	1.54E+00	9.26E-04	9.17E-02	7.81E-02	1.71E+00	2.04E+00	8.89E+01	9.17E-01	3.99E-01	9.22E+01	1.98E+00	1.12E-03	9.17E-02	7.81E-02	2.15E+00
3735	478863.09	3851877.25	1.61E+00	1.49E-03	1.06E-01	8.24E-02	1.80E+00	2.12E+00	1.43E+02	1.06E+00	4.21E-01	1.46E+02	2.06E+00	1.80E-03	1.06E-01	8.24E-02	2.25E+00
3736	479363.09	3851877.25	1.58E+00	1.28E-03	1.41E-01	7.55E-02	1.80E+00	2.09E+00	1.22E+02	1.41E+00	3.86E-01	1.26E+02	2.03E+00	1.54E-03	1.41E-01	7.55E-02	2.24E+00
3737	479863.09	3851877.25	1.62E+00	1.44E-03	1.75E-01	5.86E-02	1.86E+00	2.14E+00	1.38E+02	1.75E+00	2.99E-01	1.42E+02	2.08E+00	1.75E-03	1.75E-01	5.86E-02	2.31E+00
3738	480363.09	3851877.25	1.58E+00	1.22E-03	1.96E-01	3.85E-02	1.81E+00	2.09E+00	1.17E+02	1.96E+00	1.96E-01	1.21E+02	2.02E+00	1.48E-03	1.96E-01	3.85E-02	2.26E+00
3739	480863.09	3851877.25	2.11E+00	9.89E-04	1.97E-01	3.78E-02	2.35E+00	2.79E+00	9.49E+01	1.97E+00	1.93E-01	9.98E+01	2.71E+00	1.20E-03	1.97E-01	3.78E-02	2.94E+00
3740	481363.09	3851877.25	2.20E+00	7.89E-04	1.74E-01	3.78E-02	2.41E+00	2.90E+00	7.57E+01	1.74E+00	1.93E-01	8.05E+01	2.82E+00	9.56E-04	1.74E-01	3.78E-02	3.03E+00
3741	481863.09	3851877.25	2.48E+00	7.12E-04	1.32E-01	4.82E-02	2.66E+00	3.28E+00	6.83E+01	1.32E+00	2.46E-01	7.31E+01	3.18E+00	8.62E-04	1.32E-01	4.82E-02	3.36E+00
3742	482363.09	3851877.25	2.11E+00	5.11E-04	1.98E-01	6.27E-02	2.37E+00	2.78E+00	4.90E+01	1.98E+00	3.20E-01	5.41E+01	2.70E+00	6.19E-04	1.98E-01	6.27E-02	2.96E+00
3743	482863.09	3851877.25	1.15E+00	3.67E-04	7.19E-01	8.58E-02	1.95E+00	1.52E+00	3.52E+01	7.19E+00	4.38E-01	4.44E+01	1.47E+00	4.45E-04	7.19E-01	8.58E-02	2.28E+00
3744	483363.09	3851877.25	1.17E+00	2.20E-04	4.18E-01	1.26E-01	1.71E+00	1.55E+00	2.11E+01	4.18E+00	6.42E-01	2.74E+01	1.50E+00	2.66E-04	4.18E-01	1.26E-01	2.04E+00
3745	483863.09	3851877.25	7.47E-01	2.53E-04	2.26E-01	9.59E-02	1.07E+00	9.87E-01	2.42E+01	2.26E+00	4.90E-01	2.80E+01	9.58E-01	3.06E-04	2.26E-01	9.59E-02	1.28E+00
3746	484363.09	3851877.25	8.78E-01	3.58E-04	9.78E-01	4.40E-02	1.90E+00	1.16E+00	3.43E+01	9.78E+00	2.25E-01	4.55E+01	1.13E+00	4.33E-04	9.78E-01	4.40E-02	2.15E+00
3747	484863.09	3851877.25	7.95E-01	3.64E-04	7.24E-01	4.79E-02	1.57E+00	1.05E+00	3.49E+01	7.24E+00	2.45E-01	4.34E+01	1.02E+00	4.41E-04	7.24E-01	4.79E-02	1.79E+00
3748	485363.09	3851877.25	7.91E-01	3.45E-04	2.18E-01	5.04E-02	1.06E+00	1.05E+00	3.31E+01	2.18E+00	2.57E-01	3.66E+01	1.01E+00	4.18E-04	2.18E-01	5.04E-02	1.28E+00
3749	485863.09	3851877.25	7.73E-01	2.73E-04	2.94E-01	1.08E-01	1.17E+00	1.02E+00	2.61E+01	2.94E+00	5.50E-01	3.06E+01	9.91E-01	3.30E-04	2.94E-01	1.08E-01	1.39E+00
3750	486363.09	3851877.25	2.61E-01	2.08E-04	4.46E-01	7.70E-02	7.84E-01	3.45E-01	1.99E+01	4.46E+00	3.93E-01	2.51E+01	3.35E-01	2.52E-04	4.46E-01	7.70E-02	8.58E-01
3751	486863.09	3851877.25	2.58E-01	2.42E-04	6.65E-01	5.33E-02	9.77E-01	3.41E-01	2.32E+01	6.65E+00	2.72E-01	3.04E+01	3.31E-01	2.93E-04	6.65E-01	5.33E-02	1.05E+00
3752	487363.09	3851877.25	2.12E-01	3.00E-04	2.93E-01	3.43E-02	5.40E-01	2.81E-01	2.87E+01	2.93E+00	1.75E-01	3.21E+01	2.72E-01	3.63E-04	2.93E-01	3.43E-02	6.00E-01
3753	487863.09	3851877.25	2.71E-01	1.67E-04	1.81E-01	3.31E-02	4.85E-01	3.58E-01	1.60E+01	1.81E+00	1.69E-01	1.83E+01	3.47E-01	2.02E-04	1.81E-01	3.31E-02	5.61E-01
3754	488363.09	3851877.25	2.72E-01	1.51E-04	2.51E-01	3.33E-02	5.56E-01	3.59E-01	1.45E+01	2.51E+00	1.70E-01	1.75E+01	3.48E-01	1.83E-04	2.51E-01	3.33E-02	6.32E-01
3755	488863.09	3851877.25	2.71E-01	1.21E-04	2.15E-01	3.73E-02	5.23E-01	3.58E-01	1.16E+01	2.15E+00	1.91E-01	1.43E+01	3.47E-01	1.47E-04	2.15E-01	3.73E-02	6.00E-01
3756	489363.09	3851877.25	2.70E-01	9.27E-05	2.41E-01	3.11E-02	5.43E-01	3.57E-01	8.89E+00	2.41E+00	1.59E-01	1.18E+01	3.47E-01	1.12E-04	2.41E-01	3.11E-02	6.19E-01
3757	489863.09	3851877.25	2.70E-01	1.07E-04	2.21E-01	3.23E-02	5.23E-01	3.56E-01	1.03E+01	2.21E+00	1.65E-01	1.30E+01	3.46E-01	1.30E-04	2.21E-01	3.23E-02	5.99E-01
3758	490363.09	3851877.25	2.63E-01	8.44E-05	2.21E-01	2.72E-02	5.12E-01	3.48E-01	8.09E+00	2.21E+00	1.39E-01	1.08E+01	3.38E-01	1.02E-04	2.21E-01	2.72E-02	5.86E-01
3759	490863.09	3851877.25	1.92E-01	7.99E-05	2.06E-01	2.78E-02	4.25E-01	2.53E-01	7.66E+00	2.06E+00	1.42E-01	1.01E+01	2.46E-01	9.68E-05	2.06E-01	2.78E-02	4.79E-01
3760	491363.09	3851877.25	1.42E-01	1.24E-04	2.57E-01	2.95E-02	4.28E-01	1.87E-01	1.19E+01	2.57E+00	1.50E-01	1.48E+01	1.82E-01	1.50E-04	2.57E-01	2.95E-02	4.68E-01
3761	491863.09	3851877.25	1.60E-01	1.77E-04	2.44E-01	2.58E-02	4.31E-01	2.12E-01	1.69E+01	2.44E+00	1.32E-01	1.97E+01	2.06E-01	2.14E-04	2.44E-01	2.58E-02	4.76E-01
3762	492363.09	3851877.25	2.12E-01	1.89E-04	1.58E-01	3.03E-02	4.01E-01	2.80E-01	1.82E+01	1.58E+00	1.55E-01	2.02E+01	2.72E-01	2.29E-04	1.58E-01	3.03E-02	4.60E-01
3763	492863.09	3851877.25	2.26E-01	1.54E-04	2.02E-01	3.23E-02	4.60E-01	2.98E-01	1.48E+01	2.02E+00	1.65E-01	1.73E+01	2.90E-01	1.87E-04	2.02E-01	3.23E-02	5.24E-01
3764	493363.09	3851877.25	2.28E-01	1.49E-04	1.64E-01	3.07E-02	4.22E-01	3.01E-01	1.43E+01	1.64E+00	1.57E-01	1.64E+01	2.92E-01	1.80E-04	1.64E-01	3.07E-02	4.86E-01
3765	493863.09	3851877.25	2.28E-01	2.20E-04	1.91E-01	2.80E-02	4.46E-01	3.01E-01	2.11E+01	1.91E+00	1.43E-01	2.34E+01	2.92E-01	2.66E-04	1.91E-01	2.80E-02	5.11E-01
3766	494363.09	3851877.25	2.27E-01	2.47E-04	2.09E-01	2.56E-02	4.62E-01	3.00E-01	2.37E+01	2.09E+00	1.31E-01	2.62E+01	2.91E-01	3.00E-04	2.09E-01	2.56E-02	5.27E-01
3767	494863.09	3851877.25	2.27E-01	1.86E-04	1.91E-01	2.89E-02	4.48E-01	3.00E-01	1.78E+01	1.91E+00	1.48E-01	2.02E+01	2.91E-01	2.25E-04	1.91E-01	2.89E-02	5.12E-01
3768	495363.09	3851877.25	2.27E-01	1.36E-04	1.55E-01	2.71E-02	4.09E-01	2.99E-01	1.30E+01	1.55E+00	1.39E-01	1.50E+01	2.91E-01	1.65E-04	1.55E-01	2.71E-02	4.73E-01
3769	495863.09	3851877.25	2.26E-01	1.20E-04	1.59E-01	2.88E-02	4.14E-01	2.99E-01	1.15E+01	1.59E+00	1.47E-01	1.36E+01	2.90E-01	1.46E-04	1.59E-01	2.88E-02	4.78E-01
3770	496363.09	3851877.25	2.26E-01	1.05E-04	1.59E-01	2.86E-02	4.14E-01	2.98E-01	1.01E+01	1.59E+00	1.46E-01	1.21E+01	2.89E-01	1.27E-04	1.59E-01	2.86E-02	4.77E-01
3771	496863.09	3851877.25	2.22E-01	8.50E-05	1.46E-01	2.18E-02	3.90E-01	2.94E-01	8.15E+00	1.46E+00	1.11E-01	1.00E+01	2.85E-01	1.03E-04	1.46E-01	2.18E-02	4.53E-01
3772	497363.09	3851877.25	2.05E-01	7.38E-05	1.31E-01	2.24E-02	3.58E-01	2.71E-01	7.08E+00	1.31E+00	1.14E-01	8.77E+00	2.63E-01	8.94E-05	1.31E-01	2.24E-02	4.16E-01
3773	497863.09	3851877.25	1.61E-01	9.03E-05	1.01E-01	2.37E-02	2.85E-01	2.12E-01	8.66E+00	1.01E+00	1.21E-01	1.00E+01	2.06E-01	1.09E-04	1.01E-01	2.37E-02	3.30E-01
3774	498363.09	3851877.25	1.46E-01	9.94E-05	1.11E-01	2.40E-02	2.81E-01	1.93E-01	9.53E+00	1.11E+00	1.23E-01	1.10E+01	1.88E-01	1.20E-04	1.11E-01	2.40E-02	3.23E-01
3775	471363.09	3852377.25	5.11E-01	2.06E-04	1.25E-01	3.86E-02	6.74E-01	6.74E-01	1.98E+01	1.25E+00	1.97E-01	2.19E+01	6.55E-01	2.50E-04	1.25E-01	3.86E-02	8.18E-01
3776	471863.09	3852377.25	6.18E-01	2.04E-04	1.36E-01	3.98E-02	7.94E-01	8.16E-01	1.96E+01	1.36E+00	2.03E-01	2.19E+01	7.92E-01	2.47E-04	1.36E-01	3.98E-02	9.68E-01
3777	472363.09	3852377.25	5.79E-01	2.19E-04	1.89E-01	4.06E-02	8.09E-01	7.65E-01	2.10E+01	1.89E+00	2.07E-01	2.39E+01	7.42E-01	2.66E-04	1.89E-01	4.06E-02	9.72E-01
3778	472863.09	3852377.25	5.21E-01	2.47E-04	2.53E-01	4.09E-02	8.15E-01	6.88E-01	2.37E+01	2.53E+00	2.09E-01	2.71E+01	6.68E-01	2.99E-04	2.53E-01	4.09E-02	9.62E-01

3779	473363.09	3852377.25	5.59E-01	2.52E-04	2.86E-01	4.69E-02	8.92E-01	7.39E-01	2.42E+01	2.86E+00	2.39E-01	2.80E+01	7.17E-01	3.05E-04	2.86E-01	4.69E-02	1.05E+00
3780	473863.09	3852377.25	6.33E-01	2.20E-04	2.71E-01	4.90E-02	9.54E-01	8.36E-01	2.11E+01	2.71E+00	2.50E-01	2.49E+01	8.11E-01	2.67E-04	2.71E-01	4.90E-02	1.13E+00
3781	474363.09	3852377.25	6.78E-01	1.75E-04	2.17E-01	4.16E-02	9.37E-01	8.95E-01	1.68E+01	2.17E+00	2.12E-01	2.01E+01	8.69E-01	2.12E-04	2.17E-01	4.16E-02	1.13E+00
3782	474863.09	3852377.25	8.05E-01	2.82E-04	2.40E-01	5.73E-02	1.10E+00	1.06E+00	2.71E+01	2.40E+00	2.93E-01	3.08E+01	1.03E+00	3.42E-04	2.40E-01	5.73E-02	1.33E+00
3783	475363.09	3852377.25	7.51E-01	3.51E-04	2.76E-01	5.76E-02	1.08E+00	9.92E-01	3.37E+01	2.76E+00	2.94E-01	3.78E+01	9.62E-01	4.26E-04	2.76E-01	5.76E-02	1.30E+00
3784	475863.09	3852377.25	7.56E-01	4.81E-04	2.63E-01	4.43E-02	1.06E+00	9.99E-01	4.61E+01	2.63E+00	2.26E-01	5.00E+01	9.70E-01	5.83E-04	2.63E-01	4.43E-02	1.28E+00
3785	476363.09	3852377.25	8.46E-01	5.86E-04	1.99E-01	3.06E-02	1.08E+00	1.12E+00	5.62E+01	1.99E+00	1.56E-01	5.95E+01	1.09E+00	7.10E-04	1.99E-01	3.06E-02	1.32E+00
3786	476863.09	3852377.25	1.06E+00	6.98E-04	1.19E-01	2.94E-02	1.21E+00	1.40E+00	6.69E+01	1.19E+00	1.50E-01	6.97E+01	1.36E+00	8.45E-04	1.19E-01	2.94E-02	1.51E+00
3787	477363.09	3852377.25	1.10E+00	5.79E-04	8.38E-02	3.48E-02	1.22E+00	1.45E+00	5.56E+01	8.38E-01	1.78E-01	5.80E+01	1.41E+00	7.02E-04	8.38E-02	3.48E-02	1.53E+00
3788	477863.09	3852377.25	8.00E-01	2.88E-04	8.20E-02	4.87E-02	9.31E-01	1.06E+00	2.77E+01	8.20E-01	2.49E-01	2.98E+01	1.03E+00	3.49E-04	8.20E-02	4.87E-02	1.16E+00
3789	478363.09	3852377.25	7.10E-01	3.65E-04	8.87E-02	6.50E-02	8.64E-01	9.37E-01	3.50E+01	8.87E-01	3.32E-01	3.72E+01	9.10E-01	4.42E-04	8.87E-02	6.50E-02	1.06E+00
3790	478863.09	3852377.25	1.29E+00	4.83E-04	9.51E-02	8.03E-02	1.46E+00	1.70E+00	4.63E+01	9.51E-01	4.10E-01	4.94E+01	1.65E+00	5.85E-04	9.51E-02	8.03E-02	1.82E+00
3791	479363.09	3852377.25	1.80E+00	9.64E-04	9.99E-02	8.82E-02	1.99E+00	2.38E+00	9.25E+01	9.99E-01	4.51E-01	9.63E+01	2.31E+00	1.17E-03	9.99E-02	8.82E-02	2.50E+00
3792	479863.09	3852377.25	2.06E+00	1.15E-03	1.36E-01	8.32E-02	2.28E+00	2.72E+00	1.10E+02	1.36E+00	4.25E-01	1.15E+02	2.64E+00	1.39E-03	1.36E-01	8.32E-02	2.86E+00
3793	480363.09	3852377.25	1.83E+00	1.59E-03	1.76E-01	6.51E-02	2.07E+00	2.42E+00	1.52E+02	1.76E+00	3.32E-01	1.57E+02	2.35E+00	1.92E-03	1.76E-01	6.51E-02	2.59E+00
3794	480863.09	3852377.25	1.92E+00	1.28E-03	2.05E-01	4.17E-02	2.16E+00	2.53E+00	1.23E+02	2.05E+00	2.13E-01	1.28E+02	2.46E+00	1.55E-03	2.05E-01	4.17E-02	2.70E+00
3795	481363.09	3852377.25	2.46E+00	1.03E-03	2.13E-01	3.73E-02	2.71E+00	3.25E+00	9.85E+01	2.13E+00	1.90E-01	1.04E+02	3.16E+00	1.24E-03	2.13E-01	3.73E-02	3.41E+00
3796	481863.09	3852377.25	2.56E+00	8.78E-04	1.91E-01	4.18E-02	2.79E+00	3.38E+00	8.42E+01	1.91E+00	2.14E-01	8.97E+01	3.28E+00	1.06E-03	1.91E-01	4.18E-02	3.51E+00
3797	482363.09	3852377.25	2.93E+00	7.08E-04	1.46E-01	6.35E-02	3.14E+00	3.87E+00	6.79E+01	1.46E+00	3.24E-01	7.36E+01	3.76E+00	8.58E-04	1.46E-01	6.35E-02	3.97E+00
3798	482863.09	3852377.25	2.64E+00	5.91E-04	1.55E-01	6.67E-02	2.87E+00	3.49E+00	5.67E+01	1.55E+00	3.41E-01	6.20E+01	3.39E+00	7.16E-04	1.55E-01	6.67E-02	3.61E+00
3799	483363.09	3852377.25	1.82E+00	3.20E-04	6.72E-01	1.25E-01	2.62E+00	2.41E+00	3.07E+01	6.72E+00	6.37E-01	4.05E+01	2.34E+00	3.88E-04	6.72E-01	1.25E-01	3.14E+00
3800	483863.09	3852377.25	8.87E-01	2.12E-04	3.10E-01	1.21E-01	1.32E+00	1.17E+00	2.03E+01	3.10E+00	6.21E-01	2.52E+01	1.14E+00	2.56E-04	3.10E-01	1.21E-01	1.57E+00
3801	484363.09	3852377.25	1.06E+00	3.36E-04	4.78E-01	9.40E-02	1.63E+00	1.40E+00	3.22E+01	4.78E+00	4.80E-01	3.89E+01	1.36E+00	4.07E-04	4.78E-01	9.40E-02	1.93E+00
3802	484863.09	3852377.25	1.04E+00	3.72E-04	1.13E+00	4.76E-02	2.21E+00	1.37E+00	3.57E+01	1.13E+01	2.43E-01	4.86E+01	1.33E+00	4.51E-04	1.13E+00	4.76E-02	2.51E+00
3803	485363.09	3852377.25	8.02E-01	3.55E-04	3.41E-01	6.68E-02	1.21E+00	1.06E+00	3.40E+01	3.41E+00	3.41E-01	3.89E+01	1.03E+00	4.30E-04	3.41E-01	6.68E-02	1.44E+00
3804	485863.09	3852377.25	7.88E-01	3.14E-04	2.92E-01	1.44E-01	1.22E+00	1.04E+00	3.02E+01	2.92E+00	7.35E-01	3.48E+01	1.01E+00	3.81E-04	2.92E-01	1.44E-01	1.45E+00
3805	486363.09	3852377.25	3.90E-01	2.16E-04	6.29E-01	7.98E-02	1.10E+00	5.16E-01	2.07E+01	6.29E+00	4.08E-01	2.79E+01	5.00E-01	2.61E-04	6.29E-01	7.98E-02	1.21E+00
3806	486863.09	3852377.25	3.58E-01	2.25E-04	5.97E-01	4.84E-02	1.00E+00	4.73E-01	2.16E+01	5.97E+00	2.47E-01	2.83E+01	4.59E-01	2.73E-04	5.97E-01	4.84E-02	1.10E+00
3807	487363.09	3852377.25	2.70E-01	3.08E-04	3.39E-01	3.27E-02	6.42E-01	3.57E-01	2.95E+01	3.39E+00	1.67E-01	3.35E+01	3.46E-01	3.73E-04	3.39E-01	3.27E-02	7.19E-01
3808	487863.09	3852377.25	2.72E-01	1.73E-04	1.91E-01	3.52E-02	4.98E-01	3.59E-01	1.66E+01	1.91E+00	1.80E-01	1.90E+01	3.48E-01	2.09E-04	1.91E-01	3.52E-02	5.75E-01
3809	488363.09	3852377.25	2.71E-01	1.24E-04	2.68E-01	3.68E-02	5.76E-01	3.58E-01	1.19E+01	2.68E+00	1.88E-01	1.51E+01	3.48E-01	1.50E-04	2.68E-01	3.68E-02	6.52E-01
3810	488863.09	3852377.25	2.70E-01	1.19E-04	2.11E-01	3.86E-02	5.20E-01	3.57E-01	1.14E+01	2.11E+00	1.97E-01	1.41E+01	3.47E-01	1.44E-04	2.11E-01	3.86E-02	5.97E-01
3811	489363.09	3852377.25	2.70E-01	8.10E-05	2.51E-01	2.84E-02	5.50E-01	3.56E-01	7.77E+00	2.51E+00	1.45E-01	1.08E+01	3.46E-01	9.81E-05	2.51E-01	2.84E-02	6.26E-01
3812	489863.09	3852377.25	2.68E-01	7.65E-05	2.31E-01	2.76E-02	5.27E-01	3.54E-01	7.34E+00	2.31E+00	1.41E-01	1.01E+01	3.43E-01	9.27E-05	2.31E-01	2.76E-02	6.02E-01
3813	490363.09	3852377.25	2.22E-01	9.19E-05	2.45E-01	2.87E-02	4.96E-01	2.93E-01	8.82E+00	2.45E+00	1.47E-01	1.17E+01	2.85E-01	1.11E-04	2.45E-01	2.87E-02	5.58E-01
3814	490863.09	3852377.25	1.77E-01	1.10E-04	1.99E-01	2.80E-02	4.04E-01	2.33E-01	1.05E+01	1.99E+00	1.43E-01	1.29E+01	2.26E-01	1.33E-04	1.99E-01	2.80E-02	4.53E-01
3815	491363.09	3852377.25	2.20E-01	1.69E-04	2.84E-01	3.23E-02	5.36E-01	2.90E-01	1.62E+01	2.84E+00	1.65E-01	1.95E+01	2.82E-01	2.05E-04	2.84E-01	3.23E-02	5.98E-01
3816	491863.09	3852377.25	2.27E-01	1.93E-04	2.27E-01	3.36E-02	4.88E-01	3.00E-01	1.85E+01	2.27E+00	1.72E-01	2.13E+01	2.92E-01	2.34E-04	2.27E-01	3.36E-02	5.52E-01
3817	492363.09	3852377.25	2.28E-01	1.64E-04	2.43E-01	4.24E-02	5.13E-01	3.01E-01	1.57E+01	2.43E+00	2.17E-01	1.87E+01	2.92E-01	1.99E-04	2.43E-01	4.24E-02	5.77E-01
3818	492863.09	3852377.25	2.28E-01	1.38E-04	2.49E-01	4.04E-02	5.17E-01	3.01E-01	1.32E+01	2.49E+00	2.07E-01	1.62E+01	2.92E-01	1.67E-04	2.49E-01	4.04E-02	5.81E-01
3819	493363.09	3852377.25	2.27E-01	2.03E-04	2.02E-01	3.85E-02	4.68E-01	3.00E-01	1.95E+01	2.02E+00	1.97E-01	2.20E+01	2.91E-01	2.46E-04	2.02E-01	3.85E-02	5.32E-01
3820	493863.09	3852377.25	2.27E-01	2.55E-04	2.25E-01	2.72E-02	4.80E-01	3.00E-01	2.44E+01	2.25E+00	1.39E-01	2.71E+01	2.91E-01	3.09E-04	2.25E-01	2.72E-02	5.44E-01
3821	494363.09	3852377.25	2.27E-01	2.04E-04	2.01E-01	2.97E-02	4.57E-01	2.99E-01	1.96E+01	2.01E+00	1.52E-01	2.21E+01	2.90E-01	2.48E-04	2.01E-01	2.97E-02	5.21E-01
3822	494863.09	3852377.25	2.26E-01	1.23E-04	1.59E-01	2.98E-02	4.16E-01	2.99E-01	1.18E+01	1.59E+00	1.52E-01	1.38E+01	2.90E-01	1.49E-04	1.59E-01	2.98E-02	4.79E-01
3823	495363.09	3852377.25	2.28E-01	1.08E-04	1.69E-01	2.97E-02	4.27E-01	3.01E-01	1.03E+01	1.69E+00	1.52E-01	1.25E+01	2.92E-01	1.31E-04	1.69E-01	2.97E-02	4.92E-01
3824	495863.09	3852377.25	2.22E-01	1.07E-04	1.63E-01	2.96E-02	4.16E-01	2.94E-01	1.02E+01	1.63E+00	1.51E-01	1.23E+01	2.85E-01	1.29E-04	1.63E-01	2.96E-02	4.78E-01
3825	496363.09	3852377.25	2.04E-01	8.99E-05	1.49E-01	2.69E-02	3.81E-01	2.70E-01	8.62E+00	1.49E+00	1.38E-01	1.05E+01	2.62E-01	1.09E-04	1.49E-01	2.69E-02	4.38E-01
3826	496863.09	3852377.25	1.59E-01	7.79E-05	1.23E-01	2.35E-02	3.06E-01	2.11E-01	7.47E+00	1.23E+00	1.20E-01	9.03E+00	2.04E-01	9.44E-05	1.23E-01	2.35E-02	3.51E-01
3827	497363.09	3852377.25	1.69E-01	9.59E-05	1.07E-01	2.44E-02	3.00E-01	2.23E-01	9.19E+00	1.07E+00	1.25E-01	1.06E+01	2.16E-01	1.16E-04	1.07E-01	2.44E-02	3.48E-01
3828	497863.09	3852377.25	1.75E-01	9.95E-05	1.50E-01	2.45E-02	3.50E-01	2.32E-01	9.54E+00	1.50E+00	1.25E-01	1.14E+01	2.25E-01	1.20E-04	1.50E-01	2.45E-02	3.99E-01
3829	498363.09	3852377.25	1.80E-01	8.92E-05	1.82E-01	2.32E-02	3.86E-01	2.38E-01	8.55E+00	1.82E+00	1.18E-01	1.07E+01	2.31E-01	1.08E-04	1.82E-01	2.32E-02	4.37E-01
3830	471363.09	3852877.25	5.62E-01	1.94E-04	1.14E-01	3.82E-02	7.15E-01	7.43E-01	1.86E+01	1.14E+00	1.95E-01	2.07E+01	7.21E-01	2.35E-04	1.14E-01	3.82E-02	8.73E-01
3831	471863.09	3852877.25	6.13E-01	1.99E-04	1.06E-01	3.75E-02	7.57E-01	8.10E-01	1.91E+01	1.06E+00	1.91E-01	2.11E+01	7.86E-01	2.41E-04	1.06E-01	3.75E-02	9.30E-01
3832	472363.09	3852877.25	6.51E-01	2.06E-04	1.21E-01	3.88E-02	8.12E-01	8.60E-01	1.97E+01	1.21E+00	1.98E-01	2.20E+01	8.35E-01	2.49E-04	1.21E-01	3.88E-02	9.95E-01
3833	472863.09	3852877.25	6.72E-01	2.19E-04	1.36E-01	4.02E-02	8.48E-01	8.88E-01	2.10E+01	1.36E+00	2.05E-01	2.34E+01	8.61E-01	2.65E-04	1.36E-01	4.02E-02	1.04E+00
3834	473363.09	3852877.25	6.74E-01	2.43E-04	1.65E-01	4.15E-02	8.81E-01	8.90E-01	2.33E+01	1.65E+00	2.12E-01	2.61E+01	8.64E-01	2.95E-04	1.65E-01	4.15E-02	1.07E+00
3835	473863.09	3852877.25	6.54E-01	2.85E-04	2.48E-01	4.27E-02	9.45E-01	8.64E-01	2.73E+01	2.48E+00	2.18E-01	3.09E+01	8.38E-01	3.45E-04	2.48E-01	4.27E-02	1.13E+00
3836	474363.09	3852877.25	9.45E-01	3.32E-04	3.16E-01	5.16E-02	1.31E+00	1.25E+00	3.18E+01	3.16E+00	2.63E-01	3.65E+01	1.21E+00	4.02E-04	3.16E-01	5.16E-02	1.58E+00
3837	474863.09	3852877.25	6.19E-01	2.51E-04	3.20E-01	5.64E-02	9.95E-01	8.17E-01	2.41E+01	3.20E+00	2.88E-01	2.84E+01	7.93E-01	3.05E-04	3.20E-01	5.64E-02	1.17E+00
3838	475363.09	3852877.25	7.52E-01	2.43E-04	2.92E-01	6.03E-02	1.11E+00	9.94E-01	2.33E+01	2.92E+00	3.08E-01	2.76E+01	9.65E-01	2.95E-04	2.92E-01	6.03E-02	1.32E+00
3839	475863.09	3852877.25	8.17E-01	2.48E-04	2.31E-01	5.42E-02	1.10E+00	1.08E+00	2.38E+01	2.31E+00	2.77E-01	2.74E+01	1.05E+00	3.00E-04	2.31E-01	5.42E-02	1.33E+00

3840	476363.09	3852877.25	7.72E-01	3.01E-04	2.78E-01	5.46E-02	1.10E+00	1.02E+00	2.89E+01	2.78E+00	2.79E-01	3.30E+01	9.89E-01	3.65E-04	2.78E-01	5.46E-02	1.32E+00
3841	476863.09	3852877.25	5.99E-01	2.93E-04	2.53E-01	3.39E-02	8.86E-01	7.91E-01	2.81E+01	2.53E+00	1.73E-01	3.15E+01	7.67E-01	3.54E-04	2.53E-01	3.39E-02	1.05E+00
3842	477363.09	3852877.25	4.88E-01	2.51E-04	1.70E-01	3.25E-02	6.91E-01	6.45E-01	2.41E+01	1.70E+00	1.66E-01	2.66E+01	6.26E-01	3.05E-04	1.70E-01	3.25E-02	8.28E-01
3843	477863.09	3852877.25	4.49E-01	2.51E-04	8.82E-02	3.10E-02	5.68E-01	5.93E-01	2.41E+01	8.82E-01	1.58E-01	2.57E+01	5.76E-01	3.05E-04	8.82E-02	3.10E-02	6.95E-01
3844	478363.09	3852877.25	2.73E-01	1.88E-04	8.99E-02	4.49E-02	4.08E-01	3.60E-01	1.80E+01	8.99E-01	2.29E-01	1.95E+01	3.50E-01	2.27E-04	8.99E-02	4.49E-02	4.85E-01
3845	478863.09	3852877.25	2.97E-01	3.29E-04	8.73E-02	6.28E-02	4.48E-01	3.93E-01	3.16E+01	8.73E-01	3.21E-01	3.32E+01	3.81E-01	3.99E-04	8.73E-02	6.28E-02	5.32E-01
3846	479363.09	3852877.25	5.05E-01	4.82E-04	9.17E-02	8.15E-02	6.78E-01	6.67E-01	4.62E+01	9.17E-01	4.16E-01	4.82E+01	6.47E-01	5.84E-04	9.17E-02	8.15E-02	8.21E-01
3847	479863.09	3852877.25	1.64E+00	8.97E-04	9.93E-02	9.42E-02	1.83E+00	2.17E+00	8.61E+01	9.93E-01	4.81E-01	8.97E+01	2.10E+00	1.09E-03	9.93E-02	9.42E-02	2.30E+00
3848	480363.09	3852877.25	1.84E+00	1.49E-03	1.29E-01	9.23E-02	2.06E+00	2.43E+00	1.43E+02	1.29E+00	4.71E-01	1.47E+02	2.36E+00	1.80E-03	1.29E-01	9.23E-02	2.58E+00
3849	480863.09	3852877.25	2.23E+00	1.60E-03	1.74E-01	7.27E-02	2.48E+00	2.94E+00	1.54E+02	1.74E+00	3.71E-01	1.59E+02	2.85E+00	1.94E-03	1.74E-01	7.27E-02	3.10E+00
3850	481363.09	3852877.25	2.17E+00	1.35E-03	2.14E-01	4.52E-02	2.43E+00	2.87E+00	1.30E+02	2.14E+00	2.31E-01	1.35E+02	2.78E+00	1.64E-03	2.14E-01	4.52E-02	3.04E+00
3851	481863.09	3852877.25	2.89E+00	1.04E-03	2.30E-01	9.49E-02	3.22E+00	3.82E+00	9.95E+01	2.30E+00	4.85E-01	1.06E+02	3.71E+00	1.26E-03	2.30E-01	9.49E-02	4.03E+00
3852	482363.09	3852877.25	3.03E+00	1.01E-03	2.12E-01	6.16E-02	3.30E+00	4.00E+00	9.69E+01	2.12E+00	3.15E-01	1.03E+02	3.88E+00	1.22E-03	2.12E-01	6.16E-02	4.15E+00
3853	482863.09	3852877.25	3.44E+00	7.79E-04	1.62E-01	7.19E-02	3.67E+00	4.54E+00	7.47E+01	1.62E+00	3.67E-01	8.12E+01	4.40E+00	9.43E-04	1.62E-01	7.19E-02	4.64E+00
3854	483363.09	3852877.25	2.80E+00	5.99E-04	1.78E-01	6.20E-02	3.04E+00	3.70E+00	5.75E+01	1.78E+00	3.17E-01	6.33E+01	3.59E+00	7.26E-04	1.78E-01	6.20E-02	3.83E+00
3855	483863.09	3852877.25	1.77E+00	2.72E-04	7.18E-01	1.49E-01	2.64E+00	2.34E+00	2.61E+01	7.18E+00	7.64E-01	3.64E+01	2.27E+00	3.29E-04	7.18E-01	1.49E-01	3.14E+00
3856	484363.09	3852877.25	1.43E+00	2.97E-04	1.57E-01	1.49E-01	1.73E+00	1.89E+00	2.85E+01	1.57E+00	7.63E-01	3.27E+01	1.83E+00	3.60E-04	1.57E-01	1.49E-01	2.14E+00
3857	484863.09	3852877.25	1.32E+00	3.77E-04	6.61E-01	6.14E-02	2.04E+00	1.74E+00	3.62E+01	6.61E+00	3.14E-01	4.48E+01	1.69E+00	4.57E-04	6.61E-01	6.14E-02	2.41E+00
3858	485363.09	3852877.25	7.95E-01	3.59E-04	9.84E-01	1.37E-01	1.92E+00	1.05E+00	3.44E+01	9.84E+00	6.98E-01	4.60E+01	1.02E+00	4.35E-04	9.84E-01	1.37E-01	2.14E+00
3859	485863.09	3852877.25	7.86E-01	3.40E-04	2.68E-01	1.01E-01	1.16E+00	1.04E+00	3.26E+01	2.68E+00	5.16E-01	3.68E+01	1.01E+00	4.12E-04	2.68E-01	1.01E-01	1.38E+00
3860	486363.09	3852877.25	2.60E-01	2.25E-04	4.05E-01	6.28E-02	7.28E-01	3.44E-01	2.16E+01	4.05E+00	3.21E-01	2.63E+01	3.34E-01	2.72E-04	4.05E-01	6.28E-02	8.02E-01
3861	486863.09	3852877.25	2.69E-01	2.08E-04	3.97E-01	3.46E-02	7.01E-01	3.56E-01	2.00E+01	3.97E+00	1.77E-01	2.45E+01	3.45E-01	2.52E-04	3.97E-01	3.46E-02	7.77E-01
3862	487363.09	3852877.25	2.72E-01	3.13E-04	2.82E-01	3.74E-02	5.92E-01	3.59E-01	3.00E+01	2.82E+00	1.91E-01	3.34E+01	3.49E-01	3.79E-04	2.82E-01	3.74E-02	6.68E-01
3863	487863.09	3852877.25	2.71E-01	1.99E-04	2.02E-01	3.88E-02	5.13E-01	3.58E-01	1.90E+01	2.02E+00	1.98E-01	2.16E+01	3.48E-01	2.41E-04	2.02E-01	3.88E-02	5.89E-01
3864	488363.09	3852877.25	2.71E-01	1.26E-04	3.09E-01	3.59E-02	6.15E-01	3.57E-01	1.21E+01	3.09E+00	1.83E-01	1.57E+01	3.47E-01	1.52E-04	3.09E-01	3.59E-02	6.91E-01
3865	488863.09	3852877.25	2.70E-01	1.17E-04	2.07E-01	4.03E-02	5.18E-01	3.57E-01	1.12E+01	2.07E+00	2.06E-01	1.38E+01	3.46E-01	1.41E-04	2.07E-01	4.03E-02	5.94E-01
3866	489363.09	3852877.25	2.69E-01	9.45E-05	2.45E-01	2.89E-02	5.43E-01	3.55E-01	9.07E+00	2.45E+00	1.47E-01	1.20E+01	3.45E-01	1.15E-04	2.45E-01	2.89E-02	6.19E-01
3867	489863.09	3852877.25	2.47E-01	9.99E-05	2.27E-01	3.05E-02	5.04E-01	3.26E-01	9.58E+00	2.27E+00	1.56E-01	1.23E+01	3.16E-01	1.21E-04	2.27E-01	3.05E-02	5.74E-01
3868	490363.09	3852877.25	2.25E-01	1.16E-04	2.43E-01	4.54E-02	5.13E-01	2.97E-01	1.12E+01	2.43E+00	2.32E-01	1.41E+01	2.88E-01	1.41E-04	2.43E-01	4.54E-02	5.77E-01
3869	490863.09	3852877.25	2.28E-01	1.59E-04	2.98E-01	4.88E-02	5.75E-01	3.01E-01	1.52E+01	2.98E+00	2.49E-01	1.88E+01	2.92E-01	1.92E-04	2.98E-01	4.88E-02	6.39E-01
3870	491363.09	3852877.25	2.34E-01	1.94E-04	2.76E-01	5.09E-02	5.61E-01	3.09E-01	1.86E+01	2.76E+00	2.60E-01	2.20E+01	3.00E-01	2.35E-04	2.76E-01	5.09E-02	6.27E-01
3871	491863.09	3852877.25	2.30E-01	1.76E-04	2.80E-01	4.24E-02	5.53E-01	3.04E-01	1.69E+01	2.80E+00	2.17E-01	2.02E+01	2.95E-01	2.13E-04	2.80E-01	4.24E-02	6.17E-01
3872	492363.09	3852877.25	2.27E-01	1.68E-04	2.74E-01	3.79E-02	5.39E-01	3.00E-01	1.61E+01	2.74E+00	1.93E-01	1.94E+01	2.91E-01	2.04E-04	2.74E-01	3.79E-02	6.03E-01
3873	492863.09	3852877.25	2.30E-01	1.94E-04	2.48E-01	3.22E-02	5.10E-01	3.04E-01	1.86E+01	2.48E+00	1.65E-01	2.15E+01	2.95E-01	2.34E-04	2.48E-01	3.22E-02	5.75E-01
3874	493363.09	3852877.25	2.30E-01	2.57E-04	4.81E-01	3.54E-02	7.47E-01	3.04E-01	2.47E+01	4.81E+00	1.81E-01	3.00E+01	2.95E-01	3.12E-04	4.81E-01	3.54E-02	8.12E-01
3875	493863.09	3852877.25	2.64E-01	2.24E-04	2.50E-01	3.65E-02	5.51E-01	3.49E-01	2.14E+01	2.50E+00	1.87E-01	2.45E+01	3.39E-01	2.71E-04	2.50E-01	3.65E-02	6.26E-01
3876	494363.09	3852877.25	2.98E-01	1.39E-04	2.16E-01	3.00E-02	5.44E-01	3.94E-01	1.33E+01	2.16E+00	1.53E-01	1.60E+01	3.83E-01	1.68E-04	2.16E-01	3.00E-02	6.29E-01
3877	494863.09	3852877.25	3.25E-01	1.10E-04	1.80E-01	3.06E-02	5.36E-01	4.29E-01	1.05E+01	1.80E+00	1.56E-01	1.29E+01	4.16E-01	1.33E-04	1.80E-01	3.06E-02	6.28E-01
3878	495363.09	3852877.25	3.44E-01	1.08E-04	1.65E-01	3.06E-02	5.39E-01	4.54E-01	1.04E+01	1.65E+00	1.56E-01	1.26E+01	4.40E-01	1.31E-04	1.65E-01	3.06E-02	6.36E-01
3879	495863.09	3852877.25	1.94E-01	9.03E-05	1.47E-01	2.78E-02	3.68E-01	2.56E-01	8.66E+00	1.47E+00	1.42E-01	1.05E+01	2.48E-01	1.09E-04	1.47E-01	2.78E-02	4.23E-01
3880	496363.09	3852877.25	2.18E-01	8.85E-05	1.33E-01	2.39E-02	3.75E-01	2.88E-01	8.49E+00	1.33E+00	1.22E-01	1.02E+01	2.80E-01	1.07E-04	1.33E-01	2.39E-02	4.37E-01
3881	496863.09	3852877.25	1.86E-01	1.00E-04	1.70E-01	2.50E-02	3.81E-01	2.45E-01	9.62E+00	1.70E+00	1.27E-01	1.17E+01	2.38E-01	1.22E-04	1.70E-01	2.50E-02	4.34E-01
3882	497363.09	3852877.25	1.87E-01	9.81E-05	1.91E-01	2.48E-02	4.03E-01	2.48E-01	9.41E+00	1.91E+00	1.27E-01	1.17E+01	2.40E-01	1.19E-04	1.91E-01	2.48E-02	4.56E-01
3883	497863.09	3852877.25	1.88E-01	1.01E-04	2.13E-01	2.34E-02	4.25E-01	2.48E-01	9.70E+00	2.13E+00	1.20E-01	1.22E+01	2.41E-01	1.23E-04	2.13E-01	2.34E-02	4.78E-01
3884	498363.09	3852877.25	1.88E-01	1.14E-04	2.09E-01	2.11E-02	4.18E-01	2.48E-01	1.09E+01	2.09E+00	1.08E-01	1.34E+01	2.40E-01	1.38E-04	2.09E-01	2.11E-02	4.71E-01
3885	471363.09	3853377.25	3.87E-01	2.76E-04	1.48E-01	4.25E-02	5.77E-01	5.11E-01	2.65E+01	1.48E+00	2.17E-01	2.87E+01	4.96E-01	3.35E-04	1.48E-01	4.25E-02	6.87E-01
3886	471863.09	3853377.25	7.90E-01	2.48E-04	1.43E-01	4.23E-02	9.76E-01	1.04E+00	2.38E+01	1.43E+00	2.16E-01	2.65E+01	1.01E+00	3.00E-04	1.43E-01	4.23E-02	1.20E+00
3887	472363.09	3853377.25	7.94E-01	2.18E-04	1.37E-01	4.19E-02	9.73E-01	1.05E+00	2.09E+01	1.37E+00	2.14E-01	2.35E+01	1.02E+00	2.64E-04	1.37E-01	4.19E-02	1.20E+00
3888	472863.09	3853377.25	7.85E-01	2.01E-04	1.28E-01	4.10E-02	9.54E-01	1.04E+00	1.93E+01	1.28E+00	2.10E-01	2.18E+01	1.01E+00	2.44E-04	1.28E-01	4.10E-02	1.18E+00
3889	473363.09	3853377.25	7.62E-01	2.09E-04	1.25E-01	3.98E-02	9.27E-01	1.01E+00	2.00E+01	1.25E+00	2.03E-01	2.25E+01	9.77E-01	2.53E-04	1.25E-01	3.98E-02	1.14E+00
3890	473863.09	3853377.25	7.26E-01	2.26E-04	1.32E-01	3.99E-02	8.98E-01	9.58E-01	2.17E+01	1.32E+00	2.04E-01	2.42E+01	9.30E-01	2.74E-04	1.32E-01	3.99E-02	1.10E+00
3891	474363.09	3853377.25	6.84E-01	2.38E-04	1.49E-01	4.15E-02	8.74E-01	9.03E-01	2.28E+01	1.49E+00	2.12E-01	2.54E+01	8.77E-01	2.88E-04	1.49E-01	4.15E-02	1.07E+00
3892	474863.09	3853377.25	7.06E-01	2.22E-04	1.90E-01	4.32E-02	9.40E-01	9.33E-01	2.13E+01	1.90E+00	2.21E-01	2.43E+01	9.05E-01	2.69E-04	1.90E-01	4.32E-02	1.14E+00
3893	475363.09	3853377.25	7.08E-01	2.11E-04	2.66E-01	4.46E-02	1.02E+00	9.35E-01	2.03E+01	2.66E+00	2.28E-01	2.41E+01	9.08E-01	2.56E-04	2.66E-01	4.46E-02	1.22E+00
3894	475863.09	3853377.25	6.87E-01	1.78E-04	3.11E-01	4.48E-02	1.04E+00	9.07E-01	1.70E+01	3.11E+00	2.29E-01	2.13E+01	8.80E-01	2.15E-04	3.11E-01	4.48E-02	1.24E+00
3895	476363.09	3853377.25	6.39E-01	1.57E-04	2.68E-01	4.28E-02	9.50E-01	8.44E-01	1.50E+01	2.68E+00	2.19E-01	1.88E+01	8.20E-01	1.90E-04	2.68E-01	4.28E-02	1.13E+00
3896	476863.09	3853377.25	4.89E-01	1.33E-04	1.54E-01	3.81E-02	6.81E-01	6.46E-01	1.28E+01	1.54E+00	1.95E-01	1.52E+01	6.27E-01	1.61E-04	1.54E-01	3.81E-02	8.19E-01
3897	477363.09	3853377.25	4.63E-01	1.26E-04	1.87E-01	3.30E-02	6.84E-01	6.12E-01	1.21E+01	1.87E+00	1.69E-01	1.48E+01	5.94E-01	1.53E-04	1.87E-01	3.30E-02	8.14E-01
3898	477863.09	3853377.25	4.03E-01	1.61E-04	1.87E-01	3.45E-02	6.25E-01	5.33E-01	1.55E+01	1.87E+00	1.76E-01	1.80E+01	5.17E-01	1.95E-04	1.87E-01	3.45E-02	7.38E-01
3899	478363.09	3853377.25	3.50E-01	1.63E-04	9.63E-02	3.46E-02	4.81E-01	4.62E-01	1.56E+01	9.63E-01	1.77E-01	1.72E+01	4.48E-01	1.97E-04	9.63E-02	3.46E-02	5.79E-01
3900	478863.09	3853377.25	2.20E-01	1.56E-04	9.52E-02	3.27E-02	3.49E-01	2.91E-01	1.49E+01	9.52E-01	1.67E-01	1.63E+01	2.83E-01	1.89E-04	9.52E-02	3.27E-02	4.11E-01

3901	479363.09	3853377.25	3.11E-01	2.88E-04	9.69E-02	5.94E-02	4.68E-01	4.11E-01	2.76E+01	9.69E-01	3.03E-01	2.93E+01	3.99E-01	3.49E-04	9.69E-02	5.94E-02	5.55E-01
3902	479863.09	3853377.25	8.01E-01	4.69E-04	9.33E-02	8.16E-02	9.77E-01	1.06E+00	4.50E+01	9.33E-01	4.17E-01	4.74E+01	1.03E+00	5.69E-04	9.33E-02	8.16E-02	1.20E+00
3903	480363.09	3853377.25	1.63E+00	9.77E-04	9.91E-02	9.98E-02	1.83E+00	2.16E+00	9.37E+01	9.91E-01	5.10E-01	9.73E+01	2.09E+00	1.18E-03	9.91E-02	9.98E-02	2.29E+00
3904	480863.09	3853377.25	2.04E+00	8.68E-04	1.18E-01	1.02E-01	2.26E+00	2.70E+00	8.32E+01	1.18E+00	5.22E-01	8.77E+01	2.62E+00	1.05E-03	1.18E-01	1.02E-01	2.84E+00
3905	481363.09	3853377.25	2.72E+00	1.34E-03	1.70E-01	8.55E-02	2.98E+00	3.60E+00	1.28E+02	1.70E+00	4.37E-01	1.34E+02	3.49E+00	1.62E-03	1.70E-01	8.55E-02	3.75E+00
3906	481863.09	3853377.25	2.71E+00	1.47E-03	2.20E-01	4.88E-02	2.98E+00	3.58E+00	1.41E+02	2.20E+00	2.49E-01	1.47E+02	3.47E+00	1.78E-03	2.20E-01	4.88E-02	3.74E+00
3907	482363.09	3853377.25	3.21E+00	1.07E-03	2.47E-01	9.78E-02	3.56E+00	4.24E+00	1.02E+02	2.47E+00	5.00E-01	1.09E+02	4.12E+00	1.29E-03	2.47E-01	9.78E-02	4.46E+00
3908	482863.09	3853377.25	3.70E+00	1.01E-03	2.35E-01	7.68E-02	4.01E+00	4.88E+00	9.65E+01	2.35E+00	3.92E-01	1.04E+02	4.74E+00	1.22E-03	2.35E-01	7.68E-02	5.05E+00
3909	483363.09	3853377.25	3.99E+00	7.42E-04	1.80E-01	6.89E-02	4.24E+00	5.28E+00	7.12E+01	1.80E+00	3.52E-01	7.86E+01	5.12E+00	8.99E-04	1.80E-01	6.89E-02	5.37E+00
3910	483863.09	3853377.25	2.99E+00	5.31E-04	2.32E-01	9.40E-02	3.32E+00	3.95E+00	5.10E+01	2.32E+00	4.80E-01	5.77E+01	3.84E+00	6.44E-04	2.32E-01	9.40E-02	4.16E+00
3911	484363.09	3853377.25	2.04E+00	3.49E-04	3.71E-01	1.34E-01	2.54E+00	2.69E+00	3.35E+01	3.71E+00	6.87E-01	4.06E+01	2.61E+00	4.23E-04	3.71E-01	1.34E-01	3.12E+00
3912	484863.09	3853377.25	1.37E+00	3.72E-04	2.40E-01	1.25E-01	1.73E+00	1.80E+00	3.57E+01	2.40E+00	6.39E-01	4.05E+01	1.75E+00	4.50E-04	2.40E-01	1.25E-01	2.12E+00
3913	485363.09	3853377.25	7.92E-01	3.64E-04	1.34E+00	1.70E-01	2.30E+00	1.05E+00	3.49E+01	1.34E+01	8.67E-01	5.02E+01	1.01E+00	4.41E-04	1.34E+00	1.70E-01	2.52E+00
3914	485863.09	3853377.25	3.92E-01	2.60E-04	2.15E-01	5.53E-02	6.63E-01	5.18E-01	2.49E+01	2.15E+00	2.82E-01	2.79E+01	5.03E-01	3.15E-04	2.15E-01	5.53E-02	7.73E-01
3915	486363.09	3853377.25	2.99E-01	2.35E-04	3.36E-01	4.31E-02	6.78E-01	3.94E-01	2.25E+01	3.36E+00	2.20E-01	2.65E+01	3.83E-01	2.84E-04	3.36E-01	4.31E-02	7.62E-01
3916	486863.09	3853377.25	2.72E-01	1.93E-04	2.91E-01	5.24E-02	6.16E-01	3.59E-01	1.85E+01	2.91E+00	2.67E-01	2.21E+01	3.49E-01	2.34E-04	2.91E-01	5.24E-02	6.93E-01
3917	487363.09	3853377.25	2.71E-01	3.13E-04	4.57E-01	4.09E-02	7.70E-01	3.58E-01	3.00E+01	4.57E+00	2.09E-01	3.52E+01	3.48E-01	3.79E-04	4.57E-01	4.09E-02	8.47E-01
3918	487863.09	3853377.25	2.71E-01	2.24E-04	2.15E-01	3.52E-02	5.21E-01	3.58E-01	2.15E+01	2.15E+00	1.80E-01	2.42E+01	3.47E-01	2.72E-04	2.15E-01	3.52E-02	5.97E-01
3919	488363.09	3853377.25	2.70E-01	1.30E-04	2.71E-01	3.28E-02	5.74E-01	3.57E-01	1.24E+01	2.71E+00	1.68E-01	1.57E+01	3.46E-01	1.57E-04	2.71E-01	3.28E-02	6.51E-01
3920	488863.09	3853377.25	2.69E-01	1.13E-04	2.33E-01	5.16E-02	5.54E-01	3.56E-01	1.09E+01	2.33E+00	2.64E-01	1.38E+01	3.45E-01	1.37E-04	2.33E-01	5.16E-02	6.30E-01
3921	489363.09	3853377.25	2.62E-01	1.08E-04	3.78E-01	7.04E-02	7.11E-01	3.46E-01	1.03E+01	3.78E+00	3.60E-01	1.48E+01	3.36E-01	1.30E-04	3.78E-01	7.04E-02	7.84E-01
3922	489863.09	3853377.25	2.35E-01	1.57E-04	3.09E-01	6.82E-02	6.13E-01	3.11E-01	1.51E+01	3.09E+00	3.48E-01	1.88E+01	3.02E-01	1.90E-04	3.09E-01	6.82E-02	6.79E-01
3923	490363.09	3853377.25	2.35E-01	1.58E-04	5.22E-01	6.41E-02	8.21E-01	3.11E-01	1.52E+01	5.22E+00	3.27E-01	2.10E+01	3.02E-01	1.92E-04	5.22E-01	6.41E-02	8.88E-01
3924	490863.09	3853377.25	2.35E-01	1.92E-04	3.23E-01	5.57E-02	6.14E-01	3.10E-01	1.84E+01	3.23E+00	2.84E-01	2.23E+01	3.01E-01	2.33E-04	3.23E-01	5.57E-02	6.81E-01
3925	491363.09	3853377.25	2.31E-01	1.87E-04	2.60E-01	4.23E-02	5.34E-01	3.06E-01	1.80E+01	2.60E+00	2.16E-01	2.11E+01	2.97E-01	2.27E-04	2.60E-01	4.23E-02	5.99E-01
3926	491863.09	3853377.25	2.64E-01	1.59E-04	2.97E-01	4.04E-02	6.02E-01	3.49E-01	1.53E+01	2.97E+00	2.06E-01	1.88E+01	3.39E-01	1.93E-04	2.97E-01	4.04E-02	6.76E-01
3927	492363.09	3853377.25	3.04E-01	1.91E-04	3.17E-01	3.60E-02	6.58E-01	4.02E-01	1.83E+01	3.17E+00	1.84E-01	2.21E+01	3.90E-01	2.32E-04	3.17E-01	3.60E-02	7.44E-01
3928	492863.09	3853377.25	3.34E-01	2.53E-04	7.92E-01	3.40E-02	1.16E+00	4.41E-01	2.42E+01	7.92E+00	1.74E-01	3.28E+01	4.28E-01	3.06E-04	7.92E-01	3.40E-02	1.25E+00
3929	493363.09	3853377.25	3.53E-01	2.43E-04	3.28E-01	3.80E-02	7.20E-01	4.66E-01	2.33E+01	3.28E+00	1.94E-01	2.72E+01	4.53E-01	2.94E-04	3.28E-01	3.80E-02	8.19E-01
3930	493863.09	3853377.25	3.66E-01	1.56E-04	4.50E-01	3.33E-02	8.49E-01	4.83E-01	1.49E+01	4.50E+00	1.70E-01	2.01E+01	4.69E-01	1.89E-04	4.50E-01	3.33E-02	9.52E-01
3931	494363.09	3853377.25	3.73E-01	1.12E-04	1.91E-01	3.15E-02	5.95E-01	4.93E-01	1.07E+01	1.91E+00	1.61E-01	1.33E+01	4.78E-01	1.35E-04	1.91E-01	3.15E-02	7.01E-01
3932	494863.09	3853377.25	3.77E-01	1.10E-04	2.07E-01	3.18E-02	6.16E-01	4.98E-01	1.06E+01	2.07E+00	1.62E-01	1.33E+01	4.83E-01	1.33E-04	2.07E-01	3.18E-02	7.22E-01
3933	495363.09	3853377.25	3.79E-01	9.88E-05	2.24E-01	3.19E-02	6.36E-01	5.01E-01	9.47E+00	2.24E+00	1.63E-01	1.24E+01	4.86E-01	1.20E-04	2.24E-01	3.19E-02	7.43E-01
3934	495863.09	3853377.25	3.80E-01	1.03E-04	2.36E-01	3.03E-02	6.46E-01	5.02E-01	9.86E+00	2.36E+00	1.55E-01	1.29E+01	4.87E-01	1.25E-04	2.36E-01	3.03E-02	7.53E-01
3935	496363.09	3853377.25	2.97E-01	1.05E-04	2.70E-01	2.56E-02	5.93E-01	3.93E-01	1.01E+01	2.70E+00	1.31E-01	1.33E+01	3.81E-01	1.27E-04	2.70E-01	2.56E-02	6.77E-01
3936	496863.09	3853377.25	1.91E-01	1.06E-04	2.90E-01	2.49E-02	5.06E-01	2.52E-01	1.01E+01	2.90E+00	1.27E-01	1.34E+01	2.45E-01	1.28E-04	2.90E-01	2.49E-02	5.60E-01
3937	497363.09	3853377.25	1.86E-01	1.18E-04	2.26E-01	2.28E-02	4.35E-01	2.46E-01	1.13E+01	2.26E+00	1.17E-01	1.39E+01	2.38E-01	1.43E-04	2.26E-01	2.28E-02	4.87E-01
3938	497863.09	3853377.25	1.81E-01	1.42E-04	1.37E-01	2.16E-02	3.40E-01	2.39E-01	1.36E+01	1.37E+00	1.10E-01	1.53E+01	2.32E-01	1.71E-04	1.37E-01	2.16E-02	3.92E-01
3939	498363.09	3853377.25	1.74E-01	1.56E-04	1.03E-01	1.70E-02	2.94E-01	2.30E-01	1.49E+01	1.03E+00	8.71E-02	1.63E+01	2.23E-01	1.89E-04	1.03E-01	1.70E-02	3.43E-01
3940	471363.09	3853877.25	3.49E-01	2.98E-04	2.02E-01	4.23E-02	5.93E-01	4.60E-01	2.86E+01	2.02E+00	2.16E-01	3.13E+01	4.47E-01	3.61E-04	2.02E-01	4.23E-02	6.91E-01
3941	471863.09	3853877.25	6.44E-01	3.14E-04	2.49E-01	4.28E-02	9.36E-01	8.51E-01	3.01E+01	2.49E+00	2.19E-01	3.37E+01	8.26E-01	3.80E-04	2.49E-01	4.28E-02	1.12E+00
3942	472363.09	3853877.25	6.99E-01	3.17E-04	2.50E-01	4.34E-02	9.93E-01	9.24E-01	3.04E+01	2.50E+00	2.22E-01	3.41E+01	8.97E-01	3.84E-04	2.50E-01	4.34E-02	1.19E+00
3943	472863.09	3853877.25	7.48E-01	3.05E-04	2.46E-01	4.39E-02	1.04E+00	9.88E-01	2.93E+01	2.46E+00	2.24E-01	3.29E+01	9.59E-01	3.70E-04	2.46E-01	4.39E-02	1.25E+00
3944	473363.09	3853877.25	7.88E-01	2.80E-04	2.05E-01	4.42E-02	1.04E+00	1.04E+00	2.68E+01	2.05E+00	2.26E-01	3.02E+01	1.01E+00	3.39E-04	2.05E-01	4.42E-02	1.26E+00
3945	473863.09	3853877.25	8.19E-01	2.48E-04	1.58E-01	4.43E-02	1.02E+00	1.08E+00	2.38E+01	1.58E+00	2.26E-01	2.67E+01	1.05E+00	3.00E-04	1.58E-01	4.43E-02	1.25E+00
3946	474363.09	3853877.25	8.39E-01	2.15E-04	1.45E-01	4.94E-02	1.03E+00	1.11E+00	2.06E+01	1.45E+00	2.52E-01	2.35E+01	1.08E+00	2.61E-04	1.45E-01	4.94E-02	1.27E+00
3947	474863.09	3853877.25	8.45E-01	2.11E-04	1.38E-01	4.68E-02	1.03E+00	1.12E+00	2.02E+01	1.38E+00	2.39E-01	2.30E+01	1.08E+00	2.56E-04	1.38E-01	4.68E-02	1.27E+00
3948	475363.09	3853877.25	8.37E-01	2.14E-04	1.44E-01	4.18E-02	1.02E+00	1.11E+00	2.05E+01	1.44E+00	2.14E-01	2.32E+01	1.07E+00	2.59E-04	1.44E-01	4.18E-02	1.26E+00
3949	475863.09	3853877.25	6.66E-01	2.18E-04	1.62E-01	4.18E-02	8.70E-01	8.79E-01	2.09E+01	1.62E+00	2.14E-01	2.36E+01	8.53E-01	2.64E-04	1.62E-01	4.18E-02	1.06E+00
3950	476363.09	3853877.25	5.28E-01	1.32E-04	1.76E-01	3.79E-02	7.42E-01	6.97E-01	1.27E+01	1.76E+00	1.94E-01	1.53E+01	6.77E-01	1.60E-04	1.76E-01	3.79E-02	8.90E-01
3951	476863.09	3853877.25	5.35E-01	1.42E-04	1.33E-01	3.65E-02	7.04E-01	7.06E-01	1.36E+01	1.33E+00	1.87E-01	1.58E+01	6.85E-01	1.72E-04	1.33E-01	3.65E-02	8.55E-01
3952	477363.09	3853877.25	5.35E-01	1.54E-04	1.31E-01	3.48E-02	7.01E-01	7.07E-01	1.48E+01	1.31E+00	1.78E-01	1.70E+01	6.86E-01	1.87E-04	1.31E-01	3.48E-02	8.52E-01
3953	477863.09	3853877.25	5.30E-01	1.42E-04	1.22E-01	3.29E-02	6.85E-01	7.00E-01	1.36E+01	1.22E+00	1.68E-01	1.57E+01	6.79E-01	1.72E-04	1.22E-01	3.29E-02	8.35E-01
3954	478363.09	3853877.25	5.09E-01	1.24E-04	1.28E-01	3.50E-02	6.72E-01	6.72E-01	1.19E+01	1.28E+00	1.79E-01	1.40E+01	6.52E-01	1.50E-04	1.28E-01	3.50E-02	8.15E-01
3955	478863.09	3853877.25	4.54E-01	1.39E-04	8.86E-02	3.68E-02	5.80E-01	6.00E-01	1.34E+01	8.86E-01	1.88E-01	1.50E+01	5.83E-01	1.69E-04	8.86E-02	3.68E-02	7.08E-01
3956	479363.09	3853877.25	3.47E-01	1.67E-04	9.62E-02	3.70E-02	4.80E-01	4.58E-01	1.61E+01	9.62E-01	1.89E-01	1.77E+01	4.45E-01	2.03E-04	9.62E-02	3.70E-02	5.78E-01
3957	479863.09	3853877.25	5.78E-01	3.25E-04	1.21E-01	5.47E-02	7.54E-01	7.63E-01	3.11E+01	1.21E+00	2.79E-01	3.34E+01	7.41E-01	3.93E-04	1.21E-01	5.47E-02	9.17E-01
3958	480363.09	3853877.25	1.19E+00	4.42E-04	1.05E-01	7.98E-02	1.37E+00	1.57E+00	4.24E+01	1.05E+00	4.08E-01	4.54E+01	1.52E+00	5.35E-04	1.05E-01	7.98E-02	1.70E+00
3959	480863.09	3853877.25	1.89E+00	1.05E-03	1.00E-01	1.04E-01	2.10E+00	2.50E+00	1.00E+02	1.00E+00	5.33E-01	1.04E+02	2.42E+00	1.27E-03	1.00E-01	1.04E-01	2.63E+00
3960	481363.09	3853877.25	2.07E+00	1.73E-03	1.09E-01	1.14E-01	2.29E+00	2.73E+00	1.66E+02	1.09E+00	5.81E-01	1.71E+02	2.65E+00	2.10E-03	1.09E-01	1.14E-01	2.88E+00
3961	481863.09	3853877.25	2.55E+00	2.22E-03	1.64E-01	1.15E-01	2.83E+00	3.36E+00	2.13E+02	1.64E+00	5.86E-01	2.18E+02	3.26E+00	2.69E-03	1.64E-01	1.15E-01	3.55E+00

3962	482363.09	3853877.25	3.28E+00	1.52E-03	2.24E-01	1.57E-01	3.67E+00	4.34E+00	1.46E+02	2.24E+00	8.01E-01	1.53E+02	4.21E+00	1.85E-03	2.24E-01	1.57E-01	4.59E+00
3963	482863.09	3853877.25	3.69E+00	1.04E-03	2.65E-01	1.10E-01	4.07E+00	4.88E+00	9.94E+01	2.65E+00	5.61E-01	1.08E+02	4.73E+00	1.26E-03	2.65E-01	1.10E-01	5.11E+00
3964	483363.09	3853877.25	4.99E+00	8.55E-04	2.61E-01	7.57E-02	5.32E+00	6.59E+00	8.20E+01	2.61E+00	3.87E-01	9.16E+01	6.39E+00	1.04E-03	2.61E-01	7.57E-02	6.73E+00
3965	483863.09	3853877.25	4.47E+00	7.56E-04	2.03E-01	8.91E-02	4.77E+00	5.91E+00	7.25E+01	2.03E+00	4.55E-01	8.09E+01	5.73E+00	9.16E-04	2.03E-01	8.91E-02	6.03E+00
3966	484363.09	3853877.25	2.89E+00	3.86E-04	3.86E-01	1.34E-01	3.41E+00	3.82E+00	3.71E+01	3.86E+00	6.83E-01	4.54E+01	3.71E+00	4.68E-04	3.86E-01	1.34E-01	4.23E+00
3967	484863.09	3853877.25	1.07E+00	3.47E-04	7.07E-01	1.64E-01	1.94E+00	1.41E+00	3.33E+01	7.07E+00	8.39E-01	4.26E+01	1.37E+00	4.21E-04	7.07E-01	1.64E-01	2.24E+00
3968	485363.09	3853877.25	6.19E-01	2.66E-04	4.84E-01	9.72E-02	1.20E+00	8.18E-01	2.56E+01	4.84E+00	4.97E-01	3.17E+01	7.94E-01	3.23E-04	4.84E-01	9.72E-02	1.38E+00
3969	485863.09	3853877.25	7.85E-01	2.54E-04	1.06E+00	1.09E-01	1.95E+00	1.04E+00	2.44E+01	1.06E+01	5.57E-01	3.65E+01	1.01E+00	3.08E-04	1.06E+00	1.09E-01	2.17E+00
3970	486363.09	3853877.25	5.44E-01	2.45E-04	3.33E-01	1.18E-01	9.96E-01	7.19E-01	2.35E+01	3.33E+00	6.04E-01	2.82E+01	6.98E-01	2.97E-04	3.33E-01	1.18E-01	1.15E+00
3971	486863.09	3853877.25	2.72E-01	1.82E-04	4.53E-01	5.75E-02	7.82E-01	3.59E-01	1.74E+01	4.53E+00	2.94E-01	2.26E+01	3.48E-01	2.20E-04	4.53E-01	5.75E-02	8.59E-01
3972	487363.09	3853877.25	2.71E-01	3.10E-04	7.92E-01	5.44E-02	1.12E+00	3.58E-01	2.97E+01	7.92E+00	2.78E-01	3.82E+01	3.47E-01	3.75E-04	7.92E-01	5.44E-02	1.19E+00
3973	487863.09	3853877.25	5.41E-01	2.48E-04	2.29E-01	7.79E-02	8.48E-01	7.15E-01	2.38E+01	2.29E+00	3.98E-01	2.72E+01	6.94E-01	3.01E-04	2.29E-01	7.79E-02	1.00E+00
3974	488363.09	3853877.25	5.40E-01	1.34E-04	2.89E-01	8.91E-02	9.18E-01	7.14E-01	1.28E+01	2.89E+00	4.55E-01	1.69E+01	6.93E-01	1.62E-04	2.89E-01	8.91E-02	1.07E+00
3975	488863.09	3853877.25	5.38E-01	2.19E-04	2.76E-01	8.49E-02	8.99E-01	7.10E-01	2.10E+01	2.76E+00	4.34E-01	2.49E+01	6.90E-01	2.66E-04	2.76E-01	8.49E-02	1.05E+00
3976	489363.09	3853877.25	3.79E-01	1.31E-04	4.36E-01	7.30E-02	8.89E-01	5.01E-01	1.26E+01	4.36E+00	3.73E-01	1.78E+01	4.86E-01	1.59E-04	4.36E-01	7.30E-02	9.96E-01
3977	489863.09	3853877.25	2.66E-01	1.79E-04	1.00E+00	6.13E-02	1.33E+00	3.52E-01	1.72E+01	1.00E+01	3.13E-01	2.79E+01	3.42E-01	2.17E-04	1.00E+00	6.13E-02	1.41E+00
3978	490363.09	3853877.25	3.14E-01	1.88E-04	8.77E-01	4.62E-02	1.24E+00	4.14E-01	1.80E+01	8.77E+00	2.36E-01	2.74E+01	4.02E-01	2.27E-04	8.77E-01	4.62E-02	1.33E+00
3979	490863.09	3853877.25	3.45E-01	1.96E-04	2.95E-01	4.69E-02	6.86E-01	4.55E-01	1.88E+01	2.95E+00	2.39E-01	2.25E+01	4.42E-01	2.38E-04	2.95E-01	4.69E-02	7.84E-01
3980	491363.09	3853877.25	3.63E-01	1.60E-04	3.14E-01	6.27E-02	7.41E-01	4.80E-01	1.53E+01	3.14E+00	3.20E-01	1.93E+01	4.66E-01	1.93E-04	3.14E-01	6.27E-02	8.43E-01
3981	491863.09	3853877.25	3.74E-01	1.84E-04	5.81E-01	4.75E-02	1.00E+00	4.94E-01	1.76E+01	5.81E+00	2.43E-01	2.42E+01	4.80E-01	2.23E-04	5.81E-01	4.75E-02	1.11E+00
3982	492363.09	3853877.25	3.81E-01	2.40E-04	9.88E-01	5.88E-02	1.43E+00	5.03E-01	2.30E+01	9.88E+00	3.00E-01	3.37E+01	4.88E-01	2.91E-04	9.88E-01	5.88E-02	1.53E+00
3983	492863.09	3853877.25	4.48E-01	2.60E-04	5.67E-01	6.05E-02	1.08E+00	5.92E-01	2.50E+01	5.67E+00	3.09E-01	3.15E+01	5.74E-01	3.15E-04	5.67E-01	6.05E-02	1.20E+00
3984	493363.09	3853877.25	3.85E-01	1.75E-04	6.68E-01	5.25E-02	1.11E+00	5.09E-01	1.67E+01	6.68E+00	2.68E-01	2.42E+01	4.94E-01	2.11E-04	6.68E-01	5.25E-02	1.21E+00
3985	493863.09	3853877.25	3.85E-01	1.27E-04	2.43E-01	4.05E-02	6.69E-01	5.09E-01	1.22E+01	2.43E+00	2.07E-01	1.53E+01	4.94E-01	1.54E-04	2.43E-01	4.05E-02	7.77E-01
3986	494363.09	3853877.25	3.85E-01	1.12E-04	4.67E-01	3.58E-02	8.88E-01	5.08E-01	1.07E+01	4.67E+00	1.83E-01	1.61E+01	4.93E-01	1.36E-04	4.67E-01	3.58E-02	9.96E-01
3987	494863.09	3853877.25	3.83E-01	1.09E-04	3.33E-01	3.55E-02	7.51E-01	5.06E-01	1.05E+01	3.33E+00	1.81E-01	1.45E+01	4.91E-01	1.32E-04	3.33E-01	3.55E-02	8.60E-01
3988	495363.09	3853877.25	3.79E-01	1.08E-04	3.61E-01	3.49E-02	7.75E-01	5.00E-01	1.04E+01	3.61E+00	1.78E-01	1.47E+01	4.85E-01	1.31E-04	3.61E-01	3.49E-02	8.82E-01
3989	495863.09	3853877.25	3.16E-01	1.06E-04	3.51E-01	2.63E-02	6.93E-01	4.17E-01	1.01E+01	3.51E+00	1.34E-01	1.42E+01	4.05E-01	1.28E-04	3.51E-01	2.63E-02	7.82E-01
3990	496363.09	3853877.25	2.10E-01	1.22E-04	2.68E-01	2.50E-02	5.03E-01	2.77E-01	1.17E+01	2.68E+00	1.28E-01	1.48E+01	2.69E-01	1.48E-04	2.68E-01	2.50E-02	5.62E-01
3991	496863.09	3853877.25	1.72E-01	1.46E-04	2.14E-01	2.22E-02	4.08E-01	2.27E-01	1.40E+01	2.14E+00	1.14E-01	1.64E+01	2.20E-01	1.76E-04	2.14E-01	2.22E-02	4.56E-01
3992	497363.09	3853877.25	1.59E-01	1.59E-04	1.69E-01	2.18E-02	3.50E-01	2.10E-01	1.52E+01	1.69E+00	1.12E-01	1.72E+01	2.04E-01	1.92E-04	1.69E-01	2.18E-02	3.95E-01
3993	497863.09	3853877.25	1.55E-01	1.58E-04	1.27E-01	2.13E-02	3.03E-01	2.05E-01	1.52E+01	1.27E+00	1.09E-01	1.67E+01	1.99E-01	1.92E-04	1.27E-01	2.13E-02	3.47E-01
3994	498363.09	3853877.25	1.52E-01	1.56E-04	1.32E-01	2.13E-02	3.05E-01	2.00E-01	1.49E+01	1.32E+00	1.09E-01	1.65E+01	1.95E-01	1.88E-04	1.32E-01	2.13E-02	3.48E-01
3995	471363.09	3854377.25	3.96E-01	2.45E-04	1.46E-01	4.01E-02	5.82E-01	5.23E-01	2.35E+01	1.46E+00	2.05E-01	2.57E+01	5.08E-01	2.97E-04	1.46E-01	4.01E-02	6.94E-01
3996	471863.09	3854377.25	4.26E-01	2.40E-04	2.05E-01	4.07E-02	6.72E-01	5.63E-01	2.31E+01	2.05E+00	2.08E-01	2.59E+01	5.46E-01	2.91E-04	2.05E-01	4.07E-02	7.92E-01
3997	472363.09	3854377.25	4.42E-01	2.51E-04	2.61E-01	4.12E-02	7.44E-01	5.84E-01	2.41E+01	2.61E+00	2.11E-01	2.75E+01	5.66E-01	3.04E-04	2.61E-01	4.12E-02	8.68E-01
3998	472863.09	3854377.25	4.62E-01	2.75E-04	2.98E-01	4.19E-02	8.02E-01	6.10E-01	2.64E+01	2.98E+00	2.14E-01	3.02E+01	5.92E-01	3.33E-04	2.98E-01	4.19E-02	9.33E-01
3999	473363.09	3854377.25	5.30E-01	3.04E-04	3.39E-01	4.26E-02	9.12E-01	6.99E-01	2.91E+01	3.39E+00	2.18E-01	3.34E+01	6.79E-01	3.68E-04	3.39E-01	4.26E-02	1.06E+00
4000	473863.09	3854377.25	5.99E-01	3.25E-04	3.71E-01	4.34E-02	1.01E+00	7.91E-01	3.11E+01	3.71E+00	2.22E-01	3.58E+01	7.67E-01	3.93E-04	3.71E-01	4.34E-02	1.18E+00
4001	474363.09	3854377.25	6.66E-01	3.28E-04	3.69E-01	4.42E-02	1.08E+00	8.79E-01	3.15E+01	3.69E+00	2.26E-01	3.63E+01	8.53E-01	3.98E-04	3.69E-01	4.42E-02	1.27E+00
4002	474863.09	3854377.25	7.26E-01	3.12E-04	2.62E-01	4.54E-02	1.03E+00	9.59E-01	3.00E+01	2.62E+00	2.32E-01	3.38E+01	9.31E-01	3.78E-04	2.62E-01	4.54E-02	1.24E+00
4003	475363.09	3854377.25	3.89E-01	2.83E-04	1.89E-01	4.68E-02	6.25E-01	5.14E-01	2.71E+01	1.89E+00	2.39E-01	2.98E+01	4.99E-01	3.43E-04	1.89E-01	4.68E-02	7.35E-01
4004	475863.09	3854377.25	4.12E-01	2.47E-04	1.69E-01	4.91E-02	6.30E-01	5.44E-01	2.37E+01	1.69E+00	2.51E-01	2.62E+01	5.28E-01	3.00E-04	1.69E-01	4.91E-02	7.46E-01
4005	476363.09	3854377.25	4.28E-01	2.12E-04	1.58E-01	5.02E-02	6.36E-01	5.66E-01	2.04E+01	1.58E+00	2.57E-01	2.28E+01	5.49E-01	2.57E-04	1.58E-01	5.02E-02	7.57E-01
4006	476863.09	3854377.25	4.39E-01	1.83E-04	1.42E-01	5.01E-02	6.32E-01	5.80E-01	1.75E+01	1.42E+00	2.56E-01	1.98E+01	5.63E-01	2.21E-04	1.42E-01	5.01E-02	7.56E-01
4007	477363.09	3854377.25	4.89E-01	1.60E-04	1.30E-01	4.86E-02	6.67E-01	6.45E-01	1.54E+01	1.30E+00	2.48E-01	1.76E+01	6.26E-01	1.94E-04	1.30E-01	4.86E-02	8.05E-01
4008	477863.09	3854377.25	5.20E-01	1.43E-04	1.40E-01	4.51E-02	7.06E-01	6.87E-01	1.38E+01	1.40E+00	2.30E-01	1.61E+01	6.67E-01	1.74E-04	1.40E-01	4.51E-02	8.52E-01
4009	478363.09	3854377.25	5.33E-01	1.59E-04	1.44E-01	4.11E-02	7.18E-01	7.04E-01	1.53E+01	1.44E+00	2.10E-01	1.76E+01	6.83E-01	1.93E-04	1.44E-01	4.11E-02	8.68E-01
4010	478863.09	3854377.25	5.37E-01	1.51E-04	1.39E-01	3.81E-02	7.14E-01	7.09E-01	1.45E+01	1.39E+00	1.95E-01	1.68E+01	6.88E-01	1.83E-04	1.39E-01	3.81E-02	8.66E-01
4011	479363.09	3854377.25	5.38E-01	1.50E-04	1.68E-01	4.07E-02	7.47E-01	7.11E-01	1.44E+01	1.68E+00	2.08E-01	1.70E+01	6.90E-01	1.82E-04	1.68E-01	4.07E-02	8.98E-01
4012	479863.09	3854377.25	7.58E-01	2.36E-04	2.92E-01	3.97E-02	1.09E+00	1.00E+00	2.27E+01	2.92E+00	2.03E-01	2.68E+01	9.72E-01	2.86E-04	2.92E-01	3.97E-02	1.30E+00
4013	480363.09	3854377.25	8.37E-01	3.84E-04	3.23E-01	4.85E-02	1.21E+00	1.11E+00	3.68E+01	3.23E+00	2.48E-01	4.14E+01	1.07E+00	4.65E-04	3.23E-01	4.85E-02	1.45E+00
4014	480863.09	3854377.25	1.39E+00	4.82E-04	2.03E-01	7.55E-02	1.67E+00	1.84E+00	4.62E+01	2.03E+00	3.86E-01	5.05E+01	1.79E+00	5.84E-04	2.03E-01	7.55E-02	2.07E+00
4015	481363.09	3854377.25	1.83E+00	1.04E-03	1.15E-01	1.07E-01	2.05E+00	2.42E+00	1.00E+02	1.15E+00	5.47E-01	1.04E+02	2.34E+00	1.27E-03	1.15E-01	1.07E-01	2.57E+00
4016	481863.09	3854377.25	2.15E+00	3.05E-03	1.08E-01	1.25E-01	2.38E+00	2.84E+00	2.93E+02	1.08E+00	6.37E-01	2.97E+02	2.75E+00	3.70E-03	1.08E-01	1.25E-01	2.99E+00
4017	482363.09	3854377.25	2.40E+00	2.56E-03	1.52E-01	1.55E-01	2.71E+00	3.17E+00	2.46E+02	1.52E+00	7.92E-01	2.51E+02	3.07E+00	3.10E-03	1.52E-01	1.55E-01	3.38E+00
4018	482863.09	3854377.25	3.70E+00	1.54E-03	2.22E-01	1.53E-01	4.07E+00	4.88E+00	1.47E+02	2.22E+00	7.83E-01	1.55E+02	4.74E+00	1.86E-03	2.22E-01	1.53E-01	5.12E+00
4019	483363.09	3854377.25	5.19E+00	9.44E-04	2.82E-01	1.65E-01	5.64E+00	6.85E+00	9.06E+01	2.82E+00	8.42E-01	1.01E+02	6.65E+00	1.14E-03	2.82E-01	1.65E-01	7.10E+00
4020	483863.09	3854377.25	7.36E+00	5.99E-04	2.92E-01	1.15E-01	7.77E+00	9.72E+00	5.75E+01	2.92E+00	5.88E-01	7.07E+01	9.43E+00	7.26E-04	2.92E-01	1.15E-01	9.84E+00
4021	484363.09	3854377.25	2.86E+00	4.59E-04	2.30E-01	1.35E-01	3.22E+00	3.78E+00	4.41E+01	2.30E+00	6.89E-01	5.08E+01	3.67E+00	5.56E-04	2.30E-01	1.35E-01	4.03E+00
4022	484863.09	3854377.25	8.45E-01	2.96E-04	9.16E-01	1.79E-01	1.94E+00	1.12E+00	2.84E+01	9.16E+00	9.13E-01	3.96E+01	1.08E+00	3.58E-04	9.16E-01	1.79E-01	2.18E+00

4023	485363.09	3854377.25	7.99E-01	3.84E-04	5.50E-01	1.19E-01	1.47E+00	1.06E+00	3.68E+01	5.50E+00	6.10E-01	4.40E+01	1.02E+00	4.65E-04	5.50E-01	1.19E-01	1.69E+00
4024	485863.09	3854377.25	7.87E-01	2.54E-04	1.28E+00	1.99E-01	2.27E+00	1.04E+00	2.44E+01	1.28E+01	1.02E+00	3.93E+01	1.01E+00	3.08E-04	1.28E+00	1.99E-01	2.49E+00
4025	486363.09	3854377.25	7.50E-01	3.53E-04	4.77E-01	1.07E-01	1.33E+00	9.91E-01	3.39E+01	4.77E+00	5.45E-01	4.02E+01	9.62E-01	4.28E-04	4.77E-01	1.07E-01	1.55E+00
4026	486863.09	3854377.25	5.44E-01	1.81E-04	6.56E-01	1.25E-01	1.33E+00	7.18E-01	1.73E+01	6.56E+00	6.38E-01	2.53E+01	6.97E-01	2.19E-04	6.56E-01	1.25E-01	1.48E+00
4027	487363.09	3854377.25	5.43E-01	3.02E-04	1.37E+00	1.46E-01	2.06E+00	7.18E-01	2.89E+01	1.37E+01	7.47E-01	4.41E+01	6.96E-01	3.65E-04	1.37E+00	1.46E-01	2.22E+00
4028	487863.09	3854377.25	5.44E-01	2.70E-04	2.43E-01	1.41E-01	9.28E-01	7.18E-01	2.59E+01	2.43E+00	7.20E-01	2.98E+01	6.97E-01	3.27E-04	2.43E-01	1.41E-01	1.08E+00
4029	488363.09	3854377.25	5.43E-01	2.48E-04	2.82E-01	1.28E-01	9.53E-01	7.17E-01	2.38E+01	2.82E+00	6.53E-01	2.80E+01	6.96E-01	3.01E-04	2.82E-01	1.28E-01	1.11E+00
4030	488863.09	3854377.25	4.69E-01	2.12E-04	3.54E-01	1.04E-01	9.27E-01	6.20E-01	2.03E+01	3.54E+00	5.33E-01	2.50E+01	6.01E-01	2.57E-04	3.54E-01	1.04E-01	1.06E+00
4031	489363.09	3854377.25	4.61E-01	1.49E-04	8.36E-01	8.83E-02	1.39E+00	6.08E-01	1.43E+01	8.36E+00	4.51E-01	2.37E+01	5.91E-01	1.80E-04	8.36E-01	8.83E-02	1.52E+00
4032	489863.09	3854377.25	4.59E-01	1.86E-04	1.96E+00	7.22E-02	2.50E+00	6.07E-01	1.78E+01	1.96E+01	3.69E-01	3.84E+01	5.89E-01	2.25E-04	1.96E+00	7.22E-02	2.63E+00
4033	490363.09	3854377.25	4.57E-01	2.01E-04	4.91E-01	8.27E-02	1.03E+00	6.04E-01	1.93E+01	4.91E+00	4.23E-01	2.52E+01	5.87E-01	2.44E-04	4.91E-01	8.27E-02	1.16E+00
4034	490863.09	3854377.25	3.86E-01	1.60E-04	3.16E-01	8.76E-02	7.89E-01	5.10E-01	1.53E+01	3.16E+00	4.48E-01	1.94E+01	4.95E-01	1.93E-04	3.16E-01	8.76E-02	8.98E-01
4035	491363.09	3854377.25	4.53E-01	1.97E-04	8.51E-01	6.51E-02	1.37E+00	5.98E-01	1.89E+01	8.51E+00	3.32E-01	2.83E+01	5.80E-01	2.38E-04	8.51E-01	6.51E-02	1.50E+00
4036	491863.09	3854377.25	4.53E-01	2.20E-04	1.40E+00	7.05E-02	1.92E+00	5.98E-01	2.11E+01	1.40E+01	3.60E-01	3.60E+01	5.80E-01	2.66E-04	1.40E+00	7.05E-02	2.05E+00
4037	492363.09	3854377.25	4.25E-01	2.74E-04	8.25E-01	7.88E-02	1.33E+00	5.62E-01	2.63E+01	8.25E+00	4.03E-01	3.55E+01	5.45E-01	3.32E-04	8.25E-01	7.88E-02	1.45E+00
4038	492863.09	3854377.25	4.09E-01	2.25E-04	7.18E-01	7.35E-02	1.20E+00	5.41E-01	2.16E+01	7.18E+00	3.75E-01	2.97E+01	5.25E-01	2.73E-04	7.18E-01	7.35E-02	1.32E+00
4039	493363.09	3854377.25	3.86E-01	2.25E-04	5.92E-01	5.95E-02	1.04E+00	5.11E-01	2.16E+01	5.92E+00	3.04E-01	2.83E+01	4.95E-01	2.73E-04	5.92E-01	5.95E-02	1.15E+00
4040	493863.09	3854377.25	3.83E-01	1.70E-04	8.15E-01	5.42E-02	1.25E+00	5.06E-01	1.63E+01	8.15E+00	2.77E-01	2.53E+01	4.91E-01	2.06E-04	8.15E-01	5.42E-02	1.36E+00
4041	494363.09	3854377.25	3.76E-01	1.76E-04	7.53E-01	3.94E-02	1.17E+00	4.97E-01	1.69E+01	7.53E+00	2.01E-01	2.51E+01	4.82E-01	2.14E-04	7.53E-01	3.94E-02	1.27E+00
4042	494863.09	3854377.25	3.61E-01	1.16E-04	5.25E-01	3.16E-02	9.17E-01	4.76E-01	1.11E+01	5.25E+00	1.61E-01	1.70E+01	4.62E-01	1.40E-04	5.25E-01	3.16E-02	1.02E+00
4043	495363.09	3854377.25	2.11E-01	1.26E-04	3.20E-01	2.70E-02	5.58E-01	2.78E-01	1.21E+01	3.20E+00	1.38E-01	1.57E+01	2.70E-01	1.52E-04	3.20E-01	2.70E-02	6.17E-01
4044	495863.09	3854377.25	1.73E-01	1.50E-04	2.32E-01	2.54E-02	4.30E-01	2.29E-01	1.44E+01	2.32E+00	1.30E-01	1.70E+01	2.22E-01	1.81E-04	2.32E-01	2.54E-02	4.79E-01
4045	496363.09	3854377.25	1.73E-01	1.61E-04	1.75E-01	2.36E-02	3.72E-01	2.28E-01	1.54E+01	1.75E+00	1.20E-01	1.75E+01	2.22E-01	1.95E-04	1.75E-01	2.36E-02	4.21E-01
4046	496863.09	3854377.25	1.86E-01	1.58E-04	1.40E-01	2.40E-02	3.49E-01	2.45E-01	1.51E+01	1.40E+00	1.23E-01	1.69E+01	2.38E-01	1.91E-04	1.40E-01	2.40E-02	4.02E-01
4047	497363.09	3854377.25	1.98E-01	1.54E-04	1.50E-01	2.40E-02	3.72E-01	2.61E-01	1.48E+01	1.50E+00	1.23E-01	1.67E+01	2.54E-01	1.87E-04	1.50E-01	2.40E-02	4.28E-01
4048	497863.09	3854377.25	2.09E-01	1.63E-04	1.52E-01	2.40E-02	3.86E-01	2.77E-01	1.56E+01	1.52E+00	1.23E-01	1.75E+01	2.68E-01	1.97E-04	1.52E-01	2.40E-02	4.45E-01
4049	498363.09	3854377.25	2.21E-01	1.75E-04	1.48E-01	2.40E-02	3.93E-01	2.91E-01	1.68E+01	1.48E+00	1.23E-01	1.87E+01	2.83E-01	2.12E-04	1.48E-01	2.40E-02	4.55E-01
4050	471363.09	3854877.25	3.47E-01	3.29E-04	1.30E-01	3.80E-02	5.16E-01	4.59E-01	3.15E+01	1.30E+00	1.94E-01	3.35E+01	4.45E-01	3.98E-04	1.30E-01	3.80E-02	6.14E-01
4051	471863.09	3854877.25	3.82E-01	3.10E-04	1.30E-01	4.06E-02	5.53E-01	5.04E-01	2.97E+01	1.30E+00	2.08E-01	3.18E+01	4.90E-01	3.76E-04	1.30E-01	4.06E-02	6.61E-01
4052	472363.09	3854877.25	4.09E-01	2.84E-04	1.33E-01	4.72E-02	5.90E-01	5.41E-01	2.72E+01	1.33E+00	2.41E-01	2.94E+01	5.25E-01	3.44E-04	1.33E-01	4.72E-02	7.05E-01
4053	472863.09	3854877.25	4.19E-01	2.56E-04	1.46E-01	4.66E-02	6.12E-01	5.54E-01	2.46E+01	1.46E+00	2.38E-01	2.68E+01	5.38E-01	3.10E-04	1.46E-01	4.66E-02	7.30E-01
4054	473363.09	3854877.25	4.53E-01	2.47E-04	1.99E-01	5.86E-02	7.11E-01	5.99E-01	2.37E+01	1.99E+00	2.99E-01	2.66E+01	5.81E-01	2.99E-04	1.99E-01	5.86E-02	8.39E-01
4055	473863.09	3854877.25	4.81E-01	2.51E-04	2.76E-01	6.83E-02	8.26E-01	6.35E-01	2.40E+01	2.76E+00	3.49E-01	2.78E+01	6.17E-01	3.04E-04	2.76E-01	6.83E-02	9.62E-01
4056	474363.09	3854877.25	5.17E-01	2.60E-04	3.75E-01	8.20E-02	9.75E-01	6.83E-01	2.49E+01	3.75E+00	4.19E-01	2.98E+01	6.63E-01	3.15E-04	3.75E-01	8.20E-02	1.12E+00
4057	474863.09	3854877.25	4.15E-01	2.74E-04	4.10E-01	5.96E-02	8.85E-01	5.48E-01	2.63E+01	4.10E+00	3.04E-01	3.12E+01	5.32E-01	3.32E-04	4.10E-01	5.96E-02	1.00E+00
4058	475363.09	3854877.25	2.56E-01	3.12E-04	2.00E-01	4.40E-02	5.00E-01	3.38E-01	2.99E+01	2.00E+00	2.25E-01	3.25E+01	3.28E-01	3.78E-04	2.00E-01	4.40E-02	5.72E-01
4059	475863.09	3854877.25	2.64E-01	3.38E-04	2.07E-01	4.57E-02	5.17E-01	3.49E-01	3.24E+01	2.07E+00	2.33E-01	3.50E+01	3.39E-01	4.09E-04	2.07E-01	4.57E-02	5.92E-01
4060	476363.09	3854877.25	3.04E-01	3.40E-04	2.15E-01	5.03E-02	5.69E-01	4.01E-01	3.26E+01	2.15E+00	2.57E-01	3.54E+01	3.89E-01	4.12E-04	2.15E-01	5.03E-02	6.55E-01
4061	476863.09	3854877.25	3.42E-01	3.19E-04	2.13E-01	5.36E-02	6.09E-01	4.51E-01	3.06E+01	2.13E+00	2.74E-01	3.35E+01	4.38E-01	3.86E-04	2.13E-01	5.36E-02	7.06E-01
4062	477363.09	3854877.25	3.77E-01	2.85E-04	2.03E-01	5.56E-02	6.35E-01	4.97E-01	2.73E+01	2.03E+00	2.84E-01	3.01E+01	4.83E-01	3.45E-04	2.03E-01	5.56E-02	7.42E-01
4063	477863.09	3854877.25	4.06E-01	2.46E-04	1.87E-01	5.73E-02	6.51E-01	5.36E-01	2.36E+01	1.87E+00	2.93E-01	2.63E+01	5.21E-01	2.98E-04	1.87E-01	5.73E-02	7.66E-01
4064	478363.09	3854877.25	4.29E-01	2.09E-04	1.64E-01	5.63E-02	6.50E-01	5.67E-01	2.00E+01	1.64E+00	2.88E-01	2.25E+01	5.50E-01	2.53E-04	1.64E-01	5.63E-02	7.71E-01
4065	478863.09	3854877.25	4.49E-01	1.78E-04	1.99E-01	5.25E-02	7.00E-01	5.93E-01	1.71E+01	1.99E+00	2.68E-01	1.99E+01	5.75E-01	2.16E-04	1.99E-01	5.25E-02	8.27E-01
4066	479363.09	3854877.25	9.09E-01	2.09E-04	2.75E-01	4.73E-02	1.23E+00	1.20E+00	2.01E+01	2.75E+00	2.42E-01	2.42E+01	1.17E+00	2.53E-04	2.75E-01	4.73E-02	1.49E+00
4067	479863.09	3854877.25	9.25E-01	2.70E-04	4.82E-01	7.88E-02	1.49E+00	1.22E+00	2.59E+01	4.82E+00	4.02E-01	3.23E+01	1.19E+00	3.27E-04	4.82E-01	7.88E-02	1.75E+00
4068	480363.09	3854877.25	1.08E+00	3.97E-04	4.58E-01	1.37E-01	1.68E+00	1.43E+00	3.81E+01	4.58E+00	7.00E-01	4.48E+01	1.39E+00	4.81E-04	4.58E-01	1.37E-01	1.98E+00
4069	480863.09	3854877.25	1.25E+00	7.93E-04	4.24E-01	1.30E-01	1.81E+00	1.65E+00	7.61E+01	4.24E+00	6.66E-01	8.26E+01	1.60E+00	9.61E-04	4.24E-01	1.30E-01	2.16E+00
4070	481363.09	3854877.25	1.52E+00	9.50E-04	3.94E-01	9.07E-02	2.01E+00	2.01E+00	9.11E+01	3.94E+00	4.63E-01	9.75E+01	1.95E+00	1.15E-03	3.94E-01	9.07E-02	2.44E+00
4071	481863.09	3854877.25	1.70E+00	6.45E-04	2.36E-01	1.07E-01	2.04E+00	2.24E+00	6.19E+01	2.36E+00	5.47E-01	6.70E+01	2.18E+00	7.82E-04	2.36E-01	1.07E-01	2.52E+00
4072	482363.09	3854877.25	2.04E+00	3.83E-03	1.26E-01	1.32E-01	2.30E+00	2.70E+00	3.67E+02	1.26E+00	6.76E-01	3.71E+02	2.62E+00	4.63E-03	1.26E-01	1.32E-01	2.88E+00
4073	482863.09	3854877.25	2.61E+00	2.47E-03	1.33E-01	1.55E-01	2.90E+00	3.45E+00	2.37E+02	1.33E+00	7.89E-01	2.43E+02	3.35E+00	3.00E-03	1.33E-01	1.55E-01	3.64E+00
4074	483363.09	3854877.25	3.50E+00	1.67E-03	2.14E-01	1.56E-01	3.88E+00	4.63E+00	1.60E+02	2.14E+00	7.97E-01	1.68E+02	4.49E+00	2.02E-03	2.14E-01	1.56E-01	4.86E+00
4075	483863.09	3854877.25	6.75E+00	8.90E-04	2.96E-01	1.36E-01	7.19E+00	8.92E+00	8.53E+01	2.96E+00	6.95E-01	9.79E+01	8.66E+00	1.08E-03	2.96E-01	1.36E-01	9.09E+00
4076	484363.09	3854877.25	1.01E+01	5.85E-04	3.29E-01	1.81E-01	1.06E+01	1.33E+01	5.61E+01	3.29E+00	9.23E-01	7.37E+01	1.29E+01	7.09E-04	3.29E-01	1.81E-01	1.35E+01
4077	484863.09	3854877.25	3.52E+00	4.04E-04	2.66E-01	1.43E-01	3.93E+00	4.65E+00	3.88E+01	2.66E+00	7.32E-01	4.68E+01	4.51E+00	4.90E-04	2.66E-01	1.43E-01	4.92E+00
4078	485363.09	3854877.25	1.90E+00	3.88E-04	9.24E-01	2.64E-01	3.09E+00	2.51E+00	3.72E+01	9.24E+00	1.35E+00	5.03E+01	2.43E+00	4.70E-04	9.24E-01	2.64E-01	3.62E+00
4079	485863.09	3854877.25	1.16E+00	3.66E-04	3.80E-01	2.25E-01	1.76E+00	1.53E+00	3.51E+01	3.80E+00	1.15E+00	4.16E+01	1.49E+00	4.43E-04	3.80E-01	2.25E-01	2.09E+00
4080	486363.09	3854877.25	7.86E-01	3.58E-04	1.81E+00	2.57E-01	2.86E+00	1.04E+00	3.43E+01	1.81E+01	1.31E+00	5.48E+01	1.01E+00	4.34E-04	1.81E+00	2.57E-01	3.08E+00
4081	486863.09	3854877.25	5.47E-01	3.10E-04	4.41E-01	2.20E-01	1.21E+00	7.22E-01	2.97E+01	4.41E+00	1.12E+00	3.60E+01	7.01E-01	3.76E-04	4.41E-01	2.20E-01	1.36E+00
4082	487363.09	3854877.25	5.47E-01	2.89E-04	1.21E+00	1.60E-01	1.92E+00	7.22E-01	2.77E+01	1.21E+01	8.17E-01	4.14E+01	7.01E-01	3.50E-04	1.21E+00	1.60E-01	2.07E+00
4083	487863.09	3854877.25	5.46E-01	2.89E-04	3.35E-01	1.22E-01	1.00E+00	7.22E-01	2.77E+01	3.35E+00	6.24E-01	3.24E+01	7.01E-01	3.51E-04	3.35E-01	1.22E-01	1.16E+00

4084	488363.09	3854877.25	6.33E-01	2.58E-04	2.89E-01	1.13E-01	1.04E+00	8.36E-01	2.48E+01	2.89E+00	5.76E-01	2.91E+01	8.11E-01	3.13E-04	2.89E-01	1.13E-01	1.21E+00
4085	488863.09	3854877.25	7.08E-01	2.14E-04	4.64E-01	1.00E-01	1.27E+00	9.35E-01	2.05E+01	4.64E+00	5.11E-01	2.66E+01	9.08E-01	2.59E-04	4.64E-01	1.00E-01	1.47E+00
4086	489363.09	3854877.25	7.06E-01	1.96E-04	1.05E+00	1.06E-01	1.87E+00	9.33E-01	1.88E+01	1.05E+01	5.40E-01	3.08E+01	9.06E-01	2.37E-04	1.05E+00	1.06E-01	2.07E+00
4087	489863.09	3854877.25	6.28E-01	2.12E-04	1.36E+00	1.14E-01	2.10E+00	8.30E-01	2.03E+01	1.36E+01	5.81E-01	3.53E+01	8.06E-01	2.56E-04	1.36E+00	1.14E-01	2.28E+00
4088	490363.09	3854877.25	5.39E-01	1.78E-04	2.99E-01	8.20E-02	9.20E-01	7.12E-01	1.71E+01	2.99E+00	4.19E-01	2.12E+01	6.91E-01	2.15E-04	2.99E-01	8.20E-02	1.07E+00
4089	490863.09	3854877.25	3.83E-01	1.72E-04	2.84E-01	4.50E-02	7.12E-01	5.05E-01	1.65E+01	2.84E+00	2.30E-01	2.01E+01	4.91E-01	2.08E-04	2.84E-01	4.50E-02	8.20E-01
4090	491363.09	3854877.25	3.83E-01	2.07E-04	6.57E-01	4.39E-02	1.08E+00	5.06E-01	1.99E+01	6.57E+00	2.24E-01	2.72E+01	4.91E-01	2.51E-04	6.57E-01	4.39E-02	1.19E+00
4091	491863.09	3854877.25	6.30E-01	2.82E-04	1.01E+00	9.93E-02	1.74E+00	8.32E-01	2.70E+01	1.01E+01	5.07E-01	3.84E+01	8.08E-01	3.42E-04	1.01E+00	9.93E-02	1.91E+00
4092	492363.09	3854877.25	6.53E-01	2.22E-04	5.32E-01	1.02E-01	1.29E+00	8.63E-01	2.13E+01	5.32E+00	5.23E-01	2.80E+01	8.38E-01	2.69E-04	5.32E-01	1.02E-01	1.47E+00
4093	492863.09	3854877.25	6.72E-01	2.09E-04	1.14E+00	9.43E-02	1.90E+00	8.88E-01	2.00E+01	1.14E+01	4.82E-01	3.27E+01	8.62E-01	2.53E-04	1.14E+00	9.43E-02	2.09E+00
4094	493363.09	3854877.25	6.88E-01	1.92E-04	1.14E+00	9.09E-02	1.92E+00	9.09E-01	1.84E+01	1.14E+01	4.64E-01	3.12E+01	8.82E-01	2.33E-04	1.14E+00	9.09E-02	2.11E+00
4095	493863.09	3854877.25	7.03E-01	1.86E-04	1.19E+00	5.98E-02	1.95E+00	9.28E-01	1.79E+01	1.19E+01	3.06E-01	3.10E+01	9.01E-01	2.26E-04	1.19E+00	5.98E-02	2.15E+00
4096	494363.09	3854877.25	3.57E-01	1.30E-04	7.29E-01	4.82E-02	1.13E+00	4.71E-01	1.25E+01	7.29E+00	2.46E-01	2.05E+01	4.57E-01	1.57E-04	7.29E-01	4.82E-02	1.23E+00
4097	494863.09	3854877.25	3.63E-01	1.54E-04	3.46E-01	3.05E-02	7.40E-01	4.80E-01	1.48E+01	3.46E+00	1.56E-01	1.89E+01	4.66E-01	1.87E-04	3.46E-01	3.05E-02	8.42E-01
4098	495363.09	3854877.25	3.70E-01	1.63E-04	1.99E-01	3.07E-02	5.99E-01	4.88E-01	1.57E+01	1.99E+00	1.57E-01	1.83E+01	4.74E-01	1.98E-04	1.99E-01	3.07E-02	7.03E-01
4099	495863.09	3854877.25	3.75E-01	1.57E-04	1.59E-01	3.07E-02	5.65E-01	4.96E-01	1.50E+01	1.59E+00	1.57E-01	1.73E+01	4.81E-01	1.90E-04	1.59E-01	3.07E-02	6.71E-01
4100	496363.09	3854877.25	3.80E-01	1.53E-04	1.71E-01	3.06E-02	5.82E-01	5.02E-01	1.47E+01	1.71E+00	1.57E-01	1.71E+01	4.87E-01	1.86E-04	1.71E-01	3.06E-02	6.89E-01
4101	496863.09	3854877.25	3.85E-01	1.64E-04	1.68E-01	3.03E-02	5.83E-01	5.08E-01	1.57E+01	1.68E+00	1.55E-01	1.81E+01	4.93E-01	1.99E-04	1.68E-01	3.03E-02	6.92E-01
4102	497363.09	3854877.25	3.89E-01	1.77E-04	1.55E-01	2.86E-02	5.73E-01	5.14E-01	1.70E+01	1.55E+00	1.46E-01	1.92E+01	4.99E-01	2.15E-04	1.55E-01	2.86E-02	6.83E-01
4103	497863.09	3854877.25	3.93E-01	1.80E-04	1.39E-01	2.95E-02	5.62E-01	5.19E-01	1.72E+01	1.39E+00	1.51E-01	1.93E+01	5.04E-01	2.18E-04	1.39E-01	2.95E-02	6.73E-01
4104	498363.09	3854877.25	3.97E-01	1.68E-04	1.39E-01	2.92E-02	5.65E-01	5.24E-01	1.61E+01	1.39E+00	1.49E-01	1.82E+01	5.09E-01	2.03E-04	1.39E-01	2.92E-02	6.77E-01
4105	471363.09	3855377.25	3.43E-01	3.10E-04	3.17E-01	3.62E-02	6.97E-01	4.54E-01	2.97E+01	3.17E+00	1.85E-01	3.35E+01	4.40E-01	3.75E-04	3.17E-01	3.62E-02	7.94E-01
4106	471863.09	3855377.25	3.50E-01	3.30E-04	3.08E-01	3.67E-02	6.95E-01	4.62E-01	3.16E+01	3.08E+00	1.87E-01	3.53E+01	4.49E-01	3.99E-04	3.08E-01	3.67E-02	7.94E-01
4107	472363.09	3855377.25	3.72E-01	3.43E-04	3.23E-01	3.76E-02	7.33E-01	4.91E-01	3.29E+01	3.23E+00	1.92E-01	3.68E+01	4.77E-01	4.15E-04	3.23E-01	3.76E-02	8.38E-01
4108	472863.09	3855377.25	3.75E-01	3.46E-04	2.94E-01	3.82E-02	7.08E-01	4.96E-01	3.32E+01	2.94E+00	1.95E-01	3.68E+01	4.81E-01	4.19E-04	2.94E-01	3.82E-02	8.14E-01
4109	473363.09	3855377.25	4.06E-01	3.37E-04	3.00E-01	4.15E-02	7.48E-01	5.36E-01	3.23E+01	3.00E+00	2.12E-01	3.61E+01	5.21E-01	4.08E-04	3.00E-01	4.15E-02	8.62E-01
4110	473863.09	3855377.25	4.28E-01	3.16E-04	2.77E-01	5.32E-02	7.58E-01	5.65E-01	3.03E+01	2.77E+00	2.72E-01	3.39E+01	5.48E-01	3.82E-04	2.77E-01	5.32E-02	8.78E-01
4111	474363.09	3855377.25	4.45E-01	3.05E-04	4.22E-01	1.16E-01	9.83E-01	5.87E-01	2.92E+01	4.22E+00	5.93E-01	3.46E+01	5.70E-01	3.69E-04	4.22E-01	1.16E-01	1.11E+00
4112	474863.09	3855377.25	3.64E-01	2.51E-04	2.05E-01	6.02E-02	6.29E-01	4.81E-01	2.40E+01	2.05E+00	3.08E-01	2.69E+01	4.67E-01	3.04E-04	2.05E-01	6.02E-02	7.32E-01
4113	475363.09	3855377.25	2.38E-01	2.47E-04	1.75E-01	4.23E-02	4.56E-01	3.14E-01	2.37E+01	1.75E+00	2.16E-01	2.60E+01	3.05E-01	3.00E-04	1.75E-01	4.23E-02	5.23E-01
4114	475863.09	3855377.25	1.84E-01	2.57E-04	1.95E-01	4.46E-02	4.24E-01	2.43E-01	2.47E+01	1.95E+00	2.28E-01	2.71E+01	2.36E-01	3.12E-04	1.95E-01	4.46E-02	4.76E-01
4115	476363.09	3855377.25	1.87E-01	2.65E-04	2.09E-01	4.55E-02	4.42E-01	2.47E-01	2.54E+01	2.09E+00	2.32E-01	2.79E+01	2.40E-01	3.21E-04	2.09E-01	4.55E-02	4.95E-01
4116	476863.09	3855377.25	1.90E-01	2.73E-04	2.24E-01	4.72E-02	4.61E-01	2.50E-01	2.62E+01	2.24E+00	2.41E-01	2.89E+01	2.43E-01	3.30E-04	2.24E-01	4.72E-02	5.15E-01
4117	477363.09	3855377.25	1.92E-01	3.23E-04	2.35E-01	4.83E-02	4.76E-01	2.54E-01	3.10E+01	2.35E+00	2.47E-01	3.38E+01	2.47E-01	3.91E-04	2.35E-01	4.83E-02	5.30E-01
4118	477863.09	3855377.25	2.40E-01	3.54E-04	2.37E-01	4.87E-02	5.27E-01	3.17E-01	3.39E+01	2.37E+00	2.49E-01	3.69E+01	3.08E-01	4.29E-04	2.37E-01	4.87E-02	5.95E-01
4119	478363.09	3855377.25	2.65E-01	3.52E-04	2.34E-01	4.90E-02	5.49E-01	3.50E-01	3.37E+01	2.34E+00	2.50E-01	3.67E+01	3.40E-01	4.26E-04	2.34E-01	4.90E-02	6.23E-01
4120	478863.09	3855377.25	3.12E-01	3.24E-04	2.25E-01	5.03E-02	5.87E-01	4.12E-01	3.10E+01	2.25E+00	2.57E-01	3.40E+01	4.00E-01	3.92E-04	2.25E-01	5.03E-02	6.75E-01
4121	479363.09	3855377.25	7.13E-01	2.85E-04	2.06E-01	5.27E-02	9.73E-01	9.42E-01	2.74E+01	2.06E+00	2.69E-01	3.07E+01	9.15E-01	3.46E-04	2.06E-01	5.27E-02	1.17E+00
4122	479863.09	3855377.25	7.94E-01	2.45E-04	1.97E-01	6.93E-02	1.06E+00	1.05E+00	2.35E+01	1.97E+00	3.54E-01	2.69E+01	1.02E+00	2.97E-04	1.97E-01	6.93E-02	1.28E+00
4123	480363.09	3855377.25	8.62E-01	3.11E-04	3.09E-01	1.90E-01	1.36E+00	1.14E+00	2.99E+01	3.09E+00	9.71E-01	3.51E+01	1.10E+00	3.77E-04	3.09E-01	1.90E-01	1.60E+00
4124	480863.09	3855377.25	1.11E+00	6.08E-04	4.74E-01	1.38E-01	1.72E+00	1.47E+00	5.83E+01	4.74E+00	7.03E-01	6.52E+01	1.43E+00	7.36E-04	4.74E-01	1.38E-01	2.04E+00
4125	481363.09	3855377.25	1.32E+00	1.27E-03	4.10E-01	1.39E-01	1.87E+00	1.74E+00	1.22E+02	4.10E+00	7.12E-01	1.28E+02	1.69E+00	1.54E-03	4.10E-01	1.39E-01	2.24E+00
4126	481863.09	3855377.25	1.44E+00	2.28E-03	3.64E-01	1.33E-01	1.94E+00	1.91E+00	2.18E+02	3.64E+00	6.77E-01	2.25E+02	1.85E+00	2.76E-03	3.64E-01	1.33E-01	2.35E+00
4127	482363.09	3855377.25	1.56E+00	3.20E-03	4.05E-01	1.23E-01	2.09E+00	2.06E+00	3.07E+02	4.05E+00	6.29E-01	3.14E+02	2.00E+00	3.88E-03	4.05E-01	1.23E-01	2.53E+00
4128	482863.09	3855377.25	1.86E+00	4.59E-03	2.75E-01	2.00E-01	2.34E+00	2.46E+00	4.40E+02	2.75E+00	1.02E+00	4.46E+02	2.39E+00	5.56E-03	2.75E-01	2.00E-01	2.87E+00
4129	483363.09	3855377.25	2.30E+00	2.46E-03	1.41E-01	2.02E-01	2.64E+00	3.04E+00	2.36E+02	1.41E+00	1.03E+00	2.41E+02	2.95E+00	2.98E-03	1.41E-01	2.02E-01	3.29E+00
4130	483863.09	3855377.25	3.18E+00	1.89E-03	1.97E-01	2.58E-01	3.64E+00	4.20E+00	1.82E+02	1.97E+00	1.32E+00	1.89E+02	4.07E+00	2.29E-03	1.97E-01	2.58E-01	4.53E+00
4131	484363.09	3855377.25	5.65E+00	9.95E-04	3.05E-01	1.61E-01	6.11E+00	7.46E+00	9.54E+01	3.05E+00	8.25E-01	1.07E+02	7.24E+00	1.21E-03	3.05E-01	1.61E-01	7.71E+00
4132	484863.09	3855377.25	1.75E+01	7.82E-04	3.73E-01	2.50E-01	1.81E+01	2.31E+01	7.50E+01	3.73E+00	1.28E+00	1.03E+02	2.24E+01	9.47E-04	3.73E-01	2.50E-01	2.31E+01
4133	485363.09	3855377.25	5.59E+00	4.38E-04	3.14E-01	3.10E-01	6.21E+00	7.38E+00	4.20E+01	3.14E+00	1.58E+00	5.41E+01	7.17E+00	5.31E-04	3.14E-01	3.10E-01	7.79E+00
4134	485863.09	3855377.25	2.58E+00	3.94E-04	6.41E-01	2.77E-01	3.50E+00	3.41E+00	3.77E+01	6.41E+00	1.42E+00	4.90E+01	3.31E+00	4.77E-04	6.41E-01	2.77E-01	4.23E+00
4135	486363.09	3855377.25	1.25E+00	3.55E-04	8.81E-01	1.71E-01	2.30E+00	1.65E+00	3.41E+01	8.81E+00	8.75E-01	4.54E+01	1.60E+00	4.31E-04	8.81E-01	1.71E-01	2.66E+00
4136	486863.09	3855377.25	9.66E-01	3.53E-04	6.00E-01	1.60E-01	1.73E+00	1.28E+00	3.39E+01	6.00E+00	8.19E-01	4.20E+01	1.24E+00	4.28E-04	6.00E-01	1.60E-01	2.00E+00
4137	487363.09	3855377.25	9.75E-01	2.71E-04	1.16E+00	1.73E-01	2.31E+00	1.29E+00	2.60E+01	1.16E+01	8.86E-01	3.98E+01	1.25E+00	3.29E-04	1.16E+00	1.73E-01	2.59E+00
4138	487863.09	3855377.25	1.01E+00	3.06E-04	4.54E-01	1.61E-01	1.63E+00	1.34E+00	2.93E+01	4.54E+00	8.21E-01	3.60E+01	1.30E+00	3.70E-04	4.54E-01	1.61E-01	1.91E+00
4139	488363.09	3855377.25	1.00E+00	2.69E-04	3.24E-01	1.28E-01	1.46E+00	1.33E+00	2.58E+01	3.24E+00	6.54E-01	3.10E+01	1.29E+00	3.26E-04	3.24E-01	1.28E-01	1.74E+00
4140	488863.09	3855377.25	9.69E-01	3.16E-04	6.13E-01	1.23E-01	1.71E+00	1.28E+00	3.03E+01	6.13E+00	6.28E-01	3.84E+01	1.24E+00	3.83E-04	6.13E-01	1.23E-01	1.98E+00
4141	489363.09	3855377.25	9.63E-01	4.03E-04	1.19E+00	1.15E-01	2.27E+00	1.27E+00	3.86E+01	1.19E+01	5.89E-01	5.24E+01	1.24E+00	4.88E-04	1.19E+00	1.15E-01	2.55E+00
4142	489863.09	3855377.25	9.59E-01	3.87E-04	4.21E-01	1.15E-01	1.49E+00	1.27E+00	3.71E+01	4.21E+00	5.85E-01	4.32E+01	1.23E+00	4.69E-04	4.21E-01	1.15E-01	1.77E+00
4143	490363.09	3855377.25	9.60E-01	2.79E-04	1.12E+00	3.31E-01	2.41E+00	1.27E+00	2.68E+01	1.12E+01	1.69E+00	4.09E+01	1.23E+00	3.38E-04	1.12E+00	3.31E-01	2.68E+00
4144	490863.09	3855377.25	9.33E-01	1.98E-04	1.62E+00	6.90E-02	2.62E+00	1.23E+00	1.90E+01	1.62E+01	3.52E-01	3.67E+01	1.20E+00	2.39E-04	1.62E+00	6.90E-02	2.89E+00

4145	491363.09	3855377.25	4.65E-01	2.80E-04	5.53E-01	5.93E-02	1.08E+00	6.15E-01	2.69E+01	5.53E+00	3.03E-01	3.33E+01	5.97E-01	3.40E-04	5.53E-01	5.93E-02	1.21E+00
4146	491863.09	3855377.25	9.48E-01	2.43E-04	8.06E-01	8.09E-02	1.83E+00	1.25E+00	2.33E+01	8.06E+00	4.13E-01	3.30E+01	1.22E+00	2.95E-04	8.06E-01	8.09E-02	2.10E+00
4147	492363.09	3855377.25	9.49E-01	1.84E-04	1.27E+00	9.30E-02	2.31E+00	1.25E+00	1.76E+01	1.27E+01	4.75E-01	3.20E+01	1.22E+00	2.23E-04	1.27E+00	9.30E-02	2.58E+00
4148	492863.09	3855377.25	9.44E-01	1.73E-04	1.44E+00	1.31E-01	2.51E+00	1.25E+00	1.66E+01	1.44E+01	6.71E-01	3.29E+01	1.21E+00	2.10E-04	1.44E+00	1.31E-01	2.78E+00
4149	493363.09	3855377.25	9.36E-01	2.03E-04	1.17E+00	6.96E-02	2.17E+00	1.24E+00	1.94E+01	1.17E+01	3.56E-01	3.27E+01	1.20E+00	2.45E-04	1.17E+00	6.96E-02	2.44E+00
4150	493863.09	3855377.25	4.64E-01	1.61E-04	8.14E-01	5.68E-02	1.33E+00	6.13E-01	1.54E+01	8.14E+00	2.90E-01	2.44E+01	5.95E-01	1.95E-04	8.14E-01	5.68E-02	1.47E+00
4151	494363.09	3855377.25	4.64E-01	1.65E-04	2.78E-01	3.72E-02	7.79E-01	6.13E-01	1.58E+01	2.78E+00	1.90E-01	1.94E+01	5.95E-01	2.00E-04	2.78E-01	3.72E-02	9.10E-01
4152	494863.09	3855377.25	4.64E-01	1.68E-04	2.18E-01	3.72E-02	7.19E-01	6.13E-01	1.61E+01	2.18E+00	1.90E-01	1.91E+01	5.95E-01	2.04E-04	2.18E-01	3.72E-02	8.50E-01
4153	495363.09	3855377.25	4.64E-01	1.72E-04	1.89E-01	3.69E-02	6.90E-01	6.13E-01	1.65E+01	1.89E+00	1.89E-01	1.92E+01	5.95E-01	2.09E-04	1.89E-01	3.69E-02	8.21E-01
4154	495863.09	3855377.25	4.64E-01	1.76E-04	1.78E-01	3.63E-02	6.78E-01	6.12E-01	1.69E+01	1.78E+00	1.85E-01	1.95E+01	5.94E-01	2.13E-04	1.78E-01	3.63E-02	8.09E-01
4155	496363.09	3855377.25	4.64E-01	1.80E-04	1.62E-01	3.51E-02	6.61E-01	6.12E-01	1.73E+01	1.62E+00	1.79E-01	1.97E+01	5.94E-01	2.18E-04	1.62E-01	3.51E-02	7.92E-01
4156	496863.09	3855377.25	4.63E-01	1.84E-04	1.61E-01	3.18E-02	6.56E-01	6.12E-01	1.76E+01	1.61E+00	1.62E-01	2.00E+01	5.94E-01	2.23E-04	1.61E-01	3.18E-02	7.87E-01
4157	497363.09	3855377.25	4.63E-01	1.88E-04	1.57E-01	3.40E-02	6.55E-01	6.12E-01	1.80E+01	1.57E+00	1.74E-01	2.04E+01	5.94E-01	2.27E-04	1.57E-01	3.40E-02	7.85E-01
4158	497863.09	3855377.25	4.63E-01	1.91E-04	1.58E-01	3.33E-02	6.54E-01	6.11E-01	1.84E+01	1.58E+00	1.70E-01	2.07E+01	5.93E-01	2.32E-04	1.58E-01	3.33E-02	7.84E-01
4159	498363.09	3855377.25	4.62E-01	1.95E-04	1.60E-01	3.26E-02	6.56E-01	6.11E-01	1.87E+01	1.60E+00	1.67E-01	2.11E+01	5.93E-01	2.36E-04	1.60E-01	3.26E-02	7.86E-01
4160	471363.09	3855877.25	3.14E-01	2.65E-04	3.76E-01	4.31E-02	7.33E-01	4.14E-01	2.54E+01	3.76E+00	2.20E-01	2.98E+01	4.02E-01	3.21E-04	3.76E-01	4.31E-02	8.21E-01
4161	471863.09	3855877.25	3.19E-01	2.63E-04	4.03E-01	4.44E-02	7.66E-01	4.21E-01	2.53E+01	4.03E+00	2.27E-01	2.99E+01	4.08E-01	3.19E-04	4.03E-01	4.44E-02	8.56E-01
4162	472363.09	3855877.25	3.47E-01	2.63E-04	4.83E-01	5.42E-02	8.85E-01	4.59E-01	2.52E+01	4.83E+00	2.77E-01	3.08E+01	4.45E-01	3.19E-04	4.83E-01	5.42E-02	9.83E-01
4163	472863.09	3855877.25	3.40E-01	2.87E-04	4.76E-01	5.13E-02	8.68E-01	4.49E-01	2.75E+01	4.76E+00	2.62E-01	3.30E+01	4.36E-01	3.48E-04	4.76E-01	5.13E-02	9.64E-01
4164	473363.09	3855877.25	3.79E-01	3.12E-04	5.58E-01	6.43E-02	1.00E+00	5.01E-01	3.00E+01	5.58E+00	3.29E-01	3.64E+01	4.86E-01	3.78E-04	5.58E-01	6.43E-02	1.11E+00
4165	473863.09	3855877.25	4.02E-01	3.35E-04	5.85E-01	7.09E-02	1.06E+00	5.31E-01	3.22E+01	5.85E+00	3.62E-01	3.89E+01	5.15E-01	4.06E-04	5.85E-01	7.09E-02	1.17E+00
4166	474363.09	3855877.25	4.15E-01	3.51E-04	1.01E+00	1.07E-01	1.53E+00	5.49E-01	3.37E+01	1.01E+01	5.45E-01	4.49E+01	5.33E-01	4.25E-04	1.01E+00	1.07E-01	1.65E+00
4167	474863.09	3855877.25	3.09E-01	3.55E-04	5.05E-01	5.02E-02	8.65E-01	4.09E-01	3.41E+01	5.05E+00	2.57E-01	3.98E+01	3.97E-01	4.31E-04	5.05E-01	5.02E-02	9.52E-01
4168	475363.09	3855877.25	2.26E-01	3.46E-04	1.48E-01	4.02E-02	4.14E-01	2.99E-01	3.32E+01	1.48E+00	2.06E-01	3.52E+01	2.90E-01	4.19E-04	1.48E-01	4.02E-02	4.78E-01
4169	475863.09	3855877.25	1.75E-01	3.22E-04	1.36E-01	4.17E-02	3.53E-01	2.31E-01	3.09E+01	1.36E+00	2.13E-01	3.27E+01	2.24E-01	3.90E-04	1.36E-01	4.17E-02	4.02E-01
4170	476363.09	3855877.25	1.79E-01	2.87E-04	1.56E-01	4.26E-02	3.78E-01	2.37E-01	2.75E+01	1.56E+00	2.18E-01	2.95E+01	2.30E-01	3.48E-04	1.56E-01	4.26E-02	4.29E-01
4171	476863.09	3855877.25	1.85E-01	2.46E-04	1.72E-01	4.26E-02	4.00E-01	2.44E-01	2.35E+01	1.72E+00	2.18E-01	2.57E+01	2.37E-01	2.97E-04	1.72E-01	4.26E-02	4.52E-01
4172	477363.09	3855877.25	2.37E-01	2.36E-04	1.92E-01	4.31E-02	4.72E-01	3.13E-01	2.26E+01	1.92E+00	2.20E-01	2.51E+01	3.04E-01	2.86E-04	1.92E-01	4.31E-02	5.39E-01
4173	477863.09	3855877.25	2.40E-01	2.54E-04	2.11E-01	4.36E-02	4.95E-01	3.17E-01	2.44E+01	2.11E+00	2.22E-01	2.70E+01	3.08E-01	3.08E-04	2.11E-01	4.36E-02	5.63E-01
4174	478363.09	3855877.25	2.43E-01	2.72E-04	2.28E-01	5.40E-02	5.25E-01	3.21E-01	2.61E+01	2.28E+00	2.76E-01	2.90E+01	3.11E-01	3.29E-04	2.28E-01	5.40E-02	5.93E-01
4175	478863.09	3855877.25	2.45E-01	2.85E-04	2.42E-01	5.58E-02	5.43E-01	3.24E-01	2.73E+01	2.42E+00	2.85E-01	3.03E+01	3.14E-01	3.45E-04	2.42E-01	5.58E-02	6.12E-01
4176	479363.09	3855877.25	3.85E-01	3.39E-04	4.08E-01	5.73E-02	8.51E-01	5.09E-01	3.25E+01	4.08E+00	2.93E-01	3.74E+01	4.94E-01	4.11E-04	4.08E-01	5.73E-02	9.60E-01
4177	479863.09	3855877.25	5.45E-01	3.73E-04	6.51E-01	1.18E-01	1.32E+00	7.20E-01	3.58E+01	6.51E+00	6.05E-01	4.36E+01	6.99E-01	4.52E-04	6.51E-01	1.18E-01	1.47E+00
4178	480363.09	3855877.25	7.66E-01	5.03E-04	6.82E-01	2.24E-01	1.67E+00	1.01E+00	4.83E+01	6.82E+00	1.15E+00	5.72E+01	9.82E-01	6.10E-04	6.82E-01	2.24E-01	1.89E+00
4179	480863.09	3855877.25	9.96E-01	4.82E-04	3.78E-01	2.36E-01	1.61E+00	1.32E+00	4.63E+01	3.78E+00	1.20E+00	5.26E+01	1.28E+00	5.84E-04	3.78E-01	2.36E-01	1.89E+00
4180	481363.09	3855877.25	1.06E+00	5.16E-04	2.33E-01	2.54E-01	1.55E+00	1.40E+00	4.95E+01	2.33E+00	1.30E+00	5.45E+01	1.36E+00	6.25E-04	2.33E-01	2.54E-01	1.85E+00
4181	481863.09	3855877.25	1.27E+00	1.40E-03	2.75E-01	8.41E-02	1.63E+00	1.68E+00	1.35E+02	2.75E+00	4.29E-01	1.40E+02	1.63E+00	1.70E-03	2.75E-01	8.41E-02	1.99E+00
4182	482363.09	3855877.25	1.33E+00	2.63E-03	3.48E-01	8.52E-02	1.76E+00	1.75E+00	2.52E+02	3.48E+00	4.35E-01	2.58E+02	1.70E+00	3.18E-03	3.48E-01	8.52E-02	2.14E+00
4183	482863.09	3855877.25	1.47E+00	3.69E-03	3.47E-01	1.45E-01	1.97E+00	1.95E+00	3.54E+02	3.47E+00	7.38E-01	3.60E+02	1.89E+00	4.47E-03	3.47E-01	1.45E-01	2.38E+00
4184	483363.09	3855877.25	1.64E+00	4.64E-03	3.87E-01	1.74E-01	2.21E+00	2.17E+00	4.45E+02	3.87E+00	8.86E-01	4.51E+02	2.11E+00	5.62E-03	3.87E-01	1.74E-01	2.67E+00
4185	483863.09	3855877.25	1.95E+00	2.98E-03	2.41E-01	2.58E-01	2.46E+00	2.58E+00	2.86E+02	2.41E+00	1.32E+00	2.92E+02	2.51E+00	3.61E-03	2.41E-01	2.58E-01	3.01E+00
4186	484363.09	3855877.25	2.81E+00	2.06E-03	1.69E-01	3.50E-01	3.33E+00	3.72E+00	1.98E+02	1.69E+00	1.79E+00	2.05E+02	3.61E+00	2.50E-03	1.69E-01	3.50E-01	4.13E+00
4187	484863.09	3855877.25	4.73E+00	1.24E-03	3.01E-01	2.76E-01	5.30E+00	6.24E+00	1.19E+02	3.01E+00	1.41E+00	1.30E+02	6.06E+00	1.51E-03	3.01E-01	2.76E-01	6.64E+00
4188	485363.09	3855877.25	1.53E+01	9.26E-04	4.21E-01	2.84E-01	1.60E+01	2.01E+01	8.88E+01	4.21E+00	1.45E+00	1.15E+02	1.96E+01	1.12E-03	4.21E-01	2.84E-01	2.03E+01
4189	485863.09	3855877.25	6.99E+00	5.43E-04	3.78E-01	2.58E-01	7.62E+00	9.23E+00	5.20E+01	3.78E+00	1.32E+00	6.64E+01	8.96E+00	6.57E-04	3.78E-01	2.58E-01	9.59E+00
4190	486363.09	3855877.25	2.80E+00	5.44E-04	6.10E-01	2.34E-01	3.64E+00	3.70E+00	5.22E+01	6.10E+00	1.20E+00	6.32E+01	3.59E+00	6.59E-04	6.10E-01	2.34E-01	4.43E+00
4191	486863.09	3855877.25	1.95E+00	4.07E-04	1.24E+00	1.89E-01	3.37E+00	2.57E+00	3.90E+01	1.24E+01	9.67E-01	5.49E+01	2.49E+00	4.93E-04	1.24E+00	1.89E-01	3.92E+00
4192	487363.09	3855877.25	1.69E+00	4.99E-04	9.49E-01	1.53E-01	2.80E+00	2.24E+00	4.78E+01	9.49E+00	7.83E-01	6.03E+01	2.17E+00	6.04E-04	9.49E-01	1.53E-01	3.27E+00
4193	487863.09	3855877.25	1.57E+00	6.42E-04	4.29E-01	1.21E-01	2.13E+00	2.08E+00	6.16E+01	4.29E+00	6.19E-01	6.85E+01	2.02E+00	7.78E-04	4.29E-01	1.21E-01	2.57E+00
4194	488363.09	3855877.25	1.42E+00	3.59E-04	3.61E-01	9.89E-02	1.88E+00	1.88E+00	3.44E+01	3.61E+00	5.05E-01	4.04E+01	1.82E+00	4.35E-04	3.61E-01	9.89E-02	2.28E+00
4195	488863.09	3855877.25	1.27E+00	3.99E-04	7.09E-01	8.27E-02	2.06E+00	1.68E+00	3.83E+01	7.09E+00	4.22E-01	4.75E+01	1.63E+00	4.84E-04	7.09E-01	8.27E-02	2.42E+00
4196	489363.09	3855877.25	1.13E+00	4.08E-04	6.87E-01	7.39E-02	1.89E+00	1.50E+00	3.92E+01	6.87E+00	3.78E-01	4.79E+01	1.45E+00	4.95E-04	6.87E-01	7.39E-02	2.21E+00
4197	489863.09	3855877.25	1.03E+00	3.94E-04	5.59E-01	8.30E-02	1.67E+00	1.36E+00	3.78E+01	5.59E+00	4.24E-01	4.52E+01	1.32E+00	4.77E-04	5.59E-01	8.30E-02	1.96E+00
4198	490363.09	3855877.25	9.89E-01	4.05E-04	5.74E-01	1.47E-01	1.71E+00	1.31E+00	3.89E+01	5.74E+00	7.49E-01	4.67E+01	1.27E+00	4.91E-04	5.74E-01	1.47E-01	1.99E+00
4199	490863.09	3855877.25	9.81E-01	5.38E-04	5.89E-01	7.66E-02	1.65E+00	1.30E+00	5.16E+01	5.89E+00	3.92E-01	5.92E+01	1.26E+00	6.52E-04	5.89E-01	7.66E-02	1.92E+00
4200	491363.09	3855877.25	9.65E-01	2.70E-04	1.52E+00	8.02E-02	2.57E+00	1.27E+00	2.58E+01	1.52E+01	4.09E-01	4.28E+01	1.24E+00	3.27E-04	1.52E+00	8.02E-02	2.84E+00
4201	491863.09	3855877.25	9.75E-01	4.35E-04	9.74E-01	1.03E-01	2.05E+00	1.29E+00	4.17E+01	9.74E+00	5.24E-01	5.32E+01	1.25E+00	5.27E-04	9.74E-01	1.03E-01	2.33E+00
4202	492363.09	3855877.25	9.68E-01	2.22E-04	1.14E+00	1.49E-01	2.25E+00	1.28E+00	2.13E+01	1.14E+01	7.60E-01	3.47E+01	1.24E+00	2.69E-04	1.14E+00	1.49E-01	2.53E+00
4203	492863.09	3855877.25	9.63E-01	2.26E-04	1.37E+00	1.04E-01	2.44E+00	1.27E+00	2.17E+01	1.37E+01	5.30E-01	3.72E+01	1.23E+00	2.74E-04	1.37E+00	1.04E-01	2.71E+00
4204	493363.09	3855877.25	9.45E-01	2.31E-04	7.28E-01	4.68E-02	1.72E+00	1.25E+00	2.21E+01	7.28E+00	2.39E-01	3.09E+01	1.21E+00	2.79E-04	7.28E-01	4.68E-02	1.99E+00
4205	493863.09	3855877.25	4.72E-01	2.35E-04	2.91E-01	4.05E-02	8.03E-01	6.23E-01	2.25E+01	2.91E+00	2.07E-01	2.62E+01	6.05E-01	2.84E-04	2.91E-01	4.05E-02	9.36E-01

4206	494363.09	3855877.25	4.71E-01	2.38E-04	1.91E-01	4.03E-02	7.03E-01	6.22E-01	2.29E+01	1.91E+00	2.06E-01	2.56E+01	6.04E-01	2.89E-04	1.91E-01	4.03E-02	8.36E-01
4207	494863.09	3855877.25	4.70E-01	2.42E-04	1.90E-01	3.99E-02	7.00E-01	6.21E-01	2.32E+01	1.90E+00	2.04E-01	2.59E+01	6.02E-01	2.93E-04	1.90E-01	3.99E-02	8.32E-01
4208	495363.09	3855877.25	4.69E-01	2.44E-04	1.48E-01	2.78E-02	6.45E-01	6.19E-01	2.34E+01	1.48E+00	1.42E-01	2.57E+01	6.01E-01	2.96E-04	1.48E-01	2.78E-02	7.77E-01
4209	495863.09	3855877.25	4.67E-01	2.47E-04	1.44E-01	2.71E-02	6.38E-01	6.16E-01	2.37E+01	1.44E+00	1.38E-01	2.59E+01	5.98E-01	2.99E-04	1.44E-01	2.71E-02	7.70E-01
4210	496363.09	3855877.25	4.64E-01	2.49E-04	1.50E-01	2.66E-02	6.41E-01	6.13E-01	2.39E+01	1.50E+00	1.36E-01	2.61E+01	5.95E-01	3.02E-04	1.50E-01	2.66E-02	7.72E-01
4211	496863.09	3855877.25	4.61E-01	2.51E-04	1.65E-01	3.14E-02	6.57E-01	6.09E-01	2.41E+01	1.65E+00	1.61E-01	2.65E+01	5.91E-01	3.04E-04	1.65E-01	3.14E-02	7.87E-01
4212	497363.09	3855877.25	4.57E-01	2.52E-04	1.55E-01	3.55E-02	6.48E-01	6.04E-01	2.42E+01	1.55E+00	1.81E-01	2.65E+01	5.86E-01	3.05E-04	1.55E-01	3.55E-02	7.77E-01
4213	497863.09	3855877.25	4.52E-01	2.53E-04	1.75E-01	3.48E-02	6.62E-01	5.98E-01	2.43E+01	1.75E+00	1.78E-01	2.68E+01	5.80E-01	3.07E-04	1.75E-01	3.48E-02	7.90E-01
4214	498363.09	3855877.25	4.47E-01	2.54E-04	1.63E-01	3.40E-02	6.44E-01	5.90E-01	2.43E+01	1.63E+00	1.74E-01	2.67E+01	5.73E-01	3.07E-04	1.63E-01	3.40E-02	7.70E-01
4215	471363.09	3856377.25	2.99E-01	2.44E-04	2.18E-01	3.46E-02	5.52E-01	3.95E-01	2.34E+01	2.18E+00	1.77E-01	2.62E+01	3.84E-01	2.96E-04	2.18E-01	3.46E-02	6.37E-01
4216	471863.09	3856377.25	3.03E-01	2.55E-04	2.47E-01	3.51E-02	5.85E-01	4.00E-01	2.44E+01	2.47E+00	1.79E-01	2.75E+01	3.88E-01	3.09E-04	2.47E-01	3.51E-02	6.71E-01
4217	472363.09	3856377.25	3.20E-01	2.64E-04	3.02E-01	3.57E-02	6.57E-01	4.22E-01	2.53E+01	3.02E+00	1.82E-01	2.89E+01	4.10E-01	3.20E-04	3.02E-01	3.57E-02	7.48E-01
4218	472863.09	3856377.25	3.43E-01	2.71E-04	3.69E-01	4.06E-02	7.52E-01	4.53E-01	2.59E+01	3.69E+00	2.07E-01	3.03E+01	4.39E-01	3.28E-04	3.69E-01	4.06E-02	8.49E-01
4219	473363.09	3856377.25	3.59E-01	2.75E-04	4.29E-01	4.50E-02	8.33E-01	4.74E-01	2.63E+01	4.29E+00	2.30E-01	3.13E+01	4.60E-01	3.33E-04	4.29E-01	4.50E-02	9.35E-01
4220	473863.09	3856377.25	3.95E-01	3.43E-04	5.02E-01	5.42E-02	9.52E-01	5.22E-01	3.29E+01	5.02E+00	2.77E-01	3.88E+01	5.07E-01	4.16E-04	5.02E-01	5.42E-02	1.06E+00
4221	474363.09	3856377.25	3.73E-01	2.74E-04	5.33E-01	4.93E-02	9.56E-01	4.93E-01	2.62E+01	5.33E+00	2.52E-01	3.23E+01	4.79E-01	3.32E-04	5.33E-01	4.93E-02	1.06E+00
4222	474863.09	3856377.25	3.27E-01	2.86E-04	8.52E-01	5.91E-02	1.24E+00	4.32E-01	2.74E+01	8.52E+00	3.02E-01	3.67E+01	4.20E-01	3.46E-04	8.52E-01	5.91E-02	1.33E+00
4223	475363.09	3856377.25	2.12E-01	3.14E-04	3.87E-01	4.06E-02	6.40E-01	2.80E-01	3.02E+01	3.87E+00	2.07E-01	3.45E+01	2.72E-01	3.81E-04	3.87E-01	4.06E-02	7.00E-01
4224	475863.09	3856377.25	2.10E-01	3.41E-04	1.18E-01	4.17E-02	3.70E-01	2.78E-01	3.27E+01	1.18E+00	2.13E-01	3.44E+01	2.70E-01	4.13E-04	1.18E-01	4.17E-02	4.29E-01
4225	476363.09	3856377.25	2.10E-01	3.60E-04	1.29E-01	4.25E-02	3.82E-01	2.78E-01	3.45E+01	1.29E+00	2.17E-01	3.63E+01	2.70E-01	4.36E-04	1.29E-01	4.25E-02	4.41E-01
4226	476863.09	3856377.25	2.10E-01	3.65E-04	1.42E-01	4.26E-02	3.95E-01	2.78E-01	3.50E+01	1.42E+00	2.18E-01	3.70E+01	2.70E-01	4.43E-04	1.42E-01	4.26E-02	4.55E-01
4227	477363.09	3856377.25	2.11E-01	3.56E-04	1.56E-01	4.19E-02	4.09E-01	2.78E-01	3.41E+01	1.56E+00	2.14E-01	3.61E+01	2.70E-01	4.31E-04	1.56E-01	4.19E-02	4.68E-01
4228	477863.09	3856377.25	2.10E-01	3.30E-04	1.69E-01	4.14E-02	4.21E-01	2.77E-01	3.17E+01	1.69E+00	2.12E-01	3.38E+01	2.69E-01	4.00E-04	1.69E-01	4.14E-02	4.80E-01
4229	478363.09	3856377.25	1.67E-01	2.91E-04	1.57E-01	4.17E-02	3.66E-01	2.21E-01	2.79E+01	1.57E+00	2.13E-01	2.99E+01	2.15E-01	3.52E-04	1.57E-01	4.17E-02	4.13E-01
4230	478863.09	3856377.25	2.12E-01	2.42E-04	1.97E-01	5.25E-02	4.62E-01	2.81E-01	2.32E+01	1.97E+00	2.68E-01	2.57E+01	2.72E-01	2.93E-04	1.97E-01	5.25E-02	5.22E-01
4231	479363.09	3856377.25	2.18E-01	2.07E-04	2.37E-01	5.59E-02	5.11E-01	2.89E-01	1.99E+01	2.37E+00	2.85E-01	2.28E+01	2.80E-01	2.51E-04	2.37E-01	5.59E-02	5.73E-01
4232	479863.09	3856377.25	3.98E-01	2.34E-04	6.52E-01	1.03E-01	1.15E+00	5.26E-01	2.25E+01	6.52E+00	5.26E-01	3.00E+01	5.11E-01	2.84E-04	6.52E-01	1.03E-01	1.27E+00
4233	480363.09	3856377.25	6.59E-01	3.38E-04	7.27E-01	1.56E-01	1.54E+00	8.70E-01	3.24E+01	7.27E+00	7.97E-01	4.13E+01	8.44E-01	4.09E-04	7.27E-01	1.56E-01	1.73E+00
4234	480863.09	3856377.25	9.10E-01	5.94E-04	5.62E-01	1.05E-01	1.58E+00	1.20E+00	5.69E+01	5.62E+00	5.35E-01	6.43E+01	1.17E+00	7.19E-04	5.62E-01	1.05E-01	1.83E+00
4235	481363.09	3856377.25	1.10E+00	7.29E-04	3.52E-01	7.48E-02	1.53E+00	1.45E+00	6.99E+01	3.52E+00	3.82E-01	7.52E+01	1.41E+00	8.83E-04	3.52E-01	7.48E-02	1.84E+00
4236	481863.09	3856377.25	1.20E+00	1.06E-03	3.01E-01	7.92E-02	1.58E+00	1.58E+00	1.02E+02	3.01E+00	4.05E-01	1.07E+02	1.53E+00	1.29E-03	3.01E-01	7.92E-02	1.91E+00
4237	482363.09	3856377.25	1.16E+00	1.88E-03	3.09E-01	9.12E-02	1.57E+00	1.54E+00	1.80E+02	3.09E+00	4.66E-01	1.85E+02	1.49E+00	2.28E-03	3.09E-01	9.12E-02	1.89E+00
4238	482863.09	3856377.25	1.24E+00	2.72E-03	2.93E-01	7.52E-02	1.62E+00	1.64E+00	2.61E+02	2.93E+00	3.84E-01	2.66E+02	1.60E+00	3.30E-03	2.93E-01	7.52E-02	1.97E+00
4239	483363.09	3856377.25	1.34E+00	4.50E-03	3.23E-01	7.67E-02	1.75E+00	1.77E+00	4.32E+02	3.23E+00	3.92E-01	4.37E+02	1.72E+00	5.45E-03	3.23E-01	7.67E-02	2.13E+00
4240	483863.09	3856377.25	1.53E+00	4.24E-03	3.32E-01	3.23E-01	2.19E+00	2.02E+00	4.06E+02	3.32E+00	1.65E+00	4.13E+02	1.96E+00	5.13E-03	3.32E-01	3.23E-01	2.62E+00
4241	484363.09	3856377.25	1.78E+00	4.14E-03	3.12E-01	3.06E-01	2.40E+00	2.35E+00	3.97E+02	3.12E+00	1.56E+00	4.04E+02	2.28E+00	5.01E-03	3.12E-01	3.06E-01	2.90E+00
4242	484863.09	3856377.25	2.18E+00	2.42E-03	1.90E-01	3.57E-01	2.73E+00	2.88E+00	2.32E+02	1.90E+00	1.83E+00	2.39E+02	2.79E+00	2.93E-03	1.90E-01	3.57E-01	3.34E+00
4243	485363.09	3856377.25	3.58E+00	1.60E-03	2.74E-01	3.11E-01	4.17E+00	4.73E+00	1.53E+02	2.74E+00	1.59E+00	1.62E+02	4.59E+00	1.93E-03	2.74E-01	3.11E-01	5.18E+00
4244	485863.09	3856377.25	1.57E+01	9.51E-04	4.68E-01	2.71E-01	1.65E+01	2.08E+01	9.13E+01	4.68E+00	1.39E+00	1.18E+02	2.02E+01	1.15E-03	4.68E-01	2.71E-01	2.09E+01
4245	486363.09	3856377.25	8.61E+00	5.55E-04	4.68E-01	2.56E-01	9.33E+00	1.14E+01	5.32E+01	4.68E+00	1.31E+00	7.05E+01	1.10E+01	6.72E-04	4.68E-01	2.56E-01	1.18E+01
4246	486863.09	3856377.25	3.61E+00	5.43E-04	3.01E-01	1.92E-01	4.11E+00	4.77E+00	5.21E+01	3.01E+00	9.81E-01	6.08E+01	4.63E+00	6.58E-04	3.01E-01	1.92E-01	5.13E+00
4247	487363.09	3856377.25	2.52E+00	5.53E-04	6.49E-01	1.40E-01	3.31E+00	3.33E+00	5.30E+01	6.49E+00	7.16E-01	6.35E+01	3.23E+00	6.69E-04	6.49E-01	1.40E-01	4.02E+00
4248	487863.09	3856377.25	2.07E+00	6.68E-04	5.07E-01	9.60E-02	2.67E+00	2.73E+00	6.40E+01	5.07E+00	4.91E-01	7.23E+01	2.65E+00	8.09E-04	5.07E-01	9.60E-02	3.26E+00
4249	488363.09	3856377.25	1.77E+00	5.69E-04	5.11E-01	7.13E-02	2.35E+00	2.33E+00	5.46E+01	5.11E+00	3.64E-01	6.24E+01	2.27E+00	6.90E-04	5.11E-01	7.13E-02	2.85E+00
4250	488863.09	3856377.25	1.55E+00	5.76E-04	5.81E-01	6.65E-02	2.20E+00	2.05E+00	5.52E+01	5.81E+00	3.40E-01	6.34E+01	1.99E+00	6.98E-04	5.81E-01	6.65E-02	2.64E+00
4251	489363.09	3856377.25	1.39E+00	5.81E-04	4.24E-01	6.81E-02	1.89E+00	1.84E+00	5.57E+01	4.24E+00	3.48E-01	6.22E+01	1.79E+00	7.04E-04	4.24E-01	6.81E-02	2.28E+00
4252	489863.09	3856377.25	1.27E+00	5.85E-04	5.04E-01	9.85E-02	1.87E+00	1.67E+00	5.61E+01	5.04E+00	5.03E-01	6.33E+01	1.62E+00	7.09E-04	5.04E-01	9.85E-02	2.23E+00
4253	490363.09	3856377.25	1.16E+00	5.87E-04	3.81E-01	8.96E-02	1.63E+00	1.53E+00	5.63E+01	3.81E+00	4.58E-01	6.21E+01	1.49E+00	7.11E-04	3.81E-01	8.96E-02	1.96E+00
4254	490863.09	3856377.25	1.07E+00	5.92E-04	5.78E-01	5.31E-02	1.70E+00	1.41E+00	5.68E+01	5.78E+00	2.71E-01	6.43E+01	1.37E+00	7.18E-04	5.78E-01	5.31E-02	2.00E+00
4255	491363.09	3856377.25	9.87E-01	5.86E-04	5.27E-01	9.54E-02	1.61E+00	1.30E+00	5.62E+01	5.27E+00	4.87E-01	6.33E+01	1.27E+00	7.10E-04	5.27E-01	9.54E-02	1.89E+00
4256	491863.09	3856377.25	9.62E-01	5.84E-04	7.25E-01	1.36E-01	1.82E+00	1.27E+00	5.60E+01	7.25E+00	6.96E-01	6.52E+01	1.23E+00	7.07E-04	7.25E-01	1.36E-01	2.09E+00
4257	492363.09	3856377.25	9.41E-01	2.90E-04	8.84E-01	1.07E-01	1.93E+00	1.24E+00	2.78E+01	8.84E+00	5.46E-01	3.84E+01	1.21E+00	3.51E-04	8.84E-01	1.07E-01	2.20E+00
4258	492863.09	3856377.25	9.11E-01	2.88E-04	8.67E-01	6.93E-02	1.85E+00	1.20E+00	2.77E+01	8.67E+00	3.54E-01	3.79E+01	1.17E+00	3.49E-04	8.67E-01	6.93E-02	2.11E+00
4259	493363.09	3856377.25	4.43E-01	2.86E-04	2.70E-01	3.84E-02	7.51E-01	5.85E-01	2.75E+01	2.70E+00	1.96E-01	3.09E+01	5.67E-01	3.47E-04	2.70E-01	3.84E-02	8.76E-01
4260	493863.09	3856377.25	4.32E-01	2.84E-04	2.31E-01	3.82E-02	7.02E-01	5.71E-01	2.72E+01	2.31E+00	1.95E-01	3.03E+01	5.54E-01	3.44E-04	2.31E-01	3.82E-02	8.24E-01
4261	494363.09	3856377.25	4.20E-01	2.81E-04	2.27E-01	3.83E-02	6.86E-01	5.55E-01	2.69E+01	2.27E+00	1.96E-01	2.99E+01	5.39E-01	3.40E-04	2.27E-01	3.83E-02	8.04E-01
4262	494863.09	3856377.25	4.08E-01	2.77E-04	2.09E-01	3.81E-02	6.55E-01	5.39E-01	2.66E+01	2.09E+00	1.95E-01	2.94E+01	5.23E-01	3.36E-04	2.09E-01	3.81E-02	7.71E-01
4263	495363.09	3856377.25	3.94E-01	2.74E-04	1.68E-01	2.60E-02	5.89E-01	5.21E-01	2.63E+01	1.68E+00	1.33E-01	2.86E+01	5.06E-01	3.32E-04	1.68E-01	2.60E-02	7.00E-01
4264	495863.09	3856377.25	3.81E-01	2.70E-04	1.57E-01	2.54E-02	5.63E-01	5.03E-01	2.59E+01	1.57E+00	1.30E-01	2.81E+01	4.88E-01	3.27E-04	1.57E-01	2.54E-02	6.71E-01
4265	496363.09	3856377.25	3.67E-01	2.66E-04	1.48E-01	2.57E-02	5.41E-01	4.85E-01	2.55E+01	1.48E+00	1.31E-01	2.76E+01	4.70E-01	3.22E-04	1.48E-01	2.57E-02	6.44E-01
4266	496863.09	3856377.25	3.53E-01	2.62E-04	1.87E-01	3.56E-02	5.76E-01	4.66E-01	2.51E+01	1.87E+00	1.82E-01	2.76E+01	4.53E-01	3.17E-04	1.87E-01	3.56E-02	6.75E-01

4267	497363.09	3856377.25	3.39E-01	2.57E-04	1.80E-01	3.51E-02	5.54E-01	4.48E-01	2.47E+01	1.80E+00	1.79E-01	2.71E+01	4.35E-01	3.12E-04	1.80E-01	3.51E-02	6.50E-01
4268	497863.09	3856377.25	3.26E-01	2.53E-04	1.70E-01	3.46E-02	5.30E-01	4.30E-01	2.43E+01	1.70E+00	1.77E-01	2.66E+01	4.18E-01	3.07E-04	1.70E-01	3.46E-02	6.22E-01
4269	498363.09	3856377.25	3.12E-01	2.49E-04	1.58E-01	3.41E-02	5.05E-01	4.13E-01	2.39E+01	1.58E+00	1.74E-01	2.60E+01	4.00E-01	3.01E-04	1.58E-01	3.41E-02	5.93E-01
4270	471363.09	3856877.25	3.00E-01	2.04E-04	2.07E-01	4.62E-02	5.54E-01	3.96E-01	1.95E+01	2.07E+00	2.36E-01	2.22E+01	3.84E-01	2.47E-04	2.07E-01	4.62E-02	6.38E-01
4271	471863.09	3856877.25	3.10E-01	1.93E-04	1.94E-01	4.25E-02	5.47E-01	4.10E-01	1.85E+01	1.94E+00	2.17E-01	2.10E+01	3.98E-01	2.33E-04	1.94E-01	4.25E-02	6.35E-01
4272	472363.09	3856877.25	3.32E-01	2.08E-04	1.92E-01	4.60E-02	5.71E-01	4.39E-01	1.99E+01	1.92E+00	2.35E-01	2.25E+01	4.26E-01	2.52E-04	1.92E-01	4.60E-02	6.64E-01
4273	472863.09	3856877.25	3.51E-01	2.22E-04	1.88E-01	4.86E-02	5.88E-01	4.64E-01	2.13E+01	1.88E+00	2.48E-01	2.39E+01	4.50E-01	2.69E-04	1.88E-01	4.86E-02	6.87E-01
4274	473363.09	3856877.25	3.88E-01	2.37E-04	1.88E-01	5.97E-02	6.35E-01	5.12E-01	2.27E+01	1.88E+00	3.05E-01	2.54E+01	4.97E-01	2.87E-04	1.88E-01	5.97E-02	7.45E-01
4275	473863.09	3856877.25	4.04E-01	2.50E-04	1.82E-01	5.99E-02	6.46E-01	5.34E-01	2.40E+01	1.82E+00	3.06E-01	2.66E+01	5.18E-01	3.03E-04	1.82E-01	5.99E-02	7.60E-01
4276	474363.09	3856877.25	3.82E-01	2.62E-04	2.01E-01	4.93E-02	6.33E-01	5.05E-01	2.51E+01	2.01E+00	2.52E-01	2.79E+01	4.90E-01	3.18E-04	2.01E-01	4.93E-02	7.41E-01
4277	474863.09	3856877.25	3.37E-01	2.73E-04	3.45E-01	6.11E-02	7.44E-01	4.45E-01	2.62E+01	3.45E+00	3.12E-01	3.04E+01	4.32E-01	3.31E-04	3.45E-01	6.11E-02	8.39E-01
4278	475363.09	3856877.25	2.48E-01	2.82E-04	2.15E-01	3.47E-02	4.98E-01	3.28E-01	2.70E+01	2.15E+00	1.77E-01	2.97E+01	3.18E-01	3.41E-04	2.15E-01	3.47E-02	5.68E-01
4279	475863.09	3856877.25	2.29E-01	2.88E-04	2.20E-01	3.72E-02	4.86E-01	3.02E-01	2.76E+01	2.20E+00	1.90E-01	3.03E+01	2.93E-01	3.49E-04	2.20E-01	3.72E-02	5.51E-01
4280	476363.09	3856877.25	2.10E-01	2.90E-04	1.88E-01	3.98E-02	4.39E-01	2.78E-01	2.78E+01	1.88E+00	2.03E-01	3.02E+01	2.70E-01	3.52E-04	1.88E-01	3.98E-02	4.98E-01
4281	476863.09	3856877.25	2.11E-01	2.88E-04	1.88E-01	4.20E-02	4.41E-01	2.78E-01	2.76E+01	1.88E+00	2.15E-01	3.00E+01	2.70E-01	3.49E-04	1.88E-01	4.20E-02	5.01E-01
4282	477363.09	3856877.25	2.10E-01	3.16E-04	1.87E-01	4.40E-02	4.42E-01	2.78E-01	3.03E+01	1.87E+00	2.25E-01	3.27E+01	2.70E-01	3.83E-04	1.87E-01	4.40E-02	5.01E-01
4283	477863.09	3856877.25	1.59E-01	3.48E-04	1.22E-01	4.65E-02	3.28E-01	2.10E-01	3.34E+01	1.22E+00	2.37E-01	3.50E+01	2.04E-01	4.21E-04	1.22E-01	4.65E-02	3.73E-01
4284	478363.09	3856877.25	1.59E-01	3.69E-04	1.24E-01	4.77E-02	3.31E-01	2.09E-01	3.54E+01	1.24E+00	2.44E-01	3.71E+01	2.03E-01	4.47E-04	1.24E-01	4.77E-02	3.75E-01
4285	478863.09	3856877.25	1.87E-01	3.75E-04	1.37E-01	4.68E-02	3.71E-01	2.46E-01	3.60E+01	1.37E+00	2.39E-01	3.79E+01	2.39E-01	4.55E-04	1.37E-01	4.68E-02	4.24E-01
4286	479363.09	3856877.25	2.10E-01	3.65E-04	1.56E-01	4.45E-02	4.11E-01	2.77E-01	3.50E+01	1.56E+00	2.27E-01	3.71E+01	2.69E-01	4.43E-04	1.56E-01	4.45E-02	4.70E-01
4287	479863.09	3856877.25	4.37E-01	3.39E-04	1.39E+00	2.51E-01	2.08E+00	5.77E-01	3.25E+01	1.39E+01	1.28E+00	4.83E+01	5.60E-01	4.11E-04	1.39E+00	2.51E-01	2.20E+00
4288	480363.09	3856877.25	6.49E-01	4.13E-04	1.71E+00	4.43E-01	2.81E+00	8.57E-01	3.96E+01	1.71E+01	2.26E+00	5.99E+01	8.32E-01	5.00E-04	1.71E+00	4.43E-01	2.99E+00
4289	480863.09	3856877.25	9.19E-01	5.24E-04	5.06E-01	1.33E-01	1.56E+00	1.21E+00	5.03E+01	5.06E+00	6.81E-01	5.73E+01	1.18E+00	6.35E-04	5.06E-01	1.33E-01	1.82E+00
4290	481363.09	3856877.25	1.04E+00	6.73E-04	2.47E-01	6.66E-02	1.35E+00	1.37E+00	6.46E+01	2.47E+00	3.40E-01	6.87E+01	1.33E+00	8.16E-04	2.47E-01	6.66E-02	1.65E+00
4291	481863.09	3856877.25	1.11E+00	7.73E-04	2.69E-01	7.33E-02	1.45E+00	1.47E+00	7.42E+01	2.69E+00	3.74E-01	7.87E+01	1.42E+00	9.37E-04	2.69E-01	7.33E-02	1.77E+00
4292	482363.09	3856877.25	1.09E+00	1.24E-03	2.94E-01	6.52E-02	1.45E+00	1.44E+00	1.19E+02	2.94E+00	3.33E-01	1.24E+02	1.39E+00	1.51E-03	2.94E-01	6.52E-02	1.76E+00
4293	482863.09	3856877.25	1.12E+00	1.67E-03	3.23E-01	7.48E-02	1.52E+00	1.48E+00	1.60E+02	3.23E+00	3.82E-01	1.65E+02	1.44E+00	2.03E-03	3.23E-01	7.48E-02	1.84E+00
4294	483363.09	3856877.25	1.20E+00	2.37E-03	3.45E-01	2.93E-01	1.84E+00	1.58E+00	2.27E+02	3.45E+00	1.50E+00	2.34E+02	1.54E+00	2.87E-03	3.45E-01	2.93E-01	2.18E+00
4295	483863.09	3856877.25	1.30E+00	4.48E-03	3.56E-01	2.26E-01	1.89E+00	1.72E+00	4.30E+02	3.56E+00	1.16E+00	4.36E+02	1.67E+00	5.43E-03	3.56E-01	2.26E-01	2.25E+00
4296	484363.09	3856877.25	1.44E+00	4.29E-03	3.70E-01	3.10E-01	2.13E+00	1.90E+00	4.11E+02	3.70E+00	1.58E+00	4.18E+02	1.85E+00	5.19E-03	3.70E-01	3.10E-01	2.53E+00
4297	484863.09	3856877.25	1.63E+00	4.92E-03	3.60E-01	3.22E-01	2.32E+00	2.15E+00	4.72E+02	3.60E+00	1.64E+00	4.79E+02	2.09E+00	5.96E-03	3.60E-01	3.22E-01	2.78E+00
4298	485363.09	3856877.25	2.01E+00	2.74E-03	3.23E-01	2.77E-01	2.61E+00	2.65E+00	2.63E+02	3.23E+00	1.41E+00	2.70E+02	2.57E+00	3.32E-03	3.23E-01	2.77E-01	3.17E+00
4299	485863.09	3856877.25	4.23E+00	1.73E-03	2.36E-01	2.92E-01	4.76E+00	5.59E+00	1.66E+02	2.36E+00	1.49E+00	1.75E+02	5.43E+00	2.09E-03	2.36E-01	2.92E-01	5.96E+00
4300	486363.09	3856877.25	1.32E+01	6.57E-04	4.84E-01	2.70E-01	1.40E+01	1.75E+01	6.31E+01	4.84E+00	1.38E+00	8.68E+01	1.70E+01	7.97E-04	4.84E-01	2.70E-01	1.77E+01
4301	486863.09	3856877.25	1.42E+01	6.51E-04	5.99E-01	1.87E-01	1.50E+01	1.88E+01	6.25E+01	5.99E+00	9.54E-01	8.82E+01	1.82E+01	7.89E-04	5.99E-01	1.87E-01	1.90E+01
4302	487363.09	3856877.25	4.54E+00	7.28E-04	4.89E-01	1.51E-01	5.18E+00	6.00E+00	6.98E+01	4.89E+00	7.71E-01	8.14E+01	5.82E+00	8.81E-04	4.89E-01	1.51E-01	6.46E+00
4303	487863.09	3856877.25	2.75E+00	6.95E-04	7.62E-01	1.09E-01	3.62E+00	3.63E+00	6.66E+01	7.62E+00	5.55E-01	7.85E+01	3.52E+00	8.42E-04	7.62E-01	1.09E-01	4.39E+00
4304	488363.09	3856877.25	2.12E+00	8.21E-04	7.56E-01	6.99E-02	2.95E+00	2.80E+00	7.88E+01	7.56E+00	3.57E-01	8.95E+01	2.72E+00	9.95E-04	7.56E-01	6.99E-02	3.55E+00
4305	488863.09	3856877.25	1.78E+00	7.22E-04	6.79E-01	7.25E-02	2.53E+00	2.35E+00	6.93E+01	6.79E+00	3.71E-01	7.88E+01	2.28E+00	8.75E-04	6.79E-01	7.25E-02	3.03E+00
4306	489363.09	3856877.25	1.56E+00	7.43E-04	5.98E-01	6.95E-02	2.23E+00	2.06E+00	7.13E+01	5.98E+00	3.55E-01	7.97E+01	2.00E+00	9.00E-04	5.98E-01	6.95E-02	2.66E+00
4307	489863.09	3856877.25	1.40E+00	7.48E-04	5.34E-01	8.12E-02	2.02E+00	1.86E+00	7.17E+01	5.34E+00	4.15E-01	7.93E+01	1.80E+00	9.06E-04	5.34E-01	8.12E-02	2.42E+00
4308	490363.09	3856877.25	1.28E+00	6.28E-04	4.32E-01	5.49E-02	1.77E+00	1.70E+00	6.02E+01	4.32E+00	2.80E-01	6.65E+01	1.65E+00	7.60E-04	4.32E-01	5.49E-02	2.13E+00
4309	490863.09	3856877.25	1.18E+00	5.29E-04	4.57E-01	7.83E-02	1.71E+00	1.56E+00	5.07E+01	4.57E+00	4.00E-01	5.73E+01	1.51E+00	6.41E-04	4.57E-01	7.83E-02	2.05E+00
4310	491363.09	3856877.25	1.08E+00	5.12E-04	4.65E-01	1.06E-01	1.66E+00	1.43E+00	4.91E+01	4.65E+00	5.40E-01	5.57E+01	1.39E+00	6.20E-04	4.65E-01	1.06E-01	1.96E+00
4311	491863.09	3856877.25	9.95E-01	4.94E-04	5.75E-01	8.52E-02	1.66E+00	1.31E+00	4.74E+01	5.75E+00	4.35E-01	5.49E+01	1.28E+00	5.99E-04	5.75E-01	8.52E-02	1.94E+00
4312	492363.09	3856877.25	7.55E-01	2.38E-04	1.12E+00	1.48E-01	2.02E+00	9.97E-01	2.29E+01	1.12E+01	7.56E-01	3.58E+01	9.67E-01	2.89E-04	1.12E+00	1.48E-01	2.24E+00
4313	492863.09	3856877.25	4.85E-01	2.31E-04	9.20E-01	8.50E-02	1.49E+00	6.40E-01	2.22E+01	9.20E+00	4.34E-01	3.24E+01	6.21E-01	2.80E-04	9.20E-01	8.50E-02	1.63E+00
4314	493363.09	3856877.25	3.43E-01	2.24E-04	3.56E-01	4.46E-02	7.43E-01	4.52E-01	2.15E+01	3.56E+00	2.28E-01	2.57E+01	4.39E-01	2.72E-04	3.56E-01	4.46E-02	8.40E-01
4315	493863.09	3856877.25	2.32E-01	2.18E-04	2.40E-01	4.00E-02	5.13E-01	3.07E-01	2.09E+01	2.40E+00	2.04E-01	2.38E+01	2.98E-01	2.64E-04	2.40E-01	4.00E-02	5.78E-01
4316	494363.09	3856877.25	1.65E-01	2.11E-04	2.24E-01	3.42E-02	4.23E-01	2.18E-01	2.03E+01	2.24E+00	1.75E-01	2.29E+01	2.11E-01	2.56E-04	2.24E-01	3.42E-02	4.70E-01
4317	494863.09	3856877.25	1.54E-01	2.06E-04	2.21E-01	3.45E-02	4.10E-01	2.03E-01	1.97E+01	2.21E+00	1.76E-01	2.23E+01	1.97E-01	2.49E-04	2.21E-01	3.45E-02	4.53E-01
4318	495363.09	3856877.25	1.51E-01	2.00E-04	2.24E-01	2.89E-02	4.04E-01	1.99E-01	1.92E+01	2.24E+00	1.48E-01	2.18E+01	1.93E-01	2.43E-04	2.24E-01	2.89E-02	4.47E-01
4319	495863.09	3856877.25	1.48E-01	1.96E-04	2.25E-01	3.14E-02	4.05E-01	1.96E-01	1.88E+01	2.25E+00	1.61E-01	2.14E+01	1.90E-01	2.37E-04	2.25E-01	3.14E-02	4.47E-01
4320	496363.09	3856877.25	1.46E-01	1.91E-04	2.23E-01	3.46E-02	4.04E-01	1.92E-01	1.83E+01	2.23E+00	1.77E-01	2.09E+01	1.87E-01	2.32E-04	2.23E-01	3.46E-02	4.45E-01
4321	496863.09	3856877.25	1.42E-01	1.87E-04	2.20E-01	3.47E-02	3.97E-01	1.88E-01	1.80E+01	2.20E+00	1.77E-01	2.05E+01	1.83E-01	2.27E-04	2.20E-01	3.47E-02	4.37E-01
4322	497363.09	3856877.25	1.39E-01	1.84E-04	2.15E-01	3.46E-02	3.89E-01	1.84E-01	1.77E+01	2.15E+00	1.77E-01	2.02E+01	1.78E-01	2.23E-04	2.15E-01	3.46E-02	4.28E-01
4323	497863.09	3856877.25	1.35E-01	1.81E-04	2.09E-01	3.45E-02	3.79E-01	1.79E-01	1.74E+01	2.09E+00	1.76E-01	1.98E+01	1.73E-01	2.20E-04	2.09E-01	3.45E-02	4.17E-01
4324	498363.09	3856877.25	1.37E-01	1.79E-04	2.02E-01	3.43E-02	3.74E-01	1.81E-01	1.72E+01	2.02E+00	1.75E-01	1.95E+01	1.75E-01	2.17E-04	2.02E-01	3.43E-02	4.12E-01
4325	471363.09	3857377.25	3.47E-01	2.15E-04	4.03E-01	5.83E-02	8.09E-01	4.59E-01	2.06E+01	4.03E+00	2.98E-01	2.54E+01	4.45E-01	2.61E-04	4.03E-01	5.83E-02	9.07E-01
4326	471863.09	3857377.25	3.45E-01	2.16E-04	4.03E-01	5.77E-02	8.06E-01	4.56E-01	2.07E+01	4.03E+00	2.95E-01	2.55E+01	4.43E-01	2.61E-04	4.03E-01	5.77E-02	9.03E-01
4327	472363.09	3857377.25	3.54E-01	2.27E-04	4.16E-01	6.08E-02	8.30E-01	4.67E-01	2.17E+01	4.16E+00	3.11E-01	2.67E+01	4.53E-01	2.75E-04	4.16E-01	6.08E-02	9.30E-01

4328	472863.09	3857377.25	3.67E-01	2.42E-04	4.33E-01	6.53E-02	8.65E-01	4.85E-01	2.32E+01	4.33E+00	3.33E-01	2.83E+01	4.71E-01	2.93E-04	4.33E-01	6.53E-02	9.69E-01
4329	473363.09	3857377.25	3.87E-01	2.64E-04	4.48E-01	7.36E-02	9.10E-01	5.12E-01	2.53E+01	4.48E+00	3.76E-01	3.07E+01	4.97E-01	3.20E-04	4.48E-01	7.36E-02	1.02E+00
4330	473863.09	3857377.25	4.46E-01	2.91E-04	4.49E-01	8.38E-02	9.79E-01	5.89E-01	2.79E+01	4.49E+00	4.28E-01	3.34E+01	5.71E-01	3.52E-04	4.49E-01	8.38E-02	1.10E+00
4331	474363.09	3857377.25	4.12E-01	2.34E-04	4.50E-01	6.43E-02	9.26E-01	5.44E-01	2.25E+01	4.50E+00	3.28E-01	2.78E+01	5.28E-01	2.84E-04	4.50E-01	6.43E-02	1.04E+00
4332	474863.09	3857377.25	2.54E-01	2.08E-04	3.62E-01	4.71E-02	6.63E-01	3.36E-01	2.00E+01	3.62E+00	2.40E-01	2.42E+01	3.26E-01	2.52E-04	3.62E-01	4.71E-02	7.35E-01
4333	475363.09	3857377.25	2.16E-01	2.23E-04	2.13E-01	2.95E-02	4.59E-01	2.85E-01	2.14E+01	2.13E+00	1.50E-01	2.40E+01	2.77E-01	2.71E-04	2.13E-01	2.95E-02	5.20E-01
4334	475863.09	3857377.25	2.38E-01	2.39E-04	2.19E-01	3.09E-02	4.89E-01	3.15E-01	2.29E+01	2.19E+00	1.58E-01	2.56E+01	3.06E-01	2.89E-04	2.19E-01	3.09E-02	5.56E-01
4335	476363.09	3857377.25	2.56E-01	2.54E-04	2.28E-01	3.22E-02	5.17E-01	3.39E-01	2.43E+01	2.28E+00	1.65E-01	2.71E+01	3.29E-01	3.07E-04	2.28E-01	3.22E-02	5.89E-01
4336	476863.09	3857377.25	2.68E-01	2.68E-04	2.35E-01	3.41E-02	5.37E-01	3.53E-01	2.57E+01	2.35E+00	1.74E-01	2.86E+01	3.43E-01	3.25E-04	2.35E-01	3.41E-02	6.12E-01
4337	477363.09	3857377.25	2.73E-01	2.82E-04	2.42E-01	3.75E-02	5.52E-01	3.60E-01	2.71E+01	2.42E+00	1.92E-01	3.00E+01	3.50E-01	3.42E-04	2.42E-01	3.75E-02	6.29E-01
4338	477863.09	3857377.25	2.02E-01	2.94E-04	1.57E-01	4.15E-02	4.01E-01	2.67E-01	2.82E+01	1.57E+00	2.12E-01	3.03E+01	2.59E-01	3.57E-04	1.57E-01	4.15E-02	4.58E-01
4339	478363.09	3857377.25	2.16E-01	3.04E-04	1.62E-01	4.55E-02	4.24E-01	2.86E-01	2.91E+01	1.62E+00	2.33E-01	3.13E+01	2.77E-01	3.68E-04	1.62E-01	4.55E-02	4.85E-01
4340	478863.09	3857377.25	2.19E-01	3.08E-04	1.68E-01	4.92E-02	4.36E-01	2.90E-01	2.96E+01	1.68E+00	2.51E-01	3.18E+01	2.81E-01	3.74E-04	1.68E-01	4.92E-02	4.98E-01
4341	479363.09	3857377.25	2.19E-01	3.18E-04	1.73E-01	4.96E-02	4.42E-01	2.90E-01	3.05E+01	1.73E+00	2.53E-01	3.28E+01	2.81E-01	3.86E-04	1.73E-01	4.96E-02	5.04E-01
4342	479863.09	3857377.25	4.40E-01	3.55E-04	3.50E-01	1.18E-01	9.08E-01	5.81E-01	3.41E+01	3.50E+00	6.04E-01	3.87E+01	5.64E-01	4.30E-04	3.50E-01	1.18E-01	1.03E+00
4343	480363.09	3857377.25	2.77E-01	3.79E-04	2.90E-01	5.72E-02	6.24E-01	3.65E-01	3.63E+01	2.90E+00	2.92E-01	3.99E+01	3.55E-01	4.59E-04	2.90E-01	5.72E-02	7.02E-01
4344	480863.09	3857377.25	8.74E-01	5.25E-04	3.65E-01	1.58E-01	1.40E+00	1.15E+00	5.04E+01	3.65E+00	8.06E-01	5.60E+01	1.12E+00	6.36E-04	3.65E-01	1.58E-01	1.64E+00
4345	481363.09	3857377.25	9.11E-01	5.12E-04	3.50E-01	1.14E-01	1.38E+00	1.20E+00	4.91E+01	3.50E+00	5.82E-01	5.44E+01	1.17E+00	6.20E-04	3.50E-01	1.14E-01	1.63E+00
4346	481863.09	3857377.25	1.02E+00	7.04E-04	3.12E-01	8.62E-02	1.42E+00	1.34E+00	6.75E+01	3.12E+00	4.40E-01	7.25E+01	1.30E+00	8.53E-04	3.12E-01	8.62E-02	1.70E+00
4347	482363.09	3857377.25	1.03E+00	9.53E-04	3.20E-01	9.40E-02	1.45E+00	1.36E+00	9.14E+01	3.20E+00	4.80E-01	9.64E+01	1.32E+00	1.15E-03	3.20E-01	9.40E-02	1.74E+00
4348	482863.09	3857377.25	1.03E+00	1.23E-03	3.17E-01	1.29E-01	1.48E+00	1.36E+00	1.18E+02	3.17E+00	6.61E-01	1.23E+02	1.32E+00	1.49E-03	3.17E-01	1.29E-01	1.77E+00
4349	483363.09	3857377.25	1.06E+00	1.38E-03	3.11E-01	1.48E-01	1.52E+00	1.40E+00	1.33E+02	3.11E+00	7.55E-01	1.38E+02	1.36E+00	1.68E-03	3.11E-01	1.48E-01	1.82E+00
4350	483863.09	3857377.25	1.11E+00	1.95E-03	3.22E-01	2.47E-01	1.68E+00	1.46E+00	1.87E+02	3.22E+00	1.26E+00	1.93E+02	1.42E+00	2.36E-03	3.22E-01	2.47E-01	1.99E+00
4351	484363.09	3857377.25	1.14E+00	4.67E-03	3.68E-01	5.92E-02	1.57E+00	1.50E+00	4.48E+02	3.68E+00	3.02E-01	4.54E+02	1.46E+00	5.66E-03	3.68E-01	5.92E-02	1.89E+00
4352	484863.09	3857377.25	1.21E+00	4.17E-03	4.20E-01	1.24E-01	1.76E+00	1.60E+00	4.00E+02	4.20E+00	6.34E-01	4.07E+02	1.55E+00	5.06E-03	4.20E-01	1.24E-01	2.10E+00
4353	485363.09	3857377.25	1.33E+00	4.23E-03	4.82E-01	1.18E-01	1.94E+00	1.76E+00	4.05E+02	4.82E+00	6.04E-01	4.13E+02	1.71E+00	5.12E-03	4.82E-01	1.18E-01	2.31E+00
4354	485863.09	3857377.25	1.82E+00	3.43E-03	5.10E-01	2.45E-01	2.58E+00	2.41E+00	3.29E+02	5.10E+00	1.25E+00	3.38E+02	2.34E+00	4.16E-03	5.10E-01	2.45E-01	3.09E+00
4355	486363.09	3857377.25	4.85E+00	1.64E-03	4.73E-01	9.63E-02	5.42E+00	6.40E+00	1.57E+02	4.73E+00	4.92E-01	1.69E+02	6.21E+00	1.99E-03	4.73E-01	9.63E-02	6.78E+00
4356	486863.09	3857377.25	1.07E+01	7.61E-04	3.89E-01	1.33E-01	1.12E+01	1.42E+01	7.30E+01	3.89E+00	6.79E-01	9.17E+01	1.37E+01	9.22E-04	3.89E-01	1.33E-01	1.43E+01
4357	487363.09	3857377.25	8.47E+00	9.06E-04	7.51E-01	1.37E-01	9.36E+00	1.12E+01	8.69E+01	7.51E+00	6.98E-01	1.06E+02	1.09E+01	1.10E-03	7.51E-01	1.37E-01	1.17E+01
4358	487863.09	3857377.25	4.94E+00	9.44E-04	9.73E-01	8.59E-02	6.00E+00	6.53E+00	9.06E+01	9.73E+00	4.39E-01	1.07E+02	6.34E+00	1.14E-03	9.73E-01	8.59E-02	7.40E+00
4359	488363.09	3857377.25	3.04E+00	1.09E-03	6.45E-01	8.89E-02	3.77E+00	4.02E+00	1.05E+02	6.45E+00	4.54E-01	1.16E+02	3.90E+00	1.32E-03	6.45E-01	8.89E-02	4.63E+00
4360	488863.09	3857377.25	2.16E+00	1.04E-03	1.03E+00	7.91E-02	3.27E+00	2.85E+00	1.00E+02	1.03E+01	4.04E-01	1.14E+02	2.76E+00	1.27E-03	1.03E+00	7.91E-02	3.88E+00
4361	489363.09	3857377.25	1.82E+00	1.06E-03	7.68E-01	8.95E-02	2.67E+00	2.40E+00	1.02E+02	7.68E+00	4.57E-01	1.12E+02	2.33E+00	1.28E-03	7.68E-01	8.95E-02	3.19E+00
4362	489863.09	3857377.25	1.58E+00	8.06E-04	5.65E-01	6.81E-02	2.21E+00	2.09E+00	7.73E+01	5.65E+00	3.48E-01	8.54E+01	2.03E+00	9.76E-04	5.65E-01	6.81E-02	2.66E+00
4363	490363.09	3857377.25	1.40E+00	6.32E-04	5.33E-01	5.83E-02	1.99E+00	1.85E+00	6.06E+01	5.33E+00	2.98E-01	6.81E+01	1.79E+00	7.66E-04	5.33E-01	5.83E-02	2.38E+00
4364	490863.09	3857377.25	1.27E+00	4.93E-04	5.32E-01	7.62E-02	1.87E+00	1.67E+00	4.73E+01	5.32E+00	3.89E-01	5.47E+01	1.62E+00	5.98E-04	5.32E-01	7.62E-02	2.23E+00
4365	491363.09	3857377.25	1.14E+00	4.47E-04	4.80E-01	6.75E-02	1.69E+00	1.51E+00	4.29E+01	4.80E+00	3.45E-01	4.95E+01	1.46E+00	5.42E-04	4.80E-01	6.75E-02	2.01E+00
4366	491863.09	3857377.25	1.05E+00	3.63E-04	6.37E-01	9.38E-02	1.78E+00	1.39E+00	3.48E+01	6.37E+00	4.79E-01	4.30E+01	1.35E+00	4.40E-04	6.37E-01	9.38E-02	2.08E+00
4367	492363.09	3857377.25	7.82E-01	2.61E-04	1.35E+00	1.47E-01	2.28E+00	1.03E+00	2.50E+01	1.35E+01	7.50E-01	4.03E+01	1.00E+00	3.16E-04	1.35E+00	1.47E-01	2.50E+00
4368	492863.09	3857377.25	6.15E-01	1.80E-04	7.68E-01	7.41E-02	1.46E+00	8.13E-01	1.73E+01	7.68E+00	3.79E-01	2.61E+01	7.89E-01	2.18E-04	7.68E-01	7.41E-02	1.63E+00
4369	493363.09	3857377.25	2.97E-01	1.50E-04	3.19E-01	4.11E-02	6.57E-01	3.92E-01	1.44E+01	3.19E+00	2.10E-01	1.82E+01	3.81E-01	1.82E-04	3.19E-01	4.11E-02	7.41E-01
4370	493863.09	3857377.25	2.83E-01	1.50E-04	3.22E-01	3.48E-02	6.41E-01	3.74E-01	1.44E+01	3.22E+00	1.78E-01	1.81E+01	3.63E-01	1.82E-04	3.22E-01	3.48E-02	7.21E-01
4371	494363.09	3857377.25	2.63E-01	1.53E-04	3.24E-01	3.44E-02	6.21E-01	3.47E-01	1.46E+01	3.24E+00	1.76E-01	1.84E+01	3.37E-01	1.85E-04	3.24E-01	3.44E-02	6.95E-01
4372	494863.09	3857377.25	2.36E-01	1.51E-04	3.16E-01	3.49E-02	5.87E-01	3.12E-01	1.45E+01	3.16E+00	1.78E-01	1.81E+01	3.03E-01	1.83E-04	3.16E-01	3.49E-02	6.54E-01
4373	495363.09	3857377.25	2.05E-01	1.46E-04	3.05E-01	3.47E-02	5.45E-01	2.71E-01	1.40E+01	3.05E+00	1.77E-01	1.75E+01	2.63E-01	1.77E-04	3.05E-01	3.47E-02	6.03E-01
4374	495863.09	3857377.25	1.72E-01	1.41E-04	2.93E-01	3.48E-02	5.00E-01	2.28E-01	1.35E+01	2.93E+00	1.78E-01	1.69E+01	2.21E-01	1.71E-04	2.93E-01	3.48E-02	5.49E-01
4375	496363.09	3857377.25	1.80E-01	1.44E-04	2.80E-01	3.53E-02	4.95E-01	2.38E-01	1.39E+01	2.80E+00	1.81E-01	1.71E+01	2.31E-01	1.75E-04	2.80E-01	3.53E-02	5.46E-01
4376	496863.09	3857377.25	1.72E-01	1.48E-04	2.68E-01	3.58E-02	4.76E-01	2.27E-01	1.42E+01	2.68E+00	1.83E-01	1.73E+01	2.21E-01	1.80E-04	2.68E-01	3.58E-02	5.24E-01
4377	497363.09	3857377.25	1.64E-01	1.52E-04	2.55E-01	3.60E-02	4.55E-01	2.17E-01	1.46E+01	2.55E+00	1.84E-01	1.75E+01	2.10E-01	1.84E-04	2.55E-01	3.60E-02	5.01E-01
4378	497863.09	3857377.25	2.12E-01	1.56E-04	2.42E-01	3.62E-02	4.91E-01	2.80E-01	1.50E+01	2.42E+00	1.85E-01	1.79E+01	2.72E-01	1.89E-04	2.42E-01	3.62E-02	5.51E-01
4379	498363.09	3857377.25	2.91E-01	1.61E-04	2.29E-01	3.61E-02	5.56E-01	3.84E-01	1.54E+01	2.29E+00	1.84E-01	1.83E+01	3.73E-01	1.94E-04	2.29E-01	3.61E-02	6.38E-01
4380	471363.09	3857877.25	3.79E-01	2.02E-04	2.82E-01	6.71E-02	7.28E-01	5.00E-01	1.94E+01	2.82E+00	3.43E-01	2.30E+01	4.86E-01	2.44E-04	2.82E-01	6.71E-02	8.35E-01
4381	471863.09	3857877.25	3.95E-01	1.95E-04	2.91E-01	7.45E-02	7.61E-01	5.21E-01	1.87E+01	2.91E+00	3.81E-01	2.25E+01	5.06E-01	2.36E-04	2.91E-01	7.45E-02	8.72E-01
4382	472363.09	3857877.25	4.13E-01	1.95E-04	3.06E-01	8.41E-02	8.04E-01	5.46E-01	1.87E+01	3.06E+00	4.29E-01	2.27E+01	5.30E-01	2.36E-04	3.06E-01	8.41E-02	9.20E-01
4383	472863.09	3857877.25	4.46E-01	2.09E-04	3.22E-01	9.49E-02	8.63E-01	5.89E-01	2.01E+01	3.22E+00	4.85E-01	2.44E+01	5.72E-01	2.54E-04	3.22E-01	9.49E-02	9.89E-01
4384	473363.09	3857877.25	4.59E-01	2.08E-04	3.36E-01	1.06E-01	9.01E-01	6.06E-01	1.99E+01	3.36E+00	5.42E-01	2.44E+01	5.88E-01	2.52E-04	3.36E-01	1.06E-01	1.03E+00
4385	473863.09	3857877.25	4.85E-01	2.19E-04	3.45E-01	1.15E-01	9.45E-01	6.41E-01	2.10E+01	3.45E+00	5.87E-01	2.57E+01	6.22E-01	2.65E-04	3.45E-01	1.15E-01	1.08E+00
4386	474363.09	3857877.25	4.11E-01	1.78E-04	4.84E-01	2.14E-01	1.11E+00	5.43E-01	1.71E+01	4.84E+00	1.09E+00	2.36E+01	5.27E-01	2.16E-04	4.84E-01	2.14E-01	1.23E+00
4387	474863.09	3857877.25	2.67E-01	1.33E-04	2.51E-01	6.58E-02	5.83E-01	3.52E-01	1.28E+01	2.51E+00	3.36E-01	1.60E+01	3.42E-01	1.61E-04	2.51E-01	6.58E-02	6.59E-01
4388	475363.09	3857877.25	1.78E-01	1.43E-04	1.31E-01	2.72E-02	3.36E-01	2.35E-01	1.37E+01	1.31E+00	1.39E-01	1.54E+01	2.28E-01	1.73E-04	1.31E-01	2.72E-02	3.86E-01

4389	475863.09	3857877.25	1.80E-01	1.60E-04	1.20E-01	3.04E-02	3.30E-01	2.37E-01	1.53E+01	1.20E+00	1.55E-01	1.69E+01	2.30E-01	1.93E-04	1.20E-01	3.04E-02	3.81E-01
4390	476363.09	3857877.25	2.05E-01	1.76E-04	1.40E-01	3.27E-02	3.78E-01	2.71E-01	1.69E+01	1.40E+00	1.67E-01	1.87E+01	2.63E-01	2.13E-04	1.40E-01	3.27E-02	4.36E-01
4391	476863.09	3857877.25	2.75E-01	1.92E-04	2.03E-01	3.55E-02	5.13E-01	3.63E-01	1.84E+01	2.03E+00	1.81E-01	2.09E+01	3.53E-01	2.32E-04	2.03E-01	3.55E-02	5.91E-01
4392	477363.09	3857877.25	2.75E-01	2.07E-04	2.11E-01	3.75E-02	5.24E-01	3.63E-01	1.98E+01	2.11E+00	1.91E-01	2.25E+01	3.52E-01	2.50E-04	2.11E-01	3.75E-02	6.01E-01
4393	477863.09	3857877.25	2.19E-01	2.22E-04	1.96E-01	3.84E-02	4.54E-01	2.90E-01	2.13E+01	1.96E+00	1.96E-01	2.37E+01	2.81E-01	2.69E-04	1.96E-01	3.84E-02	5.16E-01
4394	478363.09	3857877.25	2.19E-01	2.37E-04	1.48E-01	3.87E-02	4.06E-01	2.89E-01	2.27E+01	1.48E+00	1.98E-01	2.47E+01	2.81E-01	2.87E-04	1.48E-01	3.87E-02	4.68E-01
4395	478863.09	3857877.25	2.19E-01	2.54E-04	1.56E-01	4.19E-02	4.17E-01	2.89E-01	2.43E+01	1.56E+00	2.14E-01	2.64E+01	2.81E-01	3.07E-04	1.56E-01	4.19E-02	4.79E-01
4396	479363.09	3857877.25	4.39E-01	2.71E-04	5.91E-01	8.02E-02	1.11E+00	5.79E-01	2.60E+01	5.91E+00	4.10E-01	3.29E+01	5.62E-01	3.29E-04	5.91E-01	8.02E-02	1.23E+00
4397	479863.09	3857877.25	6.59E-01	5.81E-04	7.83E-01	2.89E-01	1.73E+00	8.70E-01	5.57E+01	7.83E+00	1.47E+00	6.59E+01	8.45E-01	7.04E-04	7.83E-01	2.89E-01	1.92E+00
4398	480363.09	3857877.25	7.62E-01	6.20E-04	5.25E-01	1.50E-01	1.44E+00	1.01E+00	5.94E+01	5.25E+00	7.65E-01	6.65E+01	9.77E-01	7.51E-04	5.25E-01	1.50E-01	1.65E+00
4399	480863.09	3857877.25	7.77E-01	6.49E-04	4.49E-01	8.70E-02	1.31E+00	1.03E+00	6.23E+01	4.49E+00	4.44E-01	6.82E+01	9.96E-01	7.87E-04	4.49E-01	8.70E-02	1.53E+00
4400	481363.09	3857877.25	7.72E-01	6.66E-04	4.28E-01	8.38E-02	1.28E+00	1.02E+00	6.39E+01	4.28E+00	4.28E-01	6.96E+01	9.89E-01	8.07E-04	4.28E-01	8.38E-02	1.50E+00
4401	481863.09	3857877.25	8.12E-01	7.32E-04	3.46E-01	1.04E-01	1.26E+00	1.07E+00	7.02E+01	3.46E+00	5.30E-01	7.53E+01	1.04E+00	8.87E-04	3.46E-01	1.04E-01	1.49E+00
4402	482363.09	3857877.25	8.28E-01	7.97E-04	3.72E-01	9.28E-02	1.29E+00	1.09E+00	7.64E+01	3.72E+00	4.74E-01	8.17E+01	1.06E+00	9.65E-04	3.72E-01	9.28E-02	1.53E+00
4403	482863.09	3857877.25	8.14E-01	1.02E-03	3.96E-01	1.22E-01	1.33E+00	1.08E+00	9.81E+01	3.96E+00	6.21E-01	1.04E+02	1.04E+00	1.24E-03	3.96E-01	1.22E-01	1.56E+00
4404	483363.09	3857877.25	8.50E-01	1.12E-03	4.24E-01	2.19E-01	1.49E+00	1.12E+00	1.08E+02	4.24E+00	1.12E+00	1.14E+02	1.09E+00	1.36E-03	4.24E-01	2.19E-01	1.73E+00
4405	483863.09	3857877.25	9.00E-01	1.26E-03	4.58E-01	8.43E-02	1.44E+00	1.19E+00	1.21E+02	4.58E+00	4.31E-01	1.27E+02	1.15E+00	1.52E-03	4.58E-01	8.43E-02	1.70E+00
4406	484363.09	3857877.25	9.55E-01	2.15E-03	4.98E-01	1.49E-01	1.60E+00	1.26E+00	2.06E+02	4.98E+00	7.60E-01	2.13E+02	1.22E+00	2.60E-03	4.98E-01	1.49E-01	1.87E+00
4407	484863.09	3857877.25	9.98E-01	2.86E-03	5.46E-01	5.94E-02	1.61E+00	1.32E+00	2.75E+02	5.46E+00	3.03E-01	2.82E+02	1.28E+00	3.47E-03	5.46E-01	5.94E-02	1.89E+00
4408	485363.09	3857877.25	1.15E+00	2.47E-03	6.01E-01	8.87E-02	1.84E+00	1.52E+00	2.37E+02	6.01E+00	4.53E-01	2.45E+02	1.47E+00	2.99E-03	6.01E-01	8.87E-02	2.16E+00
4409	485863.09	3857877.25	1.36E+00	3.28E-03	6.62E-01	9.11E-02	2.12E+00	1.80E+00	3.14E+02	6.62E+00	4.65E-01	3.23E+02	1.74E+00	3.97E-03	6.62E-01	9.11E-02	2.50E+00
4410	486363.09	3857877.25	1.95E+00	4.64E-03	7.08E-01	1.36E-01	2.80E+00	2.58E+00	4.45E+02	7.08E+00	6.96E-01	4.56E+02	2.50E+00	5.63E-03	7.08E-01	1.36E-01	3.35E+00
4411	486863.09	3857877.25	4.48E+00	1.95E-03	6.71E-01	9.95E-02	5.25E+00	5.92E+00	1.87E+02	6.71E+00	5.08E-01	2.00E+02	5.74E+00	2.37E-03	6.71E-01	9.95E-02	6.52E+00
4412	487363.09	3857877.25	4.89E+00	1.41E-03	1.65E+00	1.11E-01	6.65E+00	6.46E+00	1.35E+02	1.65E+01	5.67E-01	1.59E+02	6.27E+00	1.71E-03	1.65E+00	1.11E-01	8.03E+00
4413	487863.09	3857877.25	5.27E+00	1.25E-03	1.50E+00	8.73E-02	6.85E+00	6.96E+00	1.20E+02	1.50E+01	4.46E-01	1.42E+02	6.75E+00	1.51E-03	1.50E+00	8.73E-02	8.34E+00
4414	488363.09	3857877.25	3.81E+00	1.44E-03	1.69E+00	1.02E-01	5.61E+00	5.03E+00	1.38E+02	1.69E+01	5.19E-01	1.60E+02	4.88E+00	1.74E-03	1.69E+00	1.02E-01	6.68E+00
4415	488863.09	3857877.25	3.09E+00	1.38E-03	1.37E+00	1.16E-01	4.58E+00	4.08E+00	1.32E+02	1.37E+01	5.92E-01	1.51E+02	3.96E+00	1.67E-03	1.37E+00	1.16E-01	5.45E+00
4416	489363.09	3857877.25	2.32E+00	1.24E-03	7.86E-01	1.05E-01	3.21E+00	3.06E+00	1.19E+02	7.86E+00	5.34E-01	1.31E+02	2.97E+00	1.50E-03	7.86E-01	1.05E-01	3.86E+00
4417	489863.09	3857877.25	1.86E+00	8.84E-04	7.65E-01	5.46E-02	2.68E+00	2.45E+00	8.48E+01	7.65E+00	2.79E-01	9.52E+01	2.38E+00	1.07E-03	7.65E-01	5.46E-02	3.20E+00
4418	490363.09	3857877.25	1.62E+00	6.72E-04	7.35E-01	6.11E-02	2.41E+00	2.13E+00	6.45E+01	7.35E+00	3.12E-01	7.43E+01	2.07E+00	8.14E-04	7.35E-01	6.11E-02	2.87E+00
4419	490863.09	3857877.25	1.43E+00	5.95E-04	6.58E-01	5.11E-02	2.14E+00	1.89E+00	5.71E+01	6.58E+00	2.61E-01	6.58E+01	1.84E+00	7.21E-04	6.58E-01	5.11E-02	2.55E+00
4420	491363.09	3857877.25	1.29E+00	4.10E-04	5.84E-01	9.46E-02	1.97E+00	1.71E+00	3.94E+01	5.84E+00	4.83E-01	4.74E+01	1.66E+00	4.97E-04	5.84E-01	9.46E-02	2.34E+00
4421	491863.09	3857877.25	1.14E+00	3.13E-04	7.29E-01	1.73E-01	2.04E+00	1.50E+00	3.00E+01	7.29E+00	8.83E-01	3.97E+01	1.46E+00	3.79E-04	7.29E-01	1.73E-01	2.36E+00
4422	492363.09	3857877.25	6.41E-01	3.14E-04	7.52E-01	8.91E-02	1.48E+00	8.47E-01	3.02E+01	7.52E+00	4.55E-01	3.90E+01	8.22E-01	3.81E-04	7.52E-01	8.91E-02	1.66E+00
4423	492863.09	3857877.25	5.95E-01	1.70E-04	3.62E-01	4.34E-02	1.00E+00	7.86E-01	1.63E+01	3.62E+00	2.21E-01	2.09E+01	7.63E-01	2.05E-04	3.62E-01	4.34E-02	1.17E+00
4424	493363.09	3857877.25	3.29E-01	1.76E-04	3.54E-01	3.84E-02	7.22E-01	4.35E-01	1.69E+01	3.54E+00	1.96E-01	2.11E+01	4.22E-01	2.14E-04	3.54E-01	3.84E-02	8.15E-01
4425	493863.09	3857877.25	3.06E-01	1.83E-04	3.40E-01	3.80E-02	6.84E-01	4.04E-01	1.75E+01	3.40E+00	1.94E-01	2.15E+01	3.92E-01	2.22E-04	3.40E-01	3.80E-02	7.70E-01
4426	494363.09	3857877.25	3.06E-01	1.90E-04	3.24E-01	3.71E-02	6.68E-01	4.05E-01	1.82E+01	3.24E+00	1.90E-01	2.20E+01	3.93E-01	2.30E-04	3.24E-01	3.71E-02	7.54E-01
4427	494863.09	3857877.25	3.04E-01	1.96E-04	3.13E-01	3.71E-02	6.55E-01	4.02E-01	1.88E+01	3.13E+00	1.90E-01	2.26E+01	3.90E-01	2.38E-04	3.13E-01	3.71E-02	7.41E-01
4428	495363.09	3857877.25	2.99E-01	2.03E-04	2.98E-01	3.82E-02	6.35E-01	3.94E-01	1.95E+01	2.98E+00	1.95E-01	2.31E+01	3.83E-01	2.46E-04	2.98E-01	3.82E-02	7.19E-01
4429	495863.09	3857877.25	2.89E-01	2.10E-04	2.83E-01	3.90E-02	6.11E-01	3.81E-01	2.02E+01	2.83E+00	1.99E-01	2.36E+01	3.70E-01	2.55E-04	2.83E-01	3.90E-02	6.92E-01
4430	496363.09	3857877.25	2.74E-01	2.17E-04	2.67E-01	3.95E-02	5.80E-01	3.61E-01	2.08E+01	2.67E+00	2.02E-01	2.41E+01	3.51E-01	2.63E-04	2.67E-01	3.95E-02	6.58E-01
4431	496863.09	3857877.25	2.54E-01	2.24E-04	2.53E-01	3.99E-02	5.47E-01	3.35E-01	2.15E+01	2.53E+00	2.04E-01	2.46E+01	3.25E-01	2.72E-04	2.53E-01	3.99E-02	6.19E-01
4432	497363.09	3857877.25	2.29E-01	2.31E-04	2.41E-01	4.02E-02	5.11E-01	3.03E-01	2.22E+01	2.41E+00	2.05E-01	2.51E+01	2.94E-01	2.80E-04	2.41E-01	4.02E-02	5.76E-01
4433	497863.09	3857877.25	2.19E-01	2.39E-04	2.27E-01	4.00E-02	4.87E-01	2.90E-01	2.29E+01	2.27E+00	2.04E-01	2.56E+01	2.81E-01	2.89E-04	2.27E-01	4.00E-02	5.49E-01
4434	498363.09	3857877.25	3.49E-01	2.45E-04	2.15E-01	3.99E-02	6.04E-01	4.60E-01	2.35E+01	2.15E+00	2.04E-01	2.64E+01	4.47E-01	2.97E-04	2.15E-01	3.99E-02	7.02E-01
4435	471363.09	3858377.25	4.27E-01	1.89E-04	1.46E-01	1.07E-01	6.80E-01	5.64E-01	1.81E+01	1.46E+00	5.48E-01	2.07E+01	5.47E-01	2.29E-04	1.46E-01	1.07E-01	8.01E-01
4436	471863.09	3858377.25	4.28E-01	1.81E-04	1.50E-01	1.15E-01	6.93E-01	5.65E-01	1.74E+01	1.50E+00	5.89E-01	2.00E+01	5.48E-01	2.20E-04	1.50E-01	1.15E-01	8.13E-01
4437	472363.09	3858377.25	4.29E-01	1.78E-04	1.54E-01	1.22E-01	7.04E-01	5.67E-01	1.70E+01	1.54E+00	6.21E-01	1.98E+01	5.50E-01	2.15E-04	1.54E-01	1.22E-01	8.25E-01
4438	472863.09	3858377.25	4.45E-01	1.92E-04	1.58E-01	1.25E-01	7.29E-01	5.88E-01	1.84E+01	1.58E+00	6.40E-01	2.12E+01	5.71E-01	2.33E-04	1.58E-01	1.25E-01	8.54E-01
4439	473363.09	3858377.25	4.86E-01	2.35E-04	1.63E-01	1.12E-01	7.61E-01	6.43E-01	2.25E+01	1.63E+00	5.73E-01	2.54E+01	6.24E-01	2.84E-04	1.63E-01	1.12E-01	8.99E-01
4440	473863.09	3858377.25	4.73E-01	2.18E-04	1.67E-01	1.24E-01	7.64E-01	6.24E-01	2.09E+01	1.67E+00	6.32E-01	2.38E+01	6.06E-01	2.64E-04	1.67E-01	1.24E-01	8.97E-01
4441	474363.09	3858377.25	3.84E-01	1.69E-04	1.71E-01	1.06E-01	6.62E-01	5.07E-01	1.62E+01	1.71E+00	5.43E-01	1.89E+01	4.92E-01	2.04E-04	1.71E-01	1.06E-01	7.70E-01
4442	474863.09	3858377.25	2.86E-01	1.69E-04	1.76E-01	6.13E-02	5.24E-01	3.78E-01	1.62E+01	1.76E+00	3.13E-01	1.87E+01	3.67E-01	2.05E-04	1.76E-01	6.13E-02	6.04E-01
4443	475363.09	3858377.25	2.74E-01	1.28E-04	1.81E-01	3.30E-02	4.88E-01	3.62E-01	1.23E+01	1.81E+00	1.69E-01	1.47E+01	3.51E-01	1.56E-04	1.81E-01	3.30E-02	5.66E-01
4444	475863.09	3858377.25	2.19E-01	1.29E-04	1.85E-01	2.90E-02	4.33E-01	2.89E-01	1.24E+01	1.85E+00	1.48E-01	1.47E+01	2.81E-01	1.57E-04	1.85E-01	2.90E-02	4.95E-01
4445	476363.09	3858377.25	2.19E-01	1.31E-04	1.91E-01	3.09E-02	4.41E-01	2.89E-01	1.25E+01	1.91E+00	1.58E-01	1.49E+01	2.81E-01	1.58E-04	1.91E-01	3.09E-02	5.03E-01
4446	476863.09	3858377.25	2.19E-01	1.32E-04	1.98E-01	3.25E-02	4.49E-01	2.89E-01	1.27E+01	1.98E+00	1.66E-01	1.51E+01	2.81E-01	1.60E-04	1.98E-01	3.25E-02	5.11E-01
4447	477363.09	3858377.25	2.19E-01	1.33E-04	2.04E-01	3.37E-02	4.56E-01	2.89E-01	1.28E+01	2.04E+00	1.72E-01	1.53E+01	2.80E-01	1.61E-04	2.04E-01	3.37E-02	5.18E-01
4448	477863.09	3858377.25	2.66E-01	1.43E-04	2.12E-01	3.22E-02	5.10E-01	3.51E-01	1.37E+01	2.12E+00	1.65E-01	1.64E+01	3.41E-01	1.73E-04	2.12E-01	3.22E-02	5.85E-01
4449	478363.09	3858377.25	2.60E-01	1.61E-04	2.19E-01	3.10E-02	5.10E-01	3.44E-01	1.54E+01	2.19E+00	1.58E-01	1.81E+01	3.34E-01	1.95E-04	2.19E-01	3.10E-02	5.84E-01

4450	478863.09	3858377.25	2.18E-01	1.77E-04	2.24E-01	3.30E-02	4.75E-01	2.88E-01	1.69E+01	2.24E+00	1.68E-01	1.96E+01	2.80E-01	2.14E-04	2.24E-01	3.30E-02	5.37E-01
4451	479363.09	3858377.25	4.38E-01	1.91E-04	3.26E-01	1.04E-01	8.68E-01	5.79E-01	1.83E+01	3.26E+00	5.30E-01	2.26E+01	5.62E-01	2.31E-04	3.26E-01	1.04E-01	9.91E-01
4452	479863.09	3858377.25	6.11E-01	4.08E-04	3.82E-01	1.95E-01	1.19E+00	8.07E-01	3.91E+01	3.82E+00	9.98E-01	4.47E+01	7.83E-01	4.94E-04	3.82E-01	1.95E-01	1.36E+00
4453	480363.09	3858377.25	6.36E-01	4.89E-04	3.02E-01	1.31E-01	1.07E+00	8.41E-01	4.69E+01	3.02E+00	6.70E-01	5.14E+01	8.16E-01	5.92E-04	3.02E-01	1.31E-01	1.25E+00
4454	480863.09	3858377.25	6.63E-01	5.25E-04	3.17E-01	8.13E-02	1.06E+00	8.76E-01	5.04E+01	3.17E+00	4.16E-01	5.48E+01	8.50E-01	6.36E-04	3.17E-01	8.13E-02	1.25E+00
4455	481363.09	3858377.25	6.97E-01	5.81E-04	3.31E-01	7.00E-02	1.10E+00	9.20E-01	5.57E+01	3.31E+00	3.58E-01	6.03E+01	8.93E-01	7.04E-04	3.31E-01	7.00E-02	1.29E+00
4456	481863.09	3858377.25	7.30E-01	5.92E-04	3.71E-01	8.78E-02	1.19E+00	9.64E-01	5.68E+01	3.71E+00	4.48E-01	6.19E+01	9.36E-01	7.17E-04	3.71E-01	8.78E-02	1.40E+00
4457	482363.09	3858377.25	7.75E-01	6.60E-04	3.81E-01	1.01E-01	1.26E+00	1.02E+00	6.33E+01	3.81E+00	5.14E-01	6.86E+01	9.93E-01	7.99E-04	3.81E-01	1.01E-01	1.48E+00
4458	482863.09	3858377.25	8.11E-01	8.93E-04	3.53E-01	1.67E-01	1.33E+00	1.07E+00	8.56E+01	3.53E+00	8.51E-01	9.11E+01	1.04E+00	1.08E-03	3.53E-01	1.67E-01	1.56E+00
4459	483363.09	3858377.25	7.95E-01	1.09E-03	3.46E-01	7.32E-02	1.22E+00	1.05E+00	1.04E+02	3.46E+00	3.74E-01	1.09E+02	1.02E+00	1.32E-03	3.46E-01	7.32E-02	1.44E+00
4460	483863.09	3858377.25	7.67E-01	1.21E-03	3.04E-01	6.47E-02	1.14E+00	1.01E+00	1.16E+02	3.04E+00	3.30E-01	1.21E+02	9.84E-01	1.47E-03	3.04E-01	6.47E-02	1.35E+00
4461	484363.09	3858377.25	8.17E-01	1.36E-03	3.09E-01	9.83E-02	1.23E+00	1.08E+00	1.31E+02	3.09E+00	5.02E-01	1.36E+02	1.05E+00	1.65E-03	3.09E-01	9.83E-02	1.46E+00
4462	484863.09	3858377.25	8.81E-01	2.27E-03	3.65E-01	6.58E-02	1.31E+00	1.16E+00	2.18E+02	3.65E+00	3.36E-01	2.23E+02	1.13E+00	2.75E-03	3.65E-01	6.58E-02	1.56E+00
4463	485363.09	3858377.25	1.01E+00	2.00E-03	4.40E-01	9.55E-02	1.55E+00	1.33E+00	1.91E+02	4.40E+00	4.88E-01	1.98E+02	1.29E+00	2.42E-03	4.40E-01	9.55E-02	1.83E+00
4464	485863.09	3858377.25	1.11E+00	2.80E-03	5.15E-01	1.67E-01	1.80E+00	1.47E+00	2.69E+02	5.15E+00	8.51E-01	2.76E+02	1.43E+00	3.40E-03	5.15E-01	1.67E-01	2.11E+00
4465	486363.09	3858377.25	1.47E+00	4.50E-03	5.36E-01	3.71E-01	2.38E+00	1.94E+00	4.32E+02	5.36E+00	1.89E+00	4.41E+02	1.89E+00	5.46E-03	5.36E-01	3.71E-01	2.80E+00
4466	486863.09	3858377.25	2.59E+00	4.17E-03	5.32E-01	1.64E-01	3.29E+00	3.43E+00	4.00E+02	5.32E+00	8.39E-01	4.09E+02	3.32E+00	5.05E-03	5.32E-01	1.64E-01	4.03E+00
4467	487363.09	3858377.25	4.21E+00	2.35E-03	5.76E-01	9.20E-02	4.88E+00	5.56E+00	2.25E+02	5.76E+00	4.70E-01	2.37E+02	5.40E+00	2.84E-03	5.76E-01	9.20E-02	6.07E+00
4468	487863.09	3858377.25	3.55E+00	1.91E-03	7.71E-01	1.61E-01	4.48E+00	4.69E+00	1.84E+02	7.71E+00	8.22E-01	1.97E+02	4.55E+00	2.32E-03	7.71E-01	1.61E-01	5.48E+00
4469	488363.09	3858377.25	3.54E+00	2.05E-03	2.37E+00	9.36E-02	6.01E+00	4.68E+00	1.96E+02	2.37E+01	4.78E-01	2.25E+02	4.54E+00	2.48E-03	2.37E+00	9.36E-02	7.01E+00
4470	488863.09	3858377.25	3.07E+00	1.86E-03	1.38E+00	1.24E-01	4.58E+00	4.06E+00	1.78E+02	1.38E+01	6.32E-01	1.97E+02	3.94E+00	2.25E-03	1.38E+00	1.24E-01	5.45E+00
4471	489363.09	3858377.25	2.73E+00	1.30E-03	7.45E-01	8.11E-02	3.56E+00	3.61E+00	1.25E+02	7.45E+00	4.14E-01	1.36E+02	3.51E+00	1.57E-03	7.45E-01	8.11E-02	4.33E+00
4472	489863.09	3858377.25	2.39E+00	9.68E-04	6.25E-01	6.37E-02	3.08E+00	3.16E+00	9.29E+01	6.25E+00	3.26E-01	1.03E+02	3.06E+00	1.17E-03	6.25E-01	6.37E-02	3.75E+00
4473	490363.09	3858377.25	1.91E+00	8.19E-04	5.33E-01	5.69E-02	2.50E+00	2.53E+00	7.85E+01	5.33E+00	2.90E-01	8.67E+01	2.45E+00	9.92E-04	5.33E-01	5.69E-02	3.04E+00
4474	490863.09	3858377.25	1.62E+00	7.06E-04	4.55E-01	5.46E-02	2.13E+00	2.13E+00	6.77E+01	4.55E+00	2.79E-01	7.46E+01	2.07E+00	8.55E-04	4.55E-01	5.46E-02	2.58E+00
4475	491363.09	3858377.25	1.36E+00	5.50E-04	4.80E-01	9.99E-02	1.94E+00	1.80E+00	5.27E+01	4.80E+00	5.10E-01	5.98E+01	1.74E+00	6.66E-04	4.80E-01	9.99E-02	2.32E+00
4476	491863.09	3858377.25	1.17E+00	3.84E-04	1.61E+00	1.49E-01	2.93E+00	1.54E+00	3.68E+01	1.61E+01	7.59E-01	5.53E+01	1.50E+00	4.65E-04	1.61E+00	1.49E-01	3.26E+00
4477	492363.09	3858377.25	4.04E-01	2.88E-04	8.73E-01	4.49E-02	1.32E+00	5.33E-01	2.77E+01	8.73E+00	2.29E-01	3.72E+01	5.18E-01	3.49E-04	8.73E-01	4.49E-02	1.44E+00
4478	492863.09	3858377.25	5.09E-01	2.97E-04	1.28E+00	6.79E-02	1.86E+00	6.72E-01	2.85E+01	1.28E+01	3.47E-01	4.24E+01	6.52E-01	3.60E-04	1.28E+00	6.79E-02	2.00E+00
4479	493363.09	3858377.25	3.31E-01	3.06E-04	5.10E-01	4.40E-02	8.85E-01	4.37E-01	2.94E+01	5.10E+00	2.25E-01	3.52E+01	4.24E-01	3.71E-04	5.10E-01	4.40E-02	9.78E-01
4480	493863.09	3858377.25	4.15E-01	3.15E-04	3.28E-01	4.55E-02	7.88E-01	5.48E-01	3.02E+01	3.28E+00	2.32E-01	3.43E+01	5.32E-01	3.82E-04	3.28E-01	4.55E-02	9.06E-01
4481	494363.09	3858377.25	4.81E-01	3.23E-04	3.07E-01	4.30E-02	8.31E-01	6.35E-01	3.10E+01	3.07E+00	2.20E-01	3.49E+01	6.16E-01	3.91E-04	3.07E-01	4.30E-02	9.66E-01
4482	494863.09	3858377.25	3.28E-01	3.30E-04	2.98E-01	4.43E-02	6.70E-01	4.33E-01	3.17E+01	2.98E+00	2.26E-01	3.53E+01	4.20E-01	4.00E-04	2.98E-01	4.43E-02	7.63E-01
4483	495363.09	3858377.25	2.81E-01	3.37E-04	2.40E-01	4.54E-02	5.67E-01	3.72E-01	3.23E+01	2.40E+00	2.32E-01	3.53E+01	3.61E-01	4.08E-04	2.40E-01	4.54E-02	6.47E-01
4484	495863.09	3858377.25	2.92E-01	3.42E-04	2.24E-01	4.57E-02	5.62E-01	3.86E-01	3.28E+01	2.24E+00	2.33E-01	3.57E+01	3.74E-01	4.14E-04	2.24E-01	4.57E-02	6.44E-01
4485	496363.09	3858377.25	2.98E-01	3.46E-04	2.09E-01	4.58E-02	5.52E-01	3.93E-01	3.32E+01	2.09E+00	2.34E-01	3.59E+01	3.81E-01	4.20E-04	2.09E-01	4.58E-02	6.36E-01
4486	496863.09	3858377.25	2.99E-01	3.50E-04	1.98E-01	4.54E-02	5.43E-01	3.95E-01	3.35E+01	1.98E+00	2.32E-01	3.62E+01	3.84E-01	4.24E-04	1.98E-01	4.54E-02	6.28E-01
4487	497363.09	3858377.25	2.97E-01	3.52E-04	2.19E-01	4.51E-02	5.61E-01	3.92E-01	3.38E+01	2.19E+00	2.31E-01	3.66E+01	3.81E-01	4.27E-04	2.19E-01	4.51E-02	6.45E-01
4488	497863.09	3858377.25	5.83E-01	3.54E-04	2.33E-01	4.45E-02	8.60E-01	7.70E-01	3.39E+01	2.33E+00	2.27E-01	3.73E+01	7.47E-01	4.29E-04	2.33E-01	4.45E-02	1.02E+00
4489	498363.09	3858377.25	5.66E-01	3.55E-04	3.15E-01	4.38E-02	9.25E-01	7.47E-01	3.40E+01	3.15E+00	2.24E-01	3.81E+01	7.25E-01	4.30E-04	3.15E-01	4.38E-02	1.08E+00
4490	471363.09	3858877.25	4.25E-01	1.96E-04	2.01E-01	1.05E-01	7.31E-01	5.61E-01	1.88E+01	2.01E+00	5.34E-01	2.19E+01	5.45E-01	2.38E-04	2.01E-01	1.05E-01	8.51E-01
4491	471863.09	3858877.25	4.23E-01	1.89E-04	2.22E-01	1.03E-01	7.48E-01	5.59E-01	1.81E+01	2.22E+00	5.25E-01	2.14E+01	5.43E-01	2.29E-04	2.22E-01	1.03E-01	8.67E-01
4492	472363.09	3858877.25	4.41E-01	2.05E-04	2.42E-01	9.43E-02	7.77E-01	5.83E-01	1.96E+01	2.42E+00	4.82E-01	2.31E+01	5.66E-01	2.48E-04	2.42E-01	9.43E-02	9.02E-01
4493	472863.09	3858877.25	4.52E-01	2.14E-04	2.62E-01	8.47E-02	8.00E-01	5.98E-01	2.05E+01	2.62E+00	4.32E-01	2.42E+01	5.80E-01	2.59E-04	2.62E-01	8.47E-02	9.27E-01
4494	473363.09	3858877.25	4.71E-01	2.45E-04	2.68E-01	6.82E-02	8.07E-01	6.22E-01	2.35E+01	2.68E+00	3.48E-01	2.72E+01	6.04E-01	2.97E-04	2.68E-01	6.82E-02	9.40E-01
4495	473863.09	3858877.25	4.61E-01	2.23E-04	3.12E-01	6.55E-02	8.38E-01	6.09E-01	2.14E+01	3.12E+00	3.34E-01	2.54E+01	5.91E-01	2.70E-04	3.12E-01	6.55E-02	9.68E-01
4496	474363.09	3858877.25	4.43E-01	1.68E-04	4.59E-01	1.00E-01	1.00E+00	5.86E-01	1.61E+01	4.59E+00	5.13E-01	2.18E+01	5.68E-01	2.03E-04	4.59E-01	1.00E-01	1.13E+00
4497	474863.09	3858877.25	2.66E-01	1.19E-04	1.53E-01	2.88E-02	4.48E-01	3.51E-01	1.14E+01	1.53E+00	1.47E-01	1.35E+01	3.40E-01	1.45E-04	1.53E-01	2.88E-02	5.23E-01
4498	475363.09	3858877.25	2.19E-01	1.21E-04	1.54E-01	2.99E-02	4.02E-01	2.89E-01	1.16E+01	1.54E+00	1.53E-01	1.36E+01	2.81E-01	1.47E-04	1.54E-01	2.99E-02	4.64E-01
4499	475863.09	3858877.25	2.19E-01	1.32E-04	1.55E-01	2.99E-02	4.03E-01	2.89E-01	1.26E+01	1.55E+00	1.53E-01	1.46E+01	2.80E-01	1.60E-04	1.55E-01	2.99E-02	4.65E-01
4500	476363.09	3858877.25	2.18E-01	1.39E-04	1.46E-01	3.13E-02	3.95E-01	2.89E-01	1.33E+01	1.46E+00	1.60E-01	1.52E+01	2.80E-01	1.68E-04	1.46E-01	3.13E-02	4.57E-01
4501	476863.09	3858877.25	2.18E-01	1.43E-04	1.53E-01	2.92E-02	4.01E-01	2.88E-01	1.37E+01	1.53E+00	1.49E-01	1.57E+01	2.80E-01	1.73E-04	1.53E-01	2.92E-02	4.62E-01
4502	477363.09	3858877.25	2.18E-01	1.43E-04	1.53E-01	2.85E-02	3.99E-01	2.88E-01	1.37E+01	1.53E+00	1.46E-01	1.57E+01	2.79E-01	1.73E-04	1.53E-01	2.85E-02	4.61E-01
4503	477863.09	3858877.25	2.18E-01	1.38E-04	1.56E-01	3.07E-02	4.05E-01	2.88E-01	1.33E+01	1.56E+00	1.57E-01	1.53E+01	2.79E-01	1.68E-04	1.56E-01	3.07E-02	4.66E-01
4504	478363.09	3858877.25	2.34E-01	1.69E-04	3.75E-01	4.49E-02	6.54E-01	3.09E-01	1.62E+01	3.75E+00	2.29E-01	2.05E+01	3.00E-01	2.05E-04	3.75E-01	4.49E-02	7.20E-01
4505	478863.09	3858877.25	2.21E-01	1.73E-04	2.22E-01	4.55E-02	4.89E-01	2.92E-01	1.66E+01	2.22E+00	2.33E-01	1.93E+01	2.84E-01	2.09E-04	2.22E-01	4.55E-02	5.51E-01
4506	479363.09	3858877.25	2.20E-01	1.42E-04	1.66E-01	3.07E-02	4.16E-01	2.91E-01	1.36E+01	1.66E+00	1.57E-01	1.57E+01	2.82E-01	1.72E-04	1.66E-01	3.07E-02	4.78E-01
4507	479863.09	3858877.25	5.78E-01	3.23E-04	5.10E-01	1.40E-01	1.23E+00	7.64E-01	3.09E+01	5.10E+00	7.14E-01	3.75E+01	7.41E-01	3.91E-04	5.10E-01	1.40E-01	1.39E+00
4508	480363.09	3858877.25	6.10E-01	4.14E-04	3.86E-01	1.04E-01	1.10E+00	8.06E-01	3.97E+01	3.86E+00	5.30E-01	4.49E+01	7.82E-01	5.01E-04	3.86E-01	1.04E-01	1.27E+00
4509	480863.09	3858877.25	6.38E-01	4.71E-04	3.14E-01	6.10E-02	1.01E+00	8.42E-01	4.51E+01	3.14E+00	3.12E-01	4.94E+01	8.17E-01	5.70E-04	3.14E-01	6.10E-02	1.19E+00
4510	481363.09	3858877.25	6.64E-01	4.99E-04	2.61E-01	6.13E-02	9.86E-01	8.77E-01	4.78E+01	2.61E+00	3.13E-01	5.16E+01	8.51E-01	6.04E-04	2.61E-01	6.13E-02	1.17E+00

4511	481863.09	3858877.25	6.91E-01	5.51E-04	2.51E-01	6.43E-02	1.01E+00	9.12E-01	5.29E+01	2.51E+00	3.28E-01	5.66E+01	8.85E-01	6.68E-04	2.51E-01	6.43E-02	1.20E+00
4512	482363.09	3858877.25	7.07E-01	5.62E-04	2.87E-01	1.17E-01	1.11E+00	9.34E-01	5.39E+01	2.87E+00	5.95E-01	5.83E+01	9.07E-01	6.81E-04	2.87E-01	1.17E-01	1.31E+00
4513	482863.09	3858877.25	7.10E-01	6.39E-04	3.28E-01	6.74E-02	1.11E+00	9.38E-01	6.13E+01	3.28E+00	3.44E-01	6.58E+01	9.10E-01	7.74E-04	3.28E-01	6.74E-02	1.31E+00
4514	483363.09	3858877.25	6.97E-01	9.99E-04	3.68E-01	5.76E-02	1.12E+00	9.21E-01	9.58E+01	3.68E+00	2.94E-01	1.01E+02	8.94E-01	1.21E-03	3.68E-01	5.76E-02	1.32E+00
4515	483863.09	3858877.25	7.13E-01	1.11E-03	4.01E-01	6.13E-02	1.18E+00	9.42E-01	1.06E+02	4.01E+00	3.13E-01	1.12E+02	9.14E-01	1.34E-03	4.01E-01	6.13E-02	1.38E+00
4516	484363.09	3858877.25	7.47E-01	1.27E-03	4.31E-01	8.96E-02	1.27E+00	9.87E-01	1.22E+02	4.31E+00	4.58E-01	1.28E+02	9.58E-01	1.54E-03	4.31E-01	8.96E-02	1.48E+00
4517	484863.09	3858877.25	7.96E-01	1.55E-03	4.38E-01	1.30E-01	1.37E+00	1.05E+00	1.48E+02	4.38E+00	6.62E-01	1.55E+02	1.02E+00	1.88E-03	4.38E-01	1.30E-01	1.59E+00
4518	485363.09	3858877.25	9.11E-01	1.95E-03	4.01E-01	1.33E-01	1.45E+00	1.20E+00	1.87E+02	4.01E+00	6.78E-01	1.93E+02	1.17E+00	2.36E-03	4.01E-01	1.33E-01	1.70E+00
4519	485863.09	3858877.25	9.92E-01	2.62E-03	5.52E-01	1.23E-01	1.67E+00	1.31E+00	2.51E+02	5.52E+00	6.30E-01	2.59E+02	1.27E+00	3.17E-03	5.52E-01	1.23E-01	1.95E+00
4520	486363.09	3858877.25	1.20E+00	4.27E-03	5.36E-01	1.20E-01	1.86E+00	1.59E+00	4.10E+02	5.36E+00	6.13E-01	4.17E+02	1.54E+00	5.17E-03	5.36E-01	1.20E-01	2.20E+00
4521	486863.09	3858877.25	1.49E+00	4.68E-03	4.47E-01	8.15E-02	2.02E+00	1.97E+00	4.49E+02	4.47E+00	4.16E-01	4.56E+02	1.91E+00	5.67E-03	4.47E-01	8.15E-02	2.44E+00
4522	487363.09	3858877.25	3.00E+00	4.22E-03	3.67E-01	8.18E-02	3.46E+00	3.97E+00	4.04E+02	3.67E+00	4.18E-01	4.13E+02	3.85E+00	5.11E-03	3.67E-01	8.18E-02	4.30E+00
4523	487863.09	3858877.25	3.32E+00	2.96E-03	2.00E-01	1.01E-01	3.62E+00	4.38E+00	2.84E+02	2.00E+00	5.15E-01	2.91E+02	4.25E+00	3.59E-03	2.00E-01	1.01E-01	4.56E+00
4524	488363.09	3858877.25	2.91E+00	3.15E-03	2.79E-01	1.13E-01	3.30E+00	3.84E+00	3.02E+02	2.79E+00	5.79E-01	3.09E+02	3.73E+00	3.82E-03	2.79E-01	1.13E-01	4.12E+00
4525	488863.09	3858877.25	2.80E+00	2.36E-03	4.22E-01	1.39E-01	3.36E+00	3.70E+00	2.27E+02	4.22E+00	7.12E-01	2.35E+02	3.59E+00	2.86E-03	4.22E-01	1.39E-01	4.15E+00
4526	489363.09	3858877.25	2.55E+00	1.65E-03	6.12E-01	7.86E-02	3.24E+00	3.37E+00	1.59E+02	6.12E+00	4.02E-01	1.68E+02	3.27E+00	2.00E-03	6.12E-01	7.86E-02	3.96E+00
4527	489863.09	3858877.25	2.15E+00	1.37E-03	5.36E-01	7.21E-02	2.76E+00	2.84E+00	1.31E+02	5.36E+00	3.68E-01	1.40E+02	2.76E+00	1.66E-03	5.36E-01	7.21E-02	3.37E+00
4528	490363.09	3858877.25	2.20E+00	1.09E-03	3.91E-01	6.38E-02	2.66E+00	2.91E+00	1.04E+02	3.91E+00	3.26E-01	1.11E+02	2.82E+00	1.31E-03	3.91E-01	6.38E-02	3.28E+00
4529	490863.09	3858877.25	1.94E+00	8.93E-04	4.09E-01	8.04E-02	2.43E+00	2.56E+00	8.56E+01	4.09E+00	4.10E-01	9.27E+01	2.48E+00	1.08E-03	4.09E-01	8.04E-02	2.97E+00
4530	491363.09	3858877.25	1.73E+00	8.76E-04	1.29E+00	1.14E-01	3.14E+00	2.29E+00	8.40E+01	1.29E+01	5.80E-01	9.97E+01	2.22E+00	1.06E-03	1.29E+00	1.14E-01	3.63E+00
4531	491863.09	3858877.25	9.88E-01	4.34E-04	1.62E+00	9.01E-02	2.70E+00	1.31E+00	4.16E+01	1.62E+01	4.60E-01	5.96E+01	1.27E+00	5.25E-04	1.62E+00	9.01E-02	2.98E+00
4532	492363.09	3858877.25	1.10E+00	4.28E-04	1.61E+00	1.38E-01	2.85E+00	1.45E+00	4.11E+01	1.61E+01	7.04E-01	5.94E+01	1.41E+00	5.19E-04	1.61E+00	1.38E-01	3.16E+00
4533	492863.09	3858877.25	1.14E+00	4.22E-04	7.79E-01	1.16E-01	2.03E+00	1.50E+00	4.05E+01	7.79E+00	5.92E-01	5.04E+01	1.46E+00	5.11E-04	7.79E-01	1.16E-01	2.35E+00
4534	493363.09	3858877.25	1.00E+00	4.15E-04	7.95E-01	1.35E-01	1.93E+00	1.32E+00	3.98E+01	7.95E+00	6.91E-01	4.97E+01	1.28E+00	5.03E-04	7.95E-01	1.35E-01	2.22E+00
4535	493863.09	3858877.25	6.78E-01	4.07E-04	9.81E-01	8.73E-02	1.75E+00	8.95E-01	3.90E+01	9.81E+00	4.46E-01	5.02E+01	8.69E-01	4.93E-04	9.81E-01	8.73E-02	1.94E+00
4536	494363.09	3858877.25	5.40E-01	3.98E-04	1.34E+00	8.62E-02	1.97E+00	7.14E-01	3.82E+01	1.34E+01	4.40E-01	5.28E+01	6.93E-01	4.82E-04	1.34E+00	8.62E-02	2.12E+00
4537	494863.09	3858877.25	4.11E-01	3.89E-04	6.40E-01	5.07E-02	1.10E+00	5.42E-01	3.73E+01	6.40E+00	2.59E-01	4.45E+01	5.26E-01	4.72E-04	6.40E-01	5.07E-02	1.22E+00
4538	495363.09	3858877.25	3.14E-01	3.80E-04	4.03E-01	5.09E-02	7.68E-01	4.14E-01	3.65E+01	4.03E+00	2.60E-01	4.12E+01	4.02E-01	4.61E-04	4.03E-01	5.09E-02	8.57E-01
4539	495863.09	3858877.25	3.16E-01	3.71E-04	3.50E-01	5.05E-02	7.17E-01	4.17E-01	3.56E+01	3.50E+00	2.58E-01	3.98E+01	4.05E-01	4.50E-04	3.50E-01	5.05E-02	8.06E-01
4540	496363.09	3858877.25	3.88E-01	3.63E-04	3.40E-01	4.98E-02	7.77E-01	5.12E-01	3.48E+01	3.40E+00	2.54E-01	3.90E+01	4.97E-01	4.40E-04	3.40E-01	4.98E-02	8.87E-01
4541	496863.09	3858877.25	4.49E-01	3.55E-04	3.30E-01	4.89E-02	8.28E-01	5.93E-01	3.40E+01	3.30E+00	2.50E-01	3.82E+01	5.75E-01	4.30E-04	3.30E-01	4.89E-02	9.55E-01
4542	497363.09	3858877.25	4.98E-01	3.47E-04	3.15E-01	4.80E-02	8.61E-01	6.58E-01	3.33E+01	3.15E+00	2.45E-01	3.73E+01	6.38E-01	4.20E-04	3.15E-01	4.80E-02	1.00E+00
4543	497863.09	3858877.25	5.38E-01	3.40E-04	6.07E-01	4.66E-02	1.19E+00	7.11E-01	3.26E+01	6.07E+00	2.38E-01	3.96E+01	6.90E-01	4.12E-04	6.07E-01	4.66E-02	1.34E+00
4544	498363.09	3858877.25	5.69E-01	3.33E-04	8.25E-01	5.37E-02	1.45E+00	7.51E-01	3.20E+01	8.25E+00	2.74E-01	4.12E+01	7.29E-01	4.04E-04	8.25E-01	5.37E-02	1.61E+00
4545	471363.09	3859377.25	4.02E-01	1.89E-04	3.82E-01	6.24E-02	8.47E-01	5.32E-01	1.81E+01	3.82E+00	3.19E-01	2.28E+01	5.16E-01	2.29E-04	3.82E-01	6.24E-02	9.61E-01
4546	471863.09	3859377.25	4.29E-01	1.91E-04	3.96E-01	5.60E-02	8.82E-01	5.67E-01	1.83E+01	3.96E+00	2.86E-01	2.31E+01	5.51E-01	2.32E-04	3.96E-01	5.60E-02	1.00E+00
4547	472363.09	3859377.25	4.45E-01	2.09E-04	3.91E-01	5.64E-02	8.92E-01	5.88E-01	2.01E+01	3.91E+00	2.88E-01	2.49E+01	5.70E-01	2.54E-04	3.91E-01	5.64E-02	1.02E+00
4548	472863.09	3859377.25	4.51E-01	2.20E-04	3.89E-01	5.83E-02	8.98E-01	5.96E-01	2.11E+01	3.89E+00	2.98E-01	2.59E+01	5.78E-01	2.66E-04	3.89E-01	5.83E-02	1.03E+00
4549	473363.09	3859377.25	4.54E-01	2.38E-04	3.71E-01	5.55E-02	8.81E-01	6.00E-01	2.28E+01	3.71E+00	2.84E-01	2.74E+01	5.82E-01	2.88E-04	3.71E-01	5.55E-02	1.01E+00
4550	473863.09	3859377.25	4.53E-01	2.52E-04	3.86E-01	5.74E-02	8.97E-01	5.98E-01	2.42E+01	3.86E+00	2.93E-01	2.89E+01	5.81E-01	3.05E-04	3.86E-01	5.74E-02	1.02E+00
4551	474363.09	3859377.25	4.44E-01	1.56E-04	5.78E-01	6.87E-02	1.09E+00	5.87E-01	1.49E+01	5.78E+00	3.51E-01	2.16E+01	5.70E-01	1.89E-04	5.78E-01	6.87E-02	1.22E+00
4552	474863.09	3859377.25	4.37E-01	1.56E-04	3.54E-01	4.42E-02	8.36E-01	5.77E-01	1.49E+01	3.54E+00	2.26E-01	1.93E+01	5.60E-01	1.89E-04	3.54E-01	4.42E-02	9.59E-01
4553	475363.09	3859377.25	2.18E-01	1.41E-04	1.13E-01	2.90E-02	3.60E-01	2.88E-01	1.36E+01	1.13E+00	1.48E-01	1.51E+01	2.80E-01	1.71E-04	1.13E-01	2.90E-02	4.21E-01
4554	475863.09	3859377.25	2.18E-01	1.39E-04	1.12E-01	2.59E-02	3.56E-01	2.88E-01	1.33E+01	1.12E+00	1.32E-01	1.49E+01	2.79E-01	1.68E-04	1.12E-01	2.59E-02	4.17E-01
4555	476363.09	3859377.25	2.17E-01	1.31E-04	1.12E-01	2.75E-02	3.56E-01	2.86E-01	1.26E+01	1.12E+00	1.40E-01	1.42E+01	2.78E-01	1.59E-04	1.12E-01	2.75E-02	4.18E-01
4556	476863.09	3859377.25	2.15E-01	1.19E-04	1.11E-01	2.97E-02	3.56E-01	2.84E-01	1.14E+01	1.11E+00	1.52E-01	1.29E+01	2.75E-01	1.44E-04	1.11E-01	2.97E-02	4.16E-01
4557	477363.09	3859377.25	2.10E-01	1.07E-04	1.10E-01	3.01E-02	3.50E-01	2.77E-01	1.03E+01	1.10E+00	1.54E-01	1.18E+01	2.69E-01	1.30E-04	1.10E-01	3.01E-02	4.09E-01
4558	477863.09	3859377.25	2.20E-01	1.19E-04	1.18E-01	2.83E-02	3.66E-01	2.90E-01	1.14E+01	1.18E+00	1.45E-01	1.30E+01	2.82E-01	1.44E-04	1.18E-01	2.83E-02	4.28E-01
4559	478363.09	3859377.25	2.21E-01	1.64E-04	3.89E-01	5.14E-02	6.62E-01	2.92E-01	1.57E+01	3.89E+00	2.63E-01	2.02E+01	2.84E-01	1.99E-04	3.89E-01	5.14E-02	7.24E-01
4560	478863.09	3859377.25	3.42E-01	1.66E-04	1.52E+00	8.98E-02	1.96E+00	4.52E-01	1.59E+01	1.52E+01	4.59E-01	3.21E+01	4.39E-01	2.01E-04	1.52E+00	8.98E-02	2.05E+00
4561	479363.09	3859377.25	4.70E-01	1.68E-04	1.76E+00	1.62E-01	2.39E+00	6.20E-01	1.61E+01	1.76E+01	8.26E-01	3.51E+01	6.02E-01	2.04E-04	1.76E+00	1.62E-01	2.52E+00
4562	479863.09	3859377.25	5.42E-01	2.39E-04	1.02E+00	9.56E-02	1.66E+00	7.15E-01	2.30E+01	1.02E+01	4.88E-01	3.44E+01	6.94E-01	2.90E-04	1.02E+00	9.56E-02	1.81E+00
4563	480363.09	3859377.25	5.82E-01	3.60E-04	3.48E-01	6.80E-02	9.99E-01	7.68E-01	3.45E+01	3.48E+00	3.48E-01	3.91E+01	7.46E-01	4.36E-04	3.48E-01	6.80E-02	1.16E+00
4564	480863.09	3859377.25	6.01E-01	4.33E-04	2.74E-01	4.99E-02	9.25E-01	7.93E-01	4.16E+01	2.74E+00	2.55E-01	4.53E+01	7.70E-01	5.25E-04	2.74E-01	4.99E-02	1.09E+00
4565	481363.09	3859377.25	6.02E-01	4.78E-04	2.95E-01	5.15E-02	9.49E-01	7.95E-01	4.59E+01	2.95E+00	2.63E-01	4.99E+01	7.72E-01	5.80E-04	2.95E-01	5.15E-02	1.12E+00
4566	481863.09	3859377.25	6.10E-01	5.07E-04	3.13E-01	6.94E-02	9.93E-01	8.06E-01	4.86E+01	3.13E+00	3.55E-01	5.29E+01	7.82E-01	6.14E-04	3.13E-01	6.94E-02	1.17E+00
4567	482363.09	3859377.25	6.37E-01	5.17E-04	3.58E-01	5.46E-02	1.05E+00	8.41E-01	4.96E+01	3.58E+00	2.79E-01	5.43E+01	8.16E-01	6.26E-04	3.58E-01	5.46E-02	1.23E+00
4568	482863.09	3859377.25	6.65E-01	5.80E-04	3.69E-01	5.61E-02	1.09E+00	8.78E-01	5.56E+01	3.69E+00	2.87E-01	6.05E+01	8.52E-01	7.02E-04	3.69E-01	5.61E-02	1.28E+00
4569	483363.09	3859377.25	6.82E-01	7.60E-04	3.29E-01	5.80E-02	1.07E+00	9.00E-01	7.29E+01	3.29E+00	2.96E-01	7.73E+01	8.74E-01	9.20E-04	3.29E-01	5.80E-02	1.26E+00
4570	483863.09	3859377.25	6.57E-01	9.83E-04	2.99E-01	6.55E-02	1.02E+00	8.68E-01	9.43E+01	2.99E+00	3.35E-01	9.85E+01	8.43E-01	1.19E-03	2.99E-01	6.55E-02	1.21E+00
4571	484363.09	3859377.25	6.79E-01	1.13E-03	3.93E-01	9.69E-02	1.17E+00	8.97E-01	1.09E+02	3.93E+00	4.95E-01	1.14E+02	8.71E-01	1.37E-03	3.93E-01	9.69E-02	1.36E+00

4572	484863.09	3859377.25	7.52E-01	1.31E-03	4.70E-01	1.55E-01	1.38E+00	9.93E-01	1.26E+02	4.70E+00	7.89E-01	1.32E+02	9.64E-01	1.59E-03	4.70E-01	1.55E-01	1.59E+00
4573	485363.09	3859377.25	8.34E-01	1.55E-03	4.52E-01	2.04E-01	1.49E+00	1.10E+00	1.49E+02	4.52E+00	1.04E+00	1.55E+02	1.07E+00	1.88E-03	4.52E-01	2.04E-01	1.73E+00
4574	485863.09	3859377.25	8.90E-01	1.92E-03	3.43E-01	2.33E-01	1.47E+00	1.18E+00	1.84E+02	3.43E+00	1.19E+00	1.90E+02	1.14E+00	2.32E-03	3.43E-01	2.33E-01	1.72E+00
4575	486363.09	3859377.25	9.99E-01	2.58E-03	4.04E-01	2.28E-01	1.63E+00	1.32E+00	2.47E+02	4.04E+00	1.17E+00	2.54E+02	1.28E+00	3.12E-03	4.04E-01	2.28E-01	1.92E+00
4576	486863.09	3859377.25	1.24E+00	4.95E-03	3.10E-01	2.73E-01	1.83E+00	1.64E+00	4.75E+02	3.10E+00	1.40E+00	4.81E+02	1.59E+00	6.00E-03	3.10E-01	2.73E-01	2.18E+00
4577	487363.09	3859377.25	1.68E+00	5.00E-03	2.04E-01	1.78E-01	2.07E+00	2.22E+00	4.80E+02	2.04E+00	9.11E-01	4.85E+02	2.15E+00	6.06E-03	2.04E-01	1.78E-01	2.54E+00
4578	487863.09	3859377.25	3.04E+00	3.57E-03	2.17E-01	1.57E-01	3.42E+00	4.02E+00	3.42E+02	2.17E+00	8.00E-01	3.49E+02	3.90E+00	4.32E-03	2.17E-01	1.57E-01	4.28E+00
4579	488363.09	3859377.25	2.25E+00	4.21E-03	2.42E-01	4.36E-01	2.94E+00	2.98E+00	4.03E+02	2.42E+00	2.23E+00	4.11E+02	2.89E+00	5.10E-03	2.42E-01	4.36E-01	3.57E+00
4580	488863.09	3859377.25	2.40E+00	3.73E-03	4.33E-01	1.13E-01	2.95E+00	3.18E+00	3.58E+02	4.33E+00	5.75E-01	3.66E+02	3.08E+00	4.52E-03	4.33E-01	1.13E-01	3.63E+00
4581	489363.09	3859377.25	2.33E+00	2.14E-03	3.47E-01	8.62E-02	2.77E+00	3.08E+00	2.06E+02	3.47E+00	4.41E-01	2.13E+02	2.99E+00	2.60E-03	3.47E-01	8.62E-02	3.42E+00
4582	489863.09	3859377.25	2.04E+00	1.71E-03	5.20E-01	7.62E-02	2.64E+00	2.70E+00	1.64E+02	5.20E+00	3.89E-01	1.73E+02	2.62E+00	2.08E-03	5.20E-01	7.62E-02	3.21E+00
4583	490363.09	3859377.25	1.83E+00	1.35E-03	5.65E-01	7.54E-02	2.47E+00	2.42E+00	1.30E+02	5.65E+00	3.85E-01	1.38E+02	2.35E+00	1.64E-03	5.65E-01	7.54E-02	2.99E+00
4584	490863.09	3859377.25	1.67E+00	8.68E-04	4.78E-01	7.54E-02	2.22E+00	2.21E+00	8.33E+01	4.78E+00	3.85E-01	9.07E+01	2.14E+00	1.05E-03	4.78E-01	7.54E-02	2.70E+00
4585	491363.09	3859377.25	2.08E+00	5.76E-04	7.12E-01	1.52E-01	2.95E+00	2.75E+00	5.52E+01	7.12E+00	7.78E-01	6.59E+01	2.67E+00	6.97E-04	7.12E-01	1.52E-01	3.54E+00
4586	491863.09	3859377.25	1.75E+00	5.58E-04	4.15E-01	9.29E-02	2.26E+00	2.31E+00	5.35E+01	4.15E+00	4.74E-01	6.05E+01	2.24E+00	6.76E-04	4.15E-01	9.29E-02	2.75E+00
4587	492363.09	3859377.25	1.50E+00	5.40E-04	4.64E-01	8.85E-02	2.05E+00	1.98E+00	5.18E+01	4.64E+00	4.52E-01	5.89E+01	1.92E+00	6.54E-04	4.64E-01	8.85E-02	2.48E+00
4588	492863.09	3859377.25	1.31E+00	5.47E-04	5.32E-01	7.97E-02	1.93E+00	1.74E+00	5.24E+01	5.32E+00	4.07E-01	5.99E+01	1.69E+00	6.62E-04	5.32E-01	7.97E-02	2.30E+00
4589	493363.09	3859377.25	1.16E+00	5.14E-04	7.10E-01	8.65E-02	1.96E+00	1.54E+00	4.93E+01	7.10E+00	4.42E-01	5.84E+01	1.49E+00	6.23E-04	7.10E-01	8.65E-02	2.29E+00
4590	493863.09	3859377.25	1.03E+00	5.08E-04	6.31E-01	9.26E-02	1.75E+00	1.36E+00	4.87E+01	6.31E+00	4.73E-01	5.68E+01	1.32E+00	6.15E-04	6.31E-01	9.26E-02	2.04E+00
4591	494363.09	3859377.25	9.84E-01	3.12E-04	8.34E-01	9.84E-02	1.92E+00	1.30E+00	3.00E+01	8.34E+00	5.02E-01	4.01E+01	1.26E+00	3.79E-04	8.34E-01	9.84E-02	2.19E+00
4592	494863.09	3859377.25	8.16E-01	2.84E-04	1.04E+00	1.07E-01	1.96E+00	1.08E+00	2.72E+01	1.04E+01	5.44E-01	3.92E+01	1.05E+00	3.44E-04	1.04E+00	1.07E-01	2.19E+00
4593	495363.09	3859377.25	7.39E-01	3.07E-04	8.56E-01	1.02E-01	1.70E+00	9.77E-01	2.95E+01	8.56E+00	5.21E-01	3.95E+01	9.48E-01	3.72E-04	8.56E-01	1.02E-01	1.91E+00
4594	495863.09	3859377.25	6.11E-01	3.25E-04	6.13E-01	8.12E-02	1.31E+00	8.07E-01	3.12E+01	6.13E+00	4.15E-01	3.85E+01	7.83E-01	3.94E-04	6.13E-01	8.12E-02	1.48E+00
4595	496363.09	3859377.25	6.21E-01	3.36E-04	5.12E-01	7.71E-02	1.21E+00	8.21E-01	3.22E+01	5.12E+00	3.94E-01	3.86E+01	7.97E-01	4.07E-04	5.12E-01	7.71E-02	1.39E+00
4596	496863.09	3859377.25	5.23E-01	2.52E-04	4.78E-01	4.68E-02	1.05E+00	6.91E-01	2.41E+01	4.78E+00	2.39E-01	2.98E+01	6.71E-01	3.05E-04	4.78E-01	4.68E-02	1.20E+00
4597	497363.09	3859377.25	5.77E-01	3.35E-04	6.32E-01	6.51E-02	1.27E+00	7.63E-01	3.22E+01	6.32E+00	3.33E-01	3.96E+01	7.40E-01	4.06E-04	6.32E-01	6.51E-02	1.44E+00
4598	497863.09	3859377.25	6.22E-01	3.27E-04	6.82E-01	8.55E-02	1.39E+00	8.21E-01	3.14E+01	6.82E+00	4.37E-01	3.95E+01	7.97E-01	3.96E-04	6.82E-01	8.55E-02	1.56E+00
4599	498363.09	3859377.25	6.26E-01	5.04E-04	4.67E-01	7.32E-02	1.17E+00	8.28E-01	4.83E+01	4.67E+00	3.74E-01	5.42E+01	8.03E-01	6.10E-04	4.67E-01	7.32E-02	1.34E+00
4600	471363.09	3859877.25	4.51E-01	2.17E-04	2.74E-01	5.34E-02	7.78E-01	5.95E-01	2.09E+01	2.74E+00	2.73E-01	2.45E+01	5.78E-01	2.63E-04	2.74E-01	5.34E-02	9.06E-01
4601	471863.09	3859877.25	4.53E-01	2.39E-04	2.54E-01	5.00E-02	7.57E-01	5.98E-01	2.30E+01	2.54E+00	2.55E-01	2.63E+01	5.80E-01	2.90E-04	2.54E-01	5.00E-02	8.85E-01
4602	472363.09	3859877.25	4.52E-01	2.58E-04	2.38E-01	4.47E-02	7.35E-01	5.98E-01	2.48E+01	2.38E+00	2.28E-01	2.80E+01	5.80E-01	3.13E-04	2.38E-01	4.47E-02	8.63E-01
4603	472863.09	3859877.25	4.54E-01	2.72E-04	2.07E-01	3.64E-02	6.98E-01	6.00E-01	2.61E+01	2.07E+00	1.86E-01	2.90E+01	5.82E-01	3.30E-04	2.07E-01	3.64E-02	8.26E-01
4604	473363.09	3859877.25	4.55E-01	2.80E-04	1.79E-01	4.02E-02	6.75E-01	6.02E-01	2.68E+01	1.79E+00	2.05E-01	2.94E+01	5.84E-01	3.39E-04	1.79E-01	4.02E-02	8.04E-01
4605	473863.09	3859877.25	4.54E-01	2.79E-04	1.84E-01	5.01E-02	6.88E-01	6.00E-01	2.67E+01	1.84E+00	2.56E-01	2.94E+01	5.82E-01	3.38E-04	1.84E-01	5.01E-02	8.17E-01
4606	474363.09	3859877.25	4.43E-01	1.81E-04	8.05E-01	1.47E-01	1.40E+00	5.86E-01	1.73E+01	8.05E+00	7.51E-01	2.67E+01	5.68E-01	2.19E-04	8.05E-01	1.47E-01	1.52E+00
4607	474863.09	3859877.25	4.33E-01	1.28E-04	1.03E+00	1.36E-01	1.60E+00	5.72E-01	1.23E+01	1.03E+01	6.95E-01	2.39E+01	5.55E-01	1.55E-04	1.03E+00	1.36E-01	1.72E+00
4608	475363.09	3859877.25	2.17E-01	1.31E-04	2.73E-01	3.44E-02	5.24E-01	2.86E-01	1.26E+01	2.73E+00	1.76E-01	1.58E+01	2.78E-01	1.59E-04	2.73E-01	3.44E-02	5.85E-01
4609	475863.09	3859877.25	2.00E-01	1.16E-04	1.16E-01	2.92E-02	3.45E-01	2.64E-01	1.11E+01	1.16E+00	1.49E-01	1.27E+01	2.56E-01	1.40E-04	1.16E-01	2.92E-02	4.02E-01
4610	476363.09	3859877.25	1.82E-01	8.35E-05	1.28E-01	2.80E-02	3.37E-01	2.40E-01	8.01E+00	1.28E+00	1.43E-01	9.67E+00	2.33E-01	1.01E-04	1.28E-01	2.80E-02	3.89E-01
4611	476863.09	3859877.25	1.82E-01	8.64E-05	1.37E-01	2.68E-02	3.46E-01	2.40E-01	8.28E+00	1.37E+00	1.37E-01	1.00E+01	2.33E-01	1.05E-04	1.37E-01	2.68E-02	3.97E-01
4612	477363.09	3859877.25	1.81E-01	1.03E-04	1.46E-01	2.45E-02	3.52E-01	2.39E-01	9.87E+00	1.46E+00	1.25E-01	1.17E+01	2.32E-01	1.25E-04	1.46E-01	2.45E-02	4.03E-01
4613	477863.09	3859877.25	1.92E-01	1.16E-04	1.65E-01	3.11E-02	3.88E-01	2.54E-01	1.12E+01	1.65E+00	1.59E-01	1.32E+01	2.46E-01	1.41E-04	1.65E-01	3.11E-02	4.43E-01
4614	478363.09	3859877.25	2.32E-01	1.61E-04	5.03E-01	5.75E-02	7.92E-01	3.06E-01	1.54E+01	5.03E+00	2.94E-01	2.10E+01	2.97E-01	1.94E-04	5.03E-01	5.75E-02	8.57E-01
4615	478863.09	3859877.25	3.47E-01	1.65E-04	1.61E+00	1.13E-01	2.07E+00	4.59E-01	1.58E+01	1.61E+01	5.78E-01	3.29E+01	4.45E-01	2.00E-04	1.61E+00	1.13E-01	2.16E+00
4616	479363.09	3859877.25	4.78E-01	1.95E-04	1.28E+00	1.36E-01	1.90E+00	6.31E-01	1.87E+01	1.28E+01	6.94E-01	3.29E+01	6.13E-01	2.37E-04	1.28E+00	1.36E-01	2.03E+00
4617	479863.09	3859877.25	5.30E-01	3.14E-04	5.31E-01	1.11E-01	1.17E+00	7.01E-01	3.01E+01	5.31E+00	5.67E-01	3.67E+01	6.80E-01	3.80E-04	5.31E-01	1.11E-01	1.32E+00
4618	480363.09	3859877.25	5.34E-01	4.28E-04	3.13E-01	4.06E-02	8.87E-01	7.05E-01	4.10E+01	3.13E+00	2.07E-01	4.50E+01	6.84E-01	5.18E-04	3.13E-01	4.06E-02	1.04E+00
4619	480863.09	3859877.25	5.36E-01	4.87E-04	3.25E-01	3.83E-02	8.99E-01	7.08E-01	4.67E+01	3.25E+00	1.96E-01	5.08E+01	6.87E-01	5.89E-04	3.25E-01	3.83E-02	1.05E+00
4620	481363.09	3859877.25	5.59E-01	5.26E-04	3.02E-01	3.99E-02	9.01E-01	7.38E-01	5.05E+01	3.02E+00	2.04E-01	5.44E+01	7.16E-01	6.37E-04	3.02E-01	3.99E-02	1.06E+00
4621	481863.09	3859877.25	5.79E-01	5.48E-04	2.57E-01	4.15E-02	8.79E-01	7.65E-01	5.26E+01	2.57E+00	2.12E-01	5.61E+01	7.43E-01	6.64E-04	2.57E-01	4.15E-02	1.04E+00
4622	482363.09	3859877.25	6.02E-01	6.13E-04	2.55E-01	4.33E-02	9.01E-01	7.95E-01	5.88E+01	2.55E+00	2.21E-01	6.24E+01	7.71E-01	7.43E-04	2.55E-01	4.33E-02	1.07E+00
4623	482863.09	3859877.25	6.25E-01	6.96E-04	3.03E-01	4.53E-02	9.74E-01	8.26E-01	6.67E+01	3.03E+00	2.31E-01	7.08E+01	8.02E-01	8.43E-04	3.03E-01	4.53E-02	1.15E+00
4624	483363.09	3859877.25	6.33E-01	8.08E-04	3.68E-01	5.82E-02	1.06E+00	8.37E-01	7.75E+01	3.68E+00	2.97E-01	8.24E+01	8.12E-01	9.79E-04	3.68E-01	5.82E-02	1.24E+00
4625	483863.09	3859877.25	6.16E-01	1.00E-03	3.92E-01	6.77E-02	1.08E+00	8.14E-01	9.61E+01	3.92E+00	3.46E-01	1.01E+02	7.90E-01	1.21E-03	3.92E-01	6.77E-02	1.25E+00
4626	484363.09	3859877.25	6.89E-01	1.06E-03	3.62E-01	5.25E-02	1.11E+00	9.11E-01	1.01E+02	3.62E+00	2.68E-01	1.06E+02	8.84E-01	1.28E-03	3.62E-01	5.25E-02	1.30E+00
4627	484863.09	3859877.25	7.45E-01	1.08E-03	3.09E-01	6.49E-02	1.12E+00	9.84E-01	1.03E+02	3.09E+00	3.32E-01	1.08E+02	9.55E-01	1.31E-03	3.09E-01	6.49E-02	1.33E+00
4628	485363.09	3859877.25	7.69E-01	1.08E-03	3.81E-01	6.64E-02	1.22E+00	1.02E+00	1.04E+02	3.81E+00	3.39E-01	1.09E+02	9.86E-01	1.31E-03	3.81E-01	6.64E-02	1.43E+00
4629	485863.09	3859877.25	8.16E-01	1.38E-03	3.81E-01	7.74E-02	1.28E+00	1.08E+00	1.33E+02	3.81E+00	3.95E-01	1.38E+02	1.05E+00	1.67E-03	3.81E-01	7.74E-02	1.51E+00
4630	486363.09	3859877.25	8.71E-01	1.26E-03	3.41E-01	9.44E-02	1.31E+00	1.15E+00	1.21E+02	3.41E+00	4.82E-01	1.26E+02	1.12E+00	1.53E-03	3.41E-01	9.44E-02	1.55E+00
4631	486863.09	3859877.25	1.08E+00	1.65E-03	2.13E-01	1.40E-01	1.44E+00	1.43E+00	1.58E+02	2.13E+00	7.14E-01	1.62E+02	1.39E+00	1.99E-03	2.13E-01	1.40E-01	1.74E+00
4632	487363.09	3859877.25	1.25E+00	3.45E-03	2.15E-01	1.19E-01	1.59E+00	1.65E+00	3.31E+02	2.15E+00	6.09E-01	3.35E+02	1.61E+00	4.18E-03	2.15E-01	1.19E-01	1.94E+00

4633	487863.09	3859877.25	2.11E+00	4.41E-03	4.52E-01	8.81E-02	2.65E+00	2.79E+00	4.23E+02	4.52E+00	4.50E-01	4.31E+02	2.70E+00	5.35E-03	4.52E-01	8.81E-02	3.25E+00
4634	488363.09	3859877.25	2.67E+00	4.32E-03	3.47E-01	2.28E-01	3.25E+00	3.52E+00	4.14E+02	3.47E+00	1.16E+00	4.22E+02	3.42E+00	5.23E-03	3.47E-01	2.28E-01	4.00E+00
4635	488863.09	3859877.25	2.07E+00	2.74E-03	3.79E-01	3.37E-01	2.79E+00	2.73E+00	2.63E+02	3.79E+00	1.72E+00	2.71E+02	2.65E+00	3.32E-03	3.79E-01	3.37E-01	3.37E+00
4636	489363.09	3859877.25	2.01E+00	2.91E-03	3.77E-01	2.32E-01	2.62E+00	2.66E+00	2.79E+02	3.77E+00	1.19E+00	2.87E+02	2.58E+00	3.53E-03	3.77E-01	2.32E-01	3.19E+00
4637	489863.09	3859877.25	1.96E+00	2.25E-03	3.32E-01	1.54E-01	2.45E+00	2.59E+00	2.16E+02	3.32E+00	7.86E-01	2.23E+02	2.51E+00	2.73E-03	3.32E-01	1.54E-01	3.00E+00
4638	490363.09	3859877.25	1.72E+00	1.55E-03	4.15E-01	1.05E-01	2.24E+00	2.27E+00	1.49E+02	4.15E+00	5.39E-01	1.56E+02	2.20E+00	1.88E-03	4.15E-01	1.05E-01	2.72E+00
4639	490863.09	3859877.25	1.63E+00	1.26E-03	4.16E-01	7.99E-02	2.13E+00	2.16E+00	1.21E+02	4.16E+00	4.08E-01	1.28E+02	2.09E+00	1.53E-03	4.16E-01	7.99E-02	2.59E+00
4640	491363.09	3859877.25	1.45E+00	1.13E-03	4.72E-01	7.44E-02	1.99E+00	1.91E+00	1.09E+02	4.72E+00	3.80E-01	1.16E+02	1.85E+00	1.37E-03	4.72E-01	7.44E-02	2.40E+00
4641	491863.09	3859877.25	1.42E+00	9.71E-04	4.24E-01	7.01E-02	1.92E+00	1.88E+00	9.31E+01	4.24E+00	3.58E-01	9.96E+01	1.83E+00	1.18E-03	4.24E-01	7.01E-02	2.32E+00
4642	492363.09	3859877.25	1.41E+00	8.91E-04	3.63E-01	6.61E-02	1.83E+00	1.86E+00	8.55E+01	3.63E+00	3.38E-01	9.13E+01	1.80E+00	1.08E-03	3.63E-01	6.61E-02	2.23E+00
4643	492863.09	3859877.25	1.31E+00	7.52E-04	3.90E-01	6.20E-02	1.76E+00	1.72E+00	7.21E+01	3.90E+00	3.17E-01	7.81E+01	1.67E+00	9.11E-04	3.90E-01	6.20E-02	2.13E+00
4644	493363.09	3859877.25	1.15E+00	6.59E-04	3.62E-01	5.87E-02	1.57E+00	1.52E+00	6.32E+01	3.62E+00	3.00E-01	6.86E+01	1.47E+00	7.98E-04	3.62E-01	5.87E-02	1.89E+00
4645	493863.09	3859877.25	1.01E+00	5.95E-04	3.32E-01	5.56E-02	1.40E+00	1.34E+00	5.71E+01	3.32E+00	2.84E-01	6.20E+01	1.30E+00	7.21E-04	3.32E-01	5.56E-02	1.69E+00
4646	494363.09	3859877.25	1.03E+00	5.15E-04	4.39E-01	6.96E-02	1.54E+00	1.36E+00	4.94E+01	4.39E+00	3.55E-01	5.55E+01	1.32E+00	6.24E-04	4.39E-01	6.96E-02	1.83E+00
4647	494863.09	3859877.25	9.15E-01	5.08E-04	4.39E-01	7.37E-02	1.43E+00	1.21E+00	4.87E+01	4.39E+00	3.77E-01	5.47E+01	1.17E+00	6.16E-04	4.39E-01	7.37E-02	1.69E+00
4648	495363.09	3859877.25	9.01E-01	4.97E-04	4.42E-01	9.12E-02	1.43E+00	1.19E+00	4.77E+01	4.42E+00	4.66E-01	5.38E+01	1.15E+00	6.03E-04	4.42E-01	9.12E-02	1.69E+00
4649	495863.09	3859877.25	8.76E-01	4.84E-04	5.33E-01	1.05E-01	1.52E+00	1.16E+00	4.64E+01	5.33E+00	5.38E-01	5.34E+01	1.12E+00	5.86E-04	5.33E-01	1.05E-01	1.76E+00
4650	496363.09	3859877.25	7.98E-01	2.71E-04	8.05E-01	1.02E-01	1.70E+00	1.05E+00	2.60E+01	8.05E+00	5.22E-01	3.56E+01	1.02E+00	3.29E-04	8.05E-01	1.02E-01	1.93E+00
4651	496863.09	3859877.25	4.71E-01	2.27E-04	4.66E-01	4.18E-02	9.79E-01	6.23E-01	2.18E+01	4.66E+00	2.14E-01	2.73E+01	6.04E-01	2.75E-04	4.66E-01	4.18E-02	1.11E+00
4652	497363.09	3859877.25	6.28E-01	2.85E-04	7.93E-01	9.68E-02	1.52E+00	8.29E-01	2.74E+01	7.93E+00	4.94E-01	3.66E+01	8.05E-01	3.46E-04	7.93E-01	9.68E-02	1.69E+00
4653	497863.09	3859877.25	7.01E-01	4.23E-04	3.80E-01	9.01E-02	1.17E+00	9.26E-01	4.06E+01	3.80E+00	4.60E-01	4.58E+01	8.99E-01	5.13E-04	3.80E-01	9.01E-02	1.37E+00
4654	498363.09	3859877.25	5.98E-01	4.57E-04	2.88E-01	4.65E-02	9.33E-01	7.91E-01	4.38E+01	2.88E+00	2.38E-01	4.77E+01	7.67E-01	5.54E-04	2.88E-01	4.65E-02	1.10E+00
4655	471363.09	3860377.25	4.54E-01	2.73E-04	2.17E-01	3.93E-02	7.11E-01	6.00E-01	2.62E+01	2.17E+00	2.01E-01	2.91E+01	5.82E-01	3.31E-04	2.17E-01	3.93E-02	8.39E-01
4656	471863.09	3860377.25	4.53E-01	2.76E-04	2.31E-01	4.01E-02	7.25E-01	5.99E-01	2.64E+01	2.31E+00	2.05E-01	2.96E+01	5.81E-01	3.34E-04	2.31E-01	4.01E-02	8.53E-01
4657	472363.09	3860377.25	4.53E-01	2.71E-04	2.22E-01	4.49E-02	7.20E-01	5.98E-01	2.60E+01	2.22E+00	2.29E-01	2.90E+01	5.80E-01	3.28E-04	2.22E-01	4.49E-02	8.47E-01
4658	472863.09	3860377.25	4.50E-01	2.58E-04	1.93E-01	4.79E-02	6.92E-01	5.94E-01	2.47E+01	1.93E+00	2.45E-01	2.75E+01	5.77E-01	3.12E-04	1.93E-01	4.79E-02	8.19E-01
4659	473363.09	3860377.25	4.41E-01	2.68E-04	1.86E-01	4.66E-02	6.74E-01	5.83E-01	2.57E+01	1.86E+00	2.38E-01	2.84E+01	5.66E-01	3.25E-04	1.86E-01	4.66E-02	7.98E-01
4660	473863.09	3860377.25	4.22E-01	2.76E-04	2.15E-01	5.52E-02	6.92E-01	5.57E-01	2.65E+01	2.15E+00	2.82E-01	2.95E+01	5.41E-01	3.35E-04	2.15E-01	5.52E-02	8.11E-01
4661	474363.09	3860377.25	3.89E-01	2.59E-04	3.76E-01	8.16E-02	8.47E-01	5.14E-01	2.49E+01	3.76E+00	4.17E-01	2.96E+01	4.99E-01	3.14E-04	3.76E-01	8.16E-02	9.57E-01
4662	474863.09	3860377.25	3.79E-01	2.20E-04	1.13E+00	1.69E-01	1.68E+00	5.01E-01	2.11E+01	1.13E+01	8.62E-01	3.38E+01	4.86E-01	2.67E-04	1.13E+00	1.69E-01	1.79E+00
4663	475363.09	3860377.25	3.35E-01	1.57E-04	1.45E+00	1.17E-01	1.90E+00	4.43E-01	1.50E+01	1.45E+01	5.97E-01	3.06E+01	4.30E-01	1.90E-04	1.45E+00	1.17E-01	2.00E+00
4664	475863.09	3860377.25	2.86E-01	1.57E-04	9.81E-01	4.29E-02	1.31E+00	3.78E-01	1.51E+01	9.81E+00	2.19E-01	2.55E+01	3.66E-01	1.90E-04	9.81E-01	4.29E-02	1.39E+00
4665	476363.09	3860377.25	2.21E-01	1.57E-04	3.73E-01	3.28E-02	6.27E-01	2.91E-01	1.51E+01	3.73E+00	1.68E-01	1.92E+01	2.83E-01	1.90E-04	3.73E-01	3.28E-02	6.89E-01
4666	476863.09	3860377.25	2.19E-01	1.56E-04	2.51E-01	3.97E-02	5.10E-01	2.89E-01	1.50E+01	2.51E+00	2.03E-01	1.80E+01	2.80E-01	1.89E-04	2.51E-01	3.97E-02	5.71E-01
4667	477363.09	3860377.25	1.85E-01	9.40E-05	1.54E-01	2.79E-02	3.67E-01	2.44E-01	9.02E+00	1.54E+00	1.42E-01	1.09E+01	2.37E-01	1.14E-04	1.54E-01	2.79E-02	4.19E-01
4668	477863.09	3860377.25	2.06E-01	9.71E-05	2.04E-01	3.10E-02	4.41E-01	2.72E-01	9.31E+00	2.04E+00	1.58E-01	1.18E+01	2.64E-01	1.18E-04	2.04E-01	3.10E-02	4.99E-01
4669	478363.09	3860377.25	2.55E-01	1.50E-04	3.57E-01	4.64E-02	6.59E-01	3.37E-01	1.44E+01	3.57E+00	2.37E-01	1.86E+01	3.27E-01	1.82E-04	3.57E-01	4.64E-02	7.31E-01
4670	478863.09	3860377.25	3.62E-01	1.79E-04	5.23E-01	6.41E-02	9.49E-01	4.78E-01	1.72E+01	5.23E+00	3.27E-01	2.32E+01	4.64E-01	2.17E-04	5.23E-01	6.41E-02	1.05E+00
4671	479363.09	3860377.25	4.60E-01	1.94E-04	5.88E-01	9.47E-02	1.14E+00	6.08E-01	1.86E+01	5.88E+00	4.84E-01	2.56E+01	5.90E-01	2.35E-04	5.88E-01	9.47E-02	1.27E+00
4672	479863.09	3860377.25	4.59E-01	3.34E-04	3.80E-01	6.44E-02	9.04E-01	6.06E-01	3.21E+01	3.80E+00	3.29E-01	3.68E+01	5.88E-01	4.05E-04	3.80E-01	6.44E-02	1.03E+00
4673	480363.09	3860377.25	4.96E-01	4.81E-04	2.21E-01	4.44E-02	7.62E-01	6.55E-01	4.61E+01	2.21E+00	2.27E-01	4.92E+01	6.36E-01	5.83E-04	2.21E-01	4.44E-02	9.02E-01
4674	480863.09	3860377.25	5.17E-01	5.68E-04	2.21E-01	4.10E-02	7.79E-01	6.83E-01	5.45E+01	2.21E+00	2.09E-01	5.76E+01	6.63E-01	6.88E-04	2.21E-01	4.10E-02	9.25E-01
4675	481363.09	3860377.25	5.34E-01	5.91E-04	2.41E-01	4.07E-02	8.16E-01	7.05E-01	5.67E+01	2.41E+00	2.08E-01	6.00E+01	6.84E-01	7.16E-04	2.41E-01	4.07E-02	9.66E-01
4676	481863.09	3860377.25	5.51E-01	6.05E-04	2.89E-01	4.20E-02	8.82E-01	7.27E-01	5.80E+01	2.89E+00	2.15E-01	6.19E+01	7.06E-01	7.33E-04	2.89E-01	4.20E-02	1.04E+00
4677	482363.09	3860377.25	5.68E-01	5.90E-04	3.28E-01	4.36E-02	9.40E-01	7.51E-01	5.66E+01	3.28E+00	2.23E-01	6.08E+01	7.29E-01	7.15E-04	3.28E-01	4.36E-02	1.10E+00
4678	482863.09	3860377.25	5.66E-01	6.34E-04	3.40E-01	4.51E-02	9.51E-01	7.47E-01	6.08E+01	3.40E+00	2.30E-01	6.52E+01	7.25E-01	7.68E-04	3.40E-01	4.51E-02	1.11E+00
4679	483363.09	3860377.25	5.80E-01	6.83E-04	3.13E-01	6.25E-02	9.57E-01	7.66E-01	6.55E+01	3.13E+00	3.19E-01	6.97E+01	7.44E-01	8.27E-04	3.13E-01	6.25E-02	1.12E+00
4680	483863.09	3860377.25	5.97E-01	6.75E-04	2.97E-01	6.45E-02	9.59E-01	7.88E-01	6.47E+01	2.97E+00	3.30E-01	6.88E+01	7.65E-01	8.18E-04	2.97E-01	6.45E-02	1.13E+00
4681	484363.09	3860377.25	7.08E-01	7.07E-04	3.26E-01	5.10E-02	1.09E+00	9.35E-01	6.78E+01	3.26E+00	2.60E-01	7.23E+01	9.07E-01	8.57E-04	3.26E-01	5.10E-02	1.29E+00
4682	484863.09	3860377.25	7.43E-01	7.42E-04	3.24E-01	5.35E-02	1.12E+00	9.81E-01	7.12E+01	3.24E+00	2.73E-01	7.57E+01	9.52E-01	8.99E-04	3.24E-01	5.35E-02	1.33E+00
4683	485363.09	3860377.25	7.36E-01	8.21E-04	3.78E-01	5.65E-02	1.17E+00	9.72E-01	7.88E+01	3.78E+00	2.89E-01	8.38E+01	9.43E-01	9.95E-04	3.78E-01	5.65E-02	1.38E+00
4684	485863.09	3860377.25	7.56E-01	8.64E-04	3.41E-01	7.17E-02	1.17E+00	9.99E-01	8.28E+01	3.41E+00	3.66E-01	8.76E+01	9.69E-01	1.05E-03	3.41E-01	7.17E-02	1.38E+00
4685	486363.09	3860377.25	7.86E-01	1.26E-03	3.09E-01	9.58E-02	1.19E+00	1.04E+00	1.21E+02	3.09E+00	4.89E-01	1.26E+02	1.01E+00	1.53E-03	3.09E-01	9.58E-02	1.41E+00
4686	486863.09	3860377.25	8.96E-01	1.34E-03	2.41E-01	1.13E-01	1.25E+00	1.18E+00	1.28E+02	2.41E+00	5.75E-01	1.32E+02	1.15E+00	1.62E-03	2.41E-01	1.13E-01	1.50E+00
4687	487363.09	3860377.25	1.08E+00	2.01E-03	2.99E-01	1.04E-01	1.49E+00	1.43E+00	1.93E+02	2.99E+00	5.32E-01	1.98E+02	1.39E+00	2.43E-03	2.99E-01	1.04E-01	1.79E+00
4688	487863.09	3860377.25	1.19E+00	4.61E-03	5.96E-01	5.54E-02	1.85E+00	1.58E+00	4.43E+02	5.96E+00	2.83E-01	4.50E+02	1.53E+00	5.59E-03	5.96E-01	5.54E-02	2.19E+00
4689	488363.09	3860377.25	2.26E+00	5.08E-03	3.50E-01	1.79E-01	2.79E+00	2.98E+00	4.87E+02	3.50E+00	9.13E-01	4.94E+02	2.89E+00	6.15E-03	3.50E-01	1.79E-01	3.43E+00
4690	488863.09	3860377.25	1.97E+00	4.58E-03	2.01E-01	3.42E-01	2.52E+00	2.60E+00	4.39E+02	2.01E+00	1.75E+00	4.46E+02	2.52E+00	5.55E-03	2.01E-01	3.42E-01	3.07E+00
4691	489363.09	3860377.25	1.75E+00	2.43E-03	3.74E-01	2.08E-01	2.33E+00	2.31E+00	2.33E+02	3.74E+00	1.06E+00	2.40E+02	2.24E+00	2.95E-03	3.74E-01	2.08E-01	2.83E+00
4692	489863.09	3860377.25	1.71E+00	2.02E-03	3.63E-01	9.94E-02	2.18E+00	2.26E+00	1.94E+02	3.63E+00	5.08E-01	2.00E+02	2.20E+00	2.45E-03	3.63E-01	9.94E-02	2.66E+00
4693	490363.09	3860377.25	1.64E+00	2.03E-03	3.53E-01	1.27E-01	2.13E+00	2.17E+00	1.95E+02	3.53E+00	6.49E-01	2.01E+02	2.11E+00	2.46E-03	3.53E-01	1.27E-01	2.59E+00

4694	490863.09	3860377.25	1.50E+00	1.66E-03	3.34E-01	8.76E-02	1.92E+00	1.98E+00	1.59E+02	3.34E+00	4.47E-01	1.65E+02	1.92E+00	2.01E-03	3.34E-01	8.76E-02	2.34E+00
4695	491363.09	3860377.25	1.36E+00	1.26E-03	3.34E-01	6.24E-02	1.75E+00	1.79E+00	1.21E+02	3.34E+00	3.19E-01	1.27E+02	1.74E+00	1.53E-03	3.34E-01	6.24E-02	2.14E+00
4696	491863.09	3860377.25	1.19E+00	1.02E-03	3.77E-01	5.81E-02	1.63E+00	1.57E+00	9.79E+01	3.77E+00	2.97E-01	1.04E+02	1.53E+00	1.24E-03	3.77E-01	5.81E-02	1.96E+00
4697	492363.09	3860377.25	1.16E+00	9.35E-04	3.83E-01	5.63E-02	1.60E+00	1.53E+00	8.97E+01	3.83E+00	2.87E-01	9.53E+01	1.48E+00	1.13E-03	3.83E-01	5.63E-02	1.93E+00
4698	492863.09	3860377.25	1.23E+00	8.41E-04	3.61E-01	5.35E-02	1.64E+00	1.62E+00	8.07E+01	3.61E+00	2.73E-01	8.62E+01	1.57E+00	1.02E-03	3.61E-01	5.35E-02	1.99E+00
4699	493363.09	3860377.25	1.14E+00	8.21E-04	3.34E-01	5.03E-02	1.52E+00	1.50E+00	7.88E+01	3.34E+00	2.57E-01	8.39E+01	1.46E+00	9.95E-04	3.34E-01	5.03E-02	1.84E+00
4700	493863.09	3860377.25	1.08E+00	7.44E-04	4.10E-01	5.09E-02	1.55E+00	1.43E+00	7.13E+01	4.10E+00	2.60E-01	7.71E+01	1.39E+00	9.01E-04	4.10E-01	5.09E-02	1.85E+00
4701	494363.09	3860377.25	9.87E-01	6.80E-04	3.49E-01	4.83E-02	1.39E+00	1.30E+00	6.52E+01	3.49E+00	2.47E-01	7.03E+01	1.27E+00	8.24E-04	3.49E-01	4.83E-02	1.66E+00
4702	494863.09	3860377.25	8.56E-01	6.35E-04	3.34E-01	4.40E-02	1.23E+00	1.13E+00	6.09E+01	3.34E+00	2.25E-01	6.56E+01	1.10E+00	7.70E-04	3.34E-01	4.40E-02	1.48E+00
4703	495363.09	3860377.25	8.36E-01	6.11E-04	3.02E-01	4.28E-02	1.18E+00	1.10E+00	5.86E+01	3.02E+00	2.18E-01	6.29E+01	1.07E+00	7.40E-04	3.02E-01	4.28E-02	1.42E+00
4704	495863.09	3860377.25	7.94E-01	5.00E-04	3.62E-01	6.66E-02	1.22E+00	1.05E+00	4.79E+01	3.62E+00	3.40E-01	5.29E+01	1.02E+00	6.05E-04	3.62E-01	6.66E-02	1.45E+00
4705	496363.09	3860377.25	8.13E-01	3.58E-04	5.40E-01	1.27E-01	1.48E+00	1.07E+00	3.44E+01	5.40E+00	6.49E-01	4.15E+01	1.04E+00	4.34E-04	5.40E-01	1.27E-01	1.71E+00
4706	496863.09	3860377.25	7.69E-01	3.22E-04	8.34E-01	1.26E-01	1.73E+00	1.02E+00	3.08E+01	8.34E+00	6.41E-01	4.08E+01	9.87E-01	3.90E-04	8.34E-01	1.26E-01	1.95E+00
4707	497363.09	3860377.25	7.03E-01	2.94E-04	8.57E-01	1.04E-01	1.66E+00	9.29E-01	2.82E+01	8.57E+00	5.33E-01	3.82E+01	9.01E-01	3.56E-04	8.57E-01	1.04E-01	1.86E+00
4708	497863.09	3860377.25	7.54E-01	2.88E-04	5.03E-01	1.17E-01	1.37E+00	9.96E-01	2.76E+01	5.03E+00	6.00E-01	3.42E+01	9.66E-01	3.49E-04	5.03E-01	1.17E-01	1.59E+00
4709	498363.09	3860377.25	6.08E-01	4.53E-04	3.55E-01	5.08E-02	1.01E+00	8.03E-01	4.34E+01	3.55E+00	2.59E-01	4.80E+01	7.79E-01	5.48E-04	3.55E-01	5.08E-02	1.19E+00
4710	471363.09	3860877.25	4.41E-01	2.57E-04	1.97E-01	4.54E-02	6.84E-01	5.83E-01	2.46E+01	1.97E+00	2.32E-01	2.74E+01	5.66E-01	3.11E-04	1.97E-01	4.54E-02	8.09E-01
4711	471863.09	3860877.25	4.26E-01	2.61E-04	1.85E-01	4.56E-02	6.57E-01	5.63E-01	2.50E+01	1.85E+00	2.33E-01	2.76E+01	5.46E-01	3.16E-04	1.85E-01	4.56E-02	7.77E-01
4712	472363.09	3860877.25	4.00E-01	2.65E-04	1.76E-01	4.60E-02	6.23E-01	5.29E-01	2.55E+01	1.76E+00	2.35E-01	2.80E+01	5.13E-01	3.22E-04	1.76E-01	4.60E-02	7.36E-01
4713	472863.09	3860877.25	3.61E-01	2.79E-04	1.84E-01	4.50E-02	5.90E-01	4.77E-01	2.68E+01	1.84E+00	2.30E-01	2.93E+01	4.63E-01	3.38E-04	1.84E-01	4.50E-02	6.92E-01
4714	473363.09	3860877.25	3.72E-01	2.85E-04	2.09E-01	4.58E-02	6.27E-01	4.92E-01	2.73E+01	2.09E+00	2.34E-01	3.01E+01	4.77E-01	3.45E-04	2.09E-01	4.58E-02	7.32E-01
4715	473863.09	3860877.25	3.80E-01	2.86E-04	2.39E-01	4.74E-02	6.66E-01	5.02E-01	2.74E+01	2.39E+00	2.42E-01	3.05E+01	4.87E-01	3.46E-04	2.39E-01	4.74E-02	7.73E-01
4716	474363.09	3860877.25	3.85E-01	2.78E-04	2.84E-01	5.04E-02	7.20E-01	5.09E-01	2.67E+01	2.84E+00	2.57E-01	3.03E+01	4.94E-01	3.37E-04	2.84E-01	5.04E-02	8.29E-01
4717	474863.09	3860877.25	3.91E-01	2.70E-04	3.53E-01	9.11E-02	8.35E-01	5.17E-01	2.59E+01	3.53E+00	4.65E-01	3.04E+01	5.01E-01	3.27E-04	3.53E-01	9.11E-02	9.46E-01
4718	475363.09	3860877.25	3.98E-01	2.34E-04	4.91E-01	1.32E-01	1.02E+00	5.26E-01	2.25E+01	4.91E+00	6.72E-01	2.86E+01	5.10E-01	2.84E-04	4.91E-01	1.32E-01	1.13E+00
4719	475863.09	3860877.25	3.88E-01	1.78E-04	6.43E-01	1.52E-01	1.18E+00	5.13E-01	1.70E+01	6.43E+00	7.79E-01	2.48E+01	4.98E-01	2.15E-04	6.43E-01	1.52E-01	1.29E+00
4720	476363.09	3860877.25	3.55E-01	1.73E-04	6.17E-01	1.17E-01	1.09E+00	4.69E-01	1.66E+01	6.17E+00	5.97E-01	2.38E+01	4.55E-01	2.09E-04	6.17E-01	1.17E-01	1.19E+00
4721	476863.09	3860877.25	3.35E-01	1.85E-04	5.40E-01	1.00E-01	9.75E-01	4.42E-01	1.77E+01	5.40E+00	5.11E-01	2.41E+01	4.29E-01	2.24E-04	5.40E-01	1.00E-01	1.07E+00
4722	477363.09	3860877.25	3.36E-01	1.96E-04	6.02E-01	1.08E-01	1.05E+00	4.44E-01	1.88E+01	6.02E+00	5.50E-01	2.58E+01	4.31E-01	2.38E-04	6.02E-01	1.08E-01	1.14E+00
4723	477863.09	3860877.25	2.78E-01	2.05E-04	4.65E-01	6.00E-02	8.04E-01	3.67E-01	1.97E+01	4.65E+00	3.06E-01	2.50E+01	3.57E-01	2.48E-04	4.65E-01	6.00E-02	8.82E-01
4724	478363.09	3860877.25	1.75E-01	1.21E-04	1.80E-01	3.11E-02	3.86E-01	2.31E-01	1.16E+01	1.80E+00	1.59E-01	1.38E+01	2.25E-01	1.47E-04	1.80E-01	3.11E-02	4.36E-01
4725	478863.09	3860877.25	3.23E-01	2.18E-04	3.55E-01	1.81E-01	8.58E-01	4.27E-01	2.09E+01	3.55E+00	9.23E-01	2.58E+01	4.14E-01	2.64E-04	3.55E-01	1.81E-01	9.50E-01
4726	479363.09	3860877.25	4.16E-01	3.01E-04	4.30E-01	2.03E-01	1.05E+00	5.50E-01	2.89E+01	4.30E+00	1.04E+00	3.47E+01	5.34E-01	3.65E-04	4.30E-01	2.03E-01	1.17E+00
4727	479863.09	3860877.25	4.64E-01	3.50E-04	3.72E-01	6.68E-02	9.03E-01	6.13E-01	3.35E+01	3.72E+00	3.41E-01	3.82E+01	5.95E-01	4.24E-04	3.72E-01	6.68E-02	1.03E+00
4728	480363.09	3860877.25	4.83E-01	4.47E-04	2.88E-01	4.11E-02	8.12E-01	6.38E-01	4.28E+01	2.88E+00	2.10E-01	4.66E+01	6.19E-01	5.41E-04	2.88E-01	4.11E-02	9.48E-01
4729	480863.09	3860877.25	4.96E-01	4.93E-04	2.69E-01	4.27E-02	8.08E-01	6.56E-01	4.72E+01	2.69E+00	2.18E-01	5.08E+01	6.36E-01	5.97E-04	2.69E-01	4.27E-02	9.48E-01
4730	481363.09	3860877.25	5.10E-01	5.13E-04	2.92E-01	4.42E-02	8.46E-01	6.73E-01	4.92E+01	2.92E+00	2.26E-01	5.30E+01	6.54E-01	6.21E-04	2.92E-01	4.42E-02	9.90E-01
4731	481863.09	3860877.25	5.23E-01	5.01E-04	2.93E-01	4.55E-02	8.61E-01	6.90E-01	4.80E+01	2.93E+00	2.33E-01	5.19E+01	6.70E-01	6.07E-04	2.93E-01	4.55E-02	1.01E+00
4732	482363.09	3860877.25	5.15E-01	4.88E-04	2.96E-01	4.69E-02	8.58E-01	6.80E-01	4.68E+01	2.96E+00	2.40E-01	5.06E+01	6.60E-01	5.91E-04	2.96E-01	4.69E-02	1.00E+00
4733	482863.09	3860877.25	5.33E-01	5.26E-04	2.63E-01	4.82E-02	8.44E-01	7.04E-01	5.05E+01	2.63E+00	2.46E-01	5.41E+01	6.83E-01	6.38E-04	2.63E-01	4.82E-02	9.94E-01
4734	483363.09	3860877.25	5.48E-01	5.50E-04	2.75E-01	6.33E-02	8.87E-01	7.23E-01	5.28E+01	2.75E+00	3.23E-01	5.66E+01	7.02E-01	6.67E-04	2.75E-01	6.33E-02	1.04E+00
4735	483863.09	3860877.25	5.48E-01	5.79E-04	3.52E-01	6.31E-02	9.64E-01	7.24E-01	5.55E+01	3.52E+00	3.22E-01	6.01E+01	7.02E-01	7.01E-04	3.52E-01	6.31E-02	1.12E+00
4736	484363.09	3860877.25	7.43E-01	6.88E-04	2.99E-01	5.05E-02	1.09E+00	9.82E-01	6.59E+01	2.99E+00	2.58E-01	7.02E+01	9.53E-01	8.33E-04	2.99E-01	5.05E-02	1.30E+00
4737	484863.09	3860877.25	7.37E-01	7.77E-04	3.50E-01	5.46E-02	1.14E+00	9.73E-01	7.45E+01	3.50E+00	2.79E-01	7.92E+01	9.44E-01	9.41E-04	3.50E-01	5.46E-02	1.35E+00
4738	485363.09	3860877.25	7.35E-01	8.72E-04	3.23E-01	5.86E-02	1.12E+00	9.72E-01	8.37E+01	3.23E+00	2.99E-01	8.82E+01	9.43E-01	1.06E-03	3.23E-01	5.86E-02	1.33E+00
4739	485863.09	3860877.25	7.43E-01	9.41E-04	3.40E-01	6.69E-02	1.15E+00	9.81E-01	9.02E+01	3.40E+00	3.42E-01	9.50E+01	9.52E-01	1.14E-03	3.40E-01	6.69E-02	1.36E+00
4740	486363.09	3860877.25	7.32E-01	9.91E-04	3.24E-01	6.66E-02	1.12E+00	9.67E-01	9.51E+01	3.24E+00	3.40E-01	9.96E+01	9.39E-01	1.20E-03	3.24E-01	6.66E-02	1.33E+00
4741	486863.09	3860877.25	8.09E-01	1.24E-03	1.66E-01	9.55E-02	1.07E+00	1.07E+00	1.19E+02	1.66E+00	4.88E-01	1.22E+02	1.04E+00	1.51E-03	1.66E-01	9.55E-02	1.30E+00
4742	487363.09	3860877.25	9.65E-01	1.72E-03	3.95E-01	1.43E-01	1.50E+00	1.27E+00	1.65E+02	3.95E+00	7.31E-01	1.71E+02	1.24E+00	2.08E-03	3.95E-01	1.43E-01	1.78E+00
4743	487863.09	3860877.25	1.06E+00	2.14E-03	5.58E-01	1.02E-01	1.73E+00	1.41E+00	2.05E+02	5.58E+00	5.19E-01	2.13E+02	1.36E+00	2.59E-03	5.58E-01	1.02E-01	2.03E+00
4744	488363.09	3860877.25	1.51E+00	3.95E-03	3.27E-01	1.06E-01	1.95E+00	2.00E+00	3.79E+02	3.27E+00	5.43E-01	3.85E+02	1.94E+00	4.79E-03	3.27E-01	1.06E-01	2.37E+00
4745	488863.09	3860877.25	2.13E+00	3.46E-03	2.75E-01	1.33E-01	2.55E+00	2.82E+00	3.32E+02	2.75E+00	6.81E-01	3.38E+02	2.74E+00	4.19E-03	2.75E-01	1.33E-01	3.15E+00
4746	489363.09	3860877.25	1.39E+00	3.24E-03	3.17E-01	1.91E-01	1.90E+00	1.84E+00	3.11E+02	3.17E+00	9.74E-01	3.17E+02	1.78E+00	3.93E-03	3.17E-01	1.91E-01	2.29E+00
4747	489863.09	3860877.25	1.47E+00	2.27E-03	3.54E-01	1.24E-01	1.95E+00	1.94E+00	2.18E+02	3.54E+00	6.32E-01	2.24E+02	1.88E+00	2.75E-03	3.54E-01	1.24E-01	2.36E+00
4748	490363.09	3860877.25	1.45E+00	1.74E-03	3.58E-01	1.03E-01	1.91E+00	1.92E+00	1.67E+02	3.58E+00	5.27E-01	1.73E+02	1.86E+00	2.11E-03	3.58E-01	1.03E-01	2.32E+00
4749	490863.09	3860877.25	1.40E+00	1.70E-03	3.36E-01	9.88E-02	1.84E+00	1.85E+00	1.63E+02	3.36E+00	5.05E-01	1.68E+02	1.79E+00	2.06E-03	3.36E-01	9.88E-02	2.23E+00
4750	491363.09	3860877.25	1.28E+00	1.54E-03	3.13E-01	8.61E-02	1.68E+00	1.69E+00	1.48E+02	3.13E+00	4.40E-01	1.53E+02	1.64E+00	1.87E-03	3.13E-01	8.61E-02	2.04E+00
4751	491863.09	3860877.25	1.13E+00	1.33E-03	3.01E-01	7.19E-02	1.51E+00	1.50E+00	1.28E+02	3.01E+00	3.67E-01	1.33E+02	1.45E+00	1.62E-03	3.01E-01	7.19E-02	1.83E+00
4752	492363.09	3860877.25	1.07E+00	1.05E-03	2.85E-01	6.15E-02	1.42E+00	1.42E+00	1.01E+02	2.85E+00	3.14E-01	1.05E+02	1.38E+00	1.27E-03	2.85E-01	6.15E-02	1.73E+00
4753	492863.09	3860877.25	9.95E-01	9.02E-04	3.34E-01	5.68E-02	1.39E+00	1.31E+00	8.65E+01	3.34E+00	2.90E-01	9.15E+01	1.28E+00	1.09E-03	3.34E-01	5.68E-02	1.67E+00
4754	493363.09	3860877.25	9.52E-01	8.12E-04	3.17E-01	5.26E-02	1.32E+00	1.26E+00	7.78E+01	3.17E+00	2.69E-01	8.25E+01	1.22E+00	9.83E-04	3.17E-01	5.26E-02	1.59E+00

4755	493863.09	3860877.25	1.05E+00	7.44E-04	3.12E-01	4.93E-02	1.41E+00	1.39E+00	7.14E+01	3.12E+00	2.52E-01	7.61E+01	1.35E+00	9.01E-04	3.12E-01	4.93E-02	1.71E+00
4756	494363.09	3860877.25	9.47E-01	6.94E-04	2.84E-01	4.84E-02	1.28E+00	1.25E+00	6.65E+01	2.84E+00	2.47E-01	7.09E+01	1.21E+00	8.40E-04	2.84E-01	4.84E-02	1.55E+00
4757	494863.09	3860877.25	9.16E-01	6.36E-04	3.19E-01	4.80E-02	1.28E+00	1.21E+00	6.10E+01	3.19E+00	2.45E-01	6.57E+01	1.17E+00	7.71E-04	3.19E-01	4.80E-02	1.54E+00
4758	495363.09	3860877.25	8.43E-01	6.13E-04	3.38E-01	4.87E-02	1.23E+00	1.11E+00	5.88E+01	3.38E+00	2.49E-01	6.35E+01	1.08E+00	7.42E-04	3.38E-01	4.87E-02	1.47E+00
4759	495863.09	3860877.25	7.46E-01	5.87E-04	2.80E-01	4.69E-02	1.07E+00	9.86E-01	5.63E+01	2.80E+00	2.40E-01	6.04E+01	9.57E-01	7.12E-04	2.80E-01	4.69E-02	1.28E+00
4760	496363.09	3860877.25	7.46E-01	5.52E-04	2.93E-01	4.51E-02	1.08E+00	9.85E-01	5.29E+01	2.93E+00	2.30E-01	5.71E+01	9.56E-01	6.69E-04	2.93E-01	4.51E-02	1.30E+00
4761	496863.09	3860877.25	7.20E-01	4.60E-04	2.62E-01	5.71E-02	1.04E+00	9.51E-01	4.41E+01	2.62E+00	2.92E-01	4.79E+01	9.23E-01	5.57E-04	2.62E-01	5.71E-02	1.24E+00
4762	497363.09	3860877.25	6.89E-01	4.38E-04	3.25E-01	5.97E-02	1.07E+00	9.10E-01	4.20E+01	3.25E+00	3.05E-01	4.64E+01	8.83E-01	5.30E-04	3.25E-01	5.97E-02	1.27E+00
4763	497863.09	3860877.25	7.12E-01	4.16E-04	4.01E-01	8.13E-02	1.20E+00	9.40E-01	3.99E+01	4.01E+00	4.15E-01	4.52E+01	9.13E-01	5.04E-04	4.01E-01	8.13E-02	1.40E+00
4764	498363.09	3860877.25	6.01E-01	4.54E-04	3.23E-01	4.58E-02	9.70E-01	7.94E-01	4.35E+01	3.23E+00	2.34E-01	4.78E+01	7.70E-01	5.49E-04	3.23E-01	4.58E-02	1.14E+00
4765	471363.09	3861377.25	3.36E-01	2.39E-04	2.12E-01	4.37E-02	5.92E-01	4.44E-01	2.29E+01	2.12E+00	2.23E-01	2.57E+01	4.31E-01	2.90E-04	2.12E-01	4.37E-02	6.87E-01
4766	471863.09	3861377.25	3.43E-01	2.60E-04	2.19E-01	4.30E-02	6.04E-01	4.53E-01	2.49E+01	2.19E+00	2.20E-01	2.78E+01	4.39E-01	3.15E-04	2.19E-01	4.30E-02	7.01E-01
4767	472363.09	3861377.25	3.51E-01	2.81E-04	2.18E-01	4.22E-02	6.12E-01	4.64E-01	2.70E+01	2.18E+00	2.15E-01	2.98E+01	4.51E-01	3.41E-04	2.18E-01	4.22E-02	7.11E-01
4768	472863.09	3861377.25	3.56E-01	3.07E-04	1.97E-01	4.00E-02	5.94E-01	4.70E-01	2.94E+01	1.97E+00	2.04E-01	3.21E+01	4.57E-01	3.72E-04	1.97E-01	4.00E-02	6.94E-01
4769	473363.09	3861377.25	3.60E-01	3.25E-04	1.86E-01	3.93E-02	5.86E-01	4.75E-01	3.11E+01	1.86E+00	2.01E-01	3.37E+01	4.61E-01	3.93E-04	1.86E-01	3.93E-02	6.87E-01
4770	473863.09	3861377.25	3.65E-01	3.31E-04	1.98E-01	4.13E-02	6.04E-01	4.82E-01	3.18E+01	1.98E+00	2.11E-01	3.44E+01	4.68E-01	4.01E-04	1.98E-01	4.13E-02	7.07E-01
4771	474363.09	3861377.25	3.69E-01	3.51E-04	2.37E-01	4.01E-02	6.46E-01	4.87E-01	3.37E+01	2.37E+00	2.05E-01	3.68E+01	4.73E-01	4.26E-04	2.37E-01	4.01E-02	7.50E-01
4772	474863.09	3861377.25	3.88E-01	3.43E-04	2.88E-01	5.05E-02	7.27E-01	5.13E-01	3.29E+01	2.88E+00	2.58E-01	3.65E+01	4.98E-01	4.15E-04	2.88E-01	5.05E-02	8.37E-01
4773	475363.09	3861377.25	3.97E-01	3.54E-04	3.03E-01	4.68E-02	7.47E-01	5.24E-01	3.40E+01	3.03E+00	2.39E-01	3.78E+01	5.09E-01	4.29E-04	3.03E-01	4.68E-02	8.60E-01
4774	475863.09	3861377.25	4.03E-01	3.21E-04	3.58E-01	1.17E-01	8.78E-01	5.32E-01	3.08E+01	3.58E+00	5.96E-01	3.55E+01	5.16E-01	3.88E-04	3.58E-01	1.17E-01	9.92E-01
4775	476363.09	3861377.25	4.05E-01	2.63E-04	3.90E-01	1.68E-01	9.63E-01	5.35E-01	2.52E+01	3.90E+00	8.58E-01	3.05E+01	5.19E-01	3.19E-04	3.90E-01	1.68E-01	1.08E+00
4776	476863.09	3861377.25	4.04E-01	2.57E-04	3.52E-01	1.95E-01	9.51E-01	5.33E-01	2.47E+01	3.52E+00	9.98E-01	2.97E+01	5.17E-01	3.12E-04	3.52E-01	1.95E-01	1.07E+00
4777	477363.09	3861377.25	3.95E-01	2.85E-04	2.61E-01	2.09E-01	8.66E-01	5.22E-01	2.73E+01	2.61E+00	1.07E+00	3.15E+01	5.07E-01	3.45E-04	2.61E-01	2.09E-01	9.78E-01
4778	477863.09	3861377.25	3.22E-01	2.10E-04	4.07E-01	1.46E-01	8.74E-01	4.25E-01	2.01E+01	4.07E+00	7.46E-01	2.53E+01	4.12E-01	2.54E-04	4.07E-01	1.46E-01	9.65E-01
4779	478363.09	3861377.25	2.65E-01	1.61E-04	3.38E-01	4.98E-02	6.52E-01	3.50E-01	1.54E+01	3.38E+00	2.55E-01	1.94E+01	3.39E-01	1.95E-04	3.38E-01	4.98E-02	7.27E-01
4780	478863.09	3861377.25	2.66E-01	1.66E-04	4.52E-01	9.63E-02	8.14E-01	3.52E-01	1.59E+01	4.52E+00	4.92E-01	2.13E+01	3.41E-01	2.01E-04	4.52E-01	9.63E-02	8.89E-01
4781	479363.09	3861377.25	4.07E-01	3.45E-04	1.32E+00	2.43E-01	1.97E+00	5.37E-01	3.31E+01	1.32E+01	1.24E+00	4.81E+01	5.21E-01	4.18E-04	1.32E+00	2.43E-01	2.09E+00
4782	479863.09	3861377.25	4.50E-01	3.60E-04	3.09E-01	7.96E-02	8.39E-01	5.94E-01	3.45E+01	3.09E+00	4.07E-01	3.86E+01	5.76E-01	4.36E-04	3.09E-01	7.96E-02	9.66E-01
4783	480363.09	3861377.25	4.65E-01	3.83E-04	2.61E-01	4.18E-02	7.68E-01	6.15E-01	3.68E+01	2.61E+00	2.14E-01	4.02E+01	5.97E-01	4.65E-04	2.61E-01	4.18E-02	8.99E-01
4784	480863.09	3861377.25	4.76E-01	3.98E-04	2.56E-01	4.24E-02	7.74E-01	6.28E-01	3.82E+01	2.56E+00	2.17E-01	4.16E+01	6.10E-01	4.82E-04	2.56E-01	4.24E-02	9.09E-01
4785	481363.09	3861377.25	4.82E-01	4.31E-04	3.14E-01	4.26E-02	8.39E-01	6.37E-01	4.14E+01	3.14E+00	2.18E-01	4.54E+01	6.18E-01	5.23E-04	3.14E-01	4.26E-02	9.75E-01
4786	481863.09	3861377.25	4.77E-01	4.66E-04	2.73E-01	4.24E-02	7.93E-01	6.31E-01	4.47E+01	2.73E+00	2.17E-01	4.83E+01	6.12E-01	5.64E-04	2.73E-01	4.24E-02	9.28E-01
4787	482363.09	3861377.25	4.92E-01	4.99E-04	2.54E-01	4.17E-02	7.88E-01	6.49E-01	4.79E+01	2.54E+00	2.13E-01	5.13E+01	6.30E-01	6.05E-04	2.54E-01	4.17E-02	9.27E-01
4788	482863.09	3861377.25	5.04E-01	5.07E-04	2.89E-01	4.99E-02	8.43E-01	6.66E-01	4.86E+01	2.89E+00	2.55E-01	5.24E+01	6.46E-01	6.14E-04	2.89E-01	4.99E-02	9.86E-01
4789	483363.09	3861377.25	5.02E-01	5.12E-04	3.09E-01	6.43E-02	8.76E-01	6.63E-01	4.91E+01	3.09E+00	3.29E-01	5.32E+01	6.44E-01	6.21E-04	3.09E-01	6.43E-02	1.02E+00
4790	483863.09	3861377.25	5.16E-01	5.43E-04	3.81E-01	6.16E-02	9.60E-01	6.82E-01	5.21E+01	3.81E+00	3.15E-01	5.69E+01	6.62E-01	6.58E-04	3.81E-01	6.16E-02	1.11E+00
4791	484363.09	3861377.25	7.76E-01	6.10E-04	3.34E-01	5.17E-02	1.16E+00	1.03E+00	5.85E+01	3.34E+00	2.64E-01	6.31E+01	9.95E-01	7.39E-04	3.34E-01	5.17E-02	1.38E+00
4792	484863.09	3861377.25	7.56E-01	6.31E-04	3.14E-01	5.54E-02	1.13E+00	9.98E-01	6.05E+01	3.14E+00	2.83E-01	6.50E+01	9.69E-01	7.65E-04	3.14E-01	5.54E-02	1.34E+00
4793	485363.09	3861377.25	7.30E-01	6.55E-04	3.06E-01	5.22E-02	1.09E+00	9.65E-01	6.28E+01	3.06E+00	2.67E-01	6.71E+01	9.36E-01	7.94E-04	3.06E-01	5.22E-02	1.29E+00
4794	485863.09	3861377.25	7.28E-01	7.38E-04	2.38E-01	9.00E-02	1.06E+00	9.61E-01	7.08E+01	2.38E+00	4.60E-01	7.46E+01	9.33E-01	8.94E-04	2.38E-01	9.00E-02	1.26E+00
4795	486363.09	3861377.25	6.86E-01	9.78E-04	2.70E-01	7.85E-02	1.04E+00	9.06E-01	9.38E+01	2.70E+00	4.01E-01	9.78E+01	8.79E-01	1.18E-03	2.70E-01	7.85E-02	1.23E+00
4796	486863.09	3861377.25	7.34E-01	1.13E-03	2.05E-01	1.22E-01	1.06E+00	9.69E-01	1.08E+02	2.05E+00	6.25E-01	1.12E+02	9.40E-01	1.36E-03	2.05E-01	1.22E-01	1.27E+00
4797	487363.09	3861377.25	8.44E-01	1.42E-03	4.49E-01	7.13E-02	1.37E+00	1.11E+00	1.36E+02	4.49E+00	3.64E-01	1.42E+02	1.08E+00	1.72E-03	4.49E-01	7.13E-02	1.60E+00
4798	487863.09	3861377.25	9.35E-01	1.47E-03	5.17E-01	4.54E-02	1.50E+00	1.23E+00	1.41E+02	5.17E+00	2.32E-01	1.48E+02	1.20E+00	1.79E-03	5.17E-01	4.54E-02	1.76E+00
4799	488363.09	3861377.25	9.66E-01	2.39E-03	3.05E-01	5.30E-02	1.33E+00	1.28E+00	2.29E+02	3.05E+00	2.71E-01	2.34E+02	1.24E+00	2.89E-03	3.05E-01	5.30E-02	1.60E+00
4800	488863.09	3861377.25	1.68E+00	2.79E-03	3.17E-01	1.68E-01	2.17E+00	2.22E+00	2.68E+02	3.17E+00	8.60E-01	2.74E+02	2.16E+00	3.38E-03	3.17E-01	1.68E-01	2.65E+00
4801	489363.09	3861377.25	1.75E+00	2.37E-03	2.22E-01	1.37E-01	2.12E+00	2.32E+00	2.27E+02	2.22E+00	7.02E-01	2.32E+02	2.25E+00	2.87E-03	2.22E-01	1.37E-01	2.61E+00
4802	489863.09	3861377.25	1.25E+00	2.40E-03	3.32E-01	1.01E-01	1.69E+00	1.65E+00	2.30E+02	3.32E+00	5.15E-01	2.36E+02	1.60E+00	2.91E-03	3.32E-01	1.01E-01	2.04E+00
4803	490363.09	3861377.25	1.25E+00	2.07E-03	3.17E-01	1.12E-01	1.68E+00	1.64E+00	1.99E+02	3.17E+00	5.72E-01	2.04E+02	1.60E+00	2.51E-03	3.17E-01	1.12E-01	2.03E+00
4804	490863.09	3861377.25	1.26E+00	1.60E-03	3.46E-01	9.99E-02	1.70E+00	1.66E+00	1.53E+02	3.46E+00	5.10E-01	1.59E+02	1.61E+00	1.94E-03	3.46E-01	9.99E-02	2.06E+00
4805	491363.09	3861377.25	1.21E+00	1.42E-03	3.10E-01	9.70E-02	1.62E+00	1.60E+00	1.36E+02	3.10E+00	4.95E-01	1.42E+02	1.55E+00	1.72E-03	3.10E-01	9.70E-02	1.96E+00
4806	491863.09	3861377.25	1.08E+00	1.43E-03	2.99E-01	9.06E-02	1.47E+00	1.43E+00	1.37E+02	2.99E+00	4.63E-01	1.42E+02	1.39E+00	1.73E-03	2.99E-01	9.06E-02	1.78E+00
4807	492363.09	3861377.25	1.01E+00	1.26E-03	2.65E-01	7.88E-02	1.36E+00	1.34E+00	1.21E+02	2.65E+00	4.03E-01	1.26E+02	1.30E+00	1.53E-03	2.65E-01	7.88E-02	1.64E+00
4808	492863.09	3861377.25	9.65E-01	1.11E-03	2.83E-01	6.68E-02	1.32E+00	1.27E+00	1.06E+02	2.83E+00	3.41E-01	1.11E+02	1.24E+00	1.35E-03	2.83E-01	6.68E-02	1.59E+00
4809	493363.09	3861377.25	8.83E-01	9.16E-04	2.73E-01	6.14E-02	1.22E+00	1.17E+00	8.79E+01	2.73E+00	3.13E-01	9.21E+01	1.13E+00	1.11E-03	2.73E-01	6.14E-02	1.47E+00
4810	493863.09	3861377.25	8.48E-01	8.16E-04	2.95E-01	5.57E-02	1.20E+00	1.12E+00	7.82E+01	2.95E+00	2.85E-01	8.26E+01	1.09E+00	9.88E-04	2.95E-01	5.57E-02	1.44E+00
4811	494363.09	3861377.25	8.27E-01	7.04E-04	2.63E-01	5.06E-02	1.14E+00	1.09E+00	6.75E+01	2.63E+00	2.59E-01	7.15E+01	1.06E+00	8.53E-04	2.63E-01	5.06E-02	1.37E+00
4812	494863.09	3861377.25	8.84E-01	6.65E-04	2.71E-01	4.98E-02	1.21E+00	1.17E+00	6.38E+01	2.71E+00	2.54E-01	6.79E+01	1.13E+00	8.05E-04	2.71E-01	4.98E-02	1.45E+00
4813	495363.09	3861377.25	8.14E-01	6.10E-04	2.52E-01	4.79E-02	1.11E+00	1.07E+00	5.85E+01	2.52E+00	2.45E-01	6.23E+01	1.04E+00	7.39E-04	2.52E-01	4.79E-02	1.34E+00
4814	495863.09	3861377.25	7.70E-01	5.82E-04	2.52E-01	4.53E-02	1.07E+00	1.02E+00	5.58E+01	2.52E+00	2.31E-01	5.96E+01	9.87E-01	7.05E-04	2.52E-01	4.53E-02	1.29E+00
4815	496363.09	3861377.25	7.22E-01	5.51E-04	2.82E-01	4.59E-02	1.05E+00	9.53E-01	5.28E+01	2.82E+00	2.35E-01	5.68E+01	9.25E-01	6.67E-04	2.82E-01	4.59E-02	1.25E+00

4816	496863.09	3861377.25	6.77E-01	5.15E-04	2.94E-01	4.64E-02	1.02E+00	8.94E-01	4.94E+01	2.94E+00	2.37E-01	5.35E+01	8.68E-01	6.24E-04	2.94E-01	4.64E-02	1.21E+00
4817	497363.09	3861377.25	6.62E-01	5.28E-04	2.53E-01	4.45E-02	9.59E-01	8.74E-01	5.06E+01	2.53E+00	2.28E-01	5.42E+01	8.48E-01	6.39E-04	2.53E-01	4.45E-02	1.15E+00
4818	497863.09	3861377.25	6.13E-01	5.10E-04	2.58E-01	4.45E-02	9.17E-01	8.10E-01	4.89E+01	2.58E+00	2.27E-01	5.25E+01	7.86E-01	6.17E-04	2.58E-01	4.45E-02	1.09E+00
4819	498363.09	3861377.25	5.63E-01	4.74E-04	2.38E-01	4.40E-02	8.46E-01	7.44E-01	4.55E+01	2.38E+00	2.25E-01	4.88E+01	7.22E-01	5.74E-04	2.38E-01	4.40E-02	1.00E+00
4820	471363.09	3861877.25	3.30E-01	3.14E-04	1.69E-01	3.36E-02	5.33E-01	4.36E-01	3.01E+01	1.69E+00	1.71E-01	3.24E+01	4.23E-01	3.81E-04	1.69E-01	3.36E-02	6.26E-01
4821	471863.09	3861877.25	3.35E-01	3.24E-04	1.87E-01	3.36E-02	5.56E-01	4.42E-01	3.10E+01	1.87E+00	1.71E-01	3.35E+01	4.29E-01	3.92E-04	1.87E-01	3.36E-02	6.51E-01
4822	472363.09	3861877.25	3.36E-01	3.29E-04	2.22E-01	3.29E-02	5.91E-01	4.43E-01	3.16E+01	2.22E+00	1.68E-01	3.44E+01	4.30E-01	3.99E-04	2.22E-01	3.29E-02	6.86E-01
4823	472863.09	3861877.25	3.32E-01	3.32E-04	2.49E-01	3.72E-02	6.19E-01	4.38E-01	3.19E+01	2.49E+00	1.90E-01	3.50E+01	4.25E-01	4.03E-04	2.49E-01	3.72E-02	7.12E-01
4824	473363.09	3861877.25	3.44E-01	3.29E-04	2.67E-01	3.88E-02	6.50E-01	4.54E-01	3.15E+01	2.67E+00	1.98E-01	3.48E+01	4.41E-01	3.98E-04	2.67E-01	3.88E-02	7.47E-01
4825	473863.09	3861877.25	3.62E-01	3.15E-04	2.74E-01	3.52E-02	6.71E-01	4.78E-01	3.02E+01	2.74E+00	1.80E-01	3.36E+01	4.64E-01	3.82E-04	2.74E-01	3.52E-02	7.73E-01
4826	474363.09	3861877.25	3.72E-01	3.02E-04	2.60E-01	3.35E-02	6.65E-01	4.91E-01	2.89E+01	2.60E+00	1.71E-01	3.22E+01	4.77E-01	3.66E-04	2.60E-01	3.35E-02	7.70E-01
4827	474863.09	3861877.25	3.77E-01	3.00E-04	2.30E-01	3.70E-02	6.45E-01	4.98E-01	2.88E+01	2.30E+00	1.89E-01	3.17E+01	4.84E-01	3.63E-04	2.30E-01	3.70E-02	7.51E-01
4828	475363.09	3861877.25	3.78E-01	3.10E-04	1.84E-01	3.66E-02	5.99E-01	5.00E-01	2.98E+01	1.84E+00	1.87E-01	3.23E+01	4.85E-01	3.76E-04	1.84E-01	3.66E-02	7.06E-01
4829	475863.09	3861877.25	3.72E-01	3.31E-04	1.56E-01	3.40E-02	5.62E-01	4.91E-01	3.17E+01	1.56E+00	1.74E-01	3.39E+01	4.77E-01	4.01E-04	1.56E-01	3.40E-02	6.67E-01
4830	476363.09	3861877.25	3.53E-01	3.38E-04	2.05E-01	4.01E-02	5.99E-01	4.66E-01	3.24E+01	2.05E+00	2.05E-01	3.51E+01	4.52E-01	4.09E-04	2.05E-01	4.01E-02	6.98E-01
4831	476863.09	3861877.25	3.46E-01	3.31E-04	3.00E-01	6.48E-02	7.11E-01	4.57E-01	3.17E+01	3.00E+00	3.31E-01	3.55E+01	4.44E-01	4.01E-04	3.00E-01	6.48E-02	8.09E-01
4832	477363.09	3861877.25	3.51E-01	3.41E-04	4.01E-01	9.15E-02	8.44E-01	4.63E-01	3.27E+01	4.01E+00	4.67E-01	3.76E+01	4.50E-01	4.13E-04	4.01E-01	9.15E-02	9.43E-01
4833	477863.09	3861877.25	3.14E-01	1.83E-04	1.28E+00	1.83E-01	1.78E+00	4.15E-01	1.76E+01	1.28E+01	9.36E-01	3.17E+01	4.03E-01	2.22E-04	1.28E+00	1.83E-01	1.86E+00
4834	478363.09	3861877.25	2.50E-01	1.76E-04	2.34E-01	3.17E-02	5.16E-01	3.31E-01	1.69E+01	2.34E+00	1.62E-01	1.97E+01	3.21E-01	2.13E-04	2.34E-01	3.17E-02	5.87E-01
4835	478863.09	3861877.25	2.67E-01	1.73E-04	5.54E-01	7.65E-02	8.98E-01	3.53E-01	1.66E+01	5.54E+00	3.91E-01	2.29E+01	3.42E-01	2.10E-04	5.54E-01	7.65E-02	9.73E-01
4836	479363.09	3861877.25	2.65E-01	1.64E-04	3.76E-01	4.88E-02	6.91E-01	3.50E-01	1.57E+01	3.76E+00	2.49E-01	2.01E+01	3.40E-01	1.99E-04	3.76E-01	4.88E-02	7.66E-01
4837	479863.09	3861877.25	4.35E-01	3.05E-04	2.87E-01	9.56E-02	8.17E-01	5.74E-01	2.93E+01	2.87E+00	4.88E-01	3.32E+01	5.57E-01	3.70E-04	2.87E-01	9.56E-02	9.40E-01
4838	480363.09	3861877.25	4.48E-01	3.81E-04	3.20E-01	3.58E-02	8.04E-01	5.91E-01	3.66E+01	3.20E+00	1.83E-01	4.06E+01	5.74E-01	4.62E-04	3.20E-01	3.58E-02	9.30E-01
4839	480863.09	3861877.25	4.49E-01	4.03E-04	2.95E-01	3.51E-02	7.79E-01	5.93E-01	3.87E+01	2.95E+00	1.79E-01	4.24E+01	5.76E-01	4.88E-04	2.95E-01	3.51E-02	9.06E-01
4840	481363.09	3861877.25	4.45E-01	4.21E-04	2.32E-01	3.73E-02	7.15E-01	5.88E-01	4.04E+01	2.32E+00	1.90E-01	4.35E+01	5.70E-01	5.10E-04	2.32E-01	3.73E-02	8.40E-01
4841	481863.09	3861877.25	4.58E-01	4.35E-04	2.28E-01	3.96E-02	7.26E-01	6.05E-01	4.17E+01	2.28E+00	2.02E-01	4.48E+01	5.87E-01	5.27E-04	2.28E-01	3.96E-02	8.55E-01
4842	482363.09	3861877.25	4.69E-01	4.35E-04	2.80E-01	4.23E-02	7.91E-01	6.19E-01	4.17E+01	2.80E+00	2.16E-01	4.54E+01	6.01E-01	5.27E-04	2.80E-01	4.23E-02	9.24E-01
4843	482863.09	3861877.25	4.65E-01	4.75E-04	2.88E-01	5.19E-02	8.06E-01	6.15E-01	4.55E+01	2.88E+00	2.65E-01	4.93E+01	5.97E-01	5.75E-04	2.88E-01	5.19E-02	9.38E-01
4844	483363.09	3861877.25	4.79E-01	5.16E-04	4.06E-01	6.37E-02	9.49E-01	6.33E-01	4.95E+01	4.06E+00	3.26E-01	5.45E+01	6.14E-01	6.25E-04	4.06E-01	6.37E-02	1.08E+00
4845	483863.09	3861877.25	4.90E-01	5.25E-04	3.02E-01	5.86E-02	8.51E-01	6.47E-01	5.03E+01	3.02E+00	2.99E-01	5.43E+01	6.28E-01	6.36E-04	3.02E-01	5.86E-02	9.89E-01
4846	484363.09	3861877.25	7.56E-01	5.28E-04	2.99E-01	4.57E-02	1.10E+00	9.99E-01	5.07E+01	2.99E+00	2.33E-01	5.49E+01	9.69E-01	6.40E-04	2.99E-01	4.57E-02	1.31E+00
4847	484863.09	3861877.25	7.71E-01	5.70E-04	2.94E-01	4.46E-02	1.11E+00	1.02E+00	5.47E+01	2.94E+00	2.28E-01	5.89E+01	9.89E-01	6.91E-04	2.94E-01	4.46E-02	1.33E+00
4848	485363.09	3861877.25	7.46E-01	6.11E-04	2.15E-01	4.64E-02	1.01E+00	9.86E-01	5.86E+01	2.15E+00	2.37E-01	6.20E+01	9.57E-01	7.41E-04	2.15E-01	4.64E-02	1.22E+00
4849	485863.09	3861877.25	7.16E-01	8.11E-04	3.36E-01	4.71E-02	1.10E+00	9.46E-01	7.77E+01	3.36E+00	2.41E-01	8.23E+01	9.18E-01	9.82E-04	3.36E-01	4.71E-02	1.30E+00
4850	486363.09	3861877.25	6.45E-01	8.56E-04	2.52E-01	6.72E-02	9.66E-01	8.52E-01	8.21E+01	2.52E+00	3.43E-01	8.58E+01	8.27E-01	1.04E-03	2.52E-01	6.72E-02	1.15E+00
4851	486863.09	3861877.25	6.80E-01	1.00E-03	1.95E-01	5.40E-02	9.30E-01	8.98E-01	9.64E+01	1.95E+00	2.76E-01	9.95E+01	8.71E-01	1.22E-03	1.95E-01	5.40E-02	1.12E+00
4852	487363.09	3861877.25	7.55E-01	1.16E-03	4.73E-01	4.42E-02	1.27E+00	9.98E-01	1.11E+02	4.73E+00	2.26E-01	1.17E+02	9.69E-01	1.41E-03	4.73E-01	4.42E-02	1.49E+00
4853	487863.09	3861877.25	8.73E-01	1.18E-03	4.73E-01	6.19E-02	1.41E+00	1.15E+00	1.13E+02	4.73E+00	3.16E-01	1.20E+02	1.12E+00	1.43E-03	4.73E-01	6.19E-02	1.66E+00
4854	488363.09	3861877.25	9.09E-01	1.43E-03	3.18E-01	4.98E-02	1.28E+00	1.20E+00	1.37E+02	3.18E+00	2.54E-01	1.42E+02	1.17E+00	1.74E-03	3.18E-01	4.98E-02	1.53E+00
4855	488863.09	3861877.25	1.07E+00	2.28E-03	3.03E-01	1.67E-01	1.55E+00	1.42E+00	2.19E+02	3.03E+00	8.53E-01	2.24E+02	1.38E+00	2.77E-03	3.03E-01	1.67E-01	1.85E+00
4856	489363.09	3861877.25	1.69E+00	2.14E-03	1.46E-01	7.04E-02	1.91E+00	2.23E+00	2.06E+02	1.46E+00	3.60E-01	2.10E+02	2.16E+00	2.60E-03	1.46E-01	7.04E-02	2.38E+00
4857	489863.09	3861877.25	1.30E+00	1.93E-03	2.49E-01	1.07E-01	1.66E+00	1.72E+00	1.85E+02	2.49E+00	5.45E-01	1.90E+02	1.67E+00	2.34E-03	2.49E-01	1.07E-01	2.03E+00
4858	490363.09	3861877.25	1.17E+00	1.98E-03	3.08E-01	1.00E-01	1.58E+00	1.54E+00	1.90E+02	3.08E+00	5.11E-01	1.95E+02	1.49E+00	2.40E-03	3.08E-01	1.00E-01	1.91E+00
4859	490863.09	3861877.25	1.05E+00	1.77E-03	2.97E-01	9.86E-02	1.45E+00	1.39E+00	1.70E+02	2.97E+00	5.04E-01	1.75E+02	1.35E+00	2.15E-03	2.97E-01	9.86E-02	1.75E+00
4860	491363.09	3861877.25	1.10E+00	1.49E-03	3.18E-01	9.54E-02	1.52E+00	1.46E+00	1.43E+02	3.18E+00	4.87E-01	1.48E+02	1.41E+00	1.81E-03	3.18E-01	9.54E-02	1.83E+00
4861	491863.09	3861877.25	1.06E+00	1.32E-03	2.86E-01	8.75E-02	1.44E+00	1.40E+00	1.27E+02	2.86E+00	4.47E-01	1.31E+02	1.36E+00	1.60E-03	2.86E-01	8.75E-02	1.74E+00
4862	492363.09	3861877.25	9.10E-01	1.25E-03	2.79E-01	8.90E-02	1.28E+00	1.20E+00	1.19E+02	2.79E+00	4.55E-01	1.24E+02	1.17E+00	1.51E-03	2.79E-01	8.90E-02	1.54E+00
4863	492863.09	3861877.25	9.14E-01	1.20E-03	2.32E-01	8.25E-02	1.23E+00	1.21E+00	1.15E+02	2.32E+00	4.21E-01	1.19E+02	1.17E+00	1.45E-03	2.32E-01	8.25E-02	1.49E+00
4864	493363.09	3861877.25	8.80E-01	1.07E-03	2.50E-01	7.18E-02	1.20E+00	1.16E+00	1.03E+02	2.50E+00	3.67E-01	1.07E+02	1.13E+00	1.30E-03	2.50E-01	7.18E-02	1.45E+00
4865	493863.09	3861877.25	7.99E-01	9.53E-04	2.39E-01	6.46E-02	1.10E+00	1.06E+00	9.14E+01	2.39E+00	3.30E-01	9.52E+01	1.02E+00	1.15E-03	2.39E-01	6.46E-02	1.33E+00
4866	494363.09	3861877.25	7.62E-01	8.06E-04	2.56E-01	5.95E-02	1.08E+00	1.01E+00	7.73E+01	2.56E+00	3.04E-01	8.11E+01	9.77E-01	9.76E-04	2.56E-01	5.95E-02	1.29E+00
4867	494863.09	3861877.25	7.24E-01	7.40E-04	2.61E-01	5.44E-02	1.04E+00	9.57E-01	7.10E+01	2.61E+00	2.78E-01	7.48E+01	9.28E-01	8.97E-04	2.61E-01	5.44E-02	1.24E+00
4868	495363.09	3861877.25	7.66E-01	6.34E-04	2.27E-01	4.87E-02	1.04E+00	1.01E+00	6.08E+01	2.27E+00	2.49E-01	6.44E+01	9.83E-01	7.69E-04	2.27E-01	4.87E-02	1.26E+00
4869	495863.09	3861877.25	7.55E-01	5.99E-04	2.42E-01	4.70E-02	1.04E+00	9.97E-01	5.75E+01	2.42E+00	2.40E-01	6.11E+01	9.68E-01	7.26E-04	2.42E-01	4.70E-02	1.26E+00
4870	496363.09	3861877.25	7.20E-01	5.71E-04	2.29E-01	4.70E-02	9.96E-01	9.51E-01	5.48E+01	2.29E+00	2.40E-01	5.83E+01	9.23E-01	6.92E-04	2.29E-01	4.70E-02	1.20E+00
4871	496863.09	3861877.25	7.50E-01	5.50E-04	2.81E-01	4.86E-02	1.08E+00	9.91E-01	5.27E+01	2.81E+00	2.48E-01	5.68E+01	9.61E-01	6.66E-04	2.81E-01	4.86E-02	1.29E+00
4872	497363.09	3861877.25	6.52E-01	5.17E-04	2.61E-01	4.62E-02	9.59E-01	8.61E-01	4.96E+01	2.61E+00	2.36E-01	5.33E+01	8.36E-01	6.27E-04	2.61E-01	4.62E-02	1.14E+00
4873	497863.09	3861877.25	5.93E-01	4.91E-04	2.52E-01	4.35E-02	8.89E-01	7.84E-01	4.71E+01	2.52E+00	2.22E-01	5.06E+01	7.60E-01	5.95E-04	2.52E-01	4.35E-02	1.06E+00
4874	498363.09	3861877.25	5.67E-01	4.61E-04	2.18E-01	4.33E-02	8.29E-01	7.49E-01	4.42E+01	2.18E+00	2.21E-01	4.73E+01	7.27E-01	5.58E-04	2.18E-01	4.33E-02	9.89E-01
4875	471363.09	3862377.25	3.12E-01	2.80E-04	2.56E-01	2.96E-02	5.98E-01	4.12E-01	2.69E+01	2.56E+00	1.51E-01	3.00E+01	4.00E-01	3.39E-04	2.56E-01	2.96E-02	6.87E-01
4876	471863.09	3862377.25	3.05E-01	2.69E-04	2.64E-01	3.65E-02	6.05E-01	4.02E-01	2.58E+01	2.64E+00	1.86E-01	2.90E+01	3.90E-01	3.26E-04	2.64E-01	3.65E-02	6.91E-01

4877	472363.09	3862377.25	3.22E-01	2.70E-04	2.55E-01	3.84E-02	6.15E-01	4.25E-01	2.59E+01	2.55E+00	1.96E-01	2.91E+01	4.12E-01	3.27E-04	2.55E-01	3.84E-02	7.06E-01
4878	472863.09	3862377.25	3.40E-01	2.73E-04	2.34E-01	3.52E-02	6.09E-01	4.49E-01	2.62E+01	2.34E+00	1.80E-01	2.91E+01	4.35E-01	3.31E-04	2.34E-01	3.52E-02	7.04E-01
4879	473363.09	3862377.25	3.50E-01	2.88E-04	2.00E-01	3.09E-02	5.81E-01	4.62E-01	2.77E+01	2.00E+00	1.58E-01	3.03E+01	4.48E-01	3.49E-04	2.00E-01	3.09E-02	6.80E-01
4880	473863.09	3862377.25	3.54E-01	3.03E-04	1.59E-01	3.16E-02	5.46E-01	4.68E-01	2.91E+01	1.59E+00	1.61E-01	3.13E+01	4.54E-01	3.67E-04	1.59E-01	3.16E-02	6.46E-01
4881	474363.09	3862377.25	3.54E-01	3.12E-04	1.40E-01	3.22E-02	5.27E-01	4.68E-01	2.99E+01	1.40E+00	1.64E-01	3.20E+01	4.54E-01	3.78E-04	1.40E-01	3.22E-02	6.27E-01
4882	474863.09	3862377.25	3.46E-01	3.24E-04	1.95E-01	3.39E-02	5.75E-01	4.58E-01	3.11E+01	1.95E+00	1.73E-01	3.37E+01	4.44E-01	3.93E-04	1.95E-01	3.39E-02	6.73E-01
4883	475363.09	3862377.25	3.27E-01	3.39E-04	2.43E-01	3.31E-02	6.03E-01	4.32E-01	3.25E+01	2.43E+00	1.69E-01	3.56E+01	4.19E-01	4.11E-04	2.43E-01	3.31E-02	6.95E-01
4884	475863.09	3862377.25	3.15E-01	3.50E-04	2.73E-01	3.33E-02	6.21E-01	4.16E-01	3.36E+01	2.73E+00	1.70E-01	3.69E+01	4.04E-01	4.24E-04	2.73E-01	3.33E-02	7.10E-01
4885	476363.09	3862377.25	3.24E-01	3.55E-04	2.74E-01	3.63E-02	6.35E-01	4.28E-01	3.40E+01	2.74E+00	1.85E-01	3.74E+01	4.15E-01	4.30E-04	2.74E-01	3.63E-02	7.26E-01
4886	476863.09	3862377.25	3.37E-01	3.51E-04	2.44E-01	3.60E-02	6.17E-01	4.46E-01	3.37E+01	2.44E+00	1.84E-01	3.68E+01	4.32E-01	4.26E-04	2.44E-01	3.60E-02	7.13E-01
4887	477363.09	3862377.25	3.45E-01	3.38E-04	2.13E-01	4.85E-02	6.07E-01	4.55E-01	3.24E+01	2.13E+00	2.48E-01	3.52E+01	4.42E-01	4.09E-04	2.13E-01	4.85E-02	7.04E-01
4888	477863.09	3862377.25	3.49E-01	1.60E-04	1.18E+00	1.88E-01	1.72E+00	4.61E-01	1.53E+01	1.18E+01	9.61E-01	2.85E+01	4.47E-01	1.94E-04	1.18E+00	1.88E-01	1.81E+00
4889	478363.09	3862377.25	2.95E-01	1.50E-04	8.77E-01	1.61E-01	1.33E+00	3.89E-01	1.44E+01	8.77E+00	8.23E-01	2.44E+01	3.78E-01	1.82E-04	8.77E-01	1.61E-01	1.42E+00
4890	478863.09	3862377.25	3.06E-01	1.57E-04	3.13E-01	6.94E-02	6.88E-01	4.04E-01	1.51E+01	3.13E+00	3.55E-01	1.90E+01	3.92E-01	1.91E-04	3.13E-01	6.94E-02	7.74E-01
4891	479363.09	3862377.25	3.58E-01	1.60E-04	5.04E-01	6.23E-02	9.24E-01	4.73E-01	1.54E+01	5.04E+00	3.18E-01	2.12E+01	4.59E-01	1.94E-04	5.04E-01	6.23E-02	1.03E+00
4892	479863.09	3862377.25	4.23E-01	3.04E-04	3.35E-01	4.26E-02	8.01E-01	5.59E-01	2.92E+01	3.35E+00	2.17E-01	3.33E+01	5.43E-01	3.68E-04	3.35E-01	4.26E-02	9.20E-01
4893	480363.09	3862377.25	4.20E-01	3.75E-04	2.10E-01	3.69E-02	6.68E-01	5.55E-01	3.60E+01	2.10E+00	1.89E-01	3.88E+01	5.39E-01	4.55E-04	2.10E-01	3.69E-02	7.86E-01
4894	480863.09	3862377.25	4.16E-01	3.85E-04	2.15E-01	3.92E-02	6.70E-01	5.49E-01	3.69E+01	2.15E+00	2.00E-01	3.98E+01	5.33E-01	4.66E-04	2.15E-01	3.92E-02	7.88E-01
4895	481363.09	3862377.25	4.29E-01	3.79E-04	2.42E-01	4.14E-02	7.13E-01	5.67E-01	3.64E+01	2.42E+00	2.11E-01	3.96E+01	5.50E-01	4.60E-04	2.42E-01	4.14E-02	8.34E-01
4896	481863.09	3862377.25	4.38E-01	4.15E-04	2.70E-01	4.34E-02	7.52E-01	5.78E-01	3.98E+01	2.70E+00	2.22E-01	4.33E+01	5.61E-01	5.03E-04	2.70E-01	4.34E-02	8.76E-01
4897	482363.09	3862377.25	4.37E-01	4.49E-04	3.38E-01	4.45E-02	8.20E-01	5.77E-01	4.31E+01	3.38E+00	2.27E-01	4.73E+01	5.60E-01	5.44E-04	3.38E-01	4.45E-02	9.43E-01
4898	482863.09	3862377.25	4.45E-01	4.89E-04	3.83E-01	5.34E-02	8.82E-01	5.88E-01	4.69E+01	3.83E+00	2.73E-01	5.16E+01	5.71E-01	5.92E-04	3.83E-01	5.34E-02	1.01E+00
4899	483363.09	3862377.25	4.55E-01	5.01E-04	2.76E-01	6.25E-02	7.94E-01	6.02E-01	4.81E+01	2.76E+00	3.19E-01	5.17E+01	5.84E-01	6.07E-04	2.76E-01	6.25E-02	9.23E-01
4900	483863.09	3862377.25	5.15E-01	4.72E-04	2.71E-01	5.58E-02	8.42E-01	6.80E-01	4.53E+01	2.71E+00	2.85E-01	4.90E+01	6.60E-01	5.72E-04	2.71E-01	5.58E-02	9.88E-01
4901	484363.09	3862377.25	7.65E-01	5.11E-04	2.56E-01	4.12E-02	1.06E+00	1.01E+00	4.90E+01	2.56E+00	2.11E-01	5.28E+01	9.81E-01	6.19E-04	2.56E-01	4.12E-02	1.28E+00
4902	484863.09	3862377.25	7.52E-01	5.40E-04	2.33E-01	4.24E-02	1.03E+00	9.93E-01	5.17E+01	2.33E+00	2.17E-01	5.53E+01	9.64E-01	6.54E-04	2.33E-01	4.24E-02	1.24E+00
4903	485363.09	3862377.25	7.33E-01	6.96E-04	2.92E-01	4.83E-02	1.07E+00	9.68E-01	6.68E+01	2.92E+00	2.47E-01	7.09E+01	9.40E-01	8.43E-04	2.92E-01	4.83E-02	1.28E+00
4904	485863.09	3862377.25	7.06E-01	7.11E-04	2.54E-01	4.27E-02	1.00E+00	9.33E-01	6.82E+01	2.54E+00	2.18E-01	7.18E+01	9.05E-01	8.61E-04	2.54E-01	4.27E-02	1.20E+00
4905	486363.09	3862377.25	6.08E-01	8.49E-04	1.70E-01	4.33E-02	8.22E-01	8.03E-01	8.15E+01	1.70E+00	2.21E-01	8.42E+01	7.79E-01	1.03E-03	1.70E-01	4.33E-02	9.93E-01
4906	486863.09	3862377.25	6.31E-01	9.18E-04	2.45E-01	4.16E-02	9.18E-01	8.33E-01	8.81E+01	2.45E+00	2.13E-01	9.16E+01	8.09E-01	1.11E-03	2.45E-01	4.16E-02	1.10E+00
4907	487363.09	3862377.25	6.95E-01	9.73E-04	4.73E-01	4.03E-02	1.21E+00	9.17E-01	9.33E+01	4.73E+00	2.06E-01	9.91E+01	8.90E-01	1.18E-03	4.73E-01	4.03E-02	1.41E+00
4908	487863.09	3862377.25	7.92E-01	9.83E-04	4.33E-01	8.37E-02	1.31E+00	1.05E+00	9.43E+01	4.33E+00	4.27E-01	1.00E+02	1.02E+00	1.19E-03	4.33E-01	8.37E-02	1.53E+00
4909	488363.09	3862377.25	8.14E-01	9.79E-04	3.19E-01	5.67E-02	1.19E+00	1.08E+00	9.39E+01	3.19E+00	2.90E-01	9.84E+01	1.04E+00	1.19E-03	3.19E-01	5.67E-02	1.42E+00
4910	488863.09	3862377.25	8.41E-01	1.61E-03	2.66E-01	9.05E-02	1.20E+00	1.11E+00	1.54E+02	2.66E+00	4.62E-01	1.58E+02	1.08E+00	1.94E-03	2.66E-01	9.05E-02	1.44E+00
4911	489363.09	3862377.25	1.29E+00	2.03E-03	1.83E-01	6.98E-02	1.55E+00	1.71E+00	1.95E+02	1.83E+00	3.56E-01	1.99E+02	1.66E+00	2.46E-03	1.83E-01	6.98E-02	1.91E+00
4912	489863.09	3862377.25	1.55E+00	1.71E-03	2.00E-01	7.11E-02	1.82E+00	2.05E+00	1.64E+02	2.00E+00	3.63E-01	1.68E+02	1.99E+00	2.07E-03	2.00E-01	7.11E-02	2.26E+00
4913	490363.09	3862377.25	9.71E-01	1.66E-03	2.77E-01	8.83E-02	1.34E+00	1.28E+00	1.59E+02	2.77E+00	4.51E-01	1.64E+02	1.25E+00	2.01E-03	2.77E-01	8.83E-02	1.61E+00
4914	490863.09	3862377.25	1.10E+00	1.74E-03	2.97E-01	1.02E-01	1.50E+00	1.45E+00	1.67E+02	2.97E+00	5.22E-01	1.72E+02	1.41E+00	2.11E-03	2.97E-01	1.02E-01	1.81E+00
4915	491363.09	3862377.25	9.40E-01	1.60E-03	2.75E-01	8.84E-02	1.30E+00	1.24E+00	1.54E+02	2.75E+00	4.51E-01	1.58E+02	1.20E+00	1.94E-03	2.75E-01	8.84E-02	1.57E+00
4916	491863.09	3862377.25	9.90E-01	1.41E-03	2.89E-01	8.98E-02	1.37E+00	1.31E+00	1.35E+02	2.89E+00	4.59E-01	1.39E+02	1.27E+00	1.70E-03	2.89E-01	8.98E-02	1.65E+00
4917	492363.09	3862377.25	9.46E-01	1.22E-03	2.65E-01	8.03E-02	1.29E+00	1.25E+00	1.17E+02	2.65E+00	4.10E-01	1.22E+02	1.21E+00	1.48E-03	2.65E-01	8.03E-02	1.56E+00
4918	492863.09	3862377.25	7.92E-01	1.13E-03	2.65E-01	8.34E-02	1.14E+00	1.05E+00	1.08E+02	2.65E+00	4.26E-01	1.12E+02	1.02E+00	1.37E-03	2.65E-01	8.34E-02	1.37E+00
4919	493363.09	3862377.25	8.42E-01	1.13E-03	2.50E-01	8.33E-02	1.18E+00	1.11E+00	1.08E+02	2.50E+00	4.26E-01	1.12E+02	1.08E+00	1.37E-03	2.50E-01	8.33E-02	1.41E+00
4920	493863.09	3862377.25	7.82E-01	1.03E-03	2.15E-01	7.64E-02	1.07E+00	1.03E+00	9.89E+01	2.15E+00	3.91E-01	1.03E+02	1.00E+00	1.25E-03	2.15E-01	7.64E-02	1.30E+00
4921	494363.09	3862377.25	7.62E-01	9.45E-04	2.37E-01	6.64E-02	1.07E+00	1.01E+00	9.06E+01	2.37E+00	3.39E-01	9.44E+01	9.77E-01	1.14E-03	2.37E-01	6.64E-02	1.28E+00
4922	494863.09	3862377.25	7.02E-01	8.47E-04	2.13E-01	6.29E-02	9.79E-01	9.28E-01	8.12E+01	2.13E+00	3.21E-01	8.46E+01	9.00E-01	1.03E-03	2.13E-01	6.29E-02	1.18E+00
4923	495363.09	3862377.25	6.72E-01	7.26E-04	2.39E-01	5.79E-02	9.69E-01	8.88E-01	6.96E+01	2.39E+00	2.96E-01	7.32E+01	8.61E-01	8.80E-04	2.39E-01	5.79E-02	1.16E+00
4924	495863.09	3862377.25	6.29E-01	6.73E-04	2.38E-01	5.28E-02	9.21E-01	8.31E-01	6.46E+01	2.38E+00	2.70E-01	6.80E+01	8.06E-01	8.15E-04	2.38E-01	5.28E-02	1.10E+00
4925	496363.09	3862377.25	6.95E-01	5.93E-04	2.06E-01	4.72E-02	9.48E-01	9.18E-01	5.69E+01	2.06E+00	2.41E-01	6.01E+01	8.91E-01	7.18E-04	2.06E-01	4.72E-02	1.14E+00
4926	496863.09	3862377.25	6.56E-01	5.49E-04	2.21E-01	4.21E-02	9.20E-01	8.66E-01	5.26E+01	2.21E+00	2.15E-01	5.59E+01	8.41E-01	6.65E-04	2.21E-01	4.21E-02	1.10E+00
4927	497363.09	3862377.25	6.40E-01	5.24E-04	2.09E-01	4.32E-02	8.93E-01	8.46E-01	5.02E+01	2.09E+00	2.20E-01	5.34E+01	8.21E-01	6.34E-04	2.09E-01	4.32E-02	1.07E+00
4928	497863.09	3862377.25	6.06E-01	5.00E-04	1.84E-01	4.35E-02	8.34E-01	8.01E-01	4.79E+01	1.84E+00	2.22E-01	5.08E+01	7.77E-01	6.05E-04	1.84E-01	4.35E-02	1.01E+00
4929	498363.09	3862377.25	5.54E-01	4.67E-04	2.20E-01	4.28E-02	8.17E-01	7.31E-01	4.48E+01	2.20E+00	2.19E-01	4.79E+01	7.10E-01	5.66E-04	2.20E-01	4.28E-02	9.73E-01
4930	471363.09	3862877.25	3.02E-01	2.62E-04	2.13E-01	3.81E-02	5.54E-01	3.99E-01	2.52E+01	2.13E+00	1.95E-01	2.79E+01	3.87E-01	3.18E-04	2.13E-01	3.81E-02	6.39E-01
4931	471863.09	3862877.25	3.20E-01	2.75E-04	1.80E-01	3.56E-02	5.36E-01	4.23E-01	2.64E+01	1.80E+00	1.82E-01	2.88E+01	4.10E-01	3.33E-04	1.80E-01	3.56E-02	6.26E-01
4932	472363.09	3862877.25	3.30E-01	2.96E-04	1.44E-01	2.98E-02	5.04E-01	4.36E-01	2.83E+01	1.44E+00	1.52E-01	3.04E+01	4.23E-01	3.58E-04	1.44E-01	2.98E-02	5.97E-01
4933	472863.09	3862877.25	3.34E-01	3.16E-04	1.40E-01	3.00E-02	5.04E-01	4.42E-01	3.03E+01	1.40E+00	1.53E-01	3.23E+01	4.29E-01	3.83E-04	1.40E-01	3.00E-02	5.99E-01
4934	473363.09	3862877.25	3.33E-01	3.32E-04	1.89E-01	3.02E-02	5.52E-01	4.39E-01	3.19E+01	1.89E+00	1.54E-01	3.44E+01	4.26E-01	4.03E-04	1.89E-01	3.02E-02	6.46E-01
4935	473863.09	3862877.25	3.24E-01	3.44E-04	2.35E-01	3.03E-02	5.89E-01	4.28E-01	3.30E+01	2.35E+00	1.55E-01	3.59E+01	4.15E-01	4.17E-04	2.35E-01	3.03E-02	6.81E-01
4936	474363.09	3862877.25	3.07E-01	3.50E-04	2.67E-01	3.02E-02	6.04E-01	4.05E-01	3.36E+01	2.67E+00	1.54E-01	3.68E+01	3.93E-01	4.24E-04	2.67E-01	3.02E-02	6.90E-01
4937	474863.09	3862877.25	2.95E-01	3.51E-04	2.75E-01	2.99E-02	6.00E-01	3.89E-01	3.36E+01	2.75E+00	1.53E-01	3.69E+01	3.78E-01	4.25E-04	2.75E-01	2.99E-02	6.83E-01

4938	475363.09	3862877.25	3.02E-01	3.45E-04	2.52E-01	2.99E-02	5.84E-01	3.98E-01	3.31E+01	2.52E+00	1.53E-01	3.62E+01	3.87E-01	4.18E-04	2.52E-01	2.99E-02	6.69E-01
4939	475863.09	3862877.25	3.12E-01	3.31E-04	2.02E-01	3.75E-02	5.52E-01	4.12E-01	3.18E+01	2.02E+00	1.91E-01	3.44E+01	4.00E-01	4.02E-04	2.02E-01	3.75E-02	6.40E-01
4940	476363.09	3862877.25	3.22E-01	3.11E-04	1.90E-01	3.59E-02	5.48E-01	4.26E-01	2.98E+01	1.90E+00	1.84E-01	3.24E+01	4.13E-01	3.77E-04	1.90E-01	3.59E-02	6.39E-01
4941	476863.09	3862877.25	3.27E-01	2.91E-04	1.96E-01	3.67E-02	5.60E-01	4.33E-01	2.79E+01	1.96E+00	1.87E-01	3.04E+01	4.20E-01	3.52E-04	1.96E-01	3.67E-02	6.52E-01
4942	477363.09	3862877.25	3.26E-01	2.91E-04	1.93E-01	3.98E-02	5.60E-01	4.31E-01	2.79E+01	1.93E+00	2.03E-01	3.05E+01	4.19E-01	3.53E-04	1.93E-01	3.98E-02	6.52E-01
4943	477863.09	3862877.25	3.73E-01	2.59E-04	2.75E-01	5.06E-02	6.98E-01	4.92E-01	2.48E+01	2.75E+00	2.59E-01	2.83E+01	4.78E-01	3.14E-04	2.75E-01	5.06E-02	8.03E-01
4944	478363.09	3862877.25	3.44E-01	1.61E-04	4.47E-01	7.16E-02	8.63E-01	4.55E-01	1.54E+01	4.47E+00	3.66E-01	2.07E+01	4.41E-01	1.95E-04	4.47E-01	7.16E-02	9.60E-01
4945	478863.09	3862877.25	3.53E-01	1.63E-04	4.51E-01	7.42E-02	8.79E-01	4.67E-01	1.56E+01	4.51E+00	3.79E-01	2.10E+01	4.53E-01	1.97E-04	4.51E-01	7.42E-02	9.79E-01
4946	479363.09	3862877.25	3.68E-01	1.64E-04	2.69E-01	6.66E-02	7.04E-01	4.86E-01	1.57E+01	2.69E+00	3.40E-01	1.93E+01	4.72E-01	1.99E-04	2.69E-01	6.66E-02	8.08E-01
4947	479863.09	3862877.25	3.96E-01	3.29E-04	1.99E-01	3.80E-02	6.33E-01	5.23E-01	3.15E+01	1.99E+00	1.94E-01	3.42E+01	5.07E-01	3.98E-04	1.99E-01	3.80E-02	7.44E-01
4948	480363.09	3862877.25	3.87E-01	3.46E-04	2.04E-01	3.98E-02	6.32E-01	5.12E-01	3.32E+01	2.04E+00	2.03E-01	3.60E+01	4.97E-01	4.19E-04	2.04E-01	3.98E-02	7.41E-01
4949	480863.09	3862877.25	4.04E-01	3.74E-04	2.44E-01	4.09E-02	6.89E-01	5.34E-01	3.58E+01	2.44E+00	2.09E-01	3.90E+01	5.19E-01	4.53E-04	2.44E-01	4.09E-02	8.04E-01
4950	481363.09	3862877.25	4.12E-01	3.99E-04	2.51E-01	4.10E-02	7.04E-01	5.44E-01	3.82E+01	2.51E+00	2.09E-01	4.15E+01	5.28E-01	4.83E-04	2.51E-01	4.10E-02	8.20E-01
4951	481863.09	3862877.25	4.17E-01	4.05E-04	3.70E-01	3.91E-02	8.27E-01	5.51E-01	3.88E+01	3.70E+00	2.00E-01	4.33E+01	5.34E-01	4.91E-04	3.70E-01	3.91E-02	9.44E-01
4952	482363.09	3862877.25	4.15E-01	4.07E-04	3.33E-01	3.84E-02	7.87E-01	5.48E-01	3.91E+01	3.33E+00	1.96E-01	4.31E+01	5.32E-01	4.94E-04	3.33E-01	3.84E-02	9.04E-01
4953	482863.09	3862877.25	4.26E-01	5.02E-04	2.50E-01	5.42E-02	7.31E-01	5.63E-01	4.81E+01	2.50E+00	2.77E-01	5.14E+01	5.47E-01	6.08E-04	2.50E-01	5.42E-02	8.51E-01
4954	483363.09	3862877.25	4.35E-01	4.99E-04	2.49E-01	6.09E-02	7.45E-01	5.74E-01	4.79E+01	2.49E+00	3.11E-01	5.13E+01	5.57E-01	6.05E-04	2.49E-01	6.09E-02	8.68E-01
4955	483863.09	3862877.25	5.59E-01	4.47E-04	2.37E-01	5.23E-02	8.49E-01	7.39E-01	4.29E+01	2.37E+00	2.67E-01	4.63E+01	7.17E-01	5.42E-04	2.37E-01	5.23E-02	1.01E+00
4956	484363.09	3862877.25	7.56E-01	4.81E-04	2.36E-01	4.11E-02	1.03E+00	9.98E-01	4.61E+01	2.36E+00	2.10E-01	4.97E+01	9.69E-01	5.82E-04	2.36E-01	4.11E-02	1.25E+00
4957	484863.09	3862877.25	7.40E-01	6.10E-04	2.10E-01	4.67E-02	9.97E-01	9.77E-01	5.85E+01	2.10E+00	2.39E-01	6.18E+01	9.48E-01	7.39E-04	2.10E-01	4.67E-02	1.21E+00
4958	485363.09	3862877.25	7.31E-01	6.04E-04	3.18E-01	4.17E-02	1.09E+00	9.65E-01	5.79E+01	3.18E+00	2.13E-01	6.22E+01	9.37E-01	7.31E-04	3.18E-01	4.17E-02	1.30E+00
4959	485863.09	3862877.25	6.75E-01	6.98E-04	3.10E-01	4.19E-02	1.03E+00	8.92E-01	6.69E+01	3.10E+00	2.14E-01	7.11E+01	8.66E-01	8.45E-04	3.10E-01	4.19E-02	1.22E+00
4960	486363.09	3862877.25	5.78E-01	7.50E-04	1.76E-01	3.92E-02	7.93E-01	7.63E-01	7.19E+01	1.76E+00	2.00E-01	7.46E+01	7.41E-01	9.08E-04	1.76E-01	3.92E-02	9.56E-01
4961	486863.09	3862877.25	5.95E-01	8.10E-04	2.83E-01	4.18E-02	9.20E-01	7.86E-01	7.77E+01	2.83E+00	2.13E-01	8.15E+01	7.63E-01	9.82E-04	2.83E-01	4.18E-02	1.09E+00
4962	487363.09	3862877.25	6.35E-01	8.25E-04	4.62E-01	5.23E-02	1.15E+00	8.38E-01	7.92E+01	4.62E+00	2.67E-01	8.49E+01	8.14E-01	1.00E-03	4.62E-01	5.23E-02	1.33E+00
4963	487863.09	3862877.25	6.96E-01	8.95E-04	3.95E-01	8.92E-02	1.18E+00	9.19E-01	8.58E+01	3.95E+00	4.56E-01	9.12E+01	8.92E-01	1.08E-03	3.95E-01	8.92E-02	1.38E+00
4964	488363.09	3862877.25	7.63E-01	8.28E-04	3.14E-01	5.70E-02	1.13E+00	1.01E+00	7.94E+01	3.14E+00	2.91E-01	8.38E+01	9.78E-01	1.00E-03	3.14E-01	5.70E-02	1.35E+00
4965	488863.09	3862877.25	7.77E-01	1.09E-03	2.22E-01	4.91E-02	1.05E+00	1.03E+00	1.05E+02	2.22E+00	2.51E-01	1.08E+02	9.96E-01	1.32E-03	2.22E-01	4.91E-02	1.27E+00
4966	489363.09	3862877.25	8.22E-01	1.66E-03	2.26E-01	6.15E-02	1.11E+00	1.09E+00	1.60E+02	2.26E+00	3.14E-01	1.63E+02	1.05E+00	2.02E-03	2.26E-01	6.15E-02	1.34E+00
4967	489863.09	3862877.25	1.38E+00	1.74E-03	1.44E-01	7.56E-02	1.60E+00	1.83E+00	1.67E+02	1.44E+00	3.86E-01	1.71E+02	1.77E+00	2.11E-03	1.44E-01	7.56E-02	1.99E+00
4968	490363.09	3862877.25	1.28E+00	1.32E-03	2.15E-01	7.75E-02	1.57E+00	1.69E+00	1.27E+02	2.15E+00	3.96E-01	1.31E+02	1.64E+00	1.60E-03	2.15E-01	7.75E-02	1.94E+00
4969	490863.09	3862877.25	9.12E-01	1.46E-03	2.69E-01	8.78E-02	1.27E+00	1.20E+00	1.40E+02	2.69E+00	4.49E-01	1.45E+02	1.17E+00	1.77E-03	2.69E-01	8.78E-02	1.53E+00
4970	491363.09	3862877.25	1.00E+00	1.55E-03	2.79E-01	1.00E-01	1.38E+00	1.32E+00	1.49E+02	2.79E+00	5.11E-01	1.54E+02	1.28E+00	1.88E-03	2.79E-01	1.00E-01	1.66E+00
4971	491863.09	3862877.25	8.57E-01	1.43E-03	2.52E-01	8.87E-02	1.20E+00	1.13E+00	1.37E+02	2.52E+00	4.53E-01	1.41E+02	1.10E+00	1.73E-03	2.52E-01	8.87E-02	1.44E+00
4972	492363.09	3862877.25	9.01E-01	1.31E-03	2.63E-01	8.38E-02	1.25E+00	1.19E+00	1.25E+02	2.63E+00	4.28E-01	1.30E+02	1.15E+00	1.58E-03	2.63E-01	8.38E-02	1.50E+00
4973	492863.09	3862877.25	8.52E-01	1.13E-03	2.47E-01	7.90E-02	1.18E+00	1.13E+00	1.08E+02	2.47E+00	4.04E-01	1.12E+02	1.09E+00	1.37E-03	2.47E-01	7.90E-02	1.42E+00
4974	493363.09	3862877.25	7.50E-01	1.07E-03	2.53E-01	7.37E-02	1.08E+00	9.91E-01	1.03E+02	2.53E+00	3.76E-01	1.06E+02	9.61E-01	1.29E-03	2.53E-01	7.37E-02	1.29E+00
4975	493863.09	3862877.25	7.95E-01	1.03E-03	2.78E-01	8.01E-02	1.15E+00	1.05E+00	9.90E+01	2.78E+00	4.09E-01	1.03E+02	1.02E+00	1.25E-03	2.78E-01	8.01E-02	1.38E+00
4976	494363.09	3862877.25	6.95E-01	1.02E-03	2.01E-01	7.83E-02	9.76E-01	9.19E-01	9.75E+01	2.01E+00	4.00E-01	1.01E+02	8.92E-01	1.23E-03	2.01E-01	7.83E-02	1.17E+00
4977	494863.09	3862877.25	6.95E-01	8.98E-04	2.20E-01	7.06E-02	9.86E-01	9.18E-01	8.61E+01	2.20E+00	3.61E-01	8.96E+01	8.91E-01	1.09E-03	2.20E-01	7.06E-02	1.18E+00
4978	495363.09	3862877.25	6.22E-01	8.37E-04	2.00E-01	6.28E-02	8.86E-01	8.22E-01	8.03E+01	2.00E+00	3.21E-01	8.34E+01	7.98E-01	1.01E-03	2.00E-01	6.28E-02	1.06E+00
4979	495863.09	3862877.25	6.22E-01	7.57E-04	2.08E-01	6.05E-02	8.91E-01	8.22E-01	7.26E+01	2.08E+00	3.09E-01	7.58E+01	7.98E-01	9.17E-04	2.08E-01	6.05E-02	1.07E+00
4980	496363.09	3862877.25	5.85E-01	6.65E-04	2.41E-01	5.65E-02	8.83E-01	7.73E-01	6.37E+01	2.41E+00	2.89E-01	6.72E+01	7.50E-01	8.05E-04	2.41E-01	5.65E-02	1.05E+00
4981	496863.09	3862877.25	5.81E-01	6.23E-04	2.24E-01	5.17E-02	8.58E-01	7.68E-01	5.97E+01	2.24E+00	2.64E-01	6.30E+01	7.45E-01	7.54E-04	2.24E-01	5.17E-02	1.02E+00
4982	497363.09	3862877.25	6.32E-01	5.59E-04	1.90E-01	4.62E-02	8.69E-01	8.34E-01	5.36E+01	1.90E+00	2.36E-01	5.66E+01	8.10E-01	6.77E-04	1.90E-01	4.62E-02	1.05E+00
4983	497863.09	3862877.25	5.60E-01	4.91E-04	2.00E-01	4.09E-02	8.01E-01	7.39E-01	4.70E+01	2.00E+00	2.09E-01	5.00E+01	7.18E-01	5.94E-04	2.00E-01	4.09E-02	9.59E-01
4984	498363.09	3862877.25	5.77E-01	4.85E-04	1.93E-01	3.95E-02	8.10E-01	7.63E-01	4.65E+01	1.93E+00	2.02E-01	4.94E+01	7.40E-01	5.87E-04	1.93E-01	3.95E-02	9.73E-01
4985	471363.09	3863377.25	3.12E-01	3.22E-04	1.38E-01	3.03E-02	4.81E-01	4.13E-01	3.09E+01	1.38E+00	1.55E-01	3.28E+01	4.00E-01	3.90E-04	1.38E-01	3.03E-02	5.69E-01
4986	471863.09	3863377.25	3.16E-01	3.35E-04	1.83E-01	2.77E-02	5.27E-01	4.18E-01	3.22E+01	1.83E+00	1.41E-01	3.45E+01	4.05E-01	4.06E-04	1.83E-01	2.77E-02	6.16E-01
4987	472363.09	3863377.25	3.14E-01	3.44E-04	2.27E-01	2.82E-02	5.69E-01	4.15E-01	3.30E+01	2.27E+00	1.44E-01	3.59E+01	4.03E-01	4.17E-04	2.27E-01	2.82E-02	6.58E-01
4988	472863.09	3863377.25	3.04E-01	3.48E-04	2.61E-01	2.91E-02	5.95E-01	4.02E-01	3.34E+01	2.61E+00	1.49E-01	3.66E+01	3.90E-01	4.22E-04	2.61E-01	2.91E-02	6.81E-01
4989	473363.09	3863377.25	2.89E-01	3.46E-04	2.76E-01	3.02E-02	5.96E-01	3.82E-01	3.32E+01	2.76E+00	1.54E-01	3.65E+01	3.71E-01	4.20E-04	2.76E-01	3.02E-02	6.78E-01
4990	473863.09	3863377.25	2.76E-01	3.37E-04	2.64E-01	3.16E-02	5.72E-01	3.64E-01	3.23E+01	2.64E+00	1.61E-01	3.55E+01	3.54E-01	4.08E-04	2.64E-01	3.16E-02	6.50E-01
4991	474363.09	3863377.25	2.84E-01	3.22E-04	2.26E-01	3.29E-02	5.44E-01	3.75E-01	3.08E+01	2.26E+00	1.68E-01	3.36E+01	3.64E-01	3.90E-04	2.26E-01	3.29E-02	6.24E-01
4992	474863.09	3863377.25	2.88E-01	3.05E-04	1.81E-01	3.33E-02	5.03E-01	3.80E-01	2.92E+01	1.81E+00	1.70E-01	3.16E+01	3.69E-01	3.69E-04	1.81E-01	3.33E-02	5.84E-01
4993	475363.09	3863377.25	3.00E-01	2.87E-04	1.79E-01	3.85E-02	5.18E-01	3.97E-01	2.75E+01	1.79E+00	1.97E-01	2.99E+01	3.85E-01	3.48E-04	1.79E-01	3.85E-02	6.03E-01
4994	475863.09	3863377.25	3.08E-01	2.86E-04	1.82E-01	3.55E-02	5.26E-01	4.07E-01	2.74E+01	1.82E+00	1.81E-01	2.98E+01	3.95E-01	3.46E-04	1.82E-01	3.55E-02	6.13E-01
4995	476363.09	3863377.25	3.10E-01	2.93E-04	1.78E-01	2.94E-02	5.18E-01	4.09E-01	2.81E+01	1.78E+00	1.50E-01	3.04E+01	3.97E-01	3.54E-04	1.78E-01	2.94E-02	6.05E-01
4996	476863.09	3863377.25	3.10E-01	2.94E-04	2.59E-01	2.95E-02	5.99E-01	4.09E-01	2.82E+01	2.59E+00	1.51E-01	3.13E+01	3.97E-01	3.56E-04	2.59E-01	2.95E-02	6.86E-01
4997	477363.09	3863377.25	3.48E-01	2.98E-04	3.16E-01	3.16E-02	6.96E-01	4.60E-01	2.86E+01	3.16E+00	1.61E-01	3.24E+01	4.46E-01	3.61E-04	3.16E-01	3.16E-02	7.94E-01
4998	477863.09	3863377.25	3.67E-01	2.88E-04	3.14E-01	3.70E-02	7.18E-01	4.85E-01	2.76E+01	3.14E+00	1.89E-01	3.15E+01	4.71E-01	3.49E-04	3.14E-01	3.70E-02	8.22E-01

4999	478363.09	3863377.25	3.71E-01	2.31E-04	2.51E-01	6.73E-02	6.89E-01	4.90E-01	2.22E+01	2.51E+00	3.44E-01	2.55E+01	4.75E-01	2.80E-04	2.51E-01	6.73E-02	7.94E-01
5000	478863.09	3863377.25	3.80E-01	2.38E-04	1.82E-01	6.94E-02	6.32E-01	5.02E-01	2.28E+01	1.82E+00	3.55E-01	2.55E+01	4.87E-01	2.88E-04	1.82E-01	6.94E-02	7.40E-01
5001	479363.09	3863377.25	3.73E-01	2.91E-04	1.80E-01	3.77E-02	5.91E-01	4.93E-01	2.79E+01	1.80E+00	1.93E-01	3.04E+01	4.78E-01	3.53E-04	1.80E-01	3.77E-02	6.96E-01
5002	479863.09	3863377.25	3.61E-01	3.42E-04	2.13E-01	3.83E-02	6.12E-01	4.77E-01	3.28E+01	2.13E+00	1.96E-01	3.56E+01	4.63E-01	4.14E-04	2.13E-01	3.83E-02	7.14E-01
5003	480363.09	3863377.25	3.80E-01	3.60E-04	2.34E-01	3.77E-02	6.52E-01	5.02E-01	3.45E+01	2.34E+00	1.93E-01	3.76E+01	4.87E-01	4.36E-04	2.34E-01	3.77E-02	7.60E-01
5004	480863.09	3863377.25	3.90E-01	3.69E-04	2.55E-01	3.91E-02	6.85E-01	5.15E-01	3.54E+01	2.55E+00	2.00E-01	3.86E+01	5.00E-01	4.47E-04	2.55E-01	3.91E-02	7.95E-01
5005	481363.09	3863377.25	3.91E-01	3.66E-04	3.40E-01	3.55E-02	7.67E-01	5.17E-01	3.51E+01	3.40E+00	1.81E-01	3.92E+01	5.02E-01	4.44E-04	3.40E-01	3.55E-02	8.77E-01
5006	481863.09	3863377.25	3.87E-01	3.56E-04	2.92E-01	3.42E-02	7.14E-01	5.11E-01	3.42E+01	2.92E+00	1.75E-01	3.78E+01	4.96E-01	4.32E-04	2.92E-01	3.42E-02	8.23E-01
5007	482363.09	3863377.25	4.00E-01	4.20E-04	2.27E-01	3.99E-02	6.67E-01	5.28E-01	4.03E+01	2.27E+00	2.04E-01	4.33E+01	5.13E-01	5.09E-04	2.27E-01	3.99E-02	7.80E-01
5008	482863.09	3863377.25	4.03E-01	5.24E-04	2.19E-01	5.36E-02	6.77E-01	5.33E-01	5.02E+01	2.19E+00	2.74E-01	5.32E+01	5.17E-01	6.35E-04	2.19E-01	5.36E-02	7.91E-01
5009	483363.09	3863377.25	4.16E-01	5.03E-04	2.22E-01	5.79E-02	6.96E-01	5.50E-01	4.82E+01	2.22E+00	2.96E-01	5.13E+01	5.33E-01	6.09E-04	2.22E-01	5.79E-02	8.14E-01
5010	483863.09	3863377.25	5.88E-01	4.33E-04	2.19E-01	4.86E-02	8.56E-01	7.77E-01	4.15E+01	2.19E+00	2.48E-01	4.47E+01	7.54E-01	5.25E-04	2.19E-01	4.86E-02	1.02E+00
5011	484363.09	3863377.25	7.37E-01	5.42E-04	1.53E-01	4.41E-02	9.35E-01	9.74E-01	5.20E+01	1.53E+00	2.25E-01	5.47E+01	9.45E-01	6.56E-04	1.53E-01	4.41E-02	1.14E+00
5012	484863.09	3863377.25	7.39E-01	5.21E-04	3.11E-01	4.06E-02	1.09E+00	9.76E-01	4.99E+01	3.11E+00	2.07E-01	5.42E+01	9.47E-01	6.31E-04	3.11E-01	4.06E-02	1.30E+00
5013	485363.09	3863377.25	7.23E-01	5.78E-04	2.70E-01	3.81E-02	1.03E+00	9.55E-01	5.54E+01	2.70E+00	1.95E-01	5.93E+01	9.27E-01	7.00E-04	2.70E-01	3.81E-02	1.24E+00
5014	485863.09	3863377.25	6.37E-01	6.07E-04	2.42E-01	3.24E-02	9.12E-01	8.41E-01	5.82E+01	2.42E+00	1.65E-01	6.16E+01	8.17E-01	7.35E-04	2.42E-01	3.24E-02	1.09E+00
5015	486363.09	3863377.25	5.44E-01	6.80E-04	1.84E-01	4.58E-02	7.75E-01	7.19E-01	6.52E+01	1.84E+00	2.34E-01	6.80E+01	6.98E-01	8.24E-04	1.84E-01	4.58E-02	9.28E-01
5016	486863.09	3863377.25	5.66E-01	7.22E-04	3.11E-01	4.42E-02	9.22E-01	7.48E-01	6.92E+01	3.11E+00	2.26E-01	7.33E+01	7.26E-01	8.74E-04	3.11E-01	4.42E-02	1.08E+00
5017	487363.09	3863377.25	6.00E-01	7.20E-04	4.44E-01	6.20E-02	1.11E+00	7.92E-01	6.91E+01	4.44E+00	3.17E-01	7.46E+01	7.69E-01	8.73E-04	4.44E-01	6.20E-02	1.28E+00
5018	487863.09	3863377.25	6.46E-01	8.50E-04	3.61E-01	8.69E-02	1.09E+00	8.53E-01	8.15E+01	3.61E+00	4.44E-01	8.64E+01	8.28E-01	1.03E-03	3.61E-01	8.69E-02	1.28E+00
5019	488363.09	3863377.25	7.25E-01	7.49E-04	3.03E-01	5.30E-02	1.08E+00	9.58E-01	7.18E+01	3.03E+00	2.71E-01	7.61E+01	9.30E-01	9.07E-04	3.03E-01	5.30E-02	1.29E+00
5020	488863.09	3863377.25	7.27E-01	8.31E-04	1.79E-01	4.42E-02	9.51E-01	9.60E-01	7.97E+01	1.79E+00	2.26E-01	8.27E+01	9.32E-01	1.01E-03	1.79E-01	4.42E-02	1.16E+00
5021	489363.09	3863377.25	7.36E-01	1.21E-03	2.43E-01	5.38E-02	1.03E+00	9.72E-01	1.16E+02	2.43E+00	2.75E-01	1.20E+02	9.43E-01	1.47E-03	2.43E-01	5.38E-02	1.24E+00
5022	489863.09	3863377.25	1.00E+00	1.60E-03	1.43E-01	6.97E-02	1.22E+00	1.32E+00	1.53E+02	1.43E+00	3.56E-01	1.56E+02	1.28E+00	1.93E-03	1.43E-01	6.97E-02	1.50E+00
5023	490363.09	3863377.25	1.34E+00	1.46E-03	1.69E-01	6.95E-02	1.58E+00	1.76E+00	1.40E+02	1.69E+00	3.55E-01	1.44E+02	1.71E+00	1.77E-03	1.69E-01	6.95E-02	1.95E+00
5024	490863.09	3863377.25	9.85E-01	1.21E-03	2.36E-01	8.10E-02	1.30E+00	1.30E+00	1.16E+02	2.36E+00	4.14E-01	1.20E+02	1.26E+00	1.47E-03	2.36E-01	8.10E-02	1.58E+00
5025	491363.09	3863377.25	8.41E-01	1.31E-03	2.50E-01	8.50E-02	1.18E+00	1.11E+00	1.25E+02	2.50E+00	4.34E-01	1.29E+02	1.08E+00	1.58E-03	2.50E-01	8.50E-02	1.41E+00
5026	491863.09	3863377.25	8.77E-01	1.38E-03	2.46E-01	9.42E-02	1.22E+00	1.16E+00	1.33E+02	2.46E+00	4.81E-01	1.37E+02	1.12E+00	1.68E-03	2.46E-01	9.42E-02	1.47E+00
5027	492363.09	3863377.25	8.16E-01	1.31E-03	2.59E-01	9.64E-02	1.17E+00	1.08E+00	1.26E+02	2.59E+00	4.93E-01	1.30E+02	1.05E+00	1.59E-03	2.59E-01	9.64E-02	1.40E+00
5028	492863.09	3863377.25	8.55E-01	1.20E-03	2.86E-01	9.02E-02	1.23E+00	1.13E+00	1.15E+02	2.86E+00	4.61E-01	1.20E+02	1.10E+00	1.46E-03	2.86E-01	9.02E-02	1.47E+00
5029	493363.09	3863377.25	8.18E-01	1.22E-03	2.51E-01	8.53E-02	1.16E+00	1.08E+00	1.17E+02	2.51E+00	4.36E-01	1.21E+02	1.05E+00	1.47E-03	2.51E-01	8.53E-02	1.39E+00
5030	493863.09	3863377.25	7.43E-01	1.07E-03	2.87E-01	8.59E-02	1.12E+00	9.82E-01	1.03E+02	2.87E+00	4.39E-01	1.07E+02	9.53E-01	1.30E-03	2.87E-01	8.59E-02	1.33E+00
5031	494363.09	3863377.25	7.58E-01	9.44E-04	3.09E-01	7.62E-02	1.14E+00	1.00E+00	9.06E+01	3.09E+00	3.89E-01	9.50E+01	9.72E-01	1.14E-03	3.09E-01	7.62E-02	1.36E+00
5032	494863.09	3863377.25	6.92E-01	9.64E-04	2.01E-01	8.03E-02	9.74E-01	9.14E-01	9.25E+01	2.01E+00	4.10E-01	9.58E+01	8.87E-01	1.17E-03	2.01E-01	8.03E-02	1.17E+00
5033	495363.09	3863377.25	7.00E-01	9.63E-04	2.34E-01	7.82E-02	1.01E+00	9.25E-01	9.24E+01	2.34E+00	3.99E-01	9.60E+01	8.98E-01	1.17E-03	2.34E-01	7.82E-02	1.21E+00
5034	495863.09	3863377.25	6.61E-01	8.83E-04	2.49E-01	7.42E-02	9.85E-01	8.73E-01	8.47E+01	2.49E+00	3.79E-01	8.84E+01	8.47E-01	1.07E-03	2.49E-01	7.42E-02	1.17E+00
5035	496363.09	3863377.25	5.94E-01	7.69E-04	1.78E-01	6.17E-02	8.34E-01	7.85E-01	7.38E+01	1.78E+00	3.15E-01	7.67E+01	7.61E-01	9.32E-04	1.78E-01	6.17E-02	1.00E+00
5036	496863.09	3863377.25	5.57E-01	6.84E-04	2.08E-01	5.80E-02	8.24E-01	7.36E-01	6.56E+01	2.08E+00	2.96E-01	6.87E+01	7.14E-01	8.29E-04	2.08E-01	5.80E-02	9.81E-01
5037	497363.09	3863377.25	5.28E-01	6.09E-04	2.48E-01	5.45E-02	8.32E-01	6.98E-01	5.84E+01	2.48E+00	2.78E-01	6.19E+01	6.78E-01	7.38E-04	2.48E-01	5.45E-02	9.81E-01
5038	497863.09	3863377.25	5.58E-01	5.76E-04	2.19E-01	5.03E-02	8.27E-01	7.37E-01	5.53E+01	2.19E+00	2.57E-01	5.85E+01	7.15E-01	6.98E-04	2.19E-01	5.03E-02	9.85E-01
5039	498363.09	3863377.25	5.72E-01	5.29E-04	1.78E-01	4.53E-02	7.96E-01	7.56E-01	5.08E+01	1.78E+00	2.32E-01	5.35E+01	7.34E-01	6.41E-04	1.78E-01	4.53E-02	9.57E-01
5040	471363.09	3863877.25	2.97E-01	3.44E-04	2.52E-01	3.16E-02	5.81E-01	3.93E-01	3.30E+01	2.52E+00	1.61E-01	3.61E+01	3.81E-01	4.17E-04	2.52E-01	3.16E-02	6.65E-01
5041	471863.09	3863877.25	2.88E-01	3.37E-04	2.67E-01	3.32E-02	5.89E-01	3.80E-01	3.23E+01	2.67E+00	1.70E-01	3.56E+01	3.69E-01	4.08E-04	2.67E-01	3.32E-02	6.70E-01
5042	472363.09	3863877.25	2.75E-01	3.27E-04	2.65E-01	3.38E-02	5.74E-01	3.63E-01	3.14E+01	2.65E+00	1.73E-01	3.46E+01	3.53E-01	3.96E-04	2.65E-01	3.38E-02	6.52E-01
5043	472863.09	3863877.25	2.62E-01	3.13E-04	2.41E-01	3.40E-02	5.37E-01	3.46E-01	3.00E+01	2.41E+00	1.74E-01	3.29E+01	3.36E-01	3.79E-04	2.41E-01	3.40E-02	6.11E-01
5044	473363.09	3863877.25	2.67E-01	2.98E-04	2.05E-01	3.33E-02	5.05E-01	3.52E-01	2.86E+01	2.05E+00	1.70E-01	3.12E+01	3.42E-01	3.62E-04	2.05E-01	3.33E-02	5.80E-01
5045	473863.09	3863877.25	2.73E-01	2.84E-04	1.62E-01	3.20E-02	4.68E-01	3.61E-01	2.72E+01	1.62E+00	1.63E-01	2.94E+01	3.50E-01	3.44E-04	1.62E-01	3.20E-02	5.45E-01
5046	474363.09	3863877.25	2.77E-01	2.75E-04	1.68E-01	3.50E-02	4.81E-01	3.66E-01	2.64E+01	1.68E+00	1.79E-01	2.86E+01	3.55E-01	3.33E-04	1.68E-01	3.50E-02	5.59E-01
5047	474863.09	3863877.25	2.89E-01	2.71E-04	1.69E-01	3.95E-02	4.98E-01	3.82E-01	2.60E+01	1.69E+00	2.02E-01	2.83E+01	3.71E-01	3.29E-04	1.69E-01	3.95E-02	5.80E-01
5048	475363.09	3863877.25	2.94E-01	2.73E-04	1.88E-01	3.50E-02	5.18E-01	3.89E-01	2.62E+01	1.88E+00	1.79E-01	2.86E+01	3.77E-01	3.30E-04	1.88E-01	3.50E-02	6.01E-01
5049	475863.09	3863877.25	2.92E-01	2.81E-04	2.74E-01	2.94E-02	5.96E-01	3.86E-01	2.70E+01	2.74E+00	1.50E-01	3.02E+01	3.74E-01	3.41E-04	2.74E-01	2.94E-02	6.78E-01
5050	476363.09	3863877.25	2.97E-01	2.87E-04	3.25E-01	3.12E-02	6.53E-01	3.92E-01	2.75E+01	3.25E+00	1.59E-01	3.13E+01	3.80E-01	3.47E-04	3.25E-01	3.12E-02	7.37E-01
5051	476863.09	3863877.25	3.30E-01	2.90E-04	3.28E-01	3.29E-02	6.91E-01	4.36E-01	2.78E+01	3.28E+00	1.68E-01	3.17E+01	4.23E-01	3.51E-04	3.28E-01	3.29E-02	7.84E-01
5052	477363.09	3863877.25	3.49E-01	2.87E-04	2.56E-01	3.43E-02	6.40E-01	4.61E-01	2.76E+01	2.56E+00	1.75E-01	3.08E+01	4.48E-01	3.48E-04	2.56E-01	3.43E-02	7.38E-01
5053	477863.09	3863877.25	3.59E-01	2.80E-04	1.72E-01	3.53E-02	5.66E-01	4.74E-01	2.69E+01	1.72E+00	1.80E-01	2.92E+01	4.60E-01	3.39E-04	1.72E-01	3.53E-02	6.67E-01
5054	478363.09	3863877.25	3.64E-01	2.55E-04	1.70E-01	5.72E-02	5.92E-01	4.81E-01	2.44E+01	1.70E+00	2.92E-01	2.69E+01	4.67E-01	3.09E-04	1.70E-01	5.72E-02	6.95E-01
5055	478863.09	3863877.25	3.51E-01	3.07E-04	1.80E-01	3.56E-02	5.67E-01	4.64E-01	2.94E+01	1.80E+00	1.82E-01	3.19E+01	4.50E-01	3.72E-04	1.80E-01	3.56E-02	6.66E-01
5056	479363.09	3863877.25	3.43E-01	3.32E-04	2.13E-01	3.47E-02	5.91E-01	4.53E-01	3.18E+01	2.13E+00	1.77E-01	3.46E+01	4.40E-01	4.02E-04	2.13E-01	3.47E-02	6.88E-01
5057	479863.09	3863877.25	3.59E-01	3.37E-04	2.22E-01	3.99E-02	6.21E-01	4.74E-01	3.23E+01	2.22E+00	2.04E-01	3.52E+01	4.60E-01	4.08E-04	2.22E-01	3.99E-02	7.22E-01
5058	480363.09	3863877.25	3.69E-01	3.32E-04	2.72E-01	3.80E-02	6.79E-01	4.88E-01	3.18E+01	2.72E+00	1.94E-01	3.52E+01	4.73E-01	4.02E-04	2.72E-01	3.80E-02	7.83E-01
5059	480863.09	3863877.25	3.73E-01	3.19E-04	3.35E-01	3.67E-02	7.45E-01	4.93E-01	3.06E+01	3.35E+00	1.87E-01	3.47E+01	4.79E-01	3.87E-04	3.35E-01	3.67E-02	8.50E-01

5060	481363.09	3863877.25	3.60E-01	3.15E-04	2.58E-01	3.31E-02	6.51E-01	4.75E-01	3.02E+01	2.58E+00	1.69E-01	3.34E+01	4.61E-01	3.81E-04	2.58E-01	3.31E-02	7.53E-01
5061	481863.09	3863877.25	3.76E-01	3.29E-04	2.07E-01	3.55E-02	6.19E-01	4.96E-01	3.16E+01	2.07E+00	1.81E-01	3.43E+01	4.82E-01	3.99E-04	2.07E-01	3.55E-02	7.25E-01
5062	482363.09	3863877.25	3.84E-01	4.48E-04	2.00E-01	4.10E-02	6.25E-01	5.07E-01	4.30E+01	2.00E+00	2.09E-01	4.57E+01	4.92E-01	5.43E-04	2.00E-01	4.10E-02	7.34E-01
5063	482863.09	3863877.25	3.87E-01	5.37E-04	2.06E-01	5.26E-02	6.45E-01	5.11E-01	5.15E+01	2.06E+00	2.69E-01	5.43E+01	4.96E-01	6.50E-04	2.06E-01	5.26E-02	7.54E-01
5064	483363.09	3863877.25	3.99E-01	4.92E-04	2.03E-01	5.48E-02	6.57E-01	5.27E-01	4.72E+01	2.03E+00	2.80E-01	5.00E+01	5.11E-01	5.96E-04	2.03E-01	5.48E-02	7.70E-01
5065	483863.09	3863877.25	6.11E-01	4.87E-04	1.68E-01	4.52E-02	8.25E-01	8.07E-01	4.67E+01	1.68E+00	2.31E-01	4.94E+01	7.83E-01	5.90E-04	1.68E-01	4.52E-02	9.97E-01
5066	484363.09	3863877.25	7.28E-01	4.62E-04	2.40E-01	3.74E-02	1.01E+00	9.62E-01	4.43E+01	2.40E+00	1.91E-01	4.79E+01	9.34E-01	5.60E-04	2.40E-01	3.74E-02	1.21E+00
5067	484863.09	3863877.25	7.28E-01	5.04E-04	3.01E-01	3.53E-02	1.06E+00	9.62E-01	4.84E+01	3.01E+00	1.80E-01	5.25E+01	9.34E-01	6.11E-04	3.01E-01	3.53E-02	1.27E+00
5068	485363.09	3863877.25	7.18E-01	5.63E-04	3.22E-01	3.41E-02	1.08E+00	9.49E-01	5.40E+01	3.22E+00	1.74E-01	5.83E+01	9.21E-01	6.82E-04	3.22E-01	3.41E-02	1.28E+00
5069	485863.09	3863877.25	5.94E-01	5.89E-04	1.47E-01	4.39E-02	7.85E-01	7.85E-01	5.65E+01	1.47E+00	2.24E-01	5.90E+01	7.62E-01	7.14E-04	1.47E-01	4.39E-02	9.53E-01
5070	486363.09	3863877.25	5.14E-01	6.27E-04	1.71E-01	3.94E-02	7.24E-01	6.78E-01	6.02E+01	1.71E+00	2.01E-01	6.27E+01	6.58E-01	7.60E-04	1.71E-01	3.94E-02	8.69E-01
5071	486863.09	3863877.25	5.39E-01	6.61E-04	3.26E-01	4.74E-02	9.13E-01	7.12E-01	6.34E+01	3.26E+00	2.42E-01	6.76E+01	6.91E-01	8.01E-04	3.26E-01	4.74E-02	1.07E+00
5072	487363.09	3863877.25	5.62E-01	7.21E-04	4.21E-01	6.80E-02	1.05E+00	7.43E-01	6.91E+01	4.21E+00	3.48E-01	7.44E+01	7.21E-01	8.73E-04	4.21E-01	6.80E-02	1.21E+00
5073	487863.09	3863877.25	6.07E-01	7.96E-04	3.31E-01	8.25E-02	1.02E+00	8.01E-01	7.64E+01	3.31E+00	4.21E-01	8.09E+01	7.78E-01	9.65E-04	3.31E-01	8.25E-02	1.19E+00
5074	488363.09	3863877.25	6.65E-01	6.47E-04	2.90E-01	4.91E-02	1.01E+00	8.79E-01	6.20E+01	2.90E+00	2.51E-01	6.60E+01	8.53E-01	7.83E-04	2.90E-01	4.91E-02	1.19E+00
5075	488863.09	3863877.25	6.73E-01	7.26E-04	1.61E-01	4.22E-02	8.77E-01	8.88E-01	6.97E+01	1.61E+00	2.16E-01	7.24E+01	8.62E-01	8.80E-04	1.61E-01	4.22E-02	1.07E+00
5076	489363.09	3863877.25	6.87E-01	8.96E-04	2.40E-01	4.86E-02	9.77E-01	9.07E-01	8.60E+01	2.40E+00	2.48E-01	8.95E+01	8.81E-01	1.09E-03	2.40E-01	4.86E-02	1.17E+00
5077	489863.09	3863877.25	7.21E-01	1.29E-03	1.48E-01	6.12E-02	9.31E-01	9.52E-01	1.24E+02	1.48E+00	3.12E-01	1.27E+02	9.24E-01	1.56E-03	1.48E-01	6.12E-02	1.13E+00
5078	490363.09	3863877.25	1.12E+00	1.46E-03	1.36E-01	7.00E-02	1.33E+00	1.48E+00	1.40E+02	1.36E+00	3.57E-01	1.43E+02	1.43E+00	1.77E-03	1.36E-01	7.00E-02	1.64E+00
5079	490863.09	3863877.25	1.19E+00	1.19E-03	1.87E-01	6.36E-02	1.44E+00	1.57E+00	1.14E+02	1.87E+00	3.25E-01	1.18E+02	1.53E+00	1.44E-03	1.87E-01	6.36E-02	1.78E+00
5080	491363.09	3863877.25	7.55E-01	1.12E-03	2.34E-01	8.01E-02	1.07E+00	9.98E-01	1.07E+02	2.34E+00	4.09E-01	1.11E+02	9.69E-01	1.35E-03	2.34E-01	8.01E-02	1.28E+00
5081	491863.09	3863877.25	8.27E-01	1.19E-03	2.78E-01	8.48E-02	1.19E+00	1.09E+00	1.15E+02	2.78E+00	4.33E-01	1.19E+02	1.06E+00	1.45E-03	2.78E-01	8.48E-02	1.43E+00
5082	492363.09	3863877.25	8.56E-01	1.46E-03	2.86E-01	9.58E-02	1.24E+00	1.13E+00	1.40E+02	2.86E+00	4.89E-01	1.44E+02	1.10E+00	1.77E-03	2.86E-01	9.58E-02	1.48E+00
5083	492863.09	3863877.25	8.09E-01	1.34E-03	2.81E-01	1.30E-01	1.22E+00	1.07E+00	1.29E+02	2.81E+00	6.62E-01	1.33E+02	1.04E+00	1.63E-03	2.81E-01	1.30E-01	1.45E+00
5084	493363.09	3863877.25	8.09E-01	1.27E-03	3.24E-01	1.04E-01	1.24E+00	1.07E+00	1.21E+02	3.24E+00	5.30E-01	1.26E+02	1.04E+00	1.53E-03	3.24E-01	1.04E-01	1.47E+00
5085	493863.09	3863877.25	7.64E-01	1.20E-03	2.36E-01	7.64E-02	1.08E+00	1.01E+00	1.15E+02	2.36E+00	3.90E-01	1.19E+02	9.79E-01	1.45E-03	2.36E-01	7.64E-02	1.29E+00
5086	494363.09	3863877.25	7.06E-01	1.03E-03	2.75E-01	8.20E-02	1.06E+00	9.32E-01	9.87E+01	2.75E+00	4.19E-01	1.03E+02	9.05E-01	1.25E-03	2.75E-01	8.20E-02	1.26E+00
5087	494863.09	3863877.25	7.03E-01	9.99E-04	3.79E-01	7.38E-02	1.16E+00	9.29E-01	9.58E+01	3.79E+00	3.77E-01	1.01E+02	9.02E-01	1.21E-03	3.79E-01	7.38E-02	1.36E+00
5088	495363.09	3863877.25	6.59E-01	9.35E-04	2.77E-01	7.39E-02	1.01E+00	8.70E-01	8.96E+01	2.77E+00	3.77E-01	9.36E+01	8.45E-01	1.13E-03	2.77E-01	7.39E-02	1.20E+00
5089	495863.09	3863877.25	6.41E-01	9.31E-04	2.11E-01	7.60E-02	9.29E-01	8.47E-01	8.93E+01	2.11E+00	3.88E-01	9.26E+01	8.22E-01	1.13E-03	2.11E-01	7.60E-02	1.11E+00
5090	496363.09	3863877.25	6.12E-01	8.21E-04	2.19E-01	7.69E-02	9.09E-01	8.09E-01	7.87E+01	2.19E+00	3.93E-01	8.21E+01	7.85E-01	9.95E-04	2.19E-01	7.69E-02	1.08E+00
5091	496863.09	3863877.25	5.33E-01	7.66E-04	1.83E-01	6.36E-02	7.81E-01	7.04E-01	7.35E+01	1.83E+00	3.25E-01	7.64E+01	6.83E-01	9.28E-04	1.83E-01	6.36E-02	9.31E-01
5092	497363.09	3863877.25	5.33E-01	7.02E-04	1.77E-01	5.88E-02	7.70E-01	7.04E-01	6.74E+01	1.77E+00	3.00E-01	7.01E+01	6.84E-01	8.51E-04	1.77E-01	5.88E-02	9.20E-01
5093	497863.09	3863877.25	5.03E-01	6.35E-04	2.33E-01	5.69E-02	7.94E-01	6.65E-01	6.09E+01	2.33E+00	2.91E-01	6.41E+01	6.45E-01	7.69E-04	2.33E-01	5.69E-02	9.36E-01
5094	498363.09	3863877.25	4.73E-01	5.69E-04	2.49E-01	5.33E-02	7.77E-01	6.25E-01	5.46E+01	2.49E+00	2.72E-01	5.80E+01	6.07E-01	6.90E-04	2.49E-01	5.33E-02	9.10E-01
5095	471363.09	3864377.25	2.62E-01	3.05E-04	2.46E-01	3.45E-02	5.43E-01	3.46E-01	2.92E+01	2.46E+00	1.76E-01	3.22E+01	3.36E-01	3.69E-04	2.46E-01	3.45E-02	6.17E-01
5096	471863.09	3864377.25	2.50E-01	2.91E-04	2.11E-01	3.34E-02	4.94E-01	3.30E-01	2.79E+01	2.11E+00	1.71E-01	3.05E+01	3.21E-01	3.52E-04	2.11E-01	3.34E-02	5.65E-01
5097	472363.09	3864377.25	2.50E-01	2.79E-04	1.66E-01	3.12E-02	4.48E-01	3.31E-01	2.68E+01	1.66E+00	1.59E-01	2.89E+01	3.21E-01	3.39E-04	1.66E-01	3.12E-02	5.18E-01
5098	472863.09	3864377.25	2.67E-01	2.70E-04	1.54E-01	2.81E-02	4.50E-01	3.53E-01	2.59E+01	1.54E+00	1.44E-01	2.80E+01	3.43E-01	3.28E-04	1.54E-01	2.81E-02	5.25E-01
5099	473363.09	3864377.25	2.64E-01	2.64E-04	1.58E-01	2.88E-02	4.52E-01	3.49E-01	2.53E+01	1.58E+00	1.47E-01	2.74E+01	3.39E-01	3.20E-04	1.58E-01	2.88E-02	5.26E-01
5100	473863.09	3864377.25	2.70E-01	2.53E-04	1.58E-01	3.67E-02	4.64E-01	3.56E-01	2.43E+01	1.58E+00	1.87E-01	2.64E+01	3.46E-01	3.07E-04	1.58E-01	3.67E-02	5.40E-01
5101	474363.09	3864377.25	2.79E-01	2.59E-04	1.98E-01	3.86E-02	5.15E-01	3.68E-01	2.49E+01	1.98E+00	1.97E-01	2.74E+01	3.57E-01	3.14E-04	1.98E-01	3.86E-02	5.94E-01
5102	474863.09	3864377.25	2.80E-01	2.65E-04	2.70E-01	3.48E-02	5.84E-01	3.70E-01	2.55E+01	2.70E+00	1.78E-01	2.87E+01	3.59E-01	3.22E-04	2.70E-01	3.48E-02	6.63E-01
5103	475363.09	3864377.25	2.75E-01	2.69E-04	3.24E-01	3.28E-02	6.32E-01	3.63E-01	2.58E+01	3.24E+00	1.67E-01	2.95E+01	3.53E-01	3.26E-04	3.24E-01	3.28E-02	7.10E-01
5104	475863.09	3864377.25	2.84E-01	2.69E-04	3.23E-01	3.34E-02	6.40E-01	3.75E-01	2.58E+01	3.23E+00	1.71E-01	2.95E+01	3.64E-01	3.25E-04	3.23E-01	3.34E-02	7.21E-01
5105	476363.09	3864377.25	3.15E-01	2.69E-04	2.72E-01	3.32E-02	6.21E-01	4.17E-01	2.58E+01	2.72E+00	1.69E-01	2.91E+01	4.04E-01	3.26E-04	2.72E-01	3.32E-02	7.10E-01
5106	476863.09	3864377.25	3.34E-01	2.75E-04	1.83E-01	3.39E-02	5.51E-01	4.41E-01	2.64E+01	1.83E+00	1.73E-01	2.89E+01	4.28E-01	3.34E-04	1.83E-01	3.39E-02	6.46E-01
5107	477363.09	3864377.25	3.40E-01	2.83E-04	1.64E-01	3.41E-02	5.39E-01	4.50E-01	2.72E+01	1.64E+00	1.74E-01	2.94E+01	4.36E-01	3.43E-04	1.64E-01	3.41E-02	6.35E-01
5108	477863.09	3864377.25	3.41E-01	2.94E-04	1.56E-01	3.36E-02	5.31E-01	4.50E-01	2.82E+01	1.56E+00	1.71E-01	3.04E+01	4.37E-01	3.57E-04	1.56E-01	3.36E-02	6.27E-01
5109	478363.09	3864377.25	3.27E-01	3.05E-04	1.87E-01	3.22E-02	5.47E-01	4.33E-01	2.93E+01	1.87E+00	1.64E-01	3.17E+01	4.20E-01	3.70E-04	1.87E-01	3.22E-02	6.39E-01
5110	478863.09	3864377.25	3.23E-01	3.11E-04	2.06E-01	3.41E-02	5.64E-01	4.27E-01	2.98E+01	2.06E+00	1.74E-01	3.25E+01	4.15E-01	3.77E-04	2.06E-01	3.41E-02	6.55E-01
5111	479363.09	3864377.25	3.35E-01	3.03E-04	2.05E-01	3.95E-02	5.80E-01	4.43E-01	2.91E+01	2.05E+00	2.02E-01	3.18E+01	4.30E-01	3.68E-04	2.05E-01	3.95E-02	6.74E-01
5112	479863.09	3864377.25	3.51E-01	2.90E-04	2.87E-01	3.73E-02	6.76E-01	4.64E-01	2.78E+01	2.87E+00	1.90E-01	3.13E+01	4.50E-01	3.51E-04	2.87E-01	3.73E-02	7.75E-01
5113	480363.09	3864377.25	3.57E-01	2.76E-04	3.19E-01	3.85E-02	7.14E-01	4.71E-01	2.64E+01	3.19E+00	1.97E-01	3.03E+01	4.57E-01	3.34E-04	3.19E-01	3.85E-02	8.15E-01
5114	480863.09	3864377.25	3.47E-01	2.95E-04	2.24E-01	3.36E-02	6.04E-01	4.58E-01	2.83E+01	2.24E+00	1.71E-01	3.11E+01	4.44E-01	3.57E-04	2.24E-01	3.36E-02	7.02E-01
5115	481363.09	3864377.25	3.51E-01	3.09E-04	1.91E-01	3.59E-02	5.78E-01	4.64E-01	2.96E+01	1.91E+00	1.83E-01	3.22E+01	4.50E-01	3.75E-04	1.91E-01	3.59E-02	6.77E-01
5116	481863.09	3864377.25	3.63E-01	3.27E-04	1.81E-01	3.67E-02	5.81E-01	4.80E-01	3.14E+01	1.81E+00	1.88E-01	3.39E+01	4.66E-01	3.96E-04	1.81E-01	3.67E-02	6.84E-01
5117	482363.09	3864377.25	3.63E-01	4.48E-04	1.90E-01	4.14E-02	5.95E-01	4.80E-01	4.30E+01	1.90E+00	2.12E-01	4.56E+01	4.66E-01	5.43E-04	1.90E-01	4.14E-02	6.98E-01
5118	482863.09	3864377.25	3.74E-01	5.17E-04	1.94E-01	5.13E-02	6.20E-01	4.94E-01	4.96E+01	1.94E+00	2.62E-01	5.23E+01	4.80E-01	6.27E-04	1.94E-01	5.13E-02	7.26E-01
5119	483363.09	3864377.25	3.82E-01	4.58E-04	1.74E-01	5.18E-02	6.08E-01	5.05E-01	4.39E+01	1.74E+00	2.64E-01	4.64E+01	4.90E-01	5.55E-04	1.74E-01	5.18E-02	7.16E-01
5120	483863.09	3864377.25	6.22E-01	4.17E-04	1.67E-01	4.19E-02	8.31E-01	8.21E-01	4.00E+01	1.67E+00	2.14E-01	4.27E+01	7.97E-01	5.06E-04	1.67E-01	4.19E-02	1.01E+00

5121	484363.09	3864377.25	7.19E-01	4.37E-04	3.15E-01	3.57E-02	1.07E+00	9.50E-01	4.19E+01	3.15E+00	1.82E-01	4.61E+01	9.22E-01	5.29E-04	3.15E-01	3.57E-02	1.27E+00
5122	484863.09	3864377.25	7.17E-01	4.98E-04	2.66E-01	3.29E-02	1.02E+00	9.47E-01	4.77E+01	2.66E+00	1.68E-01	5.15E+01	9.19E-01	6.03E-04	2.66E-01	3.29E-02	1.22E+00
5123	485363.09	3864377.25	7.06E-01	4.90E-04	2.70E-01	3.31E-02	1.01E+00	9.32E-01	4.70E+01	2.70E+00	1.69E-01	5.08E+01	9.05E-01	5.93E-04	2.70E-01	3.31E-02	1.21E+00
5124	485863.09	3864377.25	5.36E-01	5.81E-04	1.96E-01	4.35E-02	7.76E-01	7.08E-01	5.57E+01	1.96E+00	2.22E-01	5.86E+01	6.87E-01	7.04E-04	1.96E-01	4.35E-02	9.27E-01
5125	486363.09	3864377.25	4.84E-01	5.58E-04	1.83E-01	4.01E-02	7.08E-01	6.39E-01	5.35E+01	1.83E+00	2.05E-01	5.62E+01	6.21E-01	6.76E-04	1.83E-01	4.01E-02	8.45E-01
5126	486863.09	3864377.25	5.15E-01	5.84E-04	3.33E-01	5.11E-02	9.00E-01	6.81E-01	5.60E+01	3.33E+00	2.61E-01	6.03E+01	6.61E-01	7.07E-04	3.33E-01	5.11E-02	1.05E+00
5127	487363.09	3864377.25	5.24E-01	7.72E-04	3.98E-01	7.14E-02	9.94E-01	6.92E-01	7.40E+01	3.98E+00	3.65E-01	7.91E+01	6.72E-01	9.35E-04	3.98E-01	7.14E-02	1.14E+00
5128	487863.09	3864377.25	5.62E-01	7.42E-04	3.04E-01	7.74E-02	9.44E-01	7.42E-01	7.12E+01	3.04E+00	3.95E-01	7.53E+01	7.21E-01	8.99E-04	3.04E-01	7.74E-02	1.10E+00
5129	488363.09	3864377.25	5.87E-01	5.89E-04	2.85E-01	4.53E-02	9.17E-01	7.75E-01	5.65E+01	2.85E+00	2.32E-01	6.03E+01	7.52E-01	7.14E-04	2.85E-01	4.53E-02	1.08E+00
5130	488863.09	3864377.25	6.41E-01	6.49E-04	1.65E-01	3.95E-02	8.46E-01	8.46E-01	6.23E+01	1.65E+00	2.02E-01	6.50E+01	8.21E-01	7.86E-04	1.65E-01	3.95E-02	1.03E+00
5131	489363.09	3864377.25	6.44E-01	7.33E-04	2.25E-01	4.49E-02	9.14E-01	8.50E-01	7.03E+01	2.25E+00	2.29E-01	7.37E+01	8.25E-01	8.89E-04	2.25E-01	4.49E-02	1.10E+00
5132	489863.09	3864377.25	6.54E-01	9.81E-04	1.77E-01	5.39E-02	8.86E-01	8.64E-01	9.41E+01	1.77E+00	2.75E-01	9.70E+01	8.38E-01	1.19E-03	1.77E-01	5.39E-02	1.07E+00
5133	490363.09	3864377.25	7.88E-01	1.30E-03	1.13E-01	6.48E-02	9.67E-01	1.04E+00	1.25E+02	1.13E+00	3.31E-01	1.27E+02	1.01E+00	1.58E-03	1.13E-01	6.48E-02	1.19E+00
5134	490863.09	3864377.25	1.15E+00	1.30E-03	1.46E-01	6.53E-02	1.36E+00	1.52E+00	1.24E+02	1.46E+00	3.34E-01	1.28E+02	1.48E+00	1.57E-03	1.46E-01	6.53E-02	1.69E+00
5135	491363.09	3864377.25	1.04E+00	1.05E-03	2.19E-01	7.60E-02	1.34E+00	1.37E+00	1.01E+02	2.19E+00	3.88E-01	1.05E+02	1.33E+00	1.28E-03	2.19E-01	7.60E-02	1.63E+00
5136	491863.09	3864377.25	7.08E-01	2.53E-04	2.21E-01	1.30E-01	1.06E+00	9.35E-01	2.42E+01	2.21E+00	6.63E-01	2.80E+01	9.08E-01	3.06E-04	2.21E-01	1.30E-01	1.26E+00
5137	492363.09	3864377.25	1.08E+00	8.91E-04	2.78E-01	2.04E-01	1.56E+00	1.42E+00	8.54E+01	2.78E+00	1.04E+00	9.07E+01	1.38E+00	1.08E-03	2.78E-01	2.04E-01	1.86E+00
5138	492863.09	3864377.25	9.82E-01	4.52E-04	8.37E-01	1.62E-01	1.98E+00	1.30E+00	4.34E+01	8.37E+00	8.26E-01	5.38E+01	1.26E+00	5.48E-04	8.37E-01	1.62E-01	2.26E+00
5139	493363.09	3864377.25	1.06E+00	7.70E-04	9.92E-01	1.64E-01	2.22E+00	1.41E+00	7.39E+01	9.92E+00	8.39E-01	8.60E+01	1.36E+00	9.33E-04	9.92E-01	1.64E-01	2.52E+00
5140	493863.09	3864377.25	9.11E-01	1.11E-03	3.35E-01	1.23E-01	1.37E+00	1.20E+00	1.06E+02	3.35E+00	6.26E-01	1.11E+02	1.17E+00	1.34E-03	3.35E-01	1.23E-01	1.63E+00
5141	494363.09	3864377.25	7.05E-01	1.14E-03	2.22E-01	7.21E-02	1.00E+00	9.32E-01	1.09E+02	2.22E+00	3.68E-01	1.13E+02	9.04E-01	1.38E-03	2.22E-01	7.21E-02	1.20E+00
5142	494863.09	3864377.25	6.65E-01	1.05E-03	2.56E-01	7.62E-02	9.98E-01	8.78E-01	1.00E+02	2.56E+00	3.89E-01	1.04E+02	8.52E-01	1.27E-03	2.56E-01	7.62E-02	1.19E+00
5143	495363.09	3864377.25	6.35E-01	9.50E-04	3.65E-01	7.51E-02	1.08E+00	8.39E-01	9.11E+01	3.65E+00	3.84E-01	9.60E+01	8.14E-01	1.15E-03	3.65E-01	7.51E-02	1.26E+00
5144	495863.09	3864377.25	6.09E-01	9.09E-04	2.97E-01	6.55E-02	9.73E-01	8.05E-01	8.72E+01	2.97E+00	3.34E-01	9.13E+01	7.81E-01	1.10E-03	2.97E-01	6.55E-02	1.15E+00
5145	496363.09	3864377.25	5.64E-01	8.31E-04	1.79E-01	7.15E-02	8.15E-01	7.45E-01	7.97E+01	1.79E+00	3.65E-01	8.26E+01	7.23E-01	1.01E-03	1.79E-01	7.15E-02	9.74E-01
5146	496863.09	3864377.25	5.74E-01	8.44E-04	2.09E-01	8.01E-02	8.64E-01	7.58E-01	8.10E+01	2.09E+00	4.09E-01	8.42E+01	7.36E-01	1.02E-03	2.09E-01	8.01E-02	1.03E+00
5147	497363.09	3864377.25	5.30E-01	7.28E-04	1.93E-01	7.38E-02	7.98E-01	7.00E-01	6.98E+01	1.93E+00	3.77E-01	7.28E+01	6.79E-01	8.81E-04	1.93E-01	7.38E-02	9.47E-01
5148	497863.09	3864377.25	5.21E-01	7.08E-04	1.61E-01	7.12E-02	7.54E-01	6.88E-01	6.79E+01	1.61E+00	3.64E-01	7.05E+01	6.67E-01	8.57E-04	1.61E-01	7.12E-02	9.01E-01
5149	498363.09	3864377.25	4.87E-01	6.50E-04	1.91E-01	5.70E-02	7.35E-01	6.43E-01	6.24E+01	1.91E+00	2.91E-01	6.52E+01	6.24E-01	7.88E-04	1.91E-01	5.70E-02	8.73E-01
5150	471363.09	3864877.25	2.34E-01	2.65E-04	1.41E-01	2.61E-02	4.02E-01	3.10E-01	2.54E+01	1.41E+00	1.33E-01	2.73E+01	3.00E-01	3.21E-04	1.41E-01	2.61E-02	4.68E-01
5151	471863.09	3864877.25	2.57E-01	2.53E-04	1.46E-01	2.60E-02	4.30E-01	3.39E-01	2.43E+01	1.46E+00	1.33E-01	2.62E+01	3.29E-01	3.07E-04	1.46E-01	2.60E-02	5.02E-01
5152	472363.09	3864877.25	2.66E-01	2.37E-04	1.48E-01	2.75E-02	4.42E-01	3.52E-01	2.27E+01	1.48E+00	1.40E-01	2.47E+01	3.41E-01	2.87E-04	1.48E-01	2.75E-02	5.17E-01
5153	472863.09	3864877.25	2.66E-01	2.40E-04	1.46E-01	3.03E-02	4.43E-01	3.52E-01	2.30E+01	1.46E+00	1.55E-01	2.50E+01	3.41E-01	2.90E-04	1.46E-01	3.03E-02	5.18E-01
5154	473363.09	3864877.25	2.62E-01	2.47E-04	2.01E-01	3.73E-02	5.00E-01	3.46E-01	2.36E+01	2.01E+00	1.90E-01	2.62E+01	3.36E-01	2.99E-04	2.01E-01	3.73E-02	5.74E-01
5155	473863.09	3864877.25	2.67E-01	2.50E-04	2.59E-01	3.84E-02	5.65E-01	3.53E-01	2.40E+01	2.59E+00	1.96E-01	2.71E+01	3.43E-01	3.03E-04	2.59E-01	3.84E-02	6.40E-01
5156	474363.09	3864877.25	2.66E-01	2.51E-04	3.03E-01	3.49E-02	6.04E-01	3.52E-01	2.41E+01	3.03E+00	1.78E-01	2.77E+01	3.41E-01	3.04E-04	3.03E-01	3.49E-02	6.79E-01
5157	474863.09	3864877.25	2.67E-01	2.50E-04	3.03E-01	3.39E-02	6.04E-01	3.53E-01	2.40E+01	3.03E+00	1.73E-01	2.75E+01	3.42E-01	3.03E-04	3.03E-01	3.39E-02	6.80E-01
5158	475363.09	3864877.25	2.73E-01	2.51E-04	2.58E-01	3.20E-02	5.63E-01	3.60E-01	2.41E+01	2.58E+00	1.63E-01	2.72E+01	3.50E-01	3.04E-04	2.58E-01	3.20E-02	6.40E-01
5159	475863.09	3864877.25	3.01E-01	2.61E-04	1.79E-01	3.24E-02	5.13E-01	3.98E-01	2.50E+01	1.79E+00	1.66E-01	2.74E+01	3.86E-01	3.16E-04	1.79E-01	3.24E-02	5.98E-01
5160	476363.09	3864877.25	3.19E-01	2.68E-04	1.53E-01	3.23E-02	5.04E-01	4.21E-01	2.57E+01	1.53E+00	1.65E-01	2.79E+01	4.08E-01	3.25E-04	1.53E-01	3.23E-02	5.94E-01
5161	476863.09	3864877.25	3.27E-01	2.76E-04	1.51E-01	3.14E-02	5.09E-01	4.31E-01	2.65E+01	1.51E+00	1.60E-01	2.86E+01	4.19E-01	3.34E-04	1.51E-01	3.14E-02	6.01E-01
5162	477363.09	3864877.25	3.25E-01	2.84E-04	1.62E-01	3.00E-02	5.17E-01	4.29E-01	2.72E+01	1.62E+00	1.53E-01	2.94E+01	4.16E-01	3.44E-04	1.62E-01	3.00E-02	6.09E-01
5163	477863.09	3864877.25	3.09E-01	2.83E-04	1.85E-01	3.66E-02	5.31E-01	4.08E-01	2.72E+01	1.85E+00	1.87E-01	2.96E+01	3.96E-01	3.43E-04	1.85E-01	3.66E-02	6.18E-01
5164	478363.09	3864877.25	3.08E-01	2.80E-04	1.95E-01	4.10E-02	5.44E-01	4.07E-01	2.68E+01	1.95E+00	2.10E-01	2.94E+01	3.95E-01	3.39E-04	1.95E-01	4.10E-02	6.31E-01
5165	478863.09	3864877.25	3.17E-01	2.66E-04	2.06E-01	3.95E-02	5.63E-01	4.19E-01	2.55E+01	2.06E+00	2.02E-01	2.82E+01	4.06E-01	3.22E-04	2.06E-01	3.95E-02	6.53E-01
5166	479363.09	3864877.25	3.33E-01	2.49E-04	2.85E-01	3.65E-02	6.54E-01	4.39E-01	2.39E+01	2.85E+00	1.86E-01	2.74E+01	4.26E-01	3.02E-04	2.85E-01	3.65E-02	7.48E-01
5167	479863.09	3864877.25	3.39E-01	2.66E-04	2.84E-01	3.40E-02	6.58E-01	4.48E-01	2.55E+01	2.84E+00	1.74E-01	2.90E+01	4.35E-01	3.23E-04	2.84E-01	3.40E-02	7.53E-01
5168	480363.09	3864877.25	3.36E-01	2.74E-04	1.98E-01	3.52E-02	5.69E-01	4.43E-01	2.63E+01	1.98E+00	1.80E-01	2.89E+01	4.30E-01	3.32E-04	1.98E-01	3.52E-02	6.63E-01
5169	480863.09	3864877.25	3.30E-01	2.94E-04	1.76E-01	3.53E-02	5.41E-01	4.35E-01	2.82E+01	1.76E+00	1.80E-01	3.06E+01	4.23E-01	3.56E-04	1.76E-01	3.53E-02	6.34E-01
5170	481363.09	3864877.25	3.43E-01	2.97E-04	1.65E-01	3.44E-02	5.43E-01	4.53E-01	2.85E+01	1.65E+00	1.76E-01	3.08E+01	4.40E-01	3.60E-04	1.65E-01	3.44E-02	6.40E-01
5171	481863.09	3864877.25	3.48E-01	3.14E-04	1.74E-01	3.92E-02	5.62E-01	4.60E-01	3.01E+01	1.74E+00	2.00E-01	3.25E+01	4.46E-01	3.80E-04	1.74E-01	3.92E-02	6.60E-01
5172	482363.09	3864877.25	3.43E-01	4.43E-04	1.84E-01	4.15E-02	5.69E-01	4.53E-01	4.24E+01	1.84E+00	2.12E-01	4.50E+01	4.40E-01	5.36E-04	1.84E-01	4.15E-02	6.66E-01
5173	482863.09	3864877.25	3.61E-01	4.98E-04	1.74E-01	4.97E-02	5.85E-01	4.77E-01	4.78E+01	1.74E+00	2.54E-01	5.02E+01	4.63E-01	6.03E-04	1.74E-01	4.97E-02	6.87E-01
5174	483363.09	3864877.25	3.66E-01	4.31E-04	1.29E-01	4.90E-02	5.45E-01	4.83E-01	4.13E+01	1.29E+00	2.50E-01	4.34E+01	4.69E-01	5.22E-04	1.29E-01	4.90E-02	6.48E-01
5175	483863.09	3864877.25	6.32E-01	3.93E-04	2.67E-01	3.91E-02	9.39E-01	8.35E-01	3.77E+01	2.67E+00	2.00E-01	4.14E+01	8.10E-01	4.76E-04	2.67E-01	3.91E-02	1.12E+00
5176	484363.09	3864877.25	7.10E-01	4.27E-04	2.82E-01	3.52E-02	1.03E+00	9.38E-01	4.10E+01	2.82E+00	1.80E-01	4.49E+01	9.11E-01	5.17E-04	2.82E-01	3.52E-02	1.23E+00
5177	484863.09	3864877.25	7.11E-01	4.33E-04	3.13E-01	2.91E-02	1.05E+00	9.39E-01	4.15E+01	3.13E+00	1.49E-01	4.58E+01	9.11E-01	5.25E-04	3.13E-01	2.91E-02	1.25E+00
5178	485363.09	3864877.25	6.97E-01	4.79E-04	1.78E-01	4.33E-02	9.19E-01	9.20E-01	4.60E+01	1.78E+00	2.21E-01	4.89E+01	8.93E-01	5.81E-04	1.78E-01	4.33E-02	1.12E+00
5179	485863.09	3864877.25	4.79E-01	5.82E-04	2.30E-01	4.08E-02	7.50E-01	6.32E-01	5.58E+01	2.30E+00	2.09E-01	5.90E+01	6.14E-01	7.05E-04	2.30E-01	4.08E-02	8.85E-01
5180	486363.09	3864877.25	4.55E-01	5.22E-04	2.04E-01	4.12E-02	7.01E-01	6.01E-01	5.01E+01	2.04E+00	2.11E-01	5.29E+01	5.83E-01	6.33E-04	2.04E-01	4.12E-02	8.29E-01
5181	486863.09	3864877.25	4.93E-01	5.31E-04	3.34E-01	5.44E-02	8.82E-01	6.52E-01	5.09E+01	3.34E+00	2.78E-01	5.52E+01	6.32E-01	6.43E-04	3.34E-01	5.44E-02	1.02E+00

5182	487363.09	3864877.25	5.02E-01	7.95E-04	3.73E-01	7.21E-02	9.47E-01	6.62E-01	7.62E+01	3.73E+00	3.68E-01	8.10E+01	6.43E-01	9.63E-04	3.73E-01	7.21E-02	1.09E+00
5183	487863.09	3864877.25	5.22E-01	6.77E-04	2.79E-01	7.18E-02	8.73E-01	6.89E-01	6.49E+01	2.79E+00	3.67E-01	6.87E+01	6.69E-01	8.20E-04	2.79E-01	7.18E-02	1.02E+00
5184	488363.09	3864877.25	5.51E-01	5.41E-04	2.87E-01	4.74E-02	8.86E-01	7.28E-01	5.19E+01	2.87E+00	2.42E-01	5.57E+01	7.07E-01	6.55E-04	2.87E-01	4.74E-02	1.04E+00
5185	488863.09	3864877.25	6.16E-01	5.54E-04	1.77E-01	3.59E-02	8.30E-01	8.14E-01	5.31E+01	1.77E+00	1.83E-01	5.59E+01	7.90E-01	6.71E-04	1.77E-01	3.59E-02	1.00E+00
5186	489363.09	3864877.25	5.95E-01	6.47E-04	2.03E-01	4.49E-02	8.43E-01	7.86E-01	6.20E+01	2.03E+00	2.29E-01	6.51E+01	7.62E-01	7.84E-04	2.03E-01	4.49E-02	1.01E+00
5187	489863.09	3864877.25	6.21E-01	7.72E-04	2.11E-01	4.84E-02	8.81E-01	8.20E-01	7.40E+01	2.11E+00	2.47E-01	7.72E+01	7.96E-01	9.35E-04	2.11E-01	4.84E-02	1.06E+00
5188	490363.09	3864877.25	6.43E-01	1.05E-03	1.31E-01	5.83E-02	8.34E-01	8.50E-01	1.01E+02	1.31E+00	2.98E-01	1.04E+02	8.25E-01	1.28E-03	1.31E-01	5.83E-02	1.02E+00
5189	490863.09	3864877.25	9.69E-01	1.22E-03	1.40E-01	6.55E-02	1.18E+00	1.28E+00	1.17E+02	1.40E+00	3.34E-01	1.20E+02	1.24E+00	1.48E-03	1.40E-01	6.55E-02	1.45E+00
5190	491363.09	3864877.25	1.13E+00	1.12E-03	1.78E-01	6.30E-02	1.37E+00	1.49E+00	1.08E+02	1.78E+00	3.22E-01	1.11E+02	1.45E+00	1.36E-03	1.78E-01	6.30E-02	1.69E+00
5191	491863.09	3864877.25	8.29E-01	8.74E-04	2.22E-01	9.17E-02	1.14E+00	1.09E+00	8.38E+01	2.22E+00	4.68E-01	8.76E+01	1.06E+00	1.06E-03	2.22E-01	9.17E-02	1.38E+00
5192	492363.09	3864877.25	3.69E-01	2.45E-04	1.95E-01	6.94E-02	6.34E-01	4.87E-01	2.35E+01	1.95E+00	3.54E-01	2.63E+01	4.73E-01	2.96E-04	1.95E-01	6.94E-02	7.38E-01
5193	492863.09	3864877.25	6.82E-01	3.39E-04	2.21E-01	7.85E-02	9.82E-01	9.01E-01	3.25E+01	2.21E+00	4.01E-01	3.60E+01	8.75E-01	4.11E-04	2.21E-01	7.85E-02	1.17E+00
5194	493363.09	3864877.25	6.05E-01	3.71E-04	4.03E-01	9.43E-02	1.10E+00	7.99E-01	3.56E+01	4.03E+00	4.82E-01	4.09E+01	7.75E-01	4.50E-04	4.03E-01	9.43E-02	1.27E+00
5195	493863.09	3864877.25	9.89E-01	7.81E-04	7.22E-01	1.50E-01	1.86E+00	1.31E+00	7.49E+01	7.22E+00	7.65E-01	8.42E+01	1.27E+00	9.46E-04	7.22E-01	1.50E-01	2.14E+00
5196	494363.09	3864877.25	7.63E-01	1.11E-03	2.97E-01	1.22E-01	1.18E+00	1.01E+00	1.06E+02	2.97E+00	6.23E-01	1.11E+02	9.78E-01	1.34E-03	2.97E-01	1.22E-01	1.40E+00
5197	494863.09	3864877.25	6.53E-01	1.06E-03	2.11E-01	7.07E-02	9.35E-01	8.62E-01	1.02E+02	2.11E+00	3.61E-01	1.05E+02	8.37E-01	1.28E-03	2.11E-01	7.07E-02	1.12E+00
5198	495363.09	3864877.25	6.25E-01	1.02E-03	2.40E-01	6.86E-02	9.34E-01	8.25E-01	9.77E+01	2.40E+00	3.51E-01	1.01E+02	8.01E-01	1.23E-03	2.40E-01	6.86E-02	1.11E+00
5199	495863.09	3864877.25	5.66E-01	8.71E-04	3.66E-01	7.44E-02	1.01E+00	7.48E-01	8.35E+01	3.66E+00	3.80E-01	8.83E+01	7.26E-01	1.05E-03	3.66E-01	7.44E-02	1.17E+00
5200	496363.09	3864877.25	5.84E-01	8.74E-04	3.09E-01	6.52E-02	9.59E-01	7.72E-01	8.39E+01	3.09E+00	3.33E-01	8.81E+01	7.49E-01	1.06E-03	3.09E-01	6.52E-02	1.12E+00
5201	496863.09	3864877.25	5.25E-01	8.28E-04	1.77E-01	6.45E-02	7.67E-01	6.93E-01	7.94E+01	1.77E+00	3.30E-01	8.22E+01	6.73E-01	1.00E-03	1.77E-01	6.45E-02	9.15E-01
5202	497363.09	3864877.25	5.47E-01	7.91E-04	1.89E-01	7.49E-02	8.12E-01	7.23E-01	7.59E+01	1.89E+00	3.83E-01	7.89E+01	7.02E-01	9.59E-04	1.89E-01	7.49E-02	9.67E-01
5203	497863.09	3864877.25	5.22E-01	7.86E-04	2.00E-01	8.37E-02	8.06E-01	6.89E-01	7.53E+01	2.00E+00	4.28E-01	7.85E+01	6.69E-01	9.52E-04	2.00E-01	8.37E-02	9.54E-01
5204	498363.09	3864877.25	4.65E-01	6.68E-04	1.68E-01	7.78E-02	7.11E-01	6.14E-01	6.41E+01	1.68E+00	3.97E-01	6.68E+01	5.96E-01	8.10E-04	1.68E-01	7.78E-02	8.43E-01
5205	471363.09	3865377.25	2.57E-01	2.23E-04	1.40E-01	3.05E-02	4.28E-01	3.40E-01	2.13E+01	1.40E+00	1.56E-01	2.32E+01	3.30E-01	2.70E-04	1.40E-01	3.05E-02	5.00E-01
5206	471863.09	3865377.25	2.63E-01	2.30E-04	1.37E-01	3.23E-02	4.33E-01	3.48E-01	2.20E+01	1.37E+00	1.65E-01	2.39E+01	3.38E-01	2.78E-04	1.37E-01	3.23E-02	5.07E-01
5207	472363.09	3865377.25	2.63E-01	2.34E-04	1.99E-01	3.40E-02	4.95E-01	3.47E-01	2.25E+01	1.99E+00	1.74E-01	2.50E+01	3.37E-01	2.84E-04	1.99E-01	3.40E-02	5.70E-01
5208	472863.09	3865377.25	2.64E-01	2.37E-04	2.57E-01	3.66E-02	5.58E-01	3.48E-01	2.27E+01	2.57E+00	1.87E-01	2.58E+01	3.38E-01	2.87E-04	2.57E-01	3.66E-02	6.32E-01
5209	473363.09	3865377.25	2.56E-01	2.36E-04	2.91E-01	3.70E-02	5.85E-01	3.38E-01	2.26E+01	2.91E+00	1.89E-01	2.60E+01	3.29E-01	2.86E-04	2.91E-01	3.70E-02	6.57E-01
5210	473863.09	3865377.25	2.63E-01	2.32E-04	2.87E-01	3.31E-02	5.84E-01	3.48E-01	2.23E+01	2.87E+00	1.69E-01	2.57E+01	3.37E-01	2.82E-04	2.87E-01	3.31E-02	6.58E-01
5211	474363.09	3865377.25	2.63E-01	2.35E-04	2.49E-01	3.07E-02	5.43E-01	3.47E-01	2.25E+01	2.49E+00	1.57E-01	2.55E+01	3.37E-01	2.84E-04	2.49E-01	3.07E-02	6.17E-01
5212	474863.09	3865377.25	2.63E-01	2.46E-04	1.87E-01	3.08E-02	4.81E-01	3.48E-01	2.36E+01	1.87E+00	1.58E-01	2.60E+01	3.37E-01	2.98E-04	1.87E-01	3.08E-02	5.56E-01
5213	475363.09	3865377.25	2.88E-01	2.53E-04	1.42E-01	3.06E-02	4.62E-01	3.81E-01	2.42E+01	1.42E+00	1.56E-01	2.62E+01	3.70E-01	3.06E-04	1.42E-01	3.06E-02	5.43E-01
5214	475863.09	3865377.25	3.06E-01	2.59E-04	1.42E-01	2.96E-02	4.77E-01	4.04E-01	2.48E+01	1.42E+00	1.51E-01	2.68E+01	3.92E-01	3.13E-04	1.42E-01	2.96E-02	5.63E-01
5215	476363.09	3865377.25	3.16E-01	2.68E-04	1.42E-01	2.86E-02	4.87E-01	4.17E-01	2.57E+01	1.42E+00	1.46E-01	2.77E+01	4.05E-01	3.25E-04	1.42E-01	2.86E-02	5.76E-01
5216	476863.09	3865377.25	3.20E-01	2.50E-04	1.91E-01	3.72E-02	5.49E-01	4.23E-01	2.39E+01	1.91E+00	1.90E-01	2.65E+01	4.11E-01	3.02E-04	1.91E-01	3.72E-02	6.39E-01
5217	477363.09	3865377.25	2.97E-01	2.68E-04	1.85E-01	3.81E-02	5.20E-01	3.92E-01	2.57E+01	1.85E+00	1.95E-01	2.82E+01	3.80E-01	3.25E-04	1.85E-01	3.81E-02	6.04E-01
5218	477863.09	3865377.25	2.95E-01	2.46E-04	1.84E-01	4.00E-02	5.19E-01	3.90E-01	2.36E+01	1.84E+00	2.04E-01	2.60E+01	3.79E-01	2.98E-04	1.84E-01	4.00E-02	6.03E-01
5219	478363.09	3865377.25	3.03E-01	2.33E-04	2.27E-01	3.29E-02	5.63E-01	4.01E-01	2.24E+01	2.27E+00	1.68E-01	2.52E+01	3.89E-01	2.83E-04	2.27E-01	3.29E-02	6.49E-01
5220	478863.09	3865377.25	3.15E-01	2.43E-04	2.81E-01	3.62E-02	6.32E-01	4.16E-01	2.33E+01	2.81E+00	1.85E-01	2.67E+01	4.04E-01	2.94E-04	2.81E-01	3.62E-02	7.21E-01
5221	479363.09	3865377.25	3.24E-01	2.53E-04	2.59E-01	3.26E-02	6.16E-01	4.28E-01	2.43E+01	2.59E+00	1.67E-01	2.74E+01	4.16E-01	3.06E-04	2.59E-01	3.26E-02	7.08E-01
5222	479863.09	3865377.25	3.24E-01	2.62E-04	1.83E-01	3.52E-02	5.42E-01	4.28E-01	2.52E+01	1.83E+00	1.80E-01	2.76E+01	4.15E-01	3.18E-04	1.83E-01	3.52E-02	6.33E-01
5223	480363.09	3865377.25	3.12E-01	2.76E-04	1.63E-01	3.38E-02	5.10E-01	4.12E-01	2.65E+01	1.63E+00	1.73E-01	2.87E+01	4.00E-01	3.34E-04	1.63E-01	3.38E-02	5.98E-01
5224	480863.09	3865377.25	3.21E-01	2.67E-04	1.52E-01	3.16E-02	5.05E-01	4.24E-01	2.56E+01	1.52E+00	1.62E-01	2.77E+01	4.11E-01	3.23E-04	1.52E-01	3.16E-02	5.95E-01
5225	481363.09	3865377.25	3.33E-01	2.93E-04	1.61E-01	3.97E-02	5.34E-01	4.40E-01	2.81E+01	1.61E+00	2.03E-01	3.04E+01	4.27E-01	3.56E-04	1.61E-01	3.97E-02	6.28E-01
5226	481863.09	3865377.25	3.29E-01	3.29E-04	1.73E-01	3.68E-02	5.39E-01	4.35E-01	3.15E+01	1.73E+00	1.88E-01	3.39E+01	4.22E-01	3.98E-04	1.73E-01	3.68E-02	6.32E-01
5227	482363.09	3865377.25	3.36E-01	4.40E-04	1.68E-01	4.15E-02	5.46E-01	4.44E-01	4.22E+01	1.68E+00	2.12E-01	4.45E+01	4.31E-01	5.33E-04	1.68E-01	4.15E-02	6.41E-01
5228	482863.09	3865377.25	3.48E-01	4.79E-04	1.35E-01	4.80E-02	5.32E-01	4.60E-01	4.59E+01	1.35E+00	2.45E-01	4.80E+01	4.47E-01	5.80E-04	1.35E-01	4.80E-02	6.31E-01
5229	483363.09	3865377.25	3.52E-01	4.04E-04	2.00E-01	4.62E-02	5.98E-01	4.65E-01	3.87E+01	2.00E+00	2.36E-01	4.14E+01	4.51E-01	4.89E-04	2.00E-01	4.62E-02	6.97E-01
5230	483863.09	3865377.25	6.41E-01	3.81E-04	3.02E-01	3.68E-02	9.80E-01	8.47E-01	3.65E+01	3.02E+00	1.88E-01	4.06E+01	8.22E-01	4.62E-04	3.02E-01	3.68E-02	1.16E+00
5231	484363.09	3865377.25	7.05E-01	4.15E-04	2.54E-01	3.49E-02	9.94E-01	9.31E-01	3.98E+01	2.54E+00	1.78E-01	4.34E+01	9.03E-01	5.02E-04	2.54E-01	3.49E-02	1.19E+00
5232	484863.09	3865377.25	7.07E-01	4.11E-04	2.81E-01	3.61E-02	1.02E+00	9.34E-01	3.94E+01	2.81E+00	1.84E-01	4.33E+01	9.06E-01	4.97E-04	2.81E-01	3.61E-02	1.22E+00
5233	485363.09	3865377.25	6.80E-01	4.40E-04	1.72E-01	3.92E-02	8.91E-01	8.98E-01	4.22E+01	1.72E+00	2.00E-01	4.50E+01	8.71E-01	5.33E-04	1.72E-01	3.92E-02	1.08E+00
5234	485863.09	3865377.25	4.22E-01	5.80E-04	2.20E-01	4.29E-02	6.85E-01	5.57E-01	5.56E+01	2.20E+00	2.19E-01	5.86E+01	5.41E-01	7.02E-04	2.20E-01	4.29E-02	8.04E-01
5235	486363.09	3865377.25	4.28E-01	4.93E-04	2.21E-01	4.29E-02	6.92E-01	5.65E-01	4.73E+01	2.21E+00	2.19E-01	5.03E+01	5.49E-01	5.98E-04	2.21E-01	4.29E-02	8.13E-01
5236	486863.09	3865377.25	4.73E-01	4.81E-04	3.30E-01	5.72E-02	8.61E-01	6.25E-01	4.61E+01	3.30E+00	2.92E-01	5.03E+01	6.07E-01	5.83E-04	3.30E-01	5.72E-02	9.95E-01
5237	487363.09	3865377.25	4.82E-01	8.08E-04	3.50E-01	7.16E-02	9.04E-01	6.36E-01	7.75E+01	3.50E+00	3.66E-01	8.20E+01	6.17E-01	9.79E-04	3.50E-01	7.16E-02	1.04E+00
5238	487863.09	3865377.25	5.01E-01	6.16E-04	2.58E-01	6.67E-02	8.26E-01	6.62E-01	5.90E+01	2.58E+00	3.41E-01	6.26E+01	6.42E-01	7.46E-04	2.58E-01	6.67E-02	9.67E-01
5239	488363.09	3865377.25	5.32E-01	4.99E-04	2.87E-01	4.86E-02	8.69E-01	7.03E-01	4.79E+01	2.87E+00	2.48E-01	5.17E+01	6.82E-01	6.05E-04	2.87E-01	4.86E-02	1.02E+00
5240	488863.09	3865377.25	5.70E-01	5.22E-04	1.86E-01	3.84E-02	7.95E-01	7.53E-01	5.01E+01	1.86E+00	1.96E-01	5.29E+01	7.31E-01	6.33E-04	1.86E-01	3.84E-02	9.56E-01
5241	489363.09	3865377.25	5.75E-01	5.57E-04	1.80E-01	4.37E-02	7.99E-01	7.59E-01	5.34E+01	1.80E+00	2.23E-01	5.62E+01	7.37E-01	6.74E-04	1.80E-01	4.37E-02	9.61E-01
5242	489863.09	3865377.25	5.74E-01	6.58E-04	2.24E-01	4.50E-02	8.44E-01	7.58E-01	6.31E+01	2.24E+00	2.30E-01	6.63E+01	7.36E-01	7.97E-04	2.24E-01	4.50E-02	1.01E+00

5243	490363.09	3865377.25	6.16E-01	7.28E-04	1.73E-01	5.31E-02	8.43E-01	8.14E-01	6.98E+01	1.73E+00	2.71E-01	7.26E+01	7.90E-01	8.82E-04	1.73E-01	5.31E-02	1.02E+00
5244	490863.09	3865377.25	6.62E-01	1.04E-03	1.07E-01	6.10E-02	8.30E-01	8.74E-01	1.00E+02	1.07E+00	3.12E-01	1.02E+02	8.48E-01	1.27E-03	1.07E-01	6.10E-02	1.02E+00
5245	491363.09	3865377.25	1.03E+00	1.01E-03	1.42E-01	6.14E-02	1.23E+00	1.36E+00	9.71E+01	1.42E+00	3.14E-01	1.00E+02	1.32E+00	1.23E-03	1.42E-01	6.14E-02	1.52E+00
5246	491863.09	3865377.25	1.01E+00	7.52E-04	1.93E-01	7.71E-02	1.28E+00	1.34E+00	7.21E+01	1.93E+00	3.94E-01	7.58E+01	1.30E+00	9.11E-04	1.93E-01	7.71E-02	1.57E+00
5247	492363.09	3865377.25	8.20E-01	4.62E-04	2.10E-01	3.99E-01	1.43E+00	1.08E+00	4.43E+01	2.10E+00	2.04E+00	4.95E+01	1.05E+00	5.59E-04	2.10E-01	3.99E-01	1.66E+00
5248	492863.09	3865377.25	8.05E-01	2.81E-04	2.49E-01	1.20E-01	1.17E+00	1.06E+00	2.69E+01	2.49E+00	6.15E-01	3.11E+01	1.03E+00	3.40E-04	2.49E-01	1.20E-01	1.40E+00
5249	493363.09	3865377.25	5.91E-01	3.29E-04	2.07E-01	7.57E-02	8.74E-01	7.80E-01	3.15E+01	2.07E+00	3.87E-01	3.47E+01	7.57E-01	3.98E-04	2.07E-01	7.57E-02	1.04E+00
5250	493863.09	3865377.25	9.21E-01	5.74E-04	1.27E+00	1.49E-01	2.34E+00	1.22E+00	5.51E+01	1.27E+01	7.60E-01	6.98E+01	1.18E+00	6.96E-04	1.27E+00	1.49E-01	2.60E+00
5251	494363.09	3865377.25	9.09E-01	7.55E-04	3.90E-01	1.29E-01	1.43E+00	1.20E+00	7.24E+01	3.90E+00	6.57E-01	7.81E+01	1.17E+00	9.14E-04	3.90E-01	1.29E-01	1.69E+00
5252	494863.09	3865377.25	7.46E-01	1.01E-03	2.76E-01	1.25E-01	1.15E+00	9.85E-01	9.65E+01	2.76E+00	6.40E-01	1.01E+02	9.56E-01	1.22E-03	2.76E-01	1.25E-01	1.36E+00
5253	495363.09	3865377.25	6.06E-01	9.33E-04	2.01E-01	8.07E-02	8.88E-01	8.01E-01	8.95E+01	2.01E+00	4.12E-01	9.27E+01	7.77E-01	1.13E-03	2.01E-01	8.07E-02	1.06E+00
5254	495863.09	3865377.25	5.87E-01	9.77E-04	2.25E-01	6.39E-02	8.77E-01	7.75E-01	9.37E+01	2.25E+00	3.27E-01	9.71E+01	7.53E-01	1.18E-03	2.25E-01	6.39E-02	1.04E+00
5255	496363.09	3865377.25	5.10E-01	8.80E-04	3.25E-01	6.90E-02	9.05E-01	6.73E-01	8.44E+01	3.25E+00	3.52E-01	8.86E+01	6.54E-01	1.07E-03	3.25E-01	6.90E-02	1.05E+00
5256	496863.09	3865377.25	5.57E-01	8.32E-04	3.03E-01	7.82E-02	9.39E-01	7.36E-01	7.98E+01	3.03E+00	3.99E-01	8.40E+01	7.14E-01	1.01E-03	3.03E-01	7.82E-02	1.10E+00
5257	497363.09	3865377.25	5.08E-01	8.12E-04	1.96E-01	6.15E-02	7.66E-01	6.71E-01	7.79E+01	1.96E+00	3.14E-01	8.09E+01	6.51E-01	9.84E-04	1.96E-01	6.15E-02	9.09E-01
5258	497863.09	3865377.25	5.08E-01	7.51E-04	1.66E-01	6.57E-02	7.40E-01	6.71E-01	7.20E+01	1.66E+00	3.36E-01	7.47E+01	6.51E-01	9.10E-04	1.66E-01	6.57E-02	8.84E-01
5259	498363.09	3865377.25	4.92E-01	7.65E-04	1.92E-01	7.78E-02	7.63E-01	6.51E-01	7.33E+01	1.92E+00	3.97E-01	7.63E+01	6.31E-01	9.26E-04	1.92E-01	7.78E-02	9.02E-01
5260	471363.09	3865877.25	2.62E-01	2.23E-04	1.98E-01	3.53E-02	4.95E-01	3.46E-01	2.14E+01	1.98E+00	1.80E-01	2.39E+01	3.35E-01	2.70E-04	1.98E-01	3.53E-02	5.69E-01
5261	471863.09	3865877.25	2.59E-01	2.23E-04	2.51E-01	3.52E-02	5.46E-01	3.42E-01	2.14E+01	2.51E+00	1.80E-01	2.45E+01	3.32E-01	2.71E-04	2.51E-01	3.52E-02	6.19E-01
5262	472363.09	3865877.25	2.64E-01	2.22E-04	2.89E-01	3.60E-02	5.89E-01	3.49E-01	2.13E+01	2.89E+00	1.84E-01	2.47E+01	3.39E-01	2.69E-04	2.89E-01	3.60E-02	6.64E-01
5263	472863.09	3865877.25	2.54E-01	2.17E-04	2.84E-01	3.55E-02	5.74E-01	3.36E-01	2.08E+01	2.84E+00	1.81E-01	2.42E+01	3.26E-01	2.63E-04	2.84E-01	3.55E-02	6.46E-01
5264	473363.09	3865877.25	2.61E-01	2.18E-04	2.44E-01	2.95E-02	5.34E-01	3.44E-01	2.09E+01	2.44E+00	1.51E-01	2.38E+01	3.34E-01	2.64E-04	2.44E-01	2.95E-02	6.07E-01
5265	473863.09	3865877.25	2.61E-01	2.30E-04	1.88E-01	2.94E-02	4.79E-01	3.45E-01	2.21E+01	1.88E+00	1.50E-01	2.45E+01	3.35E-01	2.79E-04	1.88E-01	2.94E-02	5.52E-01
5266	474363.09	3865877.25	2.59E-01	2.39E-04	1.34E-01	2.90E-02	4.22E-01	3.42E-01	2.29E+01	1.34E+00	1.48E-01	2.47E+01	3.32E-01	2.89E-04	1.34E-01	2.90E-02	4.95E-01
5267	474863.09	3865877.25	2.78E-01	2.44E-04	1.36E-01	3.06E-02	4.45E-01	3.68E-01	2.34E+01	1.36E+00	1.56E-01	2.53E+01	3.57E-01	2.96E-04	1.36E-01	3.06E-02	5.23E-01
5268	475363.09	3865877.25	2.94E-01	2.48E-04	1.29E-01	3.49E-02	4.59E-01	3.89E-01	2.37E+01	1.29E+00	1.78E-01	2.56E+01	3.78E-01	3.00E-04	1.29E-01	3.49E-02	5.42E-01
5269	475863.09	3865877.25	3.00E-01	2.48E-04	1.45E-01	3.90E-02	4.85E-01	3.97E-01	2.38E+01	1.45E+00	1.99E-01	2.58E+01	3.85E-01	3.00E-04	1.45E-01	3.90E-02	5.69E-01
5270	476363.09	3865877.25	3.02E-01	2.49E-04	1.67E-01	3.82E-02	5.08E-01	4.00E-01	2.38E+01	1.67E+00	1.95E-01	2.61E+01	3.88E-01	3.01E-04	1.67E-01	3.82E-02	5.94E-01
5271	476863.09	3865877.25	2.97E-01	2.18E-04	1.92E-01	4.07E-02	5.29E-01	3.92E-01	2.09E+01	1.92E+00	2.08E-01	2.34E+01	3.80E-01	2.64E-04	1.92E-01	4.07E-02	6.13E-01
5272	477363.09	3865877.25	2.88E-01	2.25E-04	1.76E-01	2.99E-02	4.94E-01	3.80E-01	2.16E+01	1.76E+00	1.53E-01	2.39E+01	3.69E-01	2.72E-04	1.76E-01	2.99E-02	5.75E-01
5273	477863.09	3865877.25	2.90E-01	2.23E-04	2.44E-01	2.84E-02	5.63E-01	3.83E-01	2.14E+01	2.44E+00	1.45E-01	2.44E+01	3.72E-01	2.71E-04	2.44E-01	2.84E-02	6.45E-01
5274	478363.09	3865877.25	2.97E-01	2.34E-04	2.78E-01	3.48E-02	6.10E-01	3.93E-01	2.24E+01	2.78E+00	1.78E-01	2.58E+01	3.81E-01	2.83E-04	2.78E-01	3.48E-02	6.94E-01
5275	478863.09	3865877.25	3.11E-01	2.37E-04	2.39E-01	3.47E-02	5.85E-01	4.11E-01	2.27E+01	2.39E+00	1.77E-01	2.57E+01	3.99E-01	2.87E-04	2.39E-01	3.47E-02	6.73E-01
5276	479363.09	3865877.25	3.12E-01	2.52E-04	1.72E-01	3.29E-02	5.17E-01	4.13E-01	2.42E+01	1.72E+00	1.68E-01	2.65E+01	4.00E-01	3.05E-04	1.72E-01	3.29E-02	6.06E-01
5277	479863.09	3865877.25	2.96E-01	2.56E-04	1.53E-01	3.34E-02	4.83E-01	3.91E-01	2.46E+01	1.53E+00	1.70E-01	2.67E+01	3.80E-01	3.10E-04	1.53E-01	3.34E-02	5.66E-01
5278	480363.09	3865877.25	3.05E-01	2.56E-04	1.41E-01	3.40E-02	4.80E-01	4.03E-01	2.45E+01	1.41E+00	1.74E-01	2.65E+01	3.91E-01	3.10E-04	1.41E-01	3.40E-02	5.66E-01
5279	480863.09	3865877.25	3.16E-01	2.74E-04	1.50E-01	3.94E-02	5.06E-01	4.18E-01	2.63E+01	1.50E+00	2.01E-01	2.84E+01	4.06E-01	3.32E-04	1.50E-01	3.94E-02	5.96E-01
5280	481363.09	3865877.25	3.20E-01	3.10E-04	1.63E-01	3.39E-02	5.17E-01	4.23E-01	2.97E+01	1.63E+00	1.73E-01	3.20E+01	4.10E-01	3.76E-04	1.63E-01	3.39E-02	6.07E-01
5281	481863.09	3865877.25	3.15E-01	3.42E-04	1.60E-01	3.12E-02	5.06E-01	4.16E-01	3.28E+01	1.60E+00	1.59E-01	3.49E+01	4.04E-01	4.14E-04	1.60E-01	3.12E-02	5.95E-01
5282	482363.09	3865877.25	3.29E-01	4.38E-04	1.43E-01	4.12E-02	5.13E-01	4.34E-01	4.20E+01	1.43E+00	2.10E-01	4.41E+01	4.21E-01	5.31E-04	1.43E-01	4.12E-02	6.06E-01
5283	482863.09	3865877.25	3.36E-01	4.63E-04	1.66E-01	4.63E-02	5.49E-01	4.44E-01	4.44E+01	1.66E+00	2.37E-01	4.67E+01	4.31E-01	5.61E-04	1.66E-01	4.63E-02	6.44E-01
5284	483363.09	3865877.25	3.92E-01	3.82E-04	2.77E-01	4.38E-02	7.14E-01	5.18E-01	3.67E+01	2.77E+00	2.24E-01	4.02E+01	5.03E-01	4.63E-04	2.77E-01	4.38E-02	8.25E-01
5285	483863.09	3865877.25	6.51E-01	3.82E-04	2.82E-01	3.49E-02	9.68E-01	8.60E-01	3.67E+01	2.82E+00	1.78E-01	4.05E+01	8.34E-01	4.63E-04	2.82E-01	3.49E-02	1.15E+00
5286	484363.09	3865877.25	7.04E-01	3.67E-04	3.00E-01	3.50E-02	1.04E+00	9.31E-01	3.52E+01	3.00E+00	1.79E-01	3.93E+01	9.03E-01	4.44E-04	3.00E-01	3.50E-02	1.24E+00
5287	484863.09	3865877.25	7.02E-01	4.02E-04	2.03E-01	4.30E-02	9.49E-01	9.27E-01	3.85E+01	2.03E+00	2.20E-01	4.17E+01	9.00E-01	4.86E-04	2.03E-01	4.30E-02	1.15E+00
5288	485363.09	3865877.25	6.56E-01	4.12E-04	2.32E-01	4.14E-02	9.30E-01	8.67E-01	3.95E+01	2.32E+00	2.12E-01	4.29E+01	8.42E-01	4.99E-04	2.32E-01	4.14E-02	1.12E+00
5289	485863.09	3865877.25	3.97E-01	5.74E-04	1.82E-01	3.29E-02	6.12E-01	5.24E-01	5.50E+01	1.82E+00	1.68E-01	5.76E+01	5.08E-01	6.95E-04	1.82E-01	3.29E-02	7.24E-01
5290	486363.09	3865877.25	4.02E-01	4.48E-04	2.32E-01	4.46E-02	6.80E-01	5.32E-01	4.30E+01	2.32E+00	2.28E-01	4.61E+01	5.16E-01	5.43E-04	2.32E-01	4.46E-02	7.93E-01
5291	486863.09	3865877.25	4.54E-01	4.39E-04	3.23E-01	5.89E-02	8.37E-01	6.00E-01	4.21E+01	3.23E+00	3.01E-01	4.62E+01	5.82E-01	5.32E-04	3.23E-01	5.89E-02	9.65E-01
5292	487363.09	3865877.25	4.61E-01	8.06E-04	3.27E-01	6.98E-02	8.59E-01	6.09E-01	7.73E+01	3.27E+00	3.57E-01	8.15E+01	5.91E-01	9.76E-04	3.27E-01	6.98E-02	9.89E-01
5293	487863.09	3865877.25	4.79E-01	5.62E-04	2.40E-01	6.22E-02	7.81E-01	6.33E-01	5.39E+01	2.40E+00	3.18E-01	5.73E+01	6.14E-01	6.81E-04	2.40E-01	6.22E-02	9.17E-01
5294	488363.09	3865877.25	5.03E-01	4.63E-04	2.84E-01	4.86E-02	8.36E-01	6.65E-01	4.44E+01	2.84E+00	2.48E-01	4.82E+01	6.45E-01	5.61E-04	2.84E-01	4.86E-02	9.79E-01
5295	488863.09	3865877.25	5.09E-01	4.91E-04	1.93E-01	4.03E-02	7.43E-01	6.73E-01	4.71E+01	1.93E+00	2.06E-01	4.99E+01	6.53E-01	5.95E-04	1.93E-01	4.03E-02	8.87E-01
5296	489363.09	3865877.25	5.56E-01	4.78E-04	1.59E-01	4.19E-02	7.57E-01	7.34E-01	4.59E+01	1.59E+00	2.14E-01	4.84E+01	7.12E-01	5.80E-04	1.59E-01	4.19E-02	9.13E-01
5297	489863.09	3865877.25	5.41E-01	5.73E-04	2.24E-01	4.15E-02	8.07E-01	7.15E-01	5.49E+01	2.24E+00	2.12E-01	5.81E+01	6.94E-01	6.94E-04	2.24E-01	4.15E-02	9.60E-01
5298	490363.09	3865877.25	5.83E-01	6.55E-04	2.39E-01	4.87E-02	8.71E-01	7.70E-01	6.28E+01	2.39E+00	2.49E-01	6.62E+01	7.48E-01	7.93E-04	2.39E-01	4.87E-02	1.04E+00
5299	490863.09	3865877.25	6.04E-01	8.20E-04	1.07E-01	5.59E-02	7.68E-01	7.98E-01	7.87E+01	1.07E+00	2.85E-01	8.08E+01	7.75E-01	9.94E-04	1.07E-01	5.59E-02	9.39E-01
5300	491363.09	3865877.25	8.22E-01	9.71E-04	1.26E-01	6.03E-02	1.01E+00	1.09E+00	9.31E+01	1.26E+00	3.08E-01	9.58E+01	1.05E+00	1.18E-03	1.26E-01	6.03E-02	1.24E+00
5301	491863.09	3865877.25	1.20E+00	8.13E-04	1.57E-01	6.16E-02	1.42E+00	1.58E+00	7.80E+01	1.57E+00	3.14E-01	8.14E+01	1.54E+00	9.85E-04	1.57E-01	6.16E-02	1.76E+00
5302	492363.09	3865877.25	9.69E-01	5.88E-04	1.97E-01	1.39E-01	1.31E+00	1.28E+00	5.64E+01	1.97E+00	7.12E-01	6.03E+01	1.24E+00	7.12E-04	1.97E-01	1.39E-01	1.58E+00
5303	492863.09	3865877.25	7.60E-01	2.96E-04	1.97E-01	1.58E-01	1.11E+00	1.00E+00	2.84E+01	1.97E+00	8.07E-01	3.22E+01	9.74E-01	3.59E-04	1.97E-01	1.58E-01	1.33E+00

5304	493363.09	3865877.25	8.55E-01	3.27E-04	2.23E-01	1.85E-01	1.26E+00	1.13E+00	3.13E+01	2.23E+00	9.45E-01	3.56E+01	1.10E+00	3.96E-04	2.23E-01	1.85E-01	1.50E+00
5305	493863.09	3865877.25	9.13E-01	5.44E-04	4.97E-01	8.13E-02	1.49E+00	1.21E+00	5.22E+01	4.97E+00	4.15E-01	5.88E+01	1.17E+00	6.59E-04	4.97E-01	8.13E-02	1.75E+00
5306	494363.09	3865877.25	8.40E-01	8.78E-04	5.03E-01	1.04E-01	1.45E+00	1.11E+00	8.42E+01	5.03E+00	5.30E-01	9.09E+01	1.08E+00	1.06E-03	5.03E-01	1.04E-01	1.68E+00
5307	494863.09	3865877.25	6.09E-01	8.41E-04	3.43E-01	1.11E-01	1.06E+00	8.04E-01	8.07E+01	3.43E+00	5.65E-01	8.55E+01	7.81E-01	1.02E-03	3.43E-01	1.11E-01	1.24E+00
5308	495363.09	3865877.25	5.85E-01	1.02E-03	2.49E-01	1.21E-01	9.57E-01	7.73E-01	9.75E+01	2.49E+00	6.18E-01	1.01E+02	7.50E-01	1.23E-03	2.49E-01	1.21E-01	1.12E+00
5309	495863.09	3865877.25	5.65E-01	9.41E-04	1.91E-01	8.79E-02	8.45E-01	7.46E-01	9.02E+01	1.91E+00	4.49E-01	9.33E+01	7.24E-01	1.14E-03	1.91E-01	8.79E-02	1.00E+00
5310	496363.09	3865877.25	6.43E-01	9.17E-04	2.09E-01	6.09E-02	9.14E-01	8.50E-01	8.80E+01	2.09E+00	3.11E-01	9.12E+01	8.25E-01	1.11E-03	2.09E-01	6.09E-02	1.10E+00
5311	496863.09	3865877.25	5.82E-01	8.12E-04	3.18E-01	8.60E-02	9.86E-01	7.68E-01	7.78E+01	3.18E+00	4.39E-01	8.22E+01	7.46E-01	9.83E-04	3.18E-01	8.60E-02	1.15E+00
5312	497363.09	3865877.25	5.23E-01	7.49E-04	3.11E-01	9.08E-02	9.26E-01	6.91E-01	7.18E+01	3.11E+00	4.64E-01	7.61E+01	6.71E-01	9.07E-04	3.11E-01	9.08E-02	1.07E+00
5313	497863.09	3865877.25	4.85E-01	7.72E-04	2.01E-01	8.65E-02	7.73E-01	6.41E-01	7.41E+01	2.01E+00	4.42E-01	7.72E+01	6.22E-01	9.36E-04	2.01E-01	8.65E-02	9.10E-01
5314	498363.09	3865877.25	5.36E-01	7.23E-04	1.51E-01	9.67E-02	7.85E-01	7.08E-01	6.93E+01	1.51E+00	4.94E-01	7.20E+01	6.87E-01	8.76E-04	1.51E-01	9.67E-02	9.36E-01
5315	471363.09	3866377.25	2.57E-01	2.08E-04	2.75E-01	3.39E-02	5.67E-01	3.40E-01	2.00E+01	2.75E+00	1.73E-01	2.32E+01	3.30E-01	2.52E-04	2.75E-01	3.39E-02	6.39E-01
5316	471863.09	3866377.25	2.59E-01	2.04E-04	2.91E-01	3.56E-02	5.85E-01	3.42E-01	1.96E+01	2.91E+00	1.82E-01	2.30E+01	3.31E-01	2.47E-04	2.91E-01	3.56E-02	6.58E-01
5317	472363.09	3866377.25	2.60E-01	2.12E-04	2.62E-01	3.30E-02	5.55E-01	3.44E-01	2.03E+01	2.62E+00	1.69E-01	2.35E+01	3.34E-01	2.57E-04	2.62E-01	3.30E-02	6.29E-01
5318	472863.09	3866377.25	2.59E-01	2.18E-04	1.89E-01	2.80E-02	4.77E-01	3.43E-01	2.09E+01	1.89E+00	1.43E-01	2.33E+01	3.33E-01	2.64E-04	1.89E-01	2.80E-02	5.50E-01
5319	473363.09	3866377.25	2.60E-01	2.26E-04	1.30E-01	2.98E-02	4.19E-01	3.43E-01	2.17E+01	1.30E+00	1.52E-01	2.35E+01	3.33E-01	2.74E-04	1.30E-01	2.98E-02	4.93E-01
5320	473863.09	3866377.25	2.57E-01	2.32E-04	1.28E-01	3.25E-02	4.18E-01	3.39E-01	2.22E+01	1.28E+00	1.66E-01	2.40E+01	3.29E-01	2.81E-04	1.28E-01	3.25E-02	4.90E-01
5321	474363.09	3866377.25	2.67E-01	2.34E-04	1.25E-01	3.56E-02	4.28E-01	3.53E-01	2.24E+01	1.25E+00	1.82E-01	2.42E+01	3.43E-01	2.84E-04	1.25E-01	3.56E-02	5.03E-01
5322	474863.09	3866377.25	2.84E-01	2.33E-04	1.27E-01	3.96E-02	4.51E-01	3.75E-01	2.24E+01	1.27E+00	2.02E-01	2.42E+01	3.64E-01	2.83E-04	1.27E-01	3.96E-02	5.31E-01
5323	475363.09	3866377.25	2.89E-01	2.27E-04	1.47E-01	4.12E-02	4.77E-01	3.81E-01	2.18E+01	1.47E+00	2.10E-01	2.38E+01	3.70E-01	2.75E-04	1.47E-01	4.12E-02	5.58E-01
5324	475863.09	3866377.25	2.84E-01	2.18E-04	1.60E-01	3.91E-02	4.83E-01	3.75E-01	2.09E+01	1.60E+00	2.00E-01	2.30E+01	3.64E-01	2.64E-04	1.60E-01	3.91E-02	5.63E-01
5325	476363.09	3866377.25	2.74E-01	2.14E-04	1.70E-01	3.07E-02	4.75E-01	3.62E-01	2.05E+01	1.70E+00	1.57E-01	2.27E+01	3.51E-01	2.59E-04	1.70E-01	3.07E-02	5.53E-01
5326	476863.09	3866377.25	2.80E-01	1.89E-04	2.12E-01	2.97E-02	5.22E-01	3.70E-01	1.81E+01	2.12E+00	1.52E-01	2.07E+01	3.59E-01	2.29E-04	2.12E-01	2.97E-02	6.01E-01
5327	477363.09	3866377.25	2.81E-01	2.23E-04	2.65E-01	2.88E-02	5.75E-01	3.71E-01	2.14E+01	2.65E+00	1.47E-01	2.45E+01	3.60E-01	2.70E-04	2.65E-01	2.88E-02	6.55E-01
5328	477863.09	3866377.25	2.86E-01	2.22E-04	2.84E-01	3.36E-02	6.04E-01	3.78E-01	2.13E+01	2.84E+00	1.71E-01	2.47E+01	3.67E-01	2.69E-04	2.84E-01	3.36E-02	6.85E-01
5329	478363.09	3866377.25	2.98E-01	2.30E-04	2.19E-01	3.52E-02	5.52E-01	3.93E-01	2.21E+01	2.19E+00	1.80E-01	2.49E+01	3.82E-01	2.79E-04	2.19E-01	3.52E-02	6.36E-01
5330	478863.09	3866377.25	3.02E-01	2.40E-04	1.63E-01	3.28E-02	4.98E-01	3.99E-01	2.30E+01	1.63E+00	1.68E-01	2.52E+01	3.87E-01	2.91E-04	1.63E-01	3.28E-02	5.83E-01
5331	479363.09	3866377.25	2.92E-01	2.39E-04	1.44E-01	3.41E-02	4.71E-01	3.86E-01	2.29E+01	1.44E+00	1.74E-01	2.49E+01	3.75E-01	2.90E-04	1.44E-01	3.41E-02	5.54E-01
5332	479863.09	3866377.25	2.93E-01	2.46E-04	1.35E-01	3.76E-02	4.66E-01	3.87E-01	2.36E+01	1.35E+00	1.92E-01	2.56E+01	3.76E-01	2.98E-04	1.35E-01	3.76E-02	5.49E-01
5333	480363.09	3866377.25	2.99E-01	2.56E-04	1.44E-01	4.04E-02	4.83E-01	3.94E-01	2.45E+01	1.44E+00	2.06E-01	2.66E+01	3.83E-01	3.10E-04	1.44E-01	4.04E-02	5.68E-01
5334	480863.09	3866377.25	3.10E-01	2.95E-04	1.54E-01	3.22E-02	4.97E-01	4.09E-01	2.83E+01	1.54E+00	1.64E-01	3.04E+01	3.97E-01	3.57E-04	1.54E-01	3.22E-02	5.84E-01
5335	481363.09	3866377.25	3.04E-01	3.19E-04	1.54E-01	2.91E-02	4.87E-01	4.02E-01	3.06E+01	1.54E+00	1.48E-01	3.27E+01	3.90E-01	3.86E-04	1.54E-01	2.91E-02	5.73E-01
5336	481863.09	3866377.25	3.04E-01	3.37E-04	1.46E-01	3.20E-02	4.83E-01	4.01E-01	3.23E+01	1.46E+00	1.63E-01	3.44E+01	3.90E-01	4.08E-04	1.46E-01	3.20E-02	5.68E-01
5337	482363.09	3866377.25	3.21E-01	4.39E-04	1.55E-01	4.08E-02	5.17E-01	4.24E-01	4.21E+01	1.55E+00	2.09E-01	4.43E+01	4.11E-01	5.32E-04	1.55E-01	4.08E-02	6.08E-01
5338	482863.09	3866377.25	3.24E-01	4.52E-04	2.25E-01	4.48E-02	5.94E-01	4.27E-01	4.34E+01	2.25E+00	2.29E-01	4.63E+01	4.15E-01	5.48E-04	2.25E-01	4.48E-02	6.85E-01
5339	483363.09	3866377.25	4.31E-01	3.66E-04	2.86E-01	4.17E-02	7.59E-01	5.69E-01	3.51E+01	2.86E+00	2.13E-01	3.87E+01	5.52E-01	4.43E-04	2.86E-01	4.17E-02	8.81E-01
5340	483863.09	3866377.25	6.58E-01	3.34E-04	2.42E-01	3.32E-02	9.33E-01	8.69E-01	3.20E+01	2.42E+00	1.70E-01	3.55E+01	8.44E-01	4.05E-04	2.42E-01	3.32E-02	1.12E+00
5341	484363.09	3866377.25	6.98E-01	3.60E-04	2.79E-01	3.94E-02	1.02E+00	9.22E-01	3.45E+01	2.79E+00	2.01E-01	3.84E+01	8.95E-01	4.36E-04	2.79E-01	3.94E-02	1.21E+00
5342	484863.09	3866377.25	7.00E-01	3.73E-04	1.38E-01	3.67E-02	8.75E-01	9.24E-01	3.58E+01	1.38E+00	1.88E-01	3.83E+01	8.97E-01	4.52E-04	1.38E-01	3.67E-02	1.07E+00
5343	485363.09	3866377.25	6.29E-01	4.27E-04	2.59E-01	4.37E-02	9.32E-01	8.31E-01	4.10E+01	2.59E+00	2.23E-01	4.46E+01	8.07E-01	5.18E-04	2.59E-01	4.37E-02	1.11E+00
5344	485863.09	3866377.25	3.82E-01	5.60E-04	1.38E-01	3.41E-02	5.54E-01	5.04E-01	5.37E+01	1.38E+00	1.74E-01	5.58E+01	4.89E-01	6.78E-04	1.38E-01	3.41E-02	6.62E-01
5345	486363.09	3866377.25	3.88E-01	4.16E-04	2.40E-01	4.62E-02	6.74E-01	5.12E-01	3.99E+01	2.40E+00	2.36E-01	4.30E+01	4.97E-01	5.04E-04	2.40E-01	4.62E-02	7.84E-01
5346	486863.09	3866377.25	4.36E-01	4.71E-04	3.15E-01	6.01E-02	8.12E-01	5.76E-01	4.52E+01	3.15E+00	3.07E-01	4.92E+01	5.59E-01	5.71E-04	3.15E-01	6.01E-02	9.35E-01
5347	487363.09	3866377.25	4.50E-01	8.77E-04	3.17E-01	7.00E-02	8.38E-01	5.95E-01	8.41E+01	3.17E+00	3.58E-01	8.83E+01	5.77E-01	1.06E-03	3.17E-01	7.00E-02	9.65E-01
5348	487863.09	3866377.25	4.66E-01	5.27E-04	2.51E-01	5.91E-02	7.76E-01	6.16E-01	5.06E+01	2.51E+00	3.02E-01	5.40E+01	5.98E-01	6.39E-04	2.51E-01	5.91E-02	9.08E-01
5349	488363.09	3866377.25	4.87E-01	4.52E-04	3.28E-01	5.60E-02	8.71E-01	6.43E-01	4.34E+01	3.28E+00	2.86E-01	4.76E+01	6.24E-01	5.48E-04	3.28E-01	5.60E-02	1.01E+00
5350	488863.09	3866377.25	4.89E-01	4.95E-04	2.27E-01	4.17E-02	7.58E-01	6.46E-01	4.75E+01	2.27E+00	2.13E-01	5.06E+01	6.27E-01	6.00E-04	2.27E-01	4.17E-02	8.96E-01
5351	489363.09	3866377.25	5.51E-01	4.62E-04	1.44E-01	3.59E-02	7.32E-01	7.28E-01	4.43E+01	1.44E+00	1.83E-01	4.66E+01	7.07E-01	5.59E-04	1.44E-01	3.59E-02	8.87E-01
5352	489863.09	3866377.25	5.41E-01	5.65E-04	2.60E-01	7.14E-02	8.72E-01	7.14E-01	5.42E+01	2.60E+00	3.65E-01	5.79E+01	6.93E-01	6.85E-04	2.60E-01	7.14E-02	1.02E+00
5353	490363.09	3866377.25	5.32E-01	6.09E-04	2.98E-01	4.44E-02	8.75E-01	7.03E-01	5.84E+01	2.98E+00	2.27E-01	6.23E+01	6.82E-01	7.38E-04	2.98E-01	4.44E-02	1.02E+00
5354	490863.09	3866377.25	5.45E-01	7.01E-04	1.24E-01	5.15E-02	7.22E-01	7.20E-01	6.72E+01	1.24E+00	2.63E-01	6.94E+01	6.99E-01	8.49E-04	1.24E-01	5.15E-02	8.76E-01
5355	491363.09	3866377.25	5.39E-01	9.46E-04	1.02E-01	5.76E-02	6.99E-01	7.12E-01	9.08E+01	1.02E+00	2.94E-01	9.28E+01	6.91E-01	1.15E-03	1.02E-01	5.76E-02	8.51E-01
5356	491863.09	3866377.25	1.03E+00	7.93E-04	1.23E-01	7.08E-02	1.22E+00	1.36E+00	7.60E+01	1.23E+00	3.61E-01	7.90E+01	1.32E+00	9.61E-04	1.23E-01	7.08E-02	1.51E+00
5357	492363.09	3866377.25	1.20E+00	6.22E-04	1.72E-01	9.71E-02	1.47E+00	1.59E+00	5.97E+01	1.72E+00	4.96E-01	6.35E+01	1.54E+00	7.54E-04	1.72E-01	9.71E-02	1.81E+00
5358	492863.09	3866377.25	6.97E-01	4.22E-04	1.92E-01	2.03E-01	1.09E+00	9.20E-01	4.05E+01	1.92E+00	1.04E+00	4.44E+01	8.93E-01	5.12E-04	1.92E-01	2.03E-01	1.29E+00
5359	493363.09	3866377.25	7.80E-01	4.90E-04	2.25E-01	2.13E-01	1.22E+00	1.03E+00	4.70E+01	2.25E+00	1.09E+00	5.13E+01	1.00E+00	5.93E-04	2.25E-01	2.13E-01	1.44E+00
5360	493863.09	3866377.25	8.25E-01	6.68E-04	1.95E-01	1.50E-01	1.17E+00	1.09E+00	6.41E+01	1.95E+00	7.65E-01	6.79E+01	1.06E+00	8.09E-04	1.95E-01	1.50E-01	1.40E+00
5361	494363.09	3866377.25	7.36E-01	8.87E-04	1.96E-01	6.80E-02	1.00E+00	9.73E-01	8.50E+01	1.96E+00	3.47E-01	8.83E+01	9.44E-01	1.07E-03	1.96E-01	6.80E-02	1.21E+00
5362	494863.09	3866377.25	6.83E-01	9.69E-04	2.47E-01	7.76E-02	1.01E+00	9.02E-01	9.29E+01	2.47E+00	3.96E-01	9.67E+01	8.76E-01	1.17E-03	2.47E-01	7.76E-02	1.20E+00
5363	495363.09	3866377.25	7.80E-01	7.42E-04	3.61E-01	1.08E-01	1.25E+00	1.03E+00	7.11E+01	3.61E+00	5.51E-01	7.63E+01	1.00E+00	8.99E-04	3.61E-01	1.08E-01	1.47E+00
5364	495863.09	3866377.25	7.66E-01	8.15E-04	2.40E-01	1.29E-01	1.14E+00	1.01E+00	7.82E+01	2.40E+00	6.58E-01	8.23E+01	9.82E-01	9.88E-04	2.40E-01	1.29E-01	1.35E+00

5365	496363.09	3866377.25	7.72E-01	8.11E-04	1.81E-01	9.80E-02	1.05E+00	1.02E+00	7.78E+01	1.81E+00	5.01E-01	8.11E+01	9.90E-01	9.82E-04	1.81E-01	9.80E-02	1.27E+00
5366	496863.09	3866377.25	7.95E-01	7.08E-04	2.39E-01	5.76E-02	1.09E+00	1.05E+00	6.79E+01	2.39E+00	2.94E-01	7.16E+01	1.02E+00	8.57E-04	2.39E-01	5.76E-02	1.32E+00
5367	497363.09	3866377.25	6.42E-01	6.79E-04	3.25E-01	1.05E-01	1.07E+00	8.48E-01	6.51E+01	3.25E+00	5.37E-01	6.97E+01	8.23E-01	8.22E-04	3.25E-01	1.05E-01	1.25E+00
5368	497863.09	3866377.25	6.85E-01	6.56E-04	3.38E-01	1.34E-01	1.16E+00	9.04E-01	6.29E+01	3.38E+00	6.85E-01	6.79E+01	8.78E-01	7.95E-04	3.38E-01	1.34E-01	1.35E+00
5369	498363.09	3866377.25	7.49E-01	4.90E-04	2.34E-01	1.79E-01	1.16E+00	9.90E-01	4.70E+01	2.34E+00	9.15E-01	5.12E+01	9.60E-01	5.93E-04	2.34E-01	1.79E-01	1.37E+00
5370	474494.92	3848334.16	9.62E-01	7.77E-04	9.36E-02	5.59E-02	1.11E+00	1.27E+00	7.45E+01	9.36E-01	2.85E-01	7.70E+01	1.23E+00	9.41E-04	9.36E-02	5.59E-02	1.38E+00
5371	475167.27	3848920.79	8.85E-01	8.30E-04	9.39E-02	5.90E-02	1.04E+00	1.17E+00	7.96E+01	9.39E-01	3.01E-01	8.20E+01	1.13E+00	1.01E-03	9.39E-02	5.90E-02	1.29E+00
5372	475297.89	3848997.96	9.18E-01	8.59E-04	9.56E-02	5.94E-02	1.07E+00	1.21E+00	8.24E+01	9.56E-01	3.04E-01	8.49E+01	1.18E+00	1.04E-03	9.56E-02	5.94E-02	1.33E+00
5373	475439.05	3849062	9.73E-01	8.54E-04	9.84E-02	5.97E-02	1.13E+00	1.29E+00	8.19E+01	9.84E-01	3.05E-01	8.45E+01	1.25E+00	1.03E-03	9.84E-02	5.97E-02	1.41E+00
5374	475486.86	3849061.09	1.02E+00	8.57E-04	1.00E-01	5.96E-02	1.18E+00	1.35E+00	8.22E+01	1.00E+00	3.04E-01	8.49E+01	1.31E+00	1.04E-03	1.00E-01	5.96E-02	1.47E+00
5375	475538.46	3849075.56	1.05E+00	8.74E-04	1.02E-01	5.96E-02	1.22E+00	1.39E+00	8.38E+01	1.02E+00	3.04E-01	8.66E+01	1.35E+00	1.06E-03	1.02E-01	5.96E-02	1.51E+00
5376	475751.79	3849137.15	1.15E+00	9.53E-04	1.08E-01	5.93E-02	1.32E+00	1.52E+00	9.14E+01	1.08E+00	3.03E-01	9.43E+01	1.47E+00	1.16E-03	1.08E-01	5.93E-02	1.64E+00
5377	476303.62	3849223.38	1.04E+00	7.79E-04	1.26E-01	5.50E-02	1.23E+00	1.38E+00	7.47E+01	1.26E+00	2.81E-01	7.76E+01	1.34E+00	9.44E-04	1.26E-01	5.50E-02	1.52E+00
5378	476304.51	3849238.92	1.04E+00	7.96E-04	1.26E-01	5.53E-02	1.23E+00	1.38E+00	7.64E+01	1.26E+00	2.83E-01	7.93E+01	1.34E+00	9.65E-04	1.26E-01	5.53E-02	1.52E+00
5379	476365.04	3849247.98	1.04E+00	7.56E-04	1.28E-01	5.46E-02	1.23E+00	1.38E+00	7.25E+01	1.28E+00	2.79E-01	7.54E+01	1.34E+00	9.16E-04	1.28E-01	5.46E-02	1.52E+00
5380	476444.86	3849267.13	1.04E+00	7.03E-04	1.30E-01	5.38E-02	1.23E+00	1.38E+00	6.74E+01	1.30E+00	2.75E-01	7.04E+01	1.34E+00	8.51E-04	1.30E-01	5.38E-02	1.52E+00
5381	476550.75	3849300.66	1.05E+00	7.44E-04	1.32E-01	5.28E-02	1.24E+00	1.39E+00	7.14E+01	1.32E+00	2.70E-01	7.43E+01	1.35E+00	9.02E-04	1.32E-01	5.28E-02	1.53E+00
5382	476656.71	3849346.88	1.09E+00	7.57E-04	1.35E-01	5.21E-02	1.28E+00	1.44E+00	7.26E+01	1.35E+00	2.66E-01	7.57E+01	1.40E+00	9.17E-04	1.35E-01	5.21E-02	1.58E+00
5383	476873.55	3849454.53	1.13E+00	8.03E-04	1.39E-01	5.09E-02	1.32E+00	1.49E+00	7.70E+01	1.39E+00	2.60E-01	8.02E+01	1.45E+00	9.73E-04	1.39E-01	5.09E-02	1.64E+00
5384	477700	3849859.7	1.07E+00	9.74E-04	1.53E-01	4.45E-02	1.27E+00	1.41E+00	9.34E+01	1.53E+00	2.27E-01	9.66E+01	1.37E+00	1.18E-03	1.53E-01	4.45E-02	1.57E+00
5385	477743.16	3849856.38	1.12E+00	9.44E-04	1.54E-01	4.32E-02	1.32E+00	1.48E+00	9.05E+01	1.54E+00	2.21E-01	9.38E+01	1.43E+00	1.14E-03	1.54E-01	4.32E-02	1.63E+00
5386	478477.35	3850216.33	1.39E+00	1.02E-03	1.64E-01	3.56E-02	1.59E+00	1.83E+00	9.74E+01	1.64E+00	1.82E-01	1.01E+02	1.78E+00	1.23E-03	1.64E-01	3.56E-02	1.98E+00
5387	478485.8	3850201.6	1.43E+00	1.01E-03	1.64E-01	3.63E-02	1.63E+00	1.89E+00	9.71E+01	1.64E+00	1.85E-01	1.01E+02	1.83E+00	1.23E-03	1.64E-01	3.63E-02	2.03E+00
5388	479113.21	3850501.53	1.45E+00	9.74E-04	1.69E-01	4.84E-02	1.67E+00	1.91E+00	9.34E+01	1.69E+00	2.47E-01	9.72E+01	1.86E+00	1.18E-03	1.69E-01	4.84E-02	2.08E+00
5389	479108.11	3850382.28	1.40E+00	9.11E-04	1.64E-01	5.63E-02	1.62E+00	1.85E+00	8.74E+01	1.64E+00	2.88E-01	9.11E+01	1.80E+00	1.10E-03	1.64E-01	5.63E-02	2.02E+00
5390	479689.85	3850674.28	1.67E+00	7.97E-04	1.63E-01	7.40E-02	1.91E+00	2.20E+00	7.64E+01	1.63E+00	3.78E-01	8.06E+01	2.14E+00	9.65E-04	1.63E-01	7.40E-02	2.38E+00
5391	479952.42	3850774.28	1.68E+00	7.22E-04	1.59E-01	7.09E-02	1.91E+00	2.22E+00	6.92E+01	1.59E+00	3.62E-01	7.34E+01	2.15E+00	8.75E-04	1.59E-01	7.09E-02	2.38E+00
5392	479911.32	3850884.85	1.56E+00	8.31E-04	1.68E-01	6.45E-02	1.80E+00	2.07E+00	7.97E+01	1.68E+00	3.30E-01	8.38E+01	2.01E+00	1.01E-03	1.68E-01	6.45E-02	2.24E+00
5393	480500.92	3851178.12	1.71E+00	8.13E-04	1.63E-01	4.78E-02	1.92E+00	2.26E+00	7.80E+01	1.63E+00	2.44E-01	8.21E+01	2.19E+00	9.85E-04	1.63E-01	4.78E-02	2.40E+00
5394	480738.01	3851289.27	1.87E+00	7.49E-04	1.59E-01	4.53E-02	2.07E+00	2.47E+00	7.18E+01	1.59E+00	2.31E-01	7.61E+01	2.40E+00	9.07E-04	1.59E-01	4.53E-02	2.60E+00
5395	481055.42	3851443.58	1.98E+00	7.35E-04	1.52E-01	4.34E-02	2.18E+00	2.62E+00	7.05E+01	1.52E+00	2.22E-01	7.49E+01	2.54E+00	8.91E-04	1.52E-01	4.34E-02	2.73E+00
5396	481110.22	3851443.15	1.98E+00	7.48E-04	1.48E-01	4.41E-02	2.18E+00	2.62E+00	7.17E+01	1.48E+00	2.25E-01	7.61E+01	2.54E+00	9.06E-04	1.48E-01	4.41E-02	2.74E+00
5397	481111.1	3851417.45	1.96E+00	7.48E-04	1.45E-01	4.51E-02	2.15E+00	2.59E+00	7.17E+01	1.45E+00	2.30E-01	7.60E+01	2.51E+00	9.06E-04	1.45E-01	4.51E-02	2.70E+00
5398	482248.44	3852605.09	2.80E+00	9.37E-04	1.88E-01	5.84E-02	3.05E+00	3.70E+00	8.98E+01	1.88E+00	2.98E-01	9.57E+01	3.59E+00	1.13E-03	1.88E-01	5.84E-02	3.83E+00
5399	482273.34	3852632.31	2.83E+00	9.45E-04	1.89E-01	5.93E-02	3.08E+00	3.73E+00	9.06E+01	1.89E+00	3.03E-01	9.65E+01	3.62E+00	1.14E-03	1.89E-01	5.93E-02	3.87E+00
5400	482665.46	3853038.72	3.29E+00	9.44E-04	2.07E-01	7.21E-02	3.57E+00	4.35E+00	9.05E+01	2.07E+00	3.68E-01	9.73E+01	4.22E+00	1.14E-03	2.07E-01	7.21E-02	4.50E+00
5401	483077.95	3853844.31	4.84E+00	1.03E-03	2.69E-01	1.00E-01	5.21E+00	6.39E+00	9.87E+01	2.69E+00	5.11E-01	1.08E+02	6.20E+00	1.25E-03	2.69E-01	1.00E-01	6.57E+00
5402	483121.38	3853909.38	5.00E+00	1.02E-03	2.72E-01	1.06E-01	5.38E+00	6.61E+00	9.74E+01	2.72E+00	5.43E-01	1.07E+02	6.41E+00	1.23E-03	2.72E-01	1.06E-01	6.79E+00
5403	483492.64	3853911.49	5.21E+00	8.10E-04	2.56E-01	7.37E-02	5.54E+00	6.88E+00	7.77E+01	2.56E+00	3.76E-01	8.75E+01	6.68E+00	9.82E-04	2.56E-01	7.37E-02	7.01E+00
5404	483498.29	3854204.73	6.25E+00	9.25E-04	2.87E-01	1.04E-01	6.64E+00	8.25E+00	8.87E+01	2.87E+00	5.30E-01	1.00E+02	8.01E+00	1.12E-03	2.87E-01	1.04E-01	8.40E+00
5405	484132.44	3854662.55	7.48E+00	5.96E-04	3.13E-01	1.65E-01	7.96E+00	9.88E+00	5.72E+01	3.13E+00	8.43E-01	7.10E+01	9.59E+00	7.22E-04	3.13E-01	1.65E-01	1.01E+01
5406	484627.62	3854876.13	7.34E+00	4.95E-04	3.07E-01	1.39E-01	7.79E+00	9.69E+00	4.75E+01	3.07E+00	7.09E-01	6.10E+01	9.41E+00	6.00E-04	3.07E-01	1.39E-01	9.86E+00
5407	484756.14	3854949.04	7.00E+00	4.66E-04	3.06E-01	1.11E-01	7.42E+00	9.25E+00	4.47E+01	3.06E+00	5.67E-01	5.75E+01	8.97E+00	5.64E-04	3.06E-01	1.11E-01	9.39E+00
5408	486697.51	3856599.17	7.59E+00	6.21E-04	4.62E-01	2.40E-01	8.29E+00	1.00E+01	5.95E+01	4.62E+00	1.22E+00	7.54E+01	9.73E+00	7.52E-04	4.62E-01	2.40E-01	1.04E+01
5409	487105.31	3856962.27	8.30E+00	6.82E-04	5.11E-01	1.54E-01	8.97E+00	1.10E+01	6.54E+01	5.11E+00	7.87E-01	8.22E+01	1.06E+01	8.26E-04	5.11E-01	1.54E-01	1.13E+01
5410	487157.57	3856901.7	6.34E+00	7.00E-04	3.84E-01	1.58E-01	6.89E+00	8.38E+00	6.71E+01	3.84E+00	8.08E-01	8.02E+01	8.13E+00	8.48E-04	3.84E-01	1.58E-01	8.68E+00
5411	487173.5	3856853.74	5.64E+00	6.96E-04	3.15E-01	1.69E-01	6.13E+00	7.45E+00	6.68E+01	3.15E+00	8.65E-01	7.82E+01	7.23E+00	8.44E-04	3.15E-01	1.69E-01	7.72E+00
5412	487564.41	3856860.83	3.47E+00	6.67E-04	7.96E-01	1.36E-01	4.40E+00	4.58E+00	6.40E+01	7.96E+00	6.96E-01	7.72E+01	4.45E+00	8.08E-04	7.96E-01	1.36E-01	5.38E+00
5413	487563.31	3856931.58	3.85E+00	7.08E-04	7.80E-01	1.25E-01	4.76E+00	5.09E+00	6.79E+01	7.80E+00	6.36E-01	8.14E+01	4.94E+00	8.58E-04	7.80E-01	1.25E-01	5.84E+00
5414	487782.7	3856926.85	3.08E+00	6.96E-04	8.86E-01	1.10E-01	4.08E+00	4.07E+00	6.67E+01	8.86E+00	5.61E-01	8.02E+01	3.95E+00	8.43E-04	8.86E-01	1.10E-01	4.95E+00
5415	487782.39	3856757.07	2.67E+00	6.75E-04	7.86E-01	1.20E-01	3.57E+00	3.52E+00	6.47E+01	7.86E+00	6.15E-01	7.67E+01	3.42E+00	8.17E-04	7.86E-01	1.20E-01	4.33E+00
5416	487917.26	3856752.41	2.47E+00	6.76E-04	5.96E-01	1.08E-01	3.17E+00	3.26E+00	6.48E+01	5.96E+00	5.53E-01	7.46E+01	3.16E+00	8.18E-04	5.96E-01	1.08E-01	3.87E+00
5417	487919.57	3856953.35	2.82E+00	7.43E-04	7.12E-01	9.59E-02	3.63E+00	3.73E+00	7.13E+01	7.12E+00	4.90E-01	8.26E+01	3.62E+00	9.00E-04	7.12E-01	9.59E-02	4.42E+00
5418	487932.76	3857000.32	2.95E+00	7.51E-04	7.14E-01	8.87E-02	3.75E+00	3.89E+00	7.20E+01	7.14E+00	4.53E-01	8.35E+01	3.78E+00	9.09E-04	7.14E-01	8.87E-02	4.58E+00
5419	487960.5	3857044.75	3.02E+00	7.62E-04	6.79E-01	7.94E-02	3.78E+00	3.99E+00	7.31E+01	6.79E+00	4.06E-01	8.43E+01	3.87E+00	9.23E-04	6.79E-01	7.94E-02	4.63E+00
5420	488016.54	3857089.54	3.02E+00	7.76E-04	5.65E-01	6.86E-02	3.66E+00	3.99E+00	7.45E+01	5.65E+00	3.50E-01	8.45E+01	3.87E+00	9.41E-04	5.65E-01	6.86E-02	4.51E+00
5421	488114.39	3857165.47	3.01E+00	8.50E-04	4.81E-01	6.23E-02	3.55E+00	3.97E+00	8.16E+01	4.81E+00	3.18E-01	9.07E+01	3.86E+00	1.03E-03	4.81E-01	6.23E-02	4.40E+00
5422	488171.49	3857234.24	3.05E+00	9.12E-04	5.11E-01	6.03E-02	3.63E+00	4.03E+00	8.74E+01	5.11E+00	3.08E-01	9.69E+01	3.91E+00	1.10E-03	5.11E-01	6.03E-02	4.49E+00
5423	488193.16	3857297.8	3.25E+00	9.71E-04	5.57E-01	6.20E-02	3.87E+00	4.30E+00	9.32E+01	5.57E+00	3.17E-01	1.03E+02	4.17E+00	1.18E-03	5.57E-01	6.20E-02	4.79E+00
5424	488189.27	3857649.94	4.41E+00	1.24E-03	1.07E+00	1.32E-01	5.61E+00	5.82E+00	1.18E+02	1.07E+01	6.77E-01	1.36E+02	5.65E+00	1.50E-03	1.07E+00	1.32E-01	6.86E+00
5425	488127.43	3857732.32	4.37E+00	1.23E-03	1.56E+00	1.44E-01	6.07E+00	5.77E+00	1.18E+02	1.56E+01	7.37E-01	1.40E+02	5.60E+00	1.50E-03	1.56E+00	1.44E-01	7.30E+00

5426	488149.93	3857752.94	4.32E+00	1.25E-03	1.44E+00	1.46E-01	5.90E+00	5.70E+00	1.20E+02	1.44E+01	7.47E-01	1.40E+02	5.53E+00	1.51E-03	1.44E+00	1.46E-01	7.12E+00
5427	488144.76	3857758.71	4.33E+00	1.24E-03	1.50E+00	1.47E-01	5.98E+00	5.72E+00	1.19E+02	1.50E+01	7.51E-01	1.41E+02	5.55E+00	1.50E-03	1.50E+00	1.47E-01	7.20E+00
5428	488335.58	3857932.55	3.84E+00	1.48E-03	1.97E+00	9.57E-02	5.90E+00	5.07E+00	1.42E+02	1.97E+01	4.89E-01	1.67E+02	4.92E+00	1.79E-03	1.97E+00	9.57E-02	6.98E+00
5429	488372.29	3857943.79	3.76E+00	1.48E-03	2.46E+00	1.03E-01	6.33E+00	4.97E+00	1.42E+02	2.46E+01	5.24E-01	1.72E+02	4.82E+00	1.80E-03	2.46E+00	1.03E-01	7.39E+00
5430	488828.64	3857936.4	3.27E+00	1.43E-03	1.54E+00	1.14E-01	4.93E+00	4.32E+00	1.37E+02	1.54E+01	5.83E-01	1.57E+02	4.19E+00	1.73E-03	1.54E+00	1.14E-01	5.85E+00
5431	488829.08	3857959.58	3.31E+00	1.45E-03	1.49E+00	1.12E-01	4.91E+00	4.37E+00	1.39E+02	1.49E+01	5.71E-01	1.58E+02	4.24E+00	1.75E-03	1.49E+00	1.12E-01	5.85E+00
5432	488351.61	3857964.55	3.78E+00	1.50E-03	3.44E+00	1.08E-01	7.33E+00	4.99E+00	1.44E+02	3.44E+01	5.50E-01	1.84E+02	4.85E+00	1.82E-03	3.44E+00	1.08E-01	8.40E+00
5433	488316.87	3857947.65	3.89E+00	1.48E-03	2.14E+00	9.69E-02	6.12E+00	5.14E+00	1.42E+02	2.14E+01	4.95E-01	1.69E+02	4.98E+00	1.80E-03	2.14E+00	9.69E-02	7.22E+00
5434	488129.1	3857775.77	4.35E+00	1.24E-03	1.66E+00	1.49E-01	6.16E+00	5.75E+00	1.18E+02	1.66E+01	7.62E-01	1.42E+02	5.58E+00	1.50E-03	1.66E+00	1.49E-01	7.38E+00
5435	488062.53	3857846.13	4.72E+00	1.23E-03	2.97E+00	1.56E-01	7.85E+00	6.23E+00	1.18E+02	2.97E+01	7.98E-01	1.55E+02	6.05E+00	1.49E-03	2.97E+00	1.56E-01	9.18E+00
5436	488330.41	3858091.34	4.02E+00	1.56E-03	5.68E+00	1.45E-01	9.84E+00	5.30E+00	1.49E+02	5.68E+01	7.43E-01	2.12E+02	5.15E+00	1.89E-03	5.68E+00	1.45E-01	1.10E+01
5437	488470.87	3858174.45	3.71E+00	1.51E-03	3.48E+00	1.42E-01	7.33E+00	4.90E+00	1.44E+02	3.48E+01	7.23E-01	1.85E+02	4.75E+00	1.82E-03	3.48E+00	1.42E-01	8.37E+00
5438	488568.9	3858262.31	3.48E+00	1.75E-03	2.35E+00	1.01E-01	5.93E+00	4.59E+00	1.68E+02	2.35E+01	5.16E-01	1.97E+02	4.46E+00	2.12E-03	2.35E+00	1.01E-01	6.91E+00
5439	488964.27	3858025.71	3.15E+00	1.55E-03	1.19E+00	1.06E-01	4.45E+00	4.16E+00	1.48E+02	1.19E+01	5.40E-01	1.65E+02	4.04E+00	1.88E-03	1.19E+00	1.06E-01	5.34E+00
5440	489147.25	3857956.64	2.78E+00	1.37E-03	9.08E-01	1.16E-01	3.81E+00	3.68E+00	1.32E+02	9.08E+00	5.93E-01	1.45E+02	3.57E+00	1.67E-03	9.08E-01	1.16E-01	4.60E+00
5441	489343.52	3857932.45	2.49E+00	1.27E-03	7.88E-01	1.06E-01	3.38E+00	3.28E+00	1.21E+02	7.88E+00	5.44E-01	1.33E+02	3.19E+00	1.53E-03	7.88E-01	1.06E-01	4.08E+00
5442	489866.19	3857923.19	1.92E+00	8.83E-04	7.74E-01	5.77E-02	2.75E+00	2.54E+00	8.47E+01	7.74E+00	2.94E-01	9.52E+01	2.46E+00	1.07E-03	7.74E-01	5.77E-02	3.29E+00
5443	489955.65	3857902.27	1.80E+00	7.91E-04	7.72E-01	5.95E-02	2.63E+00	2.38E+00	7.59E+01	7.72E+00	3.04E-01	8.63E+01	2.31E+00	9.59E-04	7.72E-01	5.95E-02	3.14E+00
5444	490079.44	3857847.9	1.70E+00	7.32E-04	7.54E-01	5.72E-02	2.52E+00	2.25E+00	7.02E+01	7.54E+00	2.92E-01	8.03E+01	2.19E+00	8.86E-04	7.54E-01	5.72E-02	3.00E+00
5445	490108.49	3857934.13	1.69E+00	6.92E-04	7.65E-01	5.80E-02	2.52E+00	2.24E+00	6.64E+01	7.65E+00	2.96E-01	7.66E+01	2.17E+00	8.39E-04	7.65E-01	5.80E-02	3.00E+00
5446	489884.48	3858014.17	2.00E+00	8.29E-04	7.42E-01	5.95E-02	2.81E+00	2.65E+00	7.95E+01	7.42E+00	3.04E-01	8.99E+01	2.57E+00	1.00E-03	7.42E-01	5.95E-02	3.37E+00
5447	489326.56	3858025.86	2.64E+00	1.31E-03	8.33E-01	1.07E-01	3.58E+00	3.49E+00	1.25E+02	8.33E+00	5.45E-01	1.38E+02	3.38E+00	1.58E-03	8.33E-01	1.07E-01	4.33E+00
5448	489130.38	3858056.71	2.91E+00	1.38E-03	1.00E+00	1.21E-01	4.03E+00	3.84E+00	1.32E+02	1.00E+01	6.17E-01	1.47E+02	3.72E+00	1.67E-03	1.00E+00	1.21E-01	4.85E+00
5449	488936.49	3858143.93	3.06E+00	1.64E-03	1.33E+00	1.06E-01	4.50E+00	4.04E+00	1.57E+02	1.33E+01	5.43E-01	1.75E+02	3.92E+00	1.98E-03	1.33E+00	1.06E-01	5.36E+00
5450	488638.08	3858327.45	3.36E+00	1.83E-03	1.70E+00	8.68E-02	5.15E+00	4.44E+00	1.76E+02	1.70E+01	4.44E-01	1.98E+02	4.31E+00	2.22E-03	1.70E+00	8.68E-02	6.10E+00
5451	488663.79	3858349.57	3.33E+00	1.87E-03	1.52E+00	9.38E-02	4.94E+00	4.40E+00	1.79E+02	1.52E+01	4.79E-01	1.99E+02	4.27E+00	2.26E-03	1.52E+00	9.38E-02	5.88E+00
5452	488694.56	3858349.5	3.30E+00	1.88E-03	1.56E+00	9.56E-02	4.95E+00	4.36E+00	1.80E+02	1.56E+01	4.88E-01	2.00E+02	4.23E+00	2.27E-03	1.56E+00	9.56E-02	5.88E+00
5453	488694.35	3858336.75	3.29E+00	1.86E-03	1.64E+00	9.50E-02	5.03E+00	4.35E+00	1.78E+02	1.64E+01	4.86E-01	2.00E+02	4.22E+00	2.25E-03	1.64E+00	9.50E-02	5.96E+00
5454	488712.81	3858336.38	3.26E+00	1.86E-03	1.62E+00	9.67E-02	4.97E+00	4.30E+00	1.78E+02	1.62E+01	4.94E-01	1.99E+02	4.18E+00	2.25E-03	1.62E+00	9.67E-02	5.89E+00
5455	488713.23	3858367.46	3.27E+00	1.90E-03	1.43E+00	9.78E-02	4.80E+00	4.32E+00	1.83E+02	1.43E+01	4.99E-01	2.02E+02	4.19E+00	2.31E-03	1.43E+00	9.78E-02	5.72E+00
5456	488704.63	3858384.05	3.27E+00	1.93E-03	1.27E+00	9.77E-02	4.63E+00	4.31E+00	1.85E+02	1.27E+01	4.99E-01	2.03E+02	4.19E+00	2.34E-03	1.27E+00	9.77E-02	5.55E+00
5457	488604.15	3858488.29	3.36E+00	2.09E-03	1.17E+00	9.93E-02	4.62E+00	4.44E+00	2.00E+02	1.17E+01	5.07E-01	2.17E+02	4.30E+00	2.53E-03	1.17E+00	9.93E-02	5.57E+00
5458	488605.66	3858550.47	3.27E+00	2.22E-03	9.35E-01	9.47E-02	4.30E+00	4.32E+00	2.13E+02	9.35E+00	4.84E-01	2.27E+02	4.19E+00	2.69E-03	9.35E-01	9.47E-02	5.23E+00
5459	488692.68	3858548.71	3.22E+00	2.20E-03	9.01E-01	1.01E-01	4.22E+00	4.25E+00	2.11E+02	9.01E+00	5.15E-01	2.25E+02	4.13E+00	2.67E-03	9.01E-01	1.01E-01	5.13E+00
5460	488759.93	3858461.81	3.12E+00	2.02E-03	9.95E-01	1.09E-01	4.23E+00	4.13E+00	1.93E+02	9.95E+00	5.59E-01	2.08E+02	4.01E+00	2.44E-03	9.95E-01	1.09E-01	5.11E+00
5461	488816.57	3858541.79	3.01E+00	2.06E-03	8.68E-01	1.31E-01	4.01E+00	3.97E+00	1.98E+02	8.68E+00	6.70E-01	2.11E+02	3.85E+00	2.50E-03	8.68E-01	1.31E-01	4.86E+00
5462	488944.63	3858656.77	2.87E+00	2.01E-03	6.91E-01	1.30E-01	3.69E+00	3.79E+00	1.93E+02	6.91E+00	6.62E-01	2.04E+02	3.68E+00	2.44E-03	6.91E-01	1.30E-01	4.50E+00
5463	489134.91	3858830.7	2.67E+00	1.70E-03	6.63E-01	9.79E-02	3.43E+00	3.53E+00	1.63E+02	6.63E+00	5.00E-01	1.74E+02	3.43E+00	2.06E-03	6.63E-01	9.79E-02	4.19E+00
5464	489193.99	3858886.05	2.61E+00	1.79E-03	6.49E-01	8.57E-02	3.35E+00	3.45E+00	1.72E+02	6.49E+00	4.38E-01	1.82E+02	3.35E+00	2.17E-03	6.49E-01	8.57E-02	4.09E+00
5465	489295.2	3858954.34	2.51E+00	1.84E-03	6.30E-01	8.42E-02	3.23E+00	3.32E+00	1.76E+02	6.30E+00	4.30E-01	1.86E+02	3.22E+00	2.22E-03	6.30E-01	8.42E-02	3.94E+00
5466	489295.64	3858992.74	2.51E+00	1.87E-03	6.16E-01	7.39E-02	3.20E+00	3.31E+00	1.80E+02	6.16E+00	3.77E-01	1.90E+02	3.21E+00	2.27E-03	6.16E-01	7.39E-02	3.91E+00
5467	489183.74	3858911.72	2.61E+00	1.86E-03	6.37E-01	8.89E-02	3.34E+00	3.45E+00	1.78E+02	6.37E+00	4.54E-01	1.89E+02	3.35E+00	2.25E-03	6.37E-01	8.89E-02	4.08E+00
5468	488873.37	3858625.59	2.97E+00	2.06E-03	7.11E-01	1.22E-01	3.80E+00	3.92E+00	1.97E+02	7.11E+00	6.23E-01	2.09E+02	3.80E+00	2.49E-03	7.11E-01	1.22E-01	4.64E+00
5469	488842.84	3858658.69	3.01E+00	2.14E-03	6.56E-01	1.21E-01	3.79E+00	3.98E+00	2.06E+02	6.56E+00	6.18E-01	2.17E+02	3.86E+00	2.60E-03	6.56E-01	1.21E-01	4.64E+00
5470	488856.39	3858670.93	3.00E+00	2.14E-03	6.57E-01	1.21E-01	3.78E+00	3.96E+00	2.06E+02	6.57E+00	6.16E-01	2.17E+02	3.85E+00	2.60E-03	6.57E-01	1.21E-01	4.63E+00
5471	488805.7	3858724.5	2.99E+00	2.28E-03	5.72E-01	1.19E-01	3.68E+00	3.95E+00	2.19E+02	5.72E+00	6.06E-01	2.29E+02	3.83E+00	2.76E-03	5.72E-01	1.19E-01	4.53E+00
5472	488805.87	3858804.16	2.83E+00	2.43E-03	4.59E-01	1.17E-01	3.40E+00	3.73E+00	2.33E+02	4.59E+00	5.98E-01	2.42E+02	3.62E+00	2.95E-03	4.59E-01	1.17E-01	4.20E+00
5473	488995.78	3858936.96	2.63E+00	2.16E-03	4.95E-01	1.32E-01	3.26E+00	3.48E+00	2.07E+02	4.95E+00	6.75E-01	2.17E+02	3.37E+00	2.62E-03	4.95E-01	1.32E-01	4.00E+00
5474	489130.76	3859017.38	2.60E+00	2.11E-03	5.23E-01	9.71E-02	3.22E+00	3.43E+00	2.02E+02	5.23E+00	4.96E-01	2.11E+02	3.33E+00	2.55E-03	5.23E-01	9.71E-02	3.95E+00
5475	489130.92	3859052.24	2.51E+00	2.20E-03	4.87E-01	8.89E-02	3.09E+00	3.31E+00	2.11E+02	4.87E+00	4.54E-01	2.20E+02	3.22E+00	2.67E-03	4.87E-01	8.89E-02	3.79E+00
5476	489200.33	3859090.6	2.50E+00	2.17E-03	5.00E-01	8.14E-02	3.08E+00	3.30E+00	2.08E+02	5.00E+00	4.16E-01	2.16E+02	3.20E+00	2.62E-03	5.00E-01	8.14E-02	3.79E+00
5477	489296.07	3859143.7	2.47E+00	2.10E-03	5.10E-01	8.47E-02	3.06E+00	3.26E+00	2.01E+02	5.10E+00	4.33E-01	2.10E+02	3.16E+00	2.54E-03	5.10E-01	8.47E-02	3.76E+00
5478	489296.43	3858954.74	2.51E+00	1.84E-03	6.30E-01	8.40E-02	3.23E+00	3.32E+00	1.76E+02	6.30E+00	4.29E-01	1.86E+02	3.22E+00	2.22E-03	6.30E-01	8.40E-02	3.94E+00
5479	489410.33	3859033.19	2.40E+00	1.78E-03	6.07E-01	8.32E-02	3.09E+00	3.17E+00	1.71E+02	6.07E+00	4.25E-01	1.81E+02	3.08E+00	2.16E-03	6.07E-01	8.32E-02	3.77E+00
5480	489371.37	3859089.8	2.45E+00	1.96E-03	5.81E-01	8.51E-02	3.12E+00	3.24E+00	1.88E+02	5.81E+00	4.35E-01	1.98E+02	3.15E+00	2.38E-03	5.81E-01	8.51E-02	3.82E+00
5481	489390.52	3859102.82	2.44E+00	1.96E-03	5.79E-01	8.66E-02	3.10E+00	3.22E+00	1.88E+02	5.79E+00	4.43E-01	1.97E+02	3.12E+00	2.37E-03	5.79E-01	8.66E-02	3.79E+00
5482	489382.3	3859114.53	2.46E+00	1.98E-03	5.70E-01	8.70E-02	3.11E+00	3.24E+00	1.90E+02	5.70E+00	4.44E-01	1.99E+02	3.15E+00	2.39E-03	5.70E-01	8.70E-02	3.81E+00
5483	489363.04	3859102.45	2.48E+00	1.98E-03	5.72E-01	8.56E-02	3.13E+00	3.27E+00	1.90E+02	5.72E+00	4.37E-01	2.00E+02	3.17E+00	2.40E-03	5.72E-01	8.56E-02	3.83E+00
5484	489337.52	3859140.71	2.48E+00	2.05E-03	5.35E-01	8.68E-02	3.10E+00	3.28E+00	1.97E+02	5.35E+00	4.43E-01	2.06E+02	3.18E+00	2.48E-03	5.35E-01	8.68E-02	3.80E+00
5485	489375.14	3859164.55	2.45E+00	2.02E-03	5.33E-01	8.84E-02	3.08E+00	3.24E+00	1.94E+02	5.33E+00	4.52E-01	2.03E+02	3.14E+00	2.45E-03	5.33E-01	8.84E-02	3.77E+00
5486	489409.3	3859114.5	2.42E+00	1.95E-03	5.77E-01	8.75E-02	3.08E+00	3.19E+00	1.87E+02	5.77E+00	4.47E-01	1.97E+02	3.10E+00	2.36E-03	5.77E-01	8.75E-02	3.76E+00

5487	489434.87	3859131.81	2.39E+00	1.94E-03	5.73E-01	8.80E-02	3.05E+00	3.16E+00	1.86E+02	5.73E+00	4.49E-01	1.95E+02	3.06E+00	2.35E-03	5.73E-01	8.80E-02	3.73E+00
5488	489471.87	3859075.75	2.35E+00	1.82E-03	5.95E-01	8.72E-02	3.03E+00	3.10E+00	1.75E+02	5.95E+00	4.46E-01	1.84E+02	3.01E+00	2.21E-03	5.95E-01	8.72E-02	3.69E+00
5489	489602.62	3859164.69	2.23E+00	1.80E-03	5.70E-01	7.79E-02	2.88E+00	2.94E+00	1.73E+02	5.70E+00	3.98E-01	1.82E+02	2.86E+00	2.18E-03	5.70E-01	7.79E-02	3.51E+00
5490	489558.29	3859232.45	2.29E+00	1.88E-03	5.48E-01	7.71E-02	2.91E+00	3.02E+00	1.80E+02	5.48E+00	3.94E-01	1.89E+02	2.93E+00	2.28E-03	5.48E-01	7.71E-02	3.56E+00
5491	489620.11	3859273.56	2.23E+00	1.86E-03	5.39E-01	6.92E-02	2.84E+00	2.94E+00	1.78E+02	5.39E+00	3.54E-01	1.87E+02	2.85E+00	2.25E-03	5.39E-01	6.92E-02	3.46E+00
5492	489666.06	3859206.42	2.17E+00	1.78E-03	5.58E-01	6.46E-02	2.79E+00	2.87E+00	1.71E+02	5.58E+00	3.30E-01	1.80E+02	2.78E+00	2.16E-03	5.58E-01	6.46E-02	3.41E+00
5493	489787.9	3859285.65	2.07E+00	1.74E-03	5.36E-01	7.13E-02	2.68E+00	2.74E+00	1.67E+02	5.36E+00	3.64E-01	1.76E+02	2.66E+00	2.11E-03	5.36E-01	7.13E-02	3.27E+00
5494	489752.17	3859343.13	2.13E+00	1.78E-03	5.27E-01	7.42E-02	2.74E+00	2.82E+00	1.71E+02	5.27E+00	3.79E-01	1.80E+02	2.73E+00	2.16E-03	5.27E-01	7.42E-02	3.34E+00
5495	489814.94	3859385.33	2.09E+00	1.75E-03	5.18E-01	7.63E-02	2.68E+00	2.76E+00	1.68E+02	5.18E+00	3.90E-01	1.76E+02	2.68E+00	2.12E-03	5.18E-01	7.63E-02	3.27E+00
5496	489853.42	3859330.74	2.04E+00	1.72E-03	5.25E-01	7.50E-02	2.64E+00	2.69E+00	1.65E+02	5.25E+00	3.83E-01	1.73E+02	2.61E+00	2.08E-03	5.25E-01	7.50E-02	3.21E+00
5497	489969.5	3859401.91	2.00E+00	1.66E-03	5.06E-01	7.40E-02	2.58E+00	2.64E+00	1.59E+02	5.06E+00	3.78E-01	1.68E+02	2.56E+00	2.01E-03	5.06E-01	7.40E-02	3.14E+00
5498	490166.91	3859486.96	1.94E+00	1.58E-03	4.70E-01	7.76E-02	2.49E+00	2.57E+00	1.52E+02	4.70E+00	3.96E-01	1.59E+02	2.49E+00	1.92E-03	4.70E-01	7.76E-02	3.04E+00
5499	490128.86	3859571.46	1.85E+00	1.56E-03	4.74E-01	8.04E-02	2.40E+00	2.44E+00	1.50E+02	4.74E+00	4.11E-01	1.57E+02	2.37E+00	1.89E-03	4.74E-01	8.04E-02	2.92E+00
5500	490186.65	3859593.65	1.81E+00	1.52E-03	4.68E-01	8.22E-02	2.36E+00	2.39E+00	1.46E+02	4.68E+00	4.20E-01	1.53E+02	2.32E+00	1.84E-03	4.68E-01	8.22E-02	2.87E+00
5501	490223.74	3859517.48	1.92E+00	1.55E-03	4.61E-01	8.02E-02	2.46E+00	2.53E+00	1.48E+02	4.61E+00	4.10E-01	1.56E+02	2.46E+00	1.88E-03	4.61E-01	8.02E-02	3.00E+00
5502	490846.34	3859817.22	1.65E+00	1.27E-03	4.49E-01	8.08E-02	2.18E+00	2.18E+00	1.22E+02	4.49E+00	4.13E-01	1.29E+02	2.11E+00	1.54E-03	4.49E-01	8.08E-02	2.64E+00
5503	490925.65	3859844.59	1.61E+00	1.24E-03	4.54E-01	7.88E-02	2.15E+00	2.13E+00	1.19E+02	4.54E+00	4.03E-01	1.26E+02	2.07E+00	1.50E-03	4.54E-01	7.88E-02	2.60E+00
5504	491159.29	3859896.28	1.46E+00	1.19E-03	4.69E-01	7.50E-02	2.01E+00	1.93E+00	1.14E+02	4.69E+00	3.83E-01	1.21E+02	1.88E+00	1.45E-03	4.69E-01	7.50E-02	2.42E+00
5505	491370.69	3859960.89	1.42E+00	1.14E-03	4.57E-01	7.03E-02	1.95E+00	1.88E+00	1.10E+02	4.57E+00	3.59E-01	1.16E+02	1.83E+00	1.38E-03	4.57E-01	7.03E-02	2.35E+00
5506	491330.28	3860063.17	1.37E+00	1.14E-03	4.18E-01	7.94E-02	1.87E+00	1.81E+00	1.09E+02	4.18E+00	4.06E-01	1.15E+02	1.76E+00	1.38E-03	4.18E-01	7.94E-02	2.26E+00
5507	491636.45	3860180.75	1.31E+00	1.07E-03	4.17E-01	6.90E-02	1.79E+00	1.72E+00	1.03E+02	4.17E+00	3.52E-01	1.09E+02	1.67E+00	1.30E-03	4.17E-01	6.90E-02	2.16E+00
5508	491617.94	3860203.93	1.28E+00	1.07E-03	4.07E-01	6.93E-02	1.76E+00	1.69E+00	1.03E+02	4.07E+00	3.54E-01	1.09E+02	1.64E+00	1.30E-03	4.07E-01	6.93E-02	2.12E+00
5509	491805.68	3860271.59	1.26E+00	1.03E-03	4.05E-01	6.03E-02	1.73E+00	1.67E+00	9.91E+01	4.05E+00	3.08E-01	1.05E+02	1.62E+00	1.25E-03	4.05E-01	6.03E-02	2.09E+00
5510	491654.23	3860414.02	1.30E+00	1.15E-03	3.27E-01	6.12E-02	1.69E+00	1.72E+00	1.11E+02	3.27E+00	3.13E-01	1.16E+02	1.67E+00	1.40E-03	3.27E-01	6.12E-02	2.06E+00
5511	491592.62	3860510.76	1.29E+00	1.22E-03	3.24E-01	6.29E-02	1.68E+00	1.71E+00	1.17E+02	3.24E+00	3.21E-01	1.22E+02	1.66E+00	1.48E-03	3.24E-01	6.29E-02	2.04E+00
5512	491475.41	3860368.93	1.31E+00	1.21E-03	3.28E-01	6.10E-02	1.70E+00	1.74E+00	1.16E+02	3.28E+00	3.12E-01	1.21E+02	1.69E+00	1.46E-03	3.28E-01	6.10E-02	2.08E+00
5513	491445.61	3860337.28	1.32E+00	1.20E-03	3.28E-01	6.07E-02	1.71E+00	1.75E+00	1.15E+02	3.28E+00	3.10E-01	1.21E+02	1.69E+00	1.46E-03	3.28E-01	6.07E-02	2.08E+00
5514	491399.05	3860300.37	1.34E+00	1.20E-03	3.30E-01	6.05E-02	1.73E+00	1.77E+00	1.15E+02	3.30E+00	3.09E-01	1.21E+02	1.72E+00	1.46E-03	3.30E-01	6.05E-02	2.11E+00
5515	491228.84	3860235.98	1.41E+00	1.25E-03	3.42E-01	7.52E-02	1.83E+00	1.86E+00	1.20E+02	3.42E+00	3.84E-01	1.26E+02	1.81E+00	1.52E-03	3.42E-01	7.52E-02	2.23E+00
5516	491228.47	3860174.57	1.41E+00	1.20E-03	3.37E-01	8.17E-02	1.83E+00	1.86E+00	1.15E+02	3.37E+00	4.17E-01	1.21E+02	1.80E+00	1.45E-03	3.37E-01	8.17E-02	2.22E+00
5517	491145.77	3860112.55	1.45E+00	1.19E-03	3.46E-01	8.93E-02	1.88E+00	1.91E+00	1.15E+02	3.46E+00	4.56E-01	1.20E+02	1.85E+00	1.45E-03	3.46E-01	8.93E-02	2.29E+00
5518	490844.41	3859966.22	1.61E+00	1.28E-03	3.88E-01	9.79E-02	2.10E+00	2.13E+00	1.22E+02	3.88E+00	5.00E-01	1.29E+02	2.06E+00	1.55E-03	3.88E-01	9.79E-02	2.55E+00
5519	490845.55	3859928.15	1.61E+00	1.27E-03	3.84E-01	8.99E-02	2.09E+00	2.13E+00	1.21E+02	3.84E+00	4.59E-01	1.28E+02	2.07E+00	1.53E-03	3.84E-01	8.99E-02	2.54E+00
5520	490046.91	3859625.6	1.91E+00	1.60E-03	4.60E-01	8.01E-02	2.46E+00	2.53E+00	1.54E+02	4.60E+00	4.09E-01	1.61E+02	2.45E+00	1.94E-03	4.60E-01	8.01E-02	3.00E+00
5521	489970.48	3859589.4	1.99E+00	1.63E-03	4.63E-01	7.69E-02	2.53E+00	2.62E+00	1.57E+02	4.63E+00	3.93E-01	1.64E+02	2.55E+00	1.98E-03	4.63E-01	7.69E-02	3.09E+00
5522	489865.89	3859529.06	2.07E+00	1.70E-03	4.71E-01	7.43E-02	2.62E+00	2.74E+00	1.63E+02	4.71E+00	3.80E-01	1.70E+02	2.66E+00	2.05E-03	4.71E-01	7.43E-02	3.20E+00
5523	489826.89	3859531.74	2.10E+00	1.71E-03	4.60E-01	7.57E-02	2.63E+00	2.77E+00	1.64E+02	4.60E+00	3.86E-01	1.72E+02	2.69E+00	2.07E-03	4.60E-01	7.57E-02	3.23E+00
5524	489410.47	3859303.06	2.23E+00	2.05E-03	4.40E-01	8.60E-02	2.75E+00	2.94E+00	1.97E+02	4.40E+00	4.39E-01	2.04E+02	2.85E+00	2.48E-03	4.40E-01	8.60E-02	3.38E+00
5525	489407.15	3859286.09	2.26E+00	2.05E-03	4.52E-01	8.65E-02	2.81E+00	2.99E+00	1.97E+02	4.52E+00	4.42E-01	2.05E+02	2.90E+00	2.48E-03	4.52E-01	8.65E-02	3.44E+00
5526	488806.07	3858963.62	2.87E+00	2.71E-03	4.68E-01	1.39E-01	3.48E+00	3.80E+00	2.59E+02	4.68E+00	7.08E-01	2.69E+02	3.69E+00	3.28E-03	4.68E-01	1.39E-01	4.30E+00
5527	488817.64	3859546.3	2.17E+00	4.36E-03	3.88E-01	1.46E-01	2.71E+00	2.87E+00	4.18E+02	3.88E+00	7.46E-01	4.26E+02	2.78E+00	5.28E-03	3.88E-01	1.46E-01	3.32E+00
5528	489187.25	3859549.52	2.23E+00	2.98E-03	3.82E-01	9.50E-02	2.71E+00	2.95E+00	2.86E+02	3.82E+00	4.85E-01	2.93E+02	2.86E+00	3.61E-03	3.82E-01	9.50E-02	3.34E+00
5529	489187.66	3859523.74	2.22E+00	2.93E-03	3.84E-01	9.92E-02	2.70E+00	2.93E+00	2.81E+02	3.84E+00	5.07E-01	2.89E+02	2.84E+00	3.56E-03	3.84E-01	9.92E-02	3.33E+00
5530	489232.59	3859522.85	2.19E+00	2.82E-03	3.84E-01	9.32E-02	2.67E+00	2.90E+00	2.70E+02	3.84E+00	4.76E-01	2.77E+02	2.81E+00	3.41E-03	3.84E-01	9.32E-02	3.29E+00
5531	489224.98	3859759.91	2.09E+00	3.12E-03	3.86E-01	1.03E-01	2.58E+00	2.76E+00	2.99E+02	3.86E+00	5.27E-01	3.06E+02	2.68E+00	3.78E-03	3.86E-01	1.03E-01	3.17E+00
5532	488401.39	3859763.34	2.54E+00	4.28E-03	2.93E-01	1.67E-01	3.00E+00	3.35E+00	4.11E+02	2.93E+00	8.54E-01	4.18E+02	3.25E+00	5.19E-03	2.93E-01	1.67E-01	3.72E+00
5533	488405.51	3859966.16	2.62E+00	4.30E-03	3.20E-01	2.86E-01	3.23E+00	3.46E+00	4.13E+02	3.20E+00	1.46E+00	4.21E+02	3.36E+00	5.21E-03	3.20E-01	2.86E-01	3.97E+00
5534	489202.85	3859956.57	1.84E+00	2.57E-03	3.64E-01	2.33E-01	2.44E+00	2.43E+00	2.47E+02	3.64E+00	1.19E+00	2.54E+02	2.36E+00	3.12E-03	3.64E-01	2.33E-01	2.96E+00
5535	489191.9	3860676.74	1.44E+00	3.89E-03	3.13E-01	1.94E-01	1.95E+00	1.90E+00	3.73E+02	3.13E+00	9.92E-01	3.79E+02	1.85E+00	4.71E-03	3.13E-01	1.94E-01	2.36E+00
5536	488392.82	3860687.88	1.86E+00	4.75E-03	3.34E-01	1.79E-01	2.38E+00	2.45E+00	4.55E+02	3.34E+00	9.15E-01	4.62E+02	2.38E+00	5.75E-03	3.34E-01	1.79E-01	2.90E+00
5537	488392.82	3860760.27	1.75E+00	4.41E-03	3.34E-01	1.72E-01	2.27E+00	2.32E+00	4.23E+02	3.34E+00	8.79E-01	4.30E+02	2.25E+00	5.34E-03	3.34E-01	1.72E-01	2.76E+00
5538	487549.05	3860777.45	1.03E+00	2.12E-03	5.26E-01	1.68E-01	1.72E+00	1.36E+00	2.04E+02	5.26E+00	8.57E-01	2.11E+02	1.32E+00	2.57E-03	5.26E-01	1.68E-01	2.01E+00
5539	487554.62	3859571.83	1.86E+00	3.88E-03	2.25E-01	3.87E-01	2.47E+00	2.45E+00	3.72E+02	2.25E+00	1.98E+00	3.79E+02	2.38E+00	4.70E-03	2.25E-01	3.87E-01	2.99E+00
5540	485949.46	3859558.54	8.70E-01	1.83E-03	3.63E-01	2.28E-01	1.46E+00	1.15E+00	1.75E+02	3.63E+00	1.16E+00	1.81E+02	1.12E+00	2.22E-03	3.63E-01	2.28E-01	1.71E+00
5541	485947.55	3857943.61	1.44E+00	3.52E-03	6.75E-01	9.10E-02	2.21E+00	1.90E+00	3.37E+02	6.75E+00	4.65E-01	3.47E+02	1.85E+00	4.26E-03	6.75E-01	9.10E-02	2.62E+00
5542	484738.38	3857940.21	9.61E-01	2.97E-03	5.18E-01	1.12E-01	1.59E+00	1.27E+00	2.85E+02	5.18E+00	5.72E-01	2.92E+02	1.23E+00	3.60E-03	5.18E-01	1.12E-01	1.87E+00
5543	484737.06	3857535.68	1.09E+00	3.42E-03	3.87E-01	1.44E-01	1.63E+00	1.45E+00	3.28E+02	3.87E+00	7.37E-01	3.34E+02	1.40E+00	4.14E-03	3.87E-01	1.44E-01	1.94E+00
5544	483730.2	3857530.13	9.89E-01	1.37E-03	3.88E-01	2.39E-01	1.62E+00	1.31E+00	1.31E+02	3.88E+00	1.22E+00	1.38E+02	1.27E+00	1.66E-03	3.88E-01	2.39E-01	1.90E+00
5545	483727.27	3857130.01	1.20E+00	2.28E-03	3.40E-01	2.73E-01	1.82E+00	1.59E+00	2.18E+02	3.40E+00	1.39E+00	2.25E+02	1.54E+00	2.76E-03	3.40E-01	2.73E-01	2.16E+00
5546	483124.42	3857123.45	1.11E+00	1.58E-03	3.11E-01	1.34E-01	1.56E+00	1.47E+00	1.51E+02	3.11E+00	6.83E-01	1.56E+02	1.43E+00	1.91E-03	3.11E-01	1.34E-01	1.87E+00
5547	483111.13	3855921.03	1.53E+00	4.17E-03	3.70E-01	1.48E-01	2.05E+00	2.02E+00	4.00E+02	3.70E+00	7.56E-01	4.07E+02	1.96E+00	5.05E-03	3.70E-01	1.48E-01	2.49E+00

5548	482701.73	3855918.24	1.41E+00	3.32E-03	3.41E-01	1.12E-01	1.86E+00	1.86E+00	3.18E+02	3.41E+00	5.72E-01	3.24E+02	1.80E+00	4.02E-03	3.41E-01	1.12E-01	2.26E+00
5549	482668.02	3853521.78	3.86E+00	1.13E-03	2.55E-01	9.67E-02	4.21E+00	5.10E+00	1.08E+02	2.55E+00	4.94E-01	1.17E+02	4.95E+00	1.37E-03	2.55E-01	9.67E-02	5.30E+00
5550	482579.91	3853219.19	3.27E+00	1.04E-03	2.35E-01	7.56E-02	3.58E+00	4.32E+00	9.94E+01	2.35E+00	3.86E-01	1.06E+02	4.19E+00	1.26E-03	2.35E-01	7.56E-02	4.50E+00
5551	482434.06	3852961.94	3.11E+00	1.02E-03	2.16E-01	6.44E-02	3.39E+00	4.10E+00	9.75E+01	2.16E+00	3.29E-01	1.04E+02	3.98E+00	1.23E-03	2.16E-01	6.44E-02	4.26E+00
5552	482332.11	3852832.85	2.99E+00	9.99E-04	2.09E-01	6.05E-02	3.26E+00	3.95E+00	9.58E+01	2.09E+00	3.09E-01	1.02E+02	3.83E+00	1.21E-03	2.09E-01	6.05E-02	4.10E+00
5553	481334.99	3851818.96	2.16E+00	7.86E-04	1.70E-01	3.62E-02	2.37E+00	2.85E+00	7.54E+01	1.70E+00	1.85E-01	8.01E+01	2.77E+00	9.52E-04	1.70E-01	3.62E-02	2.98E+00
5554	481127.62	3851646.36	2.06E+00	7.45E-04	1.67E-01	3.69E-02	2.26E+00	2.72E+00	7.14E+01	1.67E+00	1.89E-01	7.60E+01	2.64E+00	9.03E-04	1.67E-01	3.69E-02	2.84E+00
5555	481025.04	3851591.73	2.01E+00	7.77E-04	1.69E-01	3.74E-02	2.22E+00	2.65E+00	7.45E+01	1.69E+00	1.91E-01	7.91E+01	2.58E+00	9.42E-04	1.69E-01	3.74E-02	2.78E+00
5556	480513.6	3851335.76	1.68E+00	8.55E-04	1.75E-01	4.09E-02	1.89E+00	2.22E+00	8.20E+01	1.75E+00	2.09E-01	8.62E+01	2.15E+00	1.04E-03	1.75E-01	4.09E-02	2.37E+00
5557	480523.56	3851317.66	1.70E+00	8.60E-04	1.73E-01	4.12E-02	1.92E+00	2.25E+00	8.25E+01	1.73E+00	2.11E-01	8.67E+01	2.18E+00	1.04E-03	1.73E-01	4.12E-02	2.40E+00
5558	476921.56	3849569.11	1.03E+00	8.74E-04	1.37E-01	5.32E-02	1.22E+00	1.36E+00	8.38E+01	1.37E+00	2.72E-01	8.68E+01	1.32E+00	1.06E-03	1.37E-01	5.32E-02	1.51E+00
5559	476521.19	3849373.96	1.02E+00	7.91E-04	1.29E-01	5.52E-02	1.21E+00	1.35E+00	7.59E+01	1.29E+00	2.82E-01	7.88E+01	1.31E+00	9.59E-04	1.29E-01	5.52E-02	1.50E+00
5560	476391.45	3849333.38	1.01E+00	8.62E-04	1.26E-01	5.62E-02	1.19E+00	1.33E+00	8.26E+01	1.26E+00	2.87E-01	8.55E+01	1.29E+00	1.04E-03	1.26E-01	5.62E-02	1.48E+00
5561	476219.41	3849304.29	1.09E+00	9.71E-04	1.20E-01	5.79E-02	1.27E+00	1.45E+00	9.31E+01	1.20E+00	2.96E-01	9.60E+01	1.40E+00	1.18E-03	1.20E-01	5.79E-02	1.58E+00
5562	475679.11	3849218.47	1.00E+00	1.00E-03	1.01E-01	6.06E-02	1.17E+00	1.33E+00	9.63E+01	1.01E+00	3.09E-01	9.89E+01	1.29E+00	1.22E-03	1.01E-01	6.06E-02	1.45E+00
5563	475677.71	3849233.88	9.81E-01	1.01E-03	1.00E-01	6.07E-02	1.14E+00	1.30E+00	9.65E+01	1.00E+00	3.10E-01	9.91E+01	1.26E+00	1.22E-03	1.00E-01	6.07E-02	1.42E+00
5564	475492.74	3849204.66	9.64E-01	7.32E-04	9.37E-02	6.06E-02	1.12E+00	1.27E+00	7.02E+01	9.37E-01	3.10E-01	7.27E+01	1.24E+00	8.87E-04	9.37E-02	6.06E-02	1.39E+00
5565	475497.64	3849158.75	9.12E-01	8.27E-04	9.62E-02	6.03E-02	1.07E+00	1.20E+00	7.93E+01	9.62E-01	3.08E-01	8.18E+01	1.17E+00	1.00E-03	9.62E-02	6.03E-02	1.33E+00
5566	475391.35	3849141.94	9.98E-01	8.43E-04	9.27E-02	6.03E-02	1.15E+00	1.32E+00	8.08E+01	9.27E-01	3.08E-01	8.34E+01	1.28E+00	1.02E-03	9.27E-02	6.03E-02	1.43E+00
5567	475277	3849095.47	1.02E+00	8.17E-04	9.02E-02	5.99E-02	1.17E+00	1.35E+00	7.83E+01	9.02E-01	3.06E-01	8.09E+01	1.31E+00	9.89E-04	9.02E-02	5.99E-02	1.46E+00
5568	475183.93	3849025.66	1.00E+00	7.98E-04	8.97E-02	5.95E-02	1.15E+00	1.32E+00	7.65E+01	8.97E-01	3.04E-01	7.91E+01	1.28E+00	9.67E-04	8.97E-02	5.95E-02	1.43E+00
5569	474453.23	3848378.77	8.85E-01	7.52E-04	9.02E-02	5.61E-02	1.03E+00	1.17E+00	7.21E+01	9.02E-01	2.87E-01	7.45E+01	1.14E+00	9.11E-04	9.02E-02	5.61E-02	1.28E+00
5570	474569.63	3848399.34	9.59E-01	7.86E-04	9.36E-02	5.62E-02	1.11E+00	1.27E+00	7.53E+01	9.36E-01	2.87E-01	7.78E+01	1.23E+00	9.52E-04	9.36E-02	5.62E-02	1.38E+00
5571	474644.33	3848464.52	9.54E-01	7.97E-04	9.37E-02	5.66E-02	1.10E+00	1.26E+00	7.65E+01	9.37E-01	2.89E-01	7.89E+01	1.22E+00	9.66E-04	9.37E-02	5.66E-02	1.37E+00
5572	474719.04	3848529.7	9.48E-01	8.04E-04	9.37E-02	5.69E-02	1.10E+00	1.25E+00	7.71E+01	9.37E-01	2.91E-01	7.96E+01	1.21E+00	9.74E-04	9.37E-02	5.69E-02	1.37E+00
5573	474793.74	3848594.88	9.39E-01	7.98E-04	9.38E-02	5.72E-02	1.09E+00	1.24E+00	7.65E+01	9.38E-01	2.92E-01	7.90E+01	1.20E+00	9.67E-04	9.38E-02	5.72E-02	1.36E+00
5574	474868.45	3848660.07	9.27E-01	7.82E-04	9.38E-02	5.76E-02	1.08E+00	1.22E+00	7.50E+01	9.38E-01	2.94E-01	7.74E+01	1.19E+00	9.47E-04	9.38E-02	5.76E-02	1.34E+00
5575	474943.15	3848725.25	9.14E-01	7.78E-04	9.38E-02	5.79E-02	1.07E+00	1.21E+00	7.46E+01	9.38E-01	2.96E-01	7.70E+01	1.17E+00	9.42E-04	9.38E-02	5.79E-02	1.32E+00
5576	475017.86	3848790.43	9.05E-01	7.91E-04	9.38E-02	5.83E-02	1.06E+00	1.20E+00	7.59E+01	9.38E-01	2.98E-01	7.83E+01	1.16E+00	9.59E-04	9.38E-02	5.83E-02	1.31E+00
5577	475092.56	3848855.61	8.96E-01	8.12E-04	9.38E-02	5.86E-02	1.05E+00	1.18E+00	7.79E+01	9.38E-01	3.00E-01	8.03E+01	1.15E+00	9.84E-04	9.38E-02	5.86E-02	1.30E+00
5578	475232.58	3848959.38	9.02E-01	8.47E-04	9.47E-02	5.92E-02	1.06E+00	1.19E+00	8.13E+01	9.47E-01	3.03E-01	8.37E+01	1.16E+00	1.03E-03	9.47E-02	5.92E-02	1.31E+00
5579	475368.47	3849029.98	9.48E-01	8.69E-04	9.70E-02	5.96E-02	1.11E+00	1.25E+00	8.34E+01	9.70E-01	3.04E-01	8.59E+01	1.22E+00	1.05E-03	9.70E-02	5.96E-02	1.37E+00
5580	475609.57	3849096.09	1.09E+00	9.00E-04	1.04E-01	5.95E-02	1.26E+00	1.44E+00	8.63E+01	1.04E+00	3.04E-01	8.91E+01	1.40E+00	1.09E-03	1.04E-01	5.95E-02	1.57E+00
5581	475680.68	3849116.62	1.12E+00	9.45E-04	1.06E-01	5.94E-02	1.29E+00	1.49E+00	9.06E+01	1.06E+00	3.03E-01	9.35E+01	1.44E+00	1.14E-03	1.06E-01	5.94E-02	1.61E+00
5582	475843.76	3849151.52	1.16E+00	9.72E-04	1.11E-01	5.88E-02	1.33E+00	1.53E+00	9.32E+01	1.11E+00	3.01E-01	9.61E+01	1.49E+00	1.18E-03	1.11E-01	5.88E-02	1.66E+00
5583	475935.73	3849165.89	1.13E+00	9.86E-04	1.14E-01	5.83E-02	1.31E+00	1.50E+00	9.45E+01	1.14E+00	2.98E-01	9.75E+01	1.45E+00	1.19E-03	1.14E-01	5.83E-02	1.63E+00
5584	476027.71	3849180.27	1.09E+00	9.75E-04	1.17E-01	5.77E-02	1.27E+00	1.44E+00	9.35E+01	1.17E+00	2.95E-01	9.64E+01	1.40E+00	1.18E-03	1.17E-01	5.77E-02	1.58E+00
5585	476119.68	3849194.64	1.08E+00	9.00E-04	1.20E-01	5.69E-02	1.26E+00	1.42E+00	8.63E+01	1.20E+00	2.90E-01	8.93E+01	1.38E+00	1.09E-03	1.20E-01	5.69E-02	1.56E+00
5586	476211.65	3849209.01	1.03E+00	8.40E-04	1.23E-01	5.60E-02	1.21E+00	1.36E+00	8.05E+01	1.23E+00	2.86E-01	8.34E+01	1.32E+00	1.02E-03	1.23E-01	5.60E-02	1.50E+00
5587	476497.81	3849283.9	1.03E+00	7.30E-04	1.31E-01	5.33E-02	1.21E+00	1.36E+00	7.00E+01	1.31E+00	2.72E-01	7.29E+01	1.32E+00	8.84E-04	1.31E-01	5.33E-02	1.50E+00
5588	476603.73	3849323.77	1.07E+00	7.57E-04	1.34E-01	5.25E-02	1.25E+00	1.41E+00	7.26E+01	1.34E+00	2.68E-01	7.56E+01	1.37E+00	9.17E-04	1.34E-01	5.25E-02	1.56E+00
5589	476728.99	3849382.76	1.10E+00	7.69E-04	1.36E-01	5.18E-02	1.29E+00	1.46E+00	7.37E+01	1.36E+00	2.64E-01	7.68E+01	1.42E+00	9.31E-04	1.36E-01	5.18E-02	1.60E+00
5590	476801.27	3849418.65	1.12E+00	7.81E-04	1.37E-01	5.13E-02	1.31E+00	1.47E+00	7.49E+01	1.37E+00	2.62E-01	7.80E+01	1.43E+00	9.46E-04	1.37E-01	5.13E-02	1.62E+00
5591	476956.2	3849495.05	1.13E+00	8.39E-04	1.40E-01	5.04E-02	1.32E+00	1.49E+00	8.04E+01	1.40E+00	2.57E-01	8.36E+01	1.45E+00	1.02E-03	1.40E-01	5.04E-02	1.64E+00
5592	477038.84	3849535.56	1.15E+00	8.41E-04	1.42E-01	4.98E-02	1.34E+00	1.52E+00	8.07E+01	1.42E+00	2.54E-01	8.39E+01	1.47E+00	1.02E-03	1.42E-01	4.98E-02	1.67E+00
5593	477121.49	3849576.08	1.15E+00	8.58E-04	1.43E-01	4.92E-02	1.34E+00	1.52E+00	8.23E+01	1.43E+00	2.51E-01	8.55E+01	1.48E+00	1.04E-03	1.43E-01	4.92E-02	1.67E+00
5594	477204.13	3849616.6	1.16E+00	8.46E-04	1.45E-01	4.86E-02	1.35E+00	1.53E+00	8.12E+01	1.45E+00	2.48E-01	8.44E+01	1.49E+00	1.03E-03	1.45E-01	4.86E-02	1.68E+00
5595	477286.78	3849657.12	1.20E+00	8.02E-04	1.46E-01	4.79E-02	1.40E+00	1.59E+00	7.69E+01	1.46E+00	2.45E-01	8.02E+01	1.54E+00	9.72E-04	1.46E-01	4.79E-02	1.73E+00
5596	477369.42	3849697.63	1.15E+00	8.85E-04	1.47E-01	4.73E-02	1.35E+00	1.52E+00	8.49E+01	1.47E+00	2.42E-01	8.81E+01	1.48E+00	1.07E-03	1.47E-01	4.73E-02	1.67E+00
5597	477452.07	3849738.15	1.15E+00	8.99E-04	1.49E-01	4.66E-02	1.35E+00	1.52E+00	8.62E+01	1.49E+00	2.38E-01	8.94E+01	1.48E+00	1.09E-03	1.49E-01	4.66E-02	1.67E+00
5598	477534.71	3849778.67	1.11E+00	9.49E-04	1.50E-01	4.59E-02	1.30E+00	1.46E+00	9.10E+01	1.50E+00	2.35E-01	9.42E+01	1.42E+00	1.15E-03	1.50E-01	4.59E-02	1.62E+00
5599	477617.36	3849819.18	1.10E+00	9.51E-04	1.52E-01	4.52E-02	1.29E+00	1.45E+00	9.12E+01	1.52E+00	2.31E-01	9.44E+01	1.41E+00	1.15E-03	1.52E-01	4.52E-02	1.60E+00
5600	477824.74	3849896.37	1.10E+00	9.50E-04	1.55E-01	4.25E-02	1.30E+00	1.46E+00	9.11E+01	1.55E+00	2.17E-01	9.43E+01	1.42E+00	1.15E-03	1.55E-01	4.25E-02	1.61E+00
5601	477906.31	3849936.37	1.18E+00	9.11E-04	1.56E-01	4.16E-02	1.37E+00	1.55E+00	8.73E+01	1.56E+00	2.13E-01	9.07E+01	1.51E+00	1.10E-03	1.56E-01	4.16E-02	1.71E+00
5602	477987.89	3849976.36	1.16E+00	9.55E-04	1.58E-01	4.08E-02	1.36E+00	1.53E+00	9.15E+01	1.58E+00	2.09E-01	9.49E+01	1.48E+00	1.16E-03	1.58E-01	4.08E-02	1.68E+00
5603	478069.47	3850016.36	1.19E+00	9.55E-04	1.59E-01	4.00E-02	1.39E+00	1.57E+00	9.16E+01	1.59E+00	2.04E-01	9.49E+01	1.52E+00	1.16E-03	1.59E-01	4.00E-02	1.72E+00
5604	478151.04	3850056.35	1.20E+00	9.52E-04	1.60E-01	3.91E-02	1.40E+00	1.59E+00	9.13E+01	1.60E+00	2.00E-01	9.47E+01	1.54E+00	1.15E-03	1.60E-01	3.91E-02	1.74E+00
5605	478232.62	3850096.35	1.18E+00	9.72E-04	1.61E-01	3.83E-02	1.38E+00	1.56E+00	9.32E+01	1.61E+00	1.95E-01	9.66E+01	1.51E+00	1.18E-03	1.61E-01	3.83E-02	1.71E+00
5606	478314.2	3850136.34	1.25E+00	9.91E-04	1.62E-01	3.74E-02	1.45E+00	1.65E+00	9.50E+01	1.62E+00	1.91E-01	9.85E+01	1.60E+00	1.20E-03	1.62E-01	3.74E-02	1.80E+00
5607	478395.77	3850176.34	1.32E+00	1.01E-03	1.63E-01	3.65E-02	1.52E+00	1.74E+00	9.65E+01	1.63E+00	1.87E-01	1.00E+02	1.69E+00	1.22E-03	1.63E-01	3.65E-02	1.89E+00
5608	478575.43	3850244.45	1.49E+00	1.02E-03	1.65E-01	3.91E-02	1.69E+00	1.96E+00	9.77E+01	1.65E+00	2.00E-01	1.02E+02	1.90E+00	1.23E-03	1.65E-01	3.91E-02	2.11E+00

5609	478665.06	3850287.29	1.53E+00	1.02E-03	1.66E-01	4.19E-02	1.74E+00	2.02E+00	9.77E+01	1.66E+00	2.14E-01	1.02E+02	1.96E+00	1.23E-03	1.66E-01	4.19E-02	2.17E+00
5610	478754.69	3850330.14	1.56E+00	1.02E-03	1.66E-01	4.40E-02	1.77E+00	2.06E+00	9.75E+01	1.66E+00	2.25E-01	1.01E+02	2.00E+00	1.23E-03	1.66E-01	4.40E-02	2.21E+00
5611	478844.32	3850372.99	1.56E+00	1.01E-03	1.67E-01	4.49E-02	1.77E+00	2.06E+00	9.73E+01	1.67E+00	2.30E-01	1.01E+02	2.00E+00	1.23E-03	1.67E-01	4.49E-02	2.21E+00
5612	478933.95	3850415.84	1.40E+00	1.01E-03	1.68E-01	4.46E-02	1.62E+00	1.86E+00	9.70E+01	1.68E+00	2.28E-01	1.01E+02	1.80E+00	1.22E-03	1.68E-01	4.46E-02	2.01E+00
5613	479023.58	3850458.68	1.56E+00	9.87E-04	1.68E-01	4.86E-02	1.78E+00	2.07E+00	9.46E+01	1.68E+00	2.48E-01	9.86E+01	2.01E+00	1.20E-03	1.68E-01	4.86E-02	2.22E+00
5614	479110.66	3850441.91	1.42E+00	9.41E-04	1.67E-01	5.13E-02	1.64E+00	1.87E+00	9.02E+01	1.67E+00	2.62E-01	9.40E+01	1.82E+00	1.14E-03	1.67E-01	5.13E-02	2.04E+00
5615	479191.22	3850423.99	1.43E+00	9.17E-04	1.65E-01	5.55E-02	1.65E+00	1.89E+00	8.80E+01	1.65E+00	2.83E-01	9.18E+01	1.83E+00	1.11E-03	1.65E-01	5.55E-02	2.05E+00
5616	479274.32	3850465.71	1.45E+00	9.08E-04	1.65E-01	5.72E-02	1.67E+00	1.91E+00	8.71E+01	1.65E+00	2.92E-01	9.10E+01	1.86E+00	1.10E-03	1.65E-01	5.72E-02	2.08E+00
5617	479357.43	3850507.42	1.46E+00	8.83E-04	1.64E-01	6.21E-02	1.69E+00	1.93E+00	8.47E+01	1.64E+00	3.17E-01	8.86E+01	1.88E+00	1.07E-03	1.64E-01	6.21E-02	2.11E+00
5618	479440.53	3850549.14	1.66E+00	8.52E-04	1.64E-01	6.82E-02	1.89E+00	2.19E+00	8.17E+01	1.64E+00	3.48E-01	8.59E+01	2.13E+00	1.03E-03	1.64E-01	6.82E-02	2.36E+00
5619	479523.64	3850590.85	1.69E+00	8.30E-04	1.64E-01	7.18E-02	1.93E+00	2.23E+00	7.96E+01	1.64E+00	3.67E-01	8.38E+01	2.17E+00	1.01E-03	1.64E-01	7.18E-02	2.40E+00
5620	479606.74	3850632.57	1.68E+00	8.15E-04	1.64E-01	7.29E-02	1.92E+00	2.22E+00	7.82E+01	1.64E+00	3.72E-01	8.24E+01	2.16E+00	9.88E-04	1.64E-01	7.29E-02	2.39E+00
5621	479777.37	3850707.61	1.63E+00	7.69E-04	1.62E-01	7.50E-02	1.86E+00	2.15E+00	7.38E+01	1.62E+00	3.83E-01	7.79E+01	2.08E+00	9.32E-04	1.62E-01	7.50E-02	2.32E+00
5622	479864.9	3850740.95	1.62E+00	7.48E-04	1.61E-01	7.29E-02	1.86E+00	2.14E+00	7.18E+01	1.61E+00	3.73E-01	7.59E+01	2.08E+00	9.06E-04	1.61E-01	7.29E-02	2.31E+00
5623	479931.87	3850829.57	1.60E+00	7.76E-04	1.64E-01	6.87E-02	1.83E+00	2.11E+00	7.44E+01	1.64E+00	3.51E-01	7.85E+01	2.05E+00	9.40E-04	1.64E-01	6.87E-02	2.29E+00
5624	479995.55	3850926.75	1.55E+00	8.28E-04	1.68E-01	5.97E-02	1.78E+00	2.05E+00	7.94E+01	1.68E+00	3.05E-01	8.35E+01	1.99E+00	1.00E-03	1.68E-01	5.97E-02	2.22E+00
5625	480079.78	3850968.64	1.53E+00	8.19E-04	1.67E-01	5.53E-02	1.76E+00	2.03E+00	7.86E+01	1.67E+00	2.83E-01	8.25E+01	1.97E+00	9.92E-04	1.67E-01	5.53E-02	2.19E+00
5626	480164.01	3851010.54	1.55E+00	8.04E-04	1.67E-01	5.16E-02	1.77E+00	2.04E+00	7.71E+01	1.67E+00	2.64E-01	8.11E+01	1.98E+00	9.74E-04	1.67E-01	5.16E-02	2.20E+00
5627	480248.23	3851052.43	1.60E+00	8.03E-04	1.66E-01	4.83E-02	1.82E+00	2.11E+00	7.70E+01	1.66E+00	2.47E-01	8.10E+01	2.05E+00	9.73E-04	1.66E-01	4.83E-02	2.27E+00
5628	480332.46	3851094.33	1.64E+00	7.93E-04	1.65E-01	4.69E-02	1.86E+00	2.17E+00	7.60E+01	1.65E+00	2.39E-01	8.01E+01	2.11E+00	9.60E-04	1.65E-01	4.69E-02	2.32E+00
5629	480416.69	3851136.22	1.68E+00	8.05E-04	1.64E-01	4.77E-02	1.89E+00	2.21E+00	7.72E+01	1.64E+00	2.44E-01	8.13E+01	2.15E+00	9.75E-04	1.64E-01	4.77E-02	2.36E+00
5630	480579.95	3851215.17	1.78E+00	8.05E-04	1.62E-01	4.74E-02	1.99E+00	2.35E+00	7.72E+01	1.62E+00	2.42E-01	8.14E+01	2.28E+00	9.75E-04	1.62E-01	4.74E-02	2.49E+00
5631	480658.98	3851252.22	1.83E+00	7.82E-04	1.60E-01	4.66E-02	2.04E+00	2.42E+00	7.50E+01	1.60E+00	2.38E-01	7.93E+01	2.35E+00	9.47E-04	1.60E-01	4.66E-02	2.56E+00
5632	480817.36	3851327.85	1.89E+00	7.24E-04	1.57E-01	4.52E-02	2.10E+00	2.50E+00	6.94E+01	1.57E+00	2.31E-01	7.37E+01	2.43E+00	8.77E-04	1.57E-01	4.52E-02	2.63E+00
5633	480896.72	3851366.43	1.90E+00	7.02E-04	1.55E-01	4.50E-02	2.10E+00	2.51E+00	6.74E+01	1.55E+00	2.30E-01	7.17E+01	2.44E+00	8.51E-04	1.55E-01	4.50E-02	2.64E+00
5634	480976.07	3851405	1.94E+00	7.13E-04	1.54E-01	4.44E-02	2.13E+00	2.56E+00	6.84E+01	1.54E+00	2.27E-01	7.27E+01	2.48E+00	8.64E-04	1.54E-01	4.44E-02	2.68E+00
5635	481178	3851487.31	2.00E+00	7.63E-04	1.47E-01	4.29E-02	2.19E+00	2.64E+00	7.32E+01	1.47E+00	2.19E-01	7.75E+01	2.56E+00	9.25E-04	1.47E-01	4.29E-02	2.75E+00
5636	481244.9	3851557.17	2.03E+00	7.76E-04	1.49E-01	4.15E-02	2.23E+00	2.69E+00	7.44E+01	1.49E+00	2.12E-01	7.88E+01	2.61E+00	9.40E-04	1.49E-01	4.15E-02	2.80E+00
5637	481311.81	3851627.03	2.08E+00	7.86E-04	1.52E-01	4.08E-02	2.27E+00	2.74E+00	7.54E+01	1.52E+00	2.09E-01	7.99E+01	2.66E+00	9.52E-04	1.52E-01	4.08E-02	2.85E+00
5638	481378.71	3851696.89	2.12E+00	7.95E-04	1.54E-01	4.05E-02	2.31E+00	2.80E+00	7.62E+01	1.54E+00	2.07E-01	8.08E+01	2.72E+00	9.63E-04	1.54E-01	4.05E-02	2.91E+00
5639	481445.61	3851766.76	2.16E+00	8.05E-04	1.56E-01	3.99E-02	2.36E+00	2.86E+00	7.72E+01	1.56E+00	2.04E-01	8.18E+01	2.77E+00	9.75E-04	1.56E-01	3.99E-02	2.97E+00
5640	481512.51	3851836.62	2.21E+00	8.12E-04	1.58E-01	4.00E-02	2.41E+00	2.92E+00	7.78E+01	1.58E+00	2.04E-01	8.25E+01	2.83E+00	9.83E-04	1.58E-01	4.00E-02	3.03E+00
5641	481579.42	3851906.48	2.26E+00	8.18E-04	1.61E-01	4.02E-02	2.46E+00	2.98E+00	7.85E+01	1.61E+00	2.05E-01	8.33E+01	2.90E+00	9.91E-04	1.61E-01	4.02E-02	3.10E+00
5642	481646.32	3851976.34	2.31E+00	8.25E-04	1.63E-01	4.01E-02	2.51E+00	3.05E+00	7.92E+01	1.63E+00	2.05E-01	8.40E+01	2.96E+00	1.00E-03	1.63E-01	4.01E-02	3.17E+00
5643	481713.22	3852046.2	2.37E+00	8.25E-04	1.66E-01	4.20E-02	2.58E+00	3.13E+00	7.91E+01	1.66E+00	2.15E-01	8.41E+01	3.03E+00	9.99E-04	1.66E-01	4.20E-02	3.24E+00
5644	481780.12	3852116.06	2.42E+00	8.36E-04	1.68E-01	4.16E-02	2.63E+00	3.20E+00	8.01E+01	1.68E+00	2.12E-01	8.52E+01	3.10E+00	1.01E-03	1.68E-01	4.16E-02	3.31E+00
5645	481847.03	3852185.92	2.47E+00	8.51E-04	1.71E-01	4.38E-02	2.68E+00	3.26E+00	8.16E+01	1.71E+00	2.24E-01	8.68E+01	3.17E+00	1.03E-03	1.71E-01	4.38E-02	3.38E+00
5646	481913.93	3852255.78	2.52E+00	8.66E-04	1.73E-01	4.61E-02	2.74E+00	3.33E+00	8.31E+01	1.73E+00	2.35E-01	8.84E+01	3.23E+00	1.05E-03	1.73E-01	4.61E-02	3.45E+00
5647	481980.83	3852325.65	2.56E+00	8.83E-04	1.76E-01	4.85E-02	2.79E+00	3.39E+00	8.47E+01	1.76E+00	2.48E-01	9.01E+01	3.29E+00	1.07E-03	1.76E-01	4.85E-02	3.51E+00
5648	482047.73	3852395.51	2.62E+00	8.92E-04	1.79E-01	5.09E-02	2.85E+00	3.46E+00	8.56E+01	1.79E+00	2.60E-01	9.11E+01	3.36E+00	1.08E-03	1.79E-01	5.09E-02	3.59E+00
5649	482114.64	3852465.37	2.67E+00	9.04E-04	1.82E-01	5.34E-02	2.90E+00	3.52E+00	8.67E+01	1.82E+00	2.73E-01	9.23E+01	3.42E+00	1.10E-03	1.82E-01	5.34E-02	3.66E+00
5650	482181.54	3852535.23	2.74E+00	9.10E-04	1.85E-01	5.59E-02	2.98E+00	3.61E+00	8.72E+01	1.85E+00	2.85E-01	9.30E+01	3.51E+00	1.10E-03	1.85E-01	5.59E-02	3.75E+00
5651	482338.69	3852700.05	2.89E+00	9.57E-04	1.92E-01	6.17E-02	3.15E+00	3.82E+00	9.18E+01	1.92E+00	3.15E-01	9.78E+01	3.71E+00	1.16E-03	1.92E-01	6.17E-02	3.96E+00
5652	482404.05	3852767.78	2.96E+00	9.49E-04	1.95E-01	6.41E-02	3.22E+00	3.91E+00	9.10E+01	1.95E+00	3.27E-01	9.72E+01	3.80E+00	1.15E-03	1.95E-01	6.41E-02	4.06E+00
5653	482469.4	3852835.52	3.03E+00	9.36E-04	1.98E-01	6.63E-02	3.30E+00	4.01E+00	8.97E+01	1.98E+00	3.39E-01	9.60E+01	3.89E+00	1.13E-03	1.98E-01	6.63E-02	4.16E+00
5654	482534.75	3852903.25	3.12E+00	9.38E-04	2.01E-01	6.84E-02	3.39E+00	4.12E+00	8.99E+01	2.01E+00	3.50E-01	9.64E+01	4.00E+00	1.14E-03	2.01E-01	6.84E-02	4.27E+00
5655	482600.11	3852970.99	3.20E+00	9.42E-04	2.04E-01	7.04E-02	3.48E+00	4.23E+00	9.03E+01	2.04E+00	3.59E-01	9.69E+01	4.10E+00	1.14E-03	2.04E-01	7.04E-02	4.38E+00
5656	482706.71	3853119.28	3.38E+00	9.58E-04	2.14E-01	7.32E-02	3.67E+00	4.47E+00	9.19E+01	2.14E+00	3.74E-01	9.88E+01	4.34E+00	1.16E-03	2.14E-01	7.32E-02	4.63E+00
5657	482747.96	3853199.84	3.48E+00	9.76E-04	2.21E-01	7.44E-02	3.78E+00	4.60E+00	9.36E+01	2.21E+00	3.80E-01	1.01E+02	4.46E+00	1.18E-03	2.21E-01	7.44E-02	4.76E+00
5658	482789.21	3853280.4	3.58E+00	9.95E-04	2.28E-01	7.55E-02	3.88E+00	4.73E+00	9.54E+01	2.28E+00	3.85E-01	1.03E+02	4.59E+00	1.21E-03	2.28E-01	7.55E-02	4.89E+00
5659	482830.46	3853360.96	3.63E+00	1.01E-03	2.35E-01	7.65E-02	3.94E+00	4.79E+00	9.70E+01	2.35E+00	3.91E-01	1.04E+02	4.65E+00	1.22E-03	2.35E-01	7.65E-02	4.96E+00
5660	482871.71	3853441.52	3.61E+00	1.03E-03	2.42E-01	7.74E-02	3.93E+00	4.77E+00	9.84E+01	2.42E+00	3.96E-01	1.06E+02	4.63E+00	1.24E-03	2.42E-01	7.74E-02	4.95E+00
5661	482912.95	3853522.07	3.84E+00	1.03E-03	2.48E-01	7.82E-02	4.17E+00	5.08E+00	9.93E+01	2.48E+00	4.00E-01	1.07E+02	4.93E+00	1.25E-03	2.48E-01	7.82E-02	5.26E+00
5662	482954.2	3853602.63	4.19E+00	1.04E-03	2.54E-01	7.89E-02	4.52E+00	5.53E+00	9.99E+01	2.54E+00	4.03E-01	1.08E+02	5.37E+00	1.26E-03	2.54E-01	7.89E-02	5.70E+00
5663	482995.45	3853683.19	4.47E+00	1.04E-03	2.59E-01	8.17E-02	4.81E+00	5.90E+00	1.00E+02	2.59E+00	4.18E-01	1.09E+02	5.73E+00	1.26E-03	2.59E-01	8.17E-02	6.07E+00
5664	483036.7	3853763.75	4.65E+00	1.04E-03	2.64E-01	9.01E-02	5.01E+00	6.15E+00	1.00E+02	2.64E+00	4.60E-01	1.09E+02	5.96E+00	1.26E-03	2.64E-01	9.01E-02	6.32E+00
5665	483214.2	3853909.91	5.22E+00	9.50E-04	2.71E-01	8.59E-02	5.58E+00	6.90E+00	9.11E+01	2.71E+00	4.39E-01	1.01E+02	6.69E+00	1.15E-03	2.71E-01	8.59E-02	7.05E+00
5666	483307.01	3853910.44	5.17E+00	9.29E-04	2.68E-01	7.69E-02	5.51E+00	6.83E+00	8.91E+01	2.68E+00	3.93E-01	9.90E+01	6.62E+00	1.13E-03	2.68E-01	7.69E-02	6.97E+00
5667	483399.83	3853910.96	5.09E+00	8.72E-04	2.63E-01	7.56E-02	5.43E+00	6.72E+00	8.36E+01	2.63E+00	3.86E-01	9.34E+01	6.52E+00	1.06E-03	2.63E-01	7.56E-02	6.86E+00
5668	483494.52	3854009.24	5.36E+00	8.68E-04	2.69E-01	7.53E-02	5.70E+00	7.08E+00	8.32E+01	2.69E+00	3.85E-01	9.34E+01	6.87E+00	1.05E-03	2.69E-01	7.53E-02	7.22E+00
5669	483496.41	3854106.98	5.98E+00	9.22E-04	2.80E-01	9.00E-02	6.36E+00	7.91E+00	8.84E+01	2.80E+00	4.60E-01	9.96E+01	7.67E+00	1.12E-03	2.80E-01	9.00E-02	8.04E+00

5670	483577.56	3854261.96	6.52E+00	8.52E-04	2.90E-01	7.77E-02	6.89E+00	8.61E+00	8.17E+01	2.90E+00	3.97E-01	9.36E+01	8.36E+00	1.03E-03	2.90E-01	7.77E-02	8.72E+00
5671	483656.83	3854319.19	7.29E+00	7.66E-04	2.93E-01	8.09E-02	7.67E+00	9.63E+00	7.34E+01	2.93E+00	4.13E-01	8.64E+01	9.35E+00	9.27E-04	2.93E-01	8.09E-02	9.72E+00
5672	483736.1	3854376.41	7.86E+00	6.74E-04	2.96E-01	9.12E-02	8.25E+00	1.04E+01	6.46E+01	2.96E+00	4.66E-01	7.84E+01	1.01E+01	8.16E-04	2.96E-01	9.12E-02	1.05E+01
5673	483815.37	3854433.64	8.17E+00	6.04E-04	2.99E-01	1.05E-01	8.58E+00	1.08E+01	5.79E+01	2.99E+00	5.38E-01	7.22E+01	1.05E+01	7.31E-04	2.99E-01	1.05E-01	1.09E+01
5674	483894.63	3854490.87	8.21E+00	6.04E-04	3.03E-01	1.24E-01	8.64E+00	1.08E+01	5.79E+01	3.03E+00	6.32E-01	7.24E+01	1.05E+01	7.32E-04	3.03E-01	1.24E-01	1.10E+01
5675	483973.9	3854548.1	8.11E+00	6.03E-04	3.06E-01	1.40E-01	8.56E+00	1.07E+01	5.78E+01	3.06E+00	7.13E-01	7.23E+01	1.04E+01	7.31E-04	3.06E-01	1.40E-01	1.08E+01
5676	484053.17	3854605.32	7.93E+00	6.00E-04	3.09E-01	1.48E-01	8.39E+00	1.05E+01	5.76E+01	3.09E+00	7.55E-01	7.19E+01	1.02E+01	7.27E-04	3.09E-01	1.48E-01	1.06E+01
5677	484214.97	3854698.15	7.27E+00	5.86E-04	3.13E-01	1.83E-01	7.77E+00	9.60E+00	5.62E+01	3.13E+00	9.34E-01	6.98E+01	9.32E+00	7.10E-04	3.13E-01	1.83E-01	9.82E+00
5678	484297.5	3854733.74	7.09E+00	5.72E-04	3.14E-01	1.87E-01	7.59E+00	9.37E+00	5.49E+01	3.14E+00	9.57E-01	6.83E+01	9.09E+00	6.93E-04	3.14E-01	1.87E-01	9.59E+00
5679	484380.03	3854769.34	6.48E+00	5.56E-04	3.13E-01	1.70E-01	6.96E+00	8.56E+00	5.33E+01	3.13E+00	8.69E-01	6.59E+01	8.31E+00	6.73E-04	3.13E-01	1.70E-01	8.79E+00
5680	484462.56	3854804.94	7.29E+00	5.37E-04	3.12E-01	1.65E-01	7.77E+00	9.63E+00	5.15E+01	3.12E+00	8.42E-01	6.51E+01	9.35E+00	6.51E-04	3.12E-01	1.65E-01	9.82E+00
5681	484545.09	3854840.53	7.13E+00	5.16E-04	3.10E-01	1.75E-01	7.61E+00	9.42E+00	4.95E+01	3.10E+00	8.95E-01	6.29E+01	9.14E+00	6.26E-04	3.10E-01	1.75E-01	9.63E+00
5682	484691.88	3854912.59	7.26E+00	4.81E-04	3.07E-01	1.19E-01	7.69E+00	9.59E+00	4.61E+01	3.07E+00	6.10E-01	5.94E+01	9.31E+00	5.82E-04	3.07E-01	1.19E-01	9.74E+00
5683	484830.81	3855012.51	7.16E+00	4.54E-04	3.10E-01	1.13E-01	7.59E+00	9.46E+00	4.36E+01	3.10E+00	5.79E-01	5.67E+01	9.18E+00	5.50E-04	3.10E-01	1.13E-01	9.61E+00
5684	484905.48	3855075.97	7.76E+00	4.86E-04	3.15E-01	2.39E-01	8.32E+00	1.03E+01	4.66E+01	3.15E+00	1.22E+00	6.13E+01	9.95E+00	5.89E-04	3.15E-01	2.39E-01	1.05E+01
5685	484980.14	3855139.44	8.02E+00	5.14E-04	3.19E-01	2.97E-01	8.63E+00	1.06E+01	4.93E+01	3.19E+00	1.52E+00	6.46E+01	1.03E+01	6.23E-04	3.19E-01	2.97E-01	1.09E+01
5686	485054.81	3855202.91	7.93E+00	5.15E-04	3.24E-01	2.38E-01	8.49E+00	1.05E+01	4.94E+01	3.24E+00	1.22E+00	6.43E+01	1.02E+01	6.24E-04	3.24E-01	2.38E-01	1.07E+01
5687	485129.48	3855266.37	7.48E+00	4.78E-04	3.29E-01	1.90E-01	8.00E+00	9.88E+00	4.58E+01	3.29E+00	9.71E-01	6.00E+01	9.59E+00	5.79E-04	3.29E-01	1.90E-01	1.01E+01
5688	485204.15	3855329.84	7.62E+00	5.06E-04	3.34E-01	2.79E-01	8.23E+00	1.01E+01	4.85E+01	3.34E+00	1.43E+00	6.34E+01	9.77E+00	6.13E-04	3.34E-01	2.79E-01	1.04E+01
5689	485278.82	3855393.31	7.40E+00	4.98E-04	3.39E-01	3.02E-01	8.04E+00	9.78E+00	4.77E+01	3.39E+00	1.54E+00	6.24E+01	9.49E+00	6.03E-04	3.39E-01	3.02E-01	1.01E+01
5690	485353.48	3855456.77	7.28E+00	5.07E-04	3.44E-01	3.07E-01	7.93E+00	9.62E+00	4.86E+01	3.44E+00	1.57E+00	6.32E+01	9.33E+00	6.14E-04	3.44E-01	3.07E-01	9.99E+00
5691	485428.15	3855520.24	7.16E+00	4.96E-04	3.49E-01	3.23E-01	7.83E+00	9.46E+00	4.76E+01	3.49E+00	1.65E+00	6.22E+01	9.18E+00	6.01E-04	3.49E-01	3.23E-01	9.85E+00
5692	485502.82	3855583.71	7.12E+00	5.08E-04	3.55E-01	2.63E-01	7.74E+00	9.41E+00	4.87E+01	3.55E+00	1.34E+00	6.30E+01	9.13E+00	6.16E-04	3.55E-01	2.63E-01	9.75E+00
5693	485577.49	3855647.17	7.24E+00	5.53E-04	3.61E-01	2.08E-01	7.81E+00	9.56E+00	5.30E+01	3.61E+00	1.06E+00	6.73E+01	9.28E+00	6.70E-04	3.61E-01	2.08E-01	9.85E+00
5694	485652.16	3855710.64	7.46E+00	5.91E-04	3.66E-01	1.90E-01	8.01E+00	9.85E+00	5.67E+01	3.66E+00	9.71E-01	7.12E+01	9.56E+00	7.16E-04	3.66E-01	1.90E-01	1.01E+01
5695	485726.83	3855774.11	7.51E+00	5.91E-04	3.72E-01	2.49E-01	8.13E+00	9.92E+00	5.67E+01	3.72E+00	1.27E+00	7.16E+01	9.63E+00	7.16E-04	3.72E-01	2.49E-01	1.03E+01
5696	485801.49	3855837.57	7.35E+00	5.70E-04	3.79E-01	2.46E-01	7.98E+00	9.71E+00	5.46E+01	3.79E+00	1.26E+00	6.94E+01	9.42E+00	6.90E-04	3.79E-01	2.46E-01	1.00E+01
5697	485876.16	3855901.04	7.34E+00	5.63E-04	3.85E-01	2.56E-01	7.98E+00	9.70E+00	5.40E+01	3.85E+00	1.31E+00	6.89E+01	9.41E+00	6.83E-04	3.85E-01	2.56E-01	1.01E+01
5698	485950.83	3855964.5	7.17E+00	5.45E-04	3.91E-01	2.25E-01	7.78E+00	9.47E+00	5.22E+01	3.91E+00	1.15E+00	6.68E+01	9.19E+00	6.60E-04	3.91E-01	2.25E-01	9.81E+00
5699	486025.5	3856027.97	6.98E+00	5.09E-04	3.98E-01	2.32E-01	7.61E+00	9.22E+00	4.88E+01	3.98E+00	1.18E+00	6.32E+01	8.95E+00	6.17E-04	3.98E-01	2.32E-01	9.58E+00
5700	486100.17	3856091.44	7.21E+00	5.53E-04	4.05E-01	1.98E-01	7.82E+00	9.53E+00	5.31E+01	4.05E+00	1.01E+00	6.77E+01	9.25E+00	6.70E-04	4.05E-01	1.98E-01	9.85E+00
5701	486174.83	3856154.9	7.27E+00	5.53E-04	4.12E-01	1.79E-01	7.86E+00	9.60E+00	5.31E+01	4.12E+00	9.12E-01	6.77E+01	9.32E+00	6.70E-04	4.12E-01	1.79E-01	9.91E+00
5702	486249.5	3856218.37	6.99E+00	5.56E-04	4.18E-01	1.77E-01	7.58E+00	9.23E+00	5.33E+01	4.18E+00	9.02E-01	6.76E+01	8.96E+00	6.74E-04	4.18E-01	1.77E-01	9.55E+00
5703	486324.17	3856281.84	6.59E+00	5.54E-04	4.25E-01	2.27E-01	7.24E+00	8.70E+00	5.32E+01	4.25E+00	1.16E+00	6.73E+01	8.45E+00	6.72E-04	4.25E-01	2.27E-01	9.10E+00
5704	486398.84	3856345.3	6.83E+00	5.51E-04	4.33E-01	2.40E-01	7.51E+00	9.03E+00	5.28E+01	4.33E+00	1.22E+00	6.74E+01	8.76E+00	6.67E-04	4.33E-01	2.40E-01	9.43E+00
5705	486473.51	3856408.77	6.94E+00	5.49E-04	4.40E-01	2.62E-01	7.65E+00	9.17E+00	5.26E+01	4.40E+00	1.34E+00	6.75E+01	8.90E+00	6.65E-04	4.40E-01	2.62E-01	9.61E+00
5706	486548.17	3856472.24	7.18E+00	5.76E-04	4.47E-01	2.64E-01	7.89E+00	9.48E+00	5.53E+01	4.47E+00	1.35E+00	7.06E+01	9.20E+00	6.98E-04	4.47E-01	2.64E-01	9.92E+00
5707	486622.84	3856535.7	7.38E+00	6.01E-04	4.55E-01	2.54E-01	8.09E+00	9.75E+00	5.76E+01	4.55E+00	1.30E+00	7.32E+01	9.47E+00	7.28E-04	4.55E-01	2.54E-01	1.02E+01
5708	486765.48	3856659.69	7.80E+00	6.36E-04	4.71E-01	2.29E-01	8.50E+00	1.03E+01	6.10E+01	4.71E+00	1.17E+00	7.71E+01	1.00E+01	7.70E-04	4.71E-01	2.29E-01	1.07E+01
5709	486833.44	3856720.2	7.89E+00	6.46E-04	4.80E-01	2.20E-01	8.59E+00	1.04E+01	6.19E+01	4.80E+00	1.12E+00	7.83E+01	1.01E+01	7.83E-04	4.80E-01	2.20E-01	1.08E+01
5710	486901.41	3856780.72	8.03E+00	6.52E-04	4.89E-01	2.06E-01	8.73E+00	1.06E+01	6.26E+01	4.89E+00	1.05E+00	7.91E+01	1.03E+01	7.90E-04	4.89E-01	2.06E-01	1.10E+01
5711	486969.38	3856841.24	8.15E+00	6.53E-04	4.97E-01	1.88E-01	8.83E+00	1.08E+01	6.26E+01	4.97E+00	9.61E-01	7.93E+01	1.04E+01	7.91E-04	4.97E-01	1.88E-01	1.11E+01
5712	487037.34	3856901.75	8.24E+00	6.45E-04	5.04E-01	1.65E-01	8.91E+00	1.09E+01	6.19E+01	5.04E+00	8.44E-01	7.86E+01	1.06E+01	7.82E-04	5.04E-01	1.65E-01	1.12E+01
5713	487271.23	3856855.51	4.94E+00	7.20E-04	3.71E-01	1.62E-01	5.47E+00	6.53E+00	6.90E+01	3.71E+00	8.27E-01	8.01E+01	6.34E+00	8.72E-04	3.71E-01	1.62E-01	6.87E+00
5714	487368.96	3856857.29	4.36E+00	7.20E-04	5.10E-01	1.54E-01	5.02E+00	5.76E+00	6.90E+01	5.10E+00	7.85E-01	8.07E+01	5.59E+00	8.72E-04	5.10E-01	1.54E-01	6.25E+00
5715	487466.68	3856859.06	3.84E+00	7.03E-04	6.62E-01	1.45E-01	4.65E+00	5.08E+00	6.74E+01	6.62E+00	7.38E-01	7.98E+01	4.93E+00	8.51E-04	6.62E-01	1.45E-01	5.73E+00
5716	487636.44	3856930	3.51E+00	6.73E-04	8.67E-01	1.20E-01	4.50E+00	4.63E+00	6.45E+01	8.67E+00	6.15E-01	7.84E+01	4.50E+00	8.15E-04	8.67E-01	1.20E-01	5.49E+00
5717	487709.57	3856928.43	3.29E+00	6.69E-04	9.07E-01	1.15E-01	4.31E+00	4.34E+00	6.42E+01	9.07E+00	5.87E-01	7.82E+01	4.22E+00	8.10E-04	9.07E-01	1.15E-01	5.24E+00
5718	487782.55	3856841.96	2.82E+00	6.75E-04	8.37E-01	1.18E-01	3.77E+00	3.72E+00	6.47E+01	8.37E+00	6.03E-01	7.74E+01	3.61E+00	8.18E-04	8.37E-01	1.18E-01	4.57E+00
5719	487849.83	3856754.74	2.56E+00	6.81E-04	7.03E-01	1.15E-01	3.38E+00	3.39E+00	6.53E+01	7.03E+00	5.87E-01	7.63E+01	3.29E+00	8.24E-04	7.03E-01	1.15E-01	4.11E+00
5720	487918.03	3856819.39	2.57E+00	6.85E-04	6.33E-01	1.05E-01	3.31E+00	3.40E+00	6.57E+01	6.33E+00	5.36E-01	7.59E+01	3.30E+00	8.29E-04	6.33E-01	1.05E-01	4.03E+00
5721	487918.8	3856886.37	2.67E+00	7.19E-04	6.72E-01	1.02E-01	3.45E+00	3.53E+00	6.90E+01	6.72E+00	5.22E-01	7.97E+01	3.43E+00	8.71E-04	6.72E-01	1.02E-01	4.20E+00
5722	488065.47	3857127.51	3.01E+00	8.19E-04	4.53E-01	6.31E-02	3.53E+00	3.98E+00	7.86E+01	4.53E+00	3.23E-01	8.74E+01	3.86E+00	9.93E-04	4.53E-01	6.31E-02	4.38E+00
5723	488192.19	3857385.84	3.61E+00	1.03E-03	6.58E-01	6.26E-02	4.34E+00	4.77E+00	9.86E+01	6.58E+00	3.20E-01	1.10E+02	4.63E+00	1.24E-03	6.58E-01	6.26E-02	5.35E+00
5724	488191.22	3857473.87	3.90E+00	1.10E-03	7.81E-01	6.65E-02	4.75E+00	5.15E+00	1.05E+02	7.81E+00	3.40E-01	1.19E+02	5.00E+00	1.33E-03	7.81E-01	6.65E-02	5.85E+00
5725	488190.24	3857561.91	4.20E+00	1.17E-03	9.01E-01	9.42E-02	5.20E+00	5.55E+00	1.12E+02	9.01E+00	4.81E-01	1.27E+02	5.39E+00	1.42E-03	9.01E-01	9.42E-02	6.39E+00
5726	488158.35	3857691.13	4.37E+00	1.25E-03	1.29E+00	1.38E-01	5.80E+00	5.78E+00	1.20E+02	1.29E+01	7.05E-01	1.39E+02	5.61E+00	1.51E-03	1.29E+00	1.38E-01	7.03E+00
5727	488208.37	3857816.66	4.14E+00	1.33E-03	1.77E+00	1.54E-01	6.06E+00	5.46E+00	1.28E+02	1.77E+01	7.85E-01	1.52E+02	5.30E+00	1.62E-03	1.77E+00	1.54E-01	7.23E+00
5728	488271.97	3857874.6	3.98E+00	1.40E-03	1.90E+00	1.30E-01	6.01E+00	5.26E+00	1.34E+02	1.90E+01	6.62E-01	1.59E+02	5.11E+00	1.69E-03	1.90E+00	1.30E-01	7.14E+00
5729	488463.56	3857942.31	3.61E+00	1.39E-03	2.72E+00	1.23E-01	6.46E+00	4.77E+00	1.34E+02	2.72E+01	6.31E-01	1.66E+02	4.63E+00	1.69E-03	2.72E+00	1.23E-01	7.48E+00
5730	488554.83	3857940.83	3.48E+00	1.35E-03	2.52E+00	1.28E-01	6.12E+00	4.59E+00	1.30E+02	2.52E+01	6.56E-01	1.60E+02	4.46E+00	1.64E-03	2.52E+00	1.28E-01	7.10E+00

5731	488646.1	3857939.36	3.51E+00	1.43E-03	2.16E+00	1.23E-01	5.80E+00	4.64E+00	1.37E+02	2.16E+01	6.28E-01	1.64E+02	4.50E+00	1.73E-03	2.16E+00	1.23E-01	6.79E+00
5732	488737.37	3857937.88	3.43E+00	1.42E-03	1.81E+00	1.23E-01	5.37E+00	4.54E+00	1.36E+02	1.81E+01	6.29E-01	1.60E+02	4.40E+00	1.72E-03	1.81E+00	1.23E-01	6.34E+00
5733	488733.59	3857960.57	3.44E+00	1.43E-03	1.85E+00	1.23E-01	5.41E+00	4.54E+00	1.37E+02	1.85E+01	6.29E-01	1.61E+02	4.41E+00	1.73E-03	1.85E+00	1.23E-01	6.38E+00
5734	488638.09	3857961.57	3.46E+00	1.44E-03	2.32E+00	1.27E-01	5.91E+00	4.57E+00	1.38E+02	2.32E+01	6.48E-01	1.66E+02	4.43E+00	1.74E-03	2.32E+00	1.27E-01	6.88E+00
5735	488542.6	3857962.56	3.45E+00	1.37E-03	2.90E+00	1.30E-01	6.48E+00	4.56E+00	1.31E+02	2.90E+01	6.62E-01	1.65E+02	4.42E+00	1.66E-03	2.90E+00	1.30E-01	7.45E+00
5736	488447.1	3857963.56	3.63E+00	1.43E-03	3.44E+00	1.28E-01	7.20E+00	4.80E+00	1.37E+02	3.44E+01	6.53E-01	1.77E+02	4.65E+00	1.73E-03	3.44E+00	1.28E-01	8.22E+00
5737	488254.28	3857890.36	4.00E+00	1.40E-03	1.94E+00	1.31E-01	6.07E+00	5.29E+00	1.34E+02	1.94E+01	6.70E-01	1.59E+02	5.13E+00	1.69E-03	1.94E+00	1.31E-01	7.20E+00
5738	488191.69	3857833.06	4.17E+00	1.34E-03	1.90E+00	1.56E-01	6.23E+00	5.51E+00	1.28E+02	1.90E+01	7.95E-01	1.54E+02	5.35E+00	1.62E-03	1.90E+00	1.56E-01	7.40E+00
5739	488129.5	3857907.43	4.49E+00	1.37E-03	1.70E+00	1.62E-01	6.35E+00	5.93E+00	1.31E+02	1.70E+01	8.26E-01	1.55E+02	5.75E+00	1.66E-03	1.70E+00	1.62E-01	7.61E+00
5740	488196.47	3857968.74	4.32E+00	1.45E-03	1.98E+00	1.24E-01	6.42E+00	5.71E+00	1.39E+02	1.98E+01	6.35E-01	1.65E+02	5.54E+00	1.75E-03	1.98E+00	1.24E-01	7.64E+00
5741	488263.44	3858030.04	4.16E+00	1.50E-03	5.75E+00	1.17E-01	1.00E+01	5.50E+00	1.44E+02	5.75E+01	5.98E-01	2.07E+02	5.34E+00	1.82E-03	5.75E+00	1.17E-01	1.12E+01
5742	488400.64	3858132.9	3.86E+00	1.57E-03	4.16E+00	1.46E-01	8.16E+00	5.10E+00	1.50E+02	4.16E+01	7.44E-01	1.98E+02	4.95E+00	1.90E-03	4.16E+00	1.46E-01	9.25E+00
5743	488519.89	3858218.38	3.58E+00	1.68E-03	2.78E+00	1.29E-01	6.49E+00	4.73E+00	1.61E+02	2.78E+01	6.58E-01	1.94E+02	4.59E+00	2.03E-03	2.78E+00	1.29E-01	7.50E+00
5744	488647.97	3858214.99	3.34E+00	1.67E-03	2.07E+00	1.04E-01	5.51E+00	4.41E+00	1.60E+02	2.07E+01	5.32E-01	1.85E+02	4.28E+00	2.02E-03	2.07E+00	1.04E-01	6.46E+00
5745	488727.05	3858167.67	3.16E+00	1.65E-03	1.47E+00	1.06E-01	4.75E+00	4.18E+00	1.58E+02	1.47E+01	5.41E-01	1.77E+02	4.06E+00	1.99E-03	1.47E+00	1.06E-01	5.64E+00
5746	488806.12	3858120.35	3.06E+00	1.62E-03	1.50E+00	1.07E-01	4.67E+00	4.05E+00	1.56E+02	1.50E+01	5.45E-01	1.75E+02	3.93E+00	1.97E-03	1.50E+00	1.07E-01	5.53E+00
5747	488885.2	3858073.03	3.21E+00	1.59E-03	1.42E+00	1.07E-01	4.74E+00	4.25E+00	1.53E+02	1.42E+01	5.45E-01	1.72E+02	4.12E+00	1.93E-03	1.42E+00	1.07E-01	5.65E+00
5748	489055.76	3857991.18	2.93E+00	1.48E-03	1.03E+00	1.10E-01	4.06E+00	3.86E+00	1.42E+02	1.03E+01	5.63E-01	1.57E+02	3.75E+00	1.79E-03	1.03E+00	1.10E-01	4.89E+00
5749	489245.39	3857944.55	2.66E+00	1.29E-03	8.46E-01	1.15E-01	3.62E+00	3.51E+00	1.24E+02	8.46E+00	5.87E-01	1.37E+02	3.41E+00	1.57E-03	8.46E-01	1.15E-01	4.37E+00
5750	489430.63	3857930.91	2.34E+00	1.17E-03	7.47E-01	9.57E-02	3.18E+00	3.09E+00	1.12E+02	7.47E+00	4.89E-01	1.23E+02	3.00E+00	1.42E-03	7.47E-01	9.57E-02	3.84E+00
5751	489517.74	3857929.36	2.21E+00	1.10E-03	7.24E-01	8.01E-02	3.01E+00	2.92E+00	1.05E+02	7.24E+00	4.09E-01	1.16E+02	2.83E+00	1.33E-03	7.24E-01	8.01E-02	3.64E+00
5752	489604.86	3857927.82	2.15E+00	1.04E-03	7.47E-01	6.92E-02	2.97E+00	2.84E+00	1.00E+02	7.47E+00	3.54E-01	1.11E+02	2.76E+00	1.26E-03	7.47E-01	6.92E-02	3.57E+00
5753	489691.97	3857926.28	2.08E+00	9.78E-04	7.61E-01	6.28E-02	2.91E+00	2.75E+00	9.38E+01	7.61E+00	3.21E-01	1.04E+02	2.67E+00	1.18E-03	7.61E-01	6.28E-02	3.49E+00
5754	489779.08	3857924.73	2.00E+00	9.37E-04	7.70E-01	5.56E-02	2.83E+00	2.65E+00	8.99E+01	7.70E+00	2.84E-01	1.01E+02	2.57E+00	1.14E-03	7.70E-01	5.56E-02	3.40E+00
5755	490017.55	3857875.09	1.73E+00	7.41E-04	7.66E-01	5.96E-02	2.56E+00	2.29E+00	7.11E+01	7.66E+00	3.05E-01	8.13E+01	2.22E+00	8.98E-04	7.66E-01	5.96E-02	3.05E+00
5756	490033.82	3857960.81	1.81E+00	7.27E-04	7.64E-01	5.81E-02	2.63E+00	2.39E+00	6.97E+01	7.64E+00	2.97E-01	8.00E+01	2.32E+00	8.80E-04	7.64E-01	5.81E-02	3.14E+00
5757	489959.15	3857987.49	1.91E+00	7.90E-04	7.56E-01	5.71E-02	2.72E+00	2.52E+00	7.57E+01	7.56E+00	2.92E-01	8.61E+01	2.45E+00	9.57E-04	7.56E-01	5.71E-02	3.26E+00
5758	489791.49	3858016.12	2.07E+00	9.25E-04	7.39E-01	6.02E-02	2.87E+00	2.74E+00	8.87E+01	7.39E+00	3.07E-01	9.91E+01	2.65E+00	1.12E-03	7.39E-01	6.02E-02	3.45E+00
5759	489698.51	3858018.07	2.13E+00	9.95E-04	7.30E-01	5.83E-02	2.92E+00	2.82E+00	9.54E+01	7.30E+00	2.98E-01	1.06E+02	2.73E+00	1.21E-03	7.30E-01	5.83E-02	3.52E+00
5760	489605.52	3858020.02	2.26E+00	1.05E-03	7.14E-01	6.62E-02	3.04E+00	2.98E+00	1.00E+02	7.14E+00	3.38E-01	1.11E+02	2.89E+00	1.27E-03	7.14E-01	6.62E-02	3.68E+00
5761	489512.53	3858021.96	2.40E+00	1.14E-03	7.31E-01	7.46E-02	3.21E+00	3.18E+00	1.09E+02	7.31E+00	3.81E-01	1.20E+02	3.08E+00	1.38E-03	7.31E-01	7.46E-02	3.89E+00
5762	489419.55	3858023.91	2.53E+00	1.19E-03	7.80E-01	9.33E-02	3.41E+00	3.34E+00	1.14E+02	7.80E+00	4.77E-01	1.26E+02	3.25E+00	1.44E-03	7.80E-01	9.33E-02	4.12E+00
5763	489228.47	3858041.29	2.80E+00	1.35E-03	8.77E-01	1.17E-01	3.80E+00	3.70E+00	1.29E+02	8.77E+00	5.97E-01	1.43E+02	3.59E+00	1.64E-03	8.77E-01	1.17E-01	4.59E+00
5764	489065.75	3858085.78	3.07E+00	1.49E-03	1.18E+00	1.20E-01	4.37E+00	4.06E+00	1.43E+02	1.18E+01	6.14E-01	1.60E+02	3.94E+00	1.81E-03	1.18E+00	1.20E-01	5.24E+00
5765	489001.12	3858114.86	3.14E+00	1.57E-03	1.26E+00	1.16E-01	4.52E+00	4.15E+00	1.51E+02	1.26E+01	5.93E-01	1.68E+02	4.03E+00	1.90E-03	1.26E+00	1.16E-01	5.40E+00
5766	488861.89	3858189.81	3.04E+00	1.66E-03	1.37E+00	9.56E-02	4.51E+00	4.02E+00	1.60E+02	1.37E+01	4.88E-01	1.78E+02	3.90E+00	2.02E-03	1.37E+00	9.56E-02	5.37E+00
5767	488787.29	3858235.69	3.09E+00	1.74E-03	1.47E+00	9.75E-02	4.65E+00	4.08E+00	1.67E+02	1.47E+01	4.98E-01	1.86E+02	3.96E+00	2.11E-03	1.47E+00	9.75E-02	5.53E+00
5768	488712.68	3858281.57	3.29E+00	1.75E-03	1.85E+00	9.47E-02	5.24E+00	4.34E+00	1.68E+02	1.85E+01	4.84E-01	1.91E+02	4.21E+00	2.12E-03	1.85E+00	9.47E-02	6.16E+00
5769	488654.39	3858436.17	3.25E+00	2.00E-03	1.30E+00	9.91E-02	4.66E+00	4.30E+00	1.92E+02	1.30E+01	5.06E-01	2.10E+02	4.17E+00	2.43E-03	1.30E+00	9.91E-02	5.58E+00
5770	488726.31	3858505.26	3.16E+00	2.10E-03	1.03E+00	1.05E-01	4.29E+00	4.17E+00	2.02E+02	1.03E+01	5.35E-01	2.17E+02	4.05E+00	2.55E-03	1.03E+00	1.05E-01	5.19E+00
5771	488880.6	3858599.28	2.94E+00	2.02E-03	7.47E-01	1.23E-01	3.81E+00	3.88E+00	1.94E+02	7.47E+00	6.27E-01	2.06E+02	3.76E+00	2.45E-03	7.47E-01	1.23E-01	4.64E+00
5772	489008.06	3858714.75	2.80E+00	1.91E-03	6.84E-01	1.37E-01	3.62E+00	3.70E+00	1.83E+02	6.84E+00	7.00E-01	1.95E+02	3.59E+00	2.32E-03	6.84E-01	1.37E-01	4.41E+00
5773	489071.48	3858772.72	2.74E+00	1.74E-03	6.75E-01	1.26E-01	3.54E+00	3.62E+00	1.67E+02	6.75E+00	6.46E-01	1.78E+02	3.51E+00	2.11E-03	6.75E-01	1.26E-01	4.31E+00
5774	489244.6	3858920.2	2.56E+00	1.82E-03	6.40E-01	8.16E-02	3.29E+00	3.39E+00	1.75E+02	6.40E+00	4.17E-01	1.85E+02	3.29E+00	2.21E-03	6.40E-01	8.16E-02	4.01E+00
5775	489239.69	3858952.23	2.56E+00	1.88E-03	6.27E-01	8.83E-02	3.28E+00	3.38E+00	1.81E+02	6.27E+00	4.51E-01	1.91E+02	3.28E+00	2.28E-03	6.27E-01	8.83E-02	4.00E+00
5776	489121.67	3858854.49	2.68E+00	1.76E-03	6.52E-01	9.92E-02	3.43E+00	3.54E+00	1.68E+02	6.52E+00	5.07E-01	1.79E+02	3.43E+00	2.13E-03	6.52E-01	9.92E-02	4.19E+00
5777	489059.59	3858797.27	2.75E+00	1.76E-03	6.66E-01	1.27E-01	3.54E+00	3.63E+00	1.69E+02	6.66E+00	6.51E-01	1.80E+02	3.52E+00	2.13E-03	6.66E-01	1.27E-01	4.32E+00
5778	488997.52	3858740.04	2.82E+00	1.93E-03	6.77E-01	1.39E-01	3.64E+00	3.73E+00	1.85E+02	6.77E+00	7.08E-01	1.96E+02	3.62E+00	2.33E-03	6.77E-01	1.39E-01	4.44E+00
5779	488935.44	3858682.82	2.89E+00	2.04E-03	6.84E-01	1.31E-01	3.71E+00	3.82E+00	1.96E+02	6.84E+00	6.67E-01	2.07E+02	3.71E+00	2.48E-03	6.84E-01	1.31E-01	4.52E+00
5780	488869.17	3858848.43	2.72E+00	2.34E-03	4.67E-01	1.37E-01	3.33E+00	3.59E+00	2.24E+02	4.67E+00	6.99E-01	2.33E+02	3.49E+00	2.83E-03	4.67E-01	1.37E-01	4.09E+00
5781	488932.48	3858892.69	2.66E+00	2.12E-03	4.83E-01	1.44E-01	3.29E+00	3.51E+00	2.03E+02	4.83E+00	7.37E-01	2.13E+02	3.41E+00	2.57E-03	4.83E-01	1.44E-01	4.04E+00
5782	489063.27	3858977.17	2.62E+00	2.16E-03	5.11E-01	1.02E-01	3.23E+00	3.46E+00	2.08E+02	5.11E+00	5.21E-01	2.17E+02	3.36E+00	2.62E-03	5.11E-01	1.02E-01	3.97E+00
5783	489248.2	3859117.15	2.49E+00	2.12E-03	5.06E-01	8.10E-02	3.08E+00	3.29E+00	2.04E+02	5.06E+00	4.14E-01	2.12E+02	3.19E+00	2.57E-03	5.06E-01	8.10E-02	3.78E+00
5784	489296.25	3859049.22	2.54E+00	1.98E-03	5.85E-01	7.45E-02	3.20E+00	3.35E+00	1.89E+02	5.85E+00	3.81E-01	1.99E+02	3.25E+00	2.39E-03	5.85E-01	7.45E-02	3.91E+00
5785	489353.38	3858993.97	2.46E+00	1.81E-03	6.19E-01	7.46E-02	3.15E+00	3.24E+00	1.73E+02	6.19E+00	3.81E-01	1.83E+02	3.15E+00	2.19E-03	6.19E-01	7.46E-02	3.85E+00
5786	489537.25	3859120.22	2.29E+00	1.82E-03	5.83E-01	8.58E-02	2.96E+00	3.02E+00	1.74E+02	5.83E+00	4.38E-01	1.84E+02	2.93E+00	2.20E-03	5.83E-01	8.58E-02	3.61E+00
5787	489726.98	3859246.04	2.12E+00	1.77E-03	5.47E-01	6.94E-02	2.73E+00	2.79E+00	1.69E+02	5.47E+00	3.54E-01	1.78E+02	2.71E+00	2.14E-03	5.47E-01	6.94E-02	3.33E+00
5788	489911.46	3859366.33	2.03E+00	1.66E-03	5.17E-01	7.62E-02	2.62E+00	2.68E+00	1.59E+02	5.17E+00	3.89E-01	1.68E+02	2.60E+00	2.01E-03	5.17E-01	7.62E-02	3.19E+00
5789	490035.3	3859430.26	1.98E+00	1.65E-03	4.93E-01	7.15E-02	2.55E+00	2.62E+00	1.58E+02	4.93E+00	3.65E-01	1.66E+02	2.54E+00	2.00E-03	4.93E-01	7.15E-02	3.11E+00
5790	490101.11	3859458.61	1.97E+00	1.61E-03	4.82E-01	7.44E-02	2.52E+00	2.60E+00	1.55E+02	4.82E+00	3.80E-01	1.63E+02	2.52E+00	1.96E-03	4.82E-01	7.44E-02	3.08E+00
5791	490312.68	3859560.3	1.87E+00	1.49E-03	4.45E-01	8.32E-02	2.40E+00	2.47E+00	1.43E+02	4.45E+00	4.25E-01	1.51E+02	2.40E+00	1.81E-03	4.45E-01	8.32E-02	2.93E+00

5792	490401.63	3859603.12	1.83E+00	1.42E-03	4.34E-01	8.53E-02	2.35E+00	2.41E+00	1.37E+02	4.34E+00	4.36E-01	1.44E+02	2.34E+00	1.72E-03	4.34E-01	8.53E-02	2.86E+00
5793	490490.57	3859645.94	1.77E+00	1.38E-03	4.39E-01	8.63E-02	2.30E+00	2.34E+00	1.32E+02	4.39E+00	4.41E-01	1.40E+02	2.28E+00	1.67E-03	4.39E-01	8.63E-02	2.80E+00
5794	490579.51	3859688.76	1.74E+00	1.35E-03	4.43E-01	8.63E-02	2.27E+00	2.29E+00	1.30E+02	4.43E+00	4.41E-01	1.37E+02	2.23E+00	1.64E-03	4.43E-01	8.63E-02	2.76E+00
5795	490668.45	3859731.58	1.72E+00	1.32E-03	4.47E-01	8.48E-02	2.25E+00	2.27E+00	1.26E+02	4.47E+00	4.33E-01	1.33E+02	2.20E+00	1.59E-03	4.47E-01	8.48E-02	2.74E+00
5796	490757.4	3859774.4	1.68E+00	1.30E-03	4.47E-01	8.32E-02	2.21E+00	2.22E+00	1.25E+02	4.47E+00	4.25E-01	1.32E+02	2.16E+00	1.57E-03	4.47E-01	8.32E-02	2.69E+00
5797	491003.53	3859861.82	1.56E+00	1.23E-03	4.61E-01	7.78E-02	2.10E+00	2.05E+00	1.18E+02	4.61E+00	3.97E-01	1.25E+02	1.99E+00	1.49E-03	4.61E-01	7.78E-02	2.53E+00
5798	491081.41	3859879.05	1.49E+00	1.21E-03	4.66E-01	7.65E-02	2.03E+00	1.97E+00	1.16E+02	4.66E+00	3.91E-01	1.23E+02	1.91E+00	1.47E-03	4.66E-01	7.65E-02	2.45E+00
5799	491229.76	3859917.82	1.46E+00	1.18E-03	4.66E-01	7.35E-02	2.00E+00	1.92E+00	1.13E+02	4.66E+00	3.75E-01	1.20E+02	1.87E+00	1.43E-03	4.66E-01	7.35E-02	2.41E+00
5800	491300.22	3859939.35	1.44E+00	1.16E-03	4.62E-01	7.19E-02	1.98E+00	1.91E+00	1.12E+02	4.62E+00	3.67E-01	1.18E+02	1.85E+00	1.41E-03	4.62E-01	7.19E-02	2.39E+00
5801	491350.49	3860012.03	1.38E+00	1.12E-03	4.41E-01	7.34E-02	1.90E+00	1.82E+00	1.07E+02	4.41E+00	3.75E-01	1.14E+02	1.77E+00	1.35E-03	4.41E-01	7.34E-02	2.29E+00
5802	491406.82	3860092.57	1.33E+00	1.12E-03	4.18E-01	7.71E-02	1.82E+00	1.75E+00	1.07E+02	4.18E+00	3.94E-01	1.14E+02	1.70E+00	1.36E-03	4.18E-01	7.71E-02	2.20E+00
5803	491483.37	3860121.96	1.31E+00	1.10E-03	4.18E-01	7.47E-02	1.81E+00	1.74E+00	1.06E+02	4.18E+00	3.81E-01	1.12E+02	1.68E+00	1.34E-03	4.18E-01	7.47E-02	2.18E+00
5804	491559.91	3860151.36	1.31E+00	1.09E-03	4.17E-01	7.14E-02	1.80E+00	1.73E+00	1.04E+02	4.17E+00	3.65E-01	1.10E+02	1.68E+00	1.32E-03	4.17E-01	7.14E-02	2.17E+00
5805	491711.81	3860237.76	1.32E+00	1.05E-03	4.24E-01	6.92E-02	1.82E+00	1.75E+00	1.01E+02	4.24E+00	3.54E-01	1.07E+02	1.69E+00	1.27E-03	4.24E-01	6.92E-02	2.19E+00
5806	491755.2	3860319.07	1.21E+00	1.04E-03	3.83E-01	5.85E-02	1.65E+00	1.60E+00	9.97E+01	3.83E+00	2.99E-01	1.05E+02	1.55E+00	1.26E-03	3.83E-01	5.85E-02	1.99E+00
5807	491704.71	3860366.54	1.26E+00	1.09E-03	3.57E-01	5.95E-02	1.68E+00	1.67E+00	1.04E+02	3.57E+00	3.04E-01	1.10E+02	1.62E+00	1.32E-03	3.57E-01	5.95E-02	2.04E+00
5808	491623.43	3860462.39	1.28E+00	1.19E-03	3.27E-01	6.18E-02	1.67E+00	1.69E+00	1.14E+02	3.27E+00	3.16E-01	1.20E+02	1.64E+00	1.44E-03	3.27E-01	6.18E-02	2.03E+00
5809	491534.02	3860439.85	1.37E+00	1.25E-03	3.85E-01	6.40E-02	1.82E+00	1.81E+00	1.20E+02	3.85E+00	3.27E-01	1.26E+02	1.76E+00	1.52E-03	3.85E-01	6.40E-02	2.21E+00
5810	491313.95	3860268.18	1.37E+00	1.22E-03	3.32E-01	6.69E-02	1.77E+00	1.81E+00	1.17E+02	3.32E+00	3.42E-01	1.23E+02	1.76E+00	1.48E-03	3.32E-01	6.69E-02	2.16E+00
5811	491187.12	3860143.56	1.43E+00	1.20E-03	3.42E-01	8.63E-02	1.86E+00	1.89E+00	1.15E+02	3.42E+00	4.41E-01	1.21E+02	1.83E+00	1.45E-03	3.42E-01	8.63E-02	2.26E+00
5812	491070.43	3860075.97	1.49E+00	1.21E-03	3.56E-01	9.56E-02	1.94E+00	1.97E+00	1.16E+02	3.56E+00	4.89E-01	1.22E+02	1.91E+00	1.46E-03	3.56E-01	9.56E-02	2.36E+00
5813	490995.09	3860039.39	1.53E+00	1.22E-03	3.65E-01	9.77E-02	1.99E+00	2.02E+00	1.17E+02	3.65E+00	4.99E-01	1.24E+02	1.96E+00	1.48E-03	3.65E-01	9.77E-02	2.42E+00
5814	490919.75	3860002.8	1.56E+00	1.25E-03	3.75E-01	9.84E-02	2.04E+00	2.07E+00	1.20E+02	3.75E+00	5.03E-01	1.26E+02	2.00E+00	1.51E-03	3.75E-01	9.84E-02	2.48E+00
5815	490756.81	3859894.53	1.65E+00	1.30E-03	3.97E-01	8.70E-02	2.14E+00	2.18E+00	1.24E+02	3.97E+00	4.44E-01	1.31E+02	2.12E+00	1.57E-03	3.97E-01	8.70E-02	2.60E+00
5816	490668.07	3859860.92	1.68E+00	1.33E-03	4.07E-01	8.24E-02	2.17E+00	2.21E+00	1.28E+02	4.07E+00	4.21E-01	1.34E+02	2.15E+00	1.61E-03	4.07E-01	8.24E-02	2.64E+00
5817	490579.34	3859827.3	1.70E+00	1.37E-03	4.19E-01	8.24E-02	2.20E+00	2.24E+00	1.31E+02	4.19E+00	4.21E-01	1.38E+02	2.17E+00	1.66E-03	4.19E-01	8.24E-02	2.68E+00
5818	490490.6	3859793.68	1.69E+00	1.41E-03	4.28E-01	8.37E-02	2.21E+00	2.24E+00	1.35E+02	4.28E+00	4.27E-01	1.42E+02	2.17E+00	1.70E-03	4.28E-01	8.37E-02	2.68E+00
5819	490401.86	3859760.07	1.68E+00	1.44E-03	4.36E-01	8.44E-02	2.20E+00	2.22E+00	1.38E+02	4.36E+00	4.31E-01	1.45E+02	2.15E+00	1.74E-03	4.36E-01	8.44E-02	2.68E+00
5820	490313.12	3859726.45	1.74E+00	1.48E-03	4.44E-01	8.45E-02	2.27E+00	2.30E+00	1.42E+02	4.44E+00	4.32E-01	1.49E+02	2.23E+00	1.79E-03	4.44E-01	8.45E-02	2.76E+00
5821	490224.39	3859692.83	1.81E+00	1.52E-03	4.51E-01	8.39E-02	2.34E+00	2.39E+00	1.46E+02	4.51E+00	4.29E-01	1.53E+02	2.32E+00	1.84E-03	4.51E-01	8.39E-02	2.85E+00
5822	490135.65	3859659.22	1.86E+00	1.56E-03	4.57E-01	8.25E-02	2.41E+00	2.46E+00	1.50E+02	4.57E+00	4.21E-01	1.57E+02	2.39E+00	1.89E-03	4.57E-01	8.25E-02	2.93E+00
5823	489918.19	3859559.23	2.03E+00	1.65E-03	4.68E-01	7.39E-02	2.58E+00	2.68E+00	1.58E+02	4.68E+00	3.77E-01	1.66E+02	2.61E+00	2.00E-03	4.68E-01	7.39E-02	3.15E+00
5824	489743.61	3859486	2.14E+00	1.78E-03	4.60E-01	7.66E-02	2.68E+00	2.83E+00	1.71E+02	4.60E+00	3.91E-01	1.79E+02	2.75E+00	2.16E-03	4.60E-01	7.66E-02	3.29E+00
5825	489660.32	3859440.27	2.18E+00	1.85E-03	4.58E-01	7.68E-02	2.72E+00	2.88E+00	1.77E+02	4.58E+00	3.92E-01	1.85E+02	2.79E+00	2.24E-03	4.58E-01	7.68E-02	3.33E+00
5826	489577.04	3859394.53	2.21E+00	1.91E-03	4.55E-01	7.42E-02	2.74E+00	2.91E+00	1.83E+02	4.55E+00	3.79E-01	1.91E+02	2.83E+00	2.32E-03	4.55E-01	7.42E-02	3.36E+00
5827	489493.75	3859348.8	2.22E+00	1.99E-03	4.48E-01	7.21E-02	2.74E+00	2.93E+00	1.91E+02	4.48E+00	3.68E-01	1.98E+02	2.85E+00	2.41E-03	4.48E-01	7.21E-02	3.37E+00
5828	489321.28	3859240.02	2.26E+00	2.13E-03	4.39E-01	8.89E-02	2.79E+00	2.98E+00	2.05E+02	4.39E+00	4.54E-01	2.12E+02	2.89E+00	2.58E-03	4.39E-01	8.89E-02	3.42E+00
5829	489235.41	3859193.96	2.37E+00	2.17E-03	4.23E-01	8.50E-02	2.89E+00	3.14E+00	2.08E+02	4.23E+00	4.34E-01	2.16E+02	3.04E+00	2.63E-03	4.23E-01	8.50E-02	3.56E+00
5830	489149.54	3859147.89	2.50E+00	2.32E-03	4.00E-01	8.25E-02	2.98E+00	3.30E+00	2.22E+02	4.00E+00	4.22E-01	2.30E+02	3.20E+00	2.81E-03	4.00E-01	8.25E-02	3.69E+00
5831	489063.68	3859101.82	2.62E+00	2.42E-03	3.76E-01	8.89E-02	3.09E+00	3.46E+00	2.32E+02	3.76E+00	4.54E-01	2.40E+02	3.36E+00	2.93E-03	3.76E-01	8.89E-02	3.83E+00
5832	488977.81	3859055.75	2.73E+00	2.51E-03	3.97E-01	1.24E-01	3.26E+00	3.61E+00	2.41E+02	3.97E+00	6.32E-01	2.49E+02	3.50E+00	3.04E-03	3.97E-01	1.24E-01	4.03E+00
5833	488891.94	3859009.69	2.81E+00	2.69E-03	4.11E-01	1.48E-01	3.37E+00	3.71E+00	2.58E+02	4.11E+00	7.56E-01	2.67E+02	3.60E+00	3.26E-03	4.11E-01	1.48E-01	4.16E+00
5834	488808	3859060.73	2.65E+00	3.03E-03	4.63E-01	1.50E-01	3.27E+00	3.51E+00	2.90E+02	4.63E+00	7.68E-01	2.99E+02	3.40E+00	3.66E-03	4.63E-01	1.50E-01	4.02E+00
5835	488809.93	3859157.85	2.60E+00	3.31E-03	4.69E-01	1.55E-01	3.22E+00	3.43E+00	3.18E+02	4.69E+00	7.89E-01	3.27E+02	3.33E+00	4.01E-03	4.69E-01	1.55E-01	3.96E+00
5836	488811.86	3859254.96	2.54E+00	3.68E-03	4.53E-01	1.51E-01	3.15E+00	3.35E+00	3.52E+02	4.53E+00	7.74E-01	3.61E+02	3.26E+00	4.45E-03	4.53E-01	1.51E-01	3.86E+00
5837	488813.78	3859352.07	2.42E+00	3.95E-03	4.24E-01	1.39E-01	2.99E+00	3.20E+00	3.78E+02	4.24E+00	7.11E-01	3.87E+02	3.11E+00	4.78E-03	4.24E-01	1.39E-01	3.67E+00
5838	488815.71	3859449.19	2.26E+00	4.24E-03	3.86E-01	1.20E-01	2.77E+00	2.98E+00	4.06E+02	3.86E+00	6.15E-01	4.14E+02	2.89E+00	5.13E-03	3.86E-01	1.20E-01	3.40E+00
5839	488910.04	3859547.11	2.18E+00	3.90E-03	3.94E-01	1.32E-01	2.71E+00	2.89E+00	3.74E+02	3.94E+00	6.73E-01	3.82E+02	2.80E+00	4.73E-03	3.94E-01	1.32E-01	3.33E+00
5840	489002.45	3859547.91	2.26E+00	3.51E-03	4.18E-01	1.23E-01	2.80E+00	2.98E+00	3.37E+02	4.18E+00	6.28E-01	3.44E+02	2.89E+00	4.25E-03	4.18E-01	1.23E-01	3.44E+00
5841	489094.85	3859548.72	2.27E+00	3.20E-03	4.12E-01	1.10E-01	2.80E+00	3.00E+00	3.07E+02	4.12E+00	5.64E-01	3.15E+02	2.91E+00	3.88E-03	4.12E-01	1.10E-01	3.44E+00
5842	489230.05	3859601.87	2.19E+00	2.95E-03	3.76E-01	1.01E-01	2.67E+00	2.90E+00	2.83E+02	3.76E+00	5.18E-01	2.90E+02	2.81E+00	3.58E-03	3.76E-01	1.01E-01	3.29E+00
5843	489227.52	3859680.89	2.16E+00	3.05E-03	3.83E-01	9.28E-02	2.64E+00	2.86E+00	2.92E+02	3.83E+00	4.74E-01	2.99E+02	2.77E+00	3.69E-03	3.83E-01	9.28E-02	3.25E+00
5844	489133.47	3859760.29	2.06E+00	3.22E-03	3.91E-01	1.12E-01	2.57E+00	2.72E+00	3.09E+02	3.91E+00	5.74E-01	3.16E+02	2.64E+00	3.90E-03	3.91E-01	1.12E-01	3.15E+00
5845	489041.96	3859760.67	1.95E+00	3.20E-03	3.74E-01	1.23E-01	2.45E+00	2.57E+00	3.07E+02	3.74E+00	6.29E-01	3.14E+02	2.49E+00	3.88E-03	3.74E-01	1.23E-01	2.99E+00
5846	488950.45	3859761.05	2.07E+00	3.11E-03	3.63E-01	1.37E-01	2.57E+00	2.73E+00	2.98E+02	3.63E+00	6.98E-01	3.05E+02	2.65E+00	3.77E-03	3.63E-01	1.37E-01	3.16E+00
5847	488858.94	3859761.43	2.12E+00	3.02E-03	3.95E-01	1.74E-01	2.69E+00	2.80E+00	2.90E+02	3.95E+00	8.91E-01	2.97E+02	2.72E+00	3.66E-03	3.95E-01	1.74E-01	3.29E+00
5848	488767.43	3859761.82	2.13E+00	3.01E-03	3.48E-01	2.28E-01	2.71E+00	2.82E+00	2.89E+02	3.48E+00	1.16E+00	2.96E+02	2.73E+00	3.65E-03	3.48E-01	2.28E-01	3.31E+00
5849	488675.92	3859762.2	2.04E+00	3.04E-03	2.47E-01	2.99E-01	2.59E+00	2.69E+00	2.92E+02	2.47E+00	1.53E+00	2.98E+02	2.61E+00	3.68E-03	2.47E-01	2.99E-01	3.16E+00
5850	488584.41	3859762.58	1.90E+00	3.27E-03	2.22E-01	3.66E-01	2.49E+00	2.51E+00	3.14E+02	2.22E+00	1.87E+00	3.20E+02	2.43E+00	3.96E-03	2.22E-01	3.66E-01	3.03E+00
5851	488492.9	3859762.96	2.25E+00	3.66E-03	2.90E-01	3.25E-01	2.87E+00	2.98E+00	3.51E+02	2.90E+00	1.66E+00	3.58E+02	2.89E+00	4.43E-03	2.90E-01	3.25E-01	3.51E+00
5852	488402.76	3859830.95	2.59E+00	4.26E-03	3.06E-01	4.62E-01	3.37E+00	3.43E+00	4.08E+02	3.06E+00	2.36E+00	4.17E+02	3.33E+00	5.16E-03	3.06E-01	4.62E-01	4.10E+00

5853	488404.14	3859898.55	2.61E+00	4.29E-03	3.12E-01	3.94E-01	3.32E+00	3.45E+00	4.12E+02	3.12E+00	2.01E+00	4.20E+02	3.35E+00	5.20E-03	3.12E-01	3.94E-01	4.06E+00
5854	488505.18	3859964.96	2.46E+00	3.64E-03	3.22E-01	3.66E-01	3.15E+00	3.24E+00	3.49E+02	3.22E+00	1.87E+00	3.58E+02	3.15E+00	4.41E-03	3.22E-01	3.66E-01	3.84E+00
5855	488604.85	3859963.76	2.18E+00	3.30E-03	2.77E-01	2.88E-01	2.75E+00	2.88E+00	3.16E+02	2.77E+00	1.47E+00	3.23E+02	2.80E+00	3.99E-03	2.77E-01	2.88E-01	3.37E+00
5856	488704.51	3859962.56	1.82E+00	3.05E-03	1.97E-01	2.39E-01	2.26E+00	2.41E+00	2.93E+02	1.97E+00	1.22E+00	2.98E+02	2.34E+00	3.70E-03	1.97E-01	2.39E-01	2.78E+00
5857	488804.18	3859961.37	1.88E+00	2.87E-03	3.05E-01	2.68E-01	2.46E+00	2.49E+00	2.75E+02	3.05E+00	1.37E+00	2.82E+02	2.41E+00	3.47E-03	3.05E-01	2.68E-01	2.99E+00
5858	488903.85	3859960.17	2.01E+00	2.67E-03	3.77E-01	3.23E-01	2.71E+00	2.65E+00	2.56E+02	3.77E+00	1.65E+00	2.64E+02	2.57E+00	3.23E-03	3.77E-01	3.23E-01	3.27E+00
5859	489003.52	3859958.97	2.01E+00	2.59E-03	3.76E-01	3.08E-01	2.69E+00	2.65E+00	2.48E+02	3.76E+00	1.58E+00	2.56E+02	2.57E+00	3.13E-03	3.76E-01	3.08E-01	3.26E+00
5860	489103.18	3859957.77	1.95E+00	2.58E-03	3.43E-01	2.60E-01	2.56E+00	2.58E+00	2.48E+02	3.43E+00	1.33E+00	2.55E+02	2.50E+00	3.13E-03	3.43E-01	2.60E-01	3.11E+00
5861	489201.48	3860046.59	1.89E+00	2.44E-03	3.66E-01	2.46E-01	2.50E+00	2.49E+00	2.34E+02	3.66E+00	1.26E+00	2.42E+02	2.42E+00	2.96E-03	3.66E-01	2.46E-01	3.03E+00
5862	489200.11	3860136.61	1.86E+00	2.34E-03	3.60E-01	1.59E-01	2.39E+00	2.46E+00	2.24E+02	3.60E+00	8.14E-01	2.31E+02	2.39E+00	2.83E-03	3.60E-01	1.59E-01	2.91E+00
5863	489198.74	3860226.63	1.86E+00	2.39E-03	3.48E-01	1.77E-01	2.39E+00	2.46E+00	2.29E+02	3.48E+00	9.04E-01	2.36E+02	2.39E+00	2.89E-03	3.48E-01	1.77E-01	2.92E+00
5864	489197.38	3860316.66	1.81E+00	2.96E-03	3.37E-01	2.19E-01	2.37E+00	2.39E+00	2.84E+02	3.37E+00	1.12E+00	2.91E+02	2.32E+00	3.59E-03	3.37E-01	2.19E-01	2.88E+00
5865	489196.01	3860406.68	1.72E+00	3.58E-03	3.44E-01	2.22E-01	2.29E+00	2.27E+00	3.44E+02	3.44E+00	1.13E+00	3.51E+02	2.20E+00	4.34E-03	3.44E-01	2.22E-01	2.77E+00
5866	489194.64	3860496.7	1.58E+00	4.01E-03	3.38E-01	2.38E-01	2.16E+00	2.08E+00	3.85E+02	3.38E+00	1.21E+00	3.91E+02	2.02E+00	4.86E-03	3.38E-01	2.38E-01	2.60E+00
5867	489193.27	3860586.72	1.49E+00	4.26E-03	3.29E-01	2.25E-01	2.05E+00	1.97E+00	4.09E+02	3.29E+00	1.15E+00	4.15E+02	1.91E+00	5.17E-03	3.29E-01	2.25E-01	2.47E+00
5868	489092.02	3860678.13	1.72E+00	3.95E-03	2.69E-01	2.75E-01	2.27E+00	2.27E+00	3.79E+02	2.69E+00	1.40E+00	3.85E+02	2.20E+00	4.78E-03	2.69E-01	2.75E-01	2.75E+00
5869	488992.13	3860679.53	1.96E+00	4.02E-03	2.04E-01	2.73E-01	2.44E+00	2.58E+00	3.86E+02	2.04E+00	1.39E+00	3.92E+02	2.51E+00	4.87E-03	2.04E-01	2.73E-01	2.99E+00
5870	488892.25	3860680.92	2.13E+00	4.03E-03	2.12E-01	2.01E-01	2.54E+00	2.81E+00	3.87E+02	2.12E+00	1.03E+00	3.92E+02	2.73E+00	4.88E-03	2.12E-01	2.01E-01	3.15E+00
5871	488792.36	3860682.31	2.21E+00	4.18E-03	2.91E-01	1.70E-01	2.68E+00	2.93E+00	4.01E+02	2.91E+00	8.69E-01	4.08E+02	2.84E+00	5.07E-03	2.91E-01	1.70E-01	3.30E+00
5872	488692.48	3860683.7	2.22E+00	4.32E-03	3.39E-01	1.92E-01	2.76E+00	2.93E+00	4.14E+02	3.39E+00	9.80E-01	4.21E+02	2.85E+00	5.23E-03	3.39E-01	1.92E-01	3.38E+00
5873	488592.59	3860685.1	2.14E+00	4.35E-03	3.29E-01	3.61E-01	2.84E+00	2.83E+00	4.17E+02	3.29E+00	1.85E+00	4.25E+02	2.75E+00	5.27E-03	3.29E-01	3.61E-01	3.44E+00
5874	488492.71	3860686.49	2.02E+00	4.53E-03	2.93E-01	3.29E-01	2.65E+00	2.67E+00	4.34E+02	2.93E+00	1.68E+00	4.42E+02	2.59E+00	5.49E-03	2.93E-01	3.29E-01	3.22E+00
5875	488299.07	3860762.18	1.56E+00	4.41E-03	3.23E-01	1.03E-01	1.99E+00	2.05E+00	4.23E+02	3.23E+00	5.25E-01	4.29E+02	1.99E+00	5.35E-03	3.23E-01	1.03E-01	2.43E+00
5876	488205.32	3860764.09	1.33E+00	4.30E-03	3.22E-01	5.76E-02	1.72E+00	1.76E+00	4.12E+02	3.22E+00	2.94E-01	4.18E+02	1.71E+00	5.21E-03	3.22E-01	5.76E-02	2.09E+00
5877	488111.56	3860766	1.11E+00	4.01E-03	4.04E-01	8.45E-02	1.60E+00	1.47E+00	3.85E+02	4.04E+00	4.32E-01	3.91E+02	1.42E+00	4.86E-03	4.04E-01	8.45E-02	1.92E+00
5878	488017.81	3860767.91	1.10E+00	3.58E-03	4.79E-01	1.22E-01	1.70E+00	1.45E+00	3.44E+02	4.79E+00	6.22E-01	3.50E+02	1.41E+00	4.34E-03	4.79E-01	1.22E-01	2.01E+00
5879	487924.06	3860769.81	1.10E+00	3.05E-03	5.40E-01	1.67E-01	1.81E+00	1.46E+00	2.92E+02	5.40E+00	8.55E-01	3.00E+02	1.41E+00	3.69E-03	5.40E-01	1.67E-01	2.12E+00
5880	487830.31	3860771.72	1.09E+00	2.41E-03	5.78E-01	1.97E-01	1.86E+00	1.44E+00	2.31E+02	5.78E+00	1.00E+00	2.39E+02	1.39E+00	2.92E-03	5.78E-01	1.97E-01	2.17E+00
5881	487736.55	3860773.63	1.06E+00	2.16E-03	5.87E-01	1.73E-01	1.82E+00	1.40E+00	2.07E+02	5.87E+00	8.84E-01	2.16E+02	1.36E+00	2.62E-03	5.87E-01	1.73E-01	2.12E+00
5882	487642.8	3860775.54	1.03E+00	2.23E-03	5.69E-01	1.48E-01	1.74E+00	1.35E+00	2.14E+02	5.69E+00	7.54E-01	2.21E+02	1.31E+00	2.70E-03	5.69E-01	1.48E-01	2.03E+00
5883	487549.48	3860684.71	1.04E+00	2.20E-03	5.18E-01	1.61E-01	1.72E+00	1.38E+00	2.11E+02	5.18E+00	8.20E-01	2.19E+02	1.34E+00	2.67E-03	5.18E-01	1.61E-01	2.02E+00
5884	487549.91	3860591.97	1.06E+00	2.42E-03	5.06E-01	1.13E-01	1.68E+00	1.39E+00	2.32E+02	5.06E+00	5.77E-01	2.39E+02	1.35E+00	2.94E-03	5.06E-01	1.13E-01	1.98E+00
5885	487550.34	3860499.23	1.08E+00	2.41E-03	4.96E-01	8.65E-02	1.66E+00	1.42E+00	2.31E+02	4.96E+00	4.42E-01	2.38E+02	1.38E+00	2.92E-03	4.96E-01	8.65E-02	1.97E+00
5886	487550.76	3860406.49	1.12E+00	2.38E-03	4.84E-01	7.05E-02	1.67E+00	1.47E+00	2.29E+02	4.84E+00	3.60E-01	2.35E+02	1.43E+00	2.89E-03	4.84E-01	7.05E-02	1.99E+00
5887	487551.19	3860313.75	1.15E+00	2.57E-03	4.55E-01	1.33E-01	1.74E+00	1.52E+00	2.46E+02	4.55E+00	6.80E-01	2.53E+02	1.48E+00	3.11E-03	4.55E-01	1.33E-01	2.07E+00
5888	487551.62	3860221.01	1.19E+00	2.75E-03	4.21E-01	1.47E-01	1.76E+00	1.57E+00	2.64E+02	4.21E+00	7.53E-01	2.70E+02	1.52E+00	3.33E-03	4.21E-01	1.47E-01	2.09E+00
5889	487552.05	3860128.27	1.23E+00	2.94E-03	3.87E-01	9.18E-02	1.71E+00	1.62E+00	2.82E+02	3.87E+00	4.69E-01	2.88E+02	1.57E+00	3.56E-03	3.87E-01	9.18E-02	2.06E+00
5890	487552.48	3860035.53	1.27E+00	3.13E-03	3.48E-01	1.35E-01	1.75E+00	1.67E+00	3.00E+02	3.48E+00	6.89E-01	3.06E+02	1.62E+00	3.79E-03	3.48E-01	1.35E-01	2.11E+00
5891	487552.91	3859942.79	1.29E+00	3.30E-03	3.01E-01	1.29E-01	1.73E+00	1.71E+00	3.16E+02	3.01E+00	6.59E-01	3.21E+02	1.66E+00	3.99E-03	3.01E-01	1.29E-01	2.09E+00
5892	487553.33	3859850.05	1.33E+00	3.51E-03	2.57E-01	1.38E-01	1.73E+00	1.76E+00	3.37E+02	2.57E+00	7.07E-01	3.42E+02	1.71E+00	4.25E-03	2.57E-01	1.38E-01	2.11E+00
5893	487553.76	3859757.31	1.45E+00	3.71E-03	2.18E-01	3.53E-01	2.02E+00	1.91E+00	3.56E+02	2.18E+00	1.80E+00	3.62E+02	1.86E+00	4.50E-03	2.18E-01	3.53E-01	2.43E+00
5894	487554.19	3859664.57	1.64E+00	3.85E-03	2.23E-01	4.46E-01	2.31E+00	2.17E+00	3.69E+02	2.23E+00	2.28E+00	3.76E+02	2.11E+00	4.66E-03	2.23E-01	4.46E-01	2.78E+00
5895	487460.2	3859571.05	1.55E+00	4.68E-03	2.03E-01	3.70E-01	2.13E+00	2.05E+00	4.49E+02	2.03E+00	1.89E+00	4.55E+02	1.99E+00	5.67E-03	2.03E-01	3.70E-01	2.57E+00
5896	487365.78	3859570.27	1.39E+00	4.82E-03	1.78E-01	3.46E-01	1.92E+00	1.83E+00	4.62E+02	1.78E+00	1.77E+00	4.68E+02	1.78E+00	5.84E-03	1.78E-01	3.46E-01	2.31E+00
5897	487271.36	3859569.48	1.35E+00	4.83E-03	1.92E-01	3.16E-01	1.86E+00	1.78E+00	4.63E+02	1.92E+00	1.61E+00	4.68E+02	1.73E+00	5.85E-03	1.92E-01	3.16E-01	2.24E+00
5898	487176.94	3859568.7	1.30E+00	4.76E-03	1.98E-01	3.24E-01	1.82E+00	1.71E+00	4.57E+02	1.98E+00	1.65E+00	4.62E+02	1.66E+00	5.77E-03	1.98E-01	3.24E-01	2.19E+00
5899	487082.51	3859567.92	1.25E+00	4.63E-03	1.92E-01	3.29E-01	1.77E+00	1.65E+00	4.44E+02	1.92E+00	1.68E+00	4.50E+02	1.60E+00	5.61E-03	1.92E-01	3.29E-01	2.13E+00
5900	486988.09	3859567.14	1.22E+00	4.40E-03	2.92E-01	3.30E-01	1.85E+00	1.61E+00	4.22E+02	2.92E+00	1.68E+00	4.28E+02	1.57E+00	5.33E-03	2.92E-01	3.30E-01	2.19E+00
5901	486893.67	3859566.36	1.19E+00	4.00E-03	3.59E-01	3.27E-01	1.88E+00	1.57E+00	3.84E+02	3.59E+00	1.67E+00	3.91E+02	1.53E+00	4.85E-03	3.59E-01	3.27E-01	2.22E+00
5902	486799.25	3859565.58	1.16E+00	2.98E-03	3.70E-01	3.21E-01	1.85E+00	1.53E+00	2.86E+02	3.70E+00	1.64E+00	2.93E+02	1.48E+00	3.61E-03	3.70E-01	3.21E-01	2.18E+00
5903	486704.83	3859564.79	1.11E+00	2.09E-03	3.26E-01	3.14E-01	1.75E+00	1.47E+00	2.01E+02	3.26E+00	1.60E+00	2.07E+02	1.42E+00	2.54E-03	3.26E-01	3.14E-01	2.06E+00
5904	486610.41	3859564.01	1.05E+00	2.05E-03	3.24E-01	3.04E-01	1.68E+00	1.39E+00	1.97E+02	3.24E+00	1.55E+00	2.03E+02	1.35E+00	2.48E-03	3.24E-01	3.04E-01	1.98E+00
5905	486515.99	3859563.23	9.94E-01	2.05E-03	3.48E-01	2.94E-01	1.64E+00	1.31E+00	1.96E+02	3.48E+00	1.50E+00	2.03E+02	1.27E+00	2.48E-03	3.48E-01	2.94E-01	1.92E+00
5906	486421.57	3859562.45	9.66E-01	2.04E-03	3.67E-01	2.83E-01	1.62E+00	1.28E+00	1.96E+02	3.67E+00	1.45E+00	2.02E+02	1.24E+00	2.47E-03	3.67E-01	2.83E-01	1.89E+00
5907	486327.14	3859561.67	9.32E-01	2.02E-03	3.81E-01	2.72E-01	1.59E+00	1.23E+00	1.94E+02	3.81E+00	1.39E+00	2.00E+02	1.19E+00	2.45E-03	3.81E-01	2.72E-01	1.85E+00
5908	486232.72	3859560.89	9.04E-01	1.98E-03	3.83E-01	2.61E-01	1.55E+00	1.19E+00	1.89E+02	3.83E+00	1.33E+00	1.96E+02	1.16E+00	2.39E-03	3.83E-01	2.61E-01	1.81E+00
5909	486138.3	3859560.1	8.93E-01	1.93E-03	3.77E-01	2.50E-01	1.52E+00	1.18E+00	1.85E+02	3.77E+00	1.28E+00	1.91E+02	1.15E+00	2.34E-03	3.77E-01	2.50E-01	1.78E+00
5910	486043.88	3859559.32	8.81E-01	1.88E-03	3.64E-01	2.39E-01	1.49E+00	1.16E+00	1.80E+02	3.64E+00	1.22E+00	1.86E+02	1.13E+00	2.28E-03	3.64E-01	2.39E-01	1.73E+00
5911	485949.35	3859463.54	8.85E-01	1.95E-03	3.86E-01	2.55E-01	1.53E+00	1.17E+00	1.87E+02	3.86E+00	1.30E+00	1.93E+02	1.13E+00	2.36E-03	3.86E-01	2.55E-01	1.78E+00
5912	485949.24	3859368.55	9.02E-01	2.00E-03	3.66E-01	2.29E-01	1.50E+00	1.19E+00	1.92E+02	3.66E+00	1.17E+00	1.98E+02	1.16E+00	2.43E-03	3.66E-01	2.29E-01	1.75E+00
5913	485949.12	3859273.55	9.20E-01	2.05E-03	3.51E-01	2.06E-01	1.48E+00	1.22E+00	1.96E+02	3.51E+00	1.05E+00	2.02E+02	1.18E+00	2.48E-03	3.51E-01	2.06E-01	1.74E+00

5914	485949.01	3859178.56	9.38E-01	2.12E-03	4.35E-01	2.23E-01	1.60E+00	1.24E+00	2.03E+02	4.35E+00	1.14E+00	2.10E+02	1.20E+00	2.57E-03	4.35E-01	2.23E-01	1.86E+00
5915	485948.9	3859083.56	9.59E-01	2.30E-03	5.10E-01	1.88E-01	1.66E+00	1.27E+00	2.21E+02	5.10E+00	9.59E-01	2.28E+02	1.23E+00	2.79E-03	5.10E-01	1.88E-01	1.93E+00
5916	485948.79	3858988.56	9.79E-01	2.64E-03	5.59E-01	1.60E-01	1.70E+00	1.29E+00	2.53E+02	5.59E+00	8.19E-01	2.61E+02	1.25E+00	3.20E-03	5.59E-01	1.60E-01	1.98E+00
5917	485948.67	3858893.57	9.98E-01	2.81E-03	5.68E-01	1.44E-01	1.71E+00	1.32E+00	2.70E+02	5.68E+00	7.34E-01	2.77E+02	1.28E+00	3.41E-03	5.68E-01	1.44E-01	1.99E+00
5918	485948.56	3858798.57	1.02E+00	2.81E-03	5.36E-01	1.35E-01	1.70E+00	1.35E+00	2.70E+02	5.36E+00	6.89E-01	2.77E+02	1.31E+00	3.41E-03	5.36E-01	1.35E-01	1.98E+00
5919	485948.45	3858703.58	1.04E+00	2.95E-03	4.62E-01	1.18E-01	1.62E+00	1.37E+00	2.83E+02	4.62E+00	6.03E-01	2.89E+02	1.33E+00	3.57E-03	4.62E-01	1.18E-01	1.92E+00
5920	485948.34	3858608.58	1.07E+00	3.06E-03	4.99E-01	1.46E-01	1.71E+00	1.41E+00	2.93E+02	4.99E+00	7.48E-01	3.00E+02	1.37E+00	3.70E-03	4.99E-01	1.46E-01	2.01E+00
5921	485948.22	3858513.59	1.09E+00	3.05E-03	5.42E-01	1.40E-01	1.78E+00	1.45E+00	2.92E+02	5.42E+00	7.16E-01	3.00E+02	1.40E+00	3.69E-03	5.42E-01	1.40E-01	2.09E+00
5922	485948.11	3858418.59	1.13E+00	2.98E-03	5.39E-01	1.78E-01	1.85E+00	1.50E+00	2.85E+02	5.39E+00	9.08E-01	2.93E+02	1.46E+00	3.60E-03	5.39E-01	1.78E-01	2.18E+00
5923	485948	3858323.59	1.18E+00	2.95E-03	4.92E-01	1.48E-01	1.82E+00	1.56E+00	2.83E+02	4.92E+00	7.54E-01	2.90E+02	1.51E+00	3.57E-03	4.92E-01	1.48E-01	2.16E+00
5924	485947.89	3858228.6	1.22E+00	3.06E-03	4.09E-01	9.96E-02	1.73E+00	1.61E+00	2.94E+02	4.09E+00	5.09E-01	3.00E+02	1.56E+00	3.71E-03	4.09E-01	9.96E-02	2.08E+00
5925	485947.77	3858133.6	1.26E+00	3.30E-03	4.82E-01	9.12E-02	1.84E+00	1.66E+00	3.16E+02	4.82E+00	4.66E-01	3.23E+02	1.61E+00	4.00E-03	4.82E-01	9.12E-02	2.19E+00
5926	485947.66	3858038.61	1.34E+00	3.51E-03	6.03E-01	8.54E-02	2.03E+00	1.77E+00	3.36E+02	6.03E+00	4.36E-01	3.44E+02	1.72E+00	4.25E-03	6.03E-01	8.54E-02	2.41E+00
5927	485854.54	3857943.35	1.30E+00	3.22E-03	6.54E-01	8.70E-02	2.05E+00	1.72E+00	3.09E+02	6.54E+00	4.44E-01	3.18E+02	1.67E+00	3.91E-03	6.54E-01	8.70E-02	2.42E+00
5928	485761.52	3857943.09	1.24E+00	2.89E-03	6.40E-01	1.19E-01	2.00E+00	1.63E+00	2.77E+02	6.40E+00	6.08E-01	2.86E+02	1.58E+00	3.50E-03	6.40E-01	1.19E-01	2.35E+00
5929	485668.51	3857942.83	1.20E+00	2.59E-03	6.28E-01	1.37E-01	1.97E+00	1.59E+00	2.48E+02	6.28E+00	7.01E-01	2.57E+02	1.54E+00	3.14E-03	6.28E-01	1.37E-01	2.31E+00
5930	485575.5	3857942.56	1.17E+00	2.43E-03	6.14E-01	1.26E-01	1.92E+00	1.55E+00	2.33E+02	6.14E+00	6.43E-01	2.42E+02	1.51E+00	2.95E-03	6.14E-01	1.26E-01	2.25E+00
5931	485482.48	3857942.3	1.15E+00	2.31E-03	6.03E-01	1.01E-01	1.86E+00	1.52E+00	2.22E+02	6.03E+00	5.15E-01	2.30E+02	1.48E+00	2.80E-03	6.03E-01	1.01E-01	2.18E+00
5932	485389.47	3857942.04	1.13E+00	2.34E-03	5.91E-01	8.65E-02	1.81E+00	1.49E+00	2.24E+02	5.91E+00	4.42E-01	2.32E+02	1.45E+00	2.83E-03	5.91E-01	8.65E-02	2.13E+00
5933	485296.46	3857941.78	1.11E+00	2.31E-03	5.80E-01	9.33E-02	1.79E+00	1.47E+00	2.22E+02	5.80E+00	4.77E-01	2.30E+02	1.42E+00	2.80E-03	5.80E-01	9.33E-02	2.10E+00
5934	485203.45	3857941.52	1.09E+00	2.32E-03	5.70E-01	1.08E-01	1.77E+00	1.44E+00	2.22E+02	5.70E+00	5.51E-01	2.30E+02	1.40E+00	2.81E-03	5.70E-01	1.08E-01	2.08E+00
5935	485110.43	3857941.26	1.07E+00	2.39E-03	5.59E-01	1.10E-01	1.74E+00	1.41E+00	2.29E+02	5.59E+00	5.63E-01	2.37E+02	1.37E+00	2.90E-03	5.59E-01	1.10E-01	2.05E+00
5936	485017.42	3857940.99	1.04E+00	2.54E-03	5.47E-01	9.08E-02	1.68E+00	1.38E+00	2.44E+02	5.47E+00	4.64E-01	2.51E+02	1.34E+00	3.08E-03	5.47E-01	9.08E-02	1.98E+00
5937	484924.41	3857940.73	1.00E+00	2.72E-03	5.36E-01	5.08E-02	1.59E+00	1.33E+00	2.61E+02	5.36E+00	2.60E-01	2.68E+02	1.29E+00	3.30E-03	5.36E-01	5.08E-02	1.88E+00
5938	484831.39	3857940.47	9.50E-01	2.88E-03	5.27E-01	7.68E-02	1.56E+00	1.25E+00	2.76E+02	5.27E+00	3.92E-01	2.83E+02	1.22E+00	3.49E-03	5.27E-01	7.68E-02	1.82E+00
5939	484738.12	3857859.3	9.99E-01	3.08E-03	5.34E-01	1.15E-01	1.65E+00	1.32E+00	2.95E+02	5.34E+00	5.89E-01	3.02E+02	1.28E+00	3.73E-03	5.34E-01	1.15E-01	1.93E+00
5940	484737.85	3857778.4	1.03E+00	3.16E-03	5.28E-01	1.19E-01	1.68E+00	1.36E+00	3.03E+02	5.28E+00	6.10E-01	3.10E+02	1.32E+00	3.83E-03	5.28E-01	1.19E-01	1.97E+00
5941	484737.59	3857697.49	1.05E+00	3.24E-03	4.98E-01	1.24E-01	1.68E+00	1.39E+00	3.11E+02	4.98E+00	6.32E-01	3.18E+02	1.35E+00	3.92E-03	4.98E-01	1.24E-01	1.98E+00
5942	484737.32	3857616.59	1.07E+00	3.32E-03	4.48E-01	1.29E-01	1.65E+00	1.42E+00	3.19E+02	4.48E+00	6.60E-01	3.25E+02	1.38E+00	4.02E-03	4.48E-01	1.29E-01	1.96E+00
5943	484645.53	3857535.18	1.08E+00	3.66E-03	3.89E-01	1.82E-01	1.65E+00	1.42E+00	3.51E+02	3.89E+00	9.31E-01	3.57E+02	1.38E+00	4.43E-03	3.89E-01	1.82E-01	1.96E+00
5944	484553.99	3857534.67	1.06E+00	3.86E-03	3.90E-01	1.17E-01	1.57E+00	1.40E+00	3.70E+02	3.90E+00	5.98E-01	3.76E+02	1.36E+00	4.67E-03	3.90E-01	1.17E-01	1.87E+00
5945	484462.46	3857534.17	1.05E+00	3.96E-03	3.91E-01	1.74E-01	1.62E+00	1.38E+00	3.80E+02	3.91E+00	8.88E-01	3.86E+02	1.34E+00	4.80E-03	3.91E-01	1.74E-01	1.91E+00
5946	484370.93	3857533.66	1.03E+00	3.94E-03	3.92E-01	1.18E-01	1.55E+00	1.36E+00	3.78E+02	3.92E+00	6.02E-01	3.84E+02	1.32E+00	4.78E-03	3.92E-01	1.18E-01	1.84E+00
5947	484279.4	3857533.16	1.02E+00	3.68E-03	3.92E-01	7.88E-02	1.49E+00	1.35E+00	3.53E+02	3.92E+00	4.03E-01	3.59E+02	1.31E+00	4.46E-03	3.92E-01	7.88E-02	1.78E+00
5948	484187.86	3857532.65	1.01E+00	3.04E-03	3.92E-01	1.71E-01	1.58E+00	1.34E+00	2.92E+02	3.92E+00	8.73E-01	2.98E+02	1.30E+00	3.69E-03	3.92E-01	1.71E-01	1.86E+00
5949	484096.33	3857532.15	1.01E+00	2.21E-03	3.92E-01	1.87E-01	1.59E+00	1.34E+00	2.12E+02	3.92E+00	9.55E-01	2.18E+02	1.30E+00	2.67E-03	3.92E-01	1.87E-01	1.88E+00
5950	484004.8	3857531.64	1.01E+00	1.84E-03	3.91E-01	1.41E-01	1.54E+00	1.33E+00	1.77E+02	3.91E+00	7.20E-01	1.83E+02	1.29E+00	2.23E-03	3.91E-01	1.41E-01	1.82E+00
5951	483913.27	3857531.14	9.96E-01	1.71E-03	3.89E-01	2.06E-01	1.59E+00	1.32E+00	1.64E+02	3.89E+00	1.05E+00	1.71E+02	1.28E+00	2.08E-03	3.89E-01	2.06E-01	1.87E+00
5952	483821.73	3857530.63	9.89E-01	1.49E-03	3.88E-01	2.43E-01	1.62E+00	1.31E+00	1.43E+02	3.88E+00	1.24E+00	1.50E+02	1.27E+00	1.81E-03	3.88E-01	2.43E-01	1.90E+00
5953	483729.61	3857450.11	1.02E+00	1.46E-03	3.45E-01	2.06E-01	1.58E+00	1.35E+00	1.40E+02	3.45E+00	1.05E+00	1.46E+02	1.31E+00	1.77E-03	3.45E-01	2.06E-01	1.86E+00
5954	483729.03	3857370.08	1.10E+00	1.62E-03	3.11E-01	2.10E-01	1.63E+00	1.46E+00	1.55E+02	3.11E+00	1.07E+00	1.61E+02	1.41E+00	1.96E-03	3.11E-01	2.10E-01	1.94E+00
5955	483728.44	3857290.06	1.15E+00	1.90E-03	3.30E-01	2.31E-01	1.71E+00	1.52E+00	1.82E+02	3.30E+00	1.18E+00	1.88E+02	1.47E+00	2.30E-03	3.30E-01	2.31E-01	2.04E+00
5956	483727.86	3857210.03	1.18E+00	2.10E-03	3.40E-01	2.52E-01	1.77E+00	1.56E+00	2.02E+02	3.40E+00	1.29E+00	2.08E+02	1.51E+00	2.55E-03	3.40E-01	2.52E-01	2.11E+00
5957	483641.15	3857129.07	1.19E+00	2.08E-03	3.36E-01	1.73E-01	1.70E+00	1.57E+00	1.99E+02	3.36E+00	8.85E-01	2.05E+02	1.53E+00	2.51E-03	3.36E-01	1.73E-01	2.04E+00
5958	483555.03	3857128.14	1.18E+00	1.96E-03	3.32E-01	1.99E-01	1.71E+00	1.56E+00	1.88E+02	3.32E+00	1.02E+00	1.94E+02	1.51E+00	2.38E-03	3.32E-01	1.99E-01	2.04E+00
5959	483468.91	3857127.2	1.16E+00	1.92E-03	3.28E-01	2.06E-01	1.69E+00	1.53E+00	1.84E+02	3.28E+00	1.05E+00	1.90E+02	1.48E+00	2.33E-03	3.28E-01	2.06E-01	2.02E+00
5960	483382.78	3857126.26	1.15E+00	1.80E-03	3.24E-01	2.00E-01	1.67E+00	1.52E+00	1.73E+02	3.24E+00	1.02E+00	1.79E+02	1.47E+00	2.18E-03	3.24E-01	2.00E-01	2.00E+00
5961	483296.66	3857125.32	1.13E+00	1.73E-03	3.19E-01	2.41E-01	1.70E+00	1.50E+00	1.66E+02	3.19E+00	1.23E+00	1.72E+02	1.45E+00	2.09E-03	3.19E-01	2.41E-01	2.02E+00
5962	483210.54	3857124.39	1.12E+00	1.67E-03	3.14E-01	2.43E-01	1.68E+00	1.48E+00	1.60E+02	3.14E+00	1.24E+00	1.66E+02	1.43E+00	2.03E-03	3.14E-01	2.43E-01	1.99E+00
5963	483123.4	3857030.96	1.12E+00	1.69E-03	3.12E-01	1.71E-01	1.61E+00	1.48E+00	1.62E+02	3.12E+00	8.74E-01	1.67E+02	1.44E+00	2.04E-03	3.12E-01	1.71E-01	1.93E+00
5964	483122.38	3856938.46	1.15E+00	1.84E-03	3.27E-01	1.54E-01	1.63E+00	1.52E+00	1.76E+02	3.27E+00	7.87E-01	1.82E+02	1.47E+00	2.22E-03	3.27E-01	1.54E-01	1.96E+00
5965	483121.35	3856845.97	1.18E+00	1.98E-03	3.43E-01	8.16E-02	1.60E+00	1.56E+00	1.90E+02	3.43E+00	4.17E-01	1.96E+02	1.51E+00	2.40E-03	3.43E-01	8.16E-02	1.94E+00
5966	483120.33	3856753.47	1.19E+00	2.26E-03	3.44E-01	5.21E-02	1.59E+00	1.58E+00	2.16E+02	3.44E+00	2.66E-01	2.22E+02	1.53E+00	2.73E-03	3.44E-01	5.21E-02	1.93E+00
5967	483119.31	3856660.98	1.21E+00	2.68E-03	3.34E-01	5.76E-02	1.61E+00	1.60E+00	2.57E+02	3.34E+00	2.94E-01	2.62E+02	1.55E+00	3.25E-03	3.34E-01	5.76E-02	1.95E+00
5968	483118.29	3856568.49	1.24E+00	2.99E-03	3.15E-01	6.05E-02	1.61E+00	1.63E+00	2.87E+02	3.15E+00	3.09E-01	2.92E+02	1.58E+00	3.63E-03	3.15E-01	6.05E-02	1.96E+00
5969	483117.26	3856475.99	1.27E+00	3.15E-03	3.05E-01	5.29E-02	1.63E+00	1.67E+00	3.02E+02	3.05E+00	2.70E-01	3.07E+02	1.62E+00	3.81E-03	3.05E-01	5.29E-02	1.98E+00
5970	483116.24	3856383.5	1.29E+00	3.38E-03	2.99E-01	5.74E-02	1.65E+00	1.70E+00	3.24E+02	2.99E+00	2.93E-01	3.29E+02	1.65E+00	4.10E-03	2.99E-01	5.74E-02	2.02E+00
5971	483115.22	3856291.01	1.32E+00	3.73E-03	3.16E-01	1.13E-01	1.75E+00	1.74E+00	3.57E+02	3.16E+00	5.78E-01	3.63E+02	1.69E+00	4.52E-03	3.16E-01	1.13E-01	2.12E+00
5972	483114.2	3856198.51	1.38E+00	4.05E-03	3.20E-01	1.11E-01	1.81E+00	1.82E+00	3.88E+02	3.20E+00	5.65E-01	3.94E+02	1.77E+00	4.91E-03	3.20E-01	1.11E-01	2.20E+00
5973	483113.17	3856106.02	1.44E+00	4.18E-03	3.13E-01	1.50E-01	1.91E+00	1.91E+00	4.00E+02	3.13E+00	7.65E-01	4.06E+02	1.85E+00	5.06E-03	3.13E-01	1.50E-01	2.32E+00
5974	483112.15	3856013.52	1.49E+00	4.24E-03	3.18E-01	1.81E-01	1.99E+00	1.97E+00	4.07E+02	3.18E+00	9.25E-01	4.13E+02	1.91E+00	5.14E-03	3.18E-01	1.81E-01	2.41E+00

5975	483029.25	3855920.47	1.51E+00	3.98E-03	3.61E-01	1.59E-01	2.03E+00	1.99E+00	3.82E+02	3.61E+00	8.11E-01	3.88E+02	1.94E+00	4.82E-03	3.61E-01	1.59E-01	2.46E+00
5976	482947.37	3855919.91	1.48E+00	3.84E-03	3.42E-01	1.56E-01	1.98E+00	1.96E+00	3.68E+02	3.42E+00	7.97E-01	3.74E+02	1.90E+00	4.65E-03	3.42E-01	1.56E-01	2.40E+00
5977	482865.49	3855919.36	1.45E+00	3.69E-03	3.19E-01	1.53E-01	1.93E+00	1.92E+00	3.54E+02	3.19E+00	7.81E-01	3.60E+02	1.86E+00	4.47E-03	3.19E-01	1.53E-01	2.34E+00
5978	482783.61	3855918.8	1.43E+00	3.50E-03	3.30E-01	1.37E-01	1.90E+00	1.89E+00	3.36E+02	3.30E+00	6.98E-01	3.42E+02	1.84E+00	4.25E-03	3.30E-01	1.37E-01	2.31E+00
5979	482700.33	3855818.39	1.45E+00	3.42E-03	3.44E-01	1.41E-01	1.94E+00	1.91E+00	3.28E+02	3.44E+00	7.18E-01	3.34E+02	1.86E+00	4.14E-03	3.44E-01	1.41E-01	2.34E+00
5980	482698.92	3855718.54	1.49E+00	3.36E-03	4.00E-01	1.22E-01	2.02E+00	1.97E+00	3.22E+02	4.00E+00	6.23E-01	3.29E+02	1.91E+00	4.07E-03	4.00E-01	1.22E-01	2.44E+00
5981	482697.52	3855618.68	1.54E+00	3.57E-03	4.18E-01	1.35E-01	2.09E+00	2.03E+00	3.42E+02	4.18E+00	6.89E-01	3.49E+02	1.97E+00	4.32E-03	4.18E-01	1.35E-01	2.53E+00
5982	482696.11	3855518.83	1.62E+00	3.54E-03	4.07E-01	1.22E-01	2.15E+00	2.14E+00	3.40E+02	4.07E+00	6.25E-01	3.47E+02	2.08E+00	4.29E-03	4.07E-01	1.22E-01	2.61E+00
5983	482694.71	3855418.98	1.71E+00	4.06E-03	3.60E-01	1.35E-01	2.21E+00	2.26E+00	3.89E+02	3.60E+00	6.88E-01	3.96E+02	2.19E+00	4.92E-03	3.60E-01	1.35E-01	2.69E+00
5984	482693.3	3855319.13	1.81E+00	4.30E-03	2.95E-01	1.42E-01	2.25E+00	2.39E+00	4.13E+02	2.95E+00	7.24E-01	4.19E+02	2.32E+00	5.21E-03	2.95E-01	1.42E-01	2.76E+00
5985	482691.9	3855219.27	1.95E+00	4.33E-03	2.22E-01	1.82E-01	2.35E+00	2.57E+00	4.15E+02	2.22E+00	9.30E-01	4.21E+02	2.50E+00	5.24E-03	2.22E-01	1.82E-01	2.90E+00
5986	482690.49	3855119.42	2.06E+00	4.23E-03	1.55E-01	2.75E-01	2.49E+00	2.72E+00	4.06E+02	1.55E+00	1.41E+00	4.11E+02	2.64E+00	5.13E-03	1.55E-01	2.75E-01	3.08E+00
5987	482689.09	3855019.57	2.18E+00	3.64E-03	1.30E-01	3.11E-01	2.62E+00	2.88E+00	3.49E+02	1.30E+00	1.59E+00	3.55E+02	2.79E+00	4.41E-03	1.30E-01	3.11E-01	3.24E+00
5988	482687.68	3854919.72	2.27E+00	3.25E-03	1.24E-01	2.09E-01	2.61E+00	3.00E+00	3.12E+02	1.24E+00	1.07E+00	3.17E+02	2.92E+00	3.94E-03	1.24E-01	2.09E-01	3.25E+00
5989	482686.28	3854819.86	2.47E+00	2.94E-03	1.20E-01	1.95E-01	2.79E+00	3.26E+00	2.82E+02	1.20E+00	9.96E-01	2.88E+02	3.16E+00	3.57E-03	1.20E-01	1.95E-01	3.48E+00
5990	482684.88	3854720.01	2.63E+00	2.65E-03	1.37E-01	1.66E-01	2.94E+00	3.48E+00	2.54E+02	1.37E+00	8.48E-01	2.59E+02	3.38E+00	3.20E-03	1.37E-01	1.66E-01	3.68E+00
5991	482683.47	3854620.16	2.74E+00	2.17E-03	1.54E-01	1.43E-01	3.04E+00	3.62E+00	2.08E+02	1.54E+00	7.31E-01	2.14E+02	3.51E+00	2.63E-03	1.54E-01	1.43E-01	3.81E+00
5992	482682.07	3854520.31	2.74E+00	1.86E-03	1.71E-01	1.22E-01	3.03E+00	3.62E+00	1.79E+02	1.71E+00	6.25E-01	1.85E+02	3.51E+00	2.26E-03	1.71E-01	1.22E-01	3.81E+00
5993	482680.66	3854420.45	3.01E+00	1.71E-03	1.88E-01	1.89E-01	3.39E+00	3.97E+00	1.64E+02	1.88E+00	9.66E-01	1.71E+02	3.85E+00	2.07E-03	1.88E-01	1.89E-01	4.23E+00
5994	482679.26	3854320.6	3.31E+00	1.62E-03	2.04E-01	2.33E-01	3.75E+00	4.37E+00	1.55E+02	2.04E+00	1.19E+00	1.63E+02	4.24E+00	1.96E-03	2.04E-01	2.33E-01	4.68E+00
5995	482677.85	3854220.75	3.55E+00	1.54E-03	2.19E-01	2.25E-01	4.00E+00	4.70E+00	1.48E+02	2.19E+00	1.15E+00	1.56E+02	4.56E+00	1.86E-03	2.19E-01	2.25E-01	5.00E+00
5996	482676.45	3854120.9	3.73E+00	1.51E-03	2.32E-01	1.84E-01	4.14E+00	4.92E+00	1.45E+02	2.32E+00	9.41E-01	1.53E+02	4.78E+00	1.83E-03	2.32E-01	1.84E-01	5.19E+00
5997	482675.04	3854021.04	3.71E+00	1.44E-03	2.43E-01	1.45E-01	4.10E+00	4.91E+00	1.38E+02	2.43E+00	7.38E-01	1.46E+02	4.76E+00	1.74E-03	2.43E-01	1.45E-01	5.15E+00
5998	482673.64	3853921.19	3.54E+00	1.42E-03	2.51E-01	1.17E-01	3.91E+00	4.67E+00	1.36E+02	2.51E+00	5.99E-01	1.44E+02	4.53E+00	1.72E-03	2.51E-01	1.17E-01	4.90E+00
5999	482672.23	3853821.34	3.34E+00	1.36E-03	2.56E-01	1.02E-01	3.70E+00	4.41E+00	1.30E+02	2.56E+00	5.21E-01	1.38E+02	4.28E+00	1.65E-03	2.56E-01	1.02E-01	4.64E+00
6000	482670.83	3853721.49	3.27E+00	1.28E-03	2.58E-01	1.06E-01	3.63E+00	4.32E+00	1.23E+02	2.58E+00	5.40E-01	1.30E+02	4.19E+00	1.55E-03	2.58E-01	1.06E-01	4.55E+00
6001	482669.42	3853621.63	3.63E+00	1.21E-03	2.58E-01	1.06E-01	4.00E+00	4.80E+00	1.16E+02	2.58E+00	5.40E-01	1.24E+02	4.66E+00	1.47E-03	2.58E-01	1.06E-01	5.02E+00
6002	482645.99	3853446.13	3.77E+00	1.11E-03	2.51E-01	9.13E-02	4.11E+00	4.98E+00	1.06E+02	2.51E+00	4.66E-01	1.14E+02	4.83E+00	1.34E-03	2.51E-01	9.13E-02	5.17E+00
6003	482623.97	3853370.49	3.71E+00	1.08E-03	2.46E-01	8.60E-02	4.04E+00	4.90E+00	1.04E+02	2.46E+00	4.39E-01	1.12E+02	4.76E+00	1.31E-03	2.46E-01	8.60E-02	5.09E+00
6004	482601.94	3853294.84	3.54E+00	1.06E-03	2.41E-01	8.07E-02	3.86E+00	4.67E+00	1.02E+02	2.41E+00	4.12E-01	1.09E+02	4.54E+00	1.28E-03	2.41E-01	8.07E-02	4.86E+00
6005	482531.29	3853133.44	3.13E+00	1.03E-03	2.29E-01	7.13E-02	3.43E+00	4.14E+00	9.91E+01	2.29E+00	3.64E-01	1.06E+02	4.01E+00	1.25E-03	2.29E-01	7.13E-02	4.32E+00
6006	482482.68	3853047.69	3.12E+00	1.02E-03	2.22E-01	6.61E-02	3.41E+00	4.13E+00	9.80E+01	2.22E+00	3.38E-01	1.05E+02	4.00E+00	1.24E-03	2.22E-01	6.61E-02	4.29E+00
6007	482383.09	3852897.4	3.05E+00	1.01E-03	2.12E-01	6.24E-02	3.32E+00	4.03E+00	9.72E+01	2.12E+00	3.19E-01	1.04E+02	3.91E+00	1.23E-03	2.12E-01	6.24E-02	4.18E+00
6008	482265.64	3852765.26	2.92E+00	9.65E-04	2.06E-01	5.77E-02	3.18E+00	3.85E+00	9.26E+01	2.06E+00	2.95E-01	9.88E+01	3.74E+00	1.17E-03	2.06E-01	5.77E-02	4.00E+00
6009	482199.16	3852697.66	2.85E+00	9.33E-04	2.03E-01	5.50E-02	3.11E+00	3.76E+00	8.95E+01	2.03E+00	2.81E-01	9.56E+01	3.65E+00	1.13E-03	2.03E-01	5.50E-02	3.91E+00
6010	482132.69	3852630.07	2.79E+00	9.22E-04	2.00E-01	5.23E-02	3.04E+00	3.68E+00	8.85E+01	2.00E+00	2.67E-01	9.44E+01	3.57E+00	1.12E-03	2.00E-01	5.23E-02	3.83E+00
6011	482066.21	3852562.48	2.73E+00	9.11E-04	1.97E-01	4.97E-02	2.97E+00	3.60E+00	8.74E+01	1.97E+00	2.54E-01	9.32E+01	3.50E+00	1.10E-03	1.97E-01	4.97E-02	3.74E+00
6012	481999.74	3852494.89	2.66E+00	9.01E-04	1.95E-01	4.71E-02	2.91E+00	3.52E+00	8.65E+01	1.95E+00	2.41E-01	9.22E+01	3.42E+00	1.09E-03	1.95E-01	4.71E-02	3.66E+00
6013	481933.26	3852427.29	2.60E+00	8.91E-04	1.92E-01	4.47E-02	2.84E+00	3.44E+00	8.55E+01	1.92E+00	2.28E-01	9.11E+01	3.34E+00	1.08E-03	1.92E-01	4.47E-02	3.58E+00
6014	481866.79	3852359.7	2.55E+00	8.78E-04	1.89E-01	4.23E-02	2.78E+00	3.37E+00	8.43E+01	1.89E+00	2.16E-01	8.97E+01	3.27E+00	1.06E-03	1.89E-01	4.23E-02	3.50E+00
6015	481800.31	3852292.11	2.50E+00	8.65E-04	1.87E-01	4.00E-02	2.73E+00	3.31E+00	8.29E+01	1.87E+00	2.04E-01	8.83E+01	3.21E+00	1.05E-03	1.87E-01	4.00E-02	3.44E+00
6016	481733.84	3852224.52	2.45E+00	8.51E-04	1.84E-01	4.10E-02	2.68E+00	3.24E+00	8.16E+01	1.84E+00	2.10E-01	8.69E+01	3.14E+00	1.03E-03	1.84E-01	4.10E-02	3.37E+00
6017	481667.36	3852156.92	2.41E+00	8.34E-04	1.82E-01	4.24E-02	2.63E+00	3.18E+00	8.00E+01	1.82E+00	2.17E-01	8.52E+01	3.08E+00	1.01E-03	1.82E-01	4.24E-02	3.31E+00
6018	481600.89	3852089.33	2.35E+00	8.25E-04	1.79E-01	4.20E-02	2.57E+00	3.11E+00	7.92E+01	1.79E+00	2.15E-01	8.43E+01	3.02E+00	1.00E-03	1.79E-01	4.20E-02	3.24E+00
6019	481534.41	3852021.74	2.30E+00	8.18E-04	1.77E-01	4.08E-02	2.52E+00	3.04E+00	7.84E+01	1.77E+00	2.09E-01	8.35E+01	2.95E+00	9.91E-04	1.77E-01	4.08E-02	3.17E+00
6020	481467.94	3851954.15	2.25E+00	8.09E-04	1.75E-01	3.95E-02	2.46E+00	2.97E+00	7.75E+01	1.75E+00	2.02E-01	8.25E+01	2.88E+00	9.80E-04	1.75E-01	3.95E-02	3.10E+00
6021	481401.46	3851886.55	2.21E+00	7.96E-04	1.72E-01	3.84E-02	2.42E+00	2.91E+00	7.63E+01	1.72E+00	1.96E-01	8.11E+01	2.83E+00	9.64E-04	1.72E-01	3.84E-02	3.04E+00
6022	481265.87	3851761.43	2.12E+00	7.74E-04	1.69E-01	3.59E-02	2.33E+00	2.81E+00	7.42E+01	1.69E+00	1.83E-01	7.89E+01	2.72E+00	9.37E-04	1.69E-01	3.59E-02	2.93E+00
6023	481196.74	3851703.89	2.09E+00	7.59E-04	1.68E-01	3.66E-02	2.30E+00	2.76E+00	7.28E+01	1.68E+00	1.87E-01	7.74E+01	2.68E+00	9.19E-04	1.68E-01	3.66E-02	2.89E+00
6024	481076.33	3851619.05	2.04E+00	7.55E-04	1.68E-01	3.70E-02	2.24E+00	2.69E+00	7.25E+01	1.68E+00	1.89E-01	7.70E+01	2.61E+00	9.15E-04	1.68E-01	3.70E-02	2.82E+00
6025	480939.8	3851549.07	1.95E+00	7.93E-04	1.70E-01	3.85E-02	2.16E+00	2.58E+00	7.61E+01	1.70E+00	1.97E-01	8.05E+01	2.50E+00	9.61E-04	1.70E-01	3.85E-02	2.71E+00
6026	480854.56	3851506.41	1.87E+00	8.22E-04	1.71E-01	3.90E-02	2.09E+00	2.48E+00	7.89E+01	1.71E+00	1.99E-01	8.33E+01	2.40E+00	9.96E-04	1.71E-01	3.90E-02	2.61E+00
6027	480769.32	3851463.75	1.83E+00	8.58E-04	1.72E-01	4.00E-02	2.04E+00	2.41E+00	8.23E+01	1.72E+00	2.04E-01	8.66E+01	2.34E+00	1.04E-03	1.72E-01	4.00E-02	2.55E+00
6028	480684.08	3851421.08	1.79E+00	8.75E-04	1.73E-01	4.10E-02	2.01E+00	2.37E+00	8.39E+01	1.73E+00	2.09E-01	8.82E+01	2.30E+00	1.06E-03	1.73E-01	4.10E-02	2.51E+00
6029	480598.84	3851378.42	1.74E+00	8.78E-04	1.74E-01	4.08E-02	1.96E+00	2.30E+00	8.42E+01	1.74E+00	2.08E-01	8.85E+01	2.23E+00	1.06E-03	1.74E-01	4.08E-02	2.45E+00
6030	480435.71	3851275.01	1.65E+00	8.40E-04	1.74E-01	4.24E-02	1.86E+00	2.17E+00	8.06E+01	1.74E+00	2.17E-01	8.47E+01	2.11E+00	1.02E-03	1.74E-01	4.24E-02	2.33E+00
6031	480347.85	3851232.36	1.67E+00	8.59E-04	1.74E-01	4.30E-02	1.89E+00	2.21E+00	8.24E+01	1.74E+00	2.20E-01	8.65E+01	2.15E+00	1.04E-03	1.74E-01	4.30E-02	2.37E+00
6032	480260	3851189.72	1.69E+00	8.86E-04	1.75E-01	4.39E-02	1.91E+00	2.24E+00	8.50E+01	1.75E+00	2.24E-01	8.92E+01	2.17E+00	1.07E-03	1.75E-01	4.39E-02	2.39E+00
6033	480172.15	3851147.07	1.70E+00	9.09E-04	1.75E-01	4.50E-02	1.92E+00	2.25E+00	8.72E+01	1.75E+00	2.30E-01	9.14E+01	2.18E+00	1.10E-03	1.75E-01	4.50E-02	2.40E+00
6034	480084.29	3851104.42	1.70E+00	9.26E-04	1.76E-01	4.67E-02	1.92E+00	2.24E+00	8.88E+01	1.76E+00	2.38E-01	9.31E+01	2.18E+00	1.12E-03	1.76E-01	4.67E-02	2.40E+00
6035	479996.44	3851061.77	1.69E+00	9.37E-04	1.76E-01	4.87E-02	1.91E+00	2.23E+00	8.99E+01	1.76E+00	2.49E-01	9.41E+01	2.16E+00	1.14E-03	1.76E-01	4.87E-02	2.39E+00

6036	479908.58	3851019.13	1.67E+00	9.23E-04	1.76E-01	5.57E-02	1.90E+00	2.20E+00	8.85E+01	1.76E+00	2.85E-01	9.27E+01	2.14E+00	1.12E-03	1.76E-01	5.57E-02	2.37E+00
6037	479820.73	3850976.48	1.64E+00	9.28E-04	1.76E-01	5.68E-02	1.87E+00	2.16E+00	8.90E+01	1.76E+00	2.90E-01	9.32E+01	2.10E+00	1.12E-03	1.76E-01	5.68E-02	2.33E+00
6038	479732.88	3850933.83	1.60E+00	9.32E-04	1.76E-01	5.73E-02	1.83E+00	2.11E+00	8.94E+01	1.76E+00	2.93E-01	9.35E+01	2.05E+00	1.13E-03	1.76E-01	5.73E-02	2.29E+00
6039	479645.02	3850891.18	1.58E+00	9.38E-04	1.75E-01	5.66E-02	1.81E+00	2.09E+00	9.00E+01	1.75E+00	2.89E-01	9.41E+01	2.03E+00	1.14E-03	1.75E-01	5.66E-02	2.26E+00
6040	479557.17	3850848.54	1.58E+00	9.50E-04	1.75E-01	5.43E-02	1.81E+00	2.08E+00	9.12E+01	1.75E+00	2.77E-01	9.53E+01	2.02E+00	1.15E-03	1.75E-01	5.43E-02	2.25E+00
6041	479469.32	3850805.89	1.56E+00	9.51E-04	1.75E-01	5.48E-02	1.79E+00	2.06E+00	9.12E+01	1.75E+00	2.80E-01	9.53E+01	2.00E+00	1.15E-03	1.75E-01	5.48E-02	2.23E+00
6042	479381.46	3850763.24	1.54E+00	9.80E-04	1.74E-01	5.06E-02	1.77E+00	2.03E+00	9.40E+01	1.74E+00	2.59E-01	9.80E+01	1.97E+00	1.19E-03	1.74E-01	5.06E-02	2.20E+00
6043	479293.61	3850720.59	1.51E+00	1.02E-03	1.74E-01	4.42E-02	1.73E+00	2.00E+00	9.74E+01	1.74E+00	2.26E-01	1.01E+02	1.94E+00	1.23E-03	1.74E-01	4.42E-02	2.16E+00
6044	479205.76	3850677.95	1.48E+00	1.05E-03	1.73E-01	3.92E-02	1.69E+00	1.95E+00	1.00E+02	1.73E+00	2.00E-01	1.04E+02	1.89E+00	1.27E-03	1.73E-01	3.92E-02	2.11E+00
6045	479117.9	3850635.3	1.44E+00	1.08E-03	1.72E-01	3.38E-02	1.64E+00	1.90E+00	1.04E+02	1.72E+00	1.73E-01	1.07E+02	1.84E+00	1.31E-03	1.72E-01	3.38E-02	2.05E+00
6046	479030.05	3850592.65	1.39E+00	1.11E-03	1.71E-01	3.30E-02	1.60E+00	1.84E+00	1.06E+02	1.71E+00	1.68E-01	1.10E+02	1.78E+00	1.34E-03	1.71E-01	3.30E-02	1.99E+00
6047	478942.19	3850550	1.34E+00	1.11E-03	1.70E-01	3.40E-02	1.55E+00	1.78E+00	1.07E+02	1.70E+00	1.74E-01	1.10E+02	1.72E+00	1.35E-03	1.70E-01	3.40E-02	1.93E+00
6048	478854.34	3850507.36	1.39E+00	1.09E-03	1.69E-01	3.50E-02	1.59E+00	1.83E+00	1.04E+02	1.69E+00	1.79E-01	1.08E+02	1.78E+00	1.32E-03	1.69E-01	3.50E-02	1.99E+00
6049	478766.49	3850464.71	1.36E+00	1.08E-03	1.68E-01	3.60E-02	1.57E+00	1.80E+00	1.03E+02	1.68E+00	1.84E-01	1.07E+02	1.75E+00	1.31E-03	1.68E-01	3.60E-02	1.95E+00
6050	478678.63	3850422.06	1.31E+00	1.07E-03	1.67E-01	3.70E-02	1.51E+00	1.73E+00	1.03E+02	1.67E+00	1.89E-01	1.06E+02	1.68E+00	1.30E-03	1.67E-01	3.70E-02	1.88E+00
6051	478590.78	3850379.41	1.24E+00	1.06E-03	1.66E-01	3.80E-02	1.45E+00	1.64E+00	1.01E+02	1.66E+00	1.94E-01	1.05E+02	1.59E+00	1.28E-03	1.66E-01	3.80E-02	1.80E+00
6052	478502.93	3850336.77	1.22E+00	1.05E-03	1.65E-01	3.90E-02	1.42E+00	1.61E+00	1.00E+02	1.65E+00	1.99E-01	1.04E+02	1.56E+00	1.27E-03	1.65E-01	3.90E-02	1.77E+00
6053	478415.07	3850294.12	1.23E+00	1.03E-03	1.63E-01	4.00E-02	1.43E+00	1.62E+00	9.90E+01	1.63E+00	2.04E-01	1.02E+02	1.58E+00	1.25E-03	1.63E-01	4.00E-02	1.78E+00
6054	478327.22	3850251.47	1.25E+00	1.00E-03	1.62E-01	4.09E-02	1.45E+00	1.65E+00	9.59E+01	1.62E+00	2.09E-01	9.94E+01	1.60E+00	1.21E-03	1.62E-01	4.09E-02	1.81E+00
6055	478239.36	3850208.82	1.26E+00	9.67E-04	1.61E-01	4.19E-02	1.46E+00	1.66E+00	9.27E+01	1.61E+00	2.14E-01	9.62E+01	1.61E+00	1.17E-03	1.61E-01	4.19E-02	1.81E+00
6056	478151.51	3850166.18	1.25E+00	9.32E-04	1.59E-01	4.28E-02	1.45E+00	1.65E+00	8.94E+01	1.59E+00	2.19E-01	9.29E+01	1.60E+00	1.13E-03	1.59E-01	4.28E-02	1.80E+00
6057	478063.66	3850123.53	1.23E+00	8.95E-04	1.58E-01	4.37E-02	1.44E+00	1.63E+00	8.58E+01	1.58E+00	2.23E-01	8.93E+01	1.58E+00	1.08E-03	1.58E-01	4.37E-02	1.78E+00
6058	477975.8	3850080.88	1.14E+00	9.62E-04	1.56E-01	4.46E-02	1.34E+00	1.51E+00	9.23E+01	1.56E+00	2.28E-01	9.56E+01	1.46E+00	1.17E-03	1.56E-01	4.46E-02	1.67E+00
6059	477887.95	3850038.23	1.14E+00	9.84E-04	1.55E-01	4.55E-02	1.34E+00	1.50E+00	9.44E+01	1.55E+00	2.33E-01	9.77E+01	1.46E+00	1.19E-03	1.55E-01	4.55E-02	1.66E+00
6060	477800.1	3849995.59	1.11E+00	1.01E-03	1.53E-01	4.64E-02	1.31E+00	1.47E+00	9.68E+01	1.53E+00	2.37E-01	1.00E+02	1.43E+00	1.22E-03	1.53E-01	4.64E-02	1.63E+00
6061	477712.24	3849952.94	1.11E+00	1.01E-03	1.52E-01	4.72E-02	1.31E+00	1.46E+00	9.68E+01	1.52E+00	2.41E-01	1.00E+02	1.42E+00	1.22E-03	1.52E-01	4.72E-02	1.62E+00
6062	477624.39	3849910.29	1.10E+00	1.00E-03	1.50E-01	4.80E-02	1.30E+00	1.45E+00	9.62E+01	1.50E+00	2.45E-01	9.94E+01	1.41E+00	1.21E-03	1.50E-01	4.80E-02	1.61E+00
6063	477536.54	3849867.64	1.08E+00	9.94E-04	1.49E-01	4.88E-02	1.28E+00	1.43E+00	9.53E+01	1.49E+00	2.49E-01	9.85E+01	1.38E+00	1.20E-03	1.49E-01	4.88E-02	1.58E+00
6064	477448.68	3849825	1.08E+00	9.74E-04	1.47E-01	4.95E-02	1.27E+00	1.42E+00	9.34E+01	1.47E+00	2.53E-01	9.66E+01	1.38E+00	1.18E-03	1.47E-01	4.95E-02	1.58E+00
6065	477360.83	3849782.35	1.07E+00	9.77E-04	1.45E-01	5.02E-02	1.26E+00	1.41E+00	9.37E+01	1.45E+00	2.56E-01	9.68E+01	1.37E+00	1.18E-03	1.45E-01	5.02E-02	1.56E+00
6066	477272.97	3849739.7	1.05E+00	9.69E-04	1.44E-01	5.09E-02	1.25E+00	1.39E+00	9.29E+01	1.44E+00	2.60E-01	9.60E+01	1.35E+00	1.17E-03	1.44E-01	5.09E-02	1.55E+00
6067	477185.12	3849697.05	1.03E+00	9.65E-04	1.42E-01	5.15E-02	1.23E+00	1.36E+00	9.25E+01	1.42E+00	2.63E-01	9.56E+01	1.32E+00	1.17E-03	1.42E-01	5.15E-02	1.52E+00
6068	477097.27	3849654.41	1.02E+00	9.48E-04	1.40E-01	5.21E-02	1.22E+00	1.35E+00	9.09E+01	1.40E+00	2.66E-01	9.40E+01	1.31E+00	1.15E-03	1.40E-01	5.21E-02	1.51E+00
6069	477009.41	3849611.76	1.04E+00	8.97E-04	1.39E-01	5.27E-02	1.23E+00	1.37E+00	8.60E+01	1.39E+00	2.69E-01	8.91E+01	1.33E+00	1.09E-03	1.39E-01	5.27E-02	1.53E+00
6070	476841.49	3849530.08	1.00E+00	8.77E-04	1.35E-01	5.36E-02	1.19E+00	1.32E+00	8.41E+01	1.35E+00	2.74E-01	8.71E+01	1.28E+00	1.06E-03	1.35E-01	5.36E-02	1.47E+00
6071	476761.41	3849491.05	9.76E-01	8.79E-04	1.34E-01	5.41E-02	1.16E+00	1.29E+00	8.43E+01	1.34E+00	2.76E-01	8.72E+01	1.25E+00	1.07E-03	1.34E-01	5.41E-02	1.44E+00
6072	476681.34	3849452.02	9.87E-01	8.63E-04	1.32E-01	5.45E-02	1.17E+00	1.30E+00	8.28E+01	1.32E+00	2.78E-01	8.57E+01	1.26E+00	1.05E-03	1.32E-01	5.45E-02	1.45E+00
6073	476601.26	3849412.99	1.00E+00	8.35E-04	1.31E-01	5.49E-02	1.19E+00	1.32E+00	8.01E+01	1.31E+00	2.80E-01	8.30E+01	1.28E+00	1.01E-03	1.31E-01	5.49E-02	1.47E+00
6074	476456.32	3849353.67	1.03E+00	8.12E-04	1.27E-01	5.57E-02	1.21E+00	1.36E+00	7.79E+01	1.27E+00	2.85E-01	8.08E+01	1.32E+00	9.84E-04	1.27E-01	5.57E-02	1.50E+00
6075	476305.43	3849318.84	1.06E+00	9.22E-04	1.23E-01	5.71E-02	1.24E+00	1.40E+00	8.84E+01	1.23E+00	2.92E-01	9.13E+01	1.36E+00	1.12E-03	1.23E-01	5.71E-02	1.54E+00
6076	476129.36	3849289.99	1.11E+00	1.02E-03	1.17E-01	5.86E-02	1.29E+00	1.47E+00	9.76E+01	1.17E+00	2.99E-01	1.01E+02	1.42E+00	1.23E-03	1.17E-01	5.86E-02	1.60E+00
6077	476039.31	3849275.68	1.11E+00	1.05E-03	1.14E-01	5.92E-02	1.28E+00	1.46E+00	1.01E+02	1.14E+00	3.02E-01	1.04E+02	1.42E+00	1.27E-03	1.14E-01	5.92E-02	1.60E+00
6078	475949.26	3849261.38	1.13E+00	1.05E-03	1.11E-01	5.97E-02	1.30E+00	1.49E+00	1.01E+02	1.11E+00	3.05E-01	1.04E+02	1.44E+00	1.27E-03	1.11E-01	5.97E-02	1.61E+00
6079	475859.21	3849247.08	1.10E+00	1.06E-03	1.08E-01	6.01E-02	1.26E+00	1.45E+00	1.01E+02	1.08E+00	3.07E-01	1.04E+02	1.41E+00	1.28E-03	1.08E-01	6.01E-02	1.57E+00
6080	475769.16	3849232.77	1.06E+00	1.04E-03	1.04E-01	6.04E-02	1.22E+00	1.39E+00	9.96E+01	1.04E+00	3.08E-01	1.02E+02	1.35E+00	1.26E-03	1.04E-01	6.04E-02	1.52E+00
6081	475585.23	3849219.27	8.88E-01	7.63E-04	9.69E-02	6.07E-02	1.05E+00	1.17E+00	7.32E+01	9.69E-01	3.10E-01	7.56E+01	1.14E+00	9.24E-04	9.69E-02	6.07E-02	1.30E+00
6082	475444.5	3849150.35	9.64E-01	8.56E-04	9.45E-02	6.03E-02	1.12E+00	1.27E+00	8.21E+01	9.45E-01	3.08E-01	8.46E+01	1.24E+00	1.04E-03	9.45E-02	6.03E-02	1.39E+00
6083	475334.18	3849118.71	1.01E+00	8.36E-04	9.14E-02	6.01E-02	1.16E+00	1.33E+00	8.02E+01	9.14E-01	3.07E-01	8.27E+01	1.30E+00	1.01E-03	9.14E-02	6.01E-02	1.45E+00
6084	475230.47	3849060.57	1.01E+00	8.07E-04	8.99E-02	5.97E-02	1.16E+00	1.34E+00	7.74E+01	8.99E-01	3.05E-01	7.99E+01	1.30E+00	9.77E-04	8.99E-02	5.97E-02	1.45E+00
6085	475110.86	3848960.97	9.73E-01	7.90E-04	8.98E-02	5.92E-02	1.12E+00	1.29E+00	7.57E+01	8.98E-01	3.02E-01	7.82E+01	1.25E+00	9.57E-04	8.98E-02	5.92E-02	1.40E+00
6086	475037.79	3848896.28	9.43E-01	7.71E-04	8.98E-02	5.88E-02	1.09E+00	1.25E+00	7.39E+01	8.98E-01	3.00E-01	7.64E+01	1.21E+00	9.34E-04	8.98E-02	5.88E-02	1.36E+00
6087	474964.72	3848831.59	9.10E-01	7.54E-04	8.99E-02	5.84E-02	1.06E+00	1.20E+00	7.23E+01	8.99E-01	2.99E-01	7.47E+01	1.17E+00	9.13E-04	8.99E-02	5.84E-02	1.32E+00
6088	474891.65	3848766.9	8.77E-01	7.49E-04	8.99E-02	5.81E-02	1.03E+00	1.16E+00	7.18E+01	8.99E-01	2.97E-01	7.42E+01	1.12E+00	9.07E-04	8.99E-02	5.81E-02	1.27E+00
6089	474818.58	3848702.22	8.46E-01	7.49E-04	9.00E-02	5.78E-02	9.94E-01	1.12E+00	7.18E+01	9.00E-01	2.95E-01	7.41E+01	1.08E+00	9.07E-04	9.00E-02	5.78E-02	1.23E+00
6090	474745.51	3848637.53	8.38E-01	7.73E-04	9.01E-02	5.74E-02	9.87E-01	1.11E+00	7.41E+01	9.01E-01	2.93E-01	7.64E+01	1.07E+00	9.36E-04	9.01E-02	5.74E-02	1.22E+00
6091	474672.44	3848572.84	8.52E-01	7.82E-04	9.02E-02	5.71E-02	1.00E+00	1.13E+00	7.50E+01	9.02E-01	2.92E-01	7.73E+01	1.09E+00	9.47E-04	9.02E-02	5.71E-02	1.24E+00
6092	474599.37	3848508.15	8.64E-01	7.66E-04	9.02E-02	5.68E-02	1.01E+00	1.14E+00	7.34E+01	9.02E-01	2.90E-01	7.58E+01	1.11E+00	9.28E-04	9.02E-02	5.68E-02	1.26E+00
6093	474526.3	3848443.46	8.75E-01	7.61E-04	9.02E-02	5.65E-02	1.02E+00	1.16E+00	7.30E+01	9.02E-01	2.88E-01	7.53E+01	1.12E+00	9.22E-04	9.02E-02	5.65E-02	1.27E+00

			CO					2028 Unmitigated					2028 Mitigated					2033 Unmitigated				
			8 hr				Rates (g/s	7.62E-02	1.07E+01	1.11E-01	5.72E-02		7.40E-02	4.51E-05	1.11E-02	1.12E-02		8.30E-02	1.07E+01	1.11E-01	5.72E-02	
			Concentration [ug/n		IMF	WHS		Concentration [ug/m^3]					Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARI	WHS (PAF	STCK1-1(	STCK11-39		CHE (PARE/	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PARE/	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PARE	WHS (PAR	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	3.28723	0.41849	6.8089	3.38676		2.51E-01	4.47E+00	7.53E-01	1.94E-01	5.66E+00	2.43E-01	1.89E-05	7.53E-02	3.79E-02	3.57E-01	2.73E-01	4.47E+00	7.53E-01	1.94E-01	5.69E+00
2	486023.61	3854936.51	3.14833	0.40796	9.2831	3.2848		2.40E-01	4.35E+00	1.03E+00	1.88E-01	5.81E+00	2.33E-01	1.84E-05	1.03E-01	3.68E-02	3.73E-01	2.61E-01	4.35E+00	1.03E+00	1.88E-01	5.83E+00
3	486073.61	3854936.51	3.07305	0.40536	11.989	3.12156		2.34E-01	4.33E+00	1.33E+00	1.79E-01	6.06E+00	2.28E-01	1.83E-05	1.33E-01	3.49E-02	3.95E-01	2.55E-01	4.33E+00	1.33E+00	1.79E-01	6.09E+00
4	486123.61	3854936.51	2.86025	0.40381	15.143	2.96157		2.18E-01	4.31E+00	1.67E+00	1.69E-01	6.37E+00	2.12E-01	1.82E-05	1.67E-01	3.32E-02	4.12E-01	2.37E-01	4.31E+00	1.67E+00	1.69E-01	6.39E+00
5	486173.61	3854936.51	2.85561	0.40333	17.682	3.00663		2.18E-01	4.30E+00	1.95E+00	1.72E-01	6.65E+00	2.11E-01	1.82E-05	1.95E-01	3.37E-02	4.41E-01	2.37E-01	4.30E+00	1.95E+00	1.72E-01	6.67E+00
6	486223.61	3854936.51	2.70898	0.40343	20.06	3.00905		2.06E-01	4.31E+00	2.22E+00	1.72E-01	6.90E+00	2.01E-01	1.82E-05	2.22E-01	3.37E-02	4.56E-01	2.25E-01	4.31E+00	2.22E+00	1.72E-01	6.92E+00
7	486273.61	3854936.51	2.56477	0.40427	21.566	2.97161		1.95E-01	4.31E+00	2.38E+00	1.70E-01	7.06E+00	1.90E-01	1.82E-05	2.38E-01	3.33E-02	4.62E-01	2.13E-01	4.31E+00	2.38E+00	1.70E-01	7.08E+00
8	486323.61	3854936.51	2.38189	0.40561	22.037	2.90164		1.82E-01	4.33E+00	2.44E+00	1.66E-01	7.11E+00	1.76E-01	1.83E-05	2.44E-01	3.25E-02	4.52E-01	1.98E-01	4.33E+00	2.44E+00	1.66E-01	7.13E+00
9	485973.61	3854986.51	3.51051	0.43602	5.3465	3.2766		2.68E-01	4.65E+00	5.91E-01	1.87E-01	5.70E+00	2.60E-01	1.97E-05	5.91E-02	3.67E-02	3.56E-01	2.91E-01	4.65E+00	5.91E-01	1.87E-01	5.72E+00
10	486023.61	3854986.51	3.39516	0.42748	7.4938	3.07796		2.59E-01	4.56E+00	8.29E-01	1.76E-01	5.83E+00	2.51E-01	1.93E-05	8.29E-02	3.45E-02	3.69E-01	2.82E-01	4.56E+00	8.29E-01	1.76E-01	5.85E+00
11	486073.61	3854986.51	3.24253	0.41545	10.14	3.08454		2.47E-01	4.43E+00	1.12E+00	1.76E-01	5.98E+00	2.40E-01	1.87E-05	1.12E-01	3.45E-02	3.87E-01	2.69E-01	4.43E+00	1.12E+00	1.76E-01	6.00E+00
12	486123.61	3854986.51	3.10294	0.40442	13.086	3.10366		2.37E-01	4.32E+00	1.45E+00	1.77E-01	6.18E+00	2.30E-01	1.82E-05	1.45E-01	3.47E-02	4.09E-01	2.58E-01	4.32E+00	1.45E+00	1.77E-01	6.20E+00
13	486173.61	3854986.51	3.04271	0.40582	15.893	3.07299		2.32E-01	4.33E+00	1.76E+00	1.76E-01	6.50E+00	2.25E-01	1.83E-05	1.76E-01	3.44E-02	4.35E-01	2.53E-01	4.33E+00	1.76E+00	1.76E-01	6.52E+00
14	486223.61	3854986.51	2.88189	0.40339	18.689	3.00936		2.20E-01	4.30E+00	2.07E+00	1.72E-01	6.76E+00	2.13E-01	1.82E-05	2.07E-01	3.37E-02	4.54E-01	2.39E-01	4.30E+00	2.07E+00	1.72E-01	6.78E+00
15	486273.61	3854986.51	2.67733	0.40396	20.938	2.9132		2.04E-01	4.31E+00	2.31E+00	1.67E-01	7.00E+00	1.98E-01	1.82E-05	2.31E-01	3.26E-02	4.62E-01	2.22E-01	4.31E+00	2.31E+00	1.67E-01	7.01E+00
16	486323.61	3854986.51	2.58662	0.40535	21.796	2.79459		1.97E-01	4.33E+00	2.41E+00	1.60E-01	7.09E+00	1.91E-01	1.83E-05	2.41E-01	3.13E-02	4.64E-01	2.15E-01	4.33E+00	2.41E+00	1.60E-01	7.11E+00
17	485973.61	3855036.51	3.77316	0.45578	4.0457	3.12856		2.88E-01	4.86E+00	4.47E-01	1.79E-01	5.78E+00	2.79E-01	2.05E-05	4.47E-02	3.50E-02	3.59E-01	3.13E-01	4.86E+00	4.47E-01	1.79E-01	5.80E+00
18	486023.61	3855036.51	3.62134	0.44577	5.9089	3.16402		2.76E-01	4.76E+00	6.53E-01	1.81E-01	5.87E+00	2.68E-01	2.01E-05	6.53E-02	3.54E-02	3.69E-01	3.01E-01	4.76E+00	6.53E-01	1.81E-01	5.89E+00
19	486073.61	3855036.51	3.41738	0.43091	8.3623	3.15665		2.60E-01	4.60E+00	9.25E-01	1.81E-01	5.96E+00	2.53E-01	1.94E-05	9.25E-02	3.53E-02	3.81E-01	2.84E-01	4.60E+00	9.25E-01	1.81E-01	5.99E+00
20	486123.61	3855036.51	3.27885	0.42334	11.151	3.09852		2.50E-01	4.52E+00	1.23E+00	1.77E-01	6.18E+00	2.43E-01	1.91E-05	1.23E-01	3.47E-02	4.01E-01	2.72E-01	4.52E+00	1.23E+00	1.77E-01	6.20E+00
21	486173.61	3855036.51	3.22221	0.42433	13.969	2.99914		2.46E-01	4.53E+00	1.54E+00	1.72E-01	6.49E+00	2.39E-01	1.91E-05	1.54E-01	3.36E-02	4.27E-01	2.68E-01	4.53E+00	1.54E+00	1.72E-01	6.51E+00
22	486223.61	3855036.51	3.02262	0.41967	17.113	2.88457		2.30E-01	4.48E+00	1.89E+00	1.65E-01	6.77E+00	2.24E-01	1.89E-05	1.89E-01	3.23E-02	4.45E-01	2.51E-01	4.48E+00	1.89E+00	1.65E-01	6.79E+00
23	486273.61	3855036.51	2.9432	0.42053	19.427	2.77412		2.24E-01	4.49E+00	2.15E+00	1.59E-01	7.02E+00	2.18E-01	1.90E-05	2.15E-01	3.11E-02	4.64E-01	2.44E-01	4.49E+00	2.15E+00	1.59E-01	7.04E+00
24	486323.61	3855036.51	2.72552	0.41696	21.311	2.85967		2.08E-01	4.45E+00	2.36E+00	1.64E-01	7.18E+00	2.02E-01	1.88E-05	2.36E-01	3.20E-02	4.69E-01	2.26E-01	4.45E+00	2.36E+00	1.64E-01	7.20E+00
25	485973.61	3855086.51	4.43993	0.47362	3.9112	3.20198		3.38E-01	5.05E+00	4.32E-01	1.83E-01	6.01E+00	3.29E-01	2.14E-05	4.32E-02	3.58E-02	4.08E-01	3.69E-01	5.05E+00	4.32E-01	1.83E-01	6.04E+00
26	486023.61	3855086.51	4.28934	0.46645	4.4841	3.14534		3.27E-01	4.98E+00	4.96E-01	1.80E-01	5.98E+00	3.18E-01	2.10E-05	4.96E-02	3.52E-02	4.02E-01	3.56E-01	4.98E+00	4.96E-01	1.80E-01	6.01E+00
27	486073.61	3855086.51	3.92873	0.45051	6.6179	3.06767		2.99E-01	4.81E+00	7.32E-01	1.75E-01	6.01E+00	2.91E-01	2.03E-05	7.32E-02	3.43E-02	3.98E-01	3.26E-01	4.81E+00	7.32E-01	1.75E-01	6.04E+00
28	486123.61	3855086.51	3.81166	0.44526	9.0562	2.944		2.91E-01	4.75E+00	1.00E+00	1.68E-01	6.21E+00	2.82E-01	2.01E-05	1.00E-01	3.30E-02	4.15E-01	3.16E-01	4.75E+00	1.00E+00	1.68E-01	6.24E+00
29	486173.61	3855086.51	3.54492	0.44036	12.067	2.87549		2.70E-01	4.70E+00	1.33E+00	1.64E-01	6.47E+00	2.62E-01	1.99E-05	1.33E-01	3.22E-02	4.28E-01	2.94E-01	4.70E+00	1.33E+00	1.64E-01	6.49E+00
30	486223.61	3855086.51	3.43509	0.43821	15.045	2.96829		2.62E-01	4.68E+00	1.66E+00	1.70E-01	6.77E+00	2.54E-01	1.98E-05	1.66E-01	3.32E-02	4.54E-01	2.85E-01	4.68E+00	1.66E+00	1.70E-01	6.79E+00
31	485973.61	3855136.51	5.91592	0.49602	4.7598	3.09594		4.51E-01	5.29E+00	5.26E-01	1.77E-01	6.45E+00	4.38E-01	2.24E-05	5.26E-02	3.47E-02	5.25E-01	4.91E-01	5.29E+00	5.26E-01	1.77E-01	6.49E+00
32	486023.61	3855136.51	5.55878	0.48591	3.5201	2.97956		4.24E-01	5.19E+00	3.89E-01	1.70E-01	6.17E+00	4.12E-01	2.19E-05	3.89E-02	3.34E-02	4.84E-01	4.61E-01	5.19E+00	3.89E-01	1.70E-01	6.21E+00
33	486073.61	3855136.51	5.19555	0.47287	5.0269	2.9416		3.96E-01	5.05E+00	5.56E-01	1.68E-01	6.17E+00	3.85E-01	2.13E-05	5.56E-02	3.29E-02	4.73E-01	4.31E-01	5.05E+00	5.56E-01	1.68E-01	6.20E+00
34	486123.61	3855136.51	4.91757	0.46426	7.2129	3.04604		3.75E-01	4.95E+00	7.97E-01	1.74E-01	6.30E+00	3.64E-01	2.09E-05	7.97E-02	3.41E-02	4.78E-01	4.08E-01	4.95E+00	7.97E-01	1.74E-01	6.33E+00
35	486173.61	3855136.51	4.60374	0.459	9.932	3.11263		3.51E-01	4.90E+00	1.10E+00	1.78E-01	6.53E+00	3.41E-01	2.07E-05	1.10E-01	3.48E-02	4.86E-01	3.82E-01	4.90E+00	1.10E+00	1.78E-01	6.56E+00
36	486223.61	3855136.51	4.36404	0.45425	12.942	3.13642		3.33E-01	4.85E+00	1.43E+00	1.79E-01	6.79E+00	3.23E-01	2.05E-05	1.43E-01	3.51E-02	5.01E-01	3.62E-01	4.85E+00	1.43E+00	1.79E-01	6.82E+00
37	485973.61	3855186.51	7.60552	0.51852	5.5816	2.97815		5.80E-01	5.53E+00	6.17E-01	1.70E-01	6.90E+00	5.63E-01	2.34E-05	6.17E-02	3.33E-02	6.58E-01	6.31E-01	5.53E+00	6.17E-01	1.70E-01	6.95E+00
38	486023.61	3855186.51	7.17583	0.5097	4.3198	3.08809		5.47E-01	5.44E+00	4.78E-01	1.77E-01	6.64E+00	5.31E-01	2.30E-05	4.78E-02	3.46E-02	6.14E-01	5.96E-01	5.44E+00	4.78E-01	1.77E-01	6.69E+00
39	486073.61	3855186.51	6.55432	0.49336	3.7359	3.16858		5.00E-01	5.26E+00	4.13E-01	1.81E-01	6.36E+00	4.85E-01	2.22E-05	4.13E-02	3.55E-02	5.62E-01	5.44E-01	5.27E+00	4.13E-01	1.81E-01	6.40E+00
40	486123.61	3855186.51	6.01356	0.47948	5.6725	3.20406		4.58E-01	5.12E+00	6.27E-01	1.83E-01	6.39E+00	4.45E-01	2.16E-05	6.27E-02	3.59E-02	5.44E-01	4.99E-01	5.12E+00	6.27E-01	1.83E-01	6.43E+00
41	486173.61	3855186.51	5.67635	0.47391	8.061	3.19017		4.33E-01	5.06E+00	8.91E-01	1.82E-01	6.56E+00	4.20E-01	2.14E-05	8.91E-02	3.57E-02	5.45E-01	4.71E-01	5.06E+00	8.91E-01	1.82E-01	6.60E+00
42	486223.61	3855186.51	5.36528	0.46798	10.903	3.14277		4.09E-01	4.99E+00	1.21E+00	1.80E-01	6.79E+00	3.97E-01	2.11E-05	1.21E-01	3.52E-02	5.53E-01	4.45E-01	4.99E+00	1.21E+00	1.80E-01	6.82E+00
43	486273.61	3855186.51	5.02914	0.46091	14.083	3.06964		3.83E-01	4.92E+00	1.56E+00	1.76E-01	7.03E+00	3.72E-01	2.08E-05	1.56E-01	3.44E-02	5.62E-01	4.18E-01	4.92E+00	1.56E+00	1.76E-01	7.07E+00
44	486323.61	3855186.51	5.24398	0.46287	16.399	2.9515		4.00E-01	4.94E+00	1.81E+00	1.69E-01	7.32E+00	3.88E-01	2.09E-05	1.81E-01	3.30E-02	6.03E-01	4.35E-01	4.94E+00	1.81E+00	1.69E-01	7.36E+00
45	485973.61	3855236.51	9.23547	0.54001	6.3433	3.19107		7.04E-01	5.76E+00	7.01E-01	1.82E-01	7.35E+00	6.84E-01	2.43E-05	7.01E-02	3.57E-02	7.90E-01	7.67E-01	5.76E+00	7.01E-01	1.82E-01	7.41E+00
46	486023.61	3855236.51	8.47451	0.52702	5.2498	3.22731		6.46E-01	5.62E+00	5.80E-01	1.85E-01	7.04E+00	6.27E-01	2.38E-05	5.80E-02	3.61E-02	7.22E-01	7.04E-01	5.62E+00	5.80E-01	1.85E-01	7.09E+00
47	486073.61	3855236.51	7.71992	0.51021	4.0788	3.22597		5.88E-01	5.44E+00	4.51E-01	1.84E-01	6.67E+00	5.72E-01	2.30E-05	4.51E-02	3.61E-02	6.53E-01	6.41E-01	5.44E+00	4.51E-01	1.84E-01	6.72E+00
48	486123.61	3855236.51	7.22764	0.49622	4.2681	3.17626		5.51E-01	5.30E+00	4.72E-01	1.82E-01	6.50E+00	5.35E-01	2.24E-05	4.72E-02	3.56E-02	6.18E-01	6.00E-01	5.30E+00	4.72E-01	1.82E-01	6.55E+00
49	486173.61	3855236.51	6.81221	0.48919	6.3097	3.09591		5.19E-01	5.22E+00	6.98E-01	1.77E-01	6.61E+00	5.04E-01	2.21E-05	6.98E-02	3.47E-02	6.09E-01	5.66E-01	5.22E+00	6.98E-01	1.77E-01	6.66E+00
50	486223.61	3855236.51	6.37147	0.48131	8.9251	2.99644		4.86E-01	5.14E+00	9.87E-01	1.71E-01	6.78E+00	4.72E-01	2.17E-05	9.87E-02	3.35E-02	6.04E-01	5.29E-01	5.14E+00	9.87E-01	1.71E-01	6.82E+00
51	486273.61	3855236.51	5.69877	0.4692	12.279	2.89097		4.34E-01	5.01E+00	1.36E+00	1.65E-01	6.96E+00	4.22E-01	2.12E-05	1.36E-01	3.24E-02	5.90E-01	4.73E-01	5.01E+00	1.36E+00	1.65E-01	7.00E+00
52	486323.61	3855236.51	6.2159	0.47526	14.396	2.72606		4.74E-01	5.07E+00	1.59E+00	1.56E-01	7.29E+00	4.60E-01	2.14E-05	1.59E-01	3.05E-02	6.50E-01	5.16E-01	5.07E+00	1.59E+00	1.56E-01	7.34E+00
53	485973.61	3855286.51	10.6549	0.56051	6.9905	3.21298		8.12E-01	5.98E+00	7.73E-01	1.84E-01	7.75E+00	7.89E-01	2.53E-05	7.73E-02	3.60E-02	9.02E-01	8.85E-01	5.98E+00	7.73E-01	1.84E-01	7.82E+00
54	486023.61	3855286.51	9.6917	0.54613	6.1215	3.17181		7.39E-01	5.83E+00	6.77E-01	1.81E-01	7.43E+00	7.18E-01	2.46E-05	6.77E-02	3.55E-02	8.21E-01	8.05E-01	5.83E+00	6.77E-01	1.81E-01	7.49E+00
55	486073.61	3855286.51	8.96256	0.53147	4.955	3.09256		6.83E-01	5.67E+00	5.48E-01	1.77E-01	7.08E+00	6.64E-01	2.40E-05	5.48E-02	3.46E-02	7.53E-01	7.44E-01	5.67E+00	5.48E-01	1.77E-01	7.14E+00
56	486123.61	3855286.51	8.22468	0.51385	3.7604	2.99476		6.27E-01	5.48E+00	4.16E-01	1.71E-01	6.70E+00	6.09E-01	2.32E-05	4.16E-02	3.35E-02	6.84E-01	6.83E-01	5.48E+00	4.16E-01	1.71E-01	6.75E+00
57	486173.61	3855286.51	7.62971	0.50164	4.8861	2.87573		5.82E-01	5.35E+00	5.40E-01	1.64E-01	6.64E+00	5.65E-01	2.26E-05	5.40E-02	3.22E-02	6.51E-01	6.33E-01	5.35E+00	5.40E-01	1.64E-01	6.69E+00

58	486223.61	3855286.51	7.26835	0.4949	7.0986	2.7377	5.54E-01	5.28E+00	7.85E-01	1.57E-01	6.78E+00	5.38E-01	2.23E-05	7.85E-02	3.06E-02	6.47E-01	6.03E-01	5.28E+00	7.85E-01	1.57E-01	6.83E+00
59	486123.61	3855336.51	9.04673	0.5309	4.7096	2.70371	6.90E-01	5.67E+00	5.21E-01	1.55E-01	7.03E+00	6.70E-01	2.39E-05	5.21E-02	3.03E-02	7.52E-01	7.51E-01	5.67E+00	5.21E-01	1.55E-01	7.09E+00
60	486173.61	3855336.51	8.54407	0.51834	3.5869	2.55823	6.51E-01	5.53E+00	3.97E-01	1.46E-01	6.73E+00	6.33E-01	2.34E-05	3.97E-02	2.86E-02	7.01E-01	7.09E-01	5.53E+00	3.97E-01	1.46E-01	6.78E+00
61	486223.61	3855336.51	8.0132	0.50939	5.4886	2.41506	6.11E-01	5.44E+00	6.07E-01	1.38E-01	6.79E+00	5.93E-01	2.30E-05	6.07E-02	2.70E-02	6.81E-01	6.65E-01	5.44E+00	6.07E-01	1.38E-01	6.85E+00
62	486123.61	3855386.51	9.8575	0.58048	5.6586	2.35299	7.51E-01	6.19E+00	6.26E-01	1.35E-01	7.71E+00	7.30E-01	2.62E-05	6.26E-02	2.63E-02	8.19E-01	8.18E-01	6.19E+00	6.26E-01	1.35E-01	7.77E+00
63	486173.61	3855386.51	9.28957	0.57237	4.3507	2.21831	7.08E-01	6.11E+00	4.81E-01	1.27E-01	7.42E+00	6.88E-01	2.58E-05	4.81E-02	2.48E-02	7.61E-01	7.71E-01	6.11E+00	4.81E-01	1.27E-01	7.49E+00
64	486223.61	3855386.51	8.81656	0.52758	4.0571	2.11347	6.72E-01	5.63E+00	4.49E-01	1.21E-01	6.87E+00	6.53E-01	2.38E-05	4.49E-02	2.37E-02	7.21E-01	7.32E-01	5.63E+00	4.49E-01	1.21E-01	6.93E+00
65	486533.18	3855443.15	7.63424	0.51212	18.016	1.88115	5.82E-01	5.47E+00	1.99E+00	1.08E-01	8.15E+00	5.65E-01	2.31E-05	1.99E-01	2.11E-02	7.85E-01	6.34E-01	5.47E+00	1.99E+00	1.08E-01	8.20E+00
66	486583.18	3855443.15	7.30039	0.506	19.821	1.87219	5.56E-01	5.40E+00	2.19E+00	1.07E-01	8.25E+00	5.40E-01	2.28E-05	2.19E-01	2.10E-02	7.81E-01	6.06E-01	5.40E+00	2.19E+00	1.07E-01	8.30E+00
67	486633.18	3855443.15	6.98767	0.50005	20.41	1.88804	5.33E-01	5.34E+00	2.26E+00	1.08E-01	8.23E+00	5.17E-01	2.25E-05	2.26E-01	2.11E-02	7.64E-01	5.80E-01	5.34E+00	2.26E+00	1.08E-01	8.28E+00
68	486683.18	3855443.15	6.86205	0.49675	19.336	1.8815	5.23E-01	5.30E+00	2.14E+00	1.08E-01	8.07E+00	5.08E-01	2.24E-05	2.14E-01	2.11E-02	7.43E-01	5.70E-01	5.30E+00	2.14E+00	1.08E-01	8.12E+00
69	486533.18	3855493.15	8.1181	0.5292	16.299	1.9015	6.19E-01	5.65E+00	1.80E+00	1.09E-01	8.18E+00	6.01E-01	2.39E-05	1.80E-01	2.13E-02	8.03E-01	6.74E-01	5.65E+00	1.80E+00	1.09E-01	8.23E+00
70	486583.18	3855493.15	7.82384	0.52337	18.572	1.96286	5.96E-01	5.59E+00	2.05E+00	1.12E-01	8.35E+00	5.79E-01	2.36E-05	2.05E-01	2.20E-02	8.07E-01	6.50E-01	5.59E+00	2.05E+00	1.12E-01	8.40E+00
71	486633.18	3855493.15	7.5026	0.51682	19.897	2.05147	5.72E-01	5.52E+00	2.20E+00	1.17E-01	8.40E+00	5.55E-01	2.33E-05	2.20E-01	2.30E-02	7.98E-01	6.23E-01	5.52E+00	2.20E+00	1.17E-01	8.46E+00
72	486683.18	3855493.15	7.21242	0.51037	19.879	2.12939	5.50E-01	5.45E+00	2.20E+00	1.22E-01	8.32E+00	5.34E-01	2.30E-05	2.20E-01	2.38E-02	7.78E-01	5.99E-01	5.45E+00	2.20E+00	1.22E-01	8.36E+00
73	486533.18	3855543.15	8.74541	0.54767	14.171	2.29458	6.67E-01	5.84E+00	1.57E+00	1.31E-01	8.21E+00	6.47E-01	2.47E-05	1.57E-01	2.57E-02	8.30E-01	7.26E-01	5.84E+00	1.57E+00	1.31E-01	8.27E+00
74	486583.18	3855543.15	8.18724	0.5374	17.241	2.36901	6.24E-01	5.73E+00	1.91E+00	1.35E-01	8.40E+00	6.06E-01	2.42E-05	1.91E-01	2.65E-02	8.23E-01	6.80E-01	5.74E+00	1.91E+00	1.35E-01	8.46E+00
75	486633.18	3855543.15	7.90091	0.53072	19.153	2.41973	6.02E-01	5.66E+00	2.12E+00	1.38E-01	8.52E+00	5.85E-01	2.39E-05	2.12E-01	2.71E-02	8.24E-01	6.56E-01	5.66E+00	2.12E+00	1.38E-01	8.58E+00
76	486683.18	3855543.15	7.38239	0.52002	20.335	2.46943	5.63E-01	5.55E+00	2.25E+00	1.41E-01	8.50E+00	5.47E-01	2.34E-05	2.25E-01	2.76E-02	7.99E-01	6.13E-01	5.55E+00	2.25E+00	1.41E-01	8.55E+00
77	486533.18	3855593.15	9.25509	0.56314	12.132	2.5891	7.05E-01	6.01E+00	1.34E+00	1.48E-01	8.20E+00	6.85E-01	2.54E-05	1.34E-01	2.90E-02	8.48E-01	7.68E-01	6.01E+00	1.34E+00	1.48E-01	8.27E+00
78	486583.18	3855593.15	8.75169	0.553	15.303	2.61572	6.67E-01	5.90E+00	1.69E+00	1.50E-01	8.41E+00	6.48E-01	2.49E-05	1.69E-01	2.93E-02	8.46E-01	7.27E-01	5.90E+00	1.69E+00	1.50E-01	8.47E+00
79	486633.18	3855593.15	8.34332	0.54372	17.926	2.6267	6.36E-01	5.80E+00	1.98E+00	1.50E-01	8.57E+00	6.18E-01	2.45E-05	1.98E-01	2.94E-02	8.45E-01	6.93E-01	5.80E+00	1.98E+00	1.50E-01	8.63E+00
80	486683.18	3855593.15	8.0733	0.53602	19.361	2.62034	6.15E-01	5.72E+00	2.14E+00	1.50E-01	8.63E+00	5.98E-01	2.42E-05	2.14E-01	2.93E-02	8.41E-01	6.70E-01	5.72E+00	2.14E+00	1.50E-01	8.68E+00
81	486533.18	3855643.15	9.85518	0.63909	10.011	2.68472	7.51E-01	6.82E+00	1.11E+00	1.54E-01	8.83E+00	7.30E-01	2.88E-05	1.11E-01	3.01E-02	8.70E-01	8.18E-01	6.82E+00	1.11E+00	1.54E-01	8.90E+00
82	486583.18	3855643.15	9.3658	0.63091	13.158	2.66474	7.14E-01	6.73E+00	1.45E+00	1.52E-01	9.05E+00	6.93E-01	2.84E-05	1.45E-01	2.98E-02	8.69E-01	7.78E-01	6.73E+00	1.45E+00	1.52E-01	9.12E+00
83	486633.18	3855643.15	8.90505	0.55679	16.162	2.63597	6.79E-01	5.94E+00	1.79E+00	1.51E-01	8.56E+00	6.59E-01	2.51E-05	1.79E-01	2.95E-02	8.67E-01	7.39E-01	5.94E+00	1.79E+00	1.51E-01	8.62E+00
84	486683.18	3855643.15	8.537	0.54679	18.385	2.59571	6.51E-01	5.84E+00	2.03E+00	1.48E-01	8.67E+00	6.32E-01	2.46E-05	2.03E-01	2.91E-02	8.64E-01	7.09E-01	5.84E+00	2.03E+00	1.48E-01	8.73E+00
85	486533.18	3855693.15	10.6786	0.66281	7.8519	2.57461	8.14E-01	7.07E+00	8.68E-01	1.47E-01	8.90E+00	7.91E-01	2.99E-05	8.68E-02	2.88E-02	9.06E-01	8.87E-01	7.07E+00	8.68E-01	1.47E-01	8.98E+00
86	486583.18	3855693.15	9.87146	0.64923	11.117	2.53726	7.52E-01	6.93E+00	1.23E+00	1.45E-01	9.05E+00	7.31E-01	2.93E-05	1.23E-01	2.84E-02	8.82E-01	8.20E-01	6.93E+00	1.23E+00	1.45E-01	9.12E+00
87	486633.18	3855693.15	9.10335	0.56279	14.703	2.49407	6.94E-01	6.01E+00	1.63E+00	1.43E-01	8.47E+00	6.74E-01	2.54E-05	1.63E-01	2.79E-02	8.64E-01	7.56E-01	6.01E+00	1.63E+00	1.43E-01	8.53E+00
88	486683.18	3855693.15	9.01122	0.55599	16.998	2.51229	6.87E-01	5.93E+00	1.88E+00	1.44E-01	8.64E+00	6.67E-01	2.51E-05	1.88E-01	2.81E-02	8.83E-01	7.48E-01	5.93E+00	1.88E+00	1.44E-01	8.70E+00
89	486733.18	3855693.15	9.17008	0.55259	17.835	2.50965	6.99E-01	5.90E+00	1.97E+00	1.44E-01	8.71E+00	6.79E-01	2.49E-05	1.97E-01	2.81E-02	9.04E-01	7.61E-01	5.90E+00	1.97E+00	1.44E-01	8.77E+00
90	486783.18	3855693.15	9.4516	0.6467	17.12	2.49172	7.20E-01	6.90E+00	1.89E+00	1.42E-01	9.66E+00	7.00E-01	2.92E-05	1.89E-01	2.79E-02	9.17E-01	7.85E-01	6.90E+00	1.89E+00	1.42E-01	9.72E+00
91	486533.18	3855743.15	11.3503	0.68746	6.0702	2.64825	8.65E-01	7.34E+00	6.71E-01	1.51E-01	9.02E+00	8.40E-01	3.10E-05	6.71E-02	2.96E-02	9.37E-01	9.42E-01	7.34E+00	6.71E-01	1.51E-01	9.10E+00
92	486583.18	3855743.15	10.2491	0.66896	9.2344	2.69631	7.81E-01	7.14E+00	1.02E+00	1.54E-01	9.10E+00	7.59E-01	3.02E-05	1.02E-01	3.02E-02	8.91E-01	8.51E-01	7.14E+00	1.02E+00	1.54E-01	9.17E+00
93	486633.18	3855743.15	9.66405	0.65965	12.546	2.71099	7.37E-01	7.04E+00	1.39E+00	1.55E-01	9.32E+00	7.15E-01	2.97E-05	1.39E-01	3.03E-02	8.85E-01	8.02E-01	7.04E+00	1.39E+00	1.55E-01	9.38E+00
94	486683.18	3855743.15	9.73692	0.66269	14.919	2.68219	7.42E-01	7.07E+00	1.65E+00	1.53E-01	9.62E+00	7.21E-01	2.99E-05	1.65E-01	3.00E-02	9.16E-01	8.08E-01	7.07E+00	1.65E+00	1.53E-01	9.68E+00
95	486733.18	3855743.15	9.5891	0.66153	16.874	2.66141	7.31E-01	7.06E+00	1.87E+00	1.52E-01	9.81E+00	7.10E-01	2.98E-05	1.87E-01	2.98E-02	9.26E-01	7.96E-01	7.06E+00	1.87E+00	1.52E-01	9.87E+00
96	486783.18	3855743.15	10.0425	0.67275	16.609	2.59741	7.65E-01	7.18E+00	1.84E+00	1.49E-01	9.93E+00	7.43E-01	3.03E-05	1.84E-01	2.91E-02	9.56E-01	8.34E-01	7.18E+00	1.84E+00	1.49E-01	1.00E+01
97	486533.18	3855793.15	12.1107	0.71854	4.5106	2.73405	9.23E-01	7.67E+00	4.99E-01	1.56E-01	9.25E+00	8.97E-01	3.24E-05	4.99E-02	3.06E-02	9.77E-01	1.01E+00	7.67E+00	4.99E-01	1.56E-01	9.33E+00
98	486583.18	3855793.15	10.5086	0.69149	7.5163	2.77483	8.01E-01	7.38E+00	8.31E-01	1.59E-01	9.17E+00	7.78E-01	3.12E-05	8.31E-02	3.11E-02	8.92E-01	8.72E-01	7.38E+00	8.31E-01	1.59E-01	9.24E+00
99	486633.18	3855793.15	10.5354	0.69418	10.078	2.72041	8.03E-01	7.41E+00	1.11E+00	1.56E-01	9.48E+00	7.80E-01	3.13E-05	1.11E-01	3.05E-02	9.22E-01	8.75E-01	7.41E+00	1.11E+00	1.56E-01	9.55E+00
100	486683.18	3855793.15	10.6186	0.69816	12.527	2.65925	8.09E-01	7.45E+00	1.39E+00	1.52E-01	9.80E+00	7.86E-01	3.15E-05	1.39E-01	2.98E-02	9.54E-01	8.82E-01	7.45E+00	1.39E+00	1.52E-01	9.87E+00
101	486733.18	3855793.15	10.5457	0.69921	14.704	2.60474	8.04E-01	7.46E+00	1.63E+00	1.49E-01	1.00E+01	7.81E-01	3.15E-05	1.63E-01	2.92E-02	9.72E-01	8.76E-01	7.46E+00	1.63E+00	1.49E-01	1.01E+01
102	486783.18	3855793.15	10.5716	0.70238	15.83	2.54206	8.06E-01	7.50E+00	1.75E+00	1.45E-01	1.02E+01	7.83E-01	3.17E-05	1.75E-01	2.85E-02	9.86E-01	8.78E-01	7.50E+00	1.75E+00	1.45E-01	1.03E+01
103	486533.18	3855843.15	12.4791	0.74746	3.4578	2.65348	9.51E-01	7.98E+00	3.82E-01	1.52E-01	9.46E+00	9.24E-01	3.37E-05	3.82E-02	2.97E-02	9.92E-01	1.04E+00	7.98E+00	3.82E-01	1.52E-01	9.55E+00
104	486583.18	3855843.15	11.2575	0.7282	5.6523	2.64251	8.58E-01	7.77E+00	6.25E-01	1.51E-01	9.41E+00	8.33E-01	3.28E-05	6.25E-02	2.96E-02	9.26E-01	9.35E-01	7.77E+00	6.25E-01	1.51E-01	9.48E+00
105	486633.18	3855843.15	11.3033	0.73185	7.9338	2.56581	8.62E-01	7.81E+00	8.77E-01	1.47E-01	9.70E+00	8.37E-01	3.30E-05	8.77E-02	2.87E-02	9.53E-01	9.38E-01	7.81E+00	8.77E-01	1.47E-01	9.77E+00
106	486683.18	3855843.15	11.3613	0.73597	10.364	2.48797	8.66E-01	7.85E+00	1.15E+00	1.42E-01	1.00E+01	8.41E-01	3.32E-05	1.15E-01	2.79E-02	9.84E-01	9.43E-01	7.85E+00	1.15E+00	1.42E-01	1.01E+01
107	486733.18	3855843.15	11.4003	0.73995	12.596	2.41118	8.69E-01	7.90E+00	1.39E+00	1.38E-01	1.03E+01	8.44E-01	3.34E-05	1.39E-01	2.70E-02	1.01E+00	9.46E-01	7.90E+00	1.39E+00	1.38E-01	1.04E+01
108	486783.18	3855843.15	11.3512	0.74222	14.309	2.34003	8.65E-01	7.92E+00	1.58E+00	1.34E-01	1.05E+01	8.40E-01	3.35E-05	1.58E-01	2.62E-02	1.02E+00	9.42E-01	7.92E+00	1.58E+00	1.34E-01	1.06E+01
109	486533.18	3855893.15	12.5007	0.77139	4.7764	2.44961	9.53E-01	8.23E+00	5.28E-01	1.40E-01	9.85E+00	9.25E-01	3.48E-05	5.28E-02	2.74E-02	1.01E+00	1.04E+00	8.23E+00	5.28E-01	1.40E-01	9.94E+00
110	486583.18	3855893.15	12.2497	0.7734	4.0273	2.37102	9.34E-01	8.25E+00	4.45E-01	1.36E-01	9.77E+00	9.07E-01	3.49E-05	4.45E-02	2.65E-02	9.78E-01	1.02E+00	8.25E+00	4.45E-01	1.36E-01	9.85E+00
111	486633.18	3855893.15	12.1075	0.77446	6.0267	2.31705	9.23E-01	8.26E+00	6.66E-01	1.32E-01	9.99E+00	8.96E-01	3.49E-05	6.66E-02	2.59E-02	9.89E-01	1.01E+00	8.26E+00	6.66E-01	1.32E-01	1.01E+01
112	486683.18	3855893.15	12.1349	0.77848	8.2882	2.2787	9.25E-01	8.31E+00	9.16E-01	1.30E-01	1.03E+01	8.98E-01	3.51E-05	9.16E-02	2.55E-02	1.02E+00	1.01E+00	8.31E+00	9.16E-01	1.30E-01	1.04E+01
113	486733.18	3855893.15	12.1506	0.78247	10.595	2.23819	9.26E-01	8.35E+00	1.17E+00	1.28E-01	1.06E+01	9.00E-01	3.53E-05	1.17E-01	2.51E-02	1.04E+00	1.01E+00	8.35E+00	1.17E+00	1.28E-01	1.07E+01
114	486783.18	3855893.15	12.2663	0.78878	12.394	2.18999	9.35E-01	8.42E+00	1.37E+00	1.25E-01	1.08E+01	9.08E-01	3.56E-05	1.37E-01	2.45E-02	1.07E+00	1.02E+00	8.42E+00	1.37E+00	1.25E-01	1.09E+01
115	486533.18	3855943.15	13.3858	0.81383	5.9594	2.45375	1.02E+00	8.68E+00	6.59E-01	1.40E-01	1.05E+01	9.91E-01	3.67E-05	6.59E-02	2.75E-02	1.08E+00	1.11E+00	8.69E+00	6.59E-01	1.40E-01	1.06E+01
116	486583.18	3855943.15	13.5065	0.82351	4.1261	2.40183	1.03E+00	8.79E+00	4.56E-01	1.37E-01	1.04E+01	1.00E+00	3.71E-05	4.56E-02	2.69E-02	1.07E+00	1.12E+00	8.79E+00	4.56E-01	1.37E-01	1.05E+01
117	486633.18	3855943.15	13.0873	0.82168	4.3993	2.37673	9.98E-01	8.77E+00	4.86E-01	1.36E-01	1.04E+01	9.69E-01	3.70E-05	4.86E-02	2.66E-02	1.04E+00	1.09E+00	8.77E+00	4.86E-01	1.36E-01	1.05E+01
118	486683.18	3855943.15	13.1199	0.82843	6.2867	2.32848	1.00E+00	8.84E+00	6.95E-01	1.33E-01	1.07E+01	9.71E-01	3.73E-05	6.95E-02	2.61E-02	1.07E+00	1.09E+00	8.84E+00	6.95E-01	1.33E-01	1.08E+01

119	486733.18	3855943.15	12.963	0.82925	8.5878	2.29348	9.88E-01	8.85E+00	9.49E-01	1.31E-01	1.09E+01	9.60E-01	3.74E-05	9.49E-02	2.57E-02	1.08E+00	1.08E+00	8.85E+00	9.49E-01	1.31E-01	1.10E+01
120	486783.18	3855943.15	13.1171	0.83676	10.504	2.24019	1.00E+00	8.93E+00	1.16E+00	1.28E-01	1.12E+01	9.71E-01	3.77E-05	1.16E-01	2.51E-02	1.11E+00	1.09E+00	8.93E+00	1.16E+00	1.28E-01	1.13E+01
121	486533.18	3855993.15	14.5391	0.86776	6.8913	2.49256	1.11E+00	9.26E+00	7.62E-01	1.43E-01	1.13E+01	1.08E+00	3.91E-05	7.62E-02	2.79E-02	1.18E+00	1.21E+00	9.26E+00	7.62E-01	1.43E-01	1.14E+01
122	486583.18	3855993.15	14.4025	0.87131	5.2173	2.43378	1.10E+00	9.30E+00	5.77E-01	1.39E-01	1.11E+01	1.07E+00	3.93E-05	5.77E-02	2.72E-02	1.15E+00	1.20E+00	9.30E+00	5.77E-01	1.39E-01	1.12E+01
123	486633.18	3855993.15	14.1752	0.87319	3.6197	2.37892	1.08E+00	9.32E+00	4.00E-01	1.36E-01	1.09E+01	1.05E+00	3.94E-05	4.00E-02	2.66E-02	1.12E+00	1.18E+00	9.32E+00	4.00E-01	1.36E-01	1.10E+01
124	486683.18	3855993.15	14.0998	0.87916	4.6513	2.31422	1.07E+00	9.38E+00	5.14E-01	1.32E-01	1.11E+01	1.04E+00	3.96E-05	5.14E-02	2.59E-02	1.12E+00	1.17E+00	9.38E+00	5.14E-01	1.32E-01	1.12E+01
125	486733.18	3855993.15	13.8913	0.88074	6.6581	2.25989	1.06E+00	9.40E+00	7.36E-01	1.29E-01	1.13E+01	1.03E+00	3.97E-05	7.36E-02	2.53E-02	1.13E+00	1.15E+00	9.40E+00	7.36E-01	1.29E-01	1.14E+01
126	486783.18	3855993.15	13.8856	0.88481	8.7109	2.19955	1.06E+00	9.44E+00	9.63E-01	1.26E-01	1.16E+01	1.03E+00	3.99E-05	9.63E-02	2.46E-02	1.15E+00	1.15E+00	9.44E+00	9.63E-01	1.26E-01	1.17E+01
127	486533.18	3856043.15	15.5557	0.92443	7.6607	2.34108	1.19E+00	9.87E+00	8.47E-01	1.34E-01	1.20E+01	1.15E+00	4.17E-05	8.47E-02	2.62E-02	1.26E+00	1.29E+00	9.87E+00	8.47E-01	1.34E-01	1.21E+01
128	486583.18	3856043.15	15.5345	0.92991	6.1315	2.26783	1.18E+00	9.92E+00	6.78E-01	1.30E-01	1.19E+01	1.15E+00	4.19E-05	6.78E-02	2.54E-02	1.24E+00	1.29E+00	9.92E+00	6.78E-01	1.30E-01	1.20E+01
129	486633.18	3856043.15	15.192	0.92828	4.5989	2.21078	1.16E+00	9.91E+00	5.08E-01	1.26E-01	1.17E+01	1.12E+00	4.18E-05	5.08E-02	2.47E-02	1.20E+00	1.26E+00	9.91E+00	5.08E-01	1.26E-01	1.18E+01
130	486683.18	3856043.15	15.1691	0.93473	3.2842	2.1383	1.16E+00	9.98E+00	3.63E-01	1.22E-01	1.16E+01	1.12E+00	4.21E-05	3.63E-02	2.39E-02	1.18E+00	1.26E+00	9.98E+00	3.63E-01	1.22E-01	1.17E+01
131	486733.18	3856043.15	14.8357	0.9334	5.0083	2.08325	1.13E+00	9.96E+00	5.54E-01	1.19E-01	1.18E+01	1.10E+00	4.21E-05	5.54E-02	2.33E-02	1.18E+00	1.23E+00	9.96E+00	5.54E-01	1.19E-01	1.19E+01
132	486783.18	3856043.15	14.9317	0.9408	6.7832	2.0116	1.14E+00	1.00E+01	7.50E-01	1.15E-01	1.20E+01	1.11E+00	4.24E-05	7.50E-02	2.25E-02	1.20E+00	1.24E+00	1.00E+01	7.50E-01	1.15E-01	1.21E+01
133	486533.18	3856093.15	16.8272	0.99169	7.9305	2.16213	1.28E+00	1.06E+01	8.77E-01	1.24E-01	1.29E+01	1.25E+00	4.47E-05	8.77E-02	2.42E-02	1.36E+00	1.40E+00	1.06E+01	8.77E-01	1.24E-01	1.30E+01
134	486583.18	3856093.15	16.5709	0.99108	6.9188	2.11046	1.26E+00	1.06E+01	7.65E-01	1.21E-01	1.27E+01	1.23E+00	4.47E-05	7.65E-02	2.36E-02	1.33E+00	1.38E+00	1.06E+01	7.65E-01	1.21E-01	1.28E+01
135	486633.18	3856093.15	16.276	0.98959	5.5246	2.06119	1.24E+00	1.06E+01	6.11E-01	1.18E-01	1.25E+01	1.20E+00	4.46E-05	6.11E-02	2.31E-02	1.29E+00	1.35E+00	1.06E+01	6.11E-01	1.18E-01	1.26E+01
136	486683.18	3856093.15	16.1567	0.99259	3.9326	2.00382	1.23E+00	1.06E+01	4.35E-01	1.15E-01	1.24E+01	1.20E+00	4.47E-05	4.35E-02	2.24E-02	1.26E+00	1.34E+00	1.06E+01	4.35E-01	1.15E-01	1.25E+01
137	486733.18	3856093.15	15.8809	0.9918	3.5795	1.95469	1.21E+00	1.06E+01	3.96E-01	1.12E-01	1.23E+01	1.18E+00	4.47E-05	3.96E-02	2.19E-02	1.24E+00	1.32E+00	1.06E+01	3.96E-01	1.12E-01	1.24E+01
138	486783.18	3856093.15	15.8261	0.99546	5.1913	1.89769	1.21E+00	1.06E+01	5.74E-01	1.09E-01	1.25E+01	1.17E+00	4.49E-05	5.74E-02	2.12E-02	1.25E+00	1.31E+00	1.06E+01	5.74E-01	1.09E-01	1.26E+01
139	486533.18	3856143.15	17.9729	1.06029	7.9075	1.98823	1.37E+00	1.13E+01	8.74E-01	1.14E-01	1.37E+01	1.33E+00	4.78E-05	8.74E-02	2.23E-02	1.44E+00	1.49E+00	1.13E+01	8.74E-01	1.14E-01	1.38E+01
140	486583.18	3856143.15	17.5085	1.05403	7.5026	1.94122	1.33E+00	1.12E+01	8.29E-01	1.11E-01	1.35E+01	1.30E+00	4.75E-05	8.29E-02	2.17E-02	1.40E+00	1.45E+00	1.12E+01	8.29E-01	1.11E-01	1.36E+01
141	486633.18	3856143.15	17.3664	1.05513	6.3218	1.88326	1.32E+00	1.13E+01	6.99E-01	1.08E-01	1.34E+01	1.29E+00	4.76E-05	6.99E-02	2.11E-02	1.38E+00	1.44E+00	1.13E+01	6.99E-01	1.08E-01	1.35E+01
142	486683.18	3856143.15	17.1262	1.0542	4.8755	1.83009	1.31E+00	1.13E+01	5.39E-01	1.05E-01	1.32E+01	1.27E+00	4.75E-05	5.39E-02	2.05E-02	1.34E+00	1.42E+00	1.13E+01	5.39E-01	1.05E-01	1.33E+01
143	486733.18	3856143.15	16.8857	1.05353	3.3923	1.77804	1.29E+00	1.12E+01	3.75E-01	1.02E-01	1.30E+01	1.25E+00	4.75E-05	3.75E-02	1.99E-02	1.31E+00	1.40E+00	1.12E+01	3.75E-01	1.02E-01	1.31E+01
144	486783.18	3856143.15	17.0433	1.0611	3.7025	1.71412	1.30E+00	1.13E+01	4.09E-01	9.80E-02	1.31E+01	1.26E+00	4.78E-05	4.09E-02	1.92E-02	1.32E+00	1.41E+00	1.13E+01	4.09E-01	9.80E-02	1.32E+01
145	486533.18	3856193.15	19.4008	1.13739	7.3377	1.70213	1.48E+00	1.21E+01	8.11E-01	9.73E-02	1.45E+01	1.44E+00	5.13E-05	8.11E-02	1.91E-02	1.54E+00	1.61E+00	1.21E+01	8.11E-01	9.73E-02	1.47E+01
146	486583.18	3856193.15	18.6967	1.12558	7.5769	1.66639	1.43E+00	1.20E+01	8.38E-01	9.53E-02	1.44E+01	1.38E+00	5.07E-05	8.38E-02	1.87E-02	1.49E+00	1.55E+00	1.20E+01	8.38E-01	9.53E-02	1.45E+01
147	486633.18	3856193.15	18.4848	1.12466	6.8768	1.61817	1.41E+00	1.20E+01	7.60E-01	9.25E-02	1.43E+01	1.37E+00	5.07E-05	7.60E-02	1.81E-02	1.46E+00	1.53E+00	1.20E+01	7.60E-01	9.25E-02	1.44E+01
148	486683.18	3856193.15	18.4402	1.12871	5.5723	1.56515	1.41E+00	1.20E+01	6.16E-01	8.95E-02	1.42E+01	1.37E+00	5.09E-05	6.16E-02	1.75E-02	1.44E+00	1.53E+00	1.20E+01	6.16E-01	8.95E-02	1.43E+01
149	486733.18	3856193.15	18.0958	1.12366	4.2241	1.52579	1.38E+00	1.20E+01	4.67E-01	8.72E-02	1.39E+01	1.34E+00	5.07E-05	4.67E-02	1.71E-02	1.40E+00	1.50E+00	1.20E+01	4.67E-01	8.72E-02	1.40E+01
150	486783.18	3856193.15	18.2213	1.13009	2.7613	1.4734	1.39E+00	1.21E+01	3.05E-01	8.43E-02	1.38E+01	1.35E+00	5.09E-05	3.05E-02	1.65E-02	1.40E+00	1.51E+00	1.21E+01	3.05E-01	8.43E-02	1.40E+01
151	486533.18	3856243.15	20.7918	1.21344	6.4957	2.05787	1.58E+00	1.29E+01	7.18E-01	1.18E-01	1.54E+01	1.54E+00	5.47E-05	7.18E-02	2.30E-02	1.63E+00	1.73E+00	1.29E+01	7.18E-01	1.18E-01	1.55E+01
152	486583.18	3856243.15	20.2748	1.20673	7.0539	2.0052	1.55E+00	1.29E+01	7.80E-01	1.15E-01	1.53E+01	1.50E+00	5.44E-05	7.80E-02	2.24E-02	1.60E+00	1.68E+00	1.29E+01	7.80E-01	1.15E-01	1.55E+01
153	486633.18	3856243.15	19.8385	1.20151	6.9778	1.95118	1.51E+00	1.28E+01	7.71E-01	1.12E-01	1.52E+01	1.47E+00	5.42E-05	7.71E-02	2.18E-02	1.57E+00	1.65E+00	1.28E+01	7.71E-01	1.12E-01	1.54E+01
154	486683.18	3856243.15	19.5921	1.20037	6.1939	1.89153	1.49E+00	1.28E+01	6.85E-01	1.08E-01	1.51E+01	1.45E+00	5.41E-05	6.85E-02	2.12E-02	1.54E+00	1.63E+00	1.28E+01	6.85E-01	1.08E-01	1.52E+01
155	486733.18	3856243.15	19.5653	1.20257	4.918	1.82754	1.49E+00	1.28E+01	5.44E-01	1.05E-01	1.50E+01	1.45E+00	5.42E-05	5.44E-02	2.05E-02	1.52E+00	1.62E+00	1.28E+01	5.44E-01	1.05E-01	1.51E+01
156	486783.18	3856243.15	19.3203	1.20088	3.5676	1.77209	1.47E+00	1.28E+01	3.94E-01	1.01E-01	1.48E+01	1.43E+00	5.41E-05	3.94E-02	1.98E-02	1.49E+00	1.60E+00	1.28E+01	3.94E-01	1.01E-01	1.49E+01
157	486533.18	3856293.15	22.5087	1.2934	5.3325	2.3872	1.72E+00	1.38E+01	5.90E-01	1.37E-01	1.62E+01	1.67E+00	5.83E-05	5.90E-02	2.67E-02	1.75E+00	1.87E+00	1.38E+01	5.90E-01	1.37E-01	1.64E+01
158	486583.18	3856293.15	21.8189	1.28513	6.2636	2.3281	1.66E+00	1.37E+01	6.93E-01	1.33E-01	1.62E+01	1.62E+00	5.79E-05	6.93E-02	2.61E-02	1.71E+00	1.81E+00	1.37E+01	6.93E-01	1.33E-01	1.64E+01
159	486633.18	3856293.15	21.335	1.28096	6.6557	2.26268	1.63E+00	1.37E+01	7.36E-01	1.29E-01	1.62E+01	1.58E+00	5.77E-05	7.36E-02	2.53E-02	1.68E+00	1.77E+00	1.37E+01	7.36E-01	1.29E-01	1.63E+01
160	486683.18	3856293.15	21.0362	1.27874	6.4063	2.19503	1.60E+00	1.36E+01	7.08E-01	1.26E-01	1.61E+01	1.56E+00	5.76E-05	7.08E-02	2.46E-02	1.65E+00	1.75E+00	1.36E+01	7.08E-01	1.26E-01	1.62E+01
161	486733.18	3856293.15	21.0409	1.28336	5.452	2.1155	1.60E+00	1.37E+01	6.03E-01	1.21E-01	1.60E+01	1.56E+00	5.79E-05	6.03E-02	2.37E-02	1.64E+00	1.75E+00	1.37E+01	6.03E-01	1.21E-01	1.62E+01
162	486783.18	3856293.15	20.6754	1.28069	4.2954	2.05215	1.58E+00	1.37E+01	4.75E-01	1.17E-01	1.58E+01	1.53E+00	5.77E-05	4.75E-02	2.30E-02	1.60E+00	1.72E+00	1.37E+01	4.75E-01	1.17E-01	1.60E+01
163	486783.18	3856343.15	22.3999	1.37093	4.759	2.19478	1.71E+00	1.46E+01	5.26E-01	1.26E-01	1.70E+01	1.66E+00	6.18E-05	5.26E-02	2.46E-02	1.74E+00	1.86E+00	1.46E+01	5.26E-01	1.26E-01	1.71E+01
164	486833.18	3856343.15	22.0142	1.37218	3.6026	2.12437	1.68E+00	1.46E+01	3.98E-01	1.21E-01	1.68E+01	1.63E+00	6.19E-05	3.98E-02	2.38E-02	1.69E+00	1.83E+00	1.46E+01	3.98E-01	1.21E-01	1.70E+01
165	486883.18	3856343.15	21.6385	1.37433	2.611	2.05354	1.65E+00	1.47E+01	2.89E-01	1.17E-01	1.67E+01	1.60E+00	6.20E-05	2.89E-02	2.30E-02	1.65E+00	1.80E+00	1.47E+01	2.89E-01	1.17E-01	1.69E+01
166	486783.18	3856393.15	23.8543	1.45169	5.1525	2.34443	1.82E+00	1.55E+01	5.70E-01	1.34E-01	1.80E+01	1.77E+00	6.54E-05	5.70E-02	2.62E-02	1.85E+00	1.98E+00	1.55E+01	5.70E-01	1.34E-01	1.82E+01
167	486833.18	3856393.15	23.431	1.45539	4.2195	2.25835	1.79E+00	1.55E+01	4.67E-01	1.29E-01	1.79E+01	1.73E+00	6.56E-05	4.67E-02	2.53E-02	1.81E+00	1.95E+00	1.55E+01	4.67E-01	1.29E-01	1.81E+01
168	486883.18	3856393.15	22.7945	1.45235	3.1448	2.18571	1.74E+00	1.55E+01	3.48E-01	1.25E-01	1.77E+01	1.69E+00	6.55E-05	3.48E-02	2.45E-02	1.75E+00	1.89E+00	1.55E+01	3.48E-01	1.25E-01	1.79E+01
169	487208.74	3856886.11	33.4085	2.18815	3.5389	1.7786	2.55E+00	2.34E+01	3.91E-01	1.02E-01	2.64E+01	2.47E+00	9.86E-05	3.91E-02	1.99E-02	2.53E+00	2.77E+00	2.34E+01	3.91E-01	1.02E-01	2.66E+01
170	487258.74	3856886.11	31.4964	2.19008	3.7951	1.74293	2.40E+00	2.34E+01	4.20E-01	9.97E-02	2.63E+01	2.33E+00	9.87E-05	4.20E-02	1.95E-02	2.39E+00	2.61E+00	2.34E+01	4.20E-01	9.97E-02	2.65E+01
171	487308.74	3856886.11	29.7924	2.19866	4.5526	1.70382	2.27E+00	2.35E+01	5.03E-01	9.74E-02	2.63E+01	2.21E+00	9.91E-05	5.03E-02	1.91E-02	2.28E+00	2.47E+00	2.35E+01	5.03E-01	9.74E-02	2.65E+01
172	487358.74	3856886.11	28.2108	2.19222	5.389	1.66793	2.15E+00	2.34E+01	5.96E-01	9.54E-02	2.62E+01	2.09E+00	9.88E-05	5.96E-02	1.87E-02	2.17E+00	2.34E+00	2.34E+01	5.96E-01	9.54E-02	2.64E+01
173	487208.74	3856936.11	35.6496	2.23006	4.1643	1.6971	2.72E+00	2.38E+01	4.60E-01	9.70E-02	2.71E+01	2.64E+00	1.01E-04	4.60E-02	1.90E-02	2.70E+00	2.96E+00	2.38E+01	4.60E-01	9.70E-02	2.73E+01
174	487258.74	3856936.11	33.2168	2.23443	3.5383	1.60527	2.53E+00	2.38E+01	3.91E-01	9.18E-02	2.69E+01	2.46E+00	1.01E-04	3.91E-02	1.80E-02	2.52E+00	2.76E+00	2.38E+01	3.91E-01	9.18E-02	2.71E+01
175	487308.74	3856936.11	30.748	2.24805	4.1746	1.55197	2.34E+00	2.40E+01	4.62E-01	8.87E-02	2.69E+01	2.28E+00	1.01E-04	4.62E-02	1.74E-02	2.34E+00	2.55E+00	2.40E+01	4.62E-01	8.87E-02	2.71E+01
176	487358.74	3856936.11	28.3254	2.25137	5.0105	1.52257	2.16E+00	2.40E+01	5.54E-01	8.71E-02	2.68E+01	2.10E+00	1.01E-04	5.54E-02	1.70E-02	2.17E+00	2.35E+00	2.40E+01	5.54E-01	8.71E-02	2.70E+01
177	487208.74	3856986.11	37.0496	2.26028	4.8525	1.81399	2.82E+00	2.41E+01	5.36E-01	1.04E-01	2.76E+01	2.74E+00	1.02E-04	5.36E-02	2.03E-02	2.82E+00	3.08E+00	2.41E+01	5.36E-01	1.04E-01	2.78E+01
178	487258.74	3856986.11	32.954	2.28864	4.1893	1.7183	2.51E+00	2.44E+01	4.63E-01	9.83E-02	2.75E+01	2.44E+00	1.03E-04	4.63E-02	1.92E-02	2.51E+00	2.74E+00	2.44E+01	4.63E-01	9.83E-02	2.77E+01
179	487308.74	3856986.11	29.553	2.28017	3.7779	1.63645	2.25E+00	2.43E+01	4.18E-01	9.36E-02	2.71E+01	2.19E+00	1.03E-04	4.18E-02	1.83E-02	2.25E+00	2.45E+00	2.43E+01	4.18E-01	9.36E-02	2.73E+01

180	487358.74	3856986.11	26.5073	2.30342	4.602	1.54473	2.02E+00	2.46E+01	5.09E-01	8.83E-02	2.72E+01	1.96E+00	1.04E-04	5.09E-02	1.73E-02	2.03E+00	2.20E+00	2.46E+01	5.09E-01	8.83E-02	2.74E+01
181	487208.74	3857036.11	34.3714	2.27214	5.5845	1.88046	2.62E+00	2.42E+01	6.17E-01	1.08E-01	2.76E+01	2.54E+00	1.02E-04	6.17E-02	2.11E-02	2.63E+00	2.85E+00	2.42E+01	6.17E-01	1.08E-01	2.78E+01
182	487258.74	3857036.11	31.0725	2.29129	4.9079	1.79758	2.37E+00	2.45E+01	5.43E-01	1.03E-01	2.75E+01	2.30E+00	1.03E-04	5.43E-02	2.01E-02	2.37E+00	2.58E+00	2.45E+01	5.43E-01	1.03E-01	2.77E+01
183	487308.74	3857036.11	28.3635	2.32214	4.2005	1.70987	2.16E+00	2.48E+01	4.64E-01	9.78E-02	2.75E+01	2.10E+00	1.05E-04	4.64E-02	1.91E-02	2.17E+00	2.35E+00	2.48E+01	4.64E-01	9.78E-02	2.77E+01
184	487358.74	3857036.11	26.1457	2.33724	4.1651	1.6275	1.99E+00	2.49E+01	4.60E-01	9.31E-02	2.75E+01	1.94E+00	1.05E-04	4.60E-02	1.82E-02	2.00E+00	2.17E+00	2.49E+01	4.60E-01	9.31E-02	2.77E+01
185	487427.14	3856878.23	25.9113	2.21972	6.6702	1.6196	1.97E+00	2.37E+01	7.37E-01	9.26E-02	2.65E+01	1.92E+00	1.00E-04	7.37E-02	1.81E-02	2.01E+00	2.15E+00	2.37E+01	7.37E-01	9.26E-02	2.67E+01
186	487477.14	3856878.23	24.3241	2.23394	7.5703	1.57337	1.85E+00	2.38E+01	8.37E-01	9.00E-02	2.66E+01	1.80E+00	1.01E-04	8.37E-02	1.76E-02	1.90E+00	2.02E+00	2.38E+01	8.37E-01	9.00E-02	2.68E+01
187	487527.14	3856878.23	22.7756	2.23859	8.4156	1.52939	1.74E+00	2.39E+01	9.30E-01	8.75E-02	2.66E+01	1.69E+00	1.01E-04	9.30E-02	1.71E-02	1.80E+00	1.89E+00	2.39E+01	9.30E-01	8.75E-02	2.68E+01
188	487427.14	3856928.23	25.3864	2.2723	6.3324	1.49676	1.93E+00	2.42E+01	7.00E-01	8.56E-02	2.70E+01	1.88E+00	1.02E-04	7.00E-02	1.68E-02	1.97E+00	2.11E+00	2.42E+01	7.00E-01	8.56E-02	2.71E+01
189	487477.14	3856928.23	23.4461	2.26768	7.2872	1.46512	1.79E+00	2.42E+01	8.06E-01	8.38E-02	2.69E+01	1.74E+00	1.02E-04	8.06E-02	1.64E-02	1.83E+00	1.95E+00	2.42E+01	8.06E-01	8.38E-02	2.70E+01
190	487527.14	3856928.23	21.6825	2.28241	8.214	1.42705	1.65E+00	2.44E+01	9.08E-01	8.16E-02	2.70E+01	1.61E+00	1.03E-04	9.08E-02	1.60E-02	1.71E+00	1.80E+00	2.44E+01	9.08E-01	8.16E-02	2.71E+01
191	487577.14	3856928.23	20.1449	2.29431	9.0454	1.38884	1.54E+00	2.45E+01	1.00E+00	7.94E-02	2.71E+01	1.49E+00	1.03E-04	1.00E-01	1.55E-02	1.61E+00	1.67E+00	2.45E+01	1.00E+00	7.94E-02	2.72E+01
192	487627.14	3856928.23	18.8412	2.28501	9.7077	1.35607	1.44E+00	2.44E+01	1.07E+00	7.75E-02	2.70E+01	1.39E+00	1.03E-04	1.07E-01	1.52E-02	1.52E+00	1.56E+00	2.44E+01	1.07E+00	7.75E-02	2.71E+01
193	487677.14	3856928.23	17.7162	2.30909	10.134	1.31283	1.35E+00	2.46E+01	1.12E+00	7.51E-02	2.72E+01	1.31E+00	1.04E-04	1.12E-01	1.47E-02	1.44E+00	1.47E+00	2.46E+01	1.12E+00	7.51E-02	2.73E+01
194	487727.14	3856928.23	17.0231	2.3373	10.264	1.26774	1.30E+00	2.49E+01	1.13E+00	7.25E-02	2.74E+01	1.26E+00	1.05E-04	1.13E-01	1.42E-02	1.39E+00	1.41E+00	2.49E+01	1.13E+00	7.25E-02	2.76E+01
195	487777.14	3856928.23	16.4039	2.34257	10.068	1.22896	1.25E+00	2.50E+01	1.11E+00	7.03E-02	2.74E+01	1.21E+00	1.06E-04	1.11E-01	1.38E-02	1.34E+00	1.36E+00	2.50E+01	1.11E+00	7.03E-02	2.75E+01
196	487427.14	3856978.23	23.61	2.30029	5.9466	1.41445	1.80E+00	2.45E+01	6.57E-01	8.09E-02	2.71E+01	1.75E+00	1.04E-04	6.57E-02	1.58E-02	1.83E+00	1.96E+00	2.45E+01	6.57E-01	8.09E-02	2.72E+01
197	487477.14	3856978.23	21.5886	2.31605	6.9483	1.32961	1.65E+00	2.47E+01	7.68E-01	7.60E-02	2.72E+01	1.60E+00	1.04E-04	7.68E-02	1.49E-02	1.69E+00	1.79E+00	2.47E+01	7.68E-01	7.60E-02	2.74E+01
198	487527.14	3856978.23	20.4566	2.32999	7.9481	1.28458	1.56E+00	2.49E+01	8.79E-01	7.35E-02	2.74E+01	1.51E+00	1.05E-04	8.79E-02	1.44E-02	1.62E+00	1.70E+00	2.49E+01	8.79E-01	7.35E-02	2.75E+01
199	487577.14	3856978.23	19.4749	2.3365	8.8777	1.25659	1.48E+00	2.49E+01	9.82E-01	7.19E-02	2.75E+01	1.44E+00	1.05E-04	9.82E-02	1.41E-02	1.55E+00	1.62E+00	2.49E+01	9.82E-01	7.19E-02	2.76E+01
200	487627.14	3856978.23	18.6147	2.32497	9.6574	1.23215	1.42E+00	2.48E+01	1.07E+00	7.05E-02	2.74E+01	1.38E+00	1.05E-04	1.07E-01	1.38E-02	1.50E+00	1.55E+00	2.48E+01	1.07E+00	7.05E-02	2.75E+01
201	487677.14	3856978.23	17.781	2.3468	10.207	1.19818	1.36E+00	2.50E+01	1.13E+00	6.85E-02	2.76E+01	1.32E+00	1.06E-04	1.13E-01	1.34E-02	1.44E+00	1.48E+00	2.50E+01	1.13E+00	6.85E-02	2.77E+01
202	487727.14	3856978.23	17.1043	2.30645	10.454	1.1798	1.30E+00	2.46E+01	1.16E+00	6.75E-02	2.71E+01	1.27E+00	1.04E-04	1.16E-01	1.32E-02	1.40E+00	1.42E+00	2.46E+01	1.16E+00	6.75E-02	2.73E+01
203	487777.14	3856978.23	16.3165	2.39366	10.353	1.12658	1.24E+00	2.55E+01	1.14E+00	6.44E-02	2.80E+01	1.21E+00	1.08E-04	1.14E-01	1.26E-02	1.34E+00	1.35E+00	2.55E+01	1.14E+00	6.44E-02	2.81E+01
204	487427.14	3857028.23	23.6478	2.34558	5.5113	1.50654	1.80E+00	2.50E+01	6.09E-01	8.61E-02	2.75E+01	1.75E+00	1.06E-04	6.09E-02	1.69E-02	1.83E+00	1.96E+00	2.50E+01	6.09E-01	8.61E-02	2.77E+01
205	487477.14	3857028.23	22.0649	2.35432	6.5412	1.42682	1.68E+00	2.51E+01	7.23E-01	8.16E-02	2.76E+01	1.63E+00	1.06E-04	7.23E-02	1.60E-02	1.72E+00	1.83E+00	2.51E+01	7.23E-01	8.16E-02	2.78E+01
206	487527.14	3857028.23	20.6643	2.35548	7.6018	1.35101	1.58E+00	2.51E+01	8.40E-01	7.73E-02	2.76E+01	1.53E+00	1.06E-04	8.40E-02	1.51E-02	1.63E+00	1.72E+00	2.51E+01	8.40E-01	7.73E-02	2.78E+01
207	487577.14	3857028.23	19.3785	2.36619	8.6245	1.27356	1.48E+00	2.53E+01	9.54E-01	7.28E-02	2.78E+01	1.43E+00	1.07E-04	9.54E-02	1.43E-02	1.54E+00	1.61E+00	2.53E+01	9.54E-01	7.28E-02	2.79E+01
208	487627.14	3857028.23	18.3021	2.34748	9.5236	1.20783	1.40E+00	2.51E+01	1.05E+00	6.91E-02	2.76E+01	1.35E+00	1.06E-04	1.05E-01	1.35E-02	1.47E+00	1.52E+00	2.51E+01	1.05E+00	6.91E-02	2.77E+01
209	487677.14	3857028.23	17.4448	2.36102	10.207	1.13328	1.33E+00	2.52E+01	1.13E+00	6.48E-02	2.77E+01	1.29E+00	1.06E-04	1.13E-01	1.27E-02	1.42E+00	1.45E+00	2.52E+01	1.13E+00	6.48E-02	2.78E+01
210	487727.14	3857028.23	16.6397	2.39422	10.589	1.05467	1.27E+00	2.56E+01	1.17E+00	6.03E-02	2.80E+01	1.23E+00	1.08E-04	1.17E-01	1.18E-02	1.36E+00	1.38E+00	2.56E+01	1.17E+00	6.03E-02	2.82E+01
211	487777.14	3857028.23	15.9393	2.42019	10.602	1.00535	1.21E+00	2.58E+01	1.17E+00	5.75E-02	2.83E+01	1.18E+00	1.09E-04	1.17E-01	1.13E-02	1.31E+00	1.32E+00	2.58E+01	1.17E+00	5.75E-02	2.84E+01
212	487427.14	3857078.23	22.5274	2.39136	5.0218	1.56089	1.72E+00	2.55E+01	5.55E-01	8.93E-02	2.79E+01	1.67E+00	1.08E-04	5.55E-02	1.75E-02	1.74E+00	1.87E+00	2.55E+01	5.55E-01	8.93E-02	2.80E+01
213	487477.14	3857078.23	21.0491	2.39001	6.0637	1.49119	1.60E+00	2.55E+01	6.70E-01	8.53E-02	2.79E+01	1.56E+00	1.08E-04	6.70E-02	1.67E-02	1.64E+00	1.75E+00	2.55E+01	6.70E-01	8.53E-02	2.80E+01
214	487527.14	3857078.23	19.6954	2.38711	7.1716	1.41773	1.50E+00	2.55E+01	7.93E-01	8.11E-02	2.78E+01	1.46E+00	1.08E-04	7.93E-02	1.59E-02	1.55E+00	1.64E+00	2.55E+01	7.93E-01	8.11E-02	2.80E+01
215	487577.14	3857078.23	18.4848	2.38909	8.2794	1.34689	1.41E+00	2.55E+01	9.15E-01	7.70E-02	2.79E+01	1.37E+00	1.08E-04	9.15E-02	1.51E-02	1.48E+00	1.53E+00	2.55E+01	9.15E-01	7.70E-02	2.80E+01
216	487627.14	3857078.23	17.4004	2.38345	9.2986	1.28038	1.33E+00	2.54E+01	1.03E+00	7.32E-02	2.79E+01	1.29E+00	1.07E-04	1.03E-01	1.43E-02	1.41E+00	1.44E+00	2.54E+01	1.03E+00	7.32E-02	2.80E+01
217	487677.14	3857078.23	16.4818	2.39195	10.126	1.20923	1.26E+00	2.55E+01	1.12E+00	6.91E-02	2.80E+01	1.22E+00	1.08E-04	1.12E-01	1.35E-02	1.35E+00	1.37E+00	2.55E+01	1.12E+00	6.91E-02	2.81E+01
218	487727.14	3857078.23	15.7637	2.4269	10.657	1.13637	1.20E+00	2.59E+01	1.18E+00	6.50E-02	2.83E+01	1.17E+00	1.09E-04	1.18E-01	1.27E-02	1.30E+00	1.31E+00	2.59E+01	1.18E+00	6.50E-02	2.85E+01
219	487777.14	3857078.23	15.1493	2.47342	10.806	1.07209	1.15E+00	2.64E+01	1.19E+00	6.13E-02	2.88E+01	1.12E+00	1.11E-04	1.19E-01	1.20E-02	1.25E+00	1.26E+00	2.64E+01	1.19E+00	6.13E-02	2.89E+01
220	487427.14	3857128.23	21.5628	2.49342	4.489	1.56557	1.64E+00	2.66E+01	4.96E-01	8.95E-02	2.88E+01	1.60E+00	1.12E-04	4.96E-02	1.75E-02	1.66E+00	1.79E+00	2.66E+01	4.96E-01	8.95E-02	2.90E+01
221	487477.14	3857128.23	20.024	2.48672	5.5256	1.50802	1.53E+00	2.65E+01	6.11E-01	8.62E-02	2.88E+01	1.48E+00	1.12E-04	6.11E-02	1.69E-02	1.56E+00	1.66E+00	2.65E+01	6.11E-01	8.62E-02	2.89E+01
222	487527.14	3857128.23	18.8604	2.47144	6.6637	1.44877	1.44E+00	2.64E+01	7.37E-01	8.28E-02	2.86E+01	1.40E+00	1.11E-04	7.37E-02	1.62E-02	1.49E+00	1.57E+00	2.64E+01	7.37E-01	8.28E-02	2.88E+01
223	487577.14	3857128.23	17.8219	2.45029	7.8434	1.38378	1.36E+00	2.61E+01	8.67E-01	7.91E-02	2.85E+01	1.32E+00	1.10E-04	8.67E-02	1.55E-02	1.42E+00	1.48E+00	2.61E+01	8.67E-01	7.91E-02	2.86E+01
224	487627.14	3857128.23	16.8974	2.43515	8.9761	1.31815	1.29E+00	2.60E+01	9.92E-01	7.54E-02	2.83E+01	1.25E+00	1.10E-04	9.92E-02	1.48E-02	1.37E+00	1.40E+00	2.60E+01	9.92E-01	7.54E-02	2.85E+01
225	487677.14	3857128.23	16.0875	2.42816	9.95	1.25903	1.23E+00	2.59E+01	1.10E+00	7.20E-02	2.83E+01	1.19E+00	1.09E-04	1.10E-01	1.41E-02	1.32E+00	1.34E+00	2.59E+01	1.10E+00	7.20E-02	2.84E+01
226	487727.14	3857128.23	15.3051	2.48554	10.644	1.18644	1.17E+00	2.65E+01	1.18E+00	6.78E-02	2.89E+01	1.13E+00	1.12E-04	1.18E-01	1.33E-02	1.26E+00	1.27E+00	2.65E+01	1.18E+00	6.78E-02	2.90E+01
227	487777.14	3857128.23	14.624	2.53059	10.949	1.12659	1.11E+00	2.70E+01	1.21E+00	6.44E-02	2.94E+01	1.08E+00	1.14E-04	1.21E-01	1.26E-02	1.22E+00	1.21E+00	2.70E+01	1.21E+00	6.44E-02	2.95E+01
228	488049.44	3856539.39	15.1984	1.99482	3.8753	1.0371	1.16E+00	2.13E+01	4.28E-01	5.93E-02	2.29E+01	1.13E+00	8.99E-05	4.28E-02	1.16E-02	1.18E+00	1.26E+00	2.13E+01	4.28E-01	5.93E-02	2.30E+01
229	488099.44	3856539.39	14.8513	1.9705	4.3327	1.00504	1.13E+00	2.10E+01	4.79E-01	5.75E-02	2.27E+01	1.10E+00	8.88E-05	4.79E-02	1.13E-02	1.16E+00	1.23E+00	2.10E+01	4.79E-01	5.75E-02	2.28E+01
230	488149.44	3856539.39	14.4916	1.96624	4.686	0.97399	1.10E+00	2.10E+01	5.18E-01	5.57E-02	2.27E+01	1.07E+00	8.86E-05	5.18E-02	1.09E-02	1.14E+00	1.20E+00	2.10E+01	5.18E-01	5.57E-02	2.28E+01
231	488049.44	3856589.39	15.3308	2.0609	3.9391	1.07483	1.17E+00	2.20E+01	4.36E-01	6.15E-02	2.37E+01	1.13E+00	9.29E-05	4.36E-02	1.20E-02	1.19E+00	1.27E+00	2.20E+01	4.36E-01	6.15E-02	2.38E+01
232	488099.44	3856589.39	14.8904	2.04068	4.4115	1.0389	1.13E+00	2.18E+01	4.88E-01	5.94E-02	2.35E+01	1.10E+00	9.20E-05	4.88E-02	1.16E-02	1.16E+00	1.24E+00	2.18E+01	4.88E-01	5.94E-02	2.36E+01
233	488149.44	3856589.39	14.4355	2.02664	4.7713	1.00133	1.10E+00	2.16E+01	5.28E-01	5.73E-02	2.33E+01	1.07E+00	9.14E-05	5.28E-02	1.12E-02	1.13E+00	1.20E+00	2.16E+01	5.28E-01	5.73E-02	2.34E+01
234	488199.44	3856589.39	13.9731	1.99964	4.9814	0.97354	1.07E+00	2.13E+01	5.51E-01	5.57E-02	2.30E+01	1.03E+00	9.01E-05	5.51E-02	1.09E-02	1.10E+00	1.16E+00	2.13E+01	5.51E-01	5.57E-02	2.31E+01
235	488249.44	3856589.39	13.5147	2.03218	5.0215	0.97036	1.03E+00	2.17E+01	5.55E-01	5.55E-02	2.33E+01	1.00E+00	9.16E-05	5.55E-02	1.09E-02	1.07E+00	1.12E+00	2.17E+01	5.55E-01	5.55E-02	2.34E+01
236	488049.44	3856639.39	15.2351	2.11385	4.0031	1.10084	1.16E+00	2.26E+01	4.43E-01	6.29E-02	2.42E+01	1.13E+00	9.53E-05	4.43E-02	1.23E-02	1.18E+00	1.26E+00	2.26E+01	4.43E-01	6.29E-02	2.43E+01
237	488099.44	3856639.39	14.6997	2.09511	4.4912	1.06386	1.12E+00	2.24E+01	4.97E-01	6.08E-02	2.40E+01	1.09E+00	9.44E-05	4.97E-02	1.19E-02	1.15E+00	1.22E+00	2.24E+01	4.97E-01	6.08E-02	2.41E+01
238	488149.44	3856639.39	14.171	2.07861	4.8577	1.0272	1.08E+00	2.22E+01	5.37E-01	5.87E-02	2.39E+01	1.05E+00	9.37E-05	5.37E-02	1.15E-02	1.11E+00	1.18E+00	2.22E+01	5.37E-01	5.87E-02	2.40E+01
239	488199.44	3856639.39	13.6538	2.08251	5.0633	0.98232	1.04E+00	2.22E+01	5.60E-01	5.62E-02	2.39E+01	1.01E+00	9.39E-05	5.60E-02	1.10E-02	1.08E+00	1.13E+00	2.22E+01	5.60E-01	5.62E-02	2.40E+01
240	488249.44	3856639.39	13.1661	2.07807	5.0862	0.96528	1.00E+00	2.22E+01	5.62E-01	5.52E-02	2.38E+01	9.75E-01	9.37E-05	5.62E-02	1.08E-02	1.04E+00	1.09E+00	2.22E+01	5.62E-01	5.52E-02	2.39E+01

241	488299.44	3856639.39	12.7093	2.07619	5.9173	0.96193	9.69E-01	2.22E+01	6.54E-01	5.50E-02	2.38E+01	9.41E-01	9.36E-05	6.54E-02	1.08E-02	1.02E+00	1.06E+00	2.22E+01	6.54E-01	5.50E-02	2.39E+01
242	488349.44	3856639.39	12.2913	2.06043	6.9861	0.9583	9.37E-01	2.20E+01	7.72E-01	5.48E-02	2.38E+01	9.10E-01	9.29E-05	7.72E-02	1.07E-02	9.98E-01	1.02E+00	2.20E+01	7.72E-01	5.48E-02	2.38E+01
243	488399.44	3856639.39	11.8936	2.08097	7.8819	0.95519	9.07E-01	2.22E+01	8.71E-01	5.46E-02	2.40E+01	8.81E-01	9.38E-05	8.71E-02	1.07E-02	9.78E-01	9.87E-01	2.22E+01	8.71E-01	5.46E-02	2.41E+01
244	488099.44	3856689.39	14.3011	2.16225	4.572	1.06632	1.09E+00	2.31E+01	5.05E-01	6.10E-02	2.47E+01	1.06E+00	9.75E-05	5.05E-02	1.19E-02	1.12E+00	1.19E+00	2.31E+01	5.05E-01	6.10E-02	2.48E+01
245	488149.44	3856689.39	13.7595	2.14311	4.9449	1.03169	1.05E+00	2.29E+01	5.47E-01	5.90E-02	2.45E+01	1.02E+00	9.66E-05	5.47E-02	1.15E-02	1.08E+00	1.14E+00	2.29E+01	5.47E-01	5.90E-02	2.46E+01
246	488199.44	3856689.39	13.2479	2.14552	5.1443	0.98872	1.01E+00	2.29E+01	5.69E-01	5.65E-02	2.45E+01	9.81E-01	9.67E-05	5.69E-02	1.11E-02	1.05E+00	1.10E+00	2.29E+01	5.69E-01	5.65E-02	2.46E+01
247	488249.44	3856689.39	12.7905	2.12593	5.1482	0.95685	9.75E-01	2.27E+01	5.69E-01	5.47E-02	2.43E+01	9.47E-01	9.58E-05	5.69E-02	1.07E-02	1.01E+00	1.06E+00	2.27E+01	5.69E-01	5.47E-02	2.44E+01
248	488299.44	3856689.39	12.3539	2.14455	6.2017	0.94859	9.42E-01	2.29E+01	6.86E-01	5.42E-02	2.46E+01	9.15E-01	9.67E-05	6.86E-02	1.06E-02	9.94E-01	1.03E+00	2.29E+01	6.86E-01	5.42E-02	2.47E+01
249	488349.44	3856689.39	11.9705	2.13129	7.281	0.94557	9.12E-01	2.27E+01	8.05E-01	5.41E-02	2.45E+01	8.86E-01	9.61E-05	8.05E-02	1.06E-02	9.77E-01	9.94E-01	2.27E+01	8.05E-01	5.41E-02	2.46E+01
250	488399.44	3856689.39	11.6306	2.09334	8.1408	0.94209	8.86E-01	2.23E+01	9.00E-01	5.39E-02	2.42E+01	8.61E-01	9.44E-05	9.00E-02	1.05E-02	9.62E-01	9.66E-01	2.23E+01	9.00E-01	5.39E-02	2.43E+01
251	488099.44	3856739.39	13.8254	2.2396	4.6533	1.04636	1.05E+00	2.39E+01	5.14E-01	5.98E-02	2.55E+01	1.02E+00	1.01E-04	5.14E-02	1.17E-02	1.09E+00	1.15E+00	2.39E+01	5.14E-01	5.98E-02	2.56E+01
252	488149.44	3856739.39	13.3295	2.2077	5.0325	1.01842	1.02E+00	2.36E+01	5.56E-01	5.82E-02	2.52E+01	9.87E-01	9.95E-05	5.56E-02	1.14E-02	1.05E+00	1.11E+00	2.36E+01	5.56E-01	5.82E-02	2.53E+01
253	488199.44	3856739.39	12.8454	2.22542	5.2243	0.9713	9.79E-01	2.37E+01	5.78E-01	5.55E-02	2.54E+01	9.51E-01	1.00E-04	5.78E-02	1.09E-02	1.02E+00	1.07E+00	2.37E+01	5.78E-01	5.55E-02	2.54E+01
254	488249.44	3856739.39	12.429	2.20571	5.2901	0.94058	9.47E-01	2.35E+01	5.85E-01	5.38E-02	2.51E+01	9.20E-01	9.94E-05	5.85E-02	1.05E-02	9.89E-01	1.03E+00	2.35E+01	5.85E-01	5.38E-02	2.52E+01
255	488299.44	3856739.39	12.061	2.16189	6.4871	0.92566	9.19E-01	2.31E+01	7.17E-01	5.29E-02	2.48E+01	8.93E-01	9.75E-05	7.17E-02	1.04E-02	9.75E-01	1.00E+00	2.31E+01	7.17E-01	5.29E-02	2.48E+01
256	488349.44	3856739.39	11.674	2.19977	7.5733	0.92413	8.90E-01	2.35E+01	8.37E-01	5.28E-02	2.53E+01	8.64E-01	9.92E-05	8.37E-02	1.03E-02	9.58E-01	9.69E-01	2.35E+01	8.37E-01	5.28E-02	2.53E+01
257	488399.44	3856739.39	11.3139	2.23099	8.3974	0.92239	8.62E-01	2.38E+01	9.28E-01	5.27E-02	2.57E+01	8.38E-01	1.01E-04	9.28E-02	1.03E-02	9.41E-01	9.39E-01	2.38E+01	9.28E-01	5.27E-02	2.57E+01
258	487999.44	3856789.39	14.5199	2.26397	5.8644	1.10411	1.11E+00	2.42E+01	6.48E-01	6.31E-02	2.60E+01	1.07E+00	1.02E-04	6.48E-02	1.24E-02	1.15E+00	1.21E+00	2.42E+01	6.48E-01	6.31E-02	2.61E+01
259	488049.44	3856789.39	13.9345	2.26547	4.3205	1.06481	1.06E+00	2.42E+01	4.78E-01	6.09E-02	2.58E+01	1.03E+00	1.02E-04	4.78E-02	1.19E-02	1.09E+00	1.16E+00	2.42E+01	4.78E-01	6.09E-02	2.59E+01
260	488099.44	3856789.39	13.3834	2.29131	4.7346	1.01713	1.02E+00	2.45E+01	5.23E-01	5.82E-02	2.61E+01	9.91E-01	1.03E-04	5.23E-02	1.14E-02	1.05E+00	1.11E+00	2.45E+01	5.23E-01	5.82E-02	2.61E+01
261	488149.44	3856789.39	12.9142	2.2766	5.1199	0.98486	9.84E-01	2.43E+01	5.66E-01	5.63E-02	2.59E+01	9.56E-01	1.03E-04	5.66E-02	1.10E-02	1.02E+00	1.07E+00	2.43E+01	5.66E-01	5.63E-02	2.60E+01
262	488199.44	3856789.39	12.5333	2.2824	5.3023	0.94566	9.55E-01	2.44E+01	5.86E-01	5.41E-02	2.60E+01	9.28E-01	1.03E-04	5.86E-02	1.06E-02	9.97E-01	1.04E+00	2.44E+01	5.86E-01	5.41E-02	2.60E+01
263	488249.44	3856789.39	12.2546	2.27062	5.5518	0.9138	9.34E-01	2.42E+01	6.14E-01	5.23E-02	2.58E+01	9.07E-01	1.02E-04	6.14E-02	1.02E-02	9.79E-01	1.02E+00	2.42E+01	6.14E-01	5.23E-02	2.59E+01
264	488299.44	3856789.39	11.9943	2.23982	6.7824	0.8955	9.14E-01	2.39E+01	7.50E-01	5.12E-02	2.56E+01	8.88E-01	1.01E-04	7.50E-02	1.00E-02	9.73E-01	9.96E-01	2.39E+01	7.50E-01	5.12E-02	2.57E+01
265	488349.44	3856789.39	11.6998	2.27897	7.8605	0.89477	8.92E-01	2.43E+01	8.69E-01	5.12E-02	2.61E+01	8.66E-01	1.03E-04	8.69E-02	1.00E-02	9.63E-01	9.71E-01	2.43E+01	8.69E-01	5.12E-02	2.62E+01
266	488399.44	3856789.39	11.4238	2.29519	8.6243	0.89359	8.71E-01	2.45E+01	9.54E-01	5.11E-02	2.64E+01	8.46E-01	1.03E-04	9.54E-02	1.00E-02	9.51E-01	9.48E-01	2.45E+01	9.54E-01	5.11E-02	2.64E+01
267	487949.44	3856839.39	14.5975	2.30644	6.8072	1.14356	1.11E+00	2.46E+01	7.53E-01	6.54E-02	2.65E+01	1.08E+00	1.04E-04	7.53E-02	1.28E-02	1.17E+00	1.21E+00	2.46E+01	7.53E-01	6.54E-02	2.66E+01
268	487999.44	3856839.39	14.0204	2.31365	6.0408	1.09626	1.07E+00	2.47E+01	6.68E-01	6.27E-02	2.65E+01	1.04E+00	1.04E-04	6.68E-02	1.23E-02	1.12E+00	1.16E+00	2.47E+01	6.68E-01	6.27E-02	2.66E+01
269	488049.44	3856839.39	13.6519	2.31586	4.5022	1.05153	1.04E+00	2.47E+01	4.98E-01	6.01E-02	2.63E+01	1.01E+00	1.04E-04	4.98E-02	1.18E-02	1.07E+00	1.13E+00	2.47E+01	4.98E-01	6.01E-02	2.64E+01
270	488099.44	3856839.39	13.29	2.32998	4.8156	1.00334	1.01E+00	2.49E+01	5.32E-01	5.74E-02	2.65E+01	9.84E-01	1.05E-04	5.32E-02	1.12E-02	1.05E+00	1.10E+00	2.49E+01	5.32E-01	5.74E-02	2.66E+01
271	488149.44	3856839.39	12.9436	2.34137	5.2067	0.95695	9.87E-01	2.50E+01	5.76E-01	5.47E-02	2.66E+01	9.58E-01	1.06E-04	5.76E-02	1.07E-02	1.03E+00	1.07E+00	2.50E+01	5.76E-01	5.47E-02	2.67E+01
272	488199.44	3856839.39	12.6136	2.34765	5.3777	0.91327	9.61E-01	2.51E+01	5.95E-01	5.22E-02	2.67E+01	9.34E-01	1.06E-04	5.95E-02	1.02E-02	1.00E+00	1.05E+00	2.51E+01	5.95E-01	5.22E-02	2.67E+01
273	487949.44	3856889.39	14.569	2.33495	6.9493	1.12828	1.11E+00	2.49E+01	7.68E-01	6.45E-02	2.69E+01	1.08E+00	1.05E-04	7.68E-02	1.26E-02	1.17E+00	1.21E+00	2.49E+01	7.68E-01	6.45E-02	2.70E+01
274	487999.44	3856889.39	14.1057	2.37114	6.2044	1.07482	1.08E+00	2.53E+01	6.86E-01	6.15E-02	2.71E+01	1.04E+00	1.07E-04	6.86E-02	1.20E-02	1.13E+00	1.17E+00	2.53E+01	6.86E-01	6.15E-02	2.72E+01
275	488049.44	3856889.39	13.7168	2.35108	4.6831	1.04044	1.05E+00	2.51E+01	5.18E-01	5.95E-02	2.67E+01	1.02E+00	1.06E-04	5.18E-02	1.16E-02	1.08E+00	1.14E+00	2.51E+01	5.18E-01	5.95E-02	2.68E+01
276	488099.44	3856889.39	13.305	2.37892	4.8958	0.99053	1.01E+00	2.54E+01	5.41E-01	5.66E-02	2.70E+01	9.85E-01	1.07E-04	5.41E-02	1.11E-02	1.05E+00	1.10E+00	2.54E+01	5.41E-01	5.66E-02	2.71E+01
277	488635.86	3857895.05	9.95198	3.52212	17.624	1.57904	7.59E-01	3.76E+01	1.95E+00	9.03E-02	4.04E+01	7.37E-01	1.59E-04	1.95E-01	1.77E-02	9.49E-01	8.26E-01	3.76E+01	1.95E+00	9.03E-02	4.05E+01
278	489137.64	3857804.15	7.93811	3.08209	11.635	1.13772	6.05E-01	3.29E+01	1.29E+00	6.51E-02	3.48E+01	5.88E-01	1.39E-04	1.29E-01	1.27E-02	7.29E-01	6.59E-01	3.29E+01	1.29E+00	6.51E-02	3.49E+01
279	488617.32	3857859.41	10.2294	3.49297	20.444	1.51373	7.80E-01	3.73E+01	2.26E+00	8.66E-02	4.04E+01	7.57E-01	1.57E-04	2.26E-01	1.69E-02	1.00E+00	8.49E-01	3.73E+01	2.26E+00	8.66E-02	4.05E+01
280	488667.32	3857859.41	10.1518	3.34573	18.706	1.54381	7.74E-01	3.57E+01	2.07E+00	8.83E-02	3.86E+01	7.52E-01	1.51E-04	2.07E-01	1.73E-02	9.76E-01	8.43E-01	3.57E+01	2.07E+00	8.83E-02	3.87E+01
281	488717.32	3857859.41	10.0063	3.22643	16.47	1.51826	7.63E-01	3.44E+01	1.82E+00	8.68E-02	3.71E+01	7.41E-01	1.45E-04	1.82E-01	1.70E-02	9.40E-01	8.31E-01	3.44E+01	1.82E+00	8.68E-02	3.72E+01
282	488767.32	3857859.41	9.77507	3.15271	15.905	1.43487	7.45E-01	3.36E+01	1.76E+00	8.21E-02	3.62E+01	7.24E-01	1.42E-04	1.76E-01	1.61E-02	9.16E-01	8.12E-01	3.36E+01	1.76E+00	8.21E-02	3.63E+01
283	488617.32	3857909.41	9.77497	3.61431	19.968	1.59536	7.45E-01	3.86E+01	2.21E+00	9.12E-02	4.16E+01	7.24E-01	1.63E-04	2.21E-01	1.79E-02	9.62E-01	8.12E-01	3.86E+01	2.21E+00	9.12E-02	4.17E+01
284	488667.32	3857909.41	9.81264	3.48322	19.47	1.52715	7.48E-01	3.72E+01	2.15E+00	8.73E-02	4.02E+01	7.26E-01	1.57E-04	2.15E-01	1.71E-02	9.59E-01	8.15E-01	3.72E+01	2.15E+00	8.73E-02	4.02E+01
285	488717.32	3857909.41	9.84751	3.33672	18.607	1.42805	7.51E-01	3.56E+01	2.06E+00	8.17E-02	3.85E+01	7.29E-01	1.50E-04	2.06E-01	1.60E-02	9.51E-01	8.18E-01	3.56E+01	2.06E+00	8.17E-02	3.86E+01
286	488767.32	3857909.41	9.74746	3.26633	18.017	1.35604	7.43E-01	3.49E+01	1.99E+00	7.75E-02	3.77E+01	7.22E-01	1.47E-04	1.99E-01	1.52E-02	9.36E-01	8.09E-01	3.49E+01	1.99E+00	7.75E-02	3.77E+01
287	488417.32	3857959.41	7.20078	4.56271	38.157	1.55286	5.49E-01	4.87E+01	4.22E+00	8.88E-02	5.35E+01	5.33E-01	2.06E-04	4.22E-01	1.74E-02	9.73E-01	5.98E-01	4.87E+01	4.22E+00	8.88E-02	5.36E+01
288	488467.32	3857959.41	7.78614	4.41165	36.798	1.64427	5.93E-01	4.71E+01	4.07E+00	9.40E-02	5.18E+01	5.76E-01	1.99E-04	4.07E-01	1.84E-02	1.00E+00	6.46E-01	4.71E+01	4.07E+00	9.40E-02	5.19E+01
289	488517.32	3857959.41	8.28447	4.1981	34.043	1.66709	6.31E-01	4.48E+01	3.76E+00	9.53E-02	4.93E+01	6.13E-01	1.89E-04	3.76E-01	1.87E-02	1.01E+00	6.88E-01	4.48E+01	3.76E+00	9.53E-02	4.93E+01
290	488567.32	3857959.41	8.69001	3.96215	30.743	1.62479	6.62E-01	4.23E+01	3.40E+00	9.29E-02	4.64E+01	6.43E-01	1.79E-04	3.40E-01	1.82E-02	1.00E+00	7.21E-01	4.23E+01	3.40E+00	9.29E-02	4.65E+01
291	488617.32	3857959.41	9.02062	3.74451	27.489	1.52902	6.88E-01	4.00E+01	3.04E+00	8.74E-02	4.38E+01	6.68E-01	1.69E-04	3.04E-01	1.71E-02	9.89E-01	7.49E-01	4.00E+01	3.04E+00	8.74E-02	4.38E+01
292	488667.32	3857959.41	9.26172	3.57583	24.484	1.41631	7.06E-01	3.82E+01	2.71E+00	8.10E-02	4.17E+01	6.86E-01	1.61E-04	2.71E-01	1.59E-02	9.72E-01	7.69E-01	3.82E+01	2.71E+00	8.10E-02	4.17E+01
293	488717.32	3857959.41	9.3987	3.46593	21.76	1.38972	7.16E-01	3.70E+01	2.41E+00	7.95E-02	4.02E+01	6.96E-01	1.56E-04	2.41E-01	1.56E-02	9.52E-01	7.80E-01	3.70E+01	2.41E+00	7.95E-02	4.03E+01
294	488767.32	3857959.41	9.46859	3.41561	19.407	1.33276	7.22E-01	3.65E+01	2.15E+00	7.62E-02	3.94E+01	7.01E-01	1.54E-04	2.15E-01	1.49E-02	9.31E-01	7.86E-01	3.65E+01	2.15E+00	7.62E-02	3.95E+01
295	488417.32	3858009.41	7.88253	4.74961	39.93	1.73192	6.01E-01	5.07E+01	4.41E+00	9.90E-02	5.58E+01	5.84E-01	2.14E-04	4.41E-01	1.94E-02	1.04E+00	6.54E-01	5.07E+01	4.41E+00	9.90E-02	5.59E+01
296	488467.32	3858009.41	7.1512	4.60865	34.763	1.71596	5.45E-01	4.92E+01	3.84E+00	9.81E-02	5.37E+01	5.29E-01	2.08E-04	3.84E-01	1.92E-02	9.33E-01	5.94E-01	4.92E+01	3.84E+00	9.81E-02	5.37E+01
297	488517.32	3858009.41	7.03263	4.38229	29.901	1.63463	5.36E-01	4.68E+01	3.31E+00	9.35E-02	5.07E+01	5.21E-01	1.98E-04	3.31E-01	1.83E-02	8.70E-01	5.84E-01	4.68E+01	3.31E+00	9.35E-02	5.07E+01
298	488567.32	3858009.41	7.55944	4.12031	25.707	1.49755	5.76E-01	4.40E+01	2.84E+00	8.56E-02	4.75E+01	5.60E-01	1.86E-04	2.84E-01	1.68E-02	8.61E-01	6.28E-01	4.40E+01	2.84E+00	8.56E-02	4.75E+01
299	488617.32	3858009.41	8.03682	3.86769	22.313	1.45605	6.13E-01	4.13E+01	2.47E+00	8.33E-02	4.44E+01	5.95E-01	1.74E-04	2.47E-01	1.63E-02	8.58E-01	6.67E-01	4.13E+01	2.47E+00	8.33E-02	4.45E+01
300	488667.32	3858009.41	8.42923	3.68192	19.491	1.40328	6.42E-01	3.93E+01	2.15E+00	8.02E-02	4.22E+01	6.24E-01	1.66E-04	2.15E-01	1.57E-02	8.55E-01	7.00E-01	3.93E+01	2.15E+00	8.02E-02	4.22E+01
301	488717.32	3858009.41	8.72769	3.59749	18.43	1.31633	6.65E-01	3.84E+01	2.04E+00	7.53E-02	4.12E+01	6.46E-01	1.62E-04	2.04E-01	1.47E-02	8.65E-01	7.25E-01	3.84E+01	2.04E+00	7.53E-02	4.12E+01

302	488767.32	3858009.41	8.94041	3.54605	17.374	1.33543	6.81E-01	3.78E+01	1.92E+00	7.64E-02	4.05E+01	6.62E-01	1.60E-04	1.92E-01	1.49E-02	8.69E-01	7.42E-01	3.78E+01	1.92E+00	7.64E-02	4.06E+01
303	488417.32	3858059.41	8.46328	4.94654	47.883	1.73956	6.45E-01	5.28E+01	5.29E+00	9.95E-02	5.88E+01	6.27E-01	2.23E-04	5.29E-01	1.95E-02	1.18E+00	7.03E-01	5.28E+01	5.29E+00	9.95E-02	5.89E+01
304	488467.32	3858059.41	7.83462	4.80931	40.392	1.61559	5.97E-01	5.13E+01	4.47E+00	9.24E-02	5.65E+01	5.80E-01	2.17E-04	4.47E-01	1.81E-02	1.04E+00	6.50E-01	5.13E+01	4.47E+00	9.24E-02	5.65E+01
305	488517.32	3858059.41	7.16488	4.56824	33.979	1.52213	5.46E-01	4.88E+01	3.76E+00	8.70E-02	5.31E+01	5.30E-01	2.06E-04	3.76E-01	1.70E-02	9.23E-01	5.95E-01	4.88E+01	3.76E+00	8.70E-02	5.32E+01
306	488567.32	3858059.41	6.47608	4.27425	28.702	1.46811	4.94E-01	4.56E+01	3.17E+00	8.40E-02	4.94E+01	4.79E-01	1.93E-04	3.17E-01	1.64E-02	8.13E-01	5.38E-01	4.56E+01	3.17E+00	8.40E-02	4.94E+01
307	488617.32	3858059.41	6.87052	4.00769	24.441	1.3793	5.24E-01	4.28E+01	2.70E+00	7.89E-02	4.61E+01	5.09E-01	1.81E-04	2.70E-01	1.54E-02	7.94E-01	5.70E-01	4.28E+01	2.70E+00	7.89E-02	4.61E+01
308	488667.32	3858059.41	7.37973	3.80169	21.053	1.40146	5.62E-01	4.06E+01	2.33E+00	8.01E-02	4.35E+01	5.46E-01	1.71E-04	2.33E-01	1.57E-02	7.95E-01	6.13E-01	4.06E+01	2.33E+00	8.01E-02	4.36E+01
309	488417.32	3858109.41	8.83461	5.0914	47.028	1.60245	6.73E-01	5.43E+01	5.20E+00	9.16E-02	6.03E+01	6.54E-01	2.30E-04	5.20E-01	1.79E-02	1.19E+00	7.33E-01	5.43E+01	5.20E+00	9.16E-02	6.04E+01
310	488467.32	3858109.41	8.34688	4.97504	38.036	1.54895	6.36E-01	5.31E+01	4.21E+00	8.86E-02	5.80E+01	6.18E-01	2.24E-04	4.21E-01	1.73E-02	1.06E+00	6.93E-01	5.31E+01	4.21E+00	8.86E-02	5.81E+01
311	488517.32	3858109.41	7.77653	4.7451	30.782	1.45489	5.93E-01	5.06E+01	3.40E+00	8.32E-02	5.47E+01	5.76E-01	2.14E-04	3.40E-01	1.63E-02	9.33E-01	6.46E-01	5.06E+01	3.40E+00	8.32E-02	5.48E+01
312	488567.32	3858109.41	7.1642	4.42602	27.955	1.47052	5.46E-01	4.72E+01	3.09E+00	8.41E-02	5.10E+01	5.30E-01	2.00E-04	3.09E-01	1.65E-02	8.56E-01	5.95E-01	4.72E+01	3.09E+00	8.41E-02	5.10E+01
313	488617.32	3858109.41	6.51944	4.1366	24.85	1.4646	4.97E-01	4.41E+01	2.75E+00	8.38E-02	4.75E+01	4.83E-01	1.86E-04	2.75E-01	1.64E-02	7.74E-01	5.41E-01	4.41E+01	2.75E+00	8.38E-02	4.75E+01
314	488667.32	3858109.41	6.22681	3.90963	22.014	1.43463	4.75E-01	4.17E+01	2.43E+00	8.20E-02	4.47E+01	4.61E-01	1.76E-04	2.43E-01	1.61E-02	7.21E-01	5.17E-01	4.17E+01	2.43E+00	8.20E-02	4.48E+01
315	488769.93	3858449.27	7.2976	5.27199	10.636	1.25698	5.56E-01	5.63E+01	1.18E+00	7.19E-02	5.81E+01	5.40E-01	2.38E-04	1.18E-01	1.41E-02	6.72E-01	6.06E-01	5.63E+01	1.18E+00	7.19E-02	5.81E+01
316	488819.93	3858449.27	7.19015	5.16716	11.214	1.39995	5.48E-01	5.51E+01	1.24E+00	8.01E-02	5.70E+01	5.32E-01	2.33E-04	1.24E-01	1.57E-02	6.72E-01	5.97E-01	5.51E+01	1.24E+00	8.01E-02	5.71E+01
317	488819.93	3858499.27	7.08506	5.41576	10.017	1.45006	5.40E-01	5.78E+01	1.11E+00	8.29E-02	5.95E+01	5.25E-01	2.44E-04	1.11E-01	1.62E-02	6.52E-01	5.88E-01	5.78E+01	1.11E+00	8.29E-02	5.96E+01
318	488869.93	3858499.27	7.01631	5.38235	9.7203	1.43363	5.35E-01	5.74E+01	1.07E+00	8.20E-02	5.91E+01	5.19E-01	2.43E-04	1.07E-01	1.60E-02	6.43E-01	5.83E-01	5.74E+01	1.07E+00	8.20E-02	5.92E+01
319	488869.93	3858549.27	6.87635	5.82422	9.5988	1.40691	5.24E-01	6.22E+01	1.06E+00	8.05E-02	6.38E+01	5.09E-01	2.63E-04	1.06E-01	1.57E-02	6.31E-01	5.71E-01	6.22E+01	1.06E+00	8.05E-02	6.39E+01
320	489438.17	3859571.48	6.06394	7.99452	4.3506	1.00685	4.62E-01	8.53E+01	4.81E-01	5.76E-02	8.63E+01	4.49E-01	3.60E-04	4.81E-02	1.13E-02	5.09E-01	5.03E-01	8.53E+01	4.81E-01	5.76E-02	8.64E+01
321	489488.17	3859571.48	5.87903	7.77519	4.1521	1.00816	4.48E-01	8.30E+01	4.59E-01	5.77E-02	8.39E+01	4.35E-01	3.50E-04	4.59E-02	1.13E-02	4.93E-01	4.88E-01	8.30E+01	4.59E-01	5.77E-02	8.40E+01
322	489538.17	3859571.48	5.61714	7.56102	3.8144	1.0086	4.28E-01	8.07E+01	4.22E-01	5.77E-02	8.16E+01	4.16E-01	3.41E-04	4.22E-02	1.13E-02	4.70E-01	4.66E-01	8.07E+01	4.22E-01	5.77E-02	8.16E+01
323	489588.17	3859571.48	5.28424	7.38507	3.7494	1.00855	4.03E-01	7.88E+01	4.15E-01	5.77E-02	7.97E+01	3.91E-01	3.33E-04	4.15E-02	1.13E-02	4.44E-01	4.39E-01	7.88E+01	4.15E-01	5.77E-02	7.97E+01
324	489438.17	3859621.48	6.0392	7.51836	4.4239	1.04971	4.60E-01	8.02E+01	4.89E-01	6.00E-02	8.12E+01	4.47E-01	3.39E-04	4.89E-02	1.18E-02	5.08E-01	5.01E-01	8.02E+01	4.89E-01	6.00E-02	8.13E+01
325	489488.17	3859621.48	5.94262	7.32321	4.3609	1.04791	4.53E-01	7.82E+01	4.82E-01	5.99E-02	7.91E+01	4.40E-01	3.30E-04	4.82E-02	1.17E-02	5.00E-01	4.93E-01	7.82E+01	4.82E-01	5.99E-02	7.92E+01
326	489538.17	3859621.48	5.76727	7.12595	4.1455	1.04521	4.40E-01	7.60E+01	4.58E-01	5.98E-02	7.70E+01	4.27E-01	3.21E-04	4.58E-02	1.17E-02	4.85E-01	4.79E-01	7.60E+01	4.58E-01	5.98E-02	7.70E+01
327	489588.17	3859621.48	5.52534	6.93559	3.8247	1.04161	4.21E-01	7.40E+01	4.23E-01	5.96E-02	7.49E+01	4.09E-01	3.13E-04	4.23E-02	1.17E-02	4.63E-01	4.59E-01	7.40E+01	4.23E-01	5.96E-02	7.50E+01
328	489238.17	3859671.48	5.16622	7.88446	5.2936	1.41512	3.94E-01	8.41E+01	5.85E-01	8.09E-02	8.52E+01	3.82E-01	3.55E-04	5.85E-02	1.58E-02	4.57E-01	4.29E-01	8.41E+01	5.85E-01	8.09E-02	8.52E+01
329	489288.17	3859671.48	5.45664	7.71496	5.2589	1.32091	4.16E-01	8.23E+01	5.81E-01	7.55E-02	8.34E+01	4.04E-01	3.48E-04	5.81E-02	1.48E-02	4.77E-01	4.53E-01	8.23E+01	5.81E-01	7.55E-02	8.34E+01
330	489338.17	3859671.48	5.68918	7.50626	4.9807	1.23277	4.34E-01	8.01E+01	5.51E-01	7.05E-02	8.12E+01	4.21E-01	3.38E-04	5.51E-02	1.38E-02	4.90E-01	4.72E-01	8.01E+01	5.51E-01	7.05E-02	8.12E+01
331	489388.17	3859671.48	5.85657	7.26514	4.5258	1.15064	4.46E-01	7.75E+01	5.00E-01	6.58E-02	7.85E+01	4.34E-01	3.28E-04	5.00E-02	1.29E-02	4.97E-01	4.86E-01	7.75E+01	5.00E-01	6.58E-02	7.86E+01
332	489438.17	3859671.48	5.92903	7.08332	4.3839	1.08119	4.52E-01	7.56E+01	4.85E-01	6.18E-02	7.66E+01	4.39E-01	3.19E-04	4.85E-02	1.21E-02	5.00E-01	4.92E-01	7.56E+01	4.85E-01	6.18E-02	7.66E+01
333	489488.17	3859671.48	5.93269	6.87899	4.5065	1.07534	4.52E-01	7.34E+01	4.98E-01	6.15E-02	7.44E+01	4.39E-01	3.10E-04	4.98E-02	1.20E-02	5.01E-01	4.93E-01	7.34E+01	4.98E-01	6.15E-02	7.45E+01
334	489538.17	3859671.48	5.84734	6.72411	4.4348	1.06928	4.46E-01	7.18E+01	4.90E-01	6.11E-02	7.28E+01	4.33E-01	3.03E-04	4.90E-02	1.20E-02	4.94E-01	4.85E-01	7.18E+01	4.90E-01	6.11E-02	7.28E+01
335	489588.17	3859671.48	5.68593	6.63774	4.2192	1.06281	4.33E-01	7.08E+01	4.66E-01	6.08E-02	7.18E+01	4.21E-01	2.99E-04	4.66E-02	1.19E-02	4.80E-01	4.72E-01	7.08E+01	4.66E-01	6.08E-02	7.18E+01
336	489238.17	3859721.48	4.74152	7.45583	5.2476	1.41629	3.61E-01	7.96E+01	5.80E-01	8.10E-02	8.06E+01	3.51E-01	3.36E-04	5.80E-02	1.59E-02	4.25E-01	3.94E-01	7.96E+01	5.80E-01	8.10E-02	8.06E+01
337	489288.17	3859721.48	5.08524	7.20368	5.4676	1.30484	3.88E-01	7.69E+01	6.05E-01	7.46E-02	7.79E+01	3.76E-01	3.25E-04	6.05E-02	1.46E-02	4.52E-01	4.22E-01	7.69E+01	6.05E-01	7.46E-02	7.80E+01
338	489338.17	3859721.48	5.37085	7.07006	5.3721	1.20714	4.09E-01	7.54E+01	5.94E-01	6.90E-02	7.65E+01	3.98E-01	3.19E-04	5.94E-02	1.35E-02	4.71E-01	4.46E-01	7.55E+01	5.94E-01	6.90E-02	7.66E+01
339	489388.17	3859721.48	5.59439	6.97952	5.0247	1.14242	4.26E-01	7.45E+01	5.56E-01	6.53E-02	7.55E+01	4.14E-01	3.15E-04	5.56E-02	1.28E-02	4.83E-01	4.64E-01	7.45E+01	5.56E-01	6.53E-02	7.56E+01
340	489438.17	3859721.48	5.74385	6.88076	4.4783	1.11017	4.38E-01	7.34E+01	4.95E-01	6.35E-02	7.44E+01	4.25E-01	3.10E-04	4.95E-02	1.24E-02	4.87E-01	4.77E-01	7.34E+01	4.95E-01	6.35E-02	7.45E+01
341	489488.17	3859721.48	5.83334	6.72039	4.5183	1.07874	4.45E-01	7.17E+01	5.00E-01	6.17E-02	7.27E+01	4.32E-01	3.03E-04	5.00E-02	1.21E-02	4.94E-01	4.84E-01	7.17E+01	5.00E-01	6.17E-02	7.28E+01
342	489538.17	3859721.48	5.83571	6.57244	4.5999	1.06845	4.45E-01	7.01E+01	5.09E-01	6.11E-02	7.12E+01	4.32E-01	2.96E-04	5.09E-02	1.20E-02	4.95E-01	4.84E-01	7.01E+01	5.09E-01	6.11E-02	7.12E+01
343	489588.17	3859721.48	5.75799	6.42503	4.513	1.06115	4.39E-01	6.86E+01	4.99E-01	6.07E-02	6.96E+01	4.26E-01	2.90E-04	4.99E-02	1.19E-02	4.88E-01	4.78E-01	6.86E+01	4.99E-01	6.07E-02	6.96E+01
344	489238.17	3859771.48	4.30663	7.29297	5.092	1.46979	3.28E-01	7.78E+01	5.63E-01	8.40E-02	7.88E+01	3.19E-01	3.29E-04	5.63E-02	1.65E-02	3.92E-01	3.58E-01	7.78E+01	5.63E-01	8.40E-02	7.88E+01
345	489288.17	3859771.48	4.67522	7.17782	5.4973	1.35443	3.56E-01	7.66E+01	6.08E-01	7.75E-02	7.76E+01	3.46E-01	3.24E-04	6.08E-02	1.52E-02	4.22E-01	3.88E-01	7.66E+01	6.08E-01	7.75E-02	7.77E+01
346	489338.17	3859771.48	4.99714	7.02984	5.566	1.26001	3.81E-01	7.50E+01	6.15E-01	7.21E-02	7.61E+01	3.70E-01	3.17E-04	6.15E-02	1.41E-02	4.46E-01	4.15E-01	7.50E+01	6.15E-01	7.21E-02	7.61E+01
347	489388.17	3859771.48	5.27541	6.95673	5.3949	1.22034	4.02E-01	7.42E+01	5.96E-01	6.98E-02	7.53E+01	3.91E-01	3.14E-04	5.96E-02	1.37E-02	4.64E-01	4.38E-01	7.42E+01	5.96E-01	6.98E-02	7.53E+01
348	489438.17	3859771.48	5.48803	6.94727	4.9634	1.18273	4.18E-01	7.41E+01	5.49E-01	6.76E-02	7.52E+01	4.06E-01	3.13E-04	5.49E-02	1.32E-02	4.75E-01	4.56E-01	7.41E+01	5.49E-01	6.76E-02	7.52E+01
349	489488.17	3859771.48	5.65601	6.85682	4.4627	1.1465	4.31E-01	7.32E+01	4.93E-01	6.56E-02	7.42E+01	4.19E-01	3.09E-04	4.93E-02	1.28E-02	4.81E-01	4.70E-01	7.32E+01	4.93E-01	6.56E-02	7.42E+01
350	489538.17	3859771.48	5.74467	6.76441	4.6601	1.11189	4.38E-01	7.22E+01	5.15E-01	6.36E-02	7.32E+01	4.25E-01	3.05E-04	5.15E-02	1.24E-02	4.90E-01	4.77E-01	7.22E+01	5.15E-01	6.36E-02	7.32E+01
351	489588.17	3859771.48	5.74226	6.69612	4.6871	1.07917	4.38E-01	7.15E+01	5.18E-01	6.17E-02	7.25E+01	4.25E-01	3.02E-04	5.18E-02	1.21E-02	4.89E-01	4.77E-01	7.15E+01	5.18E-01	6.17E-02	7.25E+01
352	489238.17	3859821.48	4.05462	7.21197	4.8227	2.27507	3.09E-01	7.70E+01	5.33E-01	1.30E-01	7.79E+01	3.00E-01	3.25E-04	5.33E-02	2.55E-02	3.79E-01	3.37E-01	7.70E+01	5.33E-01	1.30E-01	7.80E+01
353	489288.17	3859821.48	4.25053	7.18997	5.3786	2.15055	3.24E-01	7.67E+01	5.95E-01	1.23E-01	7.78E+01	3.15E-01	3.24E-04	5.95E-02	2.41E-02	3.99E-01	3.53E-01	7.67E+01	5.95E-01	1.23E-01	7.78E+01
354	489338.17	3859821.48	4.59963	7.22485	5.6318	2.03449	3.51E-01	7.71E+01	6.23E-01	1.16E-01	7.82E+01	3.41E-01	3.26E-04	6.23E-02	2.28E-02	4.26E-01	3.82E-01	7.71E+01	6.23E-01	1.16E-01	7.82E+01
355	489388.17	3859821.48	4.91645	7.21478	5.6267	1.93002	3.75E-01	7.70E+01	6.22E-01	1.10E-01	7.81E+01	3.64E-01	3.25E-04	6.22E-02	2.16E-02	4.48E-01	4.08E-01	7.70E+01	6.22E-01	1.10E-01	7.81E+01
356	489438.17	3859821.48	5.1963	7.14031	5.4246	1.83844	3.96E-01	7.62E+01	6.00E-01	1.05E-01	7.73E+01	3.85E-01	3.22E-04	6.00E-02	2.06E-02	4.66E-01	4.31E-01	7.62E+01	6.00E-01	1.05E-01	7.73E+01
357	489488.17	3859821.48	5.41871	7.04183	5.0129	1.75502	4.13E-01	7.51E+01	5.54E-01	1.00E-01	7.62E+01	4.01E-01	3.17E-04	5.54E-02	1.96E-02	4.77E-01	4.50E-01	7.51E+01	5.54E-01	1.00E-01	7.63E+01
358	489538.17	3859821.48	5.57659	6.91922	4.6055	1.67943	4.25E-01	7.38E+01	5.09E-01	9.60E-02	7.49E+01	4.13E-01	3.12E-04	5.09E-02	1.88E-02	4.83E-01	4.63E-01	7.38E+01	5.09E-01	9.60E-02	7.49E+01
359	489588.17	3859821.48	5.65216	6.82444	4.7701	1.60601	4.31E-01	7.28E+01	5.27E-01	9.18E-02	7.39E+01	4.18E-01	3.08E-04	5.27E-02	1.80E-02	4.89E-01	4.69E-01	7.28E+01	5.27E-01	9.18E-02	7.39E+01
360	489238.17	3859871.48	3.8931	7.44208	4.4882	2.86888	2.97E-01	7.94E+01	4.96E-01	1.64E-01	8.04E+01	2.88E-01	3.35E-04	4.96E-02	3.21E-02	3.70E-01	3.23E-01	7.94E+01	4.96E-01	1.64E-01	8.04E+01
361	489288.17	3859871.48	3.99726	7.40961	5.123	2.73858	3.05E-01	7.91E+01	5.66E-01	1.57E-01	8.01E+01	2.96E-01	3.34E-04	5.66E-02	3.07E-02	3.84E-01	3.32E-01	7.91E+01	5.66E-01	1.57E-01	8.01E+01
362	489338.17	3859871.48	4.18807	7.3082	5.5491	2.61555	3.19E-01	7.80E+01	6.14E-01	1.50E-01	7.91E+01	3.10E-01	3.29E-04	6.14E-02	2.93E-02	4.01E-01	3.48E-01	7.80E+01	6.14E-01	1.50E-01	7.91E+01

363	489388.17	3859871.48	4.53772	7.21904	5.7669	2.50282	3.46E-01	7.70E+01	6.38E-01	1.43E-01	7.82E+01	3.36E-01	3.25E-04	6.38E-02	2.80E-02	4.28E-01	3.77E-01	7.70E+01	6.38E-01	1.43E-01	7.82E+01
364	489438.17	3859871.48	4.86367	7.06884	5.7949	2.40303	3.71E-01	7.54E+01	6.41E-01	1.37E-01	7.66E+01	3.60E-01	3.19E-04	6.41E-02	2.69E-02	4.51E-01	4.04E-01	7.54E+01	6.41E-01	1.37E-01	7.66E+01
365	489488.17	3859871.48	5.14973	6.87209	5.6201	2.31409	3.93E-01	7.33E+01	6.21E-01	1.32E-01	7.45E+01	3.81E-01	3.10E-04	6.21E-02	2.59E-02	4.70E-01	4.28E-01	7.33E+01	6.21E-01	1.32E-01	7.45E+01
366	489538.17	3859871.48	5.35093	6.82086	5.0686	2.21307	4.08E-01	7.28E+01	5.60E-01	1.27E-01	7.39E+01	3.96E-01	3.07E-04	5.60E-02	2.48E-02	4.77E-01	4.44E-01	7.28E+01	5.60E-01	1.27E-01	7.39E+01
367	489588.17	3859871.48	5.49775	6.71461	4.7835	2.12377	4.19E-01	7.17E+01	5.29E-01	1.21E-01	7.27E+01	4.07E-01	3.03E-04	5.29E-02	2.38E-02	4.84E-01	4.56E-01	7.17E+01	5.29E-01	1.21E-01	7.28E+01
368	489238.17	3859921.48	4.05294	7.46954	4.2295	2.7197	3.09E-01	7.97E+01	4.68E-01	1.56E-01	8.06E+01	3.00E-01	3.37E-04	4.68E-02	3.04E-02	3.78E-01	3.36E-01	7.97E+01	4.68E-01	1.56E-01	8.07E+01
369	489288.17	3859921.48	3.85753	7.21964	4.8663	2.68404	2.94E-01	7.70E+01	5.38E-01	1.53E-01	7.80E+01	2.86E-01	3.25E-04	5.38E-02	3.00E-02	3.70E-01	3.20E-01	7.70E+01	5.38E-01	1.53E-01	7.81E+01
370	489338.17	3859921.48	3.95491	7.10849	5.4376	2.63586	3.01E-01	7.59E+01	6.01E-01	1.51E-01	7.69E+01	2.93E-01	3.20E-04	6.01E-02	2.95E-02	3.83E-01	3.28E-01	7.59E+01	6.01E-01	1.51E-01	7.69E+01
371	489388.17	3859921.48	4.155	6.95591	5.8622	2.58739	3.17E-01	7.42E+01	6.48E-01	1.48E-01	7.53E+01	3.08E-01	3.14E-04	6.48E-02	2.90E-02	4.02E-01	3.45E-01	7.42E+01	6.48E-01	1.48E-01	7.54E+01
372	489438.17	3859921.48	4.51179	6.7371	6.132	2.54374	3.44E-01	7.19E+01	6.78E-01	1.45E-01	7.31E+01	3.34E-01	3.04E-04	6.78E-02	2.85E-02	4.31E-01	3.75E-01	7.19E+01	6.78E-01	1.45E-01	7.31E+01
373	489488.17	3859921.48	4.81913	6.62264	6.0288	2.48558	3.67E-01	7.07E+01	6.67E-01	1.42E-01	7.19E+01	3.57E-01	2.99E-04	6.67E-02	2.78E-02	4.52E-01	4.00E-01	7.07E+01	6.67E-01	1.42E-01	7.19E+01
374	489538.17	3859921.48	5.07582	6.55675	5.6417	2.41954	3.87E-01	7.00E+01	6.24E-01	1.38E-01	7.11E+01	3.76E-01	2.96E-04	6.24E-02	2.71E-02	4.66E-01	4.21E-01	7.00E+01	6.24E-01	1.38E-01	7.12E+01
375	489588.17	3859921.48	5.28912	6.40699	5.1628	2.36225	4.03E-01	6.84E+01	5.71E-01	1.35E-01	6.95E+01	3.92E-01	2.89E-04	5.71E-02	2.64E-02	4.75E-01	4.39E-01	6.84E+01	5.71E-01	1.35E-01	6.95E+01
376	489238.17	3859971.48	4.18681	8.0202	4.1817	2.96046	3.19E-01	8.56E+01	4.62E-01	1.69E-01	8.65E+01	3.10E-01	3.62E-04	4.62E-02	3.31E-02	3.90E-01	3.48E-01	8.56E+01	4.62E-01	1.69E-01	8.66E+01
377	489288.17	3859971.48	3.97523	7.67868	4.4969	2.80281	3.03E-01	8.19E+01	4.97E-01	1.60E-01	8.29E+01	2.94E-01	3.46E-04	4.97E-02	3.14E-02	3.76E-01	3.30E-01	8.19E+01	4.97E-01	1.60E-01	8.29E+01
378	489338.17	3859971.48	3.82005	7.31271	5.2129	2.63463	2.91E-01	7.80E+01	5.76E-01	1.51E-01	7.91E+01	2.83E-01	3.30E-04	5.76E-02	2.95E-02	3.70E-01	3.17E-01	7.80E+01	5.76E-01	1.51E-01	7.91E+01
379	489388.17	3859971.48	3.92855	6.86835	5.8467	2.46943	2.99E-01	7.33E+01	6.46E-01	1.41E-01	7.44E+01	2.91E-01	3.10E-04	6.46E-02	2.76E-02	3.83E-01	3.26E-01	7.33E+01	6.46E-01	1.41E-01	7.44E+01
380	489438.17	3859971.48	4.13935	6.35827	6.3645	2.31454	3.16E-01	6.79E+01	7.04E-01	1.32E-01	6.90E+01	3.06E-01	2.87E-04	7.04E-02	2.59E-02	4.03E-01	3.44E-01	6.79E+01	7.04E-01	1.32E-01	6.90E+01
381	489488.17	3859971.48	4.49911	5.96763	6.5567	2.24831	3.43E-01	6.37E+01	7.25E-01	1.29E-01	6.49E+01	3.33E-01	2.69E-04	7.25E-02	2.52E-02	4.31E-01	3.74E-01	6.37E+01	7.25E-01	1.29E-01	6.49E+01
382	489538.17	3859971.48	4.81038	5.72838	6.2055	2.27172	3.67E-01	6.11E+01	6.86E-01	1.30E-01	6.23E+01	3.56E-01	2.58E-04	6.86E-02	2.54E-02	4.50E-01	3.99E-01	6.11E+01	6.86E-01	1.30E-01	6.23E+01
383	489588.17	3859971.48	5.07361	5.56301	5.6714	2.2797	3.87E-01	5.94E+01	6.27E-01	1.30E-01	6.05E+01	3.76E-01	2.51E-04	6.27E-02	2.55E-02	4.64E-01	4.21E-01	5.94E+01	6.27E-01	1.30E-01	6.05E+01
384	483577.7	3854071	11.568	1.34944	3.0672	1.00874	8.82E-01	1.44E+01	3.39E-01	5.77E-02	1.57E+01	8.56E-01	6.08E-05	3.39E-02	1.13E-02	9.02E-01	9.60E-01	1.44E+01	3.39E-01	5.77E-02	1.58E+01
385	483627.7	3854071	13.1697	1.31179	3.0255	0.90285	1.00E+00	1.40E+01	3.34E-01	5.16E-02	1.54E+01	9.75E-01	5.91E-05	3.34E-02	1.01E-02	1.02E+00	1.09E+00	1.40E+01	3.34E-01	5.16E-02	1.55E+01
386	483677.7	3854071	14.4192	1.28054	2.9765	0.87896	1.10E+00	1.37E+01	3.29E-01	5.03E-02	1.51E+01	1.07E+00	5.77E-05	3.29E-02	9.84E-03	1.11E+00	1.20E+00	1.37E+01	3.29E-01	5.03E-02	1.52E+01
387	483727.7	3854071	15.195	1.24536	2.9207	0.86707	1.16E+00	1.33E+01	3.23E-01	4.96E-02	1.48E+01	1.12E+00	5.61E-05	3.23E-02	9.71E-03	1.17E+00	1.26E+00	1.33E+01	3.23E-01	4.96E-02	1.49E+01
388	483777.7	3854071	15.4037	1.19002	2.8577	0.94538	1.17E+00	1.27E+01	3.16E-01	5.41E-02	1.42E+01	1.14E+00	5.36E-05	3.16E-02	1.06E-02	1.18E+00	1.28E+00	1.27E+01	3.16E-01	5.41E-02	1.43E+01
389	483577.7	3854121	10.1218	1.36063	3.1361	0.96829	7.71E-01	1.45E+01	3.47E-01	5.54E-02	1.57E+01	7.49E-01	6.13E-05	3.47E-02	1.08E-02	7.95E-01	8.40E-01	1.45E+01	3.47E-01	5.54E-02	1.58E+01
390	483627.7	3854121	12.0039	1.31275	3.102	0.91775	9.15E-01	1.40E+01	3.43E-01	5.25E-02	1.53E+01	8.89E-01	5.92E-05	3.43E-02	1.03E-02	9.33E-01	9.97E-01	1.40E+01	3.43E-01	5.25E-02	1.54E+01
391	483677.7	3854121	13.6517	1.2618	3.0602	0.8936	1.04E+00	1.35E+01	3.38E-01	5.11E-02	1.49E+01	1.01E+00	5.69E-05	3.38E-02	1.00E-02	1.05E+00	1.13E+00	1.35E+01	3.38E-01	5.11E-02	1.50E+01
392	483727.7	3854121	14.8969	1.2101	3.0109	0.91467	1.14E+00	1.29E+01	3.33E-01	5.23E-02	1.44E+01	1.10E+00	5.45E-05	3.33E-02	1.02E-02	1.15E+00	1.24E+00	1.29E+01	3.33E-01	5.23E-02	1.45E+01
393	483777.7	3854121	16.3044	1.17066	2.955	0.99095	1.24E+00	1.25E+01	3.27E-01	5.67E-02	1.41E+01	1.21E+00	5.28E-05	3.27E-02	1.11E-02	1.25E+00	1.35E+00	1.25E+01	3.27E-01	5.67E-02	1.42E+01
394	483577.7	3854171	9.71384	1.3299	3.1955	0.95433	7.40E-01	1.42E+01	3.53E-01	5.46E-02	1.53E+01	7.19E-01	5.99E-05	3.53E-02	1.07E-02	7.65E-01	8.06E-01	1.42E+01	3.53E-01	5.46E-02	1.54E+01
395	483627.7	3854171	10.4717	1.27048	3.1695	0.93244	7.98E-01	1.36E+01	3.50E-01	5.33E-02	1.48E+01	7.75E-01	5.73E-05	3.50E-02	1.04E-02	8.21E-01	8.69E-01	1.36E+01	3.50E-01	5.33E-02	1.48E+01
396	483677.7	3854171	12.4123	1.22922	3.1361	0.90844	9.46E-01	1.31E+01	3.47E-01	5.19E-02	1.45E+01	9.19E-01	5.54E-05	3.47E-02	1.02E-02	9.64E-01	1.03E+00	1.31E+01	3.47E-01	5.19E-02	1.45E+01
397	483727.7	3854171	14.5167	1.19313	3.0952	0.9414	1.11E+00	1.27E+01	3.42E-01	5.38E-02	1.42E+01	1.07E+00	5.38E-05	3.42E-02	1.05E-02	1.12E+00	1.21E+00	1.27E+01	3.42E-01	5.38E-02	1.43E+01
398	483777.7	3854171	16.024	1.15015	3.0465	1.02971	1.22E+00	1.23E+01	3.37E-01	5.89E-02	1.39E+01	1.19E+00	5.18E-05	3.37E-02	1.15E-02	1.23E+00	1.33E+00	1.23E+01	3.37E-01	5.89E-02	1.40E+01
399	483827.7	3854171	16.8734	1.08668	2.9901	1.12296	1.29E+00	1.16E+01	3.31E-01	6.42E-02	1.33E+01	1.25E+00	4.90E-05	3.31E-02	1.26E-02	1.29E+00	1.40E+00	1.16E+01	3.31E-01	6.42E-02	1.34E+01
400	483877.7	3854171	16.9902	1.04489	2.9272	1.21546	1.30E+00	1.12E+01	3.24E-01	6.95E-02	1.28E+01	1.26E+00	4.71E-05	3.24E-02	1.36E-02	1.30E+00	1.41E+00	1.12E+01	3.24E-01	6.95E-02	1.30E+01
401	483727.7	3854221	13.0721	1.17977	3.1718	0.96193	9.96E-01	1.26E+01	3.51E-01	5.50E-02	1.40E+01	9.68E-01	5.32E-05	3.51E-02	1.08E-02	1.01E+00	1.09E+00	1.26E+01	3.51E-01	5.50E-02	1.41E+01
402	483777.7	3854221	15.0222	1.13534	3.1312	1.05663	1.15E+00	1.21E+01	3.46E-01	6.04E-02	1.37E+01	1.11E+00	5.12E-05	3.46E-02	1.18E-02	1.16E+00	1.25E+00	1.21E+01	3.46E-01	6.04E-02	1.38E+01
403	483827.7	3854221	16.5564	1.11585	3.0835	1.12429	1.26E+00	1.19E+01	3.41E-01	6.43E-02	1.36E+01	1.23E+00	5.03E-05	3.41E-02	1.26E-02	1.27E+00	1.37E+00	1.19E+01	3.41E-01	6.43E-02	1.37E+01
404	483877.7	3854221	17.3236	1.06153	3.0275	1.22181	1.32E+00	1.13E+01	3.35E-01	6.99E-02	1.31E+01	1.28E+00	4.79E-05	3.35E-02	1.37E-02	1.33E+00	1.44E+00	1.13E+01	3.35E-01	6.99E-02	1.32E+01
405	489150.19	3858726.45	6.21068	7.25154	8.2386	1.20117	4.73E-01	7.74E+01	9.11E-01	6.87E-02	7.88E+01	4.60E-01	3.27E-04	9.11E-02	1.34E-02	5.65E-01	5.16E-01	7.74E+01	9.11E-01	6.87E-02	7.89E+01
406	489200.19	3858726.45	6.11754	7.17249	8.0628	1.00044	4.66E-01	7.65E+01	8.91E-01	5.72E-02	7.80E+01	4.53E-01	3.23E-04	8.91E-02	1.12E-02	5.54E-01	5.08E-01	7.65E+01	8.91E-01	5.72E-02	7.80E+01
407	489150.19	3858776.45	6.05237	8.07181	7.4908	1.12215	4.61E-01	8.61E+01	8.28E-01	6.42E-02	8.75E+01	4.48E-01	3.64E-04	8.28E-02	1.26E-02	5.44E-01	5.02E-01	8.61E+01	8.28E-01	6.42E-02	8.75E+01
408	489200.19	3858776.45	6.05752	7.89051	7.7693	0.92714	4.62E-01	8.42E+01	8.59E-01	5.30E-02	8.56E+01	4.48E-01	3.56E-04	8.59E-02	1.04E-02	5.45E-01	5.03E-01	8.42E+01	8.59E-01	5.30E-02	8.56E+01
409	488919.6	3856400.76	9.94791	1.66911	7.0939	0.85382	7.58E-01	1.78E+01	7.84E-01	4.88E-02	1.94E+01	7.36E-01	7.52E-05	7.84E-02	9.56E-03	8.25E-01	8.26E-01	1.78E+01	7.84E-01	4.88E-02	1.95E+01
410	488919.6	3856450.76	9.75577	1.72395	7.3239	0.87853	7.44E-01	1.84E+01	8.10E-01	5.02E-02	2.00E+01	7.22E-01	7.77E-05	8.10E-02	9.83E-03	8.13E-01	8.10E-01	1.84E+01	8.10E-01	5.02E-02	2.01E+01
411	488969.6	3856450.76	9.53512	1.70567	7.4257	0.87409	7.27E-01	1.82E+01	8.21E-01	5.00E-02	1.98E+01	7.06E-01	7.69E-05	8.21E-02	9.78E-03	7.98E-01	7.92E-01	1.82E+01	8.21E-01	5.00E-02	1.99E+01
412	488919.6	3856500.76	9.59704	1.7811	7.5164	0.89753	7.31E-01	1.90E+01	8.31E-01	5.13E-02	2.06E+01	7.11E-01	8.03E-05	8.31E-02	1.00E-02	8.04E-01	7.97E-01	1.90E+01	8.31E-01	5.13E-02	2.07E+01
413	488969.6	3856500.76	9.39661	1.77286	7.5295	0.89316	7.16E-01	1.89E+01	8.32E-01	5.11E-02	2.05E+01	6.96E-01	7.99E-05	8.32E-02	1.00E-02	7.89E-01	7.80E-01	1.89E+01	8.32E-01	5.11E-02	2.06E+01
414	488919.6	3856550.76	9.4714	1.85255	7.6633	0.91028	7.22E-01	1.98E+01	8.47E-01	5.21E-02	2.14E+01	7.01E-01	8.35E-05	8.47E-02	1.02E-02	7.96E-01	7.86E-01	1.98E+01	8.47E-01	5.21E-02	2.15E+01
415	488969.6	3856550.76	9.28335	1.83631	7.5785	0.90584	7.08E-01	1.96E+01	8.38E-01	5.18E-02	2.12E+01	6.87E-01	8.28E-05	8.38E-02	1.01E-02	7.81E-01	7.71E-01	1.96E+01	8.38E-01	5.18E-02	2.13E+01
416	488819.6	3856600.76	9.73919	1.93477	7.5822	0.92422	7.42E-01	2.06E+01	8.38E-01	5.29E-02	2.23E+01	7.21E-01	8.72E-05	8.38E-02	1.03E-02	8.15E-01	8.09E-01	2.06E+01	8.38E-01	5.29E-02	2.23E+01
417	488869.6	3856600.76	9.53721	1.92069	7.7636	0.92	7.27E-01	2.05E+01	8.58E-01	5.26E-02	2.21E+01	7.06E-01	8.66E-05	8.58E-02	1.03E-02	8.02E-01	7.92E-01	2.05E+01	8.58E-01	5.26E-02	2.22E+01
418	488919.6	3856600.76	9.34383	1.91524	7.7548	0.9159	7.12E-01	2.04E+01	8.57E-01	5.24E-02	2.21E+01	6.92E-01	8.63E-05	8.57E-02	1.03E-02	7.88E-01	7.76E-01	2.04E+01	8.57E-01	5.24E-02	2.21E+01
419	488819.6	3856650.76	9.57788	2.005	7.8239	0.92202	7.30E-01	2.14E+01	8.65E-01	5.27E-02	2.30E+01	7.09E-01	9.04E-05	8.65E-02	1.03E-02	8.06E-01	7.95E-01	2.14E+01	8.65E-01	5.27E-02	2.31E+01
420	488869.6	3856650.76	9.37549	1.99078	7.9024	0.91813	7.15E-01	2.12E+01	8.74E-01	5.25E-02	2.29E+01	6.94E-01	8.97E-05	8.74E-02	1.03E-02	7.92E-01	7.78E-01	2.12E+01	8.74E-01	5.25E-02	2.29E+01
421	488819.6	3856700.76	9.34999	2.07962	8.0138	0.91226	7.13E-01	2.22E+01	8.86E-01	5.22E-02	2.38E+01	6.92E-01	9.37E-05	8.86E-02	1.02E-02	7.91E-01	7.76E-01	2.22E+01	8.86E-01	5.22E-02	2.39E+01
422	488869.6	3856700.76	9.14156	2.06176	7.977	0.90877	6.97E-01	2.20E+01	8.82E-01	5.20E-02	2.36E+01	6.77E-01	9.29E-05	8.82E-02	1.02E-02	7.75E-01	7.59E-01	2.20E+01	8.82E-01	5.20E-02	2.37E+01
423	488819.6	3856750.76	9.40991	2.14202	8.1392	0.89491	7.17E-01	2.29E+01	9.00E-01	5.12E-02	2.45E+01	6.97E-01	9.66E-05	9.00E-02	1.00E-02	7.97E-01	7.81E-01	2.29E+01	9.00E-01	5.12E-02	2.46E+01

424	488869.6	3856750.76	9.18926	2.13498	7.9782	0.89214	7.00E-01	2.28E+01	8.82E-01	5.10E-02	2.44E+01	6.80E-01	9.62E-05	8.82E-02	9.99E-03	7.79E-01	7.63E-01	2.28E+01	8.82E-01	5.10E-02	2.45E+01
425	488819.6	3857050.76	9.0498	2.38779	6.9911	0.92466	6.90E-01	2.55E+01	7.73E-01	5.29E-02	2.70E+01	6.70E-01	1.08E-04	7.73E-02	1.04E-02	7.58E-01	7.51E-01	2.55E+01	7.73E-01	5.29E-02	2.71E+01
426	488869.6	3857050.76	8.88518	2.38871	7.1152	0.90031	6.77E-01	2.55E+01	7.87E-01	5.15E-02	2.70E+01	6.58E-01	1.08E-04	7.87E-02	1.01E-02	7.47E-01	7.38E-01	2.55E+01	7.87E-01	5.15E-02	2.71E+01
427	488919.6	3857050.76	8.73257	2.38216	8.4993	0.98078	6.66E-01	2.54E+01	9.40E-01	5.61E-02	2.71E+01	6.47E-01	1.07E-04	9.40E-02	1.10E-02	7.52E-01	7.25E-01	2.54E+01	9.40E-01	5.61E-02	2.71E+01
428	488819.6	3857100.76	8.69337	2.40577	7.2535	0.93218	6.63E-01	2.57E+01	8.02E-01	5.33E-02	2.72E+01	6.44E-01	1.08E-04	8.02E-02	1.04E-02	7.34E-01	7.22E-01	2.57E+01	8.02E-01	5.33E-02	2.73E+01
429	488869.6	3857100.76	8.54969	2.39912	8.8806	1.01795	6.52E-01	2.56E+01	9.82E-01	5.82E-02	2.73E+01	6.33E-01	1.08E-04	9.82E-02	1.14E-02	7.43E-01	7.10E-01	2.56E+01	9.82E-01	5.82E-02	2.74E+01
430	488919.6	3857100.76	8.4019	2.40192	9.8239	1.05675	6.40E-01	2.56E+01	1.09E+00	6.04E-02	2.74E+01	6.22E-01	1.08E-04	1.09E-01	1.18E-02	7.43E-01	6.98E-01	2.56E+01	1.09E+00	6.04E-02	2.75E+01
431	488819.6	3857150.76	8.21642	2.41686	9.2635	1.05329	6.26E-01	2.58E+01	1.02E+00	6.02E-02	2.75E+01	6.08E-01	1.09E-04	1.02E-01	1.18E-02	7.23E-01	6.82E-01	2.58E+01	1.02E+00	6.02E-02	2.76E+01
432	488869.6	3857150.76	8.0855	2.41645	10.416	1.09554	6.16E-01	2.58E+01	1.15E+00	6.26E-02	2.76E+01	5.99E-01	1.09E-04	1.15E-01	1.23E-02	7.26E-01	6.71E-01	2.58E+01	1.15E+00	6.26E-02	2.77E+01
433	488919.6	3857150.76	7.96404	2.41041	10.628	1.09155	6.07E-01	2.57E+01	1.18E+00	6.24E-02	2.76E+01	5.90E-01	1.09E-04	1.18E-01	1.22E-02	7.19E-01	6.61E-01	2.57E+01	1.18E+00	6.24E-02	2.76E+01
434	488969.6	3857150.76	7.84493	2.41487	9.9769	1.0455	5.98E-01	2.58E+01	1.10E+00	5.98E-02	2.75E+01	5.81E-01	1.09E-04	1.10E-01	1.17E-02	7.03E-01	6.51E-01	2.58E+01	1.10E+00	5.98E-02	2.76E+01
435	488819.6	3857200.76	7.97459	2.4194	11.048	1.13575	6.08E-01	2.58E+01	1.22E+00	6.49E-02	2.77E+01	5.90E-01	1.09E-04	1.22E-01	1.27E-02	7.25E-01	6.62E-01	2.58E+01	1.22E+00	6.49E-02	2.78E+01
436	488869.6	3857200.76	7.8344	2.42083	11.367	1.12779	5.97E-01	2.58E+01	1.26E+00	6.45E-02	2.78E+01	5.80E-01	1.09E-04	1.26E-01	1.26E-02	7.18E-01	6.50E-01	2.58E+01	1.26E+00	6.45E-02	2.78E+01
437	488919.6	3857200.76	7.70297	2.41623	10.657	1.07767	5.87E-01	2.58E+01	1.18E+00	6.16E-02	2.76E+01	5.70E-01	1.09E-04	1.18E-01	1.21E-02	7.00E-01	6.40E-01	2.58E+01	1.18E+00	6.16E-02	2.77E+01
438	488969.6	3857200.76	7.58036	2.48904	9.24	0.99143	5.78E-01	2.66E+01	1.02E+00	5.67E-02	2.82E+01	5.61E-01	1.12E-04	1.02E-01	1.11E-02	6.75E-01	6.29E-01	2.66E+01	1.02E+00	5.67E-02	2.83E+01
439	488819.6	3857250.76	7.84228	2.43799	12.17	1.17091	5.98E-01	2.60E+01	1.35E+00	6.70E-02	2.80E+01	5.81E-01	1.10E-04	1.35E-01	1.31E-02	7.28E-01	6.51E-01	2.60E+01	1.35E+00	6.70E-02	2.81E+01
440	488869.6	3857250.76	7.68873	2.42585	11.406	1.11505	5.86E-01	2.59E+01	1.26E+00	6.38E-02	2.78E+01	5.69E-01	1.09E-04	1.26E-01	1.25E-02	7.08E-01	6.38E-01	2.59E+01	1.26E+00	6.38E-02	2.79E+01
441	488919.6	3857250.76	7.53749	2.47202	9.7985	1.01868	5.75E-01	2.64E+01	1.08E+00	5.83E-02	2.81E+01	5.58E-01	1.11E-04	1.08E-01	1.14E-02	6.78E-01	6.26E-01	2.64E+01	1.08E+00	5.83E-02	2.81E+01
442	488969.6	3857250.76	7.38904	2.55578	9.3102	0.95653	5.63E-01	2.73E+01	1.03E+00	5.47E-02	2.89E+01	5.47E-01	1.15E-04	1.03E-01	1.07E-02	6.61E-01	6.13E-01	2.73E+01	1.03E+00	5.47E-02	2.90E+01
443	488819.6	3857300.76	7.66773	2.49426	12.219	1.15086	5.84E-01	2.66E+01	1.35E+00	6.58E-02	2.86E+01	5.68E-01	1.12E-04	1.35E-01	1.29E-02	7.16E-01	6.37E-01	2.66E+01	1.35E+00	6.58E-02	2.87E+01
444	488869.6	3857300.76	7.54656	2.47912	10.388	1.04708	5.75E-01	2.65E+01	1.15E+00	5.99E-02	2.82E+01	5.59E-01	1.12E-04	1.15E-01	1.17E-02	6.85E-01	6.27E-01	2.65E+01	1.15E+00	5.99E-02	2.83E+01
445	488919.6	3857300.76	7.41976	2.53106	10.095	0.92987	5.66E-01	2.70E+01	1.12E+00	5.32E-02	2.87E+01	5.49E-01	1.14E-04	1.12E-01	1.04E-02	6.71E-01	6.16E-01	2.70E+01	1.12E+00	5.32E-02	2.88E+01
446	488819.6	3857450.76	7.56576	2.62703	12.88	0.97507	5.77E-01	2.80E+01	1.42E+00	5.58E-02	3.01E+01	5.60E-01	1.18E-04	1.42E-01	1.09E-02	7.14E-01	6.28E-01	2.80E+01	1.42E+00	5.58E-02	3.01E+01
447	488869.6	3857450.76	7.2817	2.6052	11.842	0.93092	5.55E-01	2.78E+01	1.31E+00	5.32E-02	2.97E+01	5.39E-01	1.17E-04	1.31E-01	1.04E-02	6.81E-01	6.05E-01	2.78E+01	1.31E+00	5.32E-02	2.98E+01
448	488919.6	3857450.76	6.98971	2.59633	10.115	0.97706	5.33E-01	2.77E+01	1.12E+00	5.59E-02	2.94E+01	5.17E-01	1.17E-04	1.12E-01	1.09E-02	6.40E-01	5.80E-01	2.77E+01	1.12E+00	5.59E-02	2.95E+01
449	488819.6	3857500.76	7.93251	2.65978	12.001	0.94524	6.05E-01	2.84E+01	1.33E+00	5.41E-02	3.04E+01	5.87E-01	1.20E-04	1.33E-01	1.06E-02	7.31E-01	6.59E-01	2.84E+01	1.33E+00	5.41E-02	3.04E+01
450	488869.6	3857500.76	7.64182	2.64743	9.8714	0.9493	5.82E-01	2.83E+01	1.09E+00	5.43E-02	3.00E+01	5.66E-01	1.19E-04	1.09E-01	1.06E-02	6.86E-01	6.34E-01	2.83E+01	1.09E+00	5.43E-02	3.00E+01
451	488919.6	3857500.76	7.35602	2.63453	10.732	0.99272	5.61E-01	2.81E+01	1.19E+00	5.68E-02	2.99E+01	5.45E-01	1.19E-04	1.19E-01	1.11E-02	6.74E-01	6.11E-01	2.81E+01	1.19E+00	5.68E-02	3.00E+01
452	488819.6	3857550.76	8.26519	2.6951	11.033	0.91269	6.30E-01	2.88E+01	1.22E+00	5.22E-02	3.07E+01	6.12E-01	1.21E-04	1.22E-01	1.02E-02	7.44E-01	6.86E-01	2.88E+01	1.22E+00	5.22E-02	3.07E+01
453	488869.6	3857550.76	7.9891	2.67789	12.545	0.96783	6.09E-01	2.86E+01	1.39E+00	5.53E-02	3.06E+01	5.91E-01	1.21E-04	1.39E-01	1.08E-02	7.41E-01	6.63E-01	2.86E+01	1.39E+00	5.53E-02	3.07E+01
454	488919.6	3857550.76	7.70722	2.6669	13.166	1.0082	5.87E-01	2.85E+01	1.46E+00	5.77E-02	3.06E+01	5.71E-01	1.20E-04	1.46E-01	1.13E-02	7.28E-01	6.40E-01	2.85E+01	1.46E+00	5.77E-02	3.06E+01
455	489663.71	3860900.05	2.94923	7.98991	4.0742	1.83131	2.25E-01	8.53E+01	4.50E-01	1.05E-01	8.60E+01	2.18E-01	3.60E-04	4.50E-02	2.05E-02	2.84E-01	2.45E-01	8.53E+01	4.50E-01	1.05E-01	8.61E+01
456	489813.71	3860900.05	3.27202	6.98748	4.0889	1.45753	2.49E-01	7.46E+01	4.52E-01	8.33E-02	7.54E+01	2.42E-01	3.15E-04	4.52E-02	1.63E-02	3.04E-01	2.72E-01	7.46E+01	4.52E-01	8.33E-02	7.54E+01
457	489863.71	3860900.05	3.30072	6.69231	4.013	1.4514	2.52E-01	7.14E+01	4.44E-01	8.30E-02	7.22E+01	2.44E-01	3.02E-04	4.44E-02	1.62E-02	3.05E-01	2.74E-01	7.14E+01	4.44E-01	8.30E-02	7.22E+01
458	489913.71	3860900.05	3.29929	6.45191	4.4254	1.44485	2.51E-01	6.89E+01	4.89E-01	8.26E-02	6.97E+01	2.44E-01	2.91E-04	4.89E-02	1.62E-02	3.10E-01	2.74E-01	6.89E+01	4.89E-01	8.26E-02	6.97E+01
459	489963.71	3860900.05	3.24499	6.19795	4.7608	1.43038	2.47E-01	6.61E+01	5.26E-01	8.18E-02	6.70E+01	2.40E-01	2.79E-04	5.26E-02	1.60E-02	3.09E-01	2.69E-01	6.61E+01	5.26E-01	8.18E-02	6.70E+01
460	490013.71	3860900.05	3.16293	5.98338	5.033	1.41644	2.41E-01	6.39E+01	5.56E-01	8.10E-02	6.47E+01	2.34E-01	2.70E-04	5.56E-02	1.59E-02	3.06E-01	2.63E-01	6.39E+01	5.56E-01	8.10E-02	6.48E+01
461	490063.71	3860900.05	3.03693	5.76016	5.1861	1.39722	2.31E-01	6.15E+01	5.73E-01	7.99E-02	6.24E+01	2.25E-01	2.60E-04	5.73E-02	1.56E-02	2.98E-01	2.52E-01	6.15E+01	5.73E-01	7.99E-02	6.24E+01
462	489663.71	3860950.05	2.78169	8.00426	4.014	1.87056	2.12E-01	8.54E+01	4.44E-01	1.07E-01	8.62E+01	2.06E-01	3.61E-04	4.44E-02	2.09E-02	2.72E-01	2.31E-01	8.54E+01	4.44E-01	1.07E-01	8.62E+01
463	489813.71	3860950.05	3.17413	7.03707	4.0904	1.43646	2.42E-01	7.51E+01	4.52E-01	8.21E-02	7.59E+01	2.35E-01	3.17E-04	4.52E-02	1.61E-02	2.97E-01	2.64E-01	7.51E+01	4.52E-01	8.21E-02	7.59E+01
464	489863.71	3860950.05	3.23289	6.73933	4.0341	1.43425	2.46E-01	7.19E+01	4.46E-01	8.20E-02	7.27E+01	2.39E-01	3.04E-04	4.46E-02	1.61E-02	3.00E-01	2.68E-01	7.19E+01	4.46E-01	8.20E-02	7.27E+01
465	489913.71	3860950.05	3.26269	6.49378	4.1391	1.43245	2.49E-01	6.93E+01	4.58E-01	8.19E-02	7.01E+01	2.42E-01	2.93E-04	4.58E-02	1.60E-02	3.04E-01	2.71E-01	6.93E+01	4.58E-01	8.19E-02	7.01E+01
466	489963.71	3860950.05	3.24614	6.25032	4.5224	1.42431	2.47E-01	6.67E+01	5.00E-01	8.14E-02	6.75E+01	2.40E-01	2.82E-04	5.00E-02	1.59E-02	3.07E-01	2.69E-01	6.67E+01	5.00E-01	8.14E-02	6.76E+01
467	490013.71	3860950.05	3.19358	6.03133	4.8363	1.41358	2.43E-01	6.44E+01	5.35E-01	8.08E-02	6.52E+01	2.36E-01	2.72E-04	5.35E-02	1.58E-02	3.06E-01	2.65E-01	6.44E+01	5.35E-01	8.08E-02	6.52E+01
468	490063.71	3860950.05	3.10333	5.82328	5.0587	1.39957	2.37E-01	6.21E+01	5.59E-01	8.00E-02	6.30E+01	2.30E-01	2.63E-04	5.59E-02	1.57E-02	3.02E-01	2.58E-01	6.21E+01	5.59E-01	8.00E-02	6.30E+01
469	489513.71	3861000.05	2.2836	8.74012	3.5042	1.4589	1.74E-01	9.33E+01	3.87E-01	8.34E-02	9.39E+01	1.69E-01	3.94E-04	3.87E-02	1.63E-02	2.25E-01	1.90E-01	9.33E+01	3.87E-01	8.34E-02	9.39E+01
470	489563.71	3861000.05	2.26851	8.52296	3.6795	1.50744	1.73E-01	9.10E+01	4.07E-01	8.62E-02	9.16E+01	1.68E-01	3.84E-04	4.07E-02	1.69E-02	2.26E-01	1.88E-01	9.10E+01	4.07E-01	8.62E-02	9.16E+01
471	489613.71	3861000.05	2.4202	8.27445	3.8307	1.67068	1.84E-01	8.83E+01	4.24E-01	9.55E-02	8.90E+01	1.79E-01	3.73E-04	4.24E-02	1.87E-02	2.41E-01	2.01E-01	8.83E+01	4.24E-01	9.55E-02	8.90E+01
472	489663.71	3861000.05	2.60806	7.9786	3.9464	1.78177	1.99E-01	8.51E+01	4.36E-01	1.02E-01	8.59E+01	1.93E-01	3.60E-04	4.36E-02	1.99E-02	2.57E-01	2.17E-01	8.51E+01	4.36E-01	1.02E-01	8.59E+01
473	489713.71	3861000.05	2.77761	7.65631	4.0236	1.80427	2.12E-01	8.17E+01	4.45E-01	1.03E-01	8.25E+01	2.06E-01	3.45E-04	4.45E-02	2.02E-02	2.71E-01	2.31E-01	8.17E+01	4.45E-01	1.03E-01	8.25E+01
474	489763.71	3861000.05	2.92754	7.34596	4.0668	1.7395	2.23E-01	7.84E+01	4.50E-01	9.95E-02	7.92E+01	2.17E-01	3.31E-04	4.50E-02	1.95E-02	2.82E-01	2.43E-01	7.84E+01	4.50E-01	9.95E-02	7.92E+01
475	489813.71	3861000.05	3.05734	7.07198	4.081	1.61266	2.33E-01	7.55E+01	4.51E-01	9.22E-02	7.62E+01	2.26E-01	3.19E-04	4.51E-02	1.81E-02	2.90E-01	2.54E-01	7.55E+01	4.51E-01	9.22E-02	7.63E+01
476	489863.71	3861000.05	3.14382	6.77634	4.0449	1.42809	2.40E-01	7.23E+01	4.47E-01	8.17E-02	7.31E+01	2.33E-01	3.05E-04	4.47E-02	1.60E-02	2.94E-01	2.61E-01	7.23E+01	4.47E-01	8.17E-02	7.31E+01
477	489913.71	3861000.05	3.20401	6.53075	3.9855	1.41568	2.44E-01	6.97E+01	4.41E-01	8.10E-02	7.05E+01	2.37E-01	2.94E-04	4.41E-02	1.58E-02	2.97E-01	2.66E-01	6.97E+01	4.41E-01	8.10E-02	7.05E+01
478	489963.71	3861000.05	3.2182	6.28121	4.2594	1.41187	2.45E-01	6.70E+01	4.71E-01	8.07E-02	6.78E+01	2.38E-01	2.83E-04	4.71E-02	1.58E-02	3.01E-01	2.67E-01	6.70E+01	4.71E-01	8.07E-02	6.79E+01
479	490013.71	3861000.05	3.19921	6.06458	4.6172	1.40613	2.44E-01	6.47E+01	5.10E-01	8.04E-02	6.56E+01	2.37E-01	2.73E-04	5.10E-02	1.57E-02	3.04E-01	2.66E-01	6.47E+01	5.10E-01	8.04E-02	6.56E+01
480	490063.71	3861000.05	3.14067	5.85743	4.8909	1.39624	2.39E-01	6.25E+01	5.41E-01	7.98E-02	6.34E+01	2.33E-01	2.64E-04	5.41E-02	1.56E-02	3.02E-01	2.61E-01	6.25E+01	5.41E-01	7.98E-02	6.34E+01
481	489513.71	3861050.05	2.2519	8.47489	3.3953	1.67212	1.72E-01	9.04E+01	3.75E-01	9.56E-02	9.11E+01	1.67E-01	3.82E-04	3.75E-02	1.87E-02	2.23E-01	1.87E-01	9.04E+01	3.75E-01	9.56E-02	9.11E+01
482	489563.71	3861050.05	2.25731	8.32488	3.5789	1.38223	1.72E-01	8.88E+01	3.96E-01	7.90E-02	8.95E+01	1.67E-01	3.75E-04	3.96E-02	1.55E-02	2.23E-01	1.87E-01	8.88E+01	3.96E-01	7.90E-02	8.95E+01
483	489613.71	3861050.05	2.2407	8.15764	3.7457	1.48169	1.71E-01	8.71E+01	4.14E-01	8.47E-02	8.77E+01	1.66E-01	3.68E-04	4.14E-02	1.66E-02	2.24E-01	1.86E-01	8.71E+01	4.14E-01	8.47E-02	8.77E+01
484	489663.71	3861050.05	2.42909	7.89706	3.8693	1.6142	1.85E-01	8.43E+01	4.28E-01	9.23E-02	8.50E+01	1.80E-01	3.56E-04	4.28E-02	1.81E-02	2.41E-01	2.02E-01	8.43E+01	4.28E-01	9.23E-02	8.50E+01

485	489713.71	3861050.05	2.60809	7.61706	3.962	1.71006	1.99E-01	8.13E+01	4.38E-01	9.78E-02	8.20E+01	1.93E-01	3.43E-04	4.38E-02	1.91E-02	2.56E-01	2.17E-01	8.13E+01	4.38E-01	9.78E-02	8.20E+01
486	489763.71	3861050.05	2.77365	7.34127	4.0246	1.74279	2.11E-01	7.83E+01	4.45E-01	9.97E-02	7.91E+01	2.05E-01	3.31E-04	4.45E-02	1.95E-02	2.70E-01	2.30E-01	7.83E+01	4.45E-01	9.97E-02	7.91E+01
487	489813.71	3861050.05	2.91913	7.07162	4.0538	1.69814	2.22E-01	7.55E+01	4.48E-01	9.71E-02	7.62E+01	2.16E-01	3.19E-04	4.48E-02	1.90E-02	2.80E-01	2.42E-01	7.55E+01	4.48E-01	9.71E-02	7.63E+01
488	489863.71	3861050.05	3.03301	6.79663	4.042	1.57755	2.31E-01	7.25E+01	4.47E-01	9.02E-02	7.33E+01	2.25E-01	3.06E-04	4.47E-02	1.77E-02	2.87E-01	2.52E-01	7.25E+01	4.47E-01	9.02E-02	7.33E+01
489	489913.71	3861050.05	3.11716	6.54227	3.998	1.42061	2.38E-01	6.98E+01	4.42E-01	8.12E-02	7.06E+01	2.31E-01	2.95E-04	4.42E-02	1.59E-02	2.91E-01	2.59E-01	6.98E+01	4.42E-01	8.12E-02	7.06E+01
490	489963.71	3861050.05	3.1651	6.30236	3.9833	1.3942	2.41E-01	6.73E+01	4.40E-01	7.97E-02	6.80E+01	2.34E-01	2.84E-04	4.40E-02	1.56E-02	2.94E-01	2.63E-01	6.73E+01	4.40E-01	7.97E-02	6.80E+01
491	490013.71	3861050.05	3.18118	6.09329	4.3816	1.39448	2.42E-01	6.50E+01	4.84E-01	7.97E-02	6.58E+01	2.36E-01	2.75E-04	4.84E-02	1.56E-02	3.00E-01	2.64E-01	6.50E+01	4.84E-01	7.97E-02	6.59E+01
492	490063.71	3861050.05	3.15413	5.88359	4.6995	1.38887	2.40E-01	6.28E+01	5.20E-01	7.94E-02	6.36E+01	2.34E-01	2.65E-04	5.20E-02	1.55E-02	3.01E-01	2.62E-01	6.28E+01	5.20E-01	7.94E-02	6.36E+01
493	489513.71	3861100.05	2.21073	8.20396	3.2896	1.87119	1.69E-01	8.76E+01	3.64E-01	1.07E-01	8.82E+01	1.64E-01	3.70E-04	3.64E-02	2.09E-02	2.21E-01	1.84E-01	8.76E+01	3.64E-01	1.07E-01	8.82E+01
494	489563.71	3861100.05	2.23045	8.08139	3.4727	1.57657	1.70E-01	8.62E+01	3.84E-01	9.02E-02	8.69E+01	1.65E-01	3.64E-04	3.84E-02	1.76E-02	2.22E-01	1.85E-01	8.62E+01	3.84E-01	9.02E-02	8.69E+01
495	489613.71	3861100.05	2.22304	7.90626	3.6315	1.29849	1.69E-01	8.44E+01	4.02E-01	7.43E-02	8.50E+01	1.65E-01	3.56E-04	4.02E-02	1.45E-02	2.20E-01	1.85E-01	8.44E+01	4.02E-01	7.43E-02	8.50E+01
496	489663.71	3861100.05	2.24252	7.73231	3.7747	1.42293	1.71E-01	8.25E+01	4.17E-01	8.14E-02	8.32E+01	1.66E-01	3.49E-04	4.17E-02	1.59E-02	2.24E-01	1.86E-01	8.25E+01	4.17E-01	8.14E-02	8.32E+01
497	489713.71	3861100.05	2.43077	7.5217	3.8875	1.5491	1.85E-01	8.03E+01	4.30E-01	8.86E-02	8.10E+01	1.80E-01	3.39E-04	4.30E-02	1.73E-02	2.41E-01	2.02E-01	8.03E+01	4.30E-01	8.86E-02	8.10E+01
498	489763.71	3861100.05	2.6066	7.28455	3.9667	1.64272	1.99E-01	7.77E+01	4.39E-01	9.39E-02	7.85E+01	1.93E-01	3.28E-04	4.39E-02	1.84E-02	2.56E-01	2.16E-01	7.77E+01	4.39E-01	9.39E-02	7.85E+01
499	489813.71	3861100.05	2.76697	7.04411	4.0142	1.68084	2.11E-01	7.52E+01	4.44E-01	9.61E-02	7.59E+01	2.05E-01	3.18E-04	4.44E-02	1.88E-02	2.68E-01	2.30E-01	7.52E+01	4.44E-01	9.61E-02	7.59E+01
500	489863.71	3861100.05	2.90764	6.80913	4.0302	1.65281	2.22E-01	7.27E+01	4.46E-01	9.45E-02	7.34E+01	2.15E-01	3.07E-04	4.46E-02	1.85E-02	2.79E-01	2.41E-01	7.27E+01	4.46E-01	9.45E-02	7.34E+01
501	489913.71	3861100.05	3.01154	6.54918	4.0003	1.54525	2.30E-01	6.99E+01	4.42E-01	8.84E-02	7.07E+01	2.23E-01	2.95E-04	4.42E-02	1.73E-02	2.85E-01	2.50E-01	6.99E+01	4.42E-01	8.84E-02	7.07E+01
502	489963.71	3861100.05	3.08835	6.31578	3.9437	1.40649	2.35E-01	6.74E+01	4.36E-01	8.04E-02	6.82E+01	2.29E-01	2.85E-04	4.36E-02	1.57E-02	2.88E-01	2.56E-01	6.74E+01	4.36E-01	8.04E-02	6.82E+01
503	490013.71	3861100.05	3.12702	6.08719	4.1041	1.37378	2.38E-01	6.50E+01	4.54E-01	7.86E-02	6.57E+01	2.32E-01	2.74E-04	4.54E-02	1.54E-02	2.93E-01	2.60E-01	6.50E+01	4.54E-01	7.86E-02	6.58E+01
504	490063.71	3861100.05	3.1332	5.88267	4.4627	1.37357	2.39E-01	6.28E+01	4.93E-01	7.85E-02	6.36E+01	2.32E-01	2.65E-04	4.93E-02	1.54E-02	2.97E-01	2.60E-01	6.28E+01	4.93E-01	7.85E-02	6.36E+01
505	489713.71	3861150.05	2.2527	7.39273	3.8066	1.38493	1.72E-01	7.89E+01	4.21E-01	7.92E-02	7.96E+01	1.67E-01	3.33E-04	4.21E-02	1.55E-02	2.25E-01	1.87E-01	7.89E+01	4.21E-01	7.92E-02	7.96E+01
506	489763.71	3861150.05	2.43627	7.20458	3.9031	1.49901	1.86E-01	7.69E+01	4.32E-01	8.57E-02	7.76E+01	1.80E-01	3.25E-04	4.32E-02	1.68E-02	2.41E-01	2.02E-01	7.69E+01	4.32E-01	8.57E-02	7.76E+01
507	489813.71	3861150.05	2.60786	6.99703	3.9677	1.58771	1.99E-01	7.47E+01	4.39E-01	9.08E-02	7.54E+01	1.93E-01	3.15E-04	4.39E-02	1.78E-02	2.55E-01	2.17E-01	7.47E+01	4.39E-01	9.08E-02	7.54E+01
508	489863.71	3861150.05	2.75969	6.77132	3.9961	1.62258	2.10E-01	7.23E+01	4.42E-01	9.28E-02	7.30E+01	2.04E-01	3.05E-04	4.42E-02	1.82E-02	2.67E-01	2.29E-01	7.23E+01	4.42E-01	9.28E-02	7.30E+01
509	489913.71	3861150.05	2.88693	6.53795	3.9889	1.59328	2.20E-01	6.98E+01	4.41E-01	9.11E-02	7.05E+01	2.14E-01	2.95E-04	4.41E-02	1.78E-02	2.76E-01	2.40E-01	6.98E+01	4.41E-01	9.11E-02	7.05E+01
510	489963.71	3861150.05	2.98537	6.30585	3.948	1.50553	2.28E-01	6.73E+01	4.36E-01	8.61E-02	6.80E+01	2.21E-01	2.84E-04	4.36E-02	1.69E-02	2.82E-01	2.48E-01	6.73E+01	4.36E-01	8.61E-02	6.81E+01
511	490013.71	3861150.05	3.05247	6.08404	3.8774	1.38072	2.33E-01	6.49E+01	4.29E-01	7.90E-02	6.57E+01	2.26E-01	2.74E-04	4.29E-02	1.55E-02	2.85E-01	2.53E-01	6.49E+01	4.29E-01	7.90E-02	6.57E+01
512	490063.71	3861150.05	3.09045	5.88579	4.2138	1.35451	2.36E-01	6.28E+01	4.66E-01	7.75E-02	6.36E+01	2.29E-01	2.65E-04	4.66E-02	1.52E-02	2.91E-01	2.57E-01	6.28E+01	4.66E-01	7.75E-02	6.36E+01
513	489613.71	3861200.05	2.15969	7.41682	3.4154	1.60725	1.65E-01	7.92E+01	3.78E-01	9.19E-02	7.98E+01	1.60E-01	3.34E-04	3.78E-02	1.80E-02	2.16E-01	1.79E-01	7.92E+01	3.78E-01	9.19E-02	7.98E+01
514	489663.71	3861200.05	2.17304	7.34528	3.5801	1.37434	1.66E-01	7.84E+01	3.96E-01	7.86E-02	7.90E+01	1.61E-01	3.31E-04	3.96E-02	1.54E-02	2.16E-01	1.80E-01	7.84E+01	3.96E-01	7.86E-02	7.90E+01
515	489713.71	3861200.05	2.16074	7.2354	3.7196	1.24858	1.65E-01	7.72E+01	4.11E-01	7.14E-02	7.79E+01	1.60E-01	3.26E-04	4.11E-02	1.40E-02	2.15E-01	1.79E-01	7.72E+01	4.11E-01	7.14E-02	7.79E+01
516	489763.71	3861200.05	2.26267	7.08902	3.8301	1.35056	1.72E-01	7.57E+01	4.23E-01	7.72E-02	7.63E+01	1.68E-01	3.20E-04	4.23E-02	1.51E-02	2.25E-01	1.88E-01	7.57E+01	4.23E-01	7.72E-02	7.63E+01
517	489813.71	3861200.05	2.44123	6.91791	3.9104	1.45348	1.86E-01	7.38E+01	4.32E-01	8.31E-02	7.45E+01	1.81E-01	3.12E-04	4.32E-02	1.63E-02	2.41E-01	2.03E-01	7.38E+01	4.32E-01	8.31E-02	7.45E+01
518	489863.71	3861200.05	2.60815	6.73235	3.9601	1.53624	1.99E-01	7.18E+01	4.38E-01	8.78E-02	7.26E+01	1.93E-01	3.03E-04	4.38E-02	1.72E-02	2.54E-01	2.17E-01	7.18E+01	4.38E-01	8.78E-02	7.26E+01
519	489913.71	3861200.05	2.75141	6.5196	3.9705	1.56762	2.10E-01	6.96E+01	4.39E-01	8.96E-02	7.03E+01	2.04E-01	2.94E-04	4.39E-02	1.75E-02	2.65E-01	2.28E-01	6.96E+01	4.39E-01	8.96E-02	7.03E+01
520	489963.71	3861200.05	2.86971	6.29939	3.9467	1.54289	2.19E-01	6.72E+01	4.36E-01	8.82E-02	6.80E+01	2.12E-01	2.84E-04	4.36E-02	1.73E-02	2.74E-01	2.38E-01	6.72E+01	4.36E-01	8.82E-02	6.80E+01
521	490013.71	3861200.05	2.96345	6.09217	3.8964	1.47204	2.26E-01	6.50E+01	4.31E-01	8.42E-02	6.58E+01	2.19E-01	2.75E-04	4.31E-02	1.65E-02	2.79E-01	2.46E-01	6.50E+01	4.31E-01	8.42E-02	6.58E+01
522	490063.71	3861200.05	3.02393	5.8858	3.9497	1.36198	2.30E-01	6.28E+01	4.37E-01	7.79E-02	6.36E+01	2.24E-01	2.65E-04	4.37E-02	1.52E-02	2.83E-01	2.51E-01	6.28E+01	4.37E-01	7.79E-02	6.36E+01
523	489513.71	3861250.05	2.162	7.12149	3.0703	1.99952	1.65E-01	7.60E+01	3.39E-01	1.14E-01	7.66E+01	1.60E-01	3.21E-04	3.39E-02	2.24E-02	2.17E-01	1.79E-01	7.60E+01	3.39E-01	1.14E-01	7.66E+01
524	489563.71	3861250.05	2.05815	7.16497	3.1163	1.89547	1.57E-01	7.65E+01	3.45E-01	1.08E-01	7.71E+01	1.52E-01	3.23E-04	3.45E-02	2.12E-02	2.08E-01	1.71E-01	7.65E+01	3.45E-01	1.08E-01	7.71E+01
525	489613.71	3861250.05	2.11258	7.16953	3.3084	1.7273	1.61E-01	7.65E+01	3.66E-01	9.88E-02	7.71E+01	1.56E-01	3.23E-04	3.66E-02	1.93E-02	2.13E-01	1.75E-01	7.65E+01	3.66E-01	9.88E-02	7.72E+01
526	489663.71	3861250.05	2.14228	7.12861	3.4787	1.51617	1.63E-01	7.61E+01	3.85E-01	8.67E-02	7.67E+01	1.59E-01	3.21E-04	3.85E-02	1.70E-02	2.14E-01	1.78E-01	7.61E+01	3.85E-01	8.67E-02	7.67E+01
527	489713.71	3861250.05	2.14886	7.0575	3.628	1.29504	1.64E-01	7.53E+01	4.01E-01	7.41E-02	7.60E+01	1.59E-01	3.18E-04	4.01E-02	1.45E-02	2.14E-01	1.78E-01	7.53E+01	4.01E-01	7.41E-02	7.60E+01
528	489763.71	3861250.05	2.12927	6.95128	3.7511	1.22532	1.62E-01	7.42E+01	4.15E-01	7.01E-02	7.48E+01	1.58E-01	3.13E-04	4.15E-02	1.37E-02	2.13E-01	1.77E-01	7.42E+01	4.15E-01	7.01E-02	7.48E+01
529	489813.71	3861250.05	2.27153	6.81397	3.8451	1.31812	1.73E-01	7.27E+01	4.25E-01	7.54E-02	7.34E+01	1.68E-01	3.07E-04	4.25E-02	1.48E-02	2.26E-01	1.89E-01	7.27E+01	4.25E-01	7.54E-02	7.34E+01
530	489863.71	3861250.05	2.44463	6.65232	3.9079	1.40947	1.86E-01	7.10E+01	4.32E-01	8.06E-02	7.17E+01	1.81E-01	3.00E-04	4.32E-02	1.58E-02	2.40E-01	2.03E-01	7.10E+01	4.32E-01	8.06E-02	7.17E+01
531	489913.71	3861250.05	2.60397	6.4775	3.9401	1.48263	1.98E-01	6.91E+01	4.36E-01	8.48E-02	6.98E+01	1.93E-01	2.92E-04	4.36E-02	1.66E-02	2.53E-01	2.16E-01	6.91E+01	4.36E-01	8.48E-02	6.99E+01
532	489963.71	3861250.05	2.74243	6.28692	3.938	1.51567	2.09E-01	6.71E+01	4.35E-01	8.67E-02	6.78E+01	2.03E-01	2.83E-04	4.35E-02	1.70E-02	2.64E-01	2.28E-01	6.71E+01	4.35E-01	8.67E-02	6.78E+01
533	490013.71	3861250.05	2.85569	6.08926	3.9036	1.50001	2.18E-01	6.50E+01	4.32E-01	8.58E-02	6.57E+01	2.11E-01	2.74E-04	4.32E-02	1.68E-02	2.72E-01	2.37E-01	6.50E+01	4.32E-01	8.58E-02	6.57E+01
534	490063.71	3861250.05	2.93775	5.88408	3.8367	1.43406	2.24E-01	6.28E+01	4.24E-01	8.20E-02	6.35E+01	2.17E-01	2.65E-04	4.24E-02	1.61E-02	2.76E-01	2.44E-01	6.28E+01	4.24E-01	8.20E-02	6.35E+01
535	489528.13	3861308.47	2.17745	6.76958	3.0238	1.94734	1.66E-01	7.22E+01	3.34E-01	1.11E-01	7.29E+01	1.61E-01	3.05E-04	3.34E-02	2.18E-02	2.17E-01	1.81E-01	7.22E+01	3.34E-01	1.11E-01	7.29E+01
536	489578.13	3861308.47	2.06585	6.82667	3.0374	1.88416	1.57E-01	7.29E+01	3.36E-01	1.08E-01	7.35E+01	1.53E-01	3.08E-04	3.36E-02	2.11E-02	2.08E-01	1.72E-01	7.29E+01	3.36E-01	1.08E-01	7.35E+01
537	489628.13	3861308.47	2.05627	6.85236	3.2285	1.75891	1.57E-01	7.31E+01	3.57E-01	1.01E-01	7.37E+01	1.52E-01	3.09E-04	3.57E-02	1.97E-02	2.08E-01	1.71E-01	7.31E+01	3.57E-01	1.01E-01	7.38E+01
538	489678.13	3861308.47	2.10048	6.85043	3.4035	1.58815	1.60E-01	7.31E+01	3.76E-01	9.08E-02	7.37E+01	1.56E-01	3.09E-04	3.76E-02	1.78E-02	2.11E-01	1.74E-01	7.31E+01	3.76E-01	9.08E-02	7.37E+01
539	489728.13	3861308.47	2.12097	6.8122	3.5569	1.3886	1.62E-01	7.27E+01	3.93E-01	7.94E-02	7.33E+01	1.57E-01	3.07E-04	3.93E-02	1.55E-02	2.12E-01	1.76E-01	7.27E+01	3.93E-01	7.94E-02	7.33E+01
540	489778.13	3861308.47	2.11528	6.73389	3.6837	1.17904	1.61E-01	7.19E+01	4.07E-01	6.74E-02	7.25E+01	1.57E-01	3.04E-04	4.07E-02	1.32E-02	2.11E-01	1.76E-01	7.19E+01	4.07E-01	6.74E-02	7.25E+01
541	489678.13	3861358.47	2.04797	6.61056	3.2965	1.66399	1.56E-01	7.05E+01	3.64E-01	9.52E-02	7.12E+01	1.52E-01	2.98E-04	3.64E-02	1.86E-02	2.07E-01	1.70E-01	7.05E+01	3.64E-01	9.52E-02	7.12E+01
542	489728.13	3861358.47	2.08446	6.60159	3.4567	1.49383	1.59E-01	7.05E+01	3.82E-01	8.54E-02	7.11E+01	1.54E-01	2.98E-04	3.82E-02	1.67E-02	2.10E-01	1.73E-01	7.05E+01	3.82E-01	8.54E-02	7.11E+01
543	489528.13	3861408.47	2.33258	6.14601	2.9126	1.78997	1.78E-01	6.56E+01	3.22E-01	1.02E-01	6.62E+01	1.73E-01	2.77E-04	3.22E-02	2.00E-02	2.25E-01	1.94E-01	6.56E+01	3.22E-01	1.02E-01	6.62E+01
544	489578.13	3861408.47	2.17741	6.24079	2.9519	1.81465	1.66E-01	6.66E+01	3.26E-01	1.04E-01	6.72E+01	1.61E-01	2.81E-04	3.26E-02	2.03E-02	2.14E-01	1.81E-01	6.66E+01	3.26E-01	1.04E-01	6.72E+01
545	489628.13	3861408.47	2.04335	6.32808	3.0088	1.7946	1.56E-01	6.75E+01	3.33E-01	1.03E-01	6.81E+01	1.51E-01	2.85E-04	3.33E-02	2.01E-02	2.05E-01	1.70E-01	6.75E+01	3.33E-01	1.03E-01	6.81E+01

546	489678.13	3861408.47	1.98685	6.36688	3.1895	1.70457	1.51E-01	6.79E+01	3.53E-01	9.75E-02	6.85E+01	1.47E-01	2.87E-04	3.53E-02	1.91E-02	2.02E-01	1.65E-01	6.79E+01	3.53E-01	9.75E-02	6.86E+01
547	489728.13	3861408.47	2.03675	6.37876	3.3539	1.56811	1.55E-01	6.81E+01	3.71E-01	8.97E-02	6.87E+01	1.51E-01	2.88E-04	3.71E-02	1.76E-02	2.06E-01	1.69E-01	6.81E+01	3.71E-01	8.97E-02	6.87E+01
548	489528.13	3861458.47	2.40265	5.84961	2.8507	1.68407	1.83E-01	6.24E+01	3.15E-01	9.63E-02	6.30E+01	1.78E-01	2.64E-04	3.15E-02	1.89E-02	2.29E-01	1.99E-01	6.24E+01	3.15E-01	9.63E-02	6.30E+01
549	489578.13	3861458.47	2.25754	5.95903	2.912	1.74225	1.72E-01	6.36E+01	3.22E-01	9.96E-02	6.42E+01	1.67E-01	2.69E-04	3.22E-02	1.95E-02	2.19E-01	1.87E-01	6.36E+01	3.22E-01	9.96E-02	6.42E+01
550	489628.13	3861458.47	2.10043	6.04712	2.9199	1.74988	1.60E-01	6.45E+01	3.23E-01	1.00E-01	6.51E+01	1.56E-01	2.73E-04	3.23E-02	1.96E-02	2.08E-01	1.74E-01	6.45E+01	3.23E-01	1.00E-01	6.51E+01
551	489678.13	3861458.47	1.97259	6.10897	3.0794	1.70316	1.50E-01	6.52E+01	3.40E-01	9.74E-02	6.58E+01	1.46E-01	2.75E-04	3.40E-02	1.91E-02	1.99E-01	1.64E-01	6.52E+01	3.40E-01	9.74E-02	6.58E+01
552	489728.13	3861458.47	1.97707	6.13694	3.246	1.60279	1.51E-01	6.55E+01	3.59E-01	9.17E-02	6.61E+01	1.46E-01	2.77E-04	3.59E-02	1.79E-02	2.00E-01	1.64E-01	6.55E+01	3.59E-01	9.17E-02	6.61E+01
553	489528.13	3861508.47	2.46261	5.55544	2.7793	1.56297	1.88E-01	5.93E+01	3.07E-01	8.94E-02	5.99E+01	1.82E-01	2.50E-04	3.07E-02	1.75E-02	2.31E-01	2.04E-01	5.93E+01	3.07E-01	8.94E-02	5.99E+01
554	489578.13	3861508.47	2.32733	5.66967	2.8566	1.64075	1.77E-01	6.05E+01	3.16E-01	9.38E-02	6.11E+01	1.72E-01	2.56E-04	3.16E-02	1.84E-02	2.23E-01	1.93E-01	6.05E+01	3.16E-01	9.38E-02	6.11E+01
555	489628.13	3861508.47	2.17847	5.7668	2.8837	1.67798	1.66E-01	6.15E+01	3.19E-01	9.60E-02	6.21E+01	1.61E-01	2.60E-04	3.19E-02	1.88E-02	2.12E-01	1.81E-01	6.15E+01	3.19E-01	9.60E-02	6.21E+01
556	489678.13	3861508.47	2.01853	5.84189	2.9672	1.6663	1.54E-01	6.23E+01	3.28E-01	9.53E-02	6.29E+01	1.49E-01	2.63E-04	3.28E-02	1.87E-02	2.01E-01	1.68E-01	6.23E+01	3.28E-01	9.53E-02	6.29E+01
557	489728.13	3861508.47	1.91054	5.89576	3.1396	1.60812	1.46E-01	6.29E+01	3.47E-01	9.20E-02	6.35E+01	1.41E-01	2.66E-04	3.47E-02	1.80E-02	1.94E-01	1.59E-01	6.29E+01	3.47E-01	9.20E-02	6.35E+01
558	489628.13	3861558.47	2.25432	5.5044	2.8478	1.59525	1.72E-01	5.87E+01	3.15E-01	9.12E-02	5.93E+01	1.67E-01	2.48E-04	3.15E-02	1.79E-02	2.16E-01	1.87E-01	5.87E+01	3.15E-01	9.12E-02	5.93E+01
559	489678.13	3861558.47	2.10589	5.60344	2.8653	1.62352	1.61E-01	5.98E+01	3.17E-01	9.28E-02	6.04E+01	1.56E-01	2.53E-04	3.17E-02	1.82E-02	2.06E-01	1.75E-01	5.98E+01	3.17E-01	9.28E-02	6.04E+01
560	489728.13	3861558.47	1.95217	5.67415	3.0408	1.59981	1.49E-01	6.06E+01	3.36E-01	9.15E-02	6.11E+01	1.45E-01	2.56E-04	3.36E-02	1.79E-02	1.96E-01	1.62E-01	6.06E+01	3.36E-01	9.15E-02	6.11E+01
561	489357.08	3861015.81	2.34954	8.87202	3.2417	2.35719	1.79E-01	9.47E+01	3.58E-01	1.35E-01	9.54E+01	1.74E-01	4.00E-04	3.58E-02	2.64E-02	2.37E-01	1.95E-01	9.47E+01	3.58E-01	1.35E-01	9.54E+01
562	489407.08	3861015.81	2.22804	8.83373	3.2768	2.13358	1.70E-01	9.43E+01	3.62E-01	1.22E-01	9.49E+01	1.65E-01	3.98E-04	3.62E-02	2.39E-02	2.25E-01	1.85E-01	9.43E+01	3.62E-01	1.22E-01	9.49E+01
563	489457.08	3861015.81	2.2453	8.76912	3.2461	1.855	1.71E-01	9.36E+01	3.59E-01	1.06E-01	9.42E+01	1.66E-01	3.95E-04	3.59E-02	2.08E-02	2.23E-01	1.86E-01	9.36E+01	3.59E-01	1.06E-01	9.42E+01
564	489357.08	3861065.81	2.3891	8.44108	3.1671	2.36984	1.82E-01	9.01E+01	3.50E-01	1.36E-01	9.07E+01	1.77E-01	3.81E-04	3.50E-02	2.65E-02	2.39E-01	1.98E-01	9.01E+01	3.50E-01	1.36E-01	9.08E+01
565	489407.08	3861065.81	2.26959	8.44012	3.2309	2.23238	1.73E-01	9.01E+01	3.57E-01	1.28E-01	9.07E+01	1.68E-01	3.80E-04	3.57E-02	2.50E-02	2.29E-01	1.88E-01	9.01E+01	3.57E-01	1.28E-01	9.07E+01
566	489457.08	3861065.81	2.18669	8.42146	3.2325	2.01963	1.67E-01	8.99E+01	3.57E-01	1.15E-01	9.05E+01	1.62E-01	3.80E-04	3.57E-02	2.26E-02	2.21E-01	1.82E-01	8.99E+01	3.57E-01	1.15E-01	9.05E+01
567	489357.08	3861115.81	2.45181	8.01101	3.0779	2.30958	1.87E-01	8.55E+01	3.40E-01	1.32E-01	8.62E+01	1.82E-01	3.61E-04	3.40E-02	2.59E-02	2.42E-01	2.04E-01	8.55E+01	3.40E-01	1.32E-01	8.62E+01
568	489407.08	3861115.81	2.31417	8.06652	3.1807	2.27052	1.76E-01	8.61E+01	3.52E-01	1.30E-01	8.67E+01	1.71E-01	3.64E-04	3.52E-02	2.54E-02	2.32E-01	1.92E-01	8.61E+01	3.52E-01	1.30E-01	8.68E+01
569	489457.08	3861115.81	2.19769	8.0882	3.2149	2.1371	1.68E-01	8.63E+01	3.55E-01	1.22E-01	8.70E+01	1.63E-01	3.65E-04	3.55E-02	2.39E-02	2.23E-01	1.82E-01	8.63E+01	3.55E-01	1.22E-01	8.70E+01
570	489407.08	3861165.81	2.36788	7.69423	3.118	2.24583	1.80E-01	8.21E+01	3.45E-01	1.28E-01	8.28E+01	1.75E-01	3.47E-04	3.45E-02	2.51E-02	2.35E-01	1.97E-01	8.21E+01	3.45E-01	1.28E-01	8.28E+01
571	489457.08	3861165.81	2.23963	7.72827	3.1711	2.17136	1.71E-01	8.25E+01	3.51E-01	1.24E-01	8.31E+01	1.66E-01	3.48E-04	3.51E-02	2.43E-02	2.26E-01	1.86E-01	8.25E+01	3.51E-01	1.24E-01	8.31E+01
572	489407.08	3861215.81	2.43698	7.26276	3.0073	2.11505	1.86E-01	7.75E+01	3.32E-01	1.21E-01	7.81E+01	1.80E-01	3.27E-04	3.32E-02	2.37E-02	2.38E-01	2.02E-01	7.75E+01	3.32E-01	1.21E-01	7.82E+01
573	489457.08	3861215.81	2.26978	7.33009	3.0912	2.11285	1.73E-01	7.82E+01	3.42E-01	1.21E-01	7.89E+01	1.68E-01	3.30E-04	3.42E-02	2.37E-02	2.26E-01	1.88E-01	7.82E+01	3.42E-01	1.21E-01	7.89E+01
574	489407.08	3861265.81	2.49642	6.84523	2.8928	1.96215	1.90E-01	7.31E+01	3.20E-01	1.12E-01	7.37E+01	1.85E-01	3.09E-04	3.20E-02	2.20E-02	2.39E-01	2.07E-01	7.31E+01	3.20E-01	1.12E-01	7.37E+01
575	489457.08	3861265.81	2.34157	6.9462	3.0054	2.01771	1.78E-01	7.41E+01	3.32E-01	1.15E-01	7.48E+01	1.73E-01	3.13E-04	3.32E-02	2.26E-02	2.29E-01	1.94E-01	7.41E+01	3.32E-01	1.15E-01	7.48E+01
576	489309.86	3861110.14	2.59749	7.97347	2.9313	2.27025	1.98E-01	8.51E+01	3.24E-01	1.30E-01	8.57E+01	1.92E-01	3.59E-04	3.24E-02	2.54E-02	2.50E-01	2.16E-01	8.51E+01	3.24E-01	1.30E-01	8.58E+01
577	489407.08	3861315.81	2.55867	6.487	2.7974	1.82508	1.95E-01	6.92E+01	3.09E-01	1.04E-01	6.98E+01	1.89E-01	2.92E-04	3.09E-02	2.04E-02	2.41E-01	2.12E-01	6.92E+01	3.09E-01	1.04E-01	6.99E+01
578	489457.08	3861315.81	2.41665	6.60602	2.9303	1.91718	1.84E-01	7.05E+01	3.24E-01	1.10E-01	7.11E+01	1.79E-01	2.98E-04	3.24E-02	2.15E-02	2.33E-01	2.01E-01	7.05E+01	3.24E-01	1.10E-01	7.11E+01
579	488906.03	3861006.75	3.2433	7.76629	3.0599	1.33156	2.47E-01	8.29E+01	3.38E-01	7.61E-02	8.35E+01	2.40E-01	3.50E-04	3.38E-02	1.49E-02	2.89E-01	2.69E-01	8.29E+01	3.38E-01	7.61E-02	8.36E+01
580	488956.03	3861006.75	3.25094	8.04009	2.663	1.50595	2.48E-01	8.58E+01	2.94E-01	8.61E-02	8.64E+01	2.41E-01	3.62E-04	2.94E-02	1.69E-02	2.87E-01	2.70E-01	8.58E+01	2.94E-01	8.61E-02	8.65E+01
581	488904.24	3861051.87	3.25298	7.24926	3.2916	1.31797	2.48E-01	7.74E+01	3.64E-01	7.54E-02	7.80E+01	2.41E-01	3.27E-04	3.64E-02	1.48E-02	2.92E-01	2.70E-01	7.74E+01	3.64E-01	7.54E-02	7.81E+01
582	488954.24	3861051.87	3.24254	7.50284	2.8143	1.42905	2.47E-01	8.01E+01	3.11E-01	8.17E-02	8.07E+01	2.40E-01	3.38E-04	3.11E-02	1.60E-02	2.88E-01	2.69E-01	8.01E+01	3.11E-01	8.17E-02	8.07E+01
583	489004.24	3861051.87	3.24412	7.74883	2.411	1.60276	2.47E-01	8.27E+01	2.67E-01	9.17E-02	8.33E+01	2.40E-01	3.49E-04	2.67E-02	1.79E-02	2.85E-01	2.69E-01	8.27E+01	2.67E-01	9.17E-02	8.33E+01
584	488804.24	3861101.87	3.04042	6.17645	3.8239	2.16855	2.32E-01	6.59E+01	4.23E-01	1.24E-01	6.67E+01	2.25E-01	2.78E-04	4.23E-02	2.43E-02	2.92E-01	2.52E-01	6.59E+01	4.23E-01	1.24E-01	6.67E+01
585	488854.24	3861101.87	3.12568	6.38771	3.6368	1.42664	2.38E-01	6.82E+01	4.02E-01	8.16E-02	6.89E+01	2.31E-01	2.88E-04	4.02E-02	1.60E-02	2.88E-01	2.59E-01	6.82E+01	4.02E-01	8.16E-02	6.89E+01
586	488904.24	3861101.87	3.13866	6.60623	3.2189	1.13218	2.39E-01	7.05E+01	3.56E-01	6.47E-02	7.12E+01	2.32E-01	2.98E-04	3.56E-02	1.27E-02	2.81E-01	2.61E-01	7.05E+01	3.56E-01	6.47E-02	7.12E+01
587	488954.24	3861101.87	3.1545	6.83503	2.8203	1.20832	2.40E-01	7.29E+01	3.12E-01	6.91E-02	7.36E+01	2.34E-01	3.08E-04	3.12E-02	1.35E-02	2.79E-01	2.62E-01	7.29E+01	3.12E-01	6.91E-02	7.36E+01
588	489004.24	3861101.87	3.15658	7.07667	2.4118	1.3286	2.41E-01	7.55E+01	2.67E-01	7.60E-02	7.61E+01	2.34E-01	3.19E-04	2.67E-02	1.49E-02	2.76E-01	2.62E-01	7.55E+01	2.67E-01	7.60E-02	7.61E+01
589	488804.24	3861151.87	2.90656	5.81146	3.7072	2.14452	2.22E-01	6.20E+01	4.10E-01	1.23E-01	6.28E+01	2.15E-01	2.62E-04	4.10E-02	2.40E-02	2.80E-01	2.41E-01	6.20E+01	4.10E-01	1.23E-01	6.28E+01
590	488854.24	3861151.87	2.98461	5.86545	3.5131	1.43545	2.27E-01	6.26E+01	3.88E-01	8.21E-02	6.33E+01	2.21E-01	2.64E-04	3.88E-02	1.61E-02	2.76E-01	2.48E-01	6.26E+01	3.88E-01	8.21E-02	6.33E+01
591	489129.49	3861187.55	3.02685	6.68071	1.7708	1.41317	2.31E-01	7.13E+01	1.96E-01	8.08E-02	7.18E+01	2.24E-01	3.01E-04	1.96E-02	1.58E-02	2.60E-01	2.51E-01	7.13E+01	1.96E-01	8.08E-02	7.18E+01
592	489179.49	3861187.55	2.96277	6.86002	2.059	1.56694	2.26E-01	7.32E+01	2.28E-01	8.96E-02	7.38E+01	2.19E-01	3.09E-04	2.28E-02	1.75E-02	2.60E-01	2.46E-01	7.32E+01	2.28E-01	8.96E-02	7.38E+01
593	488804.24	3861201.87	2.81954	5.5601	3.7164	2.27176	2.15E-01	5.93E+01	4.11E-01	1.30E-01	6.01E+01	2.09E-01	2.51E-04	4.11E-02	2.54E-02	2.76E-01	2.34E-01	5.93E+01	4.11E-01	1.30E-01	6.01E+01
594	488854.24	3861201.87	2.89749	5.603	3.5342	1.57053	2.21E-01	5.98E+01	3.91E-01	8.98E-02	6.05E+01	2.15E-01	2.53E-04	3.91E-02	1.76E-02	2.71E-01	2.41E-01	5.98E+01	3.91E-01	8.98E-02	6.05E+01
595	489129.49	3861237.55	3.0276	6.25635	1.6898	1.29572	2.31E-01	6.68E+01	1.87E-01	7.41E-02	6.73E+01	2.24E-01	2.82E-04	1.87E-02	1.45E-02	2.58E-01	2.51E-01	6.68E+01	1.87E-01	7.41E-02	6.73E+01
596	489179.49	3861237.55	2.97189	6.42471	1.9346	1.42032	2.27E-01	6.86E+01	2.14E-01	8.12E-02	6.91E+01	2.20E-01	2.90E-04	2.14E-02	1.59E-02	2.58E-01	2.47E-01	6.86E+01	2.14E-01	8.12E-02	6.91E+01
597	488804.24	3861251.87	2.73135	5.32071	3.7259	2.38288	2.08E-01	5.68E+01	4.12E-01	1.36E-01	5.75E+01	2.02E-01	2.40E-04	4.12E-02	2.67E-02	2.70E-01	2.27E-01	5.68E+01	4.12E-01	1.36E-01	5.76E+01
598	488854.24	3861251.87	2.81576	5.37231	3.5649	1.71119	2.15E-01	5.73E+01	3.94E-01	9.79E-02	5.80E+01	2.08E-01	2.42E-04	3.94E-02	1.92E-02	2.67E-01	2.34E-01	5.73E+01	3.94E-01	9.79E-02	5.81E+01
599	488804.24	3861301.87	2.63149	5.0639	3.7081	2.43289	2.01E-01	5.40E+01	4.10E-01	1.39E-01	5.48E+01	1.95E-01	2.28E-04	4.10E-02	2.72E-02	2.63E-01	2.18E-01	5.40E+01	4.10E-01	1.39E-01	5.48E+01
600	488854.24	3861301.87	2.73103	5.14351	3.5877	1.83501	2.08E-01	5.49E+01	3.97E-01	1.05E-01	5.56E+01	2.02E-01	2.32E-04	3.97E-02	2.05E-02	2.63E-01	2.27E-01	5.49E+01	3.97E-01	1.05E-01	5.56E+01
601	490943.5	3860181.97	3.06706	4.19735	4.2026	1.05199	2.34E-01	4.48E+01	4.65E-01	6.02E-02	4.56E+01	2.27E-01	1.89E-04	4.65E-02	1.18E-02	2.85E-01	2.55E-01	4.48E+01	4.65E-01	6.02E-02	4.56E+01
602	490993.5	3860181.97	3.07679	4.09293	4.1651	1.02651	2.35E-01	4.37E+01	4.61E-01	5.87E-02	4.44E+01	2.28E-01	1.85E-04	4.61E-02	1.15E-02	2.86E-01	2.55E-01	4.37E+01	4.61E-01	5.87E-02	4.45E+01
603	491043.5	3860181.97	3.07305	3.9877	4.1135	1.00084	2.34E-01	4.26E+01	4.55E-01	5.72E-02	4.33E+01	2.28E-01	1.80E-04	4.55E-02	1.12E-02	2.84E-01	2.55E-01	4.26E+01	4.55E-01	5.72E-02	4.33E+01
604	491093.5	3860181.97	3.05102	3.87887	4.0434	0.96685	2.33E-01	4.14E+01	4.47E-01	5.53E-02	4.21E+01	2.26E-01	1.75E-04	4.47E-02	1.08E-02	2.82E-01	2.53E-01	4.14E+01	4.47E-01	5.53E-02	4.22E+01
605	490943.5	3860231.97	2.97193	4.32532	4.1539	0.93655	2.27E-01	4.62E+01	4.59E-01	5.36E-02	4.69E+01	2.20E-01	1.95E-04	4.59E-02	1.05E-02	2.77E-01	2.47E-01	4.62E+01	4.59E-01	5.36E-02	4.69E+01
606	490993.5	3860231.97	3.00802	4.233	4.1484	0.94191	2.29E-01	4.52E+01	4.59E-01	5.39E-02	4.59E+01	2.23E-01	1.91E-04	4.59E-02	1.05E-02	2.79E-01	2.50E-01	4.52E+01	4.59E-01	5.39E-02	4.59E+01

607	491043.5	3860231.97	3.0161	4.12942	4.1103	0.92067	2.30E-01	4.41E+01	4.54E-01	5.26E-02	4.48E+01	2.23E-01	1.86E-04	4.54E-02	1.03E-02	2.79E-01	2.50E-01	4.41E+01	4.54E-01	5.26E-02	4.48E+01
608	491093.5	3860231.97	3.0107	4.02365	4.0584	0.89865	2.29E-01	4.29E+01	4.49E-01	5.14E-02	4.37E+01	2.23E-01	1.81E-04	4.49E-02	1.01E-02	2.78E-01	2.50E-01	4.29E+01	4.49E-01	5.14E-02	4.37E+01
609	490943.5	3860281.97	2.85945	4.40044	4.0795	0.97343	2.18E-01	4.70E+01	4.51E-01	5.57E-02	4.77E+01	2.12E-01	1.98E-04	4.51E-02	1.09E-02	2.68E-01	2.37E-01	4.70E+01	4.51E-01	5.57E-02	4.77E+01
610	490993.5	3860281.97	2.90964	4.31597	4.0925	0.93215	2.22E-01	4.61E+01	4.52E-01	5.33E-02	4.68E+01	2.15E-01	1.95E-04	4.52E-02	1.04E-02	2.71E-01	2.42E-01	4.61E+01	4.52E-01	5.33E-02	4.68E+01
611	491043.5	3860281.97	2.93782	4.22201	4.0794	0.87735	2.24E-01	4.51E+01	4.51E-01	5.02E-02	4.58E+01	2.17E-01	1.90E-04	4.51E-02	9.82E-03	2.73E-01	2.44E-01	4.51E+01	4.51E-01	5.02E-02	4.58E+01
612	491093.5	3860281.97	2.95162	4.12424	4.05	0.82771	2.25E-01	4.40E+01	4.48E-01	4.73E-02	4.47E+01	2.19E-01	1.86E-04	4.48E-02	9.27E-03	2.73E-01	2.45E-01	4.40E+01	4.48E-01	4.73E-02	4.48E+01
613	490943.5	3860331.97	2.73054	4.412	3.9808	1.02511	2.08E-01	4.71E+01	4.40E-01	5.86E-02	4.78E+01	2.02E-01	1.99E-04	4.40E-02	1.15E-02	2.58E-01	2.27E-01	4.71E+01	4.40E-01	5.86E-02	4.78E+01
614	490993.5	3860331.97	2.7879	4.33216	4.0041	0.97785	2.12E-01	4.62E+01	4.43E-01	5.59E-02	4.69E+01	2.06E-01	1.95E-04	4.43E-02	1.09E-02	2.62E-01	2.31E-01	4.62E+01	4.43E-01	5.59E-02	4.70E+01
615	491043.5	3860331.97	2.83276	4.24883	4.0126	0.93156	2.16E-01	4.53E+01	4.44E-01	5.33E-02	4.61E+01	2.10E-01	1.92E-04	4.44E-02	1.04E-02	2.65E-01	2.35E-01	4.53E+01	4.44E-01	5.33E-02	4.61E+01
616	491093.5	3860331.97	2.86498	4.16228	4.0063	0.88586	2.18E-01	4.44E+01	4.43E-01	5.07E-02	4.51E+01	2.12E-01	1.88E-04	4.43E-02	9.92E-03	2.67E-01	2.38E-01	4.44E+01	4.43E-01	5.07E-02	4.52E+01
617	490086.72	3859935.12	3.89825	5.9513	4.1951	1.71241	2.97E-01	6.35E+01	4.64E-01	9.79E-02	6.44E+01	2.89E-01	2.68E-04	4.64E-02	1.92E-02	3.54E-01	3.24E-01	6.35E+01	4.64E-01	9.79E-02	6.44E+01
618	490136.72	3859935.12	3.54966	5.8499	4.4621	1.65541	2.71E-01	6.24E+01	4.93E-01	9.47E-02	6.33E+01	2.63E-01	2.64E-04	4.93E-02	1.85E-02	3.31E-01	2.95E-01	6.24E+01	4.93E-01	9.47E-02	6.33E+01
619	490186.72	3859935.12	3.5688	5.73854	4.6523	1.59997	2.72E-01	6.12E+01	5.14E-01	9.15E-02	6.21E+01	2.64E-01	2.59E-04	5.14E-02	1.79E-02	3.34E-01	2.96E-01	6.12E+01	5.14E-01	9.15E-02	6.21E+01
620	490236.72	3859935.12	3.5484	5.61698	4.7593	1.546	2.70E-01	5.99E+01	5.26E-01	8.84E-02	6.08E+01	2.63E-01	2.53E-04	5.26E-02	1.73E-02	3.33E-01	2.95E-01	5.99E+01	5.26E-01	8.84E-02	6.09E+01
621	490286.72	3859935.12	3.47745	5.48648	4.7693	1.49294	2.65E-01	5.86E+01	5.27E-01	8.54E-02	5.94E+01	2.57E-01	2.47E-04	5.27E-02	1.67E-02	3.27E-01	2.89E-01	5.86E+01	5.27E-01	8.54E-02	5.95E+01
622	490336.72	3859935.12	3.36184	5.34532	4.699	1.44148	2.56E-01	5.70E+01	5.20E-01	8.24E-02	5.79E+01	2.49E-01	2.41E-04	5.20E-02	1.61E-02	3.17E-01	2.79E-01	5.70E+01	5.20E-01	8.24E-02	5.79E+01
623	490386.72	3859935.12	3.31645	5.19336	4.5693	1.39202	2.53E-01	5.54E+01	5.05E-01	7.96E-02	5.63E+01	2.46E-01	2.34E-04	5.05E-02	1.56E-02	3.12E-01	2.75E-01	5.54E+01	5.05E-01	7.96E-02	5.63E+01
624	490436.72	3859935.12	3.27074	5.03377	4.586	1.34387	2.49E-01	5.37E+01	5.07E-01	7.68E-02	5.46E+01	2.42E-01	2.27E-04	5.07E-02	1.50E-02	3.08E-01	2.72E-01	5.37E+01	5.07E-01	7.68E-02	5.46E+01
625	490486.72	3859935.12	3.27798	4.86676	4.6224	1.29745	2.50E-01	5.19E+01	5.11E-01	7.42E-02	5.28E+01	2.43E-01	2.19E-04	5.11E-02	1.45E-02	3.09E-01	2.72E-01	5.19E+01	5.11E-01	7.42E-02	5.28E+01
626	490536.72	3859935.12	3.35422	4.69061	4.6505	1.25408	2.56E-01	5.01E+01	5.14E-01	7.17E-02	5.09E+01	2.48E-01	2.11E-04	5.14E-02	1.40E-02	3.14E-01	2.78E-01	5.01E+01	5.14E-01	7.17E-02	5.09E+01
627	490586.72	3859935.12	3.41549	4.61343	4.6607	1.21345	2.60E-01	4.92E+01	5.15E-01	6.94E-02	5.01E+01	2.53E-01	2.08E-04	5.15E-02	1.36E-02	3.18E-01	2.84E-01	4.92E+01	5.15E-01	6.94E-02	5.01E+01
628	490636.72	3859935.12	3.44845	4.56535	4.6366	1.17243	2.63E-01	4.87E+01	5.13E-01	6.70E-02	4.96E+01	2.55E-01	2.06E-04	5.13E-02	1.31E-02	3.20E-01	2.86E-01	4.87E+01	5.13E-01	6.70E-02	4.96E+01
629	490686.72	3859935.12	3.47895	4.48463	4.6142	1.13805	2.65E-01	4.79E+01	5.10E-01	6.51E-02	4.87E+01	2.58E-01	2.02E-04	5.10E-02	1.27E-02	3.22E-01	2.89E-01	4.79E+01	5.10E-01	6.51E-02	4.87E+01
630	490736.72	3859935.12	3.48156	4.42665	4.5601	1.1028	2.65E-01	4.72E+01	5.04E-01	6.31E-02	4.81E+01	2.58E-01	2.00E-04	5.04E-02	1.23E-02	3.21E-01	2.89E-01	4.72E+01	5.04E-01	6.31E-02	4.81E+01
631	490086.72	3859985.12	4.18388	6.07269	4.1263	1.7863	3.19E-01	6.48E+01	4.56E-01	1.02E-01	6.57E+01	3.10E-01	2.74E-04	4.56E-02	2.00E-02	3.76E-01	3.47E-01	6.48E+01	4.56E-01	1.02E-01	6.57E+01
632	490136.72	3859985.12	3.85592	5.96544	4.1542	1.74182	2.94E-01	6.37E+01	4.59E-01	9.96E-02	6.45E+01	2.85E-01	2.69E-04	4.59E-02	1.95E-02	3.51E-01	3.20E-01	6.37E+01	4.59E-01	9.96E-02	6.45E+01
633	490186.72	3859985.12	3.51816	5.84	4.3895	1.69771	2.68E-01	6.23E+01	4.85E-01	9.71E-02	6.32E+01	2.60E-01	2.63E-04	4.85E-02	1.90E-02	3.28E-01	2.92E-01	6.23E+01	4.85E-01	9.71E-02	6.32E+01
634	490236.72	3859985.12	3.5171	5.6997	4.5986	1.6535	2.68E-01	6.08E+01	5.08E-01	9.46E-02	6.17E+01	2.60E-01	2.57E-04	5.08E-02	1.85E-02	3.30E-01	2.92E-01	6.08E+01	5.08E-01	9.46E-02	6.17E+01
635	490286.72	3859985.12	3.50356	5.5514	4.7001	1.60733	2.67E-01	5.92E+01	5.20E-01	9.19E-02	6.01E+01	2.59E-01	2.50E-04	5.20E-02	1.80E-02	3.30E-01	2.91E-01	5.92E+01	5.20E-01	9.19E-02	6.01E+01
636	490336.72	3859985.12	3.44243	5.392	4.7183	1.56104	2.62E-01	5.75E+01	5.22E-01	8.93E-02	5.84E+01	2.55E-01	2.43E-04	5.22E-02	1.75E-02	3.25E-01	2.86E-01	5.75E+01	5.22E-01	8.93E-02	5.84E+01
637	490386.72	3859985.12	3.333	5.22395	4.6413	1.51437	2.54E-01	5.57E+01	5.13E-01	8.66E-02	5.66E+01	2.47E-01	2.35E-04	5.13E-02	1.70E-02	3.15E-01	2.77E-01	5.57E+01	5.13E-01	8.66E-02	5.66E+01
638	490436.72	3859985.12	3.24324	5.04492	4.5153	1.4688	2.47E-01	5.38E+01	4.99E-01	8.40E-02	5.47E+01	2.40E-01	2.27E-04	4.99E-02	1.64E-02	3.07E-01	2.69E-01	5.38E+01	4.99E-01	8.40E-02	5.47E+01
639	490486.72	3859985.12	3.20209	4.85842	4.4872	1.42391	2.44E-01	5.18E+01	4.96E-01	8.14E-02	5.27E+01	2.37E-01	2.19E-04	4.96E-02	1.59E-02	3.03E-01	2.66E-01	5.18E+01	4.96E-01	8.14E-02	5.27E+01
640	490536.72	3859985.12	3.19454	4.66584	4.5349	1.37998	2.43E-01	4.98E+01	5.01E-01	7.89E-02	5.06E+01	2.37E-01	2.10E-04	5.01E-02	1.54E-02	3.02E-01	2.65E-01	4.98E+01	5.01E-01	7.89E-02	5.06E+01
641	490586.72	3859985.12	3.27105	4.52782	4.5658	1.33725	2.49E-01	4.83E+01	5.05E-01	7.65E-02	4.92E+01	2.42E-01	2.04E-04	5.05E-02	1.50E-02	3.08E-01	2.72E-01	4.83E+01	5.05E-01	7.65E-02	4.92E+01
642	490636.72	3859985.12	3.33329	4.48476	4.5799	1.29624	2.54E-01	4.79E+01	5.06E-01	7.41E-02	4.87E+01	2.47E-01	2.02E-04	5.06E-02	1.45E-02	3.12E-01	2.77E-01	4.79E+01	5.06E-01	7.41E-02	4.87E+01
643	490686.72	3859985.12	3.38749	4.44362	4.5867	1.25986	2.58E-01	4.74E+01	5.07E-01	7.20E-02	4.83E+01	2.51E-01	2.00E-04	5.07E-02	1.41E-02	3.16E-01	2.81E-01	4.74E+01	5.07E-01	7.20E-02	4.83E+01
644	490736.72	3859985.12	3.40421	4.40305	4.547	1.21852	2.59E-01	4.70E+01	5.03E-01	6.97E-02	4.78E+01	2.52E-01	1.98E-04	5.03E-02	1.36E-02	3.16E-01	2.83E-01	4.70E+01	5.03E-01	6.97E-02	4.78E+01
645	490786.72	3859985.12	3.40303	4.36016	4.4884	1.17788	2.59E-01	4.65E+01	4.96E-01	6.74E-02	4.74E+01	2.52E-01	1.97E-04	4.96E-02	1.32E-02	3.15E-01	2.83E-01	4.65E+01	4.96E-01	6.74E-02	4.74E+01
646	490086.72	3860035.12	4.42267	6.09855	4.0776	1.70612	3.37E-01	6.51E+01	4.51E-01	9.76E-02	6.60E+01	3.27E-01	2.75E-04	4.51E-02	1.91E-02	3.92E-01	3.67E-01	6.51E+01	4.51E-01	9.76E-02	6.60E+01
647	490136.72	3860035.12	4.1313	5.96535	4.1564	1.68393	3.15E-01	6.37E+01	4.60E-01	9.63E-02	6.45E+01	3.06E-01	2.69E-04	4.60E-02	1.89E-02	3.71E-01	3.43E-01	6.37E+01	4.60E-01	9.63E-02	6.46E+01
648	490186.72	3860035.12	3.81714	5.81707	4.1851	1.65906	2.91E-01	6.21E+01	4.63E-01	9.49E-02	6.29E+01	2.83E-01	2.62E-04	4.63E-02	1.86E-02	3.48E-01	3.17E-01	6.21E+01	4.63E-01	9.49E-02	6.30E+01
649	490236.72	3860035.12	3.48784	5.65641	4.3104	1.63164	2.66E-01	6.04E+01	4.77E-01	9.33E-02	6.12E+01	2.58E-01	2.55E-04	4.77E-02	1.83E-02	3.24E-01	2.90E-01	6.04E+01	4.77E-01	9.33E-02	6.12E+01
650	490286.72	3860035.12	3.45292	5.48696	4.4898	1.60142	2.63E-01	5.86E+01	4.96E-01	9.16E-02	5.94E+01	2.56E-01	2.47E-04	4.96E-02	1.79E-02	3.23E-01	2.87E-01	5.86E+01	4.96E-01	9.16E-02	5.94E+01
651	490336.72	3860035.12	3.45323	5.30593	4.6169	1.57021	2.63E-01	5.66E+01	5.10E-01	8.98E-02	5.75E+01	2.56E-01	2.39E-04	5.10E-02	1.76E-02	3.25E-01	2.87E-01	5.66E+01	5.10E-01	8.98E-02	5.75E+01
652	490386.72	3860035.12	3.3972	5.12195	4.6252	1.53585	2.59E-01	5.47E+01	5.11E-01	8.78E-02	5.55E+01	2.52E-01	2.31E-04	5.11E-02	1.72E-02	3.20E-01	2.82E-01	5.47E+01	5.11E-01	8.78E-02	5.55E+01
653	490436.72	3860035.12	3.30173	4.93019	4.575	1.50089	2.52E-01	5.26E+01	5.06E-01	8.58E-02	5.35E+01	2.44E-01	2.22E-04	5.06E-02	1.68E-02	3.12E-01	2.74E-01	5.26E+01	5.06E-01	8.58E-02	5.35E+01
654	490486.72	3860035.12	3.17457	4.7331	4.4687	1.46517	2.42E-01	5.05E+01	4.94E-01	8.38E-02	5.13E+01	2.35E-01	2.13E-04	4.94E-02	1.64E-02	3.01E-01	2.64E-01	5.05E+01	4.94E-01	8.38E-02	5.14E+01
655	490536.72	3860035.12	3.1394	4.58388	4.3962	1.42886	2.39E-01	4.89E+01	4.86E-01	8.17E-02	4.97E+01	2.32E-01	2.07E-04	4.86E-02	1.60E-02	2.97E-01	2.61E-01	4.89E+01	4.86E-01	8.17E-02	4.97E+01
656	490586.72	3860035.12	3.11048	4.47328	4.4453	1.39188	2.37E-01	4.77E+01	4.91E-01	7.96E-02	4.85E+01	2.30E-01	2.02E-04	4.91E-02	1.56E-02	2.95E-01	2.58E-01	4.77E+01	4.91E-01	7.96E-02	4.86E+01
657	490636.72	3860035.12	3.17803	4.42532	4.4673	1.35418	2.42E-01	4.72E+01	4.94E-01	7.74E-02	4.80E+01	2.35E-01	1.99E-04	4.94E-02	1.52E-02	3.00E-01	2.64E-01	4.72E+01	4.94E-01	7.74E-02	4.81E+01
658	490686.72	3860035.12	3.24047	4.37381	4.4839	1.31701	2.47E-01	4.67E+01	4.96E-01	7.53E-02	4.75E+01	2.40E-01	1.97E-04	4.96E-02	1.47E-02	3.04E-01	2.69E-01	4.67E+01	4.96E-01	7.53E-02	4.75E+01
659	490736.72	3860035.12	3.29935	4.31285	4.4983	1.28292	2.51E-01	4.60E+01	4.97E-01	7.34E-02	4.68E+01	2.44E-01	1.94E-04	4.97E-02	1.44E-02	3.09E-01	2.74E-01	4.60E+01	4.97E-01	7.34E-02	4.69E+01
660	490786.72	3860035.12	3.32034	4.25862	4.4659	1.2451	2.53E-01	4.54E+01	4.94E-01	7.12E-02	4.63E+01	2.46E-01	1.92E-04	4.94E-02	1.39E-02	3.09E-01	2.76E-01	4.54E+01	4.94E-01	7.12E-02	4.63E+01
661	490836.72	3860035.12	3.32245	4.20361	4.4127	1.20686	2.53E-01	4.49E+01	4.88E-01	6.90E-02	4.57E+01	2.46E-01	1.89E-04	4.88E-02	1.35E-02	3.08E-01	2.76E-01	4.49E+01	4.88E-01	6.90E-02	4.57E+01
662	490086.72	3860085.12	4.62924	5.96442	4.0013	1.5663	3.53E-01	6.37E+01	4.42E-01	8.96E-02	6.45E+01	3.43E-01	2.69E-04	4.42E-02	1.75E-02	4.05E-01	3.84E-01	6.37E+01	4.42E-01	8.96E-02	6.46E+01
663	490136.72	3860085.12	4.36037	5.7918	4.1044	1.52972	3.32E-01	6.18E+01	4.54E-01	8.75E-02	6.27E+01	3.23E-01	2.61E-04	4.54E-02	1.71E-02	3.86E-01	3.62E-01	6.18E+01	4.54E-01	8.75E-02	6.27E+01
664	490186.72	3860085.12	4.0869	5.61917	4.1884	1.52675	3.12E-01	6.00E+01	4.63E-01	8.73E-02	6.08E+01	3.03E-01	2.53E-04	4.63E-02	1.71E-02	3.66E-01	3.39E-01	6.00E+01	4.63E-01	8.73E-02	6.09E+01
665	490236.72	3860085.12	3.78115	5.44487	4.212	1.51806	2.88E-01	5.81E+01	4.66E-01	8.68E-02	5.89E+01	2.80E-01	2.45E-04	4.66E-02	1.70E-02	3.44E-01	3.14E-01	5.81E+01	4.66E-01	8.68E-02	5.90E+01
666	490286.72	3860085.12	3.4594	5.26397	4.2376	1.50588	2.64E-01	5.62E+01	4.69E-01	8.61E-02	5.70E+01	2.56E-01	2.37E-04	4.69E-02	1.69E-02	3.20E-01	2.87E-01	5.62E+01	4.69E-01	8.61E-02	5.70E+01
667	490336.72	3860085.12	3.39498	5.07891	4.4068	1.49021	2.59E-01	5.42E+01	4.87E-01	8.52E-02	5.50E+01	2.51E-01	2.29E-04	4.87E-02	1.67E-02	3.17E-01	2.82E-01	5.42E+01	4.87E-01	8.52E-02	5.51E+01

668	490386.72	3860085.12	3.3967	4.98771	4.5096	1.47198	2.59E-01	5.32E+01	4.99E-01	8.42E-02	5.41E+01	2.51E-01	2.25E-04	4.99E-02	1.65E-02	3.18E-01	2.82E-01	5.32E+01	4.99E-01	8.42E-02	5.41E+01
669	490436.72	3860085.12	3.35344	4.9055	4.5411	1.45133	2.56E-01	5.24E+01	5.02E-01	8.30E-02	5.32E+01	2.48E-01	2.21E-04	5.02E-02	1.62E-02	3.15E-01	2.78E-01	5.24E+01	5.02E-01	8.30E-02	5.32E+01
670	490486.72	3860085.12	3.26758	4.81787	4.4996	1.4266	2.49E-01	5.14E+01	4.97E-01	8.16E-02	5.22E+01	2.42E-01	2.17E-04	4.97E-02	1.60E-02	3.08E-01	2.71E-01	5.14E+01	4.97E-01	8.16E-02	5.23E+01
671	490536.72	3860085.12	3.14918	4.72475	4.4203	1.40148	2.40E-01	5.04E+01	4.89E-01	8.01E-02	5.12E+01	2.33E-01	2.13E-04	4.89E-02	1.57E-02	2.98E-01	2.61E-01	5.04E+01	4.89E-01	8.01E-02	5.13E+01
672	490586.72	3860085.12	3.07335	4.62731	4.3021	1.3758	2.34E-01	4.94E+01	4.76E-01	7.87E-02	5.02E+01	2.28E-01	2.09E-04	4.76E-02	1.54E-02	2.91E-01	2.55E-01	4.94E+01	4.76E-01	7.87E-02	5.02E+01
673	490636.72	3860085.12	3.03566	4.52624	4.3499	1.34241	2.31E-01	4.83E+01	4.81E-01	7.68E-02	4.91E+01	2.25E-01	2.04E-04	4.81E-02	1.50E-02	2.88E-01	2.52E-01	4.83E+01	4.81E-01	7.68E-02	4.91E+01
674	490686.72	3860085.12	3.0993	4.42156	4.3856	1.32022	2.36E-01	4.72E+01	4.85E-01	7.55E-02	4.80E+01	2.29E-01	1.99E-04	4.85E-02	1.48E-02	2.93E-01	2.57E-01	4.72E+01	4.85E-01	7.55E-02	4.80E+01
675	490736.72	3860085.12	3.16362	4.31364	4.407	1.29024	2.41E-01	4.60E+01	4.87E-01	7.38E-02	4.68E+01	2.34E-01	1.94E-04	4.87E-02	1.44E-02	2.98E-01	2.63E-01	4.60E+01	4.87E-01	7.38E-02	4.69E+01
676	490786.72	3860085.12	3.21191	4.20329	4.4093	1.25983	2.45E-01	4.49E+01	4.87E-01	7.20E-02	4.57E+01	2.38E-01	1.89E-04	4.87E-02	1.41E-02	3.01E-01	2.67E-01	4.49E+01	4.87E-01	7.20E-02	4.57E+01
677	490836.72	3860085.12	3.23442	4.15474	4.3807	1.22768	2.47E-01	4.43E+01	4.84E-01	7.02E-02	4.51E+01	2.39E-01	1.87E-04	4.84E-02	1.37E-02	3.02E-01	2.69E-01	4.43E+01	4.84E-01	7.02E-02	4.52E+01
678	490086.72	3860135.12	4.72377	5.62312	3.8251	1.79004	3.60E-01	6.00E+01	4.23E-01	1.02E-01	6.09E+01	3.50E-01	2.53E-04	4.23E-02	2.00E-02	4.12E-01	3.92E-01	6.00E+01	4.23E-01	1.02E-01	6.09E+01
679	490136.72	3860135.12	4.53333	5.44641	3.9993	1.71303	3.46E-01	5.81E+01	4.42E-01	9.80E-02	5.90E+01	3.36E-01	2.46E-04	4.42E-02	1.92E-02	3.99E-01	3.76E-01	5.81E+01	4.42E-01	9.80E-02	5.90E+01
680	490186.72	3860135.12	4.30221	5.26738	4.1273	1.6328	3.28E-01	5.62E+01	4.56E-01	9.34E-02	5.71E+01	3.19E-01	2.37E-04	4.56E-02	1.83E-02	3.83E-01	3.57E-01	5.62E+01	4.56E-01	9.34E-02	5.71E+01
681	490236.72	3860135.12	4.02962	5.21472	4.1968	1.5494	3.07E-01	5.56E+01	4.64E-01	8.86E-02	5.65E+01	2.98E-01	2.35E-04	4.64E-02	1.73E-02	3.62E-01	3.35E-01	5.57E+01	4.64E-01	8.86E-02	5.65E+01
682	490286.72	3860135.12	3.73627	5.16967	4.2209	1.46645	2.85E-01	5.52E+01	4.67E-01	8.39E-02	5.60E+01	2.77E-01	2.33E-04	4.67E-02	1.64E-02	3.40E-01	3.10E-01	5.52E+01	4.67E-01	8.39E-02	5.60E+01
683	490336.72	3860135.12	3.42644	5.11738	4.1967	1.38437	2.61E-01	5.46E+01	4.64E-01	7.92E-02	5.54E+01	2.54E-01	2.31E-04	4.64E-02	1.55E-02	3.16E-01	2.84E-01	5.46E+01	4.64E-01	7.92E-02	5.54E+01
684	490386.72	3860135.12	3.33519	5.05838	4.3165	1.34581	2.54E-01	5.40E+01	4.77E-01	7.70E-02	5.48E+01	2.47E-01	2.28E-04	4.77E-02	1.51E-02	3.10E-01	2.77E-01	5.40E+01	4.77E-01	7.70E-02	5.48E+01
685	490436.72	3860135.12	3.34221	4.99265	4.4132	1.34293	2.55E-01	5.33E+01	4.88E-01	7.68E-02	5.41E+01	2.47E-01	2.25E-04	4.88E-02	1.50E-02	3.11E-01	2.77E-01	5.33E+01	4.88E-01	7.68E-02	5.41E+01
686	490486.72	3860135.12	3.30792	4.92007	4.4534	1.328	2.52E-01	5.25E+01	4.92E-01	7.59E-02	5.33E+01	2.45E-01	2.22E-04	4.92E-02	1.49E-02	3.09E-01	2.75E-01	5.25E+01	4.92E-01	7.59E-02	5.33E+01
687	490536.72	3860135.12	3.23813	4.84156	4.4463	1.31644	2.47E-01	5.17E+01	4.92E-01	7.53E-02	5.25E+01	2.40E-01	2.18E-04	4.92E-02	1.47E-02	3.04E-01	2.69E-01	5.17E+01	4.92E-01	7.53E-02	5.25E+01
688	490586.72	3860135.12	3.12733	4.75786	4.3705	1.29752	2.38E-01	5.08E+01	4.83E-01	7.42E-02	5.16E+01	2.32E-01	2.14E-04	4.83E-02	1.45E-02	2.95E-01	2.60E-01	5.08E+01	4.83E-01	7.42E-02	5.16E+01
689	490636.72	3860135.12	3.00784	4.66884	4.2395	1.27569	2.29E-01	4.98E+01	4.69E-01	7.29E-02	5.06E+01	2.23E-01	2.10E-04	4.69E-02	1.43E-02	2.84E-01	2.50E-01	4.98E+01	4.69E-01	7.29E-02	5.06E+01
690	490686.72	3860135.12	2.9728	4.57497	4.2603	1.2519	2.27E-01	4.88E+01	4.71E-01	7.16E-02	4.96E+01	2.20E-01	2.06E-04	4.71E-02	1.40E-02	2.81E-01	2.47E-01	4.88E+01	4.71E-01	7.16E-02	4.96E+01
691	490736.72	3860135.12	3.01602	4.47842	4.297	1.23389	2.30E-01	4.78E+01	4.75E-01	7.06E-02	4.86E+01	2.23E-01	2.02E-04	4.75E-02	1.38E-02	2.85E-01	2.50E-01	4.78E+01	4.75E-01	7.06E-02	4.86E+01
692	490786.72	3860135.12	3.08193	4.37867	4.3224	1.22662	2.35E-01	4.67E+01	4.78E-01	7.01E-02	4.75E+01	2.28E-01	1.97E-04	4.78E-02	1.37E-02	2.90E-01	2.56E-01	4.67E+01	4.78E-01	7.01E-02	4.75E+01
693	490836.72	3860135.12	3.12333	4.2757	4.3178	1.19921	2.38E-01	4.56E+01	4.77E-01	6.86E-02	4.64E+01	2.31E-01	1.93E-04	4.77E-02	1.34E-02	2.93E-01	2.59E-01	4.56E+01	4.77E-01	6.86E-02	4.64E+01
694	490086.72	3860185.12	4.77894	5.69276	3.9827	1.81313	3.64E-01	6.08E+01	4.40E-01	1.04E-01	6.17E+01	3.54E-01	2.57E-04	4.40E-02	2.03E-02	4.18E-01	3.97E-01	6.08E+01	4.40E-01	1.04E-01	6.17E+01
695	490136.72	3860185.12	4.64994	5.56386	3.8536	1.77946	3.54E-01	5.94E+01	4.26E-01	1.02E-01	6.03E+01	3.44E-01	2.51E-04	4.26E-02	1.99E-02	4.07E-01	3.86E-01	5.94E+01	4.26E-01	1.02E-01	6.03E+01
696	490186.72	3860185.12	4.46781	5.43466	4.0216	1.73538	3.41E-01	5.80E+01	4.45E-01	9.92E-02	5.89E+01	3.31E-01	2.45E-04	4.45E-02	1.94E-02	3.95E-01	3.71E-01	5.80E+01	4.45E-01	9.92E-02	5.89E+01
697	490236.72	3860185.12	4.23849	5.30645	4.1362	1.68233	3.23E-01	5.66E+01	4.57E-01	9.62E-02	5.75E+01	3.14E-01	2.39E-04	4.57E-02	1.88E-02	3.79E-01	3.52E-01	5.66E+01	4.57E-01	9.62E-02	5.75E+01
698	490286.72	3860185.12	3.97696	5.18176	4.2036	1.62335	3.03E-01	5.53E+01	4.65E-01	9.28E-02	5.62E+01	2.94E-01	2.34E-04	4.65E-02	1.82E-02	3.59E-01	3.30E-01	5.53E+01	4.65E-01	9.28E-02	5.62E+01
699	490336.72	3860185.12	3.69094	5.14563	4.2229	1.55988	2.81E-01	5.49E+01	4.67E-01	8.92E-02	5.58E+01	2.73E-01	2.32E-04	4.67E-02	1.75E-02	3.38E-01	3.06E-01	5.49E+01	4.67E-01	8.92E-02	5.58E+01
700	490386.72	3860185.12	3.38977	5.10179	4.1968	1.49338	2.58E-01	5.44E+01	4.64E-01	8.54E-02	5.53E+01	2.51E-01	2.30E-04	4.64E-02	1.67E-02	3.14E-01	2.81E-01	5.44E+01	4.64E-01	8.54E-02	5.53E+01
701	490436.72	3860185.12	3.27411	5.05074	4.2213	1.42061	2.50E-01	5.39E+01	4.67E-01	8.12E-02	5.47E+01	2.42E-01	2.28E-04	4.67E-02	1.59E-02	3.05E-01	2.72E-01	5.39E+01	4.67E-01	8.12E-02	5.47E+01
702	490486.72	3860185.12	3.29025	4.99272	4.3282	1.33745	2.51E-01	5.33E+01	4.79E-01	7.65E-02	5.41E+01	2.44E-01	2.25E-04	4.79E-02	1.50E-02	3.07E-01	2.73E-01	5.33E+01	4.79E-01	7.65E-02	5.41E+01
703	490536.72	3860185.12	3.26637	4.92742	4.3821	1.2622	2.49E-01	5.26E+01	4.84E-01	7.22E-02	5.34E+01	2.42E-01	2.22E-04	4.84E-02	1.41E-02	3.05E-01	2.71E-01	5.26E+01	4.84E-01	7.22E-02	5.34E+01
704	490586.72	3860185.12	3.2061	4.85702	4.387	1.19674	2.44E-01	5.18E+01	4.85E-01	6.84E-02	5.26E+01	2.37E-01	2.19E-04	4.85E-02	1.34E-02	2.99E-01	2.66E-01	5.18E+01	4.85E-01	6.84E-02	5.27E+01
705	490636.72	3860185.12	3.10246	4.77894	4.3107	1.14288	2.36E-01	5.10E+01	4.77E-01	6.54E-02	5.18E+01	2.30E-01	2.15E-04	4.77E-02	1.28E-02	2.90E-01	2.58E-01	5.10E+01	4.77E-01	6.54E-02	5.18E+01
706	490686.72	3860185.12	2.97007	4.69741	4.1993	1.14048	2.26E-01	5.01E+01	4.64E-01	6.52E-02	5.09E+01	2.20E-01	2.12E-04	4.64E-02	1.28E-02	2.79E-01	2.47E-01	5.01E+01	4.64E-01	6.52E-02	5.09E+01
707	490736.72	3860185.12	2.91036	4.60916	4.1718	1.12466	2.22E-01	4.92E+01	4.61E-01	6.43E-02	4.99E+01	2.15E-01	2.08E-04	4.61E-02	1.26E-02	2.74E-01	2.42E-01	4.92E+01	4.61E-01	6.43E-02	5.00E+01
708	490786.72	3860185.12	2.93675	4.51921	4.2118	1.11925	2.24E-01	4.82E+01	4.66E-01	6.40E-02	4.90E+01	2.17E-01	2.04E-04	4.66E-02	1.25E-02	2.77E-01	2.44E-01	4.82E+01	4.66E-01	6.40E-02	4.90E+01
709	490836.72	3860185.12	2.99755	4.42534	4.2333	1.10999	2.28E-01	4.72E+01	4.68E-01	6.35E-02	4.80E+01	2.22E-01	1.99E-04	4.68E-02	1.24E-02	2.81E-01	2.49E-01	4.72E+01	4.68E-01	6.35E-02	4.80E+01
710	490086.72	3860235.12	4.78276	5.95258	4.2337	1.7178	3.65E-01	6.35E+01	4.68E-01	9.82E-02	6.45E+01	3.54E-01	2.68E-04	4.68E-02	1.92E-02	4.20E-01	3.97E-01	6.35E+01	4.68E-01	9.82E-02	6.45E+01
711	490136.72	3860235.12	4.70457	5.82741	3.9524	1.65997	3.59E-01	6.22E+01	4.37E-01	9.49E-02	6.31E+01	3.48E-01	2.63E-04	4.37E-02	1.86E-02	4.11E-01	3.91E-01	6.22E+01	4.37E-01	9.49E-02	6.31E+01
712	490186.72	3860235.12	4.57658	5.69866	3.8742	1.65904	3.49E-01	6.08E+01	4.28E-01	9.49E-02	6.17E+01	3.39E-01	2.57E-04	4.28E-02	1.86E-02	4.00E-01	3.80E-01	6.08E+01	4.28E-01	9.49E-02	6.17E+01
713	490236.72	3860235.12	4.39722	5.56896	4.0306	1.64657	3.35E-01	5.94E+01	4.46E-01	9.42E-02	6.03E+01	3.26E-01	2.51E-04	4.46E-02	1.84E-02	3.89E-01	3.65E-01	5.94E+01	4.46E-01	9.42E-02	6.03E+01
714	490286.72	3860235.12	4.17673	5.43767	4.1404	1.6242	3.18E-01	5.80E+01	4.58E-01	9.29E-02	5.89E+01	3.09E-01	2.45E-04	4.58E-02	1.82E-02	3.73E-01	3.47E-01	5.80E+01	4.58E-01	9.29E-02	5.89E+01
715	490336.72	3860235.12	3.92523	5.30447	4.2049	1.59343	2.99E-01	5.66E+01	4.65E-01	9.11E-02	5.75E+01	2.91E-01	2.39E-04	4.65E-02	1.78E-02	3.55E-01	3.26E-01	5.66E+01	4.65E-01	9.11E-02	5.75E+01
716	490386.72	3860235.12	3.64885	5.17049	4.223	1.55544	2.78E-01	5.52E+01	4.67E-01	8.89E-02	5.60E+01	2.70E-01	2.33E-04	4.67E-02	1.74E-02	3.34E-01	3.03E-01	5.52E+01	4.67E-01	8.89E-02	5.60E+01
717	490436.72	3860235.12	3.35775	5.06631	4.1984	1.50356	2.56E-01	5.41E+01	4.64E-01	8.60E-02	5.49E+01	2.49E-01	2.28E-04	4.64E-02	1.68E-02	3.12E-01	2.79E-01	5.41E+01	4.64E-01	8.60E-02	5.49E+01
718	490486.72	3860235.12	3.21663	5.02097	4.1386	1.43803	2.45E-01	5.36E+01	4.58E-01	8.22E-02	5.44E+01	2.38E-01	2.26E-04	4.58E-02	1.61E-02	3.00E-01	2.67E-01	5.36E+01	4.58E-01	8.22E-02	5.44E+01
719	490536.72	3860235.12	3.24155	4.96812	4.2556	1.37678	2.47E-01	5.30E+01	4.71E-01	7.87E-02	5.38E+01	2.40E-01	2.24E-04	4.71E-02	1.54E-02	3.03E-01	2.69E-01	5.30E+01	4.71E-01	7.87E-02	5.38E+01
720	490586.72	3860235.12	3.22631	4.9095	4.3168	1.31668	2.46E-01	5.24E+01	4.77E-01	7.53E-02	5.32E+01	2.39E-01	2.21E-04	4.77E-02	1.47E-02	3.02E-01	2.68E-01	5.24E+01	4.77E-01	7.53E-02	5.32E+01
721	490636.72	3860235.12	3.17072	4.8446	4.3163	1.25394	2.42E-01	5.17E+01	4.77E-01	7.17E-02	5.25E+01	2.35E-01	2.18E-04	4.77E-02	1.40E-02	2.97E-01	2.63E-01	5.17E+01	4.77E-01	7.17E-02	5.25E+01
722	490686.72	3860235.12	3.07895	4.7742	4.2617	1.19214	2.35E-01	5.09E+01	4.71E-01	6.82E-02	5.17E+01	2.28E-01	2.15E-04	4.71E-02	1.33E-02	2.89E-01	2.56E-01	5.09E+01	4.71E-01	6.82E-02	5.17E+01
723	490736.72	3860235.12	2.95334	4.69759	4.151	1.12764	2.25E-01	5.01E+01	4.59E-01	6.45E-02	5.09E+01	2.19E-01	2.12E-04	4.59E-02	1.26E-02	2.77E-01	2.45E-01	5.01E+01	4.59E-01	6.45E-02	5.09E+01
724	490786.72	3860235.12	2.85221	4.6157	4.0888	1.06408	2.17E-01	4.93E+01	4.52E-01	6.08E-02	5.00E+01	2.11E-01	2.08E-04	4.52E-02	1.19E-02	2.68E-01	2.37E-01	4.93E+01	4.52E-01	6.08E-02	5.00E+01
725	490086.72	3860285.12	4.725	6.21652	4.4077	1.68849	3.60E-01	6.63E+01	4.87E-01	9.66E-02	6.73E+01	3.50E-01	2.80E-04	4.87E-02	1.89E-02	4.18E-01	3.92E-01	6.63E+01	4.87E-01	9.66E-02	6.73E+01
726	490136.72	3860285.12	4.70377	6.08615	4.1968	1.66959	3.59E-01	6.49E+01	4.64E-01	9.55E-02	6.59E+01	3.48E-01	2.74E-04	4.64E-02	1.87E-02	4.14E-01	3.91E-01	6.50E+01	4.64E-01	9.55E-02	6.59E+01
727	490186.72	3860285.12	4.62651	5.95431	3.9055	1.63734	3.53E-01	6.35E+01	4.32E-01	9.36E-02	6.44E+01	3.43E-01	2.68E-04	4.32E-02	1.83E-02	4.04E-01	3.84E-01	6.35E+01	4.32E-01	9.36E-02	6.45E+01
728	490236.72	3860285.12	4.50356	5.81901	3.8875	1.59475	3.43E-01	6.21E+01	4.30E-01	9.12E-02	6.30E+01	3.33E-01	2.62E-04	4.30E-02	1.79E-02	3.95E-01	3.74E-01	6.21E+01	4.30E-01	9.12E-02	6.30E+01

729	490286.72	3860285.12	4.32841	5.68356	4.0343	1.5432	3.30E-01	6.07E+01	4.46E-01	8.82E-02	6.15E+01	3.20E-01	2.56E-04	4.46E-02	1.73E-02	3.83E-01	3.59E-01	6.07E+01	4.46E-01	8.82E-02	6.15E+01
730	490336.72	3860285.12	4.11568	5.54586	4.1388	1.49677	3.14E-01	5.92E+01	4.58E-01	8.56E-02	6.00E+01	3.05E-01	2.50E-04	4.58E-02	1.68E-02	3.67E-01	3.42E-01	5.92E+01	4.58E-01	8.56E-02	6.01E+01
731	490386.72	3860285.12	3.87546	5.40649	4.2028	1.48726	2.95E-01	5.77E+01	4.65E-01	8.50E-02	5.85E+01	2.87E-01	2.44E-04	4.65E-02	1.66E-02	3.50E-01	3.22E-01	5.77E+01	4.65E-01	8.50E-02	5.86E+01
732	490436.72	3860285.12	3.6081	5.26689	4.219	1.45966	2.75E-01	5.62E+01	4.66E-01	8.35E-02	5.70E+01	2.67E-01	2.37E-04	4.66E-02	1.63E-02	3.30E-01	3.00E-01	5.62E+01	4.66E-01	8.35E-02	5.71E+01
733	490486.72	3860285.12	3.3253	5.12582	4.1941	1.42621	2.53E-01	5.47E+01	4.64E-01	8.16E-02	5.55E+01	2.46E-01	2.31E-04	4.64E-02	1.60E-02	3.09E-01	2.76E-01	5.47E+01	4.64E-01	8.16E-02	5.55E+01
734	490536.72	3860285.12	3.15979	4.98301	4.1272	1.38218	2.41E-01	5.32E+01	4.56E-01	7.90E-02	5.40E+01	2.34E-01	2.25E-04	4.56E-02	1.55E-02	2.95E-01	2.62E-01	5.32E+01	4.56E-01	7.90E-02	5.40E+01
735	490586.72	3860285.12	3.18972	4.90033	4.1717	1.33744	2.43E-01	5.23E+01	4.61E-01	7.65E-02	5.31E+01	2.36E-01	2.21E-04	4.61E-02	1.50E-02	2.97E-01	2.65E-01	5.23E+01	4.61E-01	7.65E-02	5.31E+01
736	490636.72	3860285.12	3.18123	4.84746	4.2352	1.29361	2.42E-01	5.17E+01	4.68E-01	7.40E-02	5.25E+01	2.36E-01	2.19E-04	4.68E-02	1.45E-02	2.97E-01	2.64E-01	5.17E+01	4.68E-01	7.40E-02	5.25E+01
737	490686.72	3860285.12	3.13573	4.78983	4.2477	1.25015	2.39E-01	5.11E+01	4.70E-01	7.15E-02	5.19E+01	2.32E-01	2.16E-04	4.70E-02	1.40E-02	2.93E-01	2.60E-01	5.11E+01	4.70E-01	7.15E-02	5.19E+01
738	490736.72	3860285.12	3.0516	4.72532	4.1998	1.19985	2.33E-01	5.04E+01	4.64E-01	6.86E-02	5.12E+01	2.26E-01	2.13E-04	4.64E-02	1.34E-02	2.86E-01	2.53E-01	5.04E+01	4.64E-01	6.86E-02	5.12E+01
739	490786.72	3860285.12	2.93677	4.65635	4.1074	1.15074	2.24E-01	4.97E+01	4.54E-01	6.58E-02	5.04E+01	2.17E-01	2.10E-04	4.54E-02	1.29E-02	2.76E-01	2.44E-01	4.97E+01	4.54E-01	6.58E-02	5.05E+01
740	490086.72	3860335.12	4.61305	6.4185	4.5068	1.51844	3.52E-01	6.85E+01	4.98E-01	8.68E-02	6.94E+01	3.42E-01	2.89E-04	4.98E-02	1.70E-02	4.09E-01	3.83E-01	6.85E+01	4.98E-01	8.68E-02	6.95E+01
741	490136.72	3860335.12	4.64672	6.28265	4.3765	1.54211	3.54E-01	6.70E+01	4.84E-01	8.82E-02	6.80E+01	3.44E-01	2.83E-04	4.84E-02	1.73E-02	4.10E-01	3.86E-01	6.70E+01	4.84E-01	8.82E-02	6.80E+01
742	490186.72	3860335.12	4.6229	6.14671	4.1471	1.55176	3.52E-01	6.56E+01	4.59E-01	8.87E-02	6.65E+01	3.42E-01	2.77E-04	4.59E-02	1.74E-02	4.06E-01	3.84E-01	6.56E+01	4.59E-01	8.87E-02	6.65E+01
743	490236.72	3860335.12	4.5539	6.00744	3.8664	1.54872	3.47E-01	6.41E+01	4.27E-01	8.86E-02	6.50E+01	3.37E-01	2.71E-04	4.27E-02	1.73E-02	3.97E-01	3.78E-01	6.41E+01	4.27E-01	8.86E-02	6.50E+01
744	490286.72	3860335.12	4.42952	5.86845	3.8926	1.53329	3.38E-01	6.26E+01	4.30E-01	8.77E-02	6.35E+01	3.28E-01	2.65E-04	4.30E-02	1.72E-02	3.88E-01	3.68E-01	6.26E+01	4.30E-01	8.77E-02	6.35E+01
745	490336.72	3860335.12	4.2616	5.72753	4.0335	1.50209	3.25E-01	6.11E+01	4.46E-01	8.59E-02	6.20E+01	3.16E-01	2.58E-04	4.46E-02	1.68E-02	3.77E-01	3.54E-01	6.11E+01	4.46E-01	8.59E-02	6.20E+01
746	490386.72	3860335.12	4.05825	5.58495	4.1352	1.45712	3.09E-01	5.96E+01	4.57E-01	8.33E-02	6.05E+01	3.00E-01	2.52E-04	4.57E-02	1.63E-02	3.63E-01	3.37E-01	5.96E+01	4.57E-01	8.33E-02	6.05E+01
747	490436.72	3860335.12	3.82468	5.44087	4.194	1.4046	2.92E-01	5.81E+01	4.64E-01	8.03E-02	5.89E+01	2.83E-01	2.45E-04	4.64E-02	1.57E-02	3.45E-01	3.18E-01	5.81E+01	4.64E-01	8.03E-02	5.89E+01
748	490486.72	3860335.12	3.56682	5.29434	4.2093	1.34527	2.72E-01	5.65E+01	4.65E-01	7.69E-02	5.73E+01	2.64E-01	2.39E-04	4.65E-02	1.51E-02	3.26E-01	2.96E-01	5.65E+01	4.65E-01	7.69E-02	5.73E+01
749	490536.72	3860335.12	3.29437	5.14951	4.1867	1.30931	2.51E-01	5.50E+01	4.63E-01	7.49E-02	5.57E+01	2.44E-01	2.32E-04	4.63E-02	1.47E-02	3.05E-01	2.74E-01	5.50E+01	4.63E-01	7.49E-02	5.58E+01
750	490586.72	3860335.12	3.10449	5.00259	4.1213	1.2828	2.37E-01	5.34E+01	4.56E-01	7.34E-02	5.42E+01	2.30E-01	2.26E-04	4.56E-02	1.44E-02	2.90E-01	2.58E-01	5.34E+01	4.56E-01	7.34E-02	5.42E+01
751	490636.72	3860335.12	3.14121	4.85905	4.0994	1.2574	2.39E-01	5.19E+01	4.53E-01	7.19E-02	5.26E+01	2.33E-01	2.19E-04	4.53E-02	1.41E-02	2.92E-01	2.61E-01	5.19E+01	4.53E-01	7.19E-02	5.26E+01
752	490686.72	3860335.12	3.13949	4.73559	4.166	1.22914	2.39E-01	5.05E+01	4.61E-01	7.03E-02	5.13E+01	2.32E-01	2.13E-04	4.61E-02	1.38E-02	2.92E-01	2.61E-01	5.05E+01	4.61E-01	7.03E-02	5.13E+01
753	490736.72	3860335.12	3.10025	4.68386	4.1801	1.1975	2.36E-01	5.00E+01	4.62E-01	6.85E-02	5.08E+01	2.30E-01	2.11E-04	4.62E-02	1.34E-02	2.89E-01	2.57E-01	5.00E+01	4.62E-01	6.85E-02	5.08E+01
754	490786.72	3860335.12	3.02895	4.62941	4.1558	1.17045	2.31E-01	4.94E+01	4.59E-01	6.69E-02	5.02E+01	2.24E-01	2.09E-04	4.59E-02	1.31E-02	2.84E-01	2.51E-01	4.94E+01	4.59E-01	6.69E-02	5.02E+01
755	490086.72	3860385.12	4.45728	6.46472	4.5418	1.28693	3.40E-01	6.90E+01	5.02E-01	7.36E-02	6.99E+01	3.30E-01	2.91E-04	5.02E-02	1.44E-02	3.95E-01	3.70E-01	6.90E+01	5.02E-01	7.36E-02	6.99E+01
756	490136.72	3860385.12	4.53996	6.33158	4.4921	1.33797	3.46E-01	6.76E+01	4.97E-01	7.65E-02	6.85E+01	3.36E-01	2.85E-04	4.97E-02	1.50E-02	4.01E-01	3.77E-01	6.76E+01	4.97E-01	7.65E-02	6.85E+01
757	490186.72	3860385.12	4.56433	6.19918	4.3249	1.37459	3.48E-01	6.62E+01	4.78E-01	7.86E-02	6.71E+01	3.38E-01	2.79E-04	4.78E-02	1.54E-02	4.01E-01	3.79E-01	6.62E+01	4.78E-01	7.86E-02	6.71E+01
758	490236.72	3860385.12	4.54538	6.06411	4.0994	1.40242	3.46E-01	6.47E+01	4.53E-01	8.02E-02	6.56E+01	3.37E-01	2.73E-04	4.53E-02	1.57E-02	3.98E-01	3.77E-01	6.47E+01	4.53E-01	8.02E-02	6.56E+01
759	490286.72	3860385.12	4.4739	5.92778	3.8033	1.41271	3.41E-01	6.33E+01	4.20E-01	8.08E-02	6.41E+01	3.31E-01	2.67E-04	4.20E-02	1.58E-02	3.89E-01	3.71E-01	6.33E+01	4.20E-01	8.08E-02	6.41E+01
760	490336.72	3860385.12	4.35652	5.78976	3.8921	1.40988	3.32E-01	6.18E+01	4.30E-01	8.06E-02	6.26E+01	3.23E-01	2.61E-04	4.30E-02	1.58E-02	3.82E-01	3.62E-01	6.18E+01	4.30E-01	8.06E-02	6.27E+01
761	490386.72	3860385.12	4.19648	5.64911	4.0285	1.39395	3.20E-01	6.03E+01	4.45E-01	7.97E-02	6.11E+01	3.11E-01	2.55E-04	4.45E-02	1.56E-02	3.71E-01	3.48E-01	6.03E+01	4.45E-01	7.97E-02	6.12E+01
762	490436.72	3860385.12	4.00067	5.50598	4.1257	1.37043	3.05E-01	5.88E+01	4.56E-01	7.84E-02	5.96E+01	2.96E-01	2.48E-04	4.56E-02	1.53E-02	3.57E-01	3.32E-01	5.88E+01	4.56E-01	7.84E-02	5.96E+01
763	490486.72	3860385.12	3.777	5.36331	4.1839	1.34258	2.88E-01	5.72E+01	4.63E-01	7.68E-02	5.81E+01	2.80E-01	2.42E-04	4.63E-02	1.50E-02	3.41E-01	3.14E-01	5.72E+01	4.63E-01	7.68E-02	5.81E+01
764	490536.72	3860385.12	3.52882	5.21952	4.1995	1.30462	2.69E-01	5.57E+01	4.64E-01	7.46E-02	5.65E+01	2.61E-01	2.35E-04	4.64E-02	1.46E-02	3.23E-01	2.93E-01	5.57E+01	4.64E-01	7.46E-02	5.65E+01
765	490586.72	3860385.12	3.26374	5.07565	4.1753	1.26063	2.49E-01	5.42E+01	4.62E-01	7.21E-02	5.49E+01	2.42E-01	2.29E-04	4.62E-02	1.41E-02	3.02E-01	2.71E-01	5.42E+01	4.62E-01	7.21E-02	5.50E+01
766	490636.72	3860385.12	3.05035	4.93129	4.1126	1.21005	2.33E-01	5.26E+01	4.55E-01	6.92E-02	5.34E+01	2.26E-01	2.22E-04	4.55E-02	1.35E-02	2.85E-01	2.53E-01	5.26E+01	4.55E-01	6.92E-02	5.34E+01
767	490686.72	3860385.12	3.09384	4.7913	4.0316	1.16385	2.36E-01	5.11E+01	4.46E-01	6.66E-02	5.19E+01	2.29E-01	2.16E-04	4.46E-02	1.30E-02	2.87E-01	2.57E-01	5.11E+01	4.46E-01	6.66E-02	5.19E+01
768	490736.72	3860385.12	3.09665	4.65006	4.0945	1.13595	2.36E-01	4.96E+01	4.53E-01	6.50E-02	5.04E+01	2.29E-01	2.10E-04	4.53E-02	1.27E-02	2.87E-01	2.57E-01	4.96E+01	4.53E-01	6.50E-02	5.04E+01
769	490786.72	3860385.12	3.06446	4.52616	4.1135	1.11609	2.34E-01	4.83E+01	4.55E-01	6.38E-02	4.91E+01	2.27E-01	2.04E-04	4.55E-02	1.25E-02	2.85E-01	2.54E-01	4.83E+01	4.55E-01	6.38E-02	4.91E+01
770	490136.72	3860435.12	4.38227	6.19069	4.5215	1.19884	3.34E-01	6.61E+01	5.00E-01	6.86E-02	6.70E+01	3.24E-01	2.79E-04	5.00E-02	1.34E-02	3.88E-01	3.64E-01	6.61E+01	5.00E-01	6.86E-02	6.70E+01
771	490186.72	3860435.12	4.45995	6.06834	4.4481	1.19048	3.40E-01	6.48E+01	4.92E-01	6.81E-02	6.57E+01	3.30E-01	2.74E-04	4.92E-02	1.33E-02	3.93E-01	3.70E-01	6.48E+01	4.92E-01	6.81E-02	6.57E+01
772	490236.72	3860435.12	4.4879	5.94562	4.282	1.20756	3.42E-01	6.34E+01	4.73E-01	6.91E-02	6.43E+01	3.32E-01	2.68E-04	4.73E-02	1.35E-02	3.93E-01	3.73E-01	6.35E+01	4.73E-01	6.91E-02	6.44E+01
773	490286.72	3860435.12	4.46654	5.82135	4.0419	1.23613	3.40E-01	6.21E+01	4.47E-01	7.07E-02	6.30E+01	3.31E-01	2.62E-04	4.47E-02	1.38E-02	3.89E-01	3.71E-01	6.21E+01	4.47E-01	7.07E-02	6.30E+01
774	490336.72	3860435.12	4.39614	5.6927	3.7417	1.25124	3.35E-01	6.08E+01	4.14E-01	7.16E-02	6.16E+01	3.25E-01	2.57E-04	4.14E-02	1.40E-02	3.81E-01	3.65E-01	6.08E+01	4.14E-01	7.16E-02	6.16E+01
775	490386.72	3860435.12	4.28498	5.56317	3.887	1.26276	3.27E-01	5.94E+01	4.30E-01	7.22E-02	6.02E+01	3.17E-01	2.51E-04	4.30E-02	1.41E-02	3.75E-01	3.56E-01	5.94E+01	4.30E-01	7.22E-02	6.02E+01
776	490436.72	3860435.12	4.13259	5.43138	4.0192	1.26387	3.15E-01	5.80E+01	4.44E-01	7.23E-02	5.88E+01	3.06E-01	2.45E-04	4.44E-02	1.41E-02	3.65E-01	3.43E-01	5.80E+01	4.44E-01	7.23E-02	5.88E+01
777	490486.72	3860435.12	3.94468	5.29824	4.1129	1.25658	3.01E-01	5.65E+01	4.55E-01	7.19E-02	5.74E+01	2.92E-01	2.39E-04	4.55E-02	1.41E-02	3.52E-01	3.27E-01	5.65E+01	4.55E-01	7.19E-02	5.74E+01
778	490536.72	3860435.12	3.72879	5.16542	4.1687	1.24486	2.84E-01	5.51E+01	4.61E-01	7.12E-02	5.59E+01	2.76E-01	2.33E-04	4.61E-02	1.39E-02	3.36E-01	3.10E-01	5.51E+01	4.61E-01	7.12E-02	5.60E+01
779	490586.72	3860435.12	3.48778	5.03	4.1822	1.22147	2.66E-01	5.37E+01	4.62E-01	6.98E-02	5.45E+01	2.58E-01	2.27E-04	4.62E-02	1.37E-02	3.18E-01	2.90E-01	5.37E+01	4.62E-01	6.98E-02	5.45E+01
780	490636.72	3860435.12	3.23012	4.89386	4.1569	1.1912	2.46E-01	5.22E+01	4.60E-01	6.81E-02	5.30E+01	2.39E-01	2.21E-04	4.60E-02	1.33E-02	2.99E-01	2.68E-01	5.22E+01	4.60E-01	6.81E-02	5.30E+01
781	490686.72	3860435.12	2.99571	4.76043	4.099	1.16066	2.28E-01	5.08E+01	4.53E-01	6.64E-02	5.15E+01	2.22E-01	2.15E-04	4.53E-02	1.30E-02	2.80E-01	2.49E-01	5.08E+01	4.53E-01	6.64E-02	5.16E+01
782	490736.72	3860435.12	3.04506	4.63005	4.0111	1.12962	2.32E-01	4.94E+01	4.43E-01	6.46E-02	5.02E+01	2.25E-01	2.09E-04	4.43E-02	1.26E-02	2.83E-01	2.53E-01	4.94E+01	4.43E-01	6.46E-02	5.02E+01
783	490786.72	3860435.12	3.05462	4.49698	4.0269	1.08816	2.33E-01	4.80E+01	4.45E-01	6.22E-02	4.87E+01	2.26E-01	2.03E-04	4.45E-02	1.22E-02	2.83E-01	2.54E-01	4.80E+01	4.45E-01	6.22E-02	4.88E+01
784	490136.72	3860485.12	4.1965	5.86858	4.5135	1.21738	3.20E-01	6.26E+01	4.99E-01	6.96E-02	6.35E+01	3.11E-01	2.65E-04	4.99E-02	1.36E-02	3.74E-01	3.48E-01	6.26E+01	4.99E-01	6.96E-02	6.35E+01
785	490186.72	3860485.12	4.31208	5.76194	4.505	1.2087	3.29E-01	6.15E+01	4.98E-01	6.91E-02	6.24E+01	3.19E-01	2.60E-04	4.98E-02	1.35E-02	3.83E-01	3.58E-01	6.15E+01	4.98E-01	6.91E-02	6.24E+01
786	490236.72	3860485.12	4.38168	5.65441	4.4004	1.1983	3.34E-01	6.03E+01	4.87E-01	6.85E-02	6.12E+01	3.24E-01	2.55E-04	4.87E-02	1.34E-02	3.87E-01	3.64E-01	6.03E+01	4.87E-01	6.85E-02	6.13E+01
787	490286.72	3860485.12	4.41079	5.54907	4.23	1.18795	3.36E-01	5.92E+01	4.68E-01	6.79E-02	6.01E+01	3.27E-01	2.50E-04	4.68E-02	1.33E-02	3.87E-01	3.66E-01	5.92E+01	4.68E-01	6.79E-02	6.01E+01
788	490336.72	3860485.12	4.38868	5.43925	3.9813	1.17535	3.35E-01	5.80E+01	4.40E-01	6.72E-02	5.89E+01	3.25E-01	2.45E-04	4.40E-02	1.32E-02	3.82E-01	3.64E-01	5.80E+01	4.40E-01	6.72E-02	5.89E+01
789	490386.72	3860485.12	4.32579	5.32987	3.7194	1.16275	3.30E-01	5.69E+01	4.11E-01	6.65E-02	5.77E+01	3.20E-01	2.40E-04	4.11E-02	1.30E-02	3.75E-01	3.59E-01	5.69E+01	4.11E-01	6.65E-02	5.77E+01

790	490436.72	3860485.12	4.22352	5.22032	3.8863	1.15014	3.22E-01	5.57E+01	4.30E-01	6.58E-02	5.65E+01	3.13E-01	2.35E-04	4.30E-02	1.29E-02	3.69E-01	3.51E-01	5.57E+01	4.30E-01	6.58E-02	5.66E+01
791	490486.72	3860485.12	4.07448	5.10367	4.0109	1.13926	3.11E-01	5.45E+01	4.43E-01	6.51E-02	5.53E+01	3.02E-01	2.30E-04	4.43E-02	1.28E-02	3.59E-01	3.38E-01	5.45E+01	4.43E-01	6.51E-02	5.53E+01
792	490536.72	3860485.12	3.89056	4.98434	4.0978	1.13655	2.97E-01	5.32E+01	4.53E-01	6.50E-02	5.40E+01	2.88E-01	2.25E-04	4.53E-02	1.27E-02	3.46E-01	3.23E-01	5.32E+01	4.53E-01	6.50E-02	5.40E+01
793	490586.72	3860485.12	3.67897	4.86404	4.1475	1.12968	2.80E-01	5.19E+01	4.59E-01	6.46E-02	5.27E+01	2.72E-01	2.19E-04	4.59E-02	1.26E-02	3.31E-01	3.05E-01	5.19E+01	4.59E-01	6.46E-02	5.27E+01
794	490636.72	3860485.12	3.44821	4.74576	4.1631	1.12299	2.63E-01	5.06E+01	4.60E-01	6.42E-02	5.14E+01	2.55E-01	2.14E-04	4.60E-02	1.26E-02	3.14E-01	2.86E-01	5.06E+01	4.60E-01	6.42E-02	5.15E+01
795	490686.72	3860485.12	3.1978	4.62294	4.1377	1.1043	2.44E-01	4.93E+01	4.57E-01	6.31E-02	5.01E+01	2.37E-01	2.08E-04	4.57E-02	1.24E-02	2.95E-01	2.65E-01	4.93E+01	4.57E-01	6.31E-02	5.01E+01
796	490736.72	3860485.12	2.94183	4.50401	4.0825	1.08757	2.24E-01	4.81E+01	4.51E-01	6.22E-02	4.88E+01	2.18E-01	2.03E-04	4.51E-02	1.22E-02	2.75E-01	2.44E-01	4.81E+01	4.51E-01	6.22E-02	4.88E+01
797	490786.72	3860485.12	2.99419	4.38447	3.9951	1.06517	2.28E-01	4.68E+01	4.42E-01	6.09E-02	4.75E+01	2.22E-01	1.98E-04	4.42E-02	1.19E-02	2.78E-01	2.49E-01	4.68E+01	4.42E-01	6.09E-02	4.75E+01
798	490136.72	3860535.12	3.97712	5.39149	4.434	1.23436	3.03E-01	5.75E+01	4.90E-01	7.06E-02	5.84E+01	2.94E-01	2.43E-04	4.90E-02	1.38E-02	3.58E-01	3.30E-01	5.75E+01	4.90E-01	7.06E-02	5.84E+01
799	490186.72	3860535.12	4.13764	5.30607	4.5295	1.2288	3.15E-01	5.66E+01	5.01E-01	7.03E-02	5.75E+01	3.06E-01	2.39E-04	5.01E-02	1.38E-02	3.70E-01	3.44E-01	5.66E+01	5.01E-01	7.03E-02	5.75E+01
800	490236.72	3860535.12	4.2385	5.21771	4.4691	1.21663	3.23E-01	5.57E+01	4.94E-01	6.96E-02	5.66E+01	3.14E-01	2.35E-04	4.94E-02	1.36E-02	3.77E-01	3.52E-01	5.57E+01	4.94E-01	6.96E-02	5.66E+01
801	490286.72	3860535.12	4.30577	5.13198	4.3515	1.20549	3.28E-01	5.48E+01	4.81E-01	6.89E-02	5.56E+01	3.19E-01	2.31E-04	4.81E-02	1.35E-02	3.81E-01	3.57E-01	5.48E+01	4.81E-01	6.89E-02	5.57E+01
802	490336.72	3860535.12	4.33398	5.04863	4.1724	1.19462	3.30E-01	5.39E+01	4.61E-01	6.83E-02	5.47E+01	3.21E-01	2.28E-04	4.61E-02	1.34E-02	3.81E-01	3.60E-01	5.39E+01	4.61E-01	6.83E-02	5.48E+01
803	490386.72	3860535.12	4.32095	4.9658	3.9402	1.18373	3.29E-01	5.30E+01	4.36E-01	6.77E-02	5.38E+01	3.20E-01	2.24E-04	4.36E-02	1.33E-02	3.77E-01	3.59E-01	5.30E+01	4.36E-01	6.77E-02	5.39E+01
804	490436.72	3860535.12	4.26324	4.87955	3.7227	1.1716	3.25E-01	5.21E+01	4.12E-01	6.70E-02	5.29E+01	3.16E-01	2.20E-04	4.12E-02	1.31E-02	3.70E-01	3.54E-01	5.21E+01	4.12E-01	6.70E-02	5.29E+01
805	490486.72	3860535.12	4.16172	4.78893	3.8803	1.15802	3.17E-01	5.11E+01	4.29E-01	6.62E-02	5.19E+01	3.08E-01	2.16E-04	4.29E-02	1.30E-02	3.64E-01	3.46E-01	5.11E+01	4.29E-01	6.62E-02	5.19E+01
806	490536.72	3860535.12	4.03352	4.70203	4.016	1.14688	3.07E-01	5.02E+01	4.44E-01	6.56E-02	5.10E+01	2.99E-01	2.12E-04	4.44E-02	1.28E-02	3.56E-01	3.35E-01	5.02E+01	4.44E-01	6.56E-02	5.10E+01
807	490586.72	3860535.12	3.8399	4.59206	4.0823	1.12617	2.93E-01	4.90E+01	4.51E-01	6.44E-02	4.98E+01	2.84E-01	2.07E-04	4.51E-02	1.26E-02	3.42E-01	3.19E-01	4.90E+01	4.51E-01	6.44E-02	4.98E+01
808	490636.72	3860535.12	3.63453	4.48965	4.1289	1.10955	2.77E-01	4.79E+01	4.56E-01	6.34E-02	4.87E+01	2.69E-01	2.02E-04	4.56E-02	1.24E-02	3.27E-01	3.02E-01	4.79E+01	4.56E-01	6.34E-02	4.87E+01
809	490686.72	3860535.12	3.40992	4.38807	4.1423	1.09335	2.60E-01	4.68E+01	4.58E-01	6.25E-02	4.76E+01	2.52E-01	1.98E-04	4.58E-02	1.22E-02	3.11E-01	2.83E-01	4.68E+01	4.58E-01	6.25E-02	4.76E+01
810	490736.72	3860535.12	3.16691	4.28234	4.1177	1.07613	2.41E-01	4.57E+01	4.55E-01	6.15E-02	4.65E+01	2.34E-01	1.93E-04	4.55E-02	1.20E-02	2.92E-01	2.63E-01	4.57E+01	4.55E-01	6.15E-02	4.65E+01
811	490786.72	3860535.12	2.9169	4.17958	4.0644	1.05968	2.22E-01	4.46E+01	4.49E-01	6.06E-02	4.53E+01	2.16E-01	1.88E-04	4.49E-02	1.19E-02	2.73E-01	2.42E-01	4.46E+01	4.49E-01	6.06E-02	4.54E+01
812	490136.72	3860585.12	3.74301	4.88348	4.3278	1.25184	2.85E-01	5.21E+01	4.78E-01	7.16E-02	5.30E+01	2.77E-01	2.20E-04	4.78E-02	1.40E-02	3.39E-01	3.11E-01	5.21E+01	4.78E-01	7.16E-02	5.30E+01
813	490186.72	3860585.12	3.89812	4.7298	4.3857	1.23702	2.97E-01	5.05E+01	4.85E-01	7.07E-02	5.13E+01	2.89E-01	2.13E-04	4.85E-02	1.38E-02	3.51E-01	3.24E-01	5.05E+01	4.85E-01	7.07E-02	5.14E+01
814	490236.72	3860585.12	4.0513	4.65562	4.4522	1.23104	3.09E-01	4.97E+01	4.92E-01	7.04E-02	5.06E+01	3.00E-01	2.10E-04	4.92E-02	1.38E-02	3.63E-01	3.36E-01	4.97E+01	4.92E-01	7.04E-02	5.06E+01
815	490286.72	3860585.12	4.16523	4.60182	4.4257	1.223	3.17E-01	4.91E+01	4.89E-01	6.99E-02	5.00E+01	3.08E-01	2.07E-04	4.89E-02	1.37E-02	3.71E-01	3.46E-01	4.91E+01	4.89E-01	6.99E-02	5.00E+01
816	490336.72	3860585.12	4.23408	4.54417	4.3068	1.21249	3.23E-01	4.85E+01	4.76E-01	6.93E-02	4.94E+01	3.13E-01	2.05E-04	4.76E-02	1.36E-02	3.75E-01	3.52E-01	4.85E+01	4.76E-01	6.93E-02	4.94E+01
817	490386.72	3860585.12	4.26065	4.48486	4.118	1.20098	3.25E-01	4.79E+01	4.55E-01	6.87E-02	4.87E+01	3.15E-01	2.02E-04	4.55E-02	1.34E-02	3.75E-01	3.54E-01	4.79E+01	4.55E-01	6.87E-02	4.87E+01
818	490436.72	3860585.12	4.26162	4.43382	3.9141	1.19355	3.25E-01	4.73E+01	4.33E-01	6.83E-02	4.81E+01	3.16E-01	2.00E-04	4.33E-02	1.34E-02	3.72E-01	3.54E-01	4.73E+01	4.33E-01	6.83E-02	4.82E+01
819	490486.72	3860585.12	4.21723	4.37518	3.7369	1.18409	3.21E-01	4.67E+01	4.13E-01	6.77E-02	4.75E+01	3.12E-01	1.97E-04	4.13E-02	1.33E-02	3.67E-01	3.50E-01	4.67E+01	4.13E-01	6.77E-02	4.75E+01
820	490536.72	3860585.12	4.11288	4.30526	3.8826	1.16881	3.13E-01	4.59E+01	4.29E-01	6.68E-02	4.68E+01	3.04E-01	1.94E-04	4.29E-02	1.31E-02	3.61E-01	3.41E-01	4.59E+01	4.29E-01	6.68E-02	4.68E+01
821	490586.72	3860585.12	3.95226	4.21632	3.9749	1.14697	3.01E-01	4.50E+01	4.39E-01	6.56E-02	4.58E+01	2.93E-01	1.90E-04	4.39E-02	1.28E-02	3.50E-01	3.28E-01	4.50E+01	4.39E-01	6.56E-02	4.58E+01
822	490636.72	3860585.12	3.78489	4.14037	4.0585	1.13203	2.88E-01	4.42E+01	4.49E-01	6.47E-02	4.50E+01	2.80E-01	1.87E-04	4.49E-02	1.27E-02	3.38E-01	3.14E-01	4.42E+01	4.49E-01	6.47E-02	4.50E+01
823	490686.72	3860585.12	3.5886	4.05994	4.1054	1.1163	2.74E-01	4.33E+01	4.54E-01	6.38E-02	4.41E+01	2.66E-01	1.83E-04	4.54E-02	1.25E-02	3.24E-01	2.98E-01	4.33E+01	4.54E-01	6.38E-02	4.41E+01
824	490736.72	3860585.12	3.37088	3.977	4.1177	1.10038	2.57E-01	4.24E+01	4.55E-01	6.29E-02	4.32E+01	2.50E-01	1.79E-04	4.55E-02	1.23E-02	3.08E-01	2.80E-01	4.24E+01	4.55E-01	6.29E-02	4.32E+01
825	490786.72	3860585.12	3.13508	3.88978	4.094	1.08323	2.39E-01	4.15E+01	4.53E-01	6.19E-02	4.23E+01	2.32E-01	1.75E-04	4.53E-02	1.21E-02	2.90E-01	2.60E-01	4.15E+01	4.53E-01	6.19E-02	4.23E+01
826	490136.72	3860635.12	3.49928	4.62708	4.5065	1.2669	2.67E-01	4.94E+01	4.98E-01	7.24E-02	5.02E+01	2.59E-01	2.09E-04	4.98E-02	1.42E-02	3.23E-01	2.91E-01	4.94E+01	4.98E-01	7.24E-02	5.02E+01
827	490186.72	3860635.12	3.68618	4.5233	4.34	1.25776	2.81E-01	4.83E+01	4.80E-01	7.19E-02	4.91E+01	2.73E-01	2.04E-04	4.80E-02	1.41E-02	3.35E-01	3.06E-01	4.83E+01	4.80E-01	7.19E-02	4.91E+01
828	490236.72	3860635.12	3.84445	4.40678	4.4022	1.24555	2.93E-01	4.70E+01	4.87E-01	7.12E-02	4.79E+01	2.85E-01	1.99E-04	4.87E-02	1.39E-02	3.47E-01	3.19E-01	4.70E+01	4.87E-01	7.12E-02	4.79E+01
829	490286.72	3860635.12	3.98444	4.29998	4.4247	1.23663	3.04E-01	4.59E+01	4.89E-01	7.07E-02	4.68E+01	2.95E-01	1.94E-04	4.89E-02	1.38E-02	3.58E-01	3.31E-01	4.59E+01	4.89E-01	7.07E-02	4.68E+01
830	490336.72	3860635.12	4.09393	4.19818	4.3803	1.22816	3.12E-01	4.48E+01	4.84E-01	7.02E-02	4.57E+01	3.03E-01	1.89E-04	4.84E-02	1.37E-02	3.65E-01	3.40E-01	4.48E+01	4.84E-01	7.02E-02	4.57E+01
831	490386.72	3860635.12	4.16376	4.09747	4.2589	1.2184	3.17E-01	4.37E+01	4.71E-01	6.97E-02	4.46E+01	3.08E-01	1.85E-04	4.71E-02	1.36E-02	3.69E-01	3.46E-01	4.37E+01	4.71E-01	6.97E-02	4.46E+01
832	490436.72	3860635.12	4.19015	4.05427	4.0652	1.20686	3.19E-01	4.33E+01	4.49E-01	6.90E-02	4.41E+01	3.10E-01	1.83E-04	4.49E-02	1.35E-02	3.69E-01	3.48E-01	4.33E+01	4.49E-01	6.90E-02	4.41E+01
833	490486.72	3860635.12	4.17823	4.03419	3.8258	1.19538	3.18E-01	4.31E+01	4.23E-01	6.84E-02	4.39E+01	3.09E-01	1.82E-04	4.23E-02	1.34E-02	3.65E-01	3.47E-01	4.31E+01	4.23E-01	6.84E-02	4.39E+01
834	490536.72	3860635.12	4.13111	4.01476	3.7082	1.18476	3.15E-01	4.28E+01	4.10E-01	6.77E-02	4.36E+01	3.06E-01	1.81E-04	4.10E-02	1.33E-02	3.60E-01	3.43E-01	4.28E+01	4.10E-01	6.77E-02	4.37E+01
835	490586.72	3860635.12	4.02823	3.98611	3.8451	1.16846	3.07E-01	4.25E+01	4.25E-01	6.68E-02	4.33E+01	2.98E-01	1.80E-04	4.25E-02	1.31E-02	3.54E-01	3.34E-01	4.25E+01	4.25E-01	6.68E-02	4.34E+01
836	490636.72	3860635.12	3.89965	3.95832	3.9597	1.15446	2.97E-01	4.22E+01	4.38E-01	6.60E-02	4.30E+01	2.89E-01	1.78E-04	4.38E-02	1.29E-02	3.46E-01	3.24E-01	4.22E+01	4.38E-01	6.60E-02	4.31E+01
837	490686.72	3860635.12	3.73628	3.92579	4.0383	1.13924	2.85E-01	4.19E+01	4.46E-01	6.51E-02	4.27E+01	2.77E-01	1.77E-04	4.46E-02	1.28E-02	3.34E-01	3.10E-01	4.19E+01	4.46E-01	6.51E-02	4.27E+01
838	490736.72	3860635.12	3.5424	3.8874	4.0788	1.12246	2.70E-01	4.15E+01	4.51E-01	6.42E-02	4.23E+01	2.62E-01	1.75E-04	4.51E-02	1.26E-02	3.20E-01	2.94E-01	4.15E+01	4.51E-01	6.42E-02	4.23E+01
839	490786.72	3860635.12	3.33188	3.85265	4.0908	1.10646	2.54E-01	4.11E+01	4.52E-01	6.33E-02	4.19E+01	2.47E-01	1.74E-04	4.52E-02	1.24E-02	3.04E-01	2.77E-01	4.11E+01	4.52E-01	6.33E-02	4.19E+01
840	490136.72	3860685.12	3.22352	4.58583	4.7641	1.28038	2.46E-01	4.89E+01	5.27E-01	7.32E-02	4.98E+01	2.39E-01	2.07E-04	5.27E-02	1.43E-02	3.06E-01	2.68E-01	4.89E+01	5.27E-01	7.32E-02	4.98E+01
841	490186.72	3860685.12	3.45885	4.33206	4.42	1.27131	2.64E-01	4.62E+01	4.89E-01	7.27E-02	4.71E+01	2.56E-01	1.95E-04	4.89E-02	1.42E-02	3.19E-01	2.87E-01	4.62E+01	4.89E-01	7.27E-02	4.71E+01
842	490236.72	3860685.12	3.63381	4.16963	4.3571	1.26249	2.77E-01	4.45E+01	4.82E-01	7.22E-02	4.53E+01	2.69E-01	1.88E-04	4.82E-02	1.41E-02	3.32E-01	3.02E-01	4.45E+01	4.82E-01	7.22E-02	4.54E+01
843	490286.72	3860685.12	3.77595	4.10468	4.3665	1.24664	2.88E-01	4.38E+01	4.83E-01	7.13E-02	4.46E+01	2.80E-01	1.85E-04	4.83E-02	1.40E-02	3.42E-01	3.13E-01	4.38E+01	4.83E-01	7.13E-02	4.47E+01
844	490336.72	3860685.12	3.92255	4.07156	4.4029	1.24172	2.99E-01	4.35E+01	4.87E-01	7.10E-02	4.43E+01	2.90E-01	1.84E-04	4.87E-02	1.39E-02	3.53E-01	3.26E-01	4.35E+01	4.87E-01	7.10E-02	4.43E+01
845	490386.72	3860685.12	4.02839	4.04139	4.3438	1.23328	3.07E-01	4.31E+01	4.80E-01	7.05E-02	4.40E+01	2.98E-01	1.82E-04	4.80E-02	1.38E-02	3.60E-01	3.34E-01	4.31E+01	4.80E-01	7.05E-02	4.40E+01
846	490436.72	3860685.12	4.09059	4.01286	4.1982	1.2218	3.12E-01	4.28E+01	4.64E-01	6.99E-02	4.37E+01	3.03E-01	1.81E-04	4.64E-02	1.37E-02	3.63E-01	3.40E-01	4.28E+01	4.64E-01	6.99E-02	4.37E+01
847	490486.72	3860685.12	4.11354	3.98672	3.9934	1.20944	3.14E-01	4.25E+01	4.42E-01	6.92E-02	4.34E+01	3.05E-01	1.80E-04	4.42E-02	1.35E-02	3.62E-01	3.42E-01	4.25E+01	4.42E-01	6.92E-02	4.34E+01
848	490536.72	3860685.12	4.10356	3.9651	3.7561	1.19839	3.13E-01	4.23E+01	4.15E-01	6.85E-02	4.31E+01	3.04E-01	1.79E-04	4.15E-02	1.34E-02	3.59E-01	3.41E-01	4.23E+01	4.15E-01	6.85E-02	4.31E+01
849	490586.72	3860685.12	4.05331	3.94255	3.6835	1.18624	3.09E-01	4.21E+01	4.07E-01	6.78E-02	4.29E+01	3.00E-01	1.78E-04	4.07E-02	1.33E-02	3.54E-01	3.37E-01	4.21E+01	4.07E-01	6.78E-02	4.29E+01
850	490636.72	3860685.12	3.96728	3.91944	3.8273	1.17396	3.02E-01	4.18E+01	4.23E-01	6.71E-02	4.26E+01	2.94E-01	1.77E-04	4.23E-02	1.31E-02	3.49E-01	3.29E-01	4.18E+01	4.23E-01	6.71E-02	4.26E+01

851	490686.72	3860685.12	3.84694	3.89436	3.941	1.16125	2.93E-01	4.16E+01	4.36E-01	6.64E-02	4.24E+01	2.85E-01	1.76E-04	4.36E-02	1.30E-02	3.42E-01	3.19E-01	4.16E+01	4.36E-01	6.64E-02	4.24E+01
852	490736.72	3860685.12	3.68735	3.86239	4.0149	1.14545	2.81E-01	4.12E+01	4.44E-01	6.55E-02	4.20E+01	2.73E-01	1.74E-04	4.44E-02	1.28E-02	3.30E-01	3.06E-01	4.12E+01	4.44E-01	6.55E-02	4.20E+01
853	490786.72	3860685.12	3.50975	3.83205	4.0651	1.13179	2.68E-01	4.09E+01	4.49E-01	6.47E-02	4.17E+01	2.60E-01	1.73E-04	4.49E-02	1.27E-02	3.18E-01	2.91E-01	4.09E+01	4.49E-01	6.47E-02	4.17E+01
854	490136.72	3860735.12	2.98011	4.81647	4.8995	1.30204	2.27E-01	5.14E+01	5.42E-01	7.45E-02	5.22E+01	2.21E-01	2.17E-04	5.42E-02	1.46E-02	2.90E-01	2.47E-01	5.14E+01	5.42E-01	7.45E-02	5.23E+01
855	490186.72	3860735.12	3.15137	4.55407	4.5252	1.26547	2.40E-01	4.86E+01	5.00E-01	7.24E-02	4.94E+01	2.33E-01	2.05E-04	5.00E-02	1.42E-02	2.98E-01	2.62E-01	4.86E+01	5.00E-01	7.24E-02	4.94E+01
856	490236.72	3860735.12	3.36051	4.30663	4.1157	1.25616	2.56E-01	4.60E+01	4.55E-01	7.18E-02	4.67E+01	2.49E-01	1.94E-04	4.55E-02	1.41E-02	3.09E-01	2.79E-01	4.60E+01	4.55E-01	7.18E-02	4.68E+01
857	490286.72	3860735.12	3.55198	4.12301	4.2719	1.25353	2.71E-01	4.40E+01	4.72E-01	7.17E-02	4.48E+01	2.63E-01	1.86E-04	4.72E-02	1.40E-02	3.24E-01	2.95E-01	4.40E+01	4.72E-01	7.17E-02	4.48E+01
858	490336.72	3860735.12	3.71689	4.06948	4.3495	1.2485	2.83E-01	4.34E+01	4.81E-01	7.14E-02	4.43E+01	2.75E-01	1.83E-04	4.81E-02	1.40E-02	3.37E-01	3.09E-01	4.34E+01	4.81E-01	7.14E-02	4.43E+01
859	490386.72	3860735.12	3.85719	4.0285	4.3637	1.24341	2.94E-01	4.30E+01	4.82E-01	7.11E-02	4.38E+01	2.86E-01	1.82E-04	4.82E-02	1.39E-02	3.48E-01	3.20E-01	4.30E+01	4.82E-01	7.11E-02	4.39E+01
860	490436.72	3860735.12	3.97373	3.99913	4.3298	1.23994	3.03E-01	4.27E+01	4.79E-01	7.09E-02	4.35E+01	2.94E-01	1.80E-04	4.79E-02	1.39E-02	3.56E-01	3.30E-01	4.27E+01	4.79E-01	7.09E-02	4.36E+01
861	490486.72	3860735.12	4.03122	3.96403	4.1665	1.22768	3.07E-01	4.23E+01	4.61E-01	7.02E-02	4.31E+01	2.98E-01	1.79E-04	4.61E-02	1.37E-02	3.58E-01	3.35E-01	4.23E+01	4.61E-01	7.02E-02	4.32E+01
862	490536.72	3860735.12	4.0436	3.92809	3.9335	1.21243	3.08E-01	4.19E+01	4.35E-01	6.93E-02	4.27E+01	2.99E-01	1.77E-04	4.35E-02	1.36E-02	3.57E-01	3.36E-01	4.19E+01	4.35E-01	6.93E-02	4.28E+01
863	490586.72	3860735.12	4.0307	3.90153	3.688	1.20051	3.07E-01	4.16E+01	4.08E-01	6.86E-02	4.24E+01	2.98E-01	1.76E-04	4.08E-02	1.34E-02	3.53E-01	3.35E-01	4.16E+01	4.08E-01	6.86E-02	4.24E+01
864	490636.72	3860735.12	3.98283	3.87733	3.662	1.18869	3.04E-01	4.14E+01	4.05E-01	6.80E-02	4.22E+01	2.95E-01	1.75E-04	4.05E-02	1.33E-02	3.49E-01	3.31E-01	4.14E+01	4.05E-01	6.80E-02	4.22E+01
865	490686.72	3860735.12	3.90561	3.85672	3.8054	1.17816	2.98E-01	4.12E+01	4.21E-01	6.74E-02	4.19E+01	2.89E-01	1.74E-04	4.21E-02	1.32E-02	3.45E-01	3.24E-01	4.12E+01	4.21E-01	6.74E-02	4.20E+01
866	490736.72	3860735.12	3.79328	3.83384	3.9185	1.16646	2.89E-01	4.09E+01	4.33E-01	6.67E-02	4.17E+01	2.81E-01	1.73E-04	4.33E-02	1.31E-02	3.37E-01	3.15E-01	4.09E+01	4.33E-01	6.67E-02	4.17E+01
867	490136.72	3860785.12	2.90181	5.03118	5.0246	1.32268	2.21E-01	5.37E+01	5.56E-01	7.56E-02	5.45E+01	2.15E-01	2.27E-04	5.56E-02	1.48E-02	2.85E-01	2.41E-01	5.37E+01	5.56E-01	7.56E-02	5.46E+01
868	490186.72	3860785.12	2.91885	4.77523	4.7376	1.29015	2.22E-01	5.10E+01	5.24E-01	7.38E-02	5.18E+01	2.16E-01	2.15E-04	5.24E-02	1.44E-02	2.83E-01	2.42E-01	5.10E+01	5.24E-01	7.38E-02	5.18E+01
869	490236.72	3860785.12	3.10008	4.52555	4.3754	1.2565	2.36E-01	4.83E+01	4.84E-01	7.19E-02	4.91E+01	2.30E-01	2.04E-04	4.84E-02	1.41E-02	2.92E-01	2.57E-01	4.83E+01	4.84E-01	7.19E-02	4.91E+01
870	490286.72	3860785.12	3.30503	4.28669	4.1083	1.25063	2.52E-01	4.57E+01	4.54E-01	7.15E-02	4.65E+01	2.45E-01	1.93E-04	4.54E-02	1.40E-02	3.04E-01	2.74E-01	4.57E+01	4.54E-01	7.15E-02	4.65E+01
871	490336.72	3860785.12	3.48981	4.09116	4.2423	1.24891	2.66E-01	4.37E+01	4.69E-01	7.14E-02	4.45E+01	2.58E-01	1.84E-04	4.69E-02	1.40E-02	3.19E-01	2.90E-01	4.37E+01	4.69E-01	7.14E-02	4.45E+01
872	490386.72	3860785.12	3.6592	4.03989	4.3286	1.24832	2.79E-01	4.31E+01	4.79E-01	7.14E-02	4.39E+01	2.71E-01	1.82E-04	4.79E-02	1.40E-02	3.33E-01	3.04E-01	4.31E+01	4.79E-01	7.14E-02	4.40E+01
873	490436.72	3860785.12	3.79128	3.99026	4.3166	1.24258	2.89E-01	4.26E+01	4.77E-01	7.11E-02	4.34E+01	2.81E-01	1.80E-04	4.77E-02	1.39E-02	3.42E-01	3.15E-01	4.26E+01	4.77E-01	7.11E-02	4.34E+01
874	490486.72	3860785.12	3.89962	3.95386	4.2568	1.23806	2.97E-01	4.22E+01	4.71E-01	7.08E-02	4.30E+01	2.89E-01	1.78E-04	4.71E-02	1.39E-02	3.50E-01	3.24E-01	4.22E+01	4.71E-01	7.08E-02	4.31E+01
875	490536.72	3860785.12	3.95758	3.91388	4.0947	1.22717	3.02E-01	4.18E+01	4.53E-01	7.02E-02	4.26E+01	2.93E-01	1.76E-04	4.53E-02	1.37E-02	3.52E-01	3.29E-01	4.18E+01	4.53E-01	7.02E-02	4.26E+01
876	490586.72	3860785.12	3.97154	3.87317	3.8657	1.21304	3.03E-01	4.13E+01	4.27E-01	6.94E-02	4.21E+01	2.94E-01	1.75E-04	4.27E-02	1.36E-02	3.51E-01	3.30E-01	4.13E+01	4.27E-01	6.94E-02	4.22E+01
877	490636.72	3860785.12	3.95995	3.84338	3.6221	1.20174	3.02E-01	4.10E+01	4.00E-01	6.87E-02	4.18E+01	2.93E-01	1.73E-04	4.00E-02	1.35E-02	3.47E-01	3.29E-01	4.10E+01	4.00E-01	6.87E-02	4.18E+01
878	490686.72	3860785.12	3.91775	3.81924	3.6421	1.19115	2.99E-01	4.08E+01	4.03E-01	6.81E-02	4.15E+01	2.90E-01	1.72E-04	4.03E-02	1.33E-02	3.44E-01	3.25E-01	4.08E+01	4.03E-01	6.81E-02	4.16E+01
879	490736.72	3860785.12	3.84511	3.79861	3.7815	1.18121	2.93E-01	4.05E+01	4.18E-01	6.75E-02	4.13E+01	2.85E-01	1.71E-04	4.18E-02	1.32E-02	3.40E-01	3.19E-01	4.05E+01	4.18E-01	6.75E-02	4.13E+01
880	490086.72	3860835.12	2.81624	5.48036	5.2466	1.3711	2.15E-01	5.85E+01	5.80E-01	7.84E-02	5.94E+01	2.08E-01	2.47E-04	5.80E-02	1.53E-02	2.82E-01	2.34E-01	5.85E+01	5.80E-01	7.84E-02	5.94E+01
881	490136.72	3860835.12	2.81382	5.23773	5.145	1.3442	2.14E-01	5.59E+01	5.69E-01	7.69E-02	5.68E+01	2.08E-01	2.36E-04	5.69E-02	1.50E-02	2.80E-01	2.34E-01	5.59E+01	5.69E-01	7.69E-02	5.68E+01
882	490186.72	3860835.12	2.85526	4.98184	4.9136	1.31256	2.18E-01	5.32E+01	5.43E-01	7.51E-02	5.40E+01	2.11E-01	2.25E-04	5.43E-02	1.47E-02	2.81E-01	2.37E-01	5.32E+01	5.43E-01	7.51E-02	5.40E+01
883	490236.72	3860835.12	2.86725	4.73362	4.6058	1.28049	2.19E-01	5.05E+01	5.09E-01	7.32E-02	5.13E+01	2.12E-01	2.13E-04	5.09E-02	1.43E-02	2.78E-01	2.38E-01	5.05E+01	5.09E-01	7.32E-02	5.13E+01
884	490286.72	3860835.12	3.05511	4.49681	4.2459	1.24887	2.33E-01	4.80E+01	4.69E-01	7.14E-02	4.88E+01	2.26E-01	2.03E-04	4.69E-02	1.40E-02	2.87E-01	2.54E-01	4.80E+01	4.69E-01	7.14E-02	4.88E+01
885	490336.72	3860835.12	3.25247	4.26257	4.1015	1.2435	2.48E-01	4.55E+01	4.53E-01	7.11E-02	4.63E+01	2.41E-01	1.92E-04	4.53E-02	1.39E-02	3.00E-01	2.70E-01	4.55E+01	4.53E-01	7.11E-02	4.63E+01
886	490386.72	3860835.12	3.43263	4.06145	4.2196	1.2435	2.62E-01	4.33E+01	4.67E-01	7.11E-02	4.41E+01	2.54E-01	1.83E-04	4.67E-02	1.39E-02	3.15E-01	2.85E-01	4.33E+01	4.67E-01	7.11E-02	4.42E+01
887	490436.72	3860835.12	3.59446	4.00513	4.2814	1.24305	2.74E-01	4.27E+01	4.73E-01	7.11E-02	4.36E+01	2.66E-01	1.81E-04	4.73E-02	1.39E-02	3.28E-01	2.98E-01	4.27E+01	4.73E-01	7.11E-02	4.36E+01
888	490486.72	3860835.12	3.72686	3.955	4.2677	1.23982	2.84E-01	4.22E+01	4.72E-01	7.09E-02	4.30E+01	2.76E-01	1.78E-04	4.72E-02	1.39E-02	3.37E-01	3.09E-01	4.22E+01	4.72E-01	7.09E-02	4.31E+01
889	490536.72	3860835.12	3.82404	3.90875	4.1773	1.23347	2.91E-01	4.17E+01	4.62E-01	7.05E-02	4.25E+01	2.83E-01	1.76E-04	4.62E-02	1.38E-02	3.43E-01	3.17E-01	4.17E+01	4.62E-01	7.05E-02	4.26E+01
890	490586.72	3860835.12	3.88175	3.86467	4.0154	1.22397	2.96E-01	4.12E+01	4.44E-01	7.00E-02	4.21E+01	2.87E-01	1.74E-04	4.44E-02	1.37E-02	3.46E-01	3.22E-01	4.12E+01	4.44E-01	7.00E-02	4.21E+01
891	490636.72	3860835.12	3.90497	3.82594	3.8064	1.21343	2.98E-01	4.08E+01	4.21E-01	6.94E-02	4.16E+01	2.89E-01	1.72E-04	4.21E-02	1.36E-02	3.45E-01	3.24E-01	4.08E+01	4.21E-01	6.94E-02	4.16E+01
892	490686.72	3860835.12	3.89859	3.79605	3.5717	1.20383	2.97E-01	4.05E+01	3.95E-01	6.88E-02	4.13E+01	2.89E-01	1.71E-04	3.95E-02	1.35E-02	3.42E-01	3.24E-01	4.05E+01	3.95E-01	6.88E-02	4.13E+01
893	490736.72	3860835.12	3.86256	3.77258	3.6279	1.19505	2.94E-01	4.03E+01	4.01E-01	6.83E-02	4.10E+01	2.86E-01	1.70E-04	4.01E-02	1.34E-02	3.40E-01	3.21E-01	4.03E+01	4.01E-01	6.83E-02	4.11E+01
894	490086.72	3860885.12	2.9373	5.62685	5.2363	1.38479	2.24E-01	6.00E+01	5.79E-01	7.92E-02	6.09E+01	2.17E-01	2.54E-04	5.79E-02	1.55E-02	2.91E-01	2.44E-01	6.00E+01	5.79E-01	7.92E-02	6.10E+01
895	490136.72	3860885.12	2.7537	5.3928	5.1949	1.35941	2.10E-01	5.76E+01	5.74E-01	7.77E-02	5.84E+01	2.04E-01	2.43E-04	5.74E-02	1.52E-02	2.77E-01	2.29E-01	5.76E+01	5.74E-01	7.77E-02	5.84E+01
896	490186.72	3860885.12	2.7699	5.15522	5.0427	1.33141	2.11E-01	5.50E+01	5.58E-01	7.61E-02	5.59E+01	2.05E-01	2.32E-04	5.58E-02	1.49E-02	2.76E-01	2.30E-01	5.50E+01	5.58E-01	7.61E-02	5.59E+01
897	490236.72	3860885.12	2.81044	4.9203	4.8023	1.30226	2.14E-01	5.25E+01	5.31E-01	7.45E-02	5.33E+01	2.08E-01	2.22E-04	5.31E-02	1.46E-02	2.76E-01	2.33E-01	5.25E+01	5.31E-01	7.45E-02	5.33E+01
898	490286.72	3860885.12	2.82079	4.68669	4.486	1.27175	2.15E-01	5.00E+01	4.96E-01	7.27E-02	5.08E+01	2.09E-01	2.11E-04	4.96E-02	1.42E-02	2.73E-01	2.34E-01	5.00E+01	4.96E-01	7.27E-02	5.08E+01
899	490336.72	3860885.12	3.00839	4.45465	4.1101	1.23975	2.29E-01	4.75E+01	4.54E-01	7.09E-02	4.83E+01	2.23E-01	2.01E-04	4.54E-02	1.39E-02	2.82E-01	2.50E-01	4.75E+01	4.54E-01	7.09E-02	4.83E+01
900	490386.72	3860885.12	3.20449	4.23569	4.0995	1.23551	2.44E-01	4.52E+01	4.53E-01	7.07E-02	4.60E+01	2.37E-01	1.91E-04	4.53E-02	1.38E-02	2.97E-01	2.66E-01	4.52E+01	4.53E-01	7.07E-02	4.60E+01
901	490436.72	3860885.12	3.38403	4.03693	4.2127	1.23861	2.58E-01	4.31E+01	4.66E-01	7.08E-02	4.39E+01	2.51E-01	1.82E-04	4.66E-02	1.39E-02	3.11E-01	2.81E-01	4.31E+01	4.66E-01	7.08E-02	4.39E+01
902	490486.72	3860885.12	3.53803	3.97522	4.2502	1.23817	2.70E-01	4.24E+01	4.70E-01	7.08E-02	4.32E+01	2.62E-01	1.79E-04	4.70E-02	1.39E-02	3.23E-01	2.94E-01	4.24E+01	4.70E-01	7.08E-02	4.33E+01
903	490536.72	3860885.12	3.66308	3.91916	4.2151	1.23485	2.79E-01	4.18E+01	4.66E-01	7.06E-02	4.26E+01	2.71E-01	1.77E-04	4.66E-02	1.38E-02	3.32E-01	3.04E-01	4.18E+01	4.66E-01	7.06E-02	4.27E+01
904	490586.72	3860885.12	3.75527	3.86791	4.1116	1.22889	2.86E-01	4.13E+01	4.55E-01	7.03E-02	4.21E+01	2.78E-01	1.74E-04	4.55E-02	1.38E-02	3.37E-01	3.12E-01	4.13E+01	4.55E-01	7.03E-02	4.21E+01
905	490636.72	3860885.12	3.81346	3.82172	3.9503	1.22091	2.91E-01	4.08E+01	4.37E-01	6.98E-02	4.16E+01	2.82E-01	1.72E-04	4.37E-02	1.37E-02	3.40E-01	3.17E-01	4.08E+01	4.37E-01	6.98E-02	4.16E+01
906	490686.72	3860885.12	3.84092	3.78335	3.7493	1.2126	2.93E-01	4.04E+01	4.15E-01	6.93E-02	4.12E+01	2.84E-01	1.71E-04	4.15E-02	1.36E-02	3.40E-01	3.19E-01	4.04E+01	4.15E-01	6.93E-02	4.12E+01
907	490736.72	3860885.12	3.83531	3.75062	3.5151	1.20375	2.92E-01	4.00E+01	3.89E-01	6.88E-02	4.08E+01	2.84E-01	1.69E-04	3.89E-02	1.35E-02	3.36E-01	3.18E-01	4.00E+01	3.89E-01	6.88E-02	4.08E+01
908	490086.72	3860935.12	3.02498	5.70635	5.1512	1.39026	2.31E-01	6.09E+01	5.70E-01	7.95E-02	6.18E+01	2.24E-01	2.57E-04	5.70E-02	1.56E-02	2.97E-01	2.51E-01	6.09E+01	5.70E-01	7.95E-02	6.18E+01
909	490136.72	3860935.12	2.86534	5.48138	5.1722	1.36725	2.18E-01	5.85E+01	5.72E-01	7.82E-02	5.94E+01	2.12E-01	2.47E-04	5.72E-02	1.53E-02	2.85E-01	2.38E-01	5.85E+01	5.72E-01	7.82E-02	5.94E+01
910	490186.72	3860935.12	2.68488	5.27168	5.1072	1.3443	2.05E-01	5.63E+01	5.65E-01	7.69E-02	5.71E+01	1.99E-01	2.38E-04	5.65E-02	1.50E-02	2.71E-01	2.23E-01	5.63E+01	5.65E-01	7.69E-02	5.71E+01
911	490236.72	3860935.12	2.72782	5.05792	4.9403	1.31883	2.08E-01	5.40E+01	5.46E-01	7.54E-02	5.48E+01	2.02E-01	2.28E-04	5.46E-02	1.48E-02	2.72E-01	2.26E-01	5.40E+01	5.46E-01	7.54E-02	5.48E+01

912	490286.72	3860935.12	2.76679	4.84416	4.69	1.29181	2.11E-01	5.17E+01	5.19E-01	7.39E-02	5.25E+01	2.05E-01	2.18E-04	5.19E-02	1.45E-02	2.71E-01	2.30E-01	5.17E+01	5.19E-01	7.39E-02	5.25E+01
913	490336.72	3860935.12	2.77279	4.62228	4.3591	1.26182	2.11E-01	4.93E+01	4.82E-01	7.22E-02	5.01E+01	2.05E-01	2.08E-04	4.82E-02	1.41E-02	2.68E-01	2.30E-01	4.93E+01	4.82E-01	7.22E-02	5.01E+01
914	490386.72	3860935.12	2.96936	4.41261	3.9959	1.23294	2.26E-01	4.71E+01	4.42E-01	7.05E-02	4.78E+01	2.20E-01	1.99E-04	4.42E-02	1.38E-02	2.78E-01	2.47E-01	4.71E+01	4.42E-01	7.05E-02	4.78E+01
915	490436.72	3860935.12	3.16155	4.20578	4.1042	1.22703	2.41E-01	4.49E+01	4.54E-01	7.02E-02	4.56E+01	2.34E-01	1.90E-04	4.54E-02	1.37E-02	2.93E-01	2.62E-01	4.49E+01	4.54E-01	7.02E-02	4.57E+01
916	490486.72	3860935.12	3.33219	4.00229	4.1903	1.23002	2.54E-01	4.27E+01	4.63E-01	7.03E-02	4.35E+01	2.47E-01	1.80E-04	4.63E-02	1.38E-02	3.07E-01	2.77E-01	4.27E+01	4.63E-01	7.03E-02	4.35E+01
917	490536.72	3860935.12	3.48164	3.94078	4.2134	1.23092	2.65E-01	4.21E+01	4.66E-01	7.04E-02	4.29E+01	2.58E-01	1.78E-04	4.66E-02	1.38E-02	3.18E-01	2.89E-01	4.21E+01	4.66E-01	7.04E-02	4.29E+01
918	490586.72	3860935.12	3.60149	3.88194	4.1633	1.22826	2.75E-01	4.14E+01	4.60E-01	7.02E-02	4.22E+01	2.67E-01	1.75E-04	4.60E-02	1.37E-02	3.27E-01	2.99E-01	4.14E+01	4.60E-01	7.02E-02	4.23E+01
919	490636.72	3860935.12	3.69099	3.82886	4.0528	1.22347	2.81E-01	4.09E+01	4.48E-01	7.00E-02	4.17E+01	2.73E-01	1.73E-04	4.48E-02	1.37E-02	3.32E-01	3.06E-01	4.09E+01	4.48E-01	7.00E-02	4.17E+01
920	490686.72	3860935.12	3.75121	3.7837	3.8948	1.21774	2.86E-01	4.04E+01	4.31E-01	6.96E-02	4.12E+01	2.78E-01	1.71E-04	4.31E-02	1.36E-02	3.35E-01	3.11E-01	4.04E+01	4.31E-01	6.96E-02	4.12E+01
921	490736.72	3860935.12	3.77878	3.74346	3.6933	1.21049	2.88E-01	3.99E+01	4.08E-01	6.92E-02	4.07E+01	2.80E-01	1.69E-04	4.08E-02	1.36E-02	3.34E-01	3.14E-01	3.99E+01	4.08E-01	6.92E-02	4.07E+01
922	490786.72	3860935.12	3.77376	3.70825	3.4596	1.20236	2.88E-01	3.96E+01	3.82E-01	6.88E-02	4.03E+01	2.79E-01	1.67E-04	3.82E-02	1.35E-02	3.31E-01	3.13E-01	3.96E+01	3.82E-01	6.88E-02	4.03E+01
923	490836.72	3860935.12	3.74156	3.68128	3.5816	1.19497	2.85E-01	3.93E+01	3.96E-01	6.83E-02	4.00E+01	2.77E-01	1.66E-04	3.96E-02	1.34E-02	3.30E-01	3.11E-01	3.93E+01	3.96E-01	6.83E-02	4.01E+01
924	490086.72	3860985.12	3.08868	5.75803	5.0334	1.39173	2.35E-01	6.14E+01	5.56E-01	7.96E-02	6.23E+01	2.29E-01	2.60E-04	5.56E-02	1.56E-02	3.00E-01	2.56E-01	6.14E+01	5.56E-01	7.96E-02	6.23E+01
925	490136.72	3860985.12	2.96309	5.55218	5.136	1.3743	2.26E-01	5.93E+01	5.68E-01	7.86E-02	6.01E+01	2.19E-01	2.50E-04	5.68E-02	1.54E-02	2.92E-01	2.46E-01	5.93E+01	5.68E-01	7.86E-02	6.01E+01
926	490186.72	3860985.12	2.80933	5.35813	5.1451	1.35542	2.14E-01	5.72E+01	5.69E-01	7.75E-02	5.80E+01	2.08E-01	2.42E-04	5.69E-02	1.52E-02	2.80E-01	2.33E-01	5.72E+01	5.69E-01	7.75E-02	5.81E+01
927	490236.72	3860985.12	2.62741	5.15123	5.0332	1.33159	2.00E-01	5.50E+01	5.56E-01	7.61E-02	5.58E+01	1.95E-01	2.32E-04	5.56E-02	1.49E-02	2.65E-01	2.18E-01	5.50E+01	5.56E-01	7.61E-02	5.58E+01
928	490286.72	3860985.12	2.68779	4.94997	4.8386	1.30669	2.05E-01	5.28E+01	5.35E-01	7.47E-02	5.36E+01	1.99E-01	2.23E-04	5.35E-02	1.46E-02	2.67E-01	2.23E-01	5.28E+01	5.35E-01	7.47E-02	5.37E+01
929	490336.72	3860985.12	2.7219	4.7496	4.5696	1.2804	2.07E-01	5.07E+01	5.05E-01	7.32E-02	5.15E+01	2.02E-01	2.14E-04	5.05E-02	1.43E-02	2.67E-01	2.26E-01	5.07E+01	5.05E-01	7.32E-02	5.15E+01
930	490386.72	3860985.12	2.72976	4.55162	4.2441	1.25323	2.08E-01	4.86E+01	4.69E-01	7.17E-02	4.93E+01	2.02E-01	2.05E-04	4.69E-02	1.40E-02	2.63E-01	2.27E-01	4.86E+01	4.69E-01	7.17E-02	4.93E+01
931	490436.72	3860985.12	2.93214	4.3603	3.9608	1.22636	2.23E-01	4.65E+01	4.38E-01	7.01E-02	4.73E+01	2.17E-01	1.97E-04	4.38E-02	1.37E-02	2.75E-01	2.43E-01	4.65E+01	4.38E-01	7.01E-02	4.73E+01
932	490486.72	3860985.12	3.11598	4.15969	4.0947	1.21522	2.38E-01	4.44E+01	4.53E-01	6.95E-02	4.52E+01	2.31E-01	1.88E-04	4.53E-02	1.36E-02	2.90E-01	2.59E-01	4.44E+01	4.53E-01	6.95E-02	4.52E+01
933	490536.72	3860985.12	3.28039	3.96037	4.1618	1.21914	2.50E-01	4.23E+01	4.60E-01	6.97E-02	4.30E+01	2.43E-01	1.79E-04	4.60E-02	1.36E-02	3.03E-01	2.72E-01	4.23E+01	4.60E-01	6.97E-02	4.31E+01
934	490586.72	3860985.12	3.42319	3.89671	4.1662	1.2206	2.61E-01	4.16E+01	4.61E-01	6.98E-02	4.24E+01	2.53E-01	1.76E-04	4.61E-02	1.37E-02	3.13E-01	2.84E-01	4.16E+01	4.61E-01	6.98E-02	4.24E+01
935	490636.72	3860985.12	3.5434	3.84326	4.1154	1.22068	2.70E-01	4.10E+01	4.55E-01	6.98E-02	4.18E+01	2.62E-01	1.73E-04	4.55E-02	1.37E-02	3.22E-01	2.94E-01	4.10E+01	4.55E-01	6.98E-02	4.18E+01
936	490686.72	3860985.12	3.63137	3.79093	4.0004	1.2175	2.77E-01	4.05E+01	4.42E-01	6.96E-02	4.12E+01	2.69E-01	1.71E-04	4.42E-02	1.36E-02	3.27E-01	3.01E-01	4.05E+01	4.42E-01	6.96E-02	4.13E+01
937	490736.72	3860985.12	3.68904	3.74369	3.8364	1.21248	2.81E-01	4.00E+01	4.24E-01	6.93E-02	4.07E+01	2.73E-01	1.69E-04	4.24E-02	1.36E-02	3.29E-01	3.06E-01	4.00E+01	4.24E-01	6.93E-02	4.08E+01
938	490786.72	3860985.12	3.71821	3.7043	3.6377	1.20695	2.83E-01	3.95E+01	4.02E-01	6.90E-02	4.03E+01	2.75E-01	1.67E-04	4.02E-02	1.35E-02	3.29E-01	3.09E-01	3.95E+01	4.02E-01	6.90E-02	4.03E+01
939	490836.72	3860985.12	3.71827	3.67195	3.4168	1.20116	2.83E-01	3.92E+01	3.78E-01	6.87E-02	3.99E+01	2.75E-01	1.66E-04	3.78E-02	1.34E-02	3.27E-01	3.09E-01	3.92E+01	3.78E-01	6.87E-02	3.99E+01
940	490086.72	3861035.12	3.12222	5.78298	4.8699	1.38696	2.38E-01	6.17E+01	5.38E-01	7.93E-02	6.26E+01	2.31E-01	2.61E-04	5.38E-02	1.55E-02	3.01E-01	2.59E-01	6.17E+01	5.38E-01	7.93E-02	6.26E+01
941	490136.72	3861035.12	3.03064	5.58767	5.042	1.37468	2.31E-01	5.96E+01	5.57E-01	7.86E-02	6.05E+01	2.24E-01	2.52E-04	5.57E-02	1.54E-02	2.96E-01	2.52E-01	5.96E+01	5.57E-01	7.86E-02	6.05E+01
942	490186.72	3861035.12	2.90251	5.39525	5.1099	1.35868	2.21E-01	5.76E+01	5.65E-01	7.77E-02	5.84E+01	2.15E-01	2.43E-04	5.65E-02	1.52E-02	2.87E-01	2.41E-01	5.76E+01	5.65E-01	7.77E-02	5.85E+01
943	490236.72	3861035.12	2.74682	5.21147	5.0833	1.34062	2.09E-01	5.56E+01	5.62E-01	7.67E-02	5.65E+01	2.03E-01	2.35E-04	5.62E-02	1.50E-02	2.75E-01	2.28E-01	5.56E+01	5.62E-01	7.67E-02	5.65E+01
944	490286.72	3861035.12	2.59217	5.01939	4.9478	1.31831	1.98E-01	5.36E+01	5.47E-01	7.54E-02	5.44E+01	1.92E-01	2.26E-04	5.47E-02	1.48E-02	2.62E-01	2.15E-01	5.36E+01	5.47E-01	7.54E-02	5.44E+01
945	490336.72	3861035.12	2.64813	4.83181	4.733	1.2945	2.02E-01	5.16E+01	5.23E-01	7.40E-02	5.24E+01	1.96E-01	2.18E-04	5.23E-02	1.45E-02	2.63E-01	2.20E-01	5.16E+01	5.23E-01	7.40E-02	5.24E+01
946	490386.72	3861035.12	2.68405	4.65606	4.4655	1.27127	2.05E-01	4.97E+01	4.94E-01	7.27E-02	5.05E+01	1.99E-01	2.10E-04	4.94E-02	1.42E-02	2.63E-01	2.23E-01	4.97E+01	4.94E-01	7.27E-02	5.05E+01
947	490436.72	3861035.12	2.69957	4.47831	4.1425	1.24645	2.06E-01	4.78E+01	4.58E-01	7.13E-02	4.85E+01	2.00E-01	2.02E-04	4.58E-02	1.40E-02	2.60E-01	2.24E-01	4.78E+01	4.58E-01	7.13E-02	4.85E+01
948	490486.72	3861035.12	2.89283	4.29144	3.9647	1.21862	2.20E-01	4.58E+01	4.38E-01	6.97E-02	4.65E+01	2.14E-01	1.93E-04	4.38E-02	1.36E-02	2.72E-01	2.40E-01	4.58E+01	4.38E-01	6.97E-02	4.65E+01
949	490536.72	3861035.12	3.07112	4.10212	4.0809	1.20166	2.34E-01	4.38E+01	4.51E-01	6.87E-02	4.45E+01	2.27E-01	1.85E-04	4.51E-02	1.35E-02	2.86E-01	2.55E-01	4.38E+01	4.51E-01	6.87E-02	4.46E+01
950	490586.72	3861035.12	3.23111	3.91405	4.1343	1.20715	2.46E-01	4.18E+01	4.57E-01	6.90E-02	4.25E+01	2.39E-01	1.76E-04	4.57E-02	1.35E-02	2.99E-01	2.68E-01	4.18E+01	4.57E-01	6.90E-02	4.26E+01
951	490636.72	3861035.12	3.36973	3.85014	4.1264	1.21004	2.57E-01	4.11E+01	4.56E-01	6.92E-02	4.19E+01	2.49E-01	1.74E-04	4.56E-02	1.35E-02	3.09E-01	2.80E-01	4.11E+01	4.56E-01	6.92E-02	4.19E+01
952	490686.72	3861035.12	3.48386	3.79573	4.0605	1.21053	2.66E-01	4.05E+01	4.49E-01	6.92E-02	4.13E+01	2.58E-01	1.71E-04	4.49E-02	1.36E-02	3.17E-01	2.89E-01	4.05E+01	4.49E-01	6.92E-02	4.13E+01
953	490736.72	3861035.12	3.57099	3.74655	3.943	1.20915	2.72E-01	4.00E+01	4.36E-01	6.91E-02	4.08E+01	2.64E-01	1.69E-04	4.36E-02	1.35E-02	3.22E-01	2.96E-01	4.00E+01	4.36E-01	6.91E-02	4.08E+01
954	490786.72	3861035.12	3.63174	3.70495	3.7847	1.20687	2.77E-01	3.95E+01	4.18E-01	6.90E-02	4.03E+01	2.69E-01	1.67E-04	4.18E-02	1.35E-02	3.24E-01	3.02E-01	3.95E+01	4.18E-01	6.90E-02	4.03E+01
955	490836.72	3861035.12	3.66287	3.66811	3.5893	1.20324	2.79E-01	3.91E+01	3.97E-01	6.88E-02	3.99E+01	2.71E-01	1.65E-04	3.97E-02	1.35E-02	3.24E-01	3.04E-01	3.91E+01	3.97E-01	6.88E-02	3.99E+01
956	490086.72	3861085.12	3.12868	5.79548	4.6735	1.37693	2.38E-01	6.18E+01	5.17E-01	7.87E-02	6.27E+01	2.32E-01	2.61E-04	5.17E-02	1.54E-02	2.99E-01	2.60E-01	6.18E+01	5.17E-01	7.87E-02	6.27E+01
957	490136.72	3861085.12	3.07316	5.61248	4.9139	1.37079	2.34E-01	5.99E+01	5.43E-01	7.84E-02	6.08E+01	2.28E-01	2.53E-04	5.43E-02	1.53E-02	2.97E-01	2.55E-01	5.99E+01	5.43E-01	7.84E-02	6.08E+01
958	490186.72	3861085.12	2.98224	5.43832	5.0647	1.36152	2.27E-01	5.80E+01	5.60E-01	7.79E-02	5.89E+01	2.21E-01	2.45E-04	5.60E-02	1.52E-02	2.92E-01	2.48E-01	5.80E+01	5.60E-01	7.79E-02	5.89E+01
959	490236.72	3861085.12	2.84839	5.24961	5.0894	1.34543	2.17E-01	5.60E+01	5.63E-01	7.69E-02	5.69E+01	2.11E-01	2.37E-04	5.63E-02	1.51E-02	2.82E-01	2.36E-01	5.60E+01	5.63E-01	7.69E-02	5.69E+01
960	490286.72	3861085.12	2.68817	5.06805	5.0217	1.32704	2.05E-01	5.41E+01	5.55E-01	7.59E-02	5.49E+01	1.99E-01	2.28E-04	5.55E-02	1.49E-02	2.70E-01	2.23E-01	5.41E+01	5.55E-01	7.59E-02	5.49E+01
961	490336.72	3861085.12	2.56	4.88964	4.8654	1.30624	1.95E-01	5.22E+01	5.38E-01	7.47E-02	5.30E+01	1.90E-01	2.20E-04	5.38E-02	1.46E-02	2.58E-01	2.13E-01	5.22E+01	5.38E-01	7.47E-02	5.30E+01
962	490386.72	3861085.12	2.61746	4.72497	4.6489	1.28567	2.00E-01	5.04E+01	5.14E-01	7.35E-02	5.12E+01	1.94E-01	2.13E-04	5.14E-02	1.44E-02	2.60E-01	2.17E-01	5.04E+01	5.14E-01	7.35E-02	5.12E+01
963	490436.72	3861085.12	2.64639	4.55427	4.3594	1.26208	2.02E-01	4.86E+01	4.82E-01	7.22E-02	4.94E+01	1.96E-01	2.05E-04	4.82E-02	1.41E-02	2.58E-01	2.20E-01	4.86E+01	4.82E-01	7.22E-02	4.94E+01
964	490486.72	3861085.12	2.66357	4.38197	4.0203	1.23675	2.03E-01	4.68E+01	4.44E-01	7.07E-02	4.75E+01	1.97E-01	1.98E-04	4.44E-02	1.38E-02	2.56E-01	2.21E-01	4.68E+01	4.44E-01	7.07E-02	4.75E+01
965	490536.72	3861085.12	2.85463	4.21341	3.965	1.21099	2.18E-01	4.50E+01	4.38E-01	6.92E-02	4.57E+01	2.11E-01	1.90E-04	4.38E-02	1.36E-02	2.69E-01	2.37E-01	4.50E+01	4.38E-01	6.92E-02	4.57E+01
966	490586.72	3861085.12	3.02717	4.03473	4.0637	1.18671	2.31E-01	4.31E+01	4.49E-01	6.79E-02	4.38E+01	2.24E-01	1.82E-04	4.49E-02	1.33E-02	2.83E-01	2.51E-01	4.31E+01	4.49E-01	6.79E-02	4.38E+01
967	490636.72	3861085.12	3.17988	3.85337	4.097	1.19259	2.42E-01	4.11E+01	4.53E-01	6.82E-02	4.19E+01	2.35E-01	1.74E-04	4.53E-02	1.34E-02	2.94E-01	2.64E-01	4.11E+01	4.53E-01	6.82E-02	4.19E+01
968	490686.72	3861085.12	3.31499	3.79199	4.0793	1.19699	2.53E-01	4.05E+01	4.51E-01	6.84E-02	4.12E+01	2.45E-01	1.71E-04	4.51E-02	1.34E-02	3.04E-01	2.75E-01	4.05E+01	4.51E-01	6.84E-02	4.13E+01
969	490736.72	3861085.12	3.42857	3.74529	4.0114	1.19986	2.61E-01	4.00E+01	4.44E-01	6.86E-02	4.07E+01	2.54E-01	1.69E-04	4.44E-02	1.34E-02	3.12E-01	2.85E-01	4.00E+01	4.44E-01	6.86E-02	4.08E+01
970	490786.72	3861085.12	3.51627	3.70234	3.8941	1.20079	2.68E-01	3.95E+01	4.31E-01	6.87E-02	4.03E+01	2.60E-01	1.67E-04	4.31E-02	1.34E-02	3.17E-01	2.92E-01	3.95E+01	4.31E-01	6.87E-02	4.03E+01
971	490836.72	3861085.12	3.57573	3.66269	3.7329	1.19978	2.73E-01	3.91E+01	4.13E-01	6.86E-02	3.98E+01	2.65E-01	1.65E-04	4.13E-02	1.34E-02	3.20E-01	2.97E-01	3.91E+01	4.13E-01	6.86E-02	3.99E+01
972	490086.72	3861135.12	3.10713	5.7984	4.4473	1.36132	2.37E-01	6.19E+01	4.92E-01	7.78E-02	6.27E+01	2.30E-01	2.61E-04	4.92E-02	1.52E-02	2.95E-01	2.58E-01	6.19E+01	4.92E-01	7.78E-02	6.27E+01

973	490136.72	3861135.12	3.08242	5.61373	4.7329	1.35937	2.35E-01	5.99E+01	5.23E-01	7.77E-02	6.07E+01	2.28E-01	2.53E-04	5.23E-02	1.52E-02	2.96E-01	2.56E-01	5.99E+01	5.23E-01	7.77E-02	6.08E+01
974	490186.72	3861135.12	3.02184	5.43996	4.9376	1.35416	2.30E-01	5.81E+01	5.46E-01	7.74E-02	5.89E+01	2.24E-01	2.45E-04	5.46E-02	1.52E-02	2.94E-01	2.51E-01	5.81E+01	5.46E-01	7.74E-02	5.89E+01
975	490236.72	3861135.12	2.92393	5.26817	5.0445	1.34473	2.23E-01	5.62E+01	5.58E-01	7.69E-02	5.71E+01	2.16E-01	2.37E-04	5.58E-02	1.51E-02	2.88E-01	2.43E-01	5.62E+01	5.58E-01	7.69E-02	5.71E+01
976	490286.72	3861135.12	2.79205	5.09688	5.0487	1.33116	2.13E-01	5.44E+01	5.58E-01	7.61E-02	5.52E+01	2.07E-01	2.30E-04	5.58E-02	1.49E-02	2.78E-01	2.32E-01	5.44E+01	5.58E-01	7.61E-02	5.53E+01
977	490336.72	3861135.12	2.63177	4.92657	4.9562	1.31415	2.01E-01	5.26E+01	5.48E-01	7.51E-02	5.34E+01	1.95E-01	2.22E-04	5.48E-02	1.47E-02	2.65E-01	2.18E-01	5.26E+01	5.48E-01	7.51E-02	5.34E+01
978	490386.72	3861135.12	2.53187	4.7657	4.7892	1.29585	1.93E-01	5.09E+01	5.30E-01	7.41E-02	5.17E+01	1.87E-01	2.15E-04	5.30E-02	1.45E-02	2.55E-01	2.10E-01	5.09E+01	5.30E-01	7.41E-02	5.17E+01
979	490436.72	3861135.12	2.58207	4.60369	4.5464	1.27488	1.97E-01	4.91E+01	5.03E-01	7.29E-02	4.99E+01	1.91E-01	2.08E-04	5.03E-02	1.43E-02	2.56E-01	2.14E-01	4.91E+01	5.03E-01	7.29E-02	4.99E+01
980	490486.72	3861135.12	2.6079	4.44485	4.2487	1.25246	1.99E-01	4.74E+01	4.70E-01	7.16E-02	4.82E+01	1.93E-01	2.00E-04	4.70E-02	1.40E-02	2.54E-01	2.17E-01	4.74E+01	4.70E-01	7.16E-02	4.82E+01
981	490536.72	3861135.12	2.63092	4.28515	3.9074	1.22828	2.01E-01	4.57E+01	4.32E-01	7.02E-02	4.64E+01	1.95E-01	1.93E-04	4.32E-02	1.37E-02	2.52E-01	2.18E-01	4.57E+01	4.32E-01	7.02E-02	4.65E+01
982	490586.72	3861135.12	2.81333	4.12115	3.951	1.20191	2.14E-01	4.40E+01	4.37E-01	6.87E-02	4.47E+01	2.08E-01	1.86E-04	4.37E-02	1.35E-02	2.66E-01	2.34E-01	4.40E+01	4.37E-01	6.87E-02	4.47E+01
983	490636.72	3861135.12	2.97986	3.95208	4.0326	1.17344	2.27E-01	4.22E+01	4.46E-01	6.71E-02	4.29E+01	2.21E-01	1.78E-04	4.46E-02	1.31E-02	2.79E-01	2.47E-01	4.22E+01	4.46E-01	6.71E-02	4.29E+01
984	490686.72	3861135.12	3.13307	3.78944	4.0655	1.17789	2.39E-01	4.04E+01	4.49E-01	6.74E-02	4.12E+01	2.32E-01	1.71E-04	4.49E-02	1.32E-02	2.90E-01	2.60E-01	4.04E+01	4.49E-01	6.74E-02	4.12E+01
985	490736.72	3861135.12	3.26771	3.73463	4.0452	1.18487	2.49E-01	3.99E+01	4.47E-01	6.78E-02	4.06E+01	2.42E-01	1.68E-04	4.47E-02	1.33E-02	3.00E-01	2.71E-01	3.99E+01	4.47E-01	6.78E-02	4.06E+01
986	490786.72	3861135.12	3.37894	3.69362	3.9708	1.18933	2.58E-01	3.94E+01	4.39E-01	6.80E-02	4.02E+01	2.50E-01	1.67E-04	4.39E-02	1.33E-02	3.08E-01	2.81E-01	3.94E+01	4.39E-01	6.80E-02	4.02E+01
987	490836.72	3861135.12	3.46372	3.65341	3.8466	1.19123	2.64E-01	3.90E+01	4.25E-01	6.81E-02	3.97E+01	2.56E-01	1.65E-04	4.25E-02	1.33E-02	3.12E-01	2.88E-01	3.90E+01	4.25E-01	6.81E-02	3.98E+01
988	490086.72	3861185.12	3.06054	5.7983	4.2001	1.3407	2.33E-01	6.19E+01	4.64E-01	7.67E-02	6.27E+01	2.27E-01	2.61E-04	4.64E-02	1.50E-02	2.88E-01	2.54E-01	6.19E+01	4.64E-01	7.67E-02	6.27E+01
989	490136.72	3861185.12	3.06114	5.60158	4.5135	1.34142	2.33E-01	5.98E+01	4.99E-01	7.67E-02	6.06E+01	2.27E-01	2.53E-04	4.99E-02	1.50E-02	2.92E-01	2.54E-01	5.98E+01	4.99E-01	7.67E-02	6.06E+01
990	490186.72	3861185.12	3.03021	5.4249	4.7631	1.34006	2.31E-01	5.79E+01	5.27E-01	7.66E-02	5.87E+01	2.24E-01	2.45E-04	5.27E-02	1.50E-02	2.92E-01	2.52E-01	5.79E+01	5.27E-01	7.66E-02	5.87E+01
991	490236.72	3861185.12	2.96424	5.2581	4.9307	1.33547	2.26E-01	5.61E+01	5.45E-01	7.64E-02	5.70E+01	2.19E-01	2.37E-04	5.45E-02	1.49E-02	2.89E-01	2.46E-01	5.61E+01	5.45E-01	7.64E-02	5.70E+01
992	490286.72	3861185.12	2.86708	5.10301	5.0151	1.32848	2.19E-01	5.45E+01	5.54E-01	7.60E-02	5.53E+01	2.12E-01	2.30E-04	5.54E-02	1.49E-02	2.83E-01	2.38E-01	5.45E+01	5.54E-01	7.60E-02	5.53E+01
993	490336.72	3861185.12	2.72815	4.92723	4.9731	1.31365	2.08E-01	5.26E+01	5.50E-01	7.51E-02	5.34E+01	2.02E-01	2.22E-04	5.50E-02	1.47E-02	2.72E-01	2.26E-01	5.26E+01	5.50E-01	7.51E-02	5.34E+01
994	490386.72	3861185.12	2.57117	4.7745	4.8684	1.2993	1.96E-01	5.10E+01	5.38E-01	7.43E-02	5.18E+01	1.90E-01	2.15E-04	5.38E-02	1.45E-02	2.59E-01	2.13E-01	5.10E+01	5.38E-01	7.43E-02	5.18E+01
995	490436.72	3861185.12	2.49881	4.62971	4.6925	1.28342	1.90E-01	4.94E+01	5.19E-01	7.34E-02	5.02E+01	1.85E-01	2.09E-04	5.19E-02	1.44E-02	2.51E-01	2.07E-01	4.94E+01	5.19E-01	7.34E-02	5.02E+01
996	490486.72	3861185.12	2.54574	4.47852	4.4385	1.26371	1.94E-01	4.78E+01	4.91E-01	7.23E-02	4.86E+01	1.88E-01	2.02E-04	4.91E-02	1.41E-02	2.52E-01	2.11E-01	4.78E+01	4.91E-01	7.23E-02	4.86E+01
997	490536.72	3861185.12	2.57449	4.34057	4.1493	1.2446	1.96E-01	4.63E+01	4.59E-01	7.12E-02	4.70E+01	1.91E-01	1.96E-04	4.59E-02	1.39E-02	2.51E-01	2.14E-01	4.63E+01	4.59E-01	7.12E-02	4.71E+01
998	490586.72	3861185.12	2.59921	4.18491	3.8152	1.22003	1.98E-01	4.47E+01	4.22E-01	6.98E-02	4.53E+01	1.92E-01	1.89E-04	4.22E-02	1.37E-02	2.48E-01	2.16E-01	4.47E+01	4.22E-01	6.98E-02	4.54E+01
999	490636.72	3861185.12	2.77164	4.0215	3.931	1.19249	2.11E-01	4.29E+01	4.35E-01	6.82E-02	4.36E+01	2.05E-01	1.81E-04	4.35E-02	1.33E-02	2.62E-01	2.30E-01	4.29E+01	4.35E-01	6.82E-02	4.36E+01
1000	490686.72	3861185.12	2.93684	3.86919	4.0076	1.16612	2.24E-01	4.13E+01	4.43E-01	6.67E-02	4.20E+01	2.17E-01	1.74E-04	4.43E-02	1.31E-02	2.75E-01	2.44E-01	4.13E+01	4.43E-01	6.67E-02	4.20E+01
1001	490736.72	3861185.12	3.09022	3.72379	4.0391	1.16322	2.36E-01	3.97E+01	4.47E-01	6.65E-02	4.05E+01	2.29E-01	1.68E-04	4.47E-02	1.30E-02	2.87E-01	2.57E-01	3.97E+01	4.47E-01	6.65E-02	4.05E+01
1002	490786.72	3861185.12	3.22259	3.67033	4.012	1.17188	2.46E-01	3.92E+01	4.44E-01	6.70E-02	3.99E+01	2.39E-01	1.65E-04	4.44E-02	1.31E-02	2.96E-01	2.68E-01	3.92E+01	4.44E-01	6.70E-02	3.99E+01
1003	490836.72	3861185.12	3.33105	3.63532	3.9304	1.17758	2.54E-01	3.88E+01	4.35E-01	6.73E-02	3.96E+01	2.47E-01	1.64E-04	4.35E-02	1.32E-02	3.03E-01	2.77E-01	3.88E+01	4.35E-01	6.73E-02	3.96E+01
1004	490086.72	3861235.12	2.98945	5.79166	3.9352	1.37011	2.28E-01	6.18E+01	4.35E-01	7.83E-02	6.25E+01	2.21E-01	2.61E-04	4.35E-02	1.53E-02	2.80E-01	2.48E-01	6.18E+01	4.35E-01	7.83E-02	6.26E+01
1005	490136.72	3861235.12	3.02045	5.60096	4.2836	1.32052	2.30E-01	5.98E+01	4.74E-01	7.55E-02	6.06E+01	2.24E-01	2.52E-04	4.74E-02	1.48E-02	2.86E-01	2.51E-01	5.98E+01	4.74E-01	7.55E-02	6.06E+01
1006	490186.72	3861235.12	3.01998	5.42622	4.5774	1.32382	2.30E-01	5.79E+01	5.06E-01	7.57E-02	5.87E+01	2.24E-01	2.45E-04	5.06E-02	1.48E-02	2.89E-01	2.51E-01	5.79E+01	5.06E-01	7.57E-02	5.87E+01
1007	490236.72	3861235.12	2.97982	5.24833	4.7848	1.32182	2.27E-01	5.60E+01	5.29E-01	7.56E-02	5.68E+01	2.21E-01	2.37E-04	5.29E-02	1.48E-02	2.89E-01	2.47E-01	5.60E+01	5.29E-01	7.56E-02	5.69E+01
1008	490386.72	3861235.12	2.66962	4.77122	4.9044	1.29822	2.03E-01	5.09E+01	5.42E-01	7.42E-02	5.17E+01	1.98E-01	2.15E-04	5.42E-02	1.45E-02	2.67E-01	2.22E-01	5.09E+01	5.42E-01	7.42E-02	5.18E+01
1009	490436.72	3861235.12	2.51073	4.62193	4.7732	1.28422	1.91E-01	4.93E+01	5.28E-01	7.34E-02	5.01E+01	1.86E-01	2.08E-04	5.28E-02	1.44E-02	2.53E-01	2.08E-01	4.93E+01	5.28E-01	7.34E-02	5.01E+01
1010	490486.72	3861235.12	2.4591	4.47952	4.5733	1.26826	1.87E-01	4.78E+01	5.06E-01	7.25E-02	4.86E+01	1.82E-01	2.02E-04	5.06E-02	1.42E-02	2.47E-01	2.04E-01	4.78E+01	5.06E-01	7.25E-02	4.86E+01
1011	490536.72	3861235.12	2.51328	4.35986	4.3392	1.25408	1.92E-01	4.65E+01	4.80E-01	7.17E-02	4.73E+01	1.86E-01	1.97E-04	4.80E-02	1.40E-02	2.48E-01	2.09E-01	4.65E+01	4.80E-01	7.17E-02	4.73E+01
1012	490586.72	3861235.12	2.53889	4.22963	4.0425	1.23577	1.94E-01	4.51E+01	4.47E-01	7.07E-02	4.58E+01	1.88E-01	1.91E-04	4.47E-02	1.38E-02	2.47E-01	2.11E-01	4.51E+01	4.47E-01	7.07E-02	4.59E+01
1013	490636.72	3861235.12	2.56028	4.06606	3.7985	1.20849	1.95E-01	4.34E+01	4.20E-01	6.91E-02	4.41E+01	1.90E-01	1.83E-04	4.20E-02	1.35E-02	2.45E-01	2.13E-01	4.34E+01	4.20E-01	6.91E-02	4.41E+01
1014	490686.72	3861235.12	2.73439	3.92566	3.9177	1.18458	2.08E-01	4.19E+01	4.33E-01	6.77E-02	4.26E+01	2.02E-01	1.77E-04	4.33E-02	1.33E-02	2.59E-01	2.27E-01	4.19E+01	4.33E-01	6.77E-02	4.26E+01
1015	490736.72	3861235.12	2.9	3.79133	3.9931	1.16078	2.21E-01	4.05E+01	4.41E-01	6.64E-02	4.12E+01	2.15E-01	1.71E-04	4.41E-02	1.30E-02	2.72E-01	2.41E-01	4.05E+01	4.41E-01	6.64E-02	4.12E+01
1016	490786.72	3861235.12	3.05022	3.65625	4.0153	1.14812	2.32E-01	3.90E+01	4.44E-01	6.57E-02	3.98E+01	2.26E-01	1.65E-04	4.44E-02	1.29E-02	2.83E-01	2.53E-01	3.90E+01	4.44E-01	6.57E-02	3.98E+01
1017	490836.72	3861235.12	3.17819	3.5971	3.9766	1.15756	2.42E-01	3.84E+01	4.40E-01	6.62E-02	3.91E+01	2.35E-01	1.62E-04	4.40E-02	1.30E-02	2.92E-01	2.64E-01	3.84E+01	4.40E-01	6.62E-02	3.92E+01
1018	490086.72	3861285.12	2.90399	5.79454	3.8133	1.42575	2.21E-01	6.18E+01	4.22E-01	8.15E-02	6.26E+01	2.15E-01	2.61E-04	4.22E-02	1.60E-02	2.73E-01	2.41E-01	6.18E+01	4.22E-01	8.15E-02	6.26E+01
1019	490136.72	3861285.12	2.96744	5.62499	4.0586	1.35184	2.26E-01	6.00E+01	4.49E-01	7.73E-02	6.08E+01	2.20E-01	2.54E-04	4.49E-02	1.51E-02	2.80E-01	2.46E-01	6.00E+01	4.49E-01	7.73E-02	6.08E+01
1020	490186.72	3861285.12	2.98765	5.43372	4.3708	1.30364	2.28E-01	5.80E+01	4.83E-01	7.45E-02	5.88E+01	2.21E-01	2.45E-04	4.83E-02	1.46E-02	2.84E-01	2.48E-01	5.80E+01	4.83E-01	7.45E-02	5.88E+01
1021	490236.72	3861285.12	2.97723	5.25694	4.6246	1.30607	2.27E-01	5.61E+01	5.11E-01	7.47E-02	5.69E+01	2.20E-01	2.37E-04	5.11E-02	1.46E-02	2.86E-01	2.47E-01	5.61E+01	5.11E-01	7.47E-02	5.69E+01
1022	490386.72	3861285.12	2.75003	4.77477	4.9109	1.29436	2.10E-01	5.10E+01	5.43E-01	7.40E-02	5.18E+01	2.04E-01	2.15E-04	5.43E-02	1.45E-02	2.73E-01	2.28E-01	5.10E+01	5.43E-01	7.40E-02	5.18E+01
1023	490436.72	3861285.12	2.61777	4.63331	4.846	1.28541	2.00E-01	4.94E+01	5.36E-01	7.35E-02	5.03E+01	1.94E-01	2.09E-04	5.36E-02	1.44E-02	2.62E-01	2.17E-01	4.94E+01	5.36E-01	7.35E-02	5.03E+01
1024	490486.72	3861285.12	2.45826	4.48843	4.6933	1.27213	1.87E-01	4.79E+01	5.19E-01	7.27E-02	4.87E+01	1.82E-01	2.02E-04	5.19E-02	1.42E-02	2.48E-01	2.04E-01	4.79E+01	5.19E-01	7.27E-02	4.87E+01
1025	490536.72	3861285.12	2.43034	4.35478	4.4821	1.25765	1.85E-01	4.65E+01	4.96E-01	7.19E-02	4.72E+01	1.80E-01	1.96E-04	4.96E-02	1.41E-02	2.44E-01	2.02E-01	4.65E+01	4.96E-01	7.19E-02	4.72E+01
1026	490586.72	3861285.12	2.47394	4.22766	4.2195	1.24159	1.89E-01	4.51E+01	4.67E-01	7.10E-02	4.58E+01	1.83E-01	1.91E-04	4.67E-02	1.39E-02	2.44E-01	2.05E-01	4.51E+01	4.67E-01	7.10E-02	4.59E+01
1027	490636.72	3861285.12	2.48609	4.08514	3.8934	1.21999	1.89E-01	4.36E+01	4.30E-01	6.98E-02	4.43E+01	1.84E-01	1.84E-04	4.30E-02	1.37E-02	2.41E-01	2.06E-01	4.36E+01	4.30E-01	6.98E-02	4.43E+01
1028	490686.72	3861285.12	2.52646	3.95568	3.7911	1.19901	1.93E-01	4.22E+01	4.19E-01	6.86E-02	4.29E+01	1.87E-01	1.78E-04	4.19E-02	1.34E-02	2.43E-01	2.10E-01	4.22E+01	4.19E-01	6.86E-02	4.29E+01
1029	490736.72	3861285.12	2.70402	3.83953	3.917	1.17918	2.06E-01	4.10E+01	4.33E-01	6.74E-02	4.17E+01	2.00E-01	1.73E-04	4.33E-02	1.32E-02	2.57E-01	2.24E-01	4.10E+01	4.33E-01	6.74E-02	4.17E+01
1030	490786.72	3861285.12	2.86269	3.70859	3.9731	1.15507	2.18E-01	3.96E+01	4.39E-01	6.61E-02	4.03E+01	2.12E-01	1.67E-04	4.39E-02	1.29E-02	2.69E-01	2.38E-01	3.96E+01	4.39E-01	6.61E-02	4.03E+01
1031	490836.72	3861285.12	3.00321	3.57278	3.9711	1.12922	2.29E-01	3.81E+01	4.39E-01	6.46E-02	3.89E+01	2.22E-01	1.61E-04	4.39E-02	1.26E-02	2.79E-01	2.49E-01	3.81E+01	4.39E-01	6.46E-02	3.89E+01
1032	490061.24	3859716.13	3.76931	5.90662	5.068	0.99741	2.87E-01	6.30E+01	5.60E-01	5.70E-02	6.39E+01	2.79E-01	2.66E-04	5.60E-02	1.12E-02	3.47E-01	3.13E-01	6.30E+01	5.60E-01	5.70E-02	6.40E+01
1033	490111.24	3859716.13	3.71506	5.84855	4.9558	0.99115	2.83E-01	6.24E+01	5.48E-01	5.67E-02	6.33E+01	2.75E-01	2.64E-04	5.48E-02	1.11E-02	3.41E-01	3.08E-01	6.24E+01	5.48E-01	5.67E-02	6.33E+01

1034	490161.24	3859716.13	3.65661	5.79248	5.0013	0.98491	2.79E-01	6.18E+01	5.53E-01	5.63E-02	6.27E+01	2.71E-01	2.61E-04	5.53E-02	1.10E-02	3.37E-01	3.04E-01	6.18E+01	5.53E-01	5.63E-02	6.27E+01
1035	490211.24	3859716.13	3.60586	5.7269	5.0368	0.97849	2.75E-01	6.11E+01	5.57E-01	5.60E-02	6.20E+01	2.67E-01	2.58E-04	5.57E-02	1.10E-02	3.34E-01	2.99E-01	6.11E+01	5.57E-01	5.60E-02	6.20E+01
1036	490061.24	3859766.13	3.74217	5.71596	5.0354	0.98374	2.85E-01	6.10E+01	5.57E-01	5.63E-02	6.19E+01	2.77E-01	2.58E-04	5.57E-02	1.10E-02	3.44E-01	3.11E-01	6.10E+01	5.57E-01	5.63E-02	6.19E+01
1037	490111.24	3859766.13	3.68751	5.67889	5.021	0.97788	2.81E-01	6.06E+01	5.55E-01	5.59E-02	6.15E+01	2.73E-01	2.56E-04	5.55E-02	1.09E-02	3.40E-01	3.06E-01	6.06E+01	5.55E-01	5.59E-02	6.15E+01
1038	490161.24	3859766.13	3.63062	5.63906	4.9018	0.97193	2.77E-01	6.02E+01	5.42E-01	5.56E-02	6.11E+01	2.69E-01	2.54E-04	5.42E-02	1.09E-02	3.34E-01	3.01E-01	6.02E+01	5.42E-01	5.56E-02	6.11E+01
1039	490211.24	3859766.13	3.57572	5.59103	4.8845	0.96614	2.73E-01	5.97E+01	5.40E-01	5.52E-02	6.05E+01	2.65E-01	2.52E-04	5.40E-02	1.08E-02	3.30E-01	2.97E-01	5.97E+01	5.40E-01	5.52E-02	6.06E+01
1040	490061.24	3859816.13	3.71505	5.74405	4.8541	1.07445	2.83E-01	6.13E+01	5.37E-01	6.14E-02	6.22E+01	2.75E-01	2.59E-04	5.37E-02	1.20E-02	3.41E-01	3.08E-01	6.13E+01	5.37E-01	6.14E-02	6.22E+01
1041	490111.24	3859816.13	3.67451	5.6311	4.9431	1.04095	2.80E-01	6.01E+01	5.47E-01	5.95E-02	6.10E+01	2.72E-01	2.54E-04	5.47E-02	1.17E-02	3.39E-01	3.05E-01	6.01E+01	5.47E-01	5.95E-02	6.10E+01
1042	490161.24	3859816.13	3.60196	5.53503	4.9432	1.0103	2.75E-01	5.91E+01	5.47E-01	5.78E-02	5.99E+01	2.67E-01	2.50E-04	5.47E-02	1.13E-02	3.33E-01	2.99E-01	5.91E+01	5.47E-01	5.78E-02	6.00E+01
1043	490211.24	3859816.13	3.54966	5.43311	4.8498	0.98178	2.71E-01	5.80E+01	5.36E-01	5.61E-02	5.88E+01	2.63E-01	2.45E-04	5.36E-02	1.10E-02	3.28E-01	2.95E-01	5.80E+01	5.36E-01	5.61E-02	5.89E+01
1044	490061.24	3859866.13	3.67131	5.82581	4.5579	1.4011	2.80E-01	6.22E+01	5.04E-01	8.01E-02	6.30E+01	2.72E-01	2.63E-04	5.04E-02	1.57E-02	3.38E-01	3.05E-01	6.22E+01	5.04E-01	8.01E-02	6.31E+01
1045	490111.24	3859866.13	3.65221	5.70524	4.7567	1.34886	2.78E-01	6.09E+01	5.26E-01	7.71E-02	6.18E+01	2.70E-01	2.57E-04	5.26E-02	1.51E-02	3.38E-01	3.03E-01	6.09E+01	5.26E-01	7.71E-02	6.18E+01
1046	490161.24	3859866.13	3.62509	5.58235	4.8679	1.29967	2.76E-01	5.96E+01	5.38E-01	7.43E-02	6.05E+01	2.68E-01	2.52E-04	5.38E-02	1.45E-02	3.37E-01	3.01E-01	5.96E+01	5.38E-01	7.43E-02	6.05E+01
1047	490211.24	3859866.13	3.54764	5.4579	4.8848	1.25301	2.70E-01	5.82E+01	5.40E-01	7.17E-02	5.91E+01	2.63E-01	2.46E-04	5.40E-02	1.40E-02	3.31E-01	2.95E-01	5.82E+01	5.40E-01	7.17E-02	5.92E+01
1048	490061.24	3859916.13	3.95753	5.95073	4.1763	1.67197	3.02E-01	6.35E+01	4.62E-01	9.56E-02	6.44E+01	2.93E-01	2.68E-04	4.62E-02	1.87E-02	3.58E-01	3.29E-01	6.35E+01	4.62E-01	9.56E-02	6.44E+01
1049	490111.24	3859916.13	3.60637	5.84667	4.4677	1.61366	2.75E-01	6.24E+01	4.94E-01	9.23E-02	6.33E+01	2.67E-01	2.64E-04	4.94E-02	1.81E-02	3.35E-01	2.99E-01	6.24E+01	4.94E-01	9.23E-02	6.33E+01
1050	490161.24	3859916.13	3.59182	5.73855	4.67	1.55671	2.74E-01	6.12E+01	5.16E-01	8.90E-02	6.21E+01	2.66E-01	2.59E-04	5.16E-02	1.74E-02	3.35E-01	2.98E-01	6.12E+01	5.16E-01	8.90E-02	6.21E+01
1051	490211.24	3859916.13	3.57268	5.62409	4.779	1.50135	2.72E-01	6.00E+01	5.28E-01	8.59E-02	6.09E+01	2.64E-01	2.54E-04	5.28E-02	1.68E-02	3.34E-01	2.97E-01	6.00E+01	5.28E-01	8.59E-02	6.09E+01
1052	490229.25	3859815.26	3.53382	5.40511	4.8062	0.96823	2.69E-01	5.77E+01	5.31E-01	5.54E-02	5.85E+01	2.62E-01	2.44E-04	5.31E-02	1.08E-02	3.26E-01	2.93E-01	5.77E+01	5.31E-01	5.54E-02	5.86E+01
1053	490279.25	3859815.26	3.47992	5.3645	4.7967	0.94261	2.65E-01	5.72E+01	5.30E-01	5.39E-02	5.81E+01	2.58E-01	2.42E-04	5.30E-02	1.06E-02	3.21E-01	2.89E-01	5.72E+01	5.30E-01	5.39E-02	5.81E+01
1054	490329.25	3859815.26	3.43827	5.32086	4.8346	0.9377	2.62E-01	5.68E+01	5.35E-01	5.36E-02	5.76E+01	2.55E-01	2.40E-04	5.35E-02	1.05E-02	3.19E-01	2.85E-01	5.68E+01	5.35E-01	5.36E-02	5.77E+01
1055	490379.25	3859815.26	3.51478	5.27022	4.8552	0.93325	2.68E-01	5.62E+01	5.37E-01	5.34E-02	5.71E+01	2.60E-01	2.38E-04	5.37E-02	1.04E-02	3.25E-01	2.92E-01	5.62E+01	5.37E-01	5.34E-02	5.71E+01
1056	490429.25	3859815.26	3.57683	5.21354	4.858	0.92931	2.73E-01	5.56E+01	5.37E-01	5.31E-02	5.65E+01	2.65E-01	2.35E-04	5.37E-02	1.04E-02	3.29E-01	2.97E-01	5.56E+01	5.37E-01	5.31E-02	5.65E+01
1057	490229.25	3859865.26	3.50732	5.40941	4.8688	1.23212	2.67E-01	5.77E+01	5.38E-01	7.05E-02	5.86E+01	2.60E-01	2.44E-04	5.38E-02	1.38E-02	3.28E-01	2.91E-01	5.77E+01	5.38E-01	7.05E-02	5.86E+01
1058	490279.25	3859865.26	3.4563	5.28248	4.7569	1.18865	2.63E-01	5.64E+01	5.26E-01	6.80E-02	5.72E+01	2.56E-01	2.38E-04	5.26E-02	1.33E-02	3.22E-01	2.87E-01	5.64E+01	5.26E-01	6.80E-02	5.73E+01
1059	490329.25	3859865.26	3.40546	5.15221	4.6895	1.14759	2.60E-01	5.50E+01	5.18E-01	6.56E-02	5.58E+01	2.52E-01	2.32E-04	5.18E-02	1.28E-02	3.17E-01	2.83E-01	5.50E+01	5.18E-01	6.56E-02	5.59E+01
1060	490379.25	3859865.26	3.35766	5.08657	4.7374	1.10932	2.56E-01	5.43E+01	5.24E-01	6.34E-02	5.51E+01	2.49E-01	2.29E-04	5.24E-02	1.24E-02	3.14E-01	2.79E-01	5.43E+01	5.24E-01	6.34E-02	5.51E+01
1061	490429.25	3859865.26	3.42485	5.0381	4.763	1.07344	2.61E-01	5.38E+01	5.27E-01	6.14E-02	5.46E+01	2.54E-01	2.27E-04	5.27E-02	1.20E-02	3.18E-01	2.84E-01	5.38E+01	5.27E-01	6.14E-02	5.46E+01
1062	490229.25	3859915.26	3.55484	5.57722	4.8045	1.47852	2.71E-01	5.95E+01	5.31E-01	8.45E-02	6.04E+01	2.63E-01	2.51E-04	5.31E-02	1.66E-02	3.33E-01	2.95E-01	5.95E+01	5.31E-01	8.45E-02	6.04E+01
1063	490279.25	3859915.26	3.46685	5.45266	4.7831	1.42543	2.64E-01	5.82E+01	5.29E-01	8.15E-02	5.91E+01	2.57E-01	2.46E-04	5.29E-02	1.60E-02	3.26E-01	2.88E-01	5.82E+01	5.29E-01	8.15E-02	5.91E+01
1064	490329.25	3859915.26	3.37846	5.31755	4.694	1.37487	2.58E-01	5.67E+01	5.19E-01	7.86E-02	5.76E+01	2.50E-01	2.40E-04	5.19E-02	1.54E-02	3.18E-01	2.80E-01	5.67E+01	5.19E-01	7.86E-02	5.76E+01
1065	490379.25	3859915.26	3.33347	5.17355	4.5856	1.32643	2.54E-01	5.52E+01	5.07E-01	7.58E-02	5.60E+01	2.47E-01	2.33E-04	5.07E-02	1.48E-02	3.13E-01	2.77E-01	5.52E+01	5.07E-01	7.58E-02	5.61E+01
1066	490429.25	3859915.26	3.28743	5.02235	4.6366	1.27973	2.51E-01	5.36E+01	5.13E-01	7.32E-02	5.44E+01	2.43E-01	2.26E-04	5.13E-02	1.43E-02	3.09E-01	2.73E-01	5.36E+01	5.13E-01	7.32E-02	5.45E+01
1067	490451.43	3859872.59	3.42931	4.98867	4.7505	1.08817	2.61E-01	5.32E+01	5.25E-01	6.22E-02	5.41E+01	2.54E-01	2.25E-04	5.25E-02	1.22E-02	3.19E-01	2.85E-01	5.32E+01	5.25E-01	6.22E-02	5.41E+01
1068	490501.43	3859872.59	3.48803	4.93556	4.7529	1.05393	2.66E-01	5.27E+01	5.25E-01	6.03E-02	5.35E+01	2.58E-01	2.22E-04	5.25E-02	1.18E-02	3.23E-01	2.90E-01	5.27E+01	5.25E-01	6.03E-02	5.35E+01
1069	490551.43	3859872.59	3.53578	4.87563	4.7435	1.02345	2.70E-01	5.20E+01	5.24E-01	5.85E-02	5.29E+01	2.62E-01	2.20E-04	5.24E-02	1.15E-02	3.26E-01	2.94E-01	5.20E+01	5.24E-01	5.85E-02	5.29E+01
1070	490601.43	3859872.59	3.56299	4.80381	4.7117	0.99538	2.72E-01	5.13E+01	5.21E-01	5.69E-02	5.21E+01	2.64E-01	2.17E-04	5.21E-02	1.11E-02	3.27E-01	2.96E-01	5.13E+01	5.21E-01	5.69E-02	5.21E+01
1071	490451.43	3859922.59	3.26475	4.96663	4.6332	1.2867	2.49E-01	5.30E+01	5.12E-01	7.36E-02	5.38E+01	2.42E-01	2.24E-04	5.12E-02	1.44E-02	3.08E-01	2.71E-01	5.30E+01	5.12E-01	7.36E-02	5.39E+01
1072	490501.43	3859922.59	3.34116	4.80219	4.6598	1.24225	2.55E-01	5.12E+01	5.15E-01	7.10E-02	5.21E+01	2.47E-01	2.16E-04	5.15E-02	1.39E-02	3.13E-01	2.77E-01	5.12E+01	5.15E-01	7.10E-02	5.21E+01
1073	490551.43	3859922.59	3.40718	4.69686	4.6746	1.20082	2.60E-01	5.01E+01	5.17E-01	6.87E-02	5.10E+01	2.52E-01	2.12E-04	5.17E-02	1.34E-02	3.18E-01	2.83E-01	5.01E+01	5.17E-01	6.87E-02	5.10E+01
1074	490601.43	3859922.59	3.45866	4.64209	4.6726	1.16253	2.64E-01	4.95E+01	5.17E-01	6.65E-02	5.04E+01	2.56E-01	2.09E-04	5.17E-02	1.30E-02	3.21E-01	2.87E-01	4.95E+01	5.17E-01	6.65E-02	5.04E+01
1075	482129.67	3852241.07	6.38259	1.25737	1.7169	0.67873	4.86E-01	1.34E+01	1.90E-01	3.88E-02	1.41E+01	4.73E-01	5.67E-05	1.90E-02	7.60E-03	4.99E-01	5.30E-01	1.34E+01	1.90E-01	3.88E-02	1.42E+01
1076	482029.67	3852291.07	6.23348	1.25374	1.896	0.63021	4.75E-01	1.34E+01	2.10E-01	3.60E-02	1.41E+01	4.61E-01	5.65E-05	2.10E-02	7.05E-03	4.90E-01	5.18E-01	1.34E+01	2.10E-01	3.60E-02	1.41E+01
1077	482079.67	3852291.07	6.41034	1.26191	1.8437	0.65393	4.89E-01	1.35E+01	2.04E-01	3.74E-02	1.42E+01	4.75E-01	5.69E-05	2.04E-02	7.32E-03	5.02E-01	5.32E-01	1.35E+01	2.04E-01	3.74E-02	1.42E+01
1078	482129.67	3852291.07	6.49982	1.26601	1.7896	0.67643	4.95E-01	1.35E+01	1.98E-01	3.87E-02	1.42E+01	4.81E-01	5.71E-05	1.98E-02	7.57E-03	5.09E-01	5.40E-01	1.35E+01	1.98E-01	3.87E-02	1.43E+01
1079	482179.67	3852291.07	6.49924	1.25946	1.7337	0.69737	4.95E-01	1.34E+01	1.92E-01	3.99E-02	1.42E+01	4.81E-01	5.68E-05	1.92E-02	7.81E-03	5.08E-01	5.40E-01	1.34E+01	1.92E-01	3.99E-02	1.42E+01
1080	482229.67	3852291.07	6.4034	1.23911	1.6762	0.71653	4.88E-01	1.32E+01	1.85E-01	4.10E-02	1.39E+01	4.74E-01	5.59E-05	1.85E-02	8.02E-03	5.01E-01	5.32E-01	1.32E+01	1.85E-01	4.10E-02	1.40E+01
1081	482029.67	3852341.07	6.08671	1.26085	1.9666	0.62638	4.64E-01	1.35E+01	2.17E-01	3.58E-02	1.42E+01	4.51E-01	5.68E-05	2.17E-02	7.01E-03	4.79E-01	5.05E-01	1.35E+01	2.17E-01	3.58E-02	1.42E+01
1082	482079.67	3852341.07	6.35242	1.26674	1.9155	0.6507	4.84E-01	1.35E+01	2.12E-01	3.72E-02	1.43E+01	4.70E-01	5.71E-05	2.12E-02	7.28E-03	4.99E-01	5.27E-01	1.35E+01	2.12E-01	3.72E-02	1.43E+01
1083	482129.67	3852341.07	6.53052	1.27476	1.8627	0.67399	4.98E-01	1.36E+01	2.06E-01	3.85E-02	1.43E+01	4.83E-01	5.75E-05	2.06E-02	7.54E-03	5.12E-01	5.42E-01	1.36E+01	2.06E-01	3.85E-02	1.44E+01
1084	482179.67	3852341.07	6.62187	1.27499	1.8077	0.69577	5.05E-01	1.36E+01	2.00E-01	3.98E-02	1.44E+01	4.90E-01	5.75E-05	2.00E-02	7.79E-03	5.18E-01	5.50E-01	1.36E+01	2.00E-01	3.98E-02	1.44E+01
1085	482259.06	3852400.14	6.72875	1.32599	1.8091	0.72702	5.13E-01	1.42E+01	2.00E-01	4.16E-02	1.49E+01	4.98E-01	5.98E-05	2.00E-02	8.14E-03	5.26E-01	5.59E-01	1.42E+01	2.00E-01	4.16E-02	1.50E+01
1086	482309.06	3852400.14	6.69901	1.2821	1.7497	0.74459	5.11E-01	1.37E+01	1.93E-01	4.26E-02	1.44E+01	4.96E-01	5.78E-05	1.93E-02	8.34E-03	5.24E-01	5.56E-01	1.37E+01	1.93E-01	4.26E-02	1.45E+01
1087	482209.06	3852450.14	6.67285	1.34154	1.939	0.70521	5.09E-01	1.43E+01	2.14E-01	4.03E-02	1.51E+01	4.94E-01	6.05E-05	2.14E-02	7.89E-03	5.23E-01	5.54E-01	1.43E+01	2.14E-01	4.03E-02	1.51E+01
1088	482259.06	3852450.14	6.81845	1.34601	1.8841	0.72619	5.20E-01	1.44E+01	2.08E-01	4.15E-02	1.51E+01	5.05E-01	6.07E-05	2.08E-02	8.13E-03	5.34E-01	5.66E-01	1.44E+01	2.08E-01	4.15E-02	1.52E+01
1089	482309.06	3852450.14	6.88059	1.30639	1.8261	0.74483	5.24E-01	1.39E+01	2.02E-01	4.26E-02	1.47E+01	5.09E-01	5.89E-05	2.02E-02	8.34E-03	5.38E-01	5.71E-01	1.39E+01	2.02E-01	4.26E-02	1.48E+01
1090	482209.06	3852500.14	6.57028	1.34791	2.0122	0.70325	5.01E-01	1.44E+01	2.22E-01	4.02E-02	1.51E+01	4.86E-01	6.08E-05	2.22E-02	7.87E-03	5.17E-01	5.45E-01	1.44E+01	2.22E-01	4.02E-02	1.52E+01
1091	482259.06	3852500.14	6.81766	1.35905	1.9586	0.72509	5.20E-01	1.45E+01	2.17E-01	4.15E-02	1.53E+01	5.05E-01	6.13E-05	2.17E-02	8.12E-03	5.35E-01	5.66E-01	1.45E+01	2.17E-01	4.15E-02	1.53E+01
1092	482309.06	3852500.14	6.97247	1.34062	1.9025	0.74485	5.31E-01	1.43E+01	2.10E-01	4.26E-02	1.51E+01	5.16E-01	6.04E-05	2.10E-02	8.34E-03	5.46E-01	5.79E-01	1.43E+01	2.10E-01	4.26E-02	1.51E+01
1093	482283.91	3852513.62	6.89979	1.36098	1.9515	0.73505	5.26E-01	1.45E+01	2.16E-01	4.20E-02	1.53E+01	5.11E-01	6.14E-05	2.16E-02	8.23E-03	5.41E-01	5.73E-01	1.45E+01	2.16E-01	4.20E-02	1.54E+01
1094	482333.91	3852513.62	7.02187	1.33625	1.8951	0.7541	5.35E-01	1.43E+01	2.10E-01	4.31E-02	1.50E+01	5.20E-01	6.02E-05	2.10E-02	8.44E-03	5.49E-01	5.83E-01	1.43E+01	2.10E-01	4.31E-02	1.51E+01

1095	482283.91	3852563.62	6.80572	1.38366	2.0267	0.73438	5.19E-01	1.48E+01	2.24E-01	4.20E-02	1.56E+01	5.04E-01	6.24E-05	2.24E-02	8.22E-03	5.35E-01	5.65E-01	1.48E+01	2.24E-01	4.20E-02	1.56E+01
1096	482333.91	3852563.62	7.02813	1.37474	1.9722	0.75449	5.36E-01	1.47E+01	2.18E-01	4.31E-02	1.55E+01	5.20E-01	6.20E-05	2.18E-02	8.45E-03	5.51E-01	5.83E-01	1.47E+01	2.18E-01	4.31E-02	1.55E+01
1097	482383.91	3852563.62	7.13496	1.34654	1.9159	0.77237	5.44E-01	1.44E+01	2.12E-01	4.42E-02	1.52E+01	5.28E-01	6.07E-05	2.12E-02	8.65E-03	5.58E-01	5.92E-01	1.44E+01	2.12E-01	4.42E-02	1.52E+01
1098	482283.91	3852613.62	6.6444	1.38708	2.0997	0.73305	5.06E-01	1.48E+01	2.32E-01	4.19E-02	1.56E+01	4.92E-01	6.25E-05	2.32E-02	8.21E-03	5.23E-01	5.52E-01	1.48E+01	2.32E-01	4.19E-02	1.56E+01
1099	482333.91	3852613.62	6.95135	1.39487	2.0478	0.7544	5.30E-01	1.49E+01	2.26E-01	4.31E-02	1.57E+01	5.15E-01	6.29E-05	2.26E-02	8.44E-03	5.46E-01	5.77E-01	1.49E+01	2.26E-01	4.31E-02	1.57E+01
1100	482383.91	3852613.62	7.15734	1.38052	1.9935	0.77341	5.46E-01	1.47E+01	2.20E-01	4.42E-02	1.55E+01	5.30E-01	6.22E-05	2.20E-02	8.66E-03	5.61E-01	5.94E-01	1.47E+01	2.20E-01	4.42E-02	1.56E+01
1101	482602.38	3852600.87	6.64081	1.25897	1.709	0.82297	5.06E-01	1.34E+01	1.89E-01	4.71E-02	1.42E+01	4.92E-01	5.68E-05	1.89E-02	9.21E-03	5.20E-01	5.51E-01	1.34E+01	1.89E-01	4.71E-02	1.42E+01
1102	482652.38	3852600.87	6.21558	1.22592	1.646	0.82742	4.74E-01	1.31E+01	1.82E-01	4.73E-02	1.38E+01	4.60E-01	5.53E-05	1.82E-02	9.26E-03	4.88E-01	5.16E-01	1.31E+01	1.82E-01	4.73E-02	1.38E+01
1103	482702.38	3852600.87	5.72695	1.15695	1.5808	0.82891	4.37E-01	1.23E+01	1.75E-01	4.74E-02	1.30E+01	4.24E-01	5.22E-05	1.75E-02	9.28E-03	4.51E-01	4.75E-01	1.23E+01	1.75E-01	4.74E-02	1.30E+01
1104	482552.38	3852650.87	7.29859	1.32452	1.8525	0.81999	5.56E-01	1.41E+01	2.05E-01	4.69E-02	1.49E+01	5.40E-01	5.97E-05	2.05E-02	9.18E-03	5.70E-01	6.06E-01	1.41E+01	2.05E-01	4.69E-02	1.50E+01
1105	482602.38	3852650.87	7.06774	1.30006	1.7903	0.8277	5.39E-01	1.39E+01	1.98E-01	4.73E-02	1.47E+01	5.23E-01	5.86E-05	1.98E-02	9.27E-03	5.52E-01	5.87E-01	1.39E+01	1.98E-01	4.73E-02	1.47E+01
1106	482652.38	3852650.87	6.71428	1.27309	1.7276	0.83286	5.12E-01	1.36E+01	1.91E-01	4.76E-02	1.43E+01	4.97E-01	5.74E-05	1.91E-02	9.32E-03	5.26E-01	5.57E-01	1.36E+01	1.91E-01	4.76E-02	1.44E+01
1107	482702.38	3852650.87	6.26591	1.23829	1.664	0.83546	4.78E-01	1.32E+01	1.84E-01	4.78E-02	1.39E+01	4.64E-01	5.58E-05	1.84E-02	9.35E-03	4.92E-01	5.20E-01	1.32E+01	1.84E-01	4.78E-02	1.40E+01
1108	482552.38	3852700.87	7.54809	1.34757	1.9333	0.82378	5.75E-01	1.44E+01	2.14E-01	4.71E-02	1.52E+01	5.59E-01	6.07E-05	2.14E-02	9.22E-03	5.89E-01	6.27E-01	1.44E+01	2.14E-01	4.71E-02	1.53E+01
1109	482602.38	3852700.87	7.41215	1.33656	1.8727	0.83251	5.65E-01	1.43E+01	2.07E-01	4.76E-02	1.51E+01	5.49E-01	6.03E-05	2.07E-02	9.32E-03	5.79E-01	6.15E-01	1.43E+01	2.07E-01	4.76E-02	1.51E+01
1110	482652.38	3852700.87	7.12277	1.33056	1.8119	0.83883	5.43E-01	1.42E+01	2.00E-01	4.80E-02	1.50E+01	5.27E-01	6.00E-05	2.00E-02	9.39E-03	5.57E-01	5.91E-01	1.42E+01	2.00E-01	4.80E-02	1.50E+01
1111	482702.38	3852700.87	6.76554	1.29623	1.7477	0.84179	5.16E-01	1.38E+01	1.93E-01	4.81E-02	1.46E+01	5.01E-01	5.84E-05	1.93E-02	9.42E-03	5.30E-01	5.62E-01	1.38E+01	1.93E-01	4.81E-02	1.46E+01
1112	482452.38	3852750.87	7.27534	1.39048	2.1274	0.79992	5.55E-01	1.48E+01	2.35E-01	4.57E-02	1.57E+01	5.39E-01	6.27E-05	2.35E-02	8.95E-03	5.71E-01	6.04E-01	1.48E+01	2.35E-01	4.57E-02	1.57E+01
1113	482521.29	3852749.74	7.6093	1.36999	2.0487	0.82021	5.80E-01	1.46E+01	2.27E-01	4.69E-02	1.55E+01	5.63E-01	6.18E-05	2.27E-02	9.18E-03	5.95E-01	6.32E-01	1.46E+01	2.27E-01	4.69E-02	1.55E+01
1114	482571.29	3852749.74	7.68685	1.36734	1.9903	0.83152	5.86E-01	1.46E+01	2.20E-01	4.75E-02	1.54E+01	5.69E-01	6.16E-05	2.20E-02	9.31E-03	6.00E-01	6.38E-01	1.46E+01	2.20E-01	4.75E-02	1.55E+01
1115	482521.29	3852799.74	7.54487	1.38077	2.1279	0.82336	5.75E-01	1.47E+01	2.35E-01	4.71E-02	1.56E+01	5.59E-01	6.22E-05	2.35E-02	9.22E-03	5.91E-01	6.26E-01	1.47E+01	2.35E-01	4.71E-02	1.56E+01
1116	482571.29	3852799.74	7.75272	1.38422	2.0713	0.83562	5.91E-01	1.48E+01	2.29E-01	4.78E-02	1.56E+01	5.74E-01	6.24E-05	2.29E-02	9.35E-03	6.06E-01	6.44E-01	1.48E+01	2.29E-01	4.78E-02	1.57E+01
1117	482621.29	3852799.74	7.82336	1.37956	2.0123	0.84479	5.96E-01	1.47E+01	2.22E-01	4.83E-02	1.56E+01	5.79E-01	6.22E-05	2.22E-02	9.46E-03	6.11E-01	6.50E-01	1.47E+01	2.22E-01	4.83E-02	1.56E+01
1118	482571.29	3852849.74	7.71794	1.39004	2.1505	0.83935	5.88E-01	1.48E+01	2.38E-01	4.80E-02	1.57E+01	5.71E-01	6.27E-05	2.38E-02	9.40E-03	6.05E-01	6.41E-01	1.48E+01	2.38E-01	4.80E-02	1.58E+01
1119	482621.29	3852849.74	7.93556	1.38865	2.0931	0.84931	6.05E-01	1.48E+01	2.31E-01	4.86E-02	1.57E+01	5.87E-01	6.26E-05	2.31E-02	9.51E-03	6.20E-01	6.59E-01	1.48E+01	2.31E-01	4.86E-02	1.58E+01
1120	482577.42	3852901.55	7.60782	1.39047	2.2242	0.8445	5.80E-01	1.48E+01	2.46E-01	4.83E-02	1.57E+01	5.63E-01	6.27E-05	2.46E-02	9.45E-03	5.97E-01	6.32E-01	1.48E+01	2.46E-01	4.83E-02	1.58E+01
1121	482627.42	3852901.55	7.9561	1.39249	2.1687	0.85499	6.06E-01	1.49E+01	2.40E-01	4.89E-02	1.58E+01	5.89E-01	6.28E-05	2.40E-02	9.57E-03	6.23E-01	6.61E-01	1.49E+01	2.40E-01	4.89E-02	1.58E+01
1122	482629.96	3852955.85	7.80685	1.39777	2.2516	0.86053	5.95E-01	1.49E+01	2.49E-01	4.92E-02	1.58E+01	5.78E-01	6.30E-05	2.49E-02	9.63E-03	6.13E-01	6.48E-01	1.49E+01	2.49E-01	4.92E-02	1.59E+01
1123	482679.96	3852955.85	8.15933	1.39932	2.1959	0.86861	6.22E-01	1.49E+01	2.43E-01	4.97E-02	1.58E+01	6.04E-01	6.31E-05	2.43E-02	9.72E-03	6.38E-01	6.77E-01	1.49E+01	2.43E-01	4.97E-02	1.59E+01
1124	482781.63	3853034.48	8.61086	1.39863	2.2057	0.88597	6.56E-01	1.49E+01	2.44E-01	5.07E-02	1.59E+01	6.37E-01	6.30E-05	2.44E-02	9.92E-03	6.72E-01	7.15E-01	1.49E+01	2.44E-01	5.07E-02	1.59E+01
1125	482831.63	3853034.48	8.72394	1.38147	2.1447	0.88563	6.65E-01	1.47E+01	2.37E-01	5.06E-02	1.57E+01	6.46E-01	6.23E-05	2.37E-02	9.91E-03	6.80E-01	7.24E-01	1.47E+01	2.37E-01	5.06E-02	1.58E+01
1126	482881.63	3853034.48	8.64691	1.35721	2.0813	0.88274	6.59E-01	1.45E+01	2.30E-01	5.05E-02	1.54E+01	6.40E-01	6.12E-05	2.30E-02	9.88E-03	6.73E-01	7.18E-01	1.45E+01	2.30E-01	5.05E-02	1.55E+01
1127	482781.63	3853084.48	8.53968	1.41198	2.2882	0.89301	6.51E-01	1.51E+01	2.53E-01	5.11E-02	1.60E+01	6.32E-01	6.37E-05	2.53E-02	1.00E-02	6.68E-01	7.09E-01	1.51E+01	2.53E-01	5.11E-02	1.61E+01
1128	482831.63	3853084.48	8.82994	1.4004	2.2296	0.89314	6.73E-01	1.49E+01	2.47E-01	5.11E-02	1.59E+01	6.54E-01	6.31E-05	2.47E-02	1.00E-02	6.88E-01	7.33E-01	1.49E+01	2.47E-01	5.11E-02	1.60E+01
1129	482881.63	3853084.48	8.92308	1.38297	2.1683	0.89062	6.80E-01	1.48E+01	2.40E-01	5.09E-02	1.57E+01	6.61E-01	6.23E-05	2.40E-02	9.97E-03	6.95E-01	7.41E-01	1.48E+01	2.40E-01	5.09E-02	1.58E+01
1130	482781.63	3853134.48	8.29481	1.42342	2.369	0.90026	6.32E-01	1.52E+01	2.62E-01	5.15E-02	1.61E+01	6.14E-01	6.42E-05	2.62E-02	1.01E-02	6.50E-01	6.89E-01	1.52E+01	2.62E-01	5.15E-02	1.62E+01
1131	482831.63	3853134.48	8.75787	1.41908	2.3134	0.90092	6.68E-01	1.51E+01	2.56E-01	5.15E-02	1.61E+01	6.48E-01	6.40E-05	2.56E-02	1.01E-02	6.84E-01	7.27E-01	1.51E+01	2.56E-01	5.15E-02	1.62E+01
1132	482881.63	3853134.48	9.02607	1.41082	2.2548	0.89887	6.88E-01	1.51E+01	2.49E-01	5.14E-02	1.60E+01	6.68E-01	6.36E-05	2.49E-02	1.01E-02	7.03E-01	7.49E-01	1.51E+01	2.49E-01	5.14E-02	1.61E+01
1133	482831.63	3853184.48	8.51195	1.43271	2.395	0.90882	6.49E-01	1.53E+01	2.65E-01	5.20E-02	1.63E+01	6.30E-01	6.46E-05	2.65E-02	1.02E-02	6.67E-01	7.07E-01	1.53E+01	2.65E-01	5.20E-02	1.63E+01
1134	482881.63	3853184.48	8.96124	1.43148	2.3395	0.90719	6.83E-01	1.53E+01	2.59E-01	5.19E-02	1.63E+01	6.63E-01	6.45E-05	2.59E-02	1.02E-02	7.00E-01	7.44E-01	1.53E+01	2.59E-01	5.19E-02	1.63E+01
1135	484154.84	3854250.98	10.6309	0.79094	2.6729	1.76663	8.10E-01	8.44E+00	2.96E-01	1.01E-01	9.65E+00	7.87E-01	3.57E-05	2.96E-02	1.98E-02	8.36E-01	8.83E-01	8.44E+00	2.96E-01	1.01E-01	9.72E+00
1136	484204.84	3854250.98	8.79994	0.7583	2.5799	1.76392	6.71E-01	8.09E+00	2.85E-01	1.01E-01	9.15E+00	6.51E-01	3.42E-05	2.85E-02	1.97E-02	7.00E-01	7.31E-01	8.09E+00	2.85E-01	1.01E-01	9.21E+00
1137	484154.84	3854300.98	11.9373	0.77232	2.7969	1.84064	9.10E-01	8.24E+00	3.09E-01	1.05E-01	9.57E+00	8.84E-01	3.48E-05	3.09E-02	2.06E-02	9.35E-01	9.91E-01	8.24E+00	3.09E-01	1.05E-01	9.65E+00
1138	484204.84	3854300.98	10.1798	0.75131	2.7081	1.84034	7.76E-01	8.02E+00	2.99E-01	1.05E-01	9.20E+00	7.54E-01	3.39E-05	2.99E-02	2.06E-02	8.04E-01	8.45E-01	8.02E+00	2.99E-01	1.05E-01	9.27E+00
1139	484074.19	3854519.8	12.676	0.83567	3.3651	1.747	9.66E-01	8.92E+00	3.72E-01	9.99E-02	1.04E+01	9.38E-01	3.77E-05	3.72E-02	1.96E-02	9.95E-01	1.05E+00	8.92E+00	3.72E-01	9.99E-02	1.04E+01
1140	484124.19	3854519.8	13.4109	0.79694	3.3206	1.88553	1.02E+00	8.50E+00	3.67E-01	1.08E-01	1.00E+01	9.93E-01	3.59E-05	3.67E-02	2.11E-02	1.05E+00	1.11E+00	8.50E+00	3.67E-01	1.08E-01	1.01E+01
1141	484074.19	3854569.8	10.8662	0.84428	3.4409	1.74215	8.28E-01	9.01E+00	3.80E-01	9.96E-02	1.03E+01	8.04E-01	3.81E-05	3.80E-02	1.95E-02	8.62E-01	9.02E-01	9.01E+00	3.80E-01	9.96E-02	1.04E+01
1142	484124.19	3854569.8	11.6966	0.79699	3.4067	1.89095	8.92E-01	8.51E+00	3.77E-01	1.08E-01	9.88E+00	8.66E-01	3.59E-05	3.77E-02	2.12E-02	9.25E-01	9.71E-01	8.51E+00	3.77E-01	1.08E-01	9.96E+00
1143	485205.11	3855188.89	15.1033	0.79708	3.244	2.40981	1.15E+00	8.51E+00	3.59E-01	1.38E-01	1.02E+01	1.12E+00	3.59E-05	3.59E-02	2.70E-02	1.18E+00	1.25E+00	8.51E+00	3.59E-01	1.38E-01	1.03E+01
1144	485255.11	3855188.89	13.2621	0.74242	3.0996	2.09069	1.01E+00	7.92E+00	3.43E-01	1.20E-01	9.40E+00	9.82E-01	3.35E-05	3.43E-02	2.34E-02	1.04E+00	1.10E+00	7.92E+00	3.43E-01	1.20E-01	9.49E+00
1145	485205.11	3855238.89	16.7645	0.82529	3.4345	2.37151	1.28E+00	8.81E+00	3.80E-01	1.36E-01	1.06E+01	1.24E+00	3.72E-05	3.80E-02	2.65E-02	1.31E+00	1.39E+00	8.81E+00	3.80E-01	1.36E-01	1.07E+01
1146	485255.11	3855238.89	15.6738	0.79679	3.2974	2.86661	1.19E+00	8.50E+00	3.65E-01	1.64E-01	1.02E+01	1.16E+00	3.59E-05	3.65E-02	3.21E-02	1.23E+00	1.30E+00	8.50E+00	3.65E-01	1.64E-01	1.03E+01
1147	485205.11	3855288.89	22.7235	0.93181	3.6229	3.08192	1.73E+00	9.94E+00	4.01E-01	1.76E-01	1.23E+01	1.68E+00	4.20E-05	4.01E-02	3.45E-02	1.76E+00	1.89E+00	9.94E+00	4.01E-01	1.76E-01	1.24E+01
1148	485255.11	3855288.89	20.0116	0.89364	3.4941	3.51101	1.53E+00	9.54E+00	3.86E-01	2.01E-01	1.16E+01	1.48E+00	4.03E-05	3.86E-02	3.93E-02	1.56E+00	1.66E+00	9.54E+00	3.86E-01	2.01E-01	1.18E+01
1149	485255.11	3855338.89	25.2534	0.99844	3.6856	3.88542	1.92E+00	1.07E+01	4.07E-01	2.22E-01	1.32E+01	1.87E+00	4.50E-05	4.07E-02	4.35E-02	1.95E+00	2.10E+00	1.07E+01	4.07E-01	2.22E-01	1.34E+01
1150	485305.11	3855338.89	22.3881	0.94058	3.5548	3.96173	1.71E+00	1.00E+01	3.93E-01	2.27E-01	1.24E+01	1.66E+00	4.24E-05	3.93E-02	4.43E-02	1.74E+00	1.86E+00	1.00E+01	3.93E-01	2.27E-01	1.25E+01
1151	485852.5	3855635.28	23.1293	0.89711	3.0285	2.15155	1.76E+00	9.57E+00	3.35E-01	1.23E-01	1.18E+01	1.71E+00	4.04E-05	3.35E-02	2.41E-02	1.77E+00	1.92E+00	9.57E+00	3.35E-01	1.23E-01	1.20E+01
1152	485902.5	3855635.28	21.0522	0.8366	3.7408	2.0542	1.60E+00	8.93E+00	4.14E-01	1.17E-01	1.11E+01	1.56E+00	3.77E-05	4.14E-02	2.30E-02	1.62E+00	1.75E+00	8.93E+00	4.14E-01	1.17E-01	1.12E+01
1153	485852.5	3855685.28	25.0466	0.96323	3.2894	2.22563	1.91E+00	1.03E+01	3.64E-01	1.27E-01	1.27E+01	1.85E+00	4.34E-05	3.64E-02	2.49E-02	1.92E+00	2.08E+00	1.03E+01	3.64E-01	1.27E-01	1.28E+01
1154	485902.5	3855685.28	22.6827	0.89536	3.0785	2.36298	1.73E+00	9.56E+00	3.40E-01	1.35E-01	1.18E+01	1.68E+00	4.04E-05	3.40E-02	2.65E-02	1.74E+00	1.88E+00	9.56E+00	3.40E-01	1.35E-01	1.19E+01
1155	485852.5	3855735.28	27.3199	1.0368	3.5561	2.70706	2.08E+00	1.11E+01	3.93E-01	1.55E-01	1.37E+01	2.02E+00	4.67E-05	3.93E-02	3.03E-02	2.09E+00	2.27E+00	1.11E+01	3.93E-01	1.55E-01	1.39E+01

1156	485902.5	3855735.28	25.2038	0.9754	3.3477	2.75472	1.92E+00	1.04E+01	3.70E-01	1.58E-01	1.29E+01	1.87E+00	4.40E-05	3.70E-02	3.08E-02	1.93E+00	2.09E+00	1.04E+01	3.70E-01	1.58E-01	1.30E+01
1157	485852.5	3855785.28	30.8951	1.13268	3.8253	2.86229	2.35E+00	1.21E+01	4.23E-01	1.64E-01	1.50E+01	2.29E+00	5.11E-05	4.23E-02	3.20E-02	2.36E+00	2.56E+00	1.21E+01	4.23E-01	1.64E-01	1.52E+01
1158	485902.5	3855785.28	27.1922	1.04082	3.622	2.86361	2.07E+00	1.11E+01	4.00E-01	1.64E-01	1.37E+01	2.01E+00	4.69E-05	4.00E-02	3.21E-02	2.09E+00	2.26E+00	1.11E+01	4.00E-01	1.64E-01	1.39E+01
1159	486809.46	3856465.28	26.2428	1.57727	4.8764	2.51654	2.00E+00	1.68E+01	5.39E-01	1.44E-01	1.95E+01	1.94E+00	7.11E-05	5.39E-02	2.82E-02	2.02E+00	2.18E+00	1.68E+01	5.39E-01	1.44E-01	1.97E+01
1160	486859.46	3856465.28	25.4845	1.57811	4.3223	2.43878	1.94E+00	1.68E+01	4.78E-01	1.39E-01	1.94E+01	1.89E+00	7.11E-05	4.78E-02	2.73E-02	1.96E+00	2.12E+00	1.68E+01	4.78E-01	1.39E-01	1.96E+01
1161	486909.46	3856465.28	24.6084	1.57318	3.4637	2.37152	1.88E+00	1.68E+01	3.83E-01	1.36E-01	1.92E+01	1.82E+00	7.09E-05	3.83E-02	2.65E-02	1.89E+00	2.04E+00	1.68E+01	3.83E-01	1.36E-01	1.94E+01
1162	486809.46	3856515.28	28.2892	1.65905	4.5999	2.57311	2.16E+00	1.77E+01	5.09E-01	1.47E-01	2.05E+01	2.09E+00	7.48E-05	5.09E-02	2.88E-02	2.17E+00	2.35E+00	1.77E+01	5.09E-01	1.47E-01	2.07E+01
1163	486859.46	3856515.28	27.4975	1.66569	4.3929	2.49246	2.10E+00	1.78E+01	4.86E-01	1.43E-01	2.05E+01	2.04E+00	7.51E-05	4.86E-02	2.79E-02	2.11E+00	2.28E+00	1.78E+01	4.86E-01	1.43E-01	2.07E+01
1164	486909.46	3856515.28	26.5329	1.66511	3.8142	2.42317	2.02E+00	1.78E+01	4.22E-01	1.39E-01	2.04E+01	1.96E+00	7.51E-05	4.22E-02	2.71E-02	2.03E+00	2.20E+00	1.78E+01	4.22E-01	1.39E-01	2.05E+01
1165	486980.94	3856357.95	20.8772	1.38963	3.8704	1.96879	1.59E+00	1.48E+01	4.28E-01	1.13E-01	1.70E+01	1.55E+00	6.26E-05	4.28E-02	2.20E-02	1.61E+00	1.73E+00	1.48E+01	4.28E-01	1.13E-01	1.71E+01
1166	487030.94	3856357.95	20.3984	1.38754	5.0723	1.91073	1.55E+00	1.48E+01	5.61E-01	1.09E-01	1.70E+01	1.51E+00	6.25E-05	5.61E-02	2.14E-02	1.59E+00	1.69E+00	1.48E+01	5.61E-01	1.09E-01	1.72E+01
1167	486980.94	3856407.95	22.1531	1.47783	3.1858	2.0944	1.69E+00	1.58E+01	3.52E-01	1.20E-01	1.79E+01	1.64E+00	6.66E-05	3.52E-02	2.34E-02	1.70E+00	1.84E+00	1.58E+01	3.52E-01	1.20E-01	1.81E+01
1168	487030.94	3856407.95	21.5478	1.47376	3.9715	2.0266	1.64E+00	1.57E+01	4.39E-01	1.16E-01	1.79E+01	1.60E+00	6.64E-05	4.39E-02	2.27E-02	1.66E+00	1.79E+00	1.57E+01	4.39E-01	1.16E-01	1.81E+01
1169	487447.18	3856437.45	18.1997	1.56918	7.9763	1.57126	1.39E+00	1.67E+01	8.82E-01	8.99E-02	1.91E+01	1.35E+00	7.07E-05	8.82E-02	1.76E-02	1.45E+00	1.51E+00	1.67E+01	8.82E-01	8.99E-02	1.92E+01
1170	487497.18	3856437.45	17.8239	1.58955	8.2319	1.51012	1.36E+00	1.70E+01	9.10E-01	8.64E-02	1.93E+01	1.32E+00	7.17E-05	9.10E-02	1.69E-02	1.43E+00	1.48E+00	1.70E+01	9.10E-01	8.64E-02	1.94E+01
1171	487547.18	3856437.45	17.4755	1.6146	8.3478	1.44762	1.33E+00	1.72E+01	9.23E-01	8.28E-02	1.96E+01	1.29E+00	7.28E-05	9.23E-02	1.62E-02	1.40E+00	1.45E+00	1.72E+01	9.23E-01	8.28E-02	1.97E+01
1172	487447.18	3856487.45	18.8991	1.67193	8.0009	1.67519	1.44E+00	1.78E+01	8.85E-01	9.58E-02	2.03E+01	1.40E+00	7.54E-05	8.85E-02	1.88E-02	1.51E+00	1.57E+00	1.78E+01	8.85E-01	9.58E-02	2.04E+01
1173	487497.18	3856487.45	18.4692	1.68806	8.3181	1.61461	1.41E+00	1.80E+01	9.20E-01	9.23E-02	2.04E+01	1.37E+00	7.61E-05	9.20E-02	1.81E-02	1.48E+00	1.53E+00	1.80E+01	9.20E-01	9.23E-02	2.06E+01
1174	487547.18	3856487.45	18.2336	1.71453	8.4936	1.54912	1.39E+00	1.83E+01	9.39E-01	8.86E-02	2.07E+01	1.35E+00	7.73E-05	9.39E-02	1.73E-02	1.46E+00	1.51E+00	1.83E+01	9.39E-01	8.86E-02	2.08E+01
1175	487447.18	3856537.45	19.7863	1.77081	7.9996	1.74211	1.51E+00	1.89E+01	8.84E-01	9.96E-02	2.14E+01	1.46E+00	7.98E-05	8.84E-02	1.95E-02	1.57E+00	1.64E+00	1.89E+01	8.84E-01	9.96E-02	2.15E+01
1176	487497.18	3856537.45	19.2794	1.7814	8.3824	1.68395	1.47E+00	1.90E+01	9.27E-01	9.63E-02	2.15E+01	1.43E+00	8.03E-05	9.27E-02	1.89E-02	1.54E+00	1.60E+00	1.90E+01	9.27E-01	9.63E-02	2.16E+01
1177	487547.18	3856537.45	18.8229	1.81329	8.6231	1.61471	1.43E+00	1.94E+01	9.53E-01	9.23E-02	2.18E+01	1.39E+00	8.17E-05	9.53E-02	1.81E-02	1.51E+00	1.56E+00	1.94E+01	9.53E-01	9.23E-02	2.20E+01
1178	489285.89	3858826.54	5.87254	8.47405	7.3398	0.97528	4.48E-01	9.04E+01	8.11E-01	5.58E-02	9.17E+01	4.35E-01	3.82E-04	8.11E-02	1.09E-02	5.27E-01	4.88E-01	9.04E+01	8.11E-01	5.58E-02	9.18E+01
1179	489335.89	3858826.54	5.78687	8.30507	7.2515	0.94448	4.41E-01	8.86E+01	8.02E-01	5.40E-02	8.99E+01	4.28E-01	3.74E-04	8.02E-02	1.06E-02	5.20E-01	4.80E-01	8.86E+01	8.02E-01	5.40E-02	9.00E+01
1180	489385.89	3858826.54	5.6522	8.09774	7.0088	0.94401	4.31E-01	8.64E+01	7.75E-01	5.40E-02	8.77E+01	4.18E-01	3.65E-04	7.75E-02	1.06E-02	5.07E-01	4.69E-01	8.64E+01	7.75E-01	5.40E-02	8.77E+01
1181	489435.89	3858826.54	5.46576	7.92381	7.2066	0.94244	4.17E-01	8.46E+01	7.97E-01	5.39E-02	8.58E+01	4.05E-01	3.57E-04	7.97E-02	1.05E-02	4.95E-01	4.54E-01	8.46E+01	7.97E-01	5.39E-02	8.59E+01
1182	489485.89	3858826.54	5.23665	7.76585	7.2845	0.9397	3.99E-01	8.29E+01	8.05E-01	5.37E-02	8.41E+01	3.88E-01	3.50E-04	8.05E-02	1.05E-02	4.79E-01	4.35E-01	8.29E+01	8.05E-01	5.37E-02	8.42E+01
1183	489535.89	3858826.54	4.97366	7.60826	7.2533	0.93575	3.79E-01	8.12E+01	8.02E-01	5.35E-02	8.24E+01	3.68E-01	3.43E-04	8.02E-02	1.05E-02	4.59E-01	4.13E-01	8.12E+01	8.02E-01	5.35E-02	8.25E+01
1184	489585.89	3858826.54	4.68387	7.46352	7.1256	0.93064	3.57E-01	7.96E+01	7.88E-01	5.32E-02	8.08E+01	3.47E-01	3.36E-04	7.88E-02	1.04E-02	4.36E-01	3.89E-01	7.96E+01	7.88E-01	5.32E-02	8.09E+01
1185	489635.89	3858826.54	4.37619	7.30826	6.9164	0.92433	3.34E-01	7.80E+01	7.65E-01	5.29E-02	7.91E+01	3.24E-01	3.29E-04	7.65E-02	1.03E-02	4.11E-01	3.63E-01	7.80E+01	7.65E-01	5.29E-02	7.92E+01
1186	489685.89	3858826.54	4.05719	7.15362	6.6412	0.91689	3.09E-01	7.63E+01	7.34E-01	5.24E-02	7.74E+01	3.00E-01	3.22E-04	7.34E-02	1.03E-02	3.84E-01	3.37E-01	7.63E+01	7.34E-01	5.24E-02	7.75E+01
1187	489735.89	3858826.54	3.97756	7.00429	6.3173	0.90838	3.03E-01	7.47E+01	6.98E-01	5.19E-02	7.58E+01	2.94E-01	3.16E-04	6.98E-02	1.02E-02	3.75E-01	3.30E-01	7.47E+01	6.98E-01	5.19E-02	7.58E+01
1188	489785.89	3858826.54	3.87451	6.8872	5.9614	0.89894	2.95E-01	7.35E+01	6.59E-01	5.14E-02	7.45E+01	2.87E-01	3.10E-04	6.59E-02	1.01E-02	3.63E-01	3.22E-01	7.35E+01	6.59E-01	5.14E-02	7.45E+01
1189	489835.89	3858826.54	3.78561	6.74031	5.5842	0.88849	2.89E-01	7.19E+01	6.17E-01	5.08E-02	7.29E+01	2.80E-01	3.04E-04	6.17E-02	9.95E-03	3.52E-01	3.14E-01	7.19E+01	6.17E-01	5.08E-02	7.29E+01
1190	489885.89	3858826.54	4.09353	6.63716	5.2006	0.87728	3.12E-01	7.08E+01	5.75E-01	5.02E-02	7.18E+01	3.03E-01	2.99E-04	5.75E-02	9.82E-03	3.71E-01	3.40E-01	7.08E+01	5.75E-01	5.02E-02	7.18E+01
1191	489935.89	3858826.54	4.38754	6.52638	5.167	0.86526	3.34E-01	6.96E+01	5.71E-01	4.95E-02	7.06E+01	3.25E-01	2.94E-04	5.71E-02	9.69E-03	3.92E-01	3.64E-01	6.96E+01	5.71E-01	4.95E-02	7.06E+01
1192	489985.89	3858826.54	4.6639	6.40681	5.1057	0.85254	3.55E-01	6.84E+01	5.64E-01	4.88E-02	6.93E+01	3.45E-01	2.89E-04	5.64E-02	9.54E-03	4.12E-01	3.87E-01	6.84E+01	5.64E-01	4.88E-02	6.94E+01
1193	490035.89	3858826.54	4.92358	6.24727	4.9916	0.83909	3.75E-01	6.67E+01	5.52E-01	4.80E-02	6.76E+01	3.65E-01	2.82E-04	5.52E-02	9.39E-03	4.29E-01	4.09E-01	6.67E+01	5.52E-01	4.80E-02	6.77E+01
1194	489285.89	3858876.54	5.73797	9.22699	7.2073	0.95804	4.37E-01	9.85E+01	7.97E-01	5.48E-02	9.98E+01	4.25E-01	4.16E-04	7.97E-02	1.07E-02	5.16E-01	4.76E-01	9.85E+01	7.97E-01	5.48E-02	9.98E+01
1195	489335.89	3858876.54	5.73247	8.99723	6.9964	0.96061	4.37E-01	9.60E+01	7.74E-01	5.49E-02	9.73E+01	4.24E-01	4.06E-04	7.74E-02	1.08E-02	5.13E-01	4.76E-01	9.60E+01	7.74E-01	5.49E-02	9.73E+01
1196	489385.89	3858876.54	5.66922	8.789	6.9138	0.96188	4.32E-01	9.38E+01	7.64E-01	5.50E-02	9.50E+01	4.20E-01	3.96E-04	7.64E-02	1.08E-02	5.07E-01	4.71E-01	9.38E+01	7.64E-01	5.50E-02	9.51E+01
1197	489435.89	3858876.54	5.55432	8.58314	6.8776	0.96177	4.23E-01	9.16E+01	7.60E-01	5.50E-02	9.28E+01	4.11E-01	3.87E-04	7.60E-02	1.08E-02	4.98E-01	4.61E-01	9.16E+01	7.60E-01	5.50E-02	9.29E+01
1198	489485.89	3858876.54	5.39195	8.38424	7.1231	0.96027	4.11E-01	8.95E+01	7.88E-01	5.49E-02	9.07E+01	3.99E-01	3.78E-04	7.88E-02	1.07E-02	4.89E-01	4.48E-01	8.95E+01	7.88E-01	5.49E-02	9.08E+01
1199	489535.89	3858876.54	5.18845	8.18811	7.2581	0.95738	3.95E-01	8.74E+01	8.02E-01	5.47E-02	8.86E+01	3.84E-01	3.69E-04	8.02E-02	1.07E-02	4.75E-01	4.31E-01	8.74E+01	8.02E-01	5.47E-02	8.87E+01
1200	489585.89	3858876.54	4.95285	7.97392	7.2883	0.95306	3.78E-01	8.51E+01	8.06E-01	5.45E-02	8.63E+01	3.67E-01	3.59E-04	8.06E-02	1.07E-02	4.58E-01	4.11E-01	8.51E+01	8.06E-01	5.45E-02	8.64E+01
1201	489635.89	3858876.54	4.68355	7.81182	7.2184	0.94752	3.57E-01	8.34E+01	7.98E-01	5.42E-02	8.46E+01	3.47E-01	3.52E-04	7.98E-02	1.06E-02	4.38E-01	3.89E-01	8.34E+01	7.98E-01	5.42E-02	8.46E+01
1202	489685.89	3858876.54	4.39537	7.63611	7.0645	0.94065	3.35E-01	8.15E+01	7.81E-01	5.38E-02	8.27E+01	3.25E-01	3.44E-04	7.81E-02	1.05E-02	4.14E-01	3.65E-01	8.15E+01	7.81E-01	5.38E-02	8.27E+01
1203	489735.89	3858876.54	4.09459	7.45132	6.839	0.93253	3.12E-01	7.95E+01	7.56E-01	5.33E-02	8.06E+01	3.03E-01	3.36E-04	7.56E-02	1.04E-02	3.90E-01	3.40E-01	7.95E+01	7.56E-01	5.33E-02	8.07E+01
1204	489785.89	3858876.54	3.91283	7.31222	6.5594	0.92336	2.98E-01	7.80E+01	7.25E-01	5.28E-02	7.91E+01	2.90E-01	3.30E-04	7.25E-02	1.03E-02	3.73E-01	3.25E-01	7.80E+01	7.25E-01	5.28E-02	7.91E+01
1205	489835.89	3858876.54	3.83009	7.14839	6.2374	0.91308	2.92E-01	7.63E+01	6.90E-01	5.22E-02	7.73E+01	2.84E-01	3.22E-04	6.90E-02	1.02E-02	3.63E-01	3.18E-01	7.63E+01	6.90E-01	5.22E-02	7.73E+01
1206	489885.89	3858876.54	3.71792	7.04555	5.8903	0.90196	2.83E-01	7.52E+01	6.51E-01	5.16E-02	7.62E+01	2.75E-01	3.18E-04	6.51E-02	1.01E-02	3.51E-01	3.09E-01	7.52E+01	6.51E-01	5.16E-02	7.62E+01
1207	489935.89	3858876.54	3.78533	6.87792	5.5236	0.88981	2.89E-01	7.34E+01	6.11E-01	5.09E-02	7.43E+01	2.80E-01	3.10E-04	6.11E-02	9.96E-03	3.52E-01	3.14E-01	7.34E+01	6.11E-01	5.09E-02	7.44E+01
1208	489985.89	3858876.54	4.08459	6.70053	5.2691	0.87687	3.11E-01	7.15E+01	5.83E-01	5.01E-02	7.25E+01	3.02E-01	3.02E-04	5.83E-02	9.82E-03	3.71E-01	3.39E-01	7.15E+01	5.83E-01	5.01E-02	7.25E+01
1209	490035.89	3858876.54	4.3675	6.53284	5.1654	0.86327	3.33E-01	6.97E+01	5.71E-01	4.94E-02	7.07E+01	3.23E-01	2.94E-04	5.71E-02	9.66E-03	3.90E-01	3.63E-01	6.97E+01	5.71E-01	4.94E-02	7.07E+01
1210	489285.89	3858926.54	5.50682	9.94822	7.1981	0.96935	4.20E-01	1.06E+02	7.96E-01	5.54E-02	1.07E+02	4.08E-01	4.48E-04	7.96E-02	1.09E-02	4.99E-01	4.57E-01	1.06E+02	7.96E-01	5.54E-02	1.07E+02
1211	489335.89	3858926.54	5.57518	9.66643	7.0988	0.97329	4.25E-01	1.03E+02	7.85E-01	5.57E-02	1.04E+02	4.13E-01	4.36E-04	7.85E-02	1.09E-02	5.03E-01	4.63E-01	1.03E+02	7.85E-01	5.57E-02	1.04E+02
1212	489385.89	3858926.54	5.58995	9.37681	6.9223	0.97576	4.26E-01	1.00E+02	7.65E-01	5.58E-02	1.01E+02	4.14E-01	4.23E-04	7.65E-02	1.09E-02	5.02E-01	4.64E-01	1.00E+02	7.65E-01	5.58E-02	1.01E+02
1213	489435.89	3858926.54	5.54753	9.14302	6.6776	0.97688	4.23E-01	9.76E+01	7.38E-01	5.59E-02	9.88E+01	4.11E-01	4.12E-04	7.38E-02	1.09E-02	4.96E-01	4.61E-01	9.76E+01	7.38E-01	5.59E-02	9.88E+01
1214	489485.89	3858926.54	5.45508	8.91031	6.7037	0.97648	4.16E-01	9.51E+01	7.41E-01	5.58E-02	9.63E+01	4.04E-01	4.02E-04	7.41E-02	1.09E-02	4.89E-01	4.53E-01	9.51E+01	7.41E-01	5.58E-02	9.63E+01
1215	489535.89	3858926.54	5.31647	8.6874	6.9896	0.97457	4.05E-01	9.27E+01	7.73E-01	5.57E-02	9.39E+01	3.94E-01	3.92E-04	7.73E-02	1.09E-02	4.82E-01	4.41E-01	9.27E+01	7.73E-01	5.57E-02	9.40E+01
1216	489585.89	3858926.54	5.13602	8.46748	7.1736	0.97117	3.91E-01	9.04E+01	7.93E-01	5.55E-02	9.16E+01	3.80E-01	3.82E-04	7.93E-02	1.09E-02	4.71E-01	4.26E-01	9.04E+01	7.93E-01	5.55E-02	9.16E+01

1217	489635.89	3858926.54	4.91964	8.26366	7.2551	0.96633	3.75E-01	8.82E+01	8.02E-01	5.53E-02	8.94E+01	3.64E-01	3.73E-04	8.02E-02	1.08E-02	4.56E-01	4.08E-01	8.82E+01	8.02E-01	5.53E-02	8.95E+01
1218	489685.89	3858926.54	4.67673	8.04183	7.2437	0.96005	3.56E-01	8.58E+01	8.01E-01	5.49E-02	8.70E+01	3.46E-01	3.63E-04	8.01E-02	1.07E-02	4.37E-01	3.88E-01	8.58E+01	8.01E-01	5.49E-02	8.71E+01
1219	489735.89	3858926.54	4.40546	7.87754	7.1442	0.95257	3.36E-01	8.41E+01	7.90E-01	5.45E-02	8.52E+01	3.26E-01	3.55E-04	7.90E-02	1.07E-02	4.16E-01	3.66E-01	8.41E+01	7.90E-01	5.45E-02	8.53E+01
1220	489785.89	3858926.54	4.11726	7.72359	6.972	0.94386	3.14E-01	8.24E+01	7.71E-01	5.40E-02	8.36E+01	3.05E-01	3.48E-04	7.71E-02	1.06E-02	3.93E-01	3.42E-01	8.24E+01	7.71E-01	5.40E-02	8.36E+01
1221	489835.89	3858926.54	3.84061	7.52487	6.7382	0.93388	2.93E-01	8.03E+01	7.45E-01	5.34E-02	8.14E+01	2.84E-01	3.39E-04	7.45E-02	1.05E-02	3.70E-01	3.19E-01	8.03E+01	7.45E-01	5.34E-02	8.14E+01
1222	489885.89	3858926.54	3.77179	7.37069	6.458	0.92296	2.87E-01	7.87E+01	7.14E-01	5.28E-02	7.97E+01	2.79E-01	3.32E-04	7.14E-02	1.03E-02	3.61E-01	3.13E-01	7.87E+01	7.14E-01	5.28E-02	7.97E+01
1223	489935.89	3858926.54	3.68147	7.19229	6.1413	0.91102	2.81E-01	7.68E+01	6.79E-01	5.21E-02	7.78E+01	2.73E-01	3.24E-04	6.79E-02	1.02E-02	3.51E-01	3.06E-01	7.68E+01	6.79E-01	5.21E-02	7.78E+01
1224	489985.89	3858926.54	3.57207	6.97904	5.7992	0.89815	2.72E-01	7.45E+01	6.41E-01	5.14E-02	7.54E+01	2.64E-01	3.15E-04	6.41E-02	1.01E-02	3.39E-01	2.97E-01	7.45E+01	6.41E-01	5.14E-02	7.55E+01
1225	490035.89	3858926.54	3.79547	6.71457	5.4448	0.88441	2.89E-01	7.17E+01	6.02E-01	5.06E-02	7.26E+01	2.81E-01	3.03E-04	6.02E-02	9.90E-03	3.51E-01	3.15E-01	7.17E+01	6.02E-01	5.06E-02	7.26E+01
1226	489335.89	3858976.54	5.33568	10.1767	7.0478	0.98176	4.07E-01	1.09E+02	7.79E-01	5.61E-02	1.10E+02	3.95E-01	4.59E-04	7.79E-02	1.10E-02	4.84E-01	4.43E-01	1.09E+02	7.79E-01	5.61E-02	1.10E+02
1227	489385.89	3858976.54	5.41927	9.84446	6.9775	0.98533	4.13E-01	1.05E+02	7.71E-01	5.63E-02	1.06E+02	4.01E-01	4.44E-04	7.71E-02	1.10E-02	4.90E-01	4.50E-01	1.05E+02	7.71E-01	5.63E-02	1.06E+02
1228	489435.89	3858976.54	5.44304	9.61528	6.8251	0.98762	4.15E-01	1.03E+02	7.55E-01	5.65E-02	1.04E+02	4.03E-01	4.33E-04	7.55E-02	1.11E-02	4.90E-01	4.52E-01	1.03E+02	7.55E-01	5.65E-02	1.04E+02
1229	489485.89	3858976.54	5.42172	9.33692	6.6196	0.98819	4.13E-01	9.96E+01	7.32E-01	5.65E-02	1.01E+02	4.01E-01	4.21E-04	7.32E-02	1.11E-02	4.86E-01	4.50E-01	9.96E+01	7.32E-01	5.65E-02	1.01E+02
1230	489535.89	3858976.54	5.35242	9.06118	6.4973	0.98715	4.08E-01	9.67E+01	7.18E-01	5.64E-02	9.79E+01	3.96E-01	4.08E-04	7.18E-02	1.11E-02	4.80E-01	4.44E-01	9.67E+01	7.18E-01	5.64E-02	9.79E+01
1231	489585.89	3858976.54	5.23221	8.85357	6.8124	0.98471	3.99E-01	9.45E+01	7.53E-01	5.63E-02	9.57E+01	3.87E-01	3.99E-04	7.53E-02	1.10E-02	4.74E-01	4.34E-01	9.45E+01	7.53E-01	5.63E-02	9.57E+01
1232	489635.89	3858976.54	5.07472	8.61978	7.038	0.98065	3.87E-01	9.20E+01	7.78E-01	5.61E-02	9.32E+01	3.76E-01	3.89E-04	7.78E-02	1.10E-02	4.65E-01	4.21E-01	9.20E+01	7.78E-01	5.61E-02	9.32E+01
1233	489685.89	3858976.54	4.88189	8.37906	7.1699	0.9751	3.72E-01	8.94E+01	7.93E-01	5.58E-02	9.06E+01	3.61E-01	3.78E-04	7.93E-02	1.09E-02	4.52E-01	4.05E-01	8.94E+01	7.93E-01	5.58E-02	9.07E+01
1234	489735.89	3858976.54	4.65513	8.18089	7.2085	0.96824	3.55E-01	8.73E+01	7.97E-01	5.54E-02	8.85E+01	3.45E-01	3.69E-04	7.97E-02	1.08E-02	4.36E-01	3.86E-01	8.73E+01	7.97E-01	5.54E-02	8.85E+01
1235	489785.89	3858976.54	4.40223	8.01751	7.1616	0.96015	3.36E-01	8.56E+01	7.92E-01	5.49E-02	8.67E+01	3.26E-01	3.61E-04	7.92E-02	1.07E-02	4.16E-01	3.65E-01	8.56E+01	7.92E-01	5.49E-02	8.68E+01
1236	489835.89	3858976.54	4.13264	7.83558	7.0418	0.95079	3.15E-01	8.36E+01	7.79E-01	5.44E-02	8.48E+01	3.06E-01	3.53E-04	7.79E-02	1.06E-02	3.95E-01	3.43E-01	8.36E+01	7.79E-01	5.44E-02	8.48E+01
1237	489885.89	3858976.54	3.857	7.57835	6.8575	0.94013	2.94E-01	8.09E+01	7.58E-01	5.38E-02	8.20E+01	2.86E-01	3.42E-04	7.58E-02	1.05E-02	3.72E-01	3.20E-01	8.09E+01	7.58E-01	5.38E-02	8.20E+01
1238	489935.89	3858976.54	3.71566	7.35577	6.6182	0.92854	2.83E-01	7.85E+01	7.32E-01	5.31E-02	7.96E+01	2.75E-01	3.32E-04	7.32E-02	1.04E-02	3.59E-01	3.08E-01	7.85E+01	7.32E-01	5.31E-02	7.96E+01
1239	489985.89	3858976.54	3.64129	7.14971	6.3382	0.91606	2.78E-01	7.63E+01	7.01E-01	5.24E-02	7.73E+01	2.70E-01	3.22E-04	7.01E-02	1.03E-02	3.50E-01	3.02E-01	7.63E+01	7.01E-01	5.24E-02	7.74E+01
1240	490035.89	3858976.54	3.56493	6.65655	6.0182	0.9019	2.72E-01	7.10E+01	6.65E-01	5.16E-02	7.20E+01	2.64E-01	3.00E-04	6.65E-02	1.01E-02	3.41E-01	2.96E-01	7.10E+01	6.65E-01	5.16E-02	7.21E+01
1241	489385.89	3859026.54	5.17003	10.1249	6.8914	0.99128	3.94E-01	1.08E+02	7.62E-01	5.67E-02	1.09E+02	3.83E-01	4.56E-04	7.62E-02	1.11E-02	4.70E-01	4.29E-01	1.08E+02	7.62E-01	5.67E-02	1.09E+02
1242	489435.89	3859026.54	5.26201	9.83489	6.8447	0.99442	4.01E-01	1.05E+02	7.57E-01	5.69E-02	1.06E+02	3.90E-01	4.43E-04	7.57E-02	1.11E-02	4.77E-01	4.37E-01	1.05E+02	7.57E-01	5.69E-02	1.06E+02
1243	489485.89	3859026.54	5.30551	9.54708	6.7298	0.99591	4.04E-01	1.02E+02	7.44E-01	5.69E-02	1.03E+02	3.93E-01	4.30E-04	7.44E-02	1.11E-02	4.79E-01	4.40E-01	1.02E+02	7.44E-01	5.69E-02	1.03E+02
1244	489535.89	3859026.54	5.29796	9.29518	6.552	0.99583	4.04E-01	9.92E+01	7.24E-01	5.69E-02	1.00E+02	3.92E-01	4.19E-04	7.24E-02	1.11E-02	4.76E-01	4.40E-01	9.92E+01	7.24E-01	5.69E-02	1.00E+02
1245	489585.89	3859026.54	5.24688	9.0168	6.3278	0.99404	4.00E-01	9.62E+01	7.00E-01	5.68E-02	9.74E+01	3.88E-01	4.06E-04	7.00E-02	1.11E-02	4.70E-01	4.36E-01	9.62E+01	7.00E-01	5.68E-02	9.74E+01
1246	489635.89	3859026.54	5.14775	8.78867	6.6079	0.9908	3.92E-01	9.38E+01	7.31E-01	5.67E-02	9.50E+01	3.81E-01	3.96E-04	7.31E-02	1.11E-02	4.66E-01	4.27E-01	9.38E+01	7.31E-01	5.67E-02	9.50E+01
1247	489685.89	3859026.54	5.00885	8.55762	6.8662	0.98603	3.82E-01	9.13E+01	7.59E-01	5.64E-02	9.25E+01	3.71E-01	3.86E-04	7.59E-02	1.10E-02	4.58E-01	4.16E-01	9.13E+01	7.59E-01	5.64E-02	9.26E+01
1248	489735.89	3859026.54	4.83138	8.36006	7.0352	0.97991	3.68E-01	8.92E+01	7.78E-01	5.60E-02	9.04E+01	3.58E-01	3.77E-04	7.78E-02	1.10E-02	4.47E-01	4.01E-01	8.92E+01	7.78E-01	5.60E-02	9.05E+01
1249	489785.89	3859026.54	4.62435	8.15877	7.1198	0.97242	3.52E-01	8.71E+01	7.87E-01	5.56E-02	8.83E+01	3.42E-01	3.68E-04	7.87E-02	1.09E-02	4.32E-01	3.84E-01	8.71E+01	7.87E-01	5.56E-02	8.83E+01
1250	489835.89	3859026.54	4.3979	7.88811	7.1292	0.96348	3.35E-01	8.42E+01	7.88E-01	5.51E-02	8.54E+01	3.26E-01	3.56E-04	7.88E-02	1.08E-02	4.16E-01	3.65E-01	8.42E+01	7.88E-01	5.51E-02	8.54E+01
1251	489885.89	3859026.54	4.14838	7.65688	7.0592	0.9535	3.16E-01	8.17E+01	7.80E-01	5.45E-02	8.29E+01	3.07E-01	3.45E-04	7.80E-02	1.07E-02	3.96E-01	3.44E-01	8.17E+01	7.80E-01	5.45E-02	8.29E+01
1252	489935.89	3859026.54	3.88703	7.40836	6.9207	0.94241	2.96E-01	7.91E+01	7.65E-01	5.39E-02	8.02E+01	2.88E-01	3.34E-04	7.65E-02	1.05E-02	3.75E-01	3.23E-01	7.91E+01	7.65E-01	5.39E-02	8.02E+01
1253	489985.89	3859026.54	3.65405	7.16852	6.725	0.93039	2.79E-01	7.65E+01	7.44E-01	5.32E-02	7.76E+01	2.71E-01	3.23E-04	7.44E-02	1.04E-02	3.56E-01	3.03E-01	7.65E+01	7.44E-01	5.32E-02	7.76E+01
1254	490035.89	3859026.54	3.61952	6.59222	6.4735	0.91643	2.76E-01	7.04E+01	7.16E-01	5.24E-02	7.14E+01	2.68E-01	2.97E-04	7.16E-02	1.03E-02	3.50E-01	3.00E-01	7.04E+01	7.16E-01	5.24E-02	7.14E+01
1255	489485.89	3859076.54	5.11107	9.57313	6.7134	1.00126	3.90E-01	1.02E+02	7.42E-01	5.73E-02	1.03E+02	3.78E-01	4.32E-04	7.42E-02	1.12E-02	4.64E-01	4.24E-01	1.02E+02	7.42E-01	5.73E-02	1.03E+02
1256	489535.89	3859076.54	5.16709	9.28501	6.6246	1.00159	3.94E-01	9.91E+01	7.32E-01	5.73E-02	1.00E+02	3.83E-01	4.19E-04	7.32E-02	1.12E-02	4.67E-01	4.29E-01	9.91E+01	7.32E-01	5.73E-02	1.00E+02
1257	489585.89	3859076.54	5.17675	9.00611	6.4767	1.0003	3.95E-01	9.61E+01	7.16E-01	5.72E-02	9.73E+01	3.83E-01	4.06E-04	7.16E-02	1.12E-02	4.66E-01	4.30E-01	9.61E+01	7.16E-01	5.72E-02	9.73E+01
1258	489635.89	3859076.54	5.13571	8.79385	6.273	0.99763	3.91E-01	9.38E+01	6.94E-01	5.70E-02	9.50E+01	3.80E-01	3.96E-04	6.94E-02	1.12E-02	4.61E-01	4.26E-01	9.38E+01	6.94E-01	5.70E-02	9.50E+01
1259	489685.89	3859076.54	5.05342	8.57159	6.3735	0.99342	3.85E-01	9.15E+01	7.05E-01	5.68E-02	9.26E+01	3.74E-01	3.86E-04	7.05E-02	1.11E-02	4.56E-01	4.20E-01	9.15E+01	7.05E-01	5.68E-02	9.27E+01
1260	489735.89	3859076.54	4.93244	8.34594	6.6581	0.98777	3.76E-01	8.91E+01	7.36E-01	5.65E-02	9.02E+01	3.65E-01	3.76E-04	7.36E-02	1.11E-02	4.50E-01	4.09E-01	8.91E+01	7.36E-01	5.65E-02	9.03E+01
1261	489785.89	3859076.54	4.77644	8.12139	6.865	0.98079	3.64E-01	8.67E+01	7.59E-01	5.61E-02	8.78E+01	3.54E-01	3.66E-04	7.59E-02	1.10E-02	4.41E-01	3.97E-01	8.67E+01	7.59E-01	5.61E-02	8.79E+01
1262	489835.89	3859076.54	4.5935	7.86738	6.9972	0.97248	3.50E-01	8.40E+01	7.74E-01	5.56E-02	8.51E+01	3.40E-01	3.55E-04	7.74E-02	1.09E-02	4.29E-01	3.81E-01	8.40E+01	7.74E-01	5.56E-02	8.52E+01
1263	489885.89	3859076.54	4.38465	7.61516	7.051	0.96304	3.34E-01	8.13E+01	7.80E-01	5.51E-02	8.24E+01	3.25E-01	3.43E-04	7.80E-02	1.08E-02	4.14E-01	3.64E-01	8.13E+01	7.80E-01	5.51E-02	8.25E+01
1264	489935.89	3859076.54	4.15272	7.39562	7.0282	0.95263	3.17E-01	7.89E+01	7.77E-01	5.45E-02	8.01E+01	3.07E-01	3.33E-04	7.77E-02	1.07E-02	3.96E-01	3.45E-01	7.89E+01	7.77E-01	5.45E-02	8.01E+01
1265	489985.89	3859076.54	3.90859	7.13655	6.9354	0.94115	2.98E-01	7.62E+01	7.67E-01	5.38E-02	7.73E+01	2.89E-01	3.22E-04	7.67E-02	1.05E-02	3.77E-01	3.24E-01	7.62E+01	7.67E-01	5.38E-02	7.73E+01
1266	490035.89	3859076.54	3.66916	6.62838	6.775	0.92812	2.80E-01	7.07E+01	7.49E-01	5.31E-02	7.18E+01	2.72E-01	2.99E-04	7.49E-02	1.04E-02	3.57E-01	3.05E-01	7.07E+01	7.49E-01	5.31E-02	7.18E+01
1267	489585.89	3859126.54	5.02804	8.88836	6.5096	1.0042	3.83E-01	9.49E+01	7.20E-01	5.74E-02	9.60E+01	3.72E-01	4.01E-04	7.20E-02	1.12E-02	4.56E-01	4.17E-01	9.49E+01	7.20E-01	5.74E-02	9.60E+01
1268	489635.89	3859126.54	5.04493	8.66083	6.3801	1.00148	3.85E-01	9.24E+01	7.05E-01	5.73E-02	9.36E+01	3.73E-01	3.90E-04	7.05E-02	1.12E-02	4.56E-01	4.19E-01	9.24E+01	7.05E-01	5.73E-02	9.36E+01
1269	489685.89	3859126.54	5.02192	8.41644	6.2056	0.9973	3.83E-01	8.98E+01	6.86E-01	5.70E-02	9.09E+01	3.72E-01	3.79E-04	6.86E-02	1.12E-02	4.52E-01	4.17E-01	8.98E+01	6.86E-01	5.70E-02	9.10E+01
1270	489735.89	3859126.54	4.95773	8.18147	6.1268	0.99185	3.78E-01	8.73E+01	6.77E-01	5.67E-02	8.84E+01	3.67E-01	3.69E-04	6.77E-02	1.11E-02	4.46E-01	4.12E-01	8.73E+01	6.77E-01	5.67E-02	8.85E+01
1271	489785.89	3859126.54	4.85533	7.96133	6.4334	0.98521	3.70E-01	8.50E+01	7.11E-01	5.63E-02	8.61E+01	3.59E-01	3.59E-04	7.11E-02	1.10E-02	4.42E-01	4.03E-01	8.50E+01	7.11E-01	5.63E-02	8.61E+01
1272	489835.89	3859126.54	4.72157	7.72233	6.675	0.97736	3.60E-01	8.24E+01	7.38E-01	5.59E-02	8.36E+01	3.50E-01	3.48E-04	7.38E-02	1.09E-02	4.35E-01	3.92E-01	8.24E+01	7.38E-01	5.59E-02	8.36E+01
1273	489885.89	3859126.54	4.55873	7.47319	6.8447	0.96843	3.47E-01	7.98E+01	7.57E-01	5.54E-02	8.09E+01	3.37E-01	3.37E-04	7.57E-02	1.08E-02	4.24E-01	3.78E-01	7.98E+01	7.57E-01	5.54E-02	8.09E+01
1274	489935.89	3859126.54	4.36537	7.27696	6.9366	0.9587	3.33E-01	7.77E+01	7.67E-01	5.48E-02	7.88E+01	3.23E-01	3.28E-04	7.67E-02	1.07E-02	4.11E-01	3.62E-01	7.77E+01	7.67E-01	5.48E-02	7.88E+01
1275	489985.89	3859126.54	4.16205	6.95648	6.9525	0.94773	3.17E-01	7.42E+01	7.69E-01	5.42E-02	7.54E+01	3.08E-01	3.14E-04	7.69E-02	1.06E-02	3.96E-01	3.46E-01	7.42E+01	7.69E-01	5.42E-02	7.54E+01
1276	490035.89	3859126.54	3.93911	6.63627	6.8993	0.93602	3.00E-01	7.08E+01	7.63E-01	5.35E-02	7.19E+01	2.92E-01	2.99E-04	7.63E-02	1.05E-02	3.79E-01	3.27E-01	7.08E+01	7.63E-01	5.35E-02	7.20E+01
1277	489585.89	3859176.54	4.81935	8.63316	6.4412	1.00505	3.67E-01	9.21E+01	7.12E-01	5.75E-02	9.33E+01	3.57E-01	3.89E-04	7.12E-02	1.13E-02	4.40E-01	4.00E-01	9.21E+01	7.12E-01	5.75E-02	9.33E+01

1278	489635.89	3859176.54	4.88966	8.40872	6.3882	1.0017	3.73E-01	8.97E+01	7.06E-01	5.73E-02	9.09E+01	3.62E-01	3.79E-04	7.06E-02	1.12E-02	4.44E-01	4.06E-01	8.97E+01	7.06E-01	5.73E-02	9.09E+01
1279	489685.89	3859176.54	4.91737	8.20549	6.2801	0.9973	3.75E-01	8.76E+01	6.94E-01	5.70E-02	8.87E+01	3.64E-01	3.70E-04	6.94E-02	1.12E-02	4.45E-01	4.08E-01	8.76E+01	6.94E-01	5.70E-02	8.87E+01
1280	489735.89	3859176.54	4.90544	8.00488	6.1268	0.99186	3.74E-01	8.54E+01	6.77E-01	5.67E-02	8.65E+01	3.63E-01	3.61E-04	6.77E-02	1.11E-02	4.42E-01	4.07E-01	8.54E+01	6.77E-01	5.67E-02	8.66E+01
1281	489785.89	3859176.54	4.86142	7.7643	5.9424	0.98525	3.71E-01	8.29E+01	6.57E-01	5.63E-02	8.39E+01	3.60E-01	3.50E-04	6.57E-02	1.10E-02	4.37E-01	4.04E-01	8.29E+01	6.57E-01	5.63E-02	8.40E+01
1282	489835.89	3859176.54	4.7779	7.55425	6.1994	0.97783	3.64E-01	8.06E+01	6.85E-01	5.59E-02	8.17E+01	3.54E-01	3.41E-04	6.85E-02	1.09E-02	4.34E-01	3.97E-01	8.06E+01	6.85E-01	5.59E-02	8.18E+01
1283	489885.89	3859176.54	4.66362	7.33207	6.4672	0.96951	3.55E-01	7.82E+01	7.15E-01	5.54E-02	7.94E+01	3.45E-01	3.31E-04	7.15E-02	1.09E-02	4.28E-01	3.87E-01	7.82E+01	7.15E-01	5.54E-02	7.94E+01
1284	489935.89	3859176.54	4.5149	7.15549	6.6631	0.96055	3.44E-01	7.64E+01	7.37E-01	5.49E-02	7.75E+01	3.34E-01	3.23E-04	7.37E-02	1.08E-02	4.19E-01	3.75E-01	7.64E+01	7.37E-01	5.49E-02	7.75E+01
1285	489985.89	3859176.54	4.35176	6.85776	6.7914	0.95046	3.32E-01	7.32E+01	7.51E-01	5.44E-02	7.43E+01	3.22E-01	3.09E-04	7.51E-02	1.06E-02	4.08E-01	3.61E-01	7.32E+01	7.51E-01	5.44E-02	7.44E+01
1286	490035.89	3859176.54	4.15129	6.70356	6.8474	0.94016	3.16E-01	7.15E+01	7.57E-01	5.38E-02	7.27E+01	3.07E-01	3.02E-04	7.57E-02	1.05E-02	3.94E-01	3.45E-01	7.15E+01	7.57E-01	5.38E-02	7.27E+01
1287	489685.89	3859226.54	4.75444	7.93811	6.2654	0.9923	3.62E-01	8.47E+01	6.93E-01	5.67E-02	8.58E+01	3.52E-01	3.58E-04	6.93E-02	1.11E-02	4.33E-01	3.95E-01	8.47E+01	6.93E-01	5.67E-02	8.59E+01
1288	489735.89	3859226.54	4.79039	7.78764	6.1754	0.98691	3.65E-01	8.31E+01	6.83E-01	5.64E-02	8.42E+01	3.55E-01	3.51E-04	6.83E-02	1.10E-02	4.34E-01	3.98E-01	8.31E+01	6.83E-01	5.64E-02	8.42E+01
1289	489785.89	3859226.54	4.79575	7.58651	6.0497	0.98064	3.66E-01	8.10E+01	6.69E-01	5.61E-02	8.21E+01	3.55E-01	3.42E-04	6.69E-02	1.10E-02	4.33E-01	3.98E-01	8.10E+01	6.69E-01	5.61E-02	8.21E+01
1290	489835.89	3859226.54	4.76774	7.36073	5.891	0.97363	3.63E-01	7.86E+01	6.51E-01	5.57E-02	7.96E+01	3.53E-01	3.32E-04	6.51E-02	1.09E-02	4.29E-01	3.96E-01	7.86E+01	6.51E-01	5.57E-02	7.97E+01
1291	489885.89	3859226.54	4.70168	7.17118	5.9615	0.9662	3.58E-01	7.65E+01	6.59E-01	5.53E-02	7.76E+01	3.48E-01	3.23E-04	6.59E-02	1.08E-02	4.25E-01	3.90E-01	7.65E+01	6.59E-01	5.53E-02	7.76E+01
1292	489935.89	3859226.54	4.60239	6.97932	6.2456	0.95818	3.51E-01	7.45E+01	6.91E-01	5.48E-02	7.56E+01	3.41E-01	3.15E-04	6.91E-02	1.07E-02	4.21E-01	3.82E-01	7.45E+01	6.91E-01	5.48E-02	7.56E+01
1293	489985.89	3859226.54	4.48688	6.65274	6.4661	0.94912	3.42E-01	7.10E+01	7.15E-01	5.43E-02	7.21E+01	3.32E-01	3.00E-04	7.15E-02	1.06E-02	4.15E-01	3.73E-01	7.10E+01	7.15E-01	5.43E-02	7.21E+01
1294	490035.89	3859226.54	4.32281	6.54423	6.6212	0.9403	3.29E-01	6.98E+01	7.32E-01	5.38E-02	7.10E+01	3.20E-01	2.95E-04	7.32E-02	1.05E-02	4.04E-01	3.59E-01	6.98E+01	7.32E-01	5.38E-02	7.10E+01
1295	489735.89	3859276.54	4.61976	7.54687	6.1374	0.97726	3.52E-01	8.05E+01	6.79E-01	5.59E-02	8.16E+01	3.42E-01	3.40E-04	6.79E-02	1.09E-02	4.21E-01	3.84E-01	8.05E+01	6.79E-01	5.59E-02	8.17E+01
1296	489785.89	3859276.54	4.66883	7.38261	6.0714	0.97183	3.56E-01	7.88E+01	6.71E-01	5.56E-02	7.99E+01	3.46E-01	3.33E-04	6.71E-02	1.09E-02	4.24E-01	3.88E-01	7.88E+01	6.71E-01	5.56E-02	7.99E+01
1297	489835.89	3859276.54	4.69061	7.15798	5.9733	0.96574	3.58E-01	7.64E+01	6.60E-01	5.52E-02	7.75E+01	3.47E-01	3.23E-04	6.60E-02	1.08E-02	4.24E-01	3.89E-01	7.64E+01	6.60E-01	5.52E-02	7.75E+01
1298	489885.89	3859276.54	4.67126	6.98655	5.8294	0.9596	3.56E-01	7.46E+01	6.45E-01	5.49E-02	7.56E+01	3.46E-01	3.15E-04	6.45E-02	1.07E-02	4.21E-01	3.88E-01	7.46E+01	6.45E-01	5.49E-02	7.56E+01
1299	489935.89	3859276.54	4.62302	6.77614	5.7193	0.95287	3.52E-01	7.23E+01	6.32E-01	5.45E-02	7.34E+01	3.42E-01	3.05E-04	6.32E-02	1.07E-02	4.16E-01	3.84E-01	7.23E+01	6.32E-01	5.45E-02	7.34E+01
1300	489985.89	3859276.54	4.55762	6.42761	6.0143	0.9452	3.47E-01	6.86E+01	6.65E-01	5.40E-02	6.97E+01	3.37E-01	2.90E-04	6.65E-02	1.06E-02	4.15E-01	3.78E-01	6.86E+01	6.65E-01	5.40E-02	6.97E+01
1301	490035.89	3859276.54	4.42734	6.40912	6.2556	0.93844	3.37E-01	6.84E+01	6.92E-01	5.37E-02	6.95E+01	3.28E-01	2.89E-04	6.92E-02	1.05E-02	4.08E-01	3.68E-01	6.84E+01	6.92E-01	5.37E-02	6.95E+01
1302	490458.06	3859590.74	3.82563	5.26861	5.3045	0.95481	2.92E-01	5.62E+01	5.86E-01	5.46E-02	5.72E+01	2.83E-01	2.38E-04	5.86E-02	1.07E-02	3.53E-01	3.18E-01	5.62E+01	5.86E-01	5.46E-02	5.72E+01
1303	490508.06	3859590.74	3.72725	5.14221	5.5189	0.95725	2.84E-01	5.49E+01	6.10E-01	5.47E-02	5.58E+01	2.76E-01	2.32E-04	6.10E-02	1.07E-02	3.48E-01	3.09E-01	5.49E+01	6.10E-01	5.47E-02	5.59E+01
1304	490558.06	3859590.74	3.60876	5.01546	5.6943	0.95591	2.75E-01	5.35E+01	6.30E-01	5.47E-02	5.45E+01	2.67E-01	2.26E-04	6.30E-02	1.07E-02	3.41E-01	3.00E-01	5.35E+01	6.30E-01	5.47E-02	5.45E+01
1305	490608.06	3859590.74	3.47473	4.87573	5.8163	0.95179	2.65E-01	5.20E+01	6.43E-01	5.44E-02	5.30E+01	2.57E-01	2.20E-04	6.43E-02	1.07E-02	3.32E-01	2.88E-01	5.20E+01	6.43E-01	5.44E-02	5.30E+01
1306	490658.06	3859590.74	3.32689	4.72158	5.8905	0.94688	2.54E-01	5.04E+01	6.51E-01	5.41E-02	5.13E+01	2.46E-01	2.13E-04	6.51E-02	1.06E-02	3.22E-01	2.76E-01	5.04E+01	6.51E-01	5.41E-02	5.14E+01
1307	490708.06	3859590.74	3.16595	4.55995	5.9302	0.94179	2.41E-01	4.87E+01	6.56E-01	5.39E-02	4.96E+01	2.34E-01	2.06E-04	6.56E-02	1.05E-02	3.11E-01	2.63E-01	4.87E+01	6.56E-01	5.39E-02	4.96E+01
1308	490758.06	3859590.74	2.99559	4.37858	5.9338	0.9361	2.28E-01	4.67E+01	6.56E-01	5.35E-02	4.77E+01	2.22E-01	1.97E-04	6.56E-02	1.05E-02	2.98E-01	2.49E-01	4.67E+01	6.56E-01	5.35E-02	4.77E+01
1309	490808.06	3859590.74	2.84577	4.23085	5.9051	0.93162	2.17E-01	4.52E+01	6.53E-01	5.33E-02	4.61E+01	2.11E-01	1.91E-04	6.53E-02	1.04E-02	2.87E-01	2.36E-01	4.52E+01	6.53E-01	5.33E-02	4.61E+01
1310	490858.06	3859590.74	2.81923	4.06754	5.8434	0.92662	2.15E-01	4.34E+01	6.46E-01	5.30E-02	4.43E+01	2.09E-01	1.83E-04	6.46E-02	1.04E-02	2.84E-01	2.34E-01	4.34E+01	6.46E-01	5.30E-02	4.43E+01
1311	490458.06	3859640.74	3.84268	5.36113	4.8438	0.96158	2.93E-01	5.72E+01	5.36E-01	5.50E-02	5.81E+01	2.84E-01	2.42E-04	5.36E-02	1.08E-02	3.49E-01	3.19E-01	5.72E+01	5.36E-01	5.50E-02	5.81E+01
1312	490508.06	3859640.74	3.77404	5.2575	5.0901	0.96434	2.88E-01	5.61E+01	5.63E-01	5.51E-02	5.70E+01	2.79E-01	2.37E-04	5.63E-02	1.08E-02	3.47E-01	3.13E-01	5.61E+01	5.63E-01	5.51E-02	5.70E+01
1313	490558.06	3859640.74	3.68494	5.15219	5.3102	0.96485	2.81E-01	5.50E+01	5.87E-01	5.52E-02	5.59E+01	2.73E-01	2.32E-04	5.87E-02	1.08E-02	3.43E-01	3.06E-01	5.50E+01	5.87E-01	5.52E-02	5.59E+01
1314	490608.06	3859640.74	3.58214	5.01991	5.5093	0.96012	2.73E-01	5.36E+01	6.09E-01	5.49E-02	5.45E+01	2.65E-01	2.26E-04	6.09E-02	1.07E-02	3.37E-01	2.97E-01	5.36E+01	6.09E-01	5.49E-02	5.45E+01
1315	490658.06	3859640.74	3.46235	4.87105	5.6498	0.95375	2.64E-01	5.20E+01	6.25E-01	5.45E-02	5.29E+01	2.56E-01	2.20E-04	6.25E-02	1.07E-02	3.30E-01	2.87E-01	5.20E+01	6.25E-01	5.45E-02	5.29E+01
1316	490708.06	3859640.74	3.32409	4.72948	5.7436	0.9481	2.53E-01	5.05E+01	6.35E-01	5.42E-02	5.14E+01	2.46E-01	2.13E-04	6.35E-02	1.06E-02	3.20E-01	2.76E-01	5.05E+01	6.35E-01	5.42E-02	5.14E+01
1317	490758.06	3859640.74	3.17346	4.56678	5.8039	0.94183	2.42E-01	4.87E+01	6.42E-01	5.39E-02	4.97E+01	2.35E-01	2.06E-04	6.42E-02	1.05E-02	3.10E-01	2.63E-01	4.87E+01	6.42E-01	5.39E-02	4.97E+01
1318	490808.06	3859640.74	3.00772	4.44674	5.8334	0.93727	2.29E-01	4.75E+01	6.45E-01	5.36E-02	4.84E+01	2.23E-01	2.00E-04	6.45E-02	1.05E-02	2.98E-01	2.50E-01	4.75E+01	6.45E-01	5.36E-02	4.84E+01
1319	490858.06	3859640.74	2.83414	4.32733	5.8296	0.93273	2.16E-01	4.62E+01	6.45E-01	5.33E-02	4.71E+01	2.10E-01	1.95E-04	6.45E-02	1.04E-02	2.85E-01	2.35E-01	4.62E+01	6.45E-01	5.33E-02	4.71E+01
1320	490608.06	3859690.74	3.64942	5.107	5.1203	0.96043	2.78E-01	5.45E+01	5.66E-01	5.49E-02	5.54E+01	2.70E-01	2.30E-04	5.66E-02	1.08E-02	3.38E-01	3.03E-01	5.45E+01	5.66E-01	5.49E-02	5.54E+01
1321	490658.06	3859690.74	3.55771	4.97626	5.3286	0.95381	2.71E-01	5.31E+01	5.89E-01	5.45E-02	5.40E+01	2.63E-01	2.24E-04	5.89E-02	1.07E-02	3.33E-01	2.95E-01	5.31E+01	5.89E-01	5.45E-02	5.40E+01
1322	490708.06	3859690.74	3.4453	4.84636	5.4784	0.94754	2.63E-01	5.17E+01	6.06E-01	5.42E-02	5.26E+01	2.55E-01	2.18E-04	6.06E-02	1.06E-02	3.26E-01	2.86E-01	5.17E+01	6.06E-01	5.42E-02	5.27E+01
1323	490758.06	3859690.74	3.31842	4.6961	5.5879	0.94078	2.53E-01	5.01E+01	6.18E-01	5.38E-02	5.10E+01	2.46E-01	2.12E-04	6.18E-02	1.05E-02	3.18E-01	2.75E-01	5.01E+01	6.18E-01	5.38E-02	5.11E+01
1324	490808.06	3859690.74	3.17428	4.56717	5.6694	0.93515	2.42E-01	4.87E+01	6.27E-01	5.35E-02	4.97E+01	2.35E-01	2.06E-04	6.27E-02	1.05E-02	3.08E-01	2.64E-01	4.87E+01	6.27E-01	5.35E-02	4.97E+01
1325	490858.06	3859690.74	3.01315	4.5024	5.7229	0.93195	2.30E-01	4.80E+01	6.33E-01	5.33E-02	4.90E+01	2.23E-01	2.03E-04	6.33E-02	1.04E-02	2.97E-01	2.50E-01	4.80E+01	6.33E-01	5.33E-02	4.90E+01
1326	490708.06	3859740.74	3.52462	4.89887	5.1415	0.94074	2.69E-01	5.23E+01	5.68E-01	5.38E-02	5.32E+01	2.61E-01	2.21E-04	5.68E-02	1.05E-02	3.29E-01	2.93E-01	5.23E+01	5.68E-01	5.38E-02	5.32E+01
1327	490758.06	3859740.74	3.41593	4.81075	5.3086	0.93606	2.60E-01	5.13E+01	5.87E-01	5.35E-02	5.22E+01	2.53E-01	2.17E-04	5.87E-02	1.05E-02	3.22E-01	2.84E-01	5.13E+01	5.87E-01	5.35E-02	5.23E+01
1328	490808.06	3859740.74	3.2953	4.70367	5.438	0.93047	2.51E-01	5.02E+01	6.01E-01	5.32E-02	5.11E+01	2.44E-01	2.12E-04	6.01E-02	1.04E-02	3.15E-01	2.74E-01	5.02E+01	6.01E-01	5.32E-02	5.11E+01
1329	490858.06	3859740.74	3.15852	4.61079	5.5368	0.92563	2.41E-01	4.92E+01	6.12E-01	5.29E-02	5.01E+01	2.34E-01	2.08E-04	6.12E-02	1.04E-02	3.06E-01	2.62E-01	4.92E+01	6.12E-01	5.29E-02	5.01E+01
1330	490786.56	3859749.39	3.36444	4.75829	5.3358	0.93127	2.56E-01	5.08E+01	5.90E-01	5.33E-02	5.17E+01	2.49E-01	2.14E-04	5.90E-02	1.04E-02	3.19E-01	2.79E-01	5.08E+01	5.90E-01	5.33E-02	5.17E+01
1331	490836.56	3859749.39	3.23893	4.65494	5.4551	0.9258	2.47E-01	4.97E+01	6.03E-01	5.29E-02	5.06E+01	2.40E-01	2.10E-04	6.03E-02	1.04E-02	3.11E-01	2.69E-01	4.97E+01	6.03E-01	5.29E-02	5.06E+01
1332	490786.56	3859799.39	3.43487	4.73038	4.9776	0.91698	2.62E-01	5.05E+01	5.50E-01	5.24E-02	5.13E+01	2.54E-01	2.13E-04	5.50E-02	1.03E-02	3.20E-01	2.85E-01	5.05E+01	5.50E-01	5.24E-02	5.14E+01
1333	490836.56	3859799.39	3.33476	4.63748	5.1574	0.91126	2.54E-01	4.95E+01	5.70E-01	5.21E-02	5.04E+01	2.47E-01	2.09E-04	5.70E-02	1.02E-02	3.14E-01	2.77E-01	4.95E+01	5.70E-01	5.21E-02	5.04E+01
1334	492307.84	3854508.36	1.88846	0.34536	10.803	0.93725	1.44E-01	3.69E+00	1.19E+00	5.36E-02	5.08E+00	1.40E-01	1.56E-05	1.19E-01	1.05E-02	2.70E-01	1.57E-01	3.69E+00	1.19E+00	5.36E-02	5.09E+00
1335	486445.7	3854753.6	1.94826	0.40769	12.513	2.57158	1.48E-01	4.35E+00	1.38E+00	1.47E-01	6.03E+00	1.44E-01	1.84E-05	1.38E-01	2.88E-02	3.11E-01	1.62E-01	4.35E+00	1.38E+00	1.47E-01	6.04E+00
1336	472599.75	3877830.11	0.32201	0.2883	0.8943	0.31314	2.45E-02	3.08E+00	9.89E-02	1.79E-02	3.22E+00	2.38E-02	1.30E-05	9.89E-03	3.51E-03	3.72E-02	2.67E-02	3.08E+00	9.89E-02	1.79E-02	3.22E+00
1337	493107.48	3866840.19	1.0534	0.62894	2.0777	3.45525	8.03E-02	6.71E+00	2.30E-01	1.98E-01	7.22E+00	7.80E-02	2.84E-05	2.30E-02	3.87E-02	1.40E-01	8.75E-02	6.71E+00	2.30E-01	1.98E-01	7.23E+00
1338	495815.8	3861662.87	1.98873	1.22823	2.7105	0.6396	1.52E-01	1.31E+01	3.00E-01	3.66E-02	1.36E+01	1.47E-01	5.54E-05	3.00E-02	7.16E-03	1.84E-01	1.65E-01	1.31E+01	3.00E-01	3.66E-02	1.36E+01

1339	480272.33	3841389.2	0.3424	0.1551	0.6173	0.34305	2.61E-02	1.66E+00	6.82E-02	1.96E-02	1.77E+00	2.53E-02	6.99E-06	6.82E-03	3.84E-03	3.60E-02	2.84E-02	1.66E+00	6.82E-02	1.96E-02	1.77E+00
1340	497005.18	3862813.64	1.30609	1.2343	2.2093	0.56014	9.96E-02	1.32E+01	2.44E-01	3.20E-02	1.35E+01	9.67E-02	5.56E-05	2.44E-02	6.27E-03	1.27E-01	1.08E-01	1.32E+01	2.44E-01	3.20E-02	1.36E+01
1341	493677.33	3860302.55	2.94505	2.28229	4.68	0.75029	2.24E-01	2.44E+01	5.17E-01	4.29E-02	2.51E+01	2.18E-01	1.03E-04	5.17E-02	8.40E-03	2.78E-01	2.45E-01	2.44E+01	5.17E-01	4.29E-02	2.52E+01
1342	493727.33	3860302.55	2.88408	2.26332	4.6744	0.74954	2.20E-01	2.42E+01	5.17E-01	4.29E-02	2.49E+01	2.14E-01	1.02E-04	5.17E-02	8.39E-03	2.74E-01	2.39E-01	2.42E+01	5.17E-01	4.29E-02	2.50E+01
1343	493777.33	3860302.55	2.81957	2.24173	4.6442	0.74862	2.15E-01	2.39E+01	5.13E-01	4.28E-02	2.47E+01	2.09E-01	1.01E-04	5.13E-02	8.38E-03	2.69E-01	2.34E-01	2.39E+01	5.13E-01	4.28E-02	2.47E+01
1344	493827.33	3860302.55	2.75356	2.21933	4.5992	0.74764	2.10E-01	2.37E+01	5.08E-01	4.28E-02	2.44E+01	2.04E-01	1.00E-04	5.08E-02	8.37E-03	2.63E-01	2.29E-01	2.37E+01	5.08E-01	4.28E-02	2.45E+01
1345	493877.33	3860302.55	2.68087	2.20262	4.5603	0.74695	2.04E-01	2.35E+01	5.04E-01	4.27E-02	2.43E+01	1.98E-01	9.93E-05	5.04E-02	8.36E-03	2.57E-01	2.23E-01	2.35E+01	5.04E-01	4.27E-02	2.43E+01
1346	493927.33	3860302.55	2.60657	2.18901	4.5187	0.7464	1.99E-01	2.34E+01	5.00E-01	4.27E-02	2.41E+01	1.93E-01	9.87E-05	5.00E-02	8.36E-03	2.51E-01	2.16E-01	2.34E+01	5.00E-01	4.27E-02	2.41E+01
1347	493977.33	3860302.55	2.53746	2.14955	4.3871	0.74454	1.93E-01	2.29E+01	4.85E-01	4.26E-02	2.37E+01	1.88E-01	9.69E-05	4.85E-02	8.33E-03	2.45E-01	2.11E-01	2.29E+01	4.85E-01	4.26E-02	2.37E+01
1348	494027.33	3860302.55	2.4741	2.12145	4.2845	0.7433	1.89E-01	2.26E+01	4.74E-01	4.25E-02	2.33E+01	1.83E-01	9.56E-05	4.74E-02	8.32E-03	2.39E-01	2.05E-01	2.26E+01	4.74E-01	4.25E-02	2.34E+01
1349	493677.33	3860352.55	2.99532	2.26261	4.6052	0.72527	2.28E-01	2.41E+01	5.09E-01	4.15E-02	2.49E+01	2.22E-01	1.02E-04	5.09E-02	8.12E-03	2.81E-01	2.49E-01	2.41E+01	5.09E-01	4.15E-02	2.49E+01
1350	493727.33	3860352.55	2.94156	2.24914	4.638	0.7251	2.24E-01	2.40E+01	5.13E-01	4.15E-02	2.48E+01	2.18E-01	1.01E-04	5.13E-02	8.12E-03	2.77E-01	2.44E-01	2.40E+01	5.13E-01	4.15E-02	2.48E+01
1351	493777.33	3860352.55	2.88268	2.23498	4.6557	0.72485	2.20E-01	2.39E+01	5.15E-01	4.14E-02	2.46E+01	2.13E-01	1.01E-04	5.15E-02	8.11E-03	2.73E-01	2.39E-01	2.39E+01	5.15E-01	4.14E-02	2.46E+01
1352	493827.33	3860352.55	2.82346	2.21845	4.6764	0.72435	2.15E-01	2.37E+01	5.17E-01	4.14E-02	2.44E+01	2.09E-01	1.00E-04	5.17E-02	8.11E-03	2.69E-01	2.34E-01	2.37E+01	5.17E-01	4.14E-02	2.45E+01
1353	493877.33	3860352.55	2.7614	2.19915	4.6855	0.72359	2.10E-01	2.35E+01	5.18E-01	4.14E-02	2.42E+01	2.04E-01	9.91E-05	5.18E-02	8.10E-03	2.64E-01	2.29E-01	2.35E+01	5.18E-01	4.14E-02	2.43E+01
1354	493927.33	3860352.55	2.70005	2.17474	4.6362	0.7225	2.06E-01	2.32E+01	5.13E-01	4.13E-02	2.40E+01	2.00E-01	9.80E-05	5.13E-02	8.09E-03	2.59E-01	2.24E-01	2.32E+01	5.13E-01	4.13E-02	2.40E+01
1355	493977.33	3860352.55	2.63593	2.14473	4.5474	0.72119	2.01E-01	2.29E+01	5.03E-01	4.12E-02	2.36E+01	1.95E-01	9.67E-05	5.03E-02	8.07E-03	2.54E-01	2.19E-01	2.29E+01	5.03E-01	4.12E-02	2.37E+01
1356	494027.33	3860352.55	2.56518	2.12785	4.4967	0.72063	1.96E-01	2.27E+01	4.97E-01	4.12E-02	2.34E+01	1.90E-01	9.59E-05	4.97E-02	8.07E-03	2.48E-01	2.13E-01	2.27E+01	4.97E-01	4.12E-02	2.35E+01
1357	493677.33	3860402.55	3.0187	2.23034	4.2559	0.69871	2.30E-01	2.38E+01	4.71E-01	4.00E-02	2.45E+01	2.23E-01	1.01E-04	4.71E-02	7.82E-03	2.78E-01	2.51E-01	2.38E+01	4.71E-01	4.00E-02	2.46E+01
1358	493727.33	3860402.55	2.97532	2.21808	4.3153	0.69883	2.27E-01	2.37E+01	4.77E-01	4.00E-02	2.44E+01	2.20E-01	1.00E-04	4.77E-02	7.82E-03	2.76E-01	2.47E-01	2.37E+01	4.77E-01	4.00E-02	2.44E+01
1359	493777.33	3860402.55	2.93612	2.19818	4.4897	0.69782	2.24E-01	2.35E+01	4.96E-01	3.99E-02	2.42E+01	2.17E-01	9.91E-05	4.96E-02	7.81E-03	2.75E-01	2.44E-01	2.35E+01	4.96E-01	3.99E-02	2.42E+01
1360	493827.33	3860402.55	2.881	2.18824	4.482	0.69819	2.20E-01	2.34E+01	4.96E-01	3.99E-02	2.41E+01	2.13E-01	9.86E-05	4.96E-02	7.82E-03	2.71E-01	2.39E-01	2.34E+01	4.96E-01	3.99E-02	2.41E+01
1361	493877.33	3860402.55	2.82405	2.17496	4.5099	0.69812	2.15E-01	2.32E+01	4.99E-01	3.99E-02	2.40E+01	2.09E-01	9.80E-05	4.99E-02	7.81E-03	2.67E-01	2.34E-01	2.32E+01	4.99E-01	3.99E-02	2.40E+01
1362	493927.33	3860402.55	2.77282	2.1535	4.6329	0.69708	2.11E-01	2.30E+01	5.12E-01	3.99E-02	2.37E+01	2.05E-01	9.71E-05	5.12E-02	7.80E-03	2.64E-01	2.30E-01	2.30E+01	5.12E-01	3.99E-02	2.38E+01
1363	493977.33	3860402.55	2.71893	2.12635	4.6366	0.69579	2.07E-01	2.27E+01	5.13E-01	3.98E-02	2.35E+01	2.01E-01	9.59E-05	5.13E-02	7.79E-03	2.60E-01	2.26E-01	2.27E+01	5.13E-01	3.98E-02	2.35E+01
1364	494027.33	3860402.55	2.6524	2.11473	4.6328	0.69575	2.02E-01	2.26E+01	5.12E-01	3.98E-02	2.33E+01	1.96E-01	9.53E-05	5.12E-02	7.79E-03	2.55E-01	2.20E-01	2.26E+01	5.12E-01	3.98E-02	2.33E+01
1365	493677.33	3860452.55	3.02728	2.17764	3.9271	0.66958	2.31E-01	2.32E+01	4.34E-01	3.83E-02	2.39E+01	2.24E-01	9.82E-05	4.34E-02	7.50E-03	2.75E-01	2.51E-01	2.32E+01	4.34E-01	3.83E-02	2.40E+01
1366	493727.33	3860452.55	2.98758	2.16959	3.9464	0.67077	2.28E-01	2.32E+01	4.36E-01	3.84E-02	2.39E+01	2.21E-01	9.78E-05	4.36E-02	7.51E-03	2.72E-01	2.48E-01	2.32E+01	4.36E-01	3.84E-02	2.39E+01
1367	493777.33	3860452.55	2.95042	2.15807	4.0335	0.67102	2.25E-01	2.30E+01	4.46E-01	3.84E-02	2.37E+01	2.18E-01	9.73E-05	4.46E-02	7.51E-03	2.71E-01	2.45E-01	2.30E+01	4.46E-01	3.84E-02	2.38E+01
1368	493827.33	3860452.55	2.9164	2.14418	4.1783	0.6705	2.22E-01	2.29E+01	4.62E-01	3.83E-02	2.36E+01	2.16E-01	9.67E-05	4.62E-02	7.51E-03	2.70E-01	2.42E-01	2.29E+01	4.62E-01	3.83E-02	2.36E+01
1369	493877.33	3860452.55	2.87362	2.13036	4.2923	0.67019	2.19E-01	2.27E+01	4.75E-01	3.83E-02	2.35E+01	2.13E-01	9.60E-05	4.75E-02	7.50E-03	2.68E-01	2.39E-01	2.27E+01	4.75E-01	3.83E-02	2.35E+01
1370	493927.33	3860452.55	2.83502	2.1101	4.4929	0.66908	2.16E-01	2.25E+01	4.97E-01	3.83E-02	2.33E+01	2.10E-01	9.51E-05	4.97E-02	7.49E-03	2.67E-01	2.35E-01	2.25E+01	4.97E-01	3.83E-02	2.33E+01
1371	493977.33	3860452.55	2.78004	2.09759	4.5397	0.66914	2.12E-01	2.24E+01	5.02E-01	3.83E-02	2.31E+01	2.06E-01	9.46E-05	5.02E-02	7.49E-03	2.64E-01	2.31E-01	2.24E+01	5.02E-01	3.83E-02	2.32E+01
1372	494027.33	3860452.55	2.7224	2.08526	4.5669	0.66921	2.08E-01	2.23E+01	5.05E-01	3.83E-02	2.30E+01	2.02E-01	9.40E-05	5.05E-02	7.49E-03	2.60E-01	2.26E-01	2.23E+01	5.05E-01	3.83E-02	2.30E+01
1373	493677.33	3860502.55	3.01127	2.11623	3.5437	0.63923	2.30E-01	2.26E+01	3.92E-01	3.66E-02	2.32E+01	2.23E-01	9.54E-05	3.92E-02	7.16E-03	2.69E-01	2.50E-01	2.26E+01	3.92E-01	3.66E-02	2.33E+01
1374	493727.33	3860502.55	2.98529	2.10837	3.6183	0.64045	2.28E-01	2.25E+01	4.00E-01	3.66E-02	2.32E+01	2.21E-01	9.50E-05	4.00E-02	7.17E-03	2.68E-01	2.48E-01	2.25E+01	4.00E-01	3.66E-02	2.32E+01
1375	493777.33	3860502.55	2.95988	2.09846	3.728	0.641	2.26E-01	2.24E+01	4.12E-01	3.67E-02	2.31E+01	2.19E-01	9.46E-05	4.12E-02	7.18E-03	2.68E-01	2.46E-01	2.24E+01	4.12E-01	3.67E-02	2.31E+01
1376	493827.33	3860502.55	2.93022	2.08814	3.8337	0.64142	2.23E-01	2.23E+01	4.24E-01	3.67E-02	2.30E+01	2.17E-01	9.41E-05	4.24E-02	7.18E-03	2.67E-01	2.43E-01	2.23E+01	4.24E-01	3.67E-02	2.30E+01
1377	493877.33	3860502.55	2.90023	2.07592	3.985	0.64115	2.21E-01	2.22E+01	4.41E-01	3.67E-02	2.29E+01	2.15E-01	9.36E-05	4.41E-02	7.18E-03	2.66E-01	2.41E-01	2.22E+01	4.41E-01	3.67E-02	2.29E+01
1378	493927.33	3860502.55	2.86965	2.06143	4.1621	0.64057	2.19E-01	2.20E+01	4.60E-01	3.66E-02	2.27E+01	2.12E-01	9.29E-05	4.60E-02	7.17E-03	2.66E-01	2.38E-01	2.20E+01	4.60E-01	3.66E-02	2.27E+01
1379	493977.33	3860502.55	2.82193	2.05165	4.2169	0.64109	2.15E-01	2.19E+01	4.66E-01	3.67E-02	2.26E+01	2.09E-01	9.25E-05	4.66E-02	7.18E-03	2.63E-01	2.34E-01	2.19E+01	4.66E-01	3.67E-02	2.26E+01
1380	494027.33	3860502.55	2.77446	2.04017	4.2915	0.64128	2.11E-01	2.18E+01	4.74E-01	3.67E-02	2.25E+01	2.05E-01	9.20E-05	4.74E-02	7.18E-03	2.60E-01	2.30E-01	2.18E+01	4.74E-01	3.67E-02	2.25E+01
1381	493627.33	3860552.55	2.97375	2.09184	3.6171	0.60686	2.27E-01	2.23E+01	4.00E-01	3.47E-02	2.30E+01	2.20E-01	9.43E-05	4.00E-02	6.79E-03	2.67E-01	2.47E-01	2.23E+01	4.00E-01	3.47E-02	2.30E+01
1382	493677.33	3860552.55	2.96641	2.07138	3.5407	0.60847	2.26E-01	2.21E+01	3.91E-01	3.48E-02	2.28E+01	2.20E-01	9.34E-05	3.91E-02	6.81E-03	2.66E-01	2.46E-01	2.21E+01	3.91E-01	3.48E-02	2.28E+01
1383	493727.33	3860552.55	2.95402	2.04831	3.4636	0.60984	2.25E-01	2.19E+01	3.83E-01	3.49E-02	2.25E+01	2.19E-01	9.23E-05	3.83E-02	6.83E-03	2.64E-01	2.45E-01	2.19E+01	3.83E-01	3.49E-02	2.25E+01
1384	493777.33	3860552.55	2.94332	2.03737	3.3931	0.61037	2.24E-01	2.17E+01	3.75E-01	3.49E-02	2.24E+01	2.18E-01	9.18E-05	3.75E-02	6.83E-03	2.62E-01	2.44E-01	2.17E+01	3.75E-01	3.49E-02	2.24E+01
1385	493827.33	3860552.55	2.93074	2.02435	3.5239	0.6104	2.23E-01	2.16E+01	3.90E-01	3.49E-02	2.23E+01	2.17E-01	9.13E-05	3.90E-02	6.83E-03	2.63E-01	2.43E-01	2.16E+01	3.90E-01	3.49E-02	2.23E+01
1386	493877.33	3860552.55	2.90313	2.01593	3.6196	0.61135	2.21E-01	2.15E+01	4.00E-01	3.50E-02	2.22E+01	2.15E-01	9.09E-05	4.00E-02	6.84E-03	2.62E-01	2.41E-01	2.15E+01	4.00E-01	3.50E-02	2.22E+01
1387	493927.33	3860552.55	2.87925	2.00488	3.7663	0.61141	2.19E-01	2.14E+01	4.16E-01	3.50E-02	2.21E+01	2.13E-01	9.04E-05	4.16E-02	6.84E-03	2.62E-01	2.39E-01	2.14E+01	4.16E-01	3.50E-02	2.21E+01
1388	493977.33	3860552.55	2.85006	1.99277	3.9224	0.61129	2.17E-01	2.13E+01	4.34E-01	3.50E-02	2.20E+01	2.11E-01	8.98E-05	4.34E-02	6.84E-03	2.61E-01	2.37E-01	2.13E+01	4.34E-01	3.50E-02	2.20E+01
1389	494027.33	3860552.55	2.80972	1.98397	3.9941	0.61202	2.14E-01	2.12E+01	4.42E-01	3.50E-02	2.19E+01	2.08E-01	8.94E-05	4.42E-02	6.85E-03	2.59E-01	2.33E-01	2.12E+01	4.42E-01	3.50E-02	2.19E+01
1390	493627.33	3860602.55	2.90197	2.07788	3.6766	0.59863	2.21E-01	2.22E+01	4.06E-01	3.42E-02	2.28E+01	2.15E-01	9.37E-05	4.06E-02	6.70E-03	2.62E-01	2.41E-01	2.22E+01	4.06E-01	3.42E-02	2.29E+01
1391	493727.33	3860602.55	2.8989	2.03242	3.5375	0.5951	2.21E-01	2.17E+01	3.91E-01	3.40E-02	2.23E+01	2.15E-01	9.16E-05	3.91E-02	6.66E-03	2.60E-01	2.41E-01	2.17E+01	3.91E-01	3.40E-02	2.24E+01
1392	493777.33	3860602.55	2.90802	2.00893	3.4888	0.59211	2.22E-01	2.14E+01	3.86E-01	3.39E-02	2.21E+01	2.15E-01	9.06E-05	3.86E-02	6.63E-03	2.61E-01	2.41E-01	2.14E+01	3.86E-01	3.39E-02	2.21E+01
1393	493827.33	3860602.55	2.90077	1.98633	3.4228	0.58957	2.21E-01	2.12E+01	3.78E-01	3.37E-02	2.18E+01	2.15E-01	8.95E-05	3.78E-02	6.60E-03	2.59E-01	2.41E-01	2.12E+01	3.78E-01	3.37E-02	2.19E+01
1394	493877.33	3860602.55	2.8946	1.96356	3.3629	0.58649	2.21E-01	2.10E+01	3.72E-01	3.35E-02	2.16E+01	2.14E-01	8.85E-05	3.72E-02	6.57E-03	2.58E-01	2.40E-01	2.10E+01	3.72E-01	3.35E-02	2.16E+01
1395	493927.33	3860602.55	2.87886	1.94852	3.442	0.58378	2.19E-01	2.08E+01	3.81E-01	3.34E-02	2.14E+01	2.13E-01	8.78E-05	3.81E-02	6.54E-03	2.58E-01	2.39E-01	2.08E+01	3.81E-01	3.34E-02	2.14E+01
1396	493977.33	3860602.55	2.8575	1.93232	3.5857	0.58099	2.18E-01	2.06E+01	3.96E-01	3.32E-02	2.13E+01	2.12E-01	8.71E-05	3.96E-02	6.50E-03	2.58E-01	2.37E-01	2.06E+01	3.96E-01	3.32E-02	2.13E+01
1397	494027.33	3860602.55	2.8248	1.93138	3.6625	0.58201	2.15E-01	2.06E+01	4.05E-01	3.33E-02	2.13E+01	2.09E-01	8.71E-05	4.05E-02	6.52E-03	2.56E-01	2.35E-01	2.06E+01	4.05E-01	3.33E-02	2.13E+01
1398	493627.33	3860652.55	2.80735	2.05545	3.7016	0.60351	2.14E-01	2.19E+01	4.09E-01	3.45E-02	2.26E+01	2.08E-01	9.27E-05	4.09E-02	6.76E-03	2.56E-01	2.33E-01	2.19E+01	4.09E-01	3.45E-02	2.26E+01
1399	493727.33	3860652.55	2.8301	2.01101	3.5928	0.59584	2.16E-01	2.15E+01	3.97E-01	3.41E-02	2.21E+01	2.10E-01	9.07E-05	3.97E-02	6.67E-03	2.56E-01	2.35E-01	2.15E+01	3.97E-01	3.41E-02	2.21E+01

1400	493777.33	3860652.55	2.8469	1.98897	3.5511	0.59314	2.17E-01	2.12E+01	3.93E-01	3.39E-02	2.19E+01	2.11E-01	8.97E-05	3.93E-02	6.64E-03	2.57E-01	2.36E-01	2.12E+01	3.93E-01	3.39E-02	2.19E+01
1401	493827.33	3860652.55	2.8562	1.96695	3.504	0.58977	2.18E-01	2.10E+01	3.87E-01	3.37E-02	2.16E+01	2.11E-01	8.87E-05	3.87E-02	6.60E-03	2.57E-01	2.37E-01	2.10E+01	3.87E-01	3.37E-02	2.16E+01
1402	493877.33	3860652.55	2.86259	1.94492	3.4555	0.58713	2.18E-01	2.08E+01	3.82E-01	3.36E-02	2.14E+01	2.12E-01	8.77E-05	3.82E-02	6.57E-03	2.57E-01	2.38E-01	2.08E+01	3.82E-01	3.36E-02	2.14E+01
1403	493927.33	3860652.55	2.85629	1.92364	3.3935	0.58472	2.18E-01	2.05E+01	3.75E-01	3.34E-02	2.12E+01	2.11E-01	8.67E-05	3.75E-02	6.55E-03	2.56E-01	2.37E-01	2.05E+01	3.75E-01	3.34E-02	2.12E+01
1404	493977.33	3860652.55	2.84276	1.90265	3.3267	0.58235	2.17E-01	2.03E+01	3.68E-01	3.33E-02	2.09E+01	2.10E-01	8.58E-05	3.68E-02	6.52E-03	2.54E-01	2.36E-01	2.03E+01	3.68E-01	3.33E-02	2.09E+01
1405	494027.33	3860652.55	2.83022	1.88159	3.3761	0.57958	2.16E-01	2.01E+01	3.73E-01	3.31E-02	2.07E+01	2.10E-01	8.48E-05	3.73E-02	6.49E-03	2.53E-01	2.35E-01	2.01E+01	3.73E-01	3.31E-02	2.07E+01
1406	494311.06	3858401.99	0.8343	0.49798	3.4521	0.5785	6.36E-02	5.31E+00	3.82E-01	3.31E-02	5.79E+00	6.18E-02	2.24E-05	3.82E-02	6.48E-03	1.06E-01	6.93E-02	5.31E+00	3.82E-01	3.31E-02	5.80E+00
1407	494361.06	3858401.99	0.80412	0.49558	3.4459	0.57663	6.13E-02	5.29E+00	3.81E-01	3.30E-02	5.76E+00	5.95E-02	2.23E-05	3.81E-02	6.45E-03	1.04E-01	6.68E-02	5.29E+00	3.81E-01	3.30E-02	5.77E+00
1408	494411.06	3858401.99	0.78753	0.49466	3.4373	0.57451	6.00E-02	5.28E+00	3.80E-01	3.29E-02	5.75E+00	5.83E-02	2.23E-05	3.80E-02	6.43E-03	1.03E-01	6.54E-02	5.28E+00	3.80E-01	3.29E-02	5.76E+00
1409	494461.06	3858401.99	0.78507	0.4953	3.4261	0.57209	5.98E-02	5.29E+00	3.79E-01	3.27E-02	5.76E+00	5.81E-02	2.23E-05	3.79E-02	6.40E-03	1.02E-01	6.52E-02	5.29E+00	3.79E-01	3.27E-02	5.76E+00
1410	494511.06	3858401.99	0.77072	0.49411	3.418	0.56988	5.87E-02	5.27E+00	3.78E-01	3.26E-02	5.74E+00	5.71E-02	2.23E-05	3.78E-02	6.38E-03	1.01E-01	6.40E-02	5.27E+00	3.78E-01	3.26E-02	5.75E+00
1411	494561.06	3858401.99	0.77688	0.49463	3.4069	0.56723	5.92E-02	5.28E+00	3.77E-01	3.24E-02	5.75E+00	5.75E-02	2.23E-05	3.77E-02	6.35E-03	1.02E-01	6.45E-02	5.28E+00	3.77E-01	3.24E-02	5.75E+00
1412	494611.06	3858401.99	0.78292	0.4934	3.3988	0.56486	5.97E-02	5.27E+00	3.76E-01	3.23E-02	5.73E+00	5.80E-02	2.22E-05	3.76E-02	6.32E-03	1.02E-01	6.50E-02	5.27E+00	3.76E-01	3.23E-02	5.74E+00
1413	494661.06	3858401.99	0.72601	0.49267	3.3898	0.56243	5.53E-02	5.26E+00	3.75E-01	3.22E-02	5.72E+00	5.37E-02	2.22E-05	3.75E-02	6.30E-03	9.75E-02	6.03E-02	5.26E+00	3.75E-01	3.22E-02	5.72E+00
1414	494711.06	3858401.99	0.69806	0.49057	3.3838	0.56024	5.32E-02	5.24E+00	3.74E-01	3.20E-02	5.69E+00	5.17E-02	2.21E-05	3.74E-02	6.27E-03	9.54E-02	5.80E-02	5.24E+00	3.74E-01	3.20E-02	5.70E+00
1415	494761.06	3858401.99	0.68779	0.49042	3.3737	0.55758	5.24E-02	5.23E+00	3.73E-01	3.19E-02	5.69E+00	5.09E-02	2.21E-05	3.73E-02	6.24E-03	9.45E-02	5.71E-02	5.23E+00	3.73E-01	3.19E-02	5.70E+00
1416	494811.06	3858401.99	0.66857	0.4892	3.3657	0.55509	5.10E-02	5.22E+00	3.72E-01	3.17E-02	5.68E+00	4.95E-02	2.21E-05	3.72E-02	6.21E-03	9.29E-02	5.55E-02	5.22E+00	3.72E-01	3.17E-02	5.68E+00
1417	494861.06	3858401.99	0.65249	0.48833	3.3569	0.55247	4.97E-02	5.21E+00	3.71E-01	3.16E-02	5.66E+00	4.83E-02	2.20E-05	3.71E-02	6.18E-03	9.16E-02	5.42E-02	5.21E+00	3.71E-01	3.16E-02	5.67E+00
1418	494911.06	3858401.99	0.63673	0.4875	3.3478	0.5498	4.85E-02	5.20E+00	3.70E-01	3.14E-02	5.65E+00	4.71E-02	2.20E-05	3.70E-02	6.15E-03	9.03E-02	5.29E-02	5.20E+00	3.70E-01	3.14E-02	5.66E+00
1419	494961.06	3858401.99	0.6189	0.48653	3.3389	0.54706	4.72E-02	5.19E+00	3.69E-01	3.13E-02	5.64E+00	4.58E-02	2.19E-05	3.69E-02	6.12E-03	8.89E-02	5.14E-02	5.19E+00	3.69E-01	3.13E-02	5.64E+00
1420	495011.06	3858401.99	0.5932	0.48475	2.928	0.54454	4.52E-02	5.17E+00	3.24E-01	3.11E-02	5.57E+00	4.39E-02	2.19E-05	3.24E-02	6.10E-03	8.24E-02	4.92E-02	5.17E+00	3.24E-01	3.11E-02	5.58E+00
1421	495061.06	3858401.99	0.57524	0.4838	2.9007	0.54181	4.38E-02	5.16E+00	3.21E-01	3.10E-02	5.56E+00	4.26E-02	2.18E-05	3.21E-02	6.07E-03	8.07E-02	4.78E-02	5.16E+00	3.21E-01	3.10E-02	5.56E+00
1422	495111.06	3858401.99	0.5356	0.48041	2.8632	0.53977	4.08E-02	5.13E+00	3.17E-01	3.09E-02	5.52E+00	3.97E-02	2.17E-05	3.17E-02	6.04E-03	7.74E-02	4.45E-02	5.13E+00	3.17E-01	3.09E-02	5.52E+00
1423	495161.06	3858401.99	0.53405	0.48124	2.8434	0.53647	4.07E-02	5.14E+00	3.14E-01	3.07E-02	5.52E+00	3.95E-02	2.17E-05	3.14E-02	6.01E-03	7.70E-02	4.43E-02	5.14E+00	3.14E-01	3.07E-02	5.53E+00
1424	495211.06	3858401.99	0.50136	0.47845	2.8084	0.53419	3.82E-02	5.11E+00	3.10E-01	3.05E-02	5.49E+00	3.71E-02	2.16E-05	3.10E-02	5.98E-03	7.42E-02	4.16E-02	5.11E+00	3.10E-01	3.05E-02	5.49E+00
1425	495261.06	3858401.99	0.48692	0.47772	2.7822	0.53126	3.71E-02	5.10E+00	3.08E-01	3.04E-02	5.47E+00	3.60E-02	2.15E-05	3.08E-02	5.95E-03	7.28E-02	4.04E-02	5.10E+00	3.08E-01	3.04E-02	5.48E+00
1426	495311.06	3858401.99	0.48008	0.47683	2.7554	0.52834	3.66E-02	5.09E+00	3.05E-01	3.02E-02	5.46E+00	3.55E-02	2.15E-05	3.05E-02	5.91E-03	7.19E-02	3.99E-02	5.09E+00	3.05E-01	3.02E-02	5.46E+00
1427	495361.06	3858401.99	0.47752	0.47674	2.7324	0.52514	3.64E-02	5.09E+00	3.02E-01	3.00E-02	5.46E+00	3.54E-02	2.15E-05	3.02E-02	5.88E-03	7.15E-02	3.96E-02	5.09E+00	3.02E-01	3.00E-02	5.46E+00
1428	495411.06	3858401.99	0.47585	0.47744	2.7132	0.52169	3.63E-02	5.10E+00	3.00E-01	2.98E-02	5.46E+00	3.52E-02	2.15E-05	3.00E-02	5.84E-03	7.11E-02	3.95E-02	5.10E+00	3.00E-01	2.98E-02	5.46E+00
1429	495461.06	3858401.99	0.47447	0.47844	2.6955	0.51812	3.62E-02	5.11E+00	2.98E-01	2.96E-02	5.47E+00	3.51E-02	2.16E-05	2.98E-02	5.80E-03	7.08E-02	3.94E-02	5.11E+00	2.98E-01	2.96E-02	5.47E+00
1430	495511.06	3858401.99	0.47257	0.47913	2.6767	0.51462	3.60E-02	5.11E+00	2.96E-01	2.94E-02	5.47E+00	3.50E-02	2.16E-05	2.96E-02	5.76E-03	7.04E-02	3.92E-02	5.11E+00	2.96E-01	2.94E-02	5.48E+00
1431	495561.06	3858401.99	0.47115	0.47712	2.6598	0.51207	3.59E-02	5.09E+00	2.94E-01	2.93E-02	5.45E+00	3.49E-02	2.15E-05	2.94E-02	5.73E-03	7.00E-02	3.91E-02	5.09E+00	2.94E-01	2.93E-02	5.45E+00
1432	495611.06	3858401.99	0.46938	0.47796	2.642	0.51233	3.58E-02	5.10E+00	2.92E-01	2.93E-02	5.46E+00	3.47E-02	2.15E-05	2.92E-02	5.74E-03	6.97E-02	3.90E-02	5.10E+00	2.92E-01	2.93E-02	5.46E+00
1433	495661.06	3858401.99	0.46718	0.48177	2.624	0.51263	3.56E-02	5.14E+00	2.90E-01	2.93E-02	5.50E+00	3.46E-02	2.17E-05	2.90E-02	5.74E-03	6.94E-02	3.88E-02	5.14E+00	2.90E-01	2.93E-02	5.50E+00
1434	494311.06	3858451.99	0.91266	0.52602	3.3839	0.5879	6.96E-02	5.61E+00	3.74E-01	3.36E-02	6.09E+00	6.76E-02	2.37E-05	3.74E-02	6.58E-03	1.12E-01	7.58E-02	5.61E+00	3.74E-01	3.36E-02	6.10E+00
1435	494361.06	3858451.99	0.89023	0.52414	3.3783	0.58536	6.79E-02	5.59E+00	3.74E-01	3.35E-02	6.07E+00	6.59E-02	2.36E-05	3.74E-02	6.55E-03	1.10E-01	7.39E-02	5.59E+00	3.74E-01	3.35E-02	6.07E+00
1436	494411.06	3858451.99	0.87316	0.52287	3.3719	0.56466	6.66E-02	5.58E+00	3.73E-01	3.23E-02	6.05E+00	6.46E-02	2.36E-05	3.73E-02	6.32E-03	1.08E-01	7.25E-02	5.58E+00	3.73E-01	3.23E-02	6.06E+00
1437	494461.06	3858451.99	0.85923	0.522	3.3649	0.56231	6.55E-02	5.57E+00	3.72E-01	3.22E-02	6.04E+00	6.36E-02	2.35E-05	3.72E-02	6.29E-03	1.07E-01	7.13E-02	5.57E+00	3.72E-01	3.22E-02	6.05E+00
1438	494511.06	3858451.99	0.85558	0.52224	3.3564	0.55972	6.52E-02	5.57E+00	3.71E-01	3.20E-02	6.04E+00	6.33E-02	2.35E-05	3.71E-02	6.27E-03	1.07E-01	7.10E-02	5.57E+00	3.71E-01	3.20E-02	6.05E+00
1439	494561.06	3858451.99	0.83362	0.52057	3.3502	0.55737	6.35E-02	5.56E+00	3.70E-01	3.19E-02	6.02E+00	6.17E-02	2.35E-05	3.70E-02	6.24E-03	1.05E-01	6.92E-02	5.56E+00	3.70E-01	3.19E-02	6.03E+00
1440	494611.06	3858451.99	0.81977	0.5198	3.3427	0.55471	6.25E-02	5.55E+00	3.70E-01	3.17E-02	6.01E+00	6.07E-02	2.34E-05	3.70E-02	6.21E-03	1.04E-01	6.81E-02	5.55E+00	3.70E-01	3.17E-02	6.02E+00
1441	494661.06	3858451.99	0.80358	0.5188	3.3355	0.55206	6.12E-02	5.54E+00	3.69E-01	3.16E-02	6.00E+00	5.95E-02	2.34E-05	3.69E-02	6.18E-03	1.03E-01	6.67E-02	5.54E+00	3.69E-01	3.16E-02	6.00E+00
1442	494711.06	3858451.99	0.77957	0.51694	3.3295	0.54944	5.94E-02	5.52E+00	3.68E-01	3.14E-02	5.98E+00	5.77E-02	2.33E-05	3.68E-02	6.15E-03	1.01E-01	6.47E-02	5.52E+00	3.68E-01	3.14E-02	5.98E+00
1443	494761.06	3858451.99	0.76009	0.51504	3.3237	0.54671	5.79E-02	5.50E+00	3.67E-01	3.13E-02	5.95E+00	5.63E-02	2.32E-05	3.67E-02	6.12E-03	9.92E-02	6.31E-02	5.50E+00	3.67E-01	3.13E-02	5.96E+00
1444	494811.06	3858451.99	0.76627	0.5139	3.3168	0.54402	5.84E-02	5.48E+00	3.67E-01	3.11E-02	5.94E+00	5.67E-02	2.32E-05	3.67E-02	6.09E-03	9.95E-02	6.36E-02	5.48E+00	3.67E-01	3.11E-02	5.95E+00
1445	494861.06	3858451.99	0.71638	0.51238	3.3106	0.54136	5.46E-02	5.47E+00	3.66E-01	3.10E-02	5.92E+00	5.30E-02	2.31E-05	3.66E-02	6.06E-03	9.57E-02	5.95E-02	5.47E+00	3.66E-01	3.10E-02	5.92E+00
1446	494911.06	3858451.99	0.68116	0.50769	3.3029	0.5385	5.19E-02	5.42E+00	3.65E-01	3.08E-02	5.87E+00	5.04E-02	2.29E-05	3.65E-02	6.03E-03	9.30E-02	5.66E-02	5.42E+00	3.65E-01	3.08E-02	5.87E+00
1447	494961.06	3858451.99	0.6662	0.50833	3.3003	0.53613	5.08E-02	5.42E+00	3.65E-01	3.07E-02	5.87E+00	4.93E-02	2.29E-05	3.65E-02	6.00E-03	9.18E-02	5.53E-02	5.42E+00	3.65E-01	3.07E-02	5.88E+00
1448	495011.06	3858451.99	0.63961	0.50601	3.2953	0.53354	4.88E-02	5.40E+00	3.64E-01	3.05E-02	5.84E+00	4.74E-02	2.28E-05	3.64E-02	5.97E-03	8.98E-02	5.31E-02	5.40E+00	3.64E-01	3.05E-02	5.85E+00
1449	495061.06	3858451.99	0.63094	0.50583	3.2862	0.53046	4.81E-02	5.40E+00	3.63E-01	3.03E-02	5.84E+00	4.67E-02	2.28E-05	3.63E-02	5.94E-03	8.90E-02	5.24E-02	5.40E+00	3.63E-01	3.03E-02	5.84E+00
1450	495111.06	3858451.99	0.60328	0.50365	2.9542	0.52772	4.60E-02	5.37E+00	3.27E-01	3.02E-02	5.78E+00	4.47E-02	2.27E-05	3.27E-02	5.91E-03	8.33E-02	5.01E-02	5.37E+00	3.27E-01	3.02E-02	5.78E+00
1451	495161.06	3858451.99	0.57198	0.50102	2.8275	0.52519	4.36E-02	5.35E+00	3.13E-01	3.00E-02	5.73E+00	4.23E-02	2.26E-05	3.13E-02	5.88E-03	7.95E-02	4.75E-02	5.35E+00	3.13E-01	3.00E-02	5.74E+00
1452	495211.06	3858451.99	0.54521	0.49886	2.7992	0.52257	4.16E-02	5.32E+00	3.09E-01	2.99E-02	5.70E+00	4.04E-02	2.25E-05	3.09E-02	5.85E-03	7.72E-02	4.53E-02	5.32E+00	3.09E-01	2.99E-02	5.71E+00
1453	495261.06	3858451.99	0.53005	0.498	2.7759	0.51957	4.04E-02	5.31E+00	3.07E-01	2.97E-02	5.69E+00	3.92E-02	2.24E-05	3.07E-02	5.82E-03	7.58E-02	4.40E-02	5.31E+00	3.07E-01	2.97E-02	5.70E+00
1454	495311.06	3858451.99	0.51874	0.49755	2.7544	0.51815	3.95E-02	5.31E+00	3.05E-01	2.96E-02	5.68E+00	3.84E-02	2.24E-05	3.05E-02	5.80E-03	7.47E-02	4.31E-02	5.31E+00	3.05E-01	2.96E-02	5.69E+00
1455	495361.06	3858451.99	0.51033	0.49737	2.7343	0.51874	3.89E-02	5.31E+00	3.02E-01	2.97E-02	5.68E+00	3.78E-02	2.24E-05	3.02E-02	5.81E-03	7.38E-02	4.24E-02	5.31E+00	3.02E-01	2.97E-02	5.68E+00
1456	495411.06	3858451.99	0.50958	0.49808	2.718	0.51899	3.88E-02	5.32E+00	3.01E-01	2.97E-02	5.68E+00	3.77E-02	2.25E-05	3.01E-02	5.81E-03	7.36E-02	4.23E-02	5.32E+00	3.01E-01	2.97E-02	5.69E+00
1457	495461.06	3858451.99	0.51073	0.49898	2.7026	0.51915	3.89E-02	5.32E+00	2.99E-01	2.97E-02	5.69E+00	3.78E-02	2.25E-05	2.99E-02	5.81E-03	7.35E-02	4.24E-02	5.33E+00	2.99E-01	2.97E-02	5.70E+00
1458	495511.06	3858451.99	0.49939	0.49842	2.6813	0.51978	3.81E-02	5.32E+00	2.96E-01	2.97E-02	5.68E+00	3.70E-02	2.25E-05	2.96E-02	5.82E-03	7.25E-02	4.15E-02	5.32E+00	2.96E-01	2.97E-02	5.69E+00
1459	495561.06	3858451.99	0.50761	0.50014	2.6693	0.51962	3.87E-02	5.34E+00	2.95E-01	2.97E-02	5.70E+00	3.76E-02	2.25E-05	2.95E-02	5.82E-03	7.29E-02	4.21E-02	5.34E+00	2.95E-01	2.97E-02	5.70E+00
1460	495611.06	3858451.99	0.49235	0.4991	2.6464	0.52037	3.75E-02	5.33E+00	2.93E-01	2.98E-02	5.69E+00	3.65E-02	2.25E-05	2.93E-02	5.83E-03	7.16E-02	4.09E-02	5.33E+00	2.93E-01	2.98E-02	5.69E+00

1461	495661.06	3858451.99	0.49594	0.50024	2.6322	0.52035		3.78E-02	5.34E+00	2.91E-01	2.98E-02	5.70E+00		3.67E-02	2.26E-05	2.91E-02	5.82E-03	7.17E-02		4.12E-02	5.34E+00	2.91E-01	2.98E-02	5.70E+00
1462	494311.06	3858501.99	0.94183	0.55072	4.1228	0.66719		7.18E-02	5.88E+00	4.56E-01	3.82E-02	6.44E+00		6.97E-02	2.48E-05	4.56E-02	7.47E-03	1.23E-01		7.82E-02	5.88E+00	4.56E-01	3.82E-02	6.45E+00
1463	494361.06	3858501.99	0.9335	0.54984	4.0564	0.66295		7.12E-02	5.87E+00	4.48E-01	3.79E-02	6.43E+00		6.91E-02	2.48E-05	4.48E-02	7.42E-03	1.21E-01		7.75E-02	5.87E+00	4.48E-01	3.79E-02	6.43E+00
1464	494411.06	3858501.99	0.92068	0.54854	3.8072	0.6467		7.02E-02	5.85E+00	4.21E-01	3.70E-02	6.38E+00		6.82E-02	2.47E-05	4.21E-02	7.24E-03	1.18E-01		7.64E-02	5.85E+00	4.21E-01	3.70E-02	6.39E+00
1465	494461.06	3858501.99	0.91755	0.54837	3.3676	0.56713		6.99E-02	5.85E+00	3.72E-01	3.24E-02	6.33E+00		6.79E-02	2.47E-05	3.72E-02	6.35E-03	1.12E-01		7.62E-02	5.85E+00	3.72E-01	3.24E-02	6.33E+00
1466	494511.06	3858501.99	0.89365	0.546	3.2745	0.56389		6.81E-02	5.83E+00	3.62E-01	3.22E-02	6.29E+00		6.62E-02	2.46E-05	3.62E-02	6.31E-03	1.09E-01		7.42E-02	5.83E+00	3.62E-01	3.22E-02	6.30E+00
1467	494561.06	3858501.99	0.90977	0.54801	3.2662	0.56052		6.93E-02	5.85E+00	3.61E-01	3.21E-02	6.31E+00		6.74E-02	2.47E-05	3.61E-02	6.27E-03	1.10E-01		7.55E-02	5.85E+00	3.61E-01	3.21E-02	6.32E+00
1468	494611.06	3858501.99	0.89009	0.5462	3.2618	0.55751		6.78E-02	5.83E+00	3.61E-01	3.19E-02	6.29E+00		6.59E-02	2.46E-05	3.61E-02	6.24E-03	1.08E-01		7.39E-02	5.83E+00	3.61E-01	3.19E-02	6.30E+00
1469	494661.06	3858501.99	0.88138	0.54561	3.2559	0.54028		6.72E-02	5.82E+00	3.60E-01	3.09E-02	6.28E+00		6.53E-02	2.46E-05	3.60E-02	6.05E-03	1.07E-01		7.32E-02	5.82E+00	3.60E-01	3.09E-02	6.29E+00
1470	494711.06	3858501.99	0.85577	0.54327	3.2519	0.53769		6.52E-02	5.80E+00	3.60E-01	3.07E-02	6.25E+00		6.34E-02	2.45E-05	3.60E-02	6.02E-03	1.05E-01		7.10E-02	5.80E+00	3.60E-01	3.07E-02	6.26E+00
1471	494761.06	3858501.99	0.82535	0.54041	3.2485	0.53502		6.29E-02	5.77E+00	3.59E-01	3.06E-02	6.22E+00		6.11E-02	2.44E-05	3.59E-02	5.99E-03	1.03E-01		6.85E-02	5.77E+00	3.59E-01	3.06E-02	6.23E+00
1472	494811.06	3858501.99	0.79814	0.53792	3.2447	0.53367		6.08E-02	5.74E+00	3.59E-01	3.05E-02	6.19E+00		5.91E-02	2.42E-05	3.59E-02	5.97E-03	1.01E-01		6.63E-02	5.74E+00	3.59E-01	3.05E-02	6.20E+00
1473	494861.06	3858501.99	0.78232	0.53666	3.2392	0.53273		5.96E-02	5.73E+00	3.58E-01	3.05E-02	6.18E+00		5.79E-02	2.42E-05	3.58E-02	5.96E-03	9.97E-02		6.49E-02	5.73E+00	3.58E-01	3.05E-02	6.18E+00
1474	494911.06	3858501.99	0.7416	0.53269	3.2379	0.53165		5.65E-02	5.68E+00	3.58E-01	3.04E-02	6.13E+00		5.49E-02	2.40E-05	3.58E-02	5.95E-03	9.67E-02		6.16E-02	5.68E+00	3.58E-01	3.04E-02	6.13E+00
1475	494961.06	3858501.99	0.72561	0.53145	3.2325	0.53057		5.53E-02	5.67E+00	3.57E-01	3.03E-02	6.11E+00		5.37E-02	2.40E-05	3.57E-02	5.94E-03	9.54E-02		6.02E-02	5.67E+00	3.57E-01	3.03E-02	6.12E+00
1476	495011.06	3858501.99	0.69294	0.52836	3.2306	0.52889		5.28E-02	5.64E+00	3.57E-01	3.02E-02	6.08E+00		5.13E-02	2.38E-05	3.57E-02	5.92E-03	9.30E-02		5.75E-02	5.64E+00	3.57E-01	3.02E-02	6.08E+00
1477	495061.06	3858501.99	0.68388	0.52789	3.2238	0.52776		5.21E-02	5.63E+00	3.56E-01	3.02E-02	6.07E+00		5.06E-02	2.38E-05	3.56E-02	5.91E-03	9.22E-02		5.68E-02	5.63E+00	3.56E-01	3.02E-02	6.08E+00
1478	495111.06	3858501.99	0.64223	0.52358	3.2237	0.52321		4.90E-02	5.59E+00	3.56E-01	2.99E-02	6.02E+00		4.75E-02	2.36E-05	3.56E-02	5.86E-03	8.91E-02		5.33E-02	5.59E+00	3.56E-01	2.99E-02	6.03E+00
1479	495161.06	3858501.99	0.61756	0.52139	3.1124	0.52352		4.71E-02	5.56E+00	3.44E-01	2.99E-02	5.99E+00		4.57E-02	2.35E-05	3.44E-02	5.86E-03	8.60E-02		5.13E-02	5.56E+00	3.44E-01	2.99E-02	5.99E+00
1480	495211.06	3858501.99	0.59309	0.51927	2.7513	0.52469		4.52E-02	5.54E+00	3.04E-01	3.00E-02	5.92E+00		4.39E-02	2.34E-05	3.04E-02	5.87E-03	8.02E-02		4.92E-02	5.54E+00	3.04E-01	3.00E-02	5.92E+00
1481	495261.06	3858501.99	0.57803	0.51818	2.7316	0.52548		4.41E-02	5.53E+00	3.02E-01	3.00E-02	5.91E+00		4.28E-02	2.34E-05	3.02E-02	5.88E-03	7.89E-02		4.80E-02	5.53E+00	3.02E-01	3.00E-02	5.91E+00
1482	495311.06	3858501.99	0.57191	0.5181	2.7156	0.5259		4.36E-02	5.53E+00	3.00E-01	3.01E-02	5.90E+00		4.23E-02	2.34E-05	3.00E-02	5.89E-03	7.83E-02		4.75E-02	5.53E+00	3.00E-01	3.01E-02	5.91E+00
1483	495361.06	3858501.99	0.56646	0.5181	2.6999	0.52626		4.32E-02	5.53E+00	2.98E-01	3.01E-02	5.90E+00		4.19E-02	2.34E-05	2.98E-02	5.89E-03	7.77E-02		4.70E-02	5.53E+00	2.98E-01	3.01E-02	5.90E+00
1484	495411.06	3858501.99	0.56495	0.51853	2.6857	0.52645		4.31E-02	5.53E+00	2.97E-01	3.01E-02	5.90E+00		4.18E-02	2.34E-05	2.97E-02	5.89E-03	7.74E-02		4.69E-02	5.53E+00	2.97E-01	3.01E-02	5.91E+00
1485	495461.06	3858501.99	0.5636	0.51898	2.6716	0.52661		4.30E-02	5.54E+00	2.95E-01	3.01E-02	5.91E+00		4.17E-02	2.34E-05	2.95E-02	5.90E-03	7.72E-02		4.68E-02	5.54E+00	2.95E-01	3.01E-02	5.91E+00
1486	495511.06	3858501.99	0.55809	0.51895	2.6558	0.52691		4.25E-02	5.54E+00	2.94E-01	3.01E-02	5.90E+00		4.13E-02	2.34E-05	2.94E-02	5.90E-03	7.66E-02		4.63E-02	5.54E+00	2.94E-01	3.01E-02	5.91E+00
1487	495561.06	3858501.99	0.5657	0.52037	2.6453	0.52669		4.31E-02	5.55E+00	2.92E-01	3.01E-02	5.92E+00		4.19E-02	2.35E-05	2.92E-02	5.90E-03	7.70E-02		4.70E-02	5.55E+00	2.92E-01	3.01E-02	5.92E+00
1488	495611.06	3858501.99	0.54843	0.51801	2.6332	0.52654		4.18E-02	5.53E+00	2.91E-01	3.01E-02	5.89E+00		4.06E-02	2.34E-05	2.91E-02	5.89E-03	7.56E-02		4.55E-02	5.53E+00	2.91E-01	3.01E-02	5.89E+00
1489	495661.06	3858501.99	0.55622	0.5204	2.6144	0.52712		4.24E-02	5.55E+00	2.89E-01	3.01E-02	5.92E+00		4.12E-02	2.35E-05	2.89E-02	5.90E-03	7.60E-02		4.62E-02	5.55E+00	2.89E-01	3.01E-02	5.92E+00
1490	494311.06	3858551.99	0.90901	0.56775	4.7677	0.69543		6.93E-02	6.06E+00	5.27E-01	3.98E-02	6.70E+00		6.73E-02	2.56E-05	5.27E-02	7.78E-03	1.28E-01		7.55E-02	6.06E+00	5.27E-01	3.98E-02	6.70E+00
1491	494361.06	3858551.99	0.9418	0.57096	4.8955	0.69224		7.18E-02	6.09E+00	5.41E-01	3.96E-02	6.75E+00		6.97E-02	2.57E-05	5.41E-02	7.75E-03	1.32E-01		7.82E-02	6.09E+00	5.41E-01	3.96E-02	6.75E+00
1492	494411.06	3858551.99	0.97424	0.57681	4.4566	0.68848		7.43E-02	6.16E+00	4.93E-01	3.94E-02	6.76E+00		7.21E-02	2.60E-05	4.93E-02	7.71E-03	1.29E-01		8.09E-02	6.16E+00	4.93E-01	3.94E-02	6.77E+00
1493	494461.06	3858551.99	0.98383	0.57742	4.422	0.68454		7.50E-02	6.16E+00	4.89E-01	3.91E-02	6.77E+00		7.28E-02	2.60E-05	4.89E-02	7.66E-03	1.29E-01		8.17E-02	6.16E+00	4.89E-01	3.91E-02	6.77E+00
1494	494511.06	3858551.99	0.97935	0.57647	4.3249	0.68098		7.46E-02	6.15E+00	4.78E-01	3.89E-02	6.74E+00		7.25E-02	2.60E-05	4.78E-02	7.62E-03	1.28E-01		8.13E-02	6.15E+00	4.78E-01	3.89E-02	6.75E+00
1495	494561.06	3858551.99	0.97805	0.57595	4.2489	0.67721		7.45E-02	6.15E+00	4.70E-01	3.87E-02	6.73E+00		7.24E-02	2.60E-05	4.70E-02	7.58E-03	1.27E-01		8.12E-02	6.15E+00	4.70E-01	3.87E-02	6.74E+00
1496	494611.06	3858551.99	0.96715	0.57445	4.149	0.67144		7.37E-02	6.13E+00	4.59E-01	3.84E-02	6.70E+00		7.16E-02	2.59E-05	4.59E-02	7.52E-03	1.25E-01		8.03E-02	6.13E+00	4.59E-01	3.84E-02	6.71E+00
1497	494661.06	3858551.99	0.95835	0.57328	4.0708	0.63048		7.30E-02	6.12E+00	4.50E-01	3.61E-02	6.68E+00		7.09E-02	2.58E-05	4.50E-02	7.06E-03	1.23E-01		7.96E-02	6.12E+00	4.50E-01	3.61E-02	6.68E+00
1498	494711.06	3858551.99	0.92848	0.56991	3.802	0.60508		7.08E-02	6.08E+00	4.20E-01	3.46E-02	6.61E+00		6.87E-02	2.57E-05	4.20E-02	6.77E-03	1.18E-01		7.71E-02	6.08E+00	4.20E-01	3.46E-02	6.61E+00
1499	494761.06	3858551.99	0.89897	0.56665	3.1491	0.53705		6.85E-02	6.05E+00	3.48E-01	3.07E-02	6.49E+00		6.66E-02	2.55E-05	3.48E-02	6.01E-03	1.07E-01		7.46E-02	6.05E+00	3.48E-01	3.07E-02	6.50E+00
1500	494811.06	3858551.99	0.87875	0.56446	3.1465	0.53629		6.70E-02	6.02E+00	3.48E-01	3.07E-02	6.47E+00		6.51E-02	2.54E-05	3.48E-02	6.00E-03	1.06E-01		7.30E-02	6.02E+00	3.48E-01	3.07E-02	6.48E+00
1501	494861.06	3858551.99	0.84879	0.56125	3.1447	0.53545		6.47E-02	5.99E+00	3.48E-01	3.06E-02	6.43E+00		6.28E-02	2.53E-05	3.48E-02	5.99E-03	1.04E-01		7.05E-02	5.99E+00	3.48E-01	3.06E-02	6.44E+00
1502	494911.06	3858551.99	0.81293	0.55743	3.1438	0.53455		6.20E-02	5.95E+00	3.48E-01	3.06E-02	6.39E+00		6.02E-02	2.51E-05	3.48E-02	5.98E-03	1.01E-01		6.75E-02	5.95E+00	3.48E-01	3.06E-02	6.39E+00
1503	494961.06	3858551.99	0.7871	0.55472	3.1417	0.53365		6.00E-02	5.92E+00	3.47E-01	3.05E-02	6.36E+00		5.83E-02	2.50E-05	3.47E-02	5.97E-03	9.90E-02		6.53E-02	5.92E+00	3.47E-01	3.05E-02	6.36E+00
1504	495011.06	3858551.99	0.75118	0.55088	3.1412	0.53266		5.73E-02	5.88E+00	3.47E-01	3.05E-02	6.31E+00		5.56E-02	2.48E-05	3.47E-02	5.96E-03	9.63E-02		6.24E-02	5.88E+00	3.47E-01	3.05E-02	6.32E+00
1505	495061.06	3858551.99	0.73339	0.5491	3.1381	0.53169		5.59E-02	5.86E+00	3.47E-01	3.04E-02	6.29E+00		5.43E-02	2.48E-05	3.47E-02	5.95E-03	9.50E-02		6.09E-02	5.86E+00	3.47E-01	3.04E-02	6.30E+00
1506	495111.06	3858551.99	0.69027	0.54444	3.1398	0.5304		5.26E-02	5.81E+00	3.47E-01	3.03E-02	6.24E+00		5.11E-02	2.45E-05	3.47E-02	5.94E-03	9.18E-02		5.73E-02	5.81E+00	3.47E-01	3.03E-02	6.24E+00
1507	495161.06	3858551.99	0.6657	0.5418	3.1382	0.53154		5.07E-02	5.78E+00	3.47E-01	3.04E-02	6.21E+00		4.93E-02	2.44E-05	3.47E-02	5.95E-03	9.00E-02		5.53E-02	5.78E+00	3.47E-01	3.04E-02	6.21E+00
1508	495211.06	3858551.99	0.64521	0.53965	3.1354	0.5325		4.92E-02	5.76E+00	3.47E-01	3.05E-02	6.19E+00		4.78E-02	2.43E-05	3.47E-02	5.96E-03	8.84E-02		5.36E-02	5.76E+00	3.47E-01	3.05E-02	6.19E+00
1509	495261.06	3858551.99	0.63287	0.53852	3.1308	0.53311		4.82E-02	5.75E+00	3.46E-01	3.05E-02	6.17E+00		4.69E-02	2.43E-05	3.46E-02	5.97E-03	8.75E-02		5.25E-02	5.75E+00	3.46E-01	3.05E-02	6.18E+00
1510	495311.06	3858551.99	0.62996	0.53855	3.1241	0.53331		4.80E-02	5.75E+00	3.45E-01	3.05E-02	6.17E+00		4.66E-02	2.43E-05	3.45E-02	5.97E-03	8.72E-02		5.23E-02	5.75E+00	3.45E-01	3.05E-02	6.18E+00
1511	495361.06	3858551.99	0.62466	0.53831	3.1177	0.53357		4.76E-02	5.74E+00	3.45E-01	3.05E-02	6.17E+00		4.62E-02	2.43E-05	3.45E-02	5.97E-03	8.67E-02		5.19E-02	5.74E+00	3.45E-01	3.05E-02	6.17E+00
1512	495411.06	3858551.99	0.62605	0.53881	3.1099	0.53356		4.77E-02	5.75E+00	3.44E-01	3.05E-02	6.17E+00		4.63E-02	2.43E-05	3.44E-02	5.97E-03	8.67E-02		5.20E-02	5.75E+00	3.44E-01	3.05E-02	6.18E+00
1513	495461.06	3858551.99	0.6229	0.5388	3.1029	0.53369		4.75E-02	5.75E+00	3.43E-01	3.05E-02	6.17E+00		4.61E-02	2.43E-05	3.43E-02	5.97E-03	8.64E-02		5.17E-02	5.75E+00	3.43E-01	3.05E-02	6.18E+00
1514	495511.06	3858551.99	0.62507	0.53937	3.0948	0.53362		4.76E-02	5.76E+00	3.42E-01	3.05E-02	6.18E+00		4.63E-02	2.43E-05	3.42E-02	5.97E-03	8.65E-02		5.19E-02	5.76E+00	3.42E-01	3.05E-02	6.18E+00
1515	495561.06	3858551.99	0.62168	0.53933	3.0876	0.53372		4.74E-02	5.76E+00	3.41E-01	3.05E-02	6.17E+00		4.60E-02	2.43E-05	3.41E-02	5.97E-03	8.62E-02		5.16E-02	5.76E+00	3.41E-01	3.05E-02	6.18E+00
1516	495611.06	3858551.99	0.61536	0.53899	2.9783	0.53389		4.69E-02	5.75E+00	3.29E-01	3.05E-02	6.16E+00		4.56E-02	2.43E-05	3.29E-02	5.98E-03	8.45E-02		5.11E-02	5.75E+00	3.29E-01	3.05E-02	6.16E+00
1517	495661.06	3858551.99	0.60734	0.53844	2.7688	0.53409		4.63E-02	5.75E+00	3.06E-01	3.05E-02	6.13E+00		4.50E-02	2.43E-05	3.06E-02	5.98E-03	8.16E-02		5.04E-02	5.75E+00	3.06E-01	3.05E-02	6.13E+00
1518	494311.06	3858601.99	0.80516	0.58006	3.0493	0.54135		6.14E-02	6.19E+00	3.37E-01	3.10E-02	6.62E+00		5.96E-02	2.61E-05	3.37E-02	6.06E-03	9.94E-02		6.68E-02	6.19E+00	3.37E-01	3.10E-02	6.63E+00
1519	494361.06	3858601.99	0.9211	0.59278	5.3675	0.67571		7.02E-02	6.33E+00	5.93E-01	3.86E-02	7.03E+00		6.82E-02	2.67E-05	5.93E-02	7.56E-03	1.35E-01		7.65E-02	6.33E+00	5.93E-01	3.86E-02	7.03E+00
1520	494411.06	3858601.99	1.0268	0.60752	5.396	0.6695		7.83E-02	6.48E+00	5.97E-01	3.83E-02	7.20E+00		7.60E-02	2.74E-05	5.97E-02	7.49E-03	1.43E-01		8.52E-02	6.48E+00	5.97E-01	3.83E-02	7.20E+00
1521	494461.06	3858601.99	1.03886	0.60754	5.3609	0.6654		7.92E-02	6.48E+00	5.93E-01	3.80E-02	7.19E+00		7.69E-02	2.74E-05	5.93E-02	7.45E-03	1.44E-01		8.62E-02	6.48E+00	5.93E-01	3.80E-02	7.20E+00

1522	494511.06	3858601.99	1.01919	0.60095	5.4576	0.66146	7.77E-02	6.41E+00	6.03E-01	3.78E-02	7.13E+00	7.55E-02	2.71E-05	6.03E-02	7.40E-03	1.43E-01	8.46E-02	6.41E+00	6.03E-01	3.78E-02	7.14E+00
1523	494561.06	3858601.99	1.04595	0.60587	5.1487	0.65737	7.97E-02	6.47E+00	5.69E-01	3.76E-02	7.15E+00	7.74E-02	2.73E-05	5.69E-02	7.36E-03	1.42E-01	8.68E-02	6.47E+00	5.69E-01	3.76E-02	7.16E+00
1524	494611.06	3858601.99	1.02842	0.6027	4.8779	0.65376	7.84E-02	6.43E+00	5.39E-01	3.74E-02	7.09E+00	7.61E-02	2.72E-05	5.39E-02	7.32E-03	1.37E-01	8.54E-02	6.43E+00	5.39E-01	3.74E-02	7.09E+00
1525	494661.06	3858601.99	1.0198	0.60073	4.71	0.64986	7.77E-02	6.41E+00	5.21E-01	3.72E-02	7.05E+00	7.55E-02	2.71E-05	5.21E-02	7.27E-03	1.35E-01	8.47E-02	6.41E+00	5.21E-01	3.72E-02	7.05E+00
1526	494711.06	3858601.99	0.99588	0.5971	4.4695	0.64634	7.59E-02	6.37E+00	4.94E-01	3.70E-02	6.98E+00	7.37E-02	2.69E-05	4.94E-02	7.24E-03	1.30E-01	8.27E-02	6.37E+00	4.94E-01	3.70E-02	6.99E+00
1527	494761.06	3858601.99	0.97123	0.59353	4.284	0.64191	7.40E-02	6.33E+00	4.74E-01	3.67E-02	6.92E+00	7.19E-02	2.68E-05	4.74E-02	7.19E-03	1.26E-01	8.06E-02	6.33E+00	4.74E-01	3.67E-02	6.92E+00
1528	494811.06	3858601.99	0.92535	0.58776	4.1402	0.57729	7.05E-02	6.27E+00	4.58E-01	3.30E-02	6.83E+00	6.85E-02	2.65E-05	4.58E-02	6.46E-03	1.21E-01	7.68E-02	6.27E+00	4.58E-01	3.30E-02	6.84E+00
1529	494861.06	3858601.99	0.90704	0.58522	3.4729	0.53739	6.91E-02	6.25E+00	3.84E-01	3.07E-02	6.73E+00	6.72E-02	2.64E-05	3.84E-02	6.02E-03	1.12E-01	7.53E-02	6.25E+00	3.84E-01	3.07E-02	6.74E+00
1530	494911.06	3858601.99	0.86468	0.58007	3.0313	0.53662	6.59E-02	6.19E+00	3.35E-01	3.07E-02	6.62E+00	6.40E-02	2.61E-05	3.35E-02	6.01E-03	1.04E-01	7.18E-02	6.19E+00	3.35E-01	3.07E-02	6.63E+00
1531	494961.06	3858601.99	0.83886	0.57683	3.0312	0.53585	6.39E-02	6.16E+00	3.35E-01	3.06E-02	6.59E+00	6.21E-02	2.60E-05	3.35E-02	6.00E-03	1.02E-01	6.96E-02	6.16E+00	3.35E-01	3.06E-02	6.59E+00
1532	495011.06	3858601.99	0.81103	0.57344	3.0312	0.53519	6.18E-02	6.12E+00	3.35E-01	3.06E-02	6.55E+00	6.00E-02	2.58E-05	3.35E-02	5.99E-03	9.96E-02	6.73E-02	6.12E+00	3.35E-01	3.06E-02	6.55E+00
1533	495061.06	3858601.99	0.78145	0.56987	3.0316	0.53643	5.96E-02	6.08E+00	3.35E-01	3.07E-02	6.51E+00	5.79E-02	2.57E-05	3.35E-02	6.00E-03	9.74E-02	6.49E-02	6.08E+00	3.35E-01	3.07E-02	6.51E+00
1534	495111.06	3858601.99	0.73376	0.56422	3.0349	0.5383	5.59E-02	6.02E+00	3.36E-01	3.08E-02	6.44E+00	5.43E-02	2.54E-05	3.36E-02	6.03E-03	9.39E-02	6.09E-02	6.02E+00	3.36E-01	3.08E-02	6.45E+00
1535	495161.06	3858601.99	0.713	0.5617	3.0344	0.53919	5.43E-02	5.99E+00	3.35E-01	3.08E-02	6.41E+00	5.28E-02	2.53E-05	3.35E-02	6.04E-03	9.24E-02	5.92E-02	5.99E+00	3.35E-01	3.08E-02	6.42E+00
1536	495211.06	3858601.99	0.70248	0.5604	3.0321	0.53968	5.35E-02	5.98E+00	3.35E-01	3.09E-02	6.40E+00	5.20E-02	2.53E-05	3.35E-02	6.04E-03	9.16E-02	5.83E-02	5.98E+00	3.35E-01	3.09E-02	6.40E+00
1537	495261.06	3858601.99	0.68877	0.55875	3.0302	0.54024	5.25E-02	5.96E+00	3.35E-01	3.09E-02	6.38E+00	5.10E-02	2.52E-05	3.35E-02	6.05E-03	9.06E-02	5.72E-02	5.96E+00	3.35E-01	3.09E-02	6.39E+00
1538	495311.06	3858601.99	0.68087	0.55778	3.027	0.54056	5.19E-02	5.95E+00	3.35E-01	3.09E-02	6.37E+00	5.04E-02	2.51E-05	3.35E-02	6.05E-03	9.00E-02	5.65E-02	5.95E+00	3.35E-01	3.09E-02	6.37E+00
1539	495361.06	3858601.99	0.67963	0.55766	3.0224	0.5406	5.18E-02	5.95E+00	3.34E-01	3.09E-02	6.37E+00	5.03E-02	2.51E-05	3.34E-02	6.05E-03	8.98E-02	5.64E-02	5.95E+00	3.34E-01	3.09E-02	6.37E+00
1540	495411.06	3858601.99	0.67818	0.55753	3.0176	0.54061	5.17E-02	5.95E+00	3.34E-01	3.09E-02	6.37E+00	5.02E-02	2.51E-05	3.34E-02	6.05E-03	8.96E-02	5.63E-02	5.95E+00	3.34E-01	3.09E-02	6.37E+00
1541	495461.06	3858601.99	0.67858	0.55763	3.0123	0.54053	5.17E-02	5.95E+00	3.33E-01	3.09E-02	6.37E+00	5.02E-02	2.51E-05	3.33E-02	6.05E-03	8.96E-02	5.63E-02	5.95E+00	3.33E-01	3.09E-02	6.37E+00
1542	495511.06	3858601.99	0.66921	0.55657	3.0085	0.54078	5.10E-02	5.94E+00	3.33E-01	3.09E-02	6.35E+00	4.95E-02	2.51E-05	3.33E-02	6.05E-03	8.89E-02	5.56E-02	5.94E+00	3.33E-01	3.09E-02	6.36E+00
1543	495561.06	3858601.99	0.6735	0.55717	3.0023	0.54051	5.13E-02	5.95E+00	3.32E-01	3.09E-02	6.36E+00	4.99E-02	2.51E-05	3.32E-02	6.05E-03	8.91E-02	5.59E-02	5.95E+00	3.32E-01	3.09E-02	6.36E+00
1544	495611.06	3858601.99	0.66064	0.55569	2.9988	0.54083	5.04E-02	5.93E+00	3.32E-01	3.09E-02	6.34E+00	4.89E-02	2.50E-05	3.32E-02	6.05E-03	8.81E-02	5.48E-02	5.93E+00	3.32E-01	3.09E-02	6.35E+00
1545	495661.06	3858601.99	0.66193	0.55593	2.9927	0.54062	5.05E-02	5.93E+00	3.31E-01	3.09E-02	6.34E+00	4.90E-02	2.51E-05	3.31E-02	6.05E-03	8.82E-02	5.50E-02	5.93E+00	3.31E-01	3.09E-02	6.35E+00
1546	494311.06	3858651.99	0.82936	0.60007	2.9535	0.54085	6.32E-02	6.40E+00	3.27E-01	3.09E-02	6.82E+00	6.14E-02	2.71E-05	3.27E-02	6.05E-03	1.00E-01	6.89E-02	6.40E+00	3.27E-01	3.09E-02	6.83E+00
1547	494361.06	3858651.99	0.91163	0.61268	5.6107	0.6574	6.95E-02	6.54E+00	6.20E-01	3.76E-02	7.27E+00	6.75E-02	2.76E-05	6.20E-02	7.36E-03	1.37E-01	7.57E-02	6.54E+00	6.20E-01	3.76E-02	7.27E+00
1548	494411.06	3858651.99	1.02604	0.63095	8.011	0.64955	7.82E-02	6.73E+00	8.86E-01	3.71E-02	7.73E+00	7.60E-02	2.84E-05	8.86E-02	7.27E-03	1.72E-01	8.52E-02	6.73E+00	8.86E-01	3.71E-02	7.74E+00
1549	494461.06	3858651.99	1.06112	0.63617	6.4931	0.64532	8.09E-02	6.79E+00	7.18E-01	3.69E-02	7.62E+00	7.86E-02	2.87E-05	7.18E-02	7.22E-03	1.58E-01	8.81E-02	6.79E+00	7.18E-01	3.69E-02	7.63E+00
1550	494511.06	3858651.99	1.065	0.63421	6.3001	0.64122	8.12E-02	6.77E+00	6.97E-01	3.67E-02	7.58E+00	7.88E-02	2.86E-05	6.97E-02	7.18E-03	1.56E-01	8.84E-02	6.77E+00	6.97E-01	3.67E-02	7.59E+00
1551	494561.06	3858651.99	1.07538	0.63327	6.2106	0.63692	8.20E-02	6.76E+00	6.87E-01	3.64E-02	7.56E+00	7.96E-02	2.85E-05	6.87E-02	7.13E-03	1.55E-01	8.93E-02	6.76E+00	6.87E-01	3.64E-02	7.57E+00
1552	494611.06	3858651.99	1.07741	0.63141	6.0294	0.63272	8.21E-02	6.74E+00	6.67E-01	3.62E-02	7.52E+00	7.98E-02	2.85E-05	6.67E-02	7.08E-03	1.54E-01	8.94E-02	6.74E+00	6.67E-01	3.62E-02	7.53E+00
1553	494661.06	3858651.99	1.06573	0.62803	5.7065	0.62871	8.12E-02	6.70E+00	6.31E-01	3.60E-02	7.45E+00	7.89E-02	2.83E-05	6.31E-02	7.04E-03	1.49E-01	8.85E-02	6.70E+00	6.31E-01	3.60E-02	7.46E+00
1554	494711.06	3858651.99	1.03971	0.62314	5.2732	0.62496	7.92E-02	6.65E+00	5.83E-01	3.57E-02	7.35E+00	7.70E-02	2.81E-05	5.83E-02	7.00E-03	1.42E-01	8.63E-02	6.65E+00	5.83E-01	3.57E-02	7.36E+00
1555	494761.06	3858651.99	1.02266	0.61949	4.9854	0.62102	7.79E-02	6.61E+00	5.51E-01	3.55E-02	7.28E+00	7.57E-02	2.79E-05	5.51E-02	6.95E-03	1.38E-01	8.49E-02	6.61E+00	5.51E-01	3.55E-02	7.28E+00
1556	494811.06	3858651.99	0.98703	0.61374	4.6117	0.61755	7.52E-02	6.55E+00	5.10E-01	3.53E-02	7.17E+00	7.31E-02	2.77E-05	5.10E-02	6.91E-03	1.31E-01	8.19E-02	6.55E+00	5.10E-01	3.53E-02	7.18E+00
1557	494861.06	3858651.99	0.95517	0.60864	4.3693	0.61333	7.28E-02	6.50E+00	4.83E-01	3.51E-02	7.09E+00	7.07E-02	2.74E-05	4.83E-02	6.87E-03	1.26E-01	7.93E-02	6.50E+00	4.83E-01	3.51E-02	7.09E+00
1558	494911.06	3858651.99	0.91618	0.60298	4.2307	0.55784	6.98E-02	6.43E+00	4.68E-01	3.19E-02	7.00E+00	6.78E-02	2.72E-05	4.68E-02	6.24E-03	1.21E-01	7.61E-02	6.43E+00	4.68E-01	3.19E-02	7.01E+00
1559	494961.06	3858651.99	0.88196	0.59803	3.0852	0.54157	6.72E-02	6.38E+00	3.41E-01	3.10E-02	6.82E+00	6.53E-02	2.70E-05	3.41E-02	6.06E-03	1.05E-01	7.32E-02	6.38E+00	3.41E-01	3.10E-02	6.83E+00
1560	495011.06	3858651.99	0.85831	0.59442	2.9043	0.54258	6.54E-02	6.34E+00	3.21E-01	3.10E-02	6.76E+00	6.35E-02	2.68E-05	3.21E-02	6.07E-03	1.02E-01	7.13E-02	6.34E+00	3.21E-01	3.10E-02	6.77E+00
1561	495061.06	3858651.99	0.82921	0.59026	2.9065	0.54374	6.32E-02	6.30E+00	3.21E-01	3.11E-02	6.71E+00	6.14E-02	2.66E-05	3.21E-02	6.09E-03	9.96E-02	6.88E-02	6.30E+00	3.21E-01	3.11E-02	6.72E+00
1562	495111.06	3858651.99	0.79283	0.5853	2.9095	0.54511	6.04E-02	6.25E+00	3.22E-01	3.12E-02	6.66E+00	5.87E-02	2.64E-05	3.22E-02	6.10E-03	9.70E-02	6.58E-02	6.25E+00	3.22E-01	3.12E-02	6.66E+00
1563	495161.06	3858651.99	0.77375	0.58245	2.9105	0.54586	5.90E-02	6.22E+00	3.22E-01	3.12E-02	6.63E+00	5.73E-02	2.63E-05	3.22E-02	6.11E-03	9.56E-02	6.42E-02	6.22E+00	3.22E-01	3.12E-02	6.63E+00
1564	495211.06	3858651.99	0.749	0.57896	2.9122	0.54678	5.71E-02	6.18E+00	3.22E-01	3.13E-02	6.59E+00	5.55E-02	2.61E-05	3.22E-02	6.12E-03	9.38E-02	6.22E-02	6.18E+00	3.22E-01	3.13E-02	6.59E+00
1565	495261.06	3858651.99	0.74866	0.57848	2.9105	0.54679	5.71E-02	6.17E+00	3.22E-01	3.13E-02	6.58E+00	5.54E-02	2.61E-05	3.22E-02	6.12E-03	9.38E-02	6.22E-02	6.17E+00	3.22E-01	3.13E-02	6.59E+00
1566	495311.06	3858651.99	0.74031	0.57707	2.9096	0.54704	5.64E-02	6.16E+00	3.22E-01	3.13E-02	6.57E+00	5.48E-02	2.60E-05	3.22E-02	6.12E-03	9.31E-02	6.15E-02	6.16E+00	3.22E-01	3.13E-02	6.57E+00
1567	495361.06	3858651.99	0.73898	0.57655	2.9075	0.54701	5.63E-02	6.15E+00	3.21E-01	3.13E-02	6.56E+00	5.47E-02	2.60E-05	3.21E-02	6.12E-03	9.30E-02	6.14E-02	6.15E+00	3.21E-01	3.13E-02	6.57E+00
1568	495411.06	3858651.99	0.74121	0.57646	2.9047	0.54683	5.65E-02	6.15E+00	3.21E-01	3.13E-02	6.56E+00	5.49E-02	2.60E-05	3.21E-02	6.12E-03	9.31E-02	6.15E-02	6.15E+00	3.21E-01	3.13E-02	6.57E+00
1569	495461.06	3858651.99	0.74809	0.57695	2.9011	0.54647	5.70E-02	6.16E+00	3.21E-01	3.12E-02	6.57E+00	5.54E-02	2.60E-05	3.21E-02	6.12E-03	9.36E-02	6.21E-02	6.16E+00	3.21E-01	3.12E-02	6.57E+00
1570	495511.06	3858651.99	0.73556	0.57518	2.8999	0.54673	5.61E-02	6.14E+00	3.21E-01	3.13E-02	6.55E+00	5.45E-02	2.59E-05	3.21E-02	6.12E-03	9.27E-02	6.11E-02	6.14E+00	3.21E-01	3.13E-02	6.55E+00
1571	495561.06	3858651.99	0.7286	0.57409	2.8977	0.54677	5.55E-02	6.13E+00	3.20E-01	3.13E-02	6.53E+00	5.39E-02	2.59E-05	3.20E-02	6.12E-03	9.21E-02	6.05E-02	6.13E+00	3.20E-01	3.13E-02	6.54E+00
1572	495611.06	3858651.99	0.71248	0.57194	2.8967	0.5471	5.43E-02	6.10E+00	3.20E-01	3.13E-02	6.51E+00	5.27E-02	2.58E-05	3.20E-02	6.12E-03	9.09E-02	5.92E-02	6.10E+00	3.20E-01	3.13E-02	6.51E+00
1573	495661.06	3858651.99	0.71325	0.57181	2.8931	0.54682	5.44E-02	6.10E+00	3.20E-01	3.13E-02	6.51E+00	5.28E-02	2.58E-05	3.20E-02	6.12E-03	9.09E-02	5.92E-02	6.10E+00	3.20E-01	3.13E-02	6.51E+00
1574	494311.06	3858701.99	0.88854	0.62575	4.6591	0.59222	6.77E-02	6.68E+00	5.15E-01	3.39E-02	7.29E+00	6.58E-02	2.82E-05	5.15E-02	6.63E-03	1.24E-01	7.38E-02	6.68E+00	5.15E-01	3.39E-02	7.30E+00
1575	494361.06	3858701.99	1.00562	0.64524	7.514	0.63456	7.66E-02	6.89E+00	8.31E-01	3.63E-02	7.83E+00	7.44E-02	2.91E-05	8.31E-02	7.10E-03	1.65E-01	8.35E-02	6.89E+00	8.31E-01	3.63E-02	7.84E+00
1576	494411.06	3858701.99	1.06864	0.65872	9.8622	0.62849	8.15E-02	7.03E+00	1.09E+00	3.59E-02	8.24E+00	7.91E-02	2.97E-05	1.09E-01	7.04E-03	1.95E-01	8.87E-02	7.03E+00	1.09E+00	3.59E-02	8.24E+00
1577	494461.06	3858701.99	1.06682	0.65899	10.029	0.624	8.13E-02	7.03E+00	1.11E+00	3.57E-02	8.26E+00	7.90E-02	2.97E-05	1.11E-01	6.99E-03	1.97E-01	8.86E-02	7.03E+00	1.11E+00	3.57E-02	8.27E+00
1578	494511.06	3858701.99	1.06651	0.66189	7.5447	0.61975	8.13E-02	7.06E+00	8.34E-01	3.54E-02	8.01E+00	7.90E-02	2.98E-05	8.34E-02	6.94E-03	1.69E-01	8.85E-02	7.06E+00	8.34E-01	3.54E-02	8.02E+00
1579	494561.06	3858701.99	1.07684	0.65968	7.3627	0.61539	8.21E-02	7.04E+00	8.14E-01	3.52E-02	7.97E+00	7.97E-02	2.97E-05	8.14E-02	6.89E-03	1.68E-01	8.94E-02	7.04E+00	8.14E-01	3.52E-02	7.98E+00
1580	494611.06	3858701.99	1.05196	0.65279	6.6746	0.61149	8.02E-02	6.97E+00	7.38E-01	3.50E-02	7.82E+00	7.79E-02	2.94E-05	7.38E-02	6.85E-03	1.59E-01	8.73E-02	6.97E+00	7.38E-01	3.50E-02	7.83E+00
1581	494661.06	3858701.99	1.07365	0.65269	6.7143	0.60687	8.18E-02	6.97E+00	7.42E-01	3.47E-02	7.82E+00	7.95E-02	2.94E-05	7.42E-02	6.79E-03	1.61E-01	8.91E-02	6.97E+00	7.42E-01	3.47E-02	7.83E+00
1582	494711.06	3858701.99	0.9852	0.6379	5.3497	0.60417	7.51E-02	6.81E+00	5.91E-01	3.45E-02	7.51E+00	7.29E-02	2.88E-05	5.91E-02	6.76E-03	1.39E-01	8.18E-02	6.81E+00	5.91E-01	3.45E-02	7.52E+00

1583	494761.06	3858701.99	1.02981	0.64135	5.6748	0.5989	7.85E-02	6.84E+00	6.27E-01	3.42E-02	7.58E+00	7.62E-02	2.89E-05	6.27E-02	6.70E-03	1.46E-01	8.55E-02	6.84E+00	6.27E-01	3.42E-02	7.59E+00
1584	494811.06	3858701.99	2.32128	0.63497	5.1694	0.59513	1.77E-01	6.78E+00	5.72E-01	3.40E-02	7.56E+00	1.72E-01	2.86E-05	5.72E-02	6.66E-03	2.36E-01	1.93E-01	6.78E+00	5.72E-01	3.40E-02	7.57E+00
1585	494861.06	3858701.99	0.97748	0.62996	4.8402	0.59121	7.45E-02	6.72E+00	5.35E-01	3.38E-02	7.37E+00	7.24E-02	2.84E-05	5.35E-02	6.62E-03	1.33E-01	8.12E-02	6.72E+00	5.35E-01	3.38E-02	7.37E+00
1586	494911.06	3858701.99	0.96001	0.62573	4.6082	0.58721	7.32E-02	6.68E+00	5.09E-01	3.36E-02	7.29E+00	7.11E-02	2.82E-05	5.09E-02	6.57E-03	1.29E-01	7.97E-02	6.68E+00	5.09E-01	3.36E-02	7.30E+00
1587	494961.06	3858701.99	0.90537	0.61699	4.3111	0.54894	6.90E-02	6.58E+00	4.77E-01	3.14E-02	7.16E+00	6.70E-02	2.78E-05	4.77E-02	6.15E-03	1.21E-01	7.52E-02	6.58E+00	4.77E-01	3.14E-02	7.17E+00
1588	495011.06	3858701.99	0.87609	0.61175	3.6073	0.55013	6.68E-02	6.53E+00	3.99E-01	3.15E-02	7.03E+00	6.49E-02	2.76E-05	3.99E-02	6.16E-03	1.11E-01	7.27E-02	6.53E+00	3.99E-01	3.15E-02	7.03E+00
1589	495061.06	3858701.99	0.87079	0.6097	3.1227	0.55048	6.64E-02	6.51E+00	3.45E-01	3.15E-02	6.95E+00	6.45E-02	2.75E-05	3.45E-02	6.16E-03	1.05E-01	7.23E-02	6.51E+00	3.45E-01	3.15E-02	6.96E+00
1590	495111.06	3858701.99	0.83255	0.60365	2.7711	0.55187	6.35E-02	6.44E+00	3.06E-01	3.16E-02	6.84E+00	6.16E-02	2.72E-05	3.06E-02	6.18E-03	9.85E-02	6.91E-02	6.44E+00	3.06E-01	3.16E-02	6.85E+00
1591	495161.06	3858701.99	0.81977	0.6009	2.7736	0.55236	6.25E-02	6.41E+00	3.07E-01	3.16E-02	6.81E+00	6.07E-02	2.71E-05	3.07E-02	6.18E-03	9.76E-02	6.81E-02	6.41E+00	3.07E-01	3.16E-02	6.82E+00
1592	495211.06	3858701.99	0.79712	0.59699	2.7768	0.55314	6.08E-02	6.37E+00	3.07E-01	3.16E-02	6.77E+00	5.90E-02	2.69E-05	3.07E-02	6.19E-03	9.59E-02	6.62E-02	6.37E+00	3.07E-01	3.16E-02	6.78E+00
1593	495261.06	3858701.99	0.79998	0.59637	2.7774	0.553	6.10E-02	6.36E+00	3.07E-01	3.16E-02	6.76E+00	5.92E-02	2.69E-05	3.07E-02	6.19E-03	9.61E-02	6.64E-02	6.36E+00	3.07E-01	3.16E-02	6.77E+00
1594	495311.06	3858701.99	0.80289	0.59581	2.7776	0.55282	6.12E-02	6.36E+00	3.07E-01	3.16E-02	6.76E+00	5.94E-02	2.69E-05	3.07E-02	6.19E-03	9.64E-02	6.67E-02	6.36E+00	3.07E-01	3.16E-02	6.76E+00
1595	495361.06	3858701.99	0.79931	0.59451	2.7782	0.55282	6.09E-02	6.34E+00	3.07E-01	3.16E-02	6.74E+00	5.92E-02	2.68E-05	3.07E-02	6.19E-03	9.61E-02	6.64E-02	6.34E+00	3.07E-01	3.16E-02	6.75E+00
1596	495411.06	3858701.99	0.80638	0.59457	2.7775	0.55244	6.15E-02	6.35E+00	3.07E-01	3.16E-02	6.75E+00	5.97E-02	2.68E-05	3.07E-02	6.18E-03	9.66E-02	6.69E-02	6.35E+00	3.07E-01	3.16E-02	6.75E+00
1597	495461.06	3858701.99	0.80576	0.59372	2.7774	0.55228	6.14E-02	6.34E+00	3.07E-01	3.16E-02	6.74E+00	5.97E-02	2.68E-05	3.07E-02	6.18E-03	9.66E-02	6.69E-02	6.34E+00	3.07E-01	3.16E-02	6.74E+00
1598	495511.06	3858701.99	0.79851	0.59213	2.7776	0.55229	6.09E-02	6.32E+00	3.07E-01	3.16E-02	6.72E+00	5.91E-02	2.67E-05	3.07E-02	6.18E-03	9.60E-02	6.63E-02	6.32E+00	3.07E-01	3.16E-02	6.72E+00
1599	495561.06	3858701.99	0.78705	0.59007	2.778	0.5524	6.00E-02	6.30E+00	3.07E-01	3.16E-02	6.70E+00	5.83E-02	2.66E-05	3.07E-02	6.18E-03	9.52E-02	6.53E-02	6.30E+00	3.07E-01	3.16E-02	6.70E+00
1600	495611.06	3858701.99	0.77478	0.58795	2.7782	0.5525	5.91E-02	6.27E+00	3.07E-01	3.16E-02	6.67E+00	5.74E-02	2.65E-05	3.07E-02	6.18E-03	9.43E-02	6.43E-02	6.27E+00	3.07E-01	3.16E-02	6.68E+00
1601	495661.06	3858701.99	0.77068	0.58688	2.7775	0.55232	5.87E-02	6.26E+00	3.07E-01	3.16E-02	6.66E+00	5.71E-02	2.65E-05	3.07E-02	6.18E-03	9.40E-02	6.40E-02	6.26E+00	3.07E-01	3.16E-02	6.67E+00
1602	494311.06	3858751.99	0.9526	0.64709	5.2413	0.62022	7.26E-02	6.91E+00	5.79E-01	3.55E-02	7.59E+00	7.05E-02	2.92E-05	5.79E-02	6.94E-03	1.35E-01	7.91E-02	6.91E+00	5.79E-01	3.55E-02	7.60E+00
1603	494361.06	3858751.99	1.09164	0.67572	9.8112	0.61156	8.32E-02	7.21E+00	1.08E+00	3.50E-02	8.41E+00	8.08E-02	3.05E-05	1.08E-01	6.85E-03	1.96E-01	9.06E-02	7.21E+00	1.08E+00	3.50E-02	8.42E+00
1604	494411.06	3858751.99	1.14058	0.68659	11.934	0.63908	8.69E-02	7.33E+00	1.32E+00	3.65E-02	8.77E+00	8.44E-02	3.10E-05	1.32E-01	7.15E-03	2.24E-01	9.47E-02	7.33E+00	1.32E+00	3.65E-02	8.78E+00
1605	494461.06	3858751.99	1.13919	0.68643	12.116	0.65573	8.68E-02	7.33E+00	1.34E+00	3.75E-02	8.79E+00	8.43E-02	3.09E-05	1.34E-01	7.34E-03	2.26E-01	9.46E-02	7.33E+00	1.34E+00	3.75E-02	8.80E+00
1606	494511.06	3858751.99	1.13584	0.69031	8.913	0.59735	8.66E-02	7.37E+00	9.85E-01	3.42E-02	8.47E+00	8.41E-02	3.11E-05	9.85E-02	6.69E-03	1.89E-01	9.43E-02	7.37E+00	9.85E-01	3.42E-02	8.48E+00
1607	494561.06	3858751.99	1.11617	0.68188	9.2364	0.59285	8.51E-02	7.28E+00	1.02E+00	3.39E-02	8.42E+00	8.26E-02	3.07E-05	1.02E-01	6.64E-03	1.91E-01	9.27E-02	7.28E+00	1.02E+00	3.39E-02	8.42E+00
1608	494611.06	3858751.99	1.08379	0.67591	8.3676	0.58856	8.26E-02	7.21E+00	9.25E-01	3.37E-02	8.25E+00	8.02E-02	3.05E-05	9.25E-02	6.59E-03	1.79E-01	9.00E-02	7.21E+00	9.25E-01	3.37E-02	8.26E+00
1609	494661.06	3858751.99	1.06992	0.67249	8.9174	0.58403	8.16E-02	7.18E+00	9.86E-01	3.34E-02	8.28E+00	7.92E-02	3.03E-05	9.86E-02	6.54E-03	1.84E-01	8.88E-02	7.18E+00	9.86E-01	3.34E-02	8.28E+00
1610	494711.06	3858751.99	1.02567	0.66332	7.692	0.57996	7.82E-02	7.08E+00	8.50E-01	3.32E-02	8.04E+00	7.59E-02	2.99E-05	8.50E-02	6.49E-03	1.67E-01	8.52E-02	7.08E+00	8.50E-01	3.32E-02	8.05E+00
1611	494761.06	3858751.99	1.02695	0.66355	6.6049	0.57572	7.83E-02	7.08E+00	7.30E-01	3.29E-02	7.92E+00	7.60E-02	2.99E-05	7.30E-02	6.44E-03	1.56E-01	8.53E-02	7.08E+00	7.30E-01	3.29E-02	7.93E+00
1612	494811.06	3858751.99	0.99895	0.65577	5.9269	0.57175	7.61E-02	7.00E+00	6.55E-01	3.27E-02	7.76E+00	7.40E-02	2.96E-05	6.55E-02	6.40E-03	1.46E-01	8.29E-02	7.00E+00	6.55E-01	3.27E-02	7.77E+00
1613	494861.06	3858751.99	0.97538	0.64907	5.4075	0.56779	7.43E-02	6.93E+00	5.98E-01	3.25E-02	7.63E+00	7.22E-02	2.93E-05	5.98E-02	6.36E-03	1.38E-01	8.10E-02	6.93E+00	5.98E-01	3.25E-02	7.64E+00
1614	494911.06	3858751.99	0.94474	0.64162	4.9121	0.56404	7.20E-02	6.85E+00	5.43E-01	3.23E-02	7.49E+00	6.99E-02	2.89E-05	5.43E-02	6.31E-03	1.31E-01	7.84E-02	6.85E+00	5.43E-01	3.23E-02	7.50E+00
1615	494961.06	3858751.99	0.92762	0.63641	4.6426	0.56007	7.07E-02	6.79E+00	5.13E-01	3.20E-02	7.41E+00	6.87E-02	2.87E-05	5.13E-02	6.27E-03	1.26E-01	7.70E-02	6.79E+00	5.13E-01	3.20E-02	7.41E+00
1616	495011.06	3858751.99	0.9212	0.63297	4.501	0.55583	7.02E-02	6.75E+00	4.98E-01	3.18E-02	7.35E+00	6.82E-02	2.85E-05	4.98E-02	6.22E-03	1.24E-01	7.65E-02	6.75E+00	4.98E-01	3.18E-02	7.36E+00
1617	495061.06	3858751.99	0.89981	0.62766	4.3291	0.55662	6.86E-02	6.70E+00	4.79E-01	3.18E-02	7.28E+00	6.66E-02	2.83E-05	4.79E-02	6.23E-03	1.21E-01	7.47E-02	6.70E+00	4.79E-01	3.18E-02	7.28E+00
1618	495111.06	3858751.99	0.86913	0.62141	4.0298	0.55777	6.62E-02	6.63E+00	4.46E-01	3.19E-02	7.18E+00	6.43E-02	2.80E-05	4.46E-02	6.24E-03	1.15E-01	7.22E-02	6.63E+00	4.46E-01	3.19E-02	7.18E+00
1619	495161.06	3858751.99	0.85776	0.61797	3.3401	0.55821	6.54E-02	6.59E+00	3.69E-01	3.19E-02	7.06E+00	6.35E-02	2.79E-05	3.69E-02	6.25E-03	1.07E-01	7.12E-02	6.59E+00	3.69E-01	3.19E-02	7.07E+00
1620	495211.06	3858751.99	0.83761	0.61351	2.657	0.55888	6.38E-02	6.55E+00	2.94E-01	3.20E-02	6.94E+00	6.20E-02	2.77E-05	2.94E-02	6.26E-03	9.77E-02	6.95E-02	6.55E+00	2.94E-01	3.20E-02	6.94E+00
1621	495261.06	3858751.99	0.84134	0.61235	2.6454	0.5587	6.41E-02	6.53E+00	2.92E-01	3.19E-02	6.92E+00	6.23E-02	2.76E-05	2.92E-02	6.25E-03	9.78E-02	6.98E-02	6.53E+00	2.92E-01	3.19E-02	6.93E+00
1622	495311.06	3858751.99	0.84729	0.61159	2.6355	0.5584	6.46E-02	6.53E+00	2.91E-01	3.19E-02	6.91E+00	6.27E-02	2.76E-05	2.91E-02	6.25E-03	9.81E-02	7.03E-02	6.53E+00	2.91E-01	3.19E-02	6.92E+00
1623	495361.06	3858751.99	0.84682	0.61007	2.6381	0.55827	6.45E-02	6.51E+00	2.92E-01	3.19E-02	6.90E+00	6.27E-02	2.75E-05	2.92E-02	6.25E-03	9.81E-02	7.03E-02	6.51E+00	2.92E-01	3.19E-02	6.90E+00
1624	495411.06	3858751.99	0.85961	0.61035	2.6396	0.55769	6.55E-02	6.51E+00	2.92E-01	3.19E-02	6.90E+00	6.36E-02	2.75E-05	2.92E-02	6.24E-03	9.91E-02	7.14E-02	6.51E+00	2.92E-01	3.19E-02	6.91E+00
1625	495461.06	3858751.99	0.86072	0.60918	2.6416	0.55743	6.56E-02	6.50E+00	2.92E-01	3.19E-02	6.89E+00	6.37E-02	2.75E-05	2.92E-02	6.24E-03	9.92E-02	7.15E-02	6.50E+00	2.92E-01	3.19E-02	6.90E+00
1626	495511.06	3858751.99	0.8548	0.6072	2.6438	0.55736	6.52E-02	6.48E+00	2.92E-01	3.19E-02	6.87E+00	6.33E-02	2.74E-05	2.92E-02	6.24E-03	9.88E-02	7.10E-02	6.48E+00	2.92E-01	3.19E-02	6.88E+00
1627	495561.06	3858751.99	0.84558	0.60488	2.646	0.55734	6.45E-02	6.46E+00	2.93E-01	3.19E-02	6.84E+00	6.26E-02	2.73E-05	2.93E-02	6.24E-03	9.81E-02	7.02E-02	6.46E+00	2.93E-01	3.19E-02	6.85E+00
1628	495611.06	3858751.99	0.83575	0.60257	2.648	0.5573	6.37E-02	6.43E+00	2.93E-01	3.19E-02	6.82E+00	6.19E-02	2.72E-05	2.93E-02	6.24E-03	9.74E-02	6.94E-02	6.43E+00	2.93E-01	3.19E-02	6.82E+00
1629	495661.06	3858751.99	0.82966	0.60079	2.6496	0.55712	6.32E-02	6.41E+00	2.93E-01	3.19E-02	6.80E+00	6.14E-02	2.71E-05	2.93E-02	6.24E-03	9.70E-02	6.89E-02	6.41E+00	2.93E-01	3.19E-02	6.81E+00
1630	494311.06	3858801.99	1.04706	0.67746	6.9715	0.5947	7.98E-02	7.23E+00	7.71E-01	3.40E-02	8.11E+00	7.75E-02	3.05E-05	7.71E-02	6.66E-03	1.61E-01	8.69E-02	7.23E+00	7.71E-01	3.40E-02	8.12E+00
1631	494361.06	3858801.99	1.16446	0.70294	11.797	0.61756	8.88E-02	7.50E+00	1.30E+00	3.53E-02	8.93E+00	8.62E-02	3.17E-05	1.30E-01	6.91E-03	2.24E-01	9.67E-02	7.50E+00	1.30E+00	3.53E-02	8.94E+00
1632	494411.06	3858801.99	1.1916	0.70891	13.065	0.69498	9.08E-02	7.57E+00	1.44E+00	3.97E-02	9.14E+00	8.82E-02	3.20E-05	1.44E-01	7.78E-03	2.40E-01	9.89E-02	7.57E+00	1.44E+00	3.97E-02	9.15E+00
1633	494461.06	3858801.99	1.2037	0.71155	12.629	0.68862	9.17E-02	7.59E+00	1.40E+00	3.94E-02	9.12E+00	8.91E-02	3.21E-05	1.40E-01	7.71E-03	2.36E-01	9.99E-02	7.59E+00	1.40E+00	3.94E-02	9.13E+00
1634	494511.06	3858801.99	1.20344	0.716	9.8947	0.59647	9.17E-02	7.64E+00	1.09E+00	3.41E-02	8.86E+00	8.91E-02	3.23E-05	1.09E-01	6.68E-03	2.05E-01	9.99E-02	7.64E+00	1.09E+00	3.41E-02	8.87E+00
1635	494561.06	3858801.99	1.19434	0.7136	9.8307	0.59755	9.10E-02	7.62E+00	1.09E+00	3.42E-02	8.83E+00	8.84E-02	3.22E-05	1.09E-01	6.69E-03	2.04E-01	9.92E-02	7.62E+00	1.09E+00	3.42E-02	8.84E+00
1636	494611.06	3858801.99	1.1761	0.70904	9.5551	0.58241	8.96E-02	7.57E+00	1.06E+00	3.33E-02	8.75E+00	8.71E-02	3.20E-05	1.06E-01	6.52E-03	1.99E-01	9.76E-02	7.57E+00	1.06E+00	3.33E-02	8.75E+00
1637	494661.06	3858801.99	1.14532	0.70141	8.9686	0.56113	8.73E-02	7.49E+00	9.92E-01	3.21E-02	8.60E+00	8.48E-02	3.16E-05	9.92E-02	6.28E-03	1.90E-01	9.51E-02	7.49E+00	9.92E-01	3.21E-02	8.60E+00
1638	494711.06	3858801.99	1.10816	0.69259	8.2364	0.55638	8.45E-02	7.39E+00	9.11E-01	3.18E-02	8.42E+00	8.20E-02	3.12E-05	9.11E-02	6.23E-03	1.79E-01	9.20E-02	7.39E+00	9.11E-01	3.18E-02	8.43E+00
1639	494761.06	3858801.99	1.06453	0.68248	7.3652	0.55631	8.11E-02	7.28E+00	8.14E-01	3.18E-02	8.21E+00	7.88E-02	3.08E-05	8.14E-02	6.23E-03	1.66E-01	8.84E-02	7.28E+00	8.14E-01	3.18E-02	8.22E+00
1640	494811.06	3858801.99	1.01933	0.67238	6.5038	0.55807	7.77E-02	7.18E+00	7.19E-01	3.19E-02	8.00E+00	7.55E-02	3.03E-05	7.19E-02	6.25E-03	1.54E-01	8.46E-02	7.18E+00	7.19E-01	3.19E-02	8.01E+00
1641	494861.06	3858801.99	0.99463	0.66719	6.1293	0.5588	7.58E-02	7.12E+00	6.78E-01	3.20E-02	7.91E+00	7.36E-02	3.01E-05	6.78E-02	6.26E-03	1.48E-01	8.26E-02	7.12E+00	6.78E-01	3.20E-02	7.91E+00
1642	494911.06	3858801.99	0.95775	0.65932	5.5422	0.56009	7.30E-02	7.04E+00	6.13E-01	3.20E-02	7.75E+00	7.09E-02	2.97E-05	6.13E-02	6.27E-03	1.38E-01	7.95E-02	7.04E+00	6.13E-01	3.20E-02	7.76E+00
1643	494961.06	3858801.99	0.92983	0.65364	5.1796	0.56091	7.09E-02	6.98E+00	5.73E-01	3.21E-02	7.65E+00	6.88E-02	2.95E-05	5.73E-02	6.28E-03	1.32E-01	7.72E-02	6.98E+00	5.73E-01	3.21E-02	7.66E+00

1644	495011.06	3858801.99	0.9108	0.64758	4.8364	0.56177	6.94E-02	6.91E+00	5.35E-01	3.21E-02	7.55E+00	6.74E-02	2.92E-05	5.35E-02	6.29E-03	1.27E-01	7.56E-02	6.91E+00	5.35E-01	3.21E-02	7.55E+00
1645	495061.06	3858801.99	0.90855	0.64377	4.6672	0.56211	6.93E-02	6.87E+00	5.16E-01	3.21E-02	7.49E+00	6.73E-02	2.90E-05	5.16E-02	6.29E-03	1.25E-01	7.54E-02	6.87E+00	5.16E-01	3.21E-02	7.49E+00
1646	495111.06	3858801.99	0.87959	0.63608	4.3551	0.56332	6.70E-02	6.79E+00	4.82E-01	3.22E-02	7.37E+00	6.51E-02	2.87E-05	4.82E-02	6.31E-03	1.20E-01	7.30E-02	6.79E+00	4.82E-01	3.22E-02	7.37E+00
1647	495161.06	3858801.99	0.86229	0.63057	4.2236	0.56402	6.57E-02	6.73E+00	4.67E-01	3.23E-02	7.29E+00	6.38E-02	2.84E-05	4.67E-02	6.31E-03	1.17E-01	7.16E-02	6.73E+00	4.67E-01	3.23E-02	7.30E+00
1648	495211.06	3858801.99	0.8606	0.62768	4.1823	0.56409	6.56E-02	6.70E+00	4.62E-01	3.23E-02	7.26E+00	6.37E-02	2.83E-05	4.62E-02	6.31E-03	1.16E-01	7.14E-02	6.70E+00	4.62E-01	3.23E-02	7.26E+00
1649	495261.06	3858801.99	0.86893	0.62642	4.1629	0.56377	6.62E-02	6.68E+00	4.60E-01	3.22E-02	7.24E+00	6.43E-02	2.82E-05	4.60E-02	6.31E-03	1.17E-01	7.21E-02	6.69E+00	4.60E-01	3.22E-02	7.25E+00
1650	495311.06	3858801.99	0.88053	0.62573	4.148	0.56329	6.71E-02	6.68E+00	4.59E-01	3.22E-02	7.24E+00	6.52E-02	2.82E-05	4.59E-02	6.31E-03	1.17E-01	7.31E-02	6.68E+00	4.59E-01	3.22E-02	7.24E+00
1651	495361.06	3858801.99	0.88492	0.62413	4.1238	0.56301	6.74E-02	6.66E+00	4.56E-01	3.22E-02	7.22E+00	6.55E-02	2.81E-05	4.56E-02	6.30E-03	1.17E-01	7.35E-02	6.66E+00	4.56E-01	3.22E-02	7.22E+00
1652	495411.06	3858801.99	0.90711	0.62514	4.1282	0.56213	6.91E-02	6.67E+00	4.56E-01	3.21E-02	7.23E+00	6.72E-02	2.82E-05	4.56E-02	6.29E-03	1.19E-01	7.53E-02	6.67E+00	4.56E-01	3.21E-02	7.24E+00
1653	495461.06	3858801.99	0.90836	0.62332	4.096	0.56187	6.92E-02	6.65E+00	4.53E-01	3.21E-02	7.21E+00	6.72E-02	2.81E-05	4.53E-02	6.29E-03	1.19E-01	7.54E-02	6.65E+00	4.53E-01	3.21E-02	7.21E+00
1654	495511.06	3858801.99	0.90174	0.62053	4.0593	0.56179	6.87E-02	6.62E+00	4.49E-01	3.21E-02	7.17E+00	6.68E-02	2.80E-05	4.49E-02	6.29E-03	1.18E-01	7.49E-02	6.62E+00	4.49E-01	3.21E-02	7.18E+00
1655	495561.06	3858801.99	0.89844	0.61832	4.0356	0.56157	6.85E-02	6.60E+00	4.46E-01	3.21E-02	7.15E+00	6.65E-02	2.79E-05	4.46E-02	6.29E-03	1.17E-01	7.46E-02	6.60E+00	4.46E-01	3.21E-02	7.15E+00
1656	495611.06	3858801.99	0.88482	0.61484	3.3844	0.56161	6.74E-02	6.56E+00	3.74E-01	3.21E-02	7.04E+00	6.55E-02	2.77E-05	3.74E-02	6.29E-03	1.09E-01	7.35E-02	6.56E+00	3.74E-01	3.21E-02	7.04E+00
1657	495661.06	3858801.99	0.88505	0.61332	3.1542	0.5612	6.75E-02	6.55E+00	3.49E-01	3.21E-02	6.99E+00	6.55E-02	2.76E-05	3.49E-02	6.28E-03	1.07E-01	7.35E-02	6.55E+00	3.49E-01	3.21E-02	7.00E+00
1658	494311.06	3858851.99	1.20221	0.72231	11.376	0.64668	9.16E-02	7.71E+00	1.26E+00	3.70E-02	9.09E+00	8.90E-02	3.26E-05	1.26E-01	7.24E-03	2.22E-01	9.98E-02	7.71E+00	1.26E+00	3.70E-02	9.10E+00
1659	494361.06	3858851.99	1.26877	0.73869	14.796	0.85748	9.67E-02	7.88E+00	1.64E+00	4.90E-02	9.66E+00	9.39E-02	3.33E-05	1.64E-01	9.60E-03	2.67E-01	1.05E-01	7.88E+00	1.64E+00	4.90E-02	9.67E+00
1660	494411.06	3858851.99	1.26521	0.73657	14.854	0.84562	9.64E-02	7.86E+00	1.64E+00	4.84E-02	9.65E+00	9.37E-02	3.32E-05	1.64E-01	9.47E-03	2.67E-01	1.05E-01	7.86E+00	1.64E+00	4.84E-02	9.66E+00
1661	494461.06	3858851.99	1.26991	0.73703	13.963	0.79189	9.68E-02	7.87E+00	1.54E+00	4.53E-02	9.55E+00	9.40E-02	3.32E-05	1.54E-01	8.86E-03	2.57E-01	1.05E-01	7.87E+00	1.54E+00	4.53E-02	9.56E+00
1662	494511.06	3858851.99	1.26287	0.73914	10.45	0.6505	9.63E-02	7.89E+00	1.16E+00	3.72E-02	9.18E+00	9.35E-02	3.33E-05	1.16E-01	7.28E-03	2.16E-01	1.05E-01	7.89E+00	1.16E+00	3.72E-02	9.19E+00
1663	494561.06	3858851.99	1.2514	0.73538	10.349	0.64786	9.54E-02	7.85E+00	1.14E+00	3.70E-02	9.12E+00	9.26E-02	3.31E-05	1.14E-01	7.25E-03	2.14E-01	1.04E-01	7.85E+00	1.14E+00	3.70E-02	9.13E+00
1664	494611.06	3858851.99	1.22965	0.72884	10.013	0.62568	9.37E-02	7.78E+00	1.11E+00	3.58E-02	9.01E+00	9.10E-02	3.29E-05	1.11E-01	7.00E-03	2.09E-01	1.02E-01	7.78E+00	1.11E+00	3.58E-02	9.02E+00
1665	494661.06	3858851.99	1.20112	0.72065	9.5213	0.61212	9.16E-02	7.69E+00	1.05E+00	3.50E-02	8.87E+00	8.89E-02	3.25E-05	1.05E-01	6.85E-03	2.01E-01	9.97E-02	7.69E+00	1.05E+00	3.50E-02	8.88E+00
1666	494711.06	3858851.99	1.15875	0.70906	8.6991	0.5906	8.83E-02	7.57E+00	9.62E-01	3.38E-02	8.65E+00	8.58E-02	3.20E-05	9.62E-02	6.61E-03	1.89E-01	9.62E-02	7.57E+00	9.62E-01	3.38E-02	8.66E+00
1667	494761.06	3858851.99	1.11709	0.69828	7.8944	0.5668	8.51E-02	7.45E+00	8.73E-01	3.24E-02	8.44E+00	8.27E-02	3.15E-05	8.73E-02	6.34E-03	1.76E-01	9.27E-02	7.45E+00	8.73E-01	3.24E-02	8.45E+00
1668	494811.06	3858851.99	1.08221	0.68954	7.2573	0.5634	8.25E-02	7.36E+00	8.02E-01	3.22E-02	8.28E+00	8.01E-02	3.11E-05	8.02E-02	6.31E-03	1.67E-01	8.98E-02	7.36E+00	8.02E-01	3.22E-02	8.28E+00
1669	494861.06	3858851.99	1.05887	0.68387	6.8926	0.56398	8.07E-02	7.30E+00	7.62E-01	3.23E-02	8.17E+00	7.84E-02	3.08E-05	7.62E-02	6.31E-03	1.61E-01	8.79E-02	7.30E+00	7.62E-01	3.23E-02	8.18E+00
1670	494911.06	3858851.99	1.0258	0.67603	6.3296	0.56499	7.82E-02	7.21E+00	7.00E-01	3.23E-02	8.02E+00	7.59E-02	3.05E-05	7.00E-02	6.32E-03	1.52E-01	8.52E-02	7.21E+00	7.00E-01	3.23E-02	8.03E+00
1671	494961.06	3858851.99	0.99663	0.66935	5.8788	0.56577	7.60E-02	7.14E+00	6.50E-01	3.24E-02	7.90E+00	7.38E-02	3.02E-05	6.50E-02	6.33E-03	1.45E-01	8.27E-02	7.14E+00	6.50E-01	3.24E-02	7.91E+00
1672	495011.06	3858851.99	0.97263	0.66397	5.5536	0.56626	7.41E-02	7.09E+00	6.14E-01	3.24E-02	7.81E+00	7.20E-02	2.99E-05	6.14E-02	6.34E-03	1.40E-01	8.07E-02	7.09E+00	6.14E-01	3.24E-02	7.81E+00
1673	495061.06	3858851.99	0.94403	0.65761	5.1716	0.56693	7.20E-02	7.02E+00	5.72E-01	3.24E-02	7.69E+00	6.99E-02	2.96E-05	5.72E-02	6.35E-03	1.33E-01	7.84E-02	7.02E+00	5.72E-01	3.24E-02	7.70E+00
1674	495111.06	3858851.99	0.89378	0.64626	4.5383	0.56866	6.81E-02	6.90E+00	5.02E-01	3.25E-02	7.50E+00	6.62E-02	2.91E-05	5.02E-02	6.37E-03	1.23E-01	7.42E-02	6.90E+00	5.02E-01	3.25E-02	7.51E+00
1675	495161.06	3858851.99	0.86648	0.64036	4.3214	0.56922	6.60E-02	6.83E+00	4.78E-01	3.25E-02	7.41E+00	6.41E-02	2.89E-05	4.78E-02	6.37E-03	1.18E-01	7.19E-02	6.83E+00	4.78E-01	3.25E-02	7.42E+00
1676	495211.06	3858851.99	0.86772	0.64053	4.3762	0.56843	6.61E-02	6.84E+00	4.84E-01	3.25E-02	7.42E+00	6.42E-02	2.89E-05	4.84E-02	6.36E-03	1.19E-01	7.20E-02	6.84E+00	4.84E-01	3.25E-02	7.42E+00
1677	495261.06	3858851.99	0.87974	0.63891	4.3523	0.56803	6.71E-02	6.82E+00	4.81E-01	3.25E-02	7.40E+00	6.51E-02	2.88E-05	4.81E-02	6.36E-03	1.20E-01	7.30E-02	6.82E+00	4.81E-01	3.25E-02	7.41E+00
1678	495311.06	3858851.99	0.89795	0.6385	4.3795	0.56736	6.84E-02	6.81E+00	4.84E-01	3.24E-02	7.40E+00	6.65E-02	2.88E-05	4.84E-02	6.35E-03	1.21E-01	7.45E-02	6.81E+00	4.84E-01	3.24E-02	7.41E+00
1679	495361.06	3858851.99	0.91055	0.63727	4.3685	0.56684	6.94E-02	6.80E+00	4.83E-01	3.24E-02	7.39E+00	6.74E-02	2.87E-05	4.83E-02	6.35E-03	1.22E-01	7.56E-02	6.80E+00	4.83E-01	3.24E-02	7.39E+00
1680	495411.06	3858851.99	0.92235	0.63606	4.3566	0.56631	7.03E-02	6.79E+00	4.82E-01	3.24E-02	7.37E+00	6.83E-02	2.87E-05	4.82E-02	6.34E-03	1.23E-01	7.66E-02	6.79E+00	4.82E-01	3.24E-02	7.38E+00
1681	495461.06	3858851.99	0.93569	0.63522	4.3594	0.5657	7.13E-02	6.78E+00	4.82E-01	3.23E-02	7.36E+00	6.93E-02	2.86E-05	4.82E-02	6.33E-03	1.24E-01	7.77E-02	6.78E+00	4.82E-01	3.23E-02	7.37E+00
1682	495511.06	3858851.99	0.93736	0.62964	4.62	0.56484	7.14E-02	6.72E+00	5.11E-01	3.23E-02	7.33E+00	6.94E-02	2.84E-05	5.11E-02	6.32E-03	1.27E-01	7.78E-02	6.72E+00	5.11E-01	3.23E-02	7.34E+00
1683	495561.06	3858851.99	0.92261	0.62786	4.1366	0.56554	7.03E-02	6.70E+00	4.57E-01	3.23E-02	7.26E+00	6.83E-02	2.83E-05	4.57E-02	6.33E-03	1.20E-01	7.66E-02	6.70E+00	4.57E-01	3.23E-02	7.27E+00
1684	495611.06	3858851.99	0.91079	0.62369	4.0429	0.56554	6.94E-02	6.66E+00	4.47E-01	3.23E-02	7.20E+00	6.74E-02	2.81E-05	4.47E-02	6.33E-03	1.18E-01	7.56E-02	6.66E+00	4.47E-01	3.23E-02	7.21E+00
1685	495661.06	3858851.99	0.92021	0.62283	4.0333	0.56485	7.01E-02	6.65E+00	4.46E-01	3.23E-02	7.20E+00	6.81E-02	2.81E-05	4.46E-02	6.32E-03	1.19E-01	7.64E-02	6.65E+00	4.46E-01	3.23E-02	7.20E+00
1686	494311.06	3858901.99	1.27513	0.74961	12.567	0.85991	9.72E-02	8.00E+00	1.39E+00	4.92E-02	9.54E+00	9.44E-02	3.38E-05	1.39E-01	9.63E-03	2.43E-01	1.06E-01	8.00E+00	1.39E+00	4.92E-02	9.54E+00
1687	494361.06	3858901.99	1.32499	0.7629	14.456	1.01512	1.01E-01	8.14E+00	1.60E+00	5.80E-02	9.90E+00	9.81E-02	3.44E-05	1.60E-01	1.14E-02	2.69E-01	1.10E-01	8.14E+00	1.60E+00	5.80E-02	9.91E+00
1688	494411.06	3858901.99	1.33132	0.7632	14.779	1.02657	1.01E-01	8.14E+00	1.63E+00	5.87E-02	9.94E+00	9.86E-02	3.44E-05	1.63E-01	1.15E-02	2.73E-01	1.11E-01	8.14E+00	1.63E+00	5.87E-02	9.95E+00
1689	494461.06	3858901.99	1.34969	0.76725	10.749	0.75554	1.03E-01	8.19E+00	1.19E+00	4.32E-02	9.52E+00	9.99E-02	3.46E-05	1.19E-01	8.46E-03	2.27E-01	1.12E-01	8.19E+00	1.19E+00	4.32E-02	9.53E+00
1690	494511.06	3858901.99	1.3605	0.76568	10.859	0.75083	1.04E-01	8.17E+00	1.20E+00	4.29E-02	9.52E+00	1.01E-01	3.45E-05	1.20E-01	8.41E-03	2.29E-01	1.13E-01	8.17E+00	1.20E+00	4.29E-02	9.53E+00
1691	494561.06	3858901.99	1.32977	0.75803	10.636	0.70915	1.01E-01	8.09E+00	1.18E+00	4.06E-02	9.41E+00	9.84E-02	3.42E-05	1.18E-01	7.94E-03	2.24E-01	1.10E-01	8.09E+00	1.18E+00	4.06E-02	9.42E+00
1692	494611.06	3858901.99	1.27251	0.74486	10.036	0.66352	9.70E-02	7.95E+00	1.11E+00	3.79E-02	9.19E+00	9.42E-02	3.36E-05	1.11E-01	7.43E-03	2.13E-01	1.06E-01	7.95E+00	1.11E+00	3.79E-02	9.20E+00
1693	494661.06	3858901.99	1.25164	0.7378	9.7592	0.65628	9.54E-02	7.87E+00	1.08E+00	3.75E-02	9.09E+00	9.27E-02	3.33E-05	1.08E-01	7.35E-03	2.08E-01	1.04E-01	7.87E+00	1.08E+00	3.75E-02	9.09E+00
1694	494711.06	3858901.99	1.21446	0.72619	9.123	0.63913	9.26E-02	7.75E+00	1.01E+00	3.65E-02	8.89E+00	8.99E-02	3.27E-05	1.01E-01	7.15E-03	1.98E-01	1.01E-01	7.75E+00	1.01E+00	3.65E-02	8.90E+00
1695	494761.06	3858901.99	1.16945	0.71285	8.2976	0.61399	8.91E-02	7.61E+00	9.17E-01	3.51E-02	8.65E+00	8.66E-02	3.21E-05	9.17E-02	6.87E-03	1.85E-01	9.71E-02	7.61E+00	9.17E-01	3.51E-02	8.66E+00
1696	494811.06	3858901.99	1.14283	0.70518	7.8678	0.5991	8.71E-02	7.53E+00	8.70E-01	3.43E-02	8.52E+00	8.46E-02	3.18E-05	8.70E-02	6.71E-03	1.78E-01	9.49E-02	7.53E+00	8.70E-01	3.43E-02	8.52E+00
1697	494861.06	3858901.99	1.12237	0.69943	7.5752	0.58808	8.55E-02	7.46E+00	8.38E-01	3.36E-02	8.42E+00	8.31E-02	3.15E-05	8.38E-02	6.58E-03	1.73E-01	9.32E-02	7.46E+00	8.38E-01	3.36E-02	8.43E+00
1698	494911.06	3858901.99	1.07628	0.68718	6.7313	0.56986	8.20E-02	7.33E+00	7.44E-01	3.26E-02	8.19E+00	7.97E-02	3.10E-05	7.44E-02	6.38E-03	1.61E-01	8.94E-02	7.33E+00	7.44E-01	3.26E-02	8.20E+00
1699	494961.06	3858901.99	1.05107	0.68061	6.3503	0.57036	8.01E-02	7.26E+00	7.02E-01	3.26E-02	8.08E+00	7.78E-02	3.07E-05	7.02E-02	6.38E-03	1.54E-01	8.73E-02	7.26E+00	7.02E-01	3.26E-02	8.09E+00
1700	495011.06	3858901.99	1.02609	0.67429	5.9869	0.57082	7.82E-02	7.20E+00	6.62E-01	3.26E-02	7.97E+00	7.60E-02	3.04E-05	6.62E-02	6.39E-03	1.49E-01	8.52E-02	7.20E+00	6.62E-01	3.26E-02	7.98E+00
1701	495061.06	3858901.99	0.99003	0.66539	5.4279	0.57177	7.55E-02	7.10E+00	6.00E-01	3.27E-02	7.81E+00	7.33E-02	3.00E-05	6.00E-02	6.40E-03	1.40E-01	8.22E-02	7.10E+00	6.00E-01	3.27E-02	7.82E+00
1702	495111.06	3858901.99	0.93891	0.65303	4.6963	0.57343	7.16E-02	6.97E+00	5.19E-01	3.28E-02	7.59E+00	6.95E-02	2.94E-05	5.19E-02	6.42E-03	1.28E-01	7.79E-02	6.97E+00	5.19E-01	3.28E-02	7.60E+00
1703	495161.06	3858901.99	0.92254	0.6492	4.568	0.57335	7.03E-02	6.93E+00	5.05E-01	3.28E-02	7.54E+00	6.83E-02	2.93E-05	5.05E-02	6.42E-03	1.25E-01	7.66E-02	6.93E+00	5.05E-01	3.28E-02	7.54E+00
1704	495211.06	3858901.99	0.92971	0.65123	4.7829	0.57207	7.09E-02	6.95E+00	5.29E-01	3.27E-02	7.58E+00	6.88E-02	2.94E-05	5.29E-02	6.40E-03	1.28E-01	7.72E-02	6.95E+00	5.29E-01	3.27E-02	7.59E+00

1705	495261.06	3858901.99	0.92399	0.65024	4.8159	0.57139		7.04E-02	6.94E+00	5.32E-01	3.27E-02	7.57E+00		6.84E-02	2.93E-05	5.32E-02	6.40E-03	1.28E-01		7.67E-02	6.94E+00	5.32E-01	3.27E-02	7.58E+00
1706	495311.06	3858901.99	0.91386	0.64828	4.7836	0.57089		6.97E-02	6.92E+00	5.29E-01	3.26E-02	7.55E+00		6.77E-02	2.92E-05	5.29E-02	6.39E-03	1.27E-01		7.59E-02	6.92E+00	5.29E-01	3.26E-02	7.56E+00
1707	495361.06	3858901.99	0.90477	0.64667	4.7714	0.57031		6.90E-02	6.90E+00	5.28E-01	3.26E-02	7.53E+00		6.70E-02	2.92E-05	5.28E-02	6.38E-03	1.26E-01		7.51E-02	6.90E+00	5.28E-01	3.26E-02	7.54E+00
1708	495411.06	3858901.99	0.92635	0.64676	4.8649	0.5694		7.06E-02	6.90E+00	5.38E-01	3.26E-02	7.54E+00		6.86E-02	2.92E-05	5.38E-02	6.37E-03	1.29E-01		7.69E-02	6.90E+00	5.38E-01	3.26E-02	7.55E+00
1709	495461.06	3858901.99	0.93477	0.64417	4.7827	0.56898		7.12E-02	6.87E+00	5.29E-01	3.25E-02	7.51E+00		6.92E-02	2.90E-05	5.29E-02	6.37E-03	1.28E-01		7.76E-02	6.87E+00	5.29E-01	3.25E-02	7.51E+00
1710	495511.06	3858901.99	0.93346	0.64001	4.6085	0.56883		7.11E-02	6.83E+00	5.10E-01	3.25E-02	7.44E+00		6.91E-02	2.89E-05	5.10E-02	6.37E-03	1.26E-01		7.75E-02	6.83E+00	5.10E-01	3.25E-02	7.45E+00
1711	495561.06	3858901.99	0.93534	0.63669	4.4911	0.5685		7.13E-02	6.79E+00	4.97E-01	3.25E-02	7.39E+00		6.92E-02	2.87E-05	4.97E-02	6.36E-03	1.25E-01		7.77E-02	6.79E+00	4.97E-01	3.25E-02	7.40E+00
1712	495611.06	3858901.99	0.92849	0.63208	4.3161	0.5684		7.08E-02	6.75E+00	4.77E-01	3.25E-02	7.33E+00		6.87E-02	2.85E-05	4.77E-02	6.36E-03	1.23E-01		7.71E-02	6.75E+00	4.77E-01	3.25E-02	7.33E+00
1713	495661.06	3858901.99	0.94465	0.63155	4.3457	0.56753		7.20E-02	6.74E+00	4.80E-01	3.25E-02	7.32E+00		6.99E-02	2.85E-05	4.80E-02	6.35E-03	1.24E-01		7.84E-02	6.74E+00	4.80E-01	3.25E-02	7.33E+00
1714	494311.06	3858951.99	1.3923	0.78584	13.726	1.2046		1.06E-01	8.39E+00	1.52E+00	6.89E-02	1.01E+01		1.03E-01	3.54E-05	1.52E-01	1.35E-02	2.68E-01		1.16E-01	8.39E+00	1.52E+00	6.89E-02	1.01E+01
1715	494361.06	3858951.99	1.43437	0.79111	14.578	1.28304		1.09E-01	8.44E+00	1.61E+00	7.34E-02	1.02E+01		1.06E-01	3.57E-05	1.61E-01	1.44E-02	2.82E-01		1.19E-01	8.44E+00	1.61E+00	7.34E-02	1.02E+01
1716	494411.06	3858951.99	1.41948	0.78506	14.249	1.21613		1.08E-01	8.38E+00	1.58E+00	6.95E-02	1.01E+01		1.05E-01	3.54E-05	1.58E-01	1.36E-02	2.76E-01		1.18E-01	8.38E+00	1.58E+00	6.95E-02	1.01E+01
1717	494461.06	3858951.99	1.43591	0.78959	10.407	0.89816		1.09E-01	8.43E+00	1.15E+00	5.14E-02	9.74E+00		1.06E-01	3.56E-05	1.15E-01	1.01E-02	2.31E-01		1.19E-01	8.43E+00	1.15E+00	5.14E-02	9.75E+00
1718	494511.06	3858951.99	1.42591	0.78501	10.439	0.87683		1.09E-01	8.38E+00	1.15E+00	5.01E-02	9.69E+00		1.06E-01	3.54E-05	1.15E-01	9.82E-03	2.31E-01		1.18E-01	8.38E+00	1.15E+00	5.01E-02	9.70E+00
1719	494561.06	3858951.99	1.39681	0.77682	10.329	0.8345		1.06E-01	8.29E+00	1.14E+00	4.77E-02	9.59E+00		1.03E-01	3.50E-05	1.14E-01	9.34E-03	2.27E-01		1.16E-01	8.29E+00	1.14E+00	4.77E-02	9.60E+00
1720	494611.06	3858951.99	1.34656	0.7648	10.018	0.76877		1.03E-01	8.16E+00	1.11E+00	4.40E-02	9.42E+00		9.97E-02	3.45E-05	1.11E-01	8.61E-03	2.19E-01		1.12E-01	8.16E+00	1.11E+00	4.40E-02	9.43E+00
1721	494661.06	3858951.99	1.29972	0.75386	9.6883	0.70914		9.91E-02	8.04E+00	1.07E+00	4.06E-02	9.26E+00		9.62E-02	3.40E-05	1.07E-01	7.94E-03	2.11E-01		1.08E-01	8.05E+00	1.07E+00	4.06E-02	9.26E+00
1722	494711.06	3858951.99	1.2551	0.73867	9.0491	0.67336		9.57E-02	7.88E+00	1.00E+00	3.85E-02	9.02E+00		9.29E-02	3.33E-05	1.00E-01	7.54E-03	2.01E-01		1.04E-01	7.88E+00	1.00E+00	3.85E-02	9.03E+00
1723	494761.06	3858951.99	1.22371	0.72788	8.5791	0.65746		9.33E-02	7.77E+00	9.49E-01	3.76E-02	8.85E+00		9.06E-02	3.28E-05	9.49E-02	7.36E-03	1.93E-01		1.02E-01	7.77E+00	9.49E-01	3.76E-02	8.86E+00
1724	494811.06	3858951.99	1.20213	0.72043	8.2924	0.64592		9.16E-02	7.69E+00	9.17E-01	3.69E-02	8.73E+00		8.90E-02	3.25E-05	9.17E-02	7.23E-03	1.88E-01		9.98E-02	7.69E+00	9.17E-01	3.69E-02	8.74E+00
1725	494861.06	3858951.99	1.17994	0.71308	7.9902	0.63334		8.99E-02	7.61E+00	8.83E-01	3.62E-02	8.62E+00		8.74E-02	3.21E-05	8.83E-02	7.09E-03	1.83E-01		9.80E-02	7.61E+00	8.83E-01	3.62E-02	8.63E+00
1726	494911.06	3858951.99	1.14596	0.70262	7.4396	0.6116		8.73E-02	7.50E+00	8.23E-01	3.50E-02	8.44E+00		8.48E-02	3.17E-05	8.23E-02	6.85E-03	1.74E-01		9.51E-02	7.50E+00	8.23E-01	3.50E-02	8.45E+00
1727	494961.06	3858951.99	1.12873	0.69729	7.2334	0.60126		8.60E-02	7.44E+00	8.00E-01	3.44E-02	8.36E+00		8.36E-02	3.14E-05	8.00E-02	6.73E-03	1.70E-01		9.37E-02	7.44E+00	8.00E-01	3.44E-02	8.37E+00
1728	495011.06	3858951.99	1.07358	0.68181	6.2586	0.57469		8.18E-02	7.28E+00	6.92E-01	3.29E-02	8.08E+00		7.95E-02	3.07E-05	6.92E-02	6.43E-03	1.55E-01		8.91E-02	7.28E+00	6.92E-01	3.29E-02	8.09E+00
1729	495061.06	3858951.99	1.02146	0.66777	5.3942	0.57634		7.79E-02	7.13E+00	5.96E-01	3.30E-02	7.83E+00		7.56E-02	3.01E-05	5.96E-02	6.45E-03	1.42E-01		8.48E-02	7.13E+00	5.96E-01	3.30E-02	7.84E+00
1730	495111.06	3858951.99	0.98182	0.65731	4.8304	0.57736		7.48E-02	7.01E+00	5.34E-01	3.30E-02	7.66E+00		7.27E-02	2.96E-05	5.34E-02	6.46E-03	1.33E-01		8.15E-02	7.01E+00	5.34E-01	3.30E-02	7.66E+00
1731	495161.06	3858951.99	0.998	0.66127	5.2293	0.57562		7.61E-02	7.06E+00	5.78E-01	3.29E-02	7.74E+00		7.39E-02	2.98E-05	5.78E-02	6.44E-03	1.38E-01		8.29E-02	7.06E+00	5.78E-01	3.29E-02	7.75E+00
1732	495211.06	3858951.99	0.99447	0.66034	5.3027	0.57481		7.58E-02	7.05E+00	5.86E-01	3.29E-02	7.74E+00		7.36E-02	2.98E-05	5.86E-02	6.43E-03	1.39E-01		8.26E-02	7.05E+00	5.86E-01	3.29E-02	7.75E+00
1733	495261.06	3858951.99	0.98998	0.65931	5.3656	0.57401		7.55E-02	7.04E+00	5.93E-01	3.28E-02	7.74E+00		7.33E-02	2.97E-05	5.93E-02	6.43E-03	1.39E-01		8.22E-02	7.04E+00	5.93E-01	3.28E-02	7.74E+00
1734	495311.06	3858951.99	0.96896	0.65407	5.1285	0.57396		7.39E-02	6.98E+00	5.67E-01	3.28E-02	7.65E+00		7.17E-02	2.95E-05	5.67E-02	6.43E-03	1.35E-01		8.04E-02	6.98E+00	5.67E-01	3.28E-02	7.66E+00
1735	495361.06	3858951.99	0.9659	0.65366	5.2235	0.57303		7.36E-02	6.98E+00	5.78E-01	3.28E-02	7.66E+00		7.15E-02	2.95E-05	5.78E-02	6.41E-03	1.36E-01		8.02E-02	6.98E+00	5.78E-01	3.28E-02	7.67E+00
1736	495411.06	3858951.99	0.96537	0.65408	5.3775	0.57195		7.36E-02	6.98E+00	5.95E-01	3.27E-02	7.68E+00		7.15E-02	2.95E-05	5.95E-02	6.40E-03	1.37E-01		8.01E-02	6.98E+00	5.95E-01	3.27E-02	7.69E+00
1737	495461.06	3858951.99	0.9544	0.65181	5.3357	0.57133		7.27E-02	6.96E+00	5.90E-01	3.27E-02	7.65E+00		7.07E-02	2.94E-05	5.90E-02	6.40E-03	1.36E-01		7.92E-02	6.96E+00	5.90E-01	3.27E-02	7.66E+00
1738	495511.06	3858951.99	0.94905	0.65115	5.4068	0.57042		7.23E-02	6.95E+00	5.98E-01	3.26E-02	7.65E+00		7.03E-02	2.94E-05	5.98E-02	6.39E-03	1.36E-01		7.88E-02	6.95E+00	5.98E-01	3.26E-02	7.66E+00
1739	495561.06	3858951.99	0.92583	0.64362	4.994	0.57066		7.06E-02	6.87E+00	5.52E-01	3.26E-02	7.52E+00		6.85E-02	2.90E-05	5.52E-02	6.39E-03	1.30E-01		7.69E-02	6.87E+00	5.52E-01	3.26E-02	7.53E+00
1740	495611.06	3858951.99	0.92753	0.63919	4.8071	0.57035		7.07E-02	6.82E+00	5.31E-01	3.26E-02	7.46E+00		6.87E-02	2.88E-05	5.31E-02	6.38E-03	1.28E-01		7.70E-02	6.82E+00	5.31E-01	3.26E-02	7.46E+00
1741	495661.06	3858951.99	0.94911	0.63876	4.8761	0.56936		7.23E-02	6.82E+00	5.39E-01	3.26E-02	7.46E+00		7.03E-02	2.88E-05	5.39E-02	6.37E-03	1.31E-01		7.88E-02	6.82E+00	5.39E-01	3.26E-02	7.47E+00
1742	494311.06	3859001.99	1.50088	0.81606	13.145	1.48645		1.14E-01	8.71E+00	1.45E+00	8.50E-02	1.04E+01		1.11E-01	3.68E-05	1.45E-01	1.66E-02	2.73E-01		1.25E-01	8.71E+00	1.45E+00	8.50E-02	1.04E+01
1743	494361.06	3859001.99	1.51176	0.8144	12.477	1.39072		1.15E-01	8.69E+00	1.38E+00	7.95E-02	1.03E+01		1.12E-01	3.67E-05	1.38E-01	1.56E-02	2.65E-01		1.26E-01	8.69E+00	1.38E+00	7.95E-02	1.03E+01
1744	494411.06	3859001.99	1.51634	0.81566	9.5091	1.05159		1.16E-01	8.70E+00	1.05E+00	6.01E-02	9.93E+00		1.12E-01	3.68E-05	1.05E-01	1.18E-02	2.29E-01		1.26E-01	8.70E+00	1.05E+00	6.01E-02	9.94E+00
1745	494461.06	3859001.99	1.51321	0.81117	9.6111	1.03401		1.15E-01	8.66E+00	1.06E+00	5.91E-02	9.89E+00		1.12E-01	3.66E-05	1.06E-01	1.16E-02	2.30E-01		1.26E-01	8.66E+00	1.06E+00	5.91E-02	9.90E+00
1746	494511.06	3859001.99	1.50776	0.8065	9.7031	1.01489		1.15E-01	8.61E+00	1.07E+00	5.80E-02	9.85E+00		1.12E-01	3.64E-05	1.07E-01	1.14E-02	2.30E-01		1.25E-01	8.61E+00	1.07E+00	5.80E-02	9.86E+00
1747	494561.06	3859001.99	1.46495	0.7934	9.6135	0.95263		1.12E-01	8.47E+00	1.06E+00	5.45E-02	9.70E+00		1.08E-01	3.58E-05	1.06E-01	1.07E-02	2.25E-01		1.22E-01	8.47E+00	1.06E+00	5.45E-02	9.71E+00
1748	494611.06	3859001.99	1.42487	0.78162	9.4906	0.89424		1.09E-01	8.34E+00	1.05E+00	5.11E-02	9.55E+00		1.05E-01	3.52E-05	1.05E-01	1.00E-02	2.20E-01		1.18E-01	8.34E+00	1.05E+00	5.11E-02	9.56E+00
1749	494661.06	3859001.99	1.37057	0.76745	9.2235	0.82002		1.04E-01	8.19E+00	1.02E+00	4.69E-02	9.36E+00		1.01E-01	3.46E-05	1.02E-01	9.18E-03	2.13E-01		1.14E-01	8.19E+00	1.02E+00	4.69E-02	9.37E+00
1750	494711.06	3859001.99	1.30262	0.75124	8.7757	0.73184		9.93E-02	8.02E+00	9.70E-01	4.18E-02	9.13E+00		9.64E-02	3.39E-05	9.70E-02	8.19E-03	2.02E-01		1.08E-01	8.02E+00	9.70E-01	4.18E-02	9.14E+00
1751	494761.06	3859001.99	1.27162	0.74161	8.5354	0.68858		9.69E-02	7.91E+00	9.44E-01	3.94E-02	8.99E+00		9.41E-02	3.34E-05	9.44E-02	7.71E-03	1.96E-01		1.06E-01	7.91E+00	9.44E-01	3.94E-02	9.00E+00
1752	494811.06	3859001.99	1.25868	0.73583	8.4523	0.6816		9.59E-02	7.85E+00	9.34E-01	3.90E-02	8.92E+00		9.32E-02	3.32E-05	9.34E-02	7.63E-03	1.94E-01		1.04E-01	7.85E+00	9.34E-01	3.90E-02	8.93E+00
1753	494861.06	3859001.99	1.23164	0.7256	8.1127	0.66696		9.39E-02	7.74E+00	8.97E-01	3.81E-02	8.77E+00		9.12E-02	3.27E-05	8.97E-02	7.47E-03	1.88E-01		1.02E-01	7.74E+00	8.97E-01	3.81E-02	8.78E+00
1754	494911.06	3859001.99	1.20194	0.7149	7.7056	0.64926		9.16E-02	7.63E+00	8.52E-01	3.71E-02	8.61E+00		8.90E-02	3.22E-05	8.52E-02	7.27E-03	1.81E-01		9.98E-02	7.63E+00	8.52E-01	3.71E-02	8.62E+00
1755	494961.06	3859001.99	1.17093	0.7042	7.2631	0.62911		8.92E-02	7.52E+00	8.03E-01	3.60E-02	8.44E+00		8.67E-02	3.17E-05	8.03E-02	7.04E-03	1.74E-01		9.72E-02	7.52E+00	8.03E-01	3.60E-02	8.45E+00
1756	495011.06	3859001.99	1.08261	0.67766	5.7437	0.57932		8.25E-02	7.23E+00	6.35E-01	3.31E-02	7.98E+00		8.01E-02	3.05E-05	6.35E-02	6.49E-03	1.50E-01		8.99E-02	7.23E+00	6.35E-01	3.31E-02	7.99E+00
1757	495061.06	3859001.99	1.06641	0.67227	5.5692	0.57919		8.13E-02	7.17E+00	6.16E-01	3.31E-02	7.90E+00		7.89E-02	3.03E-05	6.16E-02	6.48E-03	1.47E-01		8.85E-02	7.17E+00	6.16E-01	3.31E-02	7.91E+00
1758	495111.06	3859001.99	1.02951	0.66152	5.0412	0.57999		7.85E-02	7.06E+00	5.57E-01	3.32E-02	7.73E+00		7.62E-02	2.98E-05	5.57E-02	6.49E-03	1.38E-01		8.55E-02	7.06E+00	5.57E-01	3.32E-02	7.74E+00
1759	495161.06	3859001.99	1.05875	0.66888	5.6864	0.57761		8.07E-02	7.14E+00	6.29E-01	3.30E-02	7.88E+00		7.84E-02	3.02E-05	6.29E-02	6.47E-03	1.48E-01		8.79E-02	7.14E+00	6.29E-01	3.30E-02	7.89E+00
1760	495211.06	3859001.99	1.0505	0.66622	5.6738	0.57697		8.01E-02	7.11E+00	6.27E-01	3.30E-02	7.85E+00		7.78E-02	3.00E-05	6.27E-02	6.46E-03	1.47E-01		8.72E-02	7.11E+00	6.27E-01	3.30E-02	7.86E+00
1761	495261.06	3859001.99	1.04928	0.66563	5.7964	0.57598		8.00E-02	7.10E+00	6.41E-01	3.29E-02	7.86E+00		7.77E-02	3.00E-05	6.41E-02	6.45E-03	1.48E-01		8.71E-02	7.10E+00	6.41E-01	3.29E-02	7.86E+00
1762	495311.06	3859001.99	1.03819	0.66249	5.7415	0.57539		7.91E-02	7.07E+00	6.35E-01	3.29E-02	7.82E+00		7.69E-02	2.99E-05	6.35E-02	6.44E-03	1.47E-01		8.62E-02	7.07E+00	6.35E-01	3.29E-02	7.82E+00
1763	495361.06	3859001.99	1.0351	0.66172	5.8435	0.57442		7.89E-02	7.06E+00	6.46E-01	3.28E-02	7.82E+00		7.66E-02	2.98E-05	6.46E-02	6.43E-03	1.48E-01		8.59E-02	7.06E+00	6.46E-01	3.28E-02	7.83E+00
1764	495411.06	3859001.99	1.02738	0.65983	5.8641	0.57361		7.83E-02	7.04E+00	6.48E-01	3.28E-02	7.80E+00		7.61E-02	2.97E-05	6.48E-02	6.42E-03	1.47E-01		8.53E-02	7.04E+00	6.48E-01	3.28E-02	7.81E+00
1765	495461.06	3859001.99	1.02131	0.65853	5.9213	0.57271		7.78E-02	7.03E+00	6.55E-01	3.27E-02	7.79E+00		7.56E-02	2.97E-05	6.55E-02	6.41E-03	1.48E-01		8.48E-02	7.03E+00	6.55E-01	3.27E-02	7.80E+00

1766	495511.06	3859001.99	0.99731	0.65215	5.6192	0.57259	7.60E-02	6.96E+00	6.21E-01	3.27E-02	7.69E+00	7.38E-02	2.94E-05	6.21E-02	6.41E-03	1.42E-01	8.28E-02	6.96E+00	6.21E-01	3.27E-02	7.70E+00
1767	495561.06	3859001.99	0.98226	0.64849	5.5018	0.57203	7.49E-02	6.92E+00	6.08E-01	3.27E-02	7.64E+00	7.27E-02	2.92E-05	6.08E-02	6.40E-03	1.40E-01	8.15E-02	6.92E+00	6.08E-01	3.27E-02	7.64E+00
1768	495611.06	3859001.99	0.96539	0.64442	5.3521	0.57152	7.36E-02	6.88E+00	5.92E-01	3.27E-02	7.58E+00	7.15E-02	2.90E-05	5.92E-02	6.40E-03	1.37E-01	8.01E-02	6.88E+00	5.92E-01	3.27E-02	7.58E+00
1769	495661.06	3859001.99	0.97016	0.64676	5.6428	0.57	7.39E-02	6.90E+00	6.24E-01	3.26E-02	7.63E+00	7.18E-02	2.92E-05	6.24E-02	6.38E-03	1.41E-01	8.05E-02	6.90E+00	6.24E-01	3.26E-02	7.64E+00
1770	494311.06	3859051.99	1.58707	0.84313	10.852	1.59482	1.21E-01	9.00E+00	1.20E+00	9.12E-02	1.04E+01	1.17E-01	3.80E-05	1.20E-01	1.79E-02	2.55E-01	1.32E-01	9.00E+00	1.20E+00	9.12E-02	1.04E+01
1771	494361.06	3859051.99	1.58043	0.84656	8.82	1.20106	1.20E-01	9.03E+00	9.75E-01	6.87E-02	1.02E+01	1.17E-01	3.82E-05	9.75E-02	1.34E-02	2.28E-01	1.31E-01	9.03E+00	9.75E-01	6.87E-02	1.02E+01
1772	494411.06	3859051.99	1.57406	0.83922	8.4603	1.17732	1.20E-01	8.96E+00	9.35E-01	6.73E-02	1.01E+01	1.17E-01	3.78E-05	9.35E-02	1.32E-02	2.23E-01	1.31E-01	8.96E+00	9.35E-01	6.73E-02	1.01E+01
1773	494461.06	3859051.99	1.56095	0.83027	8.4902	1.14579	1.19E-01	8.86E+00	9.39E-01	6.55E-02	9.98E+00	1.16E-01	3.74E-05	9.39E-02	1.28E-02	2.22E-01	1.30E-01	8.86E+00	9.39E-01	6.55E-02	9.99E+00
1774	494511.06	3859051.99	1.53611	0.8186	8.5602	1.10071	1.17E-01	8.74E+00	9.46E-01	6.29E-02	9.86E+00	1.14E-01	3.69E-05	9.46E-02	1.23E-02	2.21E-01	1.28E-01	8.74E+00	9.46E-01	6.29E-02	9.87E+00
1775	494561.06	3859051.99	1.51596	0.80885	8.6229	1.06201	1.16E-01	8.63E+00	9.53E-01	6.07E-02	9.76E+00	1.12E-01	3.65E-05	9.53E-02	1.19E-02	2.19E-01	1.26E-01	8.63E+00	9.53E-01	6.07E-02	9.77E+00
1776	494611.06	3859051.99	1.47927	0.79548	8.6078	1.00396	1.13E-01	8.49E+00	9.52E-01	5.74E-02	9.61E+00	1.10E-01	3.59E-05	9.52E-02	1.12E-02	2.16E-01	1.23E-01	8.49E+00	9.52E-01	5.74E-02	9.62E+00
1777	494661.06	3859051.99	1.43559	0.78131	8.5172	0.93798	1.09E-01	8.34E+00	9.42E-01	5.36E-02	9.44E+00	1.06E-01	3.52E-05	9.42E-02	1.05E-02	2.11E-01	1.19E-01	8.34E+00	9.42E-01	5.36E-02	9.45E+00
1778	494711.06	3859051.99	1.39413	0.76846	8.3898	0.87552	1.06E-01	8.20E+00	9.28E-01	5.01E-02	9.28E+00	1.03E-01	3.46E-05	9.28E-02	9.80E-03	2.06E-01	1.16E-01	8.20E+00	9.28E-01	5.01E-02	9.29E+00
1779	494761.06	3859051.99	1.34837	0.75543	8.1935	0.80966	1.03E-01	8.06E+00	9.06E-01	4.63E-02	9.12E+00	9.98E-02	3.41E-05	9.06E-02	9.06E-03	2.00E-01	1.12E-01	8.06E+00	9.06E-01	4.63E-02	9.13E+00
1780	494811.06	3859051.99	1.31857	0.74633	8.0776	0.76498	1.01E-01	7.96E+00	8.93E-01	4.37E-02	9.00E+00	9.76E-02	3.36E-05	8.93E-02	8.56E-03	1.96E-01	1.09E-01	7.96E+00	8.93E-01	4.37E-02	9.01E+00
1781	494861.06	3859051.99	1.28632	0.73704	7.9254	0.71927	9.80E-02	7.87E+00	8.76E-01	4.11E-02	8.88E+00	9.52E-02	3.32E-05	8.76E-02	8.05E-03	1.91E-01	1.07E-01	7.87E+00	8.76E-01	4.11E-02	8.89E+00
1782	494911.06	3859051.99	1.24224	0.72299	7.5268	0.6684	9.47E-02	7.72E+00	8.32E-01	3.82E-02	8.68E+00	9.20E-02	3.26E-05	8.32E-02	7.48E-03	1.83E-01	1.03E-01	7.72E+00	8.32E-01	3.82E-02	8.69E+00
1783	494961.06	3859051.99	1.18767	0.70294	6.75	0.6347	9.05E-02	7.50E+00	7.46E-01	3.63E-02	8.37E+00	8.79E-02	3.17E-05	7.46E-02	7.11E-03	1.70E-01	9.86E-02	7.50E+00	7.46E-01	3.63E-02	8.38E+00
1784	495011.06	3859051.99	1.14723	0.68854	6.1779	0.60517	8.74E-02	7.35E+00	6.83E-01	3.46E-02	8.15E+00	8.49E-02	3.10E-05	6.83E-02	6.77E-03	1.60E-01	9.52E-02	7.35E+00	6.83E-01	3.46E-02	8.16E+00
1785	495061.06	3859051.99	1.12009	0.67906	5.8347	0.584	8.54E-02	7.25E+00	6.45E-01	3.34E-02	8.01E+00	8.29E-02	3.06E-05	6.45E-02	6.54E-03	1.54E-01	9.30E-02	7.25E+00	6.45E-01	3.34E-02	8.02E+00
1786	495111.06	3859051.99	1.10674	0.67386	5.7206	0.58049	8.44E-02	7.19E+00	6.32E-01	3.32E-02	7.94E+00	8.19E-02	3.04E-05	6.32E-02	6.50E-03	1.52E-01	9.19E-02	7.19E+00	6.32E-01	3.32E-02	7.95E+00
1787	495161.06	3859051.99	1.12213	0.67739	6.1141	0.58451	8.55E-02	7.23E+00	6.76E-01	3.34E-02	8.02E+00	8.31E-02	3.05E-05	6.76E-02	6.54E-03	1.57E-01	9.32E-02	7.23E+00	6.76E-01	3.34E-02	8.03E+00
1788	495211.06	3859051.99	1.1042	0.67125	5.9331	0.57965	8.42E-02	7.16E+00	6.56E-01	3.31E-02	7.94E+00	8.17E-02	3.03E-05	6.56E-02	6.49E-03	1.54E-01	9.17E-02	7.16E+00	6.56E-01	3.31E-02	7.94E+00
1789	495261.06	3859051.99	1.11041	0.6725	6.1885	0.57925	8.46E-02	7.18E+00	6.84E-01	3.31E-02	7.98E+00	8.22E-02	3.03E-05	6.84E-02	6.48E-03	1.57E-01	9.22E-02	7.18E+00	6.84E-01	3.31E-02	7.99E+00
1790	495311.06	3859051.99	1.09814	0.66835	6.1138	0.57879	8.37E-02	7.13E+00	6.76E-01	3.31E-02	7.93E+00	8.13E-02	3.01E-05	6.76E-02	6.48E-03	1.55E-01	9.12E-02	7.13E+00	6.76E-01	3.31E-02	7.93E+00
1791	495361.06	3859051.99	1.09272	0.66648	6.1713	0.57835	8.33E-02	7.11E+00	6.82E-01	3.31E-02	7.91E+00	8.09E-02	3.00E-05	6.82E-02	6.47E-03	1.56E-01	9.07E-02	7.11E+00	6.82E-01	3.31E-02	7.92E+00
1792	495411.06	3859051.99	1.09181	0.6662	6.3226	0.57793	8.32E-02	7.11E+00	6.99E-01	3.30E-02	7.92E+00	8.08E-02	3.00E-05	6.99E-02	6.47E-03	1.57E-01	9.06E-02	7.11E+00	6.99E-01	3.30E-02	7.93E+00
1793	495461.06	3859051.99	1.08962	0.66574	6.4596	0.57749	8.31E-02	7.10E+00	7.14E-01	3.30E-02	7.93E+00	8.07E-02	3.00E-05	7.14E-02	6.46E-03	1.59E-01	9.05E-02	7.10E+00	7.14E-01	3.30E-02	7.94E+00
1794	495511.06	3859051.99	1.06521	0.6585	6.1626	0.57698	8.12E-02	7.03E+00	6.81E-01	3.30E-02	7.82E+00	7.89E-02	2.97E-05	6.81E-02	6.46E-03	1.53E-01	8.84E-02	7.03E+00	6.81E-01	3.30E-02	7.83E+00
1795	495561.06	3859051.99	1.04628	0.65305	5.9707	0.57649	7.97E-02	6.97E+00	6.60E-01	3.30E-02	7.74E+00	7.75E-02	2.94E-05	6.60E-02	6.45E-03	1.50E-01	8.69E-02	6.97E+00	6.60E-01	3.30E-02	7.75E+00
1796	495611.06	3859051.99	1.02911	0.64836	5.8186	0.57599	7.84E-02	6.92E+00	6.43E-01	3.29E-02	7.67E+00	7.62E-02	2.92E-05	6.43E-02	6.45E-03	1.47E-01	8.54E-02	6.92E+00	6.43E-01	3.29E-02	7.68E+00
1797	495661.06	3859051.99	1.03293	0.65034	6.0903	0.57557	7.87E-02	6.94E+00	6.73E-01	3.29E-02	7.73E+00	7.65E-02	2.93E-05	6.73E-02	6.44E-03	1.50E-01	8.58E-02	6.94E+00	6.73E-01	3.29E-02	7.73E+00
1798	494311.06	3859101.99	1.69724	0.87572	10.751	1.29954	1.29E-01	9.35E+00	1.19E+00	7.43E-02	1.07E+01	1.26E-01	3.95E-05	1.19E-01	1.45E-02	2.59E-01	1.41E-01	9.35E+00	1.19E+00	7.43E-02	1.07E+01
1799	494361.06	3859101.99	1.67304	0.86878	10.412	1.28602	1.28E-01	9.27E+00	1.15E+00	7.35E-02	1.06E+01	1.24E-01	3.92E-05	1.15E-01	1.44E-02	2.53E-01	1.39E-01	9.27E+00	1.15E+00	7.35E-02	1.06E+01
1800	494411.06	3859101.99	1.65392	0.86355	10.072	1.2757	1.26E-01	9.22E+00	1.11E+00	7.29E-02	1.05E+01	1.22E-01	3.89E-05	1.11E-01	1.43E-02	2.48E-01	1.37E-01	9.22E+00	1.11E+00	7.29E-02	1.05E+01
1801	494461.06	3859101.99	1.62197	0.85308	9.7305	1.2496	1.24E-01	9.10E+00	1.08E+00	7.15E-02	1.04E+01	1.20E-01	3.85E-05	1.08E-01	1.40E-02	2.42E-01	1.35E-01	9.10E+00	1.08E+00	7.15E-02	1.04E+01
1802	494511.06	3859101.99	1.57612	0.83745	9.3502	1.20367	1.20E-01	8.94E+00	1.03E+00	6.88E-02	1.02E+01	1.17E-01	3.78E-05	1.03E-01	1.35E-02	2.34E-01	1.31E-01	8.94E+00	1.03E+00	6.88E-02	1.02E+01
1803	494561.06	3859101.99	1.55392	0.82562	8.9616	1.16581	1.18E-01	8.81E+00	9.91E-01	6.67E-02	9.99E+00	1.15E-01	3.72E-05	9.91E-02	1.31E-02	2.27E-01	1.29E-01	8.81E+00	9.91E-01	6.67E-02	1.00E+01
1804	494611.06	3859101.99	1.51061	0.8072	8.4669	1.09732	1.15E-01	8.61E+00	9.36E-01	6.27E-02	9.73E+00	1.12E-01	3.64E-05	9.36E-02	1.23E-02	2.18E-01	1.25E-01	8.61E+00	9.36E-01	6.27E-02	9.74E+00
1805	494661.06	3859101.99	1.48901	0.79604	8.0403	1.05475	1.13E-01	8.50E+00	8.89E-01	6.03E-02	9.56E+00	1.10E-01	3.59E-05	8.89E-02	1.18E-02	2.11E-01	1.24E-01	8.50E+00	8.89E-01	6.03E-02	9.57E+00
1806	494711.06	3859101.99	1.43023	0.77606	7.4923	0.96657	1.09E-01	8.28E+00	8.28E-01	5.53E-02	9.27E+00	1.06E-01	3.50E-05	8.28E-02	1.08E-02	2.00E-01	1.19E-01	8.28E+00	8.28E-01	5.53E-02	9.28E+00
1807	494761.06	3859101.99	1.42698	0.77111	7.5858	0.94898	1.09E-01	8.23E+00	8.39E-01	5.43E-02	9.23E+00	1.06E-01	3.48E-05	8.39E-02	1.06E-02	2.00E-01	1.18E-01	8.23E+00	8.39E-01	5.43E-02	9.24E+00
1808	494811.06	3859101.99	1.39069	0.75852	7.5124	0.89118	1.06E-01	8.09E+00	8.31E-01	5.10E-02	9.08E+00	1.03E-01	3.42E-05	8.31E-02	9.98E-03	1.96E-01	1.15E-01	8.09E+00	8.31E-01	5.10E-02	9.09E+00
1809	494861.06	3859101.99	1.35892	0.7476	7.4331	0.84009	1.04E-01	7.98E+00	8.22E-01	4.80E-02	8.95E+00	1.01E-01	3.37E-05	8.22E-02	9.40E-03	1.92E-01	1.13E-01	7.98E+00	8.22E-01	4.80E-02	8.96E+00
1810	494911.06	3859101.99	1.30261	0.73186	7.1643	0.76072	9.93E-02	7.81E+00	7.92E-01	4.35E-02	8.75E+00	9.64E-02	3.30E-05	7.92E-02	8.52E-03	1.84E-01	1.08E-01	7.81E+00	7.92E-01	4.35E-02	8.75E+00
1811	494961.06	3859101.99	1.22444	0.7088	6.525	0.64748	9.33E-02	7.56E+00	7.21E-01	3.70E-02	8.42E+00	9.06E-02	3.20E-05	7.21E-02	7.25E-03	1.70E-01	1.02E-01	7.56E+00	7.21E-01	3.70E-02	8.42E+00
1812	495011.06	3859101.99	1.16393	0.68591	5.7364	0.60731	8.87E-02	7.32E+00	6.34E-01	3.47E-02	8.08E+00	8.62E-02	3.09E-05	6.34E-02	6.80E-03	1.56E-01	9.66E-02	7.32E+00	6.34E-01	3.47E-02	8.09E+00
1813	495061.06	3859101.99	1.16924	0.68561	5.9159	0.60762	8.91E-02	7.32E+00	6.54E-01	3.47E-02	8.09E+00	8.66E-02	3.09E-05	6.54E-02	6.80E-03	1.59E-01	9.71E-02	7.32E+00	6.54E-01	3.47E-02	8.10E+00
1814	495111.06	3859101.99	1.15522	0.6792	5.8063	0.59538	8.81E-02	7.25E+00	6.42E-01	3.40E-02	8.01E+00	8.55E-02	3.06E-05	6.42E-02	6.66E-03	1.56E-01	9.59E-02	7.25E+00	6.42E-01	3.40E-02	8.02E+00
1815	495161.06	3859101.99	1.17085	0.68293	6.172	0.60354	8.92E-02	7.29E+00	6.82E-01	3.45E-02	8.09E+00	8.67E-02	3.08E-05	6.82E-02	6.76E-03	1.62E-01	9.72E-02	7.29E+00	6.82E-01	3.45E-02	8.10E+00
1816	495211.06	3859101.99	1.15744	0.67709	6.0792	0.5942	8.82E-02	7.23E+00	6.72E-01	3.40E-02	8.02E+00	8.57E-02	3.05E-05	6.72E-02	6.65E-03	1.60E-01	9.61E-02	7.23E+00	6.72E-01	3.40E-02	8.03E+00
1817	495261.06	3859101.99	1.15988	0.67693	6.2551	0.59371	8.84E-02	7.22E+00	6.92E-01	3.40E-02	8.04E+00	8.59E-02	3.05E-05	6.92E-02	6.65E-03	1.62E-01	9.63E-02	7.22E+00	6.92E-01	3.40E-02	8.05E+00
1818	495311.06	3859101.99	1.15858	0.67068	6.7354	0.59457	8.83E-02	7.16E+00	7.45E-01	3.40E-02	8.02E+00	8.58E-02	3.02E-05	7.45E-02	6.66E-03	1.67E-01	9.62E-02	7.16E+00	7.45E-01	3.40E-02	8.03E+00
1819	495361.06	3859101.99	1.15786	0.67493	6.5137	0.5927	8.83E-02	7.20E+00	7.20E-01	3.39E-02	8.04E+00	8.57E-02	3.04E-05	7.20E-02	6.63E-03	1.64E-01	9.61E-02	7.20E+00	7.20E-01	3.39E-02	8.05E+00
1820	495411.06	3859101.99	1.15396	0.67339	6.6103	0.59218	8.80E-02	7.19E+00	7.31E-01	3.39E-02	8.04E+00	8.54E-02	3.04E-05	7.31E-02	6.63E-03	1.65E-01	9.58E-02	7.19E+00	7.31E-01	3.39E-02	8.05E+00
1821	495461.06	3859101.99	1.14578	0.66557	7.1779	0.59167	8.73E-02	7.10E+00	7.94E-01	3.38E-02	8.02E+00	8.48E-02	3.00E-05	7.94E-02	6.62E-03	1.71E-01	9.51E-02	7.10E+00	7.94E-01	3.38E-02	8.03E+00
1822	495511.06	3859101.99	1.1369	0.66273	7.1826	0.59113	8.67E-02	7.07E+00	7.94E-01	3.38E-02	7.99E+00	8.42E-02	2.99E-05	7.94E-02	6.62E-03	1.70E-01	9.44E-02	7.07E+00	7.94E-01	3.38E-02	7.99E+00
1823	495561.06	3859101.99	1.1142	0.66	6.4095	0.59053	8.49E-02	7.04E+00	7.09E-01	3.38E-02	7.87E+00	8.25E-02	2.98E-05	7.09E-02	6.61E-03	1.60E-01	9.25E-02	7.04E+00	7.09E-01	3.38E-02	7.88E+00
1824	495611.06	3859101.99	1.09504	0.65391	6.2317	0.58995	8.35E-02	6.98E+00	6.89E-01	3.37E-02	7.78E+00	8.11E-02	2.95E-05	6.89E-02	6.60E-03	1.57E-01	9.09E-02	6.98E+00	6.89E-01	3.37E-02	7.79E+00
1825	495661.06	3859101.99	1.09187	0.65357	6.366	0.58943	8.32E-02	6.97E+00	7.04E-01	3.37E-02	7.80E+00	8.08E-02	2.95E-05	7.04E-02	6.60E-03	1.58E-01	9.06E-02	6.97E+00	7.04E-01	3.37E-02	7.80E+00
1826	494311.06	3859151.99	1.79472	0.90062	11.921	1.34451	1.37E-01	9.61E+00	1.32E+00	7.69E-02	1.11E+01	1.33E-01	4.06E-05	1.32E-01	1.51E-02	2.80E-01	1.49E-01	9.61E+00	1.32E+00	7.69E-02	1.12E+01

1827	494361.06	3859151.99	1.77586	0.89636	11.6	1.34269	1.35E-01	9.57E+00	1.28E+00	7.68E-02	1.11E+01	1.31E-01	4.04E-05	1.28E-01	1.50E-02	2.75E-01	1.47E-01	9.57E+00	1.28E+00	7.68E-02	1.11E+01
1828	494411.06	3859151.99	1.73744	0.88278	11.377	1.32589	1.32E-01	9.42E+00	1.26E+00	7.58E-02	1.09E+01	1.29E-01	3.98E-05	1.26E-01	1.48E-02	2.69E-01	1.44E-01	9.42E+00	1.26E+00	7.58E-02	1.09E+01
1829	494461.06	3859151.99	1.69866	0.86899	11.122	1.30398	1.29E-01	9.27E+00	1.23E+00	7.46E-02	1.07E+01	1.26E-01	3.92E-05	1.23E-01	1.46E-02	2.63E-01	1.41E-01	9.27E+00	1.23E+00	7.46E-02	1.07E+01
1830	494511.06	3859151.99	1.64914	0.85086	10.837	1.2664	1.26E-01	9.08E+00	1.20E+00	7.24E-02	1.05E+01	1.22E-01	3.84E-05	1.20E-01	1.42E-02	2.56E-01	1.37E-01	9.08E+00	1.20E+00	7.24E-02	1.05E+01
1831	494561.06	3859151.99	1.6191	0.84067	10.504	1.24362	1.23E-01	8.97E+00	1.16E+00	7.11E-02	1.03E+01	1.20E-01	3.79E-05	1.16E-01	1.39E-02	2.50E-01	1.34E-01	8.97E+00	1.16E+00	7.11E-02	1.03E+01
1832	494611.06	3859151.99	1.56968	0.82302	10.115	1.1941	1.20E-01	8.78E+00	1.12E+00	6.83E-02	1.01E+01	1.16E-01	3.71E-05	1.12E-01	1.34E-02	2.41E-01	1.30E-01	8.78E+00	1.12E+00	6.83E-02	1.01E+01
1833	494661.06	3859151.99	1.53765	0.81223	9.7333	1.16227	1.17E-01	8.67E+00	1.08E+00	6.65E-02	9.93E+00	1.14E-01	3.66E-05	1.08E-01	1.30E-02	2.34E-01	1.28E-01	8.67E+00	1.08E+00	6.65E-02	9.94E+00
1834	494711.06	3859151.99	1.51765	0.80319	9.3589	1.13447	1.16E-01	8.57E+00	1.03E+00	6.49E-02	9.79E+00	1.12E-01	3.62E-05	1.03E-01	1.27E-02	2.29E-01	1.26E-01	8.57E+00	1.03E+00	6.49E-02	9.80E+00
1835	494761.06	3859151.99	1.47204	0.78354	8.8122	1.06063	1.12E-01	8.36E+00	9.74E-01	6.07E-02	9.51E+00	1.09E-01	3.53E-05	9.74E-02	1.19E-02	2.18E-01	1.22E-01	8.36E+00	9.74E-01	6.07E-02	9.52E+00
1836	494811.06	3859151.99	1.43348	0.76757	8.2651	0.99561	1.09E-01	8.19E+00	9.14E-01	5.69E-02	9.27E+00	1.06E-01	3.46E-05	9.14E-02	1.11E-02	2.09E-01	1.19E-01	8.19E+00	9.14E-01	5.69E-02	9.28E+00
1837	494861.06	3859151.99	1.41387	0.75768	7.8288	0.95564	1.08E-01	8.09E+00	8.66E-01	5.46E-02	9.11E+00	1.05E-01	3.42E-05	8.66E-02	1.07E-02	2.02E-01	1.17E-01	8.09E+00	8.66E-01	5.46E-02	9.12E+00
1838	494911.06	3859151.99	1.35581	0.73881	7.1365	0.86691	1.03E-01	7.88E+00	7.89E-01	4.96E-02	8.83E+00	1.00E-01	3.33E-05	7.89E-02	9.70E-03	1.89E-01	1.13E-01	7.88E+00	7.89E-01	4.96E-02	8.84E+00
1839	494961.06	3859151.99	1.27011	0.71064	6.4055	0.78299	9.68E-02	7.58E+00	7.08E-01	4.48E-02	8.43E+00	9.40E-02	3.20E-05	7.08E-02	8.77E-03	1.74E-01	1.05E-01	7.58E+00	7.08E-01	4.48E-02	8.44E+00
1840	495011.06	3859151.99	1.20311	0.69251	5.58	0.62847	9.17E-02	7.39E+00	6.17E-01	3.59E-02	8.13E+00	8.91E-02	3.12E-05	6.17E-02	7.04E-03	1.58E-01	9.99E-02	7.39E+00	6.17E-01	3.59E-02	8.14E+00
1841	495061.06	3859151.99	1.2044	0.69025	5.6876	0.62511	9.18E-02	7.37E+00	6.29E-01	3.57E-02	8.12E+00	8.92E-02	3.11E-05	6.29E-02	7.00E-03	1.59E-01	1.00E-01	7.37E+00	6.29E-01	3.57E-02	8.13E+00
1842	495111.06	3859151.99	1.19963	0.68608	5.7214	0.61068	9.14E-02	7.32E+00	6.33E-01	3.49E-02	8.08E+00	8.88E-02	3.09E-05	6.33E-02	6.84E-03	1.59E-01	9.96E-02	7.32E+00	6.33E-01	3.49E-02	8.09E+00
1843	495161.06	3859151.99	1.21645	0.6901	6.0559	0.64104	9.27E-02	7.36E+00	6.70E-01	3.67E-02	8.16E+00	9.01E-02	3.11E-05	6.70E-02	7.18E-03	1.64E-01	1.01E-01	7.36E+00	6.70E-01	3.67E-02	8.17E+00
1844	495211.06	3859151.99	1.21221	0.68672	6.1154	0.62988	9.24E-02	7.33E+00	6.76E-01	3.60E-02	8.13E+00	8.97E-02	3.10E-05	6.76E-02	7.05E-03	1.64E-01	1.01E-01	7.33E+00	6.76E-01	3.60E-02	8.14E+00
1845	495261.06	3859151.99	1.20818	0.68361	6.1796	0.61975	9.21E-02	7.30E+00	6.83E-01	3.54E-02	8.11E+00	8.94E-02	3.08E-05	6.83E-02	6.94E-03	1.65E-01	1.00E-01	7.30E+00	6.83E-01	3.54E-02	8.11E+00
1846	495311.06	3859151.99	1.2059	0.68149	6.2773	0.61457	9.19E-02	7.27E+00	6.94E-01	3.51E-02	8.09E+00	8.93E-02	3.07E-05	6.94E-02	6.88E-03	1.66E-01	1.00E-01	7.27E+00	6.94E-01	3.51E-02	8.10E+00
1847	495361.06	3859151.99	1.20104	0.67875	6.3468	0.60687	9.15E-02	7.24E+00	7.02E-01	3.47E-02	8.07E+00	8.89E-02	3.06E-05	7.02E-02	6.79E-03	1.66E-01	9.97E-02	7.24E+00	7.02E-01	3.47E-02	8.08E+00
1848	495411.06	3859151.99	1.21315	0.68214	6.6538	0.62883	9.25E-02	7.28E+00	7.36E-01	3.60E-02	8.14E+00	8.98E-02	3.07E-05	7.36E-02	7.04E-03	1.70E-01	1.01E-01	7.28E+00	7.36E-01	3.60E-02	8.15E+00
1849	495461.06	3859151.99	1.20693	0.67989	6.7372	0.62131	9.20E-02	7.26E+00	7.45E-01	3.55E-02	8.13E+00	8.94E-02	3.06E-05	7.45E-02	6.96E-03	1.71E-01	1.00E-01	7.26E+00	7.45E-01	3.55E-02	8.14E+00
1850	495511.06	3859151.99	1.18746	0.67219	6.5948	0.60507	9.05E-02	7.17E+00	7.29E-01	3.46E-02	8.03E+00	8.79E-02	3.03E-05	7.29E-02	6.77E-03	1.68E-01	9.86E-02	7.17E+00	7.29E-01	3.46E-02	8.04E+00
1851	495561.06	3859151.99	1.17341	0.66689	6.5351	0.60444	8.94E-02	7.12E+00	7.23E-01	3.46E-02	7.96E+00	8.69E-02	3.01E-05	7.23E-02	6.77E-03	1.66E-01	9.74E-02	7.12E+00	7.23E-01	3.46E-02	7.97E+00
1852	495611.06	3859151.99	1.16101	0.66247	6.5036	0.60381	8.85E-02	7.07E+00	7.19E-01	3.45E-02	7.91E+00	8.60E-02	2.99E-05	7.19E-02	6.76E-03	1.65E-01	9.64E-02	7.07E+00	7.19E-01	3.45E-02	7.92E+00
1853	495661.06	3859151.99	1.15025	0.6588	6.4988	0.60318	8.77E-02	7.03E+00	7.19E-01	3.45E-02	7.87E+00	8.52E-02	2.97E-05	7.19E-02	6.75E-03	1.64E-01	9.55E-02	7.03E+00	7.19E-01	3.45E-02	7.88E+00
1854	494311.06	3859201.99	1.88317	0.9245	12.527	1.34328	1.44E-01	9.87E+00	1.38E+00	7.68E-02	1.15E+01	1.39E-01	4.17E-05	1.38E-01	1.50E-02	2.93E-01	1.56E-01	9.87E+00	1.38E+00	7.68E-02	1.15E+01
1855	494361.06	3859201.99	1.85607	0.91617	12.339	1.34466	1.41E-01	9.78E+00	1.36E+00	7.69E-02	1.14E+01	1.37E-01	4.13E-05	1.36E-01	1.51E-02	2.89E-01	1.54E-01	9.78E+00	1.36E+00	7.69E-02	1.14E+01
1856	494411.06	3859201.99	1.82206	0.90397	12.212	1.34203	1.39E-01	9.65E+00	1.35E+00	7.67E-02	1.12E+01	1.35E-01	4.07E-05	1.35E-01	1.50E-02	2.85E-01	1.51E-01	9.65E+00	1.35E+00	7.67E-02	1.12E+01
1857	494461.06	3859201.99	1.77616	0.88539	12.151	1.3295	1.35E-01	9.45E+00	1.34E+00	7.60E-02	1.10E+01	1.31E-01	3.99E-05	1.34E-01	1.49E-02	2.81E-01	1.47E-01	9.45E+00	1.34E+00	7.60E-02	1.10E+01
1858	494511.06	3859201.99	1.74311	0.87363	11.947	1.31891	1.33E-01	9.32E+00	1.32E+00	7.54E-02	1.09E+01	1.29E-01	3.94E-05	1.32E-01	1.48E-02	2.76E-01	1.45E-01	9.32E+00	1.32E+00	7.54E-02	1.09E+01
1859	494561.06	3859201.99	1.69136	0.85337	11.779	1.28915	1.29E-01	9.11E+00	1.30E+00	7.37E-02	1.06E+01	1.25E-01	3.85E-05	1.30E-01	1.44E-02	2.70E-01	1.40E-01	9.11E+00	1.30E+00	7.37E-02	1.06E+01
1860	494611.06	3859201.99	1.65053	0.83818	11.509	1.26116	1.26E-01	8.94E+00	1.27E+00	7.21E-02	1.04E+01	1.22E-01	3.78E-05	1.27E-01	1.41E-02	2.64E-01	1.37E-01	8.94E+00	1.27E+00	7.21E-02	1.04E+01
1861	494661.06	3859201.99	1.61782	0.82656	11.195	1.23709	1.23E-01	8.82E+00	1.24E+00	7.07E-02	1.03E+01	1.20E-01	3.73E-05	1.24E-01	1.38E-02	2.57E-01	1.34E-01	8.82E+00	1.24E+00	7.07E-02	1.03E+01
1862	494711.06	3859201.99	1.58509	0.815	10.858	1.20975	1.21E-01	8.70E+00	1.20E+00	6.92E-02	1.01E+01	1.17E-01	3.67E-05	1.20E-01	1.35E-02	2.51E-01	1.32E-01	8.70E+00	1.20E+00	6.92E-02	1.01E+01
1863	494761.06	3859201.99	1.53132	0.79548	10.423	1.1515	1.17E-01	8.49E+00	1.15E+00	6.58E-02	9.82E+00	1.13E-01	3.59E-05	1.15E-01	1.29E-02	2.42E-01	1.27E-01	8.49E+00	1.15E+00	6.58E-02	9.83E+00
1864	494811.06	3859201.99	1.4858	0.7799	9.9542	1.09933	1.13E-01	8.32E+00	1.10E+00	6.29E-02	9.60E+00	1.10E-01	3.52E-05	1.10E-01	1.23E-02	2.32E-01	1.23E-01	8.32E+00	1.10E+00	6.29E-02	9.61E+00
1865	494861.06	3859201.99	1.43404	0.75775	9.5195	1.06365	1.09E-01	8.09E+00	1.05E+00	6.08E-02	9.31E+00	1.06E-01	3.42E-05	1.05E-01	1.19E-02	2.23E-01	1.19E-01	8.09E+00	1.05E+00	6.08E-02	9.32E+00
1866	494911.06	3859201.99	1.36884	0.73998	8.628	0.93636	1.04E-01	7.90E+00	9.54E-01	5.35E-02	9.01E+00	1.01E-01	3.34E-05	9.54E-02	1.05E-02	2.07E-01	1.14E-01	7.90E+00	9.54E-01	5.35E-02	9.02E+00
1867	494961.06	3859201.99	1.30115	0.71787	7.7448	0.83028	9.92E-02	7.66E+00	8.56E-01	4.75E-02	8.66E+00	9.63E-02	3.24E-05	8.56E-02	9.29E-03	1.91E-01	1.08E-01	7.66E+00	8.56E-01	4.75E-02	8.67E+00
1868	495011.06	3859201.99	1.20834	0.68903	6.569	0.69349	9.21E-02	7.35E+00	7.26E-01	3.97E-02	8.21E+00	8.95E-02	3.11E-05	7.26E-02	7.76E-03	1.70E-01	1.00E-01	7.35E+00	7.26E-01	3.97E-02	8.22E+00
1869	495061.06	3859201.99	1.25991	0.69972	6.8054	0.75034	9.60E-02	7.47E+00	7.52E-01	4.29E-02	8.36E+00	9.33E-02	3.15E-05	7.52E-02	8.40E-03	1.77E-01	1.05E-01	7.47E+00	7.52E-01	4.29E-02	8.37E+00
1870	495111.06	3859201.99	1.27337	0.6992	6.6616	0.75656	9.71E-02	7.46E+00	7.37E-01	4.33E-02	8.34E+00	9.43E-02	3.15E-05	7.37E-02	8.47E-03	1.76E-01	1.06E-01	7.46E+00	7.37E-01	4.33E-02	8.35E+00
1871	495161.06	3859201.99	1.27926	0.69728	6.466	0.75446	9.75E-02	7.44E+00	7.15E-01	4.31E-02	8.30E+00	9.47E-02	3.14E-05	7.15E-02	8.45E-03	1.75E-01	1.06E-01	7.44E+00	7.15E-01	4.31E-02	8.31E+00
1872	495211.06	3859201.99	1.26689	0.69131	6.1327	0.72979	9.66E-02	7.38E+00	6.78E-01	4.17E-02	8.19E+00	9.38E-02	3.12E-05	6.78E-02	8.17E-03	1.70E-01	1.05E-01	7.38E+00	6.78E-01	4.17E-02	8.20E+00
1873	495261.06	3859201.99	1.27821	0.69122	6.0068	0.73665	9.74E-02	7.38E+00	6.64E-01	4.21E-02	8.18E+00	9.46E-02	3.12E-05	6.64E-02	8.25E-03	1.69E-01	1.06E-01	7.38E+00	6.64E-01	4.21E-02	8.19E+00
1874	495311.06	3859201.99	1.27939	0.68912	5.9758	0.7319	9.75E-02	7.35E+00	6.61E-01	4.19E-02	8.15E+00	9.47E-02	3.11E-05	6.61E-02	8.19E-03	1.69E-01	1.06E-01	7.35E+00	6.61E-01	4.19E-02	8.16E+00
1875	495361.06	3859201.99	1.28334	0.68796	6.1128	0.73189	9.78E-02	7.34E+00	6.76E-01	4.19E-02	8.16E+00	9.50E-02	3.10E-05	6.76E-02	8.19E-03	1.71E-01	1.07E-01	7.34E+00	6.76E-01	4.19E-02	8.17E+00
1876	495411.06	3859201.99	1.30125	0.6905	6.3474	0.75078	9.92E-02	7.37E+00	7.02E-01	4.29E-02	8.21E+00	9.63E-02	3.11E-05	7.02E-02	8.40E-03	1.75E-01	1.08E-01	7.37E+00	7.02E-01	4.29E-02	8.22E+00
1877	495461.06	3859201.99	1.29115	0.68658	6.4071	0.73519	9.84E-02	7.33E+00	7.08E-01	4.20E-02	8.18E+00	9.56E-02	3.10E-05	7.08E-02	8.23E-03	1.75E-01	1.07E-01	7.33E+00	7.08E-01	4.20E-02	8.18E+00
1878	495511.06	3859201.99	1.28038	0.68278	6.4652	0.71997	9.76E-02	7.29E+00	7.15E-01	4.12E-02	8.14E+00	9.48E-02	3.08E-05	7.15E-02	8.06E-03	1.74E-01	1.06E-01	7.29E+00	7.15E-01	4.12E-02	8.15E+00
1879	495561.06	3859201.99	1.24653	0.67372	6.3576	0.67714	9.50E-02	7.19E+00	7.03E-01	3.87E-02	8.03E+00	9.23E-02	3.04E-05	7.03E-02	7.58E-03	1.70E-01	1.03E-01	7.19E+00	7.03E-01	3.87E-02	8.03E+00
1880	495611.06	3859201.99	1.22345	0.66761	6.3222	0.6495	9.33E-02	7.12E+00	6.99E-01	3.71E-02	7.95E+00	9.06E-02	3.01E-05	6.99E-02	7.27E-03	1.68E-01	1.02E-01	7.12E+00	6.99E-01	3.71E-02	7.96E+00
1881	495661.06	3859201.99	1.20897	0.66379	6.3542	0.63369	9.21E-02	7.08E+00	7.03E-01	3.62E-02	7.91E+00	8.95E-02	2.99E-05	7.03E-02	7.09E-03	1.67E-01	1.00E-01	7.08E+00	7.03E-01	3.62E-02	7.92E+00
1882	494311.06	3859251.99	1.98205	0.94858	12.468	1.29843	1.51E-01	1.01E+01	1.38E+00	7.42E-02	1.17E+01	1.47E-01	4.28E-05	1.38E-01	1.45E-02	2.99E-01	1.65E-01	1.01E+01	1.38E+00	7.42E-02	1.17E+01
1883	494361.06	3859251.99	1.93879	0.93448	12.543	1.3101	1.48E-01	9.97E+00	1.39E+00	7.49E-02	1.16E+01	1.44E-01	4.21E-05	1.39E-01	1.47E-02	2.97E-01	1.61E-01	9.97E+00	1.39E+00	7.49E-02	1.16E+01
1884	494411.06	3859251.99	1.8836	0.91442	12.734	1.31828	1.44E-01	9.76E+00	1.41E+00	7.54E-02	1.14E+01	1.39E-01	4.12E-05	1.41E-01	1.48E-02	2.95E-01	1.56E-01	9.76E+00	1.41E+00	7.54E-02	1.14E+01
1885	494461.06	3859251.99	1.84875	0.90221	12.683	1.32132	1.41E-01	9.63E+00	1.40E+00	7.56E-02	1.12E+01	1.37E-01	4.07E-05	1.40E-01	1.48E-02	2.92E-01	1.53E-01	9.63E+00	1.40E+00	7.56E-02	1.13E+01
1886	494511.06	3859251.99	1.79883	0.88069	12.773	1.31456	1.37E-01	9.40E+00	1.41E+00	7.52E-02	1.10E+01	1.33E-01	3.97E-05	1.41E-01	1.47E-02	2.89E-01	1.49E-01	9.40E+00	1.41E+00	7.52E-02	1.10E+01
1887	494561.06	3859251.99	1.76383	0.86754	12.651	1.30745	1.34E-01	9.26E+00	1.40E+00	7.48E-02	1.09E+01	1.31E-01	3.91E-05	1.40E-01	1.46E-02	2.85E-01	1.46E-01	9.26E+00	1.40E+00	7.48E-02	1.09E+01

1888	494611.06	3859251.99	1.71969	0.84992	12.537	1.28917	1.31E-01	9.07E+00	1.39E+00	7.37E-02	1.07E+01	1.27E-01	3.83E-05	1.39E-01	1.44E-02	2.80E-01	1.43E-01	9.07E+00	1.39E+00	7.37E-02	1.07E+01
1889	494661.06	3859251.99	1.69418	0.84139	12.296	1.28081	1.29E-01	8.98E+00	1.36E+00	7.32E-02	1.05E+01	1.25E-01	3.79E-05	1.36E-01	1.43E-02	2.76E-01	1.41E-01	8.98E+00	1.36E+00	7.32E-02	1.06E+01
1890	494711.06	3859251.99	1.66042	0.82906	12.06	1.26256	1.27E-01	8.85E+00	1.33E+00	7.22E-02	1.04E+01	1.23E-01	3.74E-05	1.33E-01	1.41E-02	2.70E-01	1.38E-01	8.85E+00	1.33E+00	7.22E-02	1.04E+01
1891	494761.06	3859251.99	1.57931	0.79238	11.811	1.20895	1.20E-01	8.46E+00	1.31E+00	6.91E-02	9.95E+00	1.17E-01	3.57E-05	1.31E-01	1.35E-02	2.61E-01	1.31E-01	8.46E+00	1.31E+00	6.91E-02	9.96E+00
1892	494811.06	3859251.99	1.56447	0.79259	11.427	1.17881	1.19E-01	8.46E+00	1.26E+00	6.74E-02	9.91E+00	1.16E-01	3.57E-05	1.26E-01	1.32E-02	2.55E-01	1.30E-01	8.46E+00	1.26E+00	6.74E-02	9.92E+00
1893	494861.06	3859251.99	1.49016	0.76138	10.995	1.12789	1.14E-01	8.13E+00	1.22E+00	6.45E-02	9.52E+00	1.10E-01	3.43E-05	1.22E-01	1.26E-02	2.45E-01	1.24E-01	8.13E+00	1.22E+00	6.45E-02	9.53E+00
1894	494911.06	3859251.99	1.41543	0.74154	10.092	0.99596	1.08E-01	7.91E+00	1.12E+00	5.70E-02	9.19E+00	1.05E-01	3.34E-05	1.12E-01	1.11E-02	2.28E-01	1.18E-01	7.91E+00	1.12E+00	5.70E-02	9.20E+00
1895	494961.06	3859251.99	1.37965	0.73012	9.5806	0.95186	1.05E-01	7.79E+00	1.06E+00	5.44E-02	9.01E+00	1.02E-01	3.29E-05	1.06E-01	1.07E-02	2.19E-01	1.15E-01	7.79E+00	1.06E+00	5.44E-02	9.02E+00
1896	495011.06	3859251.99	1.33593	0.71646	8.9729	0.89361	1.02E-01	7.65E+00	9.92E-01	5.11E-02	8.79E+00	9.89E-02	3.23E-05	9.92E-02	1.00E-02	2.08E-01	1.11E-01	7.65E+00	9.92E-01	5.11E-02	8.80E+00
1897	495061.06	3859251.99	1.34089	0.71734	8.8358	0.90777	1.02E-01	7.66E+00	9.77E-01	5.19E-02	8.79E+00	9.93E-02	3.23E-05	9.77E-02	1.02E-02	2.07E-01	1.11E-01	7.66E+00	9.77E-01	5.19E-02	8.80E+00
1898	495111.06	3859251.99	1.33896	0.71216	8.504	0.89055	1.02E-01	7.60E+00	9.40E-01	5.09E-02	8.69E+00	9.91E-02	3.21E-05	9.40E-02	9.97E-03	2.03E-01	1.11E-01	7.60E+00	9.40E-01	5.09E-02	8.70E+00
1899	495161.06	3859251.99	1.34693	0.70979	8.2648	0.88714	1.03E-01	7.57E+00	9.14E-01	5.07E-02	8.64E+00	9.97E-02	3.20E-05	9.14E-02	9.93E-03	2.01E-01	1.12E-01	7.57E+00	9.14E-01	5.07E-02	8.65E+00
1900	495211.06	3859251.99	1.3406	0.70394	7.9207	0.86547	1.02E-01	7.51E+00	8.76E-01	4.95E-02	8.54E+00	9.92E-02	3.17E-05	8.76E-02	9.69E-03	1.97E-01	1.11E-01	7.51E+00	8.76E-01	4.95E-02	8.55E+00
1901	495261.06	3859251.99	1.35031	0.69857	7.9005	0.90422	1.03E-01	7.45E+00	8.73E-01	5.17E-02	8.48E+00	1.00E-01	3.15E-05	8.73E-02	1.01E-02	1.97E-01	1.12E-01	7.45E+00	8.73E-01	5.17E-02	8.49E+00
1902	495311.06	3859251.99	1.36106	0.70209	7.5454	0.87109	1.04E-01	7.49E+00	8.34E-01	4.98E-02	8.48E+00	1.01E-01	3.16E-05	8.34E-02	9.75E-03	1.94E-01	1.13E-01	7.49E+00	8.34E-01	4.98E-02	8.49E+00
1903	495361.06	3859251.99	1.36009	0.69874	7.2905	0.861	1.04E-01	7.46E+00	8.06E-01	4.92E-02	8.42E+00	1.01E-01	3.15E-05	8.06E-02	9.64E-03	1.91E-01	1.13E-01	7.46E+00	8.06E-01	4.92E-02	8.42E+00
1904	495411.06	3859251.99	1.37672	0.70039	7.1742	0.87542	1.05E-01	7.47E+00	7.93E-01	5.01E-02	8.42E+00	1.02E-01	3.16E-05	7.93E-02	9.80E-03	1.91E-01	1.14E-01	7.47E+00	7.93E-01	5.01E-02	8.43E+00
1905	495461.06	3859251.99	1.37119	0.69645	6.9119	0.86173	1.05E-01	7.43E+00	7.64E-01	4.93E-02	8.35E+00	1.02E-01	3.14E-05	7.64E-02	9.65E-03	1.88E-01	1.14E-01	7.43E+00	7.64E-01	4.93E-02	8.36E+00
1906	495511.06	3859251.99	1.34255	0.68658	6.4986	0.81804	1.02E-01	7.33E+00	7.18E-01	4.68E-02	8.19E+00	9.94E-02	3.10E-05	7.18E-02	9.16E-03	1.80E-01	1.11E-01	7.33E+00	7.18E-01	4.68E-02	8.20E+00
1907	495561.06	3859251.99	1.32891	0.68125	6.2109	0.7966	1.01E-01	7.27E+00	6.87E-01	4.56E-02	8.10E+00	9.84E-02	3.07E-05	6.87E-02	8.92E-03	1.76E-01	1.10E-01	7.27E+00	6.87E-01	4.56E-02	8.11E+00
1908	495611.06	3859251.99	1.30243	0.67289	5.911	0.75922	9.93E-02	7.18E+00	6.54E-01	4.34E-02	7.98E+00	9.64E-02	3.03E-05	6.54E-02	8.50E-03	1.70E-01	1.08E-01	7.18E+00	6.54E-01	4.34E-02	7.99E+00
1909	495661.06	3859251.99	1.28659	0.66759	5.9441	0.73737	9.81E-02	7.12E+00	6.57E-01	4.22E-02	7.92E+00	9.53E-02	3.01E-05	6.57E-02	8.25E-03	1.69E-01	1.07E-01	7.12E+00	6.57E-01	4.22E-02	7.93E+00
1910	494311.06	3859301.99	2.06804	0.97106	11.841	1.21723	1.58E-01	1.04E+01	1.31E+00	6.96E-02	1.19E+01	1.53E-01	4.38E-05	1.31E-01	1.36E-02	2.98E-01	1.72E-01	1.04E+01	1.31E+00	6.96E-02	1.19E+01
1911	494361.06	3859301.99	2.02758	0.95538	12.104	1.24103	1.55E-01	1.02E+01	1.34E+00	7.10E-02	1.18E+01	1.50E-01	4.31E-05	1.34E-01	1.39E-02	2.98E-01	1.68E-01	1.02E+01	1.34E+00	7.10E-02	1.18E+01
1912	494411.06	3859301.99	1.9775	0.9346	12.494	1.26505	1.51E-01	9.97E+00	1.38E+00	7.23E-02	1.16E+01	1.46E-01	4.21E-05	1.38E-01	1.42E-02	2.99E-01	1.64E-01	9.97E+00	1.38E+00	7.23E-02	1.16E+01
1913	494461.06	3859301.99	1.92496	0.91416	12.808	1.28145	1.47E-01	9.76E+00	1.42E+00	7.33E-02	1.14E+01	1.43E-01	4.12E-05	1.42E-01	1.43E-02	2.99E-01	1.60E-01	9.76E+00	1.42E+00	7.33E-02	1.14E+01
1914	494511.06	3859301.99	1.87411	0.89672	12.978	1.29014	1.43E-01	9.57E+00	1.43E+00	7.38E-02	1.12E+01	1.39E-01	4.04E-05	1.43E-01	1.44E-02	2.97E-01	1.56E-01	9.57E+00	1.43E+00	7.38E-02	1.12E+01
1915	494561.06	3859301.99	1.83205	0.88369	12.993	1.29432	1.40E-01	9.43E+00	1.44E+00	7.40E-02	1.11E+01	1.36E-01	3.98E-05	1.44E-01	1.45E-02	2.94E-01	1.52E-01	9.43E+00	1.44E+00	7.40E-02	1.11E+01
1916	494611.06	3859301.99	1.79594	0.86896	13.002	1.29366	1.37E-01	9.27E+00	1.44E+00	7.40E-02	1.09E+01	1.33E-01	3.92E-05	1.44E-01	1.45E-02	2.91E-01	1.49E-01	9.27E+00	1.44E+00	7.40E-02	1.09E+01
1917	494661.06	3859301.99	1.76043	0.85462	12.956	1.28844	1.34E-01	9.12E+00	1.43E+00	7.37E-02	1.08E+01	1.30E-01	3.85E-05	1.43E-01	1.44E-02	2.88E-01	1.46E-01	9.12E+00	1.43E+00	7.37E-02	1.08E+01
1918	494711.06	3859301.99	1.7175	0.83708	12.897	1.27361	1.31E-01	8.93E+00	1.43E+00	7.28E-02	1.06E+01	1.27E-01	3.77E-05	1.43E-01	1.43E-02	2.84E-01	1.43E-01	8.93E+00	1.43E+00	7.28E-02	1.06E+01
1919	494761.06	3859301.99	1.67909	0.8221	12.746	1.25576	1.28E-01	8.77E+00	1.41E+00	7.18E-02	1.04E+01	1.24E-01	3.71E-05	1.41E-01	1.41E-02	2.79E-01	1.39E-01	8.77E+00	1.41E+00	7.18E-02	1.04E+01
1920	494811.06	3859301.99	1.62422	0.80018	12.54	1.21517	1.24E-01	8.54E+00	1.39E+00	6.95E-02	1.01E+01	1.20E-01	3.61E-05	1.39E-01	1.36E-02	2.73E-01	1.35E-01	8.54E+00	1.39E+00	6.95E-02	1.01E+01
1921	494861.06	3859301.99	1.54549	0.77055	12.108	1.13536	1.18E-01	8.22E+00	1.34E+00	6.49E-02	9.74E+00	1.14E-01	3.47E-05	1.34E-01	1.27E-02	2.61E-01	1.28E-01	8.22E+00	1.34E+00	6.49E-02	9.76E+00
1922	494911.06	3859301.99	1.50565	0.75688	11.688	1.09577	1.15E-01	8.08E+00	1.29E+00	6.27E-02	9.55E+00	1.11E-01	3.41E-05	1.29E-01	1.23E-02	2.53E-01	1.25E-01	8.08E+00	1.29E+00	6.27E-02	9.56E+00
1923	494961.06	3859301.99	1.42346	0.72702	10.965	1.00866	1.08E-01	7.76E+00	1.21E+00	5.77E-02	9.14E+00	1.05E-01	3.28E-05	1.21E-01	1.13E-02	2.38E-01	1.18E-01	7.76E+00	1.21E+00	5.77E-02	9.15E+00
1924	495011.06	3859301.99	1.39493	0.71747	10.537	0.97922	1.06E-01	7.66E+00	1.16E+00	5.60E-02	8.98E+00	1.03E-01	3.23E-05	1.16E-01	1.10E-02	2.31E-01	1.16E-01	7.66E+00	1.16E+00	5.60E-02	8.99E+00
1925	495061.06	3859301.99	1.43665	0.72888	10.773	1.06744	1.10E-01	7.78E+00	1.19E+00	6.10E-02	9.14E+00	1.06E-01	3.29E-05	1.19E-01	1.19E-02	2.37E-01	1.19E-01	7.78E+00	1.19E+00	6.10E-02	9.15E+00
1926	495111.06	3859301.99	1.39273	0.71591	10.148	0.99486	1.06E-01	7.64E+00	1.12E+00	5.69E-02	8.93E+00	1.03E-01	3.23E-05	1.12E-01	1.11E-02	2.26E-01	1.16E-01	7.64E+00	1.12E+00	5.69E-02	8.93E+00
1927	495161.06	3859301.99	1.38586	0.71636	9.8068	0.9741	1.06E-01	7.64E+00	1.08E+00	5.57E-02	8.89E+00	1.03E-01	3.23E-05	1.08E-01	1.09E-02	2.22E-01	1.15E-01	7.64E+00	1.08E+00	5.57E-02	8.90E+00
1928	495211.06	3859301.99	1.3973	0.71967	9.7056	0.99826	1.07E-01	7.68E+00	1.07E+00	5.71E-02	8.92E+00	1.03E-01	3.24E-05	1.07E-01	1.12E-02	2.22E-01	1.16E-01	7.68E+00	1.07E+00	5.71E-02	8.93E+00
1929	495261.06	3859301.99	1.41357	0.71914	9.502	1.00432	1.08E-01	7.67E+00	1.05E+00	5.74E-02	8.89E+00	1.05E-01	3.24E-05	1.05E-01	1.12E-02	2.21E-01	1.17E-01	7.67E+00	1.05E+00	5.74E-02	8.90E+00
1930	495311.06	3859301.99	1.39929	0.70969	9.0962	0.97023	1.07E-01	7.57E+00	1.01E+00	5.55E-02	8.74E+00	1.04E-01	3.20E-05	1.01E-01	1.09E-02	2.15E-01	1.16E-01	7.57E+00	1.01E+00	5.55E-02	8.75E+00
1931	495361.06	3859301.99	1.41668	0.71024	8.9257	0.9807	1.08E-01	7.58E+00	9.87E-01	5.61E-02	8.73E+00	1.05E-01	3.20E-05	9.87E-02	1.10E-02	2.15E-01	1.18E-01	7.58E+00	9.87E-01	5.61E-02	8.74E+00
1932	495411.06	3859301.99	1.42178	0.70747	8.6797	0.97581	1.08E-01	7.55E+00	9.60E-01	5.58E-02	8.67E+00	1.05E-01	3.19E-05	9.60E-02	1.09E-02	2.12E-01	1.18E-01	7.55E+00	9.60E-01	5.58E-02	8.68E+00
1933	495461.06	3859301.99	1.42926	0.70575	8.4587	0.97525	1.09E-01	7.53E+00	9.35E-01	5.58E-02	8.63E+00	1.06E-01	3.18E-05	9.35E-02	1.09E-02	2.10E-01	1.19E-01	7.53E+00	9.35E-01	5.58E-02	8.64E+00
1934	495511.06	3859301.99	1.413	0.69722	8.0961	0.9439	1.08E-01	7.44E+00	8.95E-01	5.40E-02	8.50E+00	1.05E-01	3.14E-05	8.95E-02	1.06E-02	2.05E-01	1.17E-01	7.44E+00	8.95E-01	5.40E-02	8.51E+00
1935	495561.06	3859301.99	1.37637	0.68353	7.5998	0.88642	1.05E-01	7.29E+00	8.40E-01	5.07E-02	8.29E+00	1.02E-01	3.08E-05	8.40E-02	9.92E-03	1.96E-01	1.14E-01	7.29E+00	8.40E-01	5.07E-02	8.30E+00
1936	495611.06	3859301.99	1.36595	0.67778	7.2994	0.8659	1.04E-01	7.23E+00	8.07E-01	4.95E-02	8.19E+00	1.01E-01	3.06E-05	8.07E-02	9.69E-03	1.92E-01	1.13E-01	7.23E+00	8.07E-01	4.95E-02	8.20E+00
1937	495661.06	3859301.99	1.35367	0.67186	6.9986	0.84409	1.03E-01	7.17E+00	7.74E-01	4.83E-02	8.10E+00	1.00E-01	3.03E-05	7.74E-02	9.45E-03	1.87E-01	1.12E-01	7.17E+00	7.74E-01	4.83E-02	8.10E+00
1938	494311.06	3859351.99	2.18029	0.98821	10.95	1.11896	1.66E-01	1.05E+01	1.21E+00	6.40E-02	1.20E+01	1.61E-01	4.45E-05	1.21E-01	1.25E-02	2.95E-01	1.81E-01	1.05E+01	1.21E+00	6.40E-02	1.20E+01
1939	494361.06	3859351.99	2.11605	0.97196	11.334	1.15102	1.61E-01	1.04E+01	1.25E+00	6.58E-02	1.19E+01	1.57E-01	4.38E-05	1.25E-01	1.29E-02	2.95E-01	1.76E-01	1.04E+01	1.25E+00	6.58E-02	1.19E+01
1940	494411.06	3859351.99	2.04945	0.94821	11.957	1.18945	1.56E-01	1.01E+01	1.32E+00	6.80E-02	1.17E+01	1.52E-01	4.27E-05	1.32E-01	1.33E-02	2.97E-01	1.70E-01	1.01E+01	1.32E+00	6.80E-02	1.17E+01
1941	494461.06	3859351.99	2.00404	0.92882	12.383	1.21643	1.53E-01	9.91E+00	1.37E+00	6.96E-02	1.15E+01	1.48E-01	4.19E-05	1.37E-01	1.36E-02	2.99E-01	1.66E-01	9.91E+00	1.37E+00	6.96E-02	1.15E+01
1942	494511.06	3859351.99	1.95957	0.9119	12.682	1.23613	1.49E-01	9.73E+00	1.40E+00	7.07E-02	1.14E+01	1.45E-01	4.11E-05	1.40E-01	1.38E-02	2.99E-01	1.63E-01	9.73E+00	1.40E+00	7.07E-02	1.14E+01
1943	494561.06	3859351.99	1.92107	0.90018	12.788	1.24943	1.46E-01	9.61E+00	1.41E+00	7.14E-02	1.12E+01	1.42E-01	4.06E-05	1.41E-01	1.40E-02	2.98E-01	1.59E-01	9.61E+00	1.41E+00	7.14E-02	1.13E+01
1944	494611.06	3859351.99	1.87669	0.88602	12.931	1.2604	1.43E-01	9.46E+00	1.43E+00	7.21E-02	1.11E+01	1.39E-01	3.99E-05	1.43E-01	1.41E-02	2.96E-01	1.56E-01	9.46E+00	1.43E+00	7.21E-02	1.11E+01
1945	494661.06	3859351.99	1.82883	0.87093	13.055	1.26715	1.39E-01	9.29E+00	1.44E+00	7.25E-02	1.09E+01	1.35E-01	3.93E-05	1.44E-01	1.42E-02	2.94E-01	1.52E-01	9.29E+00	1.44E+00	7.25E-02	1.10E+01
1946	494711.06	3859351.99	1.77992	0.85107	13.219	1.26589	1.36E-01	9.08E+00	1.46E+00	7.24E-02	1.08E+01	1.32E-01	3.84E-05	1.46E-01	1.42E-02	2.92E-01	1.48E-01	9.08E+00	1.46E+00	7.24E-02	1.08E+01
1947	494761.06	3859351.99	1.72718	0.82263	13.38	1.2711	1.32E-01	8.78E+00	1.48E+00	7.27E-02	1.05E+01	1.28E-01	3.71E-05	1.48E-01	1.42E-02	2.90E-01	1.43E-01	8.78E+00	1.48E+00	7.27E-02	1.05E+01
1948	494811.06	3859351.99	1.64427	0.79209	13.326	1.1941	1.25E-01	8.45E+00	1.47E+00	6.83E-02	1.01E+01	1.22E-01	3.57E-05	1.47E-01	1.34E-02	2.82E-01	1.37E-01	8.45E+00	1.47E+00	6.83E-02	1.01E+01

1949	494861.06	3859351.99	1.61187	0.78047	13.092	1.17567	1.23E-01	8.33E+00	1.45E+00	6.72E-02	9.97E+00	1.19E-01	3.52E-05	1.45E-01	1.32E-02	2.77E-01	1.34E-01	8.33E+00	1.45E+00	6.72E-02	9.98E+00
1950	494911.06	3859351.99	1.59042	0.7732	12.847	1.1666	1.21E-01	8.25E+00	1.42E+00	6.67E-02	9.86E+00	1.18E-01	3.49E-05	1.42E-01	1.31E-02	2.73E-01	1.32E-01	8.25E+00	1.42E+00	6.67E-02	9.87E+00
1951	494961.06	3859351.99	1.55345	0.75962	12.533	1.13612	1.18E-01	8.11E+00	1.39E+00	6.50E-02	9.68E+00	1.15E-01	3.42E-05	1.39E-01	1.27E-02	2.66E-01	1.29E-01	8.11E+00	1.39E+00	6.50E-02	9.69E+00
1952	495011.06	3859351.99	1.52697	0.75039	12.225	1.11643	1.16E-01	8.01E+00	1.35E+00	6.38E-02	9.54E+00	1.13E-01	3.38E-05	1.35E-01	1.25E-02	2.61E-01	1.27E-01	8.01E+00	1.35E+00	6.38E-02	9.55E+00
1953	495061.06	3859351.99	1.54212	0.75684	12.085	1.14885	1.18E-01	8.08E+00	1.34E+00	6.57E-02	9.60E+00	1.14E-01	3.41E-05	1.34E-01	1.29E-02	2.61E-01	1.28E-01	8.08E+00	1.34E+00	6.57E-02	9.61E+00
1954	495111.06	3859351.99	1.51377	0.74614	11.764	1.12346	1.15E-01	7.96E+00	1.30E+00	6.42E-02	9.44E+00	1.12E-01	3.36E-05	1.30E-01	1.26E-02	2.55E-01	1.26E-01	7.96E+00	1.30E+00	6.42E-02	9.45E+00
1955	495161.06	3859351.99	1.5008	0.74138	11.496	1.11704	1.14E-01	7.91E+00	1.27E+00	6.39E-02	9.36E+00	1.11E-01	3.34E-05	1.27E-01	1.25E-02	2.51E-01	1.25E-01	7.91E+00	1.27E+00	6.39E-02	9.37E+00
1956	495211.06	3859351.99	1.48577	0.73583	11.217	1.10712	1.13E-01	7.85E+00	1.24E+00	6.33E-02	9.27E+00	1.10E-01	3.32E-05	1.24E-01	1.24E-02	2.46E-01	1.23E-01	7.85E+00	1.24E+00	6.33E-02	9.28E+00
1957	495261.06	3859351.99	1.48167	0.73431	10.987	1.11134	1.13E-01	7.84E+00	1.21E+00	6.36E-02	9.23E+00	1.10E-01	3.31E-05	1.21E-01	1.24E-02	2.44E-01	1.23E-01	7.84E+00	1.21E+00	6.36E-02	9.24E+00
1958	495311.06	3859351.99	1.45895	0.72547	10.661	1.08811	1.11E-01	7.74E+00	1.18E+00	6.22E-02	9.09E+00	1.08E-01	3.27E-05	1.18E-01	1.22E-02	2.38E-01	1.21E-01	7.74E+00	1.18E+00	6.22E-02	9.10E+00
1959	495361.06	3859351.99	1.44632	0.72047	10.384	1.07844	1.10E-01	7.69E+00	1.15E+00	6.17E-02	9.01E+00	1.07E-01	3.25E-05	1.15E-01	1.21E-02	2.34E-01	1.20E-01	7.69E+00	1.15E+00	6.17E-02	9.02E+00
1960	495411.06	3859351.99	1.45821	0.71809	10.146	1.07845	1.11E-01	7.66E+00	1.12E+00	6.17E-02	8.96E+00	1.08E-01	3.24E-05	1.12E-01	1.21E-02	2.32E-01	1.21E-01	7.66E+00	1.12E+00	6.17E-02	8.97E+00
1961	495461.06	3859351.99	1.47433	0.71757	9.9318	1.08504	1.12E-01	7.66E+00	1.10E+00	6.20E-02	8.93E+00	1.09E-01	3.23E-05	1.10E-01	1.21E-02	2.31E-01	1.22E-01	7.66E+00	1.10E+00	6.20E-02	8.94E+00
1962	495511.06	3859351.99	1.45374	0.70499	9.5495	1.0444	1.11E-01	7.52E+00	1.06E+00	5.97E-02	8.75E+00	1.08E-01	3.18E-05	1.06E-01	1.17E-02	2.25E-01	1.21E-01	7.52E+00	1.06E+00	5.97E-02	8.76E+00
1963	495561.06	3859351.99	1.44095	0.6957	9.2013	1.01492	1.10E-01	7.42E+00	1.02E+00	5.80E-02	8.61E+00	1.07E-01	3.14E-05	1.02E-01	1.14E-02	2.20E-01	1.20E-01	7.42E+00	1.02E+00	5.80E-02	8.62E+00
1964	495611.06	3859351.99	1.43475	0.68919	8.9003	0.99612	1.09E-01	7.35E+00	9.84E-01	5.70E-02	8.51E+00	1.06E-01	3.11E-05	9.84E-02	1.12E-02	2.16E-01	1.19E-01	7.35E+00	9.84E-01	5.70E-02	8.51E+00
1965	495661.06	3859351.99	1.40809	0.67691	8.4734	0.9502	1.07E-01	7.22E+00	9.37E-01	5.43E-02	8.32E+00	1.04E-01	3.05E-05	9.37E-02	1.06E-02	2.09E-01	1.17E-01	7.22E+00	9.37E-01	5.43E-02	8.33E+00
1966	494311.06	3859401.99	2.30626	1.29321	9.4711	0.99986	1.76E-01	1.38E+01	1.05E+00	5.72E-02	1.51E+01	1.71E-01	5.83E-05	1.05E-01	1.12E-02	2.87E-01	1.91E-01	1.38E+01	1.05E+00	5.72E-02	1.51E+01
1967	494361.06	3859401.99	2.24376	0.98827	10.229	1.04697	1.71E-01	1.05E+01	1.13E+00	5.99E-02	1.19E+01	1.66E-01	4.45E-05	1.13E-01	1.17E-02	2.91E-01	1.86E-01	1.05E+01	1.13E+00	5.99E-02	1.19E+01
1968	494411.06	3859401.99	2.17608	0.96273	10.996	1.09553	1.66E-01	1.03E+01	1.22E+00	6.26E-02	1.17E+01	1.61E-01	4.34E-05	1.22E-01	1.23E-02	2.95E-01	1.81E-01	1.03E+01	1.22E+00	6.26E-02	1.17E+01
1969	494461.06	3859401.99	2.11168	0.94485	11.466	1.12883	1.61E-01	1.01E+01	1.27E+00	6.46E-02	1.16E+01	1.56E-01	4.26E-05	1.27E-01	1.26E-02	2.96E-01	1.75E-01	1.01E+01	1.27E+00	6.46E-02	1.16E+01
1970	494511.06	3859401.99	2.0509	0.93404	11.669	1.15071	1.56E-01	9.97E+00	1.29E+00	6.58E-02	1.15E+01	1.52E-01	4.21E-05	1.29E-01	1.29E-02	2.94E-01	1.70E-01	9.97E+00	1.29E+00	6.58E-02	1.15E+01
1971	494561.06	3859401.99	2.00659	0.92047	11.945	1.17389	1.53E-01	9.82E+00	1.32E+00	6.71E-02	1.14E+01	1.49E-01	4.15E-05	1.32E-01	1.31E-02	2.94E-01	1.67E-01	9.82E+00	1.32E+00	6.71E-02	1.14E+01
1972	494611.06	3859401.99	1.96312	0.90289	12.322	1.19749	1.50E-01	9.64E+00	1.36E+00	6.85E-02	1.12E+01	1.45E-01	4.07E-05	1.36E-01	1.34E-02	2.95E-01	1.63E-01	9.64E+00	1.36E+00	6.85E-02	1.12E+01
1973	494661.06	3859401.99	1.92598	0.8912	12.477	1.21337	1.47E-01	9.51E+00	1.38E+00	6.94E-02	1.11E+01	1.43E-01	4.02E-05	1.38E-01	1.36E-02	2.94E-01	1.60E-01	9.51E+00	1.38E+00	6.94E-02	1.11E+01
1974	494711.06	3859401.99	1.88265	0.87636	12.694	1.22791	1.43E-01	9.35E+00	1.40E+00	7.02E-02	1.10E+01	1.39E-01	3.95E-05	1.40E-01	1.37E-02	2.94E-01	1.56E-01	9.35E+00	1.40E+00	7.02E-02	1.10E+01
1975	494761.06	3859401.99	1.81551	0.84486	13.229	1.26567	1.38E-01	9.02E+00	1.46E+00	7.24E-02	1.07E+01	1.34E-01	3.81E-05	1.46E-01	1.42E-02	2.95E-01	1.51E-01	9.02E+00	1.46E+00	7.24E-02	1.07E+01
1976	494811.06	3859401.99	1.7522	0.82619	13.407	1.23157	1.34E-01	8.82E+00	1.48E+00	7.04E-02	1.05E+01	1.30E-01	3.72E-05	1.48E-01	1.38E-02	2.92E-01	1.45E-01	8.82E+00	1.48E+00	7.04E-02	1.05E+01
1977	494861.06	3859401.99	1.69463	0.80001	13.541	1.20908	1.29E-01	8.54E+00	1.50E+00	6.91E-02	1.02E+01	1.25E-01	3.61E-05	1.50E-01	1.35E-02	2.89E-01	1.41E-01	8.54E+00	1.50E+00	6.91E-02	1.02E+01
1978	494911.06	3859401.99	1.65863	0.78109	13.494	1.21109	1.26E-01	8.34E+00	1.49E+00	6.93E-02	1.00E+01	1.23E-01	3.52E-05	1.49E-01	1.36E-02	2.86E-01	1.38E-01	8.34E+00	1.49E+00	6.93E-02	1.00E+01
1979	494961.06	3859401.99	1.63612	0.77693	13.286	1.18881	1.25E-01	8.29E+00	1.47E+00	6.80E-02	9.95E+00	1.21E-01	3.50E-05	1.47E-01	1.33E-02	2.81E-01	1.36E-01	8.29E+00	1.47E+00	6.80E-02	9.96E+00
1980	495011.06	3859401.99	1.62167	0.77184	13.1	1.18959	1.24E-01	8.24E+00	1.45E+00	6.80E-02	9.88E+00	1.20E-01	3.48E-05	1.45E-01	1.33E-02	2.78E-01	1.35E-01	8.24E+00	1.45E+00	6.80E-02	9.89E+00
1981	495061.06	3859401.99	1.61601	0.76593	12.976	1.22211	1.23E-01	8.17E+00	1.43E+00	6.99E-02	9.80E+00	1.20E-01	3.45E-05	1.43E-01	1.37E-02	2.77E-01	1.34E-01	8.17E+00	1.43E+00	6.99E-02	9.81E+00
1982	495111.06	3859401.99	1.58452	0.75316	12.774	1.20057	1.21E-01	8.04E+00	1.41E+00	6.87E-02	9.64E+00	1.17E-01	3.40E-05	1.41E-01	1.34E-02	2.72E-01	1.32E-01	8.04E+00	1.41E+00	6.87E-02	9.65E+00
1983	495161.06	3859401.99	1.5732	0.75313	12.483	1.17796	1.20E-01	8.04E+00	1.38E+00	6.74E-02	9.60E+00	1.16E-01	3.40E-05	1.38E-01	1.32E-02	2.68E-01	1.31E-01	8.04E+00	1.38E+00	6.74E-02	9.62E+00
1984	495211.06	3859401.99	1.56911	0.75179	12.266	1.18548	1.20E-01	8.02E+00	1.36E+00	6.78E-02	9.57E+00	1.16E-01	3.39E-05	1.36E-01	1.33E-02	2.65E-01	1.30E-01	8.02E+00	1.36E+00	6.78E-02	9.58E+00
1985	495261.06	3859401.99	1.55448	0.74583	12.039	1.18002	1.18E-01	7.96E+00	1.33E+00	6.75E-02	9.48E+00	1.15E-01	3.36E-05	1.33E-01	1.32E-02	2.61E-01	1.29E-01	7.96E+00	1.33E+00	6.75E-02	9.49E+00
1986	495311.06	3859401.99	1.53819	0.7389	11.802	1.17093	1.17E-01	7.89E+00	1.30E+00	6.70E-02	9.37E+00	1.14E-01	3.33E-05	1.30E-01	1.31E-02	2.58E-01	1.28E-01	7.89E+00	1.30E+00	6.70E-02	9.38E+00
1987	495361.06	3859401.99	1.53702	0.73856	11.575	1.17981	1.17E-01	7.88E+00	1.28E+00	6.75E-02	9.35E+00	1.14E-01	3.33E-05	1.28E-01	1.32E-02	2.55E-01	1.28E-01	7.88E+00	1.28E+00	6.75E-02	9.36E+00
1988	495411.06	3859401.99	1.52637	0.73406	11.336	1.17642	1.16E-01	7.83E+00	1.25E+00	6.73E-02	9.27E+00	1.13E-01	3.31E-05	1.25E-01	1.32E-02	2.52E-01	1.27E-01	7.83E+00	1.25E+00	6.73E-02	9.28E+00
1989	495461.06	3859401.99	1.5058	0.72529	11.085	1.16001	1.15E-01	7.74E+00	1.23E+00	6.63E-02	9.15E+00	1.11E-01	3.27E-05	1.23E-01	1.30E-02	2.47E-01	1.25E-01	7.74E+00	1.23E+00	6.63E-02	9.16E+00
1990	495511.06	3859401.99	1.476	0.71256	10.795	1.12889	1.13E-01	7.60E+00	1.19E+00	6.46E-02	8.97E+00	1.09E-01	3.21E-05	1.19E-01	1.26E-02	2.41E-01	1.23E-01	7.60E+00	1.19E+00	6.46E-02	8.98E+00
1991	495561.06	3859401.99	1.45391	0.69799	10.446	1.08678	1.11E-01	7.45E+00	1.15E+00	6.21E-02	8.78E+00	1.08E-01	3.15E-05	1.15E-01	1.22E-02	2.35E-01	1.21E-01	7.45E+00	1.15E+00	6.21E-02	8.79E+00
1992	495611.06	3859401.99	1.44953	0.69002	10.15	1.06648	1.10E-01	7.36E+00	1.12E+00	6.10E-02	8.66E+00	1.07E-01	3.11E-05	1.12E-01	1.19E-02	2.31E-01	1.20E-01	7.36E+00	1.12E+00	6.10E-02	8.67E+00
1993	495661.06	3859401.99	1.44788	0.68339	9.8676	1.0504	1.10E-01	7.29E+00	1.09E+00	6.01E-02	8.55E+00	1.07E-01	3.08E-05	1.09E-01	1.18E-02	2.28E-01	1.20E-01	7.29E+00	1.09E+00	6.01E-02	8.56E+00
1994	494311.06	3859451.99	2.4031	1.29629	8.2481	0.99019	1.83E-01	1.38E+01	9.12E-01	5.66E-02	1.50E+01	1.78E-01	5.84E-05	9.12E-02	1.11E-02	2.80E-01	2.00E-01	1.38E+01	9.12E-01	5.66E-02	1.50E+01
1995	494361.06	3859451.99	2.35073	1.2733	8.926	1.00781	1.79E-01	1.36E+01	9.87E-01	5.76E-02	1.48E+01	1.74E-01	5.74E-05	9.87E-02	1.13E-02	2.84E-01	1.95E-01	1.36E+01	9.87E-01	5.76E-02	1.48E+01
1996	494411.06	3859451.99	2.28546	0.96929	9.9933	1.03174	1.74E-01	1.03E+01	1.10E+00	5.90E-02	1.17E+01	1.69E-01	4.37E-05	1.10E-01	1.15E-02	2.91E-01	1.90E-01	1.03E+01	1.10E+00	5.90E-02	1.17E+01
1997	494461.06	3859451.99	2.23714	0.96071	10.181	1.04449	1.71E-01	1.03E+01	1.13E+00	5.97E-02	1.16E+01	1.66E-01	4.33E-05	1.13E-01	1.17E-02	2.90E-01	1.86E-01	1.03E+01	1.13E+00	5.97E-02	1.16E+01
1998	494511.06	3859451.99	2.17769	0.94301	10.679	1.07307	1.66E-01	1.01E+01	1.18E+00	6.14E-02	1.15E+01	1.61E-01	4.25E-05	1.18E-01	1.20E-02	2.91E-01	1.81E-01	1.01E+01	1.18E+00	6.14E-02	1.15E+01
1999	494561.06	3859451.99	2.11956	0.92937	11.019	1.09195	1.62E-01	9.92E+00	1.22E+00	6.24E-02	1.14E+01	1.57E-01	4.19E-05	1.22E-01	1.22E-02	2.91E-01	1.76E-01	9.92E+00	1.22E+00	6.24E-02	1.14E+01
2000	494611.06	3859451.99	2.06533	0.92243	11.105	1.10487	1.57E-01	9.84E+00	1.23E+00	6.32E-02	1.13E+01	1.53E-01	4.16E-05	1.23E-01	1.24E-02	2.88E-01	1.71E-01	9.84E+00	1.23E+00	6.32E-02	1.13E+01
2001	494661.06	3859451.99	2.0007	0.90339	11.598	1.13579	1.52E-01	9.64E+00	1.28E+00	6.49E-02	1.11E+01	1.48E-01	4.07E-05	1.28E-01	1.27E-02	2.89E-01	1.66E-01	9.64E+00	1.28E+00	6.49E-02	1.12E+01
2002	494711.06	3859451.99	1.9575	0.88447	12.049	1.16183	1.49E-01	9.44E+00	1.33E+00	6.64E-02	1.10E+01	1.45E-01	3.99E-05	1.33E-01	1.30E-02	2.91E-01	1.63E-01	9.44E+00	1.33E+00	6.64E-02	1.10E+01
2003	494761.06	3859451.99	1.91681	0.86921	12.344	1.18077	1.46E-01	9.28E+00	1.36E+00	6.75E-02	1.09E+01	1.42E-01	3.92E-05	1.36E-01	1.32E-02	2.92E-01	1.59E-01	9.28E+00	1.36E+00	6.75E-02	1.09E+01
2004	494811.06	3859451.99	1.85927	0.84499	12.846	1.19699	1.42E-01	9.02E+00	1.42E+00	6.84E-02	1.06E+01	1.38E-01	3.81E-05	1.42E-01	1.34E-02	2.93E-01	1.54E-01	9.02E+00	1.42E+00	6.84E-02	1.07E+01
2005	494861.06	3859451.99	1.80589	0.82578	13.13	1.20389	1.38E-01	8.81E+00	1.45E+00	6.88E-02	1.05E+01	1.34E-01	3.72E-05	1.45E-01	1.35E-02	2.92E-01	1.50E-01	8.81E+00	1.45E+00	6.88E-02	1.05E+01
2006	494911.06	3859451.99	1.75989	0.81174	13.238	1.20739	1.34E-01	8.66E+00	1.46E+00	6.90E-02	1.03E+01	1.30E-01	3.66E-05	1.46E-01	1.35E-02	2.90E-01	1.46E-01	8.66E+00	1.46E+00	6.90E-02	1.03E+01
2007	494961.06	3859451.99	1.72931	0.80407	13.193	1.21312	1.32E-01	8.58E+00	1.46E+00	6.94E-02	1.02E+01	1.28E-01	3.62E-05	1.46E-01	1.36E-02	2.88E-01	1.44E-01	8.58E+00	1.46E+00	6.94E-02	1.03E+01
2008	495011.06	3859451.99	1.707	0.79399	13.17	1.21497	1.30E-01	8.47E+00	1.46E+00	6.95E-02	1.01E+01	1.26E-01	3.58E-05	1.46E-01	1.36E-02	2.86E-01	1.42E-01	8.47E+00	1.46E+00	6.95E-02	1.01E+01
2009	495061.06	3859451.99	1.6847	0.78401	13.12	1.21481	1.28E-01	8.37E+00	1.45E+00	6.95E-02	1.00E+01	1.25E-01	3.53E-05	1.45E-01	1.36E-02	2.83E-01	1.40E-01	8.37E+00	1.45E+00	6.95E-02	1.00E+01

2010	495111.06	3859451.99	1.66151	0.77375	13.049	1.212	1.27E-01	8.26E+00	1.44E+00	6.93E-02	9.90E+00	1.23E-01	3.49E-05	1.44E-01	1.36E-02	2.81E-01	1.38E-01	8.26E+00	1.44E+00	6.93E-02	9.91E+00
2011	495161.06	3859451.99	1.65086	0.76936	12.892	1.21672	1.26E-01	8.21E+00	1.43E+00	6.96E-02	9.83E+00	1.22E-01	3.47E-05	1.43E-01	1.36E-02	2.78E-01	1.37E-01	8.21E+00	1.43E+00	6.96E-02	9.84E+00
2012	495211.06	3859451.99	1.64409	0.76671	12.704	1.22337	1.25E-01	8.18E+00	1.40E+00	7.00E-02	9.78E+00	1.22E-01	3.46E-05	1.40E-01	1.37E-02	2.76E-01	1.36E-01	8.18E+00	1.40E+00	7.00E-02	9.79E+00
2013	495261.06	3859451.99	1.63535	0.76313	12.516	1.2278	1.25E-01	8.14E+00	1.38E+00	7.02E-02	9.72E+00	1.21E-01	3.44E-05	1.38E-01	1.37E-02	2.73E-01	1.36E-01	8.14E+00	1.38E+00	7.02E-02	9.73E+00
2014	495311.06	3859451.99	1.61791	0.75514	12.372	1.22444	1.23E-01	8.06E+00	1.37E+00	7.00E-02	9.62E+00	1.20E-01	3.40E-05	1.37E-01	1.37E-02	2.70E-01	1.34E-01	8.06E+00	1.37E+00	7.00E-02	9.63E+00
2015	495361.06	3859451.99	1.60447	0.74896	12.197	1.2229	1.22E-01	7.99E+00	1.35E+00	6.99E-02	9.53E+00	1.19E-01	3.38E-05	1.35E-01	1.37E-02	2.67E-01	1.33E-01	7.99E+00	1.35E+00	6.99E-02	9.54E+00
2016	495411.06	3859451.99	1.58667	0.74061	12.034	1.21628	1.21E-01	7.90E+00	1.33E+00	6.96E-02	9.42E+00	1.17E-01	3.34E-05	1.33E-01	1.36E-02	2.64E-01	1.32E-01	7.90E+00	1.33E+00	6.96E-02	9.44E+00
2017	495461.06	3859451.99	1.57214	0.73403	11.845	1.21181	1.20E-01	7.83E+00	1.31E+00	6.93E-02	9.33E+00	1.16E-01	3.31E-05	1.31E-01	1.36E-02	2.61E-01	1.31E-01	7.83E+00	1.31E+00	6.93E-02	9.34E+00
2018	495511.06	3859451.99	1.53895	0.71876	11.688	1.18563	1.17E-01	7.67E+00	1.29E+00	6.78E-02	9.15E+00	1.14E-01	3.24E-05	1.29E-01	1.33E-02	2.56E-01	1.28E-01	7.67E+00	1.29E+00	6.78E-02	9.16E+00
2019	495561.06	3859451.99	1.51787	0.70929	11.476	1.16997	1.16E-01	7.57E+00	1.27E+00	6.69E-02	9.02E+00	1.12E-01	3.20E-05	1.27E-01	1.31E-02	2.52E-01	1.26E-01	7.57E+00	1.27E+00	6.69E-02	9.03E+00
2020	495611.06	3859451.99	1.49694	0.70029	11.248	1.15345	1.14E-01	7.47E+00	1.24E+00	6.60E-02	8.90E+00	1.11E-01	3.16E-05	1.24E-01	1.29E-02	2.48E-01	1.24E-01	7.47E+00	1.24E+00	6.60E-02	8.91E+00
2021	495661.06	3859451.99	1.4775	0.69205	11.008	1.13742	1.13E-01	7.39E+00	1.22E+00	6.50E-02	8.78E+00	1.09E-01	3.12E-05	1.22E-01	1.27E-02	2.44E-01	1.23E-01	7.39E+00	1.22E+00	6.50E-02	8.79E+00
2022	494311.06	3859501.99	2.48477	1.30655	6.7636	0.97156	1.89E-01	1.39E+01	7.48E-01	5.56E-02	1.49E+01	1.84E-01	5.89E-05	7.48E-02	1.09E-02	2.70E-01	2.06E-01	1.39E+01	7.48E-01	5.56E-02	1.50E+01
2023	494361.06	3859501.99	2.44057	1.28251	7.4308	0.99869	1.86E-01	1.37E+01	8.22E-01	5.71E-02	1.48E+01	1.81E-01	5.78E-05	8.22E-02	1.12E-02	2.74E-01	2.03E-01	1.37E+01	8.22E-01	5.71E-02	1.48E+01
2024	494411.06	3859501.99	2.3784	1.23895	8.7631	1.04035	1.81E-01	1.32E+01	9.69E-01	5.95E-02	1.44E+01	1.76E-01	5.59E-05	9.69E-02	1.16E-02	2.85E-01	1.97E-01	1.32E+01	9.69E-01	5.95E-02	1.44E+01
2025	494461.06	3859501.99	2.34492	1.24158	8.6032	1.03083	1.79E-01	1.32E+01	9.51E-01	5.89E-02	1.44E+01	1.74E-01	5.60E-05	9.51E-02	1.15E-02	2.80E-01	1.95E-01	1.32E+01	9.51E-01	5.89E-02	1.45E+01
2026	494511.06	3859501.99	2.2913	0.95552	9.2367	1.04165	1.75E-01	1.02E+01	1.02E+00	5.96E-02	1.15E+01	1.70E-01	4.31E-05	1.02E-01	1.17E-02	2.83E-01	1.90E-01	1.02E+01	1.02E+00	5.96E-02	1.15E+01
2027	494561.06	3859501.99	2.23777	0.93772	9.7382	1.04585	1.71E-01	1.00E+01	1.08E+00	5.98E-02	1.13E+01	1.66E-01	4.23E-05	1.08E-01	1.17E-02	2.85E-01	1.86E-01	1.00E+01	1.08E+00	5.98E-02	1.13E+01
2028	494611.06	3859501.99	2.19821	0.94954	9.5016	1.03879	1.68E-01	1.01E+01	1.05E+00	5.94E-02	1.14E+01	1.63E-01	4.28E-05	1.05E-01	1.16E-02	2.79E-01	1.82E-01	1.01E+01	1.05E+00	5.94E-02	1.14E+01
2029	494661.06	3859501.99	2.13454	0.91704	10.209	1.05122	1.63E-01	9.79E+00	1.13E+00	6.01E-02	1.11E+01	1.58E-01	4.13E-05	1.13E-01	1.18E-02	2.83E-01	1.77E-01	9.79E+00	1.13E+00	6.01E-02	1.12E+01
2030	494711.06	3859501.99	2.06231	0.88945	11.044	1.09397	1.57E-01	9.49E+00	1.22E+00	6.26E-02	1.09E+01	1.53E-01	4.01E-05	1.22E-01	1.22E-02	2.87E-01	1.71E-01	9.49E+00	1.22E+00	6.26E-02	1.09E+01
2031	494761.06	3859501.99	2.01092	0.88547	11.026	1.09426	1.53E-01	9.45E+00	1.22E+00	6.26E-02	1.09E+01	1.49E-01	3.99E-05	1.22E-01	1.22E-02	2.83E-01	1.67E-01	9.45E+00	1.22E+00	6.26E-02	1.09E+01
2032	494811.06	3859501.99	1.9364	0.85111	12.021	1.13522	1.48E-01	9.08E+00	1.33E+00	6.49E-02	1.06E+01	1.43E-01	3.84E-05	1.33E-01	1.27E-02	2.89E-01	1.61E-01	9.08E+00	1.33E+00	6.49E-02	1.06E+01
2033	494861.06	3859501.99	1.9004	0.83835	12.257	1.14937	1.45E-01	8.95E+00	1.36E+00	6.57E-02	1.05E+01	1.41E-01	3.78E-05	1.36E-01	1.29E-02	2.89E-01	1.58E-01	8.95E+00	1.36E+00	6.57E-02	1.05E+01
2034	494911.06	3859501.99	1.87098	0.83083	12.316	1.16257	1.43E-01	8.87E+00	1.36E+00	6.65E-02	1.04E+01	1.39E-01	3.75E-05	1.36E-01	1.30E-02	2.88E-01	1.55E-01	8.87E+00	1.36E+00	6.65E-02	1.04E+01
2035	494961.06	3859501.99	1.82539	0.81465	12.602	1.17538	1.39E-01	8.69E+00	1.39E+00	6.72E-02	1.03E+01	1.35E-01	3.67E-05	1.39E-01	1.32E-02	2.88E-01	1.52E-01	8.69E+00	1.39E+00	6.72E-02	1.03E+01
2036	495011.06	3859501.99	1.79419	0.80776	12.608	1.18586	1.37E-01	8.62E+00	1.39E+00	6.78E-02	1.02E+01	1.33E-01	3.64E-05	1.39E-01	1.33E-02	2.86E-01	1.49E-01	8.62E+00	1.39E+00	6.78E-02	1.02E+01
2037	495061.06	3859501.99	1.76253	0.80122	12.59	1.19538	1.34E-01	8.55E+00	1.39E+00	6.84E-02	1.01E+01	1.30E-01	3.61E-05	1.39E-01	1.34E-02	2.83E-01	1.46E-01	8.55E+00	1.39E+00	6.84E-02	1.02E+01
2038	495111.06	3859501.99	1.72272	0.78624	12.764	1.20054	1.31E-01	8.39E+00	1.41E+00	6.87E-02	1.00E+01	1.28E-01	3.54E-05	1.41E-01	1.34E-02	2.82E-01	1.43E-01	8.39E+00	1.41E+00	6.87E-02	1.00E+01
2039	495161.06	3859501.99	1.7101	0.78039	12.698	1.20789	1.30E-01	8.33E+00	1.40E+00	6.91E-02	9.93E+00	1.27E-01	3.52E-05	1.40E-01	1.35E-02	2.81E-01	1.42E-01	8.33E+00	1.40E+00	6.91E-02	9.94E+00
2040	495211.06	3859501.99	1.70376	0.77797	12.541	1.21628	1.30E-01	8.30E+00	1.39E+00	6.96E-02	9.89E+00	1.26E-01	3.51E-05	1.39E-01	1.36E-02	2.78E-01	1.41E-01	8.30E+00	1.39E+00	6.96E-02	9.90E+00
2041	495261.06	3859501.99	1.69105	0.77175	12.459	1.22168	1.29E-01	8.24E+00	1.38E+00	6.99E-02	9.81E+00	1.25E-01	3.48E-05	1.38E-01	1.37E-02	2.77E-01	1.40E-01	8.24E+00	1.38E+00	6.99E-02	9.82E+00
2042	495311.06	3859501.99	1.68083	0.76714	12.328	1.22705	1.28E-01	8.19E+00	1.36E+00	7.02E-02	9.75E+00	1.24E-01	3.46E-05	1.36E-01	1.37E-02	2.75E-01	1.40E-01	8.19E+00	1.36E+00	7.02E-02	9.76E+00
2043	495361.06	3859501.99	1.66544	0.75963	12.255	1.22969	1.27E-01	8.11E+00	1.35E+00	7.03E-02	9.66E+00	1.23E-01	3.42E-05	1.35E-01	1.38E-02	2.73E-01	1.38E-01	8.11E+00	1.35E+00	7.03E-02	9.67E+00
2044	495411.06	3859501.99	1.65127	0.838	12.157	1.23152	1.26E-01	8.94E+00	1.34E+00	7.04E-02	1.05E+01	1.22E-01	3.78E-05	1.34E-01	1.38E-02	2.70E-01	1.37E-01	8.94E+00	1.34E+00	7.04E-02	1.05E+01
2045	495461.06	3859501.99	1.63345	0.74392	12.084	1.23052	1.25E-01	7.94E+00	1.34E+00	7.04E-02	9.47E+00	1.21E-01	3.35E-05	1.34E-01	1.38E-02	2.68E-01	1.36E-01	7.94E+00	1.34E+00	7.04E-02	9.48E+00
2046	495511.06	3859501.99	1.5975	0.72352	12.179	1.23392	1.22E-01	7.72E+00	1.35E+00	7.06E-02	9.26E+00	1.18E-01	3.26E-05	1.35E-01	1.38E-02	2.67E-01	1.33E-01	7.72E+00	1.35E+00	7.06E-02	9.27E+00
2047	495561.06	3859501.99	1.5865	0.72121	11.972	1.21507	1.21E-01	7.70E+00	1.32E+00	6.95E-02	9.21E+00	1.17E-01	3.25E-05	1.32E-01	1.36E-02	2.63E-01	1.32E-01	7.70E+00	1.32E+00	6.95E-02	9.22E+00
2048	495611.06	3859501.99	1.56518	0.7113	11.856	1.20503	1.19E-01	7.59E+00	1.31E+00	6.89E-02	9.09E+00	1.16E-01	3.21E-05	1.31E-01	1.35E-02	2.60E-01	1.30E-01	7.59E+00	1.31E+00	6.89E-02	9.10E+00
2049	495661.06	3859501.99	1.54112	0.7005	11.724	1.19008	1.17E-01	7.48E+00	1.30E+00	6.81E-02	8.96E+00	1.14E-01	3.16E-05	1.30E-01	1.33E-02	2.57E-01	1.28E-01	7.48E+00	1.30E+00	6.81E-02	8.97E+00
2050	494311.06	3859551.99	2.54567	1.31373	6.2604	0.94563	1.94E-01	1.40E+01	6.92E-01	5.41E-02	1.50E+01	1.88E-01	5.92E-05	6.92E-02	1.06E-02	2.68E-01	2.11E-01	1.40E+01	6.92E-01	5.41E-02	1.50E+01
2051	494361.06	3859551.99	2.50839	1.28327	6.7519	0.99486	1.91E-01	1.37E+01	7.46E-01	5.69E-02	1.47E+01	1.86E-01	5.78E-05	7.46E-02	1.11E-02	2.72E-01	2.08E-01	1.37E+01	7.46E-01	5.69E-02	1.47E+01
2052	494411.06	3859551.99	2.45521	1.2378	7.8657	1.0508	1.87E-01	1.32E+01	8.70E-01	6.01E-02	1.43E+01	1.82E-01	5.58E-05	8.70E-02	1.18E-02	2.81E-01	2.04E-01	1.32E+01	8.70E-01	6.01E-02	1.43E+01
2053	494461.06	3859551.99	2.42992	1.24763	7.2717	1.02624	1.85E-01	1.33E+01	8.04E-01	5.87E-02	1.44E+01	1.80E-01	5.62E-05	8.04E-02	1.15E-02	2.72E-01	2.02E-01	1.33E+01	8.04E-01	5.87E-02	1.44E+01
2054	494511.06	3859551.99	2.38475	1.22649	7.7189	1.04462	1.82E-01	1.31E+01	8.53E-01	5.97E-02	1.42E+01	1.77E-01	5.53E-05	8.53E-02	1.17E-02	2.74E-01	1.98E-01	1.31E+01	8.53E-01	5.97E-02	1.42E+01
2055	494561.06	3859551.99	2.34023	1.21122	8.1427	1.05294	1.78E-01	1.29E+01	9.00E-01	6.02E-02	1.41E+01	1.73E-01	5.46E-05	9.00E-02	1.18E-02	2.75E-01	1.94E-01	1.29E+01	9.00E-01	6.02E-02	1.41E+01
2056	494611.06	3859551.99	2.29884	1.20377	8.3035	1.05213	1.75E-01	1.28E+01	9.18E-01	6.02E-02	1.40E+01	1.70E-01	5.43E-05	9.18E-02	1.18E-02	2.74E-01	1.91E-01	1.28E+01	9.18E-01	6.02E-02	1.40E+01
2057	494661.06	3859551.99	2.25114	1.19127	8.6327	1.0561	1.72E-01	1.27E+01	9.54E-01	6.04E-02	1.39E+01	1.67E-01	5.37E-05	9.54E-02	1.18E-02	2.74E-01	1.87E-01	1.27E+01	9.54E-01	6.04E-02	1.39E+01
2058	494711.06	3859551.99	2.1741	0.88469	10.031	1.07036	1.66E-01	9.44E+00	1.11E+00	6.12E-02	1.08E+01	1.61E-01	3.99E-05	1.11E-01	1.20E-02	2.84E-01	1.80E-01	9.44E+00	1.11E+00	6.12E-02	1.08E+01
2059	494761.06	3859551.99	2.1416	0.90921	9.5945	1.06522	1.63E-01	9.70E+00	1.06E+00	6.09E-02	1.10E+01	1.59E-01	4.10E-05	1.06E-01	1.19E-02	2.77E-01	1.78E-01	9.70E+00	1.06E+00	6.09E-02	1.10E+01
2060	494811.06	3859551.99	2.06984	0.86411	10.523	1.07034	1.58E-01	9.22E+00	1.16E+00	6.12E-02	1.06E+01	1.53E-01	3.90E-05	1.16E-01	1.20E-02	2.82E-01	1.72E-01	9.22E+00	1.16E+00	6.12E-02	1.06E+01
2061	494861.06	3859551.99	2.01155	0.8518	10.826	1.08535	1.53E-01	9.09E+00	1.20E+00	6.21E-02	1.05E+01	1.49E-01	3.84E-05	1.20E-01	1.21E-02	2.81E-01	1.67E-01	9.09E+00	1.20E+00	6.21E-02	1.05E+01
2062	494911.06	3859551.99	1.94748	0.83677	11.215	1.10271	1.48E-01	8.93E+00	1.24E+00	6.31E-02	1.04E+01	1.44E-01	3.77E-05	1.24E-01	1.23E-02	2.81E-01	1.62E-01	8.93E+00	1.24E+00	6.31E-02	1.04E+01
2063	494961.06	3859551.99	1.9214	0.82961	11.313	1.10707	1.46E-01	8.85E+00	1.25E+00	6.33E-02	1.03E+01	1.42E-01	3.74E-05	1.25E-01	1.24E-02	2.80E-01	1.60E-01	8.85E+00	1.25E+00	6.33E-02	1.03E+01
2064	495011.06	3859551.99	1.89667	0.82519	11.328	1.11692	1.45E-01	8.81E+00	1.25E+00	6.39E-02	1.03E+01	1.40E-01	3.72E-05	1.25E-01	1.25E-02	2.78E-01	1.57E-01	8.81E+00	1.25E+00	6.39E-02	1.03E+01
2065	495061.06	3859551.99	1.86216	0.8138	11.529	1.13391	1.42E-01	8.68E+00	1.27E+00	6.48E-02	1.02E+01	1.38E-01	3.67E-05	1.27E-01	1.27E-02	2.78E-01	1.55E-01	8.68E+00	1.27E+00	6.48E-02	1.02E+01
2066	495111.06	3859551.99	1.82132	0.79998	11.816	1.15099	1.39E-01	8.54E+00	1.31E+00	6.58E-02	1.00E+01	1.35E-01	3.61E-05	1.31E-01	1.29E-02	2.78E-01	1.51E-01	8.54E+00	1.31E+00	6.58E-02	1.01E+01
2067	495161.06	3859551.99	1.79325	0.79669	11.783	1.16157	1.37E-01	8.50E+00	1.30E+00	6.64E-02	1.00E+01	1.33E-01	3.59E-05	1.30E-01	1.30E-02	2.76E-01	1.49E-01	8.50E+00	1.30E+00	6.64E-02	1.00E+01
2068	495211.06	3859551.99	1.76699	0.80255	11.664	1.17004	1.35E-01	8.56E+00	1.29E+00	6.69E-02	1.01E+01	1.31E-01	3.62E-05	1.29E-01	1.31E-02	2.73E-01	1.47E-01	8.56E+00	1.29E+00	6.69E-02	1.01E+01
2069	495261.06	3859551.99	1.73919	0.79016	11.809	1.1821	1.33E-01	8.43E+00	1.31E+00	6.76E-02	9.94E+00	1.29E-01	3.56E-05	1.31E-01	1.32E-02	2.73E-01	1.44E-01	8.43E+00	1.31E+00	6.76E-02	9.95E+00
2070	495311.06	3859551.99	1.72449	0.7832	11.854	1.19149	1.31E-01	8.36E+00	1.31E+00	6.81E-02	9.87E+00	1.28E-01	3.53E-05	1.31E-01	1.33E-02	2.72E-01	1.43E-01	8.36E+00	1.31E+00	6.81E-02	9.88E+00

2071	495361.06	3859551.99	1.7119	0.78023	11.828	1.19923	1.30E-01	8.33E+00	1.31E+00	6.86E-02	9.83E+00	1.27E-01	3.52E-05	1.31E-01	1.34E-02	2.71E-01	1.42E-01	8.33E+00	1.31E+00	6.86E-02	9.84E+00
2072	495411.06	3859551.99	1.70243	0.78115	11.734	1.2056	1.30E-01	8.34E+00	1.30E+00	6.89E-02	9.83E+00	1.26E-01	3.52E-05	1.30E-01	1.35E-02	2.69E-01	1.41E-01	8.34E+00	1.30E+00	6.89E-02	9.84E+00
2073	495461.06	3859551.99	1.6783	0.76112	11.909	1.21202	1.28E-01	8.12E+00	1.32E+00	6.93E-02	9.64E+00	1.24E-01	3.43E-05	1.32E-01	1.36E-02	2.70E-01	1.39E-01	8.12E+00	1.32E+00	6.93E-02	9.65E+00
2074	495511.06	3859551.99	1.65201	0.74021	12.052	1.21384	1.26E-01	7.90E+00	1.33E+00	6.94E-02	9.43E+00	1.22E-01	3.34E-05	1.33E-01	1.36E-02	2.69E-01	1.37E-01	7.90E+00	1.33E+00	6.94E-02	9.44E+00
2075	495561.06	3859551.99	1.63612	0.73243	12.017	1.21558	1.25E-01	7.82E+00	1.33E+00	6.95E-02	9.34E+00	1.21E-01	3.30E-05	1.33E-01	1.36E-02	2.68E-01	1.36E-01	7.82E+00	1.33E+00	6.95E-02	9.35E+00
2076	495611.06	3859551.99	1.61908	0.72372	11.974	1.21551	1.23E-01	7.72E+00	1.32E+00	6.95E-02	9.24E+00	1.20E-01	3.26E-05	1.32E-01	1.36E-02	2.66E-01	1.34E-01	7.72E+00	1.32E+00	6.95E-02	9.25E+00
2077	495661.06	3859551.99	1.59763	0.71162	11.958	1.21113	1.22E-01	7.59E+00	1.32E+00	6.93E-02	9.11E+00	1.18E-01	3.21E-05	1.32E-01	1.36E-02	2.64E-01	1.33E-01	7.59E+00	1.32E+00	6.93E-02	9.12E+00
2078	494311.06	3859601.99	2.58471	1.32439	5.6121	0.89728	1.97E-01	1.41E+01	6.20E-01	5.13E-02	1.50E+01	1.91E-01	5.97E-05	6.20E-02	1.00E-02	2.64E-01	2.15E-01	1.41E+01	6.20E-01	5.13E-02	1.50E+01
2079	494361.06	3859601.99	2.55332	1.27442	6.8661	0.99626	1.95E-01	1.36E+01	7.59E-01	5.70E-02	1.46E+01	1.89E-01	5.74E-05	7.59E-02	1.12E-02	2.76E-01	2.12E-01	1.36E+01	7.59E-01	5.70E-02	1.46E+01
2080	494411.06	3859601.99	2.51881	1.24899	7.4905	1.03384	1.92E-01	1.33E+01	8.28E-01	5.91E-02	1.44E+01	1.86E-01	5.63E-05	8.28E-02	1.16E-02	2.81E-01	2.09E-01	1.33E+01	8.28E-01	5.91E-02	1.44E+01
2081	494461.06	3859601.99	2.49655	1.25435	6.9087	1.0077	1.90E-01	1.34E+01	7.64E-01	5.76E-02	1.44E+01	1.85E-01	5.65E-05	7.64E-02	1.13E-02	2.73E-01	2.07E-01	1.34E+01	7.64E-01	5.76E-02	1.44E+01
2082	494511.06	3859601.99	2.45438	1.2241	7.5969	1.04992	1.87E-01	1.31E+01	8.40E-01	6.00E-02	1.42E+01	1.82E-01	5.52E-05	8.40E-02	1.18E-02	2.78E-01	2.04E-01	1.31E+01	8.40E-01	6.00E-02	1.42E+01
2083	494561.06	3859601.99	2.42577	1.22429	7.1837	1.03584	1.85E-01	1.31E+01	7.94E-01	5.92E-02	1.41E+01	1.80E-01	5.52E-05	7.94E-02	1.16E-02	2.71E-01	2.01E-01	1.31E+01	7.94E-01	5.92E-02	1.41E+01
2084	494611.06	3859601.99	2.39068	1.21773	7.0094	1.03351	1.82E-01	1.30E+01	7.75E-01	5.91E-02	1.40E+01	1.77E-01	5.49E-05	7.75E-02	1.16E-02	2.66E-01	1.98E-01	1.30E+01	7.75E-01	5.91E-02	1.40E+01
2085	494661.06	3859601.99	2.33908	1.18442	7.6536	1.07642	1.78E-01	1.26E+01	8.46E-01	6.16E-02	1.37E+01	1.73E-01	5.34E-05	8.46E-02	1.20E-02	2.70E-01	1.94E-01	1.26E+01	8.46E-01	6.16E-02	1.37E+01
2086	494711.06	3859601.99	2.2824	0.9109	8.3892	1.09178	1.74E-01	9.72E+00	9.28E-01	6.24E-02	1.09E+01	1.69E-01	4.11E-05	9.28E-02	1.22E-02	2.74E-01	1.89E-01	9.72E+00	9.28E-01	6.24E-02	1.09E+01
2087	494761.06	3859601.99	2.25834	1.17409	7.7253	1.06632	1.72E-01	1.25E+01	8.54E-01	6.10E-02	1.36E+01	1.67E-01	5.29E-05	8.54E-02	1.19E-02	2.65E-01	1.87E-01	1.25E+01	8.54E-01	6.10E-02	1.36E+01
2088	494811.06	3859601.99	2.19671	0.90613	8.7288	1.08859	1.67E-01	9.67E+00	9.65E-01	6.22E-02	1.09E+01	1.63E-01	4.08E-05	9.65E-02	1.22E-02	2.71E-01	1.82E-01	9.67E+00	9.65E-01	6.22E-02	1.09E+01
2089	494861.06	3859601.99	2.14664	0.89587	9.0165	1.08893	1.64E-01	9.56E+00	9.97E-01	6.23E-02	1.08E+01	1.59E-01	4.04E-05	9.97E-02	1.22E-02	2.71E-01	1.78E-01	9.56E+00	9.97E-01	6.23E-02	1.08E+01
2090	494911.06	3859601.99	2.08413	0.8622	9.6987	1.09051	1.59E-01	9.20E+00	1.07E+00	6.24E-02	1.05E+01	1.54E-01	3.89E-05	1.07E-01	1.22E-02	2.74E-01	1.73E-01	9.20E+00	1.07E+00	6.24E-02	1.05E+01
2091	494961.06	3859601.99	2.04277	0.88324	9.4279	1.0863	1.56E-01	9.43E+00	1.04E+00	6.21E-02	1.07E+01	1.51E-01	3.98E-05	1.04E-01	1.22E-02	2.68E-01	1.70E-01	9.43E+00	1.04E+00	6.21E-02	1.07E+01
2092	495011.06	3859601.99	1.97439	0.84653	10.146	1.0843	1.50E-01	9.03E+00	1.12E+00	6.20E-02	1.04E+01	1.46E-01	3.82E-05	1.12E-01	1.21E-02	2.71E-01	1.64E-01	9.03E+00	1.12E+00	6.20E-02	1.04E+01
2093	495061.06	3859601.99	1.94452	0.85509	10.068	1.08235	1.48E-01	9.13E+00	1.11E+00	6.19E-02	1.04E+01	1.44E-01	3.85E-05	1.11E-01	1.21E-02	2.67E-01	1.61E-01	9.13E+00	1.11E+00	6.19E-02	1.05E+01
2094	495111.06	3859601.99	1.90771	0.83337	10.5	1.07662	1.45E-01	8.89E+00	1.16E+00	6.16E-02	1.03E+01	1.41E-01	3.76E-05	1.16E-01	1.21E-02	2.69E-01	1.58E-01	8.89E+00	1.16E+00	6.16E-02	1.03E+01
2095	495161.06	3859601.99	1.88349	0.83633	10.493	1.08123	1.44E-01	8.93E+00	1.16E+00	6.18E-02	1.03E+01	1.39E-01	3.77E-05	1.16E-01	1.21E-02	2.68E-01	1.56E-01	8.93E+00	1.16E+00	6.18E-02	1.03E+01
2096	495211.06	3859601.99	1.8524	0.83042	10.625	1.09708	1.41E-01	8.86E+00	1.17E+00	6.27E-02	1.02E+01	1.37E-01	3.74E-05	1.17E-01	1.23E-02	2.67E-01	1.54E-01	8.86E+00	1.17E+00	6.27E-02	1.03E+01
2097	495261.06	3859601.99	1.82304	0.82911	10.665	1.1094	1.39E-01	8.85E+00	1.18E+00	6.34E-02	1.02E+01	1.35E-01	3.74E-05	1.18E-01	1.24E-02	2.65E-01	1.51E-01	8.85E+00	1.18E+00	6.34E-02	1.02E+01
2098	495311.06	3859601.99	1.79362	0.82959	10.661	1.11986	1.37E-01	8.85E+00	1.18E+00	6.40E-02	1.02E+01	1.33E-01	3.74E-05	1.18E-01	1.25E-02	2.63E-01	1.49E-01	8.85E+00	1.18E+00	6.40E-02	1.02E+01
2099	495361.06	3859601.99	1.75772	0.82069	10.806	1.13486	1.34E-01	8.76E+00	1.19E+00	6.49E-02	1.02E+01	1.30E-01	3.70E-05	1.19E-01	1.27E-02	2.62E-01	1.46E-01	8.76E+00	1.19E+00	6.49E-02	1.02E+01
2100	495411.06	3859601.99	1.74181	0.81973	10.801	1.14452	1.33E-01	8.75E+00	1.19E+00	6.54E-02	1.01E+01	1.29E-01	3.70E-05	1.19E-01	1.28E-02	2.61E-01	1.45E-01	8.75E+00	1.19E+00	6.54E-02	1.02E+01
2101	495461.06	3859601.99	1.71615	0.79121	11.236	1.16563	1.31E-01	8.44E+00	1.24E+00	6.67E-02	9.88E+00	1.27E-01	3.57E-05	1.24E-01	1.30E-02	2.64E-01	1.42E-01	8.44E+00	1.24E+00	6.67E-02	9.89E+00
2102	495511.06	3859601.99	1.69157	0.76742	11.548	1.17926	1.29E-01	8.19E+00	1.28E+00	6.74E-02	9.66E+00	1.25E-01	3.46E-05	1.28E-01	1.32E-02	2.66E-01	1.40E-01	8.19E+00	1.28E+00	6.74E-02	9.67E+00
2103	495561.06	3859601.99	1.68569	0.77255	11.414	1.18513	1.28E-01	8.24E+00	1.26E+00	6.78E-02	9.70E+00	1.25E-01	3.48E-05	1.26E-01	1.33E-02	2.64E-01	1.40E-01	8.24E+00	1.26E+00	6.78E-02	9.71E+00
2104	495611.06	3859601.99	1.6569	0.74363	11.741	1.19353	1.26E-01	7.94E+00	1.30E+00	6.83E-02	9.43E+00	1.23E-01	3.35E-05	1.30E-01	1.34E-02	2.66E-01	1.38E-01	7.94E+00	1.30E+00	6.83E-02	9.44E+00
2105	495661.06	3859601.99	1.64639	0.7417	11.682	1.19859	1.25E-01	7.92E+00	1.29E+00	6.85E-02	9.40E+00	1.22E-01	3.34E-05	1.29E-01	1.34E-02	2.64E-01	1.37E-01	7.92E+00	1.29E+00	6.85E-02	9.41E+00
2106	494311.06	3859651.99	2.59869	1.31853	5.3196	0.88449	1.98E-01	1.41E+01	5.88E-01	5.06E-02	1.49E+01	1.92E-01	5.94E-05	5.88E-02	9.90E-03	2.61E-01	2.16E-01	1.41E+01	5.88E-01	5.06E-02	1.49E+01
2107	494361.06	3859651.99	2.58173	1.27496	6.5266	0.98458	1.97E-01	1.36E+01	7.22E-01	5.63E-02	1.46E+01	1.91E-01	5.75E-05	7.22E-02	1.10E-02	2.74E-01	2.14E-01	1.36E+01	7.22E-01	5.63E-02	1.46E+01
2108	494411.06	3859651.99	2.56115	1.26003	6.7284	1.00188	1.95E-01	1.34E+01	7.44E-01	5.73E-02	1.44E+01	1.90E-01	5.68E-05	7.44E-02	1.12E-02	2.75E-01	2.13E-01	1.34E+01	7.44E-01	5.73E-02	1.45E+01
2109	494461.06	3859651.99	2.54229	1.26318	6.2448	0.97209	1.94E-01	1.35E+01	6.90E-01	5.56E-02	1.44E+01	1.88E-01	5.69E-05	6.90E-02	1.09E-02	2.68E-01	2.11E-01	1.35E+01	6.90E-01	5.56E-02	1.44E+01
2110	494511.06	3859651.99	2.51597	1.24638	6.5059	0.99564	1.92E-01	1.33E+01	7.19E-01	5.69E-02	1.43E+01	1.86E-01	5.62E-05	7.19E-02	1.11E-02	2.69E-01	2.09E-01	1.33E+01	7.19E-01	5.69E-02	1.43E+01
2111	494561.06	3859651.99	2.48862	1.23693	6.4868	0.99971	1.90E-01	1.32E+01	7.17E-01	5.72E-02	1.42E+01	1.84E-01	5.58E-05	7.17E-02	1.12E-02	2.67E-01	2.07E-01	1.32E+01	7.17E-01	5.72E-02	1.42E+01
2112	494611.06	3859651.99	2.45799	1.2264	6.5086	1.0071	1.87E-01	1.31E+01	7.20E-01	5.76E-02	1.41E+01	1.82E-01	5.53E-05	7.20E-02	1.13E-02	2.65E-01	2.04E-01	1.31E+01	7.20E-01	5.76E-02	1.41E+01
2113	494661.06	3859651.99	2.41488	1.19045	7.4106	1.07581	1.84E-01	1.27E+01	8.19E-01	6.15E-02	1.38E+01	1.79E-01	5.37E-05	8.19E-02	1.20E-02	2.73E-01	2.00E-01	1.27E+01	8.19E-01	6.15E-02	1.38E+01
2114	494711.06	3859651.99	2.37999	1.18196	7.3505	1.07789	1.81E-01	1.26E+01	8.13E-01	6.16E-02	1.37E+01	1.76E-01	5.33E-05	8.13E-02	1.21E-02	2.70E-01	1.98E-01	1.26E+01	8.13E-01	6.16E-02	1.37E+01
2115	494761.06	3859651.99	2.34423	1.17742	7.2389	1.06877	1.79E-01	1.26E+01	8.00E-01	6.11E-02	1.36E+01	1.74E-01	5.31E-05	8.00E-02	1.20E-02	2.66E-01	1.95E-01	1.26E+01	8.00E-01	6.11E-02	1.36E+01
2116	494811.06	3859651.99	2.29854	1.15869	7.5722	1.08951	1.75E-01	1.24E+01	8.37E-01	6.23E-02	1.34E+01	1.70E-01	5.22E-05	8.37E-02	1.22E-02	2.66E-01	1.91E-01	1.24E+01	8.37E-01	6.23E-02	1.35E+01
2117	494861.06	3859651.99	2.25686	1.15101	7.4682	1.09048	1.72E-01	1.23E+01	8.26E-01	6.24E-02	1.33E+01	1.67E-01	5.19E-05	8.26E-02	1.22E-02	2.62E-01	1.87E-01	1.23E+01	8.26E-01	6.24E-02	1.34E+01
2118	494911.06	3859651.99	2.20964	1.13847	7.591	1.0984	1.68E-01	1.21E+01	8.39E-01	6.28E-02	1.32E+01	1.64E-01	5.13E-05	8.39E-02	1.23E-02	2.60E-01	1.83E-01	1.21E+01	8.39E-01	6.28E-02	1.32E+01
2119	494961.06	3859651.99	2.16275	1.13	7.8382	1.10021	1.65E-01	1.21E+01	8.67E-01	6.29E-02	1.32E+01	1.60E-01	5.09E-05	8.67E-02	1.23E-02	2.59E-01	1.80E-01	1.21E+01	8.67E-01	6.29E-02	1.32E+01
2120	495011.06	3859651.99	2.11154	0.89794	8.1708	1.10409	1.61E-01	9.58E+00	9.03E-01	6.31E-02	1.07E+01	1.56E-01	4.05E-05	9.03E-02	1.24E-02	2.59E-01	1.75E-01	9.58E+00	9.03E-01	6.31E-02	1.07E+01
2121	495061.06	3859651.99	2.0615	0.89651	8.2988	1.10215	1.57E-01	9.57E+00	9.18E-01	6.30E-02	1.07E+01	1.53E-01	4.04E-05	9.18E-02	1.23E-02	2.57E-01	1.71E-01	9.57E+00	9.18E-01	6.30E-02	1.07E+01
2122	495111.06	3859651.99	2.00439	0.8797	8.6882	1.10595	1.53E-01	9.39E+00	9.61E-01	6.32E-02	1.06E+01	1.48E-01	3.97E-05	9.61E-02	1.24E-02	2.57E-01	1.66E-01	9.39E+00	9.61E-01	6.32E-02	1.06E+01
2123	495161.06	3859651.99	1.95732	0.87273	8.8956	1.10532	1.49E-01	9.31E+00	9.84E-01	6.32E-02	1.05E+01	1.45E-01	3.93E-05	9.84E-02	1.24E-02	2.56E-01	1.62E-01	9.31E+00	9.84E-01	6.32E-02	1.05E+01
2124	495211.06	3859651.99	1.93304	0.87126	8.9959	1.10301	1.47E-01	9.30E+00	9.95E-01	6.31E-02	1.05E+01	1.43E-01	3.93E-05	9.95E-02	1.23E-02	2.55E-01	1.60E-01	9.30E+00	9.95E-01	6.31E-02	1.05E+01
2125	495261.06	3859651.99	1.90382	0.86243	9.2169	1.10226	1.45E-01	9.20E+00	1.02E+00	6.30E-02	1.04E+01	1.41E-01	3.89E-05	1.02E-01	1.23E-02	2.55E-01	1.58E-01	9.20E+00	1.02E+00	6.30E-02	1.04E+01
2126	495311.06	3859651.99	1.87502	0.85788	9.3511	1.10031	1.43E-01	9.16E+00	1.03E+00	6.29E-02	1.04E+01	1.39E-01	3.87E-05	1.03E-01	1.23E-02	2.55E-01	1.56E-01	9.16E+00	1.03E+00	6.29E-02	1.04E+01
2127	495361.06	3859651.99	1.84548	0.85542	9.4367	1.0979	1.41E-01	9.13E+00	1.04E+00	6.28E-02	1.04E+01	1.37E-01	3.86E-05	1.04E-01	1.23E-02	2.53E-01	1.53E-01	9.13E+00	1.04E+00	6.28E-02	1.04E+01
2128	495411.06	3859651.99	1.81224	0.84648	9.6285	1.09604	1.38E-01	9.03E+00	1.06E+00	6.27E-02	1.03E+01	1.34E-01	3.82E-05	1.06E-01	1.23E-02	2.53E-01	1.50E-01	9.03E+00	1.06E+00	6.27E-02	1.03E+01
2129	495461.06	3859651.99	1.76801	0.81906	10.138	1.0921	1.35E-01	8.74E+00	1.12E+00	6.25E-02	1.01E+01	1.31E-01	3.69E-05	1.12E-01	1.22E-02	2.55E-01	1.47E-01	8.74E+00	1.12E+00	6.25E-02	1.01E+01
2130	495511.06	3859651.99	1.72505	0.79765	10.519	1.11504	1.31E-01	8.51E+00	1.16E+00	6.38E-02	9.87E+00	1.28E-01	3.60E-05	1.16E-01	1.25E-02	2.57E-01	1.43E-01	8.51E+00	1.16E+00	6.38E-02	9.88E+00
2131	495561.06	3859651.99	1.71422	0.7943	10.574	1.1262	1.31E-01	8.48E+00	1.17E+00	6.44E-02	9.84E+00	1.27E-01	3.58E-05	1.17E-01	1.26E-02	2.56E-01	1.42E-01	8.48E+00	1.17E+00	6.44E-02	9.85E+00

2132	495611.06	3859651.99	1.69988	0.78251	10.758	1.14068	1.30E-01	8.35E+00	1.19E+00	6.52E-02	9.73E+00	1.26E-01	3.53E-05	1.19E-01	1.28E-02	2.58E-01	1.41E-01	8.35E+00	1.19E+00	6.52E-02	9.75E+00
2133	495661.06	3859651.99	1.68289	0.77059	10.972	1.15454	1.28E-01	8.22E+00	1.21E+00	6.60E-02	9.63E+00	1.25E-01	3.47E-05	1.21E-01	1.29E-02	2.59E-01	1.40E-01	8.22E+00	1.21E+00	6.60E-02	9.64E+00
2134	494311.06	3859701.99	2.5921	1.28752	5.9484	0.95441	1.98E-01	1.37E+01	6.58E-01	5.46E-02	1.46E+01	1.92E-01	5.80E-05	6.58E-02	1.07E-02	2.68E-01	2.15E-01	1.37E+01	6.58E-01	5.46E-02	1.47E+01
2135	494361.06	3859701.99	2.58573	1.27023	6.191	0.98707	1.97E-01	1.36E+01	6.84E-01	5.64E-02	1.45E+01	1.91E-01	5.73E-05	6.84E-02	1.10E-02	2.71E-01	2.15E-01	1.36E+01	6.84E-01	5.64E-02	1.45E+01
2136	494411.06	3859701.99	2.5757	1.26343	6.1331	0.98304	1.96E-01	1.35E+01	6.78E-01	5.62E-02	1.44E+01	1.91E-01	5.70E-05	6.78E-02	1.10E-02	2.70E-01	2.14E-01	1.35E+01	6.78E-01	5.62E-02	1.44E+01
2137	494461.06	3859701.99	2.56134	1.27226	5.4676	0.92789	1.95E-01	1.36E+01	6.05E-01	5.31E-02	1.44E+01	1.90E-01	5.74E-05	6.05E-02	1.04E-02	2.61E-01	2.13E-01	1.36E+01	6.05E-01	5.31E-02	1.44E+01
2138	494511.06	3859701.99	2.54501	1.25881	5.6506	0.94651	1.94E-01	1.34E+01	6.25E-01	5.41E-02	1.43E+01	1.88E-01	5.67E-05	6.25E-02	1.06E-02	2.62E-01	2.11E-01	1.34E+01	6.25E-01	5.41E-02	1.43E+01
2139	494561.06	3859701.99	2.52526	1.25063	5.6332	0.94805	1.92E-01	1.33E+01	6.23E-01	5.42E-02	1.42E+01	1.87E-01	5.64E-05	6.23E-02	1.06E-02	2.60E-01	2.10E-01	1.33E+01	6.23E-01	5.42E-02	1.42E+01
2140	494611.06	3859701.99	2.50277	1.24127	5.6607	0.95423	1.91E-01	1.32E+01	6.26E-01	5.46E-02	1.41E+01	1.85E-01	5.60E-05	6.26E-02	1.07E-02	2.59E-01	2.08E-01	1.32E+01	6.26E-01	5.46E-02	1.41E+01
2141	494661.06	3859701.99	2.47195	1.20338	6.8738	1.04974	1.88E-01	1.28E+01	7.60E-01	6.00E-02	1.39E+01	1.83E-01	5.42E-05	7.60E-02	1.18E-02	2.71E-01	2.05E-01	1.28E+01	7.60E-01	6.00E-02	1.39E+01
2142	494711.06	3859701.99	2.4461	1.2022	6.5656	1.03363	1.86E-01	1.28E+01	7.26E-01	5.91E-02	1.38E+01	1.81E-01	5.42E-05	7.26E-02	1.16E-02	2.65E-01	2.03E-01	1.28E+01	7.26E-01	5.91E-02	1.38E+01
2143	494761.06	3859701.99	2.41299	1.18658	6.8726	1.05879	1.84E-01	1.27E+01	7.60E-01	6.05E-02	1.37E+01	1.79E-01	5.35E-05	7.60E-02	1.19E-02	2.67E-01	2.00E-01	1.27E+01	7.60E-01	6.05E-02	1.37E+01
2144	494811.06	3859701.99	2.37629	1.17078	7.1912	1.08267	1.81E-01	1.25E+01	7.95E-01	6.19E-02	1.35E+01	1.76E-01	5.28E-05	7.95E-02	1.21E-02	2.68E-01	1.97E-01	1.25E+01	7.95E-01	6.19E-02	1.35E+01
2145	494861.06	3859701.99	2.34413	1.17136	6.7995	1.06526	1.79E-01	1.25E+01	7.52E-01	6.09E-02	1.35E+01	1.74E-01	5.28E-05	7.52E-02	1.19E-02	2.61E-01	1.95E-01	1.25E+01	7.52E-01	6.09E-02	1.35E+01
2146	494911.06	3859701.99	2.30419	1.15928	6.9541	1.08032	1.76E-01	1.24E+01	7.69E-01	6.18E-02	1.34E+01	1.71E-01	5.23E-05	7.69E-02	1.21E-02	2.60E-01	1.91E-01	1.24E+01	7.69E-01	6.18E-02	1.34E+01
2147	494961.06	3859701.99	2.26173	1.148	7.0738	1.09275	1.72E-01	1.23E+01	7.82E-01	6.25E-02	1.33E+01	1.67E-01	5.18E-05	7.82E-02	1.22E-02	2.58E-01	1.88E-01	1.23E+01	7.82E-01	6.25E-02	1.33E+01
2148	495011.06	3859701.99	2.21991	1.14297	6.922	1.09078	1.69E-01	1.22E+01	7.65E-01	6.24E-02	1.32E+01	1.64E-01	5.15E-05	7.65E-02	1.22E-02	2.53E-01	1.84E-01	1.22E+01	7.65E-01	6.24E-02	1.32E+01
2149	495061.06	3859701.99	2.17398	1.13443	6.9205	1.09693	1.66E-01	1.21E+01	7.65E-01	6.27E-02	1.31E+01	1.61E-01	5.11E-05	7.65E-02	1.23E-02	2.50E-01	1.80E-01	1.21E+01	7.65E-01	6.27E-02	1.31E+01
2150	495111.06	3859701.99	2.12557	1.12583	6.9204	1.10299	1.62E-01	1.20E+01	7.65E-01	6.31E-02	1.30E+01	1.57E-01	5.08E-05	7.65E-02	1.23E-02	2.46E-01	1.76E-01	1.20E+01	7.65E-01	6.31E-02	1.30E+01
2151	495161.06	3859701.99	2.07442	1.11611	7.2553	1.11071	1.58E-01	1.19E+01	8.02E-01	6.35E-02	1.29E+01	1.54E-01	5.03E-05	8.02E-02	1.24E-02	2.46E-01	1.72E-01	1.19E+01	8.02E-01	6.35E-02	1.29E+01
2152	495211.06	3859701.99	2.0204	1.10594	7.62	1.11823	1.54E-01	1.18E+01	8.42E-01	6.39E-02	1.29E+01	1.50E-01	4.99E-05	8.42E-02	1.25E-02	2.46E-01	1.68E-01	1.18E+01	8.42E-01	6.39E-02	1.29E+01
2153	495261.06	3859701.99	1.96911	1.10551	7.5618	1.10977	1.50E-01	1.18E+01	8.36E-01	6.35E-02	1.28E+01	1.46E-01	4.98E-05	8.36E-02	1.24E-02	2.42E-01	1.63E-01	1.18E+01	8.36E-01	6.35E-02	1.29E+01
2154	495311.06	3859701.99	1.94011	1.09665	7.8739	1.1151	1.48E-01	1.17E+01	8.71E-01	6.38E-02	1.28E+01	1.44E-01	4.94E-05	8.71E-02	1.25E-02	2.43E-01	1.61E-01	1.17E+01	8.71E-01	6.38E-02	1.28E+01
2155	495361.06	3859701.99	1.91236	0.86903	8.1423	1.1181	1.46E-01	9.27E+00	9.00E-01	6.39E-02	1.04E+01	1.42E-01	3.92E-05	9.00E-02	1.25E-02	2.44E-01	1.59E-01	9.27E+00	9.00E-01	6.39E-02	1.04E+01
2156	495411.06	3859701.99	1.87881	0.84889	8.5812	1.12399	1.43E-01	9.06E+00	9.49E-01	6.43E-02	1.02E+01	1.39E-01	3.83E-05	9.49E-02	1.26E-02	2.47E-01	1.56E-01	9.06E+00	9.49E-01	6.43E-02	1.02E+01
2157	495461.06	3859701.99	1.8462	0.83632	8.8734	1.12487	1.41E-01	8.92E+00	9.81E-01	6.43E-02	1.01E+01	1.37E-01	3.77E-05	9.81E-02	1.26E-02	2.47E-01	1.53E-01	8.93E+00	9.81E-01	6.43E-02	1.01E+01
2158	495511.06	3859701.99	1.80125	0.8089	9.5641	1.12543	1.37E-01	8.63E+00	1.06E+00	6.44E-02	9.89E+00	1.33E-01	3.65E-05	1.06E-01	1.26E-02	2.52E-01	1.50E-01	8.63E+00	1.06E+00	6.44E-02	9.90E+00
2159	495561.06	3859701.99	1.77838	0.82352	9.367	1.12245	1.36E-01	8.79E+00	1.04E+00	6.42E-02	1.00E+01	1.32E-01	3.71E-05	1.04E-01	1.26E-02	2.48E-01	1.48E-01	8.79E+00	1.04E+00	6.42E-02	1.00E+01
2160	495611.06	3859701.99	1.74283	0.81758	9.5873	1.11972	1.33E-01	8.72E+00	1.06E+00	6.40E-02	9.98E+00	1.29E-01	3.69E-05	1.06E-01	1.25E-02	2.48E-01	1.45E-01	8.73E+00	1.06E+00	6.40E-02	9.99E+00
2161	495661.06	3859701.99	1.70862	0.80917	9.8444	1.11569	1.30E-01	8.64E+00	1.09E+00	6.38E-02	9.92E+00	1.26E-01	3.65E-05	1.09E-01	1.25E-02	2.48E-01	1.42E-01	8.64E+00	1.09E+00	6.38E-02	9.93E+00
2162	494311.06	3859751.99	2.55172	1.30584	5.7766	0.88558	1.94E-01	1.39E+01	6.39E-01	5.06E-02	1.48E+01	1.89E-01	5.89E-05	6.39E-02	9.91E-03	2.63E-01	2.12E-01	1.39E+01	6.39E-01	5.06E-02	1.48E+01
2163	494361.06	3859751.99	2.5579	1.29236	5.7869	0.90505	1.95E-01	1.38E+01	6.40E-01	5.18E-02	1.47E+01	1.89E-01	5.83E-05	6.40E-02	1.01E-02	2.64E-01	2.12E-01	1.38E+01	6.40E-01	5.18E-02	1.47E+01
2164	494411.06	3859751.99	2.56089	1.27544	5.8474	0.93903	1.95E-01	1.36E+01	6.46E-01	5.37E-02	1.45E+01	1.90E-01	5.75E-05	6.46E-02	1.05E-02	2.65E-01	2.13E-01	1.36E+01	6.46E-01	5.37E-02	1.45E+01
2165	494461.06	3859751.99	2.55256	1.27951	5.538	0.89256	1.95E-01	1.37E+01	6.12E-01	5.10E-02	1.45E+01	1.89E-01	5.77E-05	6.12E-02	9.99E-03	2.60E-01	2.12E-01	1.37E+01	6.12E-01	5.10E-02	1.45E+01
2166	494511.06	3859751.99	2.54208	1.2771	5.3357	0.87074	1.94E-01	1.36E+01	5.90E-01	4.98E-02	1.45E+01	1.88E-01	5.76E-05	5.90E-02	9.75E-03	2.57E-01	2.11E-01	1.36E+01	5.90E-01	4.98E-02	1.45E+01
2167	494561.06	3859751.99	2.53269	1.26528	5.2862	0.88868	1.93E-01	1.35E+01	5.84E-01	5.08E-02	1.43E+01	1.88E-01	5.70E-05	5.84E-02	9.95E-03	2.56E-01	2.10E-01	1.35E+01	5.84E-01	5.08E-02	1.43E+01
2168	494611.06	3859751.99	2.52175	1.24911	5.2989	0.92543	1.92E-01	1.33E+01	5.86E-01	5.29E-02	1.42E+01	1.87E-01	5.63E-05	5.86E-02	1.04E-02	2.56E-01	2.09E-01	1.33E+01	5.86E-01	5.29E-02	1.42E+01
2169	494661.06	3859751.99	2.50673	1.22268	5.8176	0.99998	1.91E-01	1.30E+01	6.43E-01	5.72E-02	1.39E+01	1.86E-01	5.51E-05	6.43E-02	1.12E-02	2.61E-01	2.08E-01	1.30E+01	6.43E-01	5.72E-02	1.40E+01
2170	494711.06	3859751.99	2.48584	1.22152	5.6488	0.9816	1.89E-01	1.30E+01	6.25E-01	5.61E-02	1.39E+01	1.84E-01	5.51E-05	6.25E-02	1.10E-02	2.58E-01	2.06E-01	1.30E+01	6.25E-01	5.61E-02	1.39E+01
2171	494761.06	3859751.99	2.46187	1.21471	5.6347	0.98328	1.88E-01	1.30E+01	6.23E-01	5.62E-02	1.38E+01	1.82E-01	5.48E-05	6.23E-02	1.10E-02	2.56E-01	2.04E-01	1.30E+01	6.23E-01	5.62E-02	1.38E+01
2172	494811.06	3859751.99	2.43591	1.20159	5.9013	1.01	1.86E-01	1.28E+01	6.52E-01	5.78E-02	1.37E+01	1.80E-01	5.42E-05	6.52E-02	1.13E-02	2.57E-01	2.02E-01	1.28E+01	6.52E-01	5.78E-02	1.37E+01
2173	494861.06	3859751.99	2.40693	1.19338	5.9517	1.01838	1.83E-01	1.27E+01	6.58E-01	5.82E-02	1.36E+01	1.78E-01	5.38E-05	6.58E-02	1.14E-02	2.55E-01	2.00E-01	1.27E+01	6.58E-01	5.82E-02	1.37E+01
2174	494911.06	3859751.99	2.37506	1.18496	6.0143	1.02824	1.81E-01	1.26E+01	6.65E-01	5.88E-02	1.36E+01	1.76E-01	5.34E-05	6.65E-02	1.15E-02	2.54E-01	1.97E-01	1.26E+01	6.65E-01	5.88E-02	1.36E+01
2175	494961.06	3859751.99	2.34105	1.17674	6.0664	1.0377	1.78E-01	1.26E+01	6.71E-01	5.93E-02	1.35E+01	1.73E-01	5.30E-05	6.71E-02	1.16E-02	2.52E-01	1.94E-01	1.26E+01	6.71E-01	5.93E-02	1.35E+01
2176	495011.06	3859751.99	2.30437	1.16755	6.1649	1.05108	1.76E-01	1.25E+01	6.82E-01	6.01E-02	1.34E+01	1.71E-01	5.26E-05	6.82E-02	1.18E-02	2.51E-01	1.91E-01	1.25E+01	6.82E-01	6.01E-02	1.34E+01
2177	495061.06	3859751.99	2.26511	1.16243	6.0744	1.05044	1.73E-01	1.24E+01	6.72E-01	6.01E-02	1.33E+01	1.68E-01	5.24E-05	6.72E-02	1.18E-02	2.47E-01	1.88E-01	1.24E+01	6.72E-01	6.01E-02	1.33E+01
2178	495111.06	3859751.99	2.22351	1.15372	6.1468	1.06255	1.69E-01	1.23E+01	6.80E-01	6.08E-02	1.32E+01	1.65E-01	5.20E-05	6.80E-02	1.19E-02	2.45E-01	1.85E-01	1.23E+01	6.80E-01	6.08E-02	1.32E+01
2179	495161.06	3859751.99	2.17943	1.14387	6.2705	1.07828	1.66E-01	1.22E+01	6.93E-01	6.17E-02	1.31E+01	1.61E-01	5.16E-05	6.93E-02	1.21E-02	2.43E-01	1.81E-01	1.22E+01	6.93E-01	6.17E-02	1.31E+01
2180	495211.06	3859751.99	2.13259	1.13359	6.4091	1.09448	1.63E-01	1.21E+01	7.09E-01	6.26E-02	1.30E+01	1.58E-01	5.11E-05	7.09E-02	1.23E-02	2.41E-01	1.77E-01	1.21E+01	7.09E-01	6.26E-02	1.30E+01
2181	495261.06	3859751.99	2.08462	1.12825	6.3212	1.09587	1.59E-01	1.20E+01	6.99E-01	6.27E-02	1.30E+01	1.54E-01	5.09E-05	6.99E-02	1.23E-02	2.37E-01	1.73E-01	1.20E+01	6.99E-01	6.27E-02	1.30E+01
2182	495311.06	3859751.99	2.03369	1.1197	6.373	1.10624	1.55E-01	1.19E+01	7.05E-01	6.33E-02	1.29E+01	1.51E-01	5.05E-05	7.05E-02	1.24E-02	2.33E-01	1.69E-01	1.19E+01	7.05E-01	6.33E-02	1.29E+01
2183	495361.06	3859751.99	1.98074	1.11233	6.6039	1.11304	1.51E-01	1.19E+01	7.30E-01	6.36E-02	1.28E+01	1.47E-01	5.01E-05	7.30E-02	1.25E-02	2.32E-01	1.64E-01	1.19E+01	7.30E-01	6.36E-02	1.28E+01
2184	495411.06	3859751.99	1.9414	1.10529	6.8535	1.11867	1.48E-01	1.18E+01	7.58E-01	6.40E-02	1.28E+01	1.44E-01	4.98E-05	7.58E-02	1.25E-02	2.32E-01	1.61E-01	1.18E+01	7.58E-01	6.40E-02	1.28E+01
2185	495461.06	3859751.99	1.91234	1.09356	7.3226	1.13359	1.46E-01	1.17E+01	8.10E-01	6.48E-02	1.27E+01	1.42E-01	4.93E-05	8.10E-02	1.27E-02	2.35E-01	1.59E-01	1.17E+01	8.10E-01	6.48E-02	1.27E+01
2186	495511.06	3859751.99	1.88025	1.08192	7.7984	1.14487	1.43E-01	1.15E+01	8.62E-01	6.55E-02	1.26E+01	1.39E-01	4.88E-05	8.62E-02	1.28E-02	2.38E-01	1.56E-01	1.15E+01	8.62E-01	6.55E-02	1.26E+01
2187	495561.06	3859751.99	1.85091	0.85146	8.057	1.147	1.41E-01	9.09E+00	8.91E-01	6.56E-02	1.02E+01	1.37E-01	3.84E-05	8.91E-02	1.28E-02	2.39E-01	1.54E-01	9.09E+00	8.91E-01	6.56E-02	1.02E+01
2188	495611.06	3859751.99	1.81969	0.84562	8.3042	1.14815	1.39E-01	9.02E+00	9.18E-01	6.57E-02	1.01E+01	1.35E-01	3.81E-05	9.18E-02	1.29E-02	2.39E-01	1.51E-01	9.02E+00	9.18E-01	6.57E-02	1.02E+01
2189	495661.06	3859751.99	1.7895	0.84514	8.427	1.14631	1.36E-01	9.02E+00	9.32E-01	6.56E-02	1.02E+01	1.32E-01	3.81E-05	9.32E-02	1.28E-02	2.39E-01	1.49E-01	9.02E+00	9.32E-01	6.56E-02	1.02E+01
2190	494311.06	3859801.99	2.52134	1.36668	5.3498	0.80432	1.92E-01	1.46E+01	5.91E-01	4.60E-02	1.54E+01	1.87E-01	6.16E-05	5.91E-02	9.00E-03	2.55E-01	2.09E-01	1.46E+01	5.91E-01	4.60E-02	1.54E+01
2191	494361.06	3859801.99	2.49303	1.31722	5.5352	0.84645	1.90E-01	1.41E+01	6.12E-01	4.84E-02	1.49E+01	1.85E-01	5.94E-05	6.12E-02	9.48E-03	2.55E-01	2.07E-01	1.41E+01	6.12E-01	4.84E-02	1.49E+01
2192	494411.06	3859801.99	2.51369	1.28691	5.7314	0.90154	1.92E-01	1.37E+01	6.34E-01	5.16E-02	1.46E+01	1.86E-01	5.80E-05	6.34E-02	1.01E-02	2.60E-01	2.09E-01	1.37E+01	6.34E-01	5.16E-02	1.46E+01

2193	494461.06	3859801.99	2.51327	1.28951	5.4972	0.85708	1.92E-01	1.38E+01	6.08E-01	4.90E-02	1.46E+01	1.86E-01	5.81E-05	6.08E-02	9.59E-03	2.56E-01	2.09E-01	1.38E+01	6.08E-01	4.90E-02	1.46E+01
2194	494511.06	3859801.99	2.50456	1.32127	5.2252	0.80317	1.91E-01	1.41E+01	5.78E-01	4.59E-02	1.49E+01	1.85E-01	5.96E-05	5.78E-02	8.99E-03	2.52E-01	2.08E-01	1.41E+01	5.78E-01	4.59E-02	1.49E+01
2195	494561.06	3859801.99	2.50645	1.29963	5.2133	0.81834	1.91E-01	1.39E+01	5.76E-01	4.68E-02	1.47E+01	1.86E-01	5.86E-05	5.76E-02	9.16E-03	2.52E-01	2.08E-01	1.39E+01	5.76E-01	4.68E-02	1.47E+01
2196	494611.06	3859801.99	2.51512	1.259	5.4362	0.89806	1.92E-01	1.34E+01	6.01E-01	5.14E-02	1.43E+01	1.86E-01	5.68E-05	6.01E-02	1.01E-02	2.56E-01	2.09E-01	1.34E+01	6.01E-01	5.14E-02	1.43E+01
2197	494661.06	3859801.99	2.50917	1.24706	5.4327	0.92282	1.91E-01	1.33E+01	6.01E-01	5.28E-02	1.42E+01	1.86E-01	5.62E-05	6.01E-02	1.03E-02	2.56E-01	2.08E-01	1.33E+01	6.01E-01	5.28E-02	1.42E+01
2198	494711.06	3859801.99	2.50037	1.23174	5.4785	0.96342	1.91E-01	1.31E+01	6.06E-01	5.51E-02	1.40E+01	1.85E-01	5.55E-05	6.06E-02	1.08E-02	2.57E-01	2.08E-01	1.31E+01	6.06E-01	5.51E-02	1.40E+01
2199	494761.06	3859801.99	2.48016	1.23535	5.1828	0.91831	1.89E-01	1.32E+01	5.73E-01	5.25E-02	1.40E+01	1.84E-01	5.57E-05	5.73E-02	1.03E-02	2.51E-01	2.06E-01	1.32E+01	5.73E-01	5.25E-02	1.40E+01
2200	494811.06	3859801.99	2.4639	1.22424	5.1403	0.9422	1.88E-01	1.31E+01	5.68E-01	5.39E-02	1.39E+01	1.82E-01	5.52E-05	5.68E-02	1.05E-02	2.50E-01	2.05E-01	1.31E+01	5.68E-01	5.39E-02	1.39E+01
2201	494861.06	3859801.99	2.44199	1.21767	5.014	0.94563	1.86E-01	1.30E+01	5.54E-01	5.41E-02	1.38E+01	1.81E-01	5.49E-05	5.54E-02	1.06E-02	2.47E-01	2.03E-01	1.30E+01	5.54E-01	5.41E-02	1.38E+01
2202	494911.06	3859801.99	2.41979	1.20534	5.2166	0.97667	1.84E-01	1.29E+01	5.77E-01	5.58E-02	1.37E+01	1.79E-01	5.43E-05	5.77E-02	1.09E-02	2.48E-01	2.01E-01	1.29E+01	5.77E-01	5.58E-02	1.37E+01
2203	494961.06	3859801.99	2.39328	1.19744	5.2973	0.98767	1.82E-01	1.28E+01	5.86E-01	5.65E-02	1.36E+01	1.77E-01	5.40E-05	5.86E-02	1.11E-02	2.47E-01	1.99E-01	1.28E+01	5.86E-01	5.65E-02	1.36E+01
2204	495011.06	3859801.99	2.36385	1.18884	5.4118	1.00244	1.80E-01	1.27E+01	5.98E-01	5.73E-02	1.35E+01	1.75E-01	5.36E-05	5.98E-02	1.12E-02	2.46E-01	1.96E-01	1.27E+01	5.98E-01	5.73E-02	1.35E+01
2205	495061.06	3859801.99	2.3315	1.18263	5.4119	1.00673	1.78E-01	1.26E+01	5.98E-01	5.76E-02	1.35E+01	1.73E-01	5.33E-05	5.98E-02	1.13E-02	2.44E-01	1.94E-01	1.26E+01	5.98E-01	5.76E-02	1.35E+01
2206	495111.06	3859801.99	2.29761	1.17216	5.6139	1.03039	1.75E-01	1.25E+01	6.21E-01	5.89E-02	1.34E+01	1.70E-01	5.28E-05	6.21E-02	1.15E-02	2.44E-01	1.91E-01	1.25E+01	6.21E-01	5.89E-02	1.34E+01
2207	495161.06	3859801.99	2.26055	1.16259	5.7727	1.04975	1.72E-01	1.24E+01	6.38E-01	6.00E-02	1.33E+01	1.67E-01	5.24E-05	6.38E-02	1.18E-02	2.43E-01	1.88E-01	1.24E+01	6.38E-01	6.00E-02	1.33E+01
2208	495211.06	3859801.99	2.22097	1.1567	5.7527	1.05386	1.69E-01	1.23E+01	6.36E-01	6.03E-02	1.32E+01	1.64E-01	5.21E-05	6.36E-02	1.18E-02	2.40E-01	1.84E-01	1.23E+01	6.36E-01	6.03E-02	1.32E+01
2209	495261.06	3859801.99	2.17901	1.14688	5.9196	1.07403	1.66E-01	1.22E+01	6.54E-01	6.14E-02	1.31E+01	1.61E-01	5.17E-05	6.54E-02	1.20E-02	2.39E-01	1.81E-01	1.22E+01	6.54E-01	6.14E-02	1.31E+01
2210	495311.06	3859801.99	2.13456	1.14183	5.8519	1.07517	1.63E-01	1.22E+01	6.47E-01	6.15E-02	1.31E+01	1.58E-01	5.15E-05	6.47E-02	1.20E-02	2.35E-01	1.77E-01	1.22E+01	6.47E-01	6.15E-02	1.31E+01
2211	495361.06	3859801.99	2.0881	1.13338	5.9431	1.0894	1.59E-01	1.21E+01	6.57E-01	6.23E-02	1.30E+01	1.55E-01	5.11E-05	6.57E-02	1.22E-02	2.33E-01	1.73E-01	1.21E+01	6.57E-01	6.23E-02	1.30E+01
2212	495411.06	3859801.99	2.03921	1.12307	6.1184	1.10955	1.55E-01	1.20E+01	6.76E-01	6.34E-02	1.29E+01	1.51E-01	5.06E-05	6.76E-02	1.24E-02	2.31E-01	1.69E-01	1.20E+01	6.76E-01	6.34E-02	1.29E+01
2213	495461.06	3859801.99	1.98809	1.1155	6.1564	1.11927	1.52E-01	1.19E+01	6.81E-01	6.40E-02	1.28E+01	1.47E-01	5.03E-05	6.81E-02	1.25E-02	2.28E-01	1.65E-01	1.19E+01	6.81E-01	6.40E-02	1.28E+01
2214	495511.06	3859801.99	1.93337	1.10297	6.4182	1.14269	1.47E-01	1.18E+01	7.10E-01	6.53E-02	1.27E+01	1.43E-01	4.97E-05	7.10E-02	1.28E-02	2.27E-01	1.61E-01	1.18E+01	7.10E-01	6.53E-02	1.27E+01
2215	495561.06	3859801.99	1.9096	1.09715	6.5441	1.1457	1.46E-01	1.17E+01	7.24E-01	6.55E-02	1.26E+01	1.41E-01	4.95E-05	7.24E-02	1.28E-02	2.27E-01	1.59E-01	1.17E+01	7.24E-01	6.55E-02	1.27E+01
2216	495611.06	3859801.99	1.88708	1.09542	6.5534	1.13771	1.44E-01	1.17E+01	7.25E-01	6.51E-02	1.26E+01	1.40E-01	4.94E-05	7.25E-02	1.27E-02	2.25E-01	1.57E-01	1.17E+01	7.25E-01	6.51E-02	1.26E+01
2217	495661.06	3859801.99	1.8573	1.08461	6.9877	1.1531	1.42E-01	1.16E+01	7.73E-01	6.59E-02	1.26E+01	1.38E-01	4.89E-05	7.73E-02	1.29E-02	2.28E-01	1.54E-01	1.16E+01	7.73E-01	6.59E-02	1.26E+01
2218	494311.06	3859851.99	2.56949	1.46086	4.9242	0.80921	1.96E-01	1.56E+01	5.44E-01	4.63E-02	1.64E+01	1.90E-01	6.59E-05	5.44E-02	9.06E-03	2.54E-01	2.13E-01	1.56E+01	5.44E-01	4.63E-02	1.64E+01
2219	494361.06	3859851.99	2.53056	1.42737	5.0739	0.80684	1.93E-01	1.52E+01	5.61E-01	4.61E-02	1.60E+01	1.87E-01	6.43E-05	5.61E-02	9.03E-03	2.53E-01	2.10E-01	1.52E+01	5.61E-01	4.61E-02	1.60E+01
2220	494411.06	3859851.99	2.48976	1.38493	5.2575	0.8149	1.90E-01	1.48E+01	5.81E-01	4.66E-02	1.56E+01	1.84E-01	6.24E-05	5.81E-02	9.12E-03	2.52E-01	2.07E-01	1.48E+01	5.81E-01	4.66E-02	1.56E+01
2221	494461.06	3859851.99	2.44541	1.36116	5.3359	0.83419	1.86E-01	1.45E+01	5.90E-01	4.77E-02	1.53E+01	1.81E-01	6.14E-05	5.90E-02	9.34E-03	2.49E-01	2.03E-01	1.45E+01	5.90E-01	4.77E-02	1.54E+01
2222	494511.06	3859851.99	2.45077	1.37458	5.2128	0.80367	1.87E-01	1.47E+01	5.76E-01	4.60E-02	1.55E+01	1.81E-01	6.20E-05	5.76E-02	9.00E-03	2.48E-01	2.03E-01	1.47E+01	5.76E-01	4.60E-02	1.55E+01
2223	494561.06	3859851.99	2.44822	1.39643	5.0341	0.79944	1.87E-01	1.49E+01	5.57E-01	4.57E-02	1.57E+01	1.81E-01	6.29E-05	5.57E-02	8.95E-03	2.46E-01	2.03E-01	1.49E+01	5.57E-01	4.57E-02	1.57E+01
2224	494611.06	3859851.99	2.47677	1.31941	5.3379	0.85293	1.89E-01	1.41E+01	5.90E-01	4.88E-02	1.49E+01	1.83E-01	5.95E-05	5.90E-02	9.55E-03	2.52E-01	2.06E-01	1.41E+01	5.90E-01	4.88E-02	1.49E+01
2225	494661.06	3859851.99	2.47385	1.32324	5.222	0.83472	1.89E-01	1.41E+01	5.77E-01	4.77E-02	1.49E+01	1.83E-01	5.96E-05	5.77E-02	9.34E-03	2.50E-01	2.05E-01	1.41E+01	5.77E-01	4.77E-02	1.50E+01
2226	494711.06	3859851.99	2.48197	1.27239	5.3687	0.89163	1.89E-01	1.36E+01	5.94E-01	5.10E-02	1.44E+01	1.84E-01	5.74E-05	5.94E-02	9.98E-03	2.53E-01	2.06E-01	1.36E+01	5.94E-01	5.10E-02	1.44E+01
2227	494761.06	3859851.99	2.4674	1.29286	5.1454	0.85034	1.88E-01	1.38E+01	5.69E-01	4.86E-02	1.46E+01	1.83E-01	5.83E-05	5.69E-02	9.52E-03	2.49E-01	2.05E-01	1.38E+01	5.69E-01	4.86E-02	1.46E+01
2228	494811.06	3859851.99	2.46147	1.26871	5.1338	0.87081	1.88E-01	1.35E+01	5.68E-01	4.98E-02	1.43E+01	1.82E-01	5.72E-05	5.68E-02	9.75E-03	2.49E-01	2.04E-01	1.35E+01	5.68E-01	4.98E-02	1.44E+01
2229	494861.06	3859851.99	2.44662	1.26319	5.0207	0.86514	1.86E-01	1.35E+01	5.55E-01	4.95E-02	1.43E+01	1.81E-01	5.69E-05	5.55E-02	9.68E-03	2.46E-01	2.03E-01	1.35E+01	5.55E-01	4.95E-02	1.43E+01
2230	494911.06	3859851.99	2.43514	1.23088	5.0258	0.89732	1.86E-01	1.31E+01	5.56E-01	5.13E-02	1.39E+01	1.80E-01	5.55E-05	5.56E-02	1.00E-02	2.46E-01	2.02E-01	1.31E+01	5.56E-01	5.13E-02	1.39E+01
2231	494961.06	3859851.99	2.41752	1.21909	4.9567	0.91075	1.84E-01	1.30E+01	5.48E-01	5.21E-02	1.38E+01	1.79E-01	5.50E-05	5.48E-02	1.02E-02	2.44E-01	2.01E-01	1.30E+01	5.48E-01	5.21E-02	1.38E+01
2232	495011.06	3859851.99	2.39632	1.21073	4.8835	0.92581	1.83E-01	1.29E+01	5.40E-01	5.29E-02	1.37E+01	1.77E-01	5.46E-05	5.40E-02	1.04E-02	2.42E-01	1.99E-01	1.29E+01	5.40E-01	5.29E-02	1.37E+01
2233	495061.06	3859851.99	2.37141	1.20444	4.7667	0.92989	1.81E-01	1.29E+01	5.27E-01	5.32E-02	1.36E+01	1.76E-01	5.43E-05	5.27E-02	1.04E-02	2.39E-01	1.97E-01	1.29E+01	5.27E-01	5.32E-02	1.36E+01
2234	495111.06	3859851.99	2.34683	1.19278	4.766	0.96361	1.79E-01	1.27E+01	5.27E-01	5.51E-02	1.35E+01	1.74E-01	5.38E-05	5.27E-02	1.08E-02	2.37E-01	1.95E-01	1.27E+01	5.27E-01	5.51E-02	1.35E+01
2235	495161.06	3859851.99	2.31797	1.18386	4.9105	0.98285	1.77E-01	1.26E+01	5.43E-01	5.62E-02	1.34E+01	1.72E-01	5.34E-05	5.43E-02	1.10E-02	2.37E-01	1.92E-01	1.26E+01	5.43E-01	5.62E-02	1.34E+01
2236	495211.06	3859851.99	2.28616	1.17585	5.0122	0.9976	1.74E-01	1.25E+01	5.54E-01	5.70E-02	1.33E+01	1.69E-01	5.30E-05	5.54E-02	1.12E-02	2.36E-01	1.90E-01	1.25E+01	5.54E-01	5.70E-02	1.33E+01
2237	495261.06	3859851.99	2.25148	1.16705	5.1505	1.0165	1.72E-01	1.25E+01	5.69E-01	5.81E-02	1.33E+01	1.67E-01	5.26E-05	5.69E-02	1.14E-02	2.35E-01	1.87E-01	1.25E+01	5.69E-01	5.81E-02	1.33E+01
2238	495311.06	3859851.99	2.21353	1.16078	5.1645	1.02282	1.69E-01	1.24E+01	5.71E-01	5.85E-02	1.32E+01	1.64E-01	5.23E-05	5.71E-02	1.14E-02	2.32E-01	1.84E-01	1.24E+01	5.71E-01	5.85E-02	1.32E+01
2239	495361.06	3859851.99	2.17422	1.15328	5.2344	1.03542	1.66E-01	1.23E+01	5.79E-01	5.92E-02	1.31E+01	1.61E-01	5.20E-05	5.79E-02	1.16E-02	2.30E-01	1.81E-01	1.23E+01	5.79E-01	5.92E-02	1.31E+01
2240	495411.06	3859851.99	2.13293	1.14313	5.4314	1.06064	1.63E-01	1.22E+01	6.00E-01	6.07E-02	1.30E+01	1.58E-01	5.15E-05	6.00E-02	1.19E-02	2.30E-01	1.77E-01	1.22E+01	6.00E-01	6.07E-02	1.30E+01
2241	495461.06	3859851.99	2.08888	1.13341	5.603	1.08279	1.59E-01	1.21E+01	6.19E-01	6.19E-02	1.29E+01	1.55E-01	5.11E-05	6.19E-02	1.21E-02	2.29E-01	1.73E-01	1.21E+01	6.19E-01	6.19E-02	1.30E+01
2242	495511.06	3859851.99	2.04216	1.12219	5.844	1.11005	1.56E-01	1.20E+01	6.46E-01	6.35E-02	1.28E+01	1.51E-01	5.06E-05	6.46E-02	1.24E-02	2.28E-01	1.70E-01	1.20E+01	6.46E-01	6.35E-02	1.29E+01
2243	495561.06	3859851.99	1.99334	1.11747	5.7592	1.10982	1.52E-01	1.19E+01	6.37E-01	6.35E-02	1.28E+01	1.48E-01	5.04E-05	6.37E-02	1.24E-02	2.24E-01	1.65E-01	1.19E+01	6.37E-01	6.35E-02	1.28E+01
2244	495611.06	3859851.99	1.94226	1.11193	5.7077	1.11276	1.48E-01	1.19E+01	6.31E-01	6.36E-02	1.27E+01	1.44E-01	5.01E-05	6.31E-02	1.25E-02	2.19E-01	1.61E-01	1.19E+01	6.31E-01	6.36E-02	1.27E+01
2245	495661.06	3859851.99	1.90612	1.10129	5.8998	1.13527	1.45E-01	1.18E+01	6.52E-01	6.49E-02	1.26E+01	1.41E-01	4.96E-05	6.52E-02	1.27E-02	2.19E-01	1.58E-01	1.18E+01	6.52E-01	6.49E-02	1.26E+01
2246	494311.06	3859901.99	2.59859	1.53335	4.4237	0.81167	1.98E-01	1.64E+01	4.89E-01	4.64E-02	1.71E+01	1.92E-01	6.91E-05	4.89E-02	9.09E-03	2.50E-01	2.16E-01	1.64E+01	4.89E-01	4.64E-02	1.71E+01
2247	494361.06	3859901.99	2.57378	1.47173	4.7357	0.80873	1.96E-01	1.57E+01	5.24E-01	4.62E-02	1.65E+01	1.91E-01	6.63E-05	5.24E-02	9.05E-03	2.52E-01	2.14E-01	1.57E+01	5.24E-01	4.62E-02	1.65E+01
2248	494411.06	3859901.99	2.53149	1.47498	4.7476	0.80706	1.93E-01	1.57E+01	5.25E-01	4.62E-02	1.65E+01	1.87E-01	6.65E-05	5.25E-02	9.03E-03	2.49E-01	2.10E-01	1.57E+01	5.25E-01	4.62E-02	1.65E+01
2249	494461.06	3859901.99	2.49264	1.45474	4.854	0.80494	1.90E-01	1.55E+01	5.37E-01	4.60E-02	1.63E+01	1.85E-01	6.56E-05	5.37E-02	9.01E-03	2.47E-01	2.07E-01	1.55E+01	5.37E-01	4.60E-02	1.63E+01
2250	494511.06	3859901.99	2.44927	1.45256	4.8617	0.80317	1.87E-01	1.55E+01	5.38E-01	4.59E-02	1.63E+01	1.81E-01	6.55E-05	5.38E-02	8.99E-03	2.44E-01	2.03E-01	1.55E+01	5.38E-01	4.59E-02	1.63E+01
2251	494561.06	3859901.99	2.39612	1.49012	4.6652	0.80217	1.83E-01	1.59E+01	5.16E-01	4.59E-02	1.66E+01	1.77E-01	6.72E-05	5.16E-02	8.98E-03	2.38E-01	1.99E-01	1.59E+01	5.16E-01	4.59E-02	1.67E+01
2252	494611.06	3859901.99	2.40092	1.4097	5.0223	0.79892	1.83E-01	1.50E+01	5.55E-01	4.57E-02	1.58E+01	1.78E-01	6.35E-05	5.55E-02	8.94E-03	2.42E-01	1.99E-01	1.50E+01	5.55E-01	4.57E-02	1.58E+01
2253	494661.06	3859901.99	2.39508	1.43639	4.8471	0.79772	1.83E-01	1.53E+01	5.36E-01	4.56E-02	1.61E+01	1.77E-01	6.48E-05	5.36E-02	8.93E-03	2.40E-01	1.99E-01	1.53E+01	5.36E-01	4.56E-02	1.61E+01

2254	494711.06	3859901.99	2.43287	1.35904	5.1719	0.83503	1.85E-01	1.45E+01	5.72E-01	4.77E-02	1.53E+01	1.80E-01	6.13E-05	5.72E-02	9.35E-03	2.47E-01	2.02E-01	1.45E+01	5.72E-01	4.77E-02	1.53E+01
2255	494761.06	3859901.99	2.42911	1.36929	5.0498	0.80691	1.85E-01	1.46E+01	5.58E-01	4.61E-02	1.54E+01	1.80E-01	6.17E-05	5.58E-02	9.03E-03	2.45E-01	2.02E-01	1.46E+01	5.58E-01	4.61E-02	1.54E+01
2256	494811.06	3859901.99	2.41979	1.37974	4.9157	0.79155	1.84E-01	1.47E+01	5.43E-01	4.53E-02	1.55E+01	1.79E-01	6.22E-05	5.43E-02	8.86E-03	2.42E-01	2.01E-01	1.47E+01	5.43E-01	4.53E-02	1.55E+01
2257	494861.06	3859901.99	2.41467	1.37196	4.8607	0.78972	1.84E-01	1.46E+01	5.37E-01	4.52E-02	1.54E+01	1.79E-01	6.18E-05	5.37E-02	8.84E-03	2.41E-01	2.00E-01	1.46E+01	5.37E-01	4.52E-02	1.54E+01
2258	494911.06	3859901.99	2.41713	1.33901	4.9173	0.81059	1.84E-01	1.43E+01	5.44E-01	4.64E-02	1.51E+01	1.79E-01	6.04E-05	5.44E-02	9.07E-03	2.42E-01	2.01E-01	1.43E+01	5.44E-01	4.64E-02	1.51E+01
2259	494961.06	3859901.99	2.40694	1.32736	4.8591	0.814	1.83E-01	1.42E+01	5.37E-01	4.65E-02	1.49E+01	1.78E-01	5.98E-05	5.37E-02	9.11E-03	2.41E-01	2.00E-01	1.42E+01	5.37E-01	4.65E-02	1.49E+01
2260	495011.06	3859901.99	2.39898	1.29978	4.8668	0.84166	1.83E-01	1.39E+01	5.38E-01	4.81E-02	1.46E+01	1.78E-01	5.86E-05	5.38E-02	9.42E-03	2.41E-01	1.99E-01	1.39E+01	5.38E-01	4.81E-02	1.47E+01
2261	495061.06	3859901.99	2.3851	1.27871	4.8325	0.85952	1.82E-01	1.36E+01	5.34E-01	4.92E-02	1.44E+01	1.77E-01	5.76E-05	5.34E-02	9.62E-03	2.40E-01	1.98E-01	1.36E+01	5.34E-01	4.92E-02	1.44E+01
2262	495111.06	3859901.99	2.37134	1.24441	4.8493	0.89756	1.81E-01	1.33E+01	5.36E-01	5.13E-02	1.40E+01	1.76E-01	5.61E-05	5.36E-02	1.00E-02	2.39E-01	1.97E-01	1.33E+01	5.36E-01	5.13E-02	1.41E+01
2263	495161.06	3859901.99	2.35336	1.21447	4.8347	0.92891	1.79E-01	1.30E+01	5.35E-01	5.31E-02	1.37E+01	1.74E-01	5.47E-05	5.35E-02	1.04E-02	2.38E-01	1.95E-01	1.30E+01	5.35E-01	5.31E-02	1.37E+01
2264	495211.06	3859901.99	2.32612	1.20687	4.7102	0.92678	1.77E-01	1.29E+01	5.21E-01	5.30E-02	1.36E+01	1.72E-01	5.44E-05	5.21E-02	1.04E-02	2.35E-01	1.93E-01	1.29E+01	5.21E-01	5.30E-02	1.36E+01
2265	495261.06	3859901.99	2.30306	1.17694	4.7135	0.97088	1.76E-01	1.26E+01	5.21E-01	5.55E-02	1.33E+01	1.71E-01	5.31E-05	5.21E-02	1.09E-02	2.34E-01	1.91E-01	1.26E+01	5.21E-01	5.55E-02	1.33E+01
2266	495311.06	3859901.99	2.27095	1.1718	4.5737	0.96858	1.73E-01	1.25E+01	5.06E-01	5.54E-02	1.32E+01	1.68E-01	5.28E-05	5.06E-02	1.08E-02	2.30E-01	1.89E-01	1.25E+01	5.06E-01	5.54E-02	1.33E+01
2267	495361.06	3859901.99	2.23931	1.1626	4.677	0.99026	1.71E-01	1.24E+01	5.17E-01	5.66E-02	1.32E+01	1.66E-01	5.24E-05	5.17E-02	1.11E-02	2.29E-01	1.86E-01	1.24E+01	5.17E-01	5.66E-02	1.32E+01
2268	495411.06	3859901.99	2.20631	1.15166	4.9178	1.02186	1.68E-01	1.23E+01	5.44E-01	5.84E-02	1.31E+01	1.63E-01	5.19E-05	5.44E-02	1.14E-02	2.29E-01	1.83E-01	1.23E+01	5.44E-01	5.84E-02	1.31E+01
2269	495461.06	3859901.99	2.16922	1.14235	5.0797	1.04391	1.65E-01	1.22E+01	5.62E-01	5.97E-02	1.30E+01	1.61E-01	5.15E-05	5.62E-02	1.17E-02	2.28E-01	1.80E-01	1.22E+01	5.62E-01	5.97E-02	1.30E+01
2270	495511.06	3859901.99	2.1283	1.13646	5.0661	1.04718	1.62E-01	1.21E+01	5.60E-01	5.99E-02	1.29E+01	1.58E-01	5.12E-05	5.60E-02	1.17E-02	2.25E-01	1.77E-01	1.21E+01	5.60E-01	5.99E-02	1.29E+01
2271	495561.06	3859901.99	2.0854	1.13048	5.0535	1.05119	1.59E-01	1.21E+01	5.59E-01	6.01E-02	1.28E+01	1.54E-01	5.10E-05	5.59E-02	1.18E-02	2.22E-01	1.73E-01	1.21E+01	5.59E-01	6.01E-02	1.29E+01
2272	495611.06	3859901.99	2.04165	1.12043	5.2414	1.07674	1.56E-01	1.20E+01	5.79E-01	6.16E-02	1.28E+01	1.51E-01	5.05E-05	5.79E-02	1.21E-02	2.21E-01	1.69E-01	1.20E+01	5.79E-01	6.16E-02	1.28E+01
2273	495661.06	3859901.99	1.9959	1.10964	5.4635	1.10476	1.52E-01	1.18E+01	6.04E-01	6.32E-02	1.27E+01	1.48E-01	5.00E-05	6.04E-02	1.24E-02	2.21E-01	1.66E-01	1.18E+01	6.04E-01	6.32E-02	1.27E+01
2274	494311.06	3859951.99	2.5605	1.60305	3.8116	0.8119	1.95E-01	1.71E+01	4.21E-01	4.64E-02	1.78E+01	1.90E-01	7.23E-05	4.21E-02	9.09E-03	2.41E-01	2.13E-01	1.71E+01	4.21E-01	4.64E-02	1.78E+01
2275	494361.06	3859951.99	2.52853	1.57052	4.0122	0.80953	1.93E-01	1.68E+01	4.44E-01	4.63E-02	1.74E+01	1.87E-01	7.08E-05	4.44E-02	9.06E-03	2.41E-01	2.10E-01	1.68E+01	4.44E-01	4.63E-02	1.75E+01
2276	494411.06	3859951.99	2.55219	1.54406	4.1853	0.80728	1.95E-01	1.65E+01	4.63E-01	4.62E-02	1.72E+01	1.89E-01	6.96E-05	4.63E-02	9.04E-03	2.44E-01	2.12E-01	1.65E+01	4.63E-01	4.62E-02	1.72E+01
2277	494461.06	3859951.99	2.51946	1.52688	4.3126	0.80522	1.92E-01	1.63E+01	4.77E-01	4.60E-02	1.70E+01	1.87E-01	6.88E-05	4.77E-02	9.01E-03	2.43E-01	2.09E-01	1.63E+01	4.77E-01	4.60E-02	1.70E+01
2278	494511.06	3859951.99	2.47957	1.5277	4.3516	0.80351	1.89E-01	1.63E+01	4.81E-01	4.59E-02	1.70E+01	1.84E-01	6.89E-05	4.81E-02	8.99E-03	2.41E-01	2.06E-01	1.63E+01	4.81E-01	4.59E-02	1.70E+01
2279	494561.06	3859951.99	2.38912	1.57731	4.1623	0.80273	1.82E-01	1.68E+01	4.60E-01	4.59E-02	1.75E+01	1.77E-01	7.11E-05	4.60E-02	8.99E-03	2.32E-01	1.98E-01	1.68E+01	4.60E-01	4.59E-02	1.75E+01
2280	494611.06	3859951.99	2.40195	1.51131	4.4696	0.79977	1.83E-01	1.61E+01	4.94E-01	4.57E-02	1.69E+01	1.78E-01	6.81E-05	4.94E-02	8.95E-03	2.36E-01	1.99E-01	1.61E+01	4.94E-01	4.57E-02	1.69E+01
2281	494661.06	3859951.99	2.31166	1.53257	4.3748	0.79846	1.76E-01	1.64E+01	4.84E-01	4.57E-02	1.71E+01	1.71E-01	6.91E-05	4.84E-02	8.94E-03	2.29E-01	1.92E-01	1.64E+01	4.84E-01	4.57E-02	1.71E+01
2282	494711.06	3859951.99	2.32713	1.4731	4.6409	0.79563	1.77E-01	1.57E+01	5.13E-01	4.55E-02	1.65E+01	1.72E-01	6.64E-05	5.13E-02	8.91E-03	2.33E-01	1.93E-01	1.57E+01	5.13E-01	4.55E-02	1.65E+01
2283	494761.06	3859951.99	2.33662	1.47043	4.6315	0.79389	1.78E-01	1.57E+01	5.12E-01	4.54E-02	1.64E+01	1.73E-01	6.63E-05	5.12E-02	8.89E-03	2.33E-01	1.94E-01	1.57E+01	5.12E-01	4.54E-02	1.64E+01
2284	494811.06	3859951.99	2.34692	1.46021	4.6456	0.79201	1.79E-01	1.56E+01	5.14E-01	4.53E-02	1.63E+01	1.74E-01	6.58E-05	5.14E-02	8.87E-03	2.34E-01	1.95E-01	1.56E+01	5.14E-01	4.53E-02	1.63E+01
2285	494861.06	3859951.99	2.34216	1.46599	4.5713	0.79043	1.79E-01	1.56E+01	5.05E-01	4.52E-02	1.64E+01	1.73E-01	6.61E-05	5.05E-02	8.85E-03	2.33E-01	1.94E-01	1.56E+01	5.05E-01	4.52E-02	1.64E+01
2286	494911.06	3859951.99	2.36	1.43277	4.673	0.78813	1.80E-01	1.53E+01	5.17E-01	4.51E-02	1.60E+01	1.75E-01	6.46E-05	5.17E-02	8.82E-03	2.35E-01	1.96E-01	1.53E+01	5.17E-01	4.51E-02	1.60E+01
2287	494961.06	3859951.99	2.37042	1.40441	4.7407	0.78594	1.81E-01	1.50E+01	5.24E-01	4.49E-02	1.57E+01	1.75E-01	6.33E-05	5.24E-02	8.80E-03	2.37E-01	1.97E-01	1.50E+01	5.24E-01	4.49E-02	1.58E+01
2288	495011.06	3859951.99	2.37305	1.381	4.7735	0.78384	1.81E-01	1.47E+01	5.28E-01	4.48E-02	1.55E+01	1.76E-01	6.23E-05	5.28E-02	8.77E-03	2.37E-01	1.97E-01	1.47E+01	5.28E-01	4.48E-02	1.55E+01
2289	495061.06	3859951.99	2.36704	1.36602	4.7544	0.78334	1.80E-01	1.46E+01	5.26E-01	4.48E-02	1.53E+01	1.75E-01	6.16E-05	5.26E-02	8.77E-03	2.37E-01	1.97E-01	1.46E+01	5.26E-01	4.48E-02	1.53E+01
2290	495111.06	3859951.99	2.3666	1.33322	4.8106	0.82205	1.80E-01	1.42E+01	5.32E-01	4.70E-02	1.50E+01	1.75E-01	6.01E-05	5.32E-02	9.20E-03	2.38E-01	1.96E-01	1.42E+01	5.32E-01	4.70E-02	1.50E+01
2291	495161.06	3859951.99	2.3601	1.30245	4.8455	0.85751	1.80E-01	1.39E+01	5.36E-01	4.90E-02	1.47E+01	1.75E-01	5.87E-05	5.36E-02	9.60E-03	2.38E-01	1.96E-01	1.39E+01	5.36E-01	4.90E-02	1.47E+01
2292	495211.06	3859951.99	2.34844	1.27279	4.8633	0.8911	1.79E-01	1.36E+01	5.38E-01	5.10E-02	1.44E+01	1.74E-01	5.74E-05	5.38E-02	9.98E-03	2.38E-01	1.95E-01	1.36E+01	5.38E-01	5.10E-02	1.44E+01
2293	495261.06	3859951.99	2.33032	1.25267	4.8256	0.90942	1.78E-01	1.34E+01	5.34E-01	5.20E-02	1.41E+01	1.73E-01	5.65E-05	5.34E-02	1.02E-02	2.36E-01	1.93E-01	1.34E+01	5.34E-01	5.20E-02	1.41E+01
2294	495311.06	3859951.99	2.30364	1.24975	4.7	0.90017	1.76E-01	1.33E+01	5.20E-01	5.15E-02	1.41E+01	1.71E-01	5.63E-05	5.20E-02	1.01E-02	2.33E-01	1.91E-01	1.33E+01	5.20E-01	5.15E-02	1.41E+01
2295	495361.06	3859951.99	2.27825	1.23388	4.6261	0.91168	1.74E-01	1.32E+01	5.11E-01	5.21E-02	1.39E+01	1.69E-01	5.56E-05	5.11E-02	1.02E-02	2.30E-01	1.89E-01	1.32E+01	5.11E-01	5.21E-02	1.39E+01
2296	495411.06	3859951.99	2.2542	1.20421	4.6044	0.94539	1.72E-01	1.29E+01	5.09E-01	5.41E-02	1.36E+01	1.67E-01	5.43E-05	5.09E-02	1.06E-02	2.28E-01	1.87E-01	1.29E+01	5.09E-01	5.41E-02	1.36E+01
2297	495461.06	3859951.99	2.22554	1.18009	4.5489	0.96997	1.70E-01	1.26E+01	5.03E-01	5.55E-02	1.33E+01	1.65E-01	5.32E-05	5.03E-02	1.09E-02	2.26E-01	1.85E-01	1.26E+01	5.03E-01	5.55E-02	1.33E+01
2298	495511.06	3859951.99	2.19417	1.15486	4.4887	0.9958	1.67E-01	1.23E+01	4.96E-01	5.69E-02	1.30E+01	1.62E-01	5.21E-05	4.96E-02	1.11E-02	2.23E-01	1.82E-01	1.23E+01	4.96E-01	5.69E-02	1.31E+01
2299	495561.06	3859951.99	2.1545	1.15585	4.349	0.98098	1.64E-01	1.23E+01	4.81E-01	5.61E-02	1.30E+01	1.60E-01	5.21E-05	4.81E-02	1.10E-02	2.19E-01	1.79E-01	1.23E+01	4.81E-01	5.61E-02	1.31E+01
2300	495611.06	3859951.99	2.11903	1.12765	4.5555	1.01129	1.62E-01	1.20E+01	5.04E-01	5.78E-02	1.28E+01	1.57E-01	5.08E-05	5.04E-02	1.13E-02	2.19E-01	1.76E-01	1.20E+01	5.04E-01	5.78E-02	1.28E+01
2301	495661.06	3859951.99	2.0823	1.11159	4.8599	1.05236	1.59E-01	1.19E+01	5.37E-01	6.02E-02	1.26E+01	1.54E-01	5.01E-05	5.37E-02	1.18E-02	2.20E-01	1.73E-01	1.19E+01	5.37E-01	6.02E-02	1.26E+01
2302	494311.06	3860001.99	2.57592	1.65104	3.5479	0.80939	1.96E-01	1.76E+01	3.92E-01	4.63E-02	1.83E+01	1.91E-01	7.44E-05	3.92E-02	9.06E-03	2.39E-01	2.14E-01	1.76E+01	3.92E-01	4.63E-02	1.83E+01
2303	494361.06	3860001.99	2.5491	1.63487	3.4708	0.80736	1.94E-01	1.74E+01	3.84E-01	4.62E-02	1.81E+01	1.89E-01	7.37E-05	3.84E-02	9.04E-03	2.36E-01	2.12E-01	1.74E+01	3.84E-01	4.62E-02	1.81E+01
2304	494411.06	3860001.99	2.52048	1.59242	3.6106	0.80483	1.92E-01	1.70E+01	3.99E-01	4.60E-02	1.76E+01	1.87E-01	7.18E-05	3.99E-02	9.01E-03	2.36E-01	2.09E-01	1.70E+01	3.99E-01	4.60E-02	1.76E+01
2305	494461.06	3860001.99	2.49062	1.59061	3.7039	0.8031	1.90E-01	1.70E+01	4.10E-01	4.59E-02	1.76E+01	1.84E-01	7.17E-05	4.10E-02	8.99E-03	2.34E-01	2.07E-01	1.70E+01	4.10E-01	4.59E-02	1.76E+01
2306	494511.06	3860001.99	2.45894	1.56484	3.8793	0.80091	1.87E-01	1.67E+01	4.29E-01	4.58E-02	1.74E+01	1.82E-01	7.05E-05	4.29E-02	8.97E-03	2.34E-01	2.04E-01	1.67E+01	4.29E-01	4.58E-02	1.74E+01
2307	494561.06	3860001.99	2.42713	1.63745	3.6611	0.80061	1.85E-01	1.75E+01	4.05E-01	4.58E-02	1.81E+01	1.80E-01	7.38E-05	4.05E-02	8.96E-03	2.29E-01	2.02E-01	1.75E+01	4.05E-01	4.58E-02	1.81E+01
2308	494611.06	3860001.99	2.39276	1.60523	3.8372	0.7983	1.82E-01	1.71E+01	4.24E-01	4.56E-02	1.78E+01	1.77E-01	7.24E-05	4.24E-02	8.94E-03	2.29E-01	1.99E-01	1.71E+01	4.24E-01	4.56E-02	1.78E+01
2309	494661.06	3860001.99	2.35765	1.59952	3.9	0.79651	1.80E-01	1.71E+01	4.31E-01	4.55E-02	1.77E+01	1.75E-01	7.21E-05	4.31E-02	8.92E-03	2.27E-01	1.96E-01	1.71E+01	4.31E-01	4.55E-02	1.77E+01
2310	494711.06	3860001.99	2.3666	1.51098	4.3104	0.79316	1.80E-01	1.61E+01	4.77E-01	4.54E-02	1.68E+01	1.75E-01	6.81E-05	4.77E-02	8.88E-03	2.32E-01	1.96E-01	1.61E+01	4.77E-01	4.54E-02	1.68E+01
2311	494761.06	3860001.99	2.28349	1.54494	4.1813	0.79213	1.74E-01	1.65E+01	4.62E-01	4.53E-02	1.72E+01	1.69E-01	6.96E-05	4.62E-02	8.87E-03	2.24E-01	1.90E-01	1.65E+01	4.62E-01	4.53E-02	1.72E+01
2312	494811.06	3860001.99	2.24534	1.54371	4.1947	0.79044	1.71E-01	1.65E+01	4.64E-01	4.52E-02	1.72E+01	1.66E-01	6.96E-05	4.64E-02	8.85E-03	2.22E-01	1.86E-01	1.65E+01	4.64E-01	4.52E-02	1.72E+01
2313	494861.06	3860001.99	2.20654	1.54855	4.1686	0.78887	1.68E-01	1.65E+01	4.61E-01	4.51E-02	1.72E+01	1.63E-01	6.98E-05	4.61E-02	8.83E-03	2.18E-01	1.83E-01	1.65E+01	4.61E-01	4.51E-02	1.72E+01
2314	494911.06	3860001.99	2.29963	1.46811	4.5205	0.78575	1.75E-01	1.57E+01	5.00E-01	4.49E-02	1.64E+01	1.70E-01	6.62E-05	5.00E-02	8.80E-03	2.29E-01	1.91E-01	1.57E+01	5.00E-01	4.49E-02	1.64E+01

2315	494961.06	3860001.99	2.30078	1.46931	4.4947	0.78411	1.75E-01	1.57E+01	4.97E-01	4.48E-02	1.64E+01	1.70E-01	6.62E-05	4.97E-02	8.78E-03	2.29E-01	1.91E-01	1.57E+01	4.97E-01	4.48E-02	1.64E+01
2316	495011.06	3860001.99	2.31881	1.44187	4.5888	0.78197	1.77E-01	1.54E+01	5.07E-01	4.47E-02	1.61E+01	1.72E-01	6.50E-05	5.07E-02	8.75E-03	2.31E-01	1.93E-01	1.54E+01	5.07E-01	4.47E-02	1.61E+01
2317	495061.06	3860001.99	2.31172	1.44368	4.532	0.78037	1.76E-01	1.54E+01	5.01E-01	4.46E-02	1.61E+01	1.71E-01	6.51E-05	5.01E-02	8.74E-03	2.30E-01	1.92E-01	1.54E+01	5.01E-01	4.46E-02	1.61E+01
2318	495111.06	3860001.99	2.32407	1.41355	4.6191	0.7782	1.77E-01	1.51E+01	5.11E-01	4.45E-02	1.58E+01	1.72E-01	6.37E-05	5.11E-02	8.71E-03	2.32E-01	1.93E-01	1.51E+01	5.11E-01	4.45E-02	1.58E+01
2319	495161.06	3860001.99	2.33173	1.38423	4.6946	0.77603	1.78E-01	1.48E+01	5.19E-01	4.44E-02	1.55E+01	1.73E-01	6.24E-05	5.19E-02	8.69E-03	2.33E-01	1.94E-01	1.48E+01	5.19E-01	4.44E-02	1.55E+01
2320	495211.06	3860001.99	2.31689	1.38369	4.6219	0.7744	1.77E-01	1.48E+01	5.11E-01	4.43E-02	1.55E+01	1.72E-01	6.24E-05	5.11E-02	8.67E-03	2.31E-01	1.92E-01	1.48E+01	5.11E-01	4.43E-02	1.55E+01
2321	495261.06	3860001.99	2.31425	1.35742	4.6593	0.7911	1.76E-01	1.45E+01	5.15E-01	4.52E-02	1.52E+01	1.71E-01	6.12E-05	5.15E-02	8.86E-03	2.32E-01	1.92E-01	1.45E+01	5.15E-01	4.52E-02	1.52E+01
2322	495311.06	3860001.99	2.30155	1.34299	4.6296	0.80194	1.75E-01	1.43E+01	5.12E-01	4.59E-02	1.51E+01	1.70E-01	6.05E-05	5.12E-02	8.98E-03	2.31E-01	1.91E-01	1.43E+01	5.12E-01	4.59E-02	1.51E+01
2323	495361.06	3860001.99	2.30099	1.29392	4.7503	0.87158	1.75E-01	1.38E+01	5.25E-01	4.98E-02	1.46E+01	1.70E-01	5.83E-05	5.25E-02	9.76E-03	2.33E-01	1.91E-01	1.38E+01	5.25E-01	4.98E-02	1.46E+01
2324	495411.06	3860001.99	2.27265	1.29891	4.6086	0.84857	1.73E-01	1.39E+01	5.10E-01	4.85E-02	1.46E+01	1.68E-01	5.86E-05	5.10E-02	9.50E-03	2.29E-01	1.89E-01	1.39E+01	5.10E-01	4.85E-02	1.46E+01
2325	495461.06	3860001.99	2.25266	1.277	4.5815	0.87114	1.72E-01	1.36E+01	5.07E-01	4.98E-02	1.44E+01	1.67E-01	5.76E-05	5.07E-02	9.75E-03	2.27E-01	1.87E-01	1.36E+01	5.07E-01	4.98E-02	1.44E+01
2326	495511.06	3860001.99	2.22861	1.25646	4.538	0.89091	1.70E-01	1.34E+01	5.02E-01	5.09E-02	1.41E+01	1.65E-01	5.66E-05	5.02E-02	9.97E-03	2.25E-01	1.85E-01	1.34E+01	5.02E-01	5.09E-02	1.41E+01
2327	495561.06	3860001.99	2.19734	1.25068	4.4238	0.88571	1.67E-01	1.33E+01	4.89E-01	5.06E-02	1.41E+01	1.63E-01	5.64E-05	4.89E-02	9.91E-03	2.22E-01	1.82E-01	1.33E+01	4.89E-01	5.06E-02	1.41E+01
2328	495611.06	3860001.99	2.17222	1.21849	4.418	0.92713	1.66E-01	1.30E+01	4.88E-01	5.30E-02	1.37E+01	1.61E-01	5.49E-05	4.88E-02	1.04E-02	2.20E-01	1.80E-01	1.30E+01	4.88E-01	5.30E-02	1.37E+01
2329	495661.06	3860001.99	2.14347	1.18862	4.3925	0.96411	1.63E-01	1.27E+01	4.86E-01	5.51E-02	1.34E+01	1.59E-01	5.36E-05	4.86E-02	1.08E-02	2.18E-01	1.78E-01	1.27E+01	4.86E-01	5.51E-02	1.34E+01
2330	494411.06	3860051.99	2.53375	1.65265	3.5814	0.8001	1.93E-01	1.76E+01	3.96E-01	4.58E-02	1.83E+01	1.88E-01	7.45E-05	3.96E-02	8.96E-03	2.36E-01	2.10E-01	1.76E+01	3.96E-01	4.58E-02	1.83E+01
2331	494461.06	3860051.99	2.50818	1.63678	3.511	0.79814	1.91E-01	1.75E+01	3.88E-01	4.56E-02	1.81E+01	1.86E-01	7.38E-05	3.88E-02	8.93E-03	2.34E-01	2.08E-01	1.75E+01	3.88E-01	4.56E-02	1.81E+01
2332	494511.06	3860051.99	2.48173	1.62589	3.4366	0.79628	1.89E-01	1.74E+01	3.80E-01	4.55E-02	1.80E+01	1.84E-01	7.33E-05	3.80E-02	8.91E-03	2.31E-01	2.06E-01	1.74E+01	3.80E-01	4.55E-02	1.80E+01
2333	494561.06	3860051.99	2.45313	1.66588	3.3632	0.79532	1.87E-01	1.78E+01	3.72E-01	4.55E-02	1.84E+01	1.82E-01	7.51E-05	3.72E-02	8.90E-03	2.28E-01	2.04E-01	1.78E+01	3.72E-01	4.55E-02	1.84E+01
2334	494611.06	3860051.99	2.42367	1.67353	3.3101	0.79378	1.85E-01	1.79E+01	3.66E-01	4.54E-02	1.85E+01	1.79E-01	7.54E-05	3.66E-02	8.89E-03	2.25E-01	2.01E-01	1.79E+01	3.66E-01	4.54E-02	1.85E+01
2335	494661.06	3860051.99	2.39232	1.67168	3.3918	0.79208	1.82E-01	1.78E+01	3.75E-01	4.53E-02	1.84E+01	1.77E-01	7.54E-05	3.75E-02	8.87E-03	2.24E-01	1.99E-01	1.78E+01	3.75E-01	4.53E-02	1.85E+01
2336	494711.06	3860051.99	2.35987	1.62179	3.629	0.78953	1.80E-01	1.73E+01	4.01E-01	4.51E-02	1.79E+01	1.75E-01	7.31E-05	4.01E-02	8.84E-03	2.24E-01	1.96E-01	1.73E+01	4.01E-01	4.51E-02	1.79E+01
2337	494761.06	3860051.99	2.32618	1.62349	3.6857	0.7879	1.77E-01	1.73E+01	4.07E-01	4.51E-02	1.80E+01	1.72E-01	7.32E-05	4.07E-02	8.82E-03	2.22E-01	1.93E-01	1.73E+01	4.07E-01	4.51E-02	1.80E+01
2338	494811.06	3860051.99	2.29168	1.64343	3.665	0.7866	1.75E-01	1.75E+01	4.05E-01	4.50E-02	1.82E+01	1.70E-01	7.41E-05	4.05E-02	8.81E-03	2.19E-01	1.90E-01	1.75E+01	4.05E-01	4.50E-02	1.82E+01
2339	494861.06	3860051.99	2.25591	1.65602	3.6584	0.78519	1.72E-01	1.77E+01	4.04E-01	4.49E-02	1.83E+01	1.67E-01	7.47E-05	4.04E-02	8.79E-03	2.16E-01	1.87E-01	1.77E+01	4.04E-01	4.49E-02	1.83E+01
2340	494911.06	3860051.99	2.21933	1.62086	3.8202	0.78292	1.69E-01	1.73E+01	4.22E-01	4.48E-02	1.79E+01	1.64E-01	7.31E-05	4.22E-02	8.76E-03	2.15E-01	1.84E-01	1.73E+01	4.22E-01	4.48E-02	1.79E+01
2341	494961.06	3860051.99	2.18152	1.58144	3.9976	0.78059	1.66E-01	1.69E+01	4.42E-01	4.46E-02	1.75E+01	1.62E-01	7.13E-05	4.42E-02	8.74E-03	2.15E-01	1.81E-01	1.69E+01	4.42E-01	4.46E-02	1.75E+01
2342	495011.06	3860051.99	2.16518	1.55109	4.1354	0.77844	1.65E-01	1.66E+01	4.57E-01	4.45E-02	1.72E+01	1.60E-01	6.99E-05	4.57E-02	8.71E-03	2.15E-01	1.80E-01	1.66E+01	4.57E-01	4.45E-02	1.72E+01
2343	495061.06	3860051.99	2.1721	1.53252	4.2161	0.7765	1.66E-01	1.64E+01	4.66E-01	4.44E-02	1.70E+01	1.61E-01	6.91E-05	4.66E-02	8.69E-03	2.16E-01	1.80E-01	1.64E+01	4.66E-01	4.44E-02	1.70E+01
2344	495111.06	3860051.99	2.17483	1.49585	4.3674	0.77427	1.66E-01	1.60E+01	4.83E-01	4.43E-02	1.67E+01	1.61E-01	6.74E-05	4.83E-02	8.67E-03	2.18E-01	1.81E-01	1.60E+01	4.83E-01	4.43E-02	1.67E+01
2345	495161.06	3860051.99	2.26607	1.47817	4.426	0.77237	1.73E-01	1.58E+01	4.89E-01	4.42E-02	1.65E+01	1.68E-01	6.66E-05	4.89E-02	8.65E-03	2.25E-01	1.88E-01	1.58E+01	4.89E-01	4.42E-02	1.65E+01
2346	495211.06	3860051.99	2.28033	1.45231	4.5113	0.77034	1.74E-01	1.55E+01	4.99E-01	4.41E-02	1.62E+01	1.69E-01	6.55E-05	4.99E-02	8.62E-03	2.27E-01	1.89E-01	1.55E+01	4.99E-01	4.41E-02	1.62E+01
2347	495261.06	3860051.99	2.27757	1.44308	4.5097	0.76861	1.74E-01	1.54E+01	4.99E-01	4.40E-02	1.61E+01	1.69E-01	6.51E-05	4.99E-02	8.60E-03	2.27E-01	1.89E-01	1.54E+01	4.99E-01	4.40E-02	1.61E+01
2348	495311.06	3860051.99	2.2669	1.43878	4.4738	0.76698	1.73E-01	1.54E+01	4.95E-01	4.39E-02	1.61E+01	1.68E-01	6.49E-05	4.95E-02	8.59E-03	2.26E-01	1.88E-01	1.54E+01	4.95E-01	4.39E-02	1.61E+01
2349	495361.06	3860051.99	2.25996	1.4255	4.4685	0.7652	1.72E-01	1.52E+01	4.94E-01	4.38E-02	1.59E+01	1.67E-01	6.43E-05	4.94E-02	8.57E-03	2.25E-01	1.88E-01	1.52E+01	4.94E-01	4.38E-02	1.59E+01
2350	495411.06	3860051.99	2.25281	1.40755	4.4739	0.76335	1.72E-01	1.50E+01	4.95E-01	4.37E-02	1.57E+01	1.67E-01	6.35E-05	4.95E-02	8.55E-03	2.25E-01	1.87E-01	1.50E+01	4.95E-01	4.37E-02	1.57E+01
2351	495461.06	3860051.99	2.2462	1.38351	4.4964	0.76783	1.71E-01	1.48E+01	4.97E-01	4.39E-02	1.55E+01	1.66E-01	6.24E-05	4.97E-02	8.60E-03	2.25E-01	1.86E-01	1.48E+01	4.97E-01	4.39E-02	1.55E+01
2352	495511.06	3860051.99	2.2273	1.37304	4.4469	0.77145	1.70E-01	1.47E+01	4.92E-01	4.41E-02	1.54E+01	1.65E-01	6.19E-05	4.92E-02	8.64E-03	2.23E-01	1.85E-01	1.47E+01	4.92E-01	4.41E-02	1.54E+01
2353	495561.06	3860051.99	2.21025	1.3538	4.4268	0.79028	1.68E-01	1.44E+01	4.89E-01	4.52E-02	1.52E+01	1.64E-01	6.10E-05	4.89E-02	8.85E-03	2.21E-01	1.83E-01	1.44E+01	4.89E-01	4.52E-02	1.52E+01
2354	495611.06	3860051.99	2.19431	1.32768	4.4272	0.82118	1.67E-01	1.42E+01	4.89E-01	4.70E-02	1.49E+01	1.62E-01	5.98E-05	4.89E-02	9.19E-03	2.21E-01	1.82E-01	1.42E+01	4.89E-01	4.70E-02	1.49E+01
2355	495661.06	3860051.99	2.18019	1.28945	4.4703	0.87366	1.66E-01	1.38E+01	4.94E-01	5.00E-02	1.45E+01	1.61E-01	5.81E-05	4.94E-02	9.78E-03	2.21E-01	1.81E-01	1.38E+01	4.94E-01	5.00E-02	1.45E+01
2356	494411.06	3860101.99	2.53403	1.68443	3.718	0.79164	1.93E-01	1.80E+01	4.11E-01	4.53E-02	1.86E+01	1.88E-01	7.59E-05	4.11E-02	8.86E-03	2.38E-01	2.10E-01	1.80E+01	4.11E-01	4.53E-02	1.86E+01
2357	494461.06	3860101.99	2.514	1.71798	3.6671	0.7907	1.92E-01	1.83E+01	4.05E-01	4.52E-02	1.90E+01	1.86E-01	7.74E-05	4.05E-02	8.85E-03	2.36E-01	2.09E-01	1.83E+01	4.05E-01	4.52E-02	1.90E+01
2358	494511.06	3860101.99	2.49203	1.67866	3.6066	0.78847	1.90E-01	1.79E+01	3.99E-01	4.51E-02	1.85E+01	1.84E-01	7.57E-05	3.99E-02	8.83E-03	2.33E-01	2.07E-01	1.79E+01	3.99E-01	4.51E-02	1.86E+01
2359	494561.06	3860101.99	2.46823	1.69217	3.545	0.78716	1.88E-01	1.81E+01	3.92E-01	4.50E-02	1.87E+01	1.83E-01	7.63E-05	3.92E-02	8.81E-03	2.31E-01	2.05E-01	1.81E+01	3.92E-01	4.50E-02	1.87E+01
2360	494611.06	3860101.99	2.44235	1.72996	3.4832	0.78628	1.86E-01	1.85E+01	3.85E-01	4.50E-02	1.91E+01	1.81E-01	7.80E-05	3.85E-02	8.80E-03	2.28E-01	2.03E-01	1.85E+01	3.85E-01	4.50E-02	1.91E+01
2361	494661.06	3860101.99	2.41498	1.73588	3.4148	0.78485	1.84E-01	1.85E+01	3.78E-01	4.49E-02	1.91E+01	1.79E-01	7.83E-05	3.78E-02	8.79E-03	2.25E-01	2.00E-01	1.85E+01	3.78E-01	4.49E-02	1.91E+01
2362	494711.06	3860101.99	2.38743	1.69756	3.3355	0.7826	1.82E-01	1.81E+01	3.69E-01	4.48E-02	1.87E+01	1.77E-01	7.65E-05	3.69E-02	8.76E-03	2.22E-01	1.98E-01	1.81E+01	3.69E-01	4.48E-02	1.87E+01
2363	494761.06	3860101.99	2.35751	1.698	3.2595	0.78106	1.80E-01	1.81E+01	3.60E-01	4.47E-02	1.87E+01	1.75E-01	7.65E-05	3.60E-02	8.74E-03	2.19E-01	1.96E-01	1.81E+01	3.60E-01	4.47E-02	1.87E+01
2364	494811.06	3860101.99	2.32659	1.70124	3.2672	0.77957	1.77E-01	1.82E+01	3.61E-01	4.46E-02	1.87E+01	1.72E-01	7.67E-05	3.61E-02	8.73E-03	2.17E-01	1.93E-01	1.82E+01	3.61E-01	4.46E-02	1.88E+01
2365	494861.06	3860101.99	2.29243	1.7577	3.3048	0.77921	1.75E-01	1.88E+01	3.65E-01	4.46E-02	1.93E+01	1.70E-01	7.92E-05	3.65E-02	8.72E-03	2.15E-01	1.90E-01	1.88E+01	3.65E-01	4.46E-02	1.94E+01
2366	494911.06	3860101.99	2.26169	1.66076	3.5223	0.77575	1.72E-01	1.77E+01	3.89E-01	4.44E-02	1.83E+01	1.67E-01	7.49E-05	3.89E-02	8.68E-03	2.15E-01	1.88E-01	1.77E+01	3.89E-01	4.44E-02	1.83E+01
2367	494961.06	3860101.99	2.22774	1.65421	3.5965	0.7741	1.70E-01	1.77E+01	3.98E-01	4.43E-02	1.83E+01	1.65E-01	7.46E-05	3.98E-02	8.67E-03	2.13E-01	1.85E-01	1.77E+01	3.98E-01	4.43E-02	1.83E+01
2368	495011.06	3860101.99	2.19245	1.62661	3.7387	0.77208	1.67E-01	1.74E+01	4.13E-01	4.42E-02	1.80E+01	1.62E-01	7.33E-05	4.13E-02	8.64E-03	2.12E-01	1.82E-01	1.74E+01	4.13E-01	4.42E-02	1.80E+01
2369	495061.06	3860101.99	2.15673	1.60277	3.8636	0.77014	1.64E-01	1.71E+01	4.27E-01	4.40E-02	1.77E+01	1.60E-01	7.23E-05	4.27E-02	8.62E-03	2.11E-01	1.79E-01	1.71E+01	4.27E-01	4.40E-02	1.78E+01
2370	495111.06	3860101.99	2.13172	1.56488	4.0396	0.76797	1.62E-01	1.67E+01	4.47E-01	4.39E-02	1.74E+01	1.58E-01	7.05E-05	4.47E-02	8.60E-03	2.11E-01	1.77E-01	1.67E+01	4.47E-01	4.39E-02	1.74E+01
2371	495161.06	3860101.99	2.13962	1.56123	4.0715	0.76639	1.63E-01	1.67E+01	4.50E-01	4.38E-02	1.73E+01	1.58E-01	7.04E-05	4.50E-02	8.58E-03	2.12E-01	1.78E-01	1.67E+01	4.50E-01	4.38E-02	1.73E+01
2372	495211.06	3860101.99	2.14512	1.54504	4.1451	0.76461	1.64E-01	1.65E+01	4.58E-01	4.37E-02	1.72E+01	1.59E-01	6.96E-05	4.58E-02	8.56E-03	2.13E-01	1.78E-01	1.65E+01	4.58E-01	4.37E-02	1.72E+01
2373	495261.06	3860101.99	2.14663	1.52753	4.2153	0.76281	1.64E-01	1.63E+01	4.66E-01	4.36E-02	1.70E+01	1.59E-01	6.89E-05	4.66E-02	8.54E-03	2.14E-01	1.78E-01	1.63E+01	4.66E-01	4.36E-02	1.70E+01
2374	495311.06	3860101.99	2.14543	1.51586	4.2505	0.76112	1.64E-01	1.62E+01	4.70E-01	4.35E-02	1.69E+01	1.59E-01	6.83E-05	4.70E-02	8.52E-03	2.14E-01	1.78E-01	1.62E+01	4.70E-01	4.35E-02	1.69E+01
2375	495361.06	3860101.99	2.14112	1.51423	4.2318	0.75961	1.63E-01	1.62E+01	4.68E-01	4.34E-02	1.68E+01	1.59E-01	6.83E-05	4.68E-02	8.50E-03	2.14E-01	1.78E-01	1.62E+01	4.68E-01	4.34E-02	1.68E+01

2376	495411.06	3860101.99	2.13376	1.4949	4.2798	0.75781	1.63E-01	1.60E+01	4.73E-01	4.33E-02	1.66E+01	1.58E-01	6.74E-05	4.73E-02	8.48E-03	2.14E-01	1.77E-01	1.60E+01	4.73E-01	4.33E-02	1.66E+01
2377	495461.06	3860101.99	2.22141	1.45757	4.3982	0.75573	1.69E-01	1.56E+01	4.86E-01	4.32E-02	1.63E+01	1.64E-01	6.57E-05	4.86E-02	8.46E-03	2.22E-01	1.84E-01	1.56E+01	4.86E-01	4.32E-02	1.63E+01
2378	495511.06	3860101.99	2.20452	1.45529	4.3506	0.75423	1.68E-01	1.55E+01	4.81E-01	4.31E-02	1.62E+01	1.63E-01	6.56E-05	4.81E-02	8.44E-03	2.20E-01	1.83E-01	1.55E+01	4.81E-01	4.31E-02	1.62E+01
2379	495561.06	3860101.99	2.18518	1.45127	4.3006	0.75271	1.67E-01	1.55E+01	4.75E-01	4.30E-02	1.62E+01	1.62E-01	6.54E-05	4.75E-02	8.43E-03	2.18E-01	1.81E-01	1.55E+01	4.75E-01	4.30E-02	1.62E+01
2380	495611.06	3860101.99	2.19273	1.41301	4.3929	0.75065	1.67E-01	1.51E+01	4.86E-01	4.29E-02	1.58E+01	1.62E-01	6.37E-05	4.86E-02	8.40E-03	2.19E-01	1.82E-01	1.51E+01	4.86E-01	4.29E-02	1.58E+01
2381	495661.06	3860101.99	2.17844	1.39562	4.3822	0.7559	1.66E-01	1.49E+01	4.84E-01	4.32E-02	1.56E+01	1.61E-01	6.29E-05	4.84E-02	8.46E-03	2.18E-01	1.81E-01	1.49E+01	4.84E-01	4.32E-02	1.56E+01
2382	494861.06	3860151.99	2.31579	1.84122	3.3478	0.7707	1.77E-01	1.96E+01	3.70E-01	4.41E-02	2.02E+01	1.71E-01	8.30E-05	3.70E-02	8.63E-03	2.17E-01	1.92E-01	1.96E+01	3.70E-01	4.41E-02	2.03E+01
2383	494911.06	3860151.99	2.29271	1.73921	3.2406	0.76705	1.75E-01	1.86E+01	3.58E-01	4.39E-02	1.91E+01	1.70E-01	7.84E-05	3.58E-02	8.59E-03	2.14E-01	1.90E-01	1.86E+01	3.58E-01	4.39E-02	1.92E+01
2384	494961.06	3860151.99	2.2627	1.71846	3.2095	0.76526	1.72E-01	1.83E+01	3.55E-01	4.38E-02	1.89E+01	1.68E-01	7.75E-05	3.55E-02	8.57E-03	2.12E-01	1.88E-01	1.83E+01	3.55E-01	4.38E-02	1.89E+01
2385	495011.06	3860151.99	2.23145	1.69237	3.3091	0.76337	1.70E-01	1.81E+01	3.66E-01	4.37E-02	1.86E+01	1.65E-01	7.63E-05	3.66E-02	8.55E-03	2.10E-01	1.85E-01	1.81E+01	3.66E-01	4.37E-02	1.87E+01
2386	495061.06	3860151.99	2.19935	1.66685	3.4492	0.76151	1.68E-01	1.78E+01	3.81E-01	4.35E-02	1.84E+01	1.63E-01	7.51E-05	3.81E-02	8.52E-03	2.10E-01	1.83E-01	1.78E+01	3.81E-01	4.35E-02	1.84E+01
2387	495111.06	3860151.99	2.16576	1.65116	3.5548	0.75982	1.65E-01	1.76E+01	3.93E-01	4.34E-02	1.82E+01	1.60E-01	7.44E-05	3.93E-02	8.51E-03	2.08E-01	1.80E-01	1.76E+01	3.93E-01	4.34E-02	1.82E+01
2388	495161.06	3860151.99	2.13154	1.63958	3.641	0.75821	1.62E-01	1.75E+01	4.03E-01	4.34E-02	1.81E+01	1.58E-01	7.39E-05	4.03E-02	8.49E-03	2.07E-01	1.77E-01	1.75E+01	4.03E-01	4.34E-02	1.81E+01
2389	495211.06	3860151.99	2.09759	1.62105	3.7452	0.75649	1.60E-01	1.73E+01	4.14E-01	4.33E-02	1.79E+01	1.55E-01	7.31E-05	4.14E-02	8.47E-03	2.05E-01	1.74E-01	1.73E+01	4.14E-01	4.33E-02	1.79E+01
2390	495261.06	3860151.99	2.10778	1.61141	3.8101	0.75492	1.61E-01	1.72E+01	4.21E-01	4.32E-02	1.78E+01	1.56E-01	7.26E-05	4.21E-02	8.45E-03	2.07E-01	1.75E-01	1.72E+01	4.21E-01	4.32E-02	1.78E+01
2391	495311.06	3860151.99	2.11455	1.59993	3.8735	0.75333	1.61E-01	1.71E+01	4.28E-01	4.31E-02	1.77E+01	1.57E-01	7.21E-05	4.28E-02	8.43E-03	2.08E-01	1.76E-01	1.71E+01	4.28E-01	4.31E-02	1.77E+01
2392	495361.06	3860151.99	2.11813	1.59093	3.9187	0.75179	1.61E-01	1.70E+01	4.33E-01	4.30E-02	1.76E+01	1.57E-01	7.17E-05	4.33E-02	8.42E-03	2.09E-01	1.76E-01	1.70E+01	4.33E-01	4.30E-02	1.76E+01
2393	495411.06	3860151.99	2.1186	1.57475	3.9835	0.75013	1.61E-01	1.68E+01	4.40E-01	4.29E-02	1.75E+01	1.57E-01	7.10E-05	4.40E-02	8.40E-03	2.09E-01	1.76E-01	1.68E+01	4.40E-01	4.29E-02	1.75E+01
2394	495461.06	3860151.99	2.11575	1.55995	4.0342	0.74851	1.61E-01	1.66E+01	4.46E-01	4.28E-02	1.73E+01	1.57E-01	7.03E-05	4.46E-02	8.38E-03	2.10E-01	1.76E-01	1.66E+01	4.46E-01	4.28E-02	1.73E+01
2395	495511.06	3860151.99	2.11005	1.53639	4.1128	0.74675	1.61E-01	1.64E+01	4.55E-01	4.27E-02	1.71E+01	1.56E-01	6.93E-05	4.55E-02	8.36E-03	2.10E-01	1.75E-01	1.64E+01	4.55E-01	4.27E-02	1.71E+01
2396	495561.06	3860151.99	2.1016	1.52654	4.1252	0.74522	1.60E-01	1.63E+01	4.56E-01	4.26E-02	1.69E+01	1.56E-01	6.88E-05	4.56E-02	8.34E-03	2.10E-01	1.74E-01	1.63E+01	4.56E-01	4.26E-02	1.70E+01
2397	495611.06	3860151.99	2.08992	1.5038	4.1827	0.74349	1.59E-01	1.60E+01	4.62E-01	4.25E-02	1.67E+01	1.55E-01	6.78E-05	4.62E-02	8.32E-03	2.09E-01	1.74E-01	1.60E+01	4.62E-01	4.25E-02	1.67E+01
2398	495661.06	3860151.99	2.07577	1.47668	4.2502	0.74171	1.58E-01	1.58E+01	4.70E-01	4.24E-02	1.64E+01	1.54E-01	6.66E-05	4.70E-02	8.30E-03	2.09E-01	1.72E-01	1.58E+01	4.70E-01	4.24E-02	1.64E+01
2399	495718.25	3859442.96	1.46106	0.67999	10.518	1.09826	1.11E-01	7.26E+00	1.16E+00	6.28E-02	8.59E+00	1.08E-01	3.07E-05	1.16E-01	1.23E-02	2.37E-01	1.21E-01	7.26E+00	1.16E+00	6.28E-02	8.60E+00
2400	495818.25	3859442.96	1.44266	0.66189	9.9219	1.04733	1.10E-01	7.06E+00	1.10E+00	5.99E-02	8.33E+00	1.07E-01	2.98E-05	1.10E-01	1.17E-02	2.28E-01	1.20E-01	7.06E+00	1.10E+00	5.99E-02	8.34E+00
2401	495918.25	3859442.96	1.43201	0.64899	9.369	1.01189	1.09E-01	6.93E+00	1.04E+00	5.79E-02	8.13E+00	1.06E-01	2.93E-05	1.04E-01	1.13E-02	2.21E-01	1.19E-01	6.93E+00	1.04E+00	5.79E-02	8.14E+00
2402	496018.25	3859442.96	1.42123	0.63817	8.8443	0.98193	1.08E-01	6.81E+00	9.78E-01	5.62E-02	7.95E+00	1.05E-01	2.88E-05	9.78E-02	1.10E-02	2.14E-01	1.18E-01	6.81E+00	9.78E-01	5.62E-02	7.96E+00
2403	496118.25	3859442.96	1.45052	0.64152	8.572	1.0144	1.11E-01	6.85E+00	9.48E-01	5.80E-02	7.96E+00	1.07E-01	2.89E-05	9.48E-02	1.14E-02	2.14E-01	1.20E-01	6.85E+00	9.48E-01	5.80E-02	7.97E+00
2404	496218.25	3859442.96	1.46606	0.64295	8.2129	1.03146	1.12E-01	6.86E+00	9.08E-01	5.90E-02	7.94E+00	1.09E-01	2.90E-05	9.08E-02	1.15E-02	2.11E-01	1.22E-01	6.86E+00	9.08E-01	5.90E-02	7.95E+00
2405	496318.25	3859442.96	1.44284	0.63404	7.747	1.00303	1.10E-01	6.77E+00	8.57E-01	5.74E-02	7.79E+00	1.07E-01	2.86E-05	8.57E-02	1.12E-02	2.04E-01	1.20E-01	6.77E+00	8.57E-01	5.74E-02	7.80E+00
2406	496418.25	3859442.96	1.41187	0.62484	7.2831	0.97012	1.08E-01	6.67E+00	8.05E-01	5.55E-02	7.64E+00	1.05E-01	2.82E-05	8.05E-02	1.09E-02	1.96E-01	1.17E-01	6.67E+00	8.05E-01	5.55E-02	7.65E+00
2407	495718.25	3859542.96	1.56655	0.69986	11.849	1.20255	1.19E-01	7.47E+00	1.31E+00	6.88E-02	8.97E+00	1.16E-01	3.15E-05	1.31E-01	1.35E-02	2.60E-01	1.30E-01	7.47E+00	1.31E+00	6.88E-02	8.98E+00
2408	495818.25	3859542.96	1.53395	0.68644	11.58	1.19008	1.17E-01	7.33E+00	1.28E+00	6.81E-02	8.79E+00	1.14E-01	3.09E-05	1.28E-01	1.33E-02	2.55E-01	1.27E-01	7.33E+00	1.28E+00	6.81E-02	8.80E+00
2409	495918.25	3859542.96	1.49402	0.67068	11.278	1.16484	1.14E-01	7.16E+00	1.25E+00	6.66E-02	8.58E+00	1.11E-01	3.02E-05	1.25E-01	1.30E-02	2.48E-01	1.24E-01	7.16E+00	1.25E+00	6.66E-02	8.59E+00
2410	496018.25	3859542.96	1.47128	0.65792	10.905	1.14014	1.12E-01	7.02E+00	1.21E+00	6.52E-02	8.40E+00	1.09E-01	2.97E-05	1.21E-01	1.28E-02	2.42E-01	1.22E-01	7.02E+00	1.21E+00	6.52E-02	8.41E+00
2411	496118.25	3859542.96	1.50977	0.67655	10.459	1.16089	1.15E-01	7.22E+00	1.16E+00	6.64E-02	8.56E+00	1.12E-01	3.05E-05	1.16E-01	1.30E-02	2.40E-01	1.25E-01	7.22E+00	1.16E+00	6.64E-02	8.57E+00
2412	496218.25	3859542.96	1.53024	0.69316	9.9909	1.16306	1.17E-01	7.40E+00	1.10E+00	6.65E-02	8.68E+00	1.13E-01	3.12E-05	1.10E-01	1.30E-02	2.37E-01	1.27E-01	7.40E+00	1.10E+00	6.65E-02	8.70E+00
2413	496318.25	3859542.96	1.53712	0.70252	9.5381	1.15476	1.17E-01	7.50E+00	1.05E+00	6.60E-02	8.73E+00	1.14E-01	3.17E-05	1.05E-01	1.29E-02	2.32E-01	1.28E-01	7.50E+00	1.05E+00	6.60E-02	8.75E+00
2414	496418.25	3859542.96	1.51567	0.68879	9.1882	1.12424	1.16E-01	7.35E+00	1.02E+00	6.43E-02	8.55E+00	1.12E-01	3.10E-05	1.02E-01	1.26E-02	2.26E-01	1.26E-01	7.35E+00	1.02E+00	6.43E-02	8.56E+00
2415	495718.25	3859642.96	1.65443	0.74974	11.372	1.17607	1.26E-01	8.00E+00	1.26E+00	6.73E-02	9.45E+00	1.22E-01	3.38E-05	1.26E-01	1.32E-02	2.61E-01	1.37E-01	8.00E+00	1.26E+00	6.73E-02	9.46E+00
2416	495818.25	3859642.96	1.6223	0.73662	11.522	1.18708	1.24E-01	7.86E+00	1.27E+00	6.79E-02	9.33E+00	1.20E-01	3.32E-05	1.27E-01	1.33E-02	2.61E-01	1.35E-01	7.86E+00	1.27E+00	6.79E-02	9.34E+00
2417	495918.25	3859642.96	1.59921	0.73541	11.436	1.19364	1.22E-01	7.85E+00	1.26E+00	6.83E-02	9.30E+00	1.18E-01	3.32E-05	1.26E-01	1.34E-02	2.58E-01	1.33E-01	7.85E+00	1.26E+00	6.83E-02	9.31E+00
2418	496018.25	3859642.96	1.5685	0.72532	11.405	1.19399	1.20E-01	7.74E+00	1.26E+00	6.83E-02	9.19E+00	1.16E-01	3.27E-05	1.26E-01	1.34E-02	2.56E-01	1.30E-01	7.74E+00	1.26E+00	6.83E-02	9.20E+00
2419	496118.25	3859642.96	1.5712	0.76082	10.764	1.19987	1.20E-01	8.12E+00	1.19E+00	6.86E-02	9.50E+00	1.16E-01	3.43E-05	1.19E-01	1.34E-02	2.49E-01	1.30E-01	8.12E+00	1.19E+00	6.86E-02	9.51E+00
2420	496218.25	3859642.96	1.55961	0.78418	10.213	1.19464	1.19E-01	8.37E+00	1.13E+00	6.83E-02	9.68E+00	1.15E-01	3.53E-05	1.13E-01	1.34E-02	2.42E-01	1.29E-01	8.37E+00	1.13E+00	6.83E-02	9.70E+00
2421	496318.25	3859642.96	1.53677	0.77746	10.08	1.19191	1.17E-01	8.30E+00	1.11E+00	6.82E-02	9.60E+00	1.14E-01	3.50E-05	1.11E-01	1.33E-02	2.39E-01	1.28E-01	8.30E+00	1.11E+00	6.82E-02	9.61E+00
2422	496418.25	3859642.96	1.48968	0.70424	10.556	1.16068	1.14E-01	7.52E+00	1.17E+00	6.64E-02	8.86E+00	1.10E-01	3.17E-05	1.17E-01	1.30E-02	2.40E-01	1.24E-01	7.52E+00	1.17E+00	6.64E-02	8.87E+00
2423	495718.25	3859742.96	1.73616	0.83349	8.9295	1.1415	1.32E-01	8.89E+00	9.87E-01	6.53E-02	1.01E+01	1.29E-01	3.76E-05	9.87E-02	1.28E-02	2.40E-01	1.44E-01	8.89E+00	9.87E-01	6.53E-02	1.01E+01
2424	495818.25	3859742.96	1.68479	0.81094	9.5622	1.1366	1.28E-01	8.65E+00	1.06E+00	6.50E-02	9.90E+00	1.25E-01	3.66E-05	1.06E-01	1.27E-02	2.43E-01	1.40E-01	8.65E+00	1.06E+00	6.50E-02	9.92E+00
2425	495918.25	3859742.96	1.66368	0.80025	9.8897	1.1273	1.27E-01	8.54E+00	1.09E+00	6.45E-02	9.82E+00	1.23E-01	3.61E-05	1.09E-01	1.26E-02	2.45E-01	1.38E-01	8.54E+00	1.09E+00	6.45E-02	9.84E+00
2426	496018.25	3859742.96	1.63957	0.78617	10.225	1.126	1.25E-01	8.39E+00	1.13E+00	6.44E-02	9.71E+00	1.21E-01	3.54E-05	1.13E-01	1.26E-02	2.47E-01	1.36E-01	8.39E+00	1.13E+00	6.44E-02	9.72E+00
2427	496118.25	3859742.96	1.638	0.81533	9.666	1.11853	1.25E-01	8.70E+00	1.07E+00	6.40E-02	9.96E+00	1.21E-01	3.68E-05	1.07E-01	1.25E-02	2.41E-01	1.36E-01	8.70E+00	1.07E+00	6.40E-02	9.97E+00
2428	496218.25	3859742.96	1.63527	0.85298	8.8386	1.11019	1.25E-01	9.10E+00	9.77E-01	6.35E-02	1.03E+01	1.21E-01	3.85E-05	9.77E-02	1.24E-02	2.31E-01	1.36E-01	9.10E+00	9.77E-01	6.35E-02	1.03E+01
2429	496318.25	3859742.96	1.58448	0.78875	10.079	1.15517	1.21E-01	8.42E+00	1.11E+00	6.61E-02	9.72E+00	1.17E-01	3.56E-05	1.11E-01	1.29E-02	2.42E-01	1.32E-01	8.42E+00	1.11E+00	6.61E-02	9.73E+00
2430	496418.25	3859742.96	1.53134	0.73116	10.875	1.20865	1.17E-01	7.80E+00	1.20E+00	6.91E-02	9.19E+00	1.13E-01	3.30E-05	1.20E-01	1.35E-02	2.47E-01	1.27E-01	7.80E+00	1.20E+00	6.91E-02	9.20E+00
2431	495718.25	3859842.96	1.87096	1.09094	6.0891	1.14792	1.43E-01	1.16E+01	6.73E-01	6.56E-02	1.25E+01	1.39E-01	4.92E-05	6.73E-02	1.29E-02	2.19E-01	1.55E-01	1.16E+01	6.73E-01	6.56E-02	1.25E+01
2432	495818.25	3859842.96	1.81578	1.07655	6.5902	1.16199	1.38E-01	1.15E+01	7.29E-01	6.64E-02	1.24E+01	1.34E-01	4.85E-05	7.29E-02	1.30E-02	2.20E-01	1.51E-01	1.15E+01	7.29E-01	6.64E-02	1.24E+01
2433	495918.25	3859842.96	1.75417	1.0617	7.115	1.17419	1.34E-01	1.13E+01	7.87E-01	6.71E-02	1.23E+01	1.30E-01	4.79E-05	7.87E-02	1.31E-02	2.22E-01	1.46E-01	1.13E+01	7.87E-01	6.71E-02	1.23E+01
2434	496018.25	3859842.96	1.69217	1.0534	7.2943	1.16958	1.29E-01	1.12E+01	8.06E-01	6.69E-02	1.22E+01	1.25E-01	4.75E-05	8.06E-02	1.31E-02	2.19E-01	1.40E-01	1.12E+01	8.06E-01	6.69E-02	1.23E+01
2435	496118.25	3859842.96	1.67517	1.06334	6.38	1.11616	1.28E-01	1.13E+01	7.05E-01	6.38E-02	1.22E+01	1.24E-01	4.79E-05	7.05E-02	1.25E-02	2.07E-01	1.39E-01	1.13E+01	7.05E-01	6.38E-02	1.23E+01
2436	496218.25	3859842.96	1.64843	0.82415	7.9153	1.17211	1.26E-01	8.80E+00	8.75E-01	6.70E-02	9.86E+00	1.22E-01	3.72E-05	8.75E-02	1.31E-02	2.23E-01	1.37E-01	8.80E+00	8.75E-01	6.70E-02	9.87E+00

2437	496318.25	3859842.96	1.57103	0.70219	10.482	1.13073	1.20E-01	7.49E+00	1.16E+00	6.47E-02	8.84E+00	1.16E-01	3.17E-05	1.16E-01	1.27E-02	2.45E-01	1.30E-01	7.49E+00	1.16E+00	6.47E-02	8.85E+00
2438	496418.25	3859842.96	1.49951	0.66437	11.28	1.09085	1.14E-01	7.09E+00	1.25E+00	6.24E-02	8.51E+00	1.11E-01	2.99E-05	1.25E-01	1.22E-02	2.48E-01	1.24E-01	7.09E+00	1.25E+00	6.24E-02	8.52E+00
2439	495718.25	3859942.96	2.0171	1.10447	4.9721	1.06865	1.54E-01	1.18E+01	5.50E-01	6.11E-02	1.26E+01	1.49E-01	4.98E-05	5.50E-02	1.20E-02	2.16E-01	1.67E-01	1.18E+01	5.50E-01	6.11E-02	1.26E+01
2440	495818.25	3859942.96	1.9236	1.08663	5.2176	1.1069	1.47E-01	1.16E+01	5.77E-01	6.33E-02	1.24E+01	1.42E-01	4.90E-05	5.77E-02	1.24E-02	2.13E-01	1.60E-01	1.16E+01	5.77E-01	6.33E-02	1.24E+01
2441	495918.25	3859942.96	1.85817	1.07427	5.1627	1.11492	1.42E-01	1.15E+01	5.71E-01	6.38E-02	1.22E+01	1.38E-01	4.84E-05	5.71E-02	1.25E-02	2.07E-01	1.54E-01	1.15E+01	5.71E-01	6.38E-02	1.23E+01
2442	496018.25	3859942.96	1.81142	1.07474	5.0895	1.05207	1.38E-01	1.15E+01	5.63E-01	6.02E-02	1.22E+01	1.34E-01	4.84E-05	5.63E-02	1.18E-02	2.02E-01	1.50E-01	1.15E+01	5.63E-01	6.02E-02	1.22E+01
2443	496118.25	3859942.96	1.75988	1.04708	5.4205	1.14348	1.34E-01	1.12E+01	5.99E-01	6.54E-02	1.20E+01	1.30E-01	4.72E-05	5.99E-02	1.28E-02	2.03E-01	1.46E-01	1.12E+01	5.99E-01	6.54E-02	1.20E+01
2444	496218.25	3859942.96	1.68378	0.80195	7.0157	1.24835	1.28E-01	8.56E+00	7.76E-01	7.14E-02	9.53E+00	1.25E-01	3.62E-05	7.76E-02	1.40E-02	2.16E-01	1.40E-01	8.56E+00	7.76E-01	7.14E-02	9.55E+00
2445	496318.25	3859942.96	1.58232	0.70532	8.7677	1.24756	1.21E-01	7.53E+00	9.69E-01	7.13E-02	8.69E+00	1.17E-01	3.18E-05	9.69E-02	1.40E-02	2.28E-01	1.31E-01	7.53E+00	9.69E-01	7.13E-02	8.70E+00
2446	496418.25	3859942.96	1.49772	0.65459	10.331	1.09582	1.14E-01	6.99E+00	1.14E+00	6.27E-02	8.30E+00	1.11E-01	2.95E-05	1.14E-01	1.23E-02	2.37E-01	1.24E-01	6.99E+00	1.14E+00	6.27E-02	8.31E+00
2447	496856.82	3858864.83	1.00038	0.60078	3.6299	0.54606	7.62E-02	6.41E+00	4.01E-01	3.12E-02	6.92E+00	7.41E-02	2.71E-05	4.01E-02	6.11E-03	1.20E-01	8.31E-02	6.41E+00	4.01E-01	3.12E-02	6.93E+00
2448	496956.82	3858864.83	0.97886	0.59609	3.5139	0.54456	7.46E-02	6.36E+00	3.88E-01	3.11E-02	6.86E+00	7.25E-02	2.69E-05	3.88E-02	6.10E-03	1.17E-01	8.13E-02	6.36E+00	3.88E-01	3.11E-02	6.86E+00
2449	497056.82	3858864.83	0.95853	0.59165	3.4234	0.54299	7.31E-02	6.31E+00	3.78E-01	3.11E-02	6.80E+00	7.10E-02	2.67E-05	3.78E-02	6.08E-03	1.15E-01	7.96E-02	6.31E+00	3.78E-01	3.11E-02	6.80E+00
2450	497156.82	3858864.83	0.92702	0.58568	3.3499	0.54157	7.07E-02	6.25E+00	3.70E-01	3.10E-02	6.72E+00	6.86E-02	2.64E-05	3.70E-02	6.06E-03	1.12E-01	7.70E-02	6.25E+00	3.70E-01	3.10E-02	6.73E+00
2451	497256.82	3858864.83	0.93056	0.58458	3.3018	0.5395	7.09E-02	6.24E+00	3.65E-01	3.09E-02	6.71E+00	6.89E-02	2.64E-05	3.65E-02	6.04E-03	1.11E-01	7.73E-02	6.24E+00	3.65E-01	3.09E-02	6.71E+00
2452	496856.82	3858964.83	1.11869	0.60544	4.5662	0.54705	8.53E-02	6.46E+00	5.05E-01	3.13E-02	7.08E+00	8.28E-02	2.73E-05	5.05E-02	6.12E-03	1.39E-01	9.29E-02	6.46E+00	5.05E-01	3.13E-02	7.09E+00
2453	496956.82	3858964.83	1.08172	0.59703	4.1893	0.54561	8.24E-02	6.37E+00	4.63E-01	3.12E-02	6.95E+00	8.01E-02	2.69E-05	4.63E-02	6.11E-03	1.33E-01	8.98E-02	6.37E+00	4.63E-01	3.12E-02	6.96E+00
2454	497056.82	3858964.83	1.05864	0.59097	3.9722	0.54385	8.07E-02	6.31E+00	4.39E-01	3.11E-02	6.86E+00	7.84E-02	2.66E-05	4.39E-02	6.09E-03	1.28E-01	8.79E-02	6.31E+00	4.39E-01	3.11E-02	6.86E+00
2455	497156.82	3858964.83	1.03324	0.58472	3.7712	0.54209	7.88E-02	6.24E+00	4.17E-01	3.10E-02	6.77E+00	7.65E-02	2.64E-05	4.17E-02	6.07E-03	1.24E-01	8.58E-02	6.24E+00	4.17E-01	3.10E-02	6.77E+00
2456	497256.82	3858964.83	1.07714	0.589	4.0307	0.54026	8.21E-02	6.29E+00	4.46E-01	3.09E-02	6.84E+00	7.97E-02	2.66E-05	4.46E-02	6.05E-03	1.30E-01	8.94E-02	6.29E+00	4.46E-01	3.09E-02	6.85E+00
2457	496856.82	3859064.83	1.16048	0.59783	5.2996	0.5667	8.85E-02	6.38E+00	5.86E-01	3.24E-02	7.09E+00	8.59E-02	2.69E-05	5.86E-02	6.34E-03	1.51E-01	9.63E-02	6.38E+00	5.86E-01	3.24E-02	7.09E+00
2458	496956.82	3859064.83	1.14484	0.59026	4.9843	0.5656	8.73E-02	6.30E+00	5.51E-01	3.23E-02	6.97E+00	8.48E-02	2.66E-05	5.51E-02	6.33E-03	1.46E-01	9.50E-02	6.30E+00	5.51E-01	3.23E-02	6.98E+00
2459	497056.82	3859064.83	1.1351	0.58411	4.7729	0.56452	8.65E-02	6.23E+00	5.28E-01	3.23E-02	6.88E+00	8.40E-02	2.63E-05	5.28E-02	6.32E-03	1.43E-01	9.42E-02	6.23E+00	5.28E-01	3.23E-02	6.89E+00
2460	497156.82	3859064.83	1.12862	0.57879	4.6207	0.56345	8.60E-02	6.18E+00	5.11E-01	3.22E-02	6.81E+00	8.36E-02	2.61E-05	5.11E-02	6.31E-03	1.41E-01	9.37E-02	6.18E+00	5.11E-01	3.22E-02	6.81E+00
2461	497256.82	3859064.83	1.20278	0.58658	5.3408	0.56252	9.17E-02	6.26E+00	5.90E-01	3.22E-02	6.97E+00	8.90E-02	2.64E-05	5.90E-02	6.30E-03	1.54E-01	9.99E-02	6.26E+00	5.90E-01	3.22E-02	6.98E+00
2462	496856.82	3859164.83	1.11212	0.5788	5.4679	0.59042	8.48E-02	6.18E+00	6.05E-01	3.38E-02	6.90E+00	8.23E-02	2.61E-05	6.05E-02	6.61E-03	1.49E-01	9.23E-02	6.18E+00	6.05E-01	3.38E-02	6.91E+00
2463	496956.82	3859164.83	1.10791	0.56955	5.1384	0.58901	8.44E-02	6.08E+00	5.68E-01	3.37E-02	6.76E+00	8.20E-02	2.57E-05	5.68E-02	6.59E-03	1.45E-01	9.20E-02	6.08E+00	5.68E-01	3.37E-02	6.77E+00
2464	497056.82	3859164.83	1.12914	0.56575	5.1624	0.58764	8.61E-02	6.04E+00	5.71E-01	3.36E-02	6.73E+00	8.36E-02	2.55E-05	5.71E-02	6.58E-03	1.47E-01	9.37E-02	6.04E+00	5.71E-01	3.36E-02	6.74E+00
2465	497156.82	3859164.83	1.18171	0.56793	5.5972	0.58634	9.01E-02	6.06E+00	6.19E-01	3.35E-02	6.80E+00	8.75E-02	2.56E-05	6.19E-02	6.56E-03	1.56E-01	9.81E-02	6.06E+00	6.19E-01	3.35E-02	6.81E+00
2466	497256.82	3859164.83	1.27693	0.57791	6.5938	0.58508	9.73E-02	6.17E+00	7.29E-01	3.35E-02	7.03E+00	9.45E-02	2.61E-05	7.29E-02	6.55E-03	1.74E-01	1.06E-01	6.17E+00	7.29E-01	3.35E-02	7.04E+00
2467	496856.82	3859264.83	0.97879	0.55404	5.1102	0.61369	7.46E-02	5.91E+00	5.65E-01	3.51E-02	6.59E+00	7.25E-02	2.50E-05	5.65E-02	6.87E-03	1.36E-01	8.13E-02	5.91E+00	5.65E-01	3.51E-02	6.59E+00
2468	496956.82	3859264.83	1.02612	0.55208	5.3059	0.61204	7.82E-02	5.89E+00	5.87E-01	3.50E-02	6.59E+00	7.60E-02	2.49E-05	5.87E-02	6.85E-03	1.42E-01	8.52E-02	5.89E+00	5.87E-01	3.50E-02	6.60E+00
2469	497056.82	3859264.83	1.09351	0.55481	5.7909	0.6104	8.33E-02	5.92E+00	6.40E-01	3.49E-02	6.68E+00	8.10E-02	2.50E-05	6.40E-02	6.83E-03	1.52E-01	9.08E-02	5.92E+00	6.40E-01	3.49E-02	6.69E+00
2470	497156.82	3859264.83	1.15515	0.55666	6.2206	0.60875	8.80E-02	5.94E+00	6.88E-01	3.48E-02	6.75E+00	8.55E-02	2.51E-05	6.88E-02	6.81E-03	1.61E-01	9.59E-02	5.94E+00	6.88E-01	3.48E-02	6.76E+00
2471	497256.82	3859264.83	1.24377	0.56468	7.0132	0.65181	9.48E-02	6.03E+00	7.75E-01	3.73E-02	6.93E+00	9.21E-02	2.55E-05	7.75E-02	7.30E-03	1.77E-01	1.03E-01	6.03E+00	7.75E-01	3.73E-02	6.94E+00
2472	497088.92	3858620.93	0.67922	0.55792	2.7764	0.5308	5.18E-02	5.95E+00	3.07E-01	3.04E-02	6.34E+00	5.03E-02	2.52E-05	3.07E-02	5.94E-03	8.69E-02	5.64E-02	5.95E+00	3.07E-01	3.04E-02	6.35E+00
2473	497138.92	3858620.93	0.68511	0.5584	2.7688	0.5301	5.22E-02	5.96E+00	3.06E-01	3.03E-02	6.35E+00	5.07E-02	2.52E-05	3.06E-02	5.93E-03	8.73E-02	5.69E-02	5.96E+00	3.06E-01	3.03E-02	6.35E+00
2474	497188.92	3858620.93	0.67598	0.5589	2.7646	0.5301	5.15E-02	5.96E+00	3.06E-01	3.03E-02	6.35E+00	5.00E-02	2.52E-05	3.06E-02	5.93E-03	8.66E-02	5.61E-02	5.96E+00	3.06E-01	3.03E-02	6.36E+00
2475	497238.92	3858620.93	0.67415	0.55844	2.7577	0.52954	5.14E-02	5.96E+00	3.05E-01	3.03E-02	6.35E+00	4.99E-02	2.52E-05	3.05E-02	5.93E-03	8.64E-02	5.60E-02	5.96E+00	3.05E-01	3.03E-02	6.35E+00
2476	497088.92	3858670.93	0.69961	0.56595	2.7257	0.53516	5.33E-02	6.04E+00	3.01E-01	3.06E-02	6.42E+00	5.18E-02	2.55E-05	3.01E-02	5.99E-03	8.79E-02	5.81E-02	6.04E+00	3.01E-01	3.06E-02	6.43E+00
2477	497138.92	3858670.93	0.71663	0.56766	2.7183	0.53411	5.46E-02	6.06E+00	3.01E-01	3.05E-02	6.44E+00	5.31E-02	2.56E-05	3.01E-02	5.98E-03	8.91E-02	5.95E-02	6.06E+00	3.01E-01	3.05E-02	6.45E+00
2478	497188.92	3858670.93	0.70606	0.566	2.7135	0.53365	5.38E-02	6.04E+00	3.00E-01	3.05E-02	6.42E+00	5.23E-02	2.55E-05	3.00E-02	5.97E-03	8.83E-02	5.86E-02	6.04E+00	3.00E-01	3.05E-02	6.43E+00
2479	497238.92	3858670.93	0.71079	0.56619	2.7073	0.53286	5.42E-02	6.04E+00	2.99E-01	3.05E-02	6.43E+00	5.26E-02	2.55E-05	2.99E-02	5.97E-03	8.85E-02	5.90E-02	6.04E+00	2.99E-01	3.05E-02	6.43E+00
2480	497088.92	3858720.93	0.84192	0.57599	2.6552	0.53759	6.42E-02	6.15E+00	2.94E-01	3.07E-02	6.54E+00	6.23E-02	2.60E-05	2.94E-02	6.02E-03	9.77E-02	6.99E-02	6.15E+00	2.94E-01	3.07E-02	6.54E+00
2481	497138.92	3858720.93	0.72578	0.56977	2.6545	0.53777	5.53E-02	6.08E+00	2.93E-01	3.08E-02	6.46E+00	5.37E-02	2.57E-05	2.93E-02	6.02E-03	8.91E-02	6.03E-02	6.08E+00	2.93E-01	3.08E-02	6.46E+00
2482	497188.92	3858720.93	0.72211	0.5688	2.6504	0.53707	5.50E-02	6.07E+00	2.93E-01	3.07E-02	6.45E+00	5.35E-02	2.56E-05	2.93E-02	6.01E-03	8.88E-02	6.00E-02	6.07E+00	2.93E-01	3.07E-02	6.45E+00
2483	497238.92	3858720.93	0.85444	0.57282	2.643	0.53554	6.51E-02	6.11E+00	2.92E-01	3.06E-02	6.50E+00	6.33E-02	2.58E-05	2.92E-02	6.00E-03	9.85E-02	7.09E-02	6.11E+00	2.92E-01	3.06E-02	6.51E+00
2484	497088.92	3858770.93	0.81235	0.57995	2.5757	0.54021	6.19E-02	6.19E+00	2.85E-01	3.09E-02	6.57E+00	6.01E-02	2.61E-05	2.85E-02	6.05E-03	9.47E-02	6.74E-02	6.19E+00	2.85E-01	3.09E-02	6.57E+00
2485	497138.92	3858770.93	0.81758	0.5773	2.5738	0.53967	6.23E-02	6.16E+00	2.85E-01	3.09E-02	6.54E+00	6.05E-02	2.60E-05	2.85E-02	6.04E-03	9.51E-02	6.79E-02	6.16E+00	2.85E-01	3.09E-02	6.54E+00
2486	497188.92	3858770.93	0.82311	0.57343	2.5702	0.5386	6.27E-02	6.12E+00	2.84E-01	3.08E-02	6.50E+00	6.09E-02	2.58E-05	2.84E-02	6.03E-03	9.54E-02	6.83E-02	6.12E+00	2.84E-01	3.08E-02	6.50E+00
2487	497238.92	3858770.93	0.82802	0.57791	2.5669	0.53766	6.31E-02	6.17E+00	2.84E-01	3.07E-02	6.54E+00	6.13E-02	2.61E-05	2.84E-02	6.02E-03	9.57E-02	6.87E-02	6.17E+00	2.84E-01	3.07E-02	6.55E+00
2488	497396.65	3858622.63	0.90142	0.57145	2.7239	0.52549	6.87E-02	6.10E+00	3.01E-01	3.00E-02	6.50E+00	6.67E-02	2.58E-05	3.01E-02	5.88E-03	1.03E-01	7.48E-02	6.10E+00	3.01E-01	3.00E-02	6.50E+00
2489	497496.65	3858622.63	0.90595	0.57928	2.7052	0.52306	6.91E-02	6.18E+00	2.99E-01	2.99E-02	6.58E+00	6.71E-02	2.61E-05	2.99E-02	5.86E-03	1.03E-01	7.52E-02	6.18E+00	2.99E-01	2.99E-02	6.59E+00
2490	497596.65	3858622.63	0.97631	0.59131	2.8048	0.51971	7.44E-02	6.31E+00	3.10E-01	2.97E-02	6.72E+00	7.23E-02	2.67E-05	3.10E-02	5.82E-03	1.09E-01	8.11E-02	6.31E+00	3.10E-01	2.97E-02	6.73E+00
2491	497696.65	3858622.63	1.02489	0.59945	3.1266	0.518	7.81E-02	6.40E+00	3.46E-01	2.96E-02	6.85E+00	7.59E-02	2.70E-05	3.46E-02	5.80E-03	1.16E-01	8.51E-02	6.40E+00	3.46E-01	2.96E-02	6.86E+00
2492	497796.65	3858622.63	1.10636	0.61043	3.3465	0.51558	8.43E-02	6.51E+00	3.70E-01	2.95E-02	7.00E+00	8.19E-02	2.75E-05	3.70E-02	5.77E-03	1.25E-01	9.19E-02	6.51E+00	3.70E-01	2.95E-02	7.01E+00
2493	497896.65	3858622.63	1.18865	0.6223	3.8782	0.5132	9.06E-02	6.64E+00	4.29E-01	2.93E-02	7.19E+00	8.80E-02	2.81E-05	4.29E-02	5.74E-03	1.37E-01	9.87E-02	6.64E+00	4.29E-01	2.93E-02	7.20E+00
2494	497396.65	3858722.63	0.89498	0.58865	2.6181	0.53067	6.82E-02	6.28E+00	2.89E-01	3.03E-02	6.67E+00	6.63E-02	2.65E-05	2.89E-02	5.94E-03	1.01E-01	7.43E-02	6.28E+00	2.89E-01	3.03E-02	6.68E+00
2495	497496.65	3858722.63	0.96784	0.59717	2.7846	0.52794	7.38E-02	6.37E+00	3.08E-01	3.02E-02	6.78E+00	7.17E-02	2.69E-05	3.08E-02	5.91E-03	1.08E-01	8.04E-02	6.37E+00	3.08E-01	3.02E-02	6.79E+00
2496	497596.65	3858722.63	1.08306	0.61214	3.3723	0.52465	8.26E-02	6.53E+00	3.73E-01	3.00E-02	7.02E+00	8.02E-02	2.76E-05	3.73E-02	5.87E-03	1.23E-01	8.99E-02	6.53E+00	3.73E-01	3.00E-02	7.03E+00
2497	497696.65	3858722.63	1.15655	0.62201	3.8	0.52206	8.82E-02	6.64E+00	4.20E-01	2.99E-02	7.18E+00	8.56E-02	2.80E-05	4.20E-02	5.84E-03	1.34E-01	9.60E-02	6.64E+00	4.20E-01	2.99E-02	7.18E+00

2498	497796.65	3858722.63	1.20312	0.62839	4.1704	0.51987	9.17E-02	6.71E+00	4.61E-01	2.97E-02	7.29E+00	8.91E-02	2.83E-05	4.61E-02	5.82E-03	1.41E-01	9.99E-02	6.71E+00	4.61E-01	2.97E-02	7.30E+00
2499	497896.65	3858722.63	1.26596	0.63775	4.7786	0.51747	9.65E-02	6.81E+00	5.28E-01	2.96E-02	7.46E+00	9.37E-02	2.87E-05	5.28E-02	5.79E-03	1.52E-01	1.05E-01	6.81E+00	5.28E-01	2.96E-02	7.47E+00
2500	497396.65	3858822.63	0.9918	0.59597	3.2596	0.53417	7.56E-02	6.36E+00	3.60E-01	3.05E-02	6.83E+00	7.34E-02	2.69E-05	3.60E-02	5.98E-03	1.15E-01	8.23E-02	6.36E+00	3.60E-01	3.05E-02	6.83E+00
2501	497496.65	3858822.63	1.05589	0.60387	3.5355	0.53128	8.05E-02	6.44E+00	3.91E-01	3.04E-02	6.95E+00	7.82E-02	2.72E-05	3.91E-02	5.95E-03	1.23E-01	8.77E-02	6.44E+00	3.91E-01	3.04E-02	6.95E+00
2502	497596.65	3858822.63	1.19431	0.62074	5.2037	0.5272	9.10E-02	6.62E+00	5.75E-01	3.01E-02	7.32E+00	8.84E-02	2.80E-05	5.75E-02	5.90E-03	1.52E-01	9.92E-02	6.62E+00	5.75E-01	3.01E-02	7.33E+00
2503	497696.65	3858822.63	1.24718	0.6305	5.0989	0.52481	9.51E-02	6.73E+00	5.64E-01	3.00E-02	7.42E+00	9.23E-02	2.84E-05	5.64E-02	5.87E-03	1.55E-01	1.04E-01	6.73E+00	5.64E-01	3.00E-02	7.43E+00
2504	497796.65	3858822.63	1.29495	0.63489	5.9742	0.52216	9.87E-02	6.78E+00	6.61E-01	2.99E-02	7.56E+00	9.59E-02	2.86E-05	6.61E-02	5.85E-03	1.68E-01	1.08E-01	6.78E+00	6.61E-01	2.99E-02	7.57E+00
2505	497896.65	3858822.63	1.38858	0.65274	6.4932	0.5193	1.06E-01	6.97E+00	7.18E-01	2.97E-02	7.82E+00	1.03E-01	2.94E-05	7.18E-02	5.81E-03	1.80E-01	1.15E-01	6.97E+00	7.18E-01	2.97E-02	7.83E+00
2506	497396.65	3858922.63	1.10128	0.5978	4.1296	0.53518	8.39E-02	6.38E+00	4.57E-01	3.06E-02	6.95E+00	8.15E-02	2.69E-05	4.57E-02	5.99E-03	1.33E-01	9.14E-02	6.38E+00	4.57E-01	3.06E-02	6.96E+00
2507	497496.65	3858922.63	1.21887	0.61399	5.2288	0.53128	9.29E-02	6.55E+00	5.78E-01	3.04E-02	7.25E+00	9.02E-02	2.77E-05	5.78E-02	5.95E-03	1.54E-01	1.01E-01	6.55E+00	5.78E-01	3.04E-02	7.26E+00
2508	497596.65	3858922.63	1.23329	0.61438	5.3487	0.52958	9.40E-02	6.56E+00	5.91E-01	3.03E-02	7.27E+00	9.13E-02	2.77E-05	5.91E-02	5.93E-03	1.56E-01	1.02E-01	6.56E+00	5.91E-01	3.03E-02	7.28E+00
2509	497696.65	3858922.63	1.37091	0.63321	7.6005	0.52936	1.04E-01	6.76E+00	8.40E-01	3.03E-02	7.73E+00	1.01E-01	2.85E-05	8.40E-02	5.93E-03	1.91E-01	1.14E-01	6.76E+00	8.40E-01	3.03E-02	7.74E+00
2510	497796.65	3858922.63	1.44167	0.64684	7.6908	0.5312	1.10E-01	6.90E+00	8.50E-01	3.04E-02	7.89E+00	1.07E-01	2.92E-05	8.50E-02	5.95E-03	1.98E-01	1.20E-01	6.90E+00	8.50E-01	3.04E-02	7.90E+00
2511	497896.65	3858922.63	1.55768	0.66661	9.709	0.67767	1.19E-01	7.11E+00	1.07E+00	3.88E-02	8.34E+00	1.15E-01	3.00E-05	1.07E-01	7.59E-03	2.30E-01	1.29E-01	7.11E+00	1.07E+00	3.88E-02	8.36E+00
2512	497364.44	3858201.52	0.57227	0.45947	2.7098	0.48472	4.36E-02	4.90E+00	3.00E-01	2.77E-02	5.27E+00	4.24E-02	2.07E-05	3.00E-02	5.43E-03	7.78E-02	4.75E-02	4.90E+00	3.00E-01	2.77E-02	5.28E+00
2513	497414.44	3858201.52	0.58363	0.46207	2.7038	0.48383	4.45E-02	4.93E+00	2.99E-01	2.77E-02	5.30E+00	4.32E-02	2.08E-05	2.99E-02	5.42E-03	7.85E-02	4.85E-02	4.93E+00	2.99E-01	2.77E-02	5.31E+00
2514	497464.44	3858201.52	0.603	0.46553	2.6977	0.48337	4.60E-02	4.97E+00	2.98E-01	2.76E-02	5.34E+00	4.46E-02	2.10E-05	2.98E-02	5.41E-03	7.99E-02	5.01E-02	4.97E+00	2.98E-01	2.76E-02	5.34E+00
2515	497514.44	3858201.52	0.61263	0.46887	2.6896	0.48346	4.67E-02	5.00E+00	2.97E-01	2.76E-02	5.38E+00	4.54E-02	2.11E-05	2.97E-02	5.41E-03	8.05E-02	5.09E-02	5.00E+00	2.97E-01	2.76E-02	5.38E+00
2516	497564.44	3858201.52	0.60997	0.4696	2.6818	0.48347	4.65E-02	5.01E+00	2.97E-01	2.76E-02	5.38E+00	4.52E-02	2.12E-05	2.97E-02	5.41E-03	8.02E-02	5.06E-02	5.01E+00	2.97E-01	2.76E-02	5.39E+00
2517	497614.44	3858201.52	0.61667	0.47158	2.6749	0.48324	4.70E-02	5.03E+00	2.96E-01	2.76E-02	5.40E+00	4.57E-02	2.13E-05	2.96E-02	5.41E-03	8.07E-02	5.12E-02	5.03E+00	2.96E-01	2.76E-02	5.41E+00
2518	497364.44	3858251.52	0.60103	0.47774	2.5865	0.4901	4.58E-02	5.10E+00	2.86E-01	2.80E-02	5.46E+00	4.45E-02	2.15E-05	2.86E-02	5.49E-03	7.86E-02	4.99E-02	5.10E+00	2.86E-01	2.80E-02	5.46E+00
2519	497414.44	3858251.52	0.62908	0.48214	2.5822	0.48936	4.79E-02	5.15E+00	2.85E-01	2.80E-02	5.51E+00	4.66E-02	2.17E-05	2.85E-02	5.48E-03	8.06E-02	5.22E-02	5.15E+00	2.85E-01	2.80E-02	5.51E+00
2520	497464.44	3858251.52	0.6208	0.48198	2.5746	0.48949	4.73E-02	5.14E+00	2.85E-01	2.80E-02	5.50E+00	4.60E-02	2.17E-05	2.85E-02	5.48E-03	7.99E-02	5.15E-02	5.14E+00	2.85E-01	2.80E-02	5.51E+00
2521	497514.44	3858251.52	0.60906	0.48137	2.5669	0.48967	4.64E-02	5.14E+00	2.84E-01	2.80E-02	5.50E+00	4.51E-02	2.17E-05	2.84E-02	5.48E-03	7.90E-02	5.06E-02	5.14E+00	2.84E-01	2.80E-02	5.50E+00
2522	497564.44	3858251.52	0.60858	0.48223	2.5601	0.48957	4.64E-02	5.15E+00	2.83E-01	2.80E-02	5.50E+00	4.51E-02	2.17E-05	2.83E-02	5.48E-03	7.89E-02	5.05E-02	5.15E+00	2.83E-01	2.80E-02	5.51E+00
2523	497614.44	3858251.52	0.60811	0.4831	2.5534	0.48945	4.64E-02	5.16E+00	2.82E-01	2.80E-02	5.51E+00	4.50E-02	2.18E-05	2.82E-02	5.48E-03	7.88E-02	5.05E-02	5.16E+00	2.82E-01	2.80E-02	5.52E+00
2524	497364.44	3858301.52	0.61199	0.49157	2.4549	0.49567	4.66E-02	5.25E+00	2.71E-01	2.83E-02	5.59E+00	4.53E-02	2.22E-05	2.71E-02	5.55E-03	7.80E-02	5.08E-02	5.25E+00	2.71E-01	2.83E-02	5.60E+00
2525	497414.44	3858301.52	0.63556	0.49598	2.4504	0.49525	4.84E-02	5.29E+00	2.71E-01	2.83E-02	5.64E+00	4.71E-02	2.24E-05	2.71E-02	5.54E-03	7.97E-02	5.28E-02	5.29E+00	2.71E-01	2.83E-02	5.64E+00
2526	497464.44	3858301.52	0.62349	0.4952	2.4433	0.4954	4.75E-02	5.28E+00	2.70E-01	2.83E-02	5.63E+00	4.62E-02	2.23E-05	2.70E-02	5.55E-03	7.87E-02	5.18E-02	5.28E+00	2.70E-01	2.83E-02	5.63E+00
2527	497514.44	3858301.52	0.6175	0.49519	2.437	0.49539	4.71E-02	5.28E+00	2.69E-01	2.83E-02	5.63E+00	4.57E-02	2.23E-05	2.69E-02	5.55E-03	7.82E-02	5.13E-02	5.28E+00	2.69E-01	2.83E-02	5.63E+00
2528	497564.44	3858301.52	0.60473	0.49435	2.4301	0.49552	4.61E-02	5.28E+00	2.69E-01	2.83E-02	5.62E+00	4.48E-02	2.23E-05	2.69E-02	5.55E-03	7.72E-02	5.02E-02	5.28E+00	2.69E-01	2.83E-02	5.62E+00
2529	497614.44	3858301.52	0.60393	0.49501	2.4243	0.49535	4.60E-02	5.28E+00	2.68E-01	2.83E-02	5.62E+00	4.47E-02	2.23E-05	2.68E-02	5.55E-03	7.71E-02	5.01E-02	5.28E+00	2.68E-01	2.83E-02	5.63E+00
2530	497364.44	3858351.52	0.64572	0.5077	2.3166	0.50131	4.92E-02	5.42E+00	2.56E-01	2.87E-02	5.75E+00	4.78E-02	2.29E-05	2.56E-02	5.61E-03	7.91E-02	5.36E-02	5.42E+00	2.56E-01	2.87E-02	5.76E+00
2531	497414.44	3858351.52	0.63822	0.50768	2.3112	0.50124	4.86E-02	5.42E+00	2.56E-01	2.87E-02	5.75E+00	4.72E-02	2.29E-05	2.56E-02	5.61E-03	7.84E-02	5.30E-02	5.42E+00	2.56E-01	2.87E-02	5.76E+00
2532	497464.44	3858351.52	0.63905	0.50851	2.3066	0.501	4.87E-02	5.43E+00	2.55E-01	2.86E-02	5.76E+00	4.73E-02	2.29E-05	2.55E-02	5.61E-03	7.84E-02	5.31E-02	5.43E+00	2.55E-01	2.86E-02	5.76E+00
2533	497514.44	3858351.52	0.63327	0.50869	2.3014	0.50085	4.83E-02	5.43E+00	2.54E-01	2.86E-02	5.76E+00	4.69E-02	2.29E-05	2.54E-02	5.61E-03	7.80E-02	5.26E-02	5.43E+00	2.54E-01	2.86E-02	5.76E+00
2534	497564.44	3858351.52	0.61052	0.50715	2.2949	0.50102	4.65E-02	5.41E+00	2.54E-01	2.87E-02	5.74E+00	4.52E-02	2.29E-05	2.54E-02	5.61E-03	7.62E-02	5.07E-02	5.41E+00	2.54E-01	2.87E-02	5.75E+00
2535	497614.44	3858351.52	0.61085	0.50785	2.2902	0.50075	4.66E-02	5.42E+00	2.53E-01	2.86E-02	5.75E+00	4.52E-02	2.29E-05	2.53E-02	5.61E-03	7.62E-02	5.07E-02	5.42E+00	2.53E-01	2.86E-02	5.75E+00
2536	497364.44	3858401.52	0.64175	0.51735	2.6675	0.50682	4.89E-02	5.52E+00	2.95E-01	2.90E-02	5.89E+00	4.75E-02	2.33E-05	2.95E-02	5.67E-03	8.27E-02	5.33E-02	5.52E+00	2.95E-01	2.90E-02	5.90E+00
2537	497414.44	3858401.52	0.64822	0.5196	2.3903	0.50681	4.94E-02	5.55E+00	2.64E-01	2.90E-02	5.89E+00	4.80E-02	2.34E-05	2.64E-02	5.67E-03	8.01E-02	5.38E-02	5.55E+00	2.64E-01	2.90E-02	5.89E+00
2538	497464.44	3858401.52	0.63986	0.51929	2.2923	0.50668	4.88E-02	5.54E+00	2.53E-01	2.90E-02	5.87E+00	4.74E-02	2.34E-05	2.53E-02	5.67E-03	7.84E-02	5.31E-02	5.54E+00	2.53E-01	2.90E-02	5.88E+00
2539	497514.44	3858401.52	0.63868	0.51973	2.1944	0.50639	4.87E-02	5.55E+00	2.43E-01	2.90E-02	5.87E+00	4.73E-02	2.34E-05	2.43E-02	5.67E-03	7.72E-02	5.30E-02	5.55E+00	2.43E-01	2.90E-02	5.87E+00
2540	497564.44	3858401.52	0.66742	0.52328	2.7125	0.50552	5.09E-02	5.58E+00	3.00E-01	2.89E-02	5.96E+00	4.94E-02	2.36E-05	3.00E-02	5.66E-03	8.51E-02	5.54E-02	5.58E+00	3.00E-01	2.89E-02	5.97E+00
2541	497614.44	3858401.52	0.69484	0.52559	2.6977	0.50435	5.30E-02	5.61E+00	2.98E-01	2.88E-02	5.99E+00	5.14E-02	2.37E-05	2.98E-02	5.65E-03	8.69E-02	5.77E-02	5.61E+00	2.98E-01	2.88E-02	5.99E+00
2542	493478.11	3860497.94	3.03102	2.17684	3.7278	0.63941	2.31E-01	2.32E+01	4.12E-01	3.66E-02	2.39E+01	2.24E-01	9.81E-05	4.12E-02	7.16E-03	2.73E-01	2.52E-01	2.32E+01	4.12E-01	3.66E-02	2.39E+01
2543	493528.11	3860497.94	3.03498	2.15111	3.6593	0.64035	2.31E-01	2.30E+01	4.05E-01	3.66E-02	2.36E+01	2.25E-01	9.70E-05	4.05E-02	7.17E-03	2.72E-01	2.52E-01	2.30E+01	4.05E-01	3.66E-02	2.36E+01
2544	493478.11	3860547.94	2.94368	2.17128	3.7785	0.60699	2.24E-01	2.32E+01	4.18E-01	3.47E-02	2.38E+01	2.18E-01	9.79E-05	4.18E-02	6.79E-03	2.67E-01	2.44E-01	2.32E+01	4.18E-01	3.47E-02	2.39E+01
2545	493528.11	3860547.94	2.95863	2.14593	3.7209	0.60844	2.26E-01	2.29E+01	4.11E-01	3.48E-02	2.36E+01	2.19E-01	9.67E-05	4.11E-02	6.81E-03	2.67E-01	2.46E-01	2.29E+01	4.11E-01	3.48E-02	2.36E+01
2546	493478.11	3860597.94	2.83834	2.15233	3.7998	0.60561	2.16E-01	2.30E+01	4.20E-01	3.46E-02	2.36E+01	2.10E-01	9.70E-05	4.20E-02	6.78E-03	2.59E-01	2.36E-01	2.30E+01	4.20E-01	3.46E-02	2.37E+01
2547	493528.11	3860597.94	2.86519	2.12815	3.7571	0.60361	2.18E-01	2.27E+01	4.15E-01	3.45E-02	2.34E+01	2.12E-01	9.59E-05	4.15E-02	6.76E-03	2.61E-01	2.38E-01	2.27E+01	4.15E-01	3.45E-02	2.34E+01
2548	493561.88	3860524.64	3.00125	2.13166	3.6536	0.624	2.29E-01	2.27E+01	4.04E-01	3.57E-02	2.34E+01	2.22E-01	9.61E-05	4.04E-02	6.99E-03	2.70E-01	2.49E-01	2.27E+01	4.04E-01	3.57E-02	2.34E+01
2549	493591.88	3860524.64	3.00504	2.11498	3.6184	0.62422	2.29E-01	2.26E+01	4.00E-01	3.57E-02	2.32E+01	2.22E-01	9.53E-05	4.00E-02	6.99E-03	2.70E-01	2.49E-01	2.26E+01	4.00E-01	3.57E-02	2.33E+01
2550	493561.88	3860554.64	2.95575	2.12707	3.6895	0.60484	2.25E-01	2.27E+01	4.08E-01	3.46E-02	2.34E+01	2.19E-01	9.59E-05	4.08E-02	6.77E-03	2.66E-01	2.45E-01	2.27E+01	4.08E-01	3.46E-02	2.34E+01
2551	493591.88	3860554.64	2.96688	2.10977	3.6629	0.60489	2.26E-01	2.25E+01	4.05E-01	3.46E-02	2.32E+01	2.20E-01	9.51E-05	4.05E-02	6.77E-03	2.67E-01	2.46E-01	2.25E+01	4.05E-01	3.46E-02	2.32E+01
2552	492880.5	3860293.11	3.10791	2.57235	4.1227	0.76602	2.37E-01	2.75E+01	4.56E-01	4.38E-02	2.82E+01	2.30E-01	1.16E-04	4.56E-02	8.58E-03	2.84E-01	2.58E-01	2.75E+01	4.56E-01	4.38E-02	2.82E+01
2553	492930.5	3860293.11	3.16261	2.55486	4.0889	0.76489	2.41E-01	2.73E+01	4.52E-01	4.37E-02	2.80E+01	2.34E-01	1.15E-04	4.52E-02	8.56E-03	2.88E-01	2.63E-01	2.73E+01	4.52E-01	4.37E-02	2.80E+01
2554	492980.5	3860293.11	3.20901	2.53438	4.0496	0.76359	2.45E-01	2.70E+01	4.48E-01	4.37E-02	2.78E+01	2.38E-01	1.14E-04	4.48E-02	8.55E-03	2.91E-01	2.66E-01	2.70E+01	4.48E-01	4.37E-02	2.78E+01
2555	493030.5	3860293.11	3.26607	2.4789	4.0075	0.76001	2.49E-01	2.65E+01	4.43E-01	4.35E-02	2.72E+01	2.42E-01	1.12E-04	4.43E-02	8.51E-03	2.95E-01	2.71E-01	2.65E+01	4.43E-01	4.35E-02	2.72E+01
2556	493080.5	3860293.11	3.31432	2.37903	3.9137	0.75611	2.53E-01	2.54E+01	4.33E-01	4.32E-02	2.61E+01	2.45E-01	1.07E-04	4.33E-02	8.46E-03	2.97E-01	2.75E-01	2.54E+01	4.33E-01	4.32E-02	2.61E+01
2557	493130.5	3860293.11	3.30588	2.4272	3.8453	0.75823	2.52E-01	2.59E+01	4.25E-01	4.34E-02	2.66E+01	2.45E-01	1.09E-04	4.25E-02	8.49E-03	2.96E-01	2.74E-01	2.59E+01	4.25E-01	4.34E-02	2.66E+01
2558	493180.5	3860293.11	3.2916	2.44718	3.8722	0.75977	2.51E-01	2.61E+01	4.28E-01	4.34E-02	2.68E+01	2.44E-01	1.10E-04	4.28E-02	8.51E-03	2.95E-01	2.73E-01	2.61E+01	4.28E-01	4.34E-02	2.69E+01

2559	493230.5	3860293.11	3.28267	2.43666	4.0379	0.75973	2.50E-01	2.60E+01	4.46E-01	4.34E-02	2.67E+01	2.43E-01	1.10E-04	4.46E-02	8.50E-03	2.96E-01	2.73E-01	2.60E+01	4.46E-01	4.34E-02	2.68E+01
2560	493280.5	3860293.11	3.28214	2.39514	4.0682	0.75781	2.50E-01	2.56E+01	4.50E-01	4.33E-02	2.63E+01	2.43E-01	1.08E-04	4.50E-02	8.48E-03	2.97E-01	2.72E-01	2.56E+01	4.50E-01	4.33E-02	2.63E+01
2561	493330.5	3860293.11	3.26577	2.36539	4.1504	0.75672	2.49E-01	2.52E+01	4.59E-01	4.33E-02	2.60E+01	2.42E-01	1.07E-04	4.59E-02	8.47E-03	2.96E-01	2.71E-01	2.52E+01	4.59E-01	4.33E-02	2.60E+01
2562	493380.5	3860293.11	3.23994	2.34226	4.2408	0.75596	2.47E-01	2.50E+01	4.69E-01	4.32E-02	2.58E+01	2.40E-01	1.06E-04	4.69E-02	8.46E-03	2.95E-01	2.69E-01	2.50E+01	4.69E-01	4.32E-02	2.58E+01
2563	492880.5	3860343.11	2.9447	2.51059	4.1161	0.73646	2.24E-01	2.68E+01	4.55E-01	4.21E-02	2.75E+01	2.18E-01	1.13E-04	4.55E-02	8.24E-03	2.72E-01	2.44E-01	2.68E+01	4.55E-01	4.21E-02	2.75E+01
2564	492930.5	3860343.11	3.01051	2.49715	4.0974	0.73598	2.29E-01	2.66E+01	4.53E-01	4.21E-02	2.74E+01	2.23E-01	1.13E-04	4.53E-02	8.24E-03	2.77E-01	2.50E-01	2.66E+01	4.53E-01	4.21E-02	2.74E+01
2565	492980.5	3860343.11	3.09597	2.45997	4.1226	0.7322	2.36E-01	2.63E+01	4.56E-01	4.19E-02	2.70E+01	2.29E-01	1.11E-04	4.56E-02	8.20E-03	2.83E-01	2.57E-01	2.63E+01	4.56E-01	4.19E-02	2.70E+01
2566	493030.5	3860343.11	3.1406	2.44526	4.0802	0.7321	2.39E-01	2.61E+01	4.51E-01	4.19E-02	2.68E+01	2.33E-01	1.10E-04	4.51E-02	8.20E-03	2.86E-01	2.61E-01	2.61E+01	4.51E-01	4.19E-02	2.68E+01
2567	493080.5	3860343.11	3.20305	2.38074	4.0223	0.72902	2.44E-01	2.54E+01	4.45E-01	4.17E-02	2.61E+01	2.37E-01	1.07E-04	4.45E-02	8.16E-03	2.90E-01	2.66E-01	2.54E+01	4.45E-01	4.17E-02	2.62E+01
2568	493130.5	3860343.11	3.22073	2.38576	3.9623	0.72989	2.45E-01	2.55E+01	4.38E-01	4.17E-02	2.62E+01	2.38E-01	1.08E-04	4.38E-02	8.17E-03	2.91E-01	2.67E-01	2.55E+01	4.38E-01	4.17E-02	2.62E+01
2569	493180.5	3860343.11	3.21773	2.40804	3.8951	0.73217	2.45E-01	2.57E+01	4.31E-01	4.19E-02	2.64E+01	2.38E-01	1.09E-04	4.31E-02	8.20E-03	2.90E-01	2.67E-01	2.57E+01	4.31E-01	4.19E-02	2.64E+01
2570	493230.5	3860343.11	3.22462	2.39792	3.8175	0.73231	2.46E-01	2.56E+01	4.22E-01	4.19E-02	2.63E+01	2.39E-01	1.08E-04	4.22E-02	8.20E-03	2.89E-01	2.68E-01	2.56E+01	4.22E-01	4.19E-02	2.63E+01
2571	493280.5	3860343.11	3.23889	2.36452	3.8091	0.73073	2.47E-01	2.52E+01	4.21E-01	4.18E-02	2.59E+01	2.40E-01	1.07E-04	4.21E-02	8.18E-03	2.90E-01	2.69E-01	2.52E+01	4.21E-01	4.18E-02	2.60E+01
2572	493330.5	3860343.11	3.24005	2.33501	3.8897	0.72973	2.47E-01	2.49E+01	4.30E-01	4.17E-02	2.56E+01	2.40E-01	1.05E-04	4.30E-02	8.17E-03	2.91E-01	2.69E-01	2.49E+01	4.30E-01	4.17E-02	2.57E+01
2573	493380.5	3860343.11	3.22665	2.31837	4.0132	0.72945	2.46E-01	2.47E+01	4.44E-01	4.17E-02	2.55E+01	2.39E-01	1.05E-04	4.44E-02	8.17E-03	2.92E-01	2.68E-01	2.47E+01	4.44E-01	4.17E-02	2.55E+01
2574	492880.5	3860393.11	2.76429	2.52735	4.0691	0.70476	2.11E-01	2.70E+01	4.50E-01	4.03E-02	2.77E+01	2.05E-01	1.14E-04	4.50E-02	7.89E-03	2.58E-01	2.29E-01	2.70E+01	4.50E-01	4.03E-02	2.77E+01
2575	492930.5	3860393.11	2.84662	2.4948	4.078	0.70402	2.17E-01	2.66E+01	4.51E-01	4.03E-02	2.73E+01	2.11E-01	1.12E-04	4.51E-02	7.88E-03	2.64E-01	2.36E-01	2.66E+01	4.51E-01	4.03E-02	2.74E+01
2576	492980.5	3860393.11	2.92781	2.4529	4.092	0.70239	2.23E-01	2.62E+01	4.52E-01	4.02E-02	2.69E+01	2.17E-01	1.11E-04	4.52E-02	7.86E-03	2.70E-01	2.43E-01	2.62E+01	4.52E-01	4.02E-02	2.69E+01
2577	493030.5	3860393.11	2.99624	2.41003	4.0864	0.70154	2.28E-01	2.57E+01	4.52E-01	4.01E-02	2.64E+01	2.22E-01	1.09E-04	4.52E-02	7.85E-03	2.75E-01	2.49E-01	2.57E+01	4.52E-01	4.01E-02	2.65E+01
2578	493080.5	3860393.11	3.07338	2.33911	4.0907	0.69878	2.34E-01	2.50E+01	4.52E-01	4.00E-02	2.57E+01	2.28E-01	1.05E-04	4.52E-02	7.82E-03	2.81E-01	2.55E-01	2.50E+01	4.52E-01	4.00E-02	2.57E+01
2579	493130.5	3860393.11	3.1011	2.34801	4.0392	0.70043	2.36E-01	2.51E+01	4.47E-01	4.01E-02	2.58E+01	2.30E-01	1.06E-04	4.47E-02	7.84E-03	2.82E-01	2.57E-01	2.51E+01	4.47E-01	4.01E-02	2.58E+01
2580	493180.5	3860393.11	3.11441	2.35843	3.9526	0.70278	2.37E-01	2.52E+01	4.37E-01	4.02E-02	2.59E+01	2.31E-01	1.06E-04	4.37E-02	7.87E-03	2.82E-01	2.59E-01	2.52E+01	4.37E-01	4.02E-02	2.59E+01
2581	493230.5	3860393.11	3.13944	2.34558	3.8975	0.70283	2.39E-01	2.50E+01	4.31E-01	4.02E-02	2.57E+01	2.32E-01	1.06E-04	4.31E-02	7.87E-03	2.83E-01	2.61E-01	2.50E+01	4.31E-01	4.02E-02	2.58E+01
2582	493280.5	3860393.11	3.17066	2.31701	3.8587	0.70141	2.42E-01	2.47E+01	4.27E-01	4.01E-02	2.54E+01	2.35E-01	1.04E-04	4.27E-02	7.85E-03	2.85E-01	2.63E-01	2.47E+01	4.27E-01	4.01E-02	2.55E+01
2583	493330.5	3860393.11	3.18625	2.29289	3.7852	0.70074	2.43E-01	2.45E+01	4.18E-01	4.01E-02	2.52E+01	2.36E-01	1.03E-04	4.18E-02	7.84E-03	2.86E-01	2.65E-01	2.45E+01	4.18E-01	4.01E-02	2.52E+01
2584	493380.5	3860393.11	3.18791	2.27702	3.7416	0.70065	2.43E-01	2.43E+01	4.14E-01	4.01E-02	2.50E+01	2.36E-01	1.03E-04	4.14E-02	7.84E-03	2.85E-01	2.65E-01	2.43E+01	4.14E-01	4.01E-02	2.50E+01
2585	492880.5	3860443.11	2.57578	2.53954	3.9919	0.67079	1.96E-01	2.71E+01	4.41E-01	3.84E-02	2.78E+01	1.91E-01	1.14E-04	4.41E-02	7.51E-03	2.42E-01	2.14E-01	2.71E+01	4.41E-01	3.84E-02	2.78E+01
2586	492930.5	3860443.11	2.65772	2.50731	4.0056	0.67151	2.03E-01	2.68E+01	4.43E-01	3.84E-02	2.74E+01	1.97E-01	1.13E-04	4.43E-02	7.52E-03	2.49E-01	2.21E-01	2.68E+01	4.43E-01	3.84E-02	2.75E+01
2587	492980.5	3860443.11	2.74583	2.47327	4.0303	0.67051	2.09E-01	2.64E+01	4.46E-01	3.83E-02	2.71E+01	2.03E-01	1.11E-04	4.46E-02	7.51E-03	2.55E-01	2.28E-01	2.64E+01	4.46E-01	3.83E-02	2.71E+01
2588	493030.5	3860443.11	2.82874	2.44445	4.0463	0.6697	2.16E-01	2.61E+01	4.47E-01	3.83E-02	2.68E+01	2.09E-01	1.10E-04	4.47E-02	7.50E-03	2.62E-01	2.35E-01	2.61E+01	4.47E-01	3.83E-02	2.68E+01
2589	493080.5	3860443.11	2.89265	2.41004	4.037	0.66998	2.20E-01	2.57E+01	4.46E-01	3.83E-02	2.64E+01	2.14E-01	1.09E-04	4.46E-02	7.50E-03	2.66E-01	2.40E-01	2.57E+01	4.46E-01	3.83E-02	2.64E+01
2590	493130.5	3860443.11	2.94977	2.37527	4.0194	0.67019	2.25E-01	2.53E+01	4.44E-01	3.83E-02	2.61E+01	2.18E-01	1.07E-04	4.44E-02	7.50E-03	2.70E-01	2.45E-01	2.53E+01	4.44E-01	3.83E-02	2.61E+01
2591	493180.5	3860443.11	2.981	2.35013	3.9603	0.67241	2.27E-01	2.51E+01	4.38E-01	3.85E-02	2.58E+01	2.21E-01	1.06E-04	4.38E-02	7.53E-03	2.72E-01	2.47E-01	2.51E+01	4.38E-01	3.85E-02	2.58E+01
2592	493230.5	3860443.11	3.03523	2.30985	3.9492	0.67109	2.31E-01	2.47E+01	4.37E-01	3.84E-02	2.54E+01	2.25E-01	1.04E-04	4.37E-02	7.51E-03	2.76E-01	2.52E-01	2.47E+01	4.37E-01	3.84E-02	2.54E+01
2593	493280.5	3860443.11	3.07353	2.27192	3.9153	0.67074	2.34E-01	2.42E+01	4.33E-01	3.84E-02	2.50E+01	2.28E-01	1.02E-04	4.33E-02	7.51E-03	2.78E-01	2.55E-01	2.42E+01	4.33E-01	3.84E-02	2.50E+01
2594	493330.5	3860443.11	3.10913	2.23546	3.8842	0.66977	2.37E-01	2.39E+01	4.29E-01	3.83E-02	2.46E+01	2.30E-01	1.01E-04	4.29E-02	7.50E-03	2.81E-01	2.58E-01	2.39E+01	4.29E-01	3.83E-02	2.46E+01
2595	493380.5	3860443.11	3.11919	2.22992	3.8163	0.67058	2.38E-01	2.38E+01	4.22E-01	3.83E-02	2.45E+01	2.31E-01	1.01E-04	4.22E-02	7.51E-03	2.81E-01	2.59E-01	2.38E+01	4.22E-01	3.83E-02	2.45E+01
2596	493180.5	3860493.11	2.84512	2.3537	3.9616	0.63875	2.17E-01	2.51E+01	4.38E-01	3.65E-02	2.58E+01	2.11E-01	1.06E-04	4.38E-02	7.15E-03	2.62E-01	2.36E-01	2.51E+01	4.38E-01	3.65E-02	2.58E+01
2597	493230.5	3860493.11	2.9039	2.32123	3.9537	0.63859	2.21E-01	2.48E+01	4.37E-01	3.65E-02	2.55E+01	2.15E-01	1.05E-04	4.37E-02	7.15E-03	2.66E-01	2.41E-01	2.48E+01	4.37E-01	3.65E-02	2.55E+01
2598	493280.5	3860493.11	2.95777	2.28609	3.9402	0.63831	2.25E-01	2.44E+01	4.36E-01	3.65E-02	2.51E+01	2.19E-01	1.03E-04	4.36E-02	7.15E-03	2.70E-01	2.46E-01	2.44E+01	4.36E-01	3.65E-02	2.51E+01
2599	493330.5	3860493.11	2.99801	2.25163	3.9111	0.6385	2.29E-01	2.40E+01	4.32E-01	3.65E-02	2.47E+01	2.22E-01	1.02E-04	4.32E-02	7.15E-03	2.72E-01	2.49E-01	2.40E+01	4.32E-01	3.65E-02	2.47E+01
2600	493380.5	3860493.11	3.02124	2.22438	3.8568	0.63966	2.30E-01	2.37E+01	4.26E-01	3.66E-02	2.44E+01	2.24E-01	1.00E-04	4.26E-02	7.16E-03	2.74E-01	2.51E-01	2.37E+01	4.26E-01	3.66E-02	2.45E+01
2601	493330.5	3860543.11	2.87405	2.25003	3.9163	0.61251	2.19E-01	2.40E+01	4.33E-01	3.50E-02	2.47E+01	2.13E-01	1.01E-04	4.33E-02	6.86E-03	2.63E-01	2.39E-01	2.40E+01	4.33E-01	3.50E-02	2.47E+01
2602	493380.5	3860543.11	2.90921	2.22302	3.8768	0.6102	2.22E-01	2.37E+01	4.29E-01	3.49E-02	2.44E+01	2.15E-01	1.00E-04	4.29E-02	6.83E-03	2.65E-01	2.42E-01	2.37E+01	4.29E-01	3.49E-02	2.44E+01
2603	494135.94	3860876.85	2.6243	1.74383	3.4246	0.62839	2.00E-01	1.86E+01	3.79E-01	3.59E-02	1.92E+01	1.94E-01	7.86E-05	3.79E-02	7.03E-03	2.39E-01	2.18E-01	1.86E+01	3.79E-01	3.59E-02	1.92E+01
2604	494185.94	3860876.85	2.63413	1.7292	3.3858	0.62494	2.01E-01	1.85E+01	3.74E-01	3.57E-02	1.91E+01	1.95E-01	7.79E-05	3.74E-02	7.00E-03	2.40E-01	2.19E-01	1.85E+01	3.74E-01	3.57E-02	1.91E+01
2605	494135.94	3860926.85	2.54416	1.71149	3.4309	0.63869	1.94E-01	1.83E+01	3.79E-01	3.65E-02	1.89E+01	1.88E-01	7.72E-05	3.79E-02	7.15E-03	2.34E-01	2.11E-01	1.83E+01	3.79E-01	3.65E-02	1.89E+01
2606	494185.94	3860926.85	2.56462	1.69947	3.4059	0.63573	1.95E-01	1.81E+01	3.77E-01	3.64E-02	1.87E+01	1.90E-01	7.66E-05	3.77E-02	7.12E-03	2.35E-01	2.13E-01	1.81E+01	3.77E-01	3.64E-02	1.88E+01
2607	494135.94	3860976.85	2.45139	1.7024	3.4152	0.6488	1.87E-01	1.82E+01	3.78E-01	3.71E-02	1.88E+01	1.81E-01	7.67E-05	3.78E-02	7.26E-03	2.27E-01	2.04E-01	1.82E+01	3.78E-01	3.71E-02	1.88E+01
2608	494185.94	3860976.85	2.48093	1.69108	3.4027	0.64607	1.89E-01	1.80E+01	3.76E-01	3.69E-02	1.86E+01	1.84E-01	7.62E-05	3.76E-02	7.23E-03	2.29E-01	2.06E-01	1.80E+01	3.76E-01	3.69E-02	1.87E+01
2609	494135.94	3861026.85	2.34392	1.68551	3.3735	0.65752	1.79E-01	1.80E+01	3.73E-01	3.76E-02	1.86E+01	1.74E-01	7.60E-05	3.73E-02	7.36E-03	2.18E-01	1.95E-01	1.80E+01	3.73E-01	3.76E-02	1.86E+01
2610	494185.94	3861026.85	2.38255	1.67477	3.3739	0.65516	1.82E-01	1.79E+01	3.73E-01	3.75E-02	1.85E+01	1.76E-01	7.55E-05	3.73E-02	7.33E-03	2.21E-01	1.98E-01	1.79E+01	3.73E-01	3.75E-02	1.85E+01
2611	494135.94	3861076.85	2.22653	1.69209	3.3106	0.66536	1.70E-01	1.81E+01	3.66E-01	3.80E-02	1.86E+01	1.65E-01	7.63E-05	3.66E-02	7.45E-03	2.09E-01	1.85E-01	1.81E+01	3.66E-01	3.80E-02	1.86E+01
2612	494185.94	3861076.85	2.27253	1.67059	3.3219	0.66307	1.73E-01	1.78E+01	3.67E-01	3.79E-02	1.84E+01	1.68E-01	7.53E-05	3.67E-02	7.42E-03	2.12E-01	1.89E-01	1.78E+01	3.67E-01	3.79E-02	1.84E+01
2613	490360.04	3858710.04	6.18519	4.88015	4.5707	0.69442	4.71E-01	5.21E+01	5.05E-01	3.97E-02	5.31E+01	4.58E-01	2.20E-04	5.05E-02	7.77E-03	5.16E-01	5.14E-01	5.21E+01	5.05E-01	3.97E-02	5.31E+01
2614	490410.04	3858710.04	6.1166	4.70144	4.5959	0.71397	4.66E-01	5.02E+01	5.08E-01	4.08E-02	5.12E+01	4.53E-01	2.12E-04	5.08E-02	7.99E-03	5.12E-01	5.08E-01	5.02E+01	5.08E-01	4.08E-02	5.12E+01
2615	490460.04	3858710.04	6.03433	4.42831	4.6676	0.74465	4.60E-01	4.73E+01	5.16E-01	4.26E-02	4.83E+01	4.47E-01	2.00E-04	5.16E-02	8.34E-03	5.07E-01	5.01E-01	4.73E+01	5.16E-01	4.26E-02	4.83E+01
2616	490510.04	3858710.04	5.91667	4.25829	4.7339	0.75518	4.51E-01	4.54E+01	5.23E-01	4.32E-02	4.65E+01	4.38E-01	1.92E-04	5.23E-02	8.45E-03	4.99E-01	4.91E-01	4.54E+01	5.23E-01	4.32E-02	4.65E+01
2617	490560.04	3858710.04	5.77845	4.12095	4.7931	0.7586	4.40E-01	4.40E+01	5.30E-01	4.34E-02	4.50E+01	4.28E-01	1.86E-04	5.30E-02	8.49E-03	4.89E-01	4.80E-01	4.40E+01	5.30E-01	4.34E-02	4.50E+01
2618	490610.04	3858710.04	5.62627	3.96957	4.8443	0.76159	4.29E-01	4.24E+01	5.36E-01	4.36E-02	4.34E+01	4.17E-01	1.79E-04	5.36E-02	8.53E-03	4.79E-01	4.67E-01	4.24E+01	5.36E-01	4.36E-02	4.34E+01
2619	490660.04	3858710.04	5.45496	3.90483	4.8899	0.74973	4.16E-01	4.17E+01	5.41E-01	4.29E-02	4.27E+01	4.04E-01	1.76E-04	5.41E-02	8.39E-03	4.66E-01	4.53E-01	4.17E+01	5.41E-01	4.29E-02	4.27E+01

2620	490710.04	3858710.04	5.28241	3.7032	4.9252	0.75249	4.03E-01	3.95E+01	5.45E-01	4.30E-02	4.05E+01	3.91E-01	1.67E-04	5.45E-02	8.42E-03	4.54E-01	4.39E-01	3.95E+01	5.45E-01	4.30E-02	4.05E+01
2621	490760.04	3858710.04	5.09773	3.54019	4.9545	0.76547	3.89E-01	3.78E+01	5.48E-01	4.38E-02	3.88E+01	3.77E-01	1.60E-04	5.48E-02	8.57E-03	4.41E-01	4.23E-01	3.78E+01	5.48E-01	4.38E-02	3.88E+01
2622	490810.04	3858710.04	4.90617	3.38115	4.9773	0.77712	3.74E-01	3.61E+01	5.50E-01	4.44E-02	3.71E+01	3.63E-01	1.52E-04	5.50E-02	8.70E-03	4.27E-01	4.07E-01	3.61E+01	5.50E-01	4.44E-02	3.71E+01
2623	490860.04	3858710.04	4.91561	3.17523	4.993	0.83046	3.75E-01	3.39E+01	5.52E-01	4.75E-02	3.49E+01	3.64E-01	1.43E-04	5.52E-02	9.30E-03	4.29E-01	4.08E-01	3.39E+01	5.52E-01	4.75E-02	3.49E+01
2624	490360.04	3858760.04	6.12959	5.045	4.6146	0.7163	4.67E-01	5.38E+01	5.10E-01	4.10E-02	5.49E+01	4.54E-01	2.27E-04	5.10E-02	8.02E-03	5.13E-01	5.09E-01	5.38E+01	5.10E-01	4.10E-02	5.49E+01
2625	490410.04	3858760.04	6.11262	4.82201	4.5332	0.7342	4.66E-01	5.15E+01	5.01E-01	4.20E-02	5.25E+01	4.53E-01	2.17E-04	5.01E-02	8.22E-03	5.11E-01	5.07E-01	5.15E+01	5.01E-01	4.20E-02	5.25E+01
2626	490460.04	3858760.04	6.07093	4.57232	4.4463	0.75369	4.63E-01	4.88E+01	4.92E-01	4.31E-02	4.98E+01	4.49E-01	2.06E-04	4.92E-02	8.44E-03	5.07E-01	5.04E-01	4.88E+01	4.92E-01	4.31E-02	4.98E+01
2627	490510.04	3858760.04	6.00284	4.3162	4.3417	0.7718	4.58E-01	4.61E+01	4.80E-01	4.41E-02	4.70E+01	4.44E-01	1.95E-04	4.80E-02	8.64E-03	5.01E-01	4.98E-01	4.61E+01	4.80E-01	4.41E-02	4.71E+01
2628	490560.04	3858760.04	5.9056	4.13164	4.326	0.77724	4.50E-01	4.41E+01	4.78E-01	4.44E-02	4.51E+01	4.37E-01	1.86E-04	4.78E-02	8.70E-03	4.94E-01	4.90E-01	4.41E+01	4.78E-01	4.44E-02	4.51E+01
2629	490610.04	3858760.04	5.78921	3.93156	4.4235	0.78036	4.41E-01	4.20E+01	4.89E-01	4.46E-02	4.29E+01	4.29E-01	1.77E-04	4.89E-02	8.74E-03	4.86E-01	4.81E-01	4.20E+01	4.89E-01	4.46E-02	4.30E+01
2630	490660.04	3858760.04	5.65329	3.76344	4.4907	0.77411	4.31E-01	4.02E+01	4.96E-01	4.43E-02	4.11E+01	4.19E-01	1.70E-04	4.96E-02	8.67E-03	4.77E-01	4.69E-01	4.02E+01	4.96E-01	4.43E-02	4.12E+01
2631	490710.04	3858760.04	5.5028	3.59697	4.5336	0.78501	4.19E-01	3.84E+01	5.01E-01	4.49E-02	3.94E+01	4.07E-01	1.62E-04	5.01E-02	8.79E-03	4.66E-01	4.57E-01	3.84E+01	5.01E-01	4.49E-02	3.94E+01
2632	490760.04	3858760.04	5.34172	3.39566	4.5647	0.81361	4.07E-01	3.62E+01	5.05E-01	4.65E-02	3.72E+01	3.95E-01	1.53E-04	5.05E-02	9.11E-03	4.55E-01	4.43E-01	3.62E+01	5.05E-01	4.65E-02	3.72E+01
2633	490810.04	3858760.04	5.16805	3.21837	4.6069	0.85146	3.94E-01	3.43E+01	5.09E-01	4.87E-02	3.53E+01	3.83E-01	1.45E-04	5.09E-02	9.53E-03	4.43E-01	4.29E-01	3.43E+01	5.09E-01	4.87E-02	3.53E+01
2634	490860.04	3858760.04	4.98532	3.07655	4.6467	0.87381	3.80E-01	3.28E+01	5.14E-01	5.00E-02	3.38E+01	3.69E-01	1.39E-04	5.14E-02	9.78E-03	4.30E-01	4.14E-01	3.28E+01	5.14E-01	5.00E-02	3.38E+01
2635	490360.04	3858810.04	5.98977	5.12068	4.4559	0.74631	4.57E-01	5.46E+01	4.93E-01	4.27E-02	5.56E+01	4.43E-01	2.31E-04	4.93E-02	8.35E-03	5.01E-01	4.97E-01	5.46E+01	4.93E-01	4.27E-02	5.57E+01
2636	490410.04	3858810.04	6.02513	4.86075	4.4515	0.76364	4.59E-01	5.19E+01	4.92E-01	4.37E-02	5.29E+01	4.46E-01	2.19E-04	4.92E-02	8.55E-03	5.04E-01	5.00E-01	5.19E+01	4.92E-01	4.37E-02	5.29E+01
2637	490460.04	3858810.04	6.03111	4.59509	4.4444	0.77957	4.60E-01	4.90E+01	4.91E-01	4.46E-02	5.00E+01	4.47E-01	2.07E-04	4.91E-02	8.73E-03	5.05E-01	5.01E-01	4.90E+01	4.91E-01	4.46E-02	5.01E+01
2638	490510.04	3858810.04	6.00187	4.40781	4.4155	0.78298	4.57E-01	4.70E+01	4.88E-01	4.48E-02	4.80E+01	4.44E-01	1.99E-04	4.88E-02	8.76E-03	5.02E-01	4.98E-01	4.70E+01	4.88E-01	4.48E-02	4.81E+01
2639	490560.04	3858810.04	5.94845	4.20798	4.3624	0.78186	4.53E-01	4.49E+01	4.82E-01	4.47E-02	4.59E+01	4.40E-01	1.90E-04	4.82E-02	8.75E-03	4.98E-01	4.94E-01	4.49E+01	4.82E-01	4.47E-02	4.59E+01
2640	490610.04	3858810.04	5.87579	3.93872	4.2878	0.78253	4.48E-01	4.20E+01	4.74E-01	4.47E-02	4.30E+01	4.35E-01	1.78E-04	4.74E-02	8.76E-03	4.91E-01	4.88E-01	4.20E+01	4.74E-01	4.47E-02	4.30E+01
2641	490660.04	3858810.04	5.77715	3.73953	4.3371	0.79181	4.40E-01	3.99E+01	4.80E-01	4.53E-02	4.09E+01	4.28E-01	1.69E-04	4.80E-02	8.86E-03	4.85E-01	4.80E-01	3.99E+01	4.80E-01	4.53E-02	4.09E+01
2642	490710.04	3858810.04	5.66052	3.5224	4.4811	0.81407	4.31E-01	3.76E+01	4.95E-01	4.66E-02	3.86E+01	4.19E-01	1.59E-04	4.95E-02	9.11E-03	4.78E-01	4.70E-01	3.76E+01	4.95E-01	4.66E-02	3.86E+01
2643	490760.04	3858810.04	5.52835	3.25171	4.6249	0.87041	4.21E-01	3.47E+01	5.11E-01	4.98E-02	3.57E+01	4.09E-01	1.47E-04	5.11E-02	9.74E-03	4.70E-01	4.59E-01	3.47E+01	5.11E-01	4.98E-02	3.57E+01
2644	490810.04	3858810.04	5.3774	3.1664	4.6837	0.86633	4.10E-01	3.38E+01	5.18E-01	4.95E-02	3.48E+01	3.98E-01	1.43E-04	5.18E-02	9.70E-03	4.60E-01	4.46E-01	3.38E+01	5.18E-01	4.95E-02	3.48E+01
2645	490860.04	3858810.04	5.21669	2.9744	4.7586	0.89244	3.98E-01	3.17E+01	5.26E-01	5.10E-02	3.27E+01	3.86E-01	1.34E-04	5.26E-02	9.99E-03	4.49E-01	4.33E-01	3.17E+01	5.26E-01	5.10E-02	3.28E+01
2646	490360.04	3858860.04	5.7682	5.08823	4.2965	0.78514	4.40E-01	5.43E+01	4.75E-01	4.49E-02	5.53E+01	4.27E-01	2.29E-04	4.75E-02	8.79E-03	4.84E-01	4.79E-01	5.43E+01	4.75E-01	4.49E-02	5.53E+01
2647	490410.04	3858860.04	5.83988	4.94292	4.164	0.78582	4.45E-01	5.27E+01	4.60E-01	4.49E-02	5.37E+01	4.32E-01	2.23E-04	4.60E-02	8.80E-03	4.87E-01	4.85E-01	5.27E+01	4.60E-01	4.49E-02	5.37E+01
2648	490460.04	3858860.04	5.89858	4.62632	4.2157	0.79837	4.50E-01	4.94E+01	4.66E-01	4.57E-02	5.03E+01	4.37E-01	2.09E-04	4.66E-02	8.94E-03	4.92E-01	4.90E-01	4.94E+01	4.66E-01	4.57E-02	5.04E+01
2649	490510.04	3858860.04	5.91161	4.50189	4.2654	0.7854	4.51E-01	4.80E+01	4.72E-01	4.49E-02	4.90E+01	4.38E-01	2.03E-04	4.72E-02	8.79E-03	4.94E-01	4.91E-01	4.80E+01	4.72E-01	4.49E-02	4.91E+01
2650	490560.04	3858860.04	5.90914	4.24251	4.3078	0.78095	4.50E-01	4.53E+01	4.76E-01	4.47E-02	4.62E+01	4.37E-01	1.91E-04	4.76E-02	8.74E-03	4.94E-01	4.91E-01	4.53E+01	4.76E-01	4.47E-02	4.63E+01
2651	490610.04	3858860.04	5.88509	3.8941	4.3731	0.80204	4.49E-01	4.16E+01	4.83E-01	4.59E-02	4.25E+01	4.36E-01	1.76E-04	4.83E-02	8.98E-03	4.93E-01	4.89E-01	4.16E+01	4.83E-01	4.59E-02	4.26E+01
2652	490660.04	3858860.04	5.82738	3.69835	4.3651	0.81223	4.44E-01	3.95E+01	4.83E-01	4.64E-02	4.04E+01	4.31E-01	1.67E-04	4.83E-02	9.09E-03	4.89E-01	4.84E-01	3.95E+01	4.83E-01	4.64E-02	4.05E+01
2653	490710.04	3858860.04	5.7449	3.56515	4.3042	0.8114	4.38E-01	3.80E+01	4.76E-01	4.64E-02	3.90E+01	4.25E-01	1.61E-04	4.76E-02	9.08E-03	4.82E-01	4.77E-01	3.80E+01	4.76E-01	4.64E-02	3.90E+01
2654	490760.04	3858860.04	5.64654	3.29536	4.3331	0.84657	4.30E-01	3.52E+01	4.79E-01	4.84E-02	3.61E+01	4.18E-01	1.49E-04	4.79E-02	9.48E-03	4.76E-01	4.69E-01	3.52E+01	4.79E-01	4.84E-02	3.62E+01
2655	490810.04	3858860.04	5.52836	3.06512	4.526	0.87278	4.21E-01	3.27E+01	5.00E-01	4.99E-02	3.37E+01	4.09E-01	1.38E-04	5.00E-02	9.77E-03	4.69E-01	4.59E-01	3.27E+01	5.00E-01	4.99E-02	3.37E+01
2656	490860.04	3858860.04	5.39232	2.83976	4.7034	0.89786	4.11E-01	3.03E+01	5.20E-01	5.13E-02	3.13E+01	3.99E-01	1.28E-04	5.20E-02	1.01E-02	4.61E-01	4.48E-01	3.03E+01	5.20E-01	5.13E-02	3.13E+01
2657	490360.04	3858910.04	5.43284	5.29849	4.5807	0.79528	4.14E-01	5.65E+01	5.06E-01	4.55E-02	5.75E+01	4.02E-01	2.39E-04	5.06E-02	8.90E-03	4.62E-01	4.51E-01	5.65E+01	5.06E-01	4.55E-02	5.75E+01
2658	490410.04	3858910.04	5.56432	5.04753	4.491	0.79632	4.24E-01	5.39E+01	4.97E-01	4.55E-02	5.48E+01	4.12E-01	2.28E-04	4.97E-02	8.91E-03	4.71E-01	4.62E-01	5.39E+01	4.97E-01	4.55E-02	5.49E+01
2659	490460.04	3858910.04	5.66803	4.77787	4.3658	0.79293	4.32E-01	5.10E+01	4.83E-01	4.53E-02	5.19E+01	4.20E-01	2.15E-04	4.83E-02	8.88E-03	4.77E-01	4.71E-01	5.10E+01	4.83E-01	4.53E-02	5.20E+01
2660	490510.04	3858910.04	5.74384	4.49236	4.2116	0.78691	4.38E-01	4.79E+01	4.66E-01	4.50E-02	4.89E+01	4.25E-01	2.03E-04	4.66E-02	8.81E-03	4.81E-01	4.77E-01	4.79E+01	4.66E-01	4.50E-02	4.89E+01
2661	490560.04	3858910.04	5.79117	4.19104	4.2451	0.8	4.41E-01	4.47E+01	4.69E-01	4.57E-02	4.57E+01	4.29E-01	1.89E-04	4.69E-02	8.96E-03	4.85E-01	4.81E-01	4.47E+01	4.69E-01	4.57E-02	4.57E+01
2662	490610.04	3858910.04	5.80856	3.89766	4.4083	0.81827	4.43E-01	4.16E+01	4.87E-01	4.68E-02	4.26E+01	4.30E-01	1.76E-04	4.87E-02	9.16E-03	4.88E-01	4.82E-01	4.16E+01	4.87E-01	4.68E-02	4.26E+01
2663	490660.04	3858910.04	5.79474	3.68848	4.5164	0.823	4.42E-01	3.94E+01	4.99E-01	4.71E-02	4.04E+01	4.29E-01	1.66E-04	4.99E-02	9.21E-03	4.88E-01	4.81E-01	3.94E+01	4.99E-01	4.71E-02	4.04E+01
2664	490710.04	3858910.04	5.75715	3.44276	4.6073	0.82705	4.39E-01	3.67E+01	5.09E-01	4.73E-02	3.77E+01	4.26E-01	1.55E-04	5.09E-02	9.26E-03	4.87E-01	4.78E-01	3.67E+01	5.09E-01	4.73E-02	3.78E+01
2665	490760.04	3858910.04	5.69636	3.15511	4.6898	0.85366	4.34E-01	3.37E+01	5.19E-01	4.88E-02	3.47E+01	4.22E-01	1.42E-04	5.19E-02	9.56E-03	4.83E-01	4.73E-01	3.37E+01	5.19E-01	4.88E-02	3.47E+01
2666	490810.04	3858910.04	5.61107	2.98199	4.688	0.8593	4.28E-01	3.18E+01	5.18E-01	4.91E-02	3.28E+01	4.15E-01	1.34E-04	5.18E-02	9.62E-03	4.77E-01	4.66E-01	3.18E+01	5.18E-01	4.91E-02	3.29E+01
2667	490860.04	3858910.04	5.50669	2.87444	4.7021	0.88863	4.20E-01	3.07E+01	5.20E-01	5.08E-02	3.17E+01	4.08E-01	1.30E-04	5.20E-02	9.95E-03	4.70E-01	4.57E-01	3.07E+01	5.20E-01	5.08E-02	3.17E+01
2668	490360.04	3858960.04	5.04544	5.31261	4.7712	0.80795	3.85E-01	5.67E+01	5.28E-01	4.62E-02	5.77E+01	3.74E-01	2.39E-04	5.28E-02	9.04E-03	4.36E-01	4.19E-01	5.67E+01	5.28E-01	4.62E-02	5.77E+01
2669	490410.04	3858960.04	5.2246	5.00782	4.598	0.80421	3.98E-01	5.34E+01	5.08E-01	4.60E-02	5.44E+01	3.87E-01	2.26E-04	5.08E-02	9.00E-03	4.47E-01	4.34E-01	5.34E+01	5.08E-01	4.60E-02	5.44E+01
2670	490460.04	3858960.04	5.37694	4.68278	4.5786	0.79596	4.10E-01	5.00E+01	5.06E-01	4.55E-02	5.09E+01	3.98E-01	2.11E-04	5.06E-02	8.91E-03	4.58E-01	4.46E-01	5.00E+01	5.06E-01	4.55E-02	5.10E+01
2671	490510.04	3858960.04	5.49637	4.41113	4.5206	0.8109	4.19E-01	4.71E+01	5.00E-01	4.64E-02	4.80E+01	4.07E-01	1.99E-04	5.00E-02	9.08E-03	4.66E-01	4.56E-01	4.71E+01	5.00E-01	4.64E-02	4.81E+01
2672	490560.04	3858960.04	5.58655	4.15067	4.4269	0.82093	4.26E-01	4.43E+01	4.89E-01	4.69E-02	4.53E+01	4.14E-01	1.87E-04	4.89E-02	9.19E-03	4.72E-01	4.64E-01	4.43E+01	4.89E-01	4.69E-02	4.53E+01
2673	490610.04	3858960.04	5.65124	3.80152	4.4416	0.83405	4.31E-01	4.06E+01	4.91E-01	4.77E-02	4.15E+01	4.18E-01	1.71E-04	4.91E-02	9.34E-03	4.77E-01	4.69E-01	4.06E+01	4.91E-01	4.77E-02	4.16E+01
2674	490660.04	3858960.04	5.67988	3.68455	4.4034	0.82034	4.33E-01	3.93E+01	4.87E-01	4.69E-02	4.03E+01	4.21E-01	1.66E-04	4.87E-02	9.18E-03	4.79E-01	4.72E-01	3.93E+01	4.87E-01	4.69E-02	4.03E+01
2675	490710.04	3858960.04	5.68796	3.36966	4.5752	0.82421	4.34E-01	3.60E+01	5.06E-01	4.71E-02	3.69E+01	4.21E-01	1.52E-04	5.06E-02	9.23E-03	4.81E-01	4.72E-01	3.60E+01	5.06E-01	4.71E-02	3.70E+01
2676	490760.04	3858960.04	5.66758	3.11934	4.7573	0.82962	4.32E-01	3.33E+01	5.26E-01	4.74E-02	3.43E+01	4.20E-01	1.41E-04	5.26E-02	9.29E-03	4.82E-01	4.71E-01	3.33E+01	5.26E-01	4.74E-02	3.43E+01
2677	490810.04	3858960.04	5.62105	3.01573	4.9079	0.85017	4.28E-01	3.22E+01	5.43E-01	4.86E-02	3.32E+01	4.16E-01	1.36E-04	5.43E-02	9.52E-03	4.80E-01	4.67E-01	3.22E+01	5.43E-01	4.86E-02	3.32E+01
2678	490860.04	3858960.04	5.55171	2.89601	5.0526	0.88287	4.23E-01	3.09E+01	5.59E-01	5.05E-02	3.19E+01	4.11E-01	1.31E-04	5.59E-02	9.88E-03	4.77E-01	4.61E-01	3.09E+01	5.59E-01	5.05E-02	3.20E+01
2679	490360.04	3859010.04	4.59993	5.2958	5.1926	0.81275	3.51E-01	5.65E+01	5.74E-01	4.65E-02	5.75E+01	3.41E-01	2.39E-04	5.74E-02	9.10E-03	4.07E-01	3.82E-01	5.65E+01	5.74E-01	4.65E-02	5.75E+01
2680	490410.04	3859010.04	4.81697	4.95216	5.0125	0.80491	3.67E-01	5.28E+01	5.54E-01	4.60E-02	5.38E+01	3.57E-01	2.23E-04	5.54E-02	9.01E-03	4.21E-01	4.00E-01	5.28E+01	5.54E-01	4.60E-02	5.38E+01

2681	490460.04	3859010.04	5.01305	4.54173	4.8114	0.82879	3.82E-01	4.85E+01	5.32E-01	4.74E-02	4.94E+01	3.71E-01	2.05E-04	5.32E-02	9.28E-03	4.34E-01	4.16E-01	4.85E+01	5.32E-01	4.74E-02	4.95E+01
2682	490510.04	3859010.04	5.17872	4.16763	4.5981	0.84321	3.95E-01	4.45E+01	5.08E-01	4.82E-02	4.54E+01	3.83E-01	1.88E-04	5.08E-02	9.44E-03	4.44E-01	4.30E-01	4.45E+01	5.08E-01	4.82E-02	4.55E+01
2683	490560.04	3859010.04	5.30716	4.0099	4.5947	0.83395	4.05E-01	4.28E+01	5.08E-01	4.77E-02	4.38E+01	3.93E-01	1.81E-04	5.08E-02	9.34E-03	4.53E-01	4.41E-01	4.28E+01	5.08E-01	4.77E-02	4.38E+01
2684	490610.04	3859010.04	5.41487	3.67593	4.5741	0.83719	4.13E-01	3.92E+01	5.06E-01	4.79E-02	4.02E+01	4.01E-01	1.66E-04	5.06E-02	9.37E-03	4.61E-01	4.50E-01	3.92E+01	5.06E-01	4.79E-02	4.02E+01
2685	490660.04	3859010.04	5.48826	3.57797	4.6028	0.81343	4.18E-01	3.82E+01	5.09E-01	4.65E-02	3.92E+01	4.06E-01	1.61E-04	5.09E-02	9.11E-03	4.66E-01	4.56E-01	3.82E+01	5.09E-01	4.65E-02	3.92E+01
2686	490710.04	3859010.04	5.53904	3.25146	4.7472	0.80861	4.22E-01	3.47E+01	5.25E-01	4.62E-02	3.57E+01	4.10E-01	1.47E-04	5.25E-02	9.05E-03	4.72E-01	4.60E-01	3.47E+01	5.25E-01	4.62E-02	3.57E+01
2687	490760.04	3859010.04	5.55884	3.12805	4.8286	0.83084	4.24E-01	3.34E+01	5.34E-01	4.75E-02	3.44E+01	4.12E-01	1.41E-04	5.34E-02	9.30E-03	4.74E-01	4.62E-01	3.34E+01	5.34E-01	4.75E-02	3.44E+01
2688	490810.04	3859010.04	5.55356	3.01138	4.8669	0.87593	4.23E-01	3.21E+01	5.38E-01	5.01E-02	3.31E+01	4.11E-01	1.36E-04	5.38E-02	9.81E-03	4.75E-01	4.61E-01	3.21E+01	5.38E-01	5.01E-02	3.32E+01
2689	490860.04	3859010.04	5.52484	2.90789	5.0447	0.92761	4.21E-01	3.10E+01	5.58E-01	5.30E-02	3.21E+01	4.09E-01	1.31E-04	5.58E-02	1.04E-02	4.75E-01	4.59E-01	3.10E+01	5.58E-01	5.30E-02	3.21E+01
2690	490360.04	3859060.04	4.12082	5.19056	5.4776	0.82822	3.14E-01	5.54E+01	6.06E-01	4.74E-02	5.64E+01	3.05E-01	2.34E-04	6.06E-02	9.27E-03	3.75E-01	3.42E-01	5.54E+01	6.06E-01	4.74E-02	5.64E+01
2691	490410.04	3859060.04	4.37149	4.70904	5.35	0.83888	3.33E-01	5.03E+01	5.92E-01	4.80E-02	5.12E+01	3.24E-01	2.12E-04	5.92E-02	9.39E-03	3.92E-01	3.63E-01	5.03E+01	5.92E-01	4.80E-02	5.13E+01
2692	490460.04	3859060.04	4.5933	4.35841	5.1992	0.84547	3.50E-01	4.65E+01	5.75E-01	4.83E-02	4.75E+01	3.40E-01	1.96E-04	5.75E-02	9.46E-03	4.07E-01	3.81E-01	4.65E+01	5.75E-01	4.83E-02	4.75E+01
2693	490510.04	3859060.04	4.78884	4.07504	5.0269	0.84328	3.65E-01	4.35E+01	5.56E-01	4.82E-02	4.45E+01	3.55E-01	1.84E-04	5.56E-02	9.44E-03	4.20E-01	3.98E-01	4.35E+01	5.56E-01	4.82E-02	4.45E+01
2694	490560.04	3859060.04	4.96147	3.7282	4.8346	0.84121	3.78E-01	3.98E+01	5.35E-01	4.81E-02	4.07E+01	3.67E-01	1.68E-04	5.35E-02	9.42E-03	4.30E-01	4.12E-01	3.98E+01	5.35E-01	4.81E-02	4.08E+01
2695	490610.04	3859060.04	5.10436	3.54036	4.6316	0.82145	3.89E-01	3.78E+01	5.12E-01	4.70E-02	3.87E+01	3.78E-01	1.60E-04	5.12E-02	9.20E-03	4.38E-01	4.24E-01	3.78E+01	5.12E-01	4.70E-02	3.88E+01
2696	490660.04	3859060.04	5.22096	3.37555	4.7806	0.79599	3.98E-01	3.60E+01	5.29E-01	4.55E-02	3.70E+01	3.87E-01	1.52E-04	5.29E-02	8.91E-03	4.48E-01	4.33E-01	3.60E+01	5.29E-01	4.55E-02	3.70E+01
2697	490710.04	3859060.04	5.31066	3.21738	5.0914	0.82172	4.05E-01	3.43E+01	5.63E-01	4.70E-02	3.53E+01	3.93E-01	1.45E-04	5.63E-02	9.20E-03	4.59E-01	4.41E-01	3.43E+01	5.63E-01	4.70E-02	3.54E+01
2698	490760.04	3859060.04	5.37299	3.09463	5.3017	0.85424	4.10E-01	3.30E+01	5.86E-01	4.88E-02	3.41E+01	3.98E-01	1.40E-04	5.86E-02	9.56E-03	4.66E-01	4.46E-01	3.30E+01	5.86E-01	4.88E-02	3.41E+01
2699	490810.04	3859060.04	5.40934	2.96973	5.4557	0.89733	4.12E-01	3.17E+01	6.03E-01	5.13E-02	3.28E+01	4.00E-01	1.34E-04	6.03E-02	1.00E-02	4.71E-01	4.49E-01	3.17E+01	6.03E-01	5.13E-02	3.28E+01
2700	490860.04	3859060.04	5.76594	2.86034	5.4903	0.91995	4.39E-01	3.05E+01	6.07E-01	5.26E-02	3.16E+01	4.27E-01	1.29E-04	6.07E-02	1.03E-02	4.98E-01	4.79E-01	3.05E+01	6.07E-01	5.26E-02	3.17E+01
2701	490360.04	3859110.04	3.61443	5.1544	5.6101	0.84207	2.75E-01	5.50E+01	6.20E-01	4.82E-02	5.60E+01	2.68E-01	2.32E-04	6.20E-02	9.43E-03	3.39E-01	3.00E-01	5.50E+01	6.20E-01	4.82E-02	5.60E+01
2702	490410.04	3859110.04	3.88053	4.66983	5.552	0.8362	2.96E-01	4.98E+01	6.14E-01	4.78E-02	5.08E+01	2.87E-01	2.11E-04	6.14E-02	9.36E-03	3.58E-01	3.22E-01	4.98E+01	6.14E-01	4.78E-02	5.08E+01
2703	490460.04	3859110.04	4.12193	4.38294	5.465	0.82794	3.14E-01	4.68E+01	6.04E-01	4.73E-02	4.77E+01	3.05E-01	1.98E-04	6.04E-02	9.27E-03	3.75E-01	3.42E-01	4.68E+01	6.04E-01	4.73E-02	4.78E+01
2704	490510.04	3859110.04	4.35343	3.83942	5.3407	0.83413	3.32E-01	4.10E+01	5.90E-01	4.77E-02	4.19E+01	3.22E-01	1.73E-04	5.90E-02	9.34E-03	3.91E-01	3.61E-01	4.10E+01	5.90E-01	4.77E-02	4.20E+01
2705	490560.04	3859110.04	4.55572	3.55788	5.196	0.81764	3.47E-01	3.80E+01	5.74E-01	4.68E-02	3.89E+01	3.37E-01	1.60E-04	5.74E-02	9.15E-03	4.04E-01	3.78E-01	3.80E+01	5.74E-01	4.68E-02	3.90E+01
2706	490610.04	3859110.04	4.73462	3.36044	5.0284	0.81141	3.61E-01	3.59E+01	5.56E-01	4.64E-02	3.68E+01	3.51E-01	1.51E-04	5.56E-02	9.08E-03	4.15E-01	3.93E-01	3.59E+01	5.56E-01	4.64E-02	3.69E+01
2707	490660.04	3859110.04	4.88608	3.21294	4.9981	0.84234	3.72E-01	3.43E+01	5.53E-01	4.82E-02	3.53E+01	3.62E-01	1.45E-04	5.53E-02	9.43E-03	4.27E-01	4.06E-01	3.43E+01	5.53E-01	4.82E-02	3.53E+01
2708	490710.04	3859110.04	5.01404	3.12759	5.3457	0.85125	3.82E-01	3.34E+01	5.91E-01	4.87E-02	3.44E+01	3.71E-01	1.41E-04	5.91E-02	9.53E-03	4.40E-01	4.16E-01	3.34E+01	5.91E-01	4.87E-02	3.44E+01
2709	490760.04	3859110.04	5.11636	3.01379	5.7228	0.86882	3.90E-01	3.22E+01	6.33E-01	4.97E-02	3.32E+01	3.79E-01	1.36E-04	6.33E-02	9.73E-03	4.52E-01	4.25E-01	3.22E+01	6.33E-01	4.97E-02	3.33E+01
2710	490810.04	3859110.04	5.49519	2.87908	6.1181	0.91185	4.19E-01	3.07E+01	6.76E-01	5.21E-02	3.19E+01	4.07E-01	1.30E-04	6.76E-02	1.02E-02	4.85E-01	4.56E-01	3.07E+01	6.76E-01	5.21E-02	3.19E+01
2711	490860.04	3859110.04	5.66917	2.75321	6.4206	1.05781	4.32E-01	2.94E+01	7.10E-01	6.05E-02	3.06E+01	4.20E-01	1.24E-04	7.10E-02	1.18E-02	5.03E-01	4.71E-01	2.94E+01	7.10E-01	6.05E-02	3.06E+01
2712	490360.04	3859160.04	3.20273	5.14802	5.775	0.85423	2.44E-01	5.49E+01	6.38E-01	4.88E-02	5.59E+01	2.37E-01	2.32E-04	6.38E-02	9.56E-03	3.11E-01	2.66E-01	5.49E+01	6.38E-01	4.88E-02	5.59E+01
2713	490410.04	3859160.04	3.37685	4.68819	5.6001	0.83907	2.57E-01	5.00E+01	6.19E-01	4.80E-02	5.10E+01	2.50E-01	2.11E-04	6.19E-02	9.39E-03	3.22E-01	2.80E-01	5.00E+01	6.19E-01	4.80E-02	5.10E+01
2714	490460.04	3859160.04	3.63543	4.30282	5.5815	0.82398	2.77E-01	4.59E+01	6.17E-01	4.71E-02	4.69E+01	2.69E-01	1.94E-04	6.17E-02	9.22E-03	3.40E-01	3.02E-01	4.59E+01	6.17E-01	4.71E-02	4.69E+01
2715	490510.04	3859160.04	3.88059	3.92323	5.5267	0.81602	2.96E-01	4.19E+01	6.11E-01	4.67E-02	4.28E+01	2.87E-01	1.77E-04	6.11E-02	9.13E-03	3.58E-01	3.22E-01	4.19E+01	6.11E-01	4.67E-02	4.28E+01
2716	490560.04	3859160.04	4.10941	3.47528	5.4373	0.82593	3.13E-01	3.71E+01	6.01E-01	4.72E-02	3.80E+01	3.04E-01	1.57E-04	6.01E-02	9.25E-03	3.74E-01	3.41E-01	3.71E+01	6.01E-01	4.72E-02	3.81E+01
2717	490610.04	3859160.04	4.31515	3.34747	5.3227	0.83462	3.29E-01	3.57E+01	5.88E-01	4.77E-02	3.67E+01	3.19E-01	1.51E-04	5.88E-02	9.34E-03	3.88E-01	3.58E-01	3.57E+01	5.88E-01	4.77E-02	3.67E+01
2718	490660.04	3859160.04	4.49637	3.10473	5.1768	0.86286	3.43E-01	3.31E+01	5.72E-01	4.93E-02	3.41E+01	3.33E-01	1.40E-04	5.72E-02	9.66E-03	4.00E-01	3.73E-01	3.31E+01	5.72E-01	4.93E-02	3.41E+01
2719	490710.04	3859160.04	4.65751	3.00979	5.1067	0.91717	3.55E-01	3.21E+01	5.65E-01	5.24E-02	3.31E+01	3.45E-01	1.36E-04	5.65E-02	1.03E-02	4.12E-01	3.87E-01	3.21E+01	5.65E-01	5.24E-02	3.31E+01
2720	490760.04	3859160.04	5.02602	2.8431	5.8523	1.1037	3.83E-01	3.03E+01	6.47E-01	6.31E-02	3.14E+01	3.72E-01	1.28E-04	6.47E-02	1.24E-02	4.49E-01	4.17E-01	3.03E+01	6.47E-01	6.31E-02	3.15E+01
2721	490810.04	3859160.04	5.22803	2.75178	6.3128	1.21721	3.98E-01	2.94E+01	6.98E-01	6.96E-02	3.05E+01	3.87E-01	1.24E-04	6.98E-02	1.36E-02	4.71E-01	4.34E-01	2.94E+01	6.98E-01	6.96E-02	3.06E+01
2722	490860.04	3859160.04	5.40753	2.65292	6.7384	1.33997	4.12E-01	2.83E+01	7.45E-01	7.66E-02	2.95E+01	4.00E-01	1.20E-04	7.45E-02	1.50E-02	4.90E-01	4.49E-01	2.83E+01	7.45E-01	7.66E-02	2.96E+01
2723	490360.04	3859210.04	3.2652	5.11752	6.1315	0.8649	2.49E-01	5.46E+01	6.78E-01	4.95E-02	5.56E+01	2.42E-01	2.31E-04	6.78E-02	9.68E-03	3.19E-01	2.71E-01	5.46E+01	6.78E-01	4.95E-02	5.56E+01
2724	490410.04	3859210.04	3.18402	4.87258	5.8912	0.85173	2.43E-01	5.20E+01	6.51E-01	4.87E-02	5.29E+01	2.36E-01	2.20E-04	6.51E-02	9.53E-03	3.11E-01	2.64E-01	5.20E+01	6.51E-01	4.87E-02	5.30E+01
2725	490460.04	3859210.04	3.14545	4.20706	5.618	0.83721	2.40E-01	4.49E+01	6.21E-01	4.79E-02	4.58E+01	2.33E-01	1.90E-04	6.21E-02	9.37E-03	3.05E-01	2.61E-01	4.49E+01	6.21E-01	4.79E-02	4.58E+01
2726	490510.04	3859210.04	3.39889	3.82347	5.562	0.83769	2.59E-01	4.08E+01	6.15E-01	4.79E-02	4.17E+01	2.52E-01	1.72E-04	6.15E-02	9.38E-03	3.23E-01	2.82E-01	4.08E+01	6.15E-01	4.79E-02	4.17E+01
2727	490560.04	3859210.04	3.6375	3.57246	5.5443	0.8455	2.77E-01	3.81E+01	6.13E-01	4.83E-02	3.91E+01	2.69E-01	1.61E-04	6.13E-02	9.46E-03	3.40E-01	3.02E-01	3.81E+01	6.13E-01	4.83E-02	3.91E+01
2728	490610.04	3859210.04	3.86501	3.29712	5.4894	0.85202	2.95E-01	3.52E+01	6.07E-01	4.87E-02	3.61E+01	2.86E-01	1.49E-04	6.07E-02	9.54E-03	3.57E-01	3.21E-01	3.52E+01	6.07E-01	4.87E-02	3.62E+01
2729	490660.04	3859210.04	4.07235	3.06492	5.4008	0.9211	3.10E-01	3.27E+01	5.97E-01	5.27E-02	3.37E+01	3.01E-01	1.38E-04	5.97E-02	1.03E-02	3.72E-01	3.38E-01	3.27E+01	5.97E-01	5.27E-02	3.37E+01
2730	490710.04	3859210.04	4.26166	2.93998	5.2897	1.03653	3.25E-01	3.14E+01	5.85E-01	5.93E-02	3.23E+01	3.16E-01	1.33E-04	5.85E-02	1.16E-02	3.86E-01	3.54E-01	3.14E+01	5.85E-01	5.93E-02	3.24E+01
2731	490760.04	3859210.04	4.58163	2.77557	5.151	1.25387	3.49E-01	2.96E+01	5.69E-01	7.17E-02	3.06E+01	3.39E-01	1.25E-04	5.69E-02	1.40E-02	4.10E-01	3.80E-01	2.96E+01	5.69E-01	7.17E-02	3.06E+01
2732	490810.04	3859210.04	4.78652	2.73964	5.4438	1.27596	3.65E-01	2.92E+01	6.02E-01	7.30E-02	3.03E+01	3.54E-01	1.23E-04	6.02E-02	1.43E-02	4.29E-01	3.97E-01	2.92E+01	6.02E-01	7.30E-02	3.03E+01
2733	490860.04	3859210.04	4.97456	2.69618	5.8133	1.30086	3.79E-01	2.88E+01	6.43E-01	7.44E-02	2.99E+01	3.68E-01	1.22E-04	6.43E-02	1.46E-02	4.47E-01	4.13E-01	2.88E+01	6.43E-01	7.44E-02	2.99E+01
2734	490360.04	3859260.04	3.28732	4.98996	6.3613	0.87456	2.51E-01	5.33E+01	7.03E-01	5.00E-02	5.43E+01	2.43E-01	2.25E-04	7.03E-02	9.79E-03	3.24E-01	2.73E-01	5.33E+01	7.03E-01	5.00E-02	5.43E+01
2735	490410.04	3859260.04	3.23654	4.68292	6.1801	0.8628	2.47E-01	5.00E+01	6.83E-01	4.93E-02	5.10E+01	2.40E-01	2.11E-04	6.83E-02	9.66E-03	3.18E-01	2.69E-01	5.00E+01	6.83E-01	4.93E-02	5.10E+01
2736	490460.04	3859260.04	3.16578	4.45772	5.9712	0.85102	2.41E-01	4.76E+01	6.60E-01	4.87E-02	4.85E+01	2.34E-01	2.01E-04	6.60E-02	9.53E-03	3.10E-01	2.63E-01	4.76E+01	6.60E-01	4.87E-02	4.85E+01
2737	490510.04	3859260.04	3.07918	4.18638	5.7382	0.85077	2.35E-01	4.47E+01	6.34E-01	4.86E-02	4.56E+01	2.28E-01	1.89E-04	6.34E-02	9.52E-03	3.01E-01	2.56E-01	4.47E+01	6.34E-01	4.86E-02	4.56E+01
2738	490560.04	3859260.04	3.15838	3.83657	5.5131	0.85619	2.41E-01	4.09E+01	6.10E-01	4.90E-02	4.18E+01	2.34E-01	1.73E-04	6.10E-02	9.58E-03	3.05E-01	2.62E-01	4.09E+01	6.10E-01	4.90E-02	4.19E+01
2739	490610.04	3859260.04	3.40131	3.2984	5.5206	0.8604	2.59E-01	3.52E+01	6.10E-01	4.92E-02	3.61E+01	2.52E-01	1.49E-04	6.10E-02	9.63E-03	3.23E-01	2.82E-01	3.52E+01	6.10E-01	4.92E-02	3.61E+01
2740	490660.04	3859260.04	3.62507	3.22446	5.5041	0.86344	2.76E-01	3.44E+01	6.09E-01	4.94E-02	3.53E+01	2.68E-01	1.45E-04	6.09E-02	9.67E-03	3.39E-01	3.01E-01	3.44E+01	6.09E-01	4.94E-02	3.54E+01
2741	490710.04	3859260.04	3.83748	3.06568	5.452	0.86537	2.92E-01	3.27E+01	6.03E-01	4.95E-02	3.37E+01	2.84E-01	1.38E-04	6.03E-02	9.69E-03	3.54E-01	3.19E-01	3.27E+01	6.03E-01	4.95E-02	3.37E+01

2742	490760.04	3859260.04	4.03109	2.87451	5.3646	1.031	3.07E-01	3.07E+01	5.93E-01	5.90E-02	3.16E+01	2.98E-01	1.30E-04	5.93E-02	1.15E-02	3.69E-01	3.35E-01	3.07E+01	5.93E-01	5.90E-02	3.17E+01
2743	490810.04	3859260.04	4.21103	2.81513	5.2593	1.06076	3.21E-01	3.00E+01	5.81E-01	6.07E-02	3.10E+01	3.12E-01	1.27E-04	5.81E-02	1.19E-02	3.82E-01	3.50E-01	3.00E+01	5.81E-01	6.07E-02	3.10E+01
2744	490860.04	3859260.04	4.37245	2.7554	5.1312	1.0885	3.33E-01	2.94E+01	5.67E-01	6.22E-02	3.04E+01	3.24E-01	1.24E-04	5.67E-02	1.22E-02	3.93E-01	3.63E-01	2.94E+01	5.67E-01	6.22E-02	3.04E+01
2745	490360.04	3859310.04	3.36742	5.10971	6.4641	0.88549	2.57E-01	5.45E+01	7.15E-01	5.06E-02	5.56E+01	2.49E-01	2.30E-04	7.15E-02	9.91E-03	3.31E-01	2.80E-01	5.45E+01	7.15E-01	5.06E-02	5.56E+01
2746	490410.04	3859310.04	3.23321	4.80039	6.3545	0.87535	2.46E-01	5.12E+01	7.03E-01	5.01E-02	5.22E+01	2.39E-01	2.16E-04	7.03E-02	9.80E-03	3.20E-01	2.68E-01	5.12E+01	7.03E-01	5.01E-02	5.22E+01
2747	490460.04	3859310.04	3.19227	4.53854	6.2081	0.86506	2.43E-01	4.84E+01	6.86E-01	4.95E-02	4.94E+01	2.36E-01	2.05E-04	6.86E-02	9.68E-03	3.15E-01	2.65E-01	4.84E+01	6.86E-01	4.95E-02	4.94E+01
2748	490510.04	3859310.04	3.13052	4.35869	6.0316	0.85471	2.39E-01	4.65E+01	6.67E-01	4.89E-02	4.75E+01	2.32E-01	1.96E-04	6.67E-02	9.57E-03	3.08E-01	2.60E-01	4.65E+01	6.67E-01	4.89E-02	4.75E+01
2749	490560.04	3859310.04	3.05507	4.14237	5.8264	0.85681	2.33E-01	4.42E+01	6.44E-01	4.90E-02	4.51E+01	2.26E-01	1.87E-04	6.44E-02	9.59E-03	3.00E-01	2.54E-01	4.42E+01	6.44E-01	4.90E-02	4.52E+01
2750	490610.04	3859310.04	2.96548	3.96952	5.6006	0.85891	2.26E-01	4.24E+01	6.19E-01	4.91E-02	4.33E+01	2.20E-01	1.79E-04	6.19E-02	9.61E-03	2.91E-01	2.46E-01	4.24E+01	6.19E-01	4.91E-02	4.33E+01
2751	490660.04	3859310.04	3.1595	3.70488	5.4753	0.85989	2.41E-01	3.95E+01	6.05E-01	4.92E-02	4.04E+01	2.34E-01	1.67E-04	6.05E-02	9.63E-03	3.04E-01	2.62E-01	3.95E+01	6.05E-01	4.92E-02	4.05E+01
2752	490710.04	3859310.04	3.39197	3.17869	5.4782	0.85978	2.59E-01	3.39E+01	6.06E-01	4.92E-02	3.48E+01	2.51E-01	1.43E-04	6.06E-02	9.62E-03	3.21E-01	2.82E-01	3.39E+01	6.06E-01	4.92E-02	3.49E+01
2753	490760.04	3859310.04	3.60732	2.92088	5.4551	0.85883	2.75E-01	3.12E+01	6.03E-01	4.91E-02	3.21E+01	2.67E-01	1.32E-04	6.03E-02	9.61E-03	3.37E-01	2.99E-01	3.12E+01	6.03E-01	4.91E-02	3.21E+01
2754	490810.04	3859310.04	3.80766	2.85684	5.4048	0.85646	2.90E-01	3.05E+01	5.98E-01	4.90E-02	3.14E+01	2.82E-01	1.29E-04	5.98E-02	9.59E-03	3.51E-01	3.16E-01	3.05E+01	5.98E-01	4.90E-02	3.15E+01
2755	490860.04	3859310.04	3.99308	2.7581	5.3248	0.92245	3.04E-01	2.94E+01	5.89E-01	5.27E-02	3.04E+01	2.96E-01	1.24E-04	5.89E-02	1.03E-02	3.65E-01	3.32E-01	2.94E+01	5.89E-01	5.27E-02	3.04E+01
2756	490360.04	3859360.04	3.58219	5.23369	6.4298	0.8981	2.73E-01	5.59E+01	7.11E-01	5.14E-02	5.69E+01	2.65E-01	2.36E-04	7.11E-02	1.01E-02	3.47E-01	2.97E-01	5.59E+01	7.11E-01	5.14E-02	5.69E+01
2757	490410.04	3859360.04	3.38178	5.03012	6.401	0.88988	2.58E-01	5.37E+01	7.08E-01	5.09E-02	5.47E+01	2.50E-01	2.27E-04	7.08E-02	9.96E-03	3.31E-01	2.81E-01	5.37E+01	7.08E-01	5.09E-02	5.47E+01
2758	490460.04	3859360.04	3.17115	4.84625	6.3294	0.88136	2.42E-01	5.17E+01	7.00E-01	5.04E-02	5.27E+01	2.35E-01	2.18E-04	7.00E-02	9.87E-03	3.15E-01	2.63E-01	5.17E+01	7.00E-01	5.04E-02	5.27E+01
2759	490510.04	3859360.04	3.13238	4.64886	6.2177	0.87236	2.39E-01	4.96E+01	6.87E-01	4.99E-02	5.06E+01	2.32E-01	2.10E-04	6.87E-02	9.77E-03	3.11E-01	2.60E-01	4.96E+01	6.87E-01	4.99E-02	5.06E+01
2760	490560.04	3859360.04	3.08754	4.3486	6.0676	0.86254	2.35E-01	4.64E+01	6.71E-01	4.93E-02	4.74E+01	2.29E-01	1.96E-04	6.71E-02	9.66E-03	3.06E-01	2.56E-01	4.64E+01	6.71E-01	4.93E-02	4.74E+01
2761	490610.04	3859360.04	3.02532	4.06568	5.8886	0.85245	2.31E-01	4.34E+01	6.51E-01	4.87E-02	4.43E+01	2.24E-01	1.83E-04	6.51E-02	9.54E-03	2.99E-01	2.51E-01	4.34E+01	6.51E-01	4.87E-02	4.43E+01
2762	490660.04	3859360.04	2.94671	3.84071	5.6871	0.84666	2.25E-01	4.10E+01	6.29E-01	4.84E-02	4.19E+01	2.18E-01	1.73E-04	6.29E-02	9.48E-03	2.91E-01	2.45E-01	4.10E+01	6.29E-01	4.84E-02	4.19E+01
2763	490710.04	3859360.04	2.94119	3.49616	5.4624	0.84508	2.24E-01	3.73E+01	6.04E-01	4.83E-02	3.82E+01	2.18E-01	1.58E-04	6.04E-02	9.46E-03	2.88E-01	2.44E-01	3.73E+01	6.04E-01	4.83E-02	3.82E+01
2764	490760.04	3859360.04	3.16726	3.1361	5.4177	0.84271	2.41E-01	3.35E+01	5.99E-01	4.82E-02	3.44E+01	2.34E-01	1.41E-04	5.99E-02	9.43E-03	3.04E-01	2.63E-01	3.35E+01	5.99E-01	4.82E-02	3.44E+01
2765	490810.04	3859360.04	3.37998	3.07484	5.4287	0.83975	2.58E-01	3.28E+01	6.00E-01	4.80E-02	3.37E+01	2.50E-01	1.39E-04	6.00E-02	9.40E-03	3.20E-01	2.81E-01	3.28E+01	6.00E-01	4.80E-02	3.37E+01
2766	490860.04	3859360.04	3.58454	2.87441	5.4055	0.83569	2.73E-01	3.07E+01	5.98E-01	4.78E-02	3.16E+01	2.65E-01	1.30E-04	5.98E-02	9.35E-03	3.35E-01	2.98E-01	3.07E+01	5.98E-01	4.78E-02	3.16E+01
2767	490360.04	3859410.04	3.75036	5.29926	6.2677	0.91264	2.86E-01	5.66E+01	6.93E-01	5.22E-02	5.76E+01	2.78E-01	2.39E-04	6.93E-02	1.02E-02	3.57E-01	3.11E-01	5.66E+01	6.93E-01	5.22E-02	5.76E+01
2768	490410.04	3859410.04	3.57539	5.12665	6.315	0.90603	2.73E-01	5.47E+01	6.98E-01	5.18E-02	5.57E+01	2.65E-01	2.31E-04	6.98E-02	1.01E-02	3.45E-01	2.97E-01	5.47E+01	6.98E-01	5.18E-02	5.58E+01
2769	490460.04	3859410.04	3.38695	4.9449	6.3175	0.89863	2.58E-01	5.28E+01	6.98E-01	5.14E-02	5.38E+01	2.51E-01	2.23E-04	6.98E-02	1.01E-02	3.31E-01	2.81E-01	5.28E+01	6.98E-01	5.14E-02	5.38E+01
2770	490510.04	3859410.04	3.18871	4.74634	6.2769	0.89069	2.43E-01	5.07E+01	6.94E-01	5.09E-02	5.16E+01	2.36E-01	2.14E-04	6.94E-02	9.97E-03	3.16E-01	2.65E-01	5.07E+01	6.94E-01	5.09E-02	5.17E+01
2771	490560.04	3859410.04	3.07471	4.54609	6.1964	0.88233	2.34E-01	4.85E+01	6.85E-01	5.05E-02	4.95E+01	2.28E-01	2.05E-04	6.85E-02	9.88E-03	3.06E-01	2.55E-01	4.85E+01	6.85E-01	5.05E-02	4.95E+01
2772	490610.04	3859410.04	3.03683	4.33656	6.0796	0.87349	2.31E-01	4.63E+01	6.72E-01	4.99E-02	4.72E+01	2.25E-01	1.95E-04	6.72E-02	9.78E-03	3.02E-01	2.52E-01	4.63E+01	6.72E-01	4.99E-02	4.73E+01
2773	490660.04	3859410.04	2.98733	3.97149	5.9271	0.86742	2.28E-01	4.24E+01	6.55E-01	4.96E-02	4.33E+01	2.21E-01	1.79E-04	6.55E-02	9.71E-03	2.97E-01	2.48E-01	4.24E+01	6.55E-01	4.96E-02	4.33E+01
2774	490710.04	3859410.04	2.92129	3.69275	5.75	0.86504	2.23E-01	3.94E+01	6.36E-01	4.95E-02	4.03E+01	2.16E-01	1.66E-04	6.36E-02	9.68E-03	2.90E-01	2.43E-01	3.94E+01	6.36E-01	4.95E-02	4.03E+01
2775	490760.04	3859410.04	2.84426	3.31548	5.5478	0.86012	2.17E-01	3.54E+01	6.13E-01	4.92E-02	3.63E+01	2.11E-01	1.49E-04	6.13E-02	9.63E-03	2.82E-01	2.36E-01	3.54E+01	6.13E-01	4.92E-02	3.63E+01
2776	490810.04	3859410.04	2.94814	3.25029	5.3356	0.86012	2.25E-01	3.47E+01	5.90E-01	4.92E-02	3.55E+01	2.18E-01	1.47E-04	5.90E-02	9.63E-03	2.87E-01	2.45E-01	3.47E+01	5.90E-01	4.92E-02	3.56E+01
2777	490860.04	3859410.04	3.15855	3.22343	5.3707	0.86184	2.41E-01	3.44E+01	5.94E-01	4.93E-02	3.53E+01	2.34E-01	1.45E-04	5.94E-02	9.65E-03	3.03E-01	2.62E-01	3.44E+01	5.94E-01	4.93E-02	3.53E+01
2778	490360.04	3859460.04	3.87281	5.22696	5.9907	0.92822	2.95E-01	5.58E+01	6.62E-01	5.31E-02	5.68E+01	2.87E-01	2.36E-04	6.62E-02	1.04E-02	3.64E-01	3.22E-01	5.58E+01	6.62E-01	5.31E-02	5.68E+01
2779	490410.04	3859460.04	3.7305	5.04234	6.1085	0.92227	2.84E-01	5.38E+01	6.75E-01	5.27E-02	5.48E+01	2.76E-01	2.27E-04	6.75E-02	1.03E-02	3.54E-01	3.10E-01	5.38E+01	6.75E-01	5.27E-02	5.48E+01
2780	490460.04	3859460.04	3.5672	4.88356	6.1815	0.91604	2.72E-01	5.21E+01	6.83E-01	5.24E-02	5.31E+01	2.64E-01	2.20E-04	6.83E-02	1.03E-02	3.43E-01	2.96E-01	5.21E+01	6.83E-01	5.24E-02	5.31E+01
2781	490510.04	3859460.04	3.39109	4.71051	6.2118	0.90907	2.58E-01	5.03E+01	6.87E-01	5.20E-02	5.13E+01	2.51E-01	2.12E-04	6.87E-02	1.02E-02	3.30E-01	2.82E-01	5.03E+01	6.87E-01	5.20E-02	5.13E+01
2782	490560.04	3859460.04	3.20299	4.54583	6.2014	0.90155	2.44E-01	4.85E+01	6.86E-01	5.16E-02	4.95E+01	2.37E-01	2.05E-04	6.86E-02	1.01E-02	3.16E-01	2.66E-01	4.85E+01	6.86E-01	5.16E-02	4.95E+01
2783	490610.04	3859460.04	3.01728	4.33462	6.1496	0.89859	2.30E-01	4.63E+01	6.80E-01	5.14E-02	4.72E+01	2.23E-01	1.95E-04	6.80E-02	1.01E-02	3.02E-01	2.50E-01	4.63E+01	6.80E-01	5.14E-02	4.72E+01
2784	490660.04	3859460.04	2.99066	4.09948	6.0604	0.89579	2.28E-01	4.37E+01	6.70E-01	5.12E-02	4.47E+01	2.21E-01	1.85E-04	6.70E-02	1.00E-02	2.99E-01	2.48E-01	4.37E+01	6.70E-01	5.12E-02	4.47E+01
2785	490710.04	3859460.04	2.94528	3.91194	5.9418	0.89457	2.24E-01	4.17E+01	6.57E-01	5.12E-02	4.27E+01	2.18E-01	1.76E-04	6.57E-02	1.00E-02	2.94E-01	2.45E-01	4.17E+01	6.57E-01	5.12E-02	4.27E+01
2786	490760.04	3859460.04	2.88934	3.69875	5.7912	0.89096	2.20E-01	3.95E+01	6.40E-01	5.09E-02	4.04E+01	2.14E-01	1.67E-04	6.40E-02	9.97E-03	2.88E-01	2.40E-01	3.95E+01	6.40E-01	5.09E-02	4.04E+01
2787	490810.04	3859460.04	2.81903	3.49215	5.6175	0.88778	2.15E-01	3.73E+01	6.21E-01	5.08E-02	3.82E+01	2.09E-01	1.57E-04	6.21E-02	9.94E-03	2.81E-01	2.34E-01	3.73E+01	6.21E-01	5.08E-02	3.82E+01
2788	490860.04	3859460.04	2.7893	3.41631	5.4286	0.88754	2.13E-01	3.65E+01	6.00E-01	5.08E-02	3.73E+01	2.07E-01	1.54E-04	6.00E-02	9.94E-03	2.77E-01	2.32E-01	3.65E+01	6.00E-01	5.08E-02	3.73E+01
2789	490360.04	3859510.04	3.94708	5.30157	5.5907	0.94383	3.01E-01	5.66E+01	6.18E-01	5.40E-02	5.75E+01	2.92E-01	2.39E-04	6.18E-02	1.06E-02	3.65E-01	3.28E-01	5.66E+01	6.18E-01	5.40E-02	5.76E+01
2790	490410.04	3859510.04	3.83346	5.1682	5.79	0.9384	2.92E-01	5.52E+01	6.40E-01	5.37E-02	5.61E+01	2.84E-01	2.33E-04	6.40E-02	1.05E-02	3.59E-01	3.18E-01	5.52E+01	6.40E-01	5.37E-02	5.62E+01
2791	490460.04	3859510.04	3.7032	5.01452	5.9413	0.93234	2.82E-01	5.35E+01	6.57E-01	5.33E-02	5.45E+01	2.74E-01	2.26E-04	6.57E-02	1.04E-02	3.51E-01	3.07E-01	5.35E+01	6.57E-01	5.33E-02	5.45E+01
2792	490510.04	3859510.04	3.5535	4.86612	6.0365	0.92788	2.71E-01	5.19E+01	6.67E-01	5.31E-02	5.29E+01	2.63E-01	2.19E-04	6.67E-02	1.04E-02	3.40E-01	2.95E-01	5.19E+01	6.67E-01	5.31E-02	5.29E+01
2793	490560.04	3859510.04	3.38896	4.7121	6.0915	0.92604	2.58E-01	5.03E+01	6.73E-01	5.30E-02	5.13E+01	2.51E-01	2.12E-04	6.73E-02	1.04E-02	3.29E-01	2.81E-01	5.03E+01	6.73E-01	5.30E-02	5.13E+01
2794	490610.04	3859510.04	3.21403	4.53725	6.1062	0.92321	2.45E-01	4.84E+01	6.75E-01	5.28E-02	4.94E+01	2.38E-01	2.05E-04	6.75E-02	1.03E-02	3.16E-01	2.67E-01	4.84E+01	6.75E-01	5.28E-02	4.94E+01
2795	490660.04	3859510.04	3.02928	4.35872	6.0827	0.92015	2.31E-01	4.65E+01	6.73E-01	5.26E-02	4.75E+01	2.24E-01	1.96E-04	6.73E-02	1.03E-02	3.02E-01	2.51E-01	4.65E+01	6.73E-01	5.26E-02	4.75E+01
2796	490710.04	3859510.04	2.9385	4.16939	6.0227	0.91659	2.24E-01	4.45E+01	6.66E-01	5.24E-02	4.54E+01	2.18E-01	1.88E-04	6.66E-02	1.03E-02	2.95E-01	2.44E-01	4.45E+01	6.66E-01	5.24E-02	4.55E+01
2797	490760.04	3859510.04	2.90339	3.99089	5.93	0.91322	2.21E-01	4.26E+01	6.56E-01	5.22E-02	4.35E+01	2.15E-01	1.80E-04	6.56E-02	1.02E-02	2.91E-01	2.41E-01	4.26E+01	6.56E-01	5.22E-02	4.35E+01
2798	490810.04	3859510.04	2.85214	3.85146	5.8095	0.91082	2.17E-01	4.11E+01	6.42E-01	5.21E-02	4.20E+01	2.11E-01	1.74E-04	6.42E-02	1.02E-02	2.86E-01	2.37E-01	4.11E+01	6.42E-01	5.21E-02	4.20E+01
2799	490860.04	3859510.04	2.79053	3.68816	5.6619	0.90742	2.13E-01	3.94E+01	6.26E-01	5.19E-02	4.02E+01	2.07E-01	1.66E-04	6.26E-02	1.02E-02	2.80E-01	2.32E-01	3.94E+01	6.26E-01	5.19E-02	4.03E+01
2800	490360.04	3859560.04	3.97296	5.42575	5.1202	0.95753	3.03E-01	5.79E+01	5.66E-01	5.48E-02	5.88E+01	2.94E-01	2.45E-04	5.66E-02	1.07E-02	3.62E-01	3.30E-01	5.79E+01	5.66E-01	5.48E-02	5.89E+01
2801	490410.04	3859560.04	3.89184	5.3075	5.3639	0.95197	2.97E-01	5.66E+01	5.93E-01	5.44E-02	5.76E+01	2.88E-01	2.39E-04	5.93E-02	1.07E-02	3.58E-01	3.23E-01	5.66E+01	5.93E-01	5.44E-02	5.76E+01
2802	490460.04	3859560.04	3.79102	5.18177	5.5791	0.9468	2.89E-01	5.53E+01	6.17E-01	5.41E-02	5.63E+01	2.81E-01	2.34E-04	6.17E-02	1.06E-02	3.53E-01	3.15E-01	5.53E+01	6.17E-01	5.41E-02	5.63E+01

2803	490510.04	3859560.04	3.67468	5.03106	5.7598	0.94807	2.80E-01	5.37E+01	6.37E-01	5.42E-02	5.47E+01	2.72E-01	2.27E-04	6.37E-02	1.06E-02	3.47E-01	3.05E-01	5.37E+01	6.37E-01	5.42E-02	5.47E+01
2804	490560.04	3859560.04	3.53451	4.91089	5.8822	0.94664	2.69E-01	5.24E+01	6.50E-01	5.41E-02	5.34E+01	2.62E-01	2.21E-04	6.50E-02	1.06E-02	3.38E-01	2.93E-01	5.24E+01	6.50E-01	5.41E-02	5.34E+01
2805	490610.04	3859560.04	3.38353	4.75919	5.9574	0.9429	2.58E-01	5.08E+01	6.59E-01	5.39E-02	5.18E+01	2.50E-01	2.15E-04	6.59E-02	1.06E-02	3.27E-01	2.81E-01	5.08E+01	6.59E-01	5.39E-02	5.18E+01
2806	490660.04	3859560.04	3.21872	4.60709	5.9966	0.93913	2.45E-01	4.92E+01	6.63E-01	5.37E-02	5.01E+01	2.38E-01	2.08E-04	6.63E-02	1.05E-02	3.15E-01	2.67E-01	4.92E+01	6.63E-01	5.37E-02	5.01E+01
2807	490710.04	3859560.04	3.04456	4.43898	5.9986	0.93472	2.32E-01	4.74E+01	6.63E-01	5.35E-02	4.83E+01	2.25E-01	2.00E-04	6.63E-02	1.05E-02	3.02E-01	2.53E-01	4.74E+01	6.63E-01	5.35E-02	4.83E+01
2808	490760.04	3859560.04	2.88551	4.2349	5.9635	0.92911	2.20E-01	4.52E+01	6.59E-01	5.31E-02	4.61E+01	2.14E-01	1.91E-04	6.59E-02	1.04E-02	2.90E-01	2.40E-01	4.52E+01	6.59E-01	5.31E-02	4.61E+01
2809	490810.04	3859560.04	2.85858	4.07105	5.8975	0.92484	2.18E-01	4.34E+01	6.52E-01	5.29E-02	4.44E+01	2.12E-01	1.84E-04	6.52E-02	1.04E-02	2.87E-01	2.37E-01	4.34E+01	6.52E-01	5.29E-02	4.44E+01
2810	490860.04	3859560.04	2.81843	3.8987	5.8007	0.92019	2.15E-01	4.16E+01	6.41E-01	5.26E-02	4.25E+01	2.09E-01	1.76E-04	6.41E-02	1.03E-02	2.83E-01	2.34E-01	4.16E+01	6.41E-01	5.26E-02	4.25E+01
2811	490187.25	3859422.08	4.21162	5.82573	5.5871	0.93426	3.21E-01	6.22E+01	6.18E-01	5.34E-02	6.32E+01	3.12E-01	2.63E-04	6.18E-02	1.05E-02	3.84E-01	3.50E-01	6.22E+01	6.18E-01	5.34E-02	6.32E+01
2812	490237.25	3859422.08	4.11536	5.68291	5.8338	0.92967	3.14E-01	6.06E+01	6.45E-01	5.32E-02	6.17E+01	3.05E-01	2.56E-04	6.45E-02	1.04E-02	3.80E-01	3.42E-01	6.06E+01	6.45E-01	5.32E-02	6.17E+01
2813	490287.25	3859422.08	3.99519	5.53548	6.0304	0.92462	3.05E-01	5.91E+01	6.67E-01	5.29E-02	6.01E+01	2.96E-01	2.50E-04	6.67E-02	1.04E-02	3.73E-01	3.32E-01	5.91E+01	6.67E-01	5.29E-02	6.01E+01
2814	490337.25	3859422.08	3.85663	5.35429	6.1665	0.91892	2.94E-01	5.71E+01	6.82E-01	5.25E-02	5.82E+01	2.86E-01	2.41E-04	6.82E-02	1.03E-02	3.64E-01	3.20E-01	5.71E+01	6.82E-01	5.25E-02	5.82E+01
2815	490187.25	3859472.08	4.20428	5.77964	5.2404	0.94767	3.20E-01	6.17E+01	5.79E-01	5.42E-02	6.26E+01	3.11E-01	2.61E-04	5.79E-02	1.06E-02	3.80E-01	3.49E-01	6.17E+01	5.79E-01	5.42E-02	6.27E+01
2816	490237.25	3859472.08	4.1436	5.59531	5.349	0.94377	3.16E-01	5.97E+01	5.91E-01	5.40E-02	6.07E+01	3.07E-01	2.52E-04	5.91E-02	1.06E-02	3.77E-01	3.44E-01	5.97E+01	5.91E-01	5.40E-02	6.07E+01
2817	490287.25	3859472.08	4.06345	5.37912	5.6113	0.9391	3.10E-01	5.74E+01	6.20E-01	5.37E-02	5.84E+01	3.01E-01	2.42E-04	6.20E-02	1.05E-02	3.74E-01	3.37E-01	5.74E+01	6.20E-01	5.37E-02	5.84E+01
2818	490337.25	3859472.08	3.95231	5.24969	5.8225	0.93437	3.01E-01	5.60E+01	6.44E-01	5.34E-02	5.70E+01	2.93E-01	2.37E-04	6.44E-02	1.05E-02	3.68E-01	3.28E-01	5.60E+01	6.44E-01	5.34E-02	5.70E+01
2819	490297.07	3859500.42	4.0599	5.43077	5.3857	0.94698	3.09E-01	5.80E+01	5.95E-01	5.42E-02	5.89E+01	3.01E-01	2.45E-04	5.95E-02	1.06E-02	3.71E-01	3.37E-01	5.80E+01	5.95E-01	5.42E-02	5.89E+01
2820	490327.07	3859500.42	4.00232	5.3706	5.5243	0.94438	3.05E-01	5.73E+01	6.11E-01	5.40E-02	5.83E+01	2.96E-01	2.42E-04	6.11E-02	1.06E-02	3.68E-01	3.32E-01	5.73E+01	6.11E-01	5.40E-02	5.83E+01
2821	490297.07	3859530.42	4.05568	5.5235	5.0769	0.95629	3.09E-01	5.89E+01	5.61E-01	5.47E-02	5.99E+01	3.00E-01	2.49E-04	5.61E-02	1.07E-02	3.67E-01	3.37E-01	5.89E+01	5.61E-01	5.47E-02	5.99E+01
2822	490327.07	3859530.42	4.01631	5.44581	5.2382	0.95326	3.06E-01	5.81E+01	5.79E-01	5.45E-02	5.91E+01	2.97E-01	2.45E-04	5.79E-02	1.07E-02	3.66E-01	3.33E-01	5.81E+01	5.79E-01	5.45E-02	5.91E+01
2823	490319.73	3859055.34	3.94972	5.60115	5.5425	0.84053	3.01E-01	5.98E+01	6.13E-01	4.81E-02	6.07E+01	2.92E-01	2.52E-04	6.13E-02	9.41E-03	3.63E-01	3.28E-01	5.98E+01	6.13E-01	4.81E-02	6.08E+01
2824	490319.73	3859105.34	3.43937	5.51567	5.6282	0.85383	2.62E-01	5.89E+01	6.22E-01	4.88E-02	5.98E+01	2.55E-01	2.49E-04	6.22E-02	9.56E-03	3.27E-01	2.86E-01	5.89E+01	6.22E-01	4.88E-02	5.98E+01
2825	490069.73	3859155.34	3.91188	6.59481	6.864	0.93124	2.98E-01	7.04E+01	7.59E-01	5.33E-02	7.15E+01	2.90E-01	2.97E-04	7.59E-02	1.04E-02	3.76E-01	3.25E-01	7.04E+01	7.59E-01	5.33E-02	7.15E+01
2826	490119.73	3859155.34	3.67315	6.42983	6.7751	0.91938	2.80E-01	6.86E+01	7.49E-01	5.26E-02	6.97E+01	2.72E-01	2.90E-04	7.49E-02	1.03E-02	3.57E-01	3.05E-01	6.86E+01	7.49E-01	5.26E-02	6.97E+01
2827	490269.73	3859155.34	3.33759	5.8864	6.2243	0.88009	2.54E-01	6.28E+01	6.88E-01	5.03E-02	6.38E+01	2.47E-01	2.65E-04	6.88E-02	9.85E-03	3.26E-01	2.77E-01	6.28E+01	6.88E-01	5.03E-02	6.38E+01
2828	490319.73	3859155.34	3.26421	5.5091	5.9641	0.86535	2.49E-01	5.88E+01	6.59E-01	4.95E-02	5.97E+01	2.42E-01	2.48E-04	6.59E-02	9.69E-03	3.18E-01	2.71E-01	5.88E+01	6.59E-01	4.95E-02	5.98E+01
2829	490069.73	3859205.34	4.11494	6.62208	6.7812	0.93418	3.14E-01	7.07E+01	7.50E-01	5.34E-02	7.18E+01	3.05E-01	2.99E-04	7.50E-02	1.05E-02	3.90E-01	3.42E-01	7.07E+01	7.50E-01	5.34E-02	7.18E+01
2830	490119.73	3859205.34	3.89815	6.53667	6.7917	0.92392	2.97E-01	6.98E+01	7.51E-01	5.28E-02	7.09E+01	2.89E-01	2.95E-04	7.51E-02	1.03E-02	3.74E-01	3.24E-01	6.98E+01	7.51E-01	5.28E-02	7.09E+01
2831	490169.73	3859205.34	3.67784	6.35335	6.7418	0.91278	2.80E-01	6.78E+01	7.45E-01	5.22E-02	6.89E+01	2.72E-01	2.86E-04	7.45E-02	1.02E-02	3.57E-01	3.05E-01	6.78E+01	7.45E-01	5.22E-02	6.89E+01
2832	490219.73	3859205.34	3.45539	6.05865	6.6331	0.90083	2.63E-01	6.47E+01	7.33E-01	5.15E-02	6.57E+01	2.56E-01	2.73E-04	7.33E-02	1.01E-02	3.40E-01	2.87E-01	6.47E+01	7.33E-01	5.15E-02	6.57E+01
2833	490269.73	3859205.34	3.36284	5.65344	6.4757	0.88763	2.56E-01	6.03E+01	7.16E-01	5.08E-02	6.14E+01	2.49E-01	2.55E-04	7.16E-02	9.94E-03	3.31E-01	2.79E-01	6.03E+01	7.16E-01	5.08E-02	6.14E+01
2834	490319.73	3859205.34	3.31185	5.40595	6.2844	0.8748	2.52E-01	5.77E+01	6.95E-01	5.00E-02	5.87E+01	2.45E-01	2.44E-04	6.95E-02	9.79E-03	3.25E-01	2.75E-01	5.77E+01	6.95E-01	5.00E-02	5.87E+01
2835	490069.73	3859255.34	4.27217	6.48296	6.5309	0.93413	3.26E-01	6.92E+01	7.22E-01	5.34E-02	7.03E+01	3.16E-01	2.92E-04	7.22E-02	1.05E-02	3.99E-01	3.55E-01	6.92E+01	7.22E-01	5.34E-02	7.03E+01
2836	490119.73	3859255.34	4.09209	6.3845	6.6352	0.92551	3.12E-01	6.81E+01	7.34E-01	5.29E-02	6.92E+01	3.03E-01	2.88E-04	7.34E-02	1.04E-02	3.87E-01	3.40E-01	6.81E+01	7.34E-01	5.29E-02	6.93E+01
2837	490169.73	3859255.34	3.89992	6.2268	6.6817	0.91616	2.97E-01	6.65E+01	7.39E-01	5.24E-02	6.75E+01	2.89E-01	2.81E-04	7.39E-02	1.03E-02	3.73E-01	3.24E-01	6.65E+01	7.39E-01	5.24E-02	6.76E+01
2838	490219.73	3859255.34	3.70131	5.96156	6.6619	0.90596	2.82E-01	6.36E+01	7.37E-01	5.18E-02	6.47E+01	2.74E-01	2.69E-04	7.37E-02	1.01E-02	3.58E-01	3.07E-01	6.36E+01	7.37E-01	5.18E-02	6.47E+01
2839	490269.73	3859255.34	3.49045	5.65155	6.5908	0.89493	2.66E-01	6.03E+01	7.29E-01	5.12E-02	6.14E+01	2.58E-01	2.55E-04	7.29E-02	1.00E-02	3.42E-01	2.90E-01	6.03E+01	7.29E-01	5.12E-02	6.14E+01
2840	490319.73	3859255.34	3.30714	5.40482	6.4758	0.88371	2.52E-01	5.77E+01	7.16E-01	5.05E-02	5.87E+01	2.45E-01	2.44E-04	7.16E-02	9.89E-03	3.27E-01	2.75E-01	5.77E+01	7.16E-01	5.05E-02	5.87E+01
2841	490069.73	3859305.34	4.37038	6.31985	6.1448	0.93324	3.33E-01	6.74E+01	6.79E-01	5.34E-02	6.85E+01	3.24E-01	2.85E-04	6.79E-02	1.04E-02	4.02E-01	3.63E-01	6.74E+01	6.79E-01	5.34E-02	6.85E+01
2842	490119.73	3859305.34	4.22699	6.24605	6.3303	0.92666	3.22E-01	6.67E+01	7.00E-01	5.30E-02	6.77E+01	3.13E-01	2.82E-04	7.00E-02	1.04E-02	3.94E-01	3.51E-01	6.67E+01	7.00E-01	5.30E-02	6.78E+01
2843	490169.73	3859305.34	4.06866	6.11083	6.4689	0.91926	3.10E-01	6.52E+01	7.15E-01	5.26E-02	6.63E+01	3.01E-01	2.75E-04	7.15E-02	1.03E-02	3.83E-01	3.38E-01	6.52E+01	7.15E-01	5.26E-02	6.63E+01
2844	490219.73	3859305.34	3.89829	5.90535	6.5438	0.91108	2.97E-01	6.30E+01	7.23E-01	5.21E-02	6.41E+01	2.89E-01	2.66E-04	7.23E-02	1.02E-02	3.71E-01	3.24E-01	6.30E+01	7.23E-01	5.21E-02	6.41E+01
2845	490269.73	3859305.34	3.71102	5.68046	6.5597	0.90245	2.83E-01	6.06E+01	7.25E-01	5.16E-02	6.17E+01	2.75E-01	2.56E-04	7.25E-02	1.01E-02	3.58E-01	3.08E-01	6.06E+01	7.25E-01	5.16E-02	6.17E+01
2846	490319.73	3859305.34	3.51318	5.37922	6.5242	0.89269	2.68E-01	5.74E+01	7.21E-01	5.10E-02	5.84E+01	2.60E-01	2.42E-04	7.21E-02	9.99E-03	3.42E-01	2.92E-01	5.74E+01	7.21E-01	5.10E-02	5.85E+01
2847	490069.73	3859355.34	4.39854	6.22475	5.6428	0.93437	3.35E-01	6.64E+01	6.24E-01	5.34E-02	6.74E+01	3.26E-01	2.81E-04	6.24E-02	1.05E-02	3.99E-01	3.65E-01	6.64E+01	6.24E-01	5.34E-02	6.75E+01
2848	490119.73	3859355.34	4.29694	6.15676	5.8946	0.92973	3.28E-01	6.57E+01	6.52E-01	5.32E-02	6.67E+01	3.18E-01	2.78E-04	6.52E-02	1.04E-02	3.94E-01	3.57E-01	6.57E+01	6.52E-01	5.32E-02	6.68E+01
2849	490169.73	3859355.34	4.17811	6.03457	6.1145	0.92418	3.18E-01	6.44E+01	6.76E-01	5.28E-02	6.54E+01	3.09E-01	2.72E-04	6.76E-02	1.03E-02	3.88E-01	3.47E-01	6.44E+01	6.76E-01	5.28E-02	6.55E+01
2850	490219.73	3859355.34	4.04418	5.8523	6.2889	0.91779	3.08E-01	6.25E+01	6.95E-01	5.25E-02	6.35E+01	2.99E-01	2.64E-04	6.95E-02	1.03E-02	3.79E-01	3.36E-01	6.25E+01	6.95E-01	5.25E-02	6.35E+01
2851	490269.73	3859355.34	3.88552	5.68218	6.3907	0.91108	2.96E-01	6.06E+01	7.07E-01	5.21E-02	6.17E+01	2.88E-01	2.56E-04	7.07E-02	1.02E-02	3.69E-01	3.23E-01	6.06E+01	7.07E-01	5.21E-02	6.17E+01
2852	490319.73	3859355.34	3.71302	5.44946	6.4367	0.90366	2.83E-01	5.82E+01	7.12E-01	5.17E-02	5.92E+01	2.75E-01	2.46E-04	7.12E-02	1.01E-02	3.56E-01	3.08E-01	5.82E+01	7.12E-01	5.17E-02	5.92E+01
2853	490069.73	3859405.34	4.36716	6.12206	5.4696	0.93958	3.33E-01	6.53E+01	6.05E-01	5.37E-02	6.63E+01	3.23E-01	2.76E-04	6.05E-02	1.05E-02	3.95E-01	3.63E-01	6.53E+01	6.05E-01	5.37E-02	6.64E+01
2854	490119.73	3859405.34	4.31107	6.03865	5.382	0.93632	3.29E-01	6.44E+01	5.95E-01	5.35E-02	6.54E+01	3.19E-01	2.72E-04	5.95E-02	1.05E-02	3.89E-01	3.58E-01	6.44E+01	5.95E-01	5.35E-02	6.54E+01
2855	490169.73	3859405.34	4.23426	5.91467	5.6615	0.93214	3.23E-01	6.31E+01	6.26E-01	5.33E-02	6.41E+01	3.13E-01	2.67E-04	6.26E-02	1.04E-02	3.87E-01	3.52E-01	6.31E+01	6.26E-01	5.33E-02	6.42E+01
2856	490219.73	3859405.34	4.13272	5.78082	5.902	0.92744	3.15E-01	6.17E+01	6.53E-01	5.30E-02	6.27E+01	3.06E-01	2.61E-04	6.53E-02	1.04E-02	3.82E-01	3.43E-01	6.17E+01	6.53E-01	5.30E-02	6.27E+01
2857	490269.73	3859405.34	4.01224	5.60785	6.0963	0.92203	3.06E-01	5.98E+01	6.74E-01	5.27E-02	6.09E+01	2.97E-01	2.53E-04	6.74E-02	1.03E-02	3.75E-01	3.33E-01	5.98E+01	6.74E-01	5.27E-02	6.09E+01
2858	490319.73	3859405.34	3.8695	5.41901	6.2212	0.91614	2.95E-01	5.78E+01	6.88E-01	5.24E-02	5.89E+01	2.86E-01	2.44E-04	6.88E-02	1.03E-02	3.66E-01	3.21E-01	5.78E+01	6.88E-01	5.24E-02	5.89E+01
2859	490161.89	3859541.83	4.10673	5.85823	5.3442	0.97062	3.13E-01	6.25E+01	5.91E-01	5.55E-02	6.35E+01	3.04E-01	2.64E-04	5.91E-02	1.09E-02	3.74E-01	3.41E-01	6.25E+01	5.91E-01	5.55E-02	6.35E+01
2860	490171.89	3859541.83	4.10988	5.83361	5.3295	0.96994	3.13E-01	6.23E+01	5.89E-01	5.55E-02	6.32E+01	3.04E-01	2.63E-04	5.89E-02	1.09E-02	3.74E-01	3.41E-01	6.23E+01	5.89E-01	5.55E-02	6.32E+01
2861	490161.89	3859551.83	4.08385	5.87005	5.3415	0.9734	3.11E-01	6.26E+01	5.91E-01	5.57E-02	6.36E+01	3.02E-01	2.65E-04	5.91E-02	1.09E-02	3.73E-01	3.39E-01	6.26E+01	5.91E-01	5.57E-02	6.36E+01
2862	490171.89	3859551.83	4.08774	5.84696	5.3278	0.97268	3.12E-01	6.24E+01	5.89E-01	5.56E-02	6.34E+01	3.03E-01	2.64E-04	5.89E-02	1.09E-02	3.73E-01	3.39E-01	6.24E+01	5.89E-01	5.56E-02	6.34E+01
2863	489799.72	3859348.21	4.42329	7.08537	5.9624	0.9557	3.37E-01	7.56E+01	6.59E-01	5.47E-02	7.67E+01	3.27E-01	3.19E-04	6.59E-02	1.07E-02	4.04E-01	3.67E-01	7.56E+01	6.59E-01	5.47E-02	7.67E+01

2864	489819.72	3859348.21	4.45373	6.99191	5.9537	0.95435	3.39E-01	7.46E+01	6.58E-01	5.46E-02	7.57E+01	3.30E-01	3.15E-04	6.58E-02	1.07E-02	4.07E-01	3.70E-01	7.46E+01	6.58E-01	5.46E-02	7.57E+01
2865	489799.72	3859368.21	4.3318	7.12723	5.9059	0.95283	3.30E-01	7.61E+01	6.53E-01	5.45E-02	7.71E+01	3.21E-01	3.21E-04	6.53E-02	1.07E-02	3.97E-01	3.60E-01	7.61E+01	6.53E-01	5.45E-02	7.71E+01
2866	489819.72	3859368.21	4.37159	7.01962	5.9102	0.95163	3.33E-01	7.49E+01	6.53E-01	5.44E-02	7.60E+01	3.24E-01	3.16E-04	6.53E-02	1.07E-02	4.00E-01	3.63E-01	7.49E+01	6.53E-01	5.44E-02	7.60E+01
2867	489775.41	3859329.72	4.45871	7.17899	6.0081	0.96124	3.40E-01	7.66E+01	6.64E-01	5.50E-02	7.77E+01	3.30E-01	3.24E-04	6.64E-02	1.08E-02	4.08E-01	3.70E-01	7.66E+01	6.64E-01	5.50E-02	7.77E+01
2868	489795.41	3859329.72	4.4906	7.08046	6.0005	0.95959	3.42E-01	7.56E+01	6.63E-01	5.49E-02	7.66E+01	3.32E-01	3.19E-04	6.63E-02	1.07E-02	4.10E-01	3.73E-01	7.56E+01	6.63E-01	5.49E-02	7.67E+01
2869	489775.41	3859349.72	4.36883	7.21837	5.9548	0.9572	3.33E-01	7.70E+01	6.58E-01	5.47E-02	7.81E+01	3.23E-01	3.25E-04	6.58E-02	1.07E-02	4.00E-01	3.63E-01	7.70E+01	6.58E-01	5.47E-02	7.81E+01
2870	489795.41	3859349.72	4.40946	7.10911	5.9594	0.95574	3.36E-01	7.59E+01	6.59E-01	5.47E-02	7.69E+01	3.26E-01	3.20E-04	6.59E-02	1.07E-02	4.03E-01	3.66E-01	7.59E+01	6.59E-01	5.47E-02	7.69E+01
2871	489595.05	3859219.43	4.69973	8.41363	6.3029	1.0019	3.58E-01	8.98E+01	6.97E-01	5.73E-02	9.09E+01	3.48E-01	3.79E-04	6.97E-02	1.12E-02	4.29E-01	3.90E-01	8.98E+01	6.97E-01	5.73E-02	9.09E+01
2872	489615.05	3859219.43	4.66549	8.28118	6.3165	1.00008	3.56E-01	8.84E+01	6.98E-01	5.72E-02	8.95E+01	3.45E-01	3.73E-04	6.98E-02	1.12E-02	4.27E-01	3.87E-01	8.84E+01	6.98E-01	5.72E-02	8.95E+01
2873	489595.05	3859239.43	4.69757	8.32942	6.2189	0.9993	3.58E-01	8.89E+01	6.88E-01	5.71E-02	9.00E+01	3.48E-01	3.75E-04	6.88E-02	1.12E-02	4.28E-01	3.90E-01	8.89E+01	6.88E-01	5.71E-02	9.00E+01
2874	489615.05	3859239.43	4.66125	8.19491	6.2449	0.9973	3.55E-01	8.75E+01	6.90E-01	5.70E-02	8.86E+01	3.45E-01	3.69E-04	6.90E-02	1.12E-02	4.26E-01	3.87E-01	8.75E+01	6.90E-01	5.70E-02	8.86E+01
2875	489372.4	3859092.58	5.18688	10.2538	6.5583	0.99574	3.95E-01	1.09E+02	7.25E-01	5.69E-02	1.11E+02	3.84E-01	4.62E-04	7.25E-02	1.11E-02	4.68E-01	4.31E-01	1.09E+02	7.25E-01	5.69E-02	1.11E+02
2876	489422.4	3859092.58	5.07444	9.93305	6.6611	0.99988	3.87E-01	1.06E+02	7.36E-01	5.72E-02	1.07E+02	3.76E-01	4.48E-04	7.36E-02	1.12E-02	4.61E-01	4.21E-01	1.06E+02	7.36E-01	5.72E-02	1.07E+02
2877	489372.4	3859142.58	5.16041	10.1617	6.1973	1.00156	3.93E-01	1.08E+02	6.85E-01	5.73E-02	1.10E+02	3.82E-01	4.58E-04	6.85E-02	1.12E-02	4.62E-01	4.28E-01	1.08E+02	6.85E-01	5.73E-02	1.10E+02
2878	489422.4	3859142.58	5.06441	9.84379	6.3809	1.00497	3.86E-01	1.05E+02	7.05E-01	5.75E-02	1.06E+02	3.75E-01	4.44E-04	7.05E-02	1.12E-02	4.57E-01	4.20E-01	1.05E+02	7.05E-01	5.75E-02	1.06E+02
2879	488870.84	3858666.64	6.63556	7.01928	7.5592	1.35602	5.06E-01	7.49E+01	8.36E-01	7.75E-02	7.63E+01	4.91E-01	3.16E-04	8.36E-02	1.52E-02	5.90E-01	5.51E-01	7.49E+01	8.36E-01	7.75E-02	7.64E+01
2880	488900.84	3858666.64	6.51476	6.97139	7.6984	1.38947	4.97E-01	7.44E+01	8.51E-01	7.95E-02	7.58E+01	4.82E-01	3.14E-04	8.51E-02	1.56E-02	5.83E-01	5.41E-01	7.44E+01	8.51E-01	7.95E-02	7.59E+01
2881	488870.84	3858696.64	6.63787	7.46251	7.3118	1.36183	5.06E-01	7.96E+01	8.08E-01	7.79E-02	8.10E+01	4.91E-01	3.36E-04	8.08E-02	1.52E-02	5.88E-01	5.51E-01	7.96E+01	8.08E-01	7.79E-02	8.11E+01
2882	488900.84	3858696.64	6.53214	7.4	7.5201	1.41073	4.98E-01	7.90E+01	8.31E-01	8.07E-02	8.04E+01	4.84E-01	3.34E-04	8.31E-02	1.58E-02	5.83E-01	5.42E-01	7.90E+01	8.31E-01	8.07E-02	8.04E+01
2883	488889.67	3858683.97	6.57175	7.22275	7.5492	1.38371	5.01E-01	7.71E+01	8.35E-01	7.91E-02	7.85E+01	4.87E-01	3.26E-04	8.35E-02	1.55E-02	5.86E-01	5.46E-01	7.71E+01	8.35E-01	7.91E-02	7.85E+01
2884	488919.67	3858683.97	6.4514	7.18106	7.6827	1.43207	4.92E-01	7.66E+01	8.49E-01	8.19E-02	7.81E+01	4.78E-01	3.24E-04	8.49E-02	1.60E-02	5.79E-01	5.36E-01	7.66E+01	8.49E-01	8.19E-02	7.81E+01
2885	488889.67	3858713.97	6.57206	7.70749	7.2964	1.40532	5.01E-01	8.23E+01	8.07E-01	8.04E-02	8.36E+01	4.87E-01	3.47E-04	8.07E-02	1.57E-02	5.83E-01	5.46E-01	8.23E+01	8.07E-01	8.04E-02	8.37E+01
2886	488919.67	3858713.97	6.46872	7.63869	7.499	1.4622	4.93E-01	8.15E+01	8.29E-01	8.36E-02	8.29E+01	4.79E-01	3.44E-04	8.29E-02	1.64E-02	5.79E-01	5.37E-01	8.15E+01	8.29E-01	8.36E-02	8.30E+01
2887	488906.61	3858703.33	6.51215	7.49729	7.503	1.42697	4.96E-01	8.00E+01	8.30E-01	8.16E-02	8.14E+01	4.82E-01	3.38E-04	8.30E-02	1.60E-02	5.81E-01	5.41E-01	8.00E+01	8.30E-01	8.16E-02	8.15E+01
2888	488936.61	3858703.33	6.40261	7.42127	7.6486	1.48043	4.88E-01	7.92E+01	8.46E-01	8.47E-02	8.06E+01	4.74E-01	3.35E-04	8.46E-02	1.66E-02	5.75E-01	5.32E-01	7.92E+01	8.46E-01	8.47E-02	8.07E+01
2889	488906.61	3858733.33	6.51976	7.9802	7.2473	1.46185	4.97E-01	8.52E+01	8.01E-01	8.36E-02	8.65E+01	4.83E-01	3.60E-04	8.01E-02	1.64E-02	5.80E-01	5.41E-01	8.52E+01	8.01E-01	8.36E-02	8.66E+01
2890	488936.61	3858733.33	6.41763	7.91594	7.4502	1.51151	4.89E-01	8.45E+01	8.24E-01	8.64E-02	8.59E+01	4.75E-01	3.57E-04	8.24E-02	1.69E-02	5.75E-01	5.33E-01	8.45E+01	8.24E-01	8.64E-02	8.59E+01
2891	488637.63	3858467.85	7.53531	5.67391	13.362	1.17975	5.74E-01	6.06E+01	1.48E+00	6.75E-02	6.27E+01	5.58E-01	2.56E-04	1.48E-01	1.32E-02	7.19E-01	6.26E-01	6.06E+01	1.48E+00	6.75E-02	6.27E+01
2892	488662.63	3858467.85	7.38835	5.61709	13.435	1.21814	5.63E-01	5.99E+01	1.49E+00	6.97E-02	6.21E+01	5.47E-01	2.53E-04	1.49E-01	1.36E-02	7.09E-01	6.13E-01	5.99E+01	1.49E+00	6.97E-02	6.21E+01
2893	488637.63	3858492.85	7.55558	5.76551	12.192	1.19828	5.76E-01	6.15E+01	1.35E+00	6.85E-02	6.35E+01	5.59E-01	2.60E-04	1.35E-01	1.34E-02	7.08E-01	6.27E-01	6.15E+01	1.35E+00	6.85E-02	6.36E+01
2894	488662.63	3858492.85	7.42582	5.70115	12.149	1.23463	5.66E-01	6.08E+01	1.34E+00	7.06E-02	6.28E+01	5.50E-01	2.57E-04	1.34E-01	1.38E-02	6.98E-01	6.16E-01	6.08E+01	1.34E+00	7.06E-02	6.29E+01
2895	488687.63	3858492.85	7.29635	5.6301	12.297	1.25993	5.56E-01	6.01E+01	1.36E+00	7.20E-02	6.21E+01	5.40E-01	2.54E-04	1.36E-01	1.41E-02	6.90E-01	6.06E-01	6.01E+01	1.36E+00	7.20E-02	6.21E+01
2896	488637.63	3858517.85	7.54972	5.86144	11.791	1.21682	5.75E-01	6.26E+01	1.30E+00	6.96E-02	6.45E+01	5.59E-01	2.64E-04	1.30E-01	1.36E-02	7.03E-01	6.27E-01	6.26E+01	1.30E+00	6.96E-02	6.46E+01
2897	488662.63	3858517.85	7.43958	5.79226	11.221	1.25088	5.67E-01	6.18E+01	1.24E+00	7.15E-02	6.37E+01	5.51E-01	2.61E-04	1.24E-01	1.40E-02	6.89E-01	6.18E-01	6.18E+01	1.24E+00	7.15E-02	6.37E+01
2898	488687.63	3858517.85	7.31846	5.73325	11.08	1.27364	5.58E-01	6.12E+01	1.23E+00	7.28E-02	6.30E+01	5.42E-01	2.58E-04	1.23E-01	1.43E-02	6.79E-01	6.08E-01	6.12E+01	1.23E+00	7.28E-02	6.31E+01
2899	488194.42	3857168.98	10.6508	2.73049	5.7224	0.71548	8.12E-01	2.91E+01	6.33E-01	4.09E-02	3.06E+01	7.89E-01	1.23E-04	6.33E-02	8.01E-03	8.60E-01	8.84E-01	2.91E+01	6.33E-01	4.09E-02	3.07E+01
2900	488244.42	3857168.98	10.3168	2.79366	7.2003	0.70154	7.86E-01	2.98E+01	7.96E-01	4.01E-02	3.14E+01	7.64E-01	1.26E-04	7.96E-02	7.85E-03	8.51E-01	8.57E-01	2.98E+01	7.96E-01	4.01E-02	3.15E+01
2901	488294.42	3857168.98	10.0287	2.80559	8.3361	0.69757	7.64E-01	2.99E+01	9.22E-01	3.99E-02	3.17E+01	7.42E-01	1.26E-04	9.22E-02	7.81E-03	8.43E-01	8.33E-01	2.99E+01	9.22E-01	3.99E-02	3.17E+01
2902	488244.42	3857218.98	10.0326	2.80109	7.2998	0.70039	7.65E-01	2.99E+01	8.07E-01	4.01E-02	3.15E+01	7.43E-01	1.26E-04	8.07E-02	7.84E-03	8.31E-01	8.33E-01	2.99E+01	8.07E-01	4.01E-02	3.16E+01
2903	488294.42	3857218.98	9.77769	2.8264	8.3207	0.71501	7.45E-01	3.02E+01	9.20E-01	4.09E-02	3.19E+01	7.24E-01	1.27E-04	9.20E-02	8.00E-03	8.24E-01	8.12E-01	3.02E+01	9.20E-01	4.09E-02	3.19E+01
2904	488294.42	3857268.98	9.80415	2.85598	8.1986	0.77607	7.47E-01	3.05E+01	9.06E-01	4.44E-02	3.22E+01	7.26E-01	1.29E-04	9.06E-02	8.69E-03	8.25E-01	8.14E-01	3.05E+01	9.06E-01	4.44E-02	3.22E+01
2905	488139.13	3857111.68	11.4908	2.65319	5.5706	0.71063	8.76E-01	2.83E+01	6.16E-01	4.06E-02	2.98E+01	8.51E-01	1.20E-04	6.16E-02	7.96E-03	9.20E-01	9.54E-01	2.83E+01	6.16E-01	4.06E-02	2.99E+01
2906	488189.13	3857111.68	11.106	2.74356	5.6991	0.70132	8.47E-01	2.93E+01	6.30E-01	4.01E-02	3.08E+01	8.22E-01	1.24E-04	6.30E-02	7.85E-03	8.93E-01	9.22E-01	2.93E+01	6.30E-01	4.01E-02	3.09E+01
2907	488189.13	3857161.68	10.7132	2.72649	5.7323	0.71291	8.17E-01	2.91E+01	6.34E-01	4.08E-02	3.06E+01	7.93E-01	1.23E-04	6.34E-02	7.98E-03	8.65E-01	8.89E-01	2.91E+01	6.34E-01	4.08E-02	3.07E+01
2908	487951.04	3856961.26	14.4649	2.38026	7.3713	1.04878	1.10E+00	2.54E+01	8.15E-01	6.00E-02	2.74E+01	1.07E+00	1.07E-04	8.15E-02	1.17E-02	1.16E+00	1.20E+00	2.54E+01	8.15E-01	6.00E-02	2.75E+01
2909	488001.04	3856961.26	13.9687	2.4231	6.3861	1.0067	1.06E+00	2.59E+01	7.06E-01	5.76E-02	2.77E+01	1.03E+00	1.09E-04	7.06E-02	1.13E-02	1.12E+00	1.16E+00	2.59E+01	7.06E-01	5.76E-02	2.78E+01
2910	488051.04	3856961.26	13.5493	2.42635	4.9118	0.97632	1.03E+00	2.59E+01	5.43E-01	5.58E-02	2.75E+01	1.00E+00	1.09E-04	5.43E-02	1.09E-02	1.07E+00	1.12E+00	2.59E+01	5.43E-01	5.58E-02	2.76E+01
2911	488101.04	3856961.26	13.0471	2.52983	5.0243	0.9165	9.94E-01	2.70E+01	5.55E-01	5.24E-02	2.86E+01	9.66E-01	1.14E-04	5.55E-02	1.03E-02	1.03E+00	1.08E+00	2.70E+01	5.55E-01	5.24E-02	2.87E+01
2912	487951.04	3857011.26	14.1761	2.46915	7.7017	0.95685	1.08E+00	2.64E+01	8.52E-01	5.47E-02	2.83E+01	1.05E+00	1.11E-04	8.52E-02	1.07E-02	1.15E+00	1.18E+00	2.64E+01	8.52E-01	5.47E-02	2.84E+01
2913	488001.04	3857011.26	13.739	2.46388	6.533	0.93449	1.05E+00	2.63E+01	7.22E-01	5.34E-02	2.81E+01	1.02E+00	1.11E-04	7.22E-02	1.05E-02	1.10E+00	1.14E+00	2.63E+01	7.22E-01	5.34E-02	2.82E+01
2914	488051.04	3857011.26	13.3192	2.47175	5.1006	0.90849	1.02E+00	2.64E+01	5.64E-01	5.20E-02	2.80E+01	9.86E-01	1.11E-04	5.64E-02	1.02E-02	1.05E+00	1.11E+00	2.64E+01	5.64E-01	5.20E-02	2.81E+01
2915	488101.04	3857011.26	12.8227	2.57489	5.0995	0.85724	9.77E-01	2.75E+01	5.64E-01	4.90E-02	2.91E+01	9.49E-01	1.16E-04	5.64E-02	9.60E-03	1.02E+00	1.06E+00	2.75E+01	5.64E-01	4.90E-02	2.92E+01
2916	488001.04	3857061.26	13.2604	2.51552	6.6809	0.83598	1.01E+00	2.68E+01	7.39E-01	4.78E-02	2.86E+01	9.82E-01	1.13E-04	7.39E-02	9.36E-03	1.07E+00	1.10E+00	2.68E+01	7.39E-01	4.78E-02	2.87E+01
2917	488051.04	3857061.26	12.8275	2.55812	5.292	0.80812	9.78E-01	2.73E+01	5.85E-01	4.62E-02	2.89E+01	9.50E-01	1.15E-04	5.85E-02	9.05E-03	1.02E+00	1.06E+00	2.73E+01	5.85E-01	4.62E-02	2.90E+01
2918	488101.04	3857061.26	12.4015	2.62001	5.1707	0.77534	9.45E-01	2.80E+01	5.72E-01	4.43E-02	2.95E+01	9.18E-01	1.18E-04	5.72E-02	8.68E-03	9.84E-01	1.03E+00	2.80E+01	5.72E-01	4.43E-02	2.96E+01
2919	487638.98	3856673.79	19.6033	2.02939	9.2084	1.55758	1.49E+00	2.17E+01	1.02E+00	8.91E-02	2.43E+01	1.45E+00	9.15E-05	1.02E-01	1.74E-02	1.57E+00	1.63E+00	2.17E+01	1.02E+00	8.91E-02	2.44E+01
2920	487688.98	3856673.79	19.0902	2.05151	9.101	1.49787	1.46E+00	2.19E+01	1.01E+00	8.57E-02	2.44E+01	1.41E+00	9.25E-05	1.01E-01	1.68E-02	1.53E+00	1.58E+00	2.19E+01	1.01E+00	8.57E-02	2.46E+01
2921	487638.98	3856723.79	20.2055	2.08541	9.3935	1.52443	1.54E+00	2.23E+01	1.04E+00	8.72E-02	2.49E+01	1.50E+00	9.40E-05	1.04E-01	1.71E-02	1.62E+00	1.68E+00	2.23E+01	1.04E+00	8.72E-02	2.51E+01
2922	487688.98	3856723.79	19.5733	2.09995	9.3549	1.47146	1.49E+00	2.24E+01	1.03E+00	8.41E-02	2.50E+01	1.45E+00	9.47E-05	1.03E-01	1.65E-02	1.57E+00	1.62E+00	2.24E+01	1.03E+00	8.41E-02	2.52E+01
2923	486324.61	3855740.57	14.9955	0.73937	6.0676	2.56614	1.14E+00	7.89E+00	6.71E-01	1.47E-01	9.85E+00	1.11E+00	3.33E-05	6.71E-02	2.87E-02	1.21E+00	1.24E+00	7.89E+00	6.71E-01	1.47E-01	9.95E+00
2924	486374.61	3855740.57	13.3246	0.71346	5.4609	2.55159	1.02E+00	7.61E+00	6.04E-01	1.46E-01	9.38E+00	9.86E-01	3.22E-05	6.04E-02	2.86E-02	1.08E+00	1.11E+00	7.61E+00	6.04E-01	1.46E-01	9.47E+00

2925	486424.61	3855740.57	12.7541	0.70648	4.1756	2.57053	9.72E-01	7.54E+00	4.62E-01	1.47E-01	9.12E+00	9.44E-01	3.18E-05	4.62E-02	2.88E-02	1.02E+00	1.06E+00	7.54E+00	4.62E-01	1.47E-01	9.21E+00
2926	486324.61	3855790.57	15.5527	0.76319	6.7998	2.72102	1.19E+00	8.14E+00	7.52E-01	1.56E-01	1.02E+01	1.15E+00	3.44E-05	7.52E-02	3.05E-02	1.26E+00	1.29E+00	8.14E+00	7.52E-01	1.56E-01	1.03E+01
2927	486374.61	3855790.57	14.0006	0.74037	6.3889	2.76449	1.07E+00	7.90E+00	7.06E-01	1.58E-01	9.83E+00	1.04E+00	3.34E-05	7.06E-02	3.09E-02	1.14E+00	1.16E+00	7.90E+00	7.06E-01	1.58E-01	9.93E+00
2928	486424.61	3855790.57	13.8055	0.74082	5.0161	2.736	1.05E+00	7.91E+00	5.55E-01	1.56E-01	9.67E+00	1.02E+00	3.34E-05	5.55E-02	3.06E-02	1.11E+00	1.15E+00	7.91E+00	5.55E-01	1.56E-01	9.76E+00
2929	486324.61	3855840.57	16.0538	0.7915	7.3506	2.78404	1.22E+00	8.45E+00	8.13E-01	1.59E-01	1.06E+01	1.19E+00	3.57E-05	8.13E-02	3.12E-02	1.30E+00	1.33E+00	8.45E+00	8.13E-01	1.59E-01	1.08E+01
2930	486374.61	3855840.57	15.6322	0.7895	6.678	2.73284	1.19E+00	8.43E+00	7.38E-01	1.56E-01	1.05E+01	1.16E+00	3.56E-05	7.38E-02	3.06E-02	1.26E+00	1.30E+00	8.43E+00	7.38E-01	1.56E-01	1.06E+01
2931	486424.61	3855840.57	14.915	0.78163	5.7689	2.6953	1.14E+00	8.34E+00	6.38E-01	1.54E-01	1.03E+01	1.10E+00	3.52E-05	6.38E-02	3.02E-02	1.20E+00	1.24E+00	8.34E+00	6.38E-01	1.54E-01	1.04E+01
2932	486324.61	3855890.57	17.8294	0.84729	6.9366	2.59374	1.36E+00	9.04E+00	7.67E-01	1.48E-01	1.13E+01	1.32E+00	3.82E-05	7.67E-02	2.90E-02	1.43E+00	1.48E+00	9.04E+00	7.67E-01	1.48E-01	1.14E+01
2933	486374.61	3855890.57	17.1235	0.84149	6.781	2.53064	1.31E+00	8.98E+00	7.50E-01	1.45E-01	1.12E+01	1.27E+00	3.79E-05	7.50E-02	2.83E-02	1.37E+00	1.42E+00	8.98E+00	7.50E-01	1.45E-01	1.13E+01
2934	486424.61	3855890.57	16.1769	0.83033	6.2981	2.48042	1.23E+00	8.86E+00	6.96E-01	1.42E-01	1.09E+01	1.20E+00	3.74E-05	6.96E-02	2.78E-02	1.30E+00	1.34E+00	8.86E+00	6.96E-01	1.42E-01	1.10E+01
2935	488735.69	3858285.64	7.12092	4.69535	19.861	1.18776	5.43E-01	5.01E+01	2.20E+00	6.79E-02	5.29E+01	5.27E-01	2.12E-04	2.20E-01	1.33E-02	7.60E-01	5.91E-01	5.01E+01	2.20E+00	6.79E-02	5.30E+01
2936	488765.69	3858285.64	6.85285	4.64462	19.364	1.20523	5.22E-01	4.96E+01	2.14E+00	6.89E-02	5.23E+01	5.07E-01	2.09E-04	2.14E-01	1.35E-02	7.35E-01	5.69E-01	4.96E+01	2.14E+00	6.89E-02	5.23E+01
2937	488735.69	3858315.64	7.30926	4.82314	19.765	1.20295	5.57E-01	5.15E+01	2.19E+00	6.88E-02	5.43E+01	5.41E-01	2.17E-04	2.19E-01	1.35E-02	7.73E-01	6.07E-01	5.15E+01	2.19E+00	6.88E-02	5.43E+01
2938	488765.69	3858315.64	7.08333	4.76564	18.961	1.21709	5.40E-01	5.09E+01	2.10E+00	6.96E-02	5.36E+01	5.24E-01	2.15E-04	2.10E-01	1.36E-02	7.48E-01	5.88E-01	5.09E+01	2.10E+00	6.96E-02	5.36E+01
2939	478676.63	3849871.93	2.49968	1.08007	1.7161	0.91423	1.91E-01	1.15E+01	1.90E-01	5.23E-02	1.20E+01	1.85E-01	4.87E-05	1.90E-02	1.02E-02	2.14E-01	2.08E-01	1.15E+01	1.90E-01	5.23E-02	1.20E+01
2940	479326.63	3849871.93	2.86492	0.56296	1.4061	1.24347	2.18E-01	6.01E+00	1.55E-01	7.11E-02	6.45E+00	2.12E-01	2.54E-05	1.55E-02	1.39E-02	2.42E-01	2.38E-01	6.01E+00	1.55E-01	7.11E-02	6.47E+00
2941	479376.63	3849871.93	2.79395	0.56818	1.3751	1.23071	2.13E-01	6.06E+00	1.52E-01	7.04E-02	6.50E+00	2.07E-01	2.56E-05	1.52E-02	1.38E-02	2.36E-01	2.32E-01	6.06E+00	1.52E-01	7.04E-02	6.52E+00
2942	479426.63	3849871.93	2.78836	0.58171	1.3437	1.21492	2.13E-01	6.21E+00	1.49E-01	6.95E-02	6.64E+00	2.06E-01	2.62E-05	1.49E-02	1.36E-02	2.35E-01	2.31E-01	6.21E+00	1.49E-01	6.95E-02	6.66E+00
2943	478726.63	3849921.93	2.5076	1.09371	1.7278	0.89465	1.91E-01	1.17E+01	1.91E-01	5.12E-02	1.21E+01	1.86E-01	4.93E-05	1.91E-02	1.00E-02	2.15E-01	2.08E-01	1.17E+01	1.91E-01	5.12E-02	1.21E+01
2944	478776.63	3849921.93	2.46388	1.05027	1.7119	0.9359	1.88E-01	1.12E+01	1.89E-01	5.35E-02	1.16E+01	1.82E-01	4.73E-05	1.89E-02	1.05E-02	2.12E-01	2.05E-01	1.12E+01	1.89E-01	5.35E-02	1.17E+01
2945	478826.63	3849921.93	2.39765	1.00555	1.6944	0.98248	1.83E-01	1.07E+01	1.87E-01	5.62E-02	1.12E+01	1.78E-01	4.53E-05	1.87E-02	1.10E-02	2.07E-01	1.99E-01	1.07E+01	1.87E-01	5.62E-02	1.12E+01
2946	478976.63	3849921.93	2.65584	0.88344	1.6334	1.10294	2.02E-01	9.43E+00	1.81E-01	6.31E-02	9.87E+00	1.97E-01	3.98E-05	1.81E-02	1.23E-02	2.27E-01	2.20E-01	9.43E+00	1.81E-01	6.31E-02	9.89E+00
2947	479026.63	3849921.93	2.76274	0.85918	1.6107	1.09508	2.11E-01	9.17E+00	1.78E-01	6.26E-02	9.62E+00	2.05E-01	3.87E-05	1.78E-02	1.23E-02	2.35E-01	2.29E-01	9.17E+00	1.78E-01	6.26E-02	9.64E+00
2948	479076.63	3849921.93	2.84482	0.8248	1.5865	1.11173	2.17E-01	8.80E+00	1.75E-01	6.36E-02	9.26E+00	2.11E-01	3.72E-05	1.75E-02	1.24E-02	2.41E-01	2.36E-01	8.80E+00	1.75E-01	6.36E-02	9.28E+00
2949	479126.63	3849921.93	2.88598	0.78709	1.561	1.133	2.20E-01	8.40E+00	1.73E-01	6.48E-02	8.86E+00	2.14E-01	3.55E-05	1.73E-02	1.27E-02	2.44E-01	2.40E-01	8.40E+00	1.73E-01	6.48E-02	8.88E+00
2950	479176.63	3849921.93	2.86429	0.75526	1.5346	1.13193	2.18E-01	8.06E+00	1.70E-01	6.47E-02	8.51E+00	2.12E-01	3.40E-05	1.70E-02	1.27E-02	2.42E-01	2.38E-01	8.06E+00	1.70E-01	6.47E-02	8.53E+00
2951	479226.63	3849921.93	2.81262	0.70169	1.5066	1.17834	2.14E-01	7.49E+00	1.67E-01	6.74E-02	7.94E+00	2.08E-01	3.16E-05	1.67E-02	1.32E-02	2.38E-01	2.34E-01	7.49E+00	1.67E-01	6.74E-02	7.96E+00
2952	479276.63	3849921.93	2.8345	0.63582	1.4772	1.25407	2.16E-01	6.79E+00	1.63E-01	7.17E-02	7.24E+00	2.10E-01	2.87E-05	1.63E-02	1.40E-02	2.40E-01	2.35E-01	6.79E+00	1.63E-01	7.17E-02	7.26E+00
2953	479326.63	3849921.93	2.85975	0.63373	1.4486	1.16979	2.18E-01	6.76E+00	1.60E-01	6.69E-02	7.21E+00	2.12E-01	2.86E-05	1.60E-02	1.31E-02	2.41E-01	2.37E-01	6.76E+00	1.60E-01	6.69E-02	7.23E+00
2954	479376.63	3849921.93	2.88894	0.57888	1.4174	1.22509	2.20E-01	6.18E+00	1.57E-01	7.01E-02	6.62E+00	2.14E-01	2.61E-05	1.57E-02	1.37E-02	2.43E-01	2.40E-01	6.18E+00	1.57E-01	7.01E-02	6.64E+00
2955	479426.63	3849921.93	2.80981	0.60714	1.3868	1.17639	2.14E-01	6.48E+00	1.53E-01	6.73E-02	6.91E+00	2.08E-01	2.74E-05	1.53E-02	1.32E-02	2.37E-01	2.33E-01	6.48E+00	1.53E-01	6.73E-02	6.93E+00
2956	478726.63	3849971.93	2.52854	1.15171	1.7539	0.83526	1.93E-01	1.23E+01	1.94E-01	4.78E-02	1.27E+01	1.87E-01	5.19E-05	1.94E-02	9.35E-03	2.16E-01	2.10E-01	1.23E+01	1.94E-01	4.78E-02	1.27E+01
2957	478776.63	3849971.93	2.51877	1.10475	1.7396	0.8801	1.92E-01	1.18E+01	1.92E-01	5.03E-02	1.22E+01	1.86E-01	4.98E-05	1.92E-02	9.85E-03	2.16E-01	2.09E-01	1.18E+01	1.92E-01	5.03E-02	1.22E+01
2958	478826.63	3849971.93	2.48532	1.05818	1.7237	0.92619	1.89E-01	1.13E+01	1.91E-01	5.30E-02	1.17E+01	1.84E-01	4.77E-05	1.91E-02	1.04E-02	2.13E-01	2.06E-01	1.13E+01	1.91E-01	5.30E-02	1.17E+01
2959	478976.63	3849971.93	2.46968	0.94828	1.6675	1.00291	1.88E-01	1.01E+01	1.84E-01	5.73E-02	1.05E+01	1.83E-01	4.27E-05	1.84E-02	1.12E-02	2.13E-01	2.05E-01	1.01E+01	1.84E-01	5.73E-02	1.06E+01
2960	479026.63	3849971.93	2.63424	0.90713	1.6459	1.04183	2.01E-01	9.68E+00	1.82E-01	5.96E-02	1.01E+01	1.95E-01	4.09E-05	1.82E-02	1.17E-02	2.25E-01	2.19E-01	9.68E+00	1.82E-01	5.96E-02	1.01E+01
2961	479076.63	3849971.93	2.76765	0.8679	1.6228	1.07399	2.11E-01	9.26E+00	1.79E-01	6.14E-02	9.71E+00	2.05E-01	3.91E-05	1.79E-02	1.20E-02	2.35E-01	2.30E-01	9.26E+00	1.79E-01	6.14E-02	9.73E+00
2962	479126.63	3849971.93	2.85301	0.83337	1.5986	1.08916	2.17E-01	8.89E+00	1.77E-01	6.23E-02	9.35E+00	2.11E-01	3.76E-05	1.77E-02	1.22E-02	2.41E-01	2.37E-01	8.89E+00	1.77E-01	6.23E-02	9.37E+00
2963	479176.63	3849971.93	2.88597	0.79764	1.5733	1.0966	2.20E-01	8.51E+00	1.74E-01	6.27E-02	8.97E+00	2.14E-01	3.60E-05	1.74E-02	1.23E-02	2.43E-01	2.40E-01	8.51E+00	1.74E-01	6.27E-02	8.99E+00
2964	479226.63	3849971.93	2.94843	0.71528	1.5455	1.23743	2.25E-01	7.63E+00	1.71E-01	7.08E-02	8.10E+00	2.18E-01	3.22E-05	1.71E-02	1.39E-02	2.49E-01	2.45E-01	7.63E+00	1.71E-01	7.08E-02	8.12E+00
2965	479276.63	3849971.93	2.84143	0.71066	1.5185	1.15864	2.17E-01	7.58E+00	1.68E-01	6.63E-02	8.03E+00	2.10E-01	3.20E-05	1.68E-02	1.30E-02	2.40E-01	2.36E-01	7.58E+00	1.68E-01	6.63E-02	8.05E+00
2966	479326.63	3849971.93	2.77372	0.69439	1.4904	1.09754	2.11E-01	7.41E+00	1.65E-01	6.28E-02	7.85E+00	2.05E-01	3.13E-05	1.65E-02	1.23E-02	2.34E-01	2.30E-01	7.41E+00	1.65E-01	6.28E-02	7.87E+00
2967	479376.63	3849971.93	2.89415	0.6273	1.4598	1.18044	2.21E-01	6.69E+00	1.61E-01	6.75E-02	7.14E+00	2.14E-01	2.83E-05	1.61E-02	1.32E-02	2.44E-01	2.40E-01	6.69E+00	1.61E-01	6.75E-02	7.16E+00
2968	479426.63	3849971.93	2.88649	0.61854	1.4295	1.15559	2.20E-01	6.60E+00	1.58E-01	6.61E-02	7.05E+00	2.14E-01	2.79E-05	1.58E-02	1.29E-02	2.42E-01	2.40E-01	6.60E+00	1.58E-01	6.61E-02	7.06E+00
2969	478726.63	3850021.93	2.51327	1.21129	1.7781	0.77806	1.92E-01	1.29E+01	1.97E-01	4.45E-02	1.34E+01	1.86E-01	5.46E-05	1.97E-02	8.71E-03	2.14E-01	2.09E-01	1.29E+01	1.97E-01	4.45E-02	1.34E+01
2970	478776.63	3850021.93	2.53662	1.16176	1.7656	0.8248	1.93E-01	1.24E+01	1.95E-01	4.72E-02	1.28E+01	1.88E-01	5.24E-05	1.95E-02	9.23E-03	2.17E-01	2.11E-01	1.24E+01	1.95E-01	4.72E-02	1.29E+01
2971	478826.63	3850021.93	2.52916	1.11543	1.7514	0.86591	1.93E-01	1.19E+01	1.94E-01	4.95E-02	1.23E+01	1.87E-01	5.03E-05	1.94E-02	9.69E-03	2.16E-01	2.10E-01	1.19E+01	1.94E-01	4.95E-02	1.24E+01
2972	478976.63	3850021.93	2.33294	0.99698	1.7	0.95208	1.78E-01	1.06E+01	1.88E-01	5.44E-02	1.11E+01	1.73E-01	4.49E-05	1.88E-02	1.07E-02	2.02E-01	1.94E-01	1.06E+01	1.88E-01	5.44E-02	1.11E+01
2973	478726.63	3850071.93	2.4625	1.27312	1.8004	0.72072	1.88E-01	1.36E+01	1.99E-01	4.12E-02	1.40E+01	1.82E-01	5.74E-05	1.99E-02	8.07E-03	2.10E-01	2.04E-01	1.36E+01	1.99E-01	4.12E-02	1.40E+01
2974	478776.63	3850071.93	2.50863	1.22512	1.7897	0.76265	1.91E-01	1.31E+01	1.98E-01	4.36E-02	1.35E+01	1.86E-01	5.52E-05	1.98E-02	8.54E-03	2.14E-01	2.08E-01	1.31E+01	1.98E-01	4.36E-02	1.35E+01
2975	478826.63	3850071.93	2.53317	1.17625	1.7774	0.80513	1.93E-01	1.26E+01	1.97E-01	4.60E-02	1.30E+01	1.88E-01	5.30E-05	1.97E-02	9.01E-03	2.16E-01	2.10E-01	1.26E+01	1.97E-01	4.60E-02	1.30E+01
2976	478876.63	3850071.93	2.52818	1.13037	1.7634	0.84217	1.93E-01	1.21E+01	1.95E-01	4.82E-02	1.25E+01	1.87E-01	5.10E-05	1.95E-02	9.43E-03	2.16E-01	2.10E-01	1.21E+01	1.95E-01	4.82E-02	1.25E+01
2977	478976.63	3850071.93	2.42864	1.05019	1.7309	0.89498	1.85E-01	1.12E+01	1.91E-01	5.12E-02	1.16E+01	1.80E-01	4.73E-05	1.91E-02	1.00E-02	2.09E-01	2.02E-01	1.12E+01	1.91E-01	5.12E-02	1.17E+01
2978	478726.63	3850121.93	2.46194	1.33485	1.8207	0.66627	1.88E-01	1.42E+01	2.01E-01	3.81E-02	1.47E+01	1.82E-01	6.02E-05	2.01E-02	7.46E-03	2.10E-01	2.04E-01	1.42E+01	2.01E-01	3.81E-02	1.47E+01
2979	478776.63	3850121.93	2.44872	1.28959	1.8119	0.70357	1.87E-01	1.38E+01	2.00E-01	4.02E-02	1.42E+01	1.81E-01	5.81E-05	2.00E-02	7.88E-03	2.09E-01	2.03E-01	1.38E+01	2.00E-01	4.02E-02	1.42E+01
2980	478826.63	3850121.93	2.49995	1.23981	1.8014	0.74525	1.91E-01	1.32E+01	1.99E-01	4.26E-02	1.37E+01	1.85E-01	5.59E-05	1.99E-02	8.34E-03	2.13E-01	2.08E-01	1.32E+01	1.99E-01	4.26E-02	1.37E+01
2981	478876.63	3850121.93	2.53063	1.18942	1.7893	0.78764	1.93E-01	1.27E+01	1.98E-01	4.50E-02	1.31E+01	1.87E-01	5.36E-05	1.98E-02	8.82E-03	2.16E-01	2.10E-01	1.27E+01	1.98E-01	4.50E-02	1.31E+01
2982	478976.63	3850121.93	2.48612	1.10572	1.7602	0.83943	1.89E-01	1.18E+01	1.95E-01	4.80E-02	1.22E+01	1.84E-01	4.98E-05	1.95E-02	9.40E-03	2.13E-01	2.06E-01	1.18E+01	1.95E-01	4.80E-02	1.22E+01
2983	479026.63	3850121.93	2.43219	1.06508	1.7433	0.8649	1.85E-01	1.14E+01	1.93E-01	4.95E-02	1.18E+01	1.80E-01	4.80E-05	1.93E-02	9.68E-03	2.09E-01	2.02E-01	1.14E+01	1.93E-01	4.95E-02	1.18E+01
2984	479076.63	3850121.93	2.36396	1.02232	1.7248	0.89852	1.80E-01	1.09E+01	1.91E-01	5.14E-02	1.13E+01	1.75E-01	4.61E-05	1.91E-02	1.01E-02	2.04E-01	1.96E-01	1.09E+01	1.91E-01	5.14E-02	1.13E+01
2985	479126.63	3850121.93	2.45042	0.98245	1.7047	0.9265	1.87E-01	1.05E+01	1.88E-01	5.30E-02	1.09E+01	1.81E-01	4.43E-05	1.88E-02	1.04E-02	2.11E-01	2.03E-01	1.05E+01	1.88E-01	5.30E-02	1.09E+01

2986	478776.63	3850171.93	2.46691	1.3517	1.832	0.65133	1.88E-01	1.44E+01	2.03E-01	3.72E-02	1.49E+01	1.83E-01	6.09E-05	2.03E-02	7.29E-03	2.10E-01	2.05E-01	1.44E+01	2.03E-01	3.72E-02	1.49E+01
2987	478826.63	3850171.93	2.44109	1.3022	1.8234	0.69221	1.86E-01	1.39E+01	2.02E-01	3.96E-02	1.43E+01	1.81E-01	5.87E-05	2.02E-02	7.75E-03	2.09E-01	2.03E-01	1.39E+01	2.02E-01	3.96E-02	1.43E+01
2988	478876.63	3850171.93	2.49598	1.25161	1.8132	0.73264	1.90E-01	1.34E+01	2.00E-01	4.19E-02	1.38E+01	1.85E-01	5.64E-05	2.00E-02	8.20E-03	2.13E-01	2.07E-01	1.34E+01	2.00E-01	4.19E-02	1.38E+01
2989	478976.63	3850171.93	2.50495	1.16419	1.7878	0.78468	1.91E-01	1.24E+01	1.98E-01	4.49E-02	1.29E+01	1.85E-01	5.25E-05	1.98E-02	8.78E-03	2.14E-01	2.08E-01	1.24E+01	1.98E-01	4.49E-02	1.29E+01
2990	479026.63	3850171.93	2.46974	1.12409	1.7727	0.80334	1.88E-01	1.20E+01	1.96E-01	4.59E-02	1.24E+01	1.83E-01	5.07E-05	1.96E-02	8.99E-03	2.11E-01	2.05E-01	1.20E+01	1.96E-01	4.59E-02	1.24E+01
2991	479076.63	3850171.93	2.43504	1.07859	1.7558	0.83782	1.86E-01	1.15E+01	1.94E-01	4.79E-02	1.19E+01	1.80E-01	4.86E-05	1.94E-02	9.38E-03	2.09E-01	2.02E-01	1.15E+01	1.94E-01	4.79E-02	1.20E+01
2992	479126.63	3850171.93	2.3684	1.03761	1.7374	0.86415	1.81E-01	1.11E+01	1.92E-01	4.94E-02	1.15E+01	1.75E-01	4.68E-05	1.92E-02	9.67E-03	2.04E-01	1.97E-01	1.11E+01	1.92E-01	4.94E-02	1.15E+01
2993	479176.63	3850171.93	2.42408	1.00181	1.7175	0.87775	1.85E-01	1.07E+01	1.90E-01	5.02E-02	1.11E+01	1.79E-01	4.52E-05	1.90E-02	9.83E-03	2.08E-01	2.01E-01	1.07E+01	1.90E-01	5.02E-02	1.11E+01
2994	479226.63	3850171.93	2.54019	0.97639	1.6964	0.85975	1.94E-01	1.04E+01	1.88E-01	4.92E-02	1.09E+01	1.88E-01	4.40E-05	1.88E-02	9.62E-03	2.16E-01	2.11E-01	1.04E+01	1.88E-01	4.92E-02	1.09E+01
2995	479276.63	3850171.93	2.60898	0.95185	1.6739	0.83506	1.99E-01	1.02E+01	1.85E-01	4.78E-02	1.06E+01	1.93E-01	4.29E-05	1.85E-02	9.35E-03	2.21E-01	2.17E-01	1.02E+01	1.85E-01	4.78E-02	1.06E+01
2996	479326.63	3850171.93	2.72225	0.90894	1.6495	0.86538	2.07E-01	9.70E+00	1.82E-01	4.95E-02	1.01E+01	2.02E-01	4.10E-05	1.82E-02	9.69E-03	2.30E-01	2.26E-01	9.70E+00	1.82E-01	4.95E-02	1.02E+01
2997	479376.63	3850171.93	2.80497	0.8648	1.6238	0.89747	2.14E-01	9.23E+00	1.80E-01	5.13E-02	9.67E+00	2.08E-01	3.90E-05	1.80E-02	1.00E-02	2.36E-01	2.33E-01	9.23E+00	1.80E-01	5.13E-02	9.69E+00
2998	478676.63	3850221.93	2.4945	1.48012	1.8577	0.53792	1.90E-01	1.58E+01	2.05E-01	3.08E-02	1.62E+01	1.85E-01	6.67E-05	2.05E-02	6.02E-03	2.11E-01	2.07E-01	1.58E+01	2.05E-01	3.08E-02	1.62E+01
2999	478726.63	3850221.93	2.50492	1.45135	1.8547	0.56805	1.91E-01	1.55E+01	2.05E-01	3.25E-02	1.59E+01	1.85E-01	6.54E-05	2.05E-02	6.36E-03	2.12E-01	2.08E-01	1.55E+01	2.05E-01	3.25E-02	1.59E+01
3000	478976.63	3850221.93	2.48095	1.2274	1.8135	0.72746	1.89E-01	1.31E+01	2.01E-01	4.16E-02	1.35E+01	1.84E-01	5.53E-05	2.01E-02	8.14E-03	2.12E-01	2.06E-01	1.31E+01	2.01E-01	4.16E-02	1.35E+01
3001	479026.63	3850221.93	2.47237	1.18448	1.8002	0.74757	1.88E-01	1.26E+01	1.99E-01	4.27E-02	1.31E+01	1.83E-01	5.34E-05	1.99E-02	8.37E-03	2.11E-01	2.05E-01	1.26E+01	1.99E-01	4.27E-02	1.31E+01
3002	479076.63	3850221.93	2.46336	1.13725	1.7852	0.77947	1.88E-01	1.21E+01	1.97E-01	4.46E-02	1.26E+01	1.82E-01	5.13E-05	1.97E-02	8.73E-03	2.11E-01	2.05E-01	1.21E+01	1.97E-01	4.46E-02	1.26E+01
3003	479126.63	3850221.93	2.42522	1.0944	1.7685	0.80452	1.85E-01	1.17E+01	1.96E-01	4.60E-02	1.21E+01	1.80E-01	4.93E-05	1.96E-02	9.01E-03	2.08E-01	2.01E-01	1.17E+01	1.96E-01	4.60E-02	1.21E+01
3004	479176.63	3850221.93	2.34208	1.06043	1.7504	0.80856	1.79E-01	1.13E+01	1.94E-01	4.62E-02	1.17E+01	1.73E-01	4.78E-05	1.94E-02	9.05E-03	2.02E-01	1.94E-01	1.13E+01	1.94E-01	4.62E-02	1.18E+01
3005	479226.63	3850221.93	2.36761	1.02865	1.7307	0.80639	1.80E-01	1.10E+01	1.91E-01	4.61E-02	1.14E+01	1.75E-01	4.64E-05	1.91E-02	9.03E-03	2.03E-01	1.97E-01	1.10E+01	1.91E-01	4.61E-02	1.14E+01
3006	479276.63	3850221.93	2.48027	0.99824	1.7096	0.79896	1.89E-01	1.07E+01	1.89E-01	4.57E-02	1.11E+01	1.84E-01	4.50E-05	1.89E-02	8.94E-03	2.12E-01	2.06E-01	1.07E+01	1.89E-01	4.57E-02	1.11E+01
3007	479326.63	3850221.93	2.62514	0.95409	1.6866	0.83227	2.00E-01	1.02E+01	1.86E-01	4.76E-02	1.06E+01	1.94E-01	4.30E-05	1.86E-02	9.32E-03	2.22E-01	2.18E-01	1.02E+01	1.86E-01	4.76E-02	1.06E+01
3008	479376.63	3850221.93	2.72523	0.91448	1.6623	0.85019	2.08E-01	9.76E+00	1.84E-01	4.86E-02	1.02E+01	2.02E-01	4.12E-05	1.84E-02	9.52E-03	2.30E-01	2.26E-01	9.76E+00	1.84E-01	4.86E-02	1.02E+01
3009	478676.63	3850271.93	2.42846	1.52926	1.8692	0.49947	1.85E-01	1.63E+01	2.07E-01	2.86E-02	1.67E+01	1.80E-01	6.89E-05	2.07E-02	5.59E-03	2.06E-01	2.02E-01	1.63E+01	2.07E-01	2.86E-02	1.68E+01
3010	478726.63	3850271.93	2.47019	1.50508	1.8682	0.52247	1.88E-01	1.61E+01	2.07E-01	2.99E-02	1.65E+01	1.83E-01	6.78E-05	2.07E-02	5.85E-03	2.09E-01	2.05E-01	1.61E+01	2.07E-01	2.99E-02	1.65E+01
3011	478976.63	3850271.93	2.43891	1.28892	1.8371	0.68069	1.86E-01	1.38E+01	2.03E-01	3.89E-02	1.42E+01	1.81E-01	5.81E-05	2.03E-02	7.62E-03	2.09E-01	2.02E-01	1.38E+01	2.03E-01	3.89E-02	1.42E+01
3012	479026.63	3850271.93	2.44611	1.24638	1.8258	0.69687	1.86E-01	1.33E+01	2.02E-01	3.98E-02	1.37E+01	1.81E-01	5.62E-05	2.02E-02	7.80E-03	2.09E-01	2.03E-01	1.33E+01	2.02E-01	3.98E-02	1.37E+01
3013	479076.63	3850271.93	2.45025	1.19996	1.8127	0.721	1.87E-01	1.28E+01	2.00E-01	4.12E-02	1.32E+01	1.81E-01	5.41E-05	2.00E-02	8.07E-03	2.10E-01	2.03E-01	1.28E+01	2.00E-01	4.12E-02	1.33E+01
3014	479126.63	3850271.93	2.43229	1.15589	1.7978	0.74227	1.85E-01	1.23E+01	1.99E-01	4.24E-02	1.28E+01	1.80E-01	5.21E-05	1.99E-02	8.31E-03	2.08E-01	2.02E-01	1.23E+01	1.99E-01	4.24E-02	1.28E+01
3015	479176.63	3850271.93	2.38275	1.11703	1.7814	0.75346	1.82E-01	1.19E+01	1.97E-01	4.31E-02	1.23E+01	1.76E-01	5.04E-05	1.97E-02	8.43E-03	2.05E-01	1.98E-01	1.19E+01	1.97E-01	4.31E-02	1.24E+01
3016	479226.63	3850271.93	2.30615	1.08203	1.7634	0.75619	1.76E-01	1.15E+01	1.95E-01	4.32E-02	1.20E+01	1.71E-01	4.88E-05	1.95E-02	8.47E-03	1.99E-01	1.91E-01	1.15E+01	1.95E-01	4.32E-02	1.20E+01
3017	479276.63	3850271.93	2.33462	1.04422	1.7438	0.76751	1.78E-01	1.11E+01	1.93E-01	4.39E-02	1.16E+01	1.73E-01	4.71E-05	1.93E-02	8.59E-03	2.01E-01	1.94E-01	1.11E+01	1.93E-01	4.39E-02	1.16E+01
3018	479326.63	3850271.93	2.49222	1.00088	1.7223	0.79625	1.90E-01	1.07E+01	1.90E-01	4.55E-02	1.11E+01	1.85E-01	4.51E-05	1.90E-02	8.91E-03	2.13E-01	2.07E-01	1.07E+01	1.90E-01	4.55E-02	1.11E+01
3019	479376.63	3850271.93	2.64922	0.95457	1.6993	0.83476	2.02E-01	1.02E+01	1.88E-01	4.77E-02	1.06E+01	1.96E-01	4.30E-05	1.88E-02	9.34E-03	2.24E-01	2.20E-01	1.02E+01	1.88E-01	4.77E-02	1.06E+01
3020	479053.24	3850293.52	2.42635	1.25099	1.8299	0.68354	1.85E-01	1.34E+01	2.02E-01	3.91E-02	1.38E+01	1.80E-01	5.64E-05	2.02E-02	7.65E-03	2.08E-01	2.01E-01	1.34E+01	2.02E-01	3.91E-02	1.38E+01
3021	479103.24	3850293.52	2.42464	1.20556	1.8167	0.70385	1.85E-01	1.29E+01	2.01E-01	4.02E-02	1.33E+01	1.80E-01	5.43E-05	2.01E-02	7.88E-03	2.08E-01	2.01E-01	1.29E+01	2.01E-01	4.02E-02	1.33E+01
3022	479153.24	3850293.52	2.41388	1.1596	1.8018	0.72817	1.84E-01	1.24E+01	1.99E-01	4.16E-02	1.28E+01	1.79E-01	5.23E-05	1.99E-02	8.15E-03	2.07E-01	2.00E-01	1.24E+01	1.99E-01	4.16E-02	1.28E+01
3023	479203.24	3850293.52	2.35674	1.12245	1.7853	0.73367	1.80E-01	1.20E+01	1.97E-01	4.20E-02	1.24E+01	1.74E-01	5.06E-05	1.97E-02	8.21E-03	2.02E-01	1.96E-01	1.20E+01	1.97E-01	4.20E-02	1.24E+01
3024	479253.24	3850293.52	2.29329	1.0842	1.7671	0.74377	1.75E-01	1.16E+01	1.95E-01	4.25E-02	1.20E+01	1.70E-01	4.89E-05	1.95E-02	8.33E-03	1.98E-01	1.90E-01	1.16E+01	1.95E-01	4.25E-02	1.20E+01
3025	479303.24	3850293.52	2.35517	1.04096	1.7472	0.76985	1.80E-01	1.11E+01	1.93E-01	4.40E-02	1.15E+01	1.74E-01	4.69E-05	1.93E-02	8.62E-03	2.02E-01	1.96E-01	1.11E+01	1.93E-01	4.40E-02	1.15E+01
3026	479353.24	3850293.52	2.52196	0.99538	1.7256	0.80482	1.92E-01	1.06E+01	1.91E-01	4.60E-02	1.11E+01	1.87E-01	4.49E-05	1.91E-02	9.01E-03	2.15E-01	2.09E-01	1.06E+01	1.91E-01	4.60E-02	1.11E+01
3027	479153.24	3850343.52	2.38426	1.22322	1.8294	0.67185	1.82E-01	1.31E+01	2.02E-01	3.84E-02	1.35E+01	1.77E-01	5.51E-05	2.02E-02	7.52E-03	2.04E-01	1.98E-01	1.31E+01	2.02E-01	3.84E-02	1.35E+01
3028	479203.24	3850343.52	2.18139	1.1806	1.8147	0.68462	1.66E-01	1.26E+01	2.01E-01	3.91E-02	1.30E+01	1.61E-01	5.32E-05	2.01E-02	7.66E-03	1.89E-01	1.81E-01	1.26E+01	2.01E-01	3.91E-02	1.30E+01
3029	479253.24	3850343.52	2.34506	1.13436	1.7982	0.70996	1.79E-01	1.21E+01	1.99E-01	4.06E-02	1.25E+01	1.74E-01	5.11E-05	1.99E-02	7.95E-03	2.01E-01	1.95E-01	1.21E+01	1.99E-01	4.06E-02	1.25E+01
3030	479303.24	3850343.52	2.32136	1.0877	1.7799	0.74098	1.77E-01	1.16E+01	1.97E-01	4.24E-02	1.20E+01	1.72E-01	4.90E-05	1.97E-02	8.29E-03	2.00E-01	1.93E-01	1.16E+01	1.97E-01	4.24E-02	1.20E+01
3031	479353.24	3850343.52	2.37064	1.04192	1.76	0.77316	1.81E-01	1.11E+01	1.95E-01	4.42E-02	1.15E+01	1.76E-01	4.70E-05	1.95E-02	8.65E-03	2.04E-01	1.97E-01	1.11E+01	1.95E-01	4.42E-02	1.16E+01
3032	479203.24	3850393.52	2.21274	1.23856	1.8421	0.64508	1.69E-01	1.32E+01	2.04E-01	3.69E-02	1.36E+01	1.64E-01	5.58E-05	2.04E-02	7.22E-03	1.91E-01	1.84E-01	1.32E+01	2.04E-01	3.69E-02	1.36E+01
3033	479253.24	3850393.52	2.20947	1.18941	1.8275	0.67079	1.68E-01	1.27E+01	2.02E-01	3.84E-02	1.31E+01	1.64E-01	5.36E-05	2.02E-02	7.51E-03	1.91E-01	1.83E-01	1.27E+01	2.02E-01	3.84E-02	1.31E+01
3034	479303.24	3850393.52	2.18977	1.14013	1.811	0.70225	1.67E-01	1.22E+01	2.00E-01	4.02E-02	1.26E+01	1.62E-01	5.14E-05	2.00E-02	7.86E-03	1.90E-01	1.82E-01	1.22E+01	2.00E-01	4.02E-02	1.26E+01
3035	479353.24	3850393.52	2.34648	1.09184	1.7929	0.73631	1.79E-01	1.17E+01	1.98E-01	4.21E-02	1.21E+01	1.74E-01	4.92E-05	1.98E-02	8.24E-03	2.02E-01	1.95E-01	1.17E+01	1.98E-01	4.21E-02	1.21E+01
3036	479403.24	3850393.52	2.3758	1.04585	1.773	0.76782	1.81E-01	1.12E+01	1.96E-01	4.39E-02	1.16E+01	1.76E-01	4.71E-05	1.96E-02	8.60E-03	2.04E-01	1.97E-01	1.12E+01	1.96E-01	4.39E-02	1.16E+01
3037	479453.24	3850393.52	2.56033	0.99723	1.7514	0.80921	1.95E-01	1.06E+01	1.94E-01	4.63E-02	1.11E+01	1.90E-01	4.50E-05	1.94E-02	9.06E-03	2.18E-01	2.13E-01	1.06E+01	1.94E-01	4.63E-02	1.11E+01
3038	479503.24	3850393.52	2.73979	0.94714	1.7282	0.8557	2.09E-01	1.01E+01	1.91E-01	4.89E-02	1.06E+01	2.03E-01	4.27E-05	1.91E-02	9.58E-03	2.32E-01	2.27E-01	1.01E+01	1.91E-01	4.89E-02	1.06E+01
3039	479303.24	3850443.52	2.23751	1.19162	1.8402	0.67291	1.71E-01	1.27E+01	2.03E-01	3.85E-02	1.31E+01	1.66E-01	5.37E-05	2.03E-02	7.53E-03	1.94E-01	1.86E-01	1.27E+01	2.03E-01	3.85E-02	1.31E+01
3040	479353.24	3850443.52	2.40915	1.13861	1.8238	0.71344	1.84E-01	1.22E+01	2.02E-01	4.08E-02	1.26E+01	1.78E-01	5.13E-05	2.02E-02	7.99E-03	2.07E-01	2.00E-01	1.22E+01	2.02E-01	4.08E-02	1.26E+01
3041	479403.24	3850443.52	2.41186	1.08684	1.8056	0.75682	1.84E-01	1.16E+01	2.00E-01	4.33E-02	1.20E+01	1.79E-01	4.90E-05	2.00E-02	8.47E-03	2.07E-01	2.00E-01	1.16E+01	2.00E-01	4.33E-02	1.20E+01
3042	479453.24	3850443.52	2.42246	1.03681	1.7858	0.79977	1.85E-01	1.11E+01	1.97E-01	4.57E-02	1.15E+01	1.79E-01	4.67E-05	1.97E-02	8.95E-03	2.08E-01	2.01E-01	1.11E+01	1.97E-01	4.57E-02	1.15E+01
3043	479503.24	3850443.52	2.62008	0.98697	1.7642	0.84454	2.00E-01	1.05E+01	1.95E-01	4.83E-02	1.10E+01	1.94E-01	4.45E-05	1.95E-02	9.45E-03	2.23E-01	2.18E-01	1.05E+01	1.95E-01	4.83E-02	1.10E+01
3044	480327.18	3850987.04	2.84346	1.12635	1.7718	0.57582	2.17E-01	1.20E+01	1.96E-01	3.29E-02	1.25E+01	2.11E-01	5.08E-05	1.96E-02	6.45E-03	2.37E-01	2.36E-01	1.20E+01	1.96E-01	3.29E-02	1.25E+01
3045	480377.18	3850987.04	2.78814	1.13392	1.7397	0.58968	2.13E-01	1.21E+01	1.92E-01	3.37E-02	1.25E+01	2.06E-01	5.11E-05	1.92E-02	6.60E-03	2.32E-01	2.31E-01	1.21E+01	1.92E-01	3.37E-02	1.26E+01
3046	480427.18	3850987.04	2.78184	1.12761	1.706	0.61212	2.12E-01	1.20E+01	1.89E-01	3.50E-02	1.25E+01	2.06E-01	5.08E-05	1.89E-02	6.85E-03	2.32E-01	2.31E-01	1.20E+01	1.89E-01	3.50E-02	1.25E+01

3047	480477.18	3850987.04	2.98817	1.10916	1.6707	0.63895	2.28E-01	1.18E+01	1.85E-01	3.65E-02	1.23E+01	2.21E-01	5.00E-05	1.85E-02	7.15E-03	2.47E-01	2.48E-01	1.18E+01	1.85E-01	3.65E-02	1.23E+01
3048	480327.18	3851037.04	2.89958	1.13329	1.8174	0.5536	2.21E-01	1.21E+01	2.01E-01	3.17E-02	1.25E+01	2.15E-01	5.11E-05	2.01E-02	6.20E-03	2.41E-01	2.41E-01	1.21E+01	2.01E-01	3.17E-02	1.26E+01
3049	480377.18	3851037.04	2.88288	1.14432	1.7868	0.56939	2.20E-01	1.22E+01	1.98E-01	3.26E-02	1.27E+01	2.13E-01	5.16E-05	1.98E-02	6.37E-03	2.40E-01	2.39E-01	1.22E+01	1.98E-01	3.26E-02	1.27E+01
3050	480427.18	3851037.04	2.8288	1.14506	1.7545	0.58854	2.16E-01	1.22E+01	1.94E-01	3.37E-02	1.27E+01	2.09E-01	5.16E-05	1.94E-02	6.59E-03	2.35E-01	2.35E-01	1.22E+01	1.94E-01	3.37E-02	1.27E+01
3051	480477.18	3851037.04	2.8172	1.13862	1.7207	0.6041	2.15E-01	1.22E+01	1.90E-01	3.45E-02	1.26E+01	2.09E-01	5.13E-05	1.90E-02	6.76E-03	2.34E-01	2.34E-01	1.22E+01	1.90E-01	3.45E-02	1.26E+01
3052	480622.06	3851087.39	3.28566	1.10788	1.6679	0.61548	2.50E-01	1.18E+01	1.84E-01	3.52E-02	1.23E+01	2.43E-01	4.99E-05	1.84E-02	6.89E-03	2.69E-01	2.73E-01	1.18E+01	1.84E-01	3.52E-02	1.23E+01
3053	480672.06	3851087.39	3.51456	1.07621	1.6301	0.62302	2.68E-01	1.15E+01	1.80E-01	3.56E-02	1.20E+01	2.60E-01	4.85E-05	1.80E-02	6.97E-03	2.85E-01	2.92E-01	1.15E+01	1.80E-01	3.56E-02	1.20E+01
3054	480622.06	3851137.39	3.08713	1.14692	1.7197	0.58104	2.35E-01	1.22E+01	1.90E-01	3.32E-02	1.27E+01	2.29E-01	5.17E-05	1.90E-02	6.50E-03	2.54E-01	2.56E-01	1.22E+01	1.90E-01	3.32E-02	1.27E+01
3055	480672.06	3851137.39	3.33387	1.11674	1.6829	0.59219	2.54E-01	1.19E+01	1.86E-01	3.39E-02	1.24E+01	2.47E-01	5.03E-05	1.86E-02	6.63E-03	2.72E-01	2.77E-01	1.19E+01	1.86E-01	3.39E-02	1.24E+01
3056	480722.06	3851137.39	3.5681	1.08306	1.645	0.59711	2.72E-01	1.16E+01	1.82E-01	3.41E-02	1.20E+01	2.64E-01	4.88E-05	1.82E-02	6.68E-03	2.89E-01	2.96E-01	1.16E+01	1.82E-01	3.41E-02	1.21E+01
3057	480622.06	3851187.39	2.92296	1.1817	1.7706	0.55061	2.23E-01	1.26E+01	1.96E-01	3.15E-02	1.31E+01	2.16E-01	5.33E-05	1.96E-02	6.16E-03	2.42E-01	2.43E-01	1.26E+01	1.96E-01	3.15E-02	1.31E+01
3058	480672.06	3851187.39	3.12931	1.15784	1.7352	0.55876	2.39E-01	1.24E+01	1.92E-01	3.20E-02	1.28E+01	2.32E-01	5.22E-05	1.92E-02	6.25E-03	2.57E-01	2.60E-01	1.24E+01	1.92E-01	3.20E-02	1.28E+01
3059	480722.06	3851187.39	3.38205	1.1275	1.6984	0.56312	2.58E-01	1.20E+01	1.88E-01	3.22E-02	1.25E+01	2.50E-01	5.08E-05	1.88E-02	6.30E-03	2.76E-01	2.81E-01	1.20E+01	1.88E-01	3.22E-02	1.25E+01
3060	471363.09	3845877.25	0.55093	0.43427	0.9153	0.59367	4.20E-02	4.63E+00	1.01E-01	3.39E-02	4.81E+00	4.08E-02	1.96E-05	1.01E-02	6.65E-03	5.76E-02	4.57E-02	4.63E+00	1.01E-01	3.39E-02	4.82E+00
3061	471863.09	3845877.25	0.50196	0.38958	1.0565	0.58908	3.83E-02	4.16E+00	1.17E-01	3.37E-02	4.35E+00	3.72E-02	1.76E-05	1.17E-02	6.59E-03	5.55E-02	4.17E-02	4.16E+00	1.17E-01	3.37E-02	4.35E+00
3062	472363.09	3845877.25	0.6346	0.38356	1.1749	0.55723	4.84E-02	4.09E+00	1.30E-01	3.19E-02	4.30E+00	4.70E-02	1.73E-05	1.30E-02	6.24E-03	6.62E-02	5.27E-02	4.09E+00	1.30E-01	3.19E-02	4.31E+00
3063	472863.09	3845877.25	0.6244	0.23917	1.2503	0.50279	4.76E-02	2.55E+00	1.38E-01	2.88E-02	2.77E+00	4.62E-02	1.08E-05	1.38E-02	5.63E-03	6.57E-02	5.18E-02	2.55E+00	1.38E-01	2.88E-02	2.77E+00
3064	473363.09	3845877.25	0.58055	0.20256	1.2706	0.43339	4.43E-02	2.16E+00	1.40E-01	2.48E-02	2.37E+00	4.30E-02	9.13E-06	1.40E-02	4.85E-03	6.19E-02	4.82E-02	2.16E+00	1.40E-01	2.48E-02	2.38E+00
3065	473863.09	3845877.25	0.97314	0.21557	1.2271	0.35938	7.42E-02	2.30E+00	1.36E-01	2.06E-02	2.53E+00	7.20E-02	9.72E-06	1.36E-02	4.02E-03	8.96E-02	8.08E-02	2.30E+00	1.36E-01	2.06E-02	2.54E+00
3066	474363.09	3845877.25	0.8958	0.37142	1.1231	0.28976	6.83E-02	3.96E+00	1.24E-01	1.66E-02	4.17E+00	6.63E-02	1.67E-05	1.24E-02	3.24E-03	8.20E-02	7.44E-02	3.96E+00	1.24E-01	1.66E-02	4.18E+00
3067	474863.09	3845877.25	1.08865	0.41135	0.9715	0.33727	8.30E-02	4.39E+00	1.07E-01	1.93E-02	4.60E+00	8.06E-02	1.85E-05	1.07E-02	3.78E-03	9.51E-02	9.04E-02	4.39E+00	1.07E-01	1.93E-02	4.61E+00
3068	475363.09	3845877.25	1.15323	0.321	0.7939	0.69585	8.79E-02	3.43E+00	8.78E-02	3.98E-02	3.64E+00	8.54E-02	1.45E-05	8.78E-03	7.79E-03	1.02E-01	9.57E-02	3.43E+00	8.78E-02	3.98E-02	3.65E+00
3069	475863.09	3845877.25	1.23127	0.27557	0.6134	0.72531	9.38E-02	2.94E+00	6.78E-02	4.15E-02	3.14E+00	9.12E-02	1.24E-05	6.78E-03	8.12E-03	1.06E-01	1.02E-01	2.94E+00	6.78E-02	4.15E-02	3.15E+00
3070	476363.09	3845877.25	1.29112	0.22151	0.5154	0.4949	9.84E-02	2.36E+00	5.70E-02	2.83E-02	2.55E+00	9.56E-02	9.99E-06	5.70E-03	5.54E-03	1.07E-01	1.07E-01	2.36E+00	5.70E-02	2.83E-02	2.56E+00
3071	476863.09	3845877.25	1.02679	0.26784	0.8195	0.29767	7.83E-02	2.86E+00	9.06E-02	1.70E-02	3.04E+00	7.60E-02	1.21E-05	9.06E-03	3.33E-03	8.84E-02	8.52E-02	2.86E+00	9.06E-02	1.70E-02	3.05E+00
3072	477363.09	3845877.25	0.76598	0.27812	1.7122	0.26566	5.84E-02	2.97E+00	1.89E-01	1.52E-02	3.23E+00	5.67E-02	1.25E-05	1.89E-02	2.97E-03	7.86E-02	6.36E-02	2.97E+00	1.89E-01	1.52E-02	3.24E+00
3073	477863.09	3845877.25	0.70874	0.26869	1.8501	0.28174	5.40E-02	2.87E+00	2.05E-01	1.61E-02	3.14E+00	5.25E-02	1.21E-05	2.05E-02	3.15E-03	7.61E-02	5.88E-02	2.87E+00	2.05E-01	1.61E-02	3.15E+00
3074	478363.09	3845877.25	0.96682	0.23269	1.2418	0.30826	7.37E-02	2.48E+00	1.37E-01	1.76E-02	2.71E+00	7.16E-02	1.05E-05	1.37E-02	3.45E-03	8.88E-02	8.03E-02	2.48E+00	1.37E-01	1.76E-02	2.72E+00
3075	478863.09	3845877.25	0.9359	0.1707	0.6817	0.32163	7.13E-02	1.82E+00	7.54E-02	1.84E-02	1.99E+00	6.93E-02	7.69E-06	7.54E-03	3.60E-03	8.04E-02	7.77E-02	1.82E+00	7.54E-02	1.84E-02	1.99E+00
3076	479363.09	3845877.25	0.61356	0.15419	0.719	0.31932	4.68E-02	1.65E+00	7.95E-02	1.83E-02	1.79E+00	4.54E-02	6.95E-06	7.95E-03	3.57E-03	5.70E-02	5.09E-02	1.65E+00	7.95E-02	1.83E-02	1.79E+00
3077	479863.09	3845877.25	0.4149	0.14931	0.7196	0.3418	3.16E-02	1.59E+00	7.96E-02	1.95E-02	1.72E+00	3.07E-02	6.73E-06	7.96E-03	3.83E-03	4.25E-02	3.44E-02	1.59E+00	7.96E-02	1.95E-02	1.73E+00
3078	480363.09	3845877.25	0.35555	0.16161	0.6055	0.39055	2.71E-02	1.72E+00	6.69E-02	2.23E-02	1.84E+00	2.63E-02	7.29E-06	6.69E-03	4.37E-03	3.74E-02	2.95E-02	1.72E+00	6.69E-02	2.23E-02	1.84E+00
3079	480863.09	3845877.25	0.21036	0.13636	0.7132	0.41672	1.60E-02	1.46E+00	7.88E-02	2.38E-02	1.57E+00	1.56E-02	6.15E-06	7.88E-03	4.66E-03	2.81E-02	1.75E-02	1.46E+00	7.88E-02	2.38E-02	1.58E+00
3080	481363.09	3845877.25	0.30718	0.12946	0.7834	0.42088	2.34E-02	1.38E+00	8.66E-02	2.41E-02	1.52E+00	2.27E-02	5.84E-06	8.66E-03	4.71E-03	3.61E-02	2.55E-02	1.38E+00	8.66E-02	2.41E-02	1.52E+00
3081	481863.09	3845877.25	0.39742	0.25078	0.7974	0.41017	3.03E-02	2.68E+00	8.82E-02	2.35E-02	2.82E+00	2.94E-02	1.13E-05	8.82E-03	4.59E-03	4.28E-02	3.30E-02	2.68E+00	8.82E-02	2.35E-02	2.82E+00
3082	482363.09	3845877.25	0.42341	0.31775	0.8917	0.39184	3.23E-02	3.39E+00	9.86E-02	2.24E-02	3.54E+00	3.13E-02	1.43E-05	9.86E-03	4.39E-03	4.56E-02	3.52E-02	3.39E+00	9.86E-02	2.24E-02	3.55E+00
3083	482863.09	3845877.25	0.30801	0.2745	1.1152	0.36921	2.35E-02	2.93E+00	1.23E-01	2.11E-02	3.10E+00	2.28E-02	1.24E-05	1.23E-02	4.13E-03	3.93E-02	2.56E-02	2.93E+00	1.23E-01	2.11E-02	3.10E+00
3084	483363.09	3845877.25	0.25023	0.20226	1.3771	0.34046	1.91E-02	2.16E+00	1.52E-01	1.95E-02	2.35E+00	1.85E-02	9.12E-06	1.52E-02	3.81E-03	3.76E-02	2.08E-02	2.16E+00	1.52E-01	1.95E-02	2.35E+00
3085	483863.09	3845877.25	0.59843	0.14695	1.4957	0.30281	4.56E-02	1.57E+00	1.65E-01	1.73E-02	1.80E+00	4.43E-02	6.62E-06	1.65E-02	3.39E-03	6.42E-02	4.97E-02	1.57E+00	1.65E-01	1.73E-02	1.80E+00
3086	484363.09	3845877.25	0.66223	0.15203	1.668	0.3316	5.05E-02	1.62E+00	1.84E-01	1.90E-02	1.88E+00	4.90E-02	6.85E-06	1.84E-02	3.71E-03	7.12E-02	5.50E-02	1.62E+00	1.84E-01	1.90E-02	1.88E+00
3087	484863.09	3845877.25	0.64427	0.2605	1.3656	0.36468	4.91E-02	2.78E+00	1.51E-01	2.09E-02	3.00E+00	4.77E-02	1.17E-05	1.51E-02	4.08E-03	6.69E-02	5.35E-02	2.78E+00	1.51E-01	2.09E-02	3.01E+00
3088	485363.09	3845877.25	0.47226	0.29049	1.1362	0.31945	3.60E-02	3.10E+00	1.26E-01	1.83E-02	3.28E+00	3.50E-02	1.31E-05	1.26E-02	3.58E-03	5.11E-02	3.92E-02	3.10E+00	1.26E-01	1.83E-02	3.28E+00
3089	485863.09	3845877.25	0.27056	0.27601	0.9062	0.24503	2.06E-02	2.95E+00	1.00E-01	1.40E-02	3.08E+00	2.00E-02	1.24E-05	1.00E-02	2.74E-03	3.28E-02	2.25E-02	2.95E+00	1.00E-01	1.40E-02	3.08E+00
3090	486363.09	3845877.25	0.23161	0.32857	0.9311	0.24322	1.77E-02	3.51E+00	1.03E-01	1.39E-02	3.64E+00	1.71E-02	1.48E-05	1.03E-02	2.72E-03	3.02E-02	1.92E-02	3.51E+00	1.03E-01	1.39E-02	3.64E+00
3091	486863.09	3845877.25	0.19942	0.27412	0.9182	0.24704	1.52E-02	2.93E+00	1.02E-01	1.41E-02	3.06E+00	1.48E-02	1.24E-05	1.02E-02	2.77E-03	2.77E-02	1.66E-02	2.93E+00	1.02E-01	1.41E-02	3.06E+00
3092	487363.09	3845877.25	0.18195	0.12756	1.1146	0.25093	1.39E-02	1.36E+00	1.23E-01	1.43E-02	1.51E+00	1.35E-02	5.75E-06	1.23E-02	2.81E-03	2.86E-02	1.51E-02	1.36E+00	1.23E-01	1.43E-02	1.51E+00
3093	487863.09	3845877.25	0.11631	0.1118	1.2255	0.25977	8.87E-03	1.19E+00	1.35E-01	1.49E-02	1.35E+00	8.61E-03	5.04E-06	1.35E-02	2.91E-03	2.51E-02	9.66E-03	1.19E+00	1.35E-01	1.49E-02	1.35E+00
3094	488363.09	3845877.25	0.13837	0.09158	1.2808	0.31689	1.05E-02	9.77E-01	1.42E-01	1.81E-02	1.15E+00	1.02E-02	4.13E-06	1.42E-02	3.55E-03	2.80E-02	1.15E-02	9.77E-01	1.42E-01	1.81E-02	1.15E+00
3095	488863.09	3845877.25	0.14239	0.13335	2.0526	0.36394	1.09E-02	1.42E+00	2.27E-01	2.08E-02	1.68E+00	1.05E-02	6.01E-06	2.27E-02	4.07E-03	3.73E-02	1.18E-02	1.42E+00	2.27E-01	2.08E-02	1.68E+00
3096	489363.09	3845877.25	0.14245	0.14417	1.4979	0.34928	1.09E-02	1.54E+00	1.66E-01	2.00E-02	1.73E+00	1.05E-02	6.50E-06	1.66E-02	3.91E-03	3.10E-02	1.18E-02	1.54E+00	1.66E-01	2.00E-02	1.74E+00
3097	489863.09	3845877.25	0.13689	0.07829	1.0959	0.28034	1.04E-02	8.35E-01	1.21E-01	1.60E-02	9.83E-01	1.01E-02	3.53E-06	1.21E-02	3.14E-03	2.54E-02	1.14E-02	8.35E-01	1.21E-01	1.60E-02	9.84E-01
3098	490363.09	3845877.25	0.10025	0.10657	0.9679	0.19275	7.64E-03	1.14E+00	1.07E-01	1.10E-02	1.26E+00	7.42E-03	4.80E-06	1.07E-02	2.16E-03	2.03E-02	8.32E-03	1.14E+00	1.07E-01	1.10E-02	1.26E+00
3099	490863.09	3845877.25	0.12434	0.12997	0.9412	0.17519	9.48E-03	1.39E+00	1.04E-01	1.00E-02	1.51E+00	9.21E-03	5.86E-06	1.04E-02	1.96E-03	2.16E-02	1.03E-02	1.39E+00	1.04E-01	1.00E-02	1.51E+00
3100	491363.09	3845877.25	0.13178	0.14951	1.0777	0.19749	1.00E-02	1.60E+00	1.19E-01	1.13E-02	1.74E+00	9.76E-03	6.74E-06	1.19E-02	2.21E-03	2.39E-02	1.09E-02	1.60E+00	1.19E-01	1.13E-02	1.74E+00
3101	491863.09	3845877.25	0.22057	0.17373	1.1866	0.22077	1.68E-02	1.85E+00	1.31E-01	1.26E-02	2.01E+00	1.63E-02	7.83E-06	1.31E-02	2.47E-03	3.19E-02	1.83E-02	1.85E+00	1.31E-01	1.26E-02	2.02E+00
3102	492363.09	3845877.25	0.35226	0.18748	0.9726	0.21581	2.68E-02	2.00E+00	1.08E-01	1.23E-02	2.15E+00	2.61E-02	8.45E-06	1.08E-02	2.42E-03	3.93E-02	2.92E-02	2.00E+00	1.08E-01	1.23E-02	2.15E+00
3103	492863.09	3845877.25	0.40916	0.17944	0.8481	0.20663	3.12E-02	1.91E+00	9.38E-02	1.18E-02	2.05E+00	3.03E-02	8.09E-06	9.38E-03	2.31E-03	4.20E-02	3.40E-02	1.91E+00	9.38E-02	1.18E-02	2.05E+00
3104	493363.09	3845877.25	0.42025	0.15369	0.7924	0.19208	3.20E-02	1.64E+00	8.76E-02	1.10E-02	1.77E+00	3.11E-02	6.93E-06	8.76E-03	2.15E-03	4.20E-02	3.49E-02	1.64E+00	8.76E-02	1.10E-02	1.77E+00
3105	493863.09	3845877.25	0.4201	0.12292	0.7425	0.14949	3.20E-02	1.31E+00	8.21E-02	8.55E-03	1.43E+00	3.11E-02	5.54E-06	8.21E-03	1.67E-03	4.10E-02	3.49E-02	1.31E+00	8.21E-02	8.55E-03	1.44E+00
3106	494363.09	3845877.25	0.41542	0.09584	0.9415	0.16052	3.17E-02	1.02E+00	1.04E-01	9.18E-03	1.17E+00	3.08E-02	4.32E-06	1.04E-02	1.80E-03	4.30E-02	3.45E-02	1.02E+00	1.04E-01	9.18E-03	1.17E+00
3107	494863.09	3845877.25	0.38953	0.08002	1.0504	0.16912	2.97E-02	8.54E-01	1.16E-01	9.67E-03	1.01E+00	2.88E-02	3.61E-06	1.16E-02	1.89E-03	4.23E-02	3.23E-02	8.54E-01	1.16E-01	9.67E-03	1.01E+00

3108	495363.09	3845877.25	0.30843	0.0883	1.0304	0.18086	2.35E-02	9.42E-01	1.14E-01	1.03E-02	1.09E+00	2.28E-02	3.98E-06	1.14E-02	2.02E-03	3.63E-02	2.56E-02	9.42E-01	1.14E-01	1.03E-02	1.09E+00
3109	495863.09	3845877.25	0.17845	0.1243	0.8967	0.18334	1.36E-02	1.33E+00	9.91E-02	1.05E-02	1.45E+00	1.32E-02	5.60E-06	9.91E-03	2.05E-03	2.52E-02	1.48E-02	1.33E+00	9.91E-02	1.05E-02	1.45E+00
3110	496363.09	3845877.25	0.10756	0.16862	0.9225	0.19962	8.20E-03	1.80E+00	1.02E-01	1.14E-02	1.92E+00	7.96E-03	7.60E-06	1.02E-02	2.23E-03	2.04E-02	8.93E-03	1.80E+00	1.02E-01	1.14E-02	1.92E+00
3111	496863.09	3845877.25	0.12462	0.1927	1.2262	0.21703	9.50E-03	2.06E+00	1.36E-01	1.24E-02	2.21E+00	9.23E-03	8.69E-06	1.36E-02	2.43E-03	2.52E-02	1.03E-02	2.06E+00	1.36E-01	1.24E-02	2.21E+00
3112	497363.09	3845877.25	0.14438	0.19093	1.3977	0.22761	1.10E-02	2.04E+00	1.55E-01	1.30E-02	2.22E+00	1.07E-02	8.61E-06	1.55E-02	2.55E-03	2.87E-02	1.20E-02	2.04E+00	1.55E-01	1.30E-02	2.22E+00
3113	497863.09	3845877.25	0.17459	0.19313	1.3582	0.23046	1.33E-02	2.06E+00	1.50E-01	1.32E-02	2.24E+00	1.29E-02	8.71E-06	1.50E-02	2.58E-03	3.05E-02	1.45E-02	2.06E+00	1.50E-01	1.32E-02	2.24E+00
3114	498363.09	3845877.25	0.18538	0.22018	1.1411	0.22614	1.41E-02	2.35E+00	1.26E-01	1.29E-02	2.50E+00	1.37E-02	9.93E-06	1.26E-02	2.53E-03	2.89E-02	1.54E-02	2.35E+00	1.26E-01	1.29E-02	2.50E+00
3115	471363.09	3846377.25	0.91508	0.51212	0.7457	0.58335	6.97E-02	5.47E+00	8.24E-02	3.34E-02	5.65E+00	6.77E-02	2.31E-05	8.24E-03	6.53E-03	8.25E-02	7.60E-02	5.47E+00	8.24E-02	3.34E-02	5.66E+00
3116	471863.09	3846377.25	1.15648	0.458	0.9005	0.61307	8.81E-02	4.89E+00	9.96E-02	3.51E-02	5.11E+00	8.56E-02	2.06E-05	9.96E-03	6.86E-03	1.02E-01	9.60E-02	4.89E+00	9.96E-02	3.51E-02	5.12E+00
3117	472363.09	3846377.25	0.57453	0.41266	1.0522	0.61531	4.38E-02	4.40E+00	1.16E-01	3.52E-02	4.60E+00	4.25E-02	1.86E-05	1.16E-02	6.89E-03	6.11E-02	4.77E-02	4.40E+00	1.16E-01	3.52E-02	4.60E+00
3118	472863.09	3846377.25	0.6047	0.35233	1.1874	0.58677	4.61E-02	3.76E+00	1.31E-01	3.36E-02	3.97E+00	4.48E-02	1.59E-05	1.31E-02	6.57E-03	6.45E-02	5.02E-02	3.76E+00	1.31E-01	3.36E-02	3.98E+00
3119	473363.09	3846377.25	0.73447	0.25665	1.2826	0.53172	5.60E-02	2.74E+00	1.42E-01	3.04E-02	2.97E+00	5.44E-02	1.16E-05	1.42E-02	5.95E-03	7.45E-02	6.10E-02	2.74E+00	1.42E-01	3.04E-02	2.97E+00
3120	473863.09	3846377.25	0.79685	0.24598	1.32	0.45882	6.07E-02	2.63E+00	1.46E-01	2.62E-02	2.86E+00	5.90E-02	1.11E-05	1.46E-02	5.14E-03	7.87E-02	6.62E-02	2.63E+00	1.46E-01	2.62E-02	2.86E+00
3121	474363.09	3846377.25	1.15101	0.30087	1.2885	0.37952	8.77E-02	3.21E+00	1.42E-01	2.17E-02	3.46E+00	8.52E-02	1.36E-05	1.42E-02	4.25E-03	1.04E-01	9.56E-02	3.21E+00	1.42E-01	2.17E-02	3.47E+00
3122	474863.09	3846377.25	1.14636	0.46192	1.1887	0.30434	8.74E-02	4.93E+00	1.31E-01	1.74E-02	5.17E+00	8.49E-02	2.08E-05	1.31E-02	3.41E-03	1.01E-01	9.52E-02	4.93E+00	1.31E-01	1.74E-02	5.17E+00
3123	475363.09	3846377.25	1.35104	0.465	1.0334	0.5257	1.03E-01	4.96E+00	1.14E-01	3.01E-02	5.21E+00	1.00E-01	2.10E-05	1.14E-02	5.88E-03	1.17E-01	1.12E-01	4.96E+00	1.14E-01	3.01E-02	5.22E+00
3124	475863.09	3846377.25	1.35131	0.35972	0.8457	0.9235	1.03E-01	3.84E+00	9.35E-02	5.28E-02	4.09E+00	1.00E-01	1.62E-05	9.35E-03	1.03E-02	1.20E-01	1.12E-01	3.84E+00	9.35E-02	5.28E-02	4.10E+00
3125	476363.09	3846377.25	1.33345	0.28585	0.6515	0.79084	1.02E-01	3.05E+00	7.20E-02	4.52E-02	3.27E+00	9.87E-02	1.29E-05	7.20E-03	8.85E-03	1.15E-01	1.11E-01	3.05E+00	7.20E-02	4.52E-02	3.28E+00
3126	476863.09	3846377.25	1.35277	0.24302	0.5323	0.53077	1.03E-01	2.59E+00	5.88E-02	3.04E-02	2.79E+00	1.00E-01	1.10E-05	5.88E-03	5.94E-03	1.12E-01	1.12E-01	2.59E+00	5.88E-02	3.04E-02	2.79E+00
3127	477363.09	3846377.25	1.12333	0.27517	1.0786	0.32549	8.56E-02	2.94E+00	1.19E-01	1.86E-02	3.16E+00	8.32E-02	1.24E-05	1.19E-02	3.64E-03	9.87E-02	9.33E-02	2.94E+00	1.19E-01	1.86E-02	3.17E+00
3128	477863.09	3846377.25	0.73216	0.27877	2.036	0.32069	5.58E-02	2.97E+00	2.25E-01	1.83E-02	3.27E+00	5.42E-02	1.26E-05	2.25E-02	3.59E-03	8.03E-02	6.08E-02	2.97E+00	2.25E-01	1.83E-02	3.28E+00
3129	478363.09	3846377.25	0.83913	0.26354	2.1961	0.37815	6.40E-02	2.81E+00	2.43E-01	2.16E-02	3.14E+00	6.21E-02	1.19E-05	2.43E-02	4.23E-03	9.06E-02	6.97E-02	2.81E+00	2.43E-01	2.16E-02	3.15E+00
3130	478863.09	3846377.25	1.03714	0.21767	1.4587	0.3265	7.91E-02	2.32E+00	1.61E-01	1.87E-02	2.58E+00	7.68E-02	9.81E-06	1.61E-02	3.65E-03	9.66E-02	8.61E-02	2.32E+00	1.61E-01	1.87E-02	2.59E+00
3131	479363.09	3846377.25	0.86135	0.15817	0.7071	0.33238	6.57E-02	1.69E+00	7.82E-02	1.90E-02	1.85E+00	6.38E-02	7.13E-06	7.82E-03	3.72E-03	7.53E-02	7.15E-02	1.69E+00	7.82E-02	1.90E-02	1.86E+00
3132	479863.09	3846377.25	0.58733	0.15297	0.7571	0.32855	4.48E-02	1.63E+00	8.37E-02	1.88E-02	1.78E+00	4.35E-02	6.90E-06	8.37E-03	3.68E-03	5.55E-02	4.88E-02	1.63E+00	8.37E-02	1.88E-02	1.78E+00
3133	480363.09	3846377.25	0.41903	0.16707	0.7061	0.38707	3.19E-02	1.78E+00	7.81E-02	2.21E-02	1.92E+00	3.10E-02	7.53E-06	7.81E-03	4.33E-03	4.32E-02	3.48E-02	1.78E+00	7.81E-02	2.21E-02	1.92E+00
3134	480863.09	3846377.25	0.3404	0.14487	0.6754	0.42247	2.59E-02	1.55E+00	7.47E-02	2.42E-02	1.67E+00	2.52E-02	6.53E-06	7.47E-03	4.73E-03	3.74E-02	2.83E-02	1.55E+00	7.47E-02	2.42E-02	1.67E+00
3135	481363.09	3846377.25	0.32276	0.12626	0.7759	0.4324	2.46E-02	1.35E+00	8.58E-02	2.47E-02	1.48E+00	2.39E-02	5.69E-06	8.58E-03	4.84E-03	3.73E-02	2.68E-02	1.35E+00	8.58E-02	2.47E-02	1.48E+00
3136	481863.09	3846377.25	0.35586	0.23198	0.8257	0.42359	2.71E-02	2.48E+00	9.13E-02	2.42E-02	2.62E+00	2.63E-02	1.05E-05	9.13E-03	4.74E-03	4.02E-02	2.95E-02	2.48E+00	9.13E-02	2.42E-02	2.62E+00
3137	482363.09	3846377.25	0.43959	0.32092	0.8224	0.40573	3.35E-02	3.42E+00	9.09E-02	2.32E-02	3.57E+00	3.25E-02	1.45E-05	9.09E-03	4.54E-03	4.62E-02	3.65E-02	3.42E+00	9.09E-02	2.32E-02	3.58E+00
3138	482863.09	3846377.25	0.36305	0.28653	1.0632	0.38374	2.77E-02	3.06E+00	1.18E-01	2.19E-02	3.22E+00	2.69E-02	1.29E-05	1.18E-02	4.30E-03	4.29E-02	3.01E-02	3.06E+00	1.18E-01	2.19E-02	3.23E+00
3139	483363.09	3846377.25	0.20476	0.21416	1.3118	0.35722	1.56E-02	2.29E+00	1.45E-01	2.04E-02	2.47E+00	1.52E-02	9.65E-06	1.45E-02	4.00E-03	3.37E-02	1.70E-02	2.29E+00	1.45E-01	2.04E-02	2.47E+00
3140	483863.09	3846377.25	0.57914	0.15473	1.5154	0.32251	4.41E-02	1.65E+00	1.68E-01	1.84E-02	1.88E+00	4.29E-02	6.98E-06	1.68E-02	3.61E-03	6.32E-02	4.81E-02	1.65E+00	1.68E-01	1.84E-02	1.89E+00
3141	484363.09	3846377.25	0.66283	0.1436	1.6702	0.34186	5.05E-02	1.53E+00	1.85E-01	1.95E-02	1.79E+00	4.91E-02	6.47E-06	1.85E-02	3.83E-03	7.14E-02	5.50E-02	1.53E+00	1.85E-01	1.95E-02	1.79E+00
3142	484863.09	3846377.25	0.65211	0.24957	1.5601	0.36912	4.97E-02	2.66E+00	1.72E-01	2.11E-02	2.91E+00	4.83E-02	1.13E-05	1.72E-02	4.13E-03	6.97E-02	5.41E-02	2.66E+00	1.72E-01	2.11E-02	2.91E+00
3143	485363.09	3846377.25	0.51362	0.2946	1.1949	0.31641	3.91E-02	3.14E+00	1.32E-01	1.81E-02	3.33E+00	3.80E-02	1.33E-05	1.32E-02	3.54E-03	5.48E-02	4.26E-02	3.14E+00	1.32E-01	1.81E-02	3.34E+00
3144	485863.09	3846377.25	0.27395	0.27207	0.9091	0.24499	2.09E-02	2.90E+00	1.01E-01	1.40E-02	3.04E+00	2.03E-02	1.23E-05	1.01E-02	2.74E-03	3.31E-02	2.27E-02	2.90E+00	1.01E-01	1.40E-02	3.04E+00
3145	486363.09	3846377.25	0.23382	0.32517	0.9697	0.24337	1.78E-02	3.47E+00	1.07E-01	1.39E-02	3.61E+00	1.73E-02	1.47E-05	1.07E-02	2.72E-03	3.08E-02	1.94E-02	3.47E+00	1.07E-01	1.39E-02	3.61E+00
3146	486863.09	3846377.25	0.19979	0.29305	0.9344	0.24918	1.52E-02	3.13E+00	1.03E-01	1.42E-02	3.26E+00	1.48E-02	1.32E-05	1.03E-02	2.79E-03	2.79E-02	1.66E-02	3.13E+00	1.03E-01	1.42E-02	3.26E+00
3147	487363.09	3846377.25	0.18024	0.12823	1.1478	0.25533	1.37E-02	1.37E+00	1.27E-01	1.46E-02	1.52E+00	1.33E-02	5.78E-06	1.27E-02	2.86E-03	2.89E-02	1.50E-02	1.37E+00	1.27E-01	1.46E-02	1.52E+00
3148	487863.09	3846377.25	0.12803	0.12876	1.2697	0.34222	9.76E-03	1.37E+00	1.40E-01	1.96E-02	1.54E+00	9.48E-03	5.80E-06	1.40E-02	3.83E-03	2.74E-02	1.06E-02	1.37E+00	1.40E-01	1.96E-02	1.54E+00
3149	488363.09	3846377.25	0.14095	0.11415	1.8439	0.41954	1.07E-02	1.22E+00	2.04E-01	2.40E-02	1.46E+00	1.04E-02	5.15E-06	2.04E-02	4.70E-03	3.55E-02	1.17E-02	1.22E+00	2.04E-01	2.40E-02	1.46E+00
3150	488863.09	3846377.25	0.14366	0.13868	2.278	0.45714	1.09E-02	1.48E+00	2.52E-01	2.61E-02	1.77E+00	1.06E-02	6.25E-06	2.52E-02	5.12E-03	4.09E-02	1.19E-02	1.48E+00	2.52E-01	2.61E-02	1.77E+00
3151	489363.09	3846377.25	0.14236	0.14177	1.9479	0.41103	1.09E-02	1.51E+00	2.15E-01	2.35E-02	1.76E+00	1.05E-02	6.39E-06	2.15E-02	4.60E-03	3.67E-02	1.18E-02	1.51E+00	2.15E-01	2.35E-02	1.76E+00
3152	489863.09	3846377.25	0.13513	0.10033	1.1419	0.27942	1.03E-02	1.07E+00	1.26E-01	1.60E-02	1.22E+00	1.00E-02	4.52E-06	1.26E-02	3.13E-03	2.58E-02	1.12E-02	1.07E+00	1.26E-01	1.60E-02	1.22E+00
3153	490363.09	3846377.25	0.11792	0.12731	1.0258	0.18521	8.99E-03	1.36E+00	1.13E-01	1.06E-02	1.49E+00	8.73E-03	5.74E-06	1.13E-02	2.07E-03	2.22E-02	9.79E-03	1.36E+00	1.13E-01	1.06E-02	1.49E+00
3154	490863.09	3846377.25	0.13055	0.14533	0.9582	0.18633	9.95E-03	1.55E+00	1.06E-01	1.07E-02	1.68E+00	9.67E-03	6.55E-06	1.06E-02	2.09E-03	2.24E-02	1.08E-02	1.55E+00	1.06E-01	1.07E-02	1.68E+00
3155	491363.09	3846377.25	0.18654	0.17018	1.1539	0.20667	1.42E-02	1.82E+00	1.28E-01	1.18E-02	1.97E+00	1.38E-02	7.67E-06	1.28E-02	2.31E-03	2.89E-02	1.55E-02	1.82E+00	1.28E-01	1.18E-02	1.97E+00
3156	491863.09	3846377.25	0.33374	0.18856	1.2427	0.23192	2.54E-02	2.01E+00	1.37E-01	1.33E-02	2.19E+00	2.47E-02	8.50E-06	1.37E-02	2.60E-03	4.11E-02	2.77E-02	2.01E+00	1.37E-01	1.33E-02	2.19E+00
3157	492363.09	3846377.25	0.40534	0.18533	0.9551	0.22649	3.09E-02	1.98E+00	1.06E-01	1.30E-02	2.13E+00	3.00E-02	8.35E-06	1.06E-02	2.54E-03	4.31E-02	3.37E-02	1.98E+00	1.06E-01	1.30E-02	2.13E+00
3158	492863.09	3846377.25	0.42031	0.16167	0.8769	0.19986	3.20E-02	1.73E+00	9.69E-02	1.14E-02	1.87E+00	3.11E-02	7.29E-06	9.69E-03	2.24E-03	4.31E-02	3.49E-02	1.73E+00	9.69E-02	1.14E-02	1.87E+00
3159	493363.09	3846377.25	0.42065	0.13033	0.7392	0.17959	3.21E-02	1.39E+00	8.17E-02	1.03E-02	1.51E+00	3.11E-02	5.88E-06	8.17E-03	2.01E-03	4.13E-02	3.49E-02	1.39E+00	8.17E-02	1.03E-02	1.52E+00
3160	493863.09	3846377.25	0.4178	0.10152	0.8858	0.16582	3.18E-02	1.08E+00	9.79E-02	9.48E-03	1.22E+00	3.09E-02	4.58E-06	9.79E-03	1.86E-03	4.26E-02	3.47E-02	1.08E+00	9.79E-02	9.48E-03	1.23E+00
3161	494363.09	3846377.25	0.401	0.08143	1.0543	0.16969	3.06E-02	8.69E-01	1.17E-01	9.70E-03	1.03E+00	2.97E-02	3.67E-06	1.17E-02	1.90E-03	4.32E-02	3.33E-02	8.69E-01	1.17E-01	9.70E-03	1.03E+00
3162	494863.09	3846377.25	0.335	0.08278	1.0939	0.1802	2.55E-02	8.83E-01	1.21E-01	1.03E-02	1.04E+00	2.48E-02	3.73E-06	1.21E-02	2.02E-03	3.89E-02	2.78E-02	8.83E-01	1.21E-01	1.03E-02	1.04E+00
3163	495363.09	3846377.25	0.20783	0.11411	0.9952	0.18946	1.58E-02	1.22E+00	1.10E-01	1.08E-02	1.35E+00	1.54E-02	5.14E-06	1.10E-02	2.12E-03	2.85E-02	1.73E-02	1.22E+00	1.10E-01	1.08E-02	1.36E+00
3164	495863.09	3846377.25	0.11258	0.16066	0.8546	0.21242	8.58E-03	1.71E+00	9.45E-02	1.21E-02	1.83E+00	8.33E-03	7.24E-06	9.45E-03	2.38E-03	2.02E-02	9.35E-03	1.71E+00	9.45E-02	1.21E-02	1.83E+00
3165	496363.09	3846377.25	0.1285	0.19179	1.1924	0.22941	9.79E-03	2.05E+00	1.32E-01	1.31E-02	2.20E+00	9.51E-03	8.65E-06	1.32E-02	2.57E-03	2.53E-02	1.07E-02	2.05E+00	1.32E-01	1.31E-02	2.20E+00
3166	496863.09	3846377.25	0.15938	0.19283	1.4213	0.2385	1.21E-02	2.06E+00	1.57E-01	1.36E-02	2.24E+00	1.18E-02	8.69E-06	1.57E-02	2.67E-03	3.02E-02	1.32E-02	2.06E+00	1.57E-01	1.36E-02	2.24E+00
3167	497363.09	3846377.25	0.18129	0.18902	1.4304	0.23901	1.38E-02	2.02E+00	1.58E-01	1.37E-02	2.20E+00	1.34E-02	8.52E-06	1.58E-02	2.68E-03	3.19E-02	1.51E-02	2.02E+00	1.58E-01	1.37E-02	2.20E+00
3168	497863.09	3846377.25	0.18764	0.21254	1.2286	0.23187	1.43E-02	2.27E+00	1.36E-01	1.33E-02	2.43E+00	1.39E-02	9.58E-06	1.36E-02	2.60E-03	3.01E-02	1.56E-02	2.27E+00	1.36E-01	1.33E-02	2.43E+00

3169	498363.09	3846377.25	0.18943	0.24162	1.0295	0.2263	1.44E-02	2.58E+00	1.14E-01	1.29E-02	2.72E+00	1.40E-02	1.09E-05	1.14E-02	2.53E-03	2.80E-02	1.57E-02	2.58E+00	1.14E-01	1.29E-02	2.72E+00
3170	471363.09	3846877.25	1.19941	0.58774	0.7117	0.53451	9.14E-02	6.27E+00	7.87E-02	3.06E-02	6.47E+00	8.88E-02	2.65E-05	7.87E-03	5.98E-03	1.03E-01	9.96E-02	6.27E+00	7.87E-02	3.06E-02	6.48E+00
3171	471863.09	3846877.25	1.18522	0.56796	0.7162	0.59399	9.03E-02	6.06E+00	7.92E-02	3.40E-02	6.26E+00	8.77E-02	2.56E-05	7.92E-03	6.65E-03	1.02E-01	9.84E-02	6.06E+00	7.92E-02	3.40E-02	6.27E+00
3172	472363.09	3846877.25	1.19	0.56396	0.8792	0.63246	9.07E-02	6.02E+00	9.72E-02	3.62E-02	6.24E+00	8.81E-02	2.54E-05	9.72E-03	7.08E-03	1.05E-01	9.88E-02	6.02E+00	9.72E-02	3.62E-02	6.25E+00
3173	472863.09	3846877.25	0.549	0.43636	1.0425	0.6424	4.18E-02	4.66E+00	1.15E-01	3.67E-02	4.85E+00	4.06E-02	1.97E-05	1.15E-02	7.19E-03	5.94E-02	4.56E-02	4.66E+00	1.15E-01	3.67E-02	4.85E+00
3174	473363.09	3846877.25	0.70138	0.42449	1.1962	0.61799	5.35E-02	4.53E+00	1.32E-01	3.53E-02	4.75E+00	5.19E-02	1.91E-05	1.32E-02	6.92E-03	7.21E-02	5.82E-02	4.53E+00	1.32E-01	3.53E-02	4.76E+00
3175	473863.09	3846877.25	0.89807	0.32056	1.3125	0.563	6.85E-02	3.42E+00	1.45E-01	3.22E-02	3.67E+00	6.65E-02	1.45E-05	1.45E-02	6.30E-03	8.73E-02	7.46E-02	3.42E+00	1.45E-01	3.22E-02	3.67E+00
3176	474363.09	3846877.25	0.97528	0.30211	1.3691	0.48666	7.43E-02	3.22E+00	1.51E-01	2.78E-02	3.48E+00	7.22E-02	1.36E-05	1.51E-02	5.45E-03	9.28E-02	8.10E-02	3.22E+00	1.51E-01	2.78E-02	3.48E+00
3177	474863.09	3846877.25	1.20178	0.36525	1.3519	0.40161	9.16E-02	3.90E+00	1.49E-01	2.30E-02	4.16E+00	8.90E-02	1.65E-05	1.49E-02	4.50E-03	1.08E-01	9.98E-02	3.90E+00	1.49E-01	2.30E-02	4.17E+00
3178	475363.09	3846877.25	1.28844	0.46481	1.2579	0.32026	9.82E-02	4.96E+00	1.39E-01	1.83E-02	5.22E+00	9.54E-02	2.10E-05	1.39E-02	3.59E-03	1.13E-01	1.07E-01	4.96E+00	1.39E-01	1.83E-02	5.22E+00
3179	475863.09	3846877.25	1.53389	0.49306	1.1002	0.68526	1.17E-01	5.26E+00	1.22E-01	3.92E-02	5.54E+00	1.14E-01	2.22E-05	1.22E-02	7.67E-03	1.33E-01	1.27E-01	5.26E+00	1.22E-01	3.92E-02	5.55E+00
3180	476363.09	3846877.25	1.48569	0.37266	0.9018	1.03382	1.13E-01	3.98E+00	9.97E-02	5.91E-02	4.25E+00	1.10E-01	1.68E-05	9.97E-03	1.16E-02	1.32E-01	1.23E-01	3.98E+00	9.97E-02	5.91E-02	4.26E+00
3181	476863.09	3846877.25	1.44438	0.38824	0.6932	0.83612	1.10E-01	4.14E+00	7.66E-02	4.78E-02	4.38E+00	1.07E-01	1.75E-05	7.66E-03	9.36E-03	1.24E-01	1.20E-01	4.14E+00	7.66E-02	4.78E-02	4.39E+00
3182	477363.09	3846877.25	1.51423	0.26013	0.5502	0.58287	1.15E-01	2.78E+00	6.08E-02	3.33E-02	2.99E+00	1.12E-01	1.17E-05	6.08E-03	6.52E-03	1.25E-01	1.26E-01	2.78E+00	6.08E-02	3.33E-02	3.00E+00
3183	477863.09	3846877.25	1.1341	0.31073	1.3192	0.32256	8.64E-02	3.32E+00	1.46E-01	1.84E-02	3.57E+00	8.40E-02	1.40E-05	1.46E-02	3.61E-03	1.02E-01	9.42E-02	3.32E+00	1.46E-01	1.84E-02	3.57E+00
3184	478363.09	3846877.25	0.82021	0.27845	2.672	0.50756	6.25E-02	2.97E+00	2.95E-01	2.90E-02	3.36E+00	6.07E-02	1.26E-05	2.95E-02	5.68E-03	9.60E-02	6.81E-02	2.97E+00	2.95E-01	2.90E-02	3.36E+00
3185	478863.09	3846877.25	1.03442	0.28776	3.0865	0.47958	7.88E-02	3.07E+00	3.41E-01	2.74E-02	3.52E+00	7.66E-02	1.30E-05	3.41E-02	5.37E-03	1.16E-01	8.59E-02	3.07E+00	3.41E-01	2.74E-02	3.53E+00
3186	479363.09	3846877.25	1.12966	0.19968	1.5648	0.34228	8.61E-02	2.13E+00	1.73E-01	1.96E-02	2.41E+00	8.36E-02	9.00E-06	1.73E-02	3.83E-03	1.05E-01	9.38E-02	2.13E+00	1.73E-01	1.96E-02	2.42E+00
3187	479863.09	3846877.25	0.74379	0.158	0.7301	0.33923	5.67E-02	1.69E+00	8.07E-02	1.94E-02	1.84E+00	5.51E-02	7.12E-06	8.07E-03	3.80E-03	6.69E-02	6.18E-02	1.69E+00	8.07E-02	1.94E-02	1.85E+00
3188	480363.09	3846877.25	0.41459	0.16642	0.7819	0.37934	3.16E-02	1.78E+00	8.64E-02	2.17E-02	1.92E+00	3.07E-02	7.50E-06	8.64E-03	4.25E-03	4.36E-02	3.44E-02	1.78E+00	8.64E-02	2.17E-02	1.92E+00
3189	480863.09	3846877.25	0.33726	0.15576	0.6712	0.42549	2.57E-02	1.66E+00	7.42E-02	2.43E-02	1.79E+00	2.50E-02	7.02E-06	7.42E-03	4.76E-03	3.72E-02	2.80E-02	1.66E+00	7.42E-02	2.43E-02	1.79E+00
3190	481363.09	3846877.25	0.24998	0.12777	0.7489	0.4432	1.91E-02	1.36E+00	8.28E-02	2.53E-02	1.49E+00	1.85E-02	5.76E-06	8.28E-03	4.96E-03	3.18E-02	2.08E-02	1.36E+00	8.28E-02	2.53E-02	1.49E+00
3191	481863.09	3846877.25	0.34941	0.20934	0.8354	0.4373	2.66E-02	2.23E+00	9.24E-02	2.50E-02	2.38E+00	2.59E-02	9.44E-06	9.24E-03	4.90E-03	4.00E-02	2.90E-02	2.23E+00	9.24E-02	2.50E-02	2.38E+00
3192	482363.09	3846877.25	0.43676	0.32163	0.8566	0.41943	3.33E-02	3.43E+00	9.47E-02	2.40E-02	3.58E+00	3.23E-02	1.45E-05	9.47E-03	4.70E-03	4.65E-02	3.63E-02	3.43E+00	9.47E-02	2.40E-02	3.59E+00
3193	482863.09	3846877.25	0.40962	0.29742	0.9984	0.39831	3.12E-02	3.17E+00	1.10E-01	2.28E-02	3.34E+00	3.03E-02	1.34E-05	1.10E-02	4.46E-03	4.58E-02	3.40E-02	3.17E+00	1.10E-01	2.28E-02	3.34E+00
3194	483363.09	3846877.25	0.28718	0.22631	1.2506	0.37395	2.19E-02	2.42E+00	1.38E-01	2.14E-02	2.60E+00	2.13E-02	1.02E-05	1.38E-02	4.19E-03	3.93E-02	2.38E-02	2.42E+00	1.38E-01	2.14E-02	2.60E+00
3195	483863.09	3846877.25	0.55455	0.16781	1.5068	0.34224	4.23E-02	1.79E+00	1.67E-01	1.96E-02	2.02E+00	4.11E-02	7.56E-06	1.67E-02	3.83E-03	6.16E-02	4.60E-02	1.79E+00	1.67E-01	1.96E-02	2.02E+00
3196	484363.09	3846877.25	0.66344	0.13826	1.6004	0.34573	5.06E-02	1.48E+00	1.77E-01	1.98E-02	1.72E+00	4.91E-02	6.23E-06	1.77E-02	3.87E-03	7.07E-02	5.51E-02	1.48E+00	1.77E-01	1.98E-02	1.73E+00
3197	484863.09	3846877.25	0.65751	0.23665	1.7221	0.37435	5.01E-02	2.53E+00	1.90E-01	2.14E-02	2.79E+00	4.87E-02	1.07E-05	1.90E-02	4.19E-03	7.19E-02	5.46E-02	2.53E+00	1.90E-01	2.14E-02	2.79E+00
3198	485363.09	3846877.25	0.55122	0.29827	1.2389	0.31414	4.20E-02	3.18E+00	1.37E-01	1.80E-02	3.38E+00	4.08E-02	1.34E-05	1.37E-02	3.52E-03	5.80E-02	4.58E-02	3.18E+00	1.37E-01	1.80E-02	3.38E+00
3199	485863.09	3846877.25	0.28733	0.26994	0.9569	0.24443	2.19E-02	2.88E+00	1.06E-01	1.40E-02	3.02E+00	2.13E-02	1.22E-05	1.06E-02	2.74E-03	3.46E-02	2.39E-02	2.88E+00	1.06E-01	1.40E-02	3.02E+00
3200	486363.09	3846877.25	0.27587	0.31925	1.0075	0.24407	2.10E-02	3.41E+00	1.11E-01	1.40E-02	3.55E+00	2.04E-02	1.44E-05	1.11E-02	2.73E-03	3.43E-02	2.29E-02	3.41E+00	1.11E-01	1.40E-02	3.56E+00
3201	486863.09	3846877.25	0.20514	0.31034	0.9519	0.25309	1.56E-02	3.31E+00	1.05E-01	1.45E-02	3.45E+00	1.52E-02	1.40E-05	1.05E-02	2.83E-03	2.86E-02	1.70E-02	3.31E+00	1.05E-01	1.45E-02	3.45E+00
3202	487363.09	3846877.25	0.17875	0.14541	1.1832	0.262	1.36E-02	1.55E+00	1.31E-01	1.50E-02	1.71E+00	1.32E-02	6.55E-06	1.31E-02	2.93E-03	2.93E-02	1.48E-02	1.55E+00	1.31E-01	1.50E-02	1.71E+00
3203	487863.09	3846877.25	0.13572	0.13012	1.3162	0.35646	1.03E-02	1.39E+00	1.46E-01	2.04E-02	1.56E+00	1.00E-02	5.87E-06	1.46E-02	3.99E-03	2.86E-02	1.13E-02	1.39E+00	1.46E-01	2.04E-02	1.57E+00
3204	488363.09	3846877.25	0.14267	0.11566	1.9299	0.43252	1.09E-02	1.23E+00	2.13E-01	2.47E-02	1.48E+00	1.06E-02	5.21E-06	2.13E-02	4.84E-03	3.67E-02	1.18E-02	1.23E+00	2.13E-01	2.47E-02	1.48E+00
3205	488863.09	3846877.25	0.14515	0.14358	2.3527	0.46636	1.11E-02	1.53E+00	2.60E-01	2.67E-02	1.83E+00	1.07E-02	6.47E-06	2.60E-02	5.22E-03	4.20E-02	1.21E-02	1.53E+00	2.60E-01	2.67E-02	1.83E+00
3206	489363.09	3846877.25	0.14143	0.13837	1.9386	0.43202	1.08E-02	1.48E+00	2.14E-01	2.47E-02	1.73E+00	1.05E-02	6.24E-06	2.14E-02	4.84E-03	3.67E-02	1.17E-02	1.48E+00	2.14E-01	2.47E-02	1.73E+00
3207	489863.09	3846877.25	0.13133	0.12451	1.5586	0.33275	1.00E-02	1.33E+00	1.72E-01	1.90E-02	1.53E+00	9.72E-03	5.61E-06	1.72E-02	3.72E-03	3.07E-02	1.09E-02	1.33E+00	1.72E-01	1.90E-02	1.53E+00
3208	490363.09	3846877.25	0.12805	0.14137	1.2578	0.21384	9.76E-03	1.51E+00	1.39E-01	1.22E-02	1.67E+00	9.48E-03	6.37E-06	1.39E-02	2.39E-03	2.58E-02	1.06E-02	1.51E+00	1.39E-01	1.22E-02	1.67E+00
3209	490863.09	3846877.25	0.15133	0.1658	1.1914	0.2036	1.15E-02	1.77E+00	1.32E-01	1.16E-02	1.92E+00	1.12E-02	7.47E-06	1.32E-02	2.28E-03	2.67E-02	1.26E-02	1.77E+00	1.32E-01	1.16E-02	1.93E+00
3210	491363.09	3846877.25	0.31078	0.18837	1.3147	0.22809	2.37E-02	2.01E+00	1.45E-01	1.30E-02	2.19E+00	2.30E-02	8.49E-06	1.45E-02	2.55E-03	4.01E-02	2.58E-02	2.01E+00	1.45E-01	1.30E-02	2.19E+00
3211	491863.09	3846877.25	0.40016	0.19052	1.1776	0.23577	3.05E-02	2.03E+00	1.30E-01	1.35E-02	2.21E+00	2.96E-02	8.59E-06	1.30E-02	2.64E-03	4.53E-02	3.32E-02	2.03E+00	1.30E-01	1.35E-02	2.21E+00
3212	492363.09	3846877.25	0.42037	0.16983	1.0065	0.25613	3.20E-02	1.81E+00	1.11E-01	1.46E-02	1.97E+00	3.11E-02	7.66E-06	1.11E-02	2.87E-03	4.51E-02	3.49E-02	1.81E+00	1.11E-01	1.46E-02	1.97E+00
3213	492863.09	3846877.25	0.42115	0.13821	0.8688	0.21683	3.21E-02	1.47E+00	9.61E-02	1.24E-02	1.62E+00	3.12E-02	6.23E-06	9.61E-03	2.43E-03	4.32E-02	3.50E-02	1.47E+00	9.61E-02	1.24E-02	1.62E+00
3214	493363.09	3846877.25	0.41921	0.10798	0.8045	0.17153	3.20E-02	1.15E+00	8.90E-02	9.81E-03	1.28E+00	3.10E-02	4.87E-06	8.90E-03	1.92E-03	4.19E-02	3.48E-02	1.15E+00	8.90E-02	9.81E-03	1.29E+00
3215	493863.09	3846877.25	0.40911	0.08442	1.0279	0.1755	3.12E-02	9.01E-01	1.14E-01	1.00E-02	1.06E+00	3.03E-02	3.81E-06	1.14E-02	1.96E-03	4.36E-02	3.40E-02	9.01E-01	1.14E-01	1.00E-02	1.06E+00
3216	494363.09	3846877.25	0.35888	0.07893	1.137	0.17738	2.74E-02	8.42E-01	1.26E-01	1.01E-02	1.01E+00	2.66E-02	3.56E-06	1.26E-02	1.99E-03	4.11E-02	2.98E-02	8.42E-01	1.26E-01	1.01E-02	1.01E+00
3217	494863.09	3846877.25	0.23941	0.10422	1.0898	0.20238	1.82E-02	1.11E+00	1.20E-01	1.16E-02	1.26E+00	1.77E-02	4.70E-06	1.20E-02	2.27E-03	3.20E-02	1.99E-02	1.11E+00	1.20E-01	1.16E-02	1.26E+00
3218	495363.09	3846877.25	0.11749	0.15131	0.9166	0.22634	8.96E-03	1.61E+00	1.01E-01	1.29E-02	1.74E+00	8.70E-03	6.82E-06	1.01E-02	2.53E-03	2.14E-02	9.75E-03	1.61E+00	1.01E-01	1.29E-02	1.74E+00
3219	495863.09	3846877.25	0.13255	0.1894	1.1454	0.24306	1.01E-02	2.02E+00	1.27E-01	1.39E-02	2.17E+00	9.81E-03	8.54E-06	1.27E-02	2.72E-03	2.52E-02	1.10E-02	2.02E+00	1.27E-01	1.39E-02	2.17E+00
3220	496363.09	3846877.25	0.17159	0.19547	1.4351	0.25041	1.31E-02	2.09E+00	1.59E-01	1.43E-02	2.27E+00	1.27E-02	8.81E-06	1.59E-02	2.80E-03	3.14E-02	1.42E-02	2.09E+00	1.59E-01	1.43E-02	2.27E+00
3221	496863.09	3846877.25	0.1858	0.18676	1.5023	0.24796	1.42E-02	1.99E+00	1.66E-01	1.42E-02	2.19E+00	1.38E-02	8.42E-06	1.66E-02	2.78E-03	3.31E-02	1.54E-02	1.99E+00	1.66E-01	1.42E-02	2.19E+00
3222	497363.09	3846877.25	0.18928	0.20403	1.3226	0.23721	1.44E-02	2.18E+00	1.46E-01	1.36E-02	2.35E+00	1.40E-02	9.20E-06	1.46E-02	2.66E-03	3.13E-02	1.57E-02	2.18E+00	1.46E-01	1.36E-02	2.35E+00
3223	497863.09	3846877.25	0.19061	0.23938	1.0876	0.23034	1.45E-02	2.55E+00	1.20E-01	1.32E-02	2.70E+00	1.41E-02	1.08E-05	1.20E-02	2.58E-03	2.87E-02	1.58E-02	2.55E+00	1.20E-01	1.32E-02	2.70E+00
3224	498363.09	3846877.25	0.19184	0.23896	1.2146	0.22573	1.46E-02	2.55E+00	1.34E-01	1.29E-02	2.71E+00	1.42E-02	1.08E-05	1.34E-02	2.53E-03	3.02E-02	1.59E-02	2.55E+00	1.34E-01	1.29E-02	2.71E+00
3225	471363.09	3847377.25	1.13811	0.58249	0.727	0.45591	8.67E-02	6.22E+00	8.04E-02	2.61E-02	6.41E+00	8.43E-02	2.63E-05	8.04E-03	5.10E-03	9.74E-02	9.45E-02	6.22E+00	8.04E-02	2.61E-02	6.42E+00
3226	471863.09	3847377.25	1.27845	0.62388	0.7507	0.53417	9.74E-02	6.66E+00	8.30E-02	3.05E-02	6.87E+00	9.46E-02	2.81E-05	8.30E-03	5.98E-03	1.09E-01	1.06E-01	6.66E+00	8.30E-02	3.05E-02	6.88E+00
3227	472363.09	3847377.25	1.33031	0.61124	0.7041	0.60288	1.01E-01	6.52E+00	7.78E-02	3.45E-02	6.74E+00	9.85E-02	2.76E-05	7.78E-03	6.75E-03	1.13E-01	1.10E-01	6.52E+00	7.78E-02	3.45E-02	6.75E+00
3228	472863.09	3847377.25	1.05177	0.57112	0.8519	0.65101	8.02E-02	6.09E+00	9.42E-02	3.72E-02	6.31E+00	7.79E-02	2.57E-05	9.42E-03	7.29E-03	9.46E-02	8.73E-02	6.09E+00	9.42E-02	3.72E-02	6.31E+00
3229	473363.09	3847377.25	1.05385	0.52767	1.029	0.66977	8.03E-02	5.63E+00	1.14E-01	3.83E-02	5.86E+00	7.80E-02	2.38E-05	1.14E-02	7.50E-03	9.69E-02	8.75E-02	5.63E+00	1.14E-01	3.83E-02	5.87E+00

3230	473863.09	3847377.25	0.96924	0.55743	1.2002	0.65107	7.39E-02	5.95E+00	1.33E-01	3.72E-02	6.19E+00	7.18E-02	2.51E-05	1.33E-02	7.29E-03	9.23E-02	8.05E-02	5.95E+00	1.33E-01	3.72E-02	6.20E+00
3231	474363.09	3847377.25	1.05313	0.41365	1.3386	0.59703	8.03E-02	4.41E+00	1.48E-01	3.41E-02	4.68E+00	7.80E-02	1.86E-05	1.48E-02	6.68E-03	9.95E-02	8.74E-02	4.41E+00	1.48E-01	3.41E-02	4.68E+00
3232	474863.09	3847377.25	1.03039	0.34673	1.4171	0.51725	7.85E-02	3.70E+00	1.57E-01	2.96E-02	3.96E+00	7.63E-02	1.56E-05	1.57E-02	5.79E-03	9.78E-02	8.55E-02	3.70E+00	1.57E-01	2.96E-02	3.97E+00
3233	475363.09	3847377.25	1.27539	0.37902	1.4171	0.4259	9.72E-02	4.04E+00	1.57E-01	2.44E-02	4.32E+00	9.44E-02	1.71E-05	1.57E-02	4.77E-03	1.15E-01	1.06E-01	4.04E+00	1.57E-01	2.44E-02	4.33E+00
3234	475863.09	3847377.25	1.55112	0.55526	1.3327	0.33746	1.18E-01	5.93E+00	1.47E-01	1.93E-02	6.21E+00	1.15E-01	2.50E-05	1.47E-02	3.78E-03	1.33E-01	1.29E-01	5.93E+00	1.47E-01	1.93E-02	6.22E+00
3235	476363.09	3847377.25	1.85612	0.58245	1.1736	0.95755	1.41E-01	6.22E+00	1.30E-01	5.48E-02	6.54E+00	1.37E-01	2.63E-05	1.30E-02	1.07E-02	1.61E-01	1.54E-01	6.22E+00	1.30E-01	5.48E-02	6.55E+00
3236	476863.09	3847377.25	1.65455	0.39454	0.9635	1.15982	1.26E-01	4.21E+00	1.07E-01	6.63E-02	4.51E+00	1.22E-01	1.78E-05	1.07E-02	1.30E-02	1.46E-01	1.37E-01	4.21E+00	1.07E-01	6.63E-02	4.52E+00
3237	477363.09	3847377.25	1.66582	0.44481	0.7393	0.94357	1.27E-01	4.75E+00	8.17E-02	5.40E-02	5.01E+00	1.23E-01	2.01E-05	8.17E-03	1.06E-02	1.42E-01	1.38E-01	4.75E+00	8.17E-02	5.40E-02	5.02E+00
3238	477863.09	3847377.25	1.68731	0.54394	0.5694	0.62603	1.29E-01	5.80E+00	6.30E-02	3.58E-02	6.03E+00	1.25E-01	2.45E-05	6.30E-03	7.01E-03	1.38E-01	1.40E-01	5.80E+00	6.30E-02	3.58E-02	6.04E+00
3239	478363.09	3847377.25	1.29763	0.56186	1.7737	0.55222	9.89E-02	6.00E+00	1.96E-01	3.16E-02	6.32E+00	9.61E-02	2.53E-05	1.96E-02	6.18E-03	1.22E-01	1.08E-01	6.00E+00	1.96E-01	3.16E-02	6.33E+00
3240	478863.09	3847377.25	1.08416	0.55444	5.0079	1.47257	8.26E-02	5.92E+00	5.54E-01	8.42E-02	6.64E+00	8.03E-02	2.50E-05	5.54E-02	1.65E-02	1.52E-01	9.00E-02	5.92E+00	5.54E-01	8.42E-02	6.64E+00
3241	479363.09	3847377.25	1.02689	0.24435	3.5666	0.48554	7.83E-02	2.61E+00	3.94E-01	2.78E-02	3.11E+00	7.60E-02	1.10E-05	3.94E-02	5.44E-03	1.21E-01	8.53E-02	2.61E+00	3.94E-01	2.78E-02	3.11E+00
3242	479863.09	3847377.25	1.03549	0.17907	0.8229	0.35461	7.89E-02	1.91E+00	9.10E-02	2.03E-02	2.10E+00	7.67E-02	8.07E-06	9.10E-03	3.97E-03	8.97E-02	8.60E-02	1.91E+00	9.10E-02	2.03E-02	2.11E+00
3243	480363.09	3847377.25	0.32455	0.1563	0.768	0.36636	2.47E-02	1.67E+00	8.49E-02	2.09E-02	1.80E+00	2.40E-02	7.05E-06	8.49E-03	4.10E-03	3.66E-02	2.69E-02	1.67E+00	8.49E-02	2.09E-02	1.80E+00
3244	480863.09	3847377.25	0.31181	0.16696	0.788	0.42433	2.38E-02	1.78E+00	8.71E-02	2.43E-02	1.92E+00	2.31E-02	7.53E-06	8.71E-03	4.75E-03	3.66E-02	2.59E-02	1.78E+00	8.71E-02	2.43E-02	1.92E+00
3245	481363.09	3847377.25	0.26276	0.13408	0.7018	0.45222	2.00E-02	1.43E+00	7.76E-02	2.59E-02	1.55E+00	1.95E-02	6.04E-06	7.76E-03	5.06E-03	3.23E-02	2.18E-02	1.43E+00	7.76E-02	2.59E-02	1.56E+00
3246	481863.09	3847377.25	0.3704	0.18333	0.823	0.4516	2.82E-02	1.96E+00	9.10E-02	2.58E-02	2.10E+00	2.74E-02	8.26E-06	9.10E-03	5.06E-03	4.16E-02	3.08E-02	1.96E+00	9.10E-02	2.58E-02	2.10E+00
3247	482363.09	3847377.25	0.41229	0.31979	0.8868	0.43399	3.14E-02	3.41E+00	9.80E-02	2.48E-02	3.57E+00	3.05E-02	1.44E-05	9.80E-03	4.86E-03	4.52E-02	3.42E-02	3.41E+00	9.80E-02	2.48E-02	3.57E+00
3248	482863.09	3847377.25	0.44278	0.30676	0.92	0.41248	3.37E-02	3.27E+00	1.02E-01	2.36E-02	3.43E+00	3.28E-02	1.38E-05	1.02E-02	4.62E-03	4.76E-02	3.68E-02	3.27E+00	1.02E-01	2.36E-02	3.44E+00
3249	483363.09	3847377.25	0.32084	0.23855	1.1984	0.38985	2.45E-02	2.55E+00	1.32E-01	2.23E-02	2.72E+00	2.38E-02	1.08E-05	1.32E-02	4.36E-03	4.14E-02	2.66E-02	2.55E+00	1.32E-01	2.23E-02	2.73E+00
3250	483863.09	3847377.25	0.52401	0.18158	1.4682	0.36165	3.99E-02	1.94E+00	1.62E-01	2.07E-02	2.16E+00	3.88E-02	8.19E-06	1.62E-02	4.05E-03	5.91E-02	4.35E-02	1.94E+00	1.62E-01	2.07E-02	2.16E+00
3251	484363.09	3847377.25	0.66369	0.13633	2.007	0.35106	5.06E-02	1.45E+00	2.22E-01	2.01E-02	1.75E+00	4.91E-02	6.15E-06	2.22E-02	3.93E-03	7.53E-02	5.51E-02	1.45E+00	2.22E-01	2.01E-02	1.75E+00
3252	484863.09	3847377.25	0.66112	0.2222	2.065	0.37672	5.04E-02	2.37E+00	2.28E-01	2.15E-02	2.67E+00	4.89E-02	1.00E-05	2.28E-02	4.22E-03	7.60E-02	5.49E-02	2.37E+00	2.28E-01	2.15E-02	2.68E+00
3253	485363.09	3847377.25	0.58372	0.30117	1.3802	0.31018	4.45E-02	3.21E+00	1.53E-01	1.77E-02	3.43E+00	4.32E-02	1.36E-05	1.53E-02	3.47E-03	6.20E-02	4.85E-02	3.21E+00	1.53E-01	1.77E-02	3.43E+00
3254	485863.09	3847377.25	0.32611	0.26996	1.055	0.2434	2.49E-02	2.88E+00	1.17E-01	1.39E-02	3.04E+00	2.41E-02	1.22E-05	1.17E-02	2.72E-03	3.85E-02	2.71E-02	2.88E+00	1.17E-01	1.39E-02	3.04E+00
3255	486363.09	3847377.25	0.30296	0.31103	1.0411	0.3099	2.31E-02	3.32E+00	1.15E-01	1.77E-02	3.48E+00	2.24E-02	1.40E-05	1.15E-02	3.47E-03	3.74E-02	2.52E-02	3.32E+00	1.15E-01	1.77E-02	3.48E+00
3256	486863.09	3847377.25	0.24023	0.32536	0.9684	0.30042	1.83E-02	3.47E+00	1.07E-01	1.72E-02	3.61E+00	1.78E-02	1.47E-05	1.07E-02	3.36E-03	3.19E-02	1.99E-02	3.47E+00	1.07E-01	1.72E-02	3.62E+00
3257	487363.09	3847377.25	0.18867	0.1668	1.22	0.35649	1.44E-02	1.78E+00	1.35E-01	2.04E-02	1.95E+00	1.40E-02	7.52E-06	1.35E-02	3.99E-03	3.15E-02	1.57E-02	1.78E+00	1.35E-01	2.04E-02	1.95E+00
3258	487863.09	3847377.25	0.19992	0.13151	1.3661	0.36982	1.52E-02	1.40E+00	1.51E-01	2.11E-02	1.59E+00	1.48E-02	5.93E-06	1.51E-02	4.14E-03	3.40E-02	1.66E-02	1.40E+00	1.51E-01	2.11E-02	1.59E+00
3259	488363.09	3847377.25	0.20176	0.11761	2.0164	0.4436	1.54E-02	1.26E+00	2.23E-01	2.54E-02	1.52E+00	1.49E-02	5.30E-06	2.23E-02	4.97E-03	4.22E-02	1.68E-02	1.26E+00	2.23E-01	2.54E-02	1.52E+00
3260	488863.09	3847377.25	0.14895	0.14793	2.4206	0.47334	1.14E-02	1.58E+00	2.68E-01	2.71E-02	1.88E+00	1.10E-02	6.67E-06	2.68E-02	5.30E-03	4.31E-02	1.24E-02	1.58E+00	2.68E-01	2.71E-02	1.89E+00
3261	489363.09	3847377.25	0.14963	0.13407	1.9134	0.43122	1.14E-02	1.43E+00	2.12E-01	2.47E-02	1.68E+00	1.11E-02	6.04E-06	2.12E-02	4.83E-03	3.71E-02	1.24E-02	1.43E+00	2.12E-01	2.47E-02	1.68E+00
3262	489863.09	3847377.25	0.13002	0.13778	1.5597	0.32386	9.91E-03	1.47E+00	1.72E-01	1.85E-02	1.67E+00	9.63E-03	6.21E-06	1.72E-02	3.63E-03	3.05E-02	1.08E-02	1.47E+00	1.72E-01	1.85E-02	1.67E+00
3263	490363.09	3847377.25	0.13214	0.16064	1.299	0.22373	1.01E-02	1.71E+00	1.44E-01	1.28E-02	1.88E+00	9.78E-03	7.24E-06	1.44E-02	2.50E-03	2.67E-02	1.10E-02	1.71E+00	1.44E-01	1.28E-02	1.88E+00
3264	490863.09	3847377.25	0.28285	0.18687	1.345	0.24676	2.16E-02	1.99E+00	1.49E-01	1.41E-02	2.18E+00	2.09E-02	8.42E-06	1.49E-02	2.76E-03	3.86E-02	2.35E-02	1.99E+00	1.49E-01	1.41E-02	2.18E+00
3265	491363.09	3847377.25	0.39308	0.19477	1.4984	0.26912	3.00E-02	2.08E+00	1.66E-01	1.54E-02	2.29E+00	2.91E-02	8.78E-06	1.66E-02	3.01E-03	4.87E-02	3.26E-02	2.08E+00	1.66E-01	1.54E-02	2.29E+00
3266	491863.09	3847377.25	0.42038	0.17796	1.293	0.27476	3.20E-02	1.90E+00	1.43E-01	1.57E-02	2.09E+00	3.11E-02	8.02E-06	1.43E-02	3.08E-03	4.85E-02	3.49E-02	1.90E+00	1.43E-01	1.57E-02	2.09E+00
3267	492363.09	3847377.25	0.42171	0.14655	0.9425	0.2518	3.21E-02	1.56E+00	1.04E-01	1.44E-02	1.71E+00	3.12E-02	6.61E-06	1.04E-02	2.82E-03	4.45E-02	3.50E-02	1.56E+00	1.04E-01	1.44E-02	1.72E+00
3268	492863.09	3847377.25	0.42006	0.11506	0.8204	0.20393	3.20E-02	1.23E+00	9.07E-02	1.17E-02	1.36E+00	3.11E-02	5.19E-06	9.07E-03	2.28E-03	4.25E-02	3.49E-02	1.23E+00	9.07E-02	1.17E-02	1.37E+00
3269	493363.09	3847377.25	0.41433	0.08887	0.9682	0.1818	3.16E-02	9.48E-01	1.07E-01	1.04E-02	1.10E+00	3.07E-02	4.01E-06	1.07E-02	2.04E-03	4.34E-02	3.44E-02	9.48E-01	1.07E-01	1.04E-02	1.10E+00
3270	493863.09	3847377.25	0.37903	0.07696	1.1513	0.18635	2.89E-02	8.21E-01	1.27E-01	1.07E-02	9.88E-01	2.81E-02	3.47E-06	1.27E-02	2.09E-03	4.29E-02	3.15E-02	8.21E-01	1.27E-01	1.07E-02	9.91E-01
3271	494363.09	3847377.25	0.27226	0.09508	1.1732	0.21652	2.08E-02	1.01E+00	1.30E-01	1.24E-02	1.18E+00	2.02E-02	4.29E-06	1.30E-02	2.42E-03	3.56E-02	2.26E-02	1.01E+00	1.30E-01	1.24E-02	1.18E+00
3272	494863.09	3847377.25	0.12773	0.14083	1.0335	0.24141	9.74E-03	1.50E+00	1.14E-01	1.38E-02	1.64E+00	9.46E-03	6.35E-06	1.14E-02	2.70E-03	2.36E-02	1.06E-02	1.50E+00	1.14E-01	1.38E-02	1.64E+00
3273	495363.09	3847377.25	0.15148	0.18519	1.0822	0.25756	1.15E-02	1.98E+00	1.20E-01	1.47E-02	2.12E+00	1.12E-02	8.35E-06	1.20E-02	2.88E-03	2.61E-02	1.26E-02	1.98E+00	1.20E-01	1.47E-02	2.12E+00
3274	495863.09	3847377.25	0.18059	0.19826	1.4325	0.26268	1.38E-02	2.12E+00	1.58E-01	1.50E-02	2.30E+00	1.34E-02	8.94E-06	1.58E-02	2.94E-03	3.22E-02	1.50E-02	2.12E+00	1.58E-01	1.50E-02	2.30E+00
3275	496363.09	3847377.25	0.18873	0.18669	1.5705	0.25714	1.44E-02	1.99E+00	1.74E-01	1.47E-02	2.20E+00	1.40E-02	8.42E-06	1.74E-02	2.88E-03	3.42E-02	1.57E-02	1.99E+00	1.74E-01	1.47E-02	2.20E+00
3276	496863.09	3847377.25	0.19061	0.1955	1.4266	0.24278	1.45E-02	2.09E+00	1.58E-01	1.39E-02	2.27E+00	1.41E-02	8.81E-06	1.58E-02	2.72E-03	3.26E-02	1.58E-02	2.09E+00	1.58E-01	1.39E-02	2.27E+00
3277	497363.09	3847377.25	0.19191	0.2341	1.102	0.23381	1.46E-02	2.50E+00	1.22E-01	1.34E-02	2.65E+00	1.42E-02	1.06E-05	1.22E-02	2.62E-03	2.90E-02	1.59E-02	2.50E+00	1.22E-01	1.34E-02	2.65E+00
3278	497863.09	3847377.25	0.19329	0.24697	1.2391	0.23358	1.47E-02	2.64E+00	1.37E-01	1.34E-02	2.80E+00	1.43E-02	1.11E-05	1.37E-02	2.61E-03	3.06E-02	1.60E-02	2.64E+00	1.37E-01	1.34E-02	2.80E+00
3279	498363.09	3847377.25	0.19383	0.20295	1.1572	0.21298	1.48E-02	2.17E+00	1.28E-01	1.22E-02	2.32E+00	1.43E-02	9.15E-06	1.28E-02	2.38E-03	2.95E-02	1.61E-02	2.17E+00	1.28E-01	1.22E-02	2.32E+00
3280	471363.09	3847877.25	1.18533	0.60669	0.9245	0.36376	9.03E-02	6.47E+00	1.02E-01	2.08E-02	6.69E+00	8.78E-02	2.73E-05	1.02E-02	4.07E-03	1.02E-01	9.84E-02	6.47E+00	1.02E-01	2.08E-02	6.70E+00
3281	471863.09	3847877.25	1.14314	0.64858	0.8427	0.44597	8.71E-02	6.92E+00	9.32E-02	2.55E-02	7.13E+00	8.46E-02	2.92E-05	9.32E-03	4.99E-03	9.90E-02	9.49E-02	6.92E+00	9.32E-02	2.55E-02	7.14E+00
3282	472363.09	3847877.25	1.25898	0.63658	0.7722	0.53111	9.60E-02	6.79E+00	8.54E-02	3.04E-02	7.01E+00	9.32E-02	2.87E-05	8.54E-03	5.95E-03	1.08E-01	1.05E-01	6.79E+00	8.54E-02	3.04E-02	7.01E+00
3283	472863.09	3847877.25	1.30373	0.63337	0.7625	0.60953	9.94E-02	6.76E+00	8.43E-02	3.49E-02	6.98E+00	9.65E-02	2.86E-05	8.43E-03	6.82E-03	1.12E-01	1.08E-01	6.76E+00	8.43E-02	3.49E-02	6.99E+00
3284	473363.09	3847877.25	1.34931	0.66185	0.8209	0.66888	1.03E-01	7.06E+00	9.08E-02	3.82E-02	7.29E+00	9.99E-02	2.98E-05	9.08E-03	7.49E-03	1.16E-01	1.12E-01	7.06E+00	9.08E-02	3.82E-02	7.30E+00
3285	473863.09	3847877.25	1.42078	0.78184	1.0108	0.69728	1.08E-01	8.34E+00	1.12E-01	3.99E-02	8.60E+00	1.05E-01	3.52E-05	1.12E-02	7.81E-03	1.24E-01	1.18E-01	8.34E+00	1.12E-01	3.99E-02	8.61E+00
3286	474363.09	3847877.25	1.15686	0.6594	1.1977	0.68625	8.82E-02	7.04E+00	1.32E-01	3.92E-02	7.30E+00	8.56E-02	2.97E-05	1.32E-02	7.68E-03	1.07E-01	9.60E-02	7.04E+00	1.32E-01	3.92E-02	7.30E+00
3287	474863.09	3847877.25	1.33285	0.50885	1.36	0.63409	1.02E-01	5.43E+00	1.50E-01	3.63E-02	5.72E+00	9.87E-02	2.29E-05	1.50E-02	7.10E-03	1.21E-01	1.11E-01	5.43E+00	1.50E-01	3.63E-02	5.73E+00
3288	475363.09	3847877.25	1.13475	0.38681	1.4635	0.55094	8.65E-02	4.13E+00	1.62E-01	3.15E-02	4.41E+00	8.40E-02	1.74E-05	1.62E-02	6.17E-03	1.06E-01	9.42E-02	4.13E+00	1.62E-01	3.15E-02	4.42E+00
3289	475863.09	3847877.25	1.3827	0.42388	1.4845	0.45262	1.05E-01	4.52E+00	1.64E-01	2.59E-02	4.82E+00	1.02E-01	1.91E-05	1.64E-02	5.07E-03	1.24E-01	1.15E-01	4.52E+00	1.64E-01	2.59E-02	4.83E+00
3290	476363.09	3847877.25	1.88354	0.72339	1.4127	0.47674	1.44E-01	7.72E+00	1.56E-01	2.73E-02	8.05E+00	1.39E-01	3.26E-05	1.56E-02	5.34E-03	1.60E-01	1.56E-01	7.72E+00	1.56E-01	2.73E-02	8.06E+00

3291	476863.09	3847877.25	2.01027	0.62511	1.2528	1.10043	1.53E-01	6.67E+00	1.39E-01	6.29E-02	7.03E+00	1.49E-01	2.82E-05	1.39E-02	1.23E-02	1.75E-01	1.67E-01	6.67E+00	1.39E-01	6.29E-02	7.04E+00
3292	477363.09	3847877.25	1.88741	0.44168	1.0321	1.30828	1.44E-01	4.71E+00	1.14E-01	7.48E-02	5.05E+00	1.40E-01	1.99E-05	1.14E-02	1.46E-02	1.66E-01	1.57E-01	4.71E+00	1.14E-01	7.48E-02	5.06E+00
3293	477863.09	3847877.25	1.90314	0.49484	0.79	1.01505	1.45E-01	5.28E+00	8.73E-02	5.80E-02	5.57E+00	1.41E-01	2.23E-05	8.73E-03	1.14E-02	1.61E-01	1.58E-01	5.28E+00	8.73E-02	5.80E-02	5.58E+00
3294	478363.09	3847877.25	1.90357	0.55703	0.6048	0.7005	1.45E-01	5.94E+00	6.69E-02	4.01E-02	6.20E+00	1.41E-01	2.51E-05	6.69E-03	7.84E-03	1.55E-01	1.58E-01	5.94E+00	6.69E-02	4.01E-02	6.21E+00
3295	478863.09	3847877.25	1.45782	0.56534	2.9519	1.6184	1.11E-01	6.03E+00	3.26E-01	9.25E-02	6.56E+00	1.08E-01	2.55E-05	3.26E-02	1.81E-02	1.59E-01	1.21E-01	6.03E+00	3.26E-01	9.25E-02	6.57E+00
3296	479363.09	3847877.25	0.7336	0.27416	3.2219	0.58686	5.59E-02	2.93E+00	3.56E-01	3.36E-02	3.37E+00	5.43E-02	1.24E-05	3.56E-02	6.57E-03	9.65E-02	6.09E-02	2.93E+00	3.56E-01	3.36E-02	3.38E+00
3297	479863.09	3847877.25	0.56302	0.22915	0.9306	0.36678	4.29E-02	2.45E+00	1.03E-01	2.10E-02	2.61E+00	4.17E-02	1.03E-05	1.03E-02	4.11E-03	5.61E-02	4.67E-02	2.45E+00	1.03E-01	2.10E-02	2.62E+00
3298	480363.09	3847877.25	0.47432	0.16126	0.7802	0.36165	3.62E-02	1.72E+00	8.63E-02	2.07E-02	1.86E+00	3.51E-02	7.27E-06	8.63E-03	4.05E-03	4.78E-02	3.94E-02	1.72E+00	8.63E-02	2.07E-02	1.87E+00
3299	480863.09	3847877.25	0.36646	0.17521	0.8208	0.42117	2.79E-02	1.87E+00	9.07E-02	2.41E-02	2.01E+00	2.71E-02	7.90E-06	9.07E-03	4.71E-03	4.09E-02	3.04E-02	1.87E+00	9.07E-02	2.41E-02	2.02E+00
3300	481363.09	3847877.25	0.30056	0.1446	0.775	0.46085	2.29E-02	1.54E+00	8.57E-02	2.64E-02	1.68E+00	2.23E-02	6.52E-06	8.57E-03	5.16E-03	3.60E-02	2.50E-02	1.54E+00	8.57E-02	2.64E-02	1.68E+00
3301	481863.09	3847877.25	0.35116	0.15509	0.7862	0.46701	2.68E-02	1.66E+00	8.69E-02	2.67E-02	1.80E+00	2.60E-02	6.99E-06	8.69E-03	5.23E-03	3.99E-02	2.92E-02	1.66E+00	8.69E-02	2.67E-02	1.80E+00
3302	482363.09	3847877.25	0.53859	0.31488	0.8941	0.44938	4.11E-02	3.36E+00	9.88E-02	2.57E-02	3.53E+00	3.99E-02	1.42E-05	9.88E-03	5.03E-03	5.48E-02	4.47E-02	3.36E+00	9.88E-02	2.57E-02	3.53E+00
3303	482863.09	3847877.25	0.45883	0.31431	0.9245	0.42626	3.50E-02	3.35E+00	1.02E-01	2.44E-02	3.52E+00	3.40E-02	1.42E-05	1.02E-02	4.77E-03	4.90E-02	3.81E-02	3.35E+00	1.02E-01	2.44E-02	3.52E+00
3304	483363.09	3847877.25	0.38023	0.25054	1.127	0.40473	2.90E-02	2.67E+00	1.25E-01	2.31E-02	2.85E+00	2.81E-02	1.13E-05	1.25E-02	4.53E-03	4.52E-02	3.16E-02	2.67E+00	1.25E-01	2.31E-02	2.85E+00
3305	483863.09	3847877.25	0.48717	0.19175	1.412	0.38031	3.71E-02	2.05E+00	1.56E-01	2.17E-02	2.26E+00	3.61E-02	8.64E-06	1.56E-02	4.26E-03	5.59E-02	4.04E-02	2.05E+00	1.56E-01	2.17E-02	2.26E+00
3306	484363.09	3847877.25	0.6642	0.15613	1.8129	0.37383	5.06E-02	1.67E+00	2.00E-01	2.14E-02	1.94E+00	4.92E-02	7.04E-06	2.00E-02	4.18E-03	7.34E-02	5.51E-02	1.67E+00	2.00E-01	2.14E-02	1.94E+00
3307	484863.09	3847877.25	0.66388	0.20684	2.2118	0.37831	5.06E-02	2.21E+00	2.45E-01	2.16E-02	2.52E+00	4.91E-02	9.32E-06	2.45E-02	4.23E-03	7.78E-02	5.51E-02	2.21E+00	2.45E-01	2.16E-02	2.53E+00
3308	485363.09	3847877.25	0.61018	0.30282	1.678	0.30387	4.65E-02	3.23E+00	1.86E-01	1.74E-02	3.48E+00	4.52E-02	1.37E-05	1.86E-02	3.40E-03	6.71E-02	5.07E-02	3.23E+00	1.86E-01	1.74E-02	3.49E+00
3309	485863.09	3847877.25	0.36217	0.27223	1.5767	0.31788	2.76E-02	2.91E+00	1.74E-01	1.82E-02	3.13E+00	2.68E-02	1.23E-05	1.74E-02	3.56E-03	4.78E-02	3.01E-02	2.91E+00	1.74E-01	1.82E-02	3.13E+00
3310	486363.09	3847877.25	0.32231	0.30111	1.0694	0.33674	2.46E-02	3.21E+00	1.18E-01	1.93E-02	3.38E+00	2.39E-02	1.36E-05	1.18E-02	3.77E-03	3.95E-02	2.68E-02	3.21E+00	1.18E-01	1.93E-02	3.38E+00
3311	486863.09	3847877.25	0.26725	0.33756	0.9987	0.35325	2.04E-02	3.60E+00	1.10E-01	2.02E-02	3.75E+00	1.98E-02	1.52E-05	1.10E-02	3.95E-03	3.48E-02	2.22E-02	3.60E+00	1.10E-01	2.02E-02	3.76E+00
3312	487363.09	3847877.25	0.19665	0.18983	1.2581	0.37998	1.50E-02	2.03E+00	1.39E-01	2.17E-02	2.20E+00	1.46E-02	8.56E-06	1.39E-02	4.25E-03	3.27E-02	1.63E-02	2.03E+00	1.39E-01	2.17E-02	2.20E+00
3313	487863.09	3847877.25	0.20225	0.13322	1.4195	0.38198	1.54E-02	1.42E+00	1.57E-01	2.18E-02	1.62E+00	1.50E-02	6.01E-06	1.57E-02	4.28E-03	3.49E-02	1.68E-02	1.42E+00	1.57E-01	2.18E-02	1.62E+00
3314	488363.09	3847877.25	0.20204	0.12248	2.1038	0.45231	1.54E-02	1.31E+00	2.33E-01	2.59E-02	1.58E+00	1.50E-02	5.52E-06	2.33E-02	5.06E-03	4.33E-02	1.68E-02	1.31E+00	2.33E-01	2.59E-02	1.58E+00
3315	488863.09	3847877.25	0.19796	0.15159	2.4805	0.47803	1.51E-02	1.62E+00	2.74E-01	2.73E-02	1.93E+00	1.47E-02	6.83E-06	2.74E-02	5.35E-03	4.74E-02	1.64E-02	1.62E+00	2.74E-01	2.73E-02	1.94E+00
3316	489363.09	3847877.25	0.16638	0.13469	1.8724	0.42875	1.27E-02	1.44E+00	2.07E-01	2.45E-02	1.68E+00	1.23E-02	6.07E-06	2.07E-02	4.80E-03	3.78E-02	1.38E-02	1.44E+00	2.07E-01	2.45E-02	1.68E+00
3317	489863.09	3847877.25	0.14763	0.15488	1.4992	0.31311	1.13E-02	1.65E+00	1.66E-01	1.79E-02	1.85E+00	1.09E-02	6.98E-06	1.66E-02	3.51E-03	3.10E-02	1.23E-02	1.65E+00	1.66E-01	1.79E-02	1.85E+00
3318	490363.09	3847877.25	0.24972	0.18392	1.2969	0.24421	1.90E-02	1.96E+00	1.43E-01	1.40E-02	2.14E+00	1.85E-02	8.29E-06	1.43E-02	2.73E-03	3.56E-02	2.07E-02	1.96E+00	1.43E-01	1.40E-02	2.14E+00
3319	490863.09	3847877.25	0.38346	0.19777	1.4811	0.25879	2.92E-02	2.11E+00	1.64E-01	1.48E-02	2.32E+00	2.84E-02	8.92E-06	1.64E-02	2.90E-03	4.77E-02	3.18E-02	2.11E+00	1.64E-01	1.48E-02	2.32E+00
3320	491363.09	3847877.25	0.42032	0.18579	1.5272	0.27942	3.20E-02	1.98E+00	1.69E-01	1.60E-02	2.20E+00	3.11E-02	8.38E-06	1.69E-02	3.13E-03	5.11E-02	3.49E-02	1.98E+00	1.69E-01	1.60E-02	2.20E+00
3321	491863.09	3847877.25	0.42242	0.15533	1.2097	0.27734	3.22E-02	1.66E+00	1.34E-01	1.59E-02	1.84E+00	3.13E-02	7.00E-06	1.34E-02	3.10E-03	4.78E-02	3.51E-02	1.66E+00	1.34E-01	1.59E-02	1.84E+00
3322	492363.09	3847877.25	0.42074	0.12266	0.9538	0.24357	3.21E-02	1.31E+00	1.05E-01	1.39E-02	1.46E+00	3.11E-02	5.53E-06	1.05E-02	2.73E-03	4.44E-02	3.49E-02	1.31E+00	1.05E-01	1.39E-02	1.46E+00
3323	492863.09	3847877.25	0.41736	0.09455	0.8763	0.18867	3.18E-02	1.01E+00	9.69E-02	1.08E-02	1.15E+00	3.09E-02	4.26E-06	9.69E-03	2.11E-03	4.27E-02	3.46E-02	1.01E+00	9.69E-02	1.08E-02	1.15E+00
3324	493363.09	3847877.25	0.39476	0.07701	1.1292	0.19914	3.01E-02	8.22E-01	1.25E-01	1.14E-02	9.88E-01	2.92E-02	3.47E-06	1.25E-02	2.23E-03	4.39E-02	3.28E-02	8.22E-01	1.25E-01	1.14E-02	9.91E-01
3325	493863.09	3847877.25	0.305	0.08718	1.2352	0.23159	2.32E-02	9.30E-01	1.37E-01	1.32E-02	1.10E+00	2.26E-02	3.93E-06	1.37E-02	2.59E-03	3.88E-02	2.53E-02	9.30E-01	1.37E-01	1.32E-02	1.11E+00
3326	494363.09	3847877.25	0.15553	0.12963	1.1505	0.25728	1.19E-02	1.38E+00	1.27E-01	1.47E-02	1.54E+00	1.15E-02	5.84E-06	1.27E-02	2.88E-03	2.71E-02	1.29E-02	1.38E+00	1.27E-01	1.47E-02	1.54E+00
3327	494863.09	3847877.25	0.16769	0.17899	0.9285	0.27229	1.28E-02	1.91E+00	1.03E-01	1.56E-02	2.04E+00	1.24E-02	8.07E-06	1.03E-02	3.05E-03	2.57E-02	1.39E-02	1.91E+00	1.03E-01	1.56E-02	2.04E+00
3328	495363.09	3847877.25	0.18672	0.20048	1.1593	0.26407	1.42E-02	2.14E+00	1.28E-01	1.51E-02	2.30E+00	1.38E-02	9.04E-06	1.28E-02	2.96E-03	2.96E-02	1.55E-02	2.14E+00	1.28E-01	1.51E-02	2.30E+00
3329	495863.09	3847877.25	0.1907	0.18887	1.3105	0.19674	1.45E-02	2.02E+00	1.45E-01	1.13E-02	2.19E+00	1.41E-02	8.51E-06	1.45E-02	2.20E-03	3.08E-02	1.58E-02	2.02E+00	1.45E-01	1.13E-02	2.19E+00
3330	496363.09	3847877.25	0.19199	0.18791	1.2892	0.24761	1.46E-02	2.01E+00	1.43E-01	1.42E-02	2.18E+00	1.42E-02	8.47E-06	1.43E-02	2.77E-03	3.12E-02	1.59E-02	2.01E+00	1.43E-01	1.42E-02	2.18E+00
3331	496863.09	3847877.25	0.19336	0.22597	1.2092	0.22518	1.47E-02	2.41E+00	1.34E-01	1.29E-02	2.57E+00	1.43E-02	1.02E-05	1.34E-02	2.52E-03	3.02E-02	1.61E-02	2.41E+00	1.34E-01	1.29E-02	2.57E+00
3332	497363.09	3847877.25	0.19489	0.25219	0.8324	0.24144	1.49E-02	2.69E+00	9.20E-02	1.38E-02	2.81E+00	1.44E-02	1.14E-05	9.20E-03	2.70E-03	2.63E-02	1.62E-02	2.69E+00	9.20E-02	1.38E-02	2.81E+00
3333	497863.09	3847877.25	0.19496	0.21846	1.2021	0.2244	1.49E-02	2.33E+00	1.33E-01	1.28E-02	2.49E+00	1.44E-02	9.85E-06	1.33E-02	2.51E-03	3.02E-02	1.62E-02	2.33E+00	1.33E-01	1.28E-02	2.49E+00
3334	498363.09	3847877.25	0.18522	0.14704	1.2283	0.18763	1.41E-02	1.57E+00	1.36E-01	1.07E-02	1.73E+00	1.37E-02	6.63E-06	1.36E-02	2.10E-03	2.94E-02	1.54E-02	1.57E+00	1.36E-01	1.07E-02	1.73E+00
3335	471363.09	3848377.25	1.16992	0.72429	0.8293	0.31385	8.92E-02	7.73E+00	9.17E-02	1.79E-02	7.93E+00	8.66E-02	3.26E-05	9.17E-03	3.51E-03	9.93E-02	9.71E-02	7.73E+00	9.17E-02	1.79E-02	7.94E+00
3336	471863.09	3848377.25	1.14155	0.64436	0.9396	0.34804	8.70E-02	6.88E+00	1.04E-01	1.99E-02	7.09E+00	8.45E-02	2.90E-05	1.04E-02	3.90E-03	9.88E-02	9.48E-02	6.88E+00	1.04E-01	1.99E-02	7.10E+00
3337	472363.09	3848377.25	1.28887	0.69015	0.9324	0.43327	9.82E-02	7.37E+00	1.03E-01	2.48E-02	7.59E+00	9.54E-02	3.11E-05	1.03E-02	4.85E-03	1.11E-01	1.07E-01	7.37E+00	1.03E-01	2.48E-02	7.60E+00
3338	472863.09	3848377.25	1.25282	0.68016	0.8029	0.52498	9.55E-02	7.26E+00	8.88E-02	3.00E-02	7.47E+00	9.28E-02	3.07E-05	8.88E-03	5.88E-03	1.08E-01	1.04E-01	7.26E+00	8.88E-02	3.00E-02	7.48E+00
3339	473363.09	3848377.25	1.4214	0.70948	0.8054	0.61341	1.08E-01	7.57E+00	8.90E-02	3.51E-02	7.80E+00	1.05E-01	3.20E-05	8.90E-03	6.87E-03	1.21E-01	1.18E-01	7.57E+00	8.90E-02	3.51E-02	7.81E+00
3340	473863.09	3848377.25	1.48908	0.67842	0.7828	0.68509	1.13E-01	7.24E+00	8.65E-02	3.92E-02	7.48E+00	1.10E-01	3.06E-05	8.65E-03	7.67E-03	1.27E-01	1.24E-01	7.24E+00	8.65E-02	3.92E-02	7.49E+00
3341	474363.09	3848377.25	1.26256	0.82701	0.9833	0.72552	9.62E-02	8.83E+00	1.09E-01	4.15E-02	9.07E+00	9.35E-02	3.73E-05	1.09E-02	8.12E-03	1.13E-01	1.05E-01	8.83E+00	1.09E-01	4.15E-02	9.08E+00
3342	474863.09	3848377.25	1.43596	0.79087	1.1883	0.7234	1.09E-01	8.44E+00	1.31E-01	4.14E-02	8.72E+00	1.06E-01	3.57E-05	1.31E-02	8.10E-03	1.28E-01	1.19E-01	8.44E+00	1.31E-01	4.14E-02	8.73E+00
3343	475363.09	3848377.25	1.47472	0.6732	1.3763	0.67433	1.12E-01	7.18E+00	1.52E-01	3.86E-02	7.49E+00	1.09E-01	3.03E-05	1.52E-02	7.55E-03	1.32E-01	1.22E-01	7.18E+00	1.52E-01	3.86E-02	7.50E+00
3344	475863.09	3848377.25	1.40579	0.47955	1.5075	0.58813	1.07E-01	5.12E+00	1.67E-01	3.36E-02	5.43E+00	1.04E-01	2.16E-05	1.67E-02	6.58E-03	1.27E-01	1.17E-01	5.12E+00	1.67E-01	3.36E-02	5.43E+00
3345	476363.09	3848377.25	1.44165	0.48851	1.5534	0.48217	1.10E-01	5.21E+00	1.72E-01	2.76E-02	5.52E+00	1.07E-01	2.20E-05	1.72E-02	5.40E-03	1.29E-01	1.20E-01	5.21E+00	1.72E-01	2.76E-02	5.53E+00
3346	476863.09	3848377.25	2.11515	0.88195	1.4978	0.57567	1.61E-01	9.41E+00	1.66E-01	3.29E-02	9.77E+00	1.57E-01	3.98E-05	1.66E-02	6.44E-03	1.80E-01	1.76E-01	9.41E+00	1.66E-01	3.29E-02	9.79E+00
3347	477363.09	3848377.25	2.13252	0.65066	1.339	1.22386	1.63E-01	6.94E+00	1.48E-01	7.00E-02	7.32E+00	1.58E-01	2.93E-05	1.48E-02	1.37E-02	1.86E-01	1.77E-01	6.94E+00	1.48E-01	7.00E-02	7.34E+00
3348	477863.09	3848377.25	2.09067	0.46421	1.1074	1.35471	1.59E-01	4.95E+00	1.22E-01	7.75E-02	5.31E+00	1.55E-01	2.09E-05	1.22E-02	1.52E-02	1.82E-01	1.74E-01	4.95E+00	1.22E-01	7.75E-02	5.33E+00
3349	478363.09	3848377.25	2.12073	0.53285	0.8457	1.02695	1.62E-01	5.69E+00	9.35E-02	5.87E-02	6.00E+00	1.57E-01	2.40E-05	9.35E-03	1.15E-02	1.78E-01	1.76E-01	5.69E+00	9.35E-02	5.87E-02	6.01E+00
3350	478863.09	3848377.25	1.90616	0.56145	0.9237	1.07839	1.45E-01	5.99E+00	1.02E-01	6.17E-02	6.30E+00	1.41E-01	2.53E-05	1.02E-02	1.21E-02	1.63E-01	1.58E-01	5.99E+00	1.02E-01	6.17E-02	6.31E+00
3351	479363.09	3848377.25	0.99014	0.2841	2.3269	0.82061	7.55E-02	3.03E+00	2.57E-01	4.69E-02	3.41E+00	7.33E-02	1.28E-05	2.57E-02	9.19E-03	1.08E-01	8.22E-02	3.03E+00	2.57E-01	4.69E-02	3.42E+00

3352	479863.09	3848377.25	0.45003	0.26793	0.9698	0.37431	3.43E-02	2.86E+00	1.07E-01	2.14E-02	3.02E+00	3.33E-02	1.21E-05	1.07E-02	4.19E-03	4.82E-02	3.74E-02	2.86E+00	1.07E-01	2.14E-02	3.03E+00
3353	480363.09	3848377.25	0.58922	0.21021	0.9433	0.37998	4.49E-02	2.24E+00	1.04E-01	2.17E-02	2.41E+00	4.36E-02	9.48E-06	1.04E-02	4.25E-03	5.83E-02	4.89E-02	2.24E+00	1.04E-01	2.17E-02	2.42E+00
3354	480863.09	3848377.25	0.80994	0.17617	0.8146	0.41428	6.17E-02	1.88E+00	9.01E-02	2.37E-02	2.06E+00	6.00E-02	7.94E-06	9.01E-03	4.64E-03	7.36E-02	6.72E-02	1.88E+00	9.01E-02	2.37E-02	2.06E+00
3355	481363.09	3848377.25	0.4785	0.15815	0.8615	0.46921	3.65E-02	1.69E+00	9.52E-02	2.68E-02	1.85E+00	3.54E-02	7.13E-06	9.52E-03	5.25E-03	5.02E-02	3.97E-02	1.69E+00	9.52E-02	2.68E-02	1.85E+00
3356	481863.09	3848377.25	0.43624	0.1373	0.7376	0.48276	3.33E-02	1.47E+00	8.15E-02	2.76E-02	1.61E+00	3.23E-02	6.19E-06	8.15E-03	5.40E-03	4.59E-02	3.62E-02	1.47E+00	8.15E-02	2.76E-02	1.61E+00
3357	482363.09	3848377.25	0.58988	0.30649	0.8739	0.46633	4.50E-02	3.27E+00	9.66E-02	2.67E-02	3.44E+00	4.37E-02	1.38E-05	9.66E-03	5.22E-03	5.86E-02	4.90E-02	3.27E+00	9.66E-02	2.67E-02	3.44E+00
3358	482863.09	3848377.25	0.6732	0.32003	0.9569	0.44073	5.13E-02	3.42E+00	1.06E-01	2.52E-02	3.60E+00	4.98E-02	1.44E-05	1.06E-02	4.93E-03	6.54E-02	5.59E-02	3.42E+00	1.06E-01	2.52E-02	3.60E+00
3359	483363.09	3848377.25	0.63857	0.26197	1.0383	0.41874	4.87E-02	2.80E+00	1.15E-01	2.39E-02	2.98E+00	4.73E-02	1.18E-05	1.15E-02	4.69E-03	6.35E-02	5.30E-02	2.80E+00	1.15E-01	2.39E-02	2.99E+00
3360	483863.09	3848377.25	0.44406	0.19857	1.3613	0.3975	3.38E-02	2.12E+00	1.51E-01	2.27E-02	2.33E+00	3.29E-02	8.95E-06	1.51E-02	4.45E-03	5.24E-02	3.69E-02	2.12E+00	1.51E-01	2.27E-02	2.33E+00
3361	484363.09	3848377.25	0.66495	0.17341	1.6509	0.38784	5.07E-02	1.85E+00	1.83E-01	2.22E-02	2.11E+00	4.92E-02	7.82E-06	1.83E-02	4.34E-03	7.18E-02	5.52E-02	1.85E+00	1.83E-01	2.22E-02	2.11E+00
3362	484863.09	3848377.25	0.66599	0.19141	2.2427	0.37776	5.08E-02	2.04E+00	2.48E-01	2.16E-02	2.36E+00	4.93E-02	8.63E-06	2.48E-02	4.23E-03	7.83E-02	5.53E-02	2.04E+00	2.48E-01	2.16E-02	2.37E+00
3363	485363.09	3848377.25	0.6302	0.30291	1.8883	0.29779	4.80E-02	3.23E+00	2.09E-01	1.70E-02	3.51E+00	4.67E-02	1.37E-05	2.09E-02	3.33E-03	7.09E-02	5.23E-02	3.23E+00	2.09E-01	1.70E-02	3.51E+00
3364	485863.09	3848377.25	0.3873	0.27659	1.7	0.32305	2.95E-02	2.95E+00	1.88E-01	1.85E-02	3.19E+00	2.87E-02	1.25E-05	1.88E-02	3.62E-03	5.11E-02	3.22E-02	2.95E+00	1.88E-01	1.85E-02	3.19E+00
3365	486363.09	3848377.25	0.3522	0.2902	1.091	0.36185	2.68E-02	3.10E+00	1.21E-01	2.07E-02	3.27E+00	2.61E-02	1.31E-05	1.21E-02	4.05E-03	4.22E-02	2.92E-02	3.10E+00	1.21E-01	2.07E-02	3.27E+00
3366	486863.09	3848377.25	0.29297	0.34648	1.0631	0.36199	2.23E-02	3.70E+00	1.18E-01	2.07E-02	3.86E+00	2.17E-02	1.56E-05	1.18E-02	4.05E-03	3.75E-02	2.43E-02	3.70E+00	1.18E-01	2.07E-02	3.86E+00
3367	487363.09	3848377.25	0.19959	0.21417	1.2978	0.39507	1.52E-02	2.29E+00	1.43E-01	2.26E-02	2.47E+00	1.48E-02	9.65E-06	1.43E-02	4.42E-03	3.36E-02	1.66E-02	2.29E+00	1.43E-01	2.26E-02	2.47E+00
3368	487863.09	3848377.25	0.20311	0.13725	1.4771	0.39211	1.55E-02	1.46E+00	1.63E-01	2.24E-02	1.67E+00	1.50E-02	6.19E-06	1.63E-02	4.39E-03	3.58E-02	1.69E-02	1.46E+00	1.63E-01	2.24E-02	1.67E+00
3369	488363.09	3848377.25	0.2022	0.13104	2.1917	0.45835	1.54E-02	1.40E+00	2.42E-01	2.62E-02	1.68E+00	1.50E-02	5.91E-06	2.42E-02	5.13E-03	4.43E-02	1.68E-02	1.40E+00	2.42E-01	2.62E-02	1.68E+00
3370	488863.09	3848377.25	0.19479	0.15447	2.5321	0.48102	1.48E-02	1.65E+00	2.80E-01	2.75E-02	1.97E+00	1.44E-02	6.96E-06	2.80E-02	5.38E-03	4.78E-02	1.62E-02	1.65E+00	2.80E-01	2.75E-02	1.97E+00
3371	489363.09	3848377.25	0.16598	0.14876	1.8099	0.42533	1.27E-02	1.59E+00	2.00E-01	2.43E-02	1.82E+00	1.23E-02	6.71E-06	2.00E-02	4.76E-03	3.71E-02	1.38E-02	1.59E+00	2.00E-01	2.43E-02	1.83E+00
3372	489863.09	3848377.25	0.21185	0.17942	1.4305	0.30409	1.61E-02	1.91E+00	1.58E-01	1.74E-02	2.11E+00	1.57E-02	8.09E-06	1.58E-02	3.40E-03	3.49E-02	1.76E-02	1.91E+00	1.58E-01	1.74E-02	2.11E+00
3373	490363.09	3848377.25	0.37026	0.19926	1.3775	0.25957	2.82E-02	2.13E+00	1.52E-01	1.48E-02	2.32E+00	2.74E-02	8.98E-06	1.52E-02	2.91E-03	4.56E-02	3.07E-02	2.13E+00	1.52E-01	1.48E-02	2.32E+00
3374	490863.09	3848377.25	0.42018	0.19299	1.6034	0.27194	3.20E-02	2.06E+00	1.77E-01	1.56E-02	2.28E+00	3.11E-02	8.70E-06	1.77E-02	3.04E-03	5.19E-02	3.49E-02	2.06E+00	1.77E-01	1.56E-02	2.29E+00
3375	491363.09	3848377.25	0.42339	0.16448	1.5151	0.28809	3.23E-02	1.76E+00	1.68E-01	1.65E-02	1.97E+00	3.13E-02	7.41E-06	1.68E-02	3.22E-03	5.13E-02	3.52E-02	1.76E+00	1.68E-01	1.65E-02	1.97E+00
3376	491863.09	3848377.25	0.42142	0.1307	1.0966	0.27638	3.21E-02	1.39E+00	1.21E-01	1.58E-02	1.56E+00	3.12E-02	5.89E-06	1.21E-02	3.09E-03	4.64E-02	3.50E-02	1.39E+00	1.21E-01	1.58E-02	1.57E+00
3377	492363.09	3848377.25	0.41907	0.10123	0.9155	0.23139	3.19E-02	1.08E+00	1.01E-01	1.32E-02	1.23E+00	3.10E-02	4.56E-06	1.01E-02	2.59E-03	4.37E-02	3.48E-02	1.08E+00	1.01E-01	1.32E-02	1.23E+00
3378	492863.09	3848377.25	0.40595	0.0791	1.0656	0.2129	3.09E-02	8.44E-01	1.18E-01	1.22E-02	1.01E+00	3.01E-02	3.57E-06	1.18E-02	2.38E-03	4.42E-02	3.37E-02	8.44E-01	1.18E-01	1.22E-02	1.01E+00
3379	493363.09	3848377.25	0.33597	0.08095	1.2645	0.24763	2.56E-02	8.64E-01	1.40E-01	1.42E-02	1.04E+00	2.49E-02	3.65E-06	1.40E-02	2.77E-03	4.16E-02	2.79E-02	8.64E-01	1.40E-01	1.42E-02	1.05E+00
3380	493863.09	3848377.25	0.18757	0.11818	1.2591	0.24411	1.43E-02	1.26E+00	1.39E-01	1.40E-02	1.43E+00	1.39E-02	5.33E-06	1.39E-02	2.73E-03	3.05E-02	1.56E-02	1.26E+00	1.39E-01	1.40E-02	1.43E+00
3381	494363.09	3848377.25	0.18022	0.17086	1.0659	0.21954	1.37E-02	1.82E+00	1.18E-01	1.26E-02	1.97E+00	1.33E-02	7.70E-06	1.18E-02	2.46E-03	2.76E-02	1.50E-02	1.82E+00	1.18E-01	1.26E-02	1.97E+00
3382	494863.09	3848377.25	0.19067	0.2014	1.0957	0.22446	1.45E-02	2.15E+00	1.21E-01	1.28E-02	2.30E+00	1.41E-02	9.08E-06	1.21E-02	2.51E-03	2.88E-02	1.58E-02	2.15E+00	1.21E-01	1.28E-02	2.30E+00
3383	495363.09	3848377.25	0.19243	0.19298	1.3377	0.20391	1.47E-02	2.06E+00	1.48E-01	1.17E-02	2.23E+00	1.42E-02	8.70E-06	1.48E-02	2.28E-03	3.13E-02	1.60E-02	2.06E+00	1.48E-01	1.17E-02	2.23E+00
3384	495863.09	3848377.25	0.19354	0.18232	1.3148	0.18795	1.48E-02	1.95E+00	1.45E-01	1.07E-02	2.12E+00	1.43E-02	8.22E-06	1.45E-02	2.10E-03	3.10E-02	1.61E-02	1.95E+00	1.45E-01	1.07E-02	2.12E+00
3385	496363.09	3848377.25	0.19511	0.21548	1.0682	0.18876	1.49E-02	2.30E+00	1.18E-01	1.08E-02	2.44E+00	1.44E-02	9.71E-06	1.18E-02	2.11E-03	2.84E-02	1.62E-02	2.30E+00	1.18E-01	1.08E-02	2.44E+00
3386	496863.09	3848377.25	0.19676	0.25402	0.8163	0.19842	1.50E-02	2.71E+00	9.03E-02	1.13E-02	2.83E+00	1.46E-02	1.15E-05	9.03E-03	2.22E-03	2.58E-02	1.63E-02	2.71E+00	9.03E-02	1.13E-02	2.83E+00
3387	497363.09	3848377.25	0.19582	0.23319	0.9419	0.19633	1.49E-02	2.49E+00	1.04E-01	1.12E-02	2.62E+00	1.45E-02	1.05E-05	1.04E-02	2.20E-03	2.71E-02	1.63E-02	2.49E+00	1.04E-01	1.12E-02	2.62E+00
3388	497863.09	3848377.25	0.18098	0.16369	1.187	0.20075	1.38E-02	1.75E+00	1.31E-01	1.15E-02	1.90E+00	1.34E-02	7.38E-06	1.31E-02	2.25E-03	2.88E-02	1.50E-02	1.75E+00	1.31E-01	1.15E-02	1.90E+00
3389	498363.09	3848377.25	0.16963	0.09125	1.0962	0.21824	1.29E-02	9.74E-01	1.21E-01	1.25E-02	1.12E+00	1.26E-02	4.11E-06	1.21E-02	2.44E-03	2.71E-02	1.41E-02	9.74E-01	1.21E-01	1.25E-02	1.12E+00
3390	471363.09	3848877.25	0.77017	0.72811	0.6317	0.37482	5.87E-02	7.77E+00	6.98E-02	2.14E-02	7.92E+00	5.70E-02	3.28E-05	6.98E-03	4.20E-03	6.82E-02	6.39E-02	7.77E+00	6.98E-02	2.14E-02	7.93E+00
3391	471863.09	3848877.25	1.13426	0.73759	0.7216	0.34803	8.65E-02	7.87E+00	7.98E-02	1.99E-02	8.06E+00	8.40E-02	3.32E-05	7.98E-03	3.90E-03	9.59E-02	9.42E-02	7.87E+00	7.98E-02	1.99E-02	8.07E+00
3392	472363.09	3848877.25	1.23621	0.77333	0.8973	0.33059	9.42E-02	8.25E+00	9.92E-02	1.89E-02	8.47E+00	9.15E-02	3.49E-05	9.92E-03	3.70E-03	1.05E-01	1.03E-01	8.25E+00	9.92E-02	1.89E-02	8.47E+00
3393	472863.09	3848877.25	1.20681	0.70893	0.9785	0.41792	9.20E-02	7.57E+00	1.08E-01	2.39E-02	7.79E+00	8.93E-02	3.20E-05	1.08E-02	4.68E-03	1.05E-01	1.00E-01	7.57E+00	1.08E-01	2.39E-02	7.80E+00
3394	473363.09	3848877.25	1.33861	0.72882	0.9246	0.51553	1.02E-01	7.78E+00	1.02E-01	2.95E-02	8.01E+00	9.91E-02	3.29E-05	1.02E-02	5.77E-03	1.15E-01	1.11E-01	7.78E+00	1.02E-01	2.95E-02	8.02E+00
3395	473863.09	3848877.25	1.32465	0.76437	0.8265	0.61398	1.01E-01	8.16E+00	9.14E-02	3.51E-02	8.38E+00	9.81E-02	3.45E-05	9.14E-03	6.87E-03	1.14E-01	1.10E-01	8.16E+00	9.14E-02	3.51E-02	8.39E+00
3396	474363.09	3848877.25	1.45414	0.77112	0.8218	0.69898	1.11E-01	8.23E+00	9.09E-02	4.00E-02	8.47E+00	1.08E-01	3.48E-05	9.09E-03	7.82E-03	1.25E-01	1.21E-01	8.23E+00	9.09E-02	4.00E-02	8.48E+00
3397	474863.09	3848877.25	1.63893	0.79536	0.9475	0.75367	1.25E-01	8.49E+00	1.05E-01	4.31E-02	8.76E+00	1.21E-01	3.59E-05	1.05E-02	8.44E-03	1.40E-01	1.36E-01	8.49E+00	1.05E-01	4.31E-02	8.77E+00
3398	475363.09	3848877.25	1.6955	0.98461	1.1717	0.76238	1.29E-01	1.05E+01	1.30E-01	4.36E-02	1.08E+01	1.26E-01	4.44E-05	1.30E-02	8.53E-03	1.47E-01	1.41E-01	1.05E+01	1.30E-01	4.36E-02	1.08E+01
3399	475863.09	3848877.25	1.58104	0.82533	1.3853	0.71832	1.21E-01	8.81E+00	1.53E-01	4.11E-02	9.12E+00	1.17E-01	3.72E-05	1.53E-02	8.04E-03	1.40E-01	1.31E-01	8.81E+00	1.53E-01	4.11E-02	9.13E+00
3400	476363.09	3848877.25	1.54998	0.63929	1.5481	0.62933	1.18E-01	6.82E+00	1.71E-01	3.60E-02	7.15E+00	1.15E-01	2.88E-05	1.71E-02	7.04E-03	1.39E-01	1.29E-01	6.82E+00	1.71E-01	3.60E-02	7.16E+00
3401	476863.09	3848877.25	1.60964	0.71054	1.6238	0.51492	1.23E-01	7.58E+00	1.80E-01	2.94E-02	7.91E+00	1.19E-01	3.20E-05	1.80E-02	5.76E-03	1.43E-01	1.34E-01	7.58E+00	1.80E-01	2.94E-02	7.93E+00
3402	477363.09	3848877.25	2.22147	1.0784	1.5883	0.60281	1.69E-01	1.15E+01	1.76E-01	3.45E-02	1.19E+01	1.64E-01	4.86E-05	1.76E-02	6.75E-03	1.89E-01	1.84E-01	1.15E+01	1.76E-01	3.45E-02	1.19E+01
3403	477863.09	3848877.25	2.29037	0.73373	1.434	1.288	1.75E-01	7.83E+00	1.59E-01	7.37E-02	8.24E+00	1.70E-01	3.31E-05	1.59E-02	1.44E-02	2.00E-01	1.90E-01	7.83E+00	1.59E-01	7.37E-02	8.25E+00
3404	478363.09	3848877.25	2.33104	0.50584	1.1912	1.35322	1.78E-01	5.40E+00	1.32E-01	7.74E-02	5.78E+00	1.73E-01	2.28E-05	1.32E-02	1.51E-02	2.01E-01	1.94E-01	5.40E+00	1.32E-01	7.74E-02	5.80E+00
3405	478863.09	3848877.25	2.37542	0.55529	0.9076	1.36737	1.81E-01	5.93E+00	1.00E-01	7.82E-02	6.29E+00	1.76E-01	2.50E-05	1.00E-02	1.53E-02	2.01E-01	1.97E-01	5.93E+00	1.00E-01	7.82E-02	6.30E+00
3406	479363.09	3848877.25	1.81157	0.56308	1.0841	1.56652	1.38E-01	6.01E+00	1.20E-01	8.96E-02	6.36E+00	1.34E-01	2.54E-05	1.20E-02	1.75E-02	1.64E-01	1.50E-01	6.01E+00	1.20E-01	8.96E-02	6.37E+00
3407	479863.09	3848877.25	0.92996	0.28587	2.9876	0.95244	7.09E-02	3.05E+00	3.30E-01	5.45E-02	3.51E+00	6.88E-02	1.29E-05	3.30E-02	1.07E-02	1.13E-01	7.72E-02	3.05E+00	3.30E-01	5.45E-02	3.51E+00
3408	480363.09	3848877.25	1.08338	0.25732	5.3514	0.56731	8.26E-02	2.75E+00	5.92E-01	3.24E-02	3.45E+00	8.02E-02	1.16E-05	5.92E-02	6.35E-03	1.46E-01	8.99E-02	2.75E+00	5.92E-01	3.24E-02	3.46E+00
3409	480863.09	3848877.25	1.26744	0.25076	3.9473	0.43673	9.66E-02	2.68E+00	4.36E-01	2.50E-02	3.23E+00	9.38E-02	1.13E-05	4.36E-02	4.89E-03	1.42E-01	1.05E-01	2.68E+00	4.36E-01	2.50E-02	3.24E+00
3410	481363.09	3848877.25	0.85565	0.19769	0.8455	0.53891	6.52E-02	2.11E+00	9.35E-02	3.08E-02	2.30E+00	6.33E-02	8.91E-06	9.35E-03	6.03E-03	7.87E-02	7.10E-02	2.11E+00	9.35E-02	3.08E-02	2.31E+00
3411	481863.09	3848877.25	0.5533	0.14939	0.879	0.4986	4.22E-02	1.59E+00	9.72E-02	2.85E-02	1.76E+00	4.10E-02	6.73E-06	9.72E-03	5.58E-03	5.63E-02	4.59E-02	1.59E+00	9.72E-02	2.85E-02	1.77E+00
3412	482363.09	3848877.25	0.43272	0.29404	0.8252	0.48424	3.30E-02	3.14E+00	9.12E-02	2.77E-02	3.29E+00	3.20E-02	1.33E-05	9.12E-03	5.42E-03	4.66E-02	3.59E-02	3.14E+00	9.12E-02	2.77E-02	3.29E+00

3413	482863.09	3848877.25	0.42858	0.32355	0.9615	0.45446	3.27E-02	3.45E+00	1.06E-01	2.60E-02	3.62E+00	3.17E-02	1.46E-05	1.06E-02	5.09E-03	4.75E-02	3.56E-02	3.45E+00	1.06E-01	2.60E-02	3.62E+00
3414	483363.09	3848877.25	0.46155	0.27248	1.0055	0.4301	3.52E-02	2.91E+00	1.11E-01	2.46E-02	3.08E+00	3.42E-02	1.23E-05	1.11E-02	4.81E-03	5.01E-02	3.83E-02	2.91E+00	1.11E-01	2.46E-02	3.08E+00
3415	483863.09	3848877.25	0.39546	0.20602	1.2819	0.4121	3.01E-02	2.20E+00	1.42E-01	2.36E-02	2.39E+00	2.93E-02	9.29E-06	1.42E-02	4.61E-03	4.81E-02	3.28E-02	2.20E+00	1.42E-01	2.36E-02	2.40E+00
3416	484363.09	3848877.25	0.66671	0.18654	1.6057	0.39025	5.08E-02	1.99E+00	1.78E-01	2.23E-02	2.24E+00	4.94E-02	8.41E-06	1.78E-02	4.37E-03	7.15E-02	5.54E-02	1.99E+00	1.78E-01	2.23E-02	2.25E+00
3417	484863.09	3848877.25	0.66793	0.17702	2.1362	0.37666	5.09E-02	1.89E+00	2.36E-01	2.15E-02	2.20E+00	4.94E-02	7.98E-06	2.36E-02	4.22E-03	7.73E-02	5.55E-02	1.89E+00	2.36E-01	2.15E-02	2.20E+00
3418	485363.09	3848877.25	0.64457	0.30113	2.1679	0.30291	4.91E-02	3.21E+00	2.40E-01	1.73E-02	3.52E+00	4.77E-02	1.36E-05	2.40E-02	3.39E-03	7.51E-02	5.35E-02	3.21E+00	2.40E-01	1.73E-02	3.52E+00
3419	485863.09	3848877.25	0.41684	0.28289	1.8318	0.32336	3.18E-02	3.02E+00	2.03E-01	1.85E-02	3.27E+00	3.09E-02	1.28E-05	2.03E-02	3.62E-03	5.47E-02	3.46E-02	3.02E+00	2.03E-01	1.85E-02	3.27E+00
3420	486363.09	3848877.25	0.37363	0.2792	1.1815	0.37974	2.85E-02	2.98E+00	1.31E-01	2.17E-02	3.16E+00	2.77E-02	1.26E-05	1.31E-02	4.25E-03	4.50E-02	3.10E-02	2.98E+00	1.31E-01	2.17E-02	3.16E+00
3421	486863.09	3848877.25	0.3053	0.35171	1.1285	0.39058	2.33E-02	3.75E+00	1.25E-01	2.23E-02	3.92E+00	2.26E-02	1.59E-05	1.25E-02	4.37E-03	3.95E-02	2.53E-02	3.75E+00	1.25E-01	2.23E-02	3.93E+00
3422	487363.09	3848877.25	0.28061	0.23931	1.3396	0.39988	2.14E-02	2.55E+00	1.48E-01	2.29E-02	2.75E+00	2.08E-02	1.08E-05	1.48E-02	4.48E-03	4.01E-02	2.33E-02	2.55E+00	1.48E-01	2.29E-02	2.75E+00
3423	487863.09	3848877.25	0.20349	0.14758	1.5392	0.39967	1.55E-02	1.57E+00	1.70E-01	2.29E-02	1.78E+00	1.51E-02	6.65E-06	1.70E-02	4.47E-03	3.66E-02	1.69E-02	1.57E+00	1.70E-01	2.29E-02	1.78E+00
3424	488363.09	3848877.25	0.20221	0.1471	2.2774	0.46168	1.54E-02	1.57E+00	2.52E-01	2.64E-02	1.86E+00	1.50E-02	6.63E-06	2.52E-02	5.17E-03	4.53E-02	1.68E-02	1.57E+00	2.52E-01	2.64E-02	1.86E+00
3425	488863.09	3848877.25	0.24484	0.15665	2.5726	0.48351	1.87E-02	1.67E+00	2.84E-01	2.76E-02	2.00E+00	1.81E-02	7.06E-06	2.84E-02	5.41E-03	5.20E-02	2.03E-02	1.67E+00	2.84E-01	2.76E-02	2.00E+00
3426	489363.09	3848877.25	0.26531	0.17335	1.7276	0.42279	2.02E-02	1.85E+00	1.91E-01	2.42E-02	2.09E+00	1.96E-02	7.81E-06	1.91E-02	4.73E-03	4.35E-02	2.20E-02	1.85E+00	1.91E-01	2.42E-02	2.09E+00
3427	489863.09	3848877.25	0.35227	0.19903	2.1713	0.29736	2.69E-02	2.12E+00	2.40E-01	1.70E-02	2.41E+00	2.61E-02	8.97E-06	2.40E-02	3.33E-03	5.34E-02	2.92E-02	2.12E+00	2.40E-01	1.70E-02	2.41E+00
3428	490363.09	3848877.25	0.41985	0.19912	1.9833	0.257	3.20E-02	2.12E+00	2.19E-01	1.47E-02	2.39E+00	3.11E-02	8.98E-06	2.19E-02	2.88E-03	5.59E-02	3.49E-02	2.12E+00	2.19E-01	1.47E-02	2.39E+00
3429	490863.09	3848877.25	0.42471	0.17381	1.6974	0.28408	3.24E-02	1.85E+00	1.88E-01	1.62E-02	2.09E+00	3.14E-02	7.84E-06	1.88E-02	3.18E-03	5.34E-02	3.53E-02	1.85E+00	1.88E-01	1.62E-02	2.09E+00
3430	491363.09	3848877.25	0.42229	0.13914	1.4558	0.29449	3.22E-02	1.48E+00	1.61E-01	1.68E-02	1.69E+00	3.13E-02	6.27E-06	1.61E-02	3.30E-03	5.07E-02	3.51E-02	1.48E+00	1.61E-01	1.68E-02	1.70E+00
3431	491863.09	3848877.25	0.42009	0.10862	1.0483	0.27125	3.20E-02	1.16E+00	1.16E-01	1.55E-02	1.32E+00	3.11E-02	4.90E-06	1.16E-02	3.04E-03	4.57E-02	3.49E-02	1.16E+00	1.16E-01	1.55E-02	1.33E+00
3432	492363.09	3848877.25	0.41304	0.08313	0.9605	0.22686	3.15E-02	8.87E-01	1.06E-01	1.30E-02	1.04E+00	3.06E-02	3.75E-06	1.06E-02	2.54E-03	4.37E-02	3.43E-02	8.87E-01	1.06E-01	1.30E-02	1.04E+00
3433	492863.09	3848877.25	0.36334	0.08189	1.2498	0.26494	2.77E-02	8.74E-01	1.38E-01	1.52E-02	1.05E+00	2.69E-02	3.69E-06	1.38E-02	2.97E-03	4.37E-02	3.02E-02	8.74E-01	1.38E-01	1.52E-02	1.06E+00
3434	493363.09	3848877.25	0.22341	0.10701	1.3466	0.21349	1.70E-02	1.14E+00	1.49E-01	1.22E-02	1.32E+00	1.65E-02	4.82E-06	1.49E-02	2.39E-03	3.38E-02	1.85E-02	1.14E+00	1.49E-01	1.22E-02	1.32E+00
3435	493863.09	3848877.25	0.18892	0.16101	1.2098	0.22505	1.44E-02	1.72E+00	1.34E-01	1.29E-02	1.88E+00	1.40E-02	7.26E-06	1.34E-02	2.52E-03	2.99E-02	1.57E-02	1.72E+00	1.34E-01	1.29E-02	1.88E+00
3436	494363.09	3848877.25	0.19337	0.20043	0.9843	0.22092	1.47E-02	2.14E+00	1.09E-01	1.26E-02	2.28E+00	1.43E-02	9.04E-06	1.09E-02	2.47E-03	2.77E-02	1.61E-02	2.14E+00	1.09E-01	1.26E-02	2.28E+00
3437	494863.09	3848877.25	0.19421	0.19837	1.3567	0.21308	1.48E-02	2.12E+00	1.50E-01	1.22E-02	2.29E+00	1.44E-02	8.94E-06	1.50E-02	2.39E-03	3.18E-02	1.61E-02	2.12E+00	1.50E-01	1.22E-02	2.30E+00
3438	495363.09	3848877.25	0.19546	0.17958	1.4226	0.19612	1.49E-02	1.92E+00	1.57E-01	1.12E-02	2.10E+00	1.45E-02	8.10E-06	1.57E-02	2.20E-03	3.24E-02	1.62E-02	1.92E+00	1.57E-01	1.12E-02	2.10E+00
3439	495863.09	3848877.25	0.19719	0.20352	1.119	0.17855	1.50E-02	2.17E+00	1.24E-01	1.02E-02	2.32E+00	1.46E-02	9.17E-06	1.24E-02	2.00E-03	2.90E-02	1.64E-02	2.17E+00	1.24E-01	1.02E-02	2.32E+00
3440	496363.09	3848877.25	0.19894	0.25195	0.8416	0.19556	1.52E-02	2.69E+00	9.30E-02	1.12E-02	2.81E+00	1.47E-02	1.14E-05	9.30E-03	2.19E-03	2.62E-02	1.65E-02	2.69E+00	9.30E-02	1.12E-02	2.81E+00
3441	496863.09	3848877.25	0.19639	0.24653	0.9819	0.20149	1.50E-02	2.63E+00	1.09E-01	1.15E-02	2.77E+00	1.45E-02	1.11E-05	1.09E-02	2.26E-03	2.77E-02	1.63E-02	2.63E+00	1.09E-01	1.15E-02	2.77E+00
3442	497363.09	3848877.25	0.17444	0.18106	1.1742	0.21543	1.33E-02	1.93E+00	1.30E-01	1.23E-02	2.09E+00	1.29E-02	8.16E-06	1.30E-02	2.41E-03	2.83E-02	1.45E-02	1.93E+00	1.30E-01	1.23E-02	2.09E+00
3443	497863.09	3848877.25	0.17908	0.1048	1.1331	0.24511	1.36E-02	1.12E+00	1.25E-01	1.40E-02	1.27E+00	1.33E-02	4.72E-06	1.25E-02	2.74E-03	2.85E-02	1.49E-02	1.12E+00	1.25E-01	1.40E-02	1.27E+00
3444	498363.09	3848877.25	0.23513	0.09031	0.9581	0.25705	1.79E-02	9.64E-01	1.06E-01	1.47E-02	1.10E+00	1.74E-02	4.07E-06	1.06E-02	2.88E-03	3.09E-02	1.95E-02	9.64E-01	1.06E-01	1.47E-02	1.10E+00
3445	471363.09	3849377.25	1.13136	0.70051	0.6773	0.34937	8.62E-02	7.48E+00	7.49E-02	2.00E-02	7.66E+00	8.38E-02	3.16E-05	7.49E-03	3.91E-03	9.52E-02	9.39E-02	7.48E+00	7.49E-02	2.00E-02	7.66E+00
3446	471863.09	3849377.25	1.00242	0.81662	0.6755	0.37609	7.64E-02	8.71E+00	7.47E-02	2.15E-02	8.89E+00	7.42E-02	3.68E-05	7.47E-03	4.21E-03	8.59E-02	8.32E-02	8.71E+00	7.47E-02	2.15E-02	8.89E+00
3447	472363.09	3849377.25	0.8671	0.79681	0.6581	0.37095	6.61E-02	8.50E+00	7.28E-02	2.12E-02	8.66E+00	6.42E-02	3.59E-05	7.28E-03	4.15E-03	7.57E-02	7.20E-02	8.50E+00	7.28E-02	2.12E-02	8.67E+00
3448	472863.09	3849377.25	1.22972	0.84902	0.7984	0.33036	9.37E-02	9.06E+00	8.83E-02	1.89E-02	9.26E+00	9.10E-02	3.83E-05	8.83E-03	3.70E-03	1.04E-01	1.02E-01	9.06E+00	8.83E-02	1.89E-02	9.27E+00
3449	473363.09	3849377.25	1.30395	0.77894	0.9626	0.39993	9.94E-02	8.31E+00	1.06E-01	2.29E-02	8.54E+00	9.65E-02	3.51E-05	1.06E-02	4.48E-03	1.12E-01	1.08E-01	8.31E+00	1.06E-01	2.29E-02	8.55E+00
3450	473863.09	3849377.25	1.33863	0.81453	1.0041	0.50239	1.02E-01	8.69E+00	1.11E-01	2.87E-02	8.93E+00	9.91E-02	3.67E-05	1.11E-02	5.62E-03	1.16E-01	1.11E-01	8.69E+00	1.11E-01	2.87E-02	8.94E+00
3451	474363.09	3849377.25	1.38683	0.7752	0.8906	0.61066	1.06E-01	8.27E+00	9.85E-02	3.49E-02	8.51E+00	1.03E-01	3.49E-05	9.85E-03	6.84E-03	1.19E-01	1.15E-01	8.27E+00	9.85E-02	3.49E-02	8.52E+00
3452	474863.09	3849377.25	1.4939	0.81288	0.8696	0.70991	1.14E-01	8.67E+00	9.61E-02	4.06E-02	8.93E+00	1.11E-01	3.66E-05	9.61E-03	7.95E-03	1.28E-01	1.24E-01	8.67E+00	9.61E-02	4.06E-02	8.94E+00
3453	475363.09	3849377.25	1.65742	0.97277	0.9073	0.7805	1.26E-01	1.04E+01	1.00E-01	4.46E-02	1.07E+01	1.23E-01	4.39E-05	1.00E-02	8.74E-03	1.42E-01	1.38E-01	1.04E+01	1.00E-01	4.46E-02	1.07E+01
3454	475863.09	3849377.25	1.47645	1.24541	1.1487	0.80277	1.13E-01	1.33E+01	1.27E-01	4.59E-02	1.36E+01	1.09E-01	5.61E-05	1.27E-02	8.99E-03	1.31E-01	1.23E-01	1.33E+01	1.27E-01	4.59E-02	1.36E+01
3455	476363.09	3849377.25	1.63265	1.08783	1.3879	0.76597	1.24E-01	1.16E+01	1.53E-01	4.38E-02	1.19E+01	1.21E-01	4.90E-05	1.53E-02	8.57E-03	1.45E-01	1.36E-01	1.16E+01	1.53E-01	4.38E-02	1.19E+01
3456	476863.09	3849377.25	1.81099	0.95839	1.5845	0.67512	1.38E-01	1.02E+01	1.75E-01	3.86E-02	1.06E+01	1.34E-01	4.32E-05	1.75E-02	7.56E-03	1.59E-01	1.50E-01	1.02E+01	1.75E-01	3.86E-02	1.06E+01
3457	477363.09	3849377.25	1.6142	1.1389	1.6948	0.5515	1.23E-01	1.22E+01	1.87E-01	3.15E-02	1.25E+01	1.20E-01	5.13E-05	1.87E-02	6.17E-03	1.44E-01	1.34E-01	1.22E+01	1.87E-01	3.15E-02	1.25E+01
3458	477863.09	3849377.25	2.34748	1.08382	1.6827	0.71773	1.79E-01	1.16E+01	1.86E-01	4.10E-02	1.20E+01	1.74E-01	4.89E-05	1.86E-02	8.03E-03	2.00E-01	1.95E-01	1.16E+01	1.86E-01	4.10E-02	1.20E+01
3459	478363.09	3849377.25	2.39352	0.80566	1.5377	1.27557	1.82E-01	8.60E+00	1.70E-01	7.29E-02	9.02E+00	1.77E-01	3.63E-05	1.70E-02	1.43E-02	2.09E-01	1.99E-01	8.60E+00	1.70E-01	7.29E-02	9.04E+00
3460	478863.09	3849377.25	2.53344	0.50816	1.2832	1.342	1.93E-01	5.42E+00	1.42E-01	7.67E-02	5.83E+00	1.88E-01	2.29E-05	1.42E-02	1.50E-02	2.17E-01	2.10E-01	5.42E+00	1.42E-01	7.67E-02	5.85E+00
3461	479363.09	3849377.25	2.67176	0.56241	0.9764	1.3718	2.04E-01	6.00E+00	1.08E-01	7.84E-02	6.39E+00	1.98E-01	2.54E-05	1.08E-02	1.54E-02	2.24E-01	2.22E-01	6.00E+00	1.08E-01	7.84E-02	6.41E+00
3462	479863.09	3849377.25	1.77655	0.56818	1.3067	2.09302	1.35E-01	6.06E+00	1.44E-01	1.20E-01	6.46E+00	1.32E-01	2.56E-05	1.44E-02	2.34E-02	1.69E-01	1.47E-01	6.06E+00	1.44E-01	1.20E-01	6.48E+00
3463	480363.09	3849377.25	1.4933	0.57311	4.9467	2.21234	1.14E-01	6.12E+00	5.47E-01	1.27E-01	6.90E+00	1.11E-01	2.58E-05	5.47E-02	2.48E-02	1.90E-01	1.24E-01	6.12E+00	5.47E-01	1.27E-01	6.91E+00
3464	480863.09	3849377.25	1.80479	0.48431	7.5725	0.90828	1.38E-01	5.17E+00	8.37E-01	5.19E-02	6.20E+00	1.34E-01	2.18E-05	8.37E-02	1.02E-02	2.28E-01	1.50E-01	5.17E+00	8.37E-01	5.19E-02	6.21E+00
3465	481363.09	3849377.25	1.06587	0.27526	2.4026	0.53223	8.12E-02	2.94E+00	2.66E-01	3.04E-02	3.31E+00	7.89E-02	1.24E-05	2.66E-02	5.96E-03	1.11E-01	8.85E-02	2.94E+00	2.66E-01	3.04E-02	3.32E+00
3466	481863.09	3849377.25	0.52114	0.15838	0.8985	0.5131	3.97E-02	1.69E+00	9.93E-02	2.93E-02	1.86E+00	3.86E-02	7.14E-06	9.93E-03	5.74E-03	5.43E-02	4.33E-02	1.69E+00	9.93E-02	2.93E-02	1.86E+00
3467	482363.09	3849377.25	0.40439	0.27762	0.8645	0.50419	3.08E-02	2.96E+00	9.56E-02	2.88E-02	3.12E+00	2.99E-02	1.25E-05	9.56E-03	5.64E-03	4.52E-02	3.36E-02	2.96E+00	9.56E-02	2.88E-02	3.12E+00
3468	482863.09	3849377.25	0.37499	0.32503	0.9315	0.46984	2.86E-02	3.47E+00	1.03E-01	2.69E-02	3.63E+00	2.78E-02	1.47E-05	1.03E-02	5.26E-03	4.33E-02	3.11E-02	3.47E+00	1.03E-01	2.69E-02	3.63E+00
3469	483363.09	3849377.25	0.47659	0.28224	1.0411	0.44113	3.63E-02	3.01E+00	1.15E-01	2.52E-02	3.19E+00	3.53E-02	1.27E-05	1.15E-02	4.94E-03	5.17E-02	3.96E-02	3.01E+00	1.15E-01	2.52E-02	3.19E+00
3470	483863.09	3849377.25	0.39959	0.21482	1.1755	0.42413	3.05E-02	2.29E+00	1.30E-01	2.43E-02	2.48E+00	2.96E-02	9.68E-06	1.30E-02	4.75E-03	4.73E-02	3.32E-02	2.29E+00	1.30E-01	2.43E-02	2.48E+00
3471	484363.09	3849377.25	0.67012	0.19557	1.5606	0.40888	5.11E-02	2.09E+00	1.73E-01	2.34E-02	2.33E+00	4.96E-02	8.82E-06	1.73E-02	4.58E-03	7.15E-02	5.56E-02	2.09E+00	1.73E-01	2.34E-02	2.34E+00
3472	484863.09	3849377.25	0.67035	0.1648	1.8915	0.38695	5.11E-02	1.76E+00	2.09E-01	2.21E-02	2.04E+00	4.96E-02	7.43E-06	2.09E-02	4.33E-03	7.49E-02	5.57E-02	1.76E+00	2.09E-01	2.21E-02	2.05E+00
3473	485363.09	3849377.25	0.65388	0.29729	2.3646	0.32298	4.98E-02	3.17E+00	2.61E-01	1.85E-02	3.50E+00	4.84E-02	1.34E-05	2.61E-02	3.62E-03	7.82E-02	5.43E-02	3.17E+00	2.61E-01	1.85E-02	3.51E+00

3474	485863.09	3849377.25	0.45079	0.29067	1.7711	0.35522	3.44E-02	3.10E+00	1.96E-01	2.03E-02	3.35E+00	3.34E-02	1.31E-05	1.96E-02	3.98E-03	5.69E-02	3.74E-02	3.10E+00	1.96E-01	2.03E-02	3.36E+00
3475	486363.09	3849377.25	0.33394	0.26905	1.2038	0.38112	2.55E-02	2.87E+00	1.33E-01	2.18E-02	3.05E+00	2.47E-02	1.21E-05	1.33E-02	4.27E-03	4.23E-02	2.77E-02	2.87E+00	1.33E-01	2.18E-02	3.05E+00
3476	486863.09	3849377.25	0.32524	0.35304	1.194	0.41288	2.48E-02	3.77E+00	1.32E-01	2.36E-02	3.95E+00	2.41E-02	1.59E-05	1.32E-02	4.62E-03	4.19E-02	2.70E-02	3.77E+00	1.32E-01	2.36E-02	3.95E+00
3477	487363.09	3849377.25	0.28491	0.26457	1.383	0.39178	2.17E-02	2.82E+00	1.53E-01	2.24E-02	3.02E+00	2.11E-02	1.19E-05	1.53E-02	4.39E-03	4.08E-02	2.37E-02	2.82E+00	1.53E-01	2.24E-02	3.02E+00
3478	487863.09	3849377.25	0.29013	0.16549	1.6065	0.40457	2.21E-02	1.77E+00	1.78E-01	2.31E-02	1.99E+00	2.15E-02	7.46E-06	1.78E-02	4.53E-03	4.38E-02	2.41E-02	1.77E+00	1.78E-01	2.31E-02	1.99E+00
3479	488363.09	3849377.25	0.29569	0.1596	2.3675	0.46413	2.25E-02	1.70E+00	2.62E-01	2.65E-02	2.01E+00	2.19E-02	7.19E-06	2.62E-02	5.20E-03	5.33E-02	2.45E-02	1.70E+00	2.62E-01	2.65E-02	2.02E+00
3480	488863.09	3849377.25	0.27391	0.16585	2.5907	0.4864	2.09E-02	1.77E+00	2.86E-01	2.78E-02	2.11E+00	2.03E-02	7.48E-06	2.86E-02	5.44E-03	5.44E-02	2.27E-02	1.77E+00	2.86E-01	2.78E-02	2.11E+00
3481	489363.09	3849377.25	0.32797	0.19692	1.624	0.42187	2.50E-02	2.10E+00	1.80E-01	2.41E-02	2.33E+00	2.43E-02	8.88E-06	1.80E-02	4.72E-03	4.70E-02	2.72E-02	2.10E+00	1.80E-01	2.41E-02	2.33E+00
3482	489863.09	3849377.25	0.41914	0.20377	2.3022	0.29258	3.19E-02	2.17E+00	2.55E-01	1.67E-02	2.48E+00	3.10E-02	9.19E-06	2.55E-02	3.28E-03	5.98E-02	3.48E-02	2.17E+00	2.55E-01	1.67E-02	2.48E+00
3483	490363.09	3849377.25	0.42657	0.18302	2.3163	0.27065	3.25E-02	1.95E+00	2.56E-01	1.55E-02	2.26E+00	3.16E-02	8.25E-06	2.56E-02	3.03E-03	6.02E-02	3.54E-02	1.95E+00	2.56E-01	1.55E-02	2.26E+00
3484	490863.09	3849377.25	0.42346	0.14797	2.1622	0.2951	3.23E-02	1.58E+00	2.39E-01	1.69E-02	1.87E+00	3.14E-02	6.67E-06	2.39E-02	3.30E-03	5.86E-02	3.52E-02	1.58E+00	2.39E-01	1.69E-02	1.87E+00
3485	491363.09	3849377.25	0.42093	0.11647	1.9917	0.29798	3.21E-02	1.24E+00	2.20E-01	1.70E-02	1.51E+00	3.12E-02	5.25E-06	2.20E-02	3.34E-03	5.65E-02	3.49E-02	1.24E+00	2.20E-01	1.70E-02	1.52E+00
3486	491863.09	3849377.25	0.41702	0.08885	1.0276	0.26156	3.18E-02	9.48E-01	1.14E-01	1.50E-02	1.11E+00	3.09E-02	4.01E-06	1.14E-02	2.93E-03	4.52E-02	3.46E-02	9.48E-01	1.14E-01	1.50E-02	1.11E+00
3487	492363.09	3849377.25	0.38549	0.08579	1.1824	0.28155	2.94E-02	9.16E-01	1.31E-01	1.61E-02	1.09E+00	2.85E-02	3.87E-06	1.31E-02	3.15E-03	4.48E-02	3.20E-02	9.16E-01	1.31E-01	1.61E-02	1.09E+00
3488	492863.09	3849377.25	0.262	0.10015	1.398	0.31029	2.00E-02	1.07E+00	1.55E-01	1.77E-02	1.26E+00	1.94E-02	4.51E-06	1.55E-02	3.47E-03	3.83E-02	2.18E-02	1.07E+00	1.55E-01	1.77E-02	1.26E+00
3489	493363.09	3849377.25	0.19459	0.14979	1.3508	0.24024	1.48E-02	1.60E+00	1.49E-01	1.37E-02	1.78E+00	1.44E-02	6.75E-06	1.49E-02	2.69E-03	3.20E-02	1.62E-02	1.60E+00	1.49E-01	1.37E-02	1.78E+00
3490	493863.09	3849377.25	0.19568	0.19719	1.0884	0.23066	1.49E-02	2.10E+00	1.20E-01	1.32E-02	2.25E+00	1.45E-02	8.89E-06	1.20E-02	2.58E-03	2.91E-02	1.62E-02	2.10E+00	1.20E-01	1.32E-02	2.25E+00
3491	494363.09	3849377.25	0.1963	0.20409	1.3354	0.21834	1.50E-02	2.18E+00	1.48E-01	1.25E-02	2.35E+00	1.45E-02	9.20E-06	1.48E-02	2.44E-03	3.17E-02	1.63E-02	2.18E+00	1.48E-01	1.25E-02	2.35E+00
3492	494863.09	3849377.25	0.19781	0.18028	1.8471	0.25358	1.51E-02	1.92E+00	2.04E-01	1.45E-02	2.16E+00	1.46E-02	8.13E-06	2.04E-02	2.84E-03	3.79E-02	1.64E-02	1.92E+00	2.04E-01	1.45E-02	2.16E+00
3493	495363.09	3849377.25	0.1999	0.19131	1.5867	0.23266	1.52E-02	2.04E+00	1.75E-01	1.33E-02	2.25E+00	1.48E-02	8.62E-06	1.75E-02	2.60E-03	3.50E-02	1.66E-02	2.04E+00	1.75E-01	1.33E-02	2.25E+00
3494	495863.09	3849377.25	0.20157	0.24569	0.8727	0.19416	1.54E-02	2.62E+00	9.65E-02	1.11E-02	2.74E+00	1.49E-02	1.11E-05	9.65E-03	2.17E-03	2.68E-02	1.67E-02	2.62E+00	9.65E-02	1.11E-02	2.75E+00
3495	496363.09	3849377.25	0.1962	0.25774	0.953	0.19587	1.50E-02	2.75E+00	1.05E-01	1.12E-02	2.88E+00	1.45E-02	1.16E-05	1.05E-02	2.19E-03	2.73E-02	1.63E-02	2.75E+00	1.05E-01	1.12E-02	2.88E+00
3496	496863.09	3849377.25	0.17092	0.19901	1.0371	0.22965	1.30E-02	2.12E+00	1.15E-01	1.31E-02	2.26E+00	1.27E-02	8.97E-06	1.15E-02	2.57E-03	2.67E-02	1.42E-02	2.12E+00	1.15E-01	1.31E-02	2.27E+00
3497	497363.09	3849377.25	0.25028	0.11963	1.1714	0.20562	1.91E-02	1.28E+00	1.30E-01	1.18E-02	1.44E+00	1.85E-02	5.39E-06	1.30E-02	2.30E-03	3.38E-02	2.08E-02	1.28E+00	1.30E-01	1.18E-02	1.44E+00
3498	497863.09	3849377.25	0.31248	0.10311	1.4088	0.26951	2.38E-02	1.10E+00	1.56E-01	1.54E-02	1.30E+00	2.31E-02	4.65E-06	1.56E-02	3.02E-03	4.17E-02	2.59E-02	1.10E+00	1.56E-01	1.54E-02	1.30E+00
3499	498363.09	3849377.25	0.34131	0.12025	1.3394	0.25765	2.60E-02	1.28E+00	1.48E-01	1.47E-02	1.47E+00	2.53E-02	5.42E-06	1.48E-02	2.88E-03	4.30E-02	2.83E-02	1.28E+00	1.48E-01	1.47E-02	1.47E+00
3500	471363.09	3849877.25	1.00881	0.53336	1.1935	0.36849	7.69E-02	5.69E+00	1.32E-01	2.11E-02	5.92E+00	7.47E-02	2.40E-05	1.32E-02	4.12E-03	9.20E-02	8.38E-02	5.69E+00	1.32E-01	2.11E-02	5.93E+00
3501	471863.09	3849877.25	1.07949	0.61836	0.8268	0.3353	8.23E-02	6.60E+00	9.14E-02	1.92E-02	6.79E+00	7.99E-02	2.79E-05	9.14E-03	3.75E-03	9.28E-02	8.96E-02	6.60E+00	9.14E-02	1.92E-02	6.80E+00
3502	472363.09	3849877.25	1.23857	0.82222	0.7106	0.36126	9.44E-02	8.77E+00	7.86E-02	2.07E-02	8.97E+00	9.17E-02	3.71E-05	7.86E-03	4.04E-03	1.04E-01	1.03E-01	8.77E+00	7.86E-02	2.07E-02	8.98E+00
3503	472863.09	3849877.25	1.11677	0.88449	0.7076	0.37914	8.51E-02	9.44E+00	7.82E-02	2.17E-02	9.62E+00	8.27E-02	3.99E-05	7.82E-03	4.24E-03	9.48E-02	9.27E-02	9.44E+00	7.82E-02	2.17E-02	9.63E+00
3504	473363.09	3849877.25	0.97057	0.8494	0.6866	0.36009	7.40E-02	9.06E+00	7.59E-02	2.06E-02	9.24E+00	7.19E-02	3.83E-05	7.59E-03	4.03E-03	8.35E-02	8.06E-02	9.06E+00	7.59E-02	2.06E-02	9.24E+00
3505	473863.09	3849877.25	1.33566	0.92554	0.8783	0.37943	1.02E-01	9.88E+00	9.71E-02	2.17E-02	1.01E+01	9.89E-02	4.17E-05	9.71E-03	4.25E-03	1.13E-01	1.11E-01	9.88E+00	9.71E-02	2.17E-02	1.01E+01
3506	474363.09	3849877.25	1.36329	0.85726	1.0219	0.4855	1.04E-01	9.15E+00	1.13E-01	2.78E-02	9.39E+00	1.01E-01	3.86E-05	1.13E-02	5.43E-03	1.18E-01	1.13E-01	9.15E+00	1.13E-01	2.78E-02	9.40E+00
3507	474863.09	3849877.25	1.46153	0.83849	1.0089	0.60284	1.11E-01	8.95E+00	1.12E-01	3.45E-02	9.21E+00	1.08E-01	3.78E-05	1.12E-02	6.75E-03	1.26E-01	1.21E-01	8.95E+00	1.12E-01	3.45E-02	9.22E+00
3508	475363.09	3849877.25	1.50004	0.87725	0.8886	0.71697	1.14E-01	9.36E+00	9.82E-02	4.10E-02	9.62E+00	1.11E-01	3.95E-05	9.82E-03	8.03E-03	1.29E-01	1.25E-01	9.36E+00	9.82E-02	4.10E-02	9.63E+00
3509	475863.09	3849877.25	1.67692	0.96174	0.8907	0.80597	1.28E-01	1.03E+01	9.85E-02	4.61E-02	1.05E+01	1.24E-01	4.34E-05	9.85E-03	9.02E-03	1.43E-01	1.39E-01	1.03E+01	9.85E-02	4.61E-02	1.05E+01
3510	476363.09	3849877.25	1.75697	1.28992	1.1122	0.84543	1.34E-01	1.38E+01	1.23E-01	4.83E-02	1.41E+01	1.30E-01	5.81E-05	1.23E-02	9.46E-03	1.52E-01	1.46E-01	1.38E+01	1.23E-01	4.83E-02	1.41E+01
3511	476863.09	3849877.25	1.69242	1.25559	1.3787	0.81842	1.29E-01	1.34E+01	1.52E-01	4.68E-02	1.37E+01	1.25E-01	5.66E-05	1.52E-02	9.16E-03	1.50E-01	1.41E-01	1.34E+01	1.52E-01	4.68E-02	1.37E+01
3512	477363.09	3849877.25	1.60251	1.18711	1.6138	0.7265	1.22E-01	1.27E+01	1.78E-01	4.15E-02	1.30E+01	1.19E-01	5.35E-05	1.78E-02	8.13E-03	1.45E-01	1.33E-01	1.27E+01	1.78E-01	4.15E-02	1.30E+01
3513	477863.09	3849877.25	1.79525	1.4993	1.764	0.59271	1.37E-01	1.60E+01	1.95E-01	3.39E-02	1.64E+01	1.33E-01	6.76E-05	1.95E-02	6.63E-03	1.59E-01	1.49E-01	1.60E+01	1.95E-01	3.39E-02	1.64E+01
3514	478363.09	3849877.25	2.55449	1.29694	1.7835	0.65704	1.95E-01	1.38E+01	1.97E-01	3.76E-02	1.43E+01	1.89E-01	5.85E-05	1.97E-02	7.36E-03	2.16E-01	2.12E-01	1.38E+01	1.97E-01	3.76E-02	1.43E+01
3515	478863.09	3849877.25	2.41562	0.93759	1.6524	1.04577	1.84E-01	1.00E+01	1.83E-01	5.98E-02	1.04E+01	1.79E-01	4.23E-05	1.83E-02	1.17E-02	2.09E-01	2.01E-01	1.00E+01	1.83E-01	5.98E-02	1.04E+01
3516	479363.09	3849877.25	2.83145	0.56603	1.388	1.23624	2.16E-01	6.04E+00	1.53E-01	7.07E-02	6.48E+00	2.10E-01	2.55E-05	1.53E-02	1.38E-02	2.39E-01	2.35E-01	6.04E+00	1.53E-01	7.07E-02	6.50E+00
3517	479863.09	3849877.25	3.32598	0.67685	1.0564	1.11529	2.54E-01	7.22E+00	1.17E-01	6.38E-02	7.66E+00	2.46E-01	3.05E-05	1.17E-02	1.25E-02	2.70E-01	2.76E-01	7.22E+00	1.17E-01	6.38E-02	7.68E+00
3518	480363.09	3849877.25	2.41481	0.5802	1.3156	1.6895	1.84E-01	6.19E+00	1.45E-01	9.66E-02	6.62E+00	1.79E-01	2.62E-05	1.45E-02	1.89E-02	2.12E-01	2.00E-01	6.19E+00	1.45E-01	9.66E-02	6.63E+00
3519	480863.09	3849877.25	1.58897	0.56433	4.4921	0.88024	1.21E-01	6.02E+00	4.97E-01	5.03E-02	6.69E+00	1.18E-01	2.54E-05	4.97E-02	9.85E-03	1.77E-01	1.32E-01	6.02E+00	4.97E-01	5.03E-02	6.70E+00
3520	481363.09	3849877.25	1.68465	0.44333	5.4938	0.53669	1.28E-01	4.73E+00	6.07E-01	3.07E-02	5.50E+00	1.25E-01	2.00E-05	6.07E-02	6.01E-03	1.91E-01	1.40E-01	4.73E+00	6.07E-01	3.07E-02	5.51E+00
3521	481863.09	3849877.25	0.88951	0.18191	0.9291	0.52588	6.78E-02	1.94E+00	1.03E-01	3.01E-02	2.14E+00	6.59E-02	8.20E-06	1.03E-02	5.89E-03	8.20E-02	7.38E-02	1.94E+00	1.03E-01	3.01E-02	2.15E+00
3522	482363.09	3849877.25	0.44462	0.25763	0.9555	0.5264	3.39E-02	2.75E+00	1.06E-01	3.01E-02	2.92E+00	3.29E-02	1.16E-05	1.06E-02	5.89E-03	4.94E-02	3.69E-02	2.75E+00	1.06E-01	3.01E-02	2.92E+00
3523	482863.09	3849877.25	0.39263	0.32463	0.8646	0.48863	2.99E-02	3.46E+00	9.56E-02	2.79E-02	3.62E+00	2.91E-02	1.46E-05	9.56E-03	5.47E-03	4.41E-02	3.26E-02	3.46E+00	9.56E-02	2.79E-02	3.62E+00
3524	483363.09	3849877.25	0.47326	0.29089	1.0392	0.45225	3.61E-02	3.10E+00	1.15E-01	2.59E-02	3.28E+00	3.50E-02	1.31E-05	1.15E-02	5.06E-03	5.16E-02	3.93E-02	3.10E+00	1.15E-01	2.59E-02	3.28E+00
3525	483863.09	3849877.25	0.44815	0.22303	1.1021	0.4348	3.42E-02	2.38E+00	1.22E-01	2.49E-02	2.56E+00	3.32E-02	1.01E-05	1.22E-02	4.87E-03	5.02E-02	3.72E-02	2.38E+00	1.22E-01	2.49E-02	2.56E+00
3526	484363.09	3849877.25	0.6757	0.20139	1.4795	0.42623	5.15E-02	2.15E+00	1.64E-01	2.44E-02	2.39E+00	5.00E-02	9.08E-06	1.64E-02	4.77E-03	7.12E-02	5.61E-02	2.15E+00	1.64E-01	2.44E-02	2.39E+00
3527	484863.09	3849877.25	0.67377	0.17952	2.4084	0.40254	5.14E-02	1.92E+00	2.66E-01	2.30E-02	2.26E+00	4.99E-02	8.09E-06	2.66E-02	4.51E-03	8.10E-02	5.59E-02	1.92E+00	2.66E-01	2.30E-02	2.26E+00
3528	485363.09	3849877.25	0.65987	0.29114	2.4214	0.35374	5.03E-02	3.11E+00	2.68E-01	2.02E-02	3.45E+00	4.89E-02	1.31E-05	2.68E-02	3.96E-03	7.96E-02	5.48E-02	3.11E+00	2.68E-01	2.02E-02	3.45E+00
3529	485863.09	3849877.25	0.50629	0.29962	1.9818	0.38813	3.86E-02	3.20E+00	2.19E-01	2.22E-02	3.48E+00	3.75E-02	1.35E-05	2.19E-02	4.34E-03	6.38E-02	4.20E-02	3.20E+00	2.19E-01	2.22E-02	3.48E+00
3530	486363.09	3849877.25	0.40166	0.26101	1.5419	0.3846	3.06E-02	2.79E+00	1.70E-01	2.20E-02	3.01E+00	2.97E-02	1.18E-05	1.70E-02	4.31E-03	5.11E-02	3.33E-02	2.79E+00	1.70E-01	2.20E-02	3.01E+00
3531	486863.09	3849877.25	0.37003	0.35033	1.2603	0.42385	2.82E-02	3.74E+00	1.39E-01	2.42E-02	3.93E+00	2.74E-02	1.58E-05	1.39E-02	4.74E-03	4.61E-02	3.07E-02	3.74E+00	1.39E-01	2.42E-02	3.93E+00
3532	487363.09	3849877.25	0.28902	0.28922	1.4279	0.37081	2.20E-02	3.09E+00	1.58E-01	2.12E-02	3.29E+00	2.14E-02	1.30E-05	1.58E-02	4.15E-03	4.13E-02	2.40E-02	3.09E+00	1.58E-01	2.12E-02	3.29E+00
3533	487863.09	3849877.25	0.29595	0.1834	1.6796	0.40761	2.26E-02	1.96E+00	1.86E-01	2.33E-02	2.19E+00	2.19E-02	8.27E-06	1.86E-02	4.56E-03	4.51E-02	2.46E-02	1.96E+00	1.86E-01	2.33E-02	2.19E+00
3534	488363.09	3849877.25	0.3014	0.16867	2.4517	0.46631	2.30E-02	1.80E+00	2.71E-01	2.67E-02	2.12E+00	2.23E-02	7.60E-06	2.71E-02	5.22E-03	5.46E-02	2.50E-02	1.80E+00	2.71E-01	2.67E-02	2.12E+00

3535	488863.09	3849877.25	0.29777	0.19282	2.5931	0.4913	2.27E-02	2.06E+00	2.87E-01	2.81E-02	2.40E+00	2.20E-02	8.69E-06	2.87E-02	5.50E-03	5.62E-02	2.47E-02	2.06E+00	2.87E-01	2.81E-02	2.40E+00
3536	489363.09	3849877.25	0.4176	0.20659	1.8208	0.42202	3.18E-02	2.20E+00	2.01E-01	2.41E-02	2.46E+00	3.09E-02	9.31E-06	2.01E-02	4.72E-03	5.58E-02	3.47E-02	2.20E+00	2.01E-01	2.41E-02	2.46E+00
3537	489863.09	3849877.25	0.42915	0.19166	2.38	0.33124	3.27E-02	2.05E+00	2.63E-01	1.89E-02	2.36E+00	3.18E-02	8.64E-06	2.63E-02	3.71E-03	6.18E-02	3.56E-02	2.05E+00	2.63E-01	1.89E-02	2.36E+00
3538	490363.09	3849877.25	0.42512	0.15714	2.6331	0.30627	3.24E-02	1.68E+00	2.91E-01	1.75E-02	2.02E+00	3.15E-02	7.08E-06	2.91E-02	3.43E-03	6.40E-02	3.53E-02	1.68E+00	2.91E-01	1.75E-02	2.02E+00
3539	490863.09	3849877.25	0.42192	0.12451	2.495	0.3049	3.22E-02	1.33E+00	2.76E-01	1.74E-02	1.65E+00	3.12E-02	5.61E-06	2.76E-02	3.41E-03	6.22E-02	3.50E-02	1.33E+00	2.76E-01	1.74E-02	1.66E+00
3540	491363.09	3849877.25	0.41912	0.1085	2.1467	0.29787	3.19E-02	1.16E+00	2.37E-01	1.70E-02	1.44E+00	3.10E-02	4.89E-06	2.37E-02	3.33E-03	5.81E-02	3.48E-02	1.16E+00	2.37E-01	1.70E-02	1.45E+00
3541	491863.09	3849877.25	0.40152	0.09044	1.0606	0.29666	3.06E-02	9.65E-01	1.17E-01	1.70E-02	1.13E+00	2.97E-02	4.08E-06	1.17E-02	3.32E-03	4.48E-02	3.33E-02	9.65E-01	1.17E-01	1.70E-02	1.13E+00
3542	492363.09	3849877.25	0.30137	0.10599	1.3958	0.32588	2.30E-02	1.13E+00	1.54E-01	1.86E-02	1.33E+00	2.23E-02	4.78E-06	1.54E-02	3.65E-03	4.14E-02	2.50E-02	1.13E+00	1.54E-01	1.86E-02	1.33E+00
3543	492863.09	3849877.25	0.19858	0.1377	1.4738	0.33402	1.51E-02	1.47E+00	1.63E-01	1.91E-02	1.67E+00	1.47E-02	6.21E-06	1.63E-02	3.74E-03	3.47E-02	1.65E-02	1.47E+00	1.63E-01	1.91E-02	1.67E+00
3544	493363.09	3849877.25	0.19821	0.1916	1.2641	0.27438	1.51E-02	2.04E+00	1.40E-01	1.57E-02	2.22E+00	1.47E-02	8.64E-06	1.40E-02	3.07E-03	3.17E-02	1.65E-02	2.04E+00	1.40E-01	1.57E-02	2.22E+00
3545	493863.09	3849877.25	0.19885	0.20907	1.2741	0.2224	1.52E-02	2.23E+00	1.41E-01	1.27E-02	2.40E+00	1.47E-02	9.42E-06	1.41E-02	2.49E-03	3.13E-02	1.65E-02	2.23E+00	1.41E-01	1.27E-02	2.40E+00
3546	494363.09	3849877.25	0.20069	0.18451	1.9335	0.25261	1.53E-02	1.97E+00	2.14E-01	1.44E-02	2.21E+00	1.49E-02	8.32E-06	2.14E-02	2.83E-03	3.91E-02	1.67E-02	1.97E+00	2.14E-01	1.44E-02	2.21E+00
3547	494863.09	3849877.25	0.20323	0.18033	1.7233	0.23041	1.55E-02	1.92E+00	1.91E-01	1.32E-02	2.14E+00	1.50E-02	8.13E-06	1.91E-02	2.58E-03	3.67E-02	1.69E-02	1.92E+00	1.91E-01	1.32E-02	2.15E+00
3548	495363.09	3849877.25	0.20487	0.23523	1.2441	0.23317	1.56E-02	2.51E+00	1.38E-01	1.33E-02	2.68E+00	1.52E-02	1.06E-05	1.38E-02	2.61E-03	3.15E-02	1.70E-02	2.51E+00	1.38E-01	1.33E-02	2.68E+00
3549	495863.09	3849877.25	0.19524	0.26597	1.43	0.26598	1.49E-02	2.84E+00	1.58E-01	1.52E-02	3.03E+00	1.45E-02	1.20E-05	1.58E-02	2.98E-03	3.33E-02	1.62E-02	2.84E+00	1.58E-01	1.52E-02	3.03E+00
3550	496363.09	3849877.25	0.26613	0.21721	1.2799	0.24443	2.03E-02	2.32E+00	1.42E-01	1.40E-02	2.49E+00	1.97E-02	9.79E-06	1.42E-02	2.74E-03	3.66E-02	2.21E-02	2.32E+00	1.42E-01	1.40E-02	2.50E+00
3551	496863.09	3849877.25	0.32312	0.1357	1.2144	0.2276	2.46E-02	1.45E+00	1.34E-01	1.30E-02	1.62E+00	2.39E-02	6.12E-06	1.34E-02	2.55E-03	3.99E-02	2.68E-02	1.45E+00	1.34E-01	1.30E-02	1.62E+00
3552	497363.09	3849877.25	0.34591	0.12287	1.4764	0.27125	2.64E-02	1.31E+00	1.63E-01	1.55E-02	1.52E+00	2.56E-02	5.54E-06	1.63E-02	3.04E-03	4.50E-02	2.87E-02	1.31E+00	1.63E-01	1.55E-02	1.52E+00
3553	497863.09	3849877.25	0.35194	0.14056	1.3636	0.24613	2.68E-02	1.50E+00	1.51E-01	1.41E-02	1.69E+00	2.61E-02	6.34E-06	1.51E-02	2.76E-03	4.39E-02	2.92E-02	1.50E+00	1.51E-01	1.41E-02	1.69E+00
3554	498363.09	3849877.25	0.35282	0.15349	1.4848	0.26194	2.69E-02	1.64E+00	1.64E-01	1.50E-02	1.84E+00	2.61E-02	6.92E-06	1.64E-02	2.93E-03	4.55E-02	2.93E-02	1.64E+00	1.64E-01	1.50E-02	1.85E+00
3555	471363.09	3850377.25	0.54775	0.37154	1.7332	0.45756	4.17E-02	3.96E+00	1.92E-01	2.62E-02	4.22E+00	4.06E-02	1.67E-05	1.92E-02	5.12E-03	6.49E-02	4.55E-02	3.96E+00	1.92E-01	2.62E-02	4.23E+00
3556	471863.09	3850377.25	0.96172	0.54468	1.8093	0.42608	7.33E-02	5.81E+00	2.00E-01	2.44E-02	6.11E+00	7.12E-02	2.46E-05	2.00E-02	4.77E-03	9.60E-02	7.98E-02	5.81E+00	2.00E-01	2.44E-02	6.12E+00
3557	472363.09	3850377.25	1.1396	0.59458	1.3879	0.39107	8.69E-02	6.35E+00	1.53E-01	2.24E-02	6.61E+00	8.44E-02	2.68E-05	1.53E-02	4.38E-03	1.04E-01	9.46E-02	6.35E+00	1.53E-01	2.24E-02	6.62E+00
3558	472863.09	3850377.25	1.18641	0.76206	0.9735	0.3538	9.04E-02	8.13E+00	1.08E-01	2.02E-02	8.35E+00	8.78E-02	3.44E-05	1.08E-02	3.96E-03	1.03E-01	9.85E-02	8.13E+00	1.08E-01	2.02E-02	8.36E+00
3559	473363.09	3850377.25	1.3504	0.89052	0.7478	0.36683	1.03E-01	9.50E+00	8.27E-02	2.10E-02	9.71E+00	1.00E-01	4.01E-05	8.27E-03	4.11E-03	1.12E-01	1.12E-01	9.50E+00	8.27E-02	2.10E-02	9.72E+00
3560	473863.09	3850377.25	1.26072	0.8974	0.743	0.37421	9.61E-02	9.58E+00	8.21E-02	2.14E-02	9.78E+00	9.33E-02	4.05E-05	8.21E-03	4.19E-03	1.06E-01	1.05E-01	9.58E+00	8.21E-02	2.14E-02	9.79E+00
3561	474363.09	3850377.25	1.08411	0.9725	0.7338	0.35659	8.26E-02	1.04E+01	8.11E-02	2.04E-02	1.06E+01	8.03E-02	4.38E-05	8.11E-03	3.99E-03	9.24E-02	9.00E-02	1.04E+01	8.11E-02	2.04E-02	1.06E+01
3562	474863.09	3850377.25	1.4446	0.95748	0.9598	0.46472	1.10E-01	1.02E+01	1.06E-01	2.66E-02	1.05E+01	1.07E-01	4.32E-05	1.06E-02	5.20E-03	1.23E-01	1.20E-01	1.02E+01	1.06E-01	2.66E-02	1.05E+01
3563	475363.09	3850377.25	1.47237	0.96583	1.0678	0.59001	1.12E-01	1.03E+01	1.18E-01	3.37E-02	1.06E+01	1.09E-01	4.35E-05	1.18E-02	6.60E-03	1.27E-01	1.22E-01	1.03E+01	1.18E-01	3.37E-02	1.06E+01
3564	475863.09	3850377.25	1.57524	0.94897	0.9848	0.71909	1.20E-01	1.01E+01	1.09E-01	4.11E-02	1.04E+01	1.17E-01	4.28E-05	1.09E-02	8.05E-03	1.36E-01	1.31E-01	1.01E+01	1.09E-01	4.11E-02	1.04E+01
3565	476363.09	3850377.25	1.65013	0.92886	0.9438	0.82868	1.26E-01	9.91E+00	1.04E-01	4.74E-02	1.02E+01	1.22E-01	4.19E-05	1.04E-02	9.28E-03	1.42E-01	1.37E-01	9.91E+00	1.04E-01	4.74E-02	1.02E+01
3566	476863.09	3850377.25	1.81764	1.32117	1.0651	0.88911	1.39E-01	1.41E+01	1.18E-01	5.08E-02	1.44E+01	1.35E-01	5.96E-05	1.18E-02	9.95E-03	1.56E-01	1.51E-01	1.41E+01	1.18E-01	5.08E-02	1.44E+01
3567	477363.09	3850377.25	1.66489	1.41248	1.3571	0.87581	1.27E-01	1.51E+01	1.50E-01	5.01E-02	1.54E+01	1.23E-01	6.37E-05	1.50E-02	9.80E-03	1.48E-01	1.38E-01	1.51E+01	1.50E-01	5.01E-02	1.54E+01
3568	477863.09	3850377.25	1.62205	1.2808	1.6314	0.78475	1.24E-01	1.37E+01	1.80E-01	4.49E-02	1.40E+01	1.20E-01	5.77E-05	1.80E-02	8.78E-03	1.47E-01	1.35E-01	1.37E+01	1.80E-01	4.49E-02	1.40E+01
3569	478363.09	3850377.25	1.96007	1.6442	1.8279	0.6396	1.49E-01	1.75E+01	2.02E-01	3.66E-02	1.79E+01	1.45E-01	7.41E-05	2.02E-02	7.16E-03	1.73E-01	1.63E-01	1.75E+01	2.02E-01	3.66E-02	1.79E+01
3570	478863.09	3850377.25	2.40739	1.53982	1.8895	0.50117	1.83E-01	1.64E+01	2.09E-01	2.87E-02	1.69E+01	1.78E-01	6.94E-05	2.09E-02	5.61E-03	2.05E-01	2.00E-01	1.64E+01	2.09E-01	2.87E-02	1.69E+01
3571	479363.09	3850377.25	2.31986	1.06613	1.7785	0.75512	1.77E-01	1.14E+01	1.97E-01	4.32E-02	1.18E+01	1.72E-01	4.81E-05	1.97E-02	8.45E-03	2.00E-01	1.93E-01	1.14E+01	1.97E-01	4.32E-02	1.18E+01
3572	479863.09	3850377.25	3.02922	0.78518	1.5065	1.01908	2.31E-01	8.38E+00	1.67E-01	5.83E-02	8.83E+00	2.24E-01	3.54E-05	1.67E-02	1.14E-02	2.52E-01	2.51E-01	8.38E+00	1.67E-01	5.83E-02	8.86E+00
3573	480363.09	3850377.25	3.80817	0.67861	1.1438	1.1739	2.90E-01	7.24E+00	1.26E-01	6.71E-02	7.73E+00	2.82E-01	3.06E-05	1.26E-02	1.31E-02	3.08E-01	3.16E-01	7.24E+00	1.26E-01	6.71E-02	7.75E+00
3574	480863.09	3850377.25	2.86389	0.77997	1.3136	1.38389	2.18E-01	8.32E+00	1.45E-01	7.91E-02	8.77E+00	2.12E-01	3.52E-05	1.45E-02	1.55E-02	2.42E-01	2.38E-01	8.32E+00	1.45E-01	7.91E-02	8.79E+00
3575	481363.09	3850377.25	1.70575	0.54454	5.1916	0.58845	1.30E-01	5.81E+00	5.74E-01	3.36E-02	6.55E+00	1.26E-01	2.45E-05	5.74E-02	6.59E-03	1.90E-01	1.42E-01	5.81E+00	5.74E-01	3.36E-02	6.56E+00
3576	481863.09	3850377.25	1.70601	0.39608	7.0328	0.62599	1.30E-01	4.23E+00	7.78E-01	3.58E-02	5.17E+00	1.26E-01	1.79E-05	7.78E-02	7.01E-03	2.11E-01	1.42E-01	4.23E+00	7.78E-01	3.58E-02	5.18E+00
3577	482363.09	3850377.25	1.01947	0.23505	2.2356	0.84186	7.77E-02	2.51E+00	2.47E-01	4.81E-02	2.88E+00	7.55E-02	1.06E-05	2.47E-02	9.42E-03	1.10E-01	8.46E-02	2.51E+00	2.47E-01	4.81E-02	2.89E+00
3578	482863.09	3850377.25	0.49987	0.32303	0.9876	0.5159	3.81E-02	3.45E+00	1.09E-01	2.95E-02	3.62E+00	3.70E-02	1.46E-05	1.09E-02	5.78E-03	5.37E-02	4.15E-02	3.45E+00	1.09E-01	2.95E-02	3.63E+00
3579	483363.09	3850377.25	0.44723	0.29808	0.9913	0.46758	3.41E-02	3.18E+00	1.10E-01	2.67E-02	3.35E+00	3.31E-02	1.34E-05	1.10E-02	5.23E-03	4.93E-02	3.71E-02	3.18E+00	1.10E-01	2.67E-02	3.35E+00
3580	483863.09	3850377.25	0.69998	0.23094	1.1373	0.44602	5.34E-02	2.46E+00	1.26E-01	2.55E-02	2.67E+00	5.18E-02	1.04E-05	1.26E-02	4.99E-03	6.94E-02	5.81E-02	2.46E+00	1.26E-01	2.55E-02	2.67E+00
3581	484363.09	3850377.25	0.71233	0.20519	1.3635	0.44114	5.43E-02	2.19E+00	1.51E-01	2.52E-02	2.42E+00	5.27E-02	9.25E-06	1.51E-02	4.94E-03	7.28E-02	5.91E-02	2.19E+00	1.51E-01	2.52E-02	2.42E+00
3582	484863.09	3850377.25	0.67954	0.1914	2.2581	0.42747	5.18E-02	2.04E+00	2.50E-01	2.44E-02	2.37E+00	5.03E-02	8.63E-06	2.50E-02	4.79E-03	8.01E-02	5.64E-02	2.04E+00	2.50E-01	2.44E-02	2.37E+00
3583	485363.09	3850377.25	0.66406	0.28251	2.8041	0.396	5.06E-02	3.01E+00	3.10E-01	2.26E-02	3.40E+00	4.92E-02	1.27E-05	3.10E-02	4.43E-03	8.46E-02	5.51E-02	3.01E+00	3.10E-01	2.26E-02	3.40E+00
3584	485863.09	3850377.25	0.55608	0.30936	2.6365	0.48052	4.24E-02	3.30E+00	2.91E-01	2.75E-02	3.66E+00	4.12E-02	1.39E-05	2.91E-02	5.38E-03	7.57E-02	4.62E-02	3.30E+00	2.91E-01	2.75E-02	3.67E+00
3585	486363.09	3850377.25	0.48431	0.25606	2.9036	0.44165	3.69E-02	2.73E+00	3.21E-01	2.53E-02	3.12E+00	3.59E-02	1.15E-05	3.21E-02	4.94E-03	7.29E-02	4.02E-02	2.73E+00	3.21E-01	2.53E-02	3.12E+00
3586	486863.09	3850377.25	0.43286	0.34353	2.5309	0.41952	3.30E-02	3.67E+00	2.80E-01	2.40E-02	4.00E+00	3.20E-02	1.55E-05	2.80E-02	4.70E-03	6.47E-02	3.59E-02	3.67E+00	2.80E-01	2.40E-02	4.01E+00
3587	487363.09	3850377.25	0.31867	0.31241	1.474	0.40981	2.43E-02	3.33E+00	1.63E-01	2.34E-02	3.54E+00	2.36E-02	1.41E-05	1.63E-02	4.59E-03	4.45E-02	2.65E-02	3.33E+00	1.63E-01	2.34E-02	3.55E+00
3588	487863.09	3850377.25	0.30373	0.19214	1.7592	0.41011	2.32E-02	2.05E+00	1.95E-01	2.35E-02	2.29E+00	2.25E-02	8.66E-06	1.95E-02	4.59E-03	4.65E-02	2.52E-02	2.05E+00	1.95E-01	2.35E-02	2.29E+00
3589	488363.09	3850377.25	0.30609	0.18668	2.5349	0.46876	2.33E-02	1.99E+00	2.80E-01	2.68E-02	2.32E+00	2.27E-02	8.42E-06	2.80E-02	5.25E-03	5.59E-02	2.54E-02	1.99E+00	2.80E-01	2.68E-02	2.32E+00
3590	488863.09	3850377.25	0.4145	0.20736	2.5778	0.49677	3.16E-02	2.21E+00	2.85E-01	2.84E-02	2.56E+00	3.07E-02	9.35E-06	2.85E-02	5.56E-03	6.48E-02	3.44E-02	2.21E+00	2.85E-01	2.84E-02	2.56E+00
3591	489363.09	3850377.25	0.43271	0.19914	2.0653	0.42258	3.30E-02	2.13E+00	2.28E-01	2.42E-02	2.41E+00	3.20E-02	8.98E-06	2.28E-02	4.73E-03	5.96E-02	3.59E-02	2.13E+00	2.28E-01	2.42E-02	2.41E+00
3592	489863.09	3850377.25	0.4275	0.16654	2.3807	0.36103	3.26E-02	1.78E+00	2.63E-01	2.06E-02	2.09E+00	3.16E-02	7.51E-06	2.63E-02	4.04E-03	6.20E-02	3.55E-02	1.78E+00	2.63E-01	2.06E-02	2.10E+00
3593	490363.09	3850377.25	0.42329	0.13252	2.8834	0.34246	3.23E-02	1.41E+00	3.19E-01	1.96E-02	1.78E+00	3.13E-02	5.97E-06	3.19E-02	3.83E-03	6.71E-02	3.51E-02	1.41E+00	3.19E-01	1.96E-02	1.79E+00
3594	490863.09	3850377.25	0.42037	0.12438	2.2859	0.38223	3.20E-02	1.33E+00	2.53E-01	2.19E-02	1.63E+00	3.11E-02	5.61E-06	2.53E-02	4.28E-03	6.07E-02	3.49E-02	1.33E+00	2.53E-01	2.19E-02	1.64E+00
3595	491363.09	3850377.25	0.41156	0.10194	2.1597	0.31189	3.14E-02	1.09E+00	2.39E-01	1.78E-02	1.38E+00	3.05E-02	4.60E-06	2.39E-02	3.49E-03	5.78E-02	3.42E-02	1.09E+00	2.39E-01	1.78E-02	1.38E+00

3596	491863.09	3850377.25	0.33868	0.11133	1.4362	0.34057	2.58E-02	1.19E+00	1.59E-01	1.95E-02	1.39E+00	2.51E-02	5.02E-06	1.59E-02	3.81E-03	4.48E-02	2.81E-02	1.19E+00	1.59E-01	1.95E-02	1.39E+00
3597	492363.09	3850377.25	0.20217	0.12526	1.5577	0.34487	1.54E-02	1.34E+00	1.72E-01	1.97E-02	1.54E+00	1.50E-02	5.65E-06	1.72E-02	3.86E-03	3.61E-02	1.68E-02	1.34E+00	1.72E-01	1.97E-02	1.55E+00
3598	492863.09	3850377.25	0.20133	0.18377	1.4466	0.32465	1.53E-02	1.96E+00	1.60E-01	1.86E-02	2.15E+00	1.49E-02	8.28E-06	1.60E-02	3.63E-03	3.45E-02	1.67E-02	1.96E+00	1.60E-01	1.86E-02	2.16E+00
3599	493363.09	3850377.25	0.20215	0.21237	1.5665	0.2906	1.54E-02	2.27E+00	1.73E-01	1.66E-02	2.47E+00	1.50E-02	9.57E-06	1.73E-02	3.25E-03	3.55E-02	1.68E-02	2.27E+00	1.73E-01	1.66E-02	2.47E+00
3600	493863.09	3850377.25	0.20439	0.19178	1.9961	0.25003	1.56E-02	2.05E+00	2.21E-01	1.43E-02	2.30E+00	1.51E-02	8.65E-06	2.21E-02	2.80E-03	4.00E-02	1.70E-02	2.05E+00	2.21E-01	1.43E-02	2.30E+00
3601	494363.09	3850377.25	0.20745	0.17227	1.8845	0.22683	1.58E-02	1.84E+00	2.08E-01	1.30E-02	2.08E+00	1.54E-02	7.77E-06	2.08E-02	2.54E-03	3.87E-02	1.72E-02	1.84E+00	2.08E-01	1.30E-02	2.08E+00
3602	494863.09	3850377.25	0.20879	0.22106	1.4286	0.25831	1.59E-02	2.36E+00	1.58E-01	1.48E-02	2.55E+00	1.55E-02	9.97E-06	1.58E-02	2.89E-03	3.42E-02	1.73E-02	2.36E+00	1.58E-01	1.48E-02	2.55E+00
3603	495363.09	3850377.25	0.28248	0.27023	1.433	0.29488	2.15E-02	2.88E+00	1.58E-01	1.69E-02	3.08E+00	2.09E-02	1.22E-05	1.58E-02	3.30E-03	4.01E-02	2.35E-02	2.88E+00	1.58E-01	1.69E-02	3.08E+00
3604	495863.09	3850377.25	0.33262	0.2353	1.3417	0.30006	2.54E-02	2.51E+00	1.48E-01	1.72E-02	2.70E+00	2.46E-02	1.06E-05	1.48E-02	3.36E-03	4.28E-02	2.76E-02	2.51E+00	1.48E-01	1.72E-02	2.70E+00
3605	496363.09	3850377.25	0.34934	0.15294	1.414	0.28664	2.66E-02	1.63E+00	1.56E-01	1.64E-02	1.83E+00	2.59E-02	6.89E-06	1.56E-02	3.21E-03	4.47E-02	2.90E-02	1.63E+00	1.56E-01	1.64E-02	1.83E+00
3606	496863.09	3850377.25	0.35274	0.14352	1.5471	0.25838	2.69E-02	1.53E+00	1.71E-01	1.48E-02	1.74E+00	2.61E-02	6.47E-06	1.71E-02	2.89E-03	4.61E-02	2.93E-02	1.53E+00	1.71E-01	1.48E-02	1.75E+00
3607	497363.09	3850377.25	0.35292	0.15584	1.4384	0.26316	2.69E-02	1.66E+00	1.59E-01	1.50E-02	1.86E+00	2.61E-02	7.03E-06	1.59E-02	2.95E-03	4.50E-02	2.93E-02	1.66E+00	1.59E-01	1.50E-02	1.87E+00
3608	497863.09	3850377.25	0.35255	0.16038	1.573	0.27714	2.69E-02	1.71E+00	1.74E-01	1.58E-02	1.93E+00	2.61E-02	7.23E-06	1.74E-02	3.10E-03	4.66E-02	2.93E-02	1.71E+00	1.74E-01	1.58E-02	1.93E+00
3609	498363.09	3850377.25	0.35202	0.15589	1.5702	0.30397	2.68E-02	1.66E+00	1.74E-01	1.74E-02	1.88E+00	2.61E-02	7.03E-06	1.74E-02	3.40E-03	4.68E-02	2.92E-02	1.66E+00	1.74E-01	1.74E-02	1.88E+00
3610	471363.09	3850877.25	0.63338	0.29541	1.7941	0.55044	4.83E-02	3.15E+00	1.98E-01	3.15E-02	3.43E+00	4.69E-02	1.33E-05	1.98E-02	6.16E-03	7.29E-02	5.26E-02	3.15E+00	1.98E-01	3.15E-02	3.43E+00
3611	471863.09	3850877.25	0.75052	0.40433	2.2586	0.52345	5.72E-02	4.31E+00	2.50E-01	2.99E-02	4.65E+00	5.56E-02	1.82E-05	2.50E-02	5.86E-03	8.64E-02	6.23E-02	4.31E+00	2.50E-01	2.99E-02	4.66E+00
3612	472363.09	3850877.25	0.80148	0.56802	2.4423	0.4921	6.11E-02	6.06E+00	2.70E-01	2.81E-02	6.42E+00	5.93E-02	2.56E-05	2.70E-02	5.51E-03	9.19E-02	6.65E-02	6.06E+00	2.70E-01	2.81E-02	6.43E+00
3613	472863.09	3850877.25	1.07583	0.70408	2.1997	0.45671	8.20E-02	7.51E+00	2.43E-01	2.61E-02	7.87E+00	7.96E-02	3.17E-05	2.43E-02	5.11E-03	1.09E-01	8.93E-02	7.51E+00	2.43E-01	2.61E-02	7.87E+00
3614	473363.09	3850877.25	1.24043	0.65158	1.587	0.4164	9.45E-02	6.95E+00	1.75E-01	2.38E-02	7.25E+00	9.18E-02	2.94E-05	1.75E-02	4.66E-03	1.14E-01	1.03E-01	6.95E+00	1.75E-01	2.38E-02	7.26E+00
3615	473863.09	3850877.25	1.2735	0.82338	1.0511	0.37375	9.71E-02	8.79E+00	1.16E-01	2.14E-02	9.02E+00	9.43E-02	3.71E-05	1.16E-02	4.18E-03	1.10E-01	1.06E-01	8.79E+00	1.16E-01	2.14E-02	9.03E+00
3616	474363.09	3850877.25	1.46592	1.02687	0.7887	0.37317	1.12E-01	1.10E+01	8.72E-02	2.13E-02	1.12E+01	1.09E-01	4.63E-05	8.72E-03	4.18E-03	1.21E-01	1.22E-01	1.10E+01	8.72E-02	2.13E-02	1.12E+01
3617	474863.09	3850877.25	1.39627	0.99283	0.7817	0.36728	1.06E-01	1.06E+01	8.64E-02	2.10E-02	1.08E+01	1.03E-01	4.48E-05	8.64E-03	4.11E-03	1.16E-01	1.16E-01	1.06E+01	8.64E-02	2.10E-02	1.08E+01
3618	475363.09	3850877.25	1.20703	1.10098	0.8217	0.44018	9.20E-02	1.17E+01	9.09E-02	2.52E-02	1.20E+01	8.94E-02	4.96E-05	9.09E-03	4.93E-03	1.03E-01	1.00E-01	1.17E+01	9.09E-02	2.52E-02	1.20E+01
3619	475863.09	3850877.25	1.53925	1.02828	1.0395	0.57164	1.17E-01	1.10E+01	1.15E-01	3.27E-02	1.12E+01	1.14E-01	4.64E-05	1.15E-02	6.40E-03	1.32E-01	1.28E-01	1.10E+01	1.15E-01	3.27E-02	1.12E+01
3620	476363.09	3850877.25	1.54667	0.98794	1.0912	0.71521	1.18E-01	1.05E+01	1.21E-01	4.09E-02	1.08E+01	1.15E-01	4.45E-05	1.21E-02	8.01E-03	1.35E-01	1.28E-01	1.05E+01	1.21E-01	4.09E-02	1.08E+01
3621	476863.09	3850877.25	1.57324	1.04815	0.9606	0.84719	1.20E-01	1.12E+01	1.06E-01	4.84E-02	1.15E+01	1.16E-01	4.72E-05	1.06E-02	9.48E-03	1.37E-01	1.31E-01	1.12E+01	1.06E-01	4.84E-02	1.15E+01
3622	477363.09	3850877.25	1.75711	1.42763	1.0076	0.93286	1.34E-01	1.52E+01	1.11E-01	5.33E-02	1.55E+01	1.30E-01	6.44E-05	1.11E-02	1.04E-02	1.52E-01	1.46E-01	1.52E+01	1.11E-01	5.33E-02	1.55E+01
3623	477863.09	3850877.25	1.97069	1.57806	1.322	0.9383	1.50E-01	1.68E+01	1.46E-01	5.37E-02	1.72E+01	1.46E-01	7.11E-05	1.46E-02	1.05E-02	1.71E-01	1.64E-01	1.68E+01	1.46E-01	5.37E-02	1.72E+01
3624	478363.09	3850877.25	1.94167	1.45234	1.6376	0.85071	1.48E-01	1.55E+01	1.81E-01	4.86E-02	1.59E+01	1.44E-01	6.55E-05	1.81E-02	9.52E-03	1.71E-01	1.61E-01	1.55E+01	1.81E-01	4.86E-02	1.59E+01
3625	478863.09	3850877.25	1.95063	2.06769	1.8889	0.69304	1.49E-01	2.21E+01	2.09E-01	3.96E-02	2.25E+01	1.44E-01	9.32E-05	2.09E-02	7.76E-03	1.73E-01	1.62E-01	2.21E+01	2.09E-01	3.96E-02	2.25E+01
3626	479363.09	3850877.25	2.30181	1.71672	1.9988	0.51621	1.75E-01	1.83E+01	2.21E-01	2.95E-02	1.87E+01	1.70E-01	7.74E-05	2.21E-02	5.78E-03	1.98E-01	1.91E-01	1.83E+01	2.21E-01	2.95E-02	1.88E+01
3627	479863.09	3850877.25	2.46155	1.10122	1.9144	0.71677	1.88E-01	1.18E+01	2.12E-01	4.10E-02	1.22E+01	1.82E-01	4.96E-05	2.12E-02	8.02E-03	2.11E-01	2.04E-01	1.18E+01	2.12E-01	4.10E-02	1.22E+01
3628	480363.09	3850877.25	2.88236	1.0963	1.6427	0.6433	2.20E-01	1.17E+01	1.82E-01	3.68E-02	1.21E+01	2.13E-01	4.94E-05	1.82E-02	7.20E-03	2.39E-01	2.39E-01	1.17E+01	1.82E-01	3.68E-02	1.22E+01
3629	480863.09	3850877.25	4.40008	0.93895	1.2478	0.75144	3.35E-01	1.00E+01	1.38E-01	4.30E-02	1.05E+01	3.26E-01	4.23E-05	1.38E-02	8.41E-03	3.48E-01	3.65E-01	1.00E+01	1.38E-01	4.30E-02	1.06E+01
3630	481363.09	3850877.25	2.97949	0.87327	1.2449	0.88104	2.27E-01	9.32E+00	1.38E-01	5.04E-02	9.73E+00	2.21E-01	3.94E-05	1.38E-02	9.86E-03	2.44E-01	2.47E-01	9.32E+00	1.38E-01	5.04E-02	9.75E+00
3631	481863.09	3850877.25	2.82463	0.51519	5.1812	0.63195	2.15E-01	5.50E+00	5.73E-01	3.61E-02	6.32E+00	2.09E-01	2.32E-05	5.73E-02	7.07E-03	2.73E-01	2.35E-01	5.50E+00	5.73E-01	3.61E-02	6.34E+00
3632	482363.09	3850877.25	1.88986	0.34542	6.0455	0.6927	1.44E-01	3.69E+00	6.68E-01	3.96E-02	4.54E+00	1.40E-01	1.56E-05	6.68E-02	7.75E-03	2.15E-01	1.57E-01	3.69E+00	6.68E-01	3.96E-02	4.55E+00
3633	482863.09	3850877.25	1.07098	0.32114	1.6788	1.16107	8.16E-02	3.43E+00	1.86E-01	6.64E-02	3.76E+00	7.93E-02	1.45E-05	1.86E-02	1.30E-02	1.11E-01	8.89E-02	3.43E+00	1.86E-01	6.64E-02	3.77E+00
3634	483363.09	3850877.25	0.78154	0.30298	2.121	0.48786	5.96E-02	3.23E+00	2.35E-01	2.79E-02	3.56E+00	5.79E-02	1.37E-05	2.35E-02	5.46E-03	8.68E-02	6.49E-02	3.23E+00	2.35E-01	2.79E-02	3.56E+00
3635	483863.09	3850877.25	0.9852	0.2384	3.1417	0.45468	7.51E-02	2.54E+00	3.47E-01	2.60E-02	2.99E+00	7.29E-02	1.07E-05	3.47E-02	5.09E-03	1.13E-01	8.18E-02	2.54E+00	3.47E-01	2.60E-02	3.00E+00
3636	484363.09	3850877.25	0.85031	0.30848	3.5475	0.46227	6.48E-02	3.29E+00	3.92E-01	2.64E-02	3.78E+00	6.30E-02	1.39E-05	3.92E-02	5.17E-03	1.07E-01	7.06E-02	3.29E+00	3.92E-01	2.64E-02	3.78E+00
3637	484863.09	3850877.25	0.68955	0.29587	2.055	0.53185	5.26E-02	3.16E+00	2.27E-01	3.04E-02	3.47E+00	5.10E-02	1.33E-05	2.27E-02	5.95E-03	7.97E-02	5.72E-02	3.16E+00	2.27E-01	3.04E-02	3.47E+00
3638	485363.09	3850877.25	0.66936	0.27098	2.8253	0.49687	5.10E-02	2.89E+00	3.12E-01	2.84E-02	3.28E+00	4.96E-02	1.22E-05	3.12E-02	5.56E-03	8.64E-02	5.56E-02	2.89E+00	3.12E-01	2.84E-02	3.29E+00
3639	485863.09	3850877.25	0.59693	0.31961	3.4968	0.50095	4.55E-02	3.41E+00	3.87E-01	2.86E-02	3.87E+00	4.42E-02	1.44E-05	3.87E-02	5.61E-03	8.85E-02	4.96E-02	3.41E+00	3.87E-01	2.86E-02	3.88E+00
3640	486363.09	3850877.25	0.53928	0.25503	3.4921	0.43372	4.11E-02	2.72E+00	3.86E-01	2.48E-02	3.17E+00	3.99E-02	1.15E-05	3.86E-02	4.86E-03	8.34E-02	4.48E-02	2.72E+00	3.86E-01	2.48E-02	3.18E+00
3641	486863.09	3850877.25	0.45688	0.33282	4.0138	0.42104	3.48E-02	3.55E+00	4.44E-01	2.41E-02	4.05E+00	3.38E-02	1.50E-05	4.44E-02	4.71E-03	8.29E-02	3.79E-02	3.55E+00	4.44E-01	2.41E-02	4.06E+00
3642	487363.09	3850877.25	0.37906	0.33335	1.521	0.43351	2.89E-02	3.56E+00	1.68E-01	2.48E-02	3.78E+00	2.81E-02	1.50E-05	1.68E-02	4.85E-03	4.97E-02	3.15E-02	3.56E+00	1.68E-01	2.48E-02	3.78E+00
3643	487863.09	3850877.25	0.31334	0.20021	1.8462	0.41169	2.39E-02	2.14E+00	2.04E-01	2.35E-02	2.39E+00	2.32E-02	9.03E-06	2.04E-02	4.61E-03	4.82E-02	2.60E-02	2.14E+00	2.04E-01	2.35E-02	2.39E+00
3644	488363.09	3850877.25	0.40815	0.2075	2.6177	0.46844	3.11E-02	2.21E+00	2.89E-01	2.68E-02	2.56E+00	3.02E-02	9.35E-06	2.89E-02	5.24E-03	6.44E-02	3.39E-02	2.21E+00	2.89E-01	2.68E-02	2.56E+00
3645	488863.09	3850877.25	0.43756	0.2049	2.5382	0.50287	3.34E-02	2.19E+00	2.81E-01	2.88E-02	2.53E+00	3.24E-02	9.24E-06	2.81E-02	5.63E-03	6.61E-02	3.63E-02	2.19E+00	2.81E-01	2.88E-02	2.53E+00
3646	489363.09	3850877.25	0.43092	0.17596	2.3046	0.42856	3.28E-02	1.88E+00	2.55E-01	2.45E-02	2.19E+00	3.19E-02	7.93E-06	2.55E-02	4.80E-03	6.22E-02	3.58E-02	1.88E+00	2.55E-01	2.45E-02	2.19E+00
3647	489863.09	3850877.25	0.42528	0.14039	2.4841	0.39511	3.24E-02	1.50E+00	2.75E-01	2.26E-02	1.83E+00	3.15E-02	6.33E-06	2.75E-02	4.42E-03	6.34E-02	3.53E-02	1.50E+00	2.75E-01	2.26E-02	1.83E+00
3648	490363.09	3850877.25	0.42157	0.11209	3.0044	0.37542	3.21E-02	1.20E+00	3.32E-01	2.15E-02	1.58E+00	3.12E-02	5.05E-06	3.32E-02	4.20E-03	6.86E-02	3.50E-02	1.20E+00	3.32E-01	2.15E-02	1.58E+00
3649	490863.09	3850877.25	0.41692	0.1317	2.3367	0.40428	3.18E-02	1.41E+00	2.58E-01	2.31E-02	1.72E+00	3.09E-02	5.94E-06	2.58E-02	4.53E-03	6.12E-02	3.46E-02	1.41E+00	2.58E-01	2.31E-02	1.72E+00
3650	491363.09	3850877.25	0.3708	0.11601	1.996	0.35699	2.83E-02	1.24E+00	2.21E-01	2.04E-02	1.51E+00	2.75E-02	5.23E-06	2.21E-02	4.00E-03	5.35E-02	3.08E-02	1.24E+00	2.21E-01	2.04E-02	1.51E+00
3651	491863.09	3850877.25	0.21535	0.12273	1.5767	0.35051	1.64E-02	1.31E+00	1.74E-01	2.00E-02	1.52E+00	1.59E-02	5.53E-06	1.74E-02	3.92E-03	3.73E-02	1.79E-02	1.31E+00	1.74E-01	2.00E-02	1.52E+00
3652	492363.09	3850877.25	0.20532	0.174	1.6186	0.32447	1.56E-02	1.86E+00	1.79E-01	1.86E-02	2.07E+00	1.52E-02	7.84E-06	1.79E-02	3.63E-03	3.67E-02	1.70E-02	1.86E+00	1.79E-01	1.86E-02	2.07E+00
3653	492863.09	3850877.25	0.20651	0.21328	1.407	0.28513	1.57E-02	2.28E+00	1.56E-01	1.63E-02	2.46E+00	1.53E-02	9.61E-06	1.56E-02	3.19E-03	3.40E-02	1.71E-02	2.28E+00	1.56E-01	1.63E-02	2.47E+00
3654	493363.09	3850877.25	0.20934	0.20099	1.9989	0.24404	1.60E-02	2.14E+00	2.21E-01	1.40E-02	2.40E+00	1.55E-02	9.06E-06	2.21E-02	2.73E-03	4.03E-02	1.74E-02	2.14E+00	2.21E-01	1.40E-02	2.40E+00
3655	493863.09	3850877.25	0.21623	0.16859	2.0092	0.28017	1.65E-02	1.80E+00	2.22E-01	1.60E-02	2.05E+00	1.60E-02	7.60E-06	2.22E-02	3.14E-03	4.14E-02	1.80E-02	1.80E+00	2.22E-01	1.60E-02	2.06E+00
3656	494363.09	3850877.25	0.29892	0.20424	1.5319	0.30991	2.28E-02	2.18E+00	1.69E-01	1.77E-02	2.39E+00	2.21E-02	9.21E-06	1.69E-02	3.47E-03	4.25E-02	2.48E-02	2.18E+00	1.69E-01	1.77E-02	2.39E+00

3657	494863.09	3850877.25	0.34055	0.26952	1.4771	0.31741	2.60E-02	2.88E+00	1.63E-01	1.82E-02	3.08E+00	2.52E-02	1.21E-05	1.63E-02	3.55E-03	4.51E-02	2.83E-02	2.88E+00	1.63E-01	1.82E-02	3.09E+00
3658	495363.09	3850877.25	0.35159	0.25264	1.8248	0.30293	2.68E-02	2.70E+00	2.02E-01	1.73E-02	2.94E+00	2.60E-02	1.14E-05	2.02E-02	3.39E-03	4.96E-02	2.92E-02	2.70E+00	2.02E-01	1.73E-02	2.94E+00
3659	495863.09	3850877.25	0.35313	0.1713	1.5177	0.27213	2.69E-02	1.83E+00	1.68E-01	1.56E-02	2.04E+00	2.61E-02	7.72E-06	1.68E-02	3.05E-03	4.60E-02	2.93E-02	1.83E+00	1.68E-01	1.56E-02	2.04E+00
3660	496363.09	3850877.25	0.35294	0.15808	1.6165	0.29084	2.69E-02	1.69E+00	1.79E-01	1.66E-02	1.91E+00	2.61E-02	7.13E-06	1.79E-02	3.26E-03	4.73E-02	2.93E-02	1.69E+00	1.79E-01	1.66E-02	1.91E+00
3661	496863.09	3850877.25	0.35242	0.16156	1.553	0.30524	2.69E-02	1.72E+00	1.72E-01	1.75E-02	1.94E+00	2.61E-02	7.28E-06	1.72E-02	3.42E-03	4.67E-02	2.93E-02	1.72E+00	1.72E-01	1.75E-02	1.94E+00
3662	497363.09	3850877.25	0.35195	0.15573	1.658	0.29164	2.68E-02	1.66E+00	1.83E-01	1.67E-02	1.89E+00	2.61E-02	7.02E-06	1.83E-02	3.26E-03	4.77E-02	2.92E-02	1.66E+00	1.83E-01	1.67E-02	1.89E+00
3663	497863.09	3850877.25	0.35141	0.14126	1.608	0.3177	2.68E-02	1.51E+00	1.78E-01	1.82E-02	1.73E+00	2.60E-02	6.37E-06	1.78E-02	3.56E-03	4.74E-02	2.92E-02	1.51E+00	1.78E-01	1.82E-02	1.73E+00
3664	498363.09	3850877.25	0.35019	0.12231	1.4892	0.33946	2.67E-02	1.31E+00	1.65E-01	1.94E-02	1.52E+00	2.59E-02	5.51E-06	1.65E-02	3.80E-03	4.62E-02	2.91E-02	1.31E+00	1.65E-01	1.94E-02	1.52E+00
3665	471363.09	3851377.25	0.81969	0.23007	2.3552	0.62069	6.25E-02	2.46E+00	2.60E-01	3.55E-02	2.81E+00	6.07E-02	1.04E-05	2.60E-02	6.95E-03	9.37E-02	6.81E-02	2.46E+00	2.60E-01	3.55E-02	2.82E+00
3666	471863.09	3851377.25	0.94542	0.34284	2.2922	0.61162	7.21E-02	3.66E+00	2.53E-01	3.50E-02	4.02E+00	7.00E-02	1.55E-05	2.53E-02	6.85E-03	1.02E-01	7.85E-02	3.66E+00	2.53E-01	3.50E-02	4.03E+00
3667	472363.09	3851377.25	0.85424	0.38973	2.052	0.59101	6.51E-02	4.16E+00	2.27E-01	3.38E-02	4.48E+00	6.32E-02	1.76E-05	2.27E-02	6.62E-03	9.26E-02	7.09E-02	4.16E+00	2.27E-01	3.38E-02	4.49E+00
3668	472863.09	3851377.25	0.88286	0.4884	2.5011	0.56253	6.73E-02	5.21E+00	2.77E-01	3.22E-02	5.59E+00	6.54E-02	2.20E-05	2.77E-02	6.30E-03	9.93E-02	7.33E-02	5.21E+00	2.77E-01	3.22E-02	5.59E+00
3669	473363.09	3851377.25	0.82108	0.54047	2.4871	0.52715	6.26E-02	5.77E+00	2.75E-01	3.01E-02	6.14E+00	6.08E-02	2.44E-05	2.75E-02	5.90E-03	9.42E-02	6.82E-02	5.77E+00	2.75E-01	3.01E-02	6.14E+00
3670	473863.09	3851377.25	0.93575	0.61609	2.2561	0.48797	7.13E-02	6.57E+00	2.49E-01	2.79E-02	6.92E+00	6.93E-02	2.78E-05	2.49E-02	5.46E-03	9.97E-02	7.77E-02	6.57E+00	2.49E-01	2.79E-02	6.93E+00
3671	474363.09	3851377.25	1.31536	0.70972	1.803	0.4448	1.00E-01	7.57E+00	1.99E-01	2.54E-02	7.90E+00	9.74E-02	3.20E-05	1.99E-02	4.98E-03	1.22E-01	1.09E-01	7.57E+00	1.99E-01	2.54E-02	7.91E+00
3672	474863.09	3851377.25	1.44533	0.95985	1.1933	0.39657	1.10E-01	1.02E+01	1.32E-01	2.27E-02	1.05E+01	1.07E-01	4.33E-05	1.32E-02	4.44E-03	1.25E-01	1.20E-01	1.02E+01	1.32E-01	2.27E-02	1.05E+01
3673	475363.09	3851377.25	1.63925	1.08603	0.8349	0.3706	1.25E-01	1.16E+01	9.23E-02	2.12E-02	1.18E+01	1.21E-01	4.90E-05	9.23E-03	4.15E-03	1.35E-01	1.36E-01	1.16E+01	9.23E-02	2.12E-02	1.18E+01
3674	475863.09	3851377.25	1.59915	1.07717	0.8249	0.41198	1.22E-01	1.15E+01	9.12E-02	2.36E-02	1.17E+01	1.18E-01	4.86E-05	9.12E-03	4.61E-03	1.32E-01	1.33E-01	1.15E+01	9.12E-02	2.36E-02	1.17E+01
3675	476363.09	3851377.25	1.37638	1.12792	0.9112	0.54724	1.05E-01	1.20E+01	1.01E-01	3.13E-02	1.23E+01	1.02E-01	5.08E-05	1.01E-02	6.13E-03	1.18E-01	1.14E-01	1.20E+01	1.01E-01	3.13E-02	1.23E+01
3676	476863.09	3851377.25	1.84742	0.98705	1.0952	0.70385	1.41E-01	1.05E+01	1.21E-01	4.02E-02	1.08E+01	1.37E-01	4.45E-05	1.21E-02	7.88E-03	1.57E-01	1.53E-01	1.05E+01	1.21E-01	4.02E-02	1.08E+01
3677	477363.09	3851377.25	1.75525	1.1355	1.0817	0.85985	1.34E-01	1.21E+01	1.20E-01	4.92E-02	1.24E+01	1.30E-01	5.12E-05	1.20E-02	9.63E-03	1.52E-01	1.46E-01	1.21E+01	1.20E-01	4.92E-02	1.24E+01
3678	477863.09	3851377.25	1.8491	1.46345	1.0335	0.97553	1.41E-01	1.56E+01	1.14E-01	5.58E-02	1.59E+01	1.37E-01	6.60E-05	1.14E-02	1.09E-02	1.59E-01	1.54E-01	1.56E+01	1.14E-01	5.58E-02	1.59E+01
3679	478363.09	3851377.25	2.09511	1.72323	1.2701	1.00625	1.60E-01	1.84E+01	1.40E-01	5.75E-02	1.87E+01	1.55E-01	7.77E-05	1.40E-02	1.13E-02	1.80E-01	1.74E-01	1.84E+01	1.40E-01	5.75E-02	1.88E+01
3680	478863.09	3851377.25	2.17881	1.593	1.6274	0.92614	1.66E-01	1.70E+01	1.80E-01	5.30E-02	1.74E+01	1.61E-01	7.18E-05	1.80E-02	1.04E-02	1.90E-01	1.81E-01	1.70E+01	1.80E-01	5.30E-02	1.74E+01
3681	479363.09	3851377.25	2.18065	2.2638	1.9375	0.75499	1.66E-01	2.42E+01	2.14E-01	4.32E-02	2.46E+01	1.61E-01	1.02E-04	2.14E-02	8.45E-03	1.91E-01	1.81E-01	2.42E+01	2.14E-01	4.32E-02	2.46E+01
3682	479863.09	3851377.25	2.36646	1.84702	2.1098	0.55446	1.80E-01	1.97E+01	2.33E-01	3.17E-02	2.02E+01	1.75E-01	8.33E-05	2.33E-02	6.21E-03	2.05E-01	1.96E-01	1.97E+01	2.33E-01	3.17E-02	2.02E+01
3683	480363.09	3851377.25	2.85011	1.22736	2.0667	0.43943	2.17E-01	1.31E+01	2.28E-01	2.51E-02	1.36E+01	2.11E-01	5.53E-05	2.28E-02	4.92E-03	2.39E-01	2.37E-01	1.31E+01	2.28E-01	2.51E-02	1.36E+01
3684	480863.09	3851377.25	3.30265	1.17288	1.7949	0.49159	2.52E-01	1.25E+01	1.98E-01	2.81E-02	1.30E+01	2.45E-01	5.29E-05	1.98E-02	5.50E-03	2.70E-01	2.74E-01	1.25E+01	1.98E-01	2.81E-02	1.30E+01
3685	481363.09	3851377.25	4.78137	1.13052	1.3648	0.55435	3.64E-01	1.21E+01	1.51E-01	3.17E-02	1.26E+01	3.54E-01	5.10E-05	1.51E-02	6.21E-03	3.75E-01	3.97E-01	1.21E+01	1.51E-01	3.17E-02	1.26E+01
3686	481863.09	3851377.25	3.10623	0.87219	1.336	0.61759	2.37E-01	9.31E+00	1.48E-01	3.53E-02	9.73E+00	2.30E-01	3.93E-05	1.48E-02	6.91E-03	2.52E-01	2.58E-01	9.31E+00	1.48E-01	3.53E-02	9.75E+00
3687	482363.09	3851377.25	3.40665	0.49699	5.08	0.7142	2.60E-01	5.30E+00	5.62E-01	4.08E-02	6.17E+00	2.52E-01	2.24E-05	5.62E-02	7.99E-03	3.16E-01	2.83E-01	5.30E+00	5.62E-01	4.08E-02	6.19E+00
3688	482863.09	3851377.25	2.03632	0.32032	5.5965	1.20277	1.55E-01	3.42E+00	6.19E-01	6.88E-02	4.26E+00	1.51E-01	1.44E-05	6.19E-02	1.35E-02	2.26E-01	1.69E-01	3.42E+00	6.19E-01	6.88E-02	4.27E+00
3689	483363.09	3851377.25	0.94498	0.30515	1.0758	0.59771	7.20E-02	3.26E+00	1.19E-01	3.42E-02	3.48E+00	7.00E-02	1.38E-05	1.19E-02	6.69E-03	8.86E-02	7.85E-02	3.26E+00	1.19E-01	3.42E-02	3.49E+00
3690	483863.09	3851377.25	0.98642	0.24525	3.5524	0.46289	7.52E-02	2.62E+00	3.93E-01	2.65E-02	3.11E+00	7.30E-02	1.11E-05	3.93E-02	5.18E-03	1.17E-01	8.19E-02	2.62E+00	3.93E-01	2.65E-02	3.12E+00
3691	484363.09	3851377.25	1.23888	0.41507	9.9005	0.50562	9.44E-02	4.43E+00	1.09E+00	2.89E-02	5.65E+00	9.17E-02	1.87E-05	1.09E-01	5.66E-03	2.07E-01	1.03E-01	4.43E+00	1.09E+00	2.89E-02	5.66E+00
3692	484863.09	3851377.25	0.70609	0.20308	1.6843	0.46759	5.38E-02	2.17E+00	1.86E-01	2.67E-02	2.43E+00	5.23E-02	9.15E-06	1.86E-02	5.23E-03	7.61E-02	5.86E-02	2.17E+00	1.86E-01	2.67E-02	2.44E+00
3693	485363.09	3851377.25	1.28409	0.28396	2.7198	0.54211	9.79E-02	3.03E+00	3.01E-01	3.10E-02	3.46E+00	9.51E-02	1.28E-05	3.01E-02	6.07E-03	1.31E-01	1.07E-01	3.03E+00	3.01E-01	3.10E-02	3.47E+00
3694	485863.09	3851377.25	0.62704	0.33029	3.5197	0.50806	4.78E-02	3.52E+00	3.89E-01	2.91E-02	3.99E+00	4.64E-02	1.49E-05	3.89E-02	5.69E-03	9.10E-02	5.21E-02	3.52E+00	3.89E-01	2.91E-02	4.00E+00
3695	486363.09	3851377.25	0.62326	0.25857	3.4704	0.7825	4.75E-02	2.76E+00	3.84E-01	4.47E-02	3.24E+00	4.61E-02	1.17E-05	3.84E-02	8.76E-03	9.33E-02	5.17E-02	2.76E+00	3.84E-01	4.47E-02	3.24E+00
3696	486863.09	3851377.25	0.53792	0.31862	6.1254	0.48315	4.10E-02	3.40E+00	6.77E-01	2.76E-02	4.15E+00	3.98E-02	1.44E-05	6.77E-02	5.41E-03	1.13E-01	4.47E-02	3.40E+00	6.77E-01	2.76E-02	4.15E+00
3697	487363.09	3851377.25	0.39136	0.35134	1.5675	0.42602	2.98E-02	3.75E+00	1.73E-01	2.44E-02	3.98E+00	2.90E-02	1.58E-05	1.73E-02	4.77E-03	5.11E-02	3.25E-02	3.75E+00	1.73E-01	2.44E-02	3.98E+00
3698	487863.09	3851377.25	0.39545	0.21599	1.9416	0.40563	3.01E-02	2.30E+00	2.15E-01	2.32E-02	2.57E+00	2.93E-02	9.74E-06	2.15E-02	4.54E-03	5.53E-02	3.28E-02	2.30E+00	2.15E-01	2.32E-02	2.58E+00
3699	488363.09	3851377.25	0.4439	0.22986	2.6942	0.46576	3.38E-02	2.45E+00	2.98E-01	2.66E-02	2.81E+00	3.29E-02	1.04E-05	2.98E-02	5.21E-03	6.79E-02	3.69E-02	2.45E+00	2.98E-01	2.66E-02	2.81E+00
3700	488863.09	3851377.25	0.43575	0.19442	2.4603	0.51736	3.32E-02	2.07E+00	2.72E-01	2.96E-02	2.41E+00	3.23E-02	8.76E-06	2.72E-02	5.79E-03	6.53E-02	3.62E-02	2.07E+00	2.72E-01	2.96E-02	2.41E+00
3701	489363.09	3851377.25	0.42824	0.14804	2.5163	0.44645	3.26E-02	1.58E+00	2.78E-01	2.55E-02	1.92E+00	3.17E-02	6.67E-06	2.78E-02	5.00E-03	6.45E-02	3.56E-02	1.58E+00	2.78E-01	2.55E-02	1.92E+00
3702	489863.09	3851377.25	0.42318	0.12642	3.1934	0.38946	3.23E-02	1.35E+00	3.53E-01	2.23E-02	1.76E+00	3.13E-02	5.70E-06	3.53E-02	4.36E-03	7.10E-02	3.51E-02	1.35E+00	3.53E-01	2.23E-02	1.76E+00
3703	490363.09	3851377.25	0.41952	0.11155	2.9282	0.37463	3.20E-02	1.19E+00	3.24E-01	2.14E-02	1.57E+00	3.11E-02	5.03E-06	3.24E-02	4.19E-03	6.76E-02	3.48E-02	1.19E+00	3.24E-01	2.14E-02	1.57E+00
3704	490863.09	3851377.25	0.39488	0.13106	2.4481	0.41912	3.01E-02	1.40E+00	2.71E-01	2.40E-02	1.72E+00	2.92E-02	5.91E-06	2.71E-02	4.69E-03	6.10E-02	3.28E-02	1.40E+00	2.71E-01	2.40E-02	1.73E+00
3705	491363.09	3851377.25	0.24787	0.12522	1.6617	0.3552	1.89E-02	1.34E+00	1.84E-01	2.03E-02	1.56E+00	1.84E-02	5.64E-06	1.84E-02	3.98E-03	4.07E-02	2.06E-02	1.34E+00	1.84E-01	2.03E-02	1.56E+00
3706	491863.09	3851377.25	0.23332	0.16269	1.7517	0.3255	1.78E-02	1.74E+00	1.94E-01	1.86E-02	1.97E+00	1.73E-02	7.33E-06	1.94E-02	3.64E-03	4.03E-02	1.94E-02	1.74E+00	1.94E-01	1.86E-02	1.97E+00
3707	492363.09	3851377.25	0.24436	0.21154	1.5413	0.27712	1.86E-02	2.26E+00	1.70E-01	1.58E-02	2.46E+00	1.81E-02	9.54E-06	1.70E-02	3.10E-03	3.82E-02	2.03E-02	2.26E+00	1.70E-01	1.58E-02	2.46E+00
3708	492863.09	3851377.25	0.24045	0.21064	1.9342	0.28727	1.83E-02	2.25E+00	2.14E-01	1.64E-02	2.50E+00	1.78E-02	9.50E-06	2.14E-02	3.22E-03	4.24E-02	2.00E-02	2.25E+00	2.14E-01	1.64E-02	2.50E+00
3709	493363.09	3851377.25	0.31479	0.17032	2.1855	0.28003	2.40E-02	1.82E+00	2.42E-01	1.60E-02	2.10E+00	2.33E-02	7.68E-06	2.42E-02	3.13E-03	5.06E-02	2.61E-02	1.82E+00	2.42E-01	1.60E-02	2.10E+00
3710	493863.09	3851377.25	0.34666	0.18653	1.6914	0.33846	2.64E-02	1.99E+00	1.87E-01	1.94E-02	2.22E+00	2.57E-02	8.41E-06	1.87E-02	3.79E-03	4.82E-02	2.88E-02	1.99E+00	1.87E-01	1.94E-02	2.23E+00
3711	494363.09	3851377.25	0.35286	0.26303	1.6223	0.32235	2.69E-02	2.81E+00	1.79E-01	1.84E-02	3.03E+00	2.61E-02	1.19E-05	1.79E-02	3.61E-03	4.77E-02	2.93E-02	2.81E+00	1.79E-01	1.84E-02	3.03E+00
3712	494863.09	3851377.25	0.35329	0.26847	1.8857	0.28741	2.69E-02	2.87E+00	2.08E-01	1.64E-02	3.12E+00	2.62E-02	1.21E-05	2.08E-02	3.22E-03	5.02E-02	2.93E-02	2.87E+00	2.08E-01	1.64E-02	3.12E+00
3713	495363.09	3851377.25	0.35291	0.19077	2.0664	0.35059	2.69E-02	2.04E+00	2.28E-01	2.00E-02	2.31E+00	2.61E-02	8.60E-06	2.28E-02	3.92E-03	5.29E-02	2.93E-02	2.04E+00	2.28E-01	2.00E-02	2.31E+00
3714	495863.09	3851377.25	0.35559	0.16271	1.6856	0.31523	2.71E-02	1.74E+00	1.86E-01	1.80E-02	1.97E+00	2.63E-02	7.33E-06	1.86E-02	3.53E-03	4.85E-02	2.95E-02	1.74E+00	1.86E-01	1.80E-02	1.97E+00
3715	496363.09	3851377.25	0.36862	0.15589	1.6718	0.2778	2.81E-02	1.66E+00	1.85E-01	1.59E-02	1.89E+00	2.73E-02	7.03E-06	1.85E-02	3.11E-03	4.89E-02	3.06E-02	1.66E+00	1.85E-01	1.59E-02	1.89E+00
3716	496863.09	3851377.25	0.3651	0.14054	1.7359	0.30441	2.78E-02	1.50E+00	1.92E-01	1.74E-02	1.74E+00	2.70E-02	6.34E-06	1.92E-02	3.41E-03	4.96E-02	3.03E-02	1.50E+00	1.92E-01	1.74E-02	1.74E+00
3717	497363.09	3851377.25	0.35496	0.12819	1.6268	0.32886	2.71E-02	1.37E+00	1.80E-01	1.88E-02	1.59E+00	2.63E-02	5.78E-06	1.80E-02	3.68E-03	4.80E-02	2.95E-02	1.37E+00	1.80E-01	1.88E-02	1.60E+00

3718	497863.09	3851377.25	0.34514	0.12416	1.5093	0.34861	2.63E-02	1.32E+00	1.67E-01	1.99E-02	1.54E+00	2.56E-02	5.60E-06	1.67E-02	3.90E-03	4.61E-02	2.87E-02	1.33E+00	1.67E-01	1.99E-02	1.54E+00
3719	498363.09	3851377.25	0.32177	0.12307	1.2571	0.36116	2.45E-02	1.31E+00	1.39E-01	2.07E-02	1.50E+00	2.38E-02	5.55E-06	1.39E-02	4.04E-03	4.18E-02	2.67E-02	1.31E+00	1.39E-01	2.07E-02	1.50E+00
3720	471363.09	3851877.25	0.74849	0.26745	2.3698	0.62824	5.71E-02	2.85E+00	2.62E-01	3.59E-02	3.21E+00	5.54E-02	1.21E-05	2.62E-02	7.03E-03	8.87E-02	6.21E-02	2.85E+00	2.62E-01	3.59E-02	3.21E+00
3721	471863.09	3851877.25	0.73819	0.24207	2.6202	0.6461	5.63E-02	2.58E+00	2.90E-01	3.69E-02	2.97E+00	5.47E-02	1.09E-05	2.90E-02	7.23E-03	9.09E-02	6.13E-02	2.58E+00	2.90E-01	3.69E-02	2.97E+00
3722	472363.09	3851877.25	0.91242	0.28787	2.9464	0.65454	6.95E-02	3.07E+00	3.26E-01	3.74E-02	3.50E+00	6.75E-02	1.30E-05	3.26E-02	7.33E-03	1.07E-01	7.58E-02	3.07E+00	3.26E-01	3.74E-02	3.51E+00
3723	472863.09	3851877.25	1.02761	0.34385	2.7387	0.65001	7.83E-02	3.67E+00	3.03E-01	3.72E-02	4.09E+00	7.61E-02	1.55E-05	3.03E-02	7.28E-03	1.14E-01	8.53E-02	3.67E+00	3.03E-01	3.72E-02	4.09E+00
3724	473363.09	3851877.25	0.94634	0.37925	1.8828	0.63119	7.21E-02	4.05E+00	2.08E-01	3.61E-02	4.36E+00	7.01E-02	1.71E-05	2.08E-02	7.07E-03	9.80E-02	7.86E-02	4.05E+00	2.08E-01	3.61E-02	4.37E+00
3725	473863.09	3851877.25	0.8625	0.4708	2.4298	0.60259	6.57E-02	5.02E+00	2.69E-01	3.45E-02	5.39E+00	6.39E-02	2.12E-05	2.69E-02	6.75E-03	9.75E-02	7.16E-02	5.02E+00	2.69E-01	3.45E-02	5.40E+00
3726	474363.09	3851877.25	0.97349	0.65492	2.8446	0.56713	7.42E-02	6.99E+00	3.15E-01	3.24E-02	7.41E+00	7.21E-02	2.95E-05	3.15E-02	6.35E-03	1.10E-01	8.08E-02	6.99E+00	3.15E-01	3.24E-02	7.42E+00
3727	474863.09	3851877.25	1.1051	0.80622	2.6931	0.52537	8.42E-02	8.60E+00	2.98E-01	3.00E-02	9.02E+00	8.18E-02	3.63E-05	2.98E-02	5.88E-03	1.18E-01	9.17E-02	8.60E+00	2.98E-01	3.00E-02	9.02E+00
3728	475363.09	3851877.25	1.39168	0.87215	2.083	0.47694	1.06E-01	9.31E+00	2.30E-01	2.73E-02	9.67E+00	1.03E-01	3.93E-05	2.30E-02	5.34E-03	1.31E-01	1.16E-01	9.31E+00	2.30E-01	2.73E-02	9.68E+00
3729	475863.09	3851877.25	1.66906	1.04487	1.3149	0.42157	1.27E-01	1.12E+01	1.45E-01	2.41E-02	1.14E+01	1.24E-01	4.71E-05	1.45E-02	4.72E-03	1.43E-01	1.39E-01	1.12E+01	1.45E-01	2.41E-02	1.15E+01
3730	476363.09	3851877.25	1.81887	0.91826	0.8877	0.37998	1.39E-01	9.80E+00	9.81E-02	2.17E-02	1.01E+01	1.35E-01	4.14E-05	9.81E-03	4.25E-03	1.49E-01	1.51E-01	9.80E+00	9.81E-02	2.17E-02	1.01E+01
3731	476863.09	3851877.25	1.86412	0.94604	0.8732	0.51629	1.42E-01	1.01E+01	9.65E-02	2.95E-02	1.04E+01	1.38E-01	4.26E-05	9.65E-03	5.78E-03	1.53E-01	1.55E-01	1.01E+01	9.65E-02	2.95E-02	1.04E+01
3732	477363.09	3851877.25	1.6436	0.92083	0.9868	0.68404	1.25E-01	9.83E+00	1.09E-01	3.91E-02	1.01E+01	1.22E-01	4.15E-05	1.09E-02	7.66E-03	1.40E-01	1.36E-01	9.83E+00	1.09E-01	3.91E-02	1.01E+01
3733	477863.09	3851877.25	2.16643	0.9461	1.1287	0.86425	1.65E-01	1.01E+01	1.25E-01	4.94E-02	1.04E+01	1.60E-01	4.26E-05	1.25E-02	9.67E-03	1.83E-01	1.80E-01	1.01E+01	1.25E-01	4.94E-02	1.05E+01
3734	478363.09	3851877.25	2.39535	1.05388	1.0372	1.01543	1.83E-01	1.12E+01	1.15E-01	5.81E-02	1.16E+01	1.77E-01	4.75E-05	1.15E-02	1.14E-02	2.00E-01	1.99E-01	1.12E+01	1.15E-01	5.81E-02	1.16E+01
3735	478863.09	3851877.25	2.49709	1.69407	1.197	1.07968	1.90E-01	1.81E+01	1.32E-01	6.17E-02	1.85E+01	1.85E-01	7.64E-05	1.32E-02	1.21E-02	2.10E-01	2.07E-01	1.81E+01	1.32E-01	6.17E-02	1.85E+01
3736	479363.09	3851877.25	2.62212	1.65043	1.596	1.01309	2.00E-01	1.76E+01	1.76E-01	5.79E-02	1.80E+01	1.94E-01	7.44E-05	1.76E-02	1.13E-02	2.23E-01	2.18E-01	1.76E+01	1.76E-01	5.79E-02	1.81E+01
3737	479863.09	3851877.25	2.52889	2.51603	1.973	0.82744	1.93E-01	2.69E+01	2.18E-01	4.73E-02	2.73E+01	1.87E-01	1.13E-04	2.18E-02	9.26E-03	2.18E-01	2.10E-01	2.69E+01	2.18E-01	4.73E-02	2.73E+01
3738	480363.09	3851877.25	2.7017	1.91778	2.2185	0.59751	2.06E-01	2.05E+01	2.45E-01	3.42E-02	2.10E+01	2.00E-01	8.65E-05	2.45E-02	6.69E-03	2.31E-01	2.24E-01	2.05E+01	2.45E-01	3.42E-02	2.10E+01
3739	480863.09	3851877.25	3.2765	1.42994	2.2301	0.44761	2.50E-01	1.53E+01	2.47E-01	2.56E-02	1.58E+01	2.43E-01	6.45E-05	2.47E-02	5.01E-03	2.72E-01	2.72E-01	1.53E+01	2.47E-01	2.56E-02	1.58E+01
3740	481363.09	3851877.25	3.81463	1.20763	1.9683	0.48722	2.91E-01	1.29E+01	2.18E-01	2.79E-02	1.34E+01	2.82E-01	5.44E-05	2.18E-02	5.45E-03	3.10E-01	3.17E-01	1.29E+01	2.18E-01	2.79E-02	1.34E+01
3741	481863.09	3851877.25	5.52162	1.1337	1.495	0.58575	4.21E-01	1.21E+01	1.65E-01	3.35E-02	1.27E+01	4.09E-01	5.11E-05	1.65E-02	6.56E-03	4.32E-01	4.58E-01	1.21E+01	1.65E-01	3.35E-02	1.28E+01
3742	482363.09	3851877.25	3.27173	0.64805	2.2437	0.74088	2.49E-01	6.92E+00	2.48E-01	4.24E-02	7.46E+00	2.42E-01	2.92E-05	2.48E-02	8.29E-03	2.75E-01	2.72E-01	6.92E+00	2.48E-01	4.24E-02	7.48E+00
3743	482863.09	3851877.25	2.54646	0.41766	8.1273	0.95825	1.94E-01	4.46E+00	8.99E-01	5.48E-02	5.60E+00	1.89E-01	1.88E-05	8.99E-02	1.07E-02	2.89E-01	2.11E-01	4.46E+00	8.99E-01	5.48E-02	5.62E+00
3744	483363.09	3851877.25	1.81719	0.3057	4.7245	1.40331	1.39E-01	3.26E+00	5.22E-01	8.02E-02	4.00E+00	1.35E-01	1.38E-05	5.22E-02	1.57E-02	2.02E-01	1.51E-01	3.26E+00	5.22E-01	8.02E-02	4.02E+00
3745	483863.09	3851877.25	1.30505	0.28736	2.5568	1.07073	9.95E-02	3.07E+00	2.83E-01	6.12E-02	3.51E+00	9.66E-02	1.30E-05	2.83E-02	1.20E-02	1.37E-01	1.08E-01	3.07E+00	2.83E-01	6.12E-02	3.52E+00
3746	484363.09	3851877.25	1.3899	0.40671	11.062	0.5286	1.06E-01	4.34E+00	1.22E+00	3.02E-02	5.70E+00	1.03E-01	1.83E-05	1.22E-01	5.92E-03	2.31E-01	1.15E-01	4.34E+00	1.22E+00	3.02E-02	5.71E+00
3747	484863.09	3851877.25	1.35223	0.4139	8.1863	0.56874	1.03E-01	4.42E+00	9.05E-01	3.25E-02	5.46E+00	1.00E-01	1.87E-05	9.05E-02	6.37E-03	1.97E-01	1.12E-01	4.42E+00	9.05E-01	3.25E-02	5.47E+00
3748	485363.09	3851877.25	1.29615	0.39236	2.4643	0.57976	9.88E-02	4.19E+00	2.72E-01	3.32E-02	4.59E+00	9.60E-02	1.77E-05	2.72E-02	6.49E-03	1.30E-01	1.08E-01	4.19E+00	2.72E-01	3.32E-02	4.60E+00
3749	485863.09	3851877.25	1.24952	0.3413	3.3187	1.20275	9.52E-02	3.64E+00	3.67E-01	6.88E-02	4.17E+00	9.25E-02	1.54E-05	3.67E-02	1.35E-02	1.43E-01	1.04E-01	3.64E+00	3.67E-01	6.88E-02	4.18E+00
3750	486363.09	3851877.25	0.7874	0.2669	5.0449	0.85953	6.00E-02	2.85E+00	5.58E-01	4.92E-02	3.52E+00	5.83E-02	1.20E-05	5.58E-02	9.62E-03	1.24E-01	6.54E-02	2.85E+00	5.58E-01	4.92E-02	3.52E+00
3751	486863.09	3851877.25	0.5854	0.30167	7.5175	0.59523	4.46E-02	3.22E+00	8.31E-01	3.40E-02	4.13E+00	4.33E-02	1.36E-05	8.31E-02	6.66E-03	1.33E-01	4.86E-02	3.22E+00	8.31E-01	3.40E-02	4.13E+00
3752	487363.09	3851877.25	0.46516	0.36585	3.313	0.38554	3.55E-02	3.90E+00	3.66E-01	2.20E-02	4.33E+00	3.44E-02	1.65E-05	3.66E-02	4.32E-03	7.54E-02	3.86E-02	3.90E+00	3.66E-01	2.20E-02	4.33E+00
3753	487863.09	3851877.25	0.45154	0.2173	2.0462	0.39769	3.44E-02	2.32E+00	2.26E-01	2.27E-02	2.60E+00	3.34E-02	9.80E-06	2.26E-02	4.45E-03	6.05E-02	3.75E-02	2.32E+00	2.26E-01	2.27E-02	2.61E+00
3754	488363.09	3851877.25	0.44236	0.23359	2.834	0.48011	3.37E-02	2.49E+00	3.13E-01	2.75E-02	2.87E+00	3.27E-02	1.05E-05	3.13E-02	5.37E-03	6.95E-02	3.67E-02	2.49E+00	3.13E-01	2.75E-02	2.87E+00
3755	488863.09	3851877.25	0.4326	0.18127	2.4287	0.55796	3.30E-02	1.93E+00	2.69E-01	3.19E-02	2.27E+00	3.20E-02	8.17E-06	2.69E-02	6.25E-03	6.51E-02	3.59E-02	1.93E+00	2.69E-01	3.19E-02	2.27E+00
3756	489363.09	3851877.25	0.42562	0.1272	2.7261	0.47662	3.24E-02	1.36E+00	3.01E-01	2.73E-02	1.72E+00	3.15E-02	5.73E-06	3.01E-02	5.34E-03	6.70E-02	3.53E-02	1.36E+00	3.01E-01	2.73E-02	1.72E+00
3757	489863.09	3851877.25	0.42117	0.13018	3.3252	0.40801	3.21E-02	1.39E+00	3.68E-01	2.33E-02	1.81E+00	3.12E-02	5.87E-06	3.68E-02	4.57E-03	7.25E-02	3.50E-02	1.39E+00	3.68E-01	2.33E-02	1.82E+00
3758	490363.09	3851877.25	0.40987	0.12797	2.6147	0.40394	3.12E-02	1.37E+00	2.89E-01	2.31E-02	1.71E+00	3.03E-02	5.77E-06	2.89E-02	4.52E-03	6.38E-02	3.40E-02	1.37E+00	2.89E-01	2.31E-02	1.71E+00
3759	490863.09	3851877.25	0.29771	0.12699	2.3244	0.41939	2.27E-02	1.36E+00	2.57E-01	2.40E-02	1.66E+00	2.20E-02	5.72E-06	2.57E-02	4.69E-03	5.24E-02	2.47E-02	1.36E+00	2.57E-01	2.40E-02	1.66E+00
3760	491363.09	3851877.25	0.29122	0.15029	2.9043	0.34974	2.22E-02	1.60E+00	3.21E-01	2.00E-02	1.97E+00	2.16E-02	6.77E-06	3.21E-02	3.92E-03	5.76E-02	2.42E-02	1.60E+00	3.21E-01	2.00E-02	1.97E+00
3761	491863.09	3851877.25	0.29625	0.20725	2.7628	0.31375	2.26E-02	2.21E+00	3.05E-01	1.79E-02	2.56E+00	2.19E-02	9.34E-06	3.05E-02	3.51E-03	5.60E-02	2.46E-02	2.21E+00	3.05E-01	1.79E-02	2.56E+00
3762	492363.09	3851877.25	0.32917	0.21915	1.7868	0.36458	2.51E-02	2.34E+00	1.98E-01	2.08E-02	2.58E+00	2.44E-02	9.88E-06	1.98E-02	4.08E-03	4.82E-02	2.73E-02	2.34E+00	1.98E-01	2.08E-02	2.58E+00
3763	492863.09	3851877.25	0.35073	0.17768	2.2785	0.36049	2.67E-02	1.90E+00	2.52E-01	2.06E-02	2.20E+00	2.60E-02	8.01E-06	2.52E-02	4.04E-03	5.52E-02	2.91E-02	1.90E+00	2.52E-01	2.06E-02	2.20E+00
3764	493363.09	3851877.25	0.35346	0.17026	1.8497	0.40835	2.69E-02	1.82E+00	2.05E-01	2.34E-02	2.07E+00	2.62E-02	7.68E-06	2.05E-02	4.57E-03	5.12E-02	2.93E-02	1.82E+00	2.05E-01	2.34E-02	2.07E+00
3765	493863.09	3851877.25	0.36997	0.25041	2.1574	0.39817	2.82E-02	2.67E+00	2.39E-01	2.28E-02	2.96E+00	2.74E-02	1.13E-05	2.39E-02	4.46E-03	5.57E-02	3.07E-02	2.67E+00	2.39E-01	2.28E-02	2.96E+00
3766	494363.09	3851877.25	0.35351	0.28153	2.3666	0.36621	2.69E-02	3.00E+00	2.62E-01	2.09E-02	3.31E+00	2.62E-02	1.27E-05	2.62E-02	4.10E-03	5.64E-02	2.93E-02	3.00E+00	2.62E-01	2.09E-02	3.32E+00
3767	494863.09	3851877.25	0.41221	0.21124	2.1649	0.32565	3.14E-02	2.25E+00	2.39E-01	1.86E-02	2.54E+00	3.05E-02	9.52E-06	2.39E-02	3.65E-03	5.81E-02	3.42E-02	2.25E+00	2.39E-01	1.86E-02	2.55E+00
3768	495363.09	3851877.25	0.43814	0.1582	1.7488	0.33922	3.34E-02	1.69E+00	1.93E-01	1.94E-02	1.93E+00	3.24E-02	7.13E-06	1.93E-02	3.80E-03	5.56E-02	3.64E-02	1.69E+00	1.93E-01	1.94E-02	1.94E+00
3769	495863.09	3851877.25	0.44712	0.1605	1.7927	0.35711	3.41E-02	1.71E+00	1.98E-01	2.04E-02	1.97E+00	3.31E-02	7.24E-06	1.98E-02	4.00E-03	5.69E-02	3.71E-02	1.71E+00	1.98E-01	2.04E-02	1.97E+00
3770	496363.09	3851877.25	0.426	0.15841	1.8012	0.35417	3.25E-02	1.69E+00	1.99E-01	2.03E-02	1.94E+00	3.15E-02	7.14E-06	1.99E-02	3.96E-03	5.54E-02	3.54E-02	1.69E+00	1.99E-01	2.03E-02	1.95E+00
3771	496863.09	3851877.25	0.40113	0.14666	1.6509	0.33653	3.06E-02	1.57E+00	1.83E-01	1.92E-02	1.80E+00	2.97E-02	6.61E-06	1.83E-02	3.77E-03	5.17E-02	3.33E-02	1.57E+00	1.83E-01	1.92E-02	1.80E+00
3772	497363.09	3851877.25	0.37417	0.1328	1.4785	0.35476	2.85E-02	1.42E+00	1.63E-01	2.03E-02	1.63E+00	2.77E-02	5.99E-06	1.63E-02	3.97E-03	4.80E-02	3.11E-02	1.42E+00	1.63E-01	2.03E-02	1.63E+00
3773	497863.09	3851877.25	0.32704	0.12956	1.1387	0.36538	2.49E-02	1.38E+00	1.26E-01	2.09E-02	1.55E+00	2.42E-02	5.84E-06	1.26E-02	4.09E-03	4.09E-02	2.72E-02	1.38E+00	1.26E-01	2.09E-02	1.56E+00
3774	498363.09	3851877.25	0.28366	0.1397	1.2528	0.36443	2.16E-02	1.49E+00	1.39E-01	2.08E-02	1.67E+00	2.10E-02	6.30E-06	1.39E-02	4.08E-03	3.89E-02	2.35E-02	1.49E+00	1.39E-01	2.08E-02	1.67E+00
3775	471363.09	3852377.25	0.79263	0.256	1.4122	0.56842	6.04E-02	2.73E+00	1.56E-01	3.25E-02	2.98E+00	5.87E-02	1.15E-05	1.56E-02	6.36E-03	8.07E-02	6.58E-02	2.73E+00	1.56E-01	3.25E-02	2.99E+00
3776	471863.09	3852377.25	0.98021	0.25398	1.5381	0.60411	7.47E-02	2.71E+00	1.70E-01	3.45E-02	2.99E+00	7.26E-02	1.14E-05	1.70E-02	6.76E-03	9.63E-02	8.14E-02	2.71E+00	1.70E-01	3.45E-02	3.00E+00
3777	472363.09	3852377.25	0.92078	0.28177	2.135	0.63819	7.02E-02	3.01E+00	2.36E-01	3.65E-02	3.35E+00	6.82E-02	1.27E-05	2.36E-02	7.14E-03	9.89E-02	7.64E-02	3.01E+00	2.36E-01	3.65E-02	3.36E+00
3778	472863.09	3852377.25	0.89493	0.29811	2.8596	0.66668	6.82E-02	3.18E+00	3.16E-01	3.81E-02	3.60E+00	6.63E-02	1.34E-05	3.16E-02	7.46E-03	1.05E-01	7.43E-02	3.18E+00	3.16E-01	3.81E-02	3.61E+00

3779	473363.09	3852377.25	0.88241	0.30282	3.2336	0.68443	6.73E-02	3.23E+00	3.58E-01	3.91E-02	3.70E+00	6.53E-02	1.37E-05	3.58E-02	7.66E-03	1.09E-01	7.33E-02	3.23E+00	3.58E-01	3.91E-02	3.70E+00
3780	473863.09	3852377.25	0.98256	0.35221	3.0683	0.6873	7.49E-02	3.76E+00	3.39E-01	3.93E-02	4.21E+00	7.27E-02	1.59E-05	3.39E-02	7.69E-03	1.14E-01	8.16E-02	3.76E+00	3.39E-01	3.93E-02	4.22E+00
3781	474363.09	3852377.25	1.05226	0.41802	2.4582	0.67401	8.02E-02	4.46E+00	2.72E-01	3.85E-02	4.85E+00	7.79E-02	1.88E-05	2.72E-02	7.55E-03	1.13E-01	8.74E-02	4.46E+00	2.72E-01	3.85E-02	4.86E+00
3782	474863.09	3852377.25	1.24904	0.63949	2.7121	0.64852	9.52E-02	6.82E+00	3.00E-01	3.71E-02	7.26E+00	9.25E-02	2.88E-05	3.00E-02	7.26E-03	1.30E-01	1.04E-01	6.82E+00	3.00E-01	3.71E-02	7.27E+00
3783	475363.09	3852377.25	1.16606	0.77795	3.1233	0.6428	8.89E-02	8.30E+00	3.45E-01	3.68E-02	8.77E+00	8.63E-02	3.51E-05	3.45E-02	7.20E-03	1.28E-01	9.68E-02	8.30E+00	3.45E-01	3.68E-02	8.78E+00
3784	475863.09	3852377.25	1.17427	0.83274	2.9727	0.56326	8.95E-02	8.89E+00	3.29E-01	3.22E-02	9.34E+00	8.69E-02	3.75E-05	3.29E-02	6.31E-03	1.26E-01	9.75E-02	8.89E+00	3.29E-01	3.22E-02	9.35E+00
3785	476363.09	3852377.25	1.3788	0.75552	2.2504	0.50943	1.05E-01	8.06E+00	2.49E-01	2.91E-02	8.45E+00	1.02E-01	3.41E-05	2.49E-02	5.70E-03	1.33E-01	1.14E-01	8.06E+00	2.49E-01	2.91E-02	8.46E+00
3786	476863.09	3852377.25	1.78124	0.84683	1.3494	0.44739	1.36E-01	9.04E+00	1.49E-01	2.56E-02	9.35E+00	1.32E-01	3.82E-05	1.49E-02	5.01E-03	1.52E-01	1.48E-01	9.04E+00	1.49E-01	2.56E-02	9.36E+00
3787	477363.09	3852377.25	1.95432	0.68928	0.9474	0.47985	1.49E-01	7.36E+00	1.05E-01	2.74E-02	7.64E+00	1.45E-01	3.11E-05	1.05E-02	5.37E-03	1.61E-01	1.62E-01	7.36E+00	1.05E-01	2.74E-02	7.65E+00
3788	477863.09	3852377.25	1.54108	0.49632	0.9271	0.65384	1.17E-01	5.30E+00	1.03E-01	3.74E-02	5.55E+00	1.14E-01	2.24E-05	1.03E-02	7.32E-03	1.32E-01	1.28E-01	5.30E+00	1.03E-01	3.74E-02	5.56E+00
3789	478363.09	3852377.25	1.56811	0.52002	1.0032	0.85719	1.20E-01	5.55E+00	1.11E-01	4.90E-02	5.83E+00	1.16E-01	2.34E-05	1.11E-02	9.60E-03	1.37E-01	1.30E-01	5.55E+00	1.11E-01	4.90E-02	5.84E+00
3790	478863.09	3852377.25	2.45733	0.72102	1.0753	1.04871	1.87E-01	7.69E+00	1.19E-01	6.00E-02	8.06E+00	1.82E-01	3.25E-05	1.19E-02	1.17E-02	2.06E-01	2.04E-01	7.69E+00	1.19E-01	6.00E-02	8.08E+00
3791	479363.09	3852377.25	2.89801	1.0966	1.1295	1.15726	2.21E-01	1.17E+01	1.25E-01	6.62E-02	1.21E+01	2.15E-01	4.94E-05	1.25E-02	1.30E-02	2.40E-01	2.41E-01	1.17E+01	1.25E-01	6.62E-02	1.21E+01
3792	479863.09	3852377.25	3.19923	1.30707	1.5364	1.11414	2.44E-01	1.39E+01	1.70E-01	6.37E-02	1.44E+01	2.37E-01	5.89E-05	1.70E-02	1.25E-02	2.66E-01	2.66E-01	1.39E+01	1.70E-01	6.37E-02	1.44E+01
3793	480363.09	3852377.25	3.02038	2.77769	1.9887	0.91359	2.30E-01	2.96E+01	2.20E-01	5.22E-02	3.01E+01	2.24E-01	1.25E-04	2.20E-02	1.02E-02	2.56E-01	2.51E-01	2.96E+01	2.20E-01	5.22E-02	3.02E+01
3794	480863.09	3852377.25	3.32169	2.01249	2.3226	0.64602	2.53E-01	2.15E+01	2.57E-01	3.69E-02	2.20E+01	2.46E-01	9.07E-05	2.57E-02	7.23E-03	2.79E-01	2.76E-01	2.15E+01	2.57E-01	3.69E-02	2.20E+01
3795	481363.09	3852377.25	3.82429	1.65922	2.4068	0.47532	2.91E-01	1.77E+01	2.66E-01	2.72E-02	1.83E+01	2.83E-01	7.48E-05	2.66E-02	5.32E-03	3.15E-01	3.17E-01	1.77E+01	2.66E-01	2.72E-02	1.83E+01
3796	481863.09	3852377.25	4.4968	1.28423	2.1649	0.54665	3.43E-01	1.37E+01	2.39E-01	3.13E-02	1.43E+01	3.33E-01	5.79E-05	2.39E-02	6.12E-03	3.63E-01	3.73E-01	1.37E+01	2.39E-01	3.13E-02	1.43E+01
3797	482363.09	3852377.25	6.37353	1.21402	1.6492	0.76057	4.86E-01	1.30E+01	1.82E-01	4.35E-02	1.37E+01	4.72E-01	5.47E-05	1.82E-02	8.51E-03	4.99E-01	5.29E-01	1.30E+01	1.82E-01	4.35E-02	1.37E+01
3798	482863.09	3852377.25	4.10582	0.7446	1.7522	0.7893	3.13E-01	7.95E+00	1.94E-01	4.51E-02	8.50E+00	3.04E-01	3.36E-05	1.94E-02	8.84E-03	3.32E-01	3.41E-01	7.95E+00	1.94E-01	4.51E-02	8.53E+00
3799	483363.09	3852377.25	3.74169	0.39683	7.5982	1.39294	2.85E-01	4.23E+00	8.40E-01	7.97E-02	5.44E+00	2.77E-01	1.79E-05	8.40E-02	1.56E-02	3.77E-01	3.11E-01	4.23E+00	8.40E-01	7.97E-02	5.47E+00
3800	483863.09	3852377.25	1.5667	0.30527	3.51	1.35661	1.19E-01	3.26E+00	3.88E-01	7.76E-02	3.84E+00	1.16E-01	1.38E-05	3.88E-02	1.52E-02	1.70E-01	1.30E-01	3.26E+00	3.88E-01	7.76E-02	3.85E+00
3801	484363.09	3852377.25	1.7021	0.38195	5.3997	1.04981	1.30E-01	4.08E+00	5.97E-01	6.00E-02	4.86E+00	1.26E-01	1.72E-05	5.97E-02	1.18E-02	1.97E-01	1.41E-01	4.08E+00	5.97E-01	6.00E-02	4.87E+00
3802	484863.09	3852377.25	2.22727	0.42309	12.74	0.57179	1.70E-01	4.52E+00	1.41E+00	3.27E-02	6.13E+00	1.65E-01	1.91E-05	1.41E-01	6.40E-03	3.12E-01	1.85E-01	4.52E+00	1.41E+00	3.27E-02	6.14E+00
3803	485363.09	3852377.25	1.89615	0.4037	3.8601	0.74568	1.45E-01	4.31E+00	4.27E-01	4.26E-02	4.92E+00	1.40E-01	1.82E-05	4.27E-02	8.35E-03	1.91E-01	1.57E-01	4.31E+00	4.27E-01	4.26E-02	4.94E+00
3804	485863.09	3852377.25	1.39323	0.35763	3.3011	1.60751	1.06E-01	3.82E+00	3.65E-01	9.19E-02	4.38E+00	1.03E-01	1.61E-05	3.65E-02	1.80E-02	1.58E-01	1.16E-01	3.82E+00	3.65E-01	9.19E-02	4.39E+00
3805	486363.09	3852377.25	0.9019	0.27982	7.1169	0.89161	6.87E-02	2.99E+00	7.87E-01	5.10E-02	3.89E+00	6.68E-02	1.26E-05	7.87E-02	9.98E-03	1.55E-01	7.49E-02	2.99E+00	7.87E-01	5.10E-02	3.90E+00
3806	486863.09	3852377.25	0.6351	0.2832	6.7498	0.54057	4.84E-02	3.02E+00	7.46E-01	3.09E-02	3.85E+00	4.70E-02	1.28E-05	7.46E-02	6.05E-03	1.28E-01	5.27E-02	3.02E+00	7.46E-01	3.09E-02	3.85E+00
3807	487363.09	3852377.25	0.45975	0.37636	3.8339	0.36949	3.50E-02	4.02E+00	4.24E-01	2.11E-02	4.50E+00	3.40E-02	1.70E-05	4.24E-02	4.14E-03	8.06E-02	3.82E-02	4.02E+00	4.24E-01	2.11E-02	4.50E+00
3808	487863.09	3852377.25	0.45095	0.21515	2.1616	0.44953	3.44E-02	2.30E+00	2.39E-01	2.57E-02	2.60E+00	3.34E-02	9.70E-06	2.39E-02	5.03E-03	6.23E-02	3.74E-02	2.30E+00	2.39E-01	2.57E-02	2.60E+00
3809	488363.09	3852377.25	0.43893	0.22865	3.0264	0.51971	3.35E-02	2.44E+00	3.35E-01	2.97E-02	2.84E+00	3.25E-02	1.03E-05	3.35E-02	5.82E-03	7.18E-02	3.64E-02	2.44E+00	3.35E-01	2.97E-02	2.84E+00
3810	488863.09	3852377.25	0.42941	0.17578	2.3877	0.60831	3.27E-02	1.88E+00	2.64E-01	3.48E-02	2.21E+00	3.18E-02	7.92E-06	2.64E-02	6.81E-03	6.50E-02	3.57E-02	1.88E+00	2.64E-01	3.48E-02	2.21E+00
3811	489363.09	3852377.25	0.42315	0.12694	2.8413	0.49058	3.23E-02	1.35E+00	3.14E-01	2.81E-02	1.73E+00	3.13E-02	5.72E-06	3.14E-02	5.49E-03	6.82E-02	3.51E-02	1.35E+00	3.14E-01	2.81E-02	1.73E+00
3812	489863.09	3852377.25	0.41726	0.12575	3.4867	0.40619	3.18E-02	1.34E+00	3.85E-01	2.32E-02	1.78E+00	3.09E-02	5.67E-06	3.85E-02	4.55E-03	7.40E-02	3.46E-02	1.34E+00	3.85E-01	2.32E-02	1.79E+00
3813	490363.09	3852377.25	0.3453	0.13945	2.7677	0.43361	2.63E-02	1.49E+00	3.06E-01	2.48E-02	1.85E+00	2.56E-02	6.29E-06	3.06E-02	4.85E-03	6.10E-02	2.87E-02	1.49E+00	3.06E-01	2.48E-02	1.85E+00
3814	490863.09	3852377.25	0.31129	0.13734	2.2494	0.40141	2.37E-02	1.47E+00	2.49E-01	2.30E-02	1.76E+00	2.30E-02	6.19E-06	2.49E-02	4.49E-03	5.24E-02	2.58E-02	1.47E+00	2.49E-01	2.30E-02	1.76E+00
3815	491363.09	3852377.25	0.37651	0.20067	3.2114	0.38734	2.87E-02	2.14E+00	3.55E-01	2.21E-02	2.55E+00	2.79E-02	9.05E-06	3.55E-02	4.34E-03	6.77E-02	3.13E-02	2.14E+00	3.55E-01	2.21E-02	2.55E+00
3816	491863.09	3852377.25	0.38912	0.22529	2.5648	0.42752	2.97E-02	2.40E+00	2.84E-01	2.44E-02	2.74E+00	2.88E-02	1.02E-05	2.84E-02	4.79E-03	6.20E-02	3.23E-02	2.40E+00	2.84E-01	2.44E-02	2.74E+00
3817	492363.09	3852377.25	0.43323	0.18981	2.7426	0.47385	3.30E-02	2.03E+00	3.03E-01	2.71E-02	2.39E+00	3.21E-02	8.56E-06	3.03E-02	5.30E-03	6.77E-02	3.60E-02	2.03E+00	3.03E-01	2.71E-02	2.39E+00
3818	492863.09	3852377.25	0.45438	0.15812	2.8166	0.45164	3.46E-02	1.69E+00	3.11E-01	2.58E-02	2.06E+00	3.36E-02	7.13E-06	3.11E-02	5.06E-03	6.98E-02	3.77E-02	1.69E+00	3.11E-01	2.58E-02	2.06E+00
3819	493363.09	3852377.25	0.52641	0.23187	2.5647	0.43046	4.01E-02	2.47E+00	2.84E-01	2.46E-02	2.82E+00	3.90E-02	1.05E-05	2.84E-02	4.82E-03	7.22E-02	4.37E-02	2.47E+00	2.84E-01	2.46E-02	2.83E+00
3820	493863.09	3852377.25	0.50628	0.29033	2.913	0.33621	3.86E-02	3.10E+00	3.22E-01	1.92E-02	3.48E+00	3.75E-02	1.31E-05	3.22E-02	3.76E-03	7.35E-02	4.20E-02	3.10E+00	3.22E-01	1.92E-02	3.48E+00
3821	494363.09	3852377.25	0.48201	0.23264	2.2711	0.33462	3.67E-02	2.48E+00	2.51E-01	1.91E-02	2.79E+00	3.57E-02	1.05E-05	2.51E-02	3.75E-03	6.46E-02	4.00E-02	2.48E+00	2.51E-01	1.91E-02	2.79E+00
3822	494863.09	3852377.25	0.50551	0.16473	1.8026	0.34868	3.85E-02	1.76E+00	1.99E-01	1.99E-02	2.02E+00	3.74E-02	7.43E-06	1.99E-02	3.90E-03	6.13E-02	4.20E-02	1.76E+00	1.99E-01	1.99E-02	2.02E+00
3823	495363.09	3852377.25	0.53091	0.19129	1.9157	0.36948	4.05E-02	2.04E+00	2.12E-01	2.11E-02	2.31E+00	3.93E-02	8.62E-06	2.12E-02	4.14E-03	6.46E-02	4.41E-02	2.04E+00	2.12E-01	2.11E-02	2.32E+00
3824	495863.09	3852377.25	0.49002	0.18127	1.848	0.36757	3.73E-02	1.93E+00	2.04E-01	2.10E-02	2.20E+00	3.63E-02	8.17E-06	2.04E-02	4.11E-03	6.08E-02	4.07E-02	1.93E+00	2.04E-01	2.10E-02	2.20E+00
3825	496363.09	3852377.25	0.44994	0.15627	1.6891	0.34015	3.43E-02	1.67E+00	1.87E-01	1.95E-02	1.91E+00	3.33E-02	7.04E-06	1.87E-02	3.81E-03	5.58E-02	3.74E-02	1.67E+00	1.87E-01	1.95E-02	1.91E+00
3826	496863.09	3852377.25	0.42166	0.13478	1.3886	0.35734	3.21E-02	1.44E+00	1.54E-01	2.04E-02	1.64E+00	3.12E-02	6.08E-06	1.54E-02	4.00E-03	5.06E-02	3.50E-02	1.44E+00	1.54E-01	2.04E-02	1.65E+00
3827	497363.09	3852377.25	0.34952	0.13559	1.2066	0.36688	2.66E-02	1.45E+00	1.33E-01	2.10E-02	1.63E+00	2.59E-02	6.11E-06	1.33E-02	4.11E-03	4.33E-02	2.90E-02	1.45E+00	1.33E-01	2.10E-02	1.63E+00
3828	497863.09	3852377.25	0.31151	0.13937	1.6913	0.36412	2.37E-02	1.49E+00	1.87E-01	2.08E-02	1.72E+00	2.31E-02	6.28E-06	1.87E-02	4.08E-03	4.58E-02	2.59E-02	1.49E+00	1.87E-01	2.08E-02	1.72E+00
3829	498363.09	3852377.25	0.29629	0.12541	2.0617	0.3474	2.26E-02	1.34E+00	2.28E-01	1.99E-02	1.61E+00	2.19E-02	5.65E-06	2.28E-02	3.89E-03	4.86E-02	2.46E-02	1.34E+00	2.28E-01	1.99E-02	1.61E+00
3830	471363.09	3852877.25	0.89206	0.23972	1.291	0.49611	6.80E-02	2.56E+00	1.43E-01	2.84E-02	2.80E+00	6.60E-02	1.08E-05	1.43E-02	5.55E-03	8.59E-02	7.41E-02	2.56E+00	1.43E-01	2.84E-02	2.80E+00
3831	471863.09	3852877.25	0.97174	0.24639	1.1959	0.52753	7.41E-02	2.63E+00	1.32E-01	3.02E-02	2.87E+00	7.19E-02	1.11E-05	1.32E-02	5.91E-03	9.11E-02	8.07E-02	2.63E+00	1.32E-01	3.02E-02	2.87E+00
3832	472363.09	3852877.25	1.03172	0.25556	1.3725	0.56192	7.86E-02	2.73E+00	1.52E-01	3.21E-02	2.99E+00	7.64E-02	1.15E-05	1.52E-02	6.29E-03	9.79E-02	8.57E-02	2.73E+00	1.52E-01	3.21E-02	3.00E+00
3833	472863.09	3852877.25	1.065	0.29235	1.5379	0.5997	8.12E-02	3.12E+00	1.70E-01	3.43E-02	3.41E+00	7.88E-02	1.32E-05	1.70E-02	6.71E-03	1.03E-01	8.84E-02	3.12E+00	1.70E-01	3.43E-02	3.41E+00
3834	473363.09	3852877.25	1.06885	0.333	1.8657	0.63979	8.15E-02	3.55E+00	2.06E-01	3.66E-02	3.88E+00	7.91E-02	1.50E-05	2.06E-02	7.16E-03	1.07E-01	8.87E-02	3.55E+00	2.06E-01	3.66E-02	3.89E+00
3835	473863.09	3852877.25	1.03927	0.36444	2.8004	0.67843	7.92E-02	3.89E+00	3.10E-01	3.88E-02	4.32E+00	7.69E-02	1.64E-05	3.10E-02	7.59E-03	1.16E-01	8.63E-02	3.89E+00	3.10E-01	3.88E-02	4.32E+00
3836	474363.09	3852877.25	1.4674	0.402	3.5778	0.70913	1.12E-01	4.29E+00	3.96E-01	4.06E-02	4.84E+00	1.09E-01	1.81E-05	3.96E-02	7.94E-03	1.56E-01	1.22E-01	4.29E+00	3.96E-01	4.06E-02	4.85E+00
3837	474863.09	3852877.25	1.06099	0.40383	3.6156	0.72285	8.09E-02	4.31E+00	4.00E-01	4.13E-02	4.83E+00	7.85E-02	1.82E-05	4.00E-02	8.09E-03	1.27E-01	8.81E-02	4.31E+00	4.00E-01	4.13E-02	4.84E+00
3838	475363.09	3852877.25	1.16792	0.50399	3.3061	0.71832	8.90E-02	5.38E+00	3.66E-01	4.11E-02	5.87E+00	8.65E-02	2.27E-05	3.66E-02	8.04E-03	1.31E-01	9.70E-02	5.38E+00	3.66E-01	4.11E-02	5.88E+00
3839	475863.09	3852877.25	1.26785	0.62144	2.6084	0.69264	9.66E-02	6.63E+00	2.88E-01	3.96E-02	7.06E+00	9.39E-02	2.80E-05	2.88E-02	7.75E-03	1.30E-01	1.05E-01	6.63E+00	2.88E-01	3.96E-02	7.07E+00

3840	476363.09	3852877.25	1.19789	0.69243	3.1375	0.65064	9.13E-02	7.39E+00	3.47E-01	3.72E-02	7.86E+00	8.87E-02	3.12E-05	3.47E-02	7.28E-03	1.31E-01	9.95E-02	7.39E+00	3.47E-01	3.72E-02	7.87E+00
3841	476863.09	3852877.25	0.93085	0.63939	2.8575	0.59905	7.10E-02	6.82E+00	3.16E-01	3.43E-02	7.24E+00	6.89E-02	2.88E-05	3.16E-02	6.71E-03	1.07E-01	7.73E-02	6.82E+00	3.16E-01	3.43E-02	7.25E+00
3842	477363.09	3852877.25	0.80803	0.49797	1.9168	0.54056	6.16E-02	5.31E+00	2.12E-01	3.09E-02	5.62E+00	5.98E-02	2.24E-05	2.12E-02	6.05E-03	8.71E-02	6.71E-02	5.31E+00	2.12E-01	3.09E-02	5.62E+00
3843	477863.09	3852877.25	0.78414	0.33664	0.9973	0.47138	5.98E-02	3.59E+00	1.10E-01	2.70E-02	3.79E+00	5.81E-02	1.52E-05	1.10E-02	5.28E-03	7.44E-02	6.51E-02	3.59E+00	1.10E-01	2.70E-02	3.79E+00
3844	478363.09	3852877.25	0.57906	0.35176	1.0167	0.61351	4.41E-02	3.75E+00	1.12E-01	3.51E-02	3.95E+00	4.29E-02	1.59E-05	1.12E-02	6.87E-03	6.10E-02	4.81E-02	3.75E+00	1.12E-01	3.51E-02	3.95E+00
3845	478863.09	3852877.25	0.75094	0.47592	0.9871	0.83675	5.72E-02	5.08E+00	1.09E-01	4.78E-02	5.29E+00	5.56E-02	2.15E-05	1.09E-02	9.37E-03	7.59E-02	6.23E-02	5.08E+00	1.09E-01	4.78E-02	5.30E+00
3846	479363.09	3852877.25	1.64857	0.68977	1.0367	1.0712	1.26E-01	7.36E+00	1.15E-01	6.13E-02	7.66E+00	1.22E-01	3.11E-05	1.15E-02	1.20E-02	1.46E-01	1.37E-01	7.36E+00	1.15E-01	6.13E-02	7.67E+00
3847	479863.09	3852877.25	3.04217	1.02081	1.1222	1.23543	2.32E-01	1.09E+01	1.24E-01	7.06E-02	1.13E+01	2.25E-01	4.60E-05	1.24E-02	1.38E-02	2.52E-01	2.53E-01	1.09E+01	1.24E-01	7.06E-02	1.13E+01
3848	480363.09	3852877.25	3.19206	1.69953	1.4592	1.23036	2.43E-01	1.81E+01	1.61E-01	7.04E-02	1.86E+01	2.36E-01	7.66E-05	1.61E-02	1.38E-02	2.66E-01	2.65E-01	1.81E+01	1.61E-01	7.04E-02	1.86E+01
3849	480863.09	3852877.25	3.73203	2.73407	1.9722	1.01843	2.84E-01	2.92E+01	2.18E-01	5.82E-02	2.97E+01	2.76E-01	1.23E-04	2.18E-02	1.14E-02	3.10E-01	3.10E-01	2.92E+01	2.18E-01	5.82E-02	2.98E+01
3850	481363.09	3852877.25	4.06458	2.1425	2.4158	0.7004	3.10E-01	2.29E+01	2.67E-01	4.01E-02	2.35E+01	3.01E-01	9.66E-05	2.67E-02	7.84E-03	3.36E-01	3.37E-01	2.29E+01	2.67E-01	4.01E-02	2.35E+01
3851	481863.09	3852877.25	4.48857	1.57713	2.5971	1.05951	3.42E-01	1.68E+01	2.87E-01	6.06E-02	1.75E+01	3.32E-01	7.11E-05	2.87E-02	1.19E-02	3.73E-01	3.73E-01	1.68E+01	2.87E-01	6.06E-02	1.76E+01
3852	482363.09	3852877.25	5.4185	1.4321	2.3917	0.76337	4.13E-01	1.53E+01	2.64E-01	4.37E-02	1.60E+01	4.01E-01	6.46E-05	2.64E-02	8.55E-03	4.36E-01	4.50E-01	1.53E+01	2.64E-01	4.37E-02	1.60E+01
3853	482863.09	3852877.25	7.281	1.24897	1.8307	0.85997	5.55E-01	1.33E+01	2.02E-01	4.92E-02	1.41E+01	5.39E-01	5.63E-05	2.02E-02	9.63E-03	5.69E-01	6.04E-01	1.33E+01	2.02E-01	4.92E-02	1.42E+01
3854	483363.09	3852877.25	5.17091	0.71449	2.0163	0.74139	3.94E-01	7.62E+00	2.23E-01	4.24E-02	8.28E+00	3.83E-01	3.22E-05	2.23E-02	8.30E-03	4.13E-01	4.29E-01	7.62E+00	2.23E-01	4.24E-02	8.32E+00
3855	483863.09	3852877.25	3.44765	0.37167	8.1159	1.66928	2.63E-01	3.97E+00	8.97E-01	9.55E-02	5.22E+00	2.55E-01	1.68E-05	8.97E-02	1.87E-02	3.64E-01	2.86E-01	3.97E+00	8.97E-01	9.55E-02	5.25E+00
3856	484363.09	3852877.25	2.2554	0.33789	1.773	1.66854	1.72E-01	3.61E+00	1.96E-01	9.54E-02	4.07E+00	1.67E-01	1.52E-05	1.96E-02	1.87E-02	2.05E-01	1.87E-01	3.61E+00	1.96E-01	9.54E-02	4.08E+00
3857	484863.09	3852877.25	3.14479	0.4291	7.4765	0.68584	2.40E-01	4.58E+00	8.27E-01	3.92E-02	5.68E+00	2.33E-01	1.93E-05	8.27E-02	7.68E-03	3.23E-01	2.61E-01	4.58E+00	8.27E-01	3.92E-02	5.71E+00
3858	485363.09	3852877.25	1.71345	0.408	11.123	1.52568	1.31E-01	4.35E+00	1.23E+00	8.72E-02	5.80E+00	1.27E-01	1.84E-05	1.23E-01	1.71E-02	2.67E-01	1.42E-01	4.35E+00	1.23E+00	8.72E-02	5.81E+00
3859	485863.09	3852877.25	1.27734	0.38676	3.031	1.12878	9.74E-02	4.13E+00	3.35E-01	6.45E-02	4.62E+00	9.46E-02	1.74E-05	3.35E-02	1.26E-02	1.41E-01	1.06E-01	4.13E+00	3.35E-01	6.45E-02	4.63E+00
3860	486363.09	3852877.25	0.83054	0.29663	4.5803	0.70107	6.33E-02	3.17E+00	5.06E-01	4.01E-02	3.78E+00	6.15E-02	1.34E-05	5.06E-02	7.85E-03	1.20E-01	6.90E-02	3.17E+00	5.06E-01	4.01E-02	3.78E+00
3861	486863.09	3852877.25	0.71841	0.26512	4.4906	0.38979	5.48E-02	2.83E+00	4.96E-01	2.23E-02	3.40E+00	5.32E-02	1.20E-05	4.96E-02	4.36E-03	1.07E-01	5.96E-02	2.83E+00	4.96E-01	2.23E-02	3.41E+00
3862	487363.09	3852877.25	0.46091	0.38253	3.1895	0.48014	3.51E-02	4.08E+00	3.53E-01	2.75E-02	4.50E+00	3.41E-02	1.72E-05	3.53E-02	5.37E-03	7.48E-02	3.83E-02	4.08E+00	3.53E-01	2.75E-02	4.50E+00
3863	487863.09	3852877.25	0.44764	0.24537	2.2886	0.49373	3.41E-02	2.62E+00	2.53E-01	2.82E-02	2.93E+00	3.31E-02	1.11E-05	2.53E-02	5.53E-03	6.40E-02	3.72E-02	2.62E+00	2.53E-01	2.82E-02	2.94E+00
3864	488363.09	3852877.25	0.43522	0.1841	3.488	0.57869	3.32E-02	1.96E+00	3.86E-01	3.31E-02	2.42E+00	3.22E-02	8.30E-06	3.86E-02	6.48E-03	7.73E-02	3.61E-02	1.96E+00	3.86E-01	3.31E-02	2.42E+00
3865	488863.09	3852877.25	0.42626	0.17807	2.3458	0.64123	3.25E-02	1.90E+00	2.59E-01	3.67E-02	2.23E+00	3.16E-02	8.03E-06	2.59E-02	7.18E-03	6.47E-02	3.54E-02	1.90E+00	2.59E-01	3.67E-02	2.23E+00
3866	489363.09	3852877.25	0.42059	0.13562	3.1588	0.46955	3.21E-02	1.45E+00	3.49E-01	2.69E-02	1.86E+00	3.11E-02	6.11E-06	3.49E-02	5.26E-03	7.13E-02	3.49E-02	1.45E+00	3.49E-01	2.69E-02	1.86E+00
3867	489863.09	3852877.25	0.3839	0.12694	3.4186	0.3906	2.93E-02	1.35E+00	3.78E-01	2.23E-02	1.78E+00	2.84E-02	5.72E-06	3.78E-02	4.37E-03	7.06E-02	3.19E-02	1.35E+00	3.78E-01	2.23E-02	1.79E+00
3868	490363.09	3852877.25	0.47534	0.14165	2.7475	0.50748	3.62E-02	1.51E+00	3.04E-01	2.90E-02	1.88E+00	3.52E-02	6.39E-06	3.04E-02	5.68E-03	7.13E-02	3.95E-02	1.51E+00	3.04E-01	2.90E-02	1.88E+00
3869	490863.09	3852877.25	0.58618	0.19205	3.3712	0.54465	4.47E-02	2.05E+00	3.73E-01	3.11E-02	2.50E+00	4.34E-02	8.66E-06	3.73E-02	6.10E-03	8.68E-02	4.87E-02	2.05E+00	3.73E-01	3.11E-02	2.50E+00
3870	491363.09	3852877.25	0.64393	0.22857	3.1213	0.56791	4.91E-02	2.44E+00	3.45E-01	3.25E-02	2.87E+00	4.77E-02	1.03E-05	3.45E-02	6.36E-03	8.85E-02	5.35E-02	2.44E+00	3.45E-01	3.25E-02	2.87E+00
3871	491863.09	3852877.25	0.61503	0.2047	3.1671	0.47349	4.69E-02	2.18E+00	3.50E-01	2.71E-02	2.61E+00	4.55E-02	9.23E-06	3.50E-02	5.30E-03	8.59E-02	5.11E-02	2.18E+00	3.50E-01	2.71E-02	2.61E+00
3872	492363.09	3852877.25	0.58109	0.19136	3.0925	0.42509	4.43E-02	2.04E+00	3.42E-01	2.43E-02	2.45E+00	4.30E-02	8.63E-06	3.42E-02	4.76E-03	8.20E-02	4.82E-02	2.04E+00	3.42E-01	2.43E-02	2.46E+00
3873	492863.09	3852877.25	0.71087	0.22018	2.8441	0.35995	5.42E-02	2.35E+00	3.14E-01	2.06E-02	2.74E+00	5.26E-02	9.93E-06	3.14E-02	4.03E-03	8.81E-02	5.90E-02	2.35E+00	3.14E-01	2.06E-02	2.74E+00
3874	493363.09	3852877.25	0.73676	0.29313	5.4399	0.39486	5.62E-02	3.13E+00	6.01E-01	2.26E-02	3.81E+00	5.45E-02	1.32E-05	6.01E-02	4.42E-03	1.19E-01	6.12E-02	3.13E+00	6.01E-01	2.26E-02	3.81E+00
3875	493863.09	3852877.25	0.68379	0.25461	2.8312	0.40798	5.21E-02	2.72E+00	3.13E-01	2.33E-02	3.11E+00	5.06E-02	1.15E-05	3.13E-02	4.57E-03	8.65E-02	5.68E-02	2.72E+00	3.13E-01	2.33E-02	3.11E+00
3876	494363.09	3852877.25	0.59743	0.19336	2.4639	0.35828	4.55E-02	2.06E+00	2.72E-01	2.05E-02	2.40E+00	4.42E-02	8.72E-06	2.72E-02	4.01E-03	7.55E-02	4.96E-02	2.06E+00	2.72E-01	2.05E-02	2.41E+00
3877	494863.09	3852877.25	0.64092	0.21837	2.0394	0.3826	4.89E-02	2.33E+00	2.25E-01	2.19E-02	2.63E+00	4.74E-02	9.84E-06	2.25E-02	4.28E-03	7.43E-02	5.32E-02	2.33E+00	2.25E-01	2.19E-02	2.63E+00
3878	495363.09	3852877.25	0.59654	0.19732	1.8676	0.38219	4.55E-02	2.11E+00	2.06E-01	2.19E-02	2.38E+00	4.42E-02	8.89E-06	2.06E-02	4.28E-03	6.91E-02	4.95E-02	2.11E+00	2.06E-01	2.19E-02	2.38E+00
3879	495863.09	3852877.25	0.54155	0.16373	1.6577	0.34967	4.13E-02	1.75E+00	1.83E-01	2.00E-02	1.99E+00	4.01E-02	7.38E-06	1.83E-02	3.91E-03	6.23E-02	4.50E-02	1.75E+00	1.83E-01	2.00E-02	2.00E+00
3880	496363.09	3852877.25	0.53346	0.14045	1.5038	0.3579	4.07E-02	1.50E+00	1.66E-01	2.05E-02	1.73E+00	3.95E-02	6.33E-06	1.66E-02	4.01E-03	6.01E-02	4.43E-02	1.50E+00	1.66E-01	2.05E-02	1.73E+00
3881	496863.09	3852877.25	0.48212	0.14016	1.9262	0.36586	3.67E-02	1.50E+00	2.13E-01	2.09E-02	1.77E+00	3.57E-02	6.32E-06	2.13E-02	4.10E-03	6.11E-02	4.00E-02	1.50E+00	2.13E-01	2.09E-02	1.77E+00
3882	497363.09	3852877.25	0.34309	0.13657	2.1549	0.3618	2.62E-02	1.46E+00	2.38E-01	2.07E-02	1.74E+00	2.54E-02	6.16E-06	2.38E-02	4.05E-03	5.33E-02	2.85E-02	1.46E+00	2.38E-01	2.07E-02	1.74E+00
3883	497863.09	3852877.25	0.30772	0.13729	2.4109	0.34589	2.35E-02	1.47E+00	2.67E-01	1.98E-02	1.77E+00	2.28E-02	6.19E-06	2.67E-02	3.87E-03	5.33E-02	2.55E-02	1.47E+00	2.67E-01	1.98E-02	1.78E+00
3884	498363.09	3852877.25	0.30574	0.13786	2.3659	0.31225	2.33E-02	1.47E+00	2.62E-01	1.79E-02	1.77E+00	2.26E-02	6.21E-06	2.62E-02	3.50E-03	5.23E-02	2.54E-02	1.47E+00	2.62E-01	1.79E-02	1.78E+00
3885	471363.09	3853377.25	0.70189	0.31429	1.6709	0.47413	5.35E-02	3.35E+00	1.85E-01	2.71E-02	3.62E+00	5.20E-02	1.42E-05	1.85E-02	5.31E-03	7.58E-02	5.83E-02	3.35E+00	1.85E-01	2.71E-02	3.62E+00
3886	471863.09	3853377.25	1.25599	0.28197	1.6211	0.4725	9.57E-02	3.01E+00	1.79E-01	2.70E-02	3.31E+00	9.30E-02	1.27E-05	1.79E-02	5.29E-03	1.16E-01	1.04E-01	3.01E+00	1.79E-01	2.70E-02	3.32E+00
3887	472363.09	3853377.25	1.26632	0.24745	1.5476	0.49024	9.65E-02	2.64E+00	1.71E-01	2.80E-02	2.94E+00	9.37E-02	1.12E-05	1.71E-02	5.49E-03	1.16E-01	1.05E-01	2.64E+00	1.71E-01	2.80E-02	2.95E+00
3888	472863.09	3853377.25	1.25684	0.25288	1.4508	0.51984	9.58E-02	2.70E+00	1.60E-01	2.97E-02	2.98E+00	9.30E-02	1.14E-05	1.60E-02	5.82E-03	1.15E-01	1.04E-01	2.70E+00	1.60E-01	2.97E-02	2.99E+00
3889	473363.09	3853377.25	1.22614	0.26173	1.4109	0.55171	9.35E-02	2.79E+00	1.56E-01	3.15E-02	3.07E+00	9.08E-02	1.18E-05	1.56E-02	6.18E-03	1.13E-01	1.02E-01	2.79E+00	1.56E-01	3.15E-02	3.08E+00
3890	473863.09	3853377.25	1.17382	0.29845	1.4925	0.58835	8.95E-02	3.18E+00	1.65E-01	3.36E-02	3.47E+00	8.69E-02	1.35E-05	1.65E-02	6.59E-03	1.10E-01	9.75E-02	3.18E+00	1.65E-01	3.36E-02	3.48E+00
3891	474363.09	3853377.25	1.09913	0.3374	1.681	0.63055	8.38E-02	3.60E+00	1.86E-01	3.61E-02	3.91E+00	8.14E-02	1.52E-05	1.86E-02	7.06E-03	1.07E-01	9.13E-02	3.60E+00	1.86E-01	3.61E-02	3.91E+00
3892	474863.09	3853377.25	1.12175	0.30554	2.152	0.67565	8.55E-02	3.26E+00	2.38E-01	3.86E-02	3.62E+00	8.30E-02	1.38E-05	2.38E-02	7.56E-03	1.14E-01	9.31E-02	3.26E+00	2.38E-01	3.86E-02	3.63E+00
3893	475363.09	3853377.25	1.12619	0.34406	3.0121	0.71845	8.58E-02	3.67E+00	3.33E-01	4.11E-02	4.13E+00	8.34E-02	1.55E-05	3.33E-02	8.04E-03	1.25E-01	9.35E-02	3.67E+00	3.33E-01	4.11E-02	4.14E+00
3894	475863.09	3853377.25	1.09468	0.39762	3.5141	0.74879	8.34E-02	4.24E+00	3.89E-01	4.28E-02	4.76E+00	8.10E-02	1.79E-05	3.89E-02	8.38E-03	1.28E-01	9.09E-02	4.24E+00	3.89E-01	4.28E-02	4.77E+00
3895	476363.09	3853377.25	1.02257	0.41036	3.0281	0.75566	7.79E-02	4.38E+00	3.35E-01	4.32E-02	4.84E+00	7.57E-02	1.85E-05	3.35E-02	8.46E-03	1.18E-01	8.49E-02	4.38E+00	3.35E-01	4.32E-02	4.84E+00
3896	476863.09	3853377.25	0.77245	0.42325	1.7383	0.73413	5.89E-02	4.52E+00	1.92E-01	4.20E-02	4.81E+00	5.72E-02	1.91E-05	1.92E-02	8.22E-03	8.46E-02	6.41E-02	4.52E+00	1.92E-01	4.20E-02	4.82E+00
3897	477363.09	3853377.25	0.73347	0.48873	2.1181	0.69006	5.59E-02	5.22E+00	2.34E-01	3.95E-02	5.55E+00	5.43E-02	2.20E-05	2.34E-02	7.72E-03	8.55E-02	6.09E-02	5.22E+00	2.34E-01	3.95E-02	5.55E+00
3898	477863.09	3853377.25	0.67592	0.50009	2.109	0.63284	5.15E-02	5.34E+00	2.33E-01	3.62E-02	5.66E+00	5.00E-02	2.25E-05	2.33E-02	7.08E-03	8.05E-02	5.61E-02	5.34E+00	2.33E-01	3.62E-02	5.66E+00
3899	478363.09	3853377.25	0.59606	0.3389	1.0892	0.56776	4.54E-02	3.62E+00	1.20E-01	3.25E-02	3.81E+00	4.41E-02	1.53E-05	1.20E-02	6.36E-03	6.25E-02	4.95E-02	3.62E+00	1.20E-01	3.25E-02	3.82E+00
3900	478863.09	3853377.25	0.49867	0.28561	1.0766	0.49134	3.80E-02	3.05E+00	1.19E-01	2.81E-02	3.23E+00	3.69E-02	1.29E-05	1.19E-02	5.50E-03	5.43E-02	4.14E-02	3.05E+00	1.19E-01	2.81E-02	3.24E+00

3901	479363.09	3853377.25	0.72826	0.47994	1.0958	0.80161	5.55E-02	5.12E+00	1.21E-01	4.58E-02	5.34E+00	5.39E-02	2.16E-05	1.21E-02	8.97E-03	7.50E-02	6.05E-02	5.12E+00	1.21E-01	4.58E-02	5.35E+00
3902	479863.09	3853377.25	1.53955	0.67585	1.0544	1.07839	1.17E-01	7.21E+00	1.17E-01	6.17E-02	7.51E+00	1.14E-01	3.05E-05	1.17E-02	1.21E-02	1.38E-01	1.28E-01	7.21E+00	1.17E-01	6.17E-02	7.52E+00
3903	480363.09	3853377.25	2.91082	1.11127	1.1202	1.31034	2.22E-01	1.19E+01	1.24E-01	7.49E-02	1.23E+01	2.15E-01	5.01E-05	1.24E-02	1.47E-02	2.43E-01	2.42E-01	1.19E+01	1.24E-01	7.49E-02	1.23E+01
3904	480863.09	3853377.25	3.71978	0.98742	1.3387	1.36523	2.84E-01	1.05E+01	1.48E-01	7.81E-02	1.10E+01	2.75E-01	4.45E-05	1.48E-02	1.53E-02	3.06E-01	3.09E-01	1.05E+01	1.48E-01	7.81E-02	1.11E+01
3905	481363.09	3853377.25	4.36327	2.25714	1.9192	1.14879	3.33E-01	2.41E+01	2.12E-01	6.57E-02	2.47E+01	3.23E-01	1.02E-04	2.12E-02	1.29E-02	3.57E-01	3.62E-01	2.41E+01	2.12E-01	6.57E-02	2.47E+01
3906	481863.09	3853377.25	4.91891	2.41558	2.4878	0.75963	3.75E-01	2.58E+01	2.75E-01	4.34E-02	2.65E+01	3.64E-01	1.09E-04	2.75E-02	8.50E-03	4.00E-01	4.08E-01	2.58E+01	2.75E-01	4.34E-02	2.65E+01
3907	482363.09	3853377.25	4.98662	1.4731	2.7974	1.09237	3.80E-01	1.57E+01	3.09E-01	6.25E-02	1.65E+01	3.69E-01	6.64E-05	3.09E-02	1.22E-02	4.12E-01	4.14E-01	1.57E+01	3.09E-01	6.25E-02	1.65E+01
3908	482863.09	3853377.25	6.79582	1.54676	2.6534	0.94042	5.18E-01	1.65E+01	2.93E-01	5.38E-02	1.74E+01	5.03E-01	6.97E-05	2.93E-02	1.05E-02	5.43E-01	5.64E-01	1.65E+01	2.93E-01	5.38E-02	1.74E+01
3909	483363.09	3853377.25	8.21302	1.06476	2.0384	0.83198	6.26E-01	1.14E+01	2.25E-01	4.76E-02	1.23E+01	6.08E-01	4.80E-05	2.25E-02	9.31E-03	6.40E-01	6.82E-01	1.14E+01	2.25E-01	4.76E-02	1.23E+01
3910	483863.09	3853377.25	6.44738	0.72113	2.6207	1.04943	4.91E-01	7.70E+00	2.90E-01	6.00E-02	8.54E+00	4.77E-01	3.25E-05	2.90E-02	1.17E-02	5.18E-01	5.35E-01	7.70E+00	2.90E-01	6.00E-02	8.58E+00
3911	484363.09	3853377.25	3.96693	0.52305	4.2	1.50073	3.02E-01	5.58E+00	4.64E-01	8.58E-02	6.43E+00	2.94E-01	2.36E-05	4.64E-02	1.68E-02	3.57E-01	3.29E-01	5.58E+00	4.64E-01	8.58E-02	6.46E+00
3912	484863.09	3853377.25	2.94881	0.42288	2.7086	1.39614	2.25E-01	4.51E+00	2.99E-01	7.98E-02	5.12E+00	2.18E-01	1.91E-05	2.99E-02	1.56E-02	2.64E-01	2.45E-01	4.51E+00	2.99E-01	7.98E-02	5.14E+00
3913	485363.09	3853377.25	1.36547	0.41442	15.112	1.89549	1.04E-01	4.42E+00	1.67E+00	1.08E-01	6.31E+00	1.01E-01	1.87E-05	1.67E-01	2.12E-02	2.89E-01	1.13E-01	4.42E+00	1.67E+00	1.08E-01	6.32E+00
3914	485863.09	3853377.25	0.7712	0.36256	2.4316	0.61706	5.88E-02	3.87E+00	2.69E-01	3.53E-02	4.23E+00	5.71E-02	1.63E-05	2.69E-02	6.91E-03	9.09E-02	6.40E-02	3.87E+00	2.69E-01	3.53E-02	4.24E+00
3915	486363.09	3853377.25	0.90333	0.31618	3.8036	0.49826	6.89E-02	3.37E+00	4.21E-01	2.85E-02	3.89E+00	6.69E-02	1.43E-05	4.21E-02	5.58E-03	1.15E-01	7.50E-02	3.37E+00	4.21E-01	2.85E-02	3.90E+00
3916	486863.09	3853377.25	0.68532	0.25022	3.2934	0.58469	5.22E-02	2.67E+00	3.64E-01	3.34E-02	3.12E+00	5.07E-02	1.13E-05	3.64E-02	6.55E-03	9.37E-02	5.69E-02	2.67E+00	3.64E-01	3.34E-02	3.12E+00
3917	487363.09	3853377.25	0.45845	0.38412	5.1722	0.52504	3.49E-02	4.10E+00	5.72E-01	3.00E-02	4.74E+00	3.39E-02	1.73E-05	5.72E-02	5.88E-03	9.70E-02	3.81E-02	4.10E+00	5.72E-01	3.00E-02	4.74E+00
3918	487863.09	3853377.25	0.47087	0.27638	2.4296	0.45471	3.59E-02	2.95E+00	2.69E-01	2.60E-02	3.28E+00	3.49E-02	1.25E-05	2.69E-02	5.09E-03	6.68E-02	3.91E-02	2.95E+00	2.69E-01	2.60E-02	3.28E+00
3919	488363.09	3853377.25	0.49003	0.26458	3.0681	0.5503	3.74E-02	2.82E+00	3.39E-01	3.15E-02	3.23E+00	3.63E-02	1.19E-05	3.39E-02	6.16E-03	7.64E-02	4.07E-02	2.82E+00	3.39E-01	3.15E-02	3.23E+00
3920	488863.09	3853377.25	0.59216	0.21829	2.6333	0.59824	4.51E-02	2.33E+00	2.91E-01	3.42E-02	2.70E+00	4.38E-02	9.84E-06	2.91E-02	6.70E-03	7.97E-02	4.92E-02	2.33E+00	2.91E-01	3.42E-02	2.70E+00
3921	489363.09	3853377.25	0.71771	0.20378	4.2761	0.78641	5.47E-02	2.17E+00	4.73E-01	4.50E-02	2.75E+00	5.31E-02	9.19E-06	4.73E-02	8.80E-03	1.09E-01	5.96E-02	2.17E+00	4.73E-01	4.50E-02	2.75E+00
3922	489863.09	3853377.25	0.73967	0.20317	3.4938	0.76177	5.64E-02	2.17E+00	3.86E-01	4.36E-02	2.65E+00	5.48E-02	9.16E-06	3.86E-02	8.53E-03	1.02E-01	6.14E-02	2.17E+00	3.86E-01	4.36E-02	2.66E+00
3923	490363.09	3853377.25	0.79267	0.20764	5.901	0.71565	6.04E-02	2.22E+00	6.52E-01	4.09E-02	2.97E+00	5.87E-02	9.36E-06	6.52E-02	8.01E-03	1.32E-01	6.58E-02	2.22E+00	6.52E-01	4.09E-02	2.98E+00
3924	490863.09	3853377.25	0.81416	0.22917	3.656	0.62163	6.21E-02	2.45E+00	4.04E-01	3.55E-02	2.95E+00	6.03E-02	1.03E-05	4.04E-02	6.96E-03	1.08E-01	6.76E-02	2.45E+00	4.04E-01	3.55E-02	2.95E+00
3925	491363.09	3853377.25	0.7586	0.21974	2.9397	0.4725	5.78E-02	2.35E+00	3.25E-01	2.70E-02	2.75E+00	5.62E-02	9.91E-06	3.25E-02	5.29E-03	9.40E-02	6.30E-02	2.35E+00	3.25E-01	2.70E-02	2.76E+00
3926	491863.09	3853377.25	0.76761	0.19507	3.3577	0.45301	5.85E-02	2.08E+00	3.71E-01	2.59E-02	2.54E+00	5.68E-02	8.79E-06	3.71E-02	5.07E-03	9.90E-02	6.37E-02	2.08E+00	3.71E-01	2.59E-02	2.54E+00
3927	492363.09	3853377.25	0.80401	0.22705	3.5856	0.40399	6.13E-02	2.42E+00	3.96E-01	2.31E-02	2.90E+00	5.95E-02	1.02E-05	3.96E-02	4.52E-03	1.04E-01	6.67E-02	2.42E+00	3.96E-01	2.31E-02	2.91E+00
3928	492863.09	3853377.25	0.91237	0.28826	8.9583	0.3793	6.95E-02	3.08E+00	9.90E-01	2.17E-02	4.16E+00	6.75E-02	1.30E-05	9.90E-02	4.25E-03	1.71E-01	7.57E-02	3.08E+00	9.90E-01	2.17E-02	4.16E+00
3929	493363.09	3853377.25	0.95896	0.27643	4.068	0.4246	7.31E-02	2.95E+00	4.50E-01	2.43E-02	3.50E+00	7.10E-02	1.25E-05	4.50E-02	4.75E-03	1.21E-01	7.96E-02	2.95E+00	4.50E-01	2.43E-02	3.50E+00
3930	493863.09	3853377.25	0.96498	0.22833	5.0855	0.37387	7.36E-02	2.44E+00	5.62E-01	2.14E-02	3.09E+00	7.14E-02	1.03E-05	5.62E-02	4.19E-03	1.32E-01	8.01E-02	2.44E+00	5.62E-01	2.14E-02	3.10E+00
3931	494363.09	3853377.25	0.88657	0.24091	2.1563	0.39667	6.76E-02	2.57E+00	2.38E-01	2.27E-02	2.90E+00	6.56E-02	1.09E-05	2.38E-02	4.44E-03	9.39E-02	7.36E-02	2.57E+00	2.38E-01	2.27E-02	2.91E+00
3932	494863.09	3853377.25	0.77641	0.21108	2.3369	0.40362	5.92E-02	2.25E+00	2.58E-01	2.31E-02	2.59E+00	5.75E-02	9.52E-06	2.58E-02	4.52E-03	8.78E-02	6.45E-02	2.25E+00	2.58E-01	2.31E-02	2.60E+00
3933	495363.09	3853377.25	0.72906	0.17835	2.5381	0.41217	5.56E-02	1.90E+00	2.81E-01	2.36E-02	2.26E+00	5.40E-02	8.04E-06	2.81E-02	4.61E-03	8.67E-02	6.05E-02	1.90E+00	2.81E-01	2.36E-02	2.27E+00
3934	495863.09	3853377.25	0.64732	0.15394	2.6641	0.39068	4.93E-02	1.64E+00	2.95E-01	2.23E-02	2.01E+00	4.79E-02	6.94E-06	2.95E-02	4.37E-03	8.18E-02	5.37E-02	1.64E+00	2.95E-01	2.23E-02	2.01E+00
3935	496363.09	3853377.25	0.53608	0.14466	3.0512	0.36724	4.09E-02	1.54E+00	3.37E-01	2.10E-02	1.94E+00	3.97E-02	6.52E-06	3.37E-02	4.11E-03	7.75E-02	4.45E-02	1.54E+00	3.37E-01	2.10E-02	1.95E+00
3936	496863.09	3853377.25	0.40788	0.14413	3.282	0.36046	3.11E-02	1.54E+00	3.63E-01	2.06E-02	1.95E+00	3.02E-02	6.50E-06	3.63E-02	4.04E-03	7.05E-02	3.39E-02	1.54E+00	3.63E-01	2.06E-02	1.96E+00
3937	497363.09	3853377.25	0.33761	0.14267	2.5537	0.347	2.57E-02	1.52E+00	2.82E-01	1.98E-02	1.85E+00	2.50E-02	6.43E-06	2.82E-02	3.88E-03	5.71E-02	2.80E-02	1.52E+00	2.82E-01	1.98E-02	1.85E+00
3938	497863.09	3853377.25	0.29501	0.16238	1.5536	0.30816	2.25E-02	1.73E+00	1.72E-01	1.76E-02	1.94E+00	2.18E-02	7.32E-06	1.72E-02	3.45E-03	4.25E-02	2.45E-02	1.73E+00	1.72E-01	1.76E-02	1.95E+00
3939	498363.09	3853377.25	0.28237	0.17749	1.1692	0.24138	2.15E-02	1.89E+00	1.29E-01	1.38E-02	2.06E+00	2.09E-02	8.00E-06	1.29E-02	2.70E-03	3.65E-02	2.34E-02	1.89E+00	1.29E-01	1.38E-02	2.06E+00
3940	471363.09	3853877.25	0.6478	0.33878	2.2789	0.4751	4.94E-02	3.62E+00	2.52E-01	2.72E-02	3.94E+00	4.80E-02	1.53E-05	2.52E-02	5.32E-03	7.85E-02	5.38E-02	3.62E+00	2.52E-01	2.72E-02	3.95E+00
3941	471863.09	3853877.25	1.01866	0.35716	2.8121	0.48578	7.76E-02	3.81E+00	3.11E-01	2.78E-02	4.23E+00	7.54E-02	1.61E-05	3.11E-02	5.44E-03	1.12E-01	8.46E-02	3.81E+00	3.11E-01	2.78E-02	4.23E+00
3942	472363.09	3853877.25	1.10685	0.3609	2.8258	0.49488	8.44E-02	3.85E+00	3.12E-01	2.83E-02	4.28E+00	8.19E-02	1.63E-05	3.12E-02	5.54E-03	1.19E-01	9.19E-02	3.85E+00	3.12E-01	2.83E-02	4.28E+00
3943	472863.09	3853877.25	1.18543	0.34697	2.7815	0.5034	9.04E-02	3.70E+00	3.08E-01	2.88E-02	4.13E+00	8.78E-02	1.56E-05	3.08E-02	5.64E-03	1.24E-01	9.84E-02	3.70E+00	3.08E-01	2.88E-02	4.14E+00
3944	473363.09	3853877.25	1.25194	0.31842	2.322	0.50956	9.54E-02	3.40E+00	2.57E-01	2.91E-02	3.78E+00	9.27E-02	1.44E-05	2.57E-02	5.70E-03	1.24E-01	1.04E-01	3.40E+00	2.57E-01	2.91E-02	3.79E+00
3945	473863.09	3853877.25	1.3037	0.28205	1.7901	0.51395	9.94E-02	3.01E+00	1.98E-01	2.94E-02	3.34E+00	9.65E-02	1.27E-05	1.98E-02	5.75E-03	1.22E-01	1.08E-01	3.01E+00	1.98E-01	2.94E-02	3.35E+00
3946	474363.09	3853877.25	1.33865	0.2731	1.6424	0.55166	1.02E-01	2.91E+00	1.82E-01	3.15E-02	3.23E+00	9.91E-02	1.23E-05	1.82E-02	6.18E-03	1.23E-01	1.11E-01	2.91E+00	1.82E-01	3.15E-02	3.24E+00
3947	474863.09	3853877.25	1.35445	0.28104	1.5561	0.57342	1.03E-01	3.00E+00	1.72E-01	3.28E-02	3.31E+00	1.00E-01	1.27E-05	1.72E-02	6.42E-03	1.24E-01	1.12E-01	3.00E+00	1.72E-01	3.28E-02	3.32E+00
3948	475363.09	3853877.25	1.34677	0.27526	1.6281	0.61145	1.03E-01	2.94E+00	1.80E-01	3.50E-02	3.26E+00	9.97E-02	1.24E-05	1.80E-02	6.84E-03	1.25E-01	1.12E-01	2.94E+00	1.80E-01	3.50E-02	3.26E+00
3949	475863.09	3853877.25	1.06091	0.29747	1.8359	0.6569	8.09E-02	3.17E+00	2.03E-01	3.76E-02	3.50E+00	7.85E-02	1.34E-05	2.03E-02	7.35E-03	1.06E-01	8.81E-02	3.17E+00	2.03E-01	3.76E-02	3.50E+00
3950	476363.09	3853877.25	0.81947	0.31502	1.9854	0.70746	6.25E-02	3.36E+00	2.20E-01	4.05E-02	3.68E+00	6.07E-02	1.42E-05	2.20E-02	7.92E-03	9.06E-02	6.80E-02	3.36E+00	2.20E-01	4.05E-02	3.69E+00
3951	476863.09	3853877.25	0.82991	0.32406	1.5018	0.75278	6.33E-02	3.46E+00	1.66E-01	4.30E-02	3.73E+00	6.14E-02	1.46E-05	1.66E-02	8.43E-03	8.65E-02	6.89E-02	3.46E+00	1.66E-01	4.30E-02	3.74E+00
3952	477363.09	3853877.25	0.83103	0.32836	1.4755	0.78145	6.33E-02	3.50E+00	1.63E-01	4.47E-02	3.78E+00	6.15E-02	1.48E-05	1.63E-02	8.75E-03	8.66E-02	6.90E-02	3.50E+00	1.63E-01	4.47E-02	3.78E+00
3953	477863.09	3853877.25	0.82231	0.36195	1.3845	0.77618	6.27E-02	3.86E+00	1.53E-01	4.44E-02	4.12E+00	6.09E-02	1.63E-05	1.53E-02	8.69E-03	8.49E-02	6.83E-02	3.86E+00	1.53E-01	4.44E-02	4.13E+00
3954	478363.09	3853877.25	0.79006	0.45042	1.4455	0.73298	6.02E-02	4.81E+00	1.60E-01	4.19E-02	5.07E+00	5.85E-02	2.03E-05	1.60E-02	8.21E-03	8.27E-02	6.56E-02	4.81E+00	1.60E-01	4.19E-02	5.07E+00
3955	478863.09	3853877.25	0.70553	0.34642	1.0022	0.66174	5.38E-02	3.70E+00	1.11E-01	3.78E-02	3.90E+00	5.22E-02	1.56E-05	1.11E-02	7.41E-03	7.07E-02	5.86E-02	3.70E+00	1.11E-01	3.78E-02	3.90E+00
3956	479363.09	3853877.25	0.5924	0.35999	1.0882	0.5882	4.52E-02	3.84E+00	1.20E-01	3.36E-02	4.04E+00	4.39E-02	1.62E-05	1.20E-02	6.58E-03	6.25E-02	4.92E-02	3.84E+00	1.20E-01	3.36E-02	4.04E+00
3957	479863.09	3853877.25	1.06578	0.58653	1.3724	0.75019	8.12E-02	6.26E+00	1.52E-01	4.29E-02	6.54E+00	7.89E-02	2.64E-05	1.52E-02	8.40E-03	1.03E-01	8.85E-02	6.26E+00	1.52E-01	4.29E-02	6.54E+00
3958	480363.09	3853877.25	2.44714	0.73568	1.1888	1.06446	1.87E-01	7.85E+00	1.31E-01	6.09E-02	8.23E+00	1.81E-01	3.32E-05	1.31E-02	1.19E-02	2.06E-01	2.03E-01	7.85E+00	1.31E-01	6.09E-02	8.25E+00
3959	480863.09	3853877.25	4.26594	1.23318	1.1305	1.3748	3.25E-01	1.32E+01	1.25E-01	7.86E-02	1.37E+01	3.16E-01	5.56E-05	1.25E-02	1.54E-02	3.44E-01	3.54E-01	1.32E+01	1.25E-01	7.86E-02	1.37E+01
3960	481363.09	3853877.25	4.14368	1.97279	1.2278	1.51296	3.16E-01	2.11E+01	1.36E-01	8.65E-02	2.16E+01	3.07E-01	8.89E-05	1.36E-02	1.69E-02	3.37E-01	3.44E-01	2.11E+01	1.36E-01	8.65E-02	2.16E+01
3961	481863.09	3853877.25	5.13687	3.94662	1.8486	1.3131	3.92E-01	4.21E+01	2.04E-01	7.51E-02	4.28E+01	3.80E-01	1.78E-04	2.04E-02	1.47E-02	4.16E-01	4.26E-01	4.21E+01	2.04E-01	7.51E-02	4.28E+01

3962	482363.09	3853877.25	5.59632	2.69316	2.5273	1.75087	4.27E-01	2.87E+01	2.79E-01	1.00E-01	2.95E+01	4.14E-01	1.21E-04	2.79E-02	1.96E-02	4.62E-01	4.65E-01	2.87E+01	2.79E-01	1.00E-01	2.96E+01
3963	482863.09	3853877.25	7.60643	1.69223	2.9988	1.22625	5.80E-01	1.81E+01	3.32E-01	7.01E-02	1.90E+01	5.63E-01	7.63E-05	3.32E-02	1.37E-02	6.10E-01	6.31E-01	1.81E+01	3.32E-01	7.01E-02	1.91E+01
3964	483363.09	3853877.25	9.4836	1.32991	2.9495	0.93662	7.23E-01	1.42E+01	3.26E-01	5.36E-02	1.53E+01	7.02E-01	6.00E-05	3.26E-02	1.05E-02	7.45E-01	7.87E-01	1.42E+01	3.26E-01	5.36E-02	1.54E+01
3965	483863.09	3853877.25	8.92731	1.06998	2.2966	0.99468	6.80E-01	1.14E+01	2.54E-01	5.69E-02	1.24E+01	6.61E-01	4.82E-05	2.54E-02	1.11E-02	6.97E-01	7.41E-01	1.14E+01	2.54E-01	5.69E-02	1.25E+01
3966	484363.09	3853877.25	6.51823	0.59842	4.3613	1.49292	4.97E-01	6.39E+00	4.82E-01	8.54E-02	7.45E+00	4.83E-01	2.70E-05	4.82E-02	1.67E-02	5.48E-01	5.41E-01	6.39E+00	4.82E-01	8.54E-02	7.49E+00
3967	484863.09	3853877.25	2.09366	0.39519	7.9955	1.83389	1.60E-01	4.22E+00	8.84E-01	1.05E-01	5.37E+00	1.55E-01	1.78E-05	8.84E-02	2.05E-02	2.64E-01	1.74E-01	4.22E+00	8.84E-01	1.05E-01	5.38E+00
3968	485363.09	3853877.25	0.96554	0.31827	5.4741	1.0857	7.36E-02	3.40E+00	6.05E-01	6.21E-02	4.14E+00	7.15E-02	1.43E-05	6.05E-02	1.22E-02	1.44E-01	8.02E-02	3.40E+00	6.05E-01	6.21E-02	4.14E+00
3969	485863.09	3853877.25	1.30165	0.35908	11.953	1.21802	9.92E-02	3.83E+00	1.32E+00	6.97E-02	5.32E+00	9.64E-02	1.62E-05	1.32E-01	1.36E-02	2.42E-01	1.08E-01	3.83E+00	1.32E+00	6.97E-02	5.33E+00
3970	486363.09	3853877.25	1.0711	0.33664	3.7658	1.31938	8.16E-02	3.59E+00	4.16E-01	7.54E-02	4.17E+00	7.93E-02	1.52E-05	4.16E-02	1.48E-02	1.36E-01	8.89E-02	3.59E+00	4.16E-01	7.54E-02	4.17E+00
3971	486863.09	3853877.25	0.77371	0.26675	5.1236	0.64159	5.90E-02	2.85E+00	5.66E-01	3.67E-02	3.51E+00	5.73E-02	1.20E-05	5.66E-02	7.18E-03	1.21E-01	6.42E-02	2.85E+00	5.66E-01	3.67E-02	3.51E+00
3972	487363.09	3853877.25	0.59782	0.38099	8.9515	0.60741	4.56E-02	4.07E+00	9.90E-01	3.47E-02	5.14E+00	4.43E-02	1.72E-05	9.90E-02	6.80E-03	1.50E-01	4.96E-02	4.07E+00	9.90E-01	3.47E-02	5.14E+00
3973	487863.09	3853877.25	0.88928	0.30584	2.5839	0.86974	6.78E-02	3.26E+00	2.86E-01	4.97E-02	3.67E+00	6.58E-02	1.38E-05	2.86E-02	9.74E-03	1.04E-01	7.38E-02	3.26E+00	2.86E-01	4.97E-02	3.67E+00
3974	488363.09	3853877.25	1.0948	0.31176	3.2641	0.99525	8.34E-02	3.33E+00	3.61E-01	5.69E-02	3.83E+00	8.11E-02	1.41E-05	3.61E-02	1.11E-02	1.28E-01	9.09E-02	3.33E+00	3.61E-01	5.69E-02	3.84E+00
3975	488863.09	3853877.25	1.23332	0.29948	3.1224	0.9483	9.40E-02	3.20E+00	3.45E-01	5.42E-02	3.69E+00	9.13E-02	1.35E-05	3.45E-02	1.06E-02	1.36E-01	1.02E-01	3.20E+00	3.45E-01	5.42E-02	3.70E+00
3976	489363.09	3853877.25	1.1165	0.24014	4.9312	0.8152	8.51E-02	2.56E+00	5.45E-01	4.66E-02	3.24E+00	8.27E-02	1.08E-05	5.45E-02	9.13E-03	1.46E-01	9.27E-02	2.56E+00	5.45E-01	4.66E-02	3.25E+00
3977	489863.09	3853877.25	1.10982	0.23042	11.329	0.68417	8.46E-02	2.46E+00	1.25E+00	3.91E-02	3.84E+00	8.22E-02	1.04E-05	1.25E-01	7.66E-03	2.15E-01	9.21E-02	2.46E+00	1.25E+00	3.91E-02	3.84E+00
3978	490363.09	3853877.25	1.04479	0.22752	9.9152	0.54196	7.96E-02	2.43E+00	1.10E+00	3.10E-02	3.63E+00	7.73E-02	1.03E-05	1.10E-01	6.07E-03	1.93E-01	8.67E-02	2.43E+00	1.10E+00	3.10E-02	3.64E+00
3979	490863.09	3853877.25	1.08283	0.2344	3.3315	0.52332	8.25E-02	2.50E+00	3.68E-01	2.99E-02	2.98E+00	8.02E-02	1.06E-05	3.68E-02	5.86E-03	1.23E-01	8.99E-02	2.50E+00	3.68E-01	2.99E-02	2.99E+00
3980	491363.09	3853877.25	1.14705	0.25613	3.5543	0.70034	8.74E-02	2.73E+00	3.93E-01	4.00E-02	3.25E+00	8.49E-02	1.15E-05	3.93E-02	7.84E-03	1.32E-01	9.52E-02	2.73E+00	3.93E-01	4.00E-02	3.26E+00
3981	491863.09	3853877.25	1.17388	0.26944	6.5686	0.5307	8.95E-02	2.88E+00	7.26E-01	3.03E-02	3.72E+00	8.69E-02	1.21E-05	7.26E-02	5.94E-03	1.65E-01	9.75E-02	2.88E+00	7.26E-01	3.03E-02	3.73E+00
3982	492363.09	3853877.25	1.27789	0.28014	11.165	0.65603	9.74E-02	2.99E+00	1.23E+00	3.75E-02	4.36E+00	9.46E-02	1.26E-05	1.23E-01	7.34E-03	2.25E-01	1.06E-01	2.99E+00	1.23E+00	3.75E-02	4.37E+00
3983	492863.09	3853877.25	1.30846	0.29666	7.1933	0.67611	9.97E-02	3.17E+00	7.95E-01	3.87E-02	4.10E+00	9.69E-02	1.34E-05	7.95E-02	7.57E-03	1.84E-01	1.09E-01	3.17E+00	7.95E-01	3.87E-02	4.11E+00
3984	493363.09	3853877.25	1.24639	0.2505	7.5574	0.58675	9.50E-02	2.67E+00	8.36E-01	3.36E-02	3.64E+00	9.23E-02	1.13E-05	8.36E-02	6.57E-03	1.82E-01	1.03E-01	2.67E+00	8.36E-01	3.36E-02	3.65E+00
3985	493863.09	3853877.25	1.15182	0.26394	2.7436	0.45508	8.78E-02	2.82E+00	3.03E-01	2.60E-02	3.23E+00	8.53E-02	1.19E-05	3.03E-02	5.09E-03	1.21E-01	9.56E-02	2.82E+00	3.03E-01	2.60E-02	3.24E+00
3986	494363.09	3853877.25	1.08588	0.23686	5.3304	0.45232	8.28E-02	2.53E+00	5.89E-01	2.59E-02	3.23E+00	8.04E-02	1.07E-05	5.89E-02	5.06E-03	1.44E-01	9.02E-02	2.53E+00	5.89E-01	2.59E-02	3.23E+00
3987	494863.09	3853877.25	0.96627	0.19953	4.3016	0.44525	7.36E-02	2.13E+00	4.76E-01	2.55E-02	2.70E+00	7.15E-02	8.99E-06	4.76E-02	4.98E-03	1.24E-01	8.02E-02	2.13E+00	4.76E-01	2.55E-02	2.71E+00
3988	495363.09	3853877.25	0.69834	0.16192	4.0834	0.4367	5.32E-02	1.73E+00	4.51E-01	2.50E-02	2.26E+00	5.17E-02	7.30E-06	4.51E-02	4.89E-03	1.02E-01	5.80E-02	1.73E+00	4.51E-01	2.50E-02	2.26E+00
3989	495863.09	3853877.25	0.56456	0.14568	3.9636	0.37246	4.30E-02	1.55E+00	4.38E-01	2.13E-02	2.06E+00	4.18E-02	6.57E-06	4.38E-02	4.17E-03	8.98E-02	4.69E-02	1.55E+00	4.38E-01	2.13E-02	2.06E+00
3990	496363.09	3853877.25	0.49557	0.15943	3.0324	0.37969	3.78E-02	1.70E+00	3.35E-01	2.17E-02	2.10E+00	3.67E-02	7.19E-06	3.35E-02	4.25E-03	7.45E-02	4.11E-02	1.70E+00	3.35E-01	2.17E-02	2.10E+00
3991	496863.09	3853877.25	0.40692	0.17759	2.4176	0.38292	3.10E-02	1.90E+00	2.67E-01	2.19E-02	2.22E+00	3.01E-02	8.01E-06	2.67E-02	4.29E-03	6.11E-02	3.38E-02	1.90E+00	2.67E-01	2.19E-02	2.22E+00
3992	497363.09	3853877.25	0.33819	0.18686	1.9072	0.37971	2.58E-02	1.99E+00	2.11E-01	2.17E-02	2.25E+00	2.50E-02	8.42E-06	2.11E-02	4.25E-03	5.04E-02	2.81E-02	1.99E+00	2.11E-01	2.17E-02	2.25E+00
3993	497863.09	3853877.25	0.27377	0.18181	1.4364	0.37135	2.09E-02	1.94E+00	1.59E-01	2.12E-02	2.14E+00	2.03E-02	8.20E-06	1.59E-02	4.16E-03	4.03E-02	2.27E-02	1.94E+00	1.59E-01	2.12E-02	2.14E+00
3994	498363.09	3853877.25	0.24086	0.17764	1.4889	0.26766	1.84E-02	1.90E+00	1.65E-01	1.53E-02	2.09E+00	1.78E-02	8.01E-06	1.65E-02	3.00E-03	3.73E-02	2.00E-02	1.90E+00	1.65E-01	1.53E-02	2.10E+00
3995	471363.09	3854377.25	0.615	0.30945	1.6493	0.45883	4.69E-02	3.30E+00	1.82E-01	2.62E-02	3.56E+00	4.55E-02	1.39E-05	1.82E-02	5.14E-03	6.89E-02	5.11E-02	3.30E+00	1.82E-01	2.62E-02	3.56E+00
3996	471863.09	3854377.25	0.66139	0.3101	2.3193	0.47345	5.04E-02	3.31E+00	2.56E-01	2.71E-02	3.64E+00	4.90E-02	1.40E-05	2.56E-02	5.30E-03	7.99E-02	5.49E-02	3.31E+00	2.56E-01	2.71E-02	3.65E+00
3997	472363.09	3854377.25	0.68576	0.30792	2.9459	0.48735	5.23E-02	3.29E+00	3.26E-01	2.79E-02	3.69E+00	5.08E-02	1.39E-05	3.26E-02	5.46E-03	8.88E-02	5.69E-02	3.29E+00	3.26E-01	2.79E-02	3.70E+00
3998	472863.09	3854377.25	0.73107	0.31305	3.3727	0.5003	5.57E-02	3.34E+00	3.73E-01	2.86E-02	3.80E+00	5.41E-02	1.41E-05	3.73E-02	5.60E-03	9.70E-02	6.07E-02	3.34E+00	3.73E-01	2.86E-02	3.80E+00
3999	473363.09	3854377.25	0.83815	0.34551	3.8355	0.5133	6.39E-02	3.69E+00	4.24E-01	2.94E-02	4.20E+00	6.21E-02	1.56E-05	4.24E-02	5.75E-03	1.10E-01	6.96E-02	3.69E+00	4.24E-01	2.94E-02	4.21E+00
4000	473863.09	3854377.25	0.94808	0.36919	4.1968	0.52646	7.23E-02	3.94E+00	4.64E-01	3.01E-02	4.51E+00	7.02E-02	1.66E-05	4.64E-02	5.89E-03	1.22E-01	7.87E-02	3.94E+00	4.64E-01	3.01E-02	4.51E+00
4001	474363.09	3854377.25	1.05526	0.37325	4.1717	0.53852	8.04E-02	3.98E+00	4.61E-01	3.08E-02	4.56E+00	7.81E-02	1.68E-05	4.61E-02	6.03E-03	1.30E-01	8.76E-02	3.98E+00	4.61E-01	3.08E-02	4.56E+00
4002	474863.09	3854377.25	1.15277	0.35537	2.9636	0.54317	8.79E-02	3.79E+00	3.28E-01	3.11E-02	4.24E+00	8.53E-02	1.60E-05	3.28E-02	6.08E-03	1.24E-01	9.57E-02	3.79E+00	3.28E-01	3.11E-02	4.25E+00
4003	475363.09	3854377.25	0.76424	0.32172	2.1388	0.54533	5.83E-02	3.43E+00	2.36E-01	3.12E-02	3.76E+00	5.66E-02	1.45E-05	2.36E-02	6.10E-03	8.63E-02	6.34E-02	3.43E+00	2.36E-01	3.12E-02	3.76E+00
4004	475863.09	3854377.25	0.67355	0.28124	1.9135	0.55679	5.13E-02	3.00E+00	2.12E-01	3.18E-02	3.30E+00	4.99E-02	1.27E-05	2.12E-02	6.23E-03	7.73E-02	5.59E-02	3.00E+00	2.12E-01	3.18E-02	3.30E+00
4005	476363.09	3854377.25	0.70491	0.27241	1.783	0.58528	5.37E-02	2.91E+00	1.97E-01	3.35E-02	3.19E+00	5.22E-02	1.23E-05	1.97E-02	6.55E-03	7.85E-02	5.85E-02	2.91E+00	1.97E-01	3.35E-02	3.20E+00
4006	476863.09	3854377.25	0.7281	0.304	1.6077	0.62402	5.55E-02	3.24E+00	1.78E-01	3.57E-02	3.51E+00	5.39E-02	1.37E-05	1.78E-02	6.99E-03	7.87E-02	6.04E-02	3.24E+00	1.78E-01	3.57E-02	3.52E+00
4007	477363.09	3854377.25	0.75841	0.3318	1.4693	0.67529	5.78E-02	3.54E+00	1.62E-01	3.86E-02	3.80E+00	5.61E-02	1.50E-05	1.62E-02	7.56E-03	8.00E-02	6.30E-02	3.54E+00	1.62E-01	3.86E-02	3.80E+00
4008	477863.09	3854377.25	0.80713	0.34929	1.587	0.73462	6.15E-02	3.73E+00	1.75E-01	4.20E-02	4.01E+00	5.98E-02	1.57E-05	1.75E-02	8.22E-03	8.55E-02	6.70E-02	3.73E+00	1.75E-01	4.20E-02	4.01E+00
4009	478363.09	3854377.25	0.82703	0.35751	1.6279	0.7882	6.30E-02	3.82E+00	1.80E-01	4.51E-02	4.10E+00	6.12E-02	1.61E-05	1.80E-02	8.82E-03	8.81E-02	6.87E-02	3.82E+00	1.80E-01	4.51E-02	4.11E+00
4010	478863.09	3854377.25	0.83335	0.35881	1.5736	0.80836	6.35E-02	3.83E+00	1.74E-01	4.62E-02	4.11E+00	6.17E-02	1.62E-05	1.74E-02	9.05E-03	8.82E-02	6.92E-02	3.83E+00	1.74E-01	4.62E-02	4.12E+00
4011	479363.09	3854377.25	0.835	0.58636	1.8971	0.78097	6.36E-02	6.26E+00	2.10E-01	4.47E-02	6.58E+00	6.18E-02	2.64E-05	2.10E-02	8.74E-03	9.16E-02	6.93E-02	6.26E+00	2.10E-01	4.47E-02	6.58E+00
4012	479863.09	3854377.25	1.22207	0.69035	3.3022	0.70361	9.31E-02	7.37E+00	3.65E-01	4.02E-02	7.87E+00	9.05E-02	3.11E-05	3.65E-02	7.88E-03	1.35E-01	1.01E-01	7.37E+00	3.65E-01	4.02E-02	7.87E+00
4013	480363.09	3854377.25	1.32053	0.77169	3.6544	0.6823	1.01E-01	8.24E+00	4.04E-01	3.90E-02	8.78E+00	9.78E-02	3.48E-05	4.04E-02	7.64E-03	1.46E-01	1.10E-01	8.24E+00	4.04E-01	3.90E-02	8.79E+00
4014	480863.09	3854377.25	2.31591	0.97416	2.2903	1.02238	1.77E-01	1.04E+01	2.53E-01	5.85E-02	1.09E+01	1.71E-01	4.39E-05	2.53E-02	1.14E-02	2.08E-01	1.92E-01	1.04E+01	2.53E-01	5.85E-02	1.09E+01
4015	481363.09	3854377.25	4.15758	1.54443	1.3004	1.42021	3.17E-01	1.65E+01	1.44E-01	8.12E-02	1.70E+01	3.08E-01	6.96E-05	1.44E-02	1.59E-02	3.38E-01	3.45E-01	1.65E+01	1.44E-01	8.12E-02	1.71E+01
4016	481863.09	3854377.25	5.15996	3.80919	1.2239	1.65521	3.93E-01	4.07E+01	1.35E-01	9.47E-02	4.13E+01	3.82E-01	1.72E-04	1.35E-02	1.85E-02	4.14E-01	4.28E-01	4.07E+01	1.35E-01	9.47E-02	4.13E+01
4017	482363.09	3854377.25	6.18513	4.5508	1.7134	1.73147	4.71E-01	4.86E+01	1.89E-01	9.90E-02	4.93E+01	4.58E-01	2.05E-04	1.89E-02	1.94E-02	4.96E-01	5.13E-01	4.86E+01	1.89E-01	9.90E-02	4.94E+01
4018	482863.09	3854377.25	8.1751	2.84306	2.5057	1.71254	6.23E-01	3.03E+01	2.77E-01	9.79E-02	3.13E+01	6.05E-01	1.28E-04	2.77E-02	1.92E-02	6.52E-01	6.79E-01	3.03E+01	2.77E-01	9.79E-02	3.14E+01
4019	483363.09	3854377.25	11.2214	1.53418	3.1895	1.83999	8.55E-01	1.64E+01	3.53E-01	1.05E-01	1.77E+01	8.31E-01	6.92E-05	3.53E-02	2.06E-02	8.87E-01	9.32E-01	1.64E+01	3.53E-01	1.05E-01	1.78E+01
4020	483863.09	3854377.25	12.6852	1.04513	3.301	1.28555	9.67E-01	1.12E+01	3.65E-01	7.35E-02	1.26E+01	9.39E-01	4.71E-05	3.65E-02	1.44E-02	9.90E-01	1.05E+00	1.12E+01	3.65E-01	7.35E-02	1.26E+01
4021	484363.09	3854377.25	6.70858	0.58632	2.6009	1.50514	5.11E-01	6.26E+00	2.88E-01	8.61E-02	7.14E+00	4.97E-01	2.64E-05	2.88E-02	1.68E-02	5.42E-01	5.57E-01	6.26E+00	2.88E-01	8.61E-02	7.19E+00
4022	484863.09	3854377.25	2.28558	0.33662	10.358	1.99608	1.74E-01	3.59E+00	1.15E+00	1.14E-01	5.03E+00	1.69E-01	1.52E-05	1.15E-01	2.23E-02	3.06E-01	1.90E-01	3.59E+00	1.15E+00	1.14E-01	5.04E+00

4023	485363.09	3854377.25	2.03374	0.43691	6.2193	1.33361	1.55E-01	4.66E+00	6.88E-01	7.63E-02	5.58E+00	1.51E-01	1.97E-05	6.88E-02	1.49E-02	2.34E-01	1.69E-01	4.66E+00	6.88E-01	7.63E-02	5.60E+00
4024	485863.09	3854377.25	1.34387	0.34743	14.508	2.22233	1.02E-01	3.71E+00	1.60E+00	1.27E-01	5.54E+00	9.95E-02	1.57E-05	1.60E-01	2.49E-02	2.85E-01	1.12E-01	3.71E+00	1.60E+00	1.27E-01	5.55E+00
4025	486363.09	3854377.25	1.28973	0.40182	5.3984	1.19088	9.83E-02	4.29E+00	5.97E-01	6.81E-02	5.05E+00	9.55E-02	1.81E-05	5.97E-02	1.33E-02	1.69E-01	1.07E-01	4.29E+00	5.97E-01	6.81E-02	5.06E+00
4026	486863.09	3854377.25	1.23629	0.29266	7.4216	1.5946	9.42E-02	3.12E+00	8.21E-01	9.12E-02	4.13E+00	9.15E-02	1.32E-05	8.21E-02	1.79E-02	1.91E-01	1.03E-01	3.12E+00	8.21E-01	9.12E-02	4.14E+00
4027	487363.09	3854377.25	1.3908	0.37337	15.534	1.63231	1.06E-01	3.98E+00	1.72E+00	9.33E-02	5.90E+00	1.03E-01	1.68E-05	1.72E-01	1.83E-02	2.93E-01	1.15E-01	3.98E+00	1.72E+00	9.33E-02	5.91E+00
4028	487863.09	3854377.25	1.49887	0.33266	2.7487	1.57425	1.14E-01	3.55E+00	3.04E-01	9.00E-02	4.06E+00	1.11E-01	1.50E-05	3.04E-02	1.76E-02	1.59E-01	1.24E-01	3.55E+00	3.04E-01	9.00E-02	4.07E+00
4029	488363.09	3854377.25	1.62841	0.36822	3.1847	1.42828	1.24E-01	3.93E+00	3.52E-01	8.17E-02	4.49E+00	1.21E-01	1.66E-05	3.52E-02	1.60E-02	1.72E-01	1.35E-01	3.93E+00	3.52E-01	8.17E-02	4.50E+00
4030	488863.09	3854377.25	1.80897	0.31482	3.9973	1.16503	1.38E-01	3.36E+00	4.42E-01	6.66E-02	4.01E+00	1.34E-01	1.42E-05	4.42E-02	1.30E-02	1.91E-01	1.50E-01	3.36E+00	4.42E-01	6.66E-02	4.02E+00
4031	489363.09	3854377.25	1.8355	0.30196	9.4564	0.98648	1.40E-01	3.22E+00	1.05E+00	5.64E-02	4.46E+00	1.36E-01	1.36E-05	1.05E-01	1.10E-02	2.51E-01	1.52E-01	3.22E+00	1.05E+00	5.64E-02	4.48E+00
4032	489863.09	3854377.25	1.77308	0.30966	22.2	0.80667	1.35E-01	3.30E+00	2.45E+00	4.61E-02	5.94E+00	1.31E-01	1.40E-05	2.45E-01	9.03E-03	3.86E-01	1.47E-01	3.30E+00	2.45E+00	4.61E-02	5.95E+00
4033	490363.09	3854377.25	1.66097	0.31053	5.549	0.92357	1.27E-01	3.31E+00	6.14E-01	5.28E-02	4.11E+00	1.23E-01	1.40E-05	6.14E-02	1.03E-02	1.95E-01	1.38E-01	3.31E+00	6.14E-01	5.28E-02	4.12E+00
4034	490863.09	3854377.25	1.10993	0.25426	3.5673	0.97826	8.46E-02	2.71E+00	3.94E-01	5.59E-02	3.25E+00	8.22E-02	1.15E-05	3.94E-02	1.10E-02	1.33E-01	9.21E-02	2.71E+00	3.94E-01	5.59E-02	3.26E+00
4035	491363.09	3854377.25	1.38106	0.28133	9.6188	0.72647	1.05E-01	3.00E+00	1.06E+00	4.15E-02	4.21E+00	1.02E-01	1.27E-05	1.06E-01	8.13E-03	2.17E-01	1.15E-01	3.00E+00	1.06E+00	4.15E-02	4.22E+00
4036	491863.09	3854377.25	1.56805	0.28532	15.805	0.78732	1.20E-01	3.04E+00	1.75E+00	4.50E-02	4.96E+00	1.16E-01	1.29E-05	1.75E-01	8.81E-03	3.00E-01	1.30E-01	3.04E+00	1.75E+00	4.50E-02	4.97E+00
4037	492363.09	3854377.25	1.64732	0.31439	10.255	0.88026	1.26E-01	3.36E+00	1.13E+00	5.03E-02	4.66E+00	1.22E-01	1.42E-05	1.13E-01	9.85E-03	2.45E-01	1.37E-01	3.36E+00	1.13E+00	5.03E-02	4.68E+00
4038	492863.09	3854377.25	1.60496	0.32022	8.1207	0.82018	1.22E-01	3.42E+00	8.98E-01	4.69E-02	4.48E+00	1.19E-01	1.44E-05	8.98E-02	9.18E-03	2.18E-01	1.33E-01	3.42E+00	8.98E-01	4.69E-02	4.50E+00
4039	493363.09	3854377.25	1.43202	0.30247	7.6497	0.66387	1.09E-01	3.23E+00	8.46E-01	3.80E-02	4.22E+00	1.06E-01	1.36E-05	8.46E-02	7.43E-03	1.98E-01	1.19E-01	3.23E+00	8.46E-01	3.80E-02	4.23E+00
4040	493863.09	3854377.25	1.30762	0.27326	10.532	0.6047	9.97E-02	2.92E+00	1.16E+00	3.46E-02	4.21E+00	9.68E-02	1.23E-05	1.16E-01	6.77E-03	2.20E-01	1.09E-01	2.92E+00	1.16E+00	3.46E-02	4.22E+00
4041	494363.09	3854377.25	1.19286	0.24275	8.5093	0.44007	9.09E-02	2.59E+00	9.41E-01	2.52E-02	3.65E+00	8.83E-02	1.09E-05	9.41E-02	4.93E-03	1.87E-01	9.90E-02	2.59E+00	9.41E-01	2.52E-02	3.66E+00
4042	494863.09	3854377.25	0.7682	0.19366	5.9364	0.39848	5.86E-02	2.07E+00	6.56E-01	2.28E-02	2.80E+00	5.69E-02	8.73E-06	6.56E-02	4.46E-03	1.27E-01	6.38E-02	2.07E+00	6.56E-01	2.28E-02	2.81E+00
4043	495363.09	3854377.25	0.58828	0.16641	3.6204	0.39381	4.48E-02	1.78E+00	4.00E-01	2.25E-02	2.24E+00	4.36E-02	7.50E-06	4.00E-02	4.41E-03	8.80E-02	4.88E-02	1.78E+00	4.00E-01	2.25E-02	2.25E+00
4044	495863.09	3854377.25	0.48347	0.18158	2.6187	0.41066	3.69E-02	1.94E+00	2.90E-01	2.35E-02	2.29E+00	3.58E-02	8.19E-06	2.90E-02	4.60E-03	6.94E-02	4.01E-02	1.94E+00	2.90E-01	2.35E-02	2.29E+00
4045	496363.09	3854377.25	0.43562	0.19057	1.9835	0.3958	3.32E-02	2.03E+00	2.19E-01	2.26E-02	2.31E+00	3.23E-02	8.59E-06	2.19E-02	4.43E-03	5.86E-02	3.62E-02	2.03E+00	2.19E-01	2.26E-02	2.31E+00
4046	496863.09	3854377.25	0.36789	0.18332	1.5776	0.35965	2.80E-02	1.96E+00	1.74E-01	2.06E-02	2.18E+00	2.72E-02	8.26E-06	1.74E-02	4.03E-03	4.87E-02	3.05E-02	1.96E+00	1.74E-01	2.06E-02	2.18E+00
4047	497363.09	3854377.25	0.31409	0.17665	1.696	0.29848	2.39E-02	1.89E+00	1.88E-01	1.71E-02	2.11E+00	2.33E-02	7.96E-06	1.88E-02	3.34E-03	4.54E-02	2.61E-02	1.89E+00	1.88E-01	1.71E-02	2.12E+00
4048	497863.09	3854377.25	0.33627	0.18636	1.7188	0.31019	2.56E-02	1.99E+00	1.90E-01	1.77E-02	2.22E+00	2.49E-02	8.40E-06	1.90E-02	3.47E-03	4.74E-02	2.79E-02	1.99E+00	1.90E-01	1.77E-02	2.22E+00
4049	498363.09	3854377.25	0.34793	0.19953	1.673	0.28363	2.65E-02	2.13E+00	1.85E-01	1.62E-02	2.36E+00	2.58E-02	8.99E-06	1.85E-02	3.18E-03	4.74E-02	2.89E-02	2.13E+00	1.85E-01	1.62E-02	2.36E+00
4050	471363.09	3854877.25	0.85251	0.37414	1.472	0.42551	6.50E-02	3.99E+00	1.63E-01	2.43E-02	4.24E+00	6.31E-02	1.69E-05	1.63E-02	4.76E-03	8.42E-02	7.08E-02	3.99E+00	1.63E-01	2.43E-02	4.25E+00
4051	471863.09	3854877.25	0.91263	0.35285	1.471	0.45381	6.96E-02	3.77E+00	1.63E-01	2.60E-02	4.02E+00	6.76E-02	1.59E-05	1.63E-02	5.08E-03	8.89E-02	7.58E-02	3.77E+00	1.63E-01	2.60E-02	4.03E+00
4052	472363.09	3854877.25	0.94705	0.32318	1.5067	0.52694	7.22E-02	3.45E+00	1.67E-01	3.01E-02	3.72E+00	7.01E-02	1.46E-05	1.67E-02	5.90E-03	9.27E-02	7.86E-02	3.45E+00	1.67E-01	3.01E-02	3.72E+00
4053	472863.09	3854877.25	0.9203	0.31243	1.6453	0.52041	7.01E-02	3.33E+00	1.82E-01	2.98E-02	3.62E+00	6.81E-02	1.41E-05	1.82E-02	5.83E-03	9.22E-02	7.64E-02	3.33E+00	1.82E-01	2.98E-02	3.62E+00
4054	473363.09	3854877.25	0.98649	0.32022	2.2501	0.65462	7.52E-02	3.42E+00	2.49E-01	3.74E-02	3.78E+00	7.30E-02	1.44E-05	2.49E-02	7.33E-03	1.05E-01	8.19E-02	3.42E+00	2.49E-01	3.74E-02	3.79E+00
4055	473863.09	3854877.25	1.03143	0.32641	3.1255	0.76314	7.86E-02	3.48E+00	3.46E-01	4.36E-02	3.95E+00	7.64E-02	1.47E-05	3.46E-02	8.54E-03	1.19E-01	8.56E-02	3.48E+00	3.46E-01	4.36E-02	3.96E+00
4056	474363.09	3854877.25	1.10582	0.32947	4.2408	0.91515	8.43E-02	3.52E+00	4.69E-01	5.23E-02	4.12E+00	8.19E-02	1.49E-05	4.69E-02	1.02E-02	1.39E-01	9.18E-02	3.52E+00	4.69E-01	5.23E-02	4.13E+00
4057	474863.09	3854877.25	0.74708	0.3281	4.6366	0.66529	5.69E-02	3.50E+00	5.13E-01	3.80E-02	4.11E+00	5.53E-02	1.48E-05	5.13E-02	7.45E-03	1.14E-01	6.20E-02	3.50E+00	5.13E-01	3.80E-02	4.11E+00
4058	475363.09	3854877.25	0.42743	0.35459	2.2561	0.54157	3.26E-02	3.78E+00	2.49E-01	3.10E-02	4.10E+00	3.16E-02	1.60E-05	2.49E-02	6.06E-03	6.27E-02	3.55E-02	3.78E+00	2.49E-01	3.10E-02	4.10E+00
4059	475863.09	3854877.25	0.42994	0.38414	2.341	0.56328	3.28E-02	4.10E+00	2.59E-01	3.22E-02	4.42E+00	3.18E-02	1.73E-05	2.59E-02	6.31E-03	6.40E-02	3.57E-02	4.10E+00	2.59E-01	3.22E-02	4.43E+00
4060	476363.09	3854877.25	0.49433	0.38665	2.4311	0.6028	3.77E-02	4.13E+00	2.69E-01	3.45E-02	4.47E+00	3.66E-02	1.74E-05	2.69E-02	6.75E-03	7.02E-02	4.10E-02	4.13E+00	2.69E-01	3.45E-02	4.47E+00
4061	476863.09	3854877.25	0.55766	0.36291	2.4131	0.62325	4.25E-02	3.87E+00	2.67E-01	3.56E-02	4.22E+00	4.13E-02	1.64E-05	2.67E-02	6.98E-03	7.50E-02	4.63E-02	3.87E+00	2.67E-01	3.56E-02	4.22E+00
4062	477363.09	3854877.25	0.61687	0.32384	2.2938	0.62993	4.70E-02	3.46E+00	2.54E-01	3.60E-02	3.79E+00	4.57E-02	1.46E-05	2.54E-02	7.05E-03	7.81E-02	5.12E-02	3.46E+00	2.54E-01	3.60E-02	3.80E+00
4063	477863.09	3854877.25	0.66871	0.30666	2.1184	0.64032	5.10E-02	3.27E+00	2.34E-01	3.66E-02	3.59E+00	4.95E-02	1.38E-05	2.34E-02	7.17E-03	8.01E-02	5.55E-02	3.27E+00	2.34E-01	3.66E-02	3.60E+00
4064	478363.09	3854877.25	0.71128	0.3461	1.8594	0.63551	5.42E-02	3.69E+00	2.06E-01	3.63E-02	3.99E+00	5.27E-02	1.56E-05	2.06E-02	7.11E-03	8.03E-02	5.91E-02	3.69E+00	2.06E-01	3.63E-02	3.99E+00
4065	478863.09	3854877.25	0.74433	0.37724	2.2457	0.69426	5.67E-02	4.03E+00	2.48E-01	3.97E-02	4.37E+00	5.51E-02	1.70E-05	2.48E-02	7.77E-03	8.77E-02	6.18E-02	4.03E+00	2.48E-01	3.97E-02	4.38E+00
4066	479363.09	3854877.25	1.47517	0.50437	3.1069	0.76564	1.12E-01	5.38E+00	3.44E-01	4.38E-02	5.88E+00	1.09E-01	2.27E-05	3.44E-02	8.57E-03	1.52E-01	1.22E-01	5.38E+00	3.44E-01	4.38E-02	5.89E+00
4067	479863.09	3854877.25	1.51117	0.75998	5.447	0.87976	1.15E-01	8.11E+00	6.02E-01	5.03E-02	8.88E+00	1.12E-01	3.43E-05	6.02E-02	9.85E-03	1.82E-01	1.25E-01	8.11E+00	6.02E-01	5.03E-02	8.89E+00
4068	480363.09	3854877.25	1.8442	1.10044	5.1759	1.53068	1.41E-01	1.17E+01	5.72E-01	8.75E-02	1.25E+01	1.37E-01	4.96E-05	5.72E-02	1.71E-02	2.11E-01	1.53E-01	1.17E+01	5.72E-01	8.75E-02	1.26E+01
4069	480863.09	3854877.25	2.78639	1.38111	4.7915	1.45649	2.12E-01	1.47E+01	5.30E-01	8.33E-02	1.56E+01	2.06E-01	6.23E-05	5.30E-02	1.63E-02	2.76E-01	2.31E-01	1.47E+01	5.30E-01	8.33E-02	1.56E+01
4070	481363.09	3854877.25	3.21307	1.40993	4.4535	1.01235	2.45E-01	1.50E+01	4.92E-01	5.79E-02	1.58E+01	2.38E-01	6.36E-05	4.92E-02	1.13E-02	2.99E-01	2.67E-01	1.50E+01	4.92E-01	5.79E-02	1.59E+01
4071	481863.09	3854877.25	3.04262	1.42953	2.664	1.44424	2.32E-01	1.53E+01	2.95E-01	8.26E-02	1.59E+01	2.25E-01	6.44E-05	2.95E-02	1.62E-02	2.71E-01	2.53E-01	1.53E+01	2.95E-01	8.26E-02	1.59E+01
4072	482363.09	3854877.25	4.71623	4.89319	1.4288	1.78869	3.59E-01	5.22E+01	1.58E-01	1.02E-01	5.28E+01	3.49E-01	2.21E-04	1.58E-02	2.00E-02	3.85E-01	3.92E-01	5.22E+01	1.58E-01	1.02E-01	5.29E+01
4073	482863.09	3854877.25	6.72693	5.15925	1.5092	1.72546	5.13E-01	5.51E+01	1.67E-01	9.87E-02	5.58E+01	4.98E-01	2.33E-04	1.67E-02	1.93E-02	5.34E-01	5.58E-01	5.51E+01	1.67E-01	9.87E-02	5.59E+01
4074	483363.09	3854877.25	11.062	3.3314	2.4152	1.79966	8.43E-01	3.56E+01	2.67E-01	1.03E-01	3.68E+01	8.19E-01	1.50E-04	2.67E-02	2.01E-02	8.66E-01	9.18E-01	3.56E+01	2.67E-01	1.03E-01	3.68E+01
4075	483863.09	3854877.25	17.2253	1.42241	3.3508	1.5184	1.31E+00	1.52E+01	3.70E-01	8.68E-02	1.69E+01	1.28E+00	6.41E-05	3.70E-02	1.70E-02	1.33E+00	1.43E+00	1.52E+01	3.70E-01	8.68E-02	1.71E+01
4076	484363.09	3854877.25	15.773	1.01409	3.72	2.01798	1.20E+00	1.08E+01	4.11E-01	1.15E-01	1.26E+01	1.17E+00	4.57E-05	4.11E-02	2.26E-02	1.23E+00	1.31E+00	1.08E+01	4.11E-01	1.15E-01	1.27E+01
4077	484863.09	3854877.25	9.40843	0.64965	3.0097	1.60037	7.17E-01	6.93E+00	3.33E-01	9.15E-02	8.07E+00	6.97E-01	2.93E-05	3.33E-02	1.79E-02	7.48E-01	7.81E-01	6.93E+00	3.33E-01	9.15E-02	8.14E+00
4078	485363.09	3854877.25	4.16873	0.44136	10.446	2.94949	3.18E-01	4.71E+00	1.15E+00	1.69E-01	6.35E+00	3.09E-01	1.99E-05	1.15E-01	3.30E-02	4.57E-01	3.46E-01	4.71E+00	1.15E+00	1.69E-01	6.38E+00
4079	485863.09	3854877.25	3.11232	0.41611	4.2914	2.86732	2.37E-01	4.44E+00	4.74E-01	1.64E-01	5.32E+00	2.30E-01	1.88E-05	4.74E-02	3.21E-02	3.10E-01	2.58E-01	4.44E+00	4.74E-01	1.64E-01	5.34E+00
4080	486363.09	3854877.25	2.24277	0.40717	20.507	2.86423	1.71E-01	4.35E+00	2.27E+00	1.64E-01	6.95E+00	1.66E-01	1.84E-05	2.27E-01	3.21E-02	4.25E-01	1.86E-01	4.35E+00	2.27E+00	1.64E-01	6.96E+00
4081	486863.09	3854877.25	2.026	0.35563	4.9899	2.45765	1.54E-01	3.80E+00	5.52E-01	1.41E-01	4.64E+00	1.50E-01	1.60E-05	5.52E-02	2.75E-02	2.33E-01	1.68E-01	3.80E+00	5.52E-01	1.41E-01	4.66E+00
4082	487363.09	3854877.25	2.16046	0.36902	13.699	1.78552	1.65E-01	3.94E+00	1.51E+00	1.02E-01	5.72E+00	1.60E-01	1.66E-05	1.51E-01	2.00E-02	3.31E-01	1.79E-01	3.94E+00	1.51E+00	1.02E-01	5.73E+00
4083	487863.09	3854877.25	2.3795	0.3743	3.7827	1.36445	1.81E-01	3.99E+00	4.18E-01	7.80E-02	4.67E+00	1.76E-01	1.69E-05	4.18E-02	1.53E-02	2.33E-01	1.98E-01	3.99E+00	4.18E-01	7.80E-02	4.69E+00

4084	488363.09	3854877.25	2.79558	0.46339	3.2713	1.25979	2.13E-01	4.95E+00	3.62E-01	7.20E-02	5.59E+00	2.07E-01	2.09E-05	3.62E-02	1.41E-02	2.57E-01	2.32E-01	4.95E+00	3.62E-01	7.20E-02	5.61E+00
4085	488863.09	3854877.25	3.19687	0.40201	5.2444	1.11646	2.44E-01	4.29E+00	5.80E-01	6.38E-02	5.18E+00	2.37E-01	1.81E-05	5.80E-02	1.25E-02	3.07E-01	2.65E-01	4.29E+00	5.80E-01	6.38E-02	5.20E+00
4086	489363.09	3854877.25	3.24499	0.39819	11.923	1.17961	2.47E-01	4.25E+00	1.32E+00	6.75E-02	5.88E+00	2.40E-01	1.79E-05	1.32E-01	1.32E-02	3.85E-01	2.69E-01	4.25E+00	1.32E+00	6.75E-02	5.90E+00
4087	489863.09	3854877.25	2.87705	0.36607	15.325	1.26949	2.19E-01	3.91E+00	1.69E+00	7.26E-02	5.89E+00	2.13E-01	1.65E-05	1.69E-01	1.42E-02	3.97E-01	2.39E-01	3.91E+00	1.69E+00	7.26E-02	5.91E+00
4088	490363.09	3854877.25	1.43941	0.28206	3.3788	0.91524	1.10E-01	3.01E+00	3.74E-01	5.23E-02	3.55E+00	1.07E-01	1.27E-05	3.74E-02	1.02E-02	1.54E-01	1.20E-01	3.01E+00	3.74E-01	5.23E-02	3.56E+00
4089	490863.09	3854877.25	0.87889	0.21038	3.2116	0.56458	6.70E-02	2.25E+00	3.55E-01	3.23E-02	2.70E+00	6.51E-02	9.48E-06	3.55E-02	6.32E-03	1.07E-01	7.30E-02	2.25E+00	3.55E-01	3.23E-02	2.71E+00
4090	491363.09	3854877.25	1.00949	0.25717	7.4304	0.52774	7.69E-02	2.74E+00	8.22E-01	3.02E-02	3.67E+00	7.47E-02	1.16E-05	8.22E-02	5.91E-03	1.63E-01	8.38E-02	2.74E+00	8.22E-01	3.02E-02	3.68E+00
4091	491863.09	3854877.25	2.59401	0.39927	12.157	1.10848	1.98E-01	4.26E+00	1.34E+00	6.34E-02	5.87E+00	1.92E-01	1.80E-05	1.34E-01	1.24E-02	3.39E-01	2.15E-01	4.26E+00	1.34E+00	6.34E-02	5.88E+00
4092	492363.09	3854877.25	2.51707	0.40312	6.0119	1.1426	1.92E-01	4.30E+00	6.65E-01	6.53E-02	5.22E+00	1.86E-01	1.82E-05	6.65E-02	1.28E-02	2.66E-01	2.09E-01	4.30E+00	6.65E-01	6.53E-02	5.24E+00
4093	492863.09	3854877.25	2.12375	0.35146	14.704	1.05259	1.62E-01	3.75E+00	1.63E+00	6.02E-02	5.60E+00	1.57E-01	1.58E-05	1.63E-01	1.18E-02	3.32E-01	1.76E-01	3.75E+00	1.63E+00	6.02E-02	5.61E+00
4094	493363.09	3854877.25	1.6872	0.32039	13.408	1.01464	1.29E-01	3.42E+00	1.48E+00	5.80E-02	5.09E+00	1.25E-01	1.44E-05	1.48E-01	1.14E-02	2.85E-01	1.40E-01	3.42E+00	1.48E+00	5.80E-02	5.10E+00
4095	493863.09	3854877.25	1.60759	0.30078	13.425	0.66803	1.23E-01	3.21E+00	1.48E+00	3.82E-02	4.85E+00	1.19E-01	1.36E-05	1.48E-01	7.48E-03	2.75E-01	1.33E-01	3.21E+00	1.48E+00	3.82E-02	4.87E+00
4096	494363.09	3854877.25	0.97176	0.20725	8.239	0.538	7.41E-02	2.21E+00	9.11E-01	3.08E-02	3.23E+00	7.19E-02	9.34E-06	9.11E-02	6.02E-03	1.69E-01	8.07E-02	2.21E+00	9.11E-01	3.08E-02	3.23E+00
4097	494863.09	3854877.25	0.72119	0.18872	3.9078	0.40077	5.50E-02	2.01E+00	4.32E-01	2.29E-02	2.52E+00	5.34E-02	8.51E-06	4.32E-02	4.49E-03	1.01E-01	5.99E-02	2.01E+00	4.32E-01	2.29E-02	2.53E+00
4098	495363.09	3854877.25	0.66117	0.19031	2.2458	0.40102	5.04E-02	2.03E+00	2.48E-01	2.29E-02	2.35E+00	4.89E-02	8.58E-06	2.48E-02	4.49E-03	7.83E-02	5.49E-02	2.03E+00	2.48E-01	2.29E-02	2.36E+00
4099	495863.09	3854877.25	0.64148	0.18043	1.7955	0.37133	4.89E-02	1.93E+00	1.99E-01	2.12E-02	2.19E+00	4.75E-02	8.13E-06	1.99E-02	4.16E-03	7.15E-02	5.33E-02	1.93E+00	1.99E-01	2.12E-02	2.20E+00
4100	496363.09	3854877.25	0.61735	0.17475	1.9312	0.34216	4.71E-02	1.86E+00	2.14E-01	1.96E-02	2.15E+00	4.57E-02	7.88E-06	2.14E-02	3.83E-03	7.09E-02	5.13E-02	1.86E+00	2.14E-01	1.96E-02	2.15E+00
4101	496863.09	3854877.25	0.61244	0.18668	1.8996	0.33793	4.67E-02	1.99E+00	2.10E-01	1.93E-02	2.27E+00	4.53E-02	8.42E-06	2.10E-02	3.78E-03	7.01E-02	5.08E-02	1.99E+00	2.10E-01	1.93E-02	2.27E+00
4102	497363.09	3854877.25	0.61831	0.20188	1.7513	0.31883	4.71E-02	2.15E+00	1.94E-01	1.82E-02	2.41E+00	4.58E-02	9.10E-06	1.94E-02	3.57E-03	6.87E-02	5.13E-02	2.15E+00	1.94E-01	1.82E-02	2.42E+00
4103	497863.09	3854877.25	0.63852	0.20476	1.5719	0.32988	4.87E-02	2.19E+00	1.74E-01	1.89E-02	2.43E+00	4.73E-02	9.23E-06	1.74E-02	3.69E-03	6.84E-02	5.30E-02	2.19E+00	1.74E-01	1.89E-02	2.43E+00
4104	498363.09	3854877.25	0.64497	0.19151	1.5678	0.32553	4.92E-02	2.04E+00	1.73E-01	1.86E-02	2.28E+00	4.77E-02	8.63E-06	1.73E-02	3.64E-03	6.87E-02	5.35E-02	2.04E+00	1.73E-01	1.86E-02	2.29E+00
4105	471363.09	3855377.25	0.87629	0.35243	3.5881	0.43455	6.68E-02	3.76E+00	3.97E-01	2.48E-02	4.25E+00	6.49E-02	1.59E-05	3.97E-02	4.86E-03	1.09E-01	7.28E-02	3.76E+00	3.97E-01	2.48E-02	4.26E+00
4106	471863.09	3855377.25	0.89084	0.37495	3.4829	0.44644	6.79E-02	4.00E+00	3.85E-01	2.55E-02	4.48E+00	6.60E-02	1.69E-05	3.85E-02	5.00E-03	1.09E-01	7.40E-02	4.00E+00	3.85E-01	2.55E-02	4.49E+00
4107	472363.09	3855377.25	0.99427	0.39002	3.6555	0.45838	7.58E-02	4.16E+00	4.04E-01	2.62E-02	4.67E+00	7.36E-02	1.76E-05	4.04E-02	5.13E-03	1.19E-01	8.25E-02	4.16E+00	4.04E-01	2.62E-02	4.68E+00
4108	472863.09	3855377.25	1.04736	0.3936	3.3286	0.46962	7.98E-02	4.20E+00	3.68E-01	2.69E-02	4.68E+00	7.75E-02	1.77E-05	3.68E-02	5.26E-03	1.20E-01	8.70E-02	4.20E+00	3.68E-01	2.69E-02	4.68E+00
4109	473363.09	3855377.25	1.19428	0.38323	3.3892	0.48044	9.10E-02	4.09E+00	3.75E-01	2.75E-02	4.58E+00	8.84E-02	1.73E-05	3.75E-02	5.38E-03	1.31E-01	9.92E-02	4.09E+00	3.75E-01	2.75E-02	4.59E+00
4110	473863.09	3855377.25	1.31364	0.36568	3.1277	0.59435	1.00E-01	3.90E+00	3.46E-01	3.40E-02	4.38E+00	9.73E-02	1.65E-05	3.46E-02	6.65E-03	1.39E-01	1.09E-01	3.90E+00	3.46E-01	3.40E-02	4.39E+00
4111	474363.09	3855377.25	1.41641	0.37984	4.7691	1.29605	1.08E-01	4.05E+00	5.27E-01	7.41E-02	4.76E+00	1.05E-01	1.71E-05	5.27E-02	1.45E-02	1.72E-01	1.18E-01	4.05E+00	5.27E-01	7.41E-02	4.77E+00
4112	474863.09	3855377.25	1.08214	0.31089	2.3128	0.67225	8.25E-02	3.32E+00	2.56E-01	3.84E-02	3.69E+00	8.01E-02	1.40E-05	2.56E-02	7.53E-03	1.13E-01	8.98E-02	3.32E+00	2.56E-01	3.84E-02	3.70E+00
4113	475363.09	3855377.25	0.3693	0.32471	1.9825	0.51608	2.81E-02	3.47E+00	2.19E-01	2.95E-02	3.74E+00	2.73E-02	1.46E-05	2.19E-02	5.78E-03	5.51E-02	3.07E-02	3.47E+00	2.19E-01	2.95E-02	3.74E+00
4114	475863.09	3855377.25	0.3135	0.33858	2.2066	0.54517	2.39E-02	3.61E+00	2.44E-01	3.12E-02	3.91E+00	2.32E-02	1.53E-05	2.44E-02	6.10E-03	5.37E-02	2.60E-02	3.61E+00	2.44E-01	3.12E-02	3.91E+00
4115	476363.09	3855377.25	0.32019	0.35003	2.366	0.55811	2.44E-02	3.74E+00	2.62E-01	3.19E-02	4.05E+00	2.37E-02	1.58E-05	2.62E-02	6.25E-03	5.61E-02	2.66E-02	3.74E+00	2.62E-01	3.19E-02	4.06E+00
4116	476863.09	3855377.25	0.32642	0.3563	2.5375	0.58055	2.49E-02	3.80E+00	2.81E-01	3.32E-02	4.14E+00	2.42E-02	1.61E-05	2.81E-02	6.50E-03	5.87E-02	2.71E-02	3.80E+00	2.81E-01	3.32E-02	4.14E+00
4117	477363.09	3855377.25	0.33326	0.36718	2.6516	0.59729	2.54E-02	3.92E+00	2.93E-01	3.42E-02	4.27E+00	2.47E-02	1.66E-05	2.93E-02	6.69E-03	6.07E-02	2.77E-02	3.92E+00	2.93E-01	3.42E-02	4.27E+00
4118	477863.09	3855377.25	0.37827	0.40247	2.6849	0.60582	2.88E-02	4.30E+00	2.97E-01	3.46E-02	4.66E+00	2.80E-02	1.81E-05	2.97E-02	6.78E-03	6.45E-02	3.14E-02	4.30E+00	2.97E-01	3.46E-02	4.66E+00
4119	478363.09	3855377.25	0.44854	0.40007	2.6484	0.61325	3.42E-02	4.27E+00	2.93E-01	3.51E-02	4.63E+00	3.32E-02	1.80E-05	2.93E-02	6.86E-03	6.94E-02	3.72E-02	4.27E+00	2.93E-01	3.51E-02	4.63E+00
4120	478863.09	3855377.25	0.52234	0.36826	2.5395	0.62253	3.98E-02	3.93E+00	2.81E-01	3.56E-02	4.29E+00	3.87E-02	1.66E-05	2.81E-02	6.97E-03	7.37E-02	4.34E-02	3.93E+00	2.81E-01	3.56E-02	4.29E+00
4121	479363.09	3855377.25	1.14678	0.4305	2.3343	0.63126	8.74E-02	4.59E+00	2.58E-01	3.61E-02	4.98E+00	8.49E-02	1.94E-05	2.58E-02	7.07E-03	1.18E-01	9.52E-02	4.59E+00	2.58E-01	3.61E-02	4.98E+00
4122	479863.09	3855377.25	1.28015	0.57488	2.2286	0.77379	9.76E-02	6.13E+00	2.46E-01	4.42E-02	6.52E+00	9.48E-02	2.59E-05	2.46E-02	8.66E-03	1.28E-01	1.06E-01	6.13E+00	2.46E-01	4.42E-02	6.53E+00
4123	480363.09	3855377.25	2.48347	0.80583	3.4943	2.12285	1.89E-01	8.60E+00	3.86E-01	1.21E-01	9.30E+00	1.84E-01	3.63E-05	3.86E-02	2.38E-02	2.46E-01	2.06E-01	8.60E+00	3.86E-01	1.21E-01	9.31E+00
4124	480863.09	3855377.25	4.02764	1.33352	5.3557	1.53567	3.07E-01	1.42E+01	5.92E-01	8.78E-02	1.52E+01	2.98E-01	6.01E-05	5.92E-02	1.72E-02	3.75E-01	3.34E-01	1.42E+01	5.92E-01	8.78E-02	1.52E+01
4125	481363.09	3855377.25	5.16703	2.49956	4.6405	1.55626	3.94E-01	2.67E+01	5.13E-01	8.90E-02	2.77E+01	3.83E-01	1.13E-04	5.13E-02	1.74E-02	4.51E-01	4.29E-01	2.67E+01	5.13E-01	8.90E-02	2.77E+01
4126	481863.09	3855377.25	5.9432	4.15911	4.1203	1.47967	4.53E-01	4.44E+01	4.56E-01	8.46E-02	4.54E+01	4.40E-01	1.87E-04	4.56E-02	1.66E-02	5.02E-01	4.93E-01	4.44E+01	4.56E-01	8.46E-02	4.54E+01
4127	482363.09	3855377.25	6.54866	6.40255	4.5814	1.49741	4.99E-01	6.83E+01	5.07E-01	8.56E-02	6.94E+01	4.85E-01	2.89E-04	5.07E-02	1.68E-02	5.53E-01	5.44E-01	6.83E+01	5.07E-01	8.56E-02	6.95E+01
4128	482863.09	3855377.25	7.86324	8.44106	3.1057	2.2634	5.99E-01	9.01E+01	3.43E-01	1.29E-01	9.12E+01	5.82E-01	3.81E-04	3.43E-02	2.53E-02	6.42E-01	6.53E-01	9.01E+01	3.43E-01	1.29E-01	9.12E+01
4129	483363.09	3855377.25	9.55121	7.43129	1.5918	2.25172	7.28E-01	7.93E+01	1.76E-01	1.29E-01	8.03E+01	7.07E-01	3.35E-04	1.76E-02	2.52E-02	7.50E-01	7.93E-01	7.93E+01	1.76E-01	1.29E-01	8.04E+01
4130	483863.09	3855377.25	12.9618	4.60404	2.228	2.87957	9.88E-01	4.91E+01	2.46E-01	1.65E-01	5.05E+01	9.60E-01	2.08E-04	2.46E-02	3.22E-02	1.02E+00	1.08E+00	4.91E+01	2.46E-01	1.65E-01	5.06E+01
4131	484363.09	3855377.25	28.4266	1.82075	3.444	1.80291	2.17E+00	1.94E+01	3.81E-01	1.03E-01	2.21E+01	2.10E+00	8.21E-05	3.81E-02	2.02E-02	2.16E+00	2.36E+00	1.94E+01	3.81E-01	1.03E-01	2.23E+01
4132	484863.09	3855377.25	61.0485	1.55253	4.2153	3.18678	4.65E+00	1.66E+01	4.66E-01	1.82E-01	2.19E+01	4.52E+00	7.00E-05	4.66E-02	3.57E-02	4.60E+00	5.07E+00	1.66E+01	4.66E-01	1.82E-01	2.23E+01
4133	485363.09	3855377.25	23.8018	0.96339	3.5475	3.51707	1.81E+00	1.03E+01	3.92E-01	2.01E-01	1.27E+01	1.76E+00	4.34E-05	3.92E-02	3.94E-02	1.84E+00	1.98E+00	1.03E+01	3.92E-01	2.01E-01	1.29E+01
4134	485863.09	3855377.25	14.9071	0.64099	7.2467	3.09495	1.14E+00	6.84E+00	8.01E-01	1.77E-01	8.95E+00	1.10E+00	2.89E-05	8.01E-02	3.46E-02	1.22E+00	1.24E+00	6.84E+00	8.01E-01	1.77E-01	9.06E+00
4135	486363.09	3855377.25	8.99789	0.52369	9.9603	1.91329	6.86E-01	5.59E+00	1.10E+00	1.09E-01	7.49E+00	6.66E-01	2.36E-05	1.10E-01	2.14E-02	7.98E-01	7.47E-01	5.59E+00	1.10E+00	1.09E-01	7.55E+00
4136	486863.09	3855377.25	6.27783	0.47234	6.7837	1.78933	4.79E-01	5.04E+00	7.50E-01	1.02E-01	6.37E+00	4.65E-01	2.13E-05	7.50E-02	2.00E-02	5.60E-01	5.21E-01	5.04E+00	7.50E-01	1.02E-01	6.41E+00
4137	487363.09	3855377.25	7.24668	0.5321	13.138	1.93661	5.52E-01	5.68E+00	1.45E+00	1.11E-01	7.79E+00	5.36E-01	2.40E-05	1.45E-01	2.17E-02	7.03E-01	6.02E-01	5.68E+00	1.45E+00	1.11E-01	7.84E+00
4138	487863.09	3855377.25	7.59906	0.48154	5.1371	1.79469	5.79E-01	5.14E+00	5.68E-01	1.03E-01	6.39E+00	5.63E-01	2.17E-05	5.68E-02	2.01E-02	6.39E-01	6.31E-01	5.14E+00	5.68E-01	1.03E-01	6.44E+00
4139	488363.09	3855377.25	7.61378	0.58017	3.6622	1.4295	5.80E-01	6.19E+00	4.05E-01	8.17E-02	7.26E+00	5.64E-01	2.62E-05	4.05E-02	1.60E-02	6.20E-01	6.32E-01	6.19E+00	4.05E-01	8.17E-02	7.31E+00
4140	488863.09	3855377.25	7.36536	0.60176	6.9318	1.37351	5.61E-01	6.42E+00	7.66E-01	7.85E-02	7.83E+00	5.45E-01	2.71E-05	7.66E-02	1.54E-02	6.37E-01	6.11E-01	6.42E+00	7.66E-01	7.85E-02	7.88E+00
4141	489363.09	3855377.25	6.87154	0.60796	13.507	1.28753	5.24E-01	6.49E+00	1.49E+00	7.36E-02	8.58E+00	5.09E-01	2.74E-05	1.49E-01	1.44E-02	6.72E-01	5.70E-01	6.49E+00	1.49E+00	7.36E-02	8.63E+00
4142	489863.09	3855377.25	6.1527	0.56711	4.7569	1.27955	4.69E-01	6.05E+00	5.26E-01	7.32E-02	7.12E+00	4.56E-01	2.56E-05	5.26E-02	1.43E-02	5.22E-01	5.11E-01	6.05E+00	5.26E-01	7.32E-02	7.16E+00
4143	490363.09	3855377.25	5.96369	0.58346	12.629	3.69595	4.55E-01	6.23E+00	1.40E+00	2.11E-01	8.29E+00	4.42E-01	2.63E-05	1.40E-01	4.14E-02	6.23E-01	4.95E-01	6.23E+00	1.40E+00	2.11E-01	8.33E+00
4144	490863.09	3855377.25	2.30949	0.32621	18.324	0.77027	1.76E-01	3.48E+00	2.03E+00	4.40E-02	5.73E+00	1.71E-01	1.47E-05	2.03E-01	8.62E-03	3.82E-01	1.92E-01	3.48E+00	2.03E+00	4.40E-02	5.74E+00

4145	491363.09	3855377.25	1.32985	0.37995	6.251	0.66267	1.01E-01	4.05E+00	6.91E-01	3.79E-02	4.89E+00	9.85E-02	1.71E-05	6.91E-02	7.42E-03	1.75E-01	1.10E-01	4.05E+00	6.91E-01	3.79E-02	4.89E+00
4146	491863.09	3855377.25	3.75684	0.47071	10.41	0.90361	2.86E-01	5.02E+00	1.15E+00	5.17E-02	6.51E+00	2.78E-01	2.12E-05	1.15E-01	1.01E-02	4.03E-01	3.12E-01	5.02E+00	1.15E+00	5.17E-02	6.54E+00
4147	492363.09	3855377.25	3.48479	0.47678	16.388	1.03897	2.66E-01	5.09E+00	1.81E+00	5.94E-02	7.22E+00	2.58E-01	2.15E-05	1.81E-01	1.16E-02	4.51E-01	2.89E-01	5.09E+00	1.81E+00	5.94E-02	7.25E+00
4148	492863.09	3855377.25	3.11729	0.43839	16.261	1.4663	2.38E-01	4.68E+00	1.80E+00	8.38E-02	6.80E+00	2.31E-01	1.98E-05	1.80E-01	1.64E-02	4.27E-01	2.59E-01	4.68E+00	1.80E+00	8.38E-02	6.82E+00
4149	493363.09	3855377.25	2.44576	0.35991	13.185	0.7773	1.86E-01	3.84E+00	1.46E+00	4.44E-02	5.53E+00	1.81E-01	1.62E-05	1.46E-01	8.70E-03	3.36E-01	2.03E-01	3.84E+00	1.46E+00	4.44E-02	5.55E+00
4150	493863.09	3855377.25	1.30086	0.27913	9.2006	0.63397	9.92E-02	2.98E+00	1.02E+00	3.63E-02	4.13E+00	9.63E-02	1.26E-05	1.02E-01	7.10E-03	2.05E-01	1.08E-01	2.98E+00	1.02E+00	3.63E-02	4.14E+00
4151	494363.09	3855377.25	1.03824	0.23266	3.1439	0.41759	7.91E-02	2.48E+00	3.48E-01	2.39E-02	2.93E+00	7.69E-02	1.05E-05	3.48E-02	4.67E-03	1.16E-01	8.62E-02	2.48E+00	3.48E-01	2.39E-02	2.94E+00
4152	494863.09	3855377.25	0.87734	0.21282	2.4631	0.41578	6.69E-02	2.27E+00	2.72E-01	2.38E-02	2.63E+00	6.50E-02	9.59E-06	2.72E-02	4.65E-03	9.68E-02	7.28E-02	2.27E+00	2.72E-01	2.38E-02	2.64E+00
4153	495363.09	3855377.25	0.80026	0.20679	2.1414	0.41259	6.10E-02	2.21E+00	2.37E-01	2.36E-02	2.53E+00	5.92E-02	9.32E-06	2.37E-02	4.62E-03	8.75E-02	6.64E-02	2.21E+00	2.37E-01	2.36E-02	2.53E+00
4154	495863.09	3855377.25	0.76288	0.20635	2.0129	0.40515	5.81E-02	2.20E+00	2.23E-01	2.32E-02	2.51E+00	5.65E-02	9.30E-06	2.23E-02	4.54E-03	8.33E-02	6.33E-02	2.20E+00	2.23E-01	2.32E-02	2.51E+00
4155	496363.09	3855377.25	0.7601	0.21051	1.835	0.39161	5.79E-02	2.25E+00	2.03E-01	2.24E-02	2.53E+00	5.63E-02	9.49E-06	2.03E-02	4.38E-03	8.10E-02	6.31E-02	2.25E+00	2.03E-01	2.24E-02	2.53E+00
4156	496863.09	3855377.25	0.75909	0.21489	1.8205	0.35469	5.79E-02	2.29E+00	2.01E-01	2.03E-02	2.57E+00	5.62E-02	9.69E-06	2.01E-02	3.97E-03	8.03E-02	6.30E-02	2.29E+00	2.01E-01	2.03E-02	2.58E+00
4157	497363.09	3855377.25	0.76481	0.22017	1.7781	0.37975	5.83E-02	2.35E+00	1.97E-01	2.17E-02	2.63E+00	5.66E-02	9.92E-06	1.97E-02	4.25E-03	8.05E-02	6.35E-02	2.35E+00	1.97E-01	2.17E-02	2.63E+00
4158	497863.09	3855377.25	0.77776	0.22647	1.7825	0.37182	5.93E-02	2.42E+00	1.97E-01	2.13E-02	2.69E+00	5.76E-02	1.02E-05	1.97E-02	4.16E-03	8.15E-02	6.46E-02	2.42E+00	1.97E-01	2.13E-02	2.70E+00
4159	498363.09	3855377.25	0.79278	0.23314	1.8135	0.36408	6.04E-02	2.49E+00	2.01E-01	2.08E-02	2.77E+00	5.87E-02	1.05E-05	2.01E-02	4.08E-03	8.28E-02	6.58E-02	2.49E+00	2.01E-01	2.08E-02	2.78E+00
4160	471363.09	3855877.25	0.83362	0.32257	4.2476	0.48121	6.35E-02	3.44E+00	4.70E-01	2.75E-02	4.00E+00	6.17E-02	1.45E-05	4.70E-02	5.39E-03	1.14E-01	6.92E-02	3.44E+00	4.70E-01	2.75E-02	4.01E+00
4161	471863.09	3855877.25	0.84676	0.32273	4.5513	0.49598	6.45E-02	3.44E+00	5.03E-01	2.84E-02	4.04E+00	6.27E-02	1.45E-05	5.03E-02	5.55E-03	1.19E-01	7.03E-02	3.44E+00	5.03E-01	2.84E-02	4.05E+00
4162	472363.09	3855877.25	0.91421	0.31998	5.4664	0.60505	6.97E-02	3.41E+00	6.04E-01	3.46E-02	4.12E+00	6.77E-02	1.44E-05	6.04E-02	6.77E-03	1.35E-01	7.59E-02	3.41E+00	6.04E-01	3.46E-02	4.13E+00
4163	472863.09	3855877.25	0.90804	0.32662	5.3808	0.57298	6.92E-02	3.49E+00	5.95E-01	3.28E-02	4.18E+00	6.72E-02	1.47E-05	5.95E-02	6.41E-03	1.33E-01	7.54E-02	3.49E+00	5.95E-01	3.28E-02	4.19E+00
4164	473363.09	3855877.25	1.02308	0.35529	6.3093	0.71823	7.80E-02	3.79E+00	6.98E-01	4.11E-02	4.61E+00	7.57E-02	1.60E-05	6.98E-02	8.04E-03	1.54E-01	8.49E-02	3.79E+00	6.98E-01	4.11E-02	4.62E+00
4165	473863.09	3855877.25	1.09986	0.3814	6.6095	0.79165	8.38E-02	4.07E+00	7.31E-01	4.53E-02	4.93E+00	8.14E-02	1.72E-05	7.31E-02	8.86E-03	1.63E-01	9.13E-02	4.07E+00	7.31E-01	4.53E-02	4.94E+00
4166	474363.09	3855877.25	1.14558	0.39944	11.443	1.19171	8.73E-02	4.26E+00	1.27E+00	6.81E-02	5.68E+00	8.48E-02	1.80E-05	1.27E-01	1.33E-02	2.25E-01	9.51E-02	4.26E+00	1.27E+00	6.81E-02	5.69E+00
4167	474863.09	3855877.25	0.80492	0.40438	5.7107	0.5611	6.14E-02	4.32E+00	6.31E-01	3.21E-02	5.04E+00	5.96E-02	1.82E-05	6.31E-02	6.28E-03	1.29E-01	6.68E-02	4.32E+00	6.31E-01	3.21E-02	5.05E+00
4168	475363.09	3855877.25	0.4009	0.39347	1.6713	0.49319	3.06E-02	4.20E+00	1.85E-01	2.82E-02	4.44E+00	2.97E-02	1.77E-05	1.85E-02	5.52E-03	5.37E-02	3.33E-02	4.20E+00	1.85E-01	2.82E-02	4.45E+00
4169	475863.09	3855877.25	0.29346	0.3666	1.5421	0.5018	2.24E-02	3.91E+00	1.70E-01	2.87E-02	4.13E+00	2.17E-02	1.65E-05	1.70E-02	5.62E-03	4.44E-02	2.44E-02	3.91E+00	1.70E-01	2.87E-02	4.14E+00
4170	476363.09	3855877.25	0.30206	0.32638	1.7616	0.51937	2.30E-02	3.48E+00	1.95E-01	2.97E-02	3.73E+00	2.24E-02	1.47E-05	1.95E-02	5.81E-03	4.77E-02	2.51E-02	3.48E+00	1.95E-01	2.97E-02	3.73E+00
4171	476863.09	3855877.25	0.35153	0.29843	1.948	0.54977	2.68E-02	3.18E+00	2.15E-01	3.14E-02	3.46E+00	2.60E-02	1.35E-05	2.15E-02	6.15E-03	5.37E-02	2.92E-02	3.18E+00	2.15E-01	3.14E-02	3.46E+00
4172	477363.09	3855877.25	0.40933	0.31841	2.1666	0.57309	3.12E-02	3.40E+00	2.40E-01	3.28E-02	3.70E+00	3.03E-02	1.44E-05	2.40E-02	6.42E-03	6.07E-02	3.40E-02	3.40E+00	2.40E-01	3.28E-02	3.70E+00
4173	477863.09	3855877.25	0.4684	0.34242	2.3869	0.59473	3.57E-02	3.65E+00	2.64E-01	3.40E-02	3.99E+00	3.47E-02	1.54E-05	2.64E-02	6.66E-03	6.77E-02	3.89E-02	3.65E+00	2.64E-01	3.40E-02	3.99E+00
4174	478363.09	3855877.25	0.56189	0.36656	2.5745	0.61667	4.28E-02	3.91E+00	2.85E-01	3.53E-02	4.27E+00	4.16E-02	1.65E-05	2.85E-02	6.90E-03	7.70E-02	4.66E-02	3.91E+00	2.85E-01	3.53E-02	4.28E+00
4175	478863.09	3855877.25	0.65338	0.38571	2.7361	0.63717	4.98E-02	4.12E+00	3.03E-01	3.64E-02	4.50E+00	4.84E-02	1.74E-05	3.03E-02	7.13E-03	8.58E-02	5.42E-02	4.12E+00	3.03E-01	3.64E-02	4.51E+00
4176	479363.09	3855877.25	0.95098	0.41409	4.6153	0.6563	7.25E-02	4.42E+00	5.10E-01	3.75E-02	5.04E+00	7.04E-02	1.87E-05	5.10E-02	7.35E-03	1.29E-01	7.90E-02	4.42E+00	5.10E-01	3.75E-02	5.05E+00
4177	479863.09	3855877.25	1.5693	0.51245	7.3604	1.32163	1.20E-01	5.47E+00	8.14E-01	7.56E-02	6.48E+00	1.16E-01	2.31E-05	8.14E-02	1.48E-02	2.12E-01	1.30E-01	5.47E+00	8.14E-01	7.56E-02	6.49E+00
4178	480363.09	3855877.25	2.65683	0.69975	7.7115	2.50482	2.03E-01	7.47E+00	8.53E-01	1.43E-01	8.67E+00	1.97E-01	3.15E-05	8.53E-02	2.80E-02	3.10E-01	2.21E-01	7.47E+00	8.53E-01	1.43E-01	8.68E+00
4179	480863.09	3855877.25	4.04866	1.05699	4.2703	2.63377	3.09E-01	1.13E+01	4.72E-01	1.51E-01	1.22E+01	3.00E-01	4.76E-05	4.72E-02	2.95E-02	3.76E-01	3.36E-01	1.13E+01	4.72E-01	1.51E-01	1.22E+01
4180	481363.09	3855877.25	4.54338	1.17301	2.6357	2.83201	3.46E-01	1.25E+01	2.91E-01	1.62E-01	1.33E+01	3.36E-01	5.29E-05	2.91E-02	3.17E-02	3.97E-01	3.77E-01	1.25E+01	2.91E-01	1.62E-01	1.33E+01
4181	481863.09	3855877.25	5.95105	3.5211	3.1042	1.06434	4.54E-01	3.76E+01	3.43E-01	6.09E-02	3.84E+01	4.41E-01	1.59E-04	3.43E-02	1.19E-02	4.87E-01	4.94E-01	3.76E+01	3.43E-01	6.09E-02	3.85E+01
4182	482363.09	3855877.25	6.23592	6.59667	3.9374	1.12574	4.75E-01	7.04E+01	4.35E-01	6.44E-02	7.14E+01	4.62E-01	2.97E-04	4.35E-02	1.26E-02	5.18E-01	5.18E-01	7.04E+01	4.35E-01	6.44E-02	7.14E+01
4183	482863.09	3855877.25	7.08697	8.72794	3.9217	2.07263	5.40E-01	9.31E+01	4.34E-01	1.19E-01	9.42E+01	5.25E-01	3.93E-04	4.34E-02	2.32E-02	5.92E-01	5.88E-01	9.31E+01	4.34E-01	1.19E-01	9.43E+01
4184	483363.09	3855877.25	8.0877	10.1682	4.3788	2.00367	6.16E-01	1.09E+02	4.84E-01	1.15E-01	1.10E+02	5.99E-01	4.58E-04	4.84E-02	2.24E-02	6.70E-01	6.71E-01	1.09E+02	4.84E-01	1.15E-01	1.10E+02
4185	483863.09	3855877.25	9.86447	8.90378	2.7273	2.88559	7.52E-01	9.50E+01	3.02E-01	1.65E-01	9.62E+01	7.30E-01	4.01E-04	3.02E-02	3.23E-02	7.93E-01	8.19E-01	9.50E+01	3.02E-01	1.65E-01	9.63E+01
4186	484363.09	3855877.25	16.9171	5.19672	1.906	4.4641	1.29E+00	5.55E+01	2.11E-01	2.55E-01	5.72E+01	1.25E+00	2.34E-04	2.11E-02	5.00E-02	1.32E+00	1.40E+00	5.55E+01	2.11E-01	2.55E-01	5.73E+01
4187	484863.09	3855877.25	27.0774	2.83396	3.398	3.08692	2.06E+00	3.02E+01	3.76E-01	1.77E-01	3.29E+01	2.00E+00	1.28E-04	3.76E-02	3.46E-02	2.08E+00	2.25E+00	3.02E+01	3.76E-01	1.77E-01	3.30E+01
4188	485363.09	3855877.25	62.2883	2.10668	4.7628	3.17436	4.75E+00	2.25E+01	5.27E-01	1.82E-01	2.79E+01	4.61E+00	9.50E-05	5.27E-02	3.55E-02	4.70E+00	5.17E+00	2.25E+01	5.27E-01	1.82E-01	2.84E+01
4189	485863.09	3855877.25	37.5608	1.27499	4.2726	2.88645	2.86E+00	1.36E+01	4.72E-01	1.65E-01	1.71E+01	2.78E+00	5.75E-05	4.72E-02	3.23E-02	2.86E+00	3.12E+00	1.36E+01	4.72E-01	1.65E-01	1.74E+01
4190	486363.09	3855877.25	16.8627	0.82814	6.8922	2.61272	1.29E+00	8.84E+00	7.62E-01	1.49E-01	1.10E+01	1.25E+00	3.73E-05	7.62E-02	2.92E-02	1.35E+00	1.40E+00	8.84E+00	7.62E-01	1.49E-01	1.11E+01
4191	486863.09	3855877.25	12.024	0.7809	13.969	2.11295	9.16E-01	8.33E+00	1.54E+00	1.21E-01	1.09E+01	8.90E-01	3.52E-05	1.54E-01	2.37E-02	1.07E+00	9.98E-01	8.33E+00	1.54E+00	1.21E-01	1.10E+01
4192	487363.09	3855877.25	12.0061	0.86388	10.73	1.71264	9.15E-01	9.22E+00	1.19E+00	9.79E-02	1.14E+01	8.89E-01	3.89E-05	1.19E-01	1.92E-02	1.03E+00	9.97E-01	9.22E+00	1.19E+00	9.79E-02	1.15E+01
4193	487863.09	3855877.25	11.4335	0.89383	4.8522	1.35316	8.71E-01	9.54E+00	5.36E-01	7.74E-02	1.10E+01	8.46E-01	4.03E-05	5.36E-02	1.51E-02	9.15E-01	9.49E-01	9.54E+00	5.36E-01	7.74E-02	1.11E+01
4194	488363.09	3855877.25	10.4692	0.94887	4.0844	1.10473	7.98E-01	1.01E+01	4.52E-01	6.32E-02	1.14E+01	7.75E-01	4.28E-05	4.52E-02	1.24E-02	8.33E-01	8.69E-01	1.01E+01	4.52E-01	6.32E-02	1.15E+01
4195	488863.09	3855877.25	9.64846	1.01458	8.0198	0.92335	7.35E-01	1.08E+01	8.87E-01	5.28E-02	1.25E+01	7.14E-01	4.57E-05	8.87E-02	1.03E-02	8.13E-01	8.01E-01	1.08E+01	8.87E-01	5.28E-02	1.26E+01
4196	489363.09	3855877.25	8.87045	1.03091	7.763	0.82565	6.76E-01	1.10E+01	8.58E-01	4.72E-02	1.26E+01	6.57E-01	4.65E-05	8.58E-02	9.24E-03	7.52E-01	7.36E-01	1.10E+01	8.58E-01	4.72E-02	1.26E+01
4197	489863.09	3855877.25	7.85943	0.99692	6.3255	0.92729	5.99E-01	1.06E+01	6.99E-01	5.30E-02	1.20E+01	5.82E-01	4.49E-05	6.99E-02	1.04E-02	6.62E-01	6.52E-01	1.06E+01	6.99E-01	5.30E-02	1.20E+01
4198	490363.09	3855877.25	6.66496	0.9783	6.4853	1.63835	5.08E-01	1.04E+01	7.17E-01	9.37E-02	1.18E+01	4.93E-01	4.41E-05	7.17E-02	1.83E-02	5.84E-01	5.53E-01	1.04E+01	7.17E-01	9.37E-02	1.18E+01
4199	490863.09	3855877.25	5.67129	0.8733	7.6113	0.85582	4.32E-01	9.32E+00	8.42E-01	4.89E-02	1.06E+01	4.20E-01	3.94E-05	8.42E-02	9.58E-03	5.14E-01	4.71E-01	9.32E+00	8.42E-01	4.89E-02	1.07E+01
4200	491363.09	3855877.25	4.44725	0.54006	19.699	0.8951	3.39E-01	5.76E+00	2.18E+00	5.12E-02	8.33E+00	3.29E-01	2.43E-05	2.18E-01	1.00E-02	5.57E-01	3.69E-01	5.76E+00	2.18E+00	5.12E-02	8.36E+00
4201	491863.09	3855877.25	4.85086	0.90037	11.016	1.14633	3.70E-01	9.61E+00	1.22E+00	6.56E-02	1.13E+01	3.59E-01	4.06E-05	1.22E-01	1.28E-02	4.94E-01	4.03E-01	9.61E+00	1.22E+00	6.56E-02	1.13E+01
4202	492363.09	3855877.25	4.31548	0.65221	12.848	1.66132	3.29E-01	6.96E+00	1.42E+00	9.50E-02	8.80E+00	3.19E-01	2.94E-05	1.42E-01	1.86E-02	4.80E-01	3.58E-01	6.96E+00	1.42E+00	9.50E-02	8.83E+00
4203	492863.09	3855877.25	3.78343	0.5842	15.527	1.15756	2.88E-01	6.23E+00	1.72E+00	6.62E-02	8.31E+00	2.80E-01	2.63E-05	1.72E-01	1.30E-02	4.65E-01	3.14E-01	6.23E+00	1.72E+00	6.62E-02	8.33E+00
4204	493363.09	3855877.25	2.5323	0.43127	8.2298	0.52295	1.93E-01	4.60E+00	9.10E-01	2.99E-02	5.74E+00	1.87E-01	1.94E-05	9.10E-02	5.85E-03	2.84E-01	2.10E-01	4.60E+00	9.10E-01	2.99E-02	5.75E+00
4205	493863.09	3855877.25	1.31132	0.34412	3.2901	0.47613	9.99E-02	3.67E+00	3.64E-01	2.72E-02	4.16E+00	9.71E-02	1.55E-05	3.64E-02	5.33E-03	1.39E-01	1.09E-01	3.67E+00	3.64E-01	2.72E-02	4.17E+00

4206	494363.09	3855877.25	1.01035	0.30821	2.1648	0.45191	7.70E-02	3.29E+00	2.39E-01	2.58E-02	3.63E+00	7.48E-02	1.39E-05	2.39E-02	5.06E-03	1.04E-01	8.39E-02	3.29E+00	2.39E-01	2.58E-02	3.64E+00
4207	494863.09	3855877.25	0.86603	0.29352	2.2585	0.44572	6.60E-02	3.13E+00	2.50E-01	2.55E-02	3.47E+00	6.41E-02	1.32E-05	2.50E-02	4.99E-03	9.41E-02	7.19E-02	3.13E+00	2.50E-01	2.55E-02	3.48E+00
4208	495363.09	3855877.25	0.76336	0.28368	1.6756	0.31056	5.82E-02	3.03E+00	1.85E-01	1.78E-02	3.29E+00	5.65E-02	1.28E-05	1.85E-02	3.48E-03	7.85E-02	6.34E-02	3.03E+00	1.85E-01	1.78E-02	3.29E+00
4209	495863.09	3855877.25	0.76024	0.28667	1.6286	0.31403	5.79E-02	3.06E+00	1.80E-01	1.80E-02	3.32E+00	5.63E-02	1.29E-05	1.80E-02	3.52E-03	7.78E-02	6.31E-02	3.06E+00	1.80E-01	1.80E-02	3.32E+00
4210	496363.09	3855877.25	0.75945	0.28967	1.697	0.32209	5.79E-02	3.09E+00	1.88E-01	1.84E-02	3.36E+00	5.62E-02	1.31E-05	1.88E-02	3.61E-03	7.86E-02	6.31E-02	3.09E+00	1.88E-01	1.84E-02	3.36E+00
4211	496863.09	3855877.25	0.7683	0.29382	1.8651	0.35088	5.86E-02	3.14E+00	2.06E-01	2.01E-02	3.42E+00	5.69E-02	1.32E-05	2.06E-02	3.93E-03	8.14E-02	6.38E-02	3.14E+00	2.06E-01	2.01E-02	3.43E+00
4212	497363.09	3855877.25	0.7788	0.29808	1.758	0.39641	5.94E-02	3.18E+00	1.94E-01	2.27E-02	3.46E+00	5.77E-02	1.34E-05	1.94E-02	4.44E-03	8.15E-02	6.47E-02	3.18E+00	1.94E-01	2.27E-02	3.46E+00
4213	497863.09	3855877.25	0.79377	0.30313	1.9773	0.3881	6.05E-02	3.23E+00	2.19E-01	2.22E-02	3.54E+00	5.88E-02	1.37E-05	2.19E-02	4.34E-03	8.50E-02	6.59E-02	3.23E+00	2.19E-01	2.22E-02	3.54E+00
4214	498363.09	3855877.25	0.82768	0.31197	1.838	0.37969	6.31E-02	3.33E+00	2.03E-01	2.17E-02	3.62E+00	6.13E-02	1.41E-05	2.03E-02	4.25E-03	8.59E-02	6.87E-02	3.33E+00	2.03E-01	2.17E-02	3.62E+00
4215	471363.09	3856377.25	0.86172	0.29436	2.4683	0.38687	6.57E-02	3.14E+00	2.73E-01	2.21E-02	3.50E+00	6.38E-02	1.33E-05	2.73E-02	4.33E-03	9.54E-02	7.15E-02	3.14E+00	2.73E-01	2.21E-02	3.51E+00
4216	471863.09	3856377.25	0.87069	0.30799	2.7947	0.39268	6.64E-02	3.29E+00	3.09E-01	2.25E-02	3.68E+00	6.45E-02	1.39E-05	3.09E-02	4.40E-03	9.98E-02	7.23E-02	3.29E+00	3.09E-01	2.25E-02	3.69E+00
4217	472363.09	3856377.25	0.91153	0.31988	3.4093	0.3993	6.95E-02	3.41E+00	3.77E-01	2.28E-02	3.88E+00	6.75E-02	1.44E-05	3.77E-02	4.47E-03	1.10E-01	7.57E-02	3.41E+00	3.77E-01	2.28E-02	3.89E+00
4218	472863.09	3856377.25	0.96496	0.34063	4.1699	0.45323	7.36E-02	3.64E+00	4.61E-01	2.59E-02	4.20E+00	7.14E-02	1.54E-05	4.61E-02	5.07E-03	1.23E-01	8.01E-02	3.64E+00	4.61E-01	2.59E-02	4.20E+00
4219	473363.09	3856377.25	1.00344	0.37683	4.8506	0.50233	7.65E-02	4.02E+00	5.36E-01	2.87E-02	4.66E+00	7.43E-02	1.70E-05	5.36E-02	5.62E-03	1.34E-01	8.33E-02	4.02E+00	5.36E-01	2.87E-02	4.67E+00
4220	473863.09	3856377.25	1.0848	0.4691	5.6771	0.60467	8.27E-02	5.01E+00	6.28E-01	3.46E-02	5.75E+00	8.03E-02	2.11E-05	6.28E-02	6.77E-03	1.50E-01	9.01E-02	5.01E+00	6.28E-01	3.46E-02	5.76E+00
4221	474363.09	3856377.25	1.03962	0.39143	6.0233	0.55063	7.92E-02	4.18E+00	6.66E-01	3.15E-02	4.95E+00	7.70E-02	1.76E-05	6.66E-02	6.16E-03	1.50E-01	8.63E-02	4.18E+00	6.66E-01	3.15E-02	4.96E+00
4222	474863.09	3856377.25	0.959	0.33584	9.6321	0.65939	7.31E-02	3.58E+00	1.06E+00	3.77E-02	4.76E+00	7.10E-02	1.51E-05	1.06E-01	7.38E-03	1.85E-01	7.96E-02	3.58E+00	1.06E+00	3.77E-02	4.77E+00
4223	475363.09	3856377.25	0.67697	0.35769	4.3734	0.45378	5.16E-02	3.82E+00	4.84E-01	2.59E-02	4.38E+00	5.01E-02	1.61E-05	4.84E-02	5.08E-03	1.04E-01	5.62E-02	3.82E+00	4.84E-01	2.59E-02	4.38E+00
4224	475863.09	3856377.25	0.38396	0.3882	1.3286	0.46552	2.93E-02	4.14E+00	1.47E-01	2.66E-02	4.35E+00	2.84E-02	1.75E-05	1.47E-02	5.21E-03	4.83E-02	3.19E-02	4.14E+00	1.47E-01	2.66E-02	4.35E+00
4225	476363.09	3856377.25	0.37198	0.40947	1.4587	0.47457	2.84E-02	4.37E+00	1.61E-01	2.71E-02	4.59E+00	2.75E-02	1.85E-05	1.61E-02	5.31E-03	4.90E-02	3.09E-02	4.37E+00	1.61E-01	2.71E-02	4.59E+00
4226	476863.09	3856377.25	0.37778	0.41574	1.6052	0.47546	2.88E-02	4.44E+00	1.77E-01	2.72E-02	4.67E+00	2.80E-02	1.87E-05	1.77E-02	5.32E-03	5.11E-02	3.14E-02	4.44E+00	1.77E-01	2.72E-02	4.67E+00
4227	477363.09	3856377.25	0.39447	0.40445	1.7595	0.48011	3.01E-02	4.32E+00	1.95E-01	2.75E-02	4.57E+00	2.92E-02	1.82E-05	1.95E-02	5.37E-03	5.41E-02	3.27E-02	4.32E+00	1.95E-01	2.75E-02	4.57E+00
4228	477863.09	3856377.25	0.34387	0.37556	1.914	0.50072	2.62E-02	4.01E+00	2.12E-01	2.86E-02	4.27E+00	2.55E-02	1.69E-05	2.12E-02	5.61E-03	5.22E-02	2.85E-02	4.01E+00	2.12E-01	2.86E-02	4.28E+00
4229	478363.09	3856377.25	0.32284	0.33084	1.7702	0.51789	2.46E-02	3.53E+00	1.96E-01	2.96E-02	3.78E+00	2.39E-02	1.49E-05	1.96E-02	5.80E-03	4.93E-02	2.68E-02	3.53E+00	1.96E-01	2.96E-02	3.78E+00
4230	478863.09	3856377.25	0.49225	0.27541	2.2283	0.58753	3.75E-02	2.94E+00	2.46E-01	3.36E-02	3.26E+00	3.64E-02	1.24E-05	2.46E-02	6.58E-03	6.77E-02	4.09E-02	2.94E+00	2.46E-01	3.36E-02	3.26E+00
4231	479363.09	3856377.25	0.57722	0.29398	2.6741	0.62511	4.40E-02	3.14E+00	2.96E-01	3.57E-02	3.51E+00	4.27E-02	1.33E-05	2.96E-02	7.00E-03	7.93E-02	4.79E-02	3.14E+00	2.96E-01	3.57E-02	3.52E+00
4232	479863.09	3856377.25	1.58402	0.38503	7.3692	1.15074	1.21E-01	4.11E+00	8.15E-01	6.58E-02	5.11E+00	1.17E-01	1.74E-05	8.15E-02	1.29E-02	2.12E-01	1.32E-01	4.11E+00	8.15E-01	6.58E-02	5.12E+00
4233	480363.09	3856377.25	2.69513	0.66878	8.2215	1.74222	2.05E-01	7.14E+00	9.09E-01	9.96E-02	8.35E+00	2.00E-01	3.01E-05	9.09E-02	1.95E-02	3.10E-01	2.24E-01	7.14E+00	9.09E-01	9.96E-02	8.37E+00
4234	480863.09	3856377.25	3.36569	0.9527	6.3539	1.16928	2.57E-01	1.02E+01	7.02E-01	6.69E-02	1.12E+01	2.49E-01	4.29E-05	7.02E-02	1.31E-02	3.33E-01	2.79E-01	1.02E+01	7.02E-01	6.69E-02	1.12E+01
4235	481363.09	3856377.25	3.90804	1.25457	3.9793	0.83523	2.98E-01	1.34E+01	4.40E-01	4.78E-02	1.42E+01	2.89E-01	5.66E-05	4.40E-02	9.35E-03	3.43E-01	3.24E-01	1.34E+01	4.40E-01	4.78E-02	1.42E+01
4236	481863.09	3856377.25	4.55151	2.7532	3.4038	0.88687	3.47E-01	2.94E+01	3.76E-01	5.07E-02	3.02E+01	3.37E-01	1.24E-04	3.76E-02	9.93E-03	3.85E-01	3.78E-01	2.94E+01	3.76E-01	5.07E-02	3.02E+01
4237	482363.09	3856377.25	5.59411	5.82549	3.4903	1.01853	4.26E-01	6.22E+01	3.86E-01	5.82E-02	6.30E+01	4.14E-01	2.63E-04	3.86E-02	1.14E-02	4.64E-01	4.64E-01	6.22E+01	3.86E-01	5.82E-02	6.31E+01
4238	482863.09	3856377.25	6.19767	7.83557	3.3154	1.14211	4.72E-01	8.36E+01	3.67E-01	6.53E-02	8.45E+01	4.59E-01	3.53E-04	3.67E-02	1.28E-02	5.09E-01	5.15E-01	8.36E+01	3.67E-01	6.53E-02	8.46E+01
4239	483363.09	3856377.25	6.69561	13.5072	3.653	1.78678	5.10E-01	1.44E+02	4.04E-01	1.02E-01	1.45E+02	4.96E-01	6.09E-04	4.04E-02	2.00E-02	5.57E-01	5.56E-01	1.44E+02	4.04E-01	1.02E-01	1.45E+02
4240	483863.09	3856377.25	9.33927	12.5468	3.757	9.251	7.12E-01	1.34E+02	4.15E-01	5.29E-01	1.36E+02	6.91E-01	5.66E-04	4.15E-02	1.04E-01	8.37E-01	7.75E-01	1.34E+02	4.15E-01	5.29E-01	1.36E+02
4241	484363.09	3856377.25	11.8021	13.506	3.5234	3.75188	9.00E-01	1.44E+02	3.90E-01	2.15E-01	1.46E+02	8.74E-01	6.09E-04	3.90E-02	4.20E-02	9.55E-01	9.80E-01	1.44E+02	3.90E-01	2.15E-01	1.46E+02
4242	484863.09	3856377.25	14.952	8.32995	2.1426	3.99087	1.14E+00	8.89E+01	2.37E-01	2.28E-01	9.05E+01	1.11E+00	3.76E-04	2.37E-02	4.47E-02	1.18E+00	1.24E+00	8.89E+01	2.37E-01	2.28E-01	9.06E+01
4243	485363.09	3856377.25	22.3771	4.99164	3.096	3.46803	1.71E+00	5.33E+01	3.42E-01	1.98E-01	5.55E+01	1.66E+00	2.25E-04	3.42E-02	3.88E-02	1.73E+00	1.86E+00	5.33E+01	3.42E-01	1.98E-01	5.57E+01
4244	485863.09	3856377.25	55.5956	3.08351	5.2876	3.03049	4.24E+00	3.29E+01	5.85E-01	1.73E-01	3.79E+01	4.12E+00	1.39E-04	5.85E-02	3.39E-02	4.21E+00	4.62E+00	3.29E+01	5.85E-01	1.73E-01	3.83E+01
4245	486363.09	3856377.25	37.1053	1.50647	5.2872	2.85948	2.83E+00	1.61E+01	5.85E-01	1.64E-01	1.97E+01	2.75E+00	6.79E-05	5.85E-02	3.20E-02	2.84E+00	3.08E+00	1.61E+01	5.85E-01	1.64E-01	1.99E+01
4246	486863.09	3856377.25	22.5482	1.42527	3.4019	2.14493	1.72E+00	1.52E+01	3.76E-01	1.23E-01	1.74E+01	1.67E+00	6.42E-05	3.76E-02	2.40E-02	1.73E+00	1.87E+00	1.52E+01	3.76E-01	1.23E-01	1.76E+01
4247	487363.09	3856377.25	18.0117	1.42385	7.3425	1.56568	1.37E+00	1.52E+01	8.12E-01	8.95E-02	1.75E+01	1.33E+00	6.42E-05	8.12E-02	1.75E-02	1.43E+00	1.50E+00	1.52E+01	8.12E-01	8.95E-02	1.76E+01
4248	487863.09	3856377.25	15.1905	1.66393	5.7297	1.07245	1.16E+00	1.78E+01	6.33E-01	6.13E-02	1.96E+01	1.12E+00	7.50E-05	6.33E-02	1.20E-02	1.20E+00	1.26E+00	1.78E+01	6.33E-01	6.13E-02	1.97E+01
4249	488363.09	3856377.25	12.903	1.71065	5.7735	0.88531	9.83E-01	1.83E+01	6.38E-01	5.06E-02	1.99E+01	9.55E-01	7.71E-05	6.38E-02	9.91E-03	1.03E+00	1.07E+00	1.83E+01	6.38E-01	5.06E-02	2.00E+01
4250	488863.09	3856377.25	10.3315	1.6582	6.5646	0.84506	7.87E-01	1.77E+01	7.26E-01	4.83E-02	1.93E+01	7.65E-01	7.47E-05	7.26E-02	9.46E-03	8.47E-01	8.58E-01	1.77E+01	7.26E-01	4.83E-02	1.93E+01
4251	489363.09	3856377.25	8.33965	1.56023	4.7984	0.89094	6.36E-01	1.67E+01	5.31E-01	5.09E-02	1.79E+01	6.17E-01	7.03E-05	5.31E-02	9.97E-03	6.81E-01	6.92E-01	1.67E+01	5.31E-01	5.09E-02	1.79E+01
4252	489863.09	3856377.25	7.21237	1.47945	6.1281	1.09977	5.50E-01	1.58E+01	6.78E-01	6.29E-02	1.71E+01	5.34E-01	6.67E-05	6.78E-02	1.23E-02	6.14E-01	5.99E-01	1.58E+01	6.78E-01	6.29E-02	1.71E+01
4253	490363.09	3856377.25	6.33369	1.35055	4.3119	1.00078	4.83E-01	1.44E+01	4.77E-01	5.72E-02	1.54E+01	4.69E-01	6.09E-05	4.77E-02	1.12E-02	5.28E-01	5.26E-01	1.44E+01	4.77E-01	5.72E-02	1.55E+01
4254	490863.09	3856377.25	5.50277	1.28197	6.5373	0.70033	4.19E-01	1.37E+01	7.23E-01	4.00E-02	1.49E+01	4.07E-01	5.78E-05	7.23E-02	7.84E-03	4.88E-01	4.57E-01	1.37E+01	7.23E-01	4.00E-02	1.49E+01
4255	491363.09	3856377.25	4.77858	1.26753	5.9541	1.06547	3.64E-01	1.35E+01	6.58E-01	6.09E-02	1.46E+01	3.54E-01	5.71E-05	6.58E-02	1.19E-02	4.32E-01	3.97E-01	1.35E+01	6.58E-01	6.09E-02	1.46E+01
4256	491863.09	3856377.25	4.15032	1.21783	8.1933	1.52066	3.16E-01	1.30E+01	9.06E-01	8.70E-02	1.43E+01	3.07E-01	5.49E-05	9.06E-02	1.70E-02	4.15E-01	3.45E-01	1.30E+01	9.06E-01	8.70E-02	1.43E+01
4257	492363.09	3856377.25	3.52186	0.79914	9.9993	1.19329	2.68E-01	8.53E+00	1.11E+00	6.82E-02	9.97E+00	2.61E-01	3.60E-05	1.11E-01	1.34E-02	3.85E-01	2.92E-01	8.53E+00	1.11E+00	6.82E-02	9.99E+00
4258	492863.09	3856377.25	2.5883	0.60281	9.8053	0.77381	1.97E-01	6.43E+00	1.08E+00	4.42E-02	7.76E+00	1.92E-01	2.72E-05	1.08E-01	8.66E-03	3.09E-01	2.15E-01	6.43E+00	1.08E+00	4.42E-02	7.78E+00
4259	493363.09	3856377.25	1.32521	0.44271	3.0549	0.57132	1.01E-01	4.72E+00	3.38E-01	3.27E-02	5.20E+00	9.81E-02	2.00E-05	3.38E-02	6.40E-03	1.38E-01	1.10E-01	4.72E+00	3.38E-01	3.27E-02	5.20E+00
4260	493863.09	3856377.25	1.10263	0.40137	3.2619	0.45549	8.40E-02	4.28E+00	3.61E-01	2.60E-02	4.75E+00	8.16E-02	1.81E-05	3.61E-02	5.10E-03	1.23E-01	9.15E-02	4.28E+00	3.61E-01	2.60E-02	4.76E+00
4261	494363.09	3856377.25	0.89075	0.36181	3.0903	0.44956	6.79E-02	3.86E+00	3.42E-01	2.57E-02	4.30E+00	6.59E-02	1.63E-05	3.42E-02	5.03E-03	1.05E-01	7.40E-02	3.86E+00	3.42E-01	2.57E-02	4.30E+00
4262	494863.09	3856377.25	0.73627	0.33446	2.3653	0.4406	5.61E-02	3.57E+00	2.62E-01	2.52E-02	3.91E+00	5.45E-02	1.51E-05	2.62E-02	4.93E-03	8.56E-02	6.11E-02	3.57E+00	2.62E-01	2.52E-02	3.92E+00
4263	495363.09	3856377.25	0.65648	0.32034	1.8996	0.33058	5.00E-02	3.42E+00	2.10E-01	1.89E-02	3.70E+00	4.86E-02	1.44E-05	2.10E-02	3.70E-03	7.33E-02	5.45E-02	3.42E+00	2.10E-01	1.89E-02	3.70E+00
4264	495863.09	3856377.25	0.63501	0.31596	1.7766	0.31322	4.84E-02	3.37E+00	1.96E-01	1.79E-02	3.63E+00	4.70E-02	1.42E-05	1.96E-02	3.51E-03	7.02E-02	5.27E-02	3.37E+00	1.96E-01	1.79E-02	3.64E+00
4265	496363.09	3856377.25	0.62685	0.3138	1.6741	0.2896	4.78E-02	3.35E+00	1.85E-01	1.66E-02	3.60E+00	4.64E-02	1.41E-05	1.85E-02	3.24E-03	6.82E-02	5.20E-02	3.35E+00	1.85E-01	1.66E-02	3.60E+00
4266	496863.09	3856377.25	0.64142	0.31564	2.1127	0.39712	4.89E-02	3.37E+00	2.34E-01	2.27E-02	3.67E+00	4.75E-02	1.42E-05	2.34E-02	4.45E-03	7.53E-02	5.33E-02	3.37E+00	2.34E-01	2.27E-02	3.68E+00

4267	497363.09	3856377.25	0.6554	0.31782	2.0313	0.39145	5.00E-02	3.39E+00	2.25E-01	2.24E-02	3.69E+00	4.85E-02	1.43E-05	2.25E-02	4.38E-03	7.54E-02	5.44E-02	3.39E+00	2.25E-01	2.24E-02	3.69E+00
4268	497863.09	3856377.25	0.68287	0.32341	1.919	0.38594	5.20E-02	3.45E+00	2.12E-01	2.21E-02	3.74E+00	5.06E-02	1.46E-05	2.12E-02	4.32E-03	7.61E-02	5.67E-02	3.45E+00	2.12E-01	2.21E-02	3.74E+00
4269	498363.09	3856377.25	0.72022	0.33211	1.9238	0.38069	5.49E-02	3.54E+00	2.13E-01	2.18E-02	3.83E+00	5.33E-02	1.50E-05	2.13E-02	4.26E-03	7.89E-02	5.98E-02	3.54E+00	2.13E-01	2.18E-02	3.84E+00
4270	471363.09	3856877.25	0.64563	0.29875	2.3442	0.51627	4.92E-02	3.19E+00	2.59E-01	2.95E-02	3.53E+00	4.78E-02	1.35E-05	2.59E-02	5.78E-03	7.95E-02	5.36E-02	3.19E+00	2.59E-01	2.95E-02	3.53E+00
4271	471863.09	3856877.25	0.67425	0.28407	2.1916	0.4749	5.14E-02	3.03E+00	2.42E-01	2.72E-02	3.35E+00	4.99E-02	1.28E-05	2.42E-02	5.32E-03	7.95E-02	5.60E-02	3.03E+00	2.42E-01	2.72E-02	3.36E+00
4272	472363.09	3856877.25	0.72812	0.3081	2.1751	0.51363	5.55E-02	3.29E+00	2.40E-01	2.94E-02	3.61E+00	5.39E-02	1.39E-05	2.40E-02	5.75E-03	8.37E-02	6.04E-02	3.29E+00	2.40E-01	2.94E-02	3.62E+00
4273	472863.09	3856877.25	0.77641	0.32949	2.1243	0.54304	5.92E-02	3.52E+00	2.35E-01	3.11E-02	3.84E+00	5.75E-02	1.49E-05	2.35E-02	6.08E-03	8.71E-02	6.45E-02	3.52E+00	2.35E-01	3.11E-02	3.85E+00
4274	473363.09	3856877.25	0.84761	0.39184	2.1251	0.66638	6.46E-02	4.18E+00	2.35E-01	3.81E-02	4.52E+00	6.28E-02	1.77E-05	2.35E-02	7.46E-03	9.37E-02	7.04E-02	4.18E+00	2.35E-01	3.81E-02	4.53E+00
4275	473863.09	3856877.25	0.891	0.39798	2.0523	0.66857	6.79E-02	4.25E+00	2.27E-01	3.82E-02	4.58E+00	6.60E-02	1.79E-05	2.27E-02	7.48E-03	9.62E-02	7.40E-02	4.25E+00	2.27E-01	3.82E-02	4.59E+00
4276	474363.09	3856877.25	0.86499	0.33588	2.2728	0.55056	6.59E-02	3.58E+00	2.51E-01	3.15E-02	3.93E+00	6.40E-02	1.51E-05	2.51E-02	6.16E-03	9.53E-02	7.18E-02	3.58E+00	2.51E-01	3.15E-02	3.94E+00
4277	474863.09	3856877.25	0.80255	0.33549	3.9036	0.68254	6.12E-02	3.58E+00	4.32E-01	3.90E-02	4.11E+00	5.94E-02	1.51E-05	4.32E-02	7.64E-03	1.10E-01	6.66E-02	3.58E+00	4.32E-01	3.90E-02	4.12E+00
4278	475363.09	3856877.25	0.65386	0.34787	2.4275	0.42541	4.98E-02	3.71E+00	2.68E-01	2.43E-02	4.05E+00	4.84E-02	1.57E-05	2.68E-02	4.76E-03	8.00E-02	5.43E-02	3.71E+00	2.68E-01	2.43E-02	4.06E+00
4279	475863.09	3856877.25	0.62771	0.3573	2.4879	0.44779	4.78E-02	3.81E+00	2.75E-01	2.56E-02	4.16E+00	4.65E-02	1.61E-05	2.75E-02	5.01E-03	7.90E-02	5.21E-02	3.81E+00	2.75E-01	2.56E-02	4.17E+00
4280	476363.09	3856877.25	0.49052	0.36271	2.1283	0.47259	3.74E-02	3.87E+00	2.35E-01	2.70E-02	4.17E+00	3.63E-02	1.64E-05	2.35E-02	5.29E-03	6.52E-02	4.07E-02	3.87E+00	2.35E-01	2.70E-02	4.17E+00
4281	476863.09	3856877.25	0.4327	0.36319	2.1284	0.49731	3.30E-02	3.88E+00	2.35E-01	2.84E-02	4.17E+00	3.20E-02	1.64E-05	2.35E-02	5.57E-03	6.11E-02	3.59E-02	3.88E+00	2.35E-01	2.84E-02	4.18E+00
4282	477363.09	3856877.25	0.37178	0.35984	2.1168	0.52394	2.83E-02	3.84E+00	2.34E-01	3.00E-02	4.13E+00	2.75E-02	1.62E-05	2.34E-02	5.87E-03	5.68E-02	3.09E-02	3.84E+00	2.34E-01	3.00E-02	4.13E+00
4283	477863.09	3856877.25	0.29546	0.3956	1.3797	0.55807	2.25E-02	4.22E+00	1.53E-01	3.19E-02	4.43E+00	2.19E-02	1.78E-05	1.53E-02	6.25E-03	4.34E-02	2.45E-02	4.22E+00	1.53E-01	3.19E-02	4.43E+00
4284	478363.09	3856877.25	0.37032	0.42001	1.4014	0.58824	2.82E-02	4.48E+00	1.55E-01	3.36E-02	4.70E+00	2.74E-02	1.89E-05	1.55E-02	6.58E-03	4.95E-02	3.07E-02	4.48E+00	1.55E-01	3.36E-02	4.70E+00
4285	478863.09	3856877.25	0.46473	0.42709	1.5543	0.61216	3.54E-02	4.56E+00	1.72E-01	3.50E-02	4.80E+00	3.44E-02	1.93E-05	1.72E-02	6.85E-03	5.85E-02	3.86E-02	4.56E+00	1.72E-01	3.50E-02	4.80E+00
4286	479363.09	3856877.25	0.53749	0.41558	1.7636	0.64009	4.10E-02	4.43E+00	1.95E-01	3.66E-02	4.71E+00	3.98E-02	1.87E-05	1.95E-02	7.17E-03	6.65E-02	4.46E-02	4.43E+00	1.95E-01	3.66E-02	4.71E+00
4287	479863.09	3856877.25	1.27728	0.43522	15.728	2.79783	9.74E-02	4.64E+00	1.74E+00	1.60E-01	6.64E+00	9.46E-02	1.96E-05	1.74E-01	3.13E-02	3.00E-01	1.06E-01	4.64E+00	1.74E+00	1.60E-01	6.65E+00
4288	480363.09	3856877.25	2.18729	0.56667	19.365	4.94746	1.67E-01	6.05E+00	2.14E+00	2.83E-01	8.64E+00	1.62E-01	2.55E-05	2.14E-01	5.54E-02	4.31E-01	1.82E-01	6.05E+00	2.14E+00	2.83E-01	8.65E+00
4289	480863.09	3856877.25	3.61941	0.8753	5.7176	1.48919	2.76E-01	9.34E+00	6.32E-01	8.52E-02	1.03E+01	2.68E-01	3.95E-05	6.32E-02	1.67E-02	3.48E-01	3.00E-01	9.34E+00	6.32E-01	8.52E-02	1.04E+01
4290	481363.09	3856877.25	4.68244	1.55883	2.7916	0.74569	3.57E-01	1.66E+01	3.09E-01	4.26E-02	1.73E+01	3.47E-01	7.03E-05	3.09E-02	8.35E-03	3.86E-01	3.89E-01	1.66E+01	3.09E-01	4.26E-02	1.74E+01
4291	481863.09	3856877.25	5.25916	2.21698	3.0396	0.81854	4.01E-01	2.37E+01	3.36E-01	4.68E-02	2.44E+01	3.89E-01	9.99E-05	3.36E-02	9.16E-03	4.32E-01	4.37E-01	2.37E+01	3.36E-01	4.68E-02	2.45E+01
4292	482363.09	3856877.25	5.20321	5.06627	3.3282	0.84522	3.97E-01	5.41E+01	3.68E-01	4.83E-02	5.49E+01	3.85E-01	2.28E-04	3.68E-02	9.46E-03	4.32E-01	4.32E-01	5.41E+01	3.68E-01	4.83E-02	5.49E+01
4293	482863.09	3856877.25	5.41434	7.12664	3.6575	0.83501	4.13E-01	7.61E+01	4.04E-01	4.77E-02	7.69E+01	4.01E-01	3.21E-04	4.04E-02	9.35E-03	4.51E-01	4.50E-01	7.61E+01	4.04E-01	4.77E-02	7.70E+01
4294	483363.09	3856877.25	5.82	11.587	3.9057	3.26945	4.44E-01	1.24E+02	4.32E-01	1.87E-01	1.25E+02	4.31E-01	5.22E-04	4.32E-02	3.66E-02	5.11E-01	4.83E-01	1.24E+02	4.32E-01	1.87E-01	1.25E+02
4295	483863.09	3856877.25	6.44602	13.9799	4.028	2.52527	4.91E-01	1.49E+02	4.45E-01	1.44E-01	1.50E+02	4.77E-01	6.30E-04	4.45E-02	2.83E-02	5.51E-01	5.35E-01	1.49E+02	4.45E-01	1.44E-01	1.50E+02
4296	484363.09	3856877.25	7.91937	15.1684	4.1871	3.45639	6.04E-01	1.62E+02	4.63E-01	1.98E-01	1.63E+02	5.86E-01	6.84E-04	4.63E-02	3.87E-02	6.72E-01	6.57E-01	1.62E+02	4.63E-01	1.98E-01	1.63E+02
4297	484863.09	3856877.25	9.01172	15.5321	4.0693	5.60268	6.87E-01	1.66E+02	4.50E-01	3.20E-01	1.67E+02	6.67E-01	7.00E-04	4.50E-02	6.27E-02	7.76E-01	7.48E-01	1.66E+02	4.50E-01	3.20E-01	1.67E+02
4298	485363.09	3856877.25	11.8642	10.0888	3.6516	3.08766	9.04E-01	1.08E+02	4.04E-01	1.77E-01	1.09E+02	8.78E-01	4.55E-04	4.04E-02	3.46E-02	9.54E-01	9.85E-01	1.08E+02	4.04E-01	1.77E-01	1.09E+02
4299	485863.09	3856877.25	18.0932	6.33392	2.6704	3.25548	1.38E+00	6.76E+01	2.95E-01	1.86E-01	6.95E+01	1.34E+00	2.86E-04	2.95E-02	3.64E-02	1.41E+00	1.50E+00	6.76E+01	2.95E-01	1.86E-01	6.96E+01
4300	486363.09	3856877.25	50.3742	2.18553	5.4701	3.27748	3.84E+00	2.33E+01	6.05E-01	1.87E-01	2.80E+01	3.73E+00	9.85E-05	6.05E-02	3.67E-02	3.83E+00	4.18E+00	2.33E+01	6.05E-01	1.87E-01	2.83E+01
4301	486863.09	3856877.25	58.2259	2.07759	6.7769	2.30076	4.44E+00	2.22E+01	7.49E-01	1.32E-01	2.75E+01	4.31E+00	9.37E-05	7.49E-02	2.58E-02	4.41E+00	4.83E+00	2.22E+01	7.49E-01	1.32E-01	2.79E+01
4302	487363.09	3856877.25	27.9136	2.17888	5.5282	1.68635	2.13E+00	2.33E+01	6.11E-01	9.64E-02	2.61E+01	2.07E+00	9.82E-05	6.11E-02	1.89E-02	2.15E+00	2.32E+00	2.33E+01	6.11E-01	9.64E-02	2.63E+01
4303	487863.09	3856877.25	15.3356	2.31237	8.6127	1.21415	1.17E+00	2.47E+01	9.52E-01	6.94E-02	2.69E+01	1.14E+00	1.04E-04	9.52E-02	1.36E-02	1.24E+00	1.27E+00	2.47E+01	9.52E-01	6.94E-02	2.70E+01
4304	488363.09	3856877.25	11.5662	2.39314	8.5449	0.8261	8.82E-01	2.55E+01	9.45E-01	4.72E-02	2.74E+01	8.56E-01	1.08E-04	9.45E-02	9.25E-03	9.60E-01	9.60E-01	2.55E+01	9.45E-01	4.72E-02	2.75E+01
4305	488863.09	3856877.25	9.27524	2.28002	7.673	0.82028	7.07E-01	2.43E+01	8.48E-01	4.69E-02	2.59E+01	6.87E-01	1.03E-04	8.48E-02	9.18E-03	7.81E-01	7.70E-01	2.43E+01	8.48E-01	4.69E-02	2.60E+01
4306	489363.09	3856877.25	7.52942	2.31418	6.7616	0.91499	5.74E-01	2.47E+01	7.48E-01	5.23E-02	2.61E+01	5.57E-01	1.04E-04	7.48E-02	1.02E-02	6.43E-01	6.25E-01	2.47E+01	7.48E-01	5.23E-02	2.61E+01
4307	489863.09	3856877.25	6.56508	2.05364	6.0351	0.9065	5.00E-01	2.19E+01	6.67E-01	5.18E-02	2.31E+01	4.86E-01	9.26E-05	6.67E-02	1.01E-02	5.63E-01	5.45E-01	2.19E+01	6.67E-01	5.18E-02	2.32E+01
4308	490363.09	3856877.25	5.73168	1.7997	5.032	0.76446	4.37E-01	1.92E+01	5.56E-01	4.37E-02	2.02E+01	4.24E-01	8.11E-05	5.56E-02	8.56E-03	4.89E-01	4.76E-01	1.92E+01	5.56E-01	4.37E-02	2.03E+01
4309	490863.09	3856877.25	4.95147	1.63251	5.9262	0.87383	3.77E-01	1.74E+01	6.55E-01	5.00E-02	1.85E+01	3.67E-01	7.36E-05	6.55E-02	9.78E-03	4.42E-01	4.11E-01	1.74E+01	6.55E-01	5.00E-02	1.85E+01
4310	491363.09	3856877.25	4.33233	1.48077	5.2626	1.18068	3.30E-01	1.58E+01	5.82E-01	6.75E-02	1.68E+01	3.21E-01	6.68E-05	5.82E-02	1.32E-02	3.92E-01	3.60E-01	1.58E+01	5.82E-01	6.75E-02	1.68E+01
4311	491863.09	3856877.25	3.9881	1.26373	6.502	1.05739	3.04E-01	1.35E+01	7.19E-01	6.05E-02	1.46E+01	2.95E-01	5.70E-05	7.19E-02	1.18E-02	3.79E-01	3.31E-01	1.35E+01	7.19E-01	6.05E-02	1.46E+01
4312	492363.09	3856877.25	3.13366	0.65284	12.679	1.65203	2.39E-01	6.97E+00	1.40E+00	9.45E-02	8.70E+00	2.32E-01	2.94E-05	1.40E-01	1.85E-02	3.91E-01	2.60E-01	6.97E+00	1.40E+00	9.45E-02	8.72E+00
4313	492863.09	3856877.25	1.95615	0.5153	10.4	0.94931	1.49E-01	5.50E+00	1.15E+00	5.43E-02	6.85E+00	1.45E-01	2.32E-05	1.15E-01	1.06E-02	2.70E-01	1.62E-01	5.50E+00	1.15E+00	5.43E-02	6.87E+00
4314	493363.09	3856877.25	1.09291	0.40676	4.0228	0.63843	8.33E-02	4.34E+00	4.45E-01	3.65E-02	4.91E+00	8.09E-02	1.83E-05	4.45E-02	7.15E-03	1.33E-01	9.07E-02	4.34E+00	4.45E-01	3.65E-02	4.91E+00
4315	493863.09	3856877.25	0.62696	0.32756	2.7134	0.49833	4.78E-02	3.50E+00	3.00E-01	2.85E-02	3.87E+00	4.64E-02	1.48E-05	3.00E-02	5.58E-03	8.20E-02	5.21E-02	3.50E+00	3.00E-01	2.85E-02	3.88E+00
4316	494363.09	3856877.25	0.44316	0.27716	2.5294	0.49518	3.38E-02	2.96E+00	2.80E-01	2.83E-02	3.30E+00	3.28E-02	1.25E-05	2.80E-02	5.54E-03	6.63E-02	3.68E-02	2.96E+00	2.80E-01	2.83E-02	3.30E+00
4317	494863.09	3856877.25	0.3976	0.25648	2.4998	0.48365	3.03E-02	2.74E+00	2.76E-01	2.77E-02	3.07E+00	2.94E-02	1.16E-05	2.76E-02	5.41E-03	6.25E-02	3.30E-02	2.74E+00	2.76E-01	2.77E-02	3.07E+00
4318	495363.09	3856877.25	0.36877	0.24526	2.5372	0.34619	2.81E-02	2.62E+00	2.81E-01	1.98E-02	2.95E+00	2.73E-02	1.11E-05	2.81E-02	3.88E-03	5.92E-02	3.06E-02	2.62E+00	2.81E-01	1.98E-02	2.95E+00
4319	495863.09	3856877.25	0.36007	0.24173	2.5399	0.35099	2.74E-02	2.58E+00	2.81E-01	2.01E-02	2.91E+00	2.67E-02	1.09E-05	2.81E-02	3.93E-03	5.87E-02	2.99E-02	2.58E+00	2.81E-01	2.01E-02	2.91E+00
4320	496363.09	3856877.25	0.35493	0.23988	2.5228	0.44466	2.71E-02	2.56E+00	2.79E-01	2.54E-02	2.89E+00	2.63E-02	1.08E-05	2.79E-02	4.98E-03	5.92E-02	2.95E-02	2.56E+00	2.79E-01	2.54E-02	2.89E+00
4321	496863.09	3856877.25	0.35688	0.242	2.4876	0.44097	2.72E-02	2.58E+00	2.75E-01	2.52E-02	2.91E+00	2.64E-02	1.09E-05	2.75E-02	4.94E-03	5.89E-02	2.96E-02	2.58E+00	2.75E-01	2.52E-02	2.91E+00
4322	497363.09	3856877.25	0.37048	0.24804	2.4337	0.43075	2.82E-02	2.65E+00	2.69E-01	2.46E-02	2.97E+00	2.74E-02	1.12E-05	2.69E-02	4.82E-03	5.92E-02	3.08E-02	2.65E+00	2.69E-01	2.46E-02	2.97E+00
4323	497863.09	3856877.25	0.41111	0.26312	2.3601	0.42009	3.13E-02	2.81E+00	2.61E-01	2.40E-02	3.12E+00	3.04E-02	1.19E-05	2.61E-02	4.70E-03	6.12E-02	3.41E-02	2.81E+00	2.61E-01	2.40E-02	3.13E+00
4324	498363.09	3856877.25	0.46774	0.28392	2.2883	0.41	3.57E-02	3.03E+00	2.53E-01	2.34E-02	3.34E+00	3.46E-02	1.28E-05	2.53E-02	4.59E-03	6.45E-02	3.88E-02	3.03E+00	2.53E-01	2.34E-02	3.35E+00
4325	471363.09	3857377.25	0.66033	0.28048	4.5536	0.65115	5.03E-02	2.99E+00	5.03E-01	3.72E-02	3.58E+00	4.89E-02	1.26E-05	5.03E-02	7.29E-03	1.07E-01	5.48E-02	2.99E+00	5.03E-01	3.72E-02	3.59E+00
4326	471863.09	3857377.25	0.68491	0.28005	4.5541	0.64422	5.22E-02	2.99E+00	5.04E-01	3.68E-02	3.58E+00	5.07E-02	1.26E-05	5.04E-02	7.21E-03	1.08E-01	5.69E-02	2.99E+00	5.04E-01	3.68E-02	3.59E+00
4327	472363.09	3857377.25	0.72317	0.2874	4.6992	0.67878	5.51E-02	3.07E+00	5.20E-01	3.88E-02	3.68E+00	5.35E-02	1.30E-05	5.20E-02	7.60E-03	1.13E-01	6.00E-02	3.07E+00	5.20E-01	3.88E-02	3.69E+00

4328	472863.09	3857377.25	0.76522	0.3013	4.8914	0.7287	5.83E-02	3.22E+00	5.41E-01	4.17E-02	3.86E+00	5.67E-02	1.36E-05	5.41E-02	8.16E-03	1.19E-01	6.35E-02	3.22E+00	5.41E-01	4.17E-02	3.86E+00
4329	473363.09	3857377.25	0.81419	0.34383	5.0693	0.82224	6.21E-02	3.67E+00	5.60E-01	4.70E-02	4.34E+00	6.03E-02	1.55E-05	5.60E-02	9.20E-03	1.26E-01	6.76E-02	3.67E+00	5.60E-01	4.70E-02	4.34E+00
4330	473863.09	3857377.25	0.86798	0.41048	5.0755	0.93578	6.62E-02	4.38E+00	5.61E-01	5.35E-02	5.06E+00	6.43E-02	1.85E-05	5.61E-02	1.05E-02	1.31E-01	7.21E-02	4.38E+00	5.61E-01	5.35E-02	5.07E+00
4331	474363.09	3857377.25	0.80679	0.32058	5.086	0.71759	6.15E-02	3.42E+00	5.62E-01	4.10E-02	4.09E+00	5.97E-02	1.45E-05	5.62E-02	8.03E-03	1.24E-01	6.70E-02	3.42E+00	5.62E-01	4.10E-02	4.09E+00
4332	474863.09	3857377.25	0.56646	0.25543	4.0885	0.52553	4.32E-02	2.73E+00	4.52E-01	3.01E-02	3.25E+00	4.19E-02	1.15E-05	4.52E-02	5.88E-03	9.30E-02	4.70E-02	2.73E+00	4.52E-01	3.01E-02	3.26E+00
4333	475363.09	3857377.25	0.39685	0.27466	2.4108	0.49548	3.02E-02	2.93E+00	2.67E-01	2.83E-02	3.26E+00	2.94E-02	1.24E-05	2.67E-02	5.55E-03	6.16E-02	3.29E-02	2.93E+00	2.67E-01	2.83E-02	3.26E+00
4334	475863.09	3857377.25	0.37621	0.29393	2.4816	0.51645	2.87E-02	3.14E+00	2.74E-01	2.95E-02	3.47E+00	2.79E-02	1.32E-05	2.74E-02	5.78E-03	6.11E-02	3.12E-02	3.14E+00	2.74E-01	2.95E-02	3.47E+00
4335	476363.09	3857377.25	0.49583	0.31325	2.573	0.53153	3.78E-02	3.34E+00	2.84E-01	3.04E-02	3.70E+00	3.67E-02	1.41E-05	2.84E-02	5.95E-03	7.11E-02	4.12E-02	3.34E+00	2.84E-01	3.04E-02	3.70E+00
4336	476863.09	3857377.25	0.50777	0.33246	2.6553	0.54992	3.87E-02	3.55E+00	2.94E-01	3.14E-02	3.91E+00	3.76E-02	1.50E-05	2.94E-02	6.16E-03	7.31E-02	4.22E-02	3.55E+00	2.94E-01	3.14E-02	3.92E+00
4337	477363.09	3857377.25	0.46811	0.35097	2.7318	0.57326	3.57E-02	3.75E+00	3.02E-01	3.28E-02	4.12E+00	3.47E-02	1.58E-05	3.02E-02	6.42E-03	7.13E-02	3.89E-02	3.75E+00	3.02E-01	3.28E-02	4.12E+00
4338	477863.09	3857377.25	0.51784	0.36778	1.7748	0.60854	3.95E-02	3.92E+00	1.96E-01	3.48E-02	4.20E+00	3.83E-02	1.66E-05	1.96E-02	6.81E-03	6.48E-02	4.30E-02	3.92E+00	1.96E-01	3.48E-02	4.20E+00
4339	478363.09	3857377.25	0.53703	0.38148	1.8305	0.65463	4.09E-02	4.07E+00	2.02E-01	3.74E-02	4.35E+00	3.98E-02	1.72E-05	2.02E-02	7.33E-03	6.73E-02	4.46E-02	4.07E+00	2.02E-01	3.74E-02	4.36E+00
4340	478863.09	3857377.25	0.53905	0.39027	1.8946	0.70428	4.11E-02	4.16E+00	2.09E-01	4.03E-02	4.46E+00	3.99E-02	1.76E-05	2.09E-02	7.88E-03	6.88E-02	4.48E-02	4.16E+00	2.09E-01	4.03E-02	4.46E+00
4341	479363.09	3857377.25	0.53807	0.39263	1.9564	0.72735	4.10E-02	4.19E+00	2.16E-01	4.16E-02	4.49E+00	3.98E-02	1.77E-05	2.16E-02	8.14E-03	6.96E-02	4.47E-02	4.19E+00	2.16E-01	4.16E-02	4.49E+00
4342	479863.09	3857377.25	1.073	0.40487	3.9525	1.32118	8.18E-02	4.32E+00	4.37E-01	7.55E-02	4.91E+00	7.94E-02	1.83E-05	4.37E-02	1.48E-02	1.38E-01	8.91E-02	4.32E+00	4.37E-01	7.55E-02	4.92E+00
4343	480363.09	3857377.25	0.76659	0.43081	3.2787	0.68317	5.84E-02	4.60E+00	3.62E-01	3.91E-02	5.06E+00	5.68E-02	1.94E-05	3.62E-02	7.65E-03	1.01E-01	6.36E-02	4.60E+00	3.62E-01	3.91E-02	5.06E+00
4344	480863.09	3857377.25	3.0165	1.03611	4.1305	1.76292	2.30E-01	1.11E+01	4.57E-01	1.01E-01	1.18E+01	2.23E-01	4.67E-05	4.57E-02	1.97E-02	2.89E-01	2.50E-01	1.11E+01	4.57E-01	1.01E-01	1.19E+01
4345	481363.09	3857377.25	3.11322	1.02743	3.9559	1.27292	2.37E-01	1.10E+01	4.37E-01	7.28E-02	1.17E+01	2.30E-01	4.63E-05	4.37E-02	1.42E-02	2.89E-01	2.58E-01	1.10E+01	4.37E-01	7.28E-02	1.17E+01
4346	481863.09	3857377.25	3.50352	1.49428	3.5331	0.9622	2.67E-01	1.59E+01	3.91E-01	5.50E-02	1.67E+01	2.59E-01	6.74E-05	3.91E-02	1.08E-02	3.09E-01	2.91E-01	1.59E+01	3.91E-01	5.50E-02	1.67E+01
4347	482363.09	3857377.25	3.66663	3.04585	3.6123	1.04916	2.79E-01	3.25E+01	3.99E-01	6.00E-02	3.32E+01	2.71E-01	1.37E-04	3.99E-02	1.17E-02	3.23E-01	3.04E-01	3.25E+01	3.99E-01	6.00E-02	3.33E+01
4348	482863.09	3857377.25	3.90769	4.27362	3.5884	1.44387	2.98E-01	4.56E+01	3.97E-01	8.26E-02	4.64E+01	2.89E-01	1.93E-04	3.97E-02	1.62E-02	3.45E-01	3.24E-01	4.56E+01	3.97E-01	8.26E-02	4.64E+01
4349	483363.09	3857377.25	4.64959	6.28753	3.5141	1.6496	3.54E-01	6.71E+01	3.89E-01	9.43E-02	6.79E+01	3.44E-01	2.83E-04	3.89E-02	1.85E-02	4.02E-01	3.86E-01	6.71E+01	3.89E-01	9.43E-02	6.80E+01
4350	483863.09	3857377.25	5.94334	8.76192	3.6359	2.75356	4.53E-01	9.35E+01	4.02E-01	1.57E-01	9.45E+01	4.40E-01	3.95E-04	4.02E-02	3.08E-02	5.11E-01	4.93E-01	9.35E+01	4.02E-01	1.57E-01	9.46E+01
4351	484363.09	3857377.25	6.62071	9.46688	4.1616	0.77747	5.05E-01	1.01E+02	4.60E-01	4.45E-02	1.02E+02	4.90E-01	4.27E-04	4.60E-02	8.70E-03	5.45E-01	5.50E-01	1.01E+02	4.60E-01	4.45E-02	1.02E+02
4352	484863.09	3857377.25	7.2771	13.4942	4.7484	1.38524	5.55E-01	1.44E+02	5.25E-01	7.92E-02	1.45E+02	5.39E-01	6.08E-04	5.25E-02	1.55E-02	6.07E-01	6.04E-01	1.44E+02	5.25E-01	7.92E-02	1.45E+02
4353	485363.09	3857377.25	8.19138	16.5341	5.4503	1.32013	6.24E-01	1.76E+02	6.03E-01	7.55E-02	1.78E+02	6.06E-01	7.45E-04	6.03E-02	1.48E-02	6.82E-01	6.80E-01	1.76E+02	6.03E-01	7.55E-02	1.78E+02
4354	485863.09	3857377.25	11.611	11.1897	5.7635	2.74073	8.85E-01	1.19E+02	6.37E-01	1.57E-01	1.21E+02	8.60E-01	5.04E-04	6.37E-02	3.07E-02	9.55E-01	9.64E-01	1.19E+02	6.37E-01	1.57E-01	1.21E+02
4355	486363.09	3857377.25	16.9938	5.34841	5.3529	1.16643	1.30E+00	5.71E+01	5.92E-01	6.67E-02	5.90E+01	1.26E+00	2.41E-04	5.92E-02	1.31E-02	1.33E+00	1.41E+00	5.71E+01	5.92E-01	6.67E-02	5.91E+01
4356	486863.09	3857377.25	23.7133	2.77557	4.3945	1.48379	1.81E+00	2.96E+01	4.86E-01	8.48E-02	3.20E+01	1.76E+00	1.25E-04	4.86E-02	1.66E-02	1.82E+00	1.97E+00	2.96E+01	4.86E-01	8.48E-02	3.22E+01
4357	487363.09	3857377.25	28.2229	2.92263	8.4953	1.52679	2.15E+00	3.12E+01	9.39E-01	8.73E-02	3.44E+01	2.09E+00	1.32E-04	9.39E-02	1.71E-02	2.20E+00	2.34E+00	3.12E+01	9.39E-01	8.73E-02	3.46E+01
4358	487863.09	3857377.25	16.0458	2.82949	11.004	0.95866	1.22E+00	3.02E+01	1.22E+00	5.48E-02	3.27E+01	1.19E+00	1.28E-04	1.22E-01	1.07E-02	1.32E+00	1.33E+00	3.02E+01	1.22E+00	5.48E-02	3.28E+01
4359	488363.09	3857377.25	9.95048	2.90235	7.2901	0.9928	7.58E-01	3.10E+01	8.06E-01	5.68E-02	3.26E+01	7.37E-01	1.31E-04	8.06E-02	1.11E-02	8.29E-01	8.26E-01	3.10E+01	8.06E-01	5.68E-02	3.27E+01
4360	488863.09	3857377.25	7.01277	2.54998	11.699	0.91464	5.35E-01	2.72E+01	1.29E+00	5.23E-02	2.91E+01	5.19E-01	1.15E-04	1.29E-01	1.02E-02	6.59E-01	5.82E-01	2.72E+01	1.29E+00	5.23E-02	2.91E+01
4361	489363.09	3857377.25	6.27293	2.73432	8.6807	0.99913	4.78E-01	2.92E+01	9.60E-01	5.71E-02	3.07E+01	4.64E-01	1.23E-04	9.60E-02	1.12E-02	5.72E-01	5.21E-01	2.92E+01	9.60E-01	5.71E-02	3.07E+01
4362	489863.09	3857377.25	5.56952	2.29687	6.3924	0.76098	4.25E-01	2.45E+01	7.07E-01	4.35E-02	2.57E+01	4.12E-01	1.04E-04	7.07E-02	8.52E-03	4.92E-01	4.62E-01	2.45E+01	7.07E-01	4.35E-02	2.57E+01
4363	490363.09	3857377.25	5.19358	1.98913	6.0207	0.82262	3.96E-01	2.12E+01	6.66E-01	4.70E-02	2.23E+01	3.84E-01	8.97E-05	6.66E-02	9.21E-03	4.60E-01	4.31E-01	2.12E+01	6.66E-01	4.70E-02	2.24E+01
4364	490863.09	3857377.25	4.81076	1.78584	6.4258	0.85069	3.67E-01	1.91E+01	7.10E-01	4.86E-02	2.02E+01	3.56E-01	8.05E-05	7.10E-02	9.52E-03	4.37E-01	3.99E-01	1.91E+01	7.10E-01	4.86E-02	2.02E+01
4365	491363.09	3857377.25	4.41048	1.58179	5.4802	0.86177	3.36E-01	1.69E+01	6.06E-01	4.93E-02	1.79E+01	3.27E-01	7.13E-05	6.06E-02	9.65E-03	3.97E-01	3.66E-01	1.69E+01	6.06E-01	4.93E-02	1.79E+01
4366	491863.09	3857377.25	3.97577	1.22255	7.1972	1.19742	3.03E-01	1.30E+01	7.96E-01	6.85E-02	1.42E+01	2.94E-01	5.51E-05	7.96E-02	1.34E-02	3.87E-01	3.30E-01	1.30E+01	7.96E-01	6.85E-02	1.42E+01
4367	492363.09	3857377.25	2.77574	0.56797	15.221	1.63965	2.12E-01	6.06E+00	1.68E+00	9.38E-02	8.05E+00	2.05E-01	2.56E-05	1.68E-01	1.84E-02	3.92E-01	2.30E-01	6.06E+00	1.68E+00	9.38E-02	8.07E+00
4368	492863.09	3857377.25	1.40238	0.33266	8.678	0.82754	1.07E-01	3.55E+00	9.59E-01	4.73E-02	4.66E+00	1.04E-01	1.50E-05	9.59E-02	9.26E-03	2.09E-01	1.16E-01	3.55E+00	9.59E-01	4.73E-02	4.67E+00
4369	493363.09	3857377.25	0.69022	0.25533	3.6068	0.5555	5.26E-02	2.72E+00	3.99E-01	3.18E-02	3.21E+00	5.11E-02	1.15E-05	3.99E-02	6.22E-03	9.72E-02	5.73E-02	2.72E+00	3.99E-01	3.18E-02	3.21E+00
4370	493863.09	3857377.25	0.58929	0.23283	3.6449	0.49645	4.49E-02	2.48E+00	4.03E-01	2.84E-02	2.96E+00	4.36E-02	1.05E-05	4.03E-02	5.56E-03	8.95E-02	4.89E-02	2.48E+00	4.03E-01	2.84E-02	2.97E+00
4371	494363.09	3857377.25	0.50968	0.19857	3.6601	0.50729	3.88E-02	2.12E+00	4.05E-01	2.90E-02	2.59E+00	3.77E-02	8.95E-06	4.05E-02	5.68E-03	8.39E-02	4.23E-02	2.12E+00	4.05E-01	2.90E-02	2.60E+00
4372	494863.09	3857377.25	0.47815	0.19274	3.5708	0.50792	3.64E-02	2.06E+00	3.95E-01	2.90E-02	2.52E+00	3.54E-02	8.69E-06	3.95E-02	5.69E-03	8.06E-02	3.97E-02	2.06E+00	3.95E-01	2.90E-02	2.52E+00
4373	495363.09	3857377.25	0.35539	0.18993	3.4518	0.5034	2.71E-02	2.03E+00	3.82E-01	2.88E-02	2.46E+00	2.63E-02	8.56E-06	3.82E-02	5.64E-03	7.01E-02	2.95E-02	2.03E+00	3.82E-01	2.88E-02	2.47E+00
4374	495863.09	3857377.25	0.3456	0.19498	3.3076	0.49478	2.63E-02	2.08E+00	3.66E-01	2.83E-02	2.50E+00	2.56E-02	8.79E-06	3.66E-02	5.54E-03	6.77E-02	2.87E-02	2.08E+00	3.66E-01	2.83E-02	2.50E+00
4375	496363.09	3857377.25	0.43504	0.20192	3.1633	0.48292	3.32E-02	2.15E+00	3.50E-01	2.76E-02	2.57E+00	3.22E-02	9.10E-06	3.50E-02	5.41E-03	7.26E-02	3.61E-02	2.15E+00	3.50E-01	2.76E-02	2.57E+00
4376	496863.09	3857377.25	0.42521	0.21088	3.0262	0.46817	3.24E-02	2.25E+00	3.35E-01	2.68E-02	2.64E+00	3.15E-02	9.51E-06	3.35E-02	5.24E-03	7.02E-02	3.53E-02	2.25E+00	3.35E-01	2.68E-02	2.65E+00
4377	497363.09	3857377.25	0.42368	0.2252	2.8777	0.44921	3.23E-02	2.40E+00	3.18E-01	2.57E-02	2.78E+00	3.14E-02	1.02E-05	3.18E-02	5.03E-03	6.82E-02	3.52E-02	2.40E+00	3.18E-01	2.57E-02	2.78E+00
4378	497863.09	3857377.25	0.43332	0.24661	2.7403	0.42762	3.30E-02	2.63E+00	3.03E-01	2.45E-02	2.99E+00	3.21E-02	1.11E-05	3.03E-02	4.79E-03	6.72E-02	3.60E-02	2.63E+00	3.03E-01	2.45E-02	3.00E+00
4379	498363.09	3857377.25	0.57054	0.29685	2.5922	0.41809	4.35E-02	3.17E+00	2.87E-01	2.39E-02	3.52E+00	4.22E-02	1.34E-05	2.87E-02	4.68E-03	7.56E-02	4.74E-02	3.17E+00	2.87E-01	2.39E-02	3.53E+00
4380	471363.09	3857877.25	0.72994	0.3823	3.1854	0.7492	5.56E-02	4.08E+00	3.52E-01	4.28E-02	4.53E+00	5.40E-02	1.72E-05	3.52E-02	8.39E-03	9.77E-02	6.06E-02	4.08E+00	3.52E-01	4.28E-02	4.54E+00
4381	471863.09	3857877.25	0.73384	0.37096	3.2956	0.83205	5.59E-02	3.96E+00	3.64E-01	4.76E-02	4.43E+00	5.43E-02	1.67E-05	3.64E-02	9.31E-03	1.00E-01	6.09E-02	3.96E+00	3.64E-01	4.76E-02	4.43E+00
4382	472363.09	3857877.25	0.74809	0.37748	3.457	0.93871	5.70E-02	4.03E+00	3.82E-01	5.37E-02	4.52E+00	5.54E-02	1.70E-05	3.82E-02	1.05E-02	1.04E-01	6.21E-02	4.03E+00	3.82E-01	5.37E-02	4.53E+00
4383	472863.09	3857877.25	0.77971	0.41873	3.6401	1.0598	5.94E-02	4.47E+00	4.02E-01	6.06E-02	4.99E+00	5.77E-02	1.89E-05	4.02E-02	1.19E-02	1.10E-01	6.47E-02	4.47E+00	4.02E-01	6.06E-02	5.00E+00
4384	473363.09	3857877.25	0.79195	0.42532	3.7992	1.18575	6.04E-02	4.54E+00	4.20E-01	6.78E-02	5.09E+00	5.86E-02	1.92E-05	4.20E-02	1.33E-02	1.14E-01	6.57E-02	4.54E+00	4.20E-01	6.78E-02	5.09E+00
4385	473863.09	3857877.25	0.81503	0.46488	3.8986	1.28305	6.21E-02	4.96E+00	4.31E-01	7.34E-02	5.53E+00	6.03E-02	2.10E-05	4.31E-02	1.44E-02	1.18E-01	6.77E-02	4.96E+00	4.31E-01	7.34E-02	5.53E+00
4386	474363.09	3857877.25	0.77137	0.32105	5.4761	2.38803	5.88E-02	3.43E+00	6.05E-01	1.37E-01	4.23E+00	5.71E-02	1.45E-05	6.05E-02	2.67E-02	1.44E-01	6.40E-02	3.43E+00	6.05E-01	1.37E-01	4.23E+00
4387	474863.09	3857877.25	0.5669	0.24556	2.8325	0.7344	4.32E-02	2.62E+00	3.13E-01	4.20E-02	3.02E+00	4.20E-02	1.11E-05	3.13E-02	8.22E-03	8.15E-02	4.71E-02	2.62E+00	3.13E-01	4.20E-02	3.02E+00
4388	475363.09	3857877.25	0.38754	0.18618	1.4855	0.51838	2.95E-02	1.99E+00	1.64E-01	2.96E-02	2.21E+00	2.87E-02	8.39E-06	1.64E-02	5.80E-03	5.09E-02	3.22E-02	1.99E+00	1.64E-01	2.96E-02	2.21E+00

4389	475863.09	3857877.25	0.44228	0.19741	1.3529	0.46898	3.37E-02	2.11E+00	1.50E-01	2.68E-02	2.32E+00	3.27E-02	8.90E-06	1.50E-02	5.25E-03	5.30E-02	3.67E-02	2.11E+00	1.50E-01	2.68E-02	2.32E+00
4390	476363.09	3857877.25	0.47854	0.21741	1.5816	0.55206	3.65E-02	2.32E+00	1.75E-01	3.16E-02	2.56E+00	3.54E-02	9.80E-06	1.75E-02	6.18E-03	5.91E-02	3.97E-02	2.32E+00	1.75E-01	3.16E-02	2.57E+00
4391	476863.09	3857877.25	0.49038	0.23684	2.2906	0.56573	3.74E-02	2.53E+00	2.53E-01	3.24E-02	2.85E+00	3.63E-02	1.07E-05	2.53E-02	6.33E-03	6.80E-02	4.07E-02	2.53E+00	2.53E-01	3.24E-02	2.85E+00
4392	477363.09	3857877.25	0.48848	0.25588	2.3891	0.58568	3.72E-02	2.73E+00	2.64E-01	3.35E-02	3.07E+00	3.62E-02	1.15E-05	2.64E-02	6.56E-03	6.91E-02	4.06E-02	2.73E+00	2.64E-01	3.35E-02	3.07E+00
4393	477863.09	3857877.25	0.48173	0.27496	2.221	0.60774	3.67E-02	2.93E+00	2.46E-01	3.48E-02	3.25E+00	3.57E-02	1.24E-05	2.46E-02	6.80E-03	6.70E-02	4.00E-02	2.93E+00	2.46E-01	3.48E-02	3.25E+00
4394	478363.09	3857877.25	0.47256	0.29474	1.6726	0.66364	3.60E-02	3.15E+00	1.85E-01	3.79E-02	3.40E+00	3.50E-02	1.33E-05	1.85E-02	7.43E-03	6.09E-02	3.92E-02	3.15E+00	1.85E-01	3.79E-02	3.41E+00
4395	478863.09	3857877.25	0.46306	0.31603	1.7612	0.67182	3.53E-02	3.37E+00	1.95E-01	3.84E-02	3.64E+00	3.43E-02	1.42E-05	1.95E-02	7.52E-03	6.13E-02	3.84E-02	3.37E+00	1.95E-01	3.84E-02	3.64E+00
4396	479363.09	3857877.25	0.99311	0.33955	6.6835	0.8953	7.57E-02	3.62E+00	7.39E-01	5.12E-02	4.49E+00	7.35E-02	1.53E-05	7.39E-02	1.00E-02	1.57E-01	8.24E-02	3.62E+00	7.39E-01	5.12E-02	4.50E+00
4397	479863.09	3857877.25	2.1011	0.69516	8.8551	3.22288	1.60E-01	7.42E+00	9.79E-01	1.84E-01	8.74E+00	1.56E-01	3.13E-05	9.79E-02	3.61E-02	2.90E-01	1.74E-01	7.42E+00	9.79E-01	1.84E-01	8.76E+00
4398	480363.09	3857877.25	2.45692	0.85383	5.9395	1.67134	1.87E-01	9.11E+00	6.57E-01	9.56E-02	1.01E+01	1.82E-01	3.85E-05	6.57E-02	1.87E-02	2.66E-01	2.04E-01	9.11E+00	6.57E-01	9.56E-02	1.01E+01
4399	480863.09	3857877.25	2.57795	1.09354	5.079	0.97135	1.96E-01	1.17E+01	5.62E-01	5.55E-02	1.25E+01	1.91E-01	4.93E-05	5.62E-02	1.09E-02	2.58E-01	2.14E-01	1.17E+01	5.62E-01	5.55E-02	1.25E+01
4400	481363.09	3857877.25	2.82612	1.15977	4.8445	0.93569	2.15E-01	1.24E+01	5.36E-01	5.35E-02	1.32E+01	2.09E-01	5.23E-05	5.36E-02	1.05E-02	2.73E-01	2.35E-01	1.24E+01	5.36E-01	5.35E-02	1.32E+01
4401	481863.09	3857877.25	3.29305	1.43871	3.9122	1.15774	2.51E-01	1.54E+01	4.33E-01	6.62E-02	1.61E+01	2.44E-01	6.49E-05	4.33E-02	1.30E-02	3.00E-01	2.73E-01	1.54E+01	4.33E-01	6.62E-02	1.61E+01
4402	482363.09	3857877.25	3.50505	2.54353	4.2042	1.03639	2.67E-01	2.71E+01	4.65E-01	5.93E-02	2.79E+01	2.59E-01	1.15E-04	4.65E-02	1.16E-02	3.18E-01	2.91E-01	2.71E+01	4.65E-01	5.93E-02	2.80E+01
4403	482863.09	3857877.25	3.64182	3.89949	4.4794	1.3577	2.78E-01	4.16E+01	4.95E-01	7.76E-02	4.25E+01	2.70E-01	1.76E-04	4.95E-02	1.52E-02	3.35E-01	3.02E-01	4.16E+01	4.95E-01	7.76E-02	4.25E+01
4404	483363.09	3857877.25	4.27035	4.20891	4.7895	2.44269	3.25E-01	4.49E+01	5.30E-01	1.40E-01	4.59E+01	3.16E-01	1.90E-04	5.30E-02	2.73E-02	3.97E-01	3.55E-01	4.49E+01	5.30E-01	1.40E-01	4.59E+01
4405	483863.09	3857877.25	5.55407	4.43217	5.1799	0.94188	4.23E-01	4.73E+01	5.73E-01	5.39E-02	4.83E+01	4.11E-01	2.00E-04	5.73E-02	1.05E-02	4.79E-01	4.61E-01	4.73E+01	5.73E-01	5.39E-02	4.84E+01
4406	484363.09	3857877.25	5.84203	6.04074	5.6279	1.66093	4.45E-01	6.45E+01	6.22E-01	9.50E-02	6.56E+01	4.33E-01	2.72E-04	6.22E-02	1.86E-02	5.14E-01	4.85E-01	6.45E+01	6.22E-01	9.50E-02	6.57E+01
4407	484863.09	3857877.25	5.95906	5.41154	6.1747	0.66314	4.54E-01	5.78E+01	6.83E-01	3.79E-02	5.89E+01	4.41E-01	2.44E-04	6.83E-02	7.42E-03	5.17E-01	4.95E-01	5.78E+01	6.83E-01	3.79E-02	5.90E+01
4408	485363.09	3857877.25	6.12983	6.33111	6.7963	0.99094	4.67E-01	6.76E+01	7.51E-01	5.67E-02	6.88E+01	4.54E-01	2.85E-04	7.51E-02	1.11E-02	5.40E-01	5.09E-01	6.76E+01	7.51E-01	5.67E-02	6.89E+01
4409	485863.09	3857877.25	7.26824	8.93693	7.4865	1.29552	5.54E-01	9.54E+01	8.28E-01	7.41E-02	9.68E+01	5.38E-01	4.03E-04	8.28E-02	1.45E-02	6.36E-01	6.03E-01	9.54E+01	8.28E-01	7.41E-02	9.69E+01
4410	486363.09	3857877.25	8.21606	14.7418	8.0094	1.5206	6.26E-01	1.57E+02	8.86E-01	8.70E-02	1.59E+02	6.08E-01	6.65E-04	8.86E-02	1.70E-02	7.15E-01	6.82E-01	1.57E+02	8.86E-01	8.70E-02	1.59E+02
4411	486863.09	3857877.25	9.40053	7.79448	7.5911	1.39	7.17E-01	8.32E+01	8.39E-01	7.95E-02	8.48E+01	6.96E-01	3.51E-04	8.39E-02	1.56E-02	7.96E-01	7.80E-01	8.32E+01	8.39E-01	7.95E-02	8.49E+01
4412	487363.09	3857877.25	13.4137	5.25717	18.63	1.40096	1.02E+00	5.61E+01	2.06E+00	8.01E-02	5.93E+01	9.93E-01	2.37E-04	2.06E-01	1.57E-02	1.21E+00	1.11E+00	5.61E+01	2.06E+00	8.01E-02	5.94E+01
4413	487863.09	3857877.25	13.9603	4.03134	16.964	1.06965	1.06E+00	4.30E+01	1.88E+00	6.12E-02	4.60E+01	1.03E+00	1.82E-04	1.88E-01	1.20E-02	1.23E+00	1.16E+00	4.30E+01	1.88E+00	6.12E-02	4.61E+01
4414	488363.09	3857877.25	8.86054	4.32456	25.529	1.29545	6.75E-01	4.62E+01	2.82E+00	7.41E-02	4.97E+01	6.56E-01	1.95E-04	2.82E-01	1.45E-02	9.53E-01	7.36E-01	4.62E+01	2.82E+00	7.41E-02	4.98E+01
4415	488863.09	3857877.25	9.32507	3.17613	15.492	1.29444	7.11E-01	3.39E+01	1.71E+00	7.40E-02	3.64E+01	6.90E-01	1.43E-04	1.71E-01	1.45E-02	8.76E-01	7.74E-01	3.39E+01	1.71E+00	7.40E-02	3.65E+01
4416	489363.09	3857877.25	7.46565	3.17035	8.8889	1.16833	5.69E-01	3.38E+01	9.83E-01	6.68E-02	3.55E+01	5.53E-01	1.43E-04	9.83E-02	1.31E-02	6.64E-01	6.20E-01	3.38E+01	9.83E-01	6.68E-02	3.55E+01
4417	489863.09	3857877.25	5.67925	2.34824	8.6483	1.18994	4.33E-01	2.51E+01	9.56E-01	6.80E-02	2.65E+01	4.20E-01	1.06E-04	9.56E-02	1.33E-02	5.29E-01	4.71E-01	2.51E+01	9.56E-01	6.80E-02	2.66E+01
4418	490363.09	3857877.25	4.32501	2.09673	8.3119	0.96586	3.30E-01	2.24E+01	9.19E-01	5.52E-02	2.37E+01	3.20E-01	9.45E-05	9.19E-02	1.08E-02	4.23E-01	3.59E-01	2.24E+01	9.19E-01	5.52E-02	2.37E+01
4419	490863.09	3857877.25	4.0943	1.97823	7.4385	0.63769	3.12E-01	2.11E+01	8.22E-01	3.65E-02	2.23E+01	3.03E-01	8.92E-05	8.22E-02	7.14E-03	3.93E-01	3.40E-01	2.11E+01	8.22E-01	3.65E-02	2.23E+01
4420	491363.09	3857877.25	3.89078	1.55147	6.5995	1.20788	2.97E-01	1.66E+01	7.30E-01	6.91E-02	1.77E+01	2.88E-01	6.99E-05	7.30E-02	1.35E-02	3.75E-01	3.23E-01	1.66E+01	7.30E-01	6.91E-02	1.77E+01
4421	491863.09	3857877.25	3.56978	1.04521	8.2372	1.93069	2.72E-01	1.12E+01	9.11E-01	1.10E-01	1.24E+01	2.64E-01	4.71E-05	9.11E-02	2.16E-02	3.77E-01	2.96E-01	1.12E+01	9.11E-01	1.10E-01	1.25E+01
4422	492363.09	3857877.25	2.13212	0.49736	8.4993	0.99491	1.63E-01	5.31E+00	9.40E-01	5.69E-02	6.47E+00	1.58E-01	2.24E-05	9.40E-02	1.11E-02	2.63E-01	1.77E-01	5.31E+00	9.40E-01	5.69E-02	6.48E+00
4423	492863.09	3857877.25	0.9567	0.33505	4.4129	0.56528	7.29E-02	3.58E+00	4.88E-01	3.23E-02	4.17E+00	7.08E-02	1.51E-05	4.88E-02	6.33E-03	1.26E-01	7.94E-02	3.58E+00	4.88E-01	3.23E-02	4.18E+00
4424	493363.09	3857877.25	0.59685	0.31647	4.1675	0.58234	4.55E-02	3.38E+00	4.61E-01	3.33E-02	3.92E+00	4.42E-02	1.43E-05	4.61E-02	6.52E-03	9.68E-02	4.96E-02	3.38E+00	4.61E-01	3.33E-02	3.92E+00
4425	493863.09	3857877.25	0.57584	0.30339	4.0276	0.58988	4.39E-02	3.24E+00	4.45E-01	3.37E-02	3.76E+00	4.26E-02	1.37E-05	4.45E-02	6.60E-03	9.38E-02	4.78E-02	3.24E+00	4.45E-01	3.37E-02	3.76E+00
4426	494363.09	3857877.25	0.56199	0.29136	3.9199	0.58832	4.28E-02	3.11E+00	4.33E-01	3.36E-02	3.62E+00	4.16E-02	1.31E-05	4.33E-02	6.59E-03	9.15E-02	4.67E-02	3.11E+00	4.33E-01	3.36E-02	3.62E+00
4427	494863.09	3857877.25	0.51093	0.28146	3.5424	0.584	3.89E-02	3.00E+00	3.92E-01	3.34E-02	3.47E+00	3.78E-02	1.27E-05	3.92E-02	6.54E-03	8.35E-02	4.24E-02	3.00E+00	3.92E-01	3.34E-02	3.47E+00
4428	495363.09	3857877.25	0.49954	0.28843	3.3683	0.56696	3.81E-02	3.08E+00	3.72E-01	3.24E-02	3.52E+00	3.70E-02	1.30E-05	3.72E-02	6.35E-03	8.06E-02	4.15E-02	3.08E+00	3.72E-01	3.24E-02	3.52E+00
4429	495863.09	3857877.25	0.4864	0.29497	3.2009	0.54387	3.71E-02	3.15E+00	3.54E-01	3.11E-02	3.57E+00	3.60E-02	1.33E-05	3.54E-02	6.09E-03	7.75E-02	4.04E-02	3.15E+00	3.54E-01	3.11E-02	3.57E+00
4430	496363.09	3857877.25	0.49537	0.30933	3.0184	0.51394	3.78E-02	3.30E+00	3.34E-01	2.94E-02	3.70E+00	3.67E-02	1.39E-05	3.34E-02	5.75E-03	7.58E-02	4.11E-02	3.30E+00	3.34E-01	2.94E-02	3.71E+00
4431	496863.09	3857877.25	0.50496	0.32512	2.8638	0.48258	3.85E-02	3.47E+00	3.17E-01	2.76E-02	3.85E+00	3.74E-02	1.47E-05	3.17E-02	5.40E-03	7.45E-02	4.19E-02	3.47E+00	3.17E-01	2.76E-02	3.86E+00
4432	497363.09	3857877.25	0.50856	0.33715	2.7265	0.45017	3.88E-02	3.60E+00	3.01E-01	2.57E-02	3.96E+00	3.77E-02	1.52E-05	3.01E-02	5.04E-03	7.28E-02	4.22E-02	3.60E+00	3.01E-01	2.57E-02	3.97E+00
4433	497863.09	3857877.25	0.58635	0.37645	3.0629	0.44702	4.47E-02	4.02E+00	3.39E-01	2.56E-02	4.43E+00	4.34E-02	1.70E-05	3.39E-02	5.00E-03	8.23E-02	4.87E-02	4.02E+00	3.39E-01	2.56E-02	4.43E+00
4434	498363.09	3857877.25	0.82444	0.42025	2.994	0.46994	6.28E-02	4.48E+00	3.31E-01	2.69E-02	4.91E+00	6.10E-02	1.89E-05	3.31E-02	5.26E-03	9.94E-02	6.84E-02	4.48E+00	3.31E-01	2.69E-02	4.91E+00
4435	471363.09	3858377.25	0.6695	0.48434	1.6479	1.19842	5.10E-02	5.17E+00	1.82E-01	6.85E-02	5.47E+00	4.96E-02	2.18E-05	1.82E-02	1.34E-02	8.12E-02	5.56E-02	5.17E+00	1.82E-01	6.85E-02	5.48E+00
4436	471863.09	3858377.25	0.67956	0.47393	1.6913	1.28779	5.18E-02	5.06E+00	1.87E-01	7.36E-02	5.37E+00	5.03E-02	2.14E-05	1.87E-02	1.44E-02	8.34E-02	5.64E-02	5.06E+00	1.87E-01	7.36E-02	5.37E+00
4437	472363.09	3858377.25	0.70014	0.46401	1.7367	1.35856	5.34E-02	4.95E+00	1.92E-01	7.77E-02	5.27E+00	5.18E-02	2.09E-05	1.92E-02	1.52E-02	8.63E-02	5.81E-02	4.95E+00	1.92E-01	7.77E-02	5.28E+00
4438	472863.09	3858377.25	0.75452	0.49057	1.7852	1.39919	5.75E-02	5.24E+00	1.97E-01	8.00E-02	5.57E+00	5.59E-02	2.21E-05	1.97E-02	1.57E-02	9.13E-02	6.26E-02	5.24E+00	1.97E-01	8.00E-02	5.58E+00
4439	473363.09	3858377.25	0.85209	0.59738	1.8384	1.25273	6.49E-02	6.38E+00	2.03E-01	7.16E-02	6.71E+00	6.31E-02	2.69E-05	2.03E-02	1.40E-02	9.75E-02	7.07E-02	6.38E+00	2.03E-01	7.16E-02	6.72E+00
4440	473863.09	3858377.25	0.90871	0.52393	1.8889	1.38179	6.93E-02	5.59E+00	2.09E-01	7.90E-02	5.95E+00	6.73E-02	2.36E-05	2.09E-02	1.55E-02	1.04E-01	7.54E-02	5.59E+00	2.09E-01	7.90E-02	5.95E+00
4441	474363.09	3858377.25	0.86845	0.32473	1.9388	1.18711	6.62E-02	3.47E+00	2.14E-01	6.79E-02	3.81E+00	6.43E-02	1.46E-05	2.14E-02	1.33E-02	9.90E-02	7.21E-02	3.47E+00	2.14E-01	6.79E-02	3.82E+00
4442	474863.09	3858377.25	0.70352	0.20785	1.9914	0.6846	5.36E-02	2.22E+00	2.20E-01	3.91E-02	2.53E+00	5.21E-02	9.37E-06	2.20E-02	7.66E-03	8.18E-02	5.84E-02	2.22E+00	2.20E-01	3.91E-02	2.54E+00
4443	475363.09	3858377.25	0.43461	0.17609	2.0448	0.52681	3.31E-02	1.88E+00	2.26E-01	3.01E-02	2.17E+00	3.22E-02	7.94E-06	2.26E-02	5.90E-03	6.07E-02	3.61E-02	1.88E+00	2.26E-01	3.01E-02	2.17E+00
4444	475863.09	3858377.25	0.43012	0.18608	2.0934	0.55233	3.28E-02	1.99E+00	2.31E-01	3.16E-02	2.28E+00	3.18E-02	8.39E-06	2.31E-02	6.18E-03	6.12E-02	3.57E-02	1.99E+00	2.31E-01	3.16E-02	2.28E+00
4445	476363.09	3858377.25	0.42214	0.19851	2.1627	0.56407	3.22E-02	2.12E+00	2.39E-01	3.23E-02	2.42E+00	3.13E-02	8.95E-06	2.39E-02	6.31E-03	6.15E-02	3.50E-02	2.12E+00	2.39E-01	3.23E-02	2.42E+00
4446	476863.09	3858377.25	0.41302	0.21107	2.2338	0.57174	3.15E-02	2.25E+00	2.47E-01	3.27E-02	2.56E+00	3.06E-02	9.51E-06	2.47E-02	6.40E-03	6.17E-02	3.43E-02	2.25E+00	2.47E-01	3.27E-02	2.57E+00
4447	477363.09	3858377.25	0.40357	0.22221	2.3028	0.57554	3.08E-02	2.37E+00	2.55E-01	3.29E-02	2.69E+00	2.99E-02	1.00E-05	2.55E-02	6.44E-03	6.18E-02	3.35E-02	2.37E+00	2.55E-01	3.29E-02	2.69E+00
4448	477863.09	3858377.25	0.41231	0.23066	2.3929	0.55026	3.14E-02	2.46E+00	2.65E-01	3.15E-02	2.79E+00	3.05E-02	1.04E-05	2.65E-02	6.16E-03	6.32E-02	3.42E-02	2.46E+00	2.65E-01	3.15E-02	2.79E+00
4449	478363.09	3858377.25	0.42005	0.23476	2.4746	0.54343	3.20E-02	2.51E+00	2.74E-01	3.11E-02	2.84E+00	3.11E-02	1.06E-05	2.74E-02	6.08E-03	6.46E-02	3.49E-02	2.51E+00	2.74E-01	3.11E-02	2.84E+00

4450	478863.09	3858377.25	0.3754	0.23479	2.5294	0.57438	2.86E-02	2.51E+00	2.80E-01	3.28E-02	2.85E+00	2.78E-02	1.06E-05	2.80E-02	6.43E-03	6.22E-02	3.12E-02	2.51E+00	2.80E-01	3.28E-02	2.85E+00
4451	479363.09	3858377.25	0.93089	0.29999	3.6827	1.1579	7.10E-02	3.20E+00	4.07E-01	6.62E-02	3.75E+00	6.89E-02	1.35E-05	4.07E-02	1.30E-02	1.23E-01	7.73E-02	3.20E+00	4.07E-01	6.62E-02	3.75E+00
4452	479863.09	3858377.25	1.97562	0.78782	4.3194	2.18127	1.51E-01	8.41E+00	4.78E-01	1.25E-01	9.16E+00	1.46E-01	3.55E-05	4.78E-02	2.44E-02	2.18E-01	1.64E-01	8.41E+00	4.78E-01	1.25E-01	9.17E+00
4453	480363.09	3858377.25	2.11349	1.26308	3.4098	1.46457	1.61E-01	1.35E+01	3.77E-01	8.37E-02	1.41E+01	1.56E-01	5.69E-05	3.77E-02	1.64E-02	2.11E-01	1.75E-01	1.35E+01	3.77E-01	8.37E-02	1.41E+01
4454	480863.09	3858377.25	2.25769	1.2784	3.5805	0.90835	1.72E-01	1.36E+01	3.96E-01	5.19E-02	1.43E+01	1.67E-01	5.76E-05	3.96E-02	1.02E-02	2.17E-01	1.87E-01	1.36E+01	3.96E-01	5.19E-02	1.43E+01
4455	481363.09	3858377.25	2.41256	1.38873	3.7401	0.79466	1.84E-01	1.48E+01	4.14E-01	4.54E-02	1.55E+01	1.79E-01	6.26E-05	4.14E-02	8.90E-03	2.29E-01	2.00E-01	1.48E+01	4.14E-01	4.54E-02	1.55E+01
4456	481863.09	3858377.25	2.6006	1.49004	4.1968	0.98009	1.98E-01	1.59E+01	4.64E-01	5.60E-02	1.66E+01	1.93E-01	6.72E-05	4.64E-02	1.10E-02	2.50E-01	2.16E-01	1.59E+01	4.64E-01	5.60E-02	1.66E+01
4457	482363.09	3858377.25	3.17694	1.76845	4.3125	1.12415	2.42E-01	1.89E+01	4.77E-01	6.43E-02	1.97E+01	2.35E-01	7.97E-05	4.77E-02	1.26E-02	2.96E-01	2.64E-01	1.89E+01	4.77E-01	6.43E-02	1.97E+01
4458	482863.09	3858377.25	3.78271	2.95636	3.9894	1.86061	2.88E-01	3.15E+01	4.41E-01	1.06E-01	3.24E+01	2.80E-01	1.33E-04	4.41E-02	2.08E-02	3.45E-01	3.14E-01	3.15E+01	4.41E-01	1.06E-01	3.24E+01
4459	483363.09	3858377.25	4.26894	3.95037	3.9095	0.83037	3.25E-01	4.22E+01	4.32E-01	4.75E-02	4.30E+01	3.16E-01	1.78E-04	4.32E-02	9.30E-03	3.69E-01	3.54E-01	4.22E+01	4.32E-01	4.75E-02	4.30E+01
4460	483863.09	3858377.25	4.52448	4.1417	3.4343	0.98717	3.45E-01	4.42E+01	3.80E-01	5.64E-02	4.50E+01	3.35E-01	1.87E-04	3.80E-02	1.11E-02	3.84E-01	3.76E-01	4.42E+01	3.80E-01	5.64E-02	4.50E+01
4461	484363.09	3858377.25	4.72132	4.51562	3.4947	1.0979	3.60E-01	4.82E+01	3.86E-01	6.28E-02	4.90E+01	3.50E-01	2.04E-04	3.86E-02	1.23E-02	4.01E-01	3.92E-01	4.82E+01	3.86E-01	6.28E-02	4.90E+01
4462	484863.09	3858377.25	5.01359	4.97167	4.132	0.85841	3.82E-01	5.31E+01	4.57E-01	4.91E-02	5.39E+01	3.71E-01	2.24E-04	4.57E-02	9.61E-03	4.27E-01	4.16E-01	5.31E+01	4.57E-01	4.91E-02	5.40E+01
4463	485363.09	3858377.25	4.70797	6.39294	4.9787	1.06675	3.59E-01	6.82E+01	5.50E-01	6.10E-02	6.92E+01	3.49E-01	2.88E-04	5.50E-02	1.19E-02	4.16E-01	3.91E-01	6.82E+01	5.50E-01	6.10E-02	6.92E+01
4464	485863.09	3858377.25	4.30244	10.106	5.8198	1.86089	3.28E-01	1.08E+02	6.43E-01	1.06E-01	1.09E+02	3.19E-01	4.56E-04	6.43E-02	2.08E-02	4.04E-01	3.57E-01	1.08E+02	6.43E-01	1.06E-01	1.09E+02
4465	486363.09	3858377.25	6.48112	17.6086	6.0616	4.14058	4.94E-01	1.88E+02	6.70E-01	2.37E-01	1.89E+02	4.80E-01	7.94E-04	6.70E-02	4.64E-02	5.94E-01	5.38E-01	1.88E+02	6.70E-01	2.37E-01	1.89E+02
4466	486863.09	3858377.25	7.02272	15.7201	6.0148	3.63721	5.35E-01	1.68E+02	6.65E-01	2.08E-01	1.69E+02	5.20E-01	7.09E-04	6.65E-02	4.07E-02	6.28E-01	5.83E-01	1.68E+02	6.65E-01	2.08E-01	1.69E+02
4467	487363.09	3858377.25	6.53479	10.7591	6.5148	1.32601	4.98E-01	1.15E+02	7.20E-01	7.58E-02	1.16E+02	4.84E-01	4.85E-04	7.20E-02	1.48E-02	5.71E-01	5.43E-01	1.15E+02	7.20E-01	7.58E-02	1.16E+02
4468	487863.09	3858377.25	8.3101	7.68446	8.7165	1.93848	6.33E-01	8.20E+01	9.64E-01	1.11E-01	8.37E+01	6.15E-01	3.46E-04	9.64E-02	2.17E-02	7.34E-01	6.90E-01	8.20E+01	9.64E-01	1.11E-01	8.38E+01
4469	488363.09	3858377.25	8.83371	6.44333	26.815	1.04559	6.73E-01	6.88E+01	2.96E+00	5.98E-02	7.25E+01	6.54E-01	2.90E-04	2.96E-01	1.17E-02	9.62E-01	7.33E-01	6.88E+01	2.96E+00	5.98E-02	7.25E+01
4470	488863.09	3858377.25	6.7231	4.82025	15.636	1.38125	5.12E-01	5.14E+01	1.73E+00	7.90E-02	5.38E+01	4.98E-01	2.17E-04	1.73E-01	1.55E-02	6.86E-01	5.58E-01	5.14E+01	1.73E+00	7.90E-02	5.38E+01
4471	489363.09	3858377.25	6.90494	4.31573	8.4222	0.90557	5.26E-01	4.61E+01	9.31E-01	5.18E-02	4.76E+01	5.11E-01	1.95E-04	9.31E-02	1.01E-02	6.15E-01	5.73E-01	4.61E+01	9.31E-01	5.18E-02	4.76E+01
4472	489863.09	3858377.25	6.94786	3.92124	7.066	0.93041	5.30E-01	4.18E+01	7.81E-01	5.32E-02	4.32E+01	5.14E-01	1.77E-04	7.81E-02	1.04E-02	6.03E-01	5.77E-01	4.18E+01	7.81E-01	5.32E-02	4.33E+01
4473	490363.09	3858377.25	5.79701	3.47416	6.0287	0.73992	4.42E-01	3.71E+01	6.67E-01	4.23E-02	3.82E+01	4.29E-01	1.57E-04	6.67E-02	8.28E-03	5.04E-01	4.81E-01	3.71E+01	6.67E-01	4.23E-02	3.83E+01
4474	490863.09	3858377.25	4.83967	3.05751	5.1404	0.6973	3.69E-01	3.26E+01	5.68E-01	3.99E-02	3.36E+01	3.58E-01	1.38E-04	5.68E-02	7.81E-03	4.23E-01	4.02E-01	3.26E+01	5.68E-01	3.99E-02	3.36E+01
4475	491363.09	3858377.25	3.52358	1.96678	5.6882	1.11562	2.69E-01	2.10E+01	6.29E-01	6.38E-02	2.20E+01	2.61E-01	8.87E-05	6.29E-02	1.25E-02	3.36E-01	2.93E-01	2.10E+01	6.29E-01	6.38E-02	2.20E+01
4476	491863.09	3858377.25	2.79106	0.83875	18.253	1.66018	2.13E-01	8.95E+00	2.02E+00	9.49E-02	1.13E+01	2.07E-01	3.78E-05	2.02E-01	1.86E-02	4.27E-01	2.32E-01	8.95E+00	2.02E+00	9.49E-02	1.13E+01
4477	492363.09	3858377.25	1.26718	0.51595	9.874	0.67559	9.66E-02	5.51E+00	1.09E+00	3.86E-02	6.73E+00	9.38E-02	2.33E-05	1.09E-01	7.56E-03	2.11E-01	1.05E-01	5.51E+00	1.09E+00	3.86E-02	6.74E+00
4478	492863.09	3858377.25	1.46017	0.55683	14.501	0.8667	1.11E-01	5.94E+00	1.60E+00	4.96E-02	7.71E+00	1.08E-01	2.51E-05	1.60E-01	9.70E-03	2.78E-01	1.21E-01	5.94E+00	1.60E+00	4.96E-02	7.72E+00
4479	493363.09	3858377.25	1.07838	0.51071	5.7676	0.73989	8.22E-02	5.45E+00	6.38E-01	4.23E-02	6.21E+00	7.98E-02	2.30E-05	6.38E-02	8.28E-03	1.52E-01	8.95E-02	5.45E+00	6.38E-01	4.23E-02	6.22E+00
4480	493863.09	3858377.25	0.97594	0.49732	3.706	0.74357	7.44E-02	5.31E+00	4.10E-01	4.25E-02	5.83E+00	7.23E-02	2.24E-05	4.10E-02	8.32E-03	1.22E-01	8.10E-02	5.31E+00	4.10E-01	4.25E-02	5.84E+00
4481	494363.09	3858377.25	0.77679	0.48361	3.4653	0.58047	5.92E-02	5.16E+00	3.83E-01	3.32E-02	5.64E+00	5.75E-02	2.18E-05	3.83E-02	6.50E-03	1.02E-01	6.45E-02	5.16E+00	3.83E-01	3.32E-02	5.64E+00
4482	494863.09	3858377.25	0.62102	0.4766	3.3688	0.55741	4.73E-02	5.09E+00	3.72E-01	3.19E-02	5.54E+00	4.60E-02	2.15E-05	3.72E-02	6.24E-03	8.95E-02	5.16E-02	5.09E+00	3.72E-01	3.19E-02	5.54E+00
4483	495363.09	3858377.25	0.47523	0.46658	2.7161	0.5305	3.62E-02	4.98E+00	3.00E-01	3.03E-02	5.35E+00	3.52E-02	2.10E-05	3.00E-02	5.94E-03	7.12E-02	3.95E-02	4.98E+00	3.00E-01	3.03E-02	5.35E+00
4484	495863.09	3858377.25	0.4572	0.47566	2.5331	0.50981	3.48E-02	5.08E+00	2.80E-01	2.92E-02	5.42E+00	3.38E-02	2.14E-05	2.80E-02	5.71E-03	6.76E-02	3.80E-02	5.08E+00	2.80E-01	2.92E-02	5.42E+00
4485	496363.09	3858377.25	0.47502	0.48187	2.358	0.5113	3.62E-02	5.14E+00	2.61E-01	2.92E-02	5.47E+00	3.52E-02	2.17E-05	2.61E-02	5.72E-03	6.70E-02	3.94E-02	5.14E+00	2.61E-01	2.92E-02	5.47E+00
4486	496863.09	3858377.25	0.57554	0.50127	2.2796	0.5074	4.39E-02	5.35E+00	2.52E-01	2.90E-02	5.67E+00	4.26E-02	2.26E-05	2.52E-02	5.68E-03	7.35E-02	4.78E-02	5.35E+00	2.52E-01	2.90E-02	5.68E+00
4487	497363.09	3858377.25	0.63567	0.51142	2.4753	0.50416	4.85E-02	5.46E+00	2.74E-01	2.88E-02	5.81E+00	4.71E-02	2.31E-05	2.74E-02	5.64E-03	8.01E-02	5.28E-02	5.46E+00	2.74E-01	2.88E-02	5.81E+00
4488	497863.09	3858377.25	0.90441	0.5479	2.629	0.49727	6.89E-02	5.85E+00	2.91E-01	2.84E-02	6.24E+00	6.70E-02	2.47E-05	2.91E-02	5.57E-03	1.02E-01	7.51E-02	5.85E+00	2.91E-01	2.84E-02	6.24E+00
4489	498363.09	3858377.25	1.16157	0.60472	3.56	0.48932	8.85E-02	6.45E+00	3.94E-01	2.80E-02	6.96E+00	8.60E-02	2.73E-05	3.94E-02	5.48E-03	1.31E-01	9.64E-02	6.45E+00	3.94E-01	2.80E-02	6.97E+00
4490	471363.09	3858877.25	0.67904	0.47759	2.2725	1.16817	5.18E-02	5.10E+00	2.51E-01	6.68E-02	5.47E+00	5.03E-02	2.15E-05	2.51E-02	1.31E-02	8.85E-02	5.64E-02	5.10E+00	2.51E-01	6.68E-02	5.47E+00
4491	471863.09	3858877.25	0.68078	0.44881	2.5079	1.14842	5.19E-02	4.79E+00	2.77E-01	6.57E-02	5.18E+00	5.04E-02	2.02E-05	2.77E-02	1.29E-02	9.10E-02	5.65E-02	4.79E+00	2.77E-01	6.57E-02	5.19E+00
4492	472363.09	3858877.25	0.70821	0.47361	2.7335	1.05329	5.40E-02	5.05E+00	3.02E-01	6.02E-02	5.47E+00	5.24E-02	2.13E-05	3.02E-02	1.18E-02	9.45E-02	5.88E-02	5.05E+00	3.02E-01	6.02E-02	5.48E+00
4493	472863.09	3858877.25	0.75228	0.48287	2.9671	0.94527	5.73E-02	5.15E+00	3.28E-01	5.41E-02	5.59E+00	5.57E-02	2.18E-05	3.28E-02	1.06E-02	9.91E-02	6.25E-02	5.15E+00	3.28E-01	5.41E-02	5.60E+00
4494	473363.09	3858877.25	0.80992	0.53792	3.0269	0.76115	6.17E-02	5.74E+00	3.35E-01	4.35E-02	6.18E+00	6.00E-02	2.42E-05	3.35E-02	8.52E-03	1.02E-01	6.72E-02	5.74E+00	3.35E-01	4.35E-02	6.19E+00
4495	473863.09	3858877.25	0.82555	0.49176	3.5221	0.73106	6.29E-02	5.25E+00	3.89E-01	4.18E-02	5.74E+00	6.11E-02	2.22E-05	3.89E-02	8.18E-03	1.08E-01	6.85E-02	5.25E+00	3.89E-01	4.18E-02	5.75E+00
4496	474363.09	3858877.25	0.78954	0.36648	5.1919	1.12156	6.02E-02	3.91E+00	5.74E-01	6.41E-02	4.61E+00	5.85E-02	1.65E-05	5.74E-02	1.26E-02	1.28E-01	6.55E-02	3.91E+00	5.74E-01	6.41E-02	4.61E+00
4497	474863.09	3858877.25	0.41538	0.19468	1.7354	0.52907	3.17E-02	2.08E+00	1.92E-01	3.03E-02	2.33E+00	3.08E-02	8.78E-06	1.92E-02	5.92E-03	5.59E-02	3.45E-02	2.08E+00	1.92E-01	3.03E-02	2.33E+00
4498	475363.09	3858877.25	0.37438	0.20738	1.7357	0.54458	2.85E-02	2.21E+00	1.92E-01	3.11E-02	2.46E+00	2.77E-02	9.35E-06	1.92E-02	6.10E-03	5.30E-02	3.11E-02	2.21E+00	1.92E-01	3.11E-02	2.47E+00
4499	475863.09	3858877.25	0.36801	0.21873	1.7478	0.54269	2.81E-02	2.33E+00	1.93E-01	3.10E-02	2.59E+00	2.72E-02	9.86E-06	1.93E-02	6.08E-03	5.27E-02	3.06E-02	2.33E+00	1.93E-01	3.10E-02	2.59E+00
4500	476363.09	3858877.25	0.3616	0.22653	1.6455	0.55534	2.76E-02	2.42E+00	1.82E-01	3.18E-02	2.66E+00	2.68E-02	1.02E-05	1.82E-02	6.22E-03	5.12E-02	3.00E-02	2.42E+00	1.82E-01	3.18E-02	2.66E+00
4501	476863.09	3858877.25	0.35629	0.23133	1.7299	0.53262	2.72E-02	2.47E+00	1.91E-01	3.05E-02	2.72E+00	2.64E-02	1.04E-05	1.91E-02	5.96E-03	5.15E-02	2.96E-02	2.47E+00	1.91E-01	3.05E-02	2.72E+00
4502	477363.09	3858877.25	0.35147	0.23228	1.7262	0.51566	2.68E-02	2.48E+00	1.91E-01	2.95E-02	2.73E+00	2.60E-02	1.05E-05	1.91E-02	5.77E-03	5.09E-02	2.92E-02	2.48E+00	1.91E-01	2.95E-02	2.73E+00
4503	477863.09	3858877.25	0.34732	0.22882	1.7664	0.55204	2.65E-02	2.44E+00	1.95E-01	3.16E-02	2.70E+00	2.57E-02	1.03E-05	1.95E-02	6.18E-03	5.14E-02	2.88E-02	2.44E+00	1.95E-01	3.16E-02	2.70E+00
4504	478363.09	3858877.25	0.55626	0.26315	4.2407	0.65805	4.24E-02	2.81E+00	4.69E-01	3.76E-02	3.36E+00	4.12E-02	1.19E-05	4.69E-02	7.37E-03	9.54E-02	4.62E-02	2.81E+00	4.69E-01	3.76E-02	3.36E+00
4505	478863.09	3858877.25	0.49824	0.25624	2.5077	0.71136	3.80E-02	2.73E+00	2.77E-01	4.07E-02	3.09E+00	3.69E-02	1.16E-05	2.77E-02	7.96E-03	7.26E-02	4.14E-02	2.73E+00	2.77E-01	4.07E-02	3.09E+00
4506	479363.09	3858877.25	0.42989	0.23972	1.8712	0.71509	3.28E-02	2.56E+00	2.07E-01	4.09E-02	2.84E+00	3.18E-02	1.08E-05	2.07E-02	8.00E-03	6.05E-02	3.57E-02	2.56E+00	2.07E-01	4.09E-02	2.84E+00
4507	479863.09	3858877.25	1.7676	0.94269	5.7712	1.56145	1.35E-01	1.01E+01	6.38E-01	8.93E-02	1.09E+01	1.31E-01	4.25E-05	6.38E-02	1.75E-02	2.12E-01	1.47E-01	1.01E+01	6.38E-01	8.93E-02	1.09E+01
4508	480363.09	3858877.25	1.8773	1.27299	4.3661	1.15809	1.43E-01	1.36E+01	4.83E-01	6.62E-02	1.43E+01	1.39E-01	5.74E-05	4.83E-02	1.30E-02	2.00E-01	1.56E-01	1.36E+01	4.83E-01	6.62E-02	1.43E+01
4509	480863.09	3858877.25	2.02976	1.59857	3.5516	0.80543	1.55E-01	1.71E+01	3.93E-01	4.61E-02	1.77E+01	1.50E-01	7.21E-05	3.93E-02	9.02E-03	1.99E-01	1.69E-01	1.71E+01	3.93E-01	4.61E-02	1.77E+01
4510	481363.09	3858877.25	2.29951	1.95066	2.9456	0.68402	1.75E-01	2.08E+01	3.26E-01	3.91E-02	2.14E+01	1.70E-01	8.79E-05	3.26E-02	7.66E-03	2.11E-01	1.91E-01	2.08E+01	3.26E-01	3.91E-02	2.14E+01

4511	481863.09	3858877.25	2.80355	2.17787	2.8361	0.72944	2.14E-01	2.32E+01	3.14E-01	4.17E-02	2.38E+01	2.08E-01	9.82E-05	3.14E-02	8.17E-03	2.47E-01	2.33E-01	2.32E+01	3.14E-01	4.17E-02	2.38E+01
4512	482363.09	3858877.25	3.16894	2.25755	3.2484	1.30092	2.42E-01	2.41E+01	3.59E-01	7.44E-02	2.48E+01	2.35E-01	1.02E-04	3.59E-02	1.46E-02	2.85E-01	2.63E-01	2.41E+01	3.59E-01	7.44E-02	2.48E+01
4513	482863.09	3858877.25	3.38167	2.50265	3.7105	0.75278	2.58E-01	2.67E+01	4.10E-01	4.30E-02	2.74E+01	2.50E-01	1.13E-04	4.10E-02	8.43E-03	3.00E-01	2.81E-01	2.67E+01	4.10E-01	4.30E-02	2.74E+01
4514	483363.09	3858877.25	3.91487	3.95479	4.1637	0.66515	2.98E-01	4.22E+01	4.60E-01	3.80E-02	4.30E+01	2.90E-01	1.78E-04	4.60E-02	7.45E-03	3.43E-01	3.25E-01	4.22E+01	4.60E-01	3.80E-02	4.30E+01
4515	483863.09	3858877.25	4.11007	4.26718	4.5352	0.84212	3.13E-01	4.55E+01	5.01E-01	4.82E-02	4.64E+01	3.04E-01	1.92E-04	5.01E-02	9.43E-03	3.64E-01	3.41E-01	4.55E+01	5.01E-01	4.82E-02	4.64E+01
4516	484363.09	3858877.25	4.22958	4.8001	4.8717	1.0006	3.22E-01	5.12E+01	5.39E-01	5.72E-02	5.21E+01	3.13E-01	2.16E-04	5.39E-02	1.12E-02	3.78E-01	3.51E-01	5.12E+01	5.39E-01	5.72E-02	5.22E+01
4517	484863.09	3858877.25	3.74576	5.55899	4.9474	1.44664	2.86E-01	5.93E+01	5.47E-01	8.27E-02	6.02E+01	2.77E-01	2.51E-04	5.47E-02	1.62E-02	3.48E-01	3.11E-01	5.93E+01	5.47E-01	8.27E-02	6.03E+01
4518	485363.09	3858877.25	3.33728	7.0578	4.5337	1.48172	2.54E-01	7.53E+01	5.01E-01	8.47E-02	7.62E+01	2.47E-01	3.18E-04	5.01E-02	1.66E-02	3.14E-01	2.77E-01	7.53E+01	5.01E-01	8.47E-02	7.62E+01
4519	485863.09	3858877.25	3.41823	10.6559	6.2357	1.37797	2.61E-01	1.14E+02	6.89E-01	7.88E-02	1.15E+02	2.53E-01	4.80E-04	6.89E-02	1.54E-02	3.38E-01	2.84E-01	1.14E+02	6.89E-01	7.88E-02	1.15E+02
4520	486363.09	3858877.25	4.86107	18.2524	6.0547	1.34016	3.71E-01	1.95E+02	6.69E-01	7.66E-02	1.96E+02	3.60E-01	8.23E-04	6.69E-02	1.50E-02	4.43E-01	4.04E-01	1.95E+02	6.69E-01	7.66E-02	1.96E+02
4521	486863.09	3858877.25	5.85607	17.2421	5.051	1.44414	4.46E-01	1.84E+02	5.58E-01	8.26E-02	1.85E+02	4.34E-01	7.77E-04	5.58E-02	1.62E-02	5.06E-01	4.86E-01	1.84E+02	5.58E-01	8.26E-02	1.85E+02
4522	487363.09	3858877.25	5.34025	16.5535	4.1529	2.54857	4.07E-01	1.77E+02	4.59E-01	1.46E-01	1.78E+02	3.95E-01	7.46E-04	4.59E-02	2.85E-02	4.71E-01	4.43E-01	1.77E+02	4.59E-01	1.46E-01	1.78E+02
4523	487863.09	3858877.25	5.94911	10.2035	2.4345	1.46642	4.53E-01	1.09E+02	2.69E-01	8.39E-02	1.10E+02	4.40E-01	4.60E-04	2.69E-02	1.64E-02	4.84E-01	4.94E-01	1.09E+02	2.69E-01	8.39E-02	1.10E+02
4524	488363.09	3858877.25	6.27397	15.1999	3.1556	2.19426	4.78E-01	1.62E+02	3.49E-01	1.25E-01	1.63E+02	4.64E-01	6.85E-04	3.49E-02	2.46E-02	5.25E-01	5.21E-01	1.62E+02	3.49E-01	1.25E-01	1.63E+02
4525	488863.09	3858877.25	6.87917	11.832	4.7697	1.55703	5.24E-01	1.26E+02	5.27E-01	8.90E-02	1.27E+02	5.09E-01	5.33E-04	5.27E-02	1.74E-02	5.80E-01	5.71E-01	1.26E+02	5.27E-01	8.90E-02	1.27E+02
4526	489363.09	3858877.25	5.70235	8.90924	6.9228	0.96173	4.35E-01	9.51E+01	7.65E-01	5.50E-02	9.63E+01	4.22E-01	4.02E-04	7.65E-02	1.08E-02	5.10E-01	4.73E-01	9.51E+01	7.65E-01	5.50E-02	9.64E+01
4527	489863.09	3858877.25	3.77204	7.10323	6.0603	0.90748	2.88E-01	7.58E+01	6.70E-01	5.19E-02	7.68E+01	2.79E-01	3.20E-04	6.70E-02	1.02E-02	3.57E-01	3.13E-01	7.58E+01	6.70E-01	5.19E-02	7.68E+01
4528	490363.09	3858877.25	5.66841	5.14919	4.416	0.78951	4.32E-01	5.50E+01	4.88E-01	4.51E-02	5.59E+01	4.20E-01	2.32E-04	4.88E-02	8.84E-03	4.78E-01	4.71E-01	5.50E+01	4.88E-01	4.51E-02	5.60E+01
4529	490863.09	3858877.25	5.4314	2.84169	4.6287	0.89724	4.14E-01	3.03E+01	5.12E-01	5.13E-02	3.13E+01	4.02E-01	1.28E-04	5.12E-02	1.00E-02	4.63E-01	4.51E-01	3.03E+01	5.12E-01	5.13E-02	3.13E+01
4530	491363.09	3858877.25	4.7239	1.96617	14.561	1.26863	3.60E-01	2.10E+01	1.61E+00	7.25E-02	2.30E+01	3.50E-01	8.86E-05	1.61E-01	1.42E-02	5.25E-01	3.92E-01	2.10E+01	1.61E+00	7.25E-02	2.31E+01
4531	491863.09	3858877.25	2.77698	0.96254	20.937	1.00637	2.12E-01	1.03E+01	2.31E+00	5.75E-02	1.29E+01	2.06E-01	4.34E-05	2.31E-01	1.13E-02	4.48E-01	2.31E-01	1.03E+01	2.31E+00	5.75E-02	1.29E+01
4532	492363.09	3858877.25	2.658	1.05984	20.845	1.53818	2.03E-01	1.13E+01	2.30E+00	8.80E-02	1.39E+01	1.97E-01	4.78E-05	2.30E-01	1.72E-02	4.45E-01	2.21E-01	1.13E+01	2.30E+00	8.80E-02	1.39E+01
4533	492863.09	3858877.25	2.71073	1.15369	10.071	1.29466	2.07E-01	1.23E+01	1.11E+00	7.40E-02	1.37E+01	2.01E-01	5.20E-05	1.11E-01	1.45E-02	3.27E-01	2.25E-01	1.23E+01	1.11E+00	7.40E-02	1.37E+01
4534	493363.09	3858877.25	2.18166	0.99683	9.3107	1.50973	1.66E-01	1.06E+01	1.03E+00	8.63E-02	1.19E+01	1.62E-01	4.49E-05	1.03E-01	1.69E-02	2.81E-01	1.81E-01	1.06E+01	1.03E+00	8.63E-02	1.19E+01
4535	493863.09	3858877.25	1.42559	0.81537	11.095	0.97502	1.09E-01	8.70E+00	1.23E+00	5.58E-02	1.01E+01	1.06E-01	3.68E-05	1.23E-01	1.09E-02	2.39E-01	1.18E-01	8.70E+00	1.23E+00	5.58E-02	1.01E+01
4536	494363.09	3858877.25	1.29699	0.75071	15.188	0.96259	9.89E-02	8.01E+00	1.68E+00	5.50E-02	9.84E+00	9.60E-02	3.38E-05	1.68E-01	1.08E-02	2.75E-01	1.08E-01	8.01E+00	1.68E+00	5.50E-02	9.85E+00
4537	494863.09	3858877.25	1.09002	0.69159	7.2373	0.56631	8.31E-02	7.38E+00	8.00E-01	3.24E-02	8.30E+00	8.07E-02	3.12E-05	8.00E-02	6.34E-03	1.67E-01	9.05E-02	7.38E+00	8.00E-01	3.24E-02	8.30E+00
4538	495363.09	3858877.25	0.91007	0.64231	4.5614	0.56865	6.94E-02	6.85E+00	5.04E-01	3.25E-02	7.46E+00	6.74E-02	2.90E-05	5.04E-02	6.37E-03	1.24E-01	7.56E-02	6.85E+00	5.04E-01	3.25E-02	7.47E+00
4539	495863.09	3858877.25	0.93396	0.61771	3.9554	0.5643	7.12E-02	6.59E+00	4.37E-01	3.23E-02	7.13E+00	6.91E-02	2.78E-05	4.37E-02	6.32E-03	1.19E-01	7.75E-02	6.59E+00	4.37E-01	3.23E-02	7.14E+00
4540	496363.09	3858877.25	0.98988	0.60888	3.8418	0.55573	7.54E-02	6.50E+00	4.25E-01	3.18E-02	7.03E+00	7.33E-02	2.74E-05	4.25E-02	6.22E-03	1.22E-01	8.22E-02	6.50E+00	4.25E-01	3.18E-02	7.04E+00
4541	496863.09	3858877.25	1.01973	0.60204	3.7315	0.54614	7.77E-02	6.42E+00	4.13E-01	3.12E-02	6.95E+00	7.55E-02	2.71E-05	4.13E-02	6.11E-03	1.23E-01	8.47E-02	6.42E+00	4.13E-01	3.12E-02	6.95E+00
4542	497363.09	3858877.25	1.02736	0.59478	3.5631	0.5361	7.83E-02	6.35E+00	3.94E-01	3.07E-02	6.85E+00	7.61E-02	2.68E-05	3.94E-02	6.00E-03	1.21E-01	8.53E-02	6.35E+00	3.94E-01	3.07E-02	6.86E+00
4543	497863.09	3858877.25	1.39013	0.64531	6.8621	0.52089	1.06E-01	6.89E+00	7.59E-01	2.98E-02	7.78E+00	1.03E-01	2.91E-05	7.59E-02	5.83E-03	1.85E-01	1.15E-01	6.89E+00	7.59E-01	2.98E-02	7.79E+00
4544	498363.09	3858877.25	1.68473	0.70632	9.3227	0.68519	1.28E-01	7.54E+00	1.03E+00	3.92E-02	8.74E+00	1.25E-01	3.18E-05	1.03E-01	7.67E-03	2.36E-01	1.40E-01	7.54E+00	1.03E+00	3.92E-02	8.75E+00
4545	471363.09	3859377.25	0.66403	0.39417	4.3208	0.69657	5.06E-02	4.21E+00	4.78E-01	3.98E-02	4.77E+00	4.92E-02	1.78E-05	4.78E-02	7.80E-03	1.05E-01	5.51E-02	4.21E+00	4.78E-01	3.98E-02	4.78E+00
4546	471863.09	3859377.25	0.70072	0.40547	4.4752	0.62561	5.34E-02	4.33E+00	4.95E-01	3.58E-02	4.91E+00	5.19E-02	1.83E-05	4.95E-02	7.00E-03	1.08E-01	5.82E-02	4.33E+00	4.95E-01	3.58E-02	4.92E+00
4547	472363.09	3859377.25	0.72843	0.45447	4.4209	0.62969	5.55E-02	4.85E+00	4.89E-01	3.60E-02	5.43E+00	5.39E-02	2.05E-05	4.89E-02	7.05E-03	1.10E-01	6.05E-02	4.85E+00	4.89E-01	3.60E-02	5.44E+00
4548	472863.09	3859377.25	0.81381	0.49707	4.3967	0.65116	6.20E-02	5.30E+00	4.86E-01	3.72E-02	5.89E+00	6.02E-02	2.24E-05	4.86E-02	7.29E-03	1.16E-01	6.76E-02	5.30E+00	4.86E-01	3.72E-02	5.90E+00
4549	473363.09	3859377.25	0.94124	0.56613	4.1955	0.62029	7.17E-02	6.04E+00	4.64E-01	3.55E-02	6.61E+00	6.97E-02	2.55E-05	4.64E-02	6.94E-03	1.23E-01	7.81E-02	6.04E+00	4.64E-01	3.55E-02	6.62E+00
4550	473863.09	3859377.25	1.03112	0.57828	4.3693	0.64114	7.86E-02	6.17E+00	4.83E-01	3.67E-02	6.77E+00	7.63E-02	2.61E-05	4.83E-02	7.18E-03	1.32E-01	8.56E-02	6.17E+00	4.83E-01	3.67E-02	6.78E+00
4551	474363.09	3859377.25	0.9575	0.37417	6.5372	0.76678	7.30E-02	3.99E+00	7.23E-01	4.38E-02	4.83E+00	7.09E-02	1.69E-05	7.23E-02	8.58E-03	1.52E-01	7.95E-02	3.99E+00	7.23E-01	4.38E-02	4.84E+00
4552	474863.09	3859377.25	0.68763	0.23732	4.006	0.51526	5.24E-02	2.53E+00	4.43E-01	2.95E-02	3.06E+00	5.09E-02	1.07E-05	4.43E-02	5.77E-03	1.01E-01	5.71E-02	2.53E+00	4.43E-01	2.95E-02	3.06E+00
4553	475363.09	3859377.25	0.38051	0.24115	1.2725	0.51393	2.90E-02	2.57E+00	1.41E-01	2.94E-02	2.77E+00	2.82E-02	1.09E-05	1.41E-02	5.75E-03	4.80E-02	3.16E-02	2.57E+00	1.41E-01	2.94E-02	2.78E+00
4554	475863.09	3859377.25	0.34244	0.2406	1.2693	0.50834	2.61E-02	2.57E+00	1.40E-01	2.91E-02	2.76E+00	2.54E-02	1.08E-05	1.40E-02	5.69E-03	4.51E-02	2.84E-02	2.57E+00	1.40E-01	2.91E-02	2.77E+00
4555	476363.09	3859377.25	0.33968	0.23501	1.2648	0.48917	2.59E-02	2.51E+00	1.40E-01	2.80E-02	2.70E+00	2.51E-02	1.06E-05	1.40E-02	5.48E-03	4.46E-02	2.82E-02	2.51E+00	1.40E-01	2.80E-02	2.70E+00
4556	476863.09	3859377.25	0.33535	0.22375	1.2543	0.50052	2.56E-02	2.39E+00	1.39E-01	2.86E-02	2.58E+00	2.48E-02	1.01E-05	1.39E-02	5.60E-03	4.43E-02	2.78E-02	2.39E+00	1.39E-01	2.86E-02	2.58E+00
4557	477363.09	3859377.25	0.32665	0.20964	1.2456	0.50977	2.49E-02	2.24E+00	1.38E-01	2.92E-02	2.43E+00	2.42E-02	9.45E-06	1.38E-02	5.71E-03	4.37E-02	2.71E-02	2.24E+00	1.38E-01	2.92E-02	2.43E+00
4558	477863.09	3859377.25	0.34126	0.19757	1.3345	0.59658	2.60E-02	2.11E+00	1.48E-01	3.41E-02	2.32E+00	2.53E-02	8.91E-06	1.48E-02	6.68E-03	4.67E-02	2.83E-02	2.11E+00	1.48E-01	3.41E-02	2.32E+00
4559	478363.09	3859377.25	0.44403	0.24812	4.3973	0.70354	3.38E-02	2.65E+00	4.86E-01	4.02E-02	3.21E+00	3.29E-02	1.12E-05	4.86E-02	7.88E-03	8.94E-02	3.69E-02	2.65E+00	4.86E-01	4.02E-02	3.21E+00
4560	478863.09	3859377.25	0.95002	0.31195	17.221	1.00252	7.24E-02	3.33E+00	1.90E+00	5.73E-02	5.36E+00	7.03E-02	1.41E-05	1.90E-01	1.12E-02	2.72E-01	7.89E-02	3.33E+00	1.90E+00	5.73E-02	5.37E+00
4561	479363.09	3859377.25	1.35664	0.43697	19.87	1.80556	1.03E-01	4.66E+00	2.20E+00	1.03E-01	7.07E+00	1.00E-01	1.97E-05	2.20E-01	2.02E-02	3.40E-01	1.13E-01	4.66E+00	2.20E+00	1.03E-01	7.08E+00
4562	479863.09	3859377.25	1.63474	0.68639	11.582	1.0673	1.25E-01	7.32E+00	1.28E+00	6.10E-02	8.79E+00	1.21E-01	3.09E-05	1.28E-01	1.19E-02	2.61E-01	1.36E-01	7.32E+00	1.28E+00	6.10E-02	8.80E+00
4563	480363.09	3859377.25	1.76909	0.99031	3.9388	0.77844	1.35E-01	1.06E+01	4.35E-01	4.45E-02	1.12E+01	1.31E-01	4.46E-05	4.35E-02	8.71E-03	1.83E-01	1.47E-01	1.06E+01	4.35E-01	4.45E-02	1.12E+01
4564	480863.09	3859377.25	2.05581	1.36716	3.094	0.65166	1.57E-01	1.46E+01	3.42E-01	3.73E-02	1.51E+01	1.52E-01	6.16E-05	3.42E-02	7.29E-03	1.94E-01	1.71E-01	1.46E+01	3.42E-01	3.73E-02	1.51E+01
4565	481363.09	3859377.25	2.49278	1.6026	3.3356	0.73707	1.90E-01	1.71E+01	3.69E-01	4.21E-02	1.77E+01	1.85E-01	7.22E-05	3.69E-02	8.25E-03	2.30E-01	2.07E-01	1.71E+01	3.69E-01	4.21E-02	1.77E+01
4566	481863.09	3859377.25	2.68137	1.82971	3.5361	0.77521	2.04E-01	1.95E+01	3.91E-01	4.43E-02	2.02E+01	1.99E-01	8.25E-05	3.91E-02	8.68E-03	2.46E-01	2.23E-01	1.95E+01	3.91E-01	4.43E-02	2.02E+01
4567	482363.09	3859377.25	2.65127	1.99774	4.0511	0.61117	2.02E-01	2.13E+01	4.48E-01	3.49E-02	2.20E+01	1.96E-01	9.01E-05	4.48E-02	6.84E-03	2.48E-01	2.20E-01	2.13E+01	4.48E-01	3.49E-02	2.20E+01
4568	482863.09	3859377.25	3.30884	2.26912	4.1708	0.62849	2.52E-01	2.42E+01	4.61E-01	3.59E-02	2.50E+01	2.45E-01	1.02E-04	4.61E-02	7.04E-03	2.98E-01	2.75E-01	2.42E+01	4.61E-01	3.59E-02	2.50E+01
4569	483363.09	3859377.25	3.87741	2.91777	3.722	0.64764	2.96E-01	3.11E+01	4.12E-01	3.70E-02	3.19E+01	2.87E-01	1.32E-04	4.12E-02	7.25E-03	3.36E-01	3.22E-01	3.11E+01	4.12E-01	3.70E-02	3.19E+01
4570	483863.09	3859377.25	3.62466	3.34375	3.3796	0.73172	2.76E-01	3.57E+01	3.74E-01	4.18E-02	3.64E+01	2.68E-01	1.51E-04	3.74E-02	8.19E-03	3.14E-01	3.01E-01	3.57E+01	3.74E-01	4.18E-02	3.64E+01
4571	484363.09	3859377.25	3.12884	3.6321	4.4476	1.08187	2.38E-01	3.88E+01	4.92E-01	6.19E-02	3.96E+01	2.32E-01	1.64E-04	4.92E-02	1.21E-02	2.93E-01	2.60E-01	3.88E+01	4.92E-01	6.19E-02	3.96E+01

4572	484863.09	3859377.25	2.91399	4.35597	5.3119	1.72534	2.22E-01	4.65E+01	5.87E-01	9.87E-02	4.74E+01	2.16E-01	1.96E-04	5.87E-02	1.93E-02	2.94E-01	2.42E-01	4.65E+01	5.87E-01	9.87E-02	4.74E+01
4573	485363.09	3859377.25	2.96298	5.65712	5.1117	2.27658	2.26E-01	6.04E+01	5.65E-01	1.30E-01	6.13E+01	2.19E-01	2.55E-04	5.65E-02	2.55E-02	3.02E-01	2.46E-01	6.04E+01	5.65E-01	1.30E-01	6.13E+01
4574	485863.09	3859377.25	2.89805	7.79655	3.8738	2.60574	2.21E-01	8.32E+01	4.28E-01	1.49E-01	8.40E+01	2.15E-01	3.51E-04	4.28E-02	2.92E-02	2.87E-01	2.41E-01	8.32E+01	4.28E-01	1.49E-01	8.40E+01
4575	486363.09	3859377.25	3.56021	10.8307	4.5731	2.5492	2.71E-01	1.16E+02	5.06E-01	1.46E-01	1.17E+02	2.64E-01	4.88E-04	5.06E-02	2.85E-02	3.43E-01	2.96E-01	1.16E+02	5.06E-01	1.46E-01	1.17E+02
4576	486863.09	3859377.25	4.87004	16.3578	3.508	3.05093	3.71E-01	1.75E+02	3.88E-01	1.74E-01	1.75E+02	3.61E-01	7.37E-04	3.88E-02	3.42E-02	4.34E-01	4.04E-01	1.75E+02	3.88E-01	1.74E-01	1.76E+02
4577	487363.09	3859377.25	3.98556	17.1174	2.3276	1.99119	3.04E-01	1.83E+02	2.57E-01	1.14E-01	1.83E+02	2.95E-01	7.72E-04	2.57E-02	2.23E-02	3.44E-01	3.31E-01	1.83E+02	2.57E-01	1.14E-01	1.83E+02
4578	487863.09	3859377.25	4.72532	16.2735	2.4556	3.01726	3.60E-01	1.74E+02	2.71E-01	1.73E-01	1.74E+02	3.50E-01	7.34E-04	2.71E-02	3.38E-02	4.11E-01	3.92E-01	1.74E+02	2.71E-01	1.73E-01	1.75E+02
4579	488363.09	3859377.25	4.37952	17.2769	2.7336	18.71009	3.34E-01	1.84E+02	3.02E-01	1.07E+00	1.86E+02	3.24E-01	7.79E-04	3.02E-02	2.09E-01	5.65E-01	3.64E-01	1.84E+02	3.02E-01	1.07E+00	1.86E+02
4580	488863.09	3859377.25	5.05491	15.2415	4.8948	1.67756	3.85E-01	1.63E+02	5.41E-01	9.59E-02	1.64E+02	3.74E-01	6.87E-04	5.41E-02	1.88E-02	4.48E-01	4.20E-01	1.63E+02	5.41E-01	9.59E-02	1.64E+02
4581	489363.09	3859377.25	5.85182	9.13049	3.9225	1.06254	4.46E-01	9.74E+01	4.34E-01	6.08E-02	9.84E+01	4.33E-01	4.12E-04	4.34E-02	1.19E-02	4.89E-01	4.86E-01	9.74E+01	4.34E-01	6.08E-02	9.84E+01
4582	489863.09	3859377.25	4.40067	6.82702	5.8738	0.94863	3.35E-01	7.29E+01	6.49E-01	5.42E-02	7.39E+01	3.26E-01	3.08E-04	6.49E-02	1.06E-02	4.02E-01	3.65E-01	7.29E+01	6.49E-01	5.42E-02	7.39E+01
4583	490363.09	3859377.25	3.63415	5.25769	6.3889	0.90253	2.77E-01	5.61E+01	7.06E-01	5.16E-02	5.71E+01	2.69E-01	2.37E-04	7.06E-02	1.01E-02	3.50E-01	3.02E-01	5.61E+01	7.06E-01	5.16E-02	5.72E+01
4584	490863.09	3859377.25	3.45181	3.01441	5.4061	0.84195	2.63E-01	3.22E+01	5.98E-01	4.81E-02	3.31E+01	2.56E-01	1.36E-04	5.98E-02	9.43E-03	3.25E-01	2.87E-01	3.22E+01	5.98E-01	4.81E-02	3.31E+01
4585	491363.09	3859377.25	5.11679	1.71671	8.0533	1.69987	3.90E-01	1.83E+01	8.90E-01	9.72E-02	1.97E+01	3.79E-01	7.74E-05	8.90E-02	1.90E-02	4.87E-01	4.25E-01	1.83E+01	8.90E-01	9.72E-02	1.97E+01
4586	491863.09	3859377.25	4.64205	1.976	4.6931	1.0368	3.54E-01	2.11E+01	5.19E-01	5.93E-02	2.20E+01	3.44E-01	8.91E-05	5.19E-02	1.16E-02	4.07E-01	3.85E-01	2.11E+01	5.19E-01	5.93E-02	2.21E+01
4587	492363.09	3859377.25	3.89913	1.81774	5.2449	0.98827	2.97E-01	1.94E+01	5.80E-01	5.65E-02	2.03E+01	2.89E-01	8.19E-05	5.80E-02	1.11E-02	3.58E-01	3.24E-01	1.94E+01	5.80E-01	5.65E-02	2.04E+01
4588	492863.09	3859377.25	3.52244	1.75926	6.0104	0.89018	2.68E-01	1.88E+01	6.65E-01	5.09E-02	1.98E+01	2.61E-01	7.93E-05	6.65E-02	9.96E-03	3.37E-01	2.92E-01	1.88E+01	6.65E-01	5.09E-02	1.98E+01
4589	493363.09	3859377.25	2.87519	1.48247	8.0282	0.96615	2.19E-01	1.58E+01	8.88E-01	5.52E-02	1.70E+01	2.13E-01	6.68E-05	8.88E-02	1.08E-02	3.13E-01	2.39E-01	1.58E+01	8.88E-01	5.52E-02	1.70E+01
4590	493863.09	3859377.25	2.64312	1.3977	7.5339	1.0337	2.01E-01	1.49E+01	8.33E-01	5.91E-02	1.60E+01	1.96E-01	6.30E-05	8.33E-02	1.16E-02	2.91E-01	2.19E-01	1.49E+01	8.33E-01	5.91E-02	1.60E+01
4591	494363.09	3859377.25	2.18191	0.98117	10.77	1.09826	1.66E-01	1.05E+01	1.19E+00	6.28E-02	1.19E+01	1.62E-01	4.42E-05	1.19E-01	1.23E-02	2.93E-01	1.81E-01	1.05E+01	1.19E+00	6.28E-02	1.19E+01
4592	494863.09	3859377.25	1.64656	0.78677	13.407	1.1902	1.26E-01	8.40E+00	1.48E+00	6.81E-02	1.01E+01	1.22E-01	3.55E-05	1.48E-01	1.33E-02	2.83E-01	1.37E-01	8.40E+00	1.48E+00	6.81E-02	1.01E+01
4593	495363.09	3859377.25	1.49575	0.73066	11.057	1.13843	1.14E-01	7.80E+00	1.22E+00	6.51E-02	9.20E+00	1.11E-01	3.29E-05	1.22E-01	1.27E-02	2.46E-01	1.24E-01	7.80E+00	1.22E+00	6.51E-02	9.21E+00
4594	495863.09	3859377.25	1.38374	0.6506	7.9243	0.90655	1.05E-01	6.94E+00	8.76E-01	5.18E-02	7.98E+00	1.02E-01	2.93E-05	8.76E-02	1.01E-02	2.00E-01	1.15E-01	6.94E+00	8.76E-01	5.18E-02	7.99E+00
4595	496363.09	3859377.25	1.33164	0.62547	6.0046	0.86051	1.01E-01	6.67E+00	6.64E-01	4.92E-02	7.49E+00	9.86E-02	2.82E-05	6.64E-02	9.63E-03	1.75E-01	1.11E-01	6.67E+00	6.64E-01	4.92E-02	7.50E+00
4596	496863.09	3859377.25	1.05206	0.5547	5.4008	0.63829	8.02E-02	5.92E+00	5.97E-01	3.65E-02	6.63E+00	7.79E-02	2.50E-05	5.97E-02	7.15E-03	1.45E-01	8.73E-02	5.92E+00	5.97E-01	3.65E-02	6.64E+00
4597	497363.09	3859377.25	1.18261	0.5669	7.1433	0.83105	9.01E-02	6.05E+00	7.90E-01	4.75E-02	6.98E+00	8.76E-02	2.56E-05	7.90E-02	9.30E-03	1.76E-01	9.82E-02	6.05E+00	7.90E-01	4.75E-02	6.99E+00
4598	497863.09	3859377.25	1.55517	0.67353	7.7105	1.09072	1.19E-01	7.19E+00	8.52E-01	6.24E-02	8.22E+00	1.15E-01	3.04E-05	8.52E-02	1.22E-02	2.13E-01	1.29E-01	7.19E+00	8.52E-01	6.24E-02	8.23E+00
4599	498363.09	3859377.25	1.74473	0.92794	5.5131	0.93435	1.33E-01	9.90E+00	6.10E-01	5.34E-02	1.07E+01	1.29E-01	4.18E-05	6.10E-02	1.05E-02	2.01E-01	1.45E-01	9.90E+00	6.10E-01	5.34E-02	1.07E+01
4600	471363.09	3859877.25	0.73556	0.3683	3.1008	0.5967	5.61E-02	3.93E+00	3.43E-01	3.41E-02	4.36E+00	5.45E-02	1.66E-05	3.43E-02	6.68E-03	9.54E-02	6.11E-02	3.93E+00	3.43E-01	3.41E-02	4.37E+00
4601	471863.09	3859877.25	0.84053	0.405	2.873	0.55792	6.41E-02	4.32E+00	3.18E-01	3.19E-02	4.74E+00	6.22E-02	1.83E-05	3.18E-02	6.25E-03	1.00E-01	6.98E-02	4.32E+00	3.18E-01	3.19E-02	4.74E+00
4602	472363.09	3859877.25	0.93	0.43378	2.6912	0.51691	7.09E-02	4.63E+00	2.98E-01	2.96E-02	5.03E+00	6.89E-02	1.96E-05	2.98E-02	5.79E-03	1.04E-01	7.72E-02	4.63E+00	2.98E-01	2.96E-02	5.03E+00
4603	472863.09	3859877.25	0.9995	0.48612	2.3435	0.52158	7.62E-02	5.19E+00	2.59E-01	2.98E-02	5.55E+00	7.40E-02	2.19E-05	2.59E-02	5.84E-03	1.06E-01	8.30E-02	5.19E+00	2.59E-01	2.98E-02	5.56E+00
4604	473363.09	3859877.25	1.04176	0.53843	2.0266	0.52171	7.94E-02	5.75E+00	2.24E-01	2.98E-02	6.08E+00	7.71E-02	2.43E-05	2.24E-02	5.84E-03	1.05E-01	8.65E-02	5.75E+00	2.24E-01	2.98E-02	6.09E+00
4605	473863.09	3859877.25	1.06506	0.57565	2.0788	0.55971	8.12E-02	6.14E+00	2.30E-01	3.20E-02	6.49E+00	7.88E-02	2.59E-05	2.30E-02	6.27E-03	1.08E-01	8.84E-02	6.14E+00	2.30E-01	3.20E-02	6.49E+00
4606	474363.09	3859877.25	1.00959	0.48054	9.1008	1.64263	7.70E-02	5.13E+00	1.01E+00	9.39E-02	6.31E+00	7.47E-02	2.17E-05	1.01E-01	1.84E-02	1.94E-01	8.38E-02	5.13E+00	1.01E+00	9.39E-02	6.31E+00
4607	474863.09	3859877.25	0.84247	0.35815	11.667	1.52019	6.42E-02	3.82E+00	1.29E+00	8.69E-02	5.26E+00	6.24E-02	1.61E-05	1.29E-01	1.70E-02	2.08E-01	6.99E-02	3.82E+00	1.29E+00	8.69E-02	5.27E+00
4608	475363.09	3859877.25	0.42798	0.23076	3.0874	0.46828	3.26E-02	2.46E+00	3.41E-01	2.68E-02	2.86E+00	3.17E-02	1.04E-05	3.41E-02	5.24E-03	7.11E-02	3.55E-02	2.46E+00	3.41E-01	2.68E-02	2.87E+00
4609	475863.09	3859877.25	0.31088	0.21696	1.3104	0.45762	2.37E-02	2.32E+00	1.45E-01	2.62E-02	2.51E+00	2.30E-02	9.78E-06	1.45E-02	5.12E-03	4.26E-02	2.58E-02	2.32E+00	1.45E-01	2.62E-02	2.51E+00
4610	476363.09	3859877.25	0.28449	0.20447	1.4431	0.45717	2.17E-02	2.18E+00	1.60E-01	2.61E-02	2.39E+00	2.11E-02	9.22E-06	1.60E-02	5.12E-03	4.21E-02	2.36E-02	2.18E+00	1.60E-01	2.61E-02	2.39E+00
4611	476863.09	3859877.25	0.28758	0.1947	1.5458	0.54216	2.19E-02	2.08E+00	1.71E-01	3.10E-02	2.30E+00	2.13E-02	8.78E-06	1.71E-02	6.07E-03	4.45E-02	2.39E-02	2.08E+00	1.71E-01	3.10E-02	2.30E+00
4612	477363.09	3859877.25	0.28513	0.18582	1.656	0.60665	2.17E-02	1.98E+00	1.83E-01	3.47E-02	2.22E+00	2.11E-02	8.38E-06	1.83E-02	6.79E-03	4.62E-02	2.37E-02	1.98E+00	1.83E-01	3.47E-02	2.22E+00
4613	477863.09	3859877.25	0.36638	0.18066	1.8651	0.75089	2.79E-02	1.93E+00	2.06E-01	4.29E-02	2.21E+00	2.71E-02	8.14E-06	2.06E-02	8.41E-03	5.62E-02	3.04E-02	1.93E+00	2.06E-01	4.29E-02	2.21E+00
4614	478363.09	3859877.25	0.5599	0.23315	5.6865	0.83224	4.27E-02	2.49E+00	6.29E-01	4.76E-02	3.21E+00	4.15E-02	1.05E-05	6.29E-02	9.32E-03	1.14E-01	4.65E-02	2.49E+00	6.29E-01	4.76E-02	3.21E+00
4615	478863.09	3859877.25	0.91873	0.30708	18.162	1.26411	7.00E-02	3.28E+00	2.01E+00	7.23E-02	5.43E+00	6.80E-02	1.38E-05	2.01E-01	1.42E-02	2.83E-01	7.63E-02	3.28E+00	2.01E+00	7.23E-02	5.43E+00
4616	479363.09	3859877.25	1.38814	0.54101	14.499	1.51663	1.06E-01	5.77E+00	1.60E+00	8.67E-02	7.57E+00	1.03E-01	2.44E-05	1.60E-01	1.70E-02	2.80E-01	1.15E-01	5.77E+00	1.60E+00	8.67E-02	7.58E+00
4617	479863.09	3859877.25	1.55962	0.79467	6.0004	1.23908	1.19E-01	8.48E+00	6.63E-01	7.09E-02	9.33E+00	1.15E-01	3.58E-05	6.63E-02	1.39E-02	1.96E-01	1.29E-01	8.48E+00	6.63E-01	7.09E-02	9.34E+00
4618	480363.09	3859877.25	1.84849	1.24143	3.5354	0.60498	1.41E-01	1.32E+01	3.91E-01	3.46E-02	1.38E+01	1.37E-01	5.60E-05	3.91E-02	6.77E-03	1.83E-01	1.53E-01	1.32E+01	3.91E-01	3.46E-02	1.38E+01
4619	480863.09	3859877.25	2.19504	1.61022	3.6725	0.70865	1.67E-01	1.72E+01	4.06E-01	4.05E-02	1.78E+01	1.63E-01	7.26E-05	4.06E-02	7.93E-03	2.11E-01	1.82E-01	1.72E+01	4.06E-01	4.05E-02	1.78E+01
4620	481363.09	3859877.25	2.28993	1.78409	3.4108	0.65375	1.75E-01	1.90E+01	3.77E-01	3.74E-02	1.96E+01	1.70E-01	8.04E-05	3.77E-02	7.32E-03	2.15E-01	1.90E-01	1.90E+01	3.77E-01	3.74E-02	1.96E+01
4621	481863.09	3859877.25	2.18071	1.94731	2.9093	0.59358	1.66E-01	2.08E+01	3.22E-01	3.39E-02	2.13E+01	1.61E-01	8.78E-05	3.22E-02	6.64E-03	2.00E-01	1.81E-01	2.08E+01	3.22E-01	3.39E-02	2.13E+01
4622	482363.09	3859877.25	2.55214	1.98802	2.8829	0.623	1.95E-01	2.12E+01	3.19E-01	3.56E-02	2.18E+01	1.89E-01	8.96E-05	3.19E-02	6.97E-03	2.28E-01	2.12E-01	2.12E+01	3.19E-01	3.56E-02	2.18E+01
4623	482863.09	3859877.25	3.33373	2.03969	3.4268	0.64727	2.54E-01	2.18E+01	3.79E-01	3.70E-02	2.24E+01	2.47E-01	9.19E-05	3.79E-02	7.25E-03	2.92E-01	2.77E-01	2.18E+01	3.79E-01	3.70E-02	2.25E+01
4624	483363.09	3859877.25	3.38204	2.02932	4.1652	0.66775	2.58E-01	2.17E+01	4.61E-01	3.82E-02	2.24E+01	2.50E-01	9.15E-05	4.61E-02	7.48E-03	3.04E-01	2.81E-01	2.17E+01	4.61E-01	3.82E-02	2.24E+01
4625	483863.09	3859877.25	2.75817	2.80638	4.4304	0.75622	2.10E-01	2.99E+01	4.90E-01	4.32E-02	3.07E+01	2.04E-01	1.27E-04	4.90E-02	8.47E-03	2.62E-01	2.29E-01	2.99E+01	4.90E-01	4.32E-02	3.07E+01
4626	484363.09	3859877.25	2.57817	3.2179	4.0956	0.68763	1.97E-01	3.43E+01	4.53E-01	3.93E-02	3.50E+01	1.91E-01	1.45E-04	4.53E-02	7.70E-03	2.44E-01	2.14E-01	3.43E+01	4.53E-01	3.93E-02	3.50E+01
4627	484863.09	3859877.25	2.67567	3.36363	3.4926	0.72522	2.04E-01	3.59E+01	3.86E-01	4.15E-02	3.65E+01	1.98E-01	1.52E-04	3.86E-02	8.12E-03	2.45E-01	2.22E-01	3.59E+01	3.86E-01	4.15E-02	3.65E+01
4628	485363.09	3859877.25	2.35626	4.48195	4.3022	0.77644	1.80E-01	4.78E+01	4.76E-01	4.44E-02	4.85E+01	1.74E-01	2.02E-04	4.76E-02	8.69E-03	2.31E-01	1.96E-01	4.78E+01	4.76E-01	4.44E-02	4.85E+01
4629	485863.09	3859877.25	2.50974	5.34433	4.3054	0.8643	1.91E-01	5.70E+01	4.76E-01	4.94E-02	5.77E+01	1.86E-01	2.41E-04	4.76E-02	9.68E-03	2.43E-01	2.08E-01	5.70E+01	4.76E-01	4.94E-02	5.78E+01
4630	486363.09	3859877.25	2.7597	6.0404	3.8567	1.05396	2.10E-01	6.45E+01	4.26E-01	6.03E-02	6.52E+01	2.04E-01	2.72E-04	4.26E-02	1.18E-02	2.59E-01	2.29E-01	6.45E+01	4.26E-01	6.03E-02	6.52E+01
4631	486863.09	3859877.25	3.97509	7.31768	2.724	1.56179	3.03E-01	7.81E+01	3.01E-01	8.93E-02	7.88E+01	2.94E-01	3.30E-04	3.01E-02	1.75E-02	3.42E-01	3.30E-01	7.81E+01	3.01E-01	8.93E-02	7.88E+01
4632	487363.09	3859877.25	3.86842	9.31645	2.4268	1.34537	2.95E-01	9.94E+01	2.68E-01	7.69E-02	1.00E+02	2.86E-01	4.20E-04	2.68E-02	1.51E-02	3.29E-01	3.21E-01	9.94E+01	2.68E-01	7.69E-02	1.00E+02

4633	487863.09	3859877.25	3.62241	16.8279	5.11	1.7527	2.76E-01	1.80E+02	5.65E-01	1.00E-01	1.81E+02	2.68E-01	7.59E-04	5.65E-02	1.96E-02	3.45E-01	3.01E-01	1.80E+02	5.65E-01	1.00E-01	1.81E+02
4634	488363.09	3859877.25	4.13926	17.2666	3.9237	4.81181	3.15E-01	1.84E+02	4.34E-01	2.75E-01	1.85E+02	3.06E-01	7.78E-04	4.34E-02	5.39E-02	4.04E-01	3.44E-01	1.84E+02	4.34E-01	2.75E-01	1.85E+02
4635	488863.09	3859877.25	4.16307	9.08388	4.284	3.76092	3.17E-01	9.69E+01	4.74E-01	2.15E-01	9.79E+01	3.08E-01	4.09E-04	4.74E-02	4.21E-02	3.98E-01	3.46E-01	9.69E+01	4.74E-01	2.15E-01	9.80E+01
4636	489363.09	3859877.25	4.31952	7.25473	5.683	2.5946	3.29E-01	7.74E+01	6.28E-01	1.48E-01	7.85E+01	3.20E-01	3.27E-04	6.28E-02	2.90E-02	4.12E-01	3.59E-01	7.74E+01	6.28E-01	1.48E-01	7.86E+01
4637	489863.09	3859877.25	5.00327	6.30633	3.7492	1.71875	3.81E-01	6.73E+01	4.15E-01	9.83E-02	6.82E+01	3.70E-01	2.84E-04	4.15E-02	1.92E-02	4.31E-01	4.15E-01	6.73E+01	4.15E-01	9.83E-02	6.82E+01
4638	490363.09	3859877.25	3.37226	5.10138	4.6941	1.17735	2.57E-01	5.44E+01	5.19E-01	6.73E-02	5.53E+01	2.50E-01	2.30E-04	5.19E-02	1.32E-02	3.15E-01	2.80E-01	5.44E+01	5.19E-01	6.73E-02	5.53E+01
4639	490863.09	3859877.25	3.39199	4.38766	4.7051	0.89171	2.59E-01	4.68E+01	5.20E-01	5.10E-02	4.77E+01	2.51E-01	1.98E-04	5.20E-02	9.98E-03	3.13E-01	2.82E-01	4.68E+01	5.20E-01	5.10E-02	4.77E+01
4640	491363.09	3859877.25	2.38717	3.99877	5.3312	0.91291	1.82E-01	4.27E+01	5.89E-01	5.22E-02	4.35E+01	1.77E-01	1.80E-04	5.89E-02	1.02E-02	2.46E-01	1.98E-01	4.27E+01	5.89E-01	5.22E-02	4.35E+01
4641	491863.09	3859877.25	3.14991	3.50328	4.7954	0.92019	2.40E-01	3.74E+01	5.30E-01	5.26E-02	3.82E+01	2.33E-01	1.58E-04	5.30E-02	1.03E-02	2.97E-01	2.62E-01	3.74E+01	5.30E-01	5.26E-02	3.82E+01
4642	492363.09	3859877.25	3.83109	2.97964	4.1015	0.90218	2.92E-01	3.18E+01	4.53E-01	5.16E-02	3.26E+01	2.84E-01	1.34E-04	4.53E-02	1.01E-02	3.39E-01	3.18E-01	3.18E+01	4.53E-01	5.16E-02	3.26E+01
4643	492863.09	3859877.25	3.46283	2.3359	4.4059	0.87566	2.64E-01	2.49E+01	4.87E-01	5.01E-02	2.57E+01	2.56E-01	1.05E-04	4.87E-02	9.80E-03	3.15E-01	2.87E-01	2.49E+01	4.87E-01	5.01E-02	2.58E+01
4644	493363.09	3859877.25	2.93849	2.00646	4.0888	0.85365	2.24E-01	2.14E+01	4.52E-01	4.88E-02	2.21E+01	2.18E-01	9.04E-05	4.52E-02	9.56E-03	2.72E-01	2.44E-01	2.14E+01	4.52E-01	4.88E-02	2.22E+01
4645	493863.09	3859877.25	2.78601	1.76289	3.7538	0.83167	2.12E-01	1.88E+01	4.15E-01	4.76E-02	1.95E+01	2.06E-01	7.95E-05	4.15E-02	9.31E-03	2.57E-01	2.31E-01	1.88E+01	4.15E-01	4.76E-02	1.95E+01
4646	494363.09	3859877.25	2.55398	1.44315	4.9592	0.80785	1.95E-01	1.54E+01	5.48E-01	4.62E-02	1.62E+01	1.89E-01	6.51E-05	5.48E-02	9.04E-03	2.53E-01	2.12E-01	1.54E+01	5.48E-01	4.62E-02	1.62E+01
4647	494863.09	3859877.25	2.43557	1.31734	4.9655	0.82343	1.86E-01	1.41E+01	5.49E-01	4.71E-02	1.48E+01	1.80E-01	5.94E-05	5.49E-02	9.22E-03	2.44E-01	2.02E-01	1.41E+01	5.49E-01	4.71E-02	1.49E+01
4648	495363.09	3859877.25	2.20855	1.15771	5.0003	1.0183	1.68E-01	1.24E+01	5.53E-01	5.82E-02	1.31E+01	1.64E-01	5.22E-05	5.53E-02	1.14E-02	2.30E-01	1.83E-01	1.24E+01	5.53E-01	5.82E-02	1.31E+01
4649	495863.09	3859877.25	1.82617	1.0718	6.151	1.17542	1.39E-01	1.14E+01	6.80E-01	6.72E-02	1.23E+01	1.35E-01	4.83E-05	6.80E-02	1.32E-02	2.16E-01	1.52E-01	1.14E+01	6.80E-01	6.72E-02	1.23E+01
4650	496363.09	3859877.25	1.55654	0.69048	10.398	1.14053	1.19E-01	7.37E+00	1.15E+00	6.52E-02	8.70E+00	1.15E-01	3.11E-05	1.15E-01	1.28E-02	2.43E-01	1.29E-01	7.37E+00	1.15E+00	6.52E-02	8.71E+00
4651	496863.09	3859877.25	1.0079	0.51746	6.0173	0.70869	7.68E-02	5.52E+00	6.65E-01	4.05E-02	6.30E+00	7.46E-02	2.33E-05	6.65E-02	7.93E-03	1.49E-01	8.37E-02	5.52E+00	6.65E-01	4.05E-02	6.31E+00
4652	497363.09	3859877.25	1.36872	0.59841	10.24	1.08058	1.04E-01	6.39E+00	1.13E+00	6.18E-02	7.68E+00	1.01E-01	2.70E-05	1.13E-01	1.21E-02	2.27E-01	1.14E-01	6.39E+00	1.13E+00	6.18E-02	7.69E+00
4653	497863.09	3859877.25	1.42235	0.91494	4.911	1.00581	1.08E-01	9.76E+00	5.43E-01	5.75E-02	1.05E+01	1.05E-01	4.12E-05	5.43E-02	1.13E-02	1.71E-01	1.18E-01	9.76E+00	5.43E-01	5.75E-02	1.05E+01
4654	498363.09	3859877.25	1.1968	0.97617	3.2567	0.67588	9.12E-02	1.04E+01	3.60E-01	3.86E-02	1.09E+01	8.86E-02	4.40E-05	3.60E-02	7.57E-03	1.32E-01	9.94E-02	1.04E+01	3.60E-01	3.86E-02	1.09E+01
4655	471363.09	3860377.25	0.91498	0.41097	2.455	0.51411	6.97E-02	4.39E+00	2.71E-01	2.94E-02	4.76E+00	6.77E-02	1.85E-05	2.71E-02	5.76E-03	1.01E-01	7.60E-02	4.39E+00	2.71E-01	2.94E-02	4.76E+00
4656	471863.09	3860377.25	0.95508	0.43907	2.616	0.51364	7.28E-02	4.69E+00	2.89E-01	2.94E-02	5.08E+00	7.07E-02	1.98E-05	2.89E-02	5.75E-03	1.05E-01	7.93E-02	4.69E+00	2.89E-01	2.94E-02	5.08E+00
4657	472363.09	3860377.25	0.97892	0.47705	2.5092	0.51079	7.46E-02	5.09E+00	2.77E-01	2.92E-02	5.47E+00	7.25E-02	2.15E-05	2.77E-02	5.72E-03	1.06E-01	8.13E-02	5.09E+00	2.77E-01	2.92E-02	5.48E+00
4658	472863.09	3860377.25	0.99079	0.51721	2.1869	0.53524	7.55E-02	5.52E+00	2.42E-01	3.06E-02	5.87E+00	7.34E-02	2.33E-05	2.42E-02	5.99E-03	1.04E-01	8.23E-02	5.52E+00	2.42E-01	3.06E-02	5.87E+00
4659	473363.09	3860377.25	0.98948	0.56039	2.0983	0.52087	7.54E-02	5.98E+00	2.32E-01	2.98E-02	6.32E+00	7.33E-02	2.53E-05	2.32E-02	5.83E-03	1.02E-01	8.21E-02	5.98E+00	2.32E-01	2.98E-02	6.32E+00
4660	473863.09	3860377.25	0.98702	0.59574	2.4329	0.61693	7.52E-02	6.36E+00	2.69E-01	3.53E-02	6.74E+00	7.31E-02	2.69E-05	2.69E-02	6.91E-03	1.07E-01	8.19E-02	6.36E+00	2.69E-01	3.53E-02	6.74E+00
4661	474363.09	3860377.25	1.13324	0.57172	4.256	0.91144	8.64E-02	6.10E+00	4.71E-01	5.21E-02	6.71E+00	8.39E-02	2.58E-05	4.71E-02	1.02E-02	1.41E-01	9.41E-02	6.10E+00	4.71E-01	5.21E-02	6.72E+00
4662	474863.09	3860377.25	1.15548	0.48295	12.824	1.88431	8.81E-02	5.15E+00	1.42E+00	1.08E-01	6.77E+00	8.55E-02	2.18E-05	1.42E-01	2.11E-02	2.48E-01	9.59E-02	5.15E+00	1.42E+00	1.08E-01	6.78E+00
4663	475363.09	3860377.25	0.99352	0.34113	16.374	1.30587	7.57E-02	3.64E+00	1.81E+00	7.47E-02	5.60E+00	7.36E-02	1.54E-05	1.81E-01	1.46E-02	2.69E-01	8.25E-02	3.64E+00	1.81E+00	7.47E-02	5.61E+00
4664	475863.09	3860377.25	0.73441	0.2546	11.089	0.53984	5.60E-02	2.72E+00	1.23E+00	3.09E-02	4.03E+00	5.44E-02	1.15E-05	1.23E-01	6.04E-03	1.83E-01	6.10E-02	2.72E+00	1.23E+00	3.09E-02	4.03E+00
4665	476363.09	3860377.25	0.44989	0.18373	4.2212	0.6021	3.43E-02	1.96E+00	4.67E-01	3.44E-02	2.50E+00	3.33E-02	8.28E-06	4.67E-02	6.74E-03	8.67E-02	3.74E-02	1.96E+00	4.67E-01	3.44E-02	2.50E+00
4666	476863.09	3860377.25	0.392	0.17988	2.8405	0.67374	2.99E-02	1.92E+00	3.14E-01	3.85E-02	2.30E+00	2.90E-02	8.11E-06	3.14E-02	7.54E-03	6.80E-02	3.25E-02	1.92E+00	3.14E-01	3.85E-02	2.30E+00
4667	477363.09	3860377.25	0.35476	0.1713	1.7407	0.65256	2.70E-02	1.83E+00	1.92E-01	3.73E-02	2.08E+00	2.63E-02	7.72E-06	1.92E-02	7.30E-03	5.28E-02	2.95E-02	1.83E+00	1.92E-01	3.73E-02	2.09E+00
4668	477863.09	3860377.25	0.37329	0.18936	2.312	0.77556	2.85E-02	2.02E+00	2.56E-01	4.43E-02	2.35E+00	2.76E-02	8.54E-06	2.56E-02	8.68E-03	6.19E-02	3.10E-02	2.02E+00	2.56E-01	4.43E-02	2.35E+00
4669	478363.09	3860377.25	0.5434	0.26801	4.0392	0.76992	4.14E-02	2.86E+00	4.47E-01	4.40E-02	3.39E+00	4.02E-02	1.21E-05	4.47E-02	8.62E-03	9.35E-02	4.51E-02	2.86E+00	4.47E-01	4.40E-02	3.40E+00
4670	478863.09	3860377.25	0.90581	0.35088	5.9168	0.71574	6.90E-02	3.74E+00	6.54E-01	4.09E-02	4.51E+00	6.71E-02	1.58E-05	6.54E-02	8.01E-03	1.41E-01	7.52E-02	3.74E+00	6.54E-01	4.09E-02	4.51E+00
4671	479363.09	3860377.25	1.38339	0.5432	6.6487	1.05784	1.05E-01	5.80E+00	7.35E-01	6.05E-02	6.70E+00	1.02E-01	2.45E-05	7.35E-02	1.18E-02	1.88E-01	1.15E-01	5.80E+00	7.35E-01	6.05E-02	6.71E+00
4672	479863.09	3860377.25	1.63776	0.84691	4.2989	0.71949	1.25E-01	9.04E+00	4.75E-01	4.11E-02	9.68E+00	1.21E-01	3.82E-05	4.75E-02	8.05E-03	1.77E-01	1.36E-01	9.04E+00	4.75E-01	4.11E-02	9.69E+00
4673	480363.09	3860377.25	1.86053	1.06075	2.4954	0.66091	1.42E-01	1.13E+01	2.76E-01	3.78E-02	1.18E+01	1.38E-01	4.78E-05	2.76E-02	7.40E-03	1.73E-01	1.54E-01	1.13E+01	2.76E-01	3.78E-02	1.18E+01
4674	480863.09	3860377.25	1.89519	1.1852	2.4957	0.64461	1.44E-01	1.26E+01	2.76E-01	3.69E-02	1.31E+01	1.40E-01	5.34E-05	2.76E-02	7.22E-03	1.75E-01	1.57E-01	1.26E+01	2.76E-01	3.69E-02	1.31E+01
4675	481363.09	3860377.25	1.88117	1.38866	2.7251	0.64308	1.43E-01	1.48E+01	3.01E-01	3.68E-02	1.53E+01	1.39E-01	6.26E-05	3.01E-02	7.20E-03	1.77E-01	1.56E-01	1.48E+01	3.01E-01	3.68E-02	1.53E+01
4676	481863.09	3860377.25	2.05679	1.62142	3.2632	0.66747	1.57E-01	1.73E+01	3.61E-01	3.82E-02	1.79E+01	1.52E-01	7.31E-05	3.61E-02	7.47E-03	1.96E-01	1.71E-01	1.73E+01	3.61E-01	3.82E-02	1.79E+01
4677	482363.09	3860377.25	2.61965	1.93177	3.7046	0.68282	2.00E-01	2.06E+01	4.10E-01	3.90E-02	2.13E+01	1.94E-01	8.71E-05	4.10E-02	7.64E-03	2.43E-01	2.17E-01	2.06E+01	4.10E-01	3.90E-02	2.13E+01
4678	482863.09	3860377.25	2.89587	2.21004	3.8416	0.6898	2.21E-01	2.36E+01	4.25E-01	3.94E-02	2.43E+01	2.14E-01	9.96E-05	4.25E-02	7.72E-03	2.65E-01	2.40E-01	2.36E+01	4.25E-01	3.94E-02	2.43E+01
4679	483363.09	3860377.25	2.56596	2.55141	3.5408	0.7045	1.96E-01	2.72E+01	3.91E-01	4.03E-02	2.79E+01	1.90E-01	1.15E-04	3.91E-02	7.89E-03	2.37E-01	2.13E-01	2.72E+01	3.91E-01	4.03E-02	2.79E+01
4680	483863.09	3860377.25	2.47682	2.6172	3.3543	0.72042	1.89E-01	2.79E+01	3.71E-01	4.12E-02	2.85E+01	1.83E-01	1.18E-04	3.71E-02	8.06E-03	2.29E-01	2.06E-01	2.79E+01	3.71E-01	4.12E-02	2.85E+01
4681	484363.09	3860377.25	2.44235	2.85214	3.6842	0.7256	1.86E-01	3.04E+01	4.07E-01	4.15E-02	3.11E+01	1.81E-01	1.29E-04	4.07E-02	8.12E-03	2.30E-01	2.03E-01	3.04E+01	4.07E-01	4.15E-02	3.11E+01
4682	484863.09	3860377.25	2.31308	3.04614	3.6611	0.7295	1.76E-01	3.25E+01	4.05E-01	4.17E-02	3.31E+01	1.71E-01	1.37E-04	4.05E-02	8.17E-03	2.20E-01	1.92E-01	3.25E+01	4.05E-01	4.17E-02	3.31E+01
4683	485363.09	3860377.25	1.96721	3.40091	4.2733	0.71242	1.50E-01	3.63E+01	4.72E-01	4.07E-02	3.70E+01	1.46E-01	1.53E-04	4.72E-02	7.98E-03	2.01E-01	1.63E-01	3.63E+01	4.72E-01	4.07E-02	3.70E+01
4684	485863.09	3860377.25	2.12141	4.24835	3.8583	0.80047	1.62E-01	4.53E+01	4.27E-01	4.58E-02	4.60E+01	1.57E-01	1.92E-04	4.27E-02	8.96E-03	2.09E-01	1.76E-01	4.53E+01	4.27E-01	4.58E-02	4.60E+01
4685	486363.09	3860377.25	2.31624	5.26791	3.4962	1.06945	1.77E-01	5.62E+01	3.87E-01	6.12E-02	5.68E+01	1.71E-01	2.37E-04	3.87E-02	1.20E-02	2.22E-01	1.92E-01	5.62E+01	3.87E-01	6.12E-02	5.69E+01
4686	486863.09	3860377.25	3.11767	6.38898	3.6342	1.25775	2.38E-01	6.82E+01	4.02E-01	7.19E-02	6.89E+01	2.31E-01	2.88E-04	4.02E-02	1.41E-02	2.85E-01	2.59E-01	6.82E+01	4.02E-01	7.19E-02	6.89E+01
4687	487363.09	3860377.25	3.55976	9.31563	3.3834	1.16226	2.71E-01	9.94E+01	3.74E-01	6.65E-02	1.00E+02	2.64E-01	4.20E-04	3.74E-02	1.30E-02	3.14E-01	2.96E-01	9.94E+01	3.74E-01	6.65E-02	1.00E+02
4688	487863.09	3860377.25	2.96795	16.1096	6.7355	1.081	2.26E-01	1.72E+02	7.45E-01	6.18E-02	1.73E+02	2.20E-01	7.26E-04	7.45E-02	1.21E-02	3.07E-01	2.46E-01	1.72E+02	7.45E-01	6.18E-02	1.73E+02
4689	488363.09	3860377.25	3.50253	17.0668	3.9621	1.99602	2.67E-01	1.82E+02	4.38E-01	1.14E-01	1.83E+02	2.59E-01	7.69E-04	4.38E-02	2.23E-02	3.26E-01	2.91E-01	1.82E+02	4.38E-01	1.14E-01	1.83E+02
4690	488863.09	3860377.25	3.14188	18.8454	2.2768	3.82395	2.39E-01	2.01E+02	2.52E-01	2.19E-01	2.02E+02	2.33E-01	8.50E-04	2.52E-02	4.28E-02	3.01E-01	2.61E-01	2.01E+02	2.52E-01	2.19E-01	2.02E+02
4691	489363.09	3860377.25	3.8119	11.6311	4.2296	2.32297	2.91E-01	1.24E+02	4.68E-01	1.33E-01	1.25E+02	2.82E-01	5.24E-04	4.68E-02	2.60E-02	3.55E-01	3.16E-01	1.24E+02	4.68E-01	1.33E-01	1.25E+02
4692	489863.09	3860377.25	3.70165	7.0601	5.29	1.25582	2.82E-01	7.53E+01	5.85E-01	7.18E-02	7.63E+01	2.74E-01	3.18E-04	5.85E-02	1.41E-02	3.47E-01	3.07E-01	7.53E+01	5.85E-01	7.18E-02	7.63E+01
4693	490363.09	3860377.25	4.26052	5.71583	3.9894	1.41789	3.25E-01	6.10E+01	4.41E-01	8.11E-02	6.18E+01	3.15E-01	2.58E-04	4.41E-02	1.59E-02	3.76E-01	3.54E-01	6.10E+01	4.41E-01	8.11E-02	6.19E+01

4694	490863.09	3860377.25	2.93745	4.46748	4.0486	1.08787	2.24E-01	4.77E+01	4.48E-01	6.22E-02	4.84E+01	2.17E-01	2.01E-04	4.48E-02	1.22E-02	2.75E-01	2.44E-01	4.77E+01	4.48E-01	6.22E-02	4.84E+01
4695	491363.09	3860377.25	2.81513	3.69097	3.78	0.79291	2.15E-01	3.94E+01	4.18E-01	4.53E-02	4.01E+01	2.08E-01	1.66E-04	4.18E-02	8.88E-03	2.59E-01	2.34E-01	3.94E+01	4.18E-01	4.53E-02	4.01E+01
4696	491863.09	3860377.25	2.14304	3.18687	4.2602	0.73665	1.63E-01	3.40E+01	4.71E-01	4.21E-02	3.47E+01	1.59E-01	1.44E-04	4.71E-02	8.25E-03	2.14E-01	1.78E-01	3.40E+01	4.71E-01	4.21E-02	3.47E+01
4697	492363.09	3860377.25	1.90684	2.87532	4.3355	0.70564	1.45E-01	3.07E+01	4.79E-01	4.04E-02	3.13E+01	1.41E-01	1.30E-04	4.79E-02	7.90E-03	1.97E-01	1.58E-01	3.07E+01	4.79E-01	4.04E-02	3.14E+01
4698	492863.09	3860377.25	2.79428	2.5315	4.0859	0.71525	2.13E-01	2.70E+01	4.52E-01	4.09E-02	2.77E+01	2.07E-01	1.14E-04	4.52E-02	8.01E-03	2.60E-01	2.32E-01	2.70E+01	4.52E-01	4.09E-02	2.77E+01
4699	493363.09	3860377.25	3.20585	2.29528	3.7783	0.70994	2.44E-01	2.45E+01	4.18E-01	4.06E-02	2.52E+01	2.37E-01	1.03E-04	4.18E-02	7.95E-03	2.87E-01	2.66E-01	2.45E+01	4.18E-01	4.06E-02	2.52E+01
4700	493863.09	3860377.25	2.81286	2.19361	4.6318	0.71131	2.14E-01	2.34E+01	5.12E-01	4.07E-02	2.42E+01	2.08E-01	9.89E-05	5.12E-02	7.96E-03	2.68E-01	2.34E-01	2.34E+01	5.12E-01	4.07E-02	2.42E+01
4701	494363.09	3860377.25	2.45558	1.9772	3.948	0.70352	1.87E-01	2.11E+01	4.36E-01	4.02E-02	2.18E+01	1.82E-01	8.91E-05	4.36E-02	7.88E-03	2.33E-01	2.04E-01	2.11E+01	4.36E-01	4.02E-02	2.18E+01
4702	494863.09	3860377.25	2.31087	1.91111	3.7738	0.69957	1.76E-01	2.04E+01	4.17E-01	4.00E-02	2.10E+01	1.71E-01	8.62E-05	4.17E-02	7.83E-03	2.21E-01	1.92E-01	2.04E+01	4.17E-01	4.00E-02	2.10E+01
4703	495363.09	3860377.25	2.14086	1.76276	3.4098	0.68965	1.63E-01	1.88E+01	3.77E-01	3.94E-02	1.94E+01	1.58E-01	7.95E-05	3.77E-02	7.72E-03	2.04E-01	1.78E-01	1.88E+01	3.77E-01	3.94E-02	1.94E+01
4704	495863.09	3860377.25	2.10036	1.39961	4.0982	0.74402	1.60E-01	1.49E+01	4.53E-01	4.25E-02	1.56E+01	1.55E-01	6.31E-05	4.53E-02	8.33E-03	2.09E-01	1.74E-01	1.49E+01	4.53E-01	4.25E-02	1.56E+01
4705	496363.09	3860377.25	2.14263	1.01372	6.1077	1.41884	1.63E-01	1.08E+01	6.75E-01	8.11E-02	1.17E+01	1.59E-01	4.57E-05	6.75E-02	1.59E-02	2.42E-01	1.78E-01	1.08E+01	6.75E-01	8.11E-02	1.18E+01
4706	496863.09	3860377.25	1.76597	0.75175	9.4321	1.40154	1.35E-01	8.02E+00	1.04E+00	8.01E-02	9.28E+00	1.31E-01	3.39E-05	1.04E-01	1.57E-02	2.51E-01	1.47E-01	8.02E+00	1.04E+00	8.01E-02	9.29E+00
4707	497363.09	3860377.25	1.33842	0.49846	9.6868	1.16465	1.02E-01	5.32E+00	1.07E+00	6.66E-02	6.56E+00	9.91E-02	2.25E-05	1.07E-01	1.30E-02	2.19E-01	1.11E-01	5.32E+00	1.07E+00	6.66E-02	6.57E+00
4708	497863.09	3860377.25	1.43735	0.83813	5.6858	1.31129	1.10E-01	8.94E+00	6.29E-01	7.50E-02	9.76E+00	1.06E-01	3.78E-05	6.29E-02	1.47E-02	1.84E-01	1.19E-01	8.94E+00	6.29E-01	7.50E-02	9.77E+00
4709	498363.09	3860377.25	1.22385	1.11309	4.0125	0.63459	9.33E-02	1.19E+01	4.44E-01	3.63E-02	1.25E+01	9.06E-02	5.02E-05	4.44E-02	7.10E-03	1.42E-01	1.02E-01	1.19E+01	4.44E-01	3.63E-02	1.25E+01
4710	471363.09	3860877.25	0.90279	0.43376	2.2295	0.5073	6.88E-02	4.63E+00	2.46E-01	2.90E-02	4.97E+00	6.68E-02	1.96E-05	2.46E-02	5.68E-03	9.72E-02	7.50E-02	4.63E+00	2.46E-01	2.90E-02	4.98E+00
4711	471863.09	3860877.25	0.89119	0.44695	2.0896	0.50964	6.79E-02	4.77E+00	2.31E-01	2.91E-02	5.10E+00	6.60E-02	2.01E-05	2.31E-02	5.71E-03	9.48E-02	7.40E-02	4.77E+00	2.31E-01	2.91E-02	5.10E+00
4712	472363.09	3860877.25	0.86402	0.46585	1.9928	0.51393	6.59E-02	4.97E+00	2.20E-01	2.94E-02	5.29E+00	6.40E-02	2.10E-05	2.20E-02	5.75E-03	9.18E-02	7.17E-02	4.97E+00	2.20E-01	2.94E-02	5.29E+00
4713	472863.09	3860877.25	0.93521	0.52601	2.0762	0.50235	7.13E-02	5.61E+00	2.30E-01	2.87E-02	5.94E+00	6.92E-02	2.37E-05	2.30E-02	5.62E-03	9.78E-02	7.76E-02	5.61E+00	2.30E-01	2.87E-02	5.95E+00
4714	473363.09	3860877.25	1.06916	0.58134	2.3576	0.51106	8.15E-02	6.20E+00	2.61E-01	2.92E-02	6.58E+00	7.92E-02	2.62E-05	2.61E-02	5.72E-03	1.11E-01	8.88E-02	6.20E+00	2.61E-01	2.92E-02	6.58E+00
4715	473863.09	3860877.25	1.15652	0.63307	2.7002	0.52877	8.82E-02	6.76E+00	2.99E-01	3.02E-02	7.17E+00	8.56E-02	2.85E-05	2.99E-02	5.92E-03	1.21E-01	9.60E-02	6.76E+00	2.99E-01	3.02E-02	7.18E+00
4716	474363.09	3860877.25	1.19814	0.65492	3.2114	0.56227	9.13E-02	6.99E+00	3.55E-01	3.22E-02	7.47E+00	8.87E-02	2.95E-05	3.55E-02	6.29E-03	1.31E-01	9.95E-02	6.99E+00	3.55E-01	3.22E-02	7.48E+00
4717	474863.09	3860877.25	1.22111	0.66529	3.9911	1.01692	9.31E-02	7.10E+00	4.41E-01	5.82E-02	7.69E+00	9.04E-02	3.00E-05	4.41E-02	1.14E-02	1.46E-01	1.01E-01	7.10E+00	4.41E-01	5.82E-02	7.70E+00
4718	475363.09	3860877.25	1.21509	0.5566	5.5509	1.46957	9.26E-02	5.94E+00	6.14E-01	8.40E-02	6.73E+00	9.00E-02	2.51E-05	6.14E-02	1.65E-02	1.68E-01	1.01E-01	5.94E+00	6.14E-01	8.40E-02	6.74E+00
4719	475863.09	3860877.25	1.15502	0.39388	7.2641	1.70221	8.80E-02	4.20E+00	8.03E-01	9.73E-02	5.19E+00	8.55E-02	1.78E-05	8.03E-02	1.91E-02	1.85E-01	9.59E-02	4.20E+00	8.03E-01	9.73E-02	5.20E+00
4720	476363.09	3860877.25	1.004	0.31605	6.979	1.30543	7.65E-02	3.37E+00	7.72E-01	7.46E-02	4.30E+00	7.43E-02	1.42E-05	7.72E-02	1.46E-02	1.66E-01	8.34E-02	3.37E+00	7.72E-01	7.46E-02	4.30E+00
4721	476863.09	3860877.25	0.90214	0.28417	6.1057	1.1169	6.88E-02	3.03E+00	6.75E-01	6.39E-02	3.84E+00	6.68E-02	1.28E-05	6.75E-02	1.25E-02	1.47E-01	7.49E-02	3.03E+00	6.75E-01	6.39E-02	3.85E+00
4722	477363.09	3860877.25	0.83987	0.30516	6.8087	1.20259	6.40E-02	3.26E+00	7.53E-01	6.88E-02	4.14E+00	6.22E-02	1.38E-05	7.53E-02	1.35E-02	1.51E-01	6.97E-02	3.26E+00	7.53E-01	6.88E-02	4.15E+00
4723	477863.09	3860877.25	0.63783	0.28485	5.2616	0.66993	4.86E-02	3.04E+00	5.82E-01	3.83E-02	3.71E+00	4.72E-02	1.28E-05	5.82E-02	7.50E-03	1.13E-01	5.30E-02	3.04E+00	5.82E-01	3.83E-02	3.71E+00
4724	478363.09	3860877.25	0.38873	0.24356	2.1663	0.55706	2.96E-02	2.60E+00	2.40E-01	3.19E-02	2.90E+00	2.88E-02	1.10E-05	2.40E-02	6.24E-03	5.90E-02	3.23E-02	2.60E+00	2.40E-01	3.19E-02	2.90E+00
4725	478863.09	3860877.25	1.03475	0.34833	4.01	2.01681	7.89E-02	3.72E+00	4.43E-01	1.15E-01	4.35E+00	7.66E-02	1.57E-05	4.43E-02	2.26E-02	1.44E-01	8.59E-02	3.72E+00	4.43E-01	1.15E-01	4.36E+00
4726	479363.09	3860877.25	1.33318	0.61585	4.8562	2.26967	1.02E-01	6.57E+00	5.37E-01	1.30E-01	7.34E+00	9.87E-02	2.78E-05	5.37E-02	2.54E-02	1.78E-01	1.11E-01	6.57E+00	5.37E-01	1.30E-01	7.35E+00
4727	479863.09	3860877.25	1.52902	0.8888	4.2047	0.74548	1.17E-01	9.49E+00	4.65E-01	4.26E-02	1.01E+01	1.13E-01	4.01E-05	4.65E-02	8.35E-03	1.68E-01	1.27E-01	9.49E+00	4.65E-01	4.26E-02	1.01E+01
4728	480363.09	3860877.25	1.58642	1.07486	3.2525	0.61984	1.21E-01	1.15E+01	3.60E-01	3.54E-02	1.20E+01	1.17E-01	4.85E-05	3.60E-02	6.94E-03	1.60E-01	1.32E-01	1.15E+01	3.60E-01	3.54E-02	1.20E+01
4729	480863.09	3860877.25	1.62815	1.17023	3.0401	0.62262	1.24E-01	1.25E+01	3.36E-01	3.56E-02	1.30E+01	1.21E-01	5.28E-05	3.36E-02	6.97E-03	1.61E-01	1.35E-01	1.25E+01	3.36E-01	3.56E-02	1.30E+01
4730	481363.09	3860877.25	1.73156	1.20459	3.2993	0.63723	1.32E-01	1.29E+01	3.65E-01	3.64E-02	1.34E+01	1.28E-01	5.43E-05	3.65E-02	7.13E-03	1.72E-01	1.44E-01	1.29E+01	3.65E-01	3.64E-02	1.34E+01
4731	481863.09	3860877.25	2.03039	1.32577	3.3071	0.64033	1.55E-01	1.41E+01	3.66E-01	3.66E-02	1.47E+01	1.50E-01	5.98E-05	3.66E-02	7.17E-03	1.94E-01	1.69E-01	1.41E+01	3.66E-01	3.66E-02	1.47E+01
4732	482363.09	3860877.25	2.34221	1.52336	3.3413	0.64613	1.79E-01	1.63E+01	3.69E-01	3.69E-02	1.68E+01	1.73E-01	6.87E-05	3.69E-02	7.23E-03	2.18E-01	1.94E-01	1.63E+01	3.69E-01	3.69E-02	1.69E+01
4733	482863.09	3860877.25	2.30008	1.5488	2.9698	0.64421	1.75E-01	1.65E+01	3.28E-01	3.68E-02	1.71E+01	1.70E-01	6.98E-05	3.28E-02	7.21E-03	2.10E-01	1.91E-01	1.65E+01	3.28E-01	3.68E-02	1.71E+01
4734	483363.09	3860877.25	2.21173	1.55304	3.1109	0.70641	1.69E-01	1.66E+01	3.44E-01	4.04E-02	1.71E+01	1.64E-01	7.00E-05	3.44E-02	7.91E-03	2.06E-01	1.84E-01	1.66E+01	3.44E-01	4.04E-02	1.71E+01
4735	483863.09	3860877.25	2.34614	1.67703	3.9827	0.70455	1.79E-01	1.79E+01	4.40E-01	4.03E-02	1.86E+01	1.74E-01	7.56E-05	4.40E-02	7.89E-03	2.26E-01	1.95E-01	1.79E+01	4.40E-01	4.03E-02	1.86E+01
4736	484363.09	3860877.25	2.29028	2.09929	3.3857	0.66924	1.75E-01	2.24E+01	3.74E-01	3.83E-02	2.30E+01	1.70E-01	9.46E-05	3.74E-02	7.49E-03	2.15E-01	1.90E-01	2.24E+01	3.74E-01	3.83E-02	2.30E+01
4737	484863.09	3860877.25	1.91573	2.32625	3.9594	0.65026	1.46E-01	2.48E+01	4.38E-01	3.72E-02	2.54E+01	1.42E-01	1.05E-04	4.38E-02	7.28E-03	1.93E-01	1.59E-01	2.48E+01	4.38E-01	3.72E-02	2.55E+01
4738	485363.09	3860877.25	1.6501	2.78868	3.6558	0.65447	1.26E-01	2.98E+01	4.04E-01	3.74E-02	3.03E+01	1.22E-01	1.26E-04	4.04E-02	7.33E-03	1.70E-01	1.37E-01	2.98E+01	4.04E-01	3.74E-02	3.03E+01
4739	485863.09	3860877.25	1.78835	3.16835	3.8443	0.7469	1.36E-01	3.38E+01	4.25E-01	4.27E-02	3.44E+01	1.32E-01	1.43E-04	4.25E-02	8.36E-03	1.83E-01	1.48E-01	3.38E+01	4.25E-01	4.27E-02	3.44E+01
4740	486363.09	3860877.25	2.05574	3.83997	4.8876	0.76359	1.57E-01	4.10E+01	5.40E-01	4.37E-02	4.17E+01	1.52E-01	1.73E-04	5.40E-02	8.55E-03	2.15E-01	1.71E-01	4.10E+01	5.40E-01	4.37E-02	4.17E+01
4741	486863.09	3860877.25	2.55773	4.37695	1.8779	1.06625	1.95E-01	4.67E+01	2.08E-01	6.10E-02	4.72E+01	1.89E-01	1.97E-04	2.08E-02	1.19E-02	2.22E-01	2.12E-01	4.67E+01	2.08E-01	6.10E-02	4.72E+01
4742	487363.09	3860877.25	3.11506	6.78106	4.4667	1.599	2.37E-01	7.24E+01	4.94E-01	9.14E-02	7.32E+01	2.31E-01	3.06E-04	4.94E-02	1.79E-02	2.98E-01	2.59E-01	7.24E+01	4.94E-01	9.14E-02	7.32E+01
4743	487863.09	3860877.25	2.39838	7.07116	6.3065	1.13365	1.83E-01	7.55E+01	6.97E-01	6.48E-02	7.64E+01	1.78E-01	3.19E-04	6.97E-02	1.27E-02	2.60E-01	1.99E-01	7.55E+01	6.97E-01	6.48E-02	7.64E+01
4744	488363.09	3860877.25	2.63975	8.32236	3.6922	1.1867	2.01E-01	8.88E+01	4.08E-01	6.79E-02	8.95E+01	1.95E-01	3.75E-04	4.08E-02	1.33E-02	2.50E-01	2.19E-01	8.88E+01	4.08E-01	6.79E-02	8.95E+01
4745	488863.09	3860877.25	3.31268	9.33153	3.1089	1.48794	2.52E-01	9.96E+01	3.44E-01	8.51E-02	1.00E+02	2.45E-01	4.21E-04	3.44E-02	1.67E-02	2.97E-01	2.75E-01	9.96E+01	3.44E-01	8.51E-02	1.00E+02
4746	489363.09	3860877.25	2.38556	10.4301	3.5882	2.129	1.82E-01	1.11E+02	3.97E-01	1.22E-01	1.12E+02	1.77E-01	4.70E-04	3.97E-02	2.38E-02	2.41E-01	1.98E-01	1.11E+02	3.97E-01	1.22E-01	1.12E+02
4747	489863.09	3860877.25	3.32436	6.67144	4.126	1.45778	2.53E-01	7.12E+01	4.56E-01	8.34E-02	7.20E+01	2.46E-01	3.01E-04	4.56E-02	1.63E-02	3.08E-01	2.76E-01	7.12E+01	4.56E-01	8.34E-02	7.20E+01
4748	490363.09	3860877.25	3.15079	4.30797	4.0489	1.23531	2.40E-01	4.60E+01	4.48E-01	7.06E-02	4.67E+01	2.33E-01	1.94E-04	4.48E-02	1.38E-02	2.92E-01	2.62E-01	4.60E+01	4.48E-01	7.06E-02	4.68E+01
4749	490863.09	3860877.25	3.66799	3.68433	3.8033	1.17627	2.80E-01	3.93E+01	4.20E-01	6.73E-02	4.01E+01	2.72E-01	1.66E-04	4.20E-02	1.32E-02	3.27E-01	3.05E-01	3.93E+01	4.20E-01	6.73E-02	4.01E+01
4750	491363.09	3860877.25	2.6762	3.38248	3.5368	1.02694	2.04E-01	3.61E+01	3.91E-01	5.87E-02	3.68E+01	1.98E-01	1.52E-04	3.91E-02	1.15E-02	2.49E-01	2.22E-01	3.61E+01	3.91E-01	5.87E-02	3.68E+01
4751	491863.09	3860877.25	2.38331	2.91551	3.4031	0.8631	1.82E-01	3.11E+01	3.76E-01	4.94E-02	3.17E+01	1.76E-01	1.31E-04	3.76E-02	9.66E-03	2.24E-01	1.98E-01	3.11E+01	3.76E-01	4.94E-02	3.17E+01
4752	492363.09	3860877.25	2.05939	2.53637	3.2229	0.72046	1.57E-01	2.71E+01	3.56E-01	4.12E-02	2.76E+01	1.52E-01	1.14E-04	3.56E-02	8.07E-03	1.96E-01	1.71E-01	2.71E+01	3.56E-01	4.12E-02	2.76E+01
4753	492863.09	3860877.25	1.54801	2.19377	3.7734	0.67299	1.18E-01	2.34E+01	4.17E-01	3.85E-02	2.40E+01	1.15E-01	9.89E-05	4.17E-02	7.53E-03	1.64E-01	1.29E-01	2.34E+01	4.17E-01	3.85E-02	2.40E+01
4754	493363.09	3860877.25	1.78849	1.99249	3.58	0.67504	1.36E-01	2.13E+01	3.96E-01	3.86E-02	2.18E+01	1.32E-01	8.98E-05	3.96E-02	7.56E-03	1.80E-01	1.48E-01	2.13E+01	3.96E-01	3.86E-02	2.18E+01

4755	493863.09	3860877.25	2.46513	1.81643	3.525	0.64458	1.88E-01	1.94E+01	3.90E-01	3.69E-02	2.00E+01	1.83E-01	8.19E-05	3.90E-02	7.22E-03	2.29E-01	2.05E-01	1.94E+01	3.90E-01	3.69E-02	2.00E+01
4756	494363.09	3860877.25	2.62086	1.67582	3.2096	0.61209	2.00E-01	1.79E+01	3.55E-01	3.50E-02	1.85E+01	1.94E-01	7.55E-05	3.55E-02	6.85E-03	2.36E-01	2.18E-01	1.79E+01	3.55E-01	3.50E-02	1.85E+01
4757	494863.09	3860877.25	2.32336	1.67701	3.6081	0.58462	1.77E-01	1.79E+01	3.99E-01	3.34E-02	1.85E+01	1.72E-01	7.56E-05	3.99E-02	6.54E-03	2.19E-01	1.93E-01	1.79E+01	3.99E-01	3.34E-02	1.85E+01
4758	495363.09	3860877.25	2.05581	1.63612	3.822	0.55164	1.57E-01	1.75E+01	4.23E-01	3.15E-02	1.81E+01	1.52E-01	7.38E-05	4.23E-02	6.18E-03	2.01E-01	1.71E-01	1.75E+01	4.23E-01	3.15E-02	1.81E+01
4759	495863.09	3860877.25	1.99516	1.58285	3.1711	0.54275	1.52E-01	1.69E+01	3.51E-01	3.10E-02	1.74E+01	1.48E-01	7.14E-05	3.51E-02	6.08E-03	1.89E-01	1.66E-01	1.69E+01	3.51E-01	3.10E-02	1.74E+01
4760	496363.09	3860877.25	1.84687	1.48257	3.317	0.52895	1.41E-01	1.58E+01	3.67E-01	3.02E-02	1.64E+01	1.37E-01	6.68E-05	3.67E-02	5.92E-03	1.79E-01	1.53E-01	1.58E+01	3.67E-01	3.02E-02	1.64E+01
4761	496863.09	3860877.25	1.78764	1.15814	2.9609	0.64225	1.36E-01	1.24E+01	3.27E-01	3.67E-02	1.29E+01	1.32E-01	5.22E-05	3.27E-02	7.19E-03	1.72E-01	1.48E-01	1.24E+01	3.27E-01	3.67E-02	1.29E+01
4762	497363.09	3860877.25	1.87512	1.064	3.6743	0.66655	1.43E-01	1.14E+01	4.06E-01	3.81E-02	1.19E+01	1.39E-01	4.80E-05	4.06E-02	7.46E-03	1.87E-01	1.56E-01	1.14E+01	4.06E-01	3.81E-02	1.20E+01
4763	497863.09	3860877.25	1.7726	1.00901	4.5382	0.90793	1.35E-01	1.08E+01	5.02E-01	5.19E-02	1.15E+01	1.31E-01	4.55E-05	5.02E-02	1.02E-02	1.92E-01	1.47E-01	1.08E+01	5.02E-01	5.19E-02	1.15E+01
4764	498363.09	3860877.25	1.33922	1.20359	3.656	0.58411	1.02E-01	1.28E+01	4.04E-01	3.34E-02	1.34E+01	9.91E-02	5.43E-05	4.04E-02	6.54E-03	1.46E-01	1.11E-01	1.28E+01	4.04E-01	3.34E-02	1.34E+01
4765	471363.09	3861377.25	0.75175	0.45506	2.4001	0.48795	5.73E-02	4.86E+00	2.65E-01	2.79E-02	5.21E+00	5.57E-02	2.05E-05	2.65E-02	5.46E-03	8.77E-02	6.24E-02	4.86E+00	2.65E-01	2.79E-02	5.21E+00
4766	471863.09	3861377.25	0.89176	0.45705	2.4717	0.48018	6.80E-02	4.88E+00	2.73E-01	2.75E-02	5.25E+00	6.60E-02	2.06E-05	2.73E-02	5.38E-03	9.87E-02	7.40E-02	4.88E+00	2.73E-01	2.75E-02	5.25E+00
4767	472363.09	3861377.25	1.00692	0.50488	2.4623	0.47072	7.67E-02	5.39E+00	2.72E-01	2.69E-02	5.76E+00	7.45E-02	2.28E-05	2.72E-02	5.27E-03	1.07E-01	8.36E-02	5.39E+00	2.72E-01	2.69E-02	5.77E+00
4768	472863.09	3861377.25	1.07529	0.57401	2.2322	0.44647	8.20E-02	6.13E+00	2.47E-01	2.55E-02	6.48E+00	7.96E-02	2.59E-05	2.47E-02	5.00E-03	1.09E-01	8.93E-02	6.13E+00	2.47E-01	2.55E-02	6.49E+00
4769	473363.09	3861377.25	1.12642	0.62061	2.1056	0.43862	8.59E-02	6.62E+00	2.33E-01	2.51E-02	6.97E+00	8.34E-02	2.80E-05	2.33E-02	4.91E-03	1.12E-01	9.35E-02	6.62E+00	2.33E-01	2.51E-02	6.97E+00
4770	473863.09	3861377.25	1.15651	0.62649	2.2411	0.4608	8.82E-02	6.69E+00	2.48E-01	2.64E-02	7.05E+00	8.56E-02	2.82E-05	2.48E-02	5.16E-03	1.16E-01	9.60E-02	6.69E+00	2.48E-01	2.64E-02	7.06E+00
4771	474363.09	3861377.25	1.17214	0.63671	2.6777	0.44756	8.93E-02	6.79E+00	2.96E-01	2.56E-02	7.21E+00	8.68E-02	2.87E-05	2.96E-02	5.01E-03	1.21E-01	9.73E-02	6.79E+00	2.96E-01	2.56E-02	7.21E+00
4772	474863.09	3861377.25	1.18482	0.57939	3.2579	0.5638	9.03E-02	6.18E+00	3.60E-01	3.22E-02	6.67E+00	8.77E-02	2.61E-05	3.60E-02	6.31E-03	1.30E-01	9.84E-02	6.18E+00	3.60E-01	3.22E-02	6.67E+00
4773	475363.09	3861377.25	1.17705	0.59505	3.4303	0.53005	8.97E-02	6.35E+00	3.79E-01	3.03E-02	6.85E+00	8.71E-02	2.68E-05	3.79E-02	5.93E-03	1.31E-01	9.77E-02	6.35E+00	3.79E-01	3.03E-02	6.86E+00
4774	475863.09	3861377.25	1.1432	0.59475	4.0524	1.30362	8.71E-02	6.35E+00	4.48E-01	7.45E-02	6.96E+00	8.46E-02	2.68E-05	4.48E-02	1.46E-02	1.44E-01	9.49E-02	6.35E+00	4.48E-01	7.45E-02	6.96E+00
4775	476363.09	3861377.25	1.04092	0.55917	4.405	1.87515	7.93E-02	5.97E+00	4.87E-01	1.07E-01	6.64E+00	7.71E-02	2.52E-05	4.87E-02	2.10E-02	1.47E-01	8.64E-02	5.97E+00	4.87E-01	1.07E-01	6.65E+00
4776	476863.09	3861377.25	0.9052	0.53473	3.9788	2.18229	6.90E-02	5.71E+00	4.40E-01	1.25E-01	6.34E+00	6.70E-02	2.41E-05	4.40E-02	2.44E-02	1.35E-01	7.52E-02	5.71E+00	4.40E-01	1.25E-01	6.35E+00
4777	477363.09	3861377.25	0.89402	0.52203	2.9551	2.33292	6.81E-02	5.57E+00	3.27E-01	1.33E-01	6.10E+00	6.62E-02	2.35E-05	3.27E-02	2.61E-02	1.25E-01	7.42E-02	5.57E+00	3.27E-01	1.33E-01	6.11E+00
4778	477863.09	3861377.25	0.87123	0.3776	4.5974	1.63036	6.64E-02	4.03E+00	5.08E-01	9.32E-02	4.70E+00	6.45E-02	1.70E-05	5.08E-02	1.83E-02	1.34E-01	7.23E-02	4.03E+00	5.08E-01	9.32E-02	4.70E+00
4779	478363.09	3861377.25	0.50812	0.26809	3.8192	0.55644	3.87E-02	2.86E+00	4.22E-01	3.18E-02	3.35E+00	3.76E-02	1.21E-05	4.22E-02	6.23E-03	8.61E-02	4.22E-02	2.86E+00	4.22E-01	3.18E-02	3.36E+00
4780	478863.09	3861377.25	0.70967	0.28052	5.109	1.07485	5.41E-02	2.99E+00	5.65E-01	6.15E-02	3.67E+00	5.25E-02	1.26E-05	5.65E-02	1.20E-02	1.21E-01	5.89E-02	2.99E+00	5.65E-01	6.15E-02	3.68E+00
4781	479363.09	3861377.25	1.23968	0.56211	14.952	2.71151	9.45E-02	6.00E+00	1.65E+00	1.55E-01	7.90E+00	9.18E-02	2.53E-05	1.65E-01	3.04E-02	2.87E-01	1.03E-01	6.00E+00	1.65E+00	1.55E-01	7.91E+00
4782	479863.09	3861377.25	1.40146	0.7871	3.4959	0.88915	1.07E-01	8.40E+00	3.87E-01	5.08E-02	8.94E+00	1.04E-01	3.55E-05	3.87E-02	9.95E-03	1.52E-01	1.16E-01	8.40E+00	3.87E-01	5.08E-02	8.95E+00
4783	480363.09	3861377.25	1.47626	1.01073	2.9463	0.55609	1.13E-01	1.08E+01	3.26E-01	3.18E-02	1.13E+01	1.09E-01	4.56E-05	3.26E-02	6.23E-03	1.48E-01	1.23E-01	1.08E+01	3.26E-01	3.18E-02	1.13E+01
4784	480863.09	3861377.25	1.49695	1.10745	2.8944	0.56652	1.14E-01	1.18E+01	3.20E-01	3.24E-02	1.23E+01	1.11E-01	4.99E-05	3.20E-02	6.34E-03	1.49E-01	1.24E-01	1.18E+01	3.20E-01	3.24E-02	1.23E+01
4785	481363.09	3861377.25	1.6136	1.25223	3.5533	0.568	1.23E-01	1.34E+01	3.93E-01	3.25E-02	1.39E+01	1.19E-01	5.64E-05	3.93E-02	6.36E-03	1.65E-01	1.34E-01	1.34E+01	3.93E-01	3.25E-02	1.39E+01
4786	481863.09	3861377.25	1.80821	1.34025	3.0849	0.56168	1.38E-01	1.43E+01	3.41E-01	3.21E-02	1.48E+01	1.34E-01	6.04E-05	3.41E-02	6.29E-03	1.74E-01	1.50E-01	1.43E+01	3.41E-01	3.21E-02	1.48E+01
4787	482363.09	3861377.25	1.99127	1.42898	2.8768	0.55566	1.52E-01	1.52E+01	3.18E-01	3.18E-02	1.58E+01	1.47E-01	6.44E-05	3.18E-02	6.22E-03	1.86E-01	1.65E-01	1.52E+01	3.18E-01	3.18E-02	1.58E+01
4788	482863.09	3861377.25	1.88946	1.49507	3.2656	0.55695	1.44E-01	1.60E+01	3.61E-01	3.18E-02	1.65E+01	1.40E-01	6.74E-05	3.61E-02	6.23E-03	1.82E-01	1.57E-01	1.60E+01	3.61E-01	3.18E-02	1.65E+01
4789	483363.09	3861377.25	2.12658	1.69657	3.4964	0.7181	1.62E-01	1.81E+01	3.87E-01	4.11E-02	1.87E+01	1.57E-01	7.65E-05	3.87E-02	8.04E-03	2.04E-01	1.77E-01	1.81E+01	3.87E-01	4.11E-02	1.87E+01
4790	483863.09	3861377.25	2.1823	1.83722	4.3075	0.68821	1.66E-01	1.96E+01	4.76E-01	3.94E-02	2.03E+01	1.62E-01	8.28E-05	4.76E-02	7.70E-03	2.17E-01	1.81E-01	1.96E+01	4.76E-01	3.94E-02	2.03E+01
4791	484363.09	3861377.25	1.99472	1.84814	3.7784	0.59142	1.52E-01	1.97E+01	4.18E-01	3.38E-02	2.03E+01	1.48E-01	8.33E-05	4.18E-02	6.62E-03	1.96E-01	1.66E-01	1.97E+01	4.18E-01	3.38E-02	2.03E+01
4792	484863.09	3861377.25	1.74761	2.20876	3.5552	0.63224	1.33E-01	2.36E+01	3.93E-01	3.62E-02	2.41E+01	1.29E-01	9.96E-05	3.93E-02	7.08E-03	1.76E-01	1.45E-01	2.36E+01	3.93E-01	3.62E-02	2.41E+01
4793	485363.09	3861377.25	1.53589	2.75941	3.4556	0.66826	1.17E-01	2.94E+01	3.82E-01	3.82E-02	3.00E+01	1.14E-01	1.24E-04	3.82E-02	7.48E-03	1.60E-01	1.28E-01	2.94E+01	3.82E-01	3.82E-02	3.00E+01
4794	485863.09	3861377.25	1.65542	3.25813	3.5932	1.00501	1.26E-01	3.48E+01	3.97E-01	5.75E-02	3.54E+01	1.23E-01	1.47E-04	3.97E-02	1.13E-02	1.74E-01	1.37E-01	3.48E+01	3.97E-01	5.75E-02	3.54E+01
4795	486363.09	3861377.25	1.86085	3.03725	4.0726	0.87658	1.42E-01	3.24E+01	4.50E-01	5.01E-02	3.31E+01	1.38E-01	1.37E-04	4.50E-02	9.81E-03	1.93E-01	1.54E-01	3.24E+01	4.50E-01	5.01E-02	3.31E+01
4796	486863.09	3861377.25	2.20154	3.54429	2.3161	1.36693	1.68E-01	3.78E+01	2.56E-01	7.82E-02	3.83E+01	1.63E-01	1.60E-04	2.56E-02	1.53E-02	2.04E-01	1.83E-01	3.78E+01	2.56E-01	7.82E-02	3.83E+01
4797	487363.09	3861377.25	2.6539	4.79504	5.0748	0.7963	2.02E-01	5.12E+01	5.61E-01	4.55E-02	5.20E+01	1.96E-01	2.16E-04	5.61E-02	8.91E-03	2.62E-01	2.20E-01	5.12E+01	5.61E-01	4.55E-02	5.20E+01
4798	487863.09	3861377.25	2.13097	3.8378	5.8401	0.64354	1.62E-01	4.10E+01	6.46E-01	3.68E-02	4.18E+01	1.58E-01	1.73E-04	6.46E-02	7.20E-03	2.30E-01	1.77E-01	4.10E+01	6.46E-01	3.68E-02	4.18E+01
4799	488363.09	3861377.25	2.12598	4.82212	3.448	0.59236	1.62E-01	5.15E+01	3.81E-01	3.39E-02	5.20E+01	1.57E-01	2.17E-04	3.81E-02	6.63E-03	2.02E-01	1.77E-01	5.15E+01	3.81E-01	3.39E-02	5.21E+01
4800	488863.09	3861377.25	2.61334	4.81555	3.581	1.88089	1.99E-01	5.14E+01	3.96E-01	1.08E-01	5.21E+01	1.93E-01	2.17E-04	3.96E-02	2.11E-02	2.54E-01	2.17E-01	5.14E+01	3.96E-01	1.08E-01	5.21E+01
4801	489363.09	3861377.25	2.72193	5.93962	2.5106	1.5353	2.07E-01	6.34E+01	2.78E-01	8.78E-02	6.40E+01	2.02E-01	2.68E-04	2.78E-02	1.72E-02	2.47E-01	2.26E-01	6.34E+01	2.78E-01	8.78E-02	6.40E+01
4802	489863.09	3861377.25	2.0691	6.38846	3.7492	1.12665	1.58E-01	6.82E+01	4.15E-01	6.44E-02	6.88E+01	1.53E-01	2.88E-04	4.15E-02	1.26E-02	2.08E-01	1.72E-01	6.82E+01	4.15E-01	6.44E-02	6.88E+01
4803	490363.09	3861377.25	2.87035	4.87037	4.782	1.27643	2.19E-01	5.20E+01	5.29E-01	7.30E-02	5.28E+01	2.13E-01	2.20E-04	5.29E-02	1.43E-02	2.80E-01	2.38E-01	5.20E+01	5.29E-01	7.30E-02	5.28E+01
4804	490863.09	3861377.25	2.74354	3.57779	3.9094	1.14955	2.09E-01	3.82E+01	4.32E-01	6.57E-02	3.89E+01	2.03E-01	1.61E-04	4.32E-02	1.29E-02	2.59E-01	2.28E-01	3.82E+01	4.32E-01	6.57E-02	3.89E+01
4805	491363.09	3861377.25	3.20236	3.25482	3.5087	1.1456	2.44E-01	3.47E+01	3.88E-01	6.55E-02	3.54E+01	2.37E-01	1.47E-04	3.88E-02	1.28E-02	2.89E-01	2.66E-01	3.47E+01	3.88E-01	6.55E-02	3.55E+01
4806	491863.09	3861377.25	2.39037	3.02329	3.3847	1.06907	1.82E-01	3.23E+01	3.74E-01	6.11E-02	3.29E+01	1.77E-01	1.36E-04	3.74E-02	1.20E-02	2.26E-01	1.98E-01	3.23E+01	3.74E-01	6.11E-02	3.29E+01
4807	492363.09	3861377.25	1.98035	2.74242	2.992	0.93315	1.51E-01	2.93E+01	3.31E-01	5.34E-02	2.98E+01	1.47E-01	1.24E-04	3.31E-02	1.04E-02	1.90E-01	1.64E-01	2.93E+01	3.31E-01	5.34E-02	2.98E+01
4808	492863.09	3861377.25	1.92439	2.35586	3.1964	0.78051	1.47E-01	2.51E+01	3.53E-01	4.46E-02	2.57E+01	1.42E-01	1.06E-04	3.53E-02	8.74E-03	1.87E-01	1.60E-01	2.51E+01	3.53E-01	4.46E-02	2.57E+01
4809	493363.09	3861377.25	1.43989	2.12792	3.0916	0.70874	1.10E-01	2.27E+01	3.42E-01	4.05E-02	2.32E+01	1.07E-01	9.59E-05	3.42E-02	7.93E-03	1.49E-01	1.20E-01	2.27E+01	3.42E-01	4.05E-02	2.32E+01
4810	493863.09	3861377.25	1.31698	1.78632	3.3409	0.65844	1.00E-01	1.91E+01	3.69E-01	3.77E-02	1.96E+01	9.75E-02	8.05E-05	3.69E-02	7.37E-03	1.42E-01	1.09E-01	1.91E+01	3.69E-01	3.77E-02	1.96E+01
4811	494363.09	3861377.25	1.69707	1.59084	2.9744	0.67053	1.29E-01	1.70E+01	3.29E-01	3.83E-02	1.75E+01	1.26E-01	7.17E-05	3.29E-02	7.51E-03	1.66E-01	1.41E-01	1.70E+01	3.29E-01	3.83E-02	1.75E+01
4812	494863.09	3861377.25	2.14341	1.46513	3.0623	0.66396	1.63E-01	1.56E+01	3.39E-01	3.80E-02	1.62E+01	1.59E-01	6.60E-05	3.39E-02	7.43E-03	2.00E-01	1.78E-01	1.56E+01	3.39E-01	3.80E-02	1.62E+01
4813	495363.09	3861377.25	2.18907	1.36379	2.8441	0.64323	1.67E-01	1.46E+01	3.14E-01	3.68E-02	1.51E+01	1.62E-01	6.15E-05	3.14E-02	7.20E-03	2.01E-01	1.82E-01	1.46E+01	3.14E-01	3.68E-02	1.51E+01
4814	495863.09	3861377.25	1.90605	1.30314	2.8525	0.6129	1.45E-01	1.39E+01	3.15E-01	3.50E-02	1.44E+01	1.41E-01	5.87E-05	3.15E-02	6.86E-03	1.80E-01	1.58E-01	1.39E+01	3.15E-01	3.50E-02	1.44E+01
4815	496363.09	3861377.25	1.7284	1.31225	3.1889	0.5969	1.32E-01	1.40E+01	3.53E-01	3.41E-02	1.45E+01	1.28E-01	5.92E-05	3.53E-02	6.68E-03	1.70E-01	1.43E-01	1.40E+01	3.53E-01	3.41E-02	1.45E+01

4816	496863.09	3861377.25	1.7638	1.33789	3.3201	0.58574	1.34E-01	1.43E+01	3.67E-01	3.35E-02	1.48E+01	1.31E-01	6.03E-05	3.67E-02	6.56E-03	1.74E-01	1.46E-01	1.43E+01	3.67E-01	3.35E-02	1.48E+01
4817	497363.09	3861377.25	1.5914	1.37327	2.8559	0.55833	1.21E-01	1.47E+01	3.16E-01	3.19E-02	1.51E+01	1.18E-01	6.19E-05	3.16E-02	6.25E-03	1.56E-01	1.32E-01	1.47E+01	3.16E-01	3.19E-02	1.51E+01
4818	497863.09	3861377.25	1.48432	1.35368	2.9219	0.5408	1.13E-01	1.44E+01	3.23E-01	3.09E-02	1.49E+01	1.10E-01	6.10E-05	3.23E-02	6.05E-03	1.48E-01	1.23E-01	1.44E+01	3.23E-01	3.09E-02	1.49E+01
4819	498363.09	3861377.25	1.55684	1.29483	2.6926	0.53027	1.19E-01	1.38E+01	2.98E-01	3.03E-02	1.43E+01	1.15E-01	5.84E-05	2.98E-02	5.94E-03	1.51E-01	1.29E-01	1.38E+01	2.98E-01	3.03E-02	1.43E+01
4820	471363.09	3861877.25	0.94175	0.51559	1.9116	0.39621	7.18E-02	5.50E+00	2.11E-01	2.27E-02	5.81E+00	6.97E-02	2.32E-05	2.11E-02	4.44E-03	9.53E-02	7.82E-02	5.50E+00	2.11E-01	2.27E-02	5.81E+00
4821	471863.09	3861877.25	1.01611	0.56422	2.1181	0.3911	7.74E-02	6.02E+00	2.34E-01	2.24E-02	6.36E+00	7.52E-02	2.54E-05	2.34E-02	4.38E-03	1.03E-01	8.44E-02	6.02E+00	2.34E-01	2.24E-02	6.36E+00
4822	472363.09	3861877.25	1.06256	0.60077	2.5089	0.38832	8.10E-02	6.41E+00	2.77E-01	2.22E-02	6.79E+00	7.87E-02	2.71E-05	2.77E-02	4.35E-03	1.11E-01	8.82E-02	6.41E+00	2.77E-01	2.22E-02	6.80E+00
4823	472863.09	3861877.25	1.08743	0.6172	2.8202	0.41506	8.29E-02	6.59E+00	3.12E-01	2.37E-02	7.00E+00	8.05E-02	2.78E-05	3.12E-02	4.65E-03	1.16E-01	9.03E-02	6.59E+00	3.12E-01	2.37E-02	7.01E+00
4824	473363.09	3861877.25	1.09699	0.60435	3.0204	0.43314	8.36E-02	6.45E+00	3.34E-01	2.48E-02	6.89E+00	8.12E-02	2.72E-05	3.34E-02	4.85E-03	1.19E-01	9.11E-02	6.45E+00	3.34E-01	2.48E-02	6.90E+00
4825	473863.09	3861877.25	1.09106	0.5743	3.1004	0.40491	8.32E-02	6.13E+00	3.43E-01	2.32E-02	6.58E+00	8.08E-02	2.59E-05	3.43E-02	4.53E-03	1.20E-01	9.06E-02	6.13E+00	3.43E-01	2.32E-02	6.59E+00
4826	474363.09	3861877.25	1.06273	0.60958	2.9365	0.44923	8.10E-02	6.51E+00	3.25E-01	2.57E-02	6.94E+00	7.87E-02	2.75E-05	3.25E-02	5.03E-03	1.16E-01	8.82E-02	6.51E+00	3.25E-01	2.57E-02	6.94E+00
4827	474863.09	3861877.25	1.00231	0.63469	2.6043	0.48866	7.64E-02	6.77E+00	2.88E-01	2.79E-02	7.17E+00	7.42E-02	2.86E-05	2.88E-02	5.47E-03	1.08E-01	8.32E-02	6.77E+00	2.88E-01	2.79E-02	7.17E+00
4828	475363.09	3861877.25	0.90326	0.67565	2.082	0.51481	6.88E-02	7.21E+00	2.30E-01	2.94E-02	7.54E+00	6.69E-02	3.05E-05	2.30E-02	5.76E-03	9.57E-02	7.50E-02	7.21E+00	2.30E-01	2.94E-02	7.55E+00
4829	475863.09	3861877.25	0.84721	0.71433	1.7603	0.51677	6.46E-02	7.62E+00	1.95E-01	2.96E-02	7.91E+00	6.27E-02	3.22E-05	1.95E-02	5.78E-03	8.80E-02	7.03E-02	7.62E+00	1.95E-01	2.96E-02	7.92E+00
4830	476363.09	3861877.25	0.82329	0.71256	2.322	0.48604	6.28E-02	7.60E+00	2.57E-01	2.78E-02	7.95E+00	6.10E-02	3.21E-05	2.57E-02	5.44E-03	9.21E-02	6.84E-02	7.60E+00	2.57E-01	2.78E-02	7.96E+00
4831	476863.09	3861877.25	0.90175	0.66924	3.3912	0.72392	6.87E-02	7.14E+00	3.75E-01	4.14E-02	7.63E+00	6.68E-02	3.02E-05	3.75E-02	8.10E-03	1.12E-01	7.49E-02	7.14E+00	3.75E-01	4.14E-02	7.63E+00
4832	477363.09	3861877.25	0.99644	0.60798	4.5376	1.02145	7.59E-02	6.49E+00	5.02E-01	5.84E-02	7.12E+00	7.38E-02	2.74E-05	5.02E-02	1.14E-02	1.35E-01	8.27E-02	6.49E+00	5.02E-01	5.84E-02	7.13E+00
4833	477863.09	3861877.25	0.87053	0.36479	14.449	2.04586	6.64E-02	3.89E+00	1.60E+00	1.17E-01	5.67E+00	6.44E-02	1.64E-05	1.60E-01	2.29E-02	2.47E-01	7.23E-02	3.89E+00	1.60E+00	1.17E-01	5.68E+00
4834	478363.09	3861877.25	0.4768	0.2576	2.6432	0.47048	3.63E-02	2.75E+00	2.92E-01	2.69E-02	3.10E+00	3.53E-02	1.16E-05	2.92E-02	5.27E-03	6.98E-02	3.96E-02	2.75E+00	2.92E-01	2.69E-02	3.11E+00
4835	478863.09	3861877.25	0.83414	0.28747	6.2686	0.85435	6.36E-02	3.07E+00	6.93E-01	4.89E-02	3.87E+00	6.18E-02	1.30E-05	6.93E-02	9.56E-03	1.41E-01	6.93E-02	3.07E+00	6.93E-01	4.89E-02	3.88E+00
4836	479363.09	3861877.25	0.78438	0.25134	4.2562	0.54459	5.98E-02	2.68E+00	4.71E-01	3.11E-02	3.24E+00	5.81E-02	1.13E-05	4.71E-02	6.10E-03	1.11E-01	6.51E-02	2.68E+00	4.71E-01	3.11E-02	3.25E+00
4837	479863.09	3861877.25	1.38372	0.72925	3.2417	1.06777	1.05E-01	7.78E+00	3.58E-01	6.11E-02	8.31E+00	1.02E-01	3.29E-05	3.58E-02	1.20E-02	1.50E-01	1.15E-01	7.78E+00	3.58E-01	6.11E-02	8.32E+00
4838	480363.09	3861877.25	1.39432	0.97975	3.6178	0.4824	1.06E-01	1.05E+01	4.00E-01	2.76E-02	1.10E+01	1.03E-01	4.42E-05	4.00E-02	5.40E-03	1.49E-01	1.16E-01	1.05E+01	4.00E-01	2.76E-02	1.10E+01
4839	480863.09	3861877.25	1.35028	1.10801	3.3319	0.491	1.03E-01	1.18E+01	3.68E-01	2.81E-02	1.23E+01	1.00E-01	4.99E-05	3.68E-02	5.50E-03	1.42E-01	1.12E-01	1.18E+01	3.68E-01	2.81E-02	1.23E+01
4840	481363.09	3861877.25	1.43898	1.16749	2.6244	0.46804	1.10E-01	1.25E+01	2.90E-01	2.68E-02	1.29E+01	1.07E-01	5.26E-05	2.90E-02	5.24E-03	1.41E-01	1.19E-01	1.25E+01	2.90E-01	2.68E-02	1.29E+01
4841	481863.09	3861877.25	1.6186	1.23085	2.5756	0.45182	1.23E-01	1.31E+01	2.85E-01	2.58E-02	1.36E+01	1.20E-01	5.55E-05	2.85E-02	5.06E-03	1.53E-01	1.34E-01	1.31E+01	2.85E-01	2.58E-02	1.36E+01
4842	482363.09	3861877.25	1.66844	1.30023	3.1616	0.48153	1.27E-01	1.39E+01	3.50E-01	2.75E-02	1.44E+01	1.24E-01	5.86E-05	3.50E-02	5.39E-03	1.64E-01	1.39E-01	1.39E+01	3.50E-01	2.75E-02	1.44E+01
4843	482863.09	3861877.25	1.83056	1.43502	3.2605	0.57916	1.40E-01	1.53E+01	3.60E-01	3.31E-02	1.58E+01	1.36E-01	6.47E-05	3.60E-02	6.48E-03	1.78E-01	1.52E-01	1.53E+01	3.60E-01	3.31E-02	1.59E+01
4844	483363.09	3861877.25	2.03276	1.59451	4.5887	0.71186	1.55E-01	1.70E+01	5.07E-01	4.07E-02	1.77E+01	1.50E-01	7.19E-05	5.07E-02	7.97E-03	2.09E-01	1.69E-01	1.70E+01	5.07E-01	4.07E-02	1.77E+01
4845	483863.09	3861877.25	1.95009	1.64211	3.4123	0.65465	1.49E-01	1.75E+01	3.77E-01	3.74E-02	1.81E+01	1.44E-01	7.40E-05	3.77E-02	7.33E-03	1.90E-01	1.62E-01	1.75E+01	3.77E-01	3.74E-02	1.81E+01
4846	484363.09	3861877.25	1.71442	1.96432	3.382	0.60292	1.31E-01	2.10E+01	3.74E-01	3.45E-02	2.15E+01	1.27E-01	8.85E-05	3.74E-02	6.75E-03	1.71E-01	1.42E-01	2.10E+01	3.74E-01	3.45E-02	2.15E+01
4847	484863.09	3861877.25	1.64898	2.06926	3.3241	0.72908	1.26E-01	2.21E+01	3.68E-01	4.17E-02	2.26E+01	1.22E-01	9.33E-05	3.68E-02	8.16E-03	1.67E-01	1.37E-01	2.21E+01	3.68E-01	4.17E-02	2.26E+01
4848	485363.09	3861877.25	1.47096	2.58657	2.4313	0.77988	1.12E-01	2.76E+01	2.69E-01	4.46E-02	2.80E+01	1.09E-01	1.17E-04	2.69E-02	8.73E-03	1.45E-01	1.22E-01	2.76E+01	2.69E-01	4.46E-02	2.80E+01
4849	485863.09	3861877.25	1.54714	2.67897	5.0687	0.69578	1.18E-01	2.86E+01	5.60E-01	3.98E-02	2.93E+01	1.15E-01	1.21E-04	5.60E-02	7.79E-03	1.78E-01	1.28E-01	2.86E+01	5.60E-01	3.98E-02	2.93E+01
4850	486363.09	3861877.25	1.68874	2.56657	2.8542	0.79111	1.29E-01	2.74E+01	3.16E-01	4.52E-02	2.79E+01	1.25E-01	1.16E-04	3.16E-02	8.86E-03	1.66E-01	1.40E-01	2.74E+01	3.16E-01	4.52E-02	2.79E+01
4851	486863.09	3861877.25	1.96516	2.94401	2.2076	0.67532	1.50E-01	3.14E+01	2.44E-01	3.86E-02	3.19E+01	1.45E-01	1.33E-04	2.44E-02	7.56E-03	1.78E-01	1.63E-01	3.14E+01	2.44E-01	3.86E-02	3.19E+01
4852	487363.09	3861877.25	2.28444	3.30164	5.3517	0.53287	1.74E-01	3.52E+01	5.92E-01	3.05E-02	3.60E+01	1.69E-01	1.49E-04	5.92E-02	5.97E-03	2.34E-01	1.90E-01	3.52E+01	5.92E-01	3.05E-02	3.60E+01
4853	487863.09	3861877.25	1.94866	2.62633	5.3517	0.69152	1.49E-01	2.80E+01	5.92E-01	3.95E-02	2.88E+01	1.44E-01	1.18E-04	5.92E-02	7.74E-03	2.11E-01	1.62E-01	2.80E+01	5.92E-01	3.95E-02	2.88E+01
4854	488363.09	3861877.25	2.00554	3.66166	3.5897	0.58538	1.53E-01	3.91E+01	3.97E-01	3.35E-02	3.97E+01	1.48E-01	1.65E-04	3.97E-02	6.55E-03	1.95E-01	1.67E-01	3.91E+01	3.97E-01	3.35E-02	3.97E+01
4855	488863.09	3861877.25	1.96883	3.42931	3.4236	1.8652	1.50E-01	3.66E+01	3.79E-01	1.07E-01	3.72E+01	1.46E-01	1.55E-04	3.79E-02	2.09E-02	2.05E-01	1.63E-01	3.66E+01	3.79E-01	1.07E-01	3.72E+01
4856	489363.09	3861877.25	2.62038	3.84353	1.6465	0.80672	2.00E-01	4.10E+01	1.82E-01	4.61E-02	4.14E+01	1.94E-01	1.73E-04	1.82E-02	9.03E-03	2.21E-01	2.18E-01	4.10E+01	1.82E-01	4.61E-02	4.15E+01
4857	489863.09	3861877.25	2.02114	4.45171	2.8142	1.19037	1.54E-01	4.75E+01	3.11E-01	6.81E-02	4.80E+01	1.50E-01	2.01E-04	3.11E-02	1.33E-02	1.94E-01	1.68E-01	4.75E+01	3.11E-01	6.81E-02	4.81E+01
4858	490363.09	3861877.25	2.06639	4.59555	3.4877	1.11877	1.58E-01	4.90E+01	3.86E-01	6.40E-02	4.96E+01	1.53E-01	2.07E-04	3.86E-02	1.25E-02	2.04E-01	1.72E-01	4.90E+01	3.86E-01	6.40E-02	4.97E+01
4859	490863.09	3861877.25	2.42699	3.78056	4.3789	1.11705	1.85E-01	4.03E+01	4.84E-01	6.39E-02	4.11E+01	1.80E-01	1.70E-04	4.84E-02	1.25E-02	2.41E-01	2.01E-01	4.03E+01	4.84E-01	6.39E-02	4.11E+01
4860	491363.09	3861877.25	2.42045	2.8085	3.592	1.08241	1.84E-01	3.00E+01	3.97E-01	6.19E-02	3.06E+01	1.79E-01	1.27E-04	3.97E-02	1.21E-02	2.31E-01	2.01E-01	3.00E+01	3.97E-01	6.19E-02	3.06E+01
4861	491863.09	3861877.25	2.84743	2.61299	3.2293	1.03195	2.17E-01	2.79E+01	3.57E-01	5.90E-02	2.85E+01	2.11E-01	1.18E-04	3.57E-02	1.16E-02	2.58E-01	2.36E-01	2.79E+01	3.57E-01	5.90E-02	2.85E+01
4862	492363.09	3861877.25	2.10081	2.63515	3.1586	1.04478	1.60E-01	2.81E+01	3.49E-01	5.97E-02	2.87E+01	1.56E-01	1.19E-04	3.49E-02	1.17E-02	2.02E-01	1.74E-01	2.81E+01	3.49E-01	5.97E-02	2.87E+01
4863	492863.09	3861877.25	1.69072	2.53315	2.6235	0.96849	1.29E-01	2.70E+01	2.90E-01	5.54E-02	2.75E+01	1.25E-01	1.14E-04	2.90E-02	1.08E-02	1.65E-01	1.40E-01	2.70E+01	2.90E-01	5.54E-02	2.75E+01
4864	493363.09	3861877.25	1.72046	2.27635	2.8271	0.84616	1.31E-01	2.43E+01	3.13E-01	4.84E-02	2.48E+01	1.27E-01	1.03E-04	3.13E-02	9.47E-03	1.68E-01	1.43E-01	2.43E+01	3.13E-01	4.84E-02	2.48E+01
4865	493863.09	3861877.25	1.44929	2.02052	2.7	0.74219	1.10E-01	2.16E+01	2.99E-01	4.24E-02	2.20E+01	1.07E-01	9.11E-05	2.99E-02	8.31E-03	1.46E-01	1.20E-01	2.16E+01	2.99E-01	4.24E-02	2.20E+01
4866	494363.09	3861877.25	1.18298	1.84093	2.8987	0.68409	9.02E-02	1.96E+01	3.20E-01	3.91E-02	2.01E+01	8.76E-02	8.30E-05	3.20E-02	7.66E-03	1.27E-01	9.82E-02	1.96E+01	3.20E-01	3.91E-02	2.01E+01
4867	494863.09	3861877.25	1.17307	1.59956	2.9544	0.62656	8.94E-02	1.71E+01	3.27E-01	3.58E-02	1.75E+01	8.68E-02	7.21E-05	3.27E-02	7.01E-03	1.27E-01	9.74E-02	1.71E+01	3.27E-01	3.58E-02	1.75E+01
4868	495363.09	3861877.25	1.61501	1.32773	2.5716	0.62026	1.23E-01	1.42E+01	2.84E-01	3.55E-02	1.46E+01	1.20E-01	5.99E-05	2.84E-02	6.94E-03	1.55E-01	1.34E-01	1.42E+01	2.84E-01	3.55E-02	1.46E+01
4869	495863.09	3861877.25	1.89339	1.22177	2.7339	0.64004	1.44E-01	1.30E+01	3.02E-01	3.66E-02	1.35E+01	1.40E-01	5.51E-05	3.02E-02	7.16E-03	1.78E-01	1.57E-01	1.30E+01	3.02E-01	3.66E-02	1.35E+01
4870	496363.09	3861877.25	1.88594	1.16004	2.5861	0.64576	1.44E-01	1.24E+01	2.86E-01	3.69E-02	1.28E+01	1.40E-01	5.23E-05	2.86E-02	7.23E-03	1.75E-01	1.57E-01	1.24E+01	2.86E-01	3.69E-02	1.29E+01
4871	496863.09	3861877.25	1.77912	1.16187	3.1761	0.66316	1.36E-01	1.24E+01	3.51E-01	3.79E-02	1.29E+01	1.32E-01	5.24E-05	3.51E-02	7.42E-03	1.74E-01	1.48E-01	1.24E+01	3.51E-01	3.79E-02	1.29E+01
4872	497363.09	3861877.25	1.52623	1.13204	2.9471	0.64222	1.16E-01	1.21E+01	3.26E-01	3.67E-02	1.26E+01	1.13E-01	5.10E-05	3.26E-02	7.19E-03	1.53E-01	1.27E-01	1.21E+01	3.26E-01	3.67E-02	1.26E+01
4873	497863.09	3861877.25	1.51102	1.08266	2.8435	0.6087	1.15E-01	1.16E+01	3.14E-01	3.48E-02	1.20E+01	1.12E-01	4.88E-05	3.14E-02	6.81E-03	1.50E-01	1.25E-01	1.16E+01	3.14E-01	3.48E-02	1.20E+01
4874	498363.09	3861877.25	1.38473	1.05577	2.4633	0.5842	1.06E-01	1.13E+01	2.72E-01	3.34E-02	1.17E+01	1.03E-01	4.76E-05	2.72E-02	6.54E-03	1.36E-01	1.15E-01	1.13E+01	2.72E-01	3.34E-02	1.17E+01
4875	471363.09	3862377.25	1.00473	0.55645	2.8981	0.35868	7.66E-02	5.94E+00	3.20E-01	2.05E-02	6.36E+00	7.44E-02	2.51E-05	3.20E-02	4.02E-03	1.10E-01	8.34E-02	5.94E+00	3.20E-01	2.05E-02	6.36E+00
4876	471863.09	3862377.25	1.02416	0.55284	2.9846	0.40745	7.81E-02	5.90E+00	3.30E-01	2.33E-02	6.33E+00	7.58E-02	2.49E-05	3.30E-02	4.56E-03	1.13E-01	8.50E-02	5.90E+00	3.30E-01	2.33E-02	6.34E+00

4877	472363.09	3862377.25	1.02575	0.53931	2.8832	0.42892	7.82E-02	5.76E+00	3.19E-01	2.45E-02	6.18E+00	7.59E-02	2.43E-05	3.19E-02	4.80E-03	1.13E-01	8.52E-02	5.76E+00	3.19E-01	2.45E-02	6.18E+00
4878	472863.09	3862377.25	1.00916	0.55516	2.6402	0.39356	7.69E-02	5.92E+00	2.92E-01	2.25E-02	6.32E+00	7.47E-02	2.50E-05	2.92E-02	4.41E-03	1.08E-01	8.38E-02	5.92E+00	2.92E-01	2.25E-02	6.32E+00
4879	473363.09	3862377.25	0.96899	0.57213	2.2648	0.39297	7.39E-02	6.11E+00	2.50E-01	2.25E-02	6.45E+00	7.17E-02	2.58E-05	2.50E-02	4.40E-03	1.01E-01	8.04E-02	6.11E+00	2.50E-01	2.25E-02	6.46E+00
4880	473863.09	3862377.25	0.89964	0.57748	1.8019	0.4311	6.86E-02	6.16E+00	1.99E-01	2.47E-02	6.46E+00	6.66E-02	2.60E-05	1.99E-02	4.83E-03	9.14E-02	7.47E-02	6.16E+00	1.99E-01	2.47E-02	6.46E+00
4881	474363.09	3862377.25	0.79983	0.58463	1.5878	0.46019	6.10E-02	6.24E+00	1.76E-01	2.63E-02	6.50E+00	5.92E-02	2.64E-05	1.76E-02	5.15E-03	8.19E-02	6.64E-02	6.24E+00	1.76E-01	2.63E-02	6.51E+00
4882	474863.09	3862377.25	0.7914	0.58617	2.2007	0.47198	6.03E-02	6.26E+00	2.43E-01	2.70E-02	6.59E+00	5.86E-02	2.64E-05	2.43E-02	5.28E-03	8.82E-02	6.57E-02	6.26E+00	2.43E-01	2.70E-02	6.59E+00
4883	475363.09	3862377.25	0.76592	0.6062	2.7454	0.46116	5.84E-02	6.47E+00	3.04E-01	2.64E-02	6.86E+00	5.67E-02	2.73E-05	3.04E-02	5.16E-03	9.22E-02	6.36E-02	6.47E+00	3.04E-01	2.64E-02	6.86E+00
4884	475863.09	3862377.25	0.75254	0.62231	3.083	0.42393	5.74E-02	6.64E+00	3.41E-01	2.42E-02	7.06E+00	5.57E-02	2.81E-05	3.41E-02	4.75E-03	9.46E-02	6.25E-02	6.64E+00	3.41E-01	2.42E-02	7.07E+00
4885	476363.09	3862377.25	0.81293	0.64436	3.1014	0.42951	6.20E-02	6.88E+00	3.43E-01	2.46E-02	7.31E+00	6.02E-02	2.90E-05	3.43E-02	4.81E-03	9.93E-02	6.75E-02	6.88E+00	3.43E-01	2.46E-02	7.31E+00
4886	476863.09	3862377.25	0.83086	0.66503	2.7555	0.42993	6.33E-02	7.10E+00	3.05E-01	2.46E-02	7.49E+00	6.15E-02	3.00E-05	3.05E-02	4.81E-03	9.68E-02	6.90E-02	7.10E+00	3.05E-01	2.46E-02	7.50E+00
4887	477363.09	3862377.25	0.87317	0.64625	2.4089	0.54158	6.66E-02	6.90E+00	2.66E-01	3.10E-02	7.26E+00	6.46E-02	2.91E-05	2.66E-02	6.06E-03	9.74E-02	7.25E-02	6.90E+00	2.66E-01	3.10E-02	7.27E+00
4888	477863.09	3862377.25	0.95983	0.44857	13.33	2.10131	7.32E-02	4.79E+00	1.47E+00	1.20E-01	6.45E+00	7.11E-02	2.02E-05	1.47E-01	2.35E-02	2.42E-01	7.97E-02	4.79E+00	1.47E+00	1.20E-01	6.46E+00
4889	478363.09	3862377.25	0.9264	0.30733	9.9178	1.79953	7.06E-02	3.28E+00	1.10E+00	1.03E-01	4.55E+00	6.86E-02	1.39E-05	1.10E-01	2.01E-02	1.98E-01	7.69E-02	3.28E+00	1.10E+00	1.03E-01	4.56E+00
4890	478863.09	3862377.25	0.9801	0.31232	3.5365	0.77517	7.47E-02	3.33E+00	3.91E-01	4.43E-02	3.84E+00	7.26E-02	1.41E-05	3.91E-02	8.68E-03	1.20E-01	8.14E-02	3.33E+00	3.91E-01	4.43E-02	3.85E+00
4891	479363.09	3862377.25	1.15979	0.39568	5.694	0.69531	8.84E-02	4.22E+00	6.30E-01	3.98E-02	4.98E+00	8.59E-02	1.78E-05	6.30E-02	7.78E-03	1.57E-01	9.63E-02	4.22E+00	6.30E-01	3.98E-02	4.99E+00
4892	479863.09	3862377.25	1.3098	0.79875	3.7824	0.47514	9.98E-02	8.52E+00	4.18E-01	2.72E-02	9.07E+00	9.70E-02	3.60E-05	4.18E-02	5.32E-03	1.44E-01	1.09E-01	8.52E+00	4.18E-01	2.72E-02	9.08E+00
4893	480363.09	3862377.25	1.20948	0.94522	2.3744	0.47455	9.22E-02	1.01E+01	2.63E-01	2.71E-02	1.05E+01	8.95E-02	4.26E-05	2.63E-02	5.31E-03	1.21E-01	1.00E-01	1.01E+01	2.63E-01	2.71E-02	1.05E+01
4894	480863.09	3862377.25	1.33772	1.02921	2.4313	0.47707	1.02E-01	1.10E+01	2.69E-01	2.73E-02	1.14E+01	9.90E-02	4.64E-05	2.69E-02	5.34E-03	1.31E-01	1.11E-01	1.10E+01	2.69E-01	2.73E-02	1.14E+01
4895	481363.09	3862377.25	1.38246	1.19061	2.7344	0.46899	1.05E-01	1.27E+01	3.02E-01	2.68E-02	1.31E+01	1.02E-01	5.37E-05	3.02E-02	5.25E-03	1.38E-01	1.15E-01	1.27E+01	3.02E-01	2.68E-02	1.31E+01
4896	481863.09	3862377.25	1.43543	1.34233	3.0574	0.49148	1.09E-01	1.43E+01	3.38E-01	2.81E-02	1.48E+01	1.06E-01	6.05E-05	3.38E-02	5.50E-03	1.46E-01	1.19E-01	1.43E+01	3.38E-01	2.81E-02	1.48E+01
4897	482363.09	3862377.25	1.64703	1.42733	3.8237	0.50304	1.26E-01	1.52E+01	4.23E-01	2.88E-02	1.58E+01	1.22E-01	6.43E-05	4.23E-02	5.63E-03	1.70E-01	1.37E-01	1.52E+01	4.23E-01	2.88E-02	1.58E+01
4898	482863.09	3862377.25	1.81534	1.43213	4.3298	0.59681	1.38E-01	1.53E+01	4.79E-01	3.41E-02	1.59E+01	1.34E-01	6.46E-05	4.79E-02	6.68E-03	1.89E-01	1.51E-01	1.53E+01	4.79E-01	3.41E-02	1.59E+01
4899	483363.09	3862377.25	1.88465	1.45873	3.117	0.69758	1.44E-01	1.56E+01	3.45E-01	3.99E-02	1.61E+01	1.40E-01	6.58E-05	3.45E-02	7.81E-03	1.82E-01	1.56E-01	1.56E+01	3.45E-01	3.99E-02	1.61E+01
4900	483863.09	3862377.25	1.67378	1.69344	3.0674	0.6487	1.28E-01	1.81E+01	3.39E-01	3.71E-02	1.86E+01	1.24E-01	7.63E-05	3.39E-02	7.26E-03	1.65E-01	1.39E-01	1.81E+01	3.39E-01	3.71E-02	1.86E+01
4901	484363.09	3862377.25	1.63665	1.62728	2.8921	0.71462	1.25E-01	1.74E+01	3.20E-01	4.09E-02	1.79E+01	1.21E-01	7.34E-05	3.20E-02	8.00E-03	1.61E-01	1.36E-01	1.74E+01	3.20E-01	4.09E-02	1.79E+01
4902	484863.09	3862377.25	1.54393	2.13284	2.6351	0.68335	1.18E-01	2.28E+01	2.91E-01	3.91E-02	2.32E+01	1.14E-01	9.61E-05	2.91E-02	7.65E-03	1.51E-01	1.28E-01	2.28E+01	2.91E-01	3.91E-02	2.32E+01
4903	485363.09	3862377.25	1.3716	2.42101	4.397	0.72103	1.05E-01	2.58E+01	4.86E-01	4.12E-02	2.65E+01	1.02E-01	1.09E-04	4.86E-02	8.07E-03	1.58E-01	1.14E-01	2.58E+01	4.86E-01	4.12E-02	2.65E+01
4904	485863.09	3862377.25	1.45883	2.20348	3.8219	0.8039	1.11E-01	2.35E+01	4.23E-01	4.60E-02	2.41E+01	1.08E-01	9.93E-05	4.23E-02	9.00E-03	1.59E-01	1.21E-01	2.35E+01	4.23E-01	4.60E-02	2.41E+01
4905	486363.09	3862377.25	1.52043	1.77576	1.9199	0.737	1.16E-01	1.90E+01	2.12E-01	4.21E-02	1.93E+01	1.13E-01	8.00E-05	2.12E-02	8.25E-03	1.42E-01	1.26E-01	1.90E+01	2.12E-01	4.21E-02	1.93E+01
4906	486863.09	3862377.25	1.79342	2.55539	2.7694	0.56362	1.37E-01	2.73E+01	3.06E-01	3.22E-02	2.77E+01	1.33E-01	1.15E-04	3.06E-02	6.31E-03	1.70E-01	1.49E-01	2.73E+01	3.06E-01	3.22E-02	2.78E+01
4907	487363.09	3862377.25	2.00119	2.4999	5.3518	0.48185	1.53E-01	2.67E+01	5.92E-01	2.76E-02	2.74E+01	1.48E-01	1.13E-04	5.92E-02	5.39E-03	2.13E-01	1.66E-01	2.67E+01	5.92E-01	2.76E-02	2.75E+01
4908	487863.09	3862377.25	1.7463	2.12822	4.892	0.93425	1.33E-01	2.27E+01	5.41E-01	5.34E-02	2.34E+01	1.29E-01	9.59E-05	5.41E-02	1.05E-02	1.94E-01	1.45E-01	2.27E+01	5.41E-01	5.34E-02	2.35E+01
4909	488363.09	3862377.25	1.73215	2.92439	3.6016	0.6336	1.32E-01	3.12E+01	3.98E-01	3.62E-02	3.18E+01	1.28E-01	1.32E-04	3.98E-02	7.09E-03	1.75E-01	1.44E-01	3.12E+01	3.98E-01	3.62E-02	3.18E+01
4910	488863.09	3862377.25	1.7585	3.08496	3.0121	1.01092	1.34E-01	3.29E+01	3.33E-01	5.78E-02	3.34E+01	1.30E-01	1.39E-04	3.33E-02	1.13E-02	1.75E-01	1.46E-01	3.29E+01	3.33E-01	5.78E-02	3.35E+01
4911	489363.09	3862377.25	2.05486	2.70569	2.0641	0.81013	1.57E-01	2.89E+01	2.28E-01	4.63E-02	2.93E+01	1.52E-01	1.22E-04	2.28E-02	9.07E-03	1.84E-01	1.71E-01	2.89E+01	2.28E-01	4.63E-02	2.93E+01
4912	489863.09	3862377.25	2.40453	3.24709	2.2565	0.87345	1.83E-01	3.47E+01	2.49E-01	4.99E-02	3.51E+01	1.78E-01	1.46E-04	2.49E-02	9.78E-03	2.13E-01	2.00E-01	3.47E+01	2.49E-01	4.99E-02	3.52E+01
4913	490363.09	3862377.25	1.61688	3.58869	3.1371	0.987	1.23E-01	3.83E+01	3.47E-01	5.64E-02	3.88E+01	1.20E-01	1.62E-04	3.47E-02	1.10E-02	1.66E-01	1.34E-01	3.83E+01	3.47E-01	5.64E-02	3.88E+01
4914	490863.09	3862377.25	2.09836	3.68228	3.6415	1.14163	1.60E-01	3.93E+01	4.03E-01	6.53E-02	3.99E+01	1.55E-01	1.66E-04	4.03E-02	1.28E-02	2.09E-01	1.74E-01	3.93E+01	4.03E-01	6.53E-02	3.99E+01
4915	491363.09	3862377.25	2.1021	3.1595	3.7726	0.99996	1.60E-01	3.37E+01	4.17E-01	5.72E-02	3.44E+01	1.56E-01	1.42E-04	4.17E-02	1.12E-02	2.09E-01	1.75E-01	3.37E+01	4.17E-01	5.72E-02	3.44E+01
4916	491863.09	3862377.25	2.17916	2.39785	3.2728	1.01608	1.66E-01	2.56E+01	3.62E-01	5.81E-02	2.62E+01	1.61E-01	1.08E-04	3.62E-02	1.14E-02	2.09E-01	1.81E-01	2.56E+01	3.62E-01	5.81E-02	2.62E+01
4917	492363.09	3862377.25	2.56029	1.99973	2.9913	0.89903	1.95E-01	2.13E+01	3.31E-01	5.14E-02	2.19E+01	1.90E-01	9.01E-05	3.31E-02	1.01E-02	2.33E-01	2.13E-01	2.13E+01	3.31E-01	5.14E-02	2.19E+01
4918	492863.09	3862377.25	1.8704	2.2571	2.9965	0.97775	1.43E-01	2.41E+01	3.31E-01	5.59E-02	2.46E+01	1.38E-01	1.02E-04	3.31E-02	1.09E-02	1.83E-01	1.55E-01	2.41E+01	3.31E-01	5.59E-02	2.46E+01
4919	493363.09	3862377.25	1.73631	2.31452	2.8321	0.97393	1.32E-01	2.47E+01	3.13E-01	5.57E-02	2.52E+01	1.29E-01	1.04E-04	3.13E-02	1.09E-02	1.71E-01	1.44E-01	2.47E+01	3.13E-01	5.57E-02	2.52E+01
4920	493863.09	3862377.25	1.54181	2.23094	2.4289	0.89486	1.18E-01	2.38E+01	2.69E-01	5.12E-02	2.42E+01	1.14E-01	1.01E-04	2.69E-02	1.00E-02	1.51E-01	1.28E-01	2.38E+01	2.69E-01	5.12E-02	2.43E+01
4921	494363.09	3862377.25	1.40469	1.95432	2.6835	0.78028	1.07E-01	2.09E+01	2.97E-01	4.46E-02	2.13E+01	1.04E-01	8.81E-05	2.97E-02	8.73E-03	1.42E-01	1.17E-01	2.09E+01	2.97E-01	4.46E-02	2.13E+01
4922	494863.09	3862377.25	1.09015	1.79963	2.4115	0.72098	8.31E-02	1.92E+01	2.67E-01	4.12E-02	1.96E+01	8.07E-02	8.11E-05	2.67E-02	8.07E-03	1.16E-01	9.05E-02	1.92E+01	2.67E-01	4.12E-02	1.96E+01
4923	495363.09	3862377.25	1.04302	1.63979	2.6976	0.66442	7.95E-02	1.75E+01	2.98E-01	3.80E-02	1.79E+01	7.72E-02	7.39E-05	2.98E-02	7.44E-03	1.15E-01	8.66E-02	1.75E+01	2.98E-01	3.80E-02	1.79E+01
4924	495863.09	3862377.25	1.12452	1.44093	2.6945	0.60613	8.57E-02	1.54E+01	2.98E-01	3.47E-02	1.58E+01	8.33E-02	6.50E-05	2.98E-02	6.79E-03	1.20E-01	9.34E-02	1.54E+01	2.98E-01	3.47E-02	1.58E+01
4925	496363.09	3862377.25	1.50498	1.22333	2.3268	0.54349	1.15E-01	1.31E+01	2.57E-01	3.11E-02	1.35E+01	1.11E-01	5.51E-05	2.57E-02	6.08E-03	1.43E-01	1.25E-01	1.31E+01	2.57E-01	3.11E-02	1.35E+01
4926	496863.09	3862377.25	1.70226	1.06027	2.4994	0.58392	1.30E-01	1.13E+01	2.76E-01	3.34E-02	1.18E+01	1.26E-01	4.78E-05	2.76E-02	6.54E-03	1.60E-01	1.41E-01	1.13E+01	2.76E-01	3.34E-02	1.18E+01
4927	497363.09	3862377.25	1.63702	1.01225	2.3627	0.60622	1.25E-01	1.08E+01	2.61E-01	3.47E-02	1.12E+01	1.21E-01	4.56E-05	2.61E-02	6.79E-03	1.54E-01	1.36E-01	1.08E+01	2.61E-01	3.47E-02	1.12E+01
4928	497863.09	3862377.25	1.42283	0.95378	2.0781	0.61681	1.08E-01	1.02E+01	2.30E-01	3.53E-02	1.06E+01	1.05E-01	4.30E-05	2.30E-02	6.90E-03	1.35E-01	1.18E-01	1.02E+01	2.30E-01	3.53E-02	1.06E+01
4929	498363.09	3862377.25	1.28008	0.9376	2.4881	0.61163	9.76E-02	1.00E+01	2.75E-01	3.50E-02	1.04E+01	9.48E-02	4.23E-05	2.75E-02	6.85E-03	1.29E-01	1.06E-01	1.00E+01	2.75E-01	3.50E-02	1.04E+01
4930	471363.09	3862877.25	0.95839	0.49369	2.4122	0.42589	7.30E-02	5.27E+00	2.67E-01	2.44E-02	5.63E+00	7.10E-02	2.23E-05	2.67E-02	4.77E-03	1.02E-01	7.96E-02	5.27E+00	2.67E-01	2.44E-02	5.64E+00
4931	471863.09	3862877.25	0.93248	0.48496	2.0377	0.39797	7.11E-02	5.18E+00	2.25E-01	2.28E-02	5.49E+00	6.90E-02	2.19E-05	2.25E-02	4.46E-03	9.60E-02	7.74E-02	5.18E+00	2.25E-01	2.28E-02	5.50E+00
4932	472363.09	3862877.25	0.88349	0.48817	1.6228	0.35288	6.73E-02	5.21E+00	1.79E-01	2.02E-02	5.48E+00	6.54E-02	2.20E-05	1.79E-02	3.95E-03	8.73E-02	7.33E-02	5.21E+00	1.79E-01	2.02E-02	5.48E+00
4933	472863.09	3862877.25	0.81004	0.48137	1.5791	0.38926	6.17E-02	5.14E+00	1.75E-01	2.23E-02	5.40E+00	6.00E-02	2.17E-05	1.75E-02	4.36E-03	8.18E-02	6.73E-02	5.14E+00	1.75E-01	2.23E-02	5.40E+00
4934	473363.09	3862877.25	0.745	0.48477	2.1366	0.42015	5.68E-02	5.17E+00	2.36E-01	2.40E-02	5.49E+00	5.52E-02	2.19E-05	2.36E-02	4.70E-03	8.35E-02	6.19E-02	5.17E+00	2.36E-01	2.40E-02	5.50E+00
4935	473863.09	3862877.25	0.74115	0.50237	2.6548	0.43928	5.65E-02	5.36E+00	2.94E-01	2.51E-02	5.74E+00	5.49E-02	2.26E-05	2.94E-02	4.92E-03	8.92E-02	6.15E-02	5.36E+00	2.94E-01	2.51E-02	5.74E+00
4936	474363.09	3862877.25	0.71697	0.526	3.015	0.43991	5.46E-02	5.61E+00	3.33E-01	2.52E-02	6.03E+00	5.31E-02	2.37E-05	3.33E-02	4.92E-03	9.14E-02	5.95E-02	5.61E+00	3.33E-01	2.52E-02	6.03E+00
4937	474863.09	3862877.25	0.6699	0.55585	3.1069	0.41838	5.11E-02	5.93E+00	3.44E-01	2.39E-02	6.35E+00	4.96E-02	2.51E-05	3.44E-02	4.68E-03	8.87E-02	5.56E-02	5.93E+00	3.44E-01	2.39E-02	6.35E+00

4938	475363.09	3862877.25	0.69144	0.60722	2.8448	0.39273	5.27E-02	6.48E+00	3.15E-01	2.25E-02	6.87E+00	5.12E-02	2.74E-05	3.15E-02	4.40E-03	8.71E-02	5.74E-02	6.48E+00	3.15E-01	2.25E-02	6.87E+00
4939	475863.09	3862877.25	0.74008	0.66225	2.2879	0.41853	5.64E-02	7.07E+00	2.53E-01	2.39E-02	7.40E+00	5.48E-02	2.99E-05	2.53E-02	4.69E-03	8.48E-02	6.14E-02	7.07E+00	2.53E-01	2.39E-02	7.41E+00
4940	476363.09	3862877.25	0.79785	0.70044	2.1459	0.40121	6.08E-02	7.47E+00	2.37E-01	2.29E-02	7.80E+00	5.91E-02	3.16E-05	2.37E-02	4.49E-03	8.73E-02	6.62E-02	7.47E+00	2.37E-01	2.29E-02	7.80E+00
4941	476863.09	3862877.25	0.83245	0.70769	2.2105	0.40954	6.35E-02	7.55E+00	2.44E-01	2.34E-02	7.88E+00	6.16E-02	3.19E-05	2.44E-02	4.58E-03	9.07E-02	6.91E-02	7.55E+00	2.44E-01	2.34E-02	7.89E+00
4942	477363.09	3862877.25	0.92766	0.67942	2.186	0.44451	7.07E-02	7.25E+00	2.42E-01	2.54E-02	7.59E+00	6.87E-02	3.06E-05	2.42E-02	4.98E-03	9.79E-02	7.70E-02	7.25E+00	2.42E-01	2.54E-02	7.59E+00
4943	477863.09	3862877.25	1.09763	0.56288	3.1053	0.56519	8.37E-02	6.01E+00	3.43E-01	3.23E-02	6.47E+00	8.13E-02	2.54E-05	3.43E-02	6.33E-03	1.22E-01	9.11E-02	6.01E+00	3.43E-01	3.23E-02	6.47E+00
4944	478363.09	3862877.25	1.06102	0.38246	5.0562	0.79971	8.09E-02	4.08E+00	5.59E-01	4.57E-02	4.77E+00	7.86E-02	1.72E-05	5.59E-02	8.95E-03	1.43E-01	8.81E-02	4.08E+00	5.59E-01	4.57E-02	4.77E+00
4945	478863.09	3862877.25	1.13682	0.41648	5.1012	0.82834	8.66E-02	4.44E+00	5.64E-01	4.74E-02	5.14E+00	8.42E-02	1.88E-05	5.64E-02	9.27E-03	1.50E-01	9.44E-02	4.44E+00	5.64E-01	4.74E-02	5.15E+00
4946	479363.09	3862877.25	1.15714	0.47504	3.0455	0.74373	8.82E-02	5.07E+00	3.37E-01	4.25E-02	5.54E+00	8.57E-02	2.14E-05	3.37E-02	8.33E-03	1.28E-01	9.61E-02	5.07E+00	3.37E-01	4.25E-02	5.54E+00
4947	479863.09	3862877.25	1.11535	0.92691	2.2449	0.43018	8.50E-02	9.89E+00	2.48E-01	2.46E-02	1.02E+01	8.26E-02	4.18E-05	2.48E-02	4.82E-03	1.12E-01	9.26E-02	9.89E+00	2.48E-01	2.46E-02	1.03E+01
4948	480363.09	3862877.25	1.23413	0.96891	2.3053	0.50203	9.41E-02	1.03E+01	2.55E-01	2.87E-02	1.07E+01	9.14E-02	4.37E-05	2.55E-02	5.62E-03	1.23E-01	1.02E-01	1.03E+01	2.55E-01	2.87E-02	1.07E+01
4949	480863.09	3862877.25	1.3026	1.14372	2.7547	0.46204	9.93E-02	1.22E+01	3.05E-01	2.64E-02	1.26E+01	9.64E-02	5.16E-05	3.05E-02	5.17E-03	1.32E-01	1.08E-01	1.22E+01	3.05E-01	2.64E-02	1.26E+01
4950	481363.09	3862877.25	1.28585	1.27351	2.8366	0.46496	9.80E-02	1.36E+01	3.14E-01	2.66E-02	1.40E+01	9.52E-02	5.74E-05	3.14E-02	5.20E-03	1.32E-01	1.07E-01	1.36E+01	3.14E-01	2.66E-02	1.40E+01
4951	481863.09	3862877.25	1.44098	1.27671	4.1887	0.49597	1.10E-01	1.36E+01	4.63E-01	2.84E-02	1.42E+01	1.07E-01	5.76E-05	4.63E-02	5.55E-03	1.59E-01	1.20E-01	1.36E+01	4.63E-01	2.84E-02	1.42E+01
4952	482363.09	3862877.25	1.60581	1.21517	3.7615	0.53828	1.22E-01	1.30E+01	4.16E-01	3.08E-02	1.35E+01	1.19E-01	5.48E-05	4.16E-02	6.03E-03	1.67E-01	1.33E-01	1.30E+01	4.16E-01	3.08E-02	1.35E+01
4953	482863.09	3862877.25	1.74837	1.34747	2.8224	0.60547	1.33E-01	1.44E+01	3.12E-01	3.46E-02	1.49E+01	1.29E-01	6.07E-05	3.12E-02	6.78E-03	1.67E-01	1.45E-01	1.44E+01	3.12E-01	3.46E-02	1.49E+01
4954	483363.09	3862877.25	1.66256	1.3636	2.8186	0.67954	1.27E-01	1.46E+01	3.12E-01	3.89E-02	1.50E+01	1.23E-01	6.15E-05	3.12E-02	7.61E-03	1.62E-01	1.38E-01	1.46E+01	3.12E-01	3.89E-02	1.50E+01
4955	483863.09	3862877.25	1.52323	1.31344	2.6762	0.66052	1.16E-01	1.40E+01	2.96E-01	3.78E-02	1.45E+01	1.13E-01	5.92E-05	2.96E-02	7.39E-03	1.50E-01	1.26E-01	1.40E+01	2.96E-01	3.78E-02	1.45E+01
4956	484363.09	3862877.25	1.58192	1.73164	2.666	0.66501	1.21E-01	1.85E+01	2.95E-01	3.80E-02	1.89E+01	1.17E-01	7.81E-05	2.95E-02	7.44E-03	1.54E-01	1.31E-01	1.85E+01	2.95E-01	3.80E-02	1.89E+01
4957	484863.09	3862877.25	1.45346	2.13075	3.1618	0.72095	1.11E-01	2.27E+01	3.50E-01	4.12E-02	2.32E+01	1.08E-01	9.61E-05	3.50E-02	8.07E-03	1.51E-01	1.21E-01	2.27E+01	3.50E-01	4.12E-02	2.33E+01
4958	485363.09	3862877.25	1.29642	1.92431	4.7893	0.78531	9.88E-02	2.05E+01	5.30E-01	4.49E-02	2.12E+01	9.60E-02	8.67E-05	5.30E-02	8.79E-03	1.58E-01	1.08E-01	2.05E+01	5.30E-01	4.49E-02	2.12E+01
4959	485863.09	3862877.25	1.35498	1.60726	3.5006	0.7589	1.03E-01	1.72E+01	3.87E-01	4.34E-02	1.77E+01	1.00E-01	7.25E-05	3.87E-02	8.50E-03	1.48E-01	1.12E-01	1.72E+01	3.87E-01	4.34E-02	1.77E+01
4960	486363.09	3862877.25	1.37253	1.75424	1.9871	0.55079	1.05E-01	1.87E+01	2.20E-01	3.15E-02	1.91E+01	1.02E-01	7.91E-05	2.20E-02	6.17E-03	1.30E-01	1.14E-01	1.87E+01	2.20E-01	3.15E-02	1.91E+01
4961	486863.09	3862877.25	1.66271	2.04495	3.1986	0.46644	1.27E-01	2.18E+01	3.54E-01	2.67E-02	2.23E+01	1.23E-01	9.22E-05	3.54E-02	5.22E-03	1.64E-01	1.38E-01	2.18E+01	3.54E-01	2.67E-02	2.23E+01
4962	487363.09	3862877.25	1.80405	2.01698	5.2192	0.5842	1.38E-01	2.15E+01	5.77E-01	3.34E-02	2.23E+01	1.34E-01	9.09E-05	5.77E-02	6.54E-03	1.98E-01	1.50E-01	2.15E+01	5.77E-01	3.34E-02	2.23E+01
4963	487863.09	3862877.25	1.57608	1.77569	4.4654	0.99596	1.20E-01	1.89E+01	4.94E-01	5.70E-02	1.96E+01	1.17E-01	8.00E-05	4.94E-02	1.11E-02	1.77E-01	1.31E-01	1.89E+01	4.94E-01	5.70E-02	1.96E+01
4964	488363.09	3862877.25	1.39144	2.37281	3.5456	0.63664	1.06E-01	2.53E+01	3.92E-01	3.64E-02	2.59E+01	1.03E-01	1.07E-04	3.92E-02	7.13E-03	1.49E-01	1.16E-01	2.53E+01	3.92E-01	3.64E-02	2.59E+01
4965	488863.09	3862877.25	1.74322	2.73274	2.508	0.57345	1.33E-01	2.92E+01	2.77E-01	3.28E-02	2.96E+01	1.29E-01	1.23E-04	2.77E-02	6.42E-03	1.63E-01	1.45E-01	2.92E+01	2.77E-01	3.28E-02	2.96E+01
4966	489363.09	3862877.25	1.5812	2.2662	2.5498	0.71449	1.21E-01	2.42E+01	2.82E-01	4.09E-02	2.46E+01	1.17E-01	1.02E-04	2.82E-02	8.00E-03	1.53E-01	1.31E-01	2.42E+01	2.82E-01	4.09E-02	2.46E+01
4967	489863.09	3862877.25	2.14663	2.42385	1.6259	0.87114	1.64E-01	2.59E+01	1.80E-01	4.98E-02	2.63E+01	1.59E-01	1.09E-04	1.80E-02	9.75E-03	1.87E-01	1.78E-01	2.59E+01	1.80E-01	4.98E-02	2.63E+01
4968	490363.09	3862877.25	1.98743	2.71958	2.4337	0.91367	1.51E-01	2.90E+01	2.69E-01	5.22E-02	2.95E+01	1.47E-01	1.23E-04	2.69E-02	1.02E-02	1.84E-01	1.65E-01	2.90E+01	2.69E-01	5.22E-02	2.95E+01
4969	490863.09	3862877.25	1.55154	3.01871	3.0437	0.98158	1.18E-01	3.22E+01	3.37E-01	5.61E-02	3.27E+01	1.15E-01	1.36E-04	3.37E-02	1.10E-02	1.60E-01	1.29E-01	3.22E+01	3.37E-01	5.61E-02	3.27E+01
4970	491363.09	3862877.25	2.06444	3.04389	3.9761	1.11853	1.57E-01	3.25E+01	4.40E-01	6.40E-02	3.31E+01	1.53E-01	1.37E-04	4.40E-02	1.25E-02	2.09E-01	1.71E-01	3.25E+01	4.40E-01	6.40E-02	3.32E+01
4971	491863.09	3862877.25	1.7911	2.6605	3.0466	0.99079	1.37E-01	2.84E+01	3.37E-01	5.67E-02	2.89E+01	1.33E-01	1.20E-04	3.37E-02	1.11E-02	1.77E-01	1.49E-01	2.84E+01	3.37E-01	5.67E-02	2.89E+01
4972	492363.09	3862877.25	1.98782	2.19093	2.9738	0.94752	1.52E-01	2.34E+01	3.29E-01	5.42E-02	2.39E+01	1.47E-01	9.88E-05	3.29E-02	1.06E-02	1.91E-01	1.65E-01	2.34E+01	3.29E-01	5.42E-02	2.39E+01
4973	492863.09	3862877.25	2.32775	1.70242	2.7954	0.88207	1.77E-01	1.82E+01	3.09E-01	5.04E-02	1.87E+01	1.72E-01	7.67E-05	3.09E-02	9.87E-03	2.13E-01	1.93E-01	1.82E+01	3.09E-01	5.04E-02	1.87E+01
4974	493363.09	3862877.25	1.65054	1.79878	2.8638	0.86499	1.26E-01	1.92E+01	3.17E-01	4.95E-02	1.97E+01	1.22E-01	8.11E-05	3.17E-02	9.68E-03	1.64E-01	1.37E-01	1.92E+01	3.17E-01	4.95E-02	1.97E+01
4975	493863.09	3862877.25	1.73726	2.0394	3.1383	0.93448	1.32E-01	2.18E+01	3.47E-01	5.34E-02	2.23E+01	1.29E-01	9.19E-05	3.47E-02	1.05E-02	1.74E-01	1.44E-01	2.18E+01	3.47E-01	5.34E-02	2.23E+01
4976	494363.09	3862877.25	1.38555	2.09221	2.2719	0.91227	1.06E-01	2.23E+01	2.51E-01	5.22E-02	2.27E+01	1.03E-01	9.43E-05	2.51E-02	1.02E-02	1.38E-01	1.15E-01	2.23E+01	2.51E-01	5.22E-02	2.27E+01
4977	494863.09	3862877.25	1.31581	1.96383	2.4842	0.82462	1.00E-01	2.10E+01	2.75E-01	4.72E-02	2.14E+01	9.74E-02	8.85E-05	2.75E-02	9.23E-03	1.34E-01	1.09E-01	2.10E+01	2.75E-01	4.72E-02	2.14E+01
4978	495363.09	3862877.25	1.08971	1.69428	2.2667	0.71864	8.31E-02	1.81E+01	2.51E-01	4.11E-02	1.85E+01	8.07E-02	7.64E-05	2.51E-02	8.04E-03	1.14E-01	9.05E-02	1.81E+01	2.51E-01	4.11E-02	1.85E+01
4979	495863.09	3862877.25	0.96594	1.60279	2.3505	0.69158	7.36E-02	1.71E+01	2.60E-01	3.95E-02	1.75E+01	7.15E-02	7.23E-05	2.60E-02	7.74E-03	1.05E-01	8.02E-02	1.71E+01	2.60E-01	3.95E-02	1.75E+01
4980	496363.09	3862877.25	0.90824	1.48545	2.7197	0.64677	6.92E-02	1.59E+01	3.01E-01	3.70E-02	1.63E+01	6.72E-02	6.70E-05	3.01E-02	7.24E-03	1.05E-01	7.54E-02	1.59E+01	3.01E-01	3.70E-02	1.63E+01
4981	496863.09	3862877.25	1.13368	1.32222	2.5339	0.59215	8.64E-02	1.41E+01	2.80E-01	3.39E-02	1.45E+01	8.39E-02	5.96E-05	2.80E-02	6.63E-03	1.19E-01	9.41E-02	1.41E+01	2.80E-01	3.39E-02	1.45E+01
4982	497363.09	3862877.25	1.40732	1.13993	2.1522	0.53067	1.07E-01	1.22E+01	2.38E-01	3.03E-02	1.25E+01	1.04E-01	5.14E-05	2.38E-02	5.94E-03	1.34E-01	1.17E-01	1.22E+01	2.38E-01	3.03E-02	1.26E+01
4983	497863.09	3862877.25	1.50502	0.96427	2.2649	0.49556	1.15E-01	1.03E+01	2.50E-01	2.83E-02	1.07E+01	1.11E-01	4.35E-05	2.50E-02	5.55E-03	1.42E-01	1.25E-01	1.03E+01	2.50E-01	2.83E-02	1.07E+01
4984	498363.09	3862877.25	1.44289	0.90095	2.1837	0.54136	1.10E-01	9.61E+00	2.41E-01	3.10E-02	1.00E+01	1.07E-01	4.06E-05	2.41E-02	6.06E-03	1.37E-01	1.20E-01	9.61E+00	2.41E-01	3.10E-02	1.00E+01
4985	471363.09	3863377.25	0.80725	0.4087	1.5612	0.3378	6.15E-02	4.36E+00	1.73E-01	1.93E-02	4.61E+00	5.98E-02	1.84E-05	1.73E-02	3.78E-03	8.08E-02	6.70E-02	4.36E+00	1.73E-01	1.93E-02	4.62E+00
4986	471863.09	3863377.25	0.73246	0.41465	2.0658	0.35664	5.58E-02	4.43E+00	2.28E-01	2.04E-02	4.73E+00	5.42E-02	1.87E-05	2.28E-02	3.99E-03	8.11E-02	6.08E-02	4.43E+00	2.28E-01	2.04E-02	4.73E+00
4987	472363.09	3863377.25	0.69918	0.43357	2.5633	0.38745	5.33E-02	4.63E+00	2.83E-01	2.22E-02	4.99E+00	5.18E-02	1.95E-05	2.83E-02	4.34E-03	8.45E-02	5.80E-02	4.63E+00	2.83E-01	2.22E-02	4.99E+00
4988	472863.09	3863377.25	0.69708	0.45446	2.9521	0.41035	5.31E-02	4.85E+00	3.26E-01	2.35E-02	5.25E+00	5.16E-02	2.05E-05	3.26E-02	4.59E-03	8.89E-02	5.79E-02	4.85E+00	3.26E-01	2.35E-02	5.26E+00
4989	473363.09	3863377.25	0.67354	0.48215	3.1233	0.42007	5.13E-02	5.15E+00	3.45E-01	2.40E-02	5.57E+00	4.99E-02	2.17E-05	3.45E-02	4.70E-03	8.91E-02	5.59E-02	5.15E+00	3.45E-01	2.40E-02	5.57E+00
4990	473863.09	3863377.25	0.62968	0.51638	2.9863	0.41162	4.80E-02	5.51E+00	3.30E-01	2.35E-02	5.91E+00	4.66E-02	2.33E-05	3.30E-02	4.61E-03	8.43E-02	5.23E-02	5.51E+00	3.30E-01	2.35E-02	5.92E+00
4991	474363.09	3863377.25	0.60222	0.54851	2.5603	0.38383	4.59E-02	5.85E+00	2.83E-01	2.19E-02	6.20E+00	4.46E-02	2.47E-05	2.83E-02	4.30E-03	7.72E-02	5.00E-02	5.85E+00	2.83E-01	2.19E-02	6.21E+00
4992	474863.09	3863377.25	0.66442	0.57582	2.0461	0.37239	5.06E-02	6.14E+00	2.26E-01	2.13E-02	6.44E+00	4.92E-02	2.60E-05	2.26E-02	4.17E-03	7.60E-02	5.52E-02	6.15E+00	2.26E-01	2.13E-02	6.45E+00
4993	475363.09	3863377.25	0.71329	0.58666	2.021	0.42977	5.44E-02	6.26E+00	2.23E-01	2.46E-02	6.56E+00	5.28E-02	2.64E-05	2.23E-02	4.81E-03	8.00E-02	5.92E-02	6.26E+00	2.23E-01	2.46E-02	6.57E+00
4994	475863.09	3863377.25	0.76716	0.59059	2.0526	0.39628	5.85E-02	6.30E+00	2.27E-01	2.27E-02	6.61E+00	5.68E-02	2.66E-05	2.27E-02	4.44E-03	8.40E-02	6.37E-02	6.30E+00	2.27E-01	2.27E-02	6.62E+00
4995	476363.09	3863377.25	0.79254	0.60195	2.0116	0.38084	6.04E-02	6.42E+00	2.22E-01	2.18E-02	6.73E+00	5.87E-02	2.71E-05	2.22E-02	4.26E-03	8.52E-02	6.58E-02	6.42E+00	2.22E-01	2.18E-02	6.73E+00
4996	476863.09	3863377.25	0.87762	0.63231	2.9255	0.39616	6.69E-02	6.75E+00	3.23E-01	2.27E-02	7.16E+00	6.50E-02	2.85E-05	3.23E-02	4.43E-03	1.02E-01	7.29E-02	6.75E+00	3.23E-01	2.27E-02	7.17E+00
4997	477363.09	3863377.25	1.00531	0.65671	3.5769	0.42719	7.66E-02	7.01E+00	3.95E-01	2.44E-02	7.50E+00	7.44E-02	2.96E-05	3.95E-02	4.78E-03	1.19E-01	8.35E-02	7.01E+00	3.95E-01	2.44E-02	7.51E+00
4998	477863.09	3863377.25	1.06945	0.66727	3.547	0.46678	8.15E-02	7.12E+00	3.92E-01	2.67E-02	7.62E+00	7.92E-02	3.01E-05	3.92E-02	5.23E-03	1.24E-01	8.88E-02	7.12E+00	3.92E-01	2.67E-02	7.63E+00

4999	478363.09	3863377.25	1.16223	0.65593	2.8385	0.75121		8.86E-02	7.00E+00	3.14E-01	4.30E-02	7.45E+00		8.60E-02	2.96E-05	3.14E-02	8.41E-03	1.26E-01		9.65E-02	7.00E+00	3.14E-01	4.30E-02	7.45E+00
5000	478863.09	3863377.25	1.14061	0.736	2.0625	0.77534		8.69E-02	7.85E+00	2.28E-01	4.43E-02	8.21E+00		8.44E-02	3.32E-05	2.28E-02	8.68E-03	1.16E-01		9.47E-02	7.85E+00	2.28E-01	4.43E-02	8.22E+00
5001	479363.09	3863377.25	1.03372	0.87059	2.0301	0.42555		7.88E-02	9.29E+00	2.24E-01	2.43E-02	9.62E+00		7.65E-02	3.92E-05	2.24E-02	4.76E-03	1.04E-01		8.58E-02	9.29E+00	2.24E-01	2.43E-02	9.63E+00
5002	479863.09	3863377.25	1.12442	0.90869	2.4043	0.48936		8.57E-02	9.70E+00	2.66E-01	2.80E-02	1.01E+01		8.32E-02	4.10E-05	2.66E-02	5.48E-03	1.15E-01		9.34E-02	9.70E+00	2.66E-01	2.80E-02	1.01E+01
5003	480363.09	3863377.25	1.2169	0.98958	2.6456	0.49321		9.28E-02	1.06E+01	2.93E-01	2.82E-02	1.10E+01		9.01E-02	4.46E-05	2.93E-02	5.52E-03	1.25E-01		1.01E-01	1.06E+01	2.93E-01	2.82E-02	1.10E+01
5004	480863.09	3863377.25	1.22299	1.10388	2.8853	0.48014		9.32E-02	1.18E+01	3.19E-01	2.75E-02	1.22E+01		9.05E-02	4.98E-05	3.19E-02	5.37E-03	1.28E-01		1.02E-01	1.18E+01	3.19E-01	2.75E-02	1.22E+01
5005	481363.09	3863377.25	1.18287	1.14648	3.8388	0.51863		9.02E-02	1.22E+01	4.24E-01	2.97E-02	1.28E+01		8.76E-02	5.17E-05	4.24E-02	5.81E-03	1.36E-01		9.82E-02	1.22E+01	4.24E-01	2.97E-02	1.28E+01
5006	481863.09	3863377.25	1.43735	1.11992	3.3014	0.55847		1.10E-01	1.20E+01	3.65E-01	3.19E-02	1.25E+01		1.06E-01	5.05E-05	3.65E-02	6.25E-03	1.49E-01		1.19E-01	1.20E+01	3.65E-01	3.19E-02	1.25E+01
5007	482363.09	3863377.25	1.55495	1.21264	2.5643	0.60104		1.19E-01	1.29E+01	2.84E-01	3.44E-02	1.34E+01		1.15E-01	5.47E-05	2.84E-02	6.73E-03	1.50E-01		1.29E-01	1.29E+01	2.84E-01	3.44E-02	1.34E+01
5008	482863.09	3863377.25	1.60188	1.18026	2.4803	0.62436		1.22E-01	1.26E+01	2.74E-01	3.57E-02	1.30E+01		1.19E-01	5.32E-05	2.74E-02	6.99E-03	1.53E-01		1.33E-01	1.26E+01	2.74E-01	3.57E-02	1.30E+01
5009	483363.09	3863377.25	1.46087	1.131	2.5094	0.64677		1.11E-01	1.21E+01	2.77E-01	3.70E-02	1.25E+01		1.08E-01	5.10E-05	2.77E-02	7.24E-03	1.43E-01		1.21E-01	1.21E+01	2.77E-01	3.70E-02	1.25E+01
5010	483863.09	3863377.25	1.40421	1.40733	2.4746	0.67665		1.07E-01	1.50E+01	2.74E-01	3.87E-02	1.54E+01		1.04E-01	6.34E-05	2.74E-02	7.57E-03	1.39E-01		1.17E-01	1.50E+01	2.74E-01	3.87E-02	1.54E+01
5011	484363.09	3863377.25	1.50117	1.79822	2.0614	0.70729		1.14E-01	1.92E+01	2.28E-01	4.04E-02	1.96E+01		1.11E-01	8.11E-05	2.28E-02	7.92E-03	1.42E-01		1.25E-01	1.92E+01	2.28E-01	4.04E-02	1.96E+01
5012	484863.09	3863377.25	1.39145	1.77088	4.5566	0.74825		1.06E-01	1.89E+01	5.04E-01	4.28E-02	1.96E+01		1.03E-01	7.98E-05	5.04E-02	8.38E-03	1.62E-01		1.16E-01	1.89E+01	5.04E-01	4.28E-02	1.96E+01
5013	485363.09	3863377.25	1.22141	1.43663	3.3866	0.75621		9.31E-02	1.53E+01	3.74E-01	4.32E-02	1.58E+01		9.04E-02	6.48E-05	3.74E-02	8.47E-03	1.36E-01		1.01E-01	1.53E+01	3.74E-01	4.32E-02	1.59E+01
5014	485863.09	3863377.25	1.25913	1.23746	2.7394	0.59383		9.60E-02	1.32E+01	3.03E-01	3.40E-02	1.36E+01		9.32E-02	5.58E-05	3.03E-02	6.65E-03	1.30E-01		1.05E-01	1.32E+01	3.03E-01	3.40E-02	1.36E+01
5015	486363.09	3863377.25	1.26222	1.78948	2.0766	0.68159		9.62E-02	1.91E+01	2.30E-01	3.90E-02	1.95E+01		9.34E-02	8.07E-05	2.30E-02	7.63E-03	1.24E-01		1.05E-01	1.91E+01	2.30E-01	3.90E-02	1.95E+01
5016	486863.09	3863377.25	1.55684	1.87777	3.516	0.49306		1.19E-01	2.00E+01	3.89E-01	2.82E-02	2.06E+01		1.15E-01	8.46E-05	3.89E-02	5.52E-03	1.60E-01		1.29E-01	2.00E+01	3.89E-01	2.82E-02	2.06E+01
5017	487363.09	3863377.25	1.669	1.82843	5.0228	0.69209		1.27E-01	1.95E+01	5.55E-01	3.96E-02	2.02E+01		1.24E-01	8.24E-05	5.55E-02	7.75E-03	1.87E-01		1.39E-01	1.95E+01	5.55E-01	3.96E-02	2.02E+01
5018	487863.09	3863377.25	1.45553	1.49777	4.0832	0.97083		1.11E-01	1.60E+01	4.51E-01	5.55E-02	1.66E+01		1.08E-01	6.75E-05	4.51E-02	1.09E-02	1.64E-01		1.21E-01	1.60E+01	4.51E-01	5.55E-02	1.66E+01
5019	488363.09	3863377.25	1.4114	1.87964	3.4215	0.59218		1.08E-01	2.01E+01	3.78E-01	3.39E-02	2.06E+01		1.04E-01	8.47E-05	3.78E-02	6.63E-03	1.49E-01		1.17E-01	2.01E+01	3.78E-01	3.39E-02	2.06E+01
5020	488863.09	3863377.25	1.56551	2.4039	2.0282	0.52014		1.19E-01	2.57E+01	2.24E-01	2.97E-02	2.60E+01		1.16E-01	1.08E-04	2.24E-02	5.82E-03	1.44E-01		1.30E-01	2.57E+01	2.24E-01	2.97E-02	2.60E+01
5021	489363.09	3863377.25	1.45051	1.95601	2.7441	0.6258		1.11E-01	2.09E+01	3.03E-01	3.58E-02	2.13E+01		1.07E-01	8.82E-05	3.03E-02	7.01E-03	1.45E-01		1.20E-01	2.09E+01	3.03E-01	3.58E-02	2.13E+01
5022	489863.09	3863377.25	1.68671	1.86102	1.6161	0.80302		1.29E-01	1.99E+01	1.79E-01	4.59E-02	2.02E+01		1.25E-01	8.39E-05	1.79E-02	8.99E-03	1.52E-01		1.40E-01	1.99E+01	1.79E-01	4.59E-02	2.02E+01
5023	490363.09	3863377.25	2.07421	2.15117	1.9143	0.85964		1.58E-01	2.30E+01	2.12E-01	4.92E-02	2.34E+01		1.54E-01	9.70E-05	2.12E-02	9.62E-03	1.84E-01		1.72E-01	2.30E+01	2.12E-01	4.92E-02	2.34E+01
5024	490863.09	3863377.25	1.5284	2.26775	2.6734	0.90444		1.16E-01	2.42E+01	2.96E-01	5.17E-02	2.47E+01		1.13E-01	1.02E-04	2.96E-02	1.01E-02	1.53E-01		1.27E-01	2.42E+01	2.96E-01	5.17E-02	2.47E+01
5025	491363.09	3863377.25	1.40725	2.67562	2.8244	0.94967		1.07E-01	2.86E+01	3.12E-01	5.43E-02	2.90E+01		1.04E-01	1.21E-04	3.12E-02	1.06E-02	1.46E-01		1.17E-01	2.86E+01	3.12E-01	5.43E-02	2.90E+01
5026	491863.09	3863377.25	1.93653	2.56751	3.6934	1.05282		1.48E-01	2.74E+01	4.08E-01	6.02E-02	2.80E+01		1.43E-01	1.16E-04	4.08E-02	1.18E-02	1.96E-01		1.61E-01	2.74E+01	4.08E-01	6.02E-02	2.80E+01
5027	492363.09	3863377.25	1.55419	2.31	2.9278	1.07674		1.18E-01	2.47E+01	3.24E-01	6.16E-02	2.52E+01		1.15E-01	1.04E-04	3.24E-02	1.21E-02	1.60E-01		1.29E-01	2.47E+01	3.24E-01	6.16E-02	2.52E+01
5028	492863.09	3863377.25	1.88544	2.0201	3.2286	1.00764		1.44E-01	2.16E+01	3.57E-01	5.76E-02	2.21E+01		1.40E-01	9.11E-05	3.57E-02	1.13E-02	1.87E-01		1.57E-01	2.16E+01	3.57E-01	5.76E-02	2.21E+01
5029	493363.09	3863377.25	2.2513	1.76508	2.8432	0.95203		1.72E-01	1.88E+01	3.14E-01	5.44E-02	1.94E+01		1.67E-01	7.96E-05	3.14E-02	1.07E-02	2.09E-01		1.87E-01	1.88E+01	3.14E-01	5.44E-02	1.94E+01
5030	493863.09	3863377.25	1.63325	1.32229	3.241	0.95884		1.24E-01	1.41E+01	3.58E-01	5.48E-02	1.46E+01		1.21E-01	5.96E-05	3.58E-02	1.07E-02	1.68E-01		1.36E-01	1.41E+01	3.58E-01	5.48E-02	1.47E+01
5031	494363.09	3863377.25	1.74913	1.6846	3.4985	0.88965		1.33E-01	1.80E+01	3.87E-01	5.09E-02	1.85E+01		1.29E-01	7.59E-05	3.87E-02	9.96E-03	1.78E-01		1.45E-01	1.80E+01	3.87E-01	5.09E-02	1.86E+01
5032	494863.09	3863377.25	1.27894	1.88538	2.2676	0.93303		9.75E-02	2.01E+01	2.51E-01	5.34E-02	2.05E+01		9.47E-02	8.50E-05	2.51E-02	1.04E-02	1.30E-01		1.06E-01	2.01E+01	2.51E-01	5.34E-02	2.05E+01
5033	495363.09	3863377.25	1.28577	1.96771	2.6492	0.90787		9.80E-02	2.10E+01	2.93E-01	5.19E-02	2.14E+01		9.52E-02	8.87E-05	2.93E-02	1.02E-02	1.35E-01		1.07E-01	2.10E+01	2.93E-01	5.19E-02	2.15E+01
5034	495863.09	3863377.25	1.15177	1.88436	2.8139	0.8309		8.78E-02	2.01E+01	3.11E-01	4.75E-02	2.06E+01		8.53E-02	8.49E-05	3.11E-02	9.30E-03	1.26E-01		9.56E-02	2.01E+01	3.11E-01	4.75E-02	2.06E+01
5035	496363.09	3863377.25	0.92206	1.51763	2.0121	0.70422		7.03E-02	1.62E+01	2.22E-01	4.03E-02	1.65E+01		6.83E-02	6.84E-05	2.22E-02	7.88E-03	9.85E-02		7.66E-02	1.62E+01	2.22E-01	4.03E-02	1.65E+01
5036	496863.09	3863377.25	0.86491	1.43443	2.3534	0.66218		6.59E-02	1.53E+01	2.60E-01	3.79E-02	1.57E+01		6.40E-02	6.47E-05	2.60E-02	7.41E-03	9.75E-02		7.18E-02	1.53E+01	2.60E-01	3.79E-02	1.57E+01
5037	497363.09	3863377.25	0.83239	1.34286	2.8044	0.62304		6.34E-02	1.43E+01	3.10E-01	3.56E-02	1.47E+01		6.16E-02	6.05E-05	3.10E-02	6.97E-03	9.97E-02		6.91E-02	1.43E+01	3.10E-01	3.56E-02	1.47E+01
5038	497863.09	3863377.25	1.11237	1.21437	2.475	0.57531		8.48E-02	1.30E+01	2.74E-01	3.29E-02	1.34E+01		8.24E-02	5.47E-05	2.74E-02	6.44E-03	1.16E-01		9.24E-02	1.30E+01	2.74E-01	3.29E-02	1.34E+01
5039	498363.09	3863377.25	1.31259	1.06691	2.0078	0.51953		1.00E-01	1.14E+01	2.22E-01	2.97E-02	1.17E+01		9.72E-02	4.81E-05	2.22E-02	5.82E-03	1.25E-01		1.09E-01	1.14E+01	2.22E-01	2.97E-02	1.17E+01
5040	471363.09	3863877.25	0.65583	0.41705	2.8538	0.36005		5.00E-02	4.45E+00	3.16E-01	2.06E-02	4.84E+00		4.86E-02	1.88E-05	3.16E-02	4.03E-03	8.42E-02		5.44E-02	4.45E+00	3.16E-01	2.06E-02	4.84E+00
5041	471863.09	3863877.25	0.65782	0.43293	3.0236	0.38364		5.01E-02	4.62E+00	3.34E-01	2.19E-02	5.03E+00		4.87E-02	1.95E-05	3.34E-02	4.29E-03	8.64E-02		5.46E-02	4.62E+00	3.34E-01	2.19E-02	5.03E+00
5042	472363.09	3863877.25	0.63688	0.45004	2.9981	0.3987		4.85E-02	4.80E+00	3.31E-01	2.28E-02	5.21E+00		4.72E-02	2.03E-05	3.31E-02	4.46E-03	8.48E-02		5.29E-02	4.80E+00	3.31E-01	2.28E-02	5.21E+00
5043	472863.09	3863877.25	0.59608	0.47324	2.7245	0.39986		4.54E-02	5.05E+00	3.01E-01	2.29E-02	5.42E+00		4.41E-02	2.13E-05	3.01E-02	4.48E-03	7.87E-02		4.95E-02	5.05E+00	3.01E-01	2.29E-02	5.42E+00
5044	473363.09	3863877.25	0.55104	0.50532	2.3166	0.38544		4.20E-02	5.39E+00	2.56E-01	2.20E-02	5.71E+00		4.08E-02	2.28E-05	2.56E-02	4.31E-03	7.07E-02		4.57E-02	5.39E+00	2.56E-01	2.20E-02	5.72E+00
5045	473863.09	3863877.25	0.57205	0.52469	1.8337	0.35737		4.36E-02	5.60E+00	2.03E-01	2.04E-02	5.87E+00		4.24E-02	2.37E-05	2.03E-02	4.00E-03	6.66E-02		4.75E-02	5.60E+00	2.03E-01	2.04E-02	5.87E+00
5046	474363.09	3863877.25	0.65188	0.52589	1.9001	0.3913		4.97E-02	5.61E+00	2.10E-01	2.24E-02	5.89E+00		4.83E-02	2.37E-05	2.10E-02	4.38E-03	7.37E-02		5.41E-02	5.61E+00	2.10E-01	2.24E-02	5.90E+00
5047	474863.09	3863877.25	0.68675	0.528	1.9154	0.4413		5.23E-02	5.63E+00	2.12E-01	2.52E-02	5.92E+00		5.08E-02	2.38E-05	2.12E-02	4.94E-03	7.70E-02		5.70E-02	5.63E+00	2.12E-01	2.52E-02	5.93E+00
5048	475363.09	3863877.25	0.73715	0.55506	2.1264	0.39115		5.62E-02	5.92E+00	2.35E-01	2.24E-02	6.24E+00		5.46E-02	2.50E-05	2.35E-02	4.38E-03	8.25E-02		6.12E-02	5.92E+00	2.35E-01	2.24E-02	6.24E+00
5049	475863.09	3863877.25	0.75301	0.60813	3.0994	0.36426		5.74E-02	6.49E+00	3.43E-01	2.08E-02	6.91E+00		5.57E-02	2.74E-05	3.43E-02	4.08E-03	9.41E-02		6.25E-02	6.49E+00	3.43E-01	2.08E-02	6.92E+00
5050	476363.09	3863877.25	0.83243	0.6394	3.6753	0.3764		6.34E-02	6.82E+00	4.06E-01	2.15E-02	7.31E+00		6.16E-02	2.88E-05	4.06E-02	4.21E-03	1.07E-01		6.91E-02	6.82E+00	4.06E-01	2.15E-02	7.32E+00
5051	476863.09	3863877.25	0.94474	0.65658	3.7088	0.40545		7.20E-02	7.01E+00	4.10E-01	2.32E-02	7.51E+00		6.99E-02	2.96E-05	4.10E-02	4.54E-03	1.16E-01		7.84E-02	7.01E+00	4.10E-01	2.32E-02	7.52E+00
5052	477363.09	3863877.25	0.9973	0.68977	2.8938	0.44698		7.60E-02	7.36E+00	3.20E-01	2.56E-02	7.78E+00		7.38E-02	3.11E-05	3.20E-02	5.00E-03	1.11E-01		8.28E-02	7.36E+00	3.20E-01	2.56E-02	7.79E+00
5053	477863.09	3863877.25	1.04833	0.82931	1.9399	0.47225		7.99E-02	8.85E+00	2.14E-01	2.70E-02	9.17E+00		7.76E-02	3.74E-05	2.14E-02	5.29E-03	1.04E-01		8.70E-02	8.85E+00	2.14E-01	2.70E-02	9.18E+00
5054	478363.09	3863877.25	1.05621	0.79071	1.9266	0.63887		8.05E-02	8.44E+00	2.13E-01	3.65E-02	8.77E+00		7.82E-02	3.56E-05	2.13E-02	7.15E-03	1.07E-01		8.77E-02	8.44E+00	2.13E-01	3.65E-02	8.78E+00
5055	478863.09	3863877.25	0.95893	0.85786	2.0321	0.43594		7.31E-02	9.15E+00	2.25E-01	2.49E-02	9.48E+00		7.10E-02	3.87E-05	2.25E-02	4.88E-03	9.84E-02		7.96E-02	9.15E+00	2.25E-01	2.49E-02	9.48E+00
5056	479363.09	3863877.25	1.0249	0.84083	2.4065	0.4323		7.81E-02	8.97E+00	2.66E-01	2.47E-02	9.34E+00		7.59E-02	3.79E-05	2.66E-02	4.84E-03	1.07E-01		8.51E-02	8.97E+00	2.66E-01	2.47E-02	9.35E+00
5057	479863.09	3863877.25	1.13822	0.83435	2.5106	0.50477		8.68E-02	8.90E+00	2.78E-01	2.89E-02	9.30E+00		8.43E-02	3.76E-05	2.78E-02	5.65E-03	1.18E-01		9.45E-02	8.90E+00	2.78E-01	2.89E-02	9.30E+00
5058	480363.09	3863877.25	1.15751	0.97082	3.0702	0.49546		8.82E-02	1.04E+01	3.39E-01	2.83E-02	1.08E+01		8.57E-02	4.38E-05	3.39E-02	5.55E-03	1.25E-01		9.61E-02	1.04E+01	3.39E-01	2.83E-02	1.08E+01
5059	480863.09	3863877.25	1.04193	1.05792	3.7844	0.52943		7.94E-02	1.13E+01	4.18E-01	3.03E-02	1.18E+01		7.71E-02	4.77E-05	4.18E-02	5.93E-03	1.25E-01		8.65E-02	1.13E+01	4.18E-01	3.03E-02	1.18E+01

5060	481363.09	3863877.25	1.23608	1.07327	2.9161	0.56369	9.42E-02	1.15E+01	3.22E-01	3.22E-02	1.19E+01	9.15E-02	4.84E-05	3.22E-02	6.31E-03	1.30E-01	1.03E-01	1.15E+01	3.22E-01	3.22E-02	1.19E+01
5061	481863.09	3863877.25	1.4258	1.06179	2.3432	0.58612	1.09E-01	1.13E+01	2.59E-01	3.35E-02	1.17E+01	1.06E-01	4.79E-05	2.59E-02	6.56E-03	1.38E-01	1.18E-01	1.13E+01	2.59E-01	3.35E-02	1.17E+01
5062	482363.09	3863877.25	1.4913	1.07267	2.2611	0.57611	1.14E-01	1.14E+01	2.50E-01	3.29E-02	1.18E+01	1.10E-01	4.84E-05	2.50E-02	6.45E-03	1.42E-01	1.24E-01	1.14E+01	2.50E-01	3.29E-02	1.19E+01
5063	482863.09	3863877.25	1.42973	1.06239	2.3242	0.5878	1.09E-01	1.13E+01	2.57E-01	3.36E-02	1.17E+01	1.06E-01	4.79E-05	2.57E-02	6.58E-03	1.38E-01	1.19E-01	1.13E+01	2.57E-01	3.36E-02	1.17E+01
5064	483363.09	3863877.25	1.36022	1.18202	2.2976	0.66604	1.04E-01	1.26E+01	2.54E-01	3.81E-02	1.30E+01	1.01E-01	5.33E-05	2.54E-02	7.46E-03	1.34E-01	1.13E-01	1.26E+01	2.54E-01	3.81E-02	1.30E+01
5065	483863.09	3863877.25	1.31858	1.4645	1.9043	0.68138	1.01E-01	1.56E+01	2.11E-01	3.90E-02	1.60E+01	9.76E-02	6.60E-05	2.11E-02	7.63E-03	1.26E-01	1.09E-01	1.56E+01	2.11E-01	3.90E-02	1.60E+01
5066	484363.09	3863877.25	1.43405	1.5702	3.5568	0.70013	1.09E-01	1.68E+01	3.93E-01	4.00E-02	1.73E+01	1.06E-01	7.08E-05	3.93E-02	7.84E-03	1.53E-01	1.19E-01	1.68E+01	3.93E-01	4.00E-02	1.73E+01
5067	484863.09	3863877.25	1.32255	1.2606	4.2578	0.73313	1.01E-01	1.35E+01	4.71E-01	4.19E-02	1.41E+01	9.79E-02	5.68E-05	4.71E-02	8.21E-03	1.53E-01	1.10E-01	1.35E+01	4.71E-01	4.19E-02	1.41E+01
5068	485363.09	3863877.25	1.17785	1.23835	3.6445	0.62819	8.98E-02	1.32E+01	4.03E-01	3.59E-02	1.37E+01	8.72E-02	5.58E-05	4.03E-02	7.03E-03	1.35E-01	9.78E-02	1.32E+01	4.03E-01	3.59E-02	1.38E+01
5069	485863.09	3863877.25	1.17298	1.38759	1.6588	0.65313	8.94E-02	1.48E+01	1.83E-01	3.73E-02	1.51E+01	8.68E-02	6.26E-05	1.83E-02	7.31E-03	1.13E-01	9.74E-02	1.48E+01	1.83E-01	3.73E-02	1.51E+01
5070	486363.09	3863877.25	1.15819	1.53303	1.9302	0.48872	8.83E-02	1.64E+01	2.13E-01	2.79E-02	1.67E+01	8.57E-02	6.91E-05	2.13E-02	5.47E-03	1.13E-01	9.62E-02	1.64E+01	2.13E-01	2.79E-02	1.67E+01
5071	486863.09	3863877.25	1.44338	1.5685	3.6863	0.52898	1.10E-01	1.67E+01	4.08E-01	3.02E-02	1.73E+01	1.07E-01	7.07E-05	4.08E-02	5.92E-03	1.54E-01	1.20E-01	1.67E+01	4.08E-01	3.02E-02	1.73E+01
5072	487363.09	3863877.25	1.56231	1.62975	4.7608	0.75986	1.19E-01	1.74E+01	5.26E-01	4.35E-02	1.81E+01	1.16E-01	7.35E-05	5.26E-02	8.51E-03	1.77E-01	1.30E-01	1.74E+01	5.26E-01	4.35E-02	1.81E+01
5073	487863.09	3863877.25	1.37361	1.41978	3.7386	0.921	1.05E-01	1.52E+01	4.13E-01	5.27E-02	1.57E+01	1.02E-01	6.40E-05	4.13E-02	1.03E-02	1.53E-01	1.14E-01	1.52E+01	4.13E-01	5.27E-02	1.57E+01
5074	488363.09	3863877.25	1.37934	1.52584	3.2804	0.54872	1.05E-01	1.63E+01	3.63E-01	3.14E-02	1.68E+01	1.02E-01	6.88E-05	3.63E-02	6.14E-03	1.45E-01	1.15E-01	1.63E+01	3.63E-01	3.14E-02	1.68E+01
5075	488863.09	3863877.25	1.30291	2.10437	1.8242	0.4951	9.93E-02	2.25E+01	2.02E-01	2.83E-02	2.28E+01	9.65E-02	9.49E-05	2.02E-02	5.54E-03	1.22E-01	1.08E-01	2.25E+01	2.02E-01	2.83E-02	2.28E+01
5076	489363.09	3863877.25	1.49631	1.88603	2.7167	0.56534	1.14E-01	2.01E+01	3.00E-01	3.23E-02	2.06E+01	1.11E-01	8.50E-05	3.00E-02	6.33E-03	1.47E-01	1.24E-01	2.01E+01	3.00E-01	3.23E-02	2.06E+01
5077	489863.09	3863877.25	1.29417	1.65839	1.6707	0.70543	9.86E-02	1.77E+01	1.85E-01	4.03E-02	1.80E+01	9.58E-02	7.48E-05	1.85E-02	7.90E-03	1.22E-01	1.07E-01	1.77E+01	1.85E-01	4.03E-02	1.80E+01
5078	490363.09	3863877.25	1.73588	1.75817	1.5361	0.80289	1.32E-01	1.88E+01	1.70E-01	4.59E-02	1.91E+01	1.29E-01	7.93E-05	1.70E-02	8.99E-03	1.55E-01	1.44E-01	1.88E+01	1.70E-01	4.59E-02	1.91E+01
5079	490863.09	3863877.25	1.84745	1.90176	2.1197	0.90991	1.41E-01	2.03E+01	2.34E-01	5.20E-02	2.07E+01	1.37E-01	8.57E-05	2.34E-02	1.02E-02	1.70E-01	1.53E-01	2.03E+01	2.34E-01	5.20E-02	2.07E+01
5080	491363.09	3863877.25	1.17283	1.87549	2.651	0.89433	8.94E-02	2.00E+01	2.93E-01	5.11E-02	2.04E+01	8.68E-02	8.45E-05	2.93E-02	1.00E-02	1.26E-01	9.74E-02	2.00E+01	2.93E-01	5.11E-02	2.05E+01
5081	491863.09	3863877.25	1.29296	2.43165	3.3048	0.94744	9.86E-02	2.59E+01	3.65E-01	5.42E-02	2.65E+01	9.57E-02	1.10E-04	3.65E-02	1.06E-02	1.43E-01	1.07E-01	2.60E+01	3.65E-01	5.42E-02	2.65E+01
5082	492363.09	3863877.25	1.92824	2.57235	3.9509	1.06982	1.47E-01	2.75E+01	4.37E-01	6.12E-02	2.81E+01	1.43E-01	1.16E-04	4.37E-02	1.20E-02	1.99E-01	1.60E-01	2.75E+01	4.37E-01	6.12E-02	2.81E+01
5083	492863.09	3863877.25	1.4724	1.94291	3.1752	1.44747	1.12E-01	2.07E+01	3.51E-01	8.28E-02	2.13E+01	1.09E-01	8.76E-05	3.51E-02	1.62E-02	1.60E-01	1.22E-01	2.07E+01	3.51E-01	8.28E-02	2.13E+01
5084	493363.09	3863877.25	1.78136	1.9041	3.6595	1.15945	1.36E-01	2.03E+01	4.05E-01	6.63E-02	2.09E+01	1.32E-01	8.58E-05	4.05E-02	1.30E-02	1.85E-01	1.48E-01	2.03E+01	4.05E-01	6.63E-02	2.09E+01
5085	493863.09	3863877.25	2.08795	1.6697	2.6708	0.86159	1.59E-01	1.78E+01	2.95E-01	4.93E-02	1.83E+01	1.55E-01	7.53E-05	2.95E-02	9.64E-03	1.94E-01	1.73E-01	1.78E+01	2.95E-01	4.93E-02	1.83E+01
5086	494363.09	3863877.25	1.57841	1.2696	3.1101	0.91607	1.20E-01	1.35E+01	3.44E-01	5.24E-02	1.41E+01	1.17E-01	5.72E-05	3.44E-02	1.03E-02	1.62E-01	1.31E-01	1.35E+01	3.44E-01	5.24E-02	1.41E+01
5087	494863.09	3863877.25	1.72148	1.22206	4.2862	0.82392	1.31E-01	1.30E+01	4.74E-01	4.71E-02	1.37E+01	1.27E-01	5.51E-05	4.74E-02	9.22E-03	1.84E-01	1.43E-01	1.30E+01	4.74E-01	4.71E-02	1.37E+01
5088	495363.09	3863877.25	1.28195	1.5732	3.1351	0.85872	9.77E-02	1.68E+01	3.47E-01	4.91E-02	1.73E+01	9.49E-02	7.09E-05	3.47E-02	9.61E-03	1.39E-01	1.06E-01	1.68E+01	3.47E-01	4.91E-02	1.73E+01
5089	495863.09	3863877.25	1.18319	1.7866	2.3837	0.88129	9.02E-02	1.91E+01	2.64E-01	5.04E-02	1.95E+01	8.76E-02	8.05E-05	2.64E-02	9.87E-03	1.24E-01	9.82E-02	1.91E+01	2.64E-01	5.04E-02	1.95E+01
5090	496363.09	3863877.25	1.08475	1.73112	2.4805	0.85819	8.27E-02	1.85E+01	2.74E-01	4.91E-02	1.89E+01	8.03E-02	7.80E-05	2.74E-02	9.61E-03	1.17E-01	9.01E-02	1.85E+01	2.74E-01	4.91E-02	1.89E+01
5091	496863.09	3863877.25	0.88348	1.5881	2.0732	0.74007	6.73E-02	1.69E+01	2.29E-01	4.23E-02	1.73E+01	6.54E-02	7.16E-05	2.29E-02	8.28E-03	9.67E-02	7.33E-02	1.69E+01	2.29E-01	4.23E-02	1.73E+01
5092	497363.09	3863877.25	0.82773	1.34439	2.0015	0.67043	6.31E-02	1.43E+01	2.21E-01	3.83E-02	1.47E+01	6.13E-02	6.06E-05	2.21E-02	7.51E-03	9.10E-02	6.87E-02	1.43E+01	2.21E-01	3.83E-02	1.47E+01
5093	497863.09	3863877.25	0.78137	1.31374	2.6306	0.64894	5.96E-02	1.40E+01	2.91E-01	3.71E-02	1.44E+01	5.78E-02	5.92E-05	2.91E-02	7.26E-03	9.43E-02	6.49E-02	1.40E+01	2.91E-01	3.71E-02	1.44E+01
5094	498363.09	3863877.25	0.83326	1.23502	2.8194	0.60846	6.35E-02	1.32E+01	3.12E-01	3.48E-02	1.36E+01	6.17E-02	5.57E-05	3.12E-02	6.81E-03	9.97E-02	6.92E-02	1.32E+01	3.12E-01	3.48E-02	1.36E+01
5095	471363.09	3864377.25	0.60309	0.42914	2.7808	0.38492	4.60E-02	4.58E+00	3.07E-01	2.20E-02	4.96E+00	4.46E-02	1.93E-05	3.07E-02	4.31E-03	7.97E-02	5.01E-02	4.58E+00	3.07E-01	2.20E-02	4.96E+00
5096	471863.09	3864377.25	0.56657	0.45063	2.3818	0.38526	4.32E-02	4.81E+00	2.63E-01	2.20E-02	5.14E+00	4.19E-02	2.03E-05	2.63E-02	4.31E-03	7.26E-02	4.70E-02	4.81E+00	2.63E-01	2.20E-02	5.14E+00
5097	472363.09	3864377.25	0.51331	0.46927	1.8755	0.37939	3.91E-02	5.01E+00	2.07E-01	2.17E-02	5.28E+00	3.80E-02	2.12E-05	2.07E-02	4.25E-03	6.30E-02	4.26E-02	5.01E+00	2.07E-01	2.17E-02	5.28E+00
5098	472863.09	3864377.25	0.5209	0.48486	1.7407	0.35927	3.97E-02	5.17E+00	1.92E-01	2.05E-02	5.43E+00	3.86E-02	2.19E-05	1.92E-02	4.02E-03	6.19E-02	4.32E-02	5.17E+00	1.92E-01	2.05E-02	5.43E+00
5099	473363.09	3864377.25	0.57405	0.48892	1.7868	0.32874	4.38E-02	5.22E+00	1.98E-01	1.88E-02	5.48E+00	4.25E-02	2.20E-05	1.98E-02	3.68E-03	6.60E-02	4.77E-02	5.22E+00	1.98E-01	1.88E-02	5.48E+00
5100	473863.09	3864377.25	0.63628	0.47573	1.7817	0.40955	4.85E-02	5.08E+00	1.97E-01	2.34E-02	5.35E+00	4.71E-02	2.14E-05	1.97E-02	4.58E-03	7.14E-02	5.28E-02	5.08E+00	1.97E-01	2.34E-02	5.35E+00
5101	474363.09	3864377.25	0.66751	0.53081	2.237	0.43057	5.09E-02	5.66E+00	2.47E-01	2.46E-02	5.99E+00	4.94E-02	2.39E-05	2.47E-02	4.82E-03	7.90E-02	5.54E-02	5.66E+00	2.47E-01	2.46E-02	5.99E+00
5102	474863.09	3864377.25	0.70648	0.57641	3.0478	0.38813	5.38E-02	6.15E+00	3.37E-01	2.22E-02	6.56E+00	5.23E-02	2.60E-05	3.37E-02	4.34E-03	9.04E-02	5.87E-02	6.15E+00	3.37E-01	2.22E-02	6.57E+00
5103	475363.09	3864377.25	0.71601	0.60477	3.662	0.36595	5.46E-02	6.45E+00	4.05E-01	2.09E-02	6.93E+00	5.30E-02	2.73E-05	4.05E-02	4.10E-03	9.76E-02	5.94E-02	6.45E+00	4.05E-01	2.09E-02	6.94E+00
5104	475863.09	3864377.25	0.79046	0.61789	3.6473	0.37282	6.02E-02	6.59E+00	4.03E-01	2.13E-02	7.08E+00	5.85E-02	2.79E-05	4.03E-02	4.17E-03	1.03E-01	6.56E-02	6.59E+00	4.03E-01	2.13E-02	7.08E+00
5105	476363.09	3864377.25	0.89124	0.62063	3.0808	0.3829	6.79E-02	6.62E+00	3.41E-01	2.19E-02	7.05E+00	6.60E-02	2.80E-05	3.41E-02	4.29E-03	1.04E-01	7.40E-02	6.62E+00	3.41E-01	2.19E-02	7.06E+00
5106	476863.09	3864377.25	0.93165	0.66105	2.0742	0.42453	7.10E-02	7.05E+00	2.29E-01	2.43E-02	7.38E+00	6.90E-02	2.98E-05	2.29E-02	4.75E-03	9.67E-02	7.73E-02	7.05E+00	2.29E-01	2.43E-02	7.39E+00
5107	477363.09	3864377.25	0.95902	0.80317	1.857	0.46142	7.31E-02	8.57E+00	2.05E-01	2.64E-02	8.88E+00	7.10E-02	3.62E-05	2.05E-02	5.17E-03	9.67E-02	7.96E-02	8.57E+00	2.05E-01	2.64E-02	8.88E+00
5108	477863.09	3864377.25	0.95849	0.86606	1.764	0.46898	7.31E-02	9.24E+00	1.95E-01	2.68E-02	9.54E+00	7.10E-02	3.90E-05	1.95E-02	5.25E-03	9.58E-02	7.96E-02	9.24E+00	1.95E-01	2.68E-02	9.54E+00
5109	478363.09	3864377.25	0.88685	0.84377	2.1092	0.448	6.76E-02	9.00E+00	2.33E-01	2.56E-02	9.33E+00	6.57E-02	3.80E-05	2.33E-02	5.02E-03	9.40E-02	7.36E-02	9.00E+00	2.33E-01	2.56E-02	9.34E+00
5110	478863.09	3864377.25	0.92953	0.79554	2.3317	0.43072	7.08E-02	8.49E+00	2.58E-01	2.46E-02	8.84E+00	6.88E-02	3.59E-05	2.58E-02	4.82E-03	9.95E-02	7.72E-02	8.49E+00	2.58E-01	2.46E-02	8.85E+00
5111	479363.09	3864377.25	1.04757	0.74185	2.3133	0.47755	7.98E-02	7.92E+00	2.56E-01	2.73E-02	8.28E+00	7.76E-02	3.34E-05	2.56E-02	5.35E-03	1.09E-01	8.70E-02	7.92E+00	2.56E-01	2.73E-02	8.29E+00
5112	479863.09	3864377.25	1.09986	0.87509	3.2458	0.50404	8.38E-02	9.34E+00	3.59E-01	2.88E-02	9.81E+00	8.14E-02	3.94E-05	3.59E-02	5.64E-03	1.23E-01	9.13E-02	9.34E+00	3.59E-01	2.88E-02	9.82E+00
5113	480363.09	3864377.25	1.01609	0.9837	3.6032	0.5319	7.74E-02	1.05E+01	3.98E-01	3.04E-02	1.10E+01	7.52E-02	4.43E-05	3.98E-02	5.95E-03	1.21E-01	8.44E-02	1.05E+01	3.98E-01	3.04E-02	1.10E+01
5114	480863.09	3864377.25	1.03838	1.04249	2.5283	0.5506	7.91E-02	1.11E+01	2.80E-01	3.15E-02	1.15E+01	7.69E-02	4.70E-05	2.80E-02	6.16E-03	1.11E-01	8.62E-02	1.11E+01	2.80E-01	3.15E-02	1.15E+01
5115	481363.09	3864377.25	1.26239	1.04852	2.1541	0.54894	9.62E-02	1.12E+01	2.38E-01	3.14E-02	1.16E+01	9.35E-02	4.73E-05	2.38E-02	6.15E-03	1.23E-01	1.05E-01	1.12E+01	2.38E-01	3.14E-02	1.16E+01
5116	481863.09	3864377.25	1.39364	1.02373	2.0461	0.51295	1.06E-01	1.09E+01	2.26E-01	2.93E-02	1.13E+01	1.03E-01	4.61E-05	2.26E-02	5.74E-03	1.32E-01	1.16E-01	1.09E+01	2.26E-01	2.93E-02	1.13E+01
5117	482363.09	3864377.25	1.39187	1.04386	2.1484	0.57545	1.06E-01	1.11E+01	2.38E-01	3.29E-02	1.15E+01	1.03E-01	4.71E-05	2.38E-02	6.44E-03	1.33E-01	1.16E-01	1.11E+01	2.38E-01	3.29E-02	1.15E+01
5118	482863.09	3864377.25	1.2907	1.03658	2.1986	0.64513	9.84E-02	1.11E+01	2.43E-01	3.69E-02	1.14E+01	9.56E-02	4.67E-05	2.43E-02	7.22E-03	1.27E-01	1.07E-01	1.11E+01	2.43E-01	3.69E-02	1.14E+01
5119	483363.09	3864377.25	1.26685	1.193	1.9666	0.64572	9.66E-02	1.27E+01	2.17E-01	3.69E-02	1.31E+01	9.38E-02	5.38E-05	2.17E-02	7.23E-03	1.23E-01	1.05E-01	1.27E+01	2.17E-01	3.69E-02	1.31E+01
5120	483863.09	3864377.25	1.29908	1.32644	2.5102	0.65269	9.90E-02	1.42E+01	2.78E-01	3.73E-02	1.46E+01	9.62E-02	5.98E-05	2.78E-02	7.31E-03	1.31E-01	1.08E-01	1.42E+01	2.78E-01	3.73E-02	1.46E+01

5121	484363.09	3864377.25	1.37059	1.18516	4.1643	0.69108	1.04E-01	1.26E+01	4.60E-01	3.95E-02	1.33E+01	1.01E-01	5.34E-05	4.60E-02	7.74E-03	1.55E-01	1.14E-01	1.26E+01	4.60E-01	3.95E-02	1.33E+01
5122	484863.09	3864377.25	1.25867	1.11578	3.0031	0.6399	9.59E-02	1.19E+01	3.32E-01	3.66E-02	1.24E+01	9.32E-02	5.03E-05	3.32E-02	7.16E-03	1.34E-01	1.04E-01	1.19E+01	3.32E-01	3.66E-02	1.24E+01
5123	485363.09	3864377.25	1.13372	1.13082	3.0575	0.49232	8.64E-02	1.21E+01	3.38E-01	2.82E-02	1.25E+01	8.39E-02	5.10E-05	3.38E-02	5.51E-03	1.23E-01	9.41E-02	1.21E+01	3.38E-01	2.82E-02	1.25E+01
5124	485863.09	3864377.25	1.07955	1.35957	2.2195	0.6477	8.23E-02	1.45E+01	2.45E-01	3.70E-02	1.49E+01	7.99E-02	6.13E-05	2.45E-02	7.25E-03	1.12E-01	8.96E-02	1.45E+01	2.45E-01	3.70E-02	1.49E+01
5125	486363.09	3864377.25	1.0588	1.3316	2.0717	0.44756	8.07E-02	1.42E+01	2.29E-01	2.56E-02	1.45E+01	7.84E-02	6.00E-05	2.29E-02	5.01E-03	1.06E-01	8.79E-02	1.42E+01	2.29E-01	2.56E-02	1.46E+01
5126	486863.09	3864377.25	1.33354	1.26379	3.7683	0.5705	1.02E-01	1.35E+01	4.17E-01	3.26E-02	1.40E+01	9.87E-02	5.70E-05	4.17E-02	6.39E-03	1.47E-01	1.11E-01	1.35E+01	4.17E-01	3.26E-02	1.40E+01
5127	487363.09	3864377.25	1.47988	1.41438	4.4965	0.79762	1.13E-01	1.51E+01	4.97E-01	4.56E-02	1.57E+01	1.10E-01	6.38E-05	4.97E-02	8.93E-03	1.68E-01	1.23E-01	1.51E+01	4.97E-01	4.56E-02	1.58E+01
5128	487863.09	3864377.25	1.32051	1.37457	3.4375	0.86452	1.01E-01	1.47E+01	3.80E-01	4.94E-02	1.52E+01	9.78E-02	6.20E-05	3.80E-02	9.68E-03	1.46E-01	1.10E-01	1.47E+01	3.80E-01	4.94E-02	1.52E+01
5129	488363.09	3864377.25	1.31324	1.31536	3.2174	0.50605	1.00E-01	1.40E+01	3.56E-01	2.89E-02	1.45E+01	9.72E-02	5.93E-05	3.56E-02	5.66E-03	1.39E-01	1.09E-01	1.40E+01	3.56E-01	2.89E-02	1.45E+01
5130	488863.09	3864377.25	1.12825	1.81986	1.8707	0.46338	8.60E-02	1.94E+01	2.07E-01	2.65E-02	1.97E+01	8.35E-02	8.20E-05	2.07E-02	5.19E-03	1.09E-01	9.37E-02	1.94E+01	2.07E-01	2.65E-02	1.97E+01
5131	489363.09	3864377.25	1.40035	1.78263	2.5446	0.52263	1.07E-01	1.90E+01	2.81E-01	2.99E-02	1.94E+01	1.04E-01	8.04E-05	2.81E-02	5.85E-03	1.38E-01	1.16E-01	1.90E+01	2.81E-01	2.99E-02	1.95E+01
5132	489863.09	3864377.25	1.21275	1.41261	2.0025	0.62261	9.24E-02	1.51E+01	2.21E-01	3.56E-02	1.54E+01	8.98E-02	6.37E-05	2.21E-02	6.97E-03	1.19E-01	1.01E-01	1.51E+01	2.21E-01	3.56E-02	1.54E+01
5133	490363.09	3864377.25	1.40895	1.48019	1.2724	0.74411	1.07E-01	1.58E+01	1.41E-01	4.26E-02	1.61E+01	1.04E-01	6.67E-05	1.41E-02	8.33E-03	1.27E-01	1.17E-01	1.58E+01	1.41E-01	4.26E-02	1.61E+01
5134	490863.09	3864377.25	1.78649	1.62859	1.6473	0.79928	1.36E-01	1.74E+01	1.82E-01	4.57E-02	1.77E+01	1.32E-01	7.34E-05	1.82E-02	8.95E-03	1.59E-01	1.48E-01	1.74E+01	1.82E-01	4.57E-02	1.78E+01
5135	491363.09	3864377.25	1.61303	1.67058	2.4766	0.97409	1.23E-01	1.78E+01	2.74E-01	5.57E-02	1.83E+01	1.19E-01	7.53E-05	2.74E-02	1.09E-02	1.58E-01	1.34E-01	1.78E+01	2.74E-01	5.57E-02	1.83E+01
5136	491863.09	3864377.25	1.24435	0.47392	2.4939	1.44831	9.48E-02	5.06E+00	2.76E-01	8.28E-02	5.51E+00	9.21E-02	2.14E-05	2.76E-02	1.62E-02	1.36E-01	1.03E-01	5.06E+00	2.76E-01	8.28E-02	5.52E+00
5137	492363.09	3864377.25	1.67194	1.75373	3.6604	2.27434	1.27E-01	1.87E+01	4.05E-01	1.30E-01	1.94E+01	1.24E-01	7.91E-05	4.05E-02	2.55E-02	1.90E-01	1.39E-01	1.87E+01	4.05E-01	1.30E-01	1.94E+01
5138	492863.09	3864377.25	2.25308	0.77116	9.4582	1.80644	1.72E-01	8.23E+00	1.05E+00	1.03E-01	9.55E+00	1.67E-01	3.48E-05	1.05E-01	2.02E-02	2.92E-01	1.87E-01	8.23E+00	1.05E+00	1.03E-01	9.57E+00
5139	493363.09	3864377.25	1.65205	1.47404	11.213	1.83452	1.26E-01	1.57E+01	1.24E+00	1.05E-01	1.72E+01	1.22E-01	6.64E-05	1.24E-01	2.05E-02	2.67E-01	1.37E-01	1.57E+01	1.24E+00	1.05E-01	1.72E+01
5140	493863.09	3864377.25	1.80734	1.49548	3.7862	1.36793	1.38E-01	1.60E+01	4.19E-01	7.82E-02	1.66E+01	1.34E-01	6.74E-05	4.19E-02	1.53E-02	1.91E-01	1.50E-01	1.60E+01	4.19E-01	7.82E-02	1.66E+01
5141	494363.09	3864377.25	1.91914	1.54839	2.5149	0.81255	1.46E-01	1.65E+01	2.78E-01	4.65E-02	1.70E+01	1.42E-01	6.98E-05	2.78E-02	9.10E-03	1.79E-01	1.59E-01	1.65E+01	2.78E-01	4.65E-02	1.70E+01
5142	494863.09	3864377.25	1.50964	1.27501	2.8981	0.85117	1.15E-01	1.36E+01	3.20E-01	4.87E-02	1.41E+01	1.12E-01	5.75E-05	3.20E-02	9.53E-03	1.53E-01	1.25E-01	1.36E+01	3.20E-01	4.87E-02	1.41E+01
5143	495363.09	3864377.25	1.62132	1.08114	4.1289	0.839	1.24E-01	1.15E+01	4.56E-01	4.80E-02	1.22E+01	1.20E-01	4.87E-05	4.56E-02	9.39E-03	1.75E-01	1.35E-01	1.15E+01	4.56E-01	4.80E-02	1.22E+01
5144	495863.09	3864377.25	1.34186	1.17745	3.3625	0.76273	1.02E-01	1.26E+01	3.72E-01	4.36E-02	1.31E+01	9.93E-02	5.31E-05	3.72E-02	8.54E-03	1.45E-01	1.11E-01	1.26E+01	3.72E-01	4.36E-02	1.31E+01
5145	496363.09	3864377.25	1.07675	1.484	2.0202	0.8286	8.21E-02	1.58E+01	2.23E-01	4.74E-02	1.62E+01	7.97E-02	6.69E-05	2.23E-02	9.28E-03	1.11E-01	8.94E-02	1.58E+01	2.23E-01	4.74E-02	1.62E+01
5146	496863.09	3864377.25	1.02546	1.62683	2.3662	0.89461	7.82E-02	1.74E+01	2.62E-01	5.12E-02	1.78E+01	7.59E-02	7.33E-05	2.62E-02	1.00E-02	1.12E-01	8.51E-02	1.74E+01	2.62E-01	5.12E-02	1.78E+01
5147	497363.09	3864377.25	0.89419	1.5624	2.183	0.82353	6.82E-02	1.67E+01	2.41E-01	4.71E-02	1.70E+01	6.62E-02	7.04E-05	2.41E-02	9.22E-03	9.96E-02	7.42E-02	1.67E+01	2.41E-01	4.71E-02	1.70E+01
5148	497863.09	3864377.25	0.80811	1.43151	1.8227	0.7949	6.16E-02	1.53E+01	2.02E-01	4.55E-02	1.56E+01	5.98E-02	6.45E-05	2.02E-02	8.90E-03	8.89E-02	6.71E-02	1.53E+01	2.02E-01	4.55E-02	1.56E+01
5149	498363.09	3864377.25	0.75592	1.20998	2.1571	0.64939	5.76E-02	1.29E+01	2.38E-01	3.71E-02	1.32E+01	5.60E-02	5.45E-05	2.38E-02	7.27E-03	8.71E-02	6.28E-02	1.29E+01	2.38E-01	3.71E-02	1.33E+01
5150	471363.09	3864877.25	0.4911	0.44306	1.5934	0.37099	3.74E-02	4.73E+00	1.76E-01	2.12E-02	4.96E+00	3.64E-02	2.00E-05	1.76E-02	4.15E-03	5.81E-02	4.08E-02	4.73E+00	1.76E-01	2.12E-02	4.97E+00
5151	471863.09	3864877.25	0.49506	0.44361	1.6531	0.35979	3.77E-02	4.73E+00	1.83E-01	2.06E-02	4.98E+00	3.67E-02	2.00E-05	1.83E-02	4.03E-03	5.90E-02	4.11E-02	4.73E+00	1.83E-01	2.06E-02	4.98E+00
5152	472363.09	3864877.25	0.49409	0.4405	1.676	0.33727	3.77E-02	4.70E+00	1.85E-01	1.93E-02	4.94E+00	3.66E-02	1.99E-05	1.85E-02	3.78E-03	5.89E-02	4.10E-02	4.70E+00	1.85E-01	1.93E-02	4.95E+00
5153	472863.09	3864877.25	0.57334	0.45635	1.656	0.33872	4.37E-02	4.87E+00	1.83E-01	1.94E-02	5.12E+00	4.24E-02	2.06E-05	1.83E-02	3.79E-03	6.46E-02	4.76E-02	4.87E+00	1.83E-01	1.94E-02	5.12E+00
5154	473363.09	3864877.25	0.62091	0.50755	2.2712	0.41629	4.73E-02	5.42E+00	2.51E-01	2.38E-02	5.74E+00	4.60E-02	2.29E-05	2.51E-02	4.66E-03	7.58E-02	5.15E-02	5.42E+00	2.51E-01	2.38E-02	5.74E+00
5155	473863.09	3864877.25	0.64758	0.54605	2.928	0.42911	4.94E-02	5.83E+00	3.24E-01	2.45E-02	6.22E+00	4.79E-02	2.46E-05	3.24E-02	4.80E-03	8.51E-02	5.38E-02	5.83E+00	3.24E-01	2.45E-02	6.23E+00
5156	474363.09	3864877.25	0.67839	0.5705	3.4218	0.38932	5.17E-02	6.09E+00	3.78E-01	2.23E-02	6.54E+00	5.02E-02	2.57E-05	3.78E-02	4.36E-03	9.24E-02	5.63E-02	6.09E+00	3.78E-01	2.23E-02	6.55E+00
5157	474863.09	3864877.25	0.67729	0.58127	3.4271	0.37826	5.16E-02	6.20E+00	3.79E-01	2.16E-02	6.66E+00	5.01E-02	2.62E-05	3.79E-02	4.23E-03	9.23E-02	5.62E-02	6.20E+00	3.79E-01	2.16E-02	6.66E+00
5158	475363.09	3864877.25	0.75167	0.58486	2.9188	0.3607	5.73E-02	6.24E+00	3.23E-01	2.06E-02	6.64E+00	5.56E-02	2.64E-05	3.23E-02	4.04E-03	9.20E-02	6.24E-02	6.24E+00	3.23E-01	2.06E-02	6.65E+00
5159	475863.09	3864877.25	0.83719	0.58889	2.0291	0.36566	6.38E-02	6.28E+00	2.24E-01	2.09E-02	6.59E+00	6.20E-02	2.65E-05	2.24E-02	4.09E-03	8.85E-02	6.95E-02	6.28E+00	2.24E-01	2.09E-02	6.60E+00
5160	476363.09	3864877.25	0.86503	0.63078	1.727	0.4062	6.59E-02	6.73E+00	1.91E-01	2.32E-02	7.01E+00	6.40E-02	2.84E-05	1.91E-02	4.55E-03	8.77E-02	7.18E-02	6.73E+00	1.91E-01	2.32E-02	7.02E+00
5161	476863.09	3864877.25	0.88388	0.75012	1.7045	0.44517	6.74E-02	8.01E+00	1.88E-01	2.55E-02	8.29E+00	6.54E-02	3.38E-05	1.88E-02	4.98E-03	8.93E-02	7.34E-02	8.01E+00	1.88E-01	2.55E-02	8.29E+00
5162	477363.09	3864877.25	0.88985	0.81838	1.8312	0.46308	6.78E-02	8.73E+00	2.02E-01	2.65E-02	9.03E+00	6.59E-02	3.69E-05	2.02E-02	5.18E-03	9.13E-02	7.39E-02	8.73E+00	2.02E-01	2.65E-02	9.04E+00
5163	477863.09	3864877.25	0.84209	0.78428	2.0916	0.45099	6.42E-02	8.37E+00	2.31E-01	2.58E-02	8.69E+00	6.23E-02	3.54E-05	2.31E-02	5.05E-03	9.06E-02	6.99E-02	8.37E+00	2.31E-01	2.58E-02	8.70E+00
5164	478363.09	3864877.25	0.85355	0.72112	2.2028	0.45828	6.51E-02	7.70E+00	2.44E-01	2.62E-02	8.03E+00	6.32E-02	3.25E-05	2.44E-02	5.13E-03	9.27E-02	7.09E-02	7.70E+00	2.44E-01	2.62E-02	8.04E+00
5165	478863.09	3864877.25	0.95909	0.65845	2.3327	0.47955	7.31E-02	7.03E+00	2.58E-01	2.74E-02	7.39E+00	7.10E-02	2.97E-05	2.58E-02	5.37E-03	1.02E-01	7.96E-02	7.03E+00	2.58E-01	2.74E-02	7.39E+00
5166	479363.09	3864877.25	1.03386	0.79555	3.2185	0.50415	7.88E-02	8.49E+00	3.56E-01	2.88E-02	8.95E+00	7.65E-02	3.59E-05	3.56E-02	5.64E-03	1.18E-01	8.58E-02	8.49E+00	3.56E-01	2.88E-02	8.96E+00
5167	479863.09	3864877.25	0.97931	0.90845	3.2116	0.52006	7.46E-02	9.69E+00	3.55E-01	2.97E-02	1.02E+01	7.25E-02	4.10E-05	3.55E-02	5.82E-03	1.14E-01	8.13E-02	9.69E+00	3.55E-01	2.97E-02	1.02E+01
5168	480363.09	3864877.25	0.88091	1.00112	2.2341	0.52629	6.71E-02	1.07E+01	2.47E-01	3.01E-02	1.10E+01	6.52E-02	4.51E-05	2.47E-02	5.89E-03	9.59E-02	7.31E-02	1.07E+01	2.47E-01	3.01E-02	1.10E+01
5169	480863.09	3864877.25	1.08406	1.04278	1.9935	0.50352	8.26E-02	1.11E+01	2.20E-01	2.88E-02	1.15E+01	8.03E-02	4.70E-05	2.20E-02	5.64E-03	1.08E-01	9.00E-02	1.11E+01	2.20E-01	2.88E-02	1.15E+01
5170	481363.09	3864877.25	1.26961	1.01577	1.871	0.4799	9.68E-02	1.08E+01	2.07E-01	2.74E-02	1.12E+01	9.40E-02	4.58E-05	2.07E-02	5.37E-03	1.20E-01	1.05E-01	1.08E+01	2.07E-01	2.74E-02	1.12E+01
5171	481863.09	3864877.25	1.334	1.00533	1.9663	0.56199	1.02E-01	1.07E+01	2.17E-01	3.21E-02	1.11E+01	9.88E-02	4.53E-05	2.17E-02	6.29E-03	1.27E-01	1.11E-01	1.07E+01	2.17E-01	3.21E-02	1.11E+01
5172	482363.09	3864877.25	1.24125	0.94082	2.079	0.61865	9.46E-02	1.00E+01	2.30E-01	3.54E-02	1.04E+01	9.19E-02	4.24E-05	2.30E-02	6.93E-03	1.22E-01	1.03E-01	1.00E+01	2.30E-01	3.54E-02	1.04E+01
5173	482863.09	3864877.25	1.22395	1.0026	1.9629	0.61376	9.33E-02	1.07E+01	2.17E-01	3.51E-02	1.10E+01	9.06E-02	4.52E-05	2.17E-02	6.87E-03	1.19E-01	1.02E-01	1.07E+01	2.17E-01	3.51E-02	1.11E+01
5174	483363.09	3864877.25	1.15475	1.0898	1.6821	0.61014	8.80E-02	1.16E+01	1.86E-01	3.49E-02	1.19E+01	8.55E-02	4.91E-05	1.86E-02	6.83E-03	1.11E-01	9.59E-02	1.16E+01	1.86E-01	3.49E-02	1.19E+01
5175	483863.09	3864877.25	1.27433	1.06556	3.4993	0.64532	9.71E-02	1.14E+01	3.87E-01	3.69E-02	1.19E+01	9.43E-02	4.80E-05	3.87E-02	7.22E-03	1.40E-01	1.06E-01	1.14E+01	3.87E-01	3.69E-02	1.19E+01
5176	484363.09	3864877.25	1.3136	0.88801	3.6325	0.63259	1.00E-01	9.48E+00	4.02E-01	3.62E-02	1.00E+01	9.73E-02	4.00E-05	4.02E-02	7.08E-03	1.45E-01	1.09E-01	9.48E+00	4.02E-01	3.62E-02	1.00E+01
5177	484863.09	3864877.25	1.21136	1.11001	3.5376	0.49062	9.23E-02	1.18E+01	3.91E-01	2.81E-02	1.24E+01	8.97E-02	5.00E-05	3.91E-02	5.49E-03	1.34E-01	1.01E-01	1.18E+01	3.91E-01	2.81E-02	1.24E+01
5178	485363.09	3864877.25	1.10381	1.16281	2.015	0.6451	8.41E-02	1.24E+01	2.23E-01	3.69E-02	1.28E+01	8.17E-02	5.24E-05	2.23E-02	7.22E-03	1.11E-01	9.16E-02	1.24E+01	2.23E-01	3.69E-02	1.28E+01
5179	485863.09	3864877.25	0.99779	1.19317	2.5953	0.45588	7.61E-02	1.27E+01	2.87E-01	2.61E-02	1.31E+01	7.39E-02	5.38E-05	2.87E-02	5.10E-03	1.08E-01	8.28E-02	1.27E+01	2.87E-01	2.61E-02	1.31E+01
5180	486363.09	3864877.25	0.96451	1.24182	2.3051	0.46026	7.35E-02	1.33E+01	2.55E-01	2.63E-02	1.36E+01	7.14E-02	5.60E-05	2.55E-02	5.15E-03	1.02E-01	8.01E-02	1.33E+01	2.55E-01	2.63E-02	1.36E+01
5181	486863.09	3864877.25	1.22211	1.14706	3.7754	0.60783	9.32E-02	1.22E+01	4.17E-01	3.48E-02	1.28E+01	9.05E-02	5.17E-05	4.17E-02	6.80E-03	1.39E-01	1.01E-01	1.22E+01	4.17E-01	3.48E-02	1.28E+01

5182	487363.09	3864877.25	1.40129	1.18601	4.2129	0.80546	1.07E-01	1.27E+01	4.66E-01	4.61E-02	1.33E+01	1.04E-01	5.35E-05	4.66E-02	9.02E-03	1.59E-01	1.16E-01	1.27E+01	4.66E-01	4.61E-02	1.33E+01
5183	487863.09	3864877.25	1.2788	1.31478	3.1557	0.80182	9.75E-02	1.40E+01	3.49E-01	4.59E-02	1.45E+01	9.47E-02	5.93E-05	3.49E-02	8.98E-03	1.39E-01	1.06E-01	1.40E+01	3.49E-01	4.59E-02	1.45E+01
5184	488363.09	3864877.25	1.22612	1.21196	3.2453	0.52915	9.35E-02	1.29E+01	3.59E-01	3.03E-02	1.34E+01	9.08E-02	5.46E-05	3.59E-02	5.92E-03	1.33E-01	1.02E-01	1.29E+01	3.59E-01	3.03E-02	1.34E+01
5185	488863.09	3864877.25	1.18753	1.57743	2.0022	0.42042	9.05E-02	1.68E+01	2.21E-01	2.40E-02	1.72E+01	8.79E-02	7.11E-05	2.21E-02	4.71E-03	1.15E-01	9.86E-02	1.68E+01	2.21E-01	2.40E-02	1.72E+01
5186	489363.09	3864877.25	1.21325	1.65766	2.2931	0.50141	9.25E-02	1.77E+01	2.54E-01	2.87E-02	1.81E+01	8.98E-02	7.47E-05	2.54E-02	5.61E-03	1.21E-01	1.01E-01	1.77E+01	2.54E-01	2.87E-02	1.81E+01
5187	489863.09	3864877.25	1.28782	1.20589	2.388	0.56041	9.82E-02	1.29E+01	2.64E-01	3.20E-02	1.33E+01	9.53E-02	5.44E-05	2.64E-02	6.27E-03	1.28E-01	1.07E-01	1.29E+01	2.64E-01	3.20E-02	1.33E+01
5188	490363.09	3864877.25	1.08957	1.29929	1.4866	0.66951	8.30E-02	1.39E+01	1.64E-01	3.83E-02	1.42E+01	8.07E-02	5.86E-05	1.64E-02	7.49E-03	1.05E-01	9.05E-02	1.39E+01	1.64E-01	3.83E-02	1.42E+01
5189	490863.09	3864877.25	1.50497	1.38842	1.5848	0.74907	1.15E-01	1.48E+01	1.75E-01	4.28E-02	1.51E+01	1.11E-01	6.26E-05	1.75E-02	8.39E-03	1.37E-01	1.25E-01	1.48E+01	1.75E-01	4.28E-02	1.52E+01
5190	491363.09	3864877.25	1.75592	1.47896	2.016	0.89704	1.34E-01	1.58E+01	2.23E-01	5.13E-02	1.62E+01	1.30E-01	6.67E-05	2.23E-02	1.00E-02	1.62E-01	1.46E-01	1.58E+01	2.23E-01	5.13E-02	1.62E+01
5191	491863.09	3864877.25	1.28626	1.41216	2.5077	1.02408	9.80E-02	1.51E+01	2.77E-01	5.86E-02	1.55E+01	9.52E-02	6.37E-05	2.77E-02	1.15E-02	1.34E-01	1.07E-01	1.51E+01	2.77E-01	5.86E-02	1.55E+01
5192	492363.09	3864877.25	0.77924	0.28825	2.2069	0.7744	5.94E-02	3.08E+00	2.44E-01	4.43E-02	3.42E+00	5.77E-02	1.30E-05	2.44E-02	8.67E-03	9.08E-02	6.47E-02	3.08E+00	2.44E-01	4.43E-02	3.43E+00
5193	492863.09	3864877.25	1.05913	0.40137	3.3327	0.87696	8.07E-02	4.28E+00	3.68E-01	5.01E-02	4.78E+00	7.84E-02	1.81E-05	3.68E-02	9.82E-03	1.25E-01	8.79E-02	4.28E+00	3.68E-01	5.01E-02	4.79E+00
5194	493363.09	3864877.25	1.40269	0.52967	4.5545	1.05265	1.07E-01	5.65E+00	5.04E-01	6.02E-02	6.32E+00	1.04E-01	2.39E-05	5.04E-02	1.18E-02	1.66E-01	1.16E-01	5.65E+00	5.04E-01	6.02E-02	6.33E+00
5195	493863.09	3864877.25	1.53546	1.47807	8.1583	1.67132	1.17E-01	1.58E+01	9.02E-01	9.56E-02	1.69E+01	1.14E-01	6.66E-05	9.02E-02	1.87E-02	2.23E-01	1.27E-01	1.58E+01	9.02E-01	9.56E-02	1.69E+01
5196	494363.09	3864877.25	1.60032	1.40465	3.3569	1.36182	1.22E-01	1.50E+01	3.71E-01	7.79E-02	1.56E+01	1.18E-01	6.33E-05	3.71E-02	1.52E-02	1.71E-01	1.33E-01	1.50E+01	3.71E-01	7.79E-02	1.56E+01
5197	494863.09	3864877.25	1.76847	1.47667	2.3864	0.78908	1.35E-01	1.58E+01	2.64E-01	4.51E-02	1.62E+01	1.31E-01	6.66E-05	2.64E-02	8.83E-03	1.66E-01	1.47E-01	1.58E+01	2.64E-01	4.51E-02	1.62E+01
5198	495363.09	3864877.25	1.4388	1.2613	2.7099	0.76638	1.10E-01	1.35E+01	3.00E-01	4.38E-02	1.39E+01	1.07E-01	5.69E-05	3.00E-02	8.58E-03	1.45E-01	1.19E-01	1.35E+01	3.00E-01	4.38E-02	1.39E+01
5199	495863.09	3864877.25	1.48397	1.01384	4.1326	0.83126	1.13E-01	1.08E+01	4.57E-01	4.75E-02	1.14E+01	1.10E-01	4.57E-05	4.57E-02	9.31E-03	1.65E-01	1.23E-01	1.08E+01	4.57E-01	4.75E-02	1.14E+01
5200	496363.09	3864877.25	1.37115	0.99476	3.4894	0.72805	1.05E-01	1.06E+01	3.86E-01	4.16E-02	1.11E+01	1.02E-01	4.48E-05	3.86E-02	8.15E-03	1.48E-01	1.14E-01	1.06E+01	3.86E-01	4.16E-02	1.12E+01
5201	496863.09	3864877.25	0.98704	1.139	2.0009	0.74961	7.52E-02	1.22E+01	2.21E-01	4.29E-02	1.25E+01	7.31E-02	5.13E-05	2.21E-02	8.39E-03	1.04E-01	8.19E-02	1.22E+01	2.21E-01	4.29E-02	1.25E+01
5202	497363.09	3864877.25	0.95648	1.40219	2.1384	0.83618	7.29E-02	1.50E+01	2.36E-01	4.78E-02	1.53E+01	7.08E-02	6.32E-05	2.36E-02	9.36E-03	1.04E-01	7.94E-02	1.50E+01	2.36E-01	4.78E-02	1.53E+01
5203	497863.09	3864877.25	0.87857	1.5147	2.2602	0.93505	6.70E-02	1.62E+01	2.50E-01	5.35E-02	1.65E+01	6.50E-02	6.83E-05	2.50E-02	1.05E-02	1.01E-01	7.29E-02	1.62E+01	2.50E-01	5.35E-02	1.65E+01
5204	498363.09	3864877.25	0.72255	1.4169	1.8992	0.86841	5.51E-02	1.51E+01	2.10E-01	4.97E-02	1.54E+01	5.35E-02	6.39E-05	2.10E-02	9.72E-03	8.43E-02	6.00E-02	1.51E+01	2.10E-01	4.97E-02	1.54E+01
5205	471363.09	3865377.25	0.47297	0.39828	1.5797	0.3423	3.61E-02	4.25E+00	1.75E-01	1.96E-02	4.48E+00	3.50E-02	1.80E-05	1.75E-02	3.83E-03	5.63E-02	3.93E-02	4.25E+00	1.75E-01	1.96E-02	4.48E+00
5206	471863.09	3865377.25	0.49352	0.44138	1.5496	0.36051	3.76E-02	4.71E+00	1.71E-01	2.06E-02	4.94E+00	3.65E-02	1.99E-05	1.71E-02	4.04E-03	5.77E-02	4.10E-02	4.71E+00	1.71E-01	2.06E-02	4.94E+00
5207	472363.09	3865377.25	0.56776	0.48544	2.2458	0.38016	4.33E-02	5.18E+00	2.48E-01	2.17E-02	5.49E+00	4.20E-02	2.19E-05	2.48E-02	4.26E-03	7.11E-02	4.71E-02	5.18E+00	2.48E-01	2.17E-02	5.50E+00
5208	472863.09	3865377.25	0.60747	0.51843	2.9082	0.40874	4.63E-02	5.53E+00	3.22E-01	2.34E-02	5.92E+00	4.50E-02	2.34E-05	3.22E-02	4.58E-03	8.17E-02	5.04E-02	5.53E+00	3.22E-01	2.34E-02	5.93E+00
5209	473363.09	3865377.25	0.62904	0.53913	3.2952	0.41334	4.79E-02	5.75E+00	3.64E-01	2.36E-02	6.19E+00	4.66E-02	2.43E-05	3.64E-02	4.63E-03	8.77E-02	5.22E-02	5.75E+00	3.64E-01	2.36E-02	6.19E+00
5210	473863.09	3865377.25	0.64868	0.54804	3.2471	0.36985	4.94E-02	5.85E+00	3.59E-01	2.11E-02	6.28E+00	4.80E-02	2.47E-05	3.59E-02	4.14E-03	8.81E-02	5.39E-02	5.85E+00	3.59E-01	2.11E-02	6.28E+00
5211	474363.09	3865377.25	0.63815	0.55147	2.8114	0.34664	4.86E-02	5.89E+00	3.11E-01	1.98E-02	6.26E+00	4.72E-02	2.49E-05	3.11E-02	3.88E-03	8.22E-02	5.30E-02	5.89E+00	3.11E-01	1.98E-02	6.27E+00
5212	474863.09	3865377.25	0.71527	0.553	2.1152	0.3478	5.45E-02	5.90E+00	2.34E-01	1.99E-02	6.21E+00	5.30E-02	2.49E-05	2.34E-02	3.89E-03	8.03E-02	5.94E-02	5.90E+00	2.34E-01	1.99E-02	6.21E+00
5213	475363.09	3865377.25	0.78667	0.57187	1.6091	0.34471	6.00E-02	6.10E+00	1.78E-01	1.97E-02	6.36E+00	5.82E-02	2.58E-05	1.78E-02	3.86E-03	7.99E-02	6.53E-02	6.10E+00	1.78E-01	1.97E-02	6.37E+00
5214	475863.09	3865377.25	0.80443	0.60235	1.6001	0.38381	6.13E-02	6.43E+00	1.77E-01	2.19E-02	6.69E+00	5.96E-02	2.72E-05	1.77E-02	4.30E-03	8.16E-02	6.68E-02	6.43E+00	1.77E-01	2.19E-02	6.69E+00
5215	476363.09	3865377.25	0.81837	0.7009	1.6039	0.42558	6.24E-02	7.48E+00	1.77E-01	2.43E-02	7.74E+00	6.06E-02	3.16E-05	1.77E-02	4.76E-03	8.31E-02	6.79E-02	7.48E+00	1.77E-01	2.43E-02	7.75E+00
5216	476863.09	3865377.25	0.85118	0.71131	2.1591	0.44336	6.49E-02	7.59E+00	2.39E-01	2.54E-02	7.92E+00	6.30E-02	3.21E-05	2.39E-02	4.96E-03	9.19E-02	7.07E-02	7.59E+00	2.39E-01	2.54E-02	7.93E+00
5217	477363.09	3865377.25	0.81205	0.72473	2.0971	0.4493	6.19E-02	7.73E+00	2.32E-01	2.57E-02	8.05E+00	6.01E-02	3.27E-05	2.32E-02	5.03E-03	8.84E-02	6.74E-02	7.73E+00	2.32E-01	2.57E-02	8.06E+00
5218	477863.09	3865377.25	0.79909	0.64135	2.0761	0.4544	6.09E-02	6.84E+00	2.30E-01	2.60E-02	7.16E+00	5.92E-02	2.89E-05	2.30E-02	5.09E-03	8.72E-02	6.63E-02	6.84E+00	2.30E-01	2.60E-02	7.17E+00
5219	478363.09	3865377.25	0.88259	0.60334	2.5663	0.48072	6.73E-02	6.44E+00	2.84E-01	2.75E-02	6.82E+00	6.53E-02	2.72E-05	2.84E-02	5.38E-03	9.91E-02	7.33E-02	6.44E+00	2.84E-01	2.75E-02	6.82E+00
5220	478863.09	3865377.25	0.96656	0.71727	3.1718	0.49494	7.37E-02	7.65E+00	3.51E-01	2.83E-02	8.11E+00	7.16E-02	3.23E-05	3.51E-02	5.54E-03	1.12E-01	8.02E-02	7.65E+00	3.51E-01	2.83E-02	8.11E+00
5221	479363.09	3865377.25	0.94545	0.83644	2.9285	0.49944	7.21E-02	8.93E+00	3.24E-01	2.86E-02	9.35E+00	7.00E-02	3.77E-05	3.24E-02	5.59E-03	1.08E-01	7.85E-02	8.93E+00	3.24E-01	2.86E-02	9.36E+00
5222	479863.09	3865377.25	0.76597	0.94808	2.066	0.49089	5.84E-02	1.01E+01	2.28E-01	2.81E-02	1.04E+01	5.67E-02	4.27E-05	2.28E-02	5.50E-03	8.51E-02	6.36E-02	1.01E+01	2.28E-01	2.81E-02	1.04E+01
5223	480363.09	3865377.25	0.92337	1.02129	1.8481	0.45348	7.04E-02	1.09E+01	2.04E-01	2.59E-02	1.12E+01	6.84E-02	4.60E-05	2.04E-02	5.08E-03	9.39E-02	7.67E-02	1.09E+01	2.04E-01	2.59E-02	1.12E+01
5224	480863.09	3865377.25	1.11537	1.00752	1.7164	0.48616	8.50E-02	1.08E+01	1.90E-01	2.78E-02	1.11E+01	8.26E-02	4.54E-05	1.90E-02	5.44E-03	1.07E-01	9.26E-02	1.08E+01	1.90E-01	2.78E-02	1.11E+01
5225	481363.09	3865377.25	1.25132	0.94134	1.8234	0.55359	9.54E-02	1.00E+01	2.02E-01	3.17E-02	1.04E+01	9.26E-02	4.24E-05	2.02E-02	6.20E-03	1.19E-01	1.04E-01	1.00E+01	2.02E-01	3.17E-02	1.04E+01
5226	481863.09	3865377.25	1.24291	0.90089	1.9551	0.5924	9.47E-02	9.61E+00	2.16E-01	3.39E-02	9.96E+00	9.20E-02	4.06E-05	2.16E-02	6.63E-03	1.20E-01	1.03E-01	9.61E+00	2.16E-01	3.39E-02	9.97E+00
5227	482363.09	3865377.25	1.14691	0.87395	1.8992	0.58184	8.74E-02	9.33E+00	2.10E-01	3.33E-02	9.66E+00	8.49E-02	3.94E-05	2.10E-02	6.51E-03	1.12E-01	9.52E-02	9.33E+00	2.10E-01	3.33E-02	9.67E+00
5228	482863.09	3865377.25	1.15409	0.90177	1.5291	0.5709	8.80E-02	9.62E+00	1.69E-01	3.26E-02	9.91E+00	8.54E-02	4.07E-05	1.69E-02	6.39E-03	1.09E-01	9.58E-02	9.62E+00	1.69E-01	3.26E-02	9.92E+00
5229	483363.09	3865377.25	1.02865	0.91458	2.7027	0.60398	7.84E-02	9.76E+00	2.99E-01	3.45E-02	1.02E+01	7.62E-02	4.12E-05	2.99E-02	6.76E-03	1.13E-01	8.54E-02	9.76E+00	2.99E-01	3.45E-02	1.02E+01
5230	483863.09	3865377.25	1.24889	0.83243	3.6929	0.61114	9.52E-02	8.88E+00	4.08E-01	3.49E-02	9.42E+00	9.25E-02	3.75E-05	4.08E-02	6.84E-03	1.40E-01	1.04E-01	8.88E+00	4.08E-01	3.49E-02	9.43E+00
5231	484363.09	3865377.25	1.26738	0.97187	2.8766	0.51265	9.66E-02	1.04E+01	3.18E-01	2.93E-02	1.08E+01	9.38E-02	4.38E-05	3.18E-02	5.74E-03	1.31E-01	1.05E-01	1.04E+01	3.18E-01	2.93E-02	1.08E+01
5232	484863.09	3865377.25	1.17434	1.00807	3.1724	0.53729	8.95E-02	1.08E+01	3.51E-01	3.07E-02	1.12E+01	8.69E-02	4.54E-05	3.51E-02	6.01E-03	1.28E-01	9.75E-02	1.08E+01	3.51E-01	3.07E-02	1.12E+01
5233	485363.09	3865377.25	1.06788	1.09973	1.9433	0.58371	8.14E-02	1.17E+01	2.15E-01	3.34E-02	1.21E+01	7.91E-02	4.96E-05	2.15E-02	6.53E-03	1.07E-01	8.87E-02	1.17E+01	2.15E-01	3.34E-02	1.21E+01
5234	485863.09	3865377.25	0.92322	1.06471	2.4822	0.47918	7.04E-02	1.14E+01	2.74E-01	2.74E-02	1.17E+01	6.83E-02	4.80E-05	2.74E-02	5.36E-03	1.01E-01	7.66E-02	1.14E+01	2.74E-01	2.74E-02	1.17E+01
5235	486363.09	3865377.25	0.87952	1.08905	2.4939	0.47913	6.70E-02	1.16E+01	2.76E-01	2.74E-02	1.20E+01	6.51E-02	4.91E-05	2.76E-02	5.36E-03	9.81E-02	7.30E-02	1.16E+01	2.76E-01	2.74E-02	1.20E+01
5236	486863.09	3865377.25	1.13052	1.054	3.7365	0.63825	8.62E-02	1.12E+01	4.13E-01	3.65E-02	1.18E+01	8.37E-02	4.75E-05	4.13E-02	7.14E-03	1.32E-01	9.39E-02	1.12E+01	4.13E-01	3.65E-02	1.18E+01
5237	487363.09	3865377.25	1.33062	1.12548	3.9534	0.79898	1.01E-01	1.20E+01	4.37E-01	4.57E-02	1.26E+01	9.85E-02	5.07E-05	4.37E-02	8.94E-03	1.51E-01	1.10E-01	1.20E+01	4.37E-01	4.57E-02	1.26E+01
5238	487863.09	3865377.25	1.24976	1.22351	2.913	0.74435	9.53E-02	1.31E+01	3.22E-01	4.26E-02	1.35E+01	9.25E-02	5.52E-05	3.22E-02	8.33E-03	1.33E-01	1.04E-01	1.31E+01	3.22E-01	4.26E-02	1.35E+01
5239	488363.09	3865377.25	1.11603	1.16575	3.2503	0.5427	8.51E-02	1.24E+01	3.59E-01	3.10E-02	1.29E+01	8.26E-02	5.26E-05	3.59E-02	6.08E-03	1.25E-01	9.27E-02	1.24E+01	3.59E-01	3.10E-02	1.29E+01
5240	488863.09	3865377.25	1.19589	1.3991	2.104	0.42899	9.12E-02	1.49E+01	2.33E-01	2.45E-02	1.53E+01	8.85E-02	6.31E-05	2.33E-02	4.80E-03	1.17E-01	9.93E-02	1.49E+01	2.33E-01	2.45E-02	1.53E+01
5241	489363.09	3865377.25	0.99837	1.5246	2.0348	0.48771	7.61E-02	1.63E+01	2.25E-01	2.79E-02	1.66E+01	7.39E-02	6.87E-05	2.25E-02	5.46E-03	1.02E-01	8.29E-02	1.63E+01	2.25E-01	2.79E-02	1.66E+01
5242	489863.09	3865377.25	1.26239	1.19412	2.5376	0.52109	9.62E-02	1.27E+01	2.81E-01	2.98E-02	1.31E+01	9.35E-02	5.38E-05	2.81E-02	5.83E-03	1.27E-01	1.05E-01	1.27E+01	2.81E-01	2.98E-02	1.32E+01

5243	490363.09	3865377.25	1.08284	1.15787	1.9574	0.61016	8.25E-02	1.24E+01	2.16E-01	3.49E-02	1.27E+01	8.02E-02	5.22E-05	2.16E-02	6.83E-03	1.09E-01	8.99E-02	1.24E+01	2.16E-01	3.49E-02	1.27E+01
5244	490863.09	3865377.25	1.26462	1.1887	1.2047	0.69831	9.64E-02	1.27E+01	1.33E-01	3.99E-02	1.30E+01	9.36E-02	5.36E-05	1.33E-02	7.82E-03	1.15E-01	1.05E-01	1.27E+01	1.33E-01	3.99E-02	1.30E+01
5245	491363.09	3865377.25	1.5955	1.16986	1.6029	0.70237	1.22E-01	1.25E+01	1.77E-01	4.02E-02	1.28E+01	1.18E-01	5.27E-05	1.77E-02	7.86E-03	1.44E-01	1.32E-01	1.25E+01	1.77E-01	4.02E-02	1.28E+01
5246	491863.09	3865377.25	1.569	1.14434	2.1792	0.8614	1.20E-01	1.22E+01	2.41E-01	4.93E-02	1.26E+01	1.16E-01	5.16E-05	2.41E-02	9.64E-03	1.50E-01	1.30E-01	1.22E+01	2.41E-01	4.93E-02	1.26E+01
5247	492363.09	3865377.25	1.27228	0.8059	2.3778	4.45393	9.70E-02	8.60E+00	2.63E-01	2.55E-01	9.21E+00	9.42E-02	3.63E-05	2.63E-02	4.99E-02	1.70E-01	1.06E-01	8.60E+00	2.63E-01	2.55E-01	9.22E+00
5248	492863.09	3865377.25	1.24989	0.44162	2.8157	1.34499	9.53E-02	4.71E+00	3.11E-01	7.69E-02	5.20E+00	9.25E-02	1.99E-05	3.11E-02	1.51E-02	1.39E-01	1.04E-01	4.71E+00	3.11E-01	7.69E-02	5.20E+00
5249	493363.09	3865377.25	1.08328	0.37373	2.977	0.84637	8.26E-02	3.99E+00	3.29E-01	4.84E-02	4.45E+00	8.02E-02	1.68E-05	3.29E-02	9.47E-03	1.23E-01	8.99E-02	3.99E+00	3.29E-01	4.84E-02	4.46E+00
5250	493863.09	3865377.25	1.87265	0.81459	14.376	1.66142	1.43E-01	8.69E+00	1.59E+00	9.50E-02	1.05E+01	1.39E-01	3.67E-05	1.59E-01	1.86E-02	3.16E-01	1.55E-01	8.69E+00	1.59E+00	9.50E-02	1.05E+01
5251	494363.09	3865377.25	1.41181	1.44447	4.4091	1.43568	1.08E-01	1.54E+01	4.87E-01	8.21E-02	1.61E+01	1.05E-01	6.51E-05	4.87E-02	1.61E-02	1.69E-01	1.17E-01	1.54E+01	4.87E-01	8.21E-02	1.61E+01
5252	494863.09	3865377.25	1.52296	1.3933	3.1199	1.39805	1.16E-01	1.49E+01	3.45E-01	7.99E-02	1.54E+01	1.13E-01	6.28E-05	3.45E-02	1.57E-02	1.63E-01	1.26E-01	1.49E+01	3.45E-01	7.99E-02	1.54E+01
5253	495363.09	3865377.25	1.63591	1.36317	2.2677	0.90103	1.25E-01	1.45E+01	2.51E-01	5.15E-02	1.50E+01	1.21E-01	6.14E-05	2.51E-02	1.01E-02	1.56E-01	1.36E-01	1.45E+01	2.51E-01	5.15E-02	1.50E+01
5254	495863.09	3865377.25	1.36821	1.24007	2.5411	0.72088	1.04E-01	1.32E+01	2.81E-01	4.12E-02	1.37E+01	1.01E-01	5.59E-05	2.81E-02	8.07E-03	1.38E-01	1.14E-01	1.32E+01	2.81E-01	4.12E-02	1.37E+01
5255	496363.09	3865377.25	1.41469	1.00073	3.6774	0.77019	1.08E-01	1.07E+01	4.07E-01	4.40E-02	1.12E+01	1.05E-01	4.51E-05	4.07E-02	8.62E-03	1.54E-01	1.17E-01	1.07E+01	4.07E-01	4.40E-02	1.12E+01
5256	496863.09	3865377.25	1.40831	0.94701	3.4287	0.87285	1.07E-01	1.01E+01	3.79E-01	4.99E-02	1.06E+01	1.04E-01	4.27E-05	3.79E-02	9.77E-03	1.52E-01	1.17E-01	1.01E+01	3.79E-01	4.99E-02	1.07E+01
5257	497363.09	3865377.25	0.91344	0.92421	2.2127	0.68721	6.96E-02	9.86E+00	2.45E-01	3.93E-02	1.02E+01	6.76E-02	4.17E-05	2.45E-02	7.69E-03	9.98E-02	7.58E-02	9.86E+00	2.45E-01	3.93E-02	1.02E+01
5258	497863.09	3865377.25	0.89127	1.11177	1.8757	0.73396	6.79E-02	1.19E+01	2.07E-01	4.20E-02	1.22E+01	6.60E-02	5.01E-05	2.07E-02	8.22E-03	9.50E-02	7.40E-02	1.19E+01	2.07E-01	4.20E-02	1.22E+01
5259	498363.09	3865377.25	0.84159	1.33833	2.1651	0.86849	6.41E-02	1.43E+01	2.39E-01	4.97E-02	1.46E+01	6.23E-02	6.03E-05	2.39E-02	9.72E-03	9.60E-02	6.99E-02	1.43E+01	2.39E-01	4.97E-02	1.46E+01
5260	471363.09	3865877.25	0.50002	0.46537	2.2344	0.39412	3.81E-02	4.97E+00	2.47E-01	2.25E-02	5.27E+00	3.70E-02	2.10E-05	2.47E-02	4.41E-03	6.62E-02	4.15E-02	4.97E+00	2.47E-01	2.25E-02	5.28E+00
5261	471863.09	3865877.25	0.55989	0.49402	2.8367	0.39357	4.27E-02	5.27E+00	3.14E-01	2.25E-02	5.65E+00	4.15E-02	2.23E-05	3.14E-02	4.41E-03	7.72E-02	4.65E-02	5.27E+00	3.14E-01	2.25E-02	5.65E+00
5262	472363.09	3865877.25	0.59267	0.51003	3.2685	0.40162	4.52E-02	5.44E+00	3.61E-01	2.30E-02	5.87E+00	4.39E-02	2.30E-05	3.61E-02	4.50E-03	8.45E-02	4.92E-02	5.44E+00	3.61E-01	2.30E-02	5.88E+00
5263	472863.09	3865877.25	0.60891	0.51875	3.2114	0.39618	4.64E-02	5.54E+00	3.55E-01	2.27E-02	5.96E+00	4.51E-02	2.34E-05	3.55E-02	4.43E-03	8.50E-02	5.06E-02	5.54E+00	3.55E-01	2.27E-02	5.96E+00
5264	473363.09	3865877.25	0.61838	0.51871	2.7534	0.33225	4.71E-02	5.54E+00	3.04E-01	1.90E-02	5.91E+00	4.58E-02	2.34E-05	3.04E-02	3.72E-03	8.00E-02	5.13E-02	5.54E+00	3.04E-01	1.90E-02	5.91E+00
5265	473863.09	3865877.25	0.59966	0.51644	2.1226	0.33119	4.57E-02	5.51E+00	2.35E-01	1.89E-02	5.81E+00	4.44E-02	2.33E-05	2.35E-02	3.71E-03	7.16E-02	4.98E-02	5.51E+00	2.35E-01	1.89E-02	5.81E+00
5266	474363.09	3865877.25	0.67884	0.5224	1.5148	0.32538	5.17E-02	5.57E+00	1.67E-01	1.86E-02	5.81E+00	5.03E-02	2.35E-05	1.67E-02	3.64E-03	7.07E-02	5.64E-02	5.57E+00	1.67E-01	1.86E-02	5.82E+00
5267	474863.09	3865877.25	0.74137	0.55794	1.5329	0.34144	5.65E-02	5.95E+00	1.69E-01	1.95E-02	6.20E+00	5.49E-02	2.52E-05	1.69E-02	3.82E-03	7.57E-02	6.15E-02	5.95E+00	1.69E-01	1.95E-02	6.20E+00
5268	475363.09	3865877.25	0.74952	0.58283	1.4625	0.39003	5.71E-02	6.22E+00	1.62E-01	2.23E-02	6.46E+00	5.55E-02	2.63E-05	1.62E-02	4.37E-03	7.61E-02	6.22E-02	6.22E+00	1.62E-01	2.23E-02	6.47E+00
5269	475863.09	3865877.25	0.74028	0.62656	1.6388	0.43539	5.64E-02	6.69E+00	1.81E-01	2.49E-02	6.95E+00	5.48E-02	2.82E-05	1.81E-02	4.87E-03	7.78E-02	6.15E-02	6.69E+00	1.81E-01	2.49E-02	6.95E+00
5270	476363.09	3865877.25	0.78368	0.67342	1.8915	0.43915	5.97E-02	7.19E+00	2.09E-01	2.51E-02	7.48E+00	5.80E-02	3.04E-05	2.09E-02	4.92E-03	8.39E-02	6.51E-02	7.19E+00	2.09E-01	2.51E-02	7.49E+00
5271	476863.09	3865877.25	0.79579	0.56864	2.1667	0.45498	6.07E-02	6.07E+00	2.40E-01	2.60E-02	6.39E+00	5.89E-02	2.56E-05	2.40E-02	5.09E-03	8.80E-02	6.61E-02	6.07E+00	2.40E-01	2.60E-02	6.40E+00
5272	477363.09	3865877.25	0.7711	0.57119	1.9871	0.44999	5.88E-02	6.10E+00	2.20E-01	2.57E-02	6.40E+00	5.71E-02	2.57E-05	2.20E-02	5.04E-03	8.41E-02	6.40E-02	6.10E+00	2.20E-01	2.57E-02	6.41E+00
5273	477863.09	3865877.25	0.81928	0.57462	2.7601	0.47644	6.24E-02	6.13E+00	3.05E-01	2.72E-02	6.53E+00	6.07E-02	2.59E-05	3.05E-02	5.33E-03	9.65E-02	6.80E-02	6.13E+00	3.05E-01	2.72E-02	6.53E+00
5274	478363.09	3865877.25	0.90158	0.64	3.1418	0.48337	6.87E-02	6.83E+00	3.47E-01	2.76E-02	7.27E+00	6.67E-02	2.89E-05	3.47E-02	5.41E-03	1.07E-01	7.49E-02	6.83E+00	3.47E-01	2.76E-02	7.28E+00
5275	478863.09	3865877.25	0.91065	0.76822	2.7013	0.47586	6.94E-02	8.20E+00	2.99E-01	2.72E-02	8.59E+00	6.74E-02	3.46E-05	2.99E-02	5.33E-03	1.03E-01	7.56E-02	8.20E+00	2.99E-01	2.72E-02	8.60E+00
5276	479363.09	3865877.25	0.76765	0.89063	1.9429	0.45212	5.85E-02	9.50E+00	2.15E-01	2.59E-02	9.80E+00	5.68E-02	4.01E-05	2.15E-02	5.06E-03	8.34E-02	6.37E-02	9.50E+00	2.15E-01	2.59E-02	9.81E+00
5277	479863.09	3865877.25	0.79594	0.98331	1.7255	0.44055	6.07E-02	1.05E+01	1.91E-01	2.52E-02	1.08E+01	5.89E-02	4.43E-05	1.91E-02	4.93E-03	8.30E-02	6.61E-02	1.05E+01	1.91E-01	2.52E-02	1.08E+01
5278	480363.09	3865877.25	0.96437	0.99118	1.5965	0.49271	7.35E-02	1.06E+01	1.77E-01	2.82E-02	1.09E+01	7.14E-02	4.47E-05	1.77E-02	5.52E-03	9.46E-02	8.01E-02	1.06E+01	1.77E-01	2.82E-02	1.09E+01
5279	480863.09	3865877.25	1.13591	0.91233	1.6992	0.54782	8.66E-02	9.74E+00	1.88E-01	3.13E-02	1.00E+01	8.41E-02	4.11E-05	1.88E-02	6.13E-03	1.09E-01	9.43E-02	9.74E+00	1.88E-01	3.13E-02	1.00E+01
5280	481363.09	3865877.25	1.20615	0.8554	1.8382	0.57113	9.19E-02	9.13E+00	2.03E-01	3.27E-02	9.46E+00	8.93E-02	3.86E-05	2.03E-02	6.39E-03	1.16E-01	1.00E-01	9.13E+00	2.03E-01	3.27E-02	9.46E+00
5281	481863.09	3865877.25	1.10759	0.7872	1.8049	0.55396	8.44E-02	8.40E+00	2.00E-01	3.17E-02	8.72E+00	8.20E-02	3.55E-05	2.00E-02	6.20E-03	1.08E-01	9.20E-02	8.40E+00	2.00E-01	3.17E-02	8.72E+00
5282	482363.09	3865877.25	1.09207	0.77201	1.6136	0.53817	8.32E-02	8.24E+00	1.78E-01	3.08E-02	8.53E+00	8.08E-02	3.48E-05	1.78E-02	6.02E-03	1.05E-01	9.07E-02	8.24E+00	1.78E-01	3.08E-02	8.54E+00
5283	482863.09	3865877.25	1.06789	0.83622	1.9571	0.56532	8.14E-02	8.92E+00	2.16E-01	3.23E-02	9.25E+00	7.91E-02	3.77E-05	2.16E-02	6.33E-03	1.07E-01	8.87E-02	8.92E+00	2.16E-01	3.23E-02	9.26E+00
5284	483363.09	3865877.25	0.91	0.76556	3.3229	0.58565	6.94E-02	8.17E+00	3.67E-01	3.35E-02	8.64E+00	6.74E-02	3.45E-05	3.67E-02	6.56E-03	1.11E-01	7.55E-02	8.17E+00	3.67E-01	3.35E-02	8.65E+00
5285	483863.09	3865877.25	1.22858	0.75709	3.1919	0.52097	9.36E-02	8.08E+00	3.53E-01	2.98E-02	8.56E+00	9.10E-02	3.41E-05	3.53E-02	5.83E-03	1.32E-01	1.02E-01	8.08E+00	3.53E-01	2.98E-02	8.56E+00
5286	484363.09	3865877.25	1.23516	0.96698	3.3884	0.42384	9.41E-02	1.03E+01	3.75E-01	2.42E-02	1.08E+01	9.14E-02	4.36E-05	3.75E-02	4.74E-03	1.34E-01	1.03E-01	1.03E+01	3.75E-01	2.42E-02	1.08E+01
5287	484863.09	3865877.25	1.14246	1.01084	2.3004	0.59762	8.71E-02	1.08E+01	2.54E-01	3.42E-02	1.12E+01	8.46E-02	4.56E-05	2.54E-02	6.69E-03	1.17E-01	9.48E-02	1.08E+01	2.54E-01	3.42E-02	1.12E+01
5288	485363.09	3865877.25	1.02623	0.96327	2.6222	0.46243	7.82E-02	1.03E+01	2.90E-01	2.64E-02	1.07E+01	7.60E-02	4.34E-05	2.90E-02	5.18E-03	1.10E-01	8.52E-02	1.03E+01	2.90E-01	2.64E-02	1.07E+01
5289	485863.09	3865877.25	0.85577	1.05347	2.0576	0.36742	6.52E-02	1.12E+01	2.27E-01	2.10E-02	1.16E+01	6.34E-02	4.75E-05	2.27E-02	4.11E-03	9.03E-02	7.10E-02	1.12E+01	2.27E-01	2.10E-02	1.16E+01
5290	486363.09	3865877.25	0.79891	0.9318	2.625	0.49791	6.09E-02	9.94E+00	2.90E-01	2.85E-02	1.03E+01	5.91E-02	4.20E-05	2.90E-02	5.57E-03	9.38E-02	6.63E-02	9.94E+00	2.90E-01	2.85E-02	1.03E+01
5291	486863.09	3865877.25	1.0607	0.94369	3.6571	0.65819	8.08E-02	1.01E+01	4.04E-01	3.76E-02	1.06E+01	7.85E-02	4.25E-05	4.04E-02	7.37E-03	1.26E-01	8.81E-02	1.01E+01	4.04E-01	3.76E-02	1.06E+01
5292	487363.09	3865877.25	1.25801	1.07773	3.7025	0.7794	9.59E-02	1.15E+01	4.09E-01	4.46E-02	1.21E+01	9.31E-02	4.86E-05	4.09E-02	8.72E-03	1.43E-01	1.04E-01	1.15E+01	4.09E-01	4.46E-02	1.21E+01
5293	487863.09	3865877.25	1.22916	1.10251	2.7086	0.69432	9.37E-02	1.18E+01	2.99E-01	3.97E-02	1.22E+01	9.10E-02	4.97E-05	2.99E-02	7.77E-03	1.29E-01	1.02E-01	1.18E+01	2.99E-01	3.97E-02	1.22E+01
5294	488363.09	3865877.25	0.98304	1.13364	3.2108	0.54296	7.49E-02	1.21E+01	3.55E-01	3.10E-02	1.26E+01	7.28E-02	5.11E-05	3.55E-02	6.08E-03	1.14E-01	8.16E-02	1.21E+01	3.55E-01	3.10E-02	1.26E+01
5295	488863.09	3865877.25	1.1673	1.27828	2.1797	0.44967	8.90E-02	1.36E+01	2.41E-01	2.57E-02	1.40E+01	8.64E-02	5.76E-05	2.41E-02	5.03E-03	1.16E-01	9.69E-02	1.36E+01	2.41E-01	2.57E-02	1.40E+01
5296	489363.09	3865877.25	0.94907	1.40331	1.7951	0.46781	7.23E-02	1.50E+01	1.98E-01	2.68E-02	1.53E+01	7.03E-02	6.33E-05	1.98E-02	5.24E-03	9.54E-02	7.88E-02	1.50E+01	1.98E-01	2.68E-02	1.53E+01
5297	489863.09	3865877.25	1.13921	1.15769	2.5307	0.48112	8.68E-02	1.24E+01	2.80E-01	2.75E-02	1.27E+01	8.43E-02	5.22E-05	2.80E-02	5.39E-03	1.18E-01	9.46E-02	1.24E+01	2.80E-01	2.75E-02	1.28E+01
5298	490363.09	3865877.25	1.15284	1.04662	2.7015	0.56039	8.79E-02	1.12E+01	2.99E-01	3.20E-02	1.16E+01	8.53E-02	4.72E-05	2.99E-02	6.27E-03	1.22E-01	9.57E-02	1.12E+01	2.99E-01	3.20E-02	1.16E+01
5299	490863.09	3865877.25	0.99988	0.98591	1.2138	0.64034	7.62E-02	1.05E+01	1.34E-01	3.66E-02	1.08E+01	7.40E-02	4.44E-05	1.34E-02	7.17E-03	9.47E-02	8.30E-02	1.05E+01	1.34E-01	3.66E-02	1.08E+01
5300	491363.09	3865877.25	1.32167	1.10444	1.4209	0.6894	1.01E-01	1.18E+01	1.57E-01	3.94E-02	1.21E+01	9.78E-02	4.98E-05	1.57E-02	7.72E-03	1.21E-01	1.10E-01	1.18E+01	1.57E-01	3.94E-02	1.21E+01
5301	491863.09	3865877.25	1.86114	0.99276	1.7762	0.71218	1.42E-01	1.06E+01	1.96E-01	4.07E-02	1.10E+01	1.38E-01	4.48E-05	1.96E-02	7.97E-03	1.65E-01	1.55E-01	1.06E+01	1.96E-01	4.07E-02	1.10E+01
5302	492363.09	3865877.25	1.5038	0.88661	2.2273	1.55595	1.15E-01	9.46E+00	2.46E-01	8.90E-02	9.91E+00	1.11E-01	4.00E-05	2.46E-02	1.74E-02	1.53E-01	1.25E-01	9.46E+00	2.46E-01	8.90E-02	9.92E+00
5303	492863.09	3865877.25	1.17996	0.49394	2.2217	1.765	8.99E-02	5.27E+00	2.46E-01	1.01E-01	5.71E+00	8.74E-02	2.23E-05	2.46E-02	1.98E-02	1.32E-01	9.80E-02	5.27E+00	2.46E-01	1.01E-01	5.72E+00

5304	493363.09	3865877.25	1.32741	0.47626	2.876	2.0654	1.01E-01	5.08E+00	3.18E-01	1.18E-01	5.62E+00	9.83E-02	2.15E-05	3.18E-02	2.31E-02	1.53E-01	1.10E-01	5.08E+00	3.18E-01	1.18E-01	5.63E+00
5305	493863.09	3865877.25	1.81964	1.00847	5.6142	0.90802	1.39E-01	1.08E+01	6.21E-01	5.19E-02	1.16E+01	1.35E-01	4.55E-05	6.21E-02	1.02E-02	2.07E-01	1.51E-01	1.08E+01	6.21E-01	5.19E-02	1.16E+01
5306	494363.09	3865877.25	1.66665	1.40225	5.689	1.15828	1.27E-01	1.50E+01	6.29E-01	6.62E-02	1.58E+01	1.23E-01	6.32E-05	6.29E-02	1.30E-02	1.99E-01	1.38E-01	1.50E+01	6.29E-01	6.62E-02	1.58E+01
5307	494863.09	3865877.25	1.0803	1.48665	3.8748	1.23403	8.23E-02	1.59E+01	4.28E-01	7.06E-02	1.64E+01	8.00E-02	6.70E-05	4.28E-02	1.38E-02	1.37E-01	8.97E-02	1.59E+01	4.28E-01	7.06E-02	1.65E+01
5308	495363.09	3865877.25	1.30034	1.45617	2.8189	1.35131	9.91E-02	1.55E+01	3.12E-01	7.73E-02	1.60E+01	9.63E-02	6.56E-05	3.12E-02	1.51E-02	1.43E-01	1.08E-01	1.55E+01	3.12E-01	7.73E-02	1.60E+01
5309	495863.09	3865877.25	1.51838	1.25142	2.1603	0.98178	1.16E-01	1.34E+01	2.39E-01	5.61E-02	1.38E+01	1.12E-01	5.64E-05	2.39E-02	1.10E-02	1.47E-01	1.26E-01	1.34E+01	2.39E-01	5.61E-02	1.38E+01
5310	496363.09	3865877.25	1.42565	1.07703	2.3667	0.68591	1.09E-01	1.15E+01	2.62E-01	3.92E-02	1.19E+01	1.06E-01	4.86E-05	2.62E-02	7.68E-03	1.39E-01	1.18E-01	1.15E+01	2.62E-01	3.92E-02	1.19E+01
5311	496863.09	3865877.25	1.48363	0.92335	3.5897	0.96065	1.13E-01	9.85E+00	3.97E-01	5.49E-02	1.04E+01	1.10E-01	4.16E-05	3.97E-02	1.08E-02	1.60E-01	1.23E-01	9.85E+00	3.97E-01	5.49E-02	1.04E+01
5312	497363.09	3865877.25	1.38322	0.85193	3.5202	1.01445	1.05E-01	9.09E+00	3.89E-01	5.80E-02	9.64E+00	1.02E-01	3.84E-05	3.89E-02	1.14E-02	1.53E-01	1.15E-01	9.09E+00	3.89E-01	5.80E-02	9.65E+00
5313	497863.09	3865877.25	1.01429	0.87872	2.268	0.96551	7.73E-02	9.38E+00	2.51E-01	5.52E-02	9.76E+00	7.51E-02	3.96E-05	2.51E-02	1.08E-02	1.11E-01	8.42E-02	9.38E+00	2.51E-01	5.52E-02	9.77E+00
5314	498363.09	3865877.25	0.86338	0.82211	1.7112	1.07994	6.58E-02	8.77E+00	1.89E-01	6.18E-02	9.09E+00	6.39E-02	3.71E-05	1.89E-02	1.21E-02	9.50E-02	7.17E-02	8.77E+00	1.89E-01	6.18E-02	9.10E+00
5315	471363.09	3866377.25	0.55101	0.48605	3.1092	0.37865	4.20E-02	5.19E+00	3.44E-01	2.17E-02	5.59E+00	4.08E-02	2.19E-05	3.44E-02	4.24E-03	7.94E-02	4.57E-02	5.19E+00	3.44E-01	2.17E-02	5.60E+00
5316	471863.09	3866377.25	0.5761	0.49196	3.2909	0.39791	4.39E-02	5.25E+00	3.64E-01	2.28E-02	5.68E+00	4.27E-02	2.22E-05	3.64E-02	4.45E-03	8.35E-02	4.78E-02	5.25E+00	3.64E-01	2.28E-02	5.68E+00
5317	472363.09	3866377.25	0.58966	0.49302	2.9584	0.36871	4.49E-02	5.26E+00	3.27E-01	2.11E-02	5.65E+00	4.37E-02	2.22E-05	3.27E-02	4.13E-03	8.05E-02	4.90E-02	5.26E+00	3.27E-01	2.11E-02	5.66E+00
5318	472863.09	3866377.25	0.58804	0.48384	2.1397	0.31507	4.48E-02	5.16E+00	2.37E-01	1.80E-02	5.46E+00	4.35E-02	2.18E-05	2.37E-02	3.53E-03	7.07E-02	4.88E-02	5.16E+00	2.37E-01	1.80E-02	5.47E+00
5319	473363.09	3866377.25	0.57249	0.47079	1.467	0.3325	4.36E-02	5.02E+00	1.62E-01	1.90E-02	5.25E+00	4.24E-02	2.12E-05	1.62E-02	3.72E-03	6.23E-02	4.75E-02	5.02E+00	1.62E-01	1.90E-02	5.25E+00
5320	473863.09	3866377.25	0.64451	0.51035	1.4493	0.36304	4.91E-02	5.45E+00	1.60E-01	2.08E-02	5.68E+00	4.77E-02	2.30E-05	1.60E-02	4.06E-03	6.78E-02	5.35E-02	5.45E+00	1.60E-01	2.08E-02	5.68E+00
5321	474363.09	3866377.25	0.69378	0.54197	1.4088	0.39703	5.29E-02	5.78E+00	1.56E-01	2.27E-02	6.02E+00	5.14E-02	2.44E-05	1.56E-02	4.44E-03	7.14E-02	5.76E-02	5.78E+00	1.56E-01	2.27E-02	6.02E+00
5322	474863.09	3866377.25	0.69771	0.56047	1.4335	0.44187	5.32E-02	5.98E+00	1.58E-01	2.53E-02	6.22E+00	5.17E-02	2.53E-05	1.58E-02	4.95E-03	7.25E-02	5.79E-02	5.98E+00	1.58E-01	2.53E-02	6.22E+00
5323	475363.09	3866377.25	0.67566	0.57411	1.6577	0.46003	5.15E-02	6.13E+00	1.83E-01	2.63E-02	6.39E+00	5.00E-02	2.59E-05	1.83E-02	5.15E-03	7.35E-02	5.61E-02	6.13E+00	1.83E-01	2.63E-02	6.39E+00
5324	475863.09	3866377.25	0.71174	0.5802	1.8119	0.43699	5.42E-02	6.19E+00	2.00E-01	2.50E-02	6.47E+00	5.27E-02	2.62E-05	2.00E-02	4.89E-03	7.76E-02	5.91E-02	6.19E+00	2.00E-01	2.50E-02	6.48E+00
5325	476363.09	3866377.25	0.73767	0.5712	1.9272	0.44678	5.62E-02	6.10E+00	2.13E-01	2.55E-02	6.39E+00	5.46E-02	2.57E-05	2.13E-02	5.00E-03	8.09E-02	6.12E-02	6.10E+00	2.13E-01	2.55E-02	6.40E+00
5326	476863.09	3866377.25	0.75689	0.49534	2.3917	0.44223	5.77E-02	5.29E+00	2.64E-01	2.53E-02	5.63E+00	5.60E-02	2.23E-05	2.64E-02	4.95E-03	8.75E-02	6.28E-02	5.29E+00	2.64E-01	2.53E-02	5.64E+00
5327	477363.09	3866377.25	0.783	0.55918	2.9979	0.45695	5.97E-02	5.97E+00	3.31E-01	2.61E-02	6.38E+00	5.80E-02	2.52E-05	3.31E-02	5.12E-03	9.63E-02	6.50E-02	5.97E+00	3.31E-01	2.61E-02	6.39E+00
5328	477863.09	3866377.25	0.84404	0.56913	3.2135	0.46649	6.43E-02	6.07E+00	3.55E-01	2.67E-02	6.52E+00	6.25E-02	2.57E-05	3.55E-02	5.22E-03	1.03E-01	7.01E-02	6.07E+00	3.55E-01	2.67E-02	6.53E+00
5329	478363.09	3866377.25	0.86841	0.70011	2.4723	0.44738	6.62E-02	7.47E+00	2.73E-01	2.56E-02	7.84E+00	6.43E-02	3.16E-05	2.73E-02	5.01E-03	9.67E-02	7.21E-02	7.47E+00	2.73E-01	2.56E-02	7.84E+00
5330	478863.09	3866377.25	0.7654	0.83281	1.8403	0.41379	5.83E-02	8.89E+00	2.03E-01	2.37E-02	9.17E+00	5.67E-02	3.75E-05	2.03E-02	4.63E-03	8.17E-02	6.35E-02	8.89E+00	2.03E-01	2.37E-02	9.18E+00
5331	479363.09	3866377.25	0.68834	0.9347	1.6311	0.44862	5.25E-02	9.97E+00	1.80E-01	2.57E-02	1.02E+01	5.10E-02	4.21E-05	1.80E-02	5.02E-03	7.41E-02	5.71E-02	9.97E+00	1.80E-01	2.57E-02	1.02E+01
5332	479863.09	3866377.25	0.84505	0.96345	1.5253	0.50246	6.44E-02	1.03E+01	1.69E-01	2.87E-02	1.05E+01	6.26E-02	4.34E-05	1.69E-02	5.62E-03	8.51E-02	7.02E-02	1.03E+01	1.69E-01	2.87E-02	1.05E+01
5333	480363.09	3866377.25	1.01171	0.8985	1.628	0.54921	7.71E-02	9.59E+00	1.80E-01	3.14E-02	9.88E+00	7.49E-02	4.05E-05	1.80E-02	6.15E-03	9.91E-02	8.40E-02	9.59E+00	1.80E-01	3.14E-02	9.88E+00
5334	480863.09	3866377.25	1.14034	0.79768	1.7428	0.55985	8.69E-02	8.51E+00	1.93E-01	3.20E-02	8.82E+00	8.44E-02	3.60E-05	1.93E-02	6.27E-03	1.10E-01	9.47E-02	8.51E+00	1.93E-01	3.20E-02	8.83E+00
5335	481363.09	3866377.25	1.13291	0.74152	1.737	0.53553	8.64E-02	7.91E+00	1.92E-01	3.06E-02	8.22E+00	8.39E-02	3.34E-05	1.92E-02	5.99E-03	1.09E-01	9.41E-02	7.91E+00	1.92E-01	3.06E-02	8.23E+00
5336	481863.09	3866377.25	1.02283	0.71883	1.6563	0.51249	7.80E-02	7.67E+00	1.83E-01	2.93E-02	7.96E+00	7.57E-02	3.24E-05	1.83E-02	5.74E-03	9.98E-02	8.49E-02	7.67E+00	1.83E-01	2.93E-02	7.97E+00
5337	482363.09	3866377.25	1.05115	0.76804	1.7567	0.53223	8.01E-02	8.20E+00	1.94E-01	3.04E-02	8.50E+00	7.78E-02	3.46E-05	1.94E-02	5.96E-03	1.03E-01	8.73E-02	8.20E+00	1.94E-01	3.04E-02	8.51E+00
5338	482863.09	3866377.25	0.97251	0.75524	2.746	0.55915	7.41E-02	8.06E+00	3.04E-01	3.20E-02	8.47E+00	7.20E-02	3.40E-05	3.04E-02	6.26E-03	1.09E-01	8.07E-02	8.06E+00	3.04E-01	3.20E-02	8.48E+00
5339	483363.09	3866377.25	0.91937	0.63608	3.2943	0.51819	7.01E-02	6.79E+00	3.64E-01	2.96E-02	7.25E+00	6.81E-02	2.87E-05	3.64E-02	5.80E-03	1.10E-01	7.63E-02	6.79E+00	3.64E-01	2.96E-02	7.26E+00
5340	483863.09	3866377.25	1.20894	0.83036	2.7321	0.40882	9.21E-02	8.86E+00	3.02E-01	2.34E-02	9.28E+00	8.95E-02	3.74E-05	3.02E-02	4.58E-03	1.24E-01	1.00E-01	8.86E+00	3.02E-01	2.34E-02	9.29E+00
5341	484363.09	3866377.25	1.19593	0.90354	3.153	0.53394	9.12E-02	9.64E+00	3.49E-01	3.05E-02	1.01E+01	8.85E-02	4.07E-05	3.49E-02	5.98E-03	1.29E-01	9.93E-02	9.64E+00	3.49E-01	3.05E-02	1.01E+01
5342	484863.09	3866377.25	1.12158	0.93191	1.5626	0.51398	8.55E-02	9.95E+00	1.73E-01	2.94E-02	1.02E+01	8.30E-02	4.20E-05	1.73E-02	5.75E-03	1.06E-01	9.31E-02	9.95E+00	1.73E-01	2.94E-02	1.02E+01
5343	485363.09	3866377.25	0.98077	0.81796	2.9269	0.48786	7.48E-02	8.73E+00	3.24E-01	2.79E-02	9.16E+00	7.26E-02	3.69E-05	3.24E-02	5.46E-03	1.10E-01	8.14E-02	8.73E+00	3.24E-01	2.79E-02	9.16E+00
5344	485863.09	3866377.25	0.79251	1.02403	1.5611	0.38082	6.04E-02	1.09E+01	1.73E-01	2.18E-02	1.12E+01	5.87E-02	4.62E-05	1.73E-02	4.26E-03	8.02E-02	6.58E-02	1.09E+01	1.73E-01	2.18E-02	1.12E+01
5345	486363.09	3866377.25	0.72513	0.8886	2.7125	0.51615	5.53E-02	9.48E+00	3.00E-01	2.95E-02	9.87E+00	5.37E-02	4.01E-05	3.00E-02	5.78E-03	8.95E-02	6.02E-02	9.48E+00	3.00E-01	2.95E-02	9.87E+00
5346	486863.09	3866377.25	0.99501	0.82793	3.563	0.67081	7.58E-02	8.84E+00	3.94E-01	3.84E-02	9.34E+00	7.37E-02	3.73E-05	3.94E-02	7.51E-03	1.21E-01	8.26E-02	8.84E+00	3.94E-01	3.84E-02	9.35E+00
5347	487363.09	3866377.25	1.21599	1.13195	3.5825	0.78215	9.27E-02	1.21E+01	3.96E-01	4.47E-02	1.26E+01	9.00E-02	5.10E-05	3.96E-02	8.76E-03	1.38E-01	1.01E-01	1.21E+01	3.96E-01	4.47E-02	1.26E+01
5348	487863.09	3866377.25	1.24865	0.99602	2.8355	0.6595	9.52E-02	1.06E+01	3.13E-01	3.77E-02	1.11E+01	9.24E-02	4.49E-05	3.13E-02	7.38E-03	1.31E-01	1.04E-01	1.06E+01	3.13E-01	3.77E-02	1.11E+01
5349	488363.09	3866377.25	0.92339	1.10429	3.7047	0.62581	7.04E-02	1.18E+01	4.10E-01	3.58E-02	1.23E+01	6.84E-02	4.98E-05	4.10E-02	7.01E-03	1.16E-01	7.67E-02	1.18E+01	4.10E-01	3.58E-02	1.23E+01
5350	488863.09	3866377.25	1.14265	1.14399	2.572	0.46511	8.71E-02	1.22E+01	2.84E-01	2.66E-02	1.26E+01	8.46E-02	5.16E-05	2.84E-02	5.21E-03	1.18E-01	9.49E-02	1.22E+01	2.84E-01	2.66E-02	1.26E+01
5351	489363.09	3866377.25	1.05763	1.28084	1.6283	0.40094	8.06E-02	1.37E+01	1.80E-01	2.29E-02	1.40E+01	7.83E-02	5.77E-05	1.80E-02	4.49E-03	1.01E-01	8.78E-02	1.37E+01	1.80E-01	2.29E-02	1.40E+01
5352	489863.09	3866377.25	0.99746	0.95755	2.9339	0.79751	7.60E-02	1.02E+01	3.24E-01	4.56E-02	1.07E+01	7.38E-02	4.32E-05	3.24E-02	8.93E-03	1.15E-01	8.28E-02	1.02E+01	3.24E-01	4.56E-02	1.07E+01
5353	490363.09	3866377.25	1.1429	0.91016	3.3647	0.51203	8.71E-02	9.71E+00	3.72E-01	2.93E-02	1.02E+01	8.46E-02	4.10E-05	3.72E-02	5.73E-03	1.28E-01	9.49E-02	9.71E+00	3.72E-01	2.93E-02	1.02E+01
5354	490863.09	3866377.25	0.90801	0.96178	1.4049	0.59112	6.92E-02	1.03E+01	1.55E-01	3.38E-02	1.05E+01	6.72E-02	4.34E-05	1.55E-02	6.62E-03	8.94E-02	7.54E-02	1.03E+01	1.55E-01	3.38E-02	1.05E+01
5355	491363.09	3866377.25	1.06515	1.07643	1.1489	0.65802	8.12E-02	1.15E+01	1.27E-01	3.76E-02	1.17E+01	7.89E-02	4.85E-05	1.27E-02	7.37E-03	9.90E-02	8.84E-02	1.15E+01	1.27E-01	3.76E-02	1.17E+01
5356	491863.09	3866377.25	1.59618	0.90196	1.3887	0.79002	1.22E-01	9.63E+00	1.54E-01	4.52E-02	9.95E+00	1.18E-01	4.07E-05	1.54E-02	8.84E-03	1.42E-01	1.33E-01	9.63E+00	1.54E-01	4.52E-02	9.96E+00
5357	492363.09	3866377.25	1.86478	0.81882	1.9392	1.08457	1.42E-01	8.74E+00	2.14E-01	6.20E-02	9.16E+00	1.38E-01	3.69E-05	2.14E-02	1.21E-02	1.72E-01	1.55E-01	8.74E+00	2.14E-01	6.20E-02	9.17E+00
5358	492863.09	3866377.25	1.08156	0.69739	2.1661	2.26884	8.24E-02	7.44E+00	2.39E-01	1.30E-01	7.89E+00	8.01E-02	3.14E-05	2.39E-02	2.54E-02	1.29E-01	8.98E-02	7.44E+00	2.39E-01	1.30E-01	7.90E+00
5359	493363.09	3866377.25	1.21103	0.80388	2.5423	2.37417	9.23E-02	8.58E+00	2.81E-01	1.36E-01	9.09E+00	8.97E-02	3.62E-05	2.81E-02	2.66E-02	1.44E-01	1.01E-01	8.58E+00	2.81E-01	1.36E-01	9.10E+00
5360	493863.09	3866377.25	1.28107	0.87513	2.9424	1.67246	9.76E-02	9.34E+00	3.25E-01	9.56E-02	9.86E+00	9.48E-02	3.94E-05	3.25E-02	1.87E-02	1.46E-01	1.06E-01	9.34E+00	3.25E-01	9.56E-02	9.87E+00
5361	494363.09	3866377.25	1.5753	1.64128	2.4562	0.75993	1.20E-01	1.75E+01	2.72E-01	4.35E-02	1.80E+01	1.17E-01	7.40E-05	2.72E-02	8.51E-03	1.52E-01	1.31E-01	1.75E+01	2.72E-01	4.35E-02	1.80E+01
5362	494863.09	3866377.25	1.36887	1.62877	2.7931	0.86617	1.04E-01	1.74E+01	3.09E-01	4.95E-02	1.78E+01	1.01E-01	7.34E-05	3.09E-02	9.70E-03	1.42E-01	1.14E-01	1.74E+01	3.09E-01	4.95E-02	1.79E+01
5363	495363.09	3866377.25	1.21095	1.28113	4.0825	1.20477	9.23E-02	1.37E+01	4.51E-01	6.89E-02	1.43E+01	8.97E-02	5.78E-05	4.51E-02	1.35E-02	1.48E-01	1.01E-01	1.37E+01	4.51E-01	6.89E-02	1.43E+01
5364	495863.09	3866377.25	1.41936	1.33013	2.7172	1.43885	1.08E-01	1.42E+01	3.00E-01	8.23E-02	1.47E+01	1.05E-01	6.00E-05	3.00E-02	1.61E-02	1.51E-01	1.18E-01	1.42E+01	3.00E-01	8.23E-02	1.47E+01

5365	496363.09	3866377.25	1.84973	0.98552	2.0503	1.09416	1.41E-01	1.05E+01	2.27E-01	6.26E-02	1.09E+01	1.37E-01	4.44E-05	2.27E-02	1.22E-02	1.72E-01	1.54E-01	1.05E+01	2.27E-01	6.26E-02	1.10E+01
5366	496863.09	3866377.25	1.52711	0.81913	2.7009	0.64953	1.16E-01	8.74E+00	2.99E-01	3.71E-02	9.19E+00	1.13E-01	3.69E-05	2.99E-02	7.27E-03	1.50E-01	1.27E-01	8.74E+00	2.99E-01	3.71E-02	9.20E+00
5367	497363.09	3866377.25	1.44016	0.7721	3.6711	1.17379	1.10E-01	8.24E+00	4.06E-01	6.71E-02	8.82E+00	1.07E-01	3.48E-05	4.06E-02	1.31E-02	1.60E-01	1.20E-01	8.24E+00	4.06E-01	6.71E-02	8.83E+00
5368	497863.09	3866377.25	1.52381	0.74663	3.8224	1.49711	1.16E-01	7.97E+00	4.23E-01	8.56E-02	8.59E+00	1.13E-01	3.37E-05	4.23E-02	1.68E-02	1.72E-01	1.27E-01	7.97E+00	4.23E-01	8.56E-02	8.60E+00
5369	498363.09	3866377.25	1.16295	0.55702	2.641	2.00062	8.86E-02	5.94E+00	2.92E-01	1.14E-01	6.44E+00	8.61E-02	2.51E-05	2.92E-02	2.24E-02	1.38E-01	9.65E-02	5.94E+00	2.92E-01	1.14E-01	6.45E+00
5370	474494.92	3848334.16	1.49419	0.88381	1.058	0.72721	1.14E-01	9.43E+00	1.17E-01	4.16E-02	9.70E+00	1.11E-01	3.98E-05	1.17E-02	8.14E-03	1.30E-01	1.24E-01	9.43E+00	1.17E-01	4.16E-02	9.71E+00
5371	475167.27	3848920.79	1.39876	0.94369	1.0613	0.76765	1.07E-01	1.01E+01	1.17E-01	4.39E-02	1.03E+01	1.04E-01	4.25E-05	1.17E-02	8.59E-03	1.24E-01	1.16E-01	1.01E+01	1.17E-01	4.39E-02	1.03E+01
5372	475297.89	3848997.96	1.42485	0.97754	1.0809	0.77389	1.09E-01	1.04E+01	1.20E-01	4.43E-02	1.07E+01	1.05E-01	4.41E-05	1.20E-02	8.66E-03	1.26E-01	1.18E-01	1.04E+01	1.20E-01	4.43E-02	1.07E+01
5373	475439.05	3849062	1.51098	0.97142	1.112	0.77907	1.15E-01	1.04E+01	1.23E-01	4.45E-02	1.06E+01	1.12E-01	4.38E-05	1.23E-02	8.72E-03	1.33E-01	1.25E-01	1.04E+01	1.23E-01	4.45E-02	1.07E+01
5374	475486.86	3849061.09	1.58405	0.97512	1.1346	0.7786	1.21E-01	1.04E+01	1.25E-01	4.45E-02	1.07E+01	1.17E-01	4.40E-05	1.25E-02	8.72E-03	1.39E-01	1.32E-01	1.04E+01	1.25E-01	4.45E-02	1.07E+01
5375	475538.46	3849075.56	1.63486	0.99448	1.1513	0.77907	1.25E-01	1.06E+01	1.27E-01	4.45E-02	1.09E+01	1.21E-01	4.48E-05	1.27E-02	8.72E-03	1.43E-01	1.36E-01	1.06E+01	1.27E-01	4.45E-02	1.09E+01
5376	475751.79	3849137.15	1.78105	1.08462	1.2201	0.77833	1.36E-01	1.16E+01	1.35E-01	4.45E-02	1.19E+01	1.32E-01	4.89E-05	1.35E-02	8.71E-03	1.54E-01	1.48E-01	1.16E+01	1.35E-01	4.45E-02	1.19E+01
5377	476303.62	3849223.38	1.62415	0.88638	1.4273	0.73736	1.24E-01	9.46E+00	1.58E-01	4.22E-02	9.78E+00	1.20E-01	4.00E-05	1.58E-02	8.25E-03	1.44E-01	1.35E-01	9.46E+00	1.58E-01	4.22E-02	9.79E+00
5378	476304.51	3849238.92	1.62307	0.90581	1.4213	0.74112	1.24E-01	9.67E+00	1.57E-01	4.24E-02	9.99E+00	1.20E-01	4.08E-05	1.57E-02	8.30E-03	1.44E-01	1.35E-01	9.67E+00	1.57E-01	4.24E-02	1.00E+01
5379	476365.04	3849247.98	1.6237	0.91658	1.4429	0.73397	1.24E-01	9.78E+00	1.60E-01	4.20E-02	1.01E+01	1.20E-01	4.13E-05	1.60E-02	8.22E-03	1.44E-01	1.35E-01	9.78E+00	1.60E-01	4.20E-02	1.01E+01
5380	476444.86	3849267.13	1.62054	0.91374	1.4677	0.72576	1.24E-01	9.75E+00	1.62E-01	4.15E-02	1.01E+01	1.20E-01	4.12E-05	1.62E-02	8.12E-03	1.44E-01	1.35E-01	9.75E+00	1.62E-01	4.15E-02	1.01E+01
5381	476550.75	3849300.66	1.62878	0.96747	1.4971	0.71607	1.24E-01	1.03E+01	1.66E-01	4.09E-02	1.07E+01	1.21E-01	4.36E-05	1.66E-02	8.02E-03	1.45E-01	1.35E-01	1.03E+01	1.66E-01	4.09E-02	1.07E+01
5382	476656.71	3849346.88	1.69037	0.98415	1.5215	0.70923	1.29E-01	1.05E+01	1.68E-01	4.06E-02	1.08E+01	1.25E-01	4.44E-05	1.68E-02	7.94E-03	1.50E-01	1.40E-01	1.05E+01	1.68E-01	4.06E-02	1.09E+01
5383	476873.55	3849454.53	1.75297	1.00449	1.5666	0.69743	1.34E-01	1.07E+01	1.73E-01	3.99E-02	1.11E+01	1.30E-01	4.53E-05	1.73E-02	7.81E-03	1.55E-01	1.46E-01	1.07E+01	1.73E-01	3.99E-02	1.11E+01
5384	477700	3849859.7	1.70006	1.48201	1.7304	0.63229	1.30E-01	1.58E+01	1.91E-01	3.62E-02	1.62E+01	1.26E-01	6.68E-05	1.91E-02	7.08E-03	1.52E-01	1.41E-01	1.58E+01	1.91E-01	3.62E-02	1.62E+01
5385	477743.16	3849856.38	1.76038	1.4859	1.741	0.61898	1.34E-01	1.59E+01	1.92E-01	3.54E-02	1.62E+01	1.30E-01	6.70E-05	1.92E-02	6.93E-03	1.57E-01	1.46E-01	1.59E+01	1.92E-01	3.54E-02	1.62E+01
5386	478477.35	3850216.33	2.15199	1.55774	1.853	0.539	1.64E-01	1.66E+01	2.05E-01	3.08E-02	1.70E+01	1.59E-01	7.02E-05	2.05E-02	6.03E-03	1.86E-01	1.79E-01	1.66E+01	2.05E-01	3.08E-02	1.70E+01
5387	478485.8	3850201.6	2.21798	1.54616	1.852	0.53081	1.69E-01	1.65E+01	2.05E-01	3.04E-02	1.69E+01	1.64E-01	6.97E-05	2.05E-02	5.94E-03	1.91E-01	1.84E-01	1.65E+01	2.05E-01	3.04E-02	1.69E+01
5388	479113.21	3850501.53	2.24897	1.46005	1.9074	0.54033	1.71E-01	1.56E+01	2.11E-01	3.09E-02	1.60E+01	1.66E-01	6.58E-05	2.11E-02	6.05E-03	1.94E-01	1.87E-01	1.56E+01	2.11E-01	3.09E-02	1.60E+01
5389	479108.11	3850382.28	2.17549	1.31069	1.8596	0.62848	1.66E-01	1.40E+01	2.06E-01	3.59E-02	1.44E+01	1.61E-01	5.91E-05	2.06E-02	7.04E-03	1.89E-01	1.81E-01	1.40E+01	2.06E-01	3.59E-02	1.44E+01
5390	479689.85	3850674.28	2.59052	1.03176	1.8452	0.82662	1.97E-01	1.10E+01	2.04E-01	4.73E-02	1.15E+01	1.92E-01	4.65E-05	2.04E-02	9.25E-03	2.21E-01	2.15E-01	1.10E+01	2.04E-01	4.73E-02	1.15E+01
5391	479952.42	3850774.28	2.97732	0.91957	1.7989	0.79184	2.27E-01	9.81E+00	1.99E-01	4.53E-02	1.03E+01	2.20E-01	4.15E-05	1.99E-02	8.86E-03	2.49E-01	2.47E-01	9.81E+00	1.99E-01	4.53E-02	1.03E+01
5392	479911.32	3850884.85	2.42915	1.06778	1.9009	0.72043	1.85E-01	1.14E+01	2.10E-01	4.12E-02	1.18E+01	1.80E-01	4.81E-05	2.10E-02	8.06E-03	2.09E-01	2.02E-01	1.14E+01	2.10E-01	4.12E-02	1.18E+01
5393	480500.92	3851178.12	3.00534	1.19586	1.8412	0.53399	2.29E-01	1.28E+01	2.04E-01	3.05E-02	1.32E+01	2.22E-01	5.39E-05	2.04E-02	5.98E-03	2.49E-01	2.50E-01	1.28E+01	2.04E-01	3.05E-02	1.32E+01
5394	480738.01	3851289.27	3.02034	1.2008	1.7934	0.50562	2.30E-01	1.28E+01	1.98E-01	2.89E-02	1.33E+01	2.24E-01	5.41E-05	1.98E-02	5.66E-03	2.49E-01	2.51E-01	1.28E+01	1.98E-01	2.89E-02	1.33E+01
5395	481055.42	3851443.58	4.05242	1.0636	1.7182	0.48479	3.09E-01	1.14E+01	1.90E-01	2.77E-02	1.19E+01	3.00E-01	4.79E-05	1.90E-02	5.43E-03	3.24E-01	3.36E-01	1.14E+01	1.90E-01	2.77E-02	1.19E+01
5396	481110.22	3851443.15	4.31178	1.08945	1.6719	0.49232	3.29E-01	1.16E+01	1.85E-01	2.82E-02	1.22E+01	3.19E-01	4.91E-05	1.85E-02	5.51E-03	3.43E-01	3.58E-01	1.16E+01	1.85E-01	2.82E-02	1.22E+01
5397	481111.1	3851417.45	4.38743	1.09366	1.6412	0.5037	3.34E-01	1.17E+01	1.81E-01	2.88E-02	1.22E+01	3.25E-01	4.93E-05	1.81E-02	5.64E-03	3.49E-01	3.64E-01	1.17E+01	1.81E-01	2.88E-02	1.22E+01
5398	482248.44	3852605.09	6.41576	1.36964	2.123	0.71705	4.89E-01	1.46E+01	2.35E-01	4.10E-02	1.54E+01	4.75E-01	6.17E-05	2.35E-02	8.03E-03	5.07E-01	5.33E-01	1.46E+01	2.35E-01	4.10E-02	1.54E+01
5399	482273.34	3852632.31	6.47533	1.38195	2.1371	0.72761	4.94E-01	1.47E+01	2.36E-01	4.16E-02	1.55E+01	4.79E-01	6.23E-05	2.36E-02	8.15E-03	5.11E-01	5.38E-01	1.47E+01	2.36E-01	4.16E-02	1.56E+01
5400	482665.46	3853038.72	7.65381	1.40908	2.3426	0.87553	5.83E-01	1.50E+01	2.59E-01	5.01E-02	1.59E+01	5.67E-01	6.35E-05	2.59E-02	9.80E-03	6.02E-01	6.35E-01	1.50E+01	2.59E-01	5.01E-02	1.60E+01
5401	483077.95	3853844.31	7.51337	1.47125	3.0375	1.11685	5.73E-01	1.57E+01	3.36E-01	6.39E-02	1.67E+01	5.56E-01	6.63E-05	3.36E-02	1.25E-02	6.02E-01	6.24E-01	1.57E+01	3.36E-01	6.39E-02	1.67E+01
5402	483121.38	3853909.38	7.76667	1.41695	3.074	1.18625	5.92E-01	1.51E+01	3.40E-01	6.78E-02	1.61E+01	5.75E-01	6.39E-05	3.40E-02	1.33E-02	6.22E-01	6.45E-01	1.51E+01	3.40E-01	6.78E-02	1.62E+01
5403	483492.64	3853911.49	12.33	1.33514	2.8916	0.90961	9.40E-01	1.42E+01	3.20E-01	5.20E-02	1.56E+01	9.13E-01	6.02E-05	3.20E-02	1.02E-02	9.55E-01	1.02E+00	1.42E+01	3.20E-01	5.20E-02	1.56E+01
5404	483498.29	3854204.73	9.69548	1.36702	3.2449	1.15917	7.39E-01	1.46E+01	3.59E-01	6.63E-02	1.58E+01	7.18E-01	6.16E-05	3.59E-02	1.30E-02	7.67E-01	8.05E-01	1.46E+01	3.59E-01	6.63E-02	1.58E+01
5405	484132.44	3854662.55	11.6136	0.86258	3.5352	1.84195	8.85E-01	9.21E+00	3.91E-01	1.05E-01	1.06E+01	8.60E-01	3.89E-05	3.91E-02	2.06E-02	9.20E-01	9.64E-01	9.21E+00	3.91E-01	1.05E-01	1.07E+01
5406	484627.62	3854876.13	19.0862	0.80688	3.4759	1.55047	1.45E+00	8.61E+00	3.84E-01	8.87E-02	1.05E+01	1.41E+00	3.64E-05	3.84E-02	1.74E-02	1.47E+00	1.58E+00	8.61E+00	3.84E-01	8.87E-02	1.07E+01
5407	484756.14	3854949.04	18.5718	0.81538	3.4612	1.23911	1.42E+00	8.70E+00	3.83E-01	7.09E-02	1.06E+01	1.37E+00	3.68E-05	3.83E-02	1.39E-02	1.43E+00	1.54E+00	8.70E+00	3.83E-01	7.09E-02	1.07E+01
5408	486697.51	3856599.17	35.438	1.77805	5.2259	2.67511	2.70E+00	1.90E+01	5.78E-01	1.53E-01	2.24E+01	2.62E+00	8.02E-05	5.78E-02	2.99E-02	2.71E+00	2.94E+00	1.90E+01	5.78E-01	1.53E-01	2.26E+01
5409	487105.31	3856962.27	44.1476	2.20391	5.7766	1.965	3.36E+00	2.35E+01	6.39E-01	1.12E-01	2.76E+01	3.27E+00	9.93E-05	6.39E-02	2.20E-02	3.35E+00	3.67E+00	2.35E+01	6.39E-01	1.12E-01	2.79E+01
5410	487157.57	3856901.7	36.5779	2.18607	4.343	1.76601	2.79E+00	2.33E+01	4.80E-01	1.01E-01	2.67E+01	2.71E+00	9.85E-05	4.80E-02	1.98E-02	2.78E+00	3.04E+00	2.33E+01	4.80E-01	1.01E-01	2.69E+01
5411	487173.5	3856853.74	33.3095	2.15735	3.5659	1.89102	2.54E+00	2.30E+01	3.94E-01	1.08E-01	2.61E+01	2.47E+00	9.73E-05	3.94E-02	2.12E-02	2.53E+00	2.77E+00	2.30E+01	3.94E-01	1.08E-01	2.63E+01
5412	487564.41	3856860.83	21.9395	2.22314	9.0039	1.52053	1.67E+00	2.37E+01	9.95E-01	8.69E-02	2.65E+01	1.62E+00	1.00E-04	9.95E-02	1.70E-02	1.74E+00	1.82E+00	2.37E+01	9.95E-01	8.69E-02	2.66E+01
5413	487563.31	3856931.58	20.45	2.29611	8.8184	1.39093	1.56E+00	2.45E+01	9.75E-01	7.95E-02	2.71E+01	1.51E+00	1.04E-04	9.75E-02	1.56E-02	1.63E+00	1.70E+00	2.45E+01	9.75E-01	7.95E-02	2.73E+01
5414	487782.7	3856926.85	16.3346	2.34305	10.017	1.22655	1.25E+00	2.50E+01	1.11E+00	7.01E-02	2.74E+01	1.21E+00	1.06E-04	1.11E-01	1.37E-02	1.33E+00	1.36E+00	2.50E+01	1.11E+00	7.01E-02	2.75E+01
5415	487782.39	3856757.07	18.206	2.15906	8.8866	1.34514	1.39E+00	2.30E+01	9.83E-01	7.69E-02	2.55E+01	1.35E+00	9.73E-05	9.83E-02	1.51E-02	1.46E+00	1.51E+00	2.30E+01	9.83E-01	7.69E-02	2.56E+01
5416	487917.26	3856752.41	16.0582	2.21557	6.7333	1.20851	1.22E+00	2.36E+01	7.44E-01	6.91E-02	2.57E+01	1.19E+00	9.99E-05	7.44E-02	1.35E-02	1.28E+00	1.33E+00	2.36E+01	7.44E-01	6.91E-02	2.58E+01
5417	487919.57	3856953.35	14.7549	2.41063	8.0458	1.07085	1.12E+00	2.57E+01	8.90E-01	6.12E-02	2.78E+01	1.09E+00	1.09E-04	8.90E-02	1.20E-02	1.19E+00	1.22E+00	2.57E+01	8.90E-01	6.12E-02	2.79E+01
5418	487932.76	3857000.32	14.4402	2.4414	8.0721	0.99024	1.10E+00	2.61E+01	8.92E-01	5.66E-02	2.81E+01	1.07E+00	1.10E-04	8.92E-02	1.11E-02	1.17E+00	1.20E+00	2.61E+01	8.92E-01	5.66E-02	2.82E+01
5419	487960.5	3857044.75	13.7955	2.49813	7.682	0.88672	1.05E+00	2.67E+01	8.49E-01	5.07E-02	2.86E+01	1.02E+00	1.13E-04	8.49E-02	9.93E-03	1.12E+00	1.15E+00	2.67E+01	8.49E-01	5.07E-02	2.87E+01
5420	488016.54	3857089.54	12.7191	2.55863	6.39	0.8161	9.69E-01	2.73E+01	7.06E-01	4.67E-02	2.90E+01	9.42E-01	1.15E-04	7.06E-02	9.14E-03	1.02E+00	1.06E+00	2.73E+01	7.06E-01	4.67E-02	2.91E+01
5421	488114.39	3857165.47	11.142	2.68538	5.4418	0.79506	8.49E-01	2.87E+01	6.02E-01	4.55E-02	3.02E+01	8.25E-01	1.21E-04	6.02E-02	8.90E-03	8.94E-01	9.25E-01	2.87E+01	6.02E-01	4.55E-02	3.02E+01
5422	488171.49	3857234.24	10.6402	2.80411	5.7827	0.76968	8.11E-01	2.99E+01	6.39E-01	4.40E-02	3.14E+01	7.88E-01	1.26E-04	6.39E-02	8.62E-03	8.60E-01	8.83E-01	2.99E+01	6.39E-01	4.40E-02	3.15E+01
5423	488193.16	3857297.8	10.7515	2.91883	6.2993	0.79179	8.19E-01	3.11E+01	6.96E-01	4.53E-02	3.27E+01	7.96E-01	1.32E-04	6.96E-02	8.86E-03	8.75E-01	8.93E-01	3.11E+01	6.96E-01	4.53E-02	3.28E+01
5424	488189.27	3857649.94	12.4882	3.41103	12.088	1.4795	9.52E-01	3.64E+01	1.34E+00	8.46E-02	3.88E+01	9.25E-01	1.54E-04	1.34E-01	1.66E-02	1.07E+00	1.04E+00	3.64E+01	1.34E+00	8.46E-02	3.89E+01
5425	488127.43	3857732.32	10.6001	3.64703	17.639	1.61094	8.08E-01	3.89E+01	1.95E+00	9.21E-02	4.18E+01	7.85E-01	1.64E-04	1.95E-01	1.80E-02	9.98E-01	8.80E-01	3.89E+01	1.95E+00	9.21E-02	4.18E+01

5426	488149.93	3857752.94	10.2354	3.69824	16.231	1.6335		7.80E-01	3.95E+01	1.79E+00	9.34E-02	4.21E+01		7.58E-01	1.67E-04	1.79E-01	1.83E-02	9.56E-01		8.50E-01	3.95E+01	1.79E+00	9.34E-02	4.22E+01
5427	488144.76	3857758.71	10.0015	3.70768	16.959	1.64221		7.62E-01	3.96E+01	1.88E+00	9.39E-02	4.23E+01		7.40E-01	1.67E-04	1.88E-01	1.84E-02	9.47E-01		8.30E-01	3.96E+01	1.88E+00	9.39E-02	4.24E+01
5428	488335.58	3857932.55	7.98075	4.54143	27.529	1.22095		6.08E-01	4.85E+01	3.04E+00	6.98E-02	5.22E+01		5.91E-01	2.05E-04	3.04E-01	1.37E-02	9.09E-01		6.63E-01	4.85E+01	3.04E+00	6.98E-02	5.22E+01
5429	488372.29	3857943.79	7.56944	4.57047	27.822	1.30985		5.77E-01	4.88E+01	3.08E+00	7.49E-02	5.25E+01		5.60E-01	2.06E-04	3.08E-01	1.47E-02	8.83E-01		6.28E-01	4.88E+01	3.08E+00	7.49E-02	5.26E+01
5430	488828.64	3857936.4	9.50802	3.31371	17.432	1.27334		7.25E-01	3.54E+01	1.93E+00	7.28E-02	3.81E+01		7.04E-01	1.49E-04	1.93E-01	1.43E-02	9.11E-01		7.89E-01	3.54E+01	1.93E+00	7.28E-02	3.82E+01
5431	488829.08	3857959.58	9.4421	3.3706	16.901	1.24831		7.20E-01	3.60E+01	1.87E+00	7.14E-02	3.86E+01		6.99E-01	1.52E-04	1.87E-01	1.40E-02	9.00E-01		7.84E-01	3.60E+01	1.87E+00	7.14E-02	3.87E+01
5432	488351.61	3857964.55	8.21774	4.66126	38.942	1.37291		6.26E-01	4.97E+01	4.31E+00	7.85E-02	5.48E+01		6.08E-01	2.10E-04	4.31E-01	1.54E-02	1.05E+00		6.82E-01	4.97E+01	4.31E+00	7.85E-02	5.48E+01
5433	488316.87	3857947.65	8.51037	4.59621	29.42	1.23686		6.49E-01	4.90E+01	3.25E+00	7.07E-02	5.30E+01		6.30E-01	2.07E-04	3.25E-01	1.38E-02	9.69E-01		7.07E-01	4.90E+01	3.25E+00	7.07E-02	5.31E+01
5434	488129.1	3857775.77	9.23464	3.74494	18.737	1.66521		7.04E-01	4.00E+01	2.07E+00	9.52E-02	4.28E+01		6.84E-01	1.69E-04	2.07E-01	1.86E-02	9.10E-01		7.67E-01	4.00E+01	2.07E+00	9.52E-02	4.29E+01
5435	488062.53	3857846.13	11.156	3.93086	33.613	1.74483		8.50E-01	4.19E+01	3.72E+00	9.98E-02	4.66E+01		8.26E-01	1.77E-04	3.72E-01	1.95E-02	1.22E+00		9.26E-01	4.19E+01	3.72E+00	9.98E-02	4.67E+01
5436	488330.41	3858091.34	9.45403	5.01449	64.237	1.85584		7.21E-01	5.35E+01	7.10E+00	1.06E-01	6.14E+01		7.00E-01	2.26E-04	7.10E-01	2.08E-02	1.43E+00		7.85E-01	5.35E+01	7.10E+00	1.06E-01	6.15E+01
5437	488470.87	3858174.45	8.65556	5.12453	39.316	1.58149		6.60E-01	5.47E+01	4.35E+00	9.04E-02	5.98E+01		6.41E-01	2.31E-04	4.35E-01	1.77E-02	1.09E+00		7.19E-01	5.47E+01	4.35E+00	9.04E-02	5.98E+01
5438	488568.9	3858262.31	8.09364	4.94671	26.514	1.12826		6.17E-01	5.28E+01	2.93E+00	6.45E-02	5.64E+01		5.99E-01	2.23E-04	2.93E-01	1.26E-02	9.05E-01		6.72E-01	5.28E+01	2.93E+00	6.45E-02	5.65E+01
5439	488964.27	3858025.71	9.02567	3.56599	13.46	1.1795		6.88E-01	3.81E+01	1.49E+00	6.74E-02	4.03E+01		6.68E-01	1.61E-04	1.49E-01	1.32E-02	8.30E-01		7.49E-01	3.81E+01	1.49E+00	6.74E-02	4.04E+01
5440	489147.25	3857956.64	8.18493	3.42035	10.261	1.29717		6.24E-01	3.65E+01	1.13E+00	7.42E-02	3.83E+01		6.06E-01	1.54E-04	1.13E-01	1.45E-02	7.34E-01		6.80E-01	3.65E+01	1.13E+00	7.42E-02	3.84E+01
5441	489343.52	3857932.45	7.55383	3.2852	8.9072	1.18887		5.76E-01	3.51E+01	9.85E-01	6.80E-02	3.67E+01		5.59E-01	1.48E-04	9.85E-02	1.33E-02	6.71E-01		6.27E-01	3.51E+01	9.85E-01	6.80E-02	3.67E+01
5442	489866.19	3857923.19	5.93476	2.39077	8.746	1.21566		4.52E-01	2.55E+01	9.67E-01	6.95E-02	2.70E+01		4.39E-01	1.08E-04	9.67E-02	1.36E-02	5.50E-01		4.93E-01	2.55E+01	9.67E-01	6.95E-02	2.70E+01
5443	489955.65	3857902.27	5.47832	2.28931	8.7322	1.20369		4.18E-01	2.44E+01	9.65E-01	6.88E-02	2.59E+01		4.06E-01	1.03E-04	9.65E-02	1.35E-02	5.16E-01		4.55E-01	2.44E+01	9.65E-01	6.88E-02	2.59E+01
5444	490079.44	3857847.9	4.63442	2.24219	8.5259	1.15162		3.53E-01	2.39E+01	9.43E-01	6.59E-02	2.53E+01		3.43E-01	1.01E-04	9.43E-02	1.29E-02	4.50E-01		3.85E-01	2.39E+01	9.43E-01	6.59E-02	2.53E+01
5445	490108.49	3857934.13	5.07959	2.25213	8.6463	1.15013		3.87E-01	2.40E+01	9.56E-01	6.58E-02	2.54E+01		3.76E-01	1.02E-04	9.56E-02	1.29E-02	4.85E-01		4.22E-01	2.40E+01	9.56E-01	6.58E-02	2.55E+01
5446	489884.48	3858014.17	6.30849	2.4202	8.3926	1.23325		4.81E-01	2.58E+01	9.28E-01	7.05E-02	2.73E+01		4.67E-01	1.09E-04	9.28E-02	1.38E-02	5.74E-01		5.24E-01	2.58E+01	9.28E-01	7.05E-02	2.73E+01
5447	489326.56	3858025.86	7.63733	3.48006	9.4159	1.19164		5.82E-01	3.71E+01	1.04E+00	6.81E-02	3.88E+01		5.65E-01	1.57E-04	1.04E-01	1.33E-02	6.83E-01		6.34E-01	3.71E+01	1.04E+00	6.81E-02	3.89E+01
5448	489130.38	3858056.71	8.70525	3.55449	11.35	1.34906		6.64E-01	3.79E+01	1.25E+00	7.71E-02	3.99E+01		6.44E-01	1.60E-04	1.25E-01	1.51E-02	7.85E-01		7.23E-01	3.79E+01	1.25E+00	7.71E-02	4.00E+01
5449	488936.49	3858143.93	7.83318	3.79064	15.056	1.18713		5.97E-01	4.05E+01	1.66E+00	6.79E-02	4.28E+01		5.80E-01	1.71E-04	1.66E-01	1.33E-02	7.60E-01		6.50E-01	4.05E+01	1.66E+00	6.79E-02	4.28E+01
5450	488638.08	3858327.45	7.80894	5.10102	19.231	1.07901		5.95E-01	5.44E+01	2.13E+00	6.17E-02	5.72E+01		5.78E-01	2.30E-04	2.13E-01	1.21E-02	8.03E-01		6.48E-01	5.44E+01	2.13E+00	6.17E-02	5.73E+01
5451	488663.79	3858349.57	7.71612	5.13451	17.149	1.13996		5.88E-01	5.48E+01	1.90E+00	6.52E-02	5.73E+01		5.71E-01	2.31E-04	1.90E-01	1.28E-02	7.74E-01		6.41E-01	5.48E+01	1.90E+00	6.52E-02	5.74E+01
5452	488694.56	3858349.5	7.62044	5.06568	17.587	1.18311		5.81E-01	5.41E+01	1.94E+00	6.77E-02	5.67E+01		5.64E-01	2.28E-04	1.94E-01	1.32E-02	7.72E-01		6.33E-01	5.41E+01	1.94E+00	6.77E-02	5.67E+01
5453	488694.35	3858336.75	7.61063	5.01285	18.549	1.17514		5.80E-01	5.35E+01	2.05E+00	6.72E-02	5.62E+01		5.63E-01	2.26E-04	2.05E-01	1.32E-02	7.82E-01		6.32E-01	5.35E+01	2.05E+00	6.72E-02	5.62E+01
5454	488712.81	3858336.38	7.5208	4.97106	18.29	1.19515		5.73E-01	5.30E+01	2.02E+00	6.83E-02	5.57E+01		5.57E-01	2.24E-04	2.02E-01	1.34E-02	7.73E-01		6.24E-01	5.31E+01	2.02E+00	6.83E-02	5.58E+01
5455	488713.23	3858367.46	7.55406	5.10101	16.154	1.21254		5.76E-01	5.44E+01	1.79E+00	6.93E-02	5.69E+01		5.59E-01	2.30E-04	1.79E-01	1.36E-02	7.52E-01		6.27E-01	5.44E+01	1.79E+00	6.93E-02	5.69E+01
5456	488704.63	3858384.05	7.55956	5.19247	14.321	1.21404		5.76E-01	5.54E+01	1.58E+00	6.94E-02	5.76E+01		5.60E-01	2.34E-04	1.58E-01	1.36E-02	7.32E-01		6.28E-01	5.54E+01	1.58E+00	6.94E-02	5.77E+01
5457	488604.15	3858488.29	7.70903	5.85092	13.173	1.13071		5.88E-01	6.24E+01	1.46E+00	6.47E-02	6.45E+01		5.71E-01	2.64E-04	1.46E-01	1.27E-02	7.29E-01		6.40E-01	6.24E+01	1.46E+00	6.47E-02	6.46E+01
5458	488605.66	3858550.47	7.63947	6.05908	10.576	1.18419		5.82E-01	6.47E+01	1.17E+00	6.77E-02	6.65E+01		5.66E-01	2.73E-04	1.17E-01	1.33E-02	6.96E-01		6.34E-01	6.47E+01	1.17E+00	6.77E-02	6.65E+01
5459	488692.68	3858548.71	7.30627	5.89104	10.191	1.2917		5.57E-01	6.29E+01	1.13E+00	7.39E-02	6.46E+01		5.41E-01	2.66E-04	1.13E-01	1.45E-02	6.68E-01		6.07E-01	6.29E+01	1.13E+00	7.39E-02	6.47E+01
5460	488759.93	3858461.81	7.25784	5.33825	11.253	1.26347		5.53E-01	5.70E+01	1.24E+00	7.22E-02	5.88E+01		5.37E-01	2.41E-04	1.24E-01	1.41E-02	6.76E-01		6.03E-01	5.70E+01	1.24E+00	7.22E-02	5.89E+01
5461	488816.57	3858541.79	6.86872	5.75167	9.8085	1.46443		5.24E-01	6.14E+01	1.08E+00	8.37E-02	6.31E+01		5.09E-01	2.59E-04	1.08E-01	1.64E-02	6.34E-01		5.70E-01	6.14E+01	1.08E+00	8.37E-02	6.31E+01
5462	488944.63	3858656.77	6.38745	6.79378	7.8073	1.4464		4.87E-01	7.25E+01	8.63E-01	8.27E-02	7.39E+01		4.73E-01	3.06E-04	8.63E-02	1.62E-02	5.76E-01		5.30E-01	7.25E+01	8.63E-01	8.27E-02	7.40E+01
5463	489134.91	3858830.7	5.78279	9.14374	7.4911	1.09347		4.41E-01	9.76E+01	8.28E-01	6.25E-02	9.89E+01		4.28E-01	4.12E-04	8.28E-02	1.22E-02	5.24E-01		4.80E-01	9.76E+01	8.28E-01	6.25E-02	9.90E+01
5464	489193.99	3858886.05	5.63224	9.85231	7.3345	1.02338		4.29E-01	1.05E+02	8.11E-01	5.85E-02	1.06E+02		4.17E-01	4.44E-04	8.11E-02	1.15E-02	5.10E-01		4.68E-01	1.05E+02	8.11E-01	5.85E-02	1.06E+02
5465	489295.2	3858954.34	5.36994	10.2101	7.1265	0.97486		4.09E-01	1.09E+02	7.88E-01	5.57E-02	1.10E+02		3.98E-01	4.60E-04	7.88E-02	1.09E-02	4.88E-01		4.46E-01	1.09E+02	7.88E-01	5.57E-02	1.10E+02
5466	489295.64	3858992.74	5.37728	10.5596	6.9693	0.97938		4.10E-01	1.13E+02	7.71E-01	5.60E-02	1.14E+02		3.98E-01	4.76E-04	7.71E-02	1.10E-02	4.87E-01		4.46E-01	1.13E+02	7.71E-01	5.60E-02	1.14E+02
5467	489183.74	3858911.72	5.6797	10.3038	7.1985	0.99287		4.33E-01	1.10E+02	7.96E-01	5.68E-02	1.11E+02		4.20E-01	4.64E-04	7.96E-02	1.11E-02	5.12E-01		4.72E-01	1.10E+02	7.96E-01	5.68E-02	1.11E+02
5468	488873.37	3858625.59	6.57897	6.54257	8.044	1.36262		5.01E-01	6.98E+01	8.89E-01	7.79E-02	7.13E+01		4.87E-01	2.95E-04	8.89E-02	1.53E-02	5.92E-01		5.46E-01	6.98E+01	8.89E-01	7.79E-02	7.13E+01
5469	488842.84	3858658.69	6.7278	6.99865	7.4211	1.3513		5.13E-01	7.47E+01	8.20E-01	7.73E-02	7.61E+01		4.98E-01	3.15E-04	8.20E-02	1.51E-02	5.96E-01		5.59E-01	7.47E+01	8.20E-01	7.73E-02	7.61E+01
5470	488856.39	3858670.93	6.68817	7.11284	7.4286	1.34686		5.10E-01	7.59E+01	8.21E-01	7.70E-02	7.73E+01		4.95E-01	3.21E-04	8.21E-02	1.51E-02	5.93E-01		5.55E-01	7.59E+01	8.21E-01	7.70E-02	7.74E+01
5471	488805.7	3858724.5	6.80363	8.09781	6.4659	1.32541		5.19E-01	8.64E+01	7.15E-01	7.58E-02	8.77E+01		5.04E-01	3.65E-04	7.15E-02	1.48E-02	5.90E-01		5.65E-01	8.64E+01	7.15E-01	7.58E-02	8.78E+01
5472	488805.87	3858804.16	6.83308	10.1556	5.1913	1.30811		5.21E-01	1.08E+02	5.74E-01	7.48E-02	1.10E+02		5.06E-01	4.58E-04	5.74E-02	1.46E-02	5.78E-01		5.67E-01	1.08E+02	5.74E-01	7.48E-02	1.10E+02
5473	488995.78	3858936.96	6.06414	12.3124	5.5965	1.4749		4.62E-01	1.31E+02	6.19E-01	8.43E-02	1.33E+02		4.49E-01	5.55E-04	6.19E-02	1.65E-02	5.28E-01		5.03E-01	1.31E+02	6.19E-01	8.43E-02	1.33E+02
5474	489130.76	3859017.38	5.72937	11.8411	5.9146	1.08456		4.37E-01	1.26E+02	6.54E-01	6.20E-02	1.28E+02		4.24E-01	5.34E-04	6.54E-02	1.21E-02	5.02E-01		4.76E-01	1.26E+02	6.54E-01	6.20E-02	1.28E+02
5475	489130.92	3859052.24	5.68127	11.8239	5.5048	0.99297		4.33E-01	1.26E+02	6.09E-01	5.68E-02	1.27E+02		4.21E-01	5.33E-04	6.09E-02	1.11E-02	4.93E-01		4.72E-01	1.26E+02	6.09E-01	5.68E-02	1.27E+02
5476	489200.33	3859090.6	5.51411	11.3234	5.6488	0.96822		4.20E-01	1.21E+02	6.25E-01	5.54E-02	1.22E+02		4.08E-01	5.10E-04	6.25E-02	1.08E-02	4.82E-01		4.58E-01	1.21E+02	6.25E-01	5.54E-02	1.22E+02
5477	489296.07	3859143.7	5.29014	10.6506	5.7713	0.99318		4.03E-01	1.14E+02	6.38E-01	5.68E-02	1.15E+02		3.92E-01	4.80E-04	6.38E-02	1.11E-02	4.67E-01		4.39E-01	1.14E+02	6.38E-01	5.68E-02	1.15E+02
5478	489296.43	3858954.74	5.37048	10.2078	7.1249	0.97504		4.09E-01	1.09E+02	7.88E-01	5.58E-02	1.10E+02		3.98E-01	4.60E-04	7.88E-02	1.09E-02	4.88E-01		4.46E-01	1.09E+02	7.88E-01	5.58E-02	1.10E+02
5479	489410.33	3859033.19	5.18903	9.98004	6.8652	0.99362		3.96E-01	1.07E+02	7.59E-01	5.68E-02	1.08E+02		3.84E-01	4.50E-04	7.59E-02	1.11E-02	4.72E-01		4.31E-01	1.07E+02	7.59E-01	5.68E-02	1.08E+02
5480	489371.37	3859089.8	5.18966	10.2658	6.5728	0.99538		3.96E-01	1.10E+02	7.27E-01	5.69E-02	1.11E+02		3.84E-01	4.63E-04	7.27E-02	1.11E-02	4.68E-01		4.31E-01	1.10E+02	7.27E-01	5.69E-02	1.11E+02
5481	489390.52	3859102.82	5.14393	10.1377	6.5423	0.99849		3.92E-01	1.08E+02	7.23E-01	5.71E-02	1.09E+02		3.81E-01	4.57E-04	7.23E-02	1.12E-02	4.65E-01		4.27E-01	1.08E+02	7.23E-01	5.71E-02	1.09E+02
5482	489382.3	3859114.53	5.15956	10.145	6.4449	0.9989		3.93E-01	1.08E+02	7.13E-01	5.71E-02	1.09E+02		3.82E-01	4.57E-04	7.13E-02	1.12E-02	4.65E-01		4.28E-01	1.08E+02	7.13E-01	5.71E-02	1.09E+02
5483	489363.04	3859102.45	5.20559	10.2743	6.4653	0.99566		3.97E-01	1.10E+02	7.15E-01	5.69E-02	1.11E+02		3.85E-01	4.63E-04	7.15E-02	1.11E-02	4.68E-01		4.32E-01	1.10E+02	7.15E-01	5.69E-02	1.11E+02
5484	489337.52	3859140.71	5.22283	10.3997	6.0432	0.9979		3.98E-01	1.11E+02	6.68E-01	5.71E-02	1.12E+02		3.87E-01	4.69E-04	6.68E-02	1.12E-02	4.65E-01		4.34E-01	1.11E+02	6.68E-01	5.71E-02	1.12E+02
5485	489375.14	3859164.55	5.13832	10.0695	6.0302	1.00487		3.92E-01	1.07E+02	6.67E-01	5.75E-02	1.09E+02		3.80E-01	4.54E-04	6.67E-02	1.12E-02	4.59E-01		4.27E-01	1.07E+02	6.67E-01	5.75E-02	1.09E+02
5486	489409.3	3859114.5	5.10007	10.0063	6.5186	1.0012		3.89E-01	1.07E+02	7.21E-01	5.73E-02	1.08E+02		3.78E-01	4.51E-04	7.21E-02	1.12E-02	4.61E-01		4.23E-01	1.07E+02	7.21E-01	5.73E-02	1.08E+02

5487	489434.87	3859131.81	5.04415	9.77851	6.4808	1.00442	3.84E-01	1.04E+02	7.17E-01	5.74E-02	1.06E+02	3.73E-01	4.41E-04	7.17E-02	1.12E-02	4.57E-01	4.19E-01	1.04E+02	7.17E-01	5.74E-02	1.06E+02
5488	489471.87	3859075.75	5.09355	9.63027	6.7311	1.00072	3.88E-01	1.03E+02	7.44E-01	5.72E-02	1.04E+02	3.77E-01	4.34E-04	7.44E-02	1.12E-02	4.63E-01	4.23E-01	1.03E+02	7.44E-01	5.72E-02	1.04E+02
5489	489602.62	3859164.69	4.89712	8.63214	6.4478	1.00429	3.73E-01	9.21E+01	7.13E-01	5.74E-02	9.33E+01	3.63E-01	3.89E-04	7.13E-02	1.12E-02	4.45E-01	4.07E-01	9.21E+01	7.13E-01	5.74E-02	9.33E+01
5490	489558.29	3859232.45	4.77445	8.52108	6.197	1.00321	3.64E-01	9.09E+01	6.85E-01	5.74E-02	9.20E+01	3.53E-01	3.84E-04	6.85E-02	1.12E-02	4.34E-01	3.96E-01	9.09E+01	6.85E-01	5.74E-02	9.21E+01
5491	489620.11	3859273.56	4.6419	8.05364	6.0977	0.99012	3.54E-01	8.59E+01	6.74E-01	5.66E-02	8.70E+01	3.44E-01	3.63E-04	6.74E-02	1.11E-02	4.23E-01	3.85E-01	8.59E+01	6.74E-01	5.66E-02	8.71E+01
5492	489666.06	3859206.42	4.80596	8.1435	6.311	0.997	3.66E-01	8.69E+01	6.98E-01	5.70E-02	8.80E+01	3.56E-01	3.67E-04	6.98E-02	1.12E-02	4.37E-01	3.99E-01	8.69E+01	6.98E-01	5.70E-02	8.81E+01
5493	489787.9	3859285.65	4.64243	7.32615	6.0644	0.96966	3.54E-01	7.82E+01	6.70E-01	5.54E-02	7.93E+01	3.44E-01	3.30E-04	6.70E-02	1.09E-02	4.22E-01	3.85E-01	7.82E+01	6.70E-01	5.54E-02	7.93E+01
5494	489752.17	3859343.13	4.38864	7.34324	5.9607	0.96036	3.35E-01	7.84E+01	6.59E-01	5.49E-02	7.94E+01	3.25E-01	3.31E-04	6.59E-02	1.08E-02	4.02E-01	3.64E-01	7.84E+01	6.59E-01	5.49E-02	7.94E+01
5495	489814.94	3859385.33	4.28136	7.07862	5.8565	0.95054	3.26E-01	7.55E+01	6.48E-01	5.44E-02	7.66E+01	3.17E-01	3.19E-04	6.48E-02	1.06E-02	3.93E-01	3.55E-01	7.55E+01	6.48E-01	5.44E-02	7.66E+01
5496	489853.42	3859330.74	4.54729	6.88698	5.9339	0.95468	3.47E-01	7.35E+01	6.56E-01	5.46E-02	7.46E+01	3.37E-01	3.10E-04	6.56E-02	1.07E-02	4.13E-01	3.78E-01	7.35E+01	6.56E-01	5.46E-02	7.46E+01
5497	489969.5	3859401.91	4.40671	6.39867	5.7158	0.94409	3.36E-01	6.83E+01	6.32E-01	5.40E-02	6.93E+01	3.26E-01	2.88E-04	6.32E-02	1.06E-02	4.00E-01	3.66E-01	6.83E+01	6.32E-01	5.40E-02	6.93E+01
5498	490166.91	3859486.96	4.20402	5.87277	5.3129	0.95368	3.20E-01	6.27E+01	5.87E-01	5.45E-02	6.36E+01	3.11E-01	2.65E-04	5.87E-02	1.07E-02	3.81E-01	3.49E-01	6.27E+01	5.87E-01	5.45E-02	6.37E+01
5499	490128.86	3859571.46	4.01197	5.95082	5.3631	0.98096	3.06E-01	6.35E+01	5.93E-01	5.61E-02	6.45E+01	2.97E-01	2.68E-04	5.93E-02	1.10E-02	3.68E-01	3.33E-01	6.35E+01	5.93E-01	5.61E-02	6.45E+01
5500	490186.65	3859593.65	3.99439	5.84556	5.2896	0.98122	3.04E-01	6.24E+01	5.85E-01	5.61E-02	6.33E+01	2.96E-01	2.64E-04	5.85E-02	1.10E-02	3.65E-01	3.32E-01	6.24E+01	5.85E-01	5.61E-02	6.34E+01
5501	490223.74	3859517.48	4.13393	5.68737	5.2072	0.95896	3.15E-01	6.07E+01	5.76E-01	5.48E-02	6.16E+01	3.06E-01	2.56E-04	5.76E-02	1.07E-02	3.75E-01	3.43E-01	6.07E+01	5.76E-01	5.48E-02	6.17E+01
5502	490846.34	3859817.22	3.34597	4.57302	5.0725	0.90201	2.55E-01	4.88E+01	5.61E-01	5.16E-02	4.97E+01	2.48E-01	2.06E-04	5.61E-02	1.01E-02	3.14E-01	2.78E-01	4.88E+01	5.61E-01	5.16E-02	4.97E+01
5503	490925.65	3859844.59	3.22205	4.37916	5.1385	0.88043	2.46E-01	4.67E+01	5.68E-01	5.03E-02	4.76E+01	2.39E-01	1.97E-04	5.68E-02	9.86E-03	3.05E-01	2.67E-01	4.67E+01	5.68E-01	5.03E-02	4.76E+01
5504	491159.29	3859896.28	2.71345	4.1345	5.3034	0.90008	2.07E-01	4.41E+01	5.86E-01	5.15E-02	4.50E+01	2.01E-01	1.86E-04	5.86E-02	1.01E-02	2.70E-01	2.25E-01	4.41E+01	5.86E-01	5.15E-02	4.50E+01
5505	491370.69	3859960.89	2.34787	3.87063	5.1677	0.90708	1.79E-01	4.13E+01	5.71E-01	5.19E-02	4.21E+01	1.74E-01	1.74E-04	5.71E-02	1.02E-02	2.41E-01	1.95E-01	4.13E+01	5.71E-01	5.19E-02	4.21E+01
5506	491330.28	3860063.17	2.6446	3.61448	4.7245	0.88652	2.02E-01	3.86E+01	5.22E-01	5.07E-02	3.93E+01	1.96E-01	1.63E-04	5.22E-02	9.92E-03	2.58E-01	2.20E-01	3.86E+01	5.22E-01	5.07E-02	3.94E+01
5507	491636.45	3860180.75	2.20777	3.28142	4.712	0.81789	1.68E-01	3.50E+01	5.21E-01	4.68E-02	3.58E+01	1.63E-01	1.48E-04	5.21E-02	9.16E-03	2.25E-01	1.83E-01	3.50E+01	5.21E-01	4.68E-02	3.58E+01
5508	491617.94	3860203.93	2.30816	3.30899	4.607	0.79937	1.76E-01	3.53E+01	5.09E-01	4.57E-02	3.60E+01	1.71E-01	1.49E-04	5.09E-02	8.95E-03	2.31E-01	1.92E-01	3.53E+01	5.09E-01	4.57E-02	3.61E+01
5509	491805.68	3860271.59	2.05244	3.21001	4.5812	0.76052	1.56E-01	3.43E+01	5.07E-01	4.35E-02	3.50E+01	1.52E-01	1.45E-04	5.07E-02	8.51E-03	2.11E-01	1.70E-01	3.43E+01	5.07E-01	4.35E-02	3.50E+01
5510	491654.23	3860414.02	2.59511	3.31555	3.6947	0.76834	1.98E-01	3.54E+01	4.08E-01	4.39E-02	3.60E+01	1.92E-01	1.49E-04	4.08E-02	8.60E-03	2.42E-01	2.15E-01	3.54E+01	4.08E-01	4.39E-02	3.61E+01
5511	491592.62	3860510.76	2.66062	3.32715	3.6637	0.78551	2.03E-01	3.55E+01	4.05E-01	4.49E-02	3.62E+01	1.97E-01	1.50E-04	4.05E-02	8.79E-03	2.46E-01	2.21E-01	3.55E+01	4.05E-01	4.49E-02	3.62E+01
5512	491475.41	3860368.93	2.73592	3.48381	3.7065	0.77569	2.09E-01	3.72E+01	4.10E-01	4.44E-02	3.78E+01	2.03E-01	1.57E-04	4.10E-02	8.68E-03	2.52E-01	2.27E-01	3.72E+01	4.10E-01	4.44E-02	3.79E+01
5513	491445.61	3860337.28	2.75537	3.50834	3.7075	0.77846	2.10E-01	3.74E+01	4.10E-01	4.45E-02	3.81E+01	2.04E-01	1.58E-04	4.10E-02	8.71E-03	2.54E-01	2.29E-01	3.74E+01	4.10E-01	4.45E-02	3.81E+01
5514	491399.05	3860300.37	2.79624	3.55047	3.7288	0.78487	2.13E-01	3.79E+01	4.12E-01	4.49E-02	3.86E+01	2.07E-01	1.60E-04	4.12E-02	8.79E-03	2.57E-01	2.32E-01	3.79E+01	4.12E-01	4.49E-02	3.86E+01
5515	491228.84	3860235.98	2.93988	3.75001	3.8706	0.84008	2.24E-01	4.00E+01	4.28E-01	4.80E-02	4.07E+01	2.18E-01	1.69E-04	4.28E-02	9.40E-03	2.70E-01	2.44E-01	4.00E+01	4.28E-01	4.80E-02	4.07E+01
5516	491228.47	3860174.57	2.946	3.628	3.8122	0.91191	2.25E-01	3.87E+01	4.21E-01	5.21E-02	3.94E+01	2.18E-01	1.64E-04	4.21E-02	1.02E-02	2.71E-01	2.45E-01	3.87E+01	4.21E-01	5.21E-02	3.94E+01
5517	491145.77	3860112.55	3.03543	3.80194	3.9066	0.99764	2.31E-01	4.06E+01	4.32E-01	5.70E-02	4.13E+01	2.25E-01	1.71E-04	4.32E-02	1.12E-02	2.79E-01	2.52E-01	4.06E+01	4.32E-01	5.70E-02	4.13E+01
5518	490844.41	3859966.22	3.39066	4.32571	4.3839	1.09314	2.58E-01	4.62E+01	4.85E-01	6.25E-02	4.70E+01	2.51E-01	1.95E-04	4.85E-02	1.22E-02	3.12E-01	2.81E-01	4.62E+01	4.85E-01	6.25E-02	4.70E+01
5519	490845.55	3859928.15	3.40367	4.36287	4.3445	1.00423	2.59E-01	4.66E+01	4.80E-01	5.74E-02	4.74E+01	2.52E-01	1.97E-04	4.80E-02	1.12E-02	3.11E-01	2.83E-01	4.66E+01	4.80E-01	5.74E-02	4.74E+01
5520	490046.91	3859625.6	3.84351	6.10701	5.2005	0.99984	2.93E-01	6.52E+01	5.75E-01	5.72E-02	6.61E+01	2.85E-01	2.75E-04	5.75E-02	1.12E-02	3.54E-01	3.19E-01	6.52E+01	5.75E-01	5.72E-02	6.61E+01
5521	489970.48	3859589.4	3.9629	6.25576	5.2382	0.99768	3.02E-01	6.68E+01	5.79E-01	5.71E-02	6.77E+01	2.93E-01	2.82E-04	5.79E-02	1.12E-02	3.63E-01	3.29E-01	6.68E+01	5.79E-01	5.71E-02	6.77E+01
5522	489865.89	3859529.06	4.1416	6.61479	5.3745	0.97889	3.16E-01	7.06E+01	5.94E-01	5.60E-02	7.16E+01	3.07E-01	2.98E-04	5.94E-02	1.10E-02	3.77E-01	3.44E-01	7.06E+01	5.94E-01	5.60E-02	7.16E+01
5523	489826.89	3859531.74	4.19071	6.71756	5.425	0.98084	3.19E-01	7.17E+01	6.00E-01	5.61E-02	7.27E+01	3.10E-01	3.03E-04	6.00E-02	1.10E-02	3.82E-01	3.48E-01	7.17E+01	6.00E-01	5.61E-02	7.27E+01
5524	489410.47	3859303.06	4.92793	9.03737	4.9719	1.00466	3.76E-01	9.64E+01	5.50E-01	5.74E-02	9.74E+01	3.65E-01	4.07E-04	5.50E-02	1.12E-02	4.31E-01	4.09E-01	9.64E+01	5.50E-01	5.74E-02	9.75E+01
5525	489407.15	3859286.09	4.95558	9.1751	5.111	1.00848	3.78E-01	9.79E+01	5.65E-01	5.77E-02	9.89E+01	3.67E-01	4.14E-04	5.65E-02	1.13E-02	4.35E-01	4.11E-01	9.79E+01	5.65E-01	5.77E-02	9.89E+01
5526	488806.07	3858963.62	7.81868	15.2596	5.2948	1.54781	5.96E-01	1.63E+02	5.85E-01	8.85E-02	1.64E+02	5.79E-01	6.88E-04	5.85E-02	1.73E-02	6.55E-01	6.49E-01	1.63E+02	5.85E-01	8.85E-02	1.64E+02
5527	488817.64	3859546.3	4.9784	13.9942	4.3861	3.01365	3.79E-01	1.49E+02	4.85E-01	1.72E-01	1.50E+02	3.69E-01	6.31E-04	4.85E-02	3.37E-02	4.51E-01	4.13E-01	1.49E+02	4.85E-01	1.72E-01	1.50E+02
5528	489187.25	3859549.52	5.83526	9.39249	5.0373	1.50647	4.45E-01	1.00E+02	5.57E-01	8.61E-02	1.01E+02	4.32E-01	4.23E-04	5.57E-02	1.69E-02	5.05E-01	4.84E-01	1.00E+02	5.57E-01	8.61E-02	1.01E+02
5529	489187.66	3859523.74	6.02033	9.64997	4.9207	1.5656	4.59E-01	1.03E+02	5.44E-01	8.95E-02	1.04E+02	4.46E-01	4.35E-04	5.44E-02	1.75E-02	5.18E-01	5.00E-01	1.03E+02	5.44E-01	8.95E-02	1.04E+02
5530	489232.59	3859522.85	6.19439	9.36729	4.6501	1.43475	4.72E-01	1.00E+02	5.14E-01	8.20E-02	1.01E+02	4.59E-01	4.22E-04	5.14E-02	1.61E-02	5.26E-01	5.14E-01	1.00E+02	5.14E-01	8.20E-02	1.01E+02
5531	489224.98	3859759.91	4.30207	7.3804	4.9782	1.50165	3.28E-01	7.88E+01	5.50E-01	8.59E-02	7.97E+01	3.18E-01	3.33E-04	5.50E-02	1.68E-02	3.91E-01	3.57E-01	7.88E+01	5.50E-01	8.59E-02	7.98E+01
5532	488401.39	3859763.34	4.00528	16.6785	3.3121	4.00143	3.05E-01	1.78E+02	3.66E-01	2.29E-01	1.79E+02	2.97E-01	7.52E-04	3.66E-02	4.48E-02	3.79E-01	3.33E-01	1.78E+02	3.66E-01	2.29E-01	1.79E+02
5533	488405.51	3859966.16	4.06669	17.2961	3.6165	7.61561	3.10E-01	1.85E+02	4.00E-01	4.35E-01	1.86E+02	3.01E-01	7.80E-04	4.00E-02	8.53E-02	4.27E-01	3.38E-01	1.85E+02	4.00E-01	4.35E-01	1.86E+02
5534	489202.85	3859956.57	4.25621	8.20168	4.1171	2.97636	3.24E-01	8.75E+01	4.55E-01	1.70E-01	8.85E+01	3.15E-01	3.70E-04	4.55E-02	3.33E-02	3.94E-01	3.53E-01	8.75E+01	4.55E-01	1.70E-01	8.85E+01
5535	489191.9	3860676.74	2.52555	13.6538	3.5387	2.16915	1.92E-01	1.46E+02	3.91E-01	1.24E-01	1.46E+02	1.87E-01	6.15E-04	3.91E-02	2.43E-02	2.51E-01	2.10E-01	1.46E+02	3.91E-01	1.24E-01	1.46E+02
5536	488392.82	3860687.88	2.92633	11.1372	3.775	2.00019	2.23E-01	1.19E+02	4.17E-01	1.14E-01	1.20E+02	2.17E-01	5.02E-04	4.17E-02	2.24E-02	2.81E-01	2.43E-01	1.19E+02	4.17E-01	1.14E-01	1.20E+02
5537	488392.82	3860760.27	2.84813	9.87163	3.7809	1.92191	2.17E-01	1.05E+02	4.18E-01	1.10E-01	1.06E+02	2.11E-01	4.45E-04	4.18E-02	2.15E-02	2.75E-01	2.36E-01	1.05E+02	4.18E-01	1.10E-01	1.06E+02
5538	487549.05	3860777.45	2.92984	8.78016	5.95	1.87433	2.23E-01	9.37E+01	6.58E-01	1.07E-01	9.47E+01	2.17E-01	3.96E-04	6.58E-02	2.10E-02	3.04E-01	2.43E-01	9.37E+01	6.58E-01	1.07E-01	9.47E+01
5539	487554.62	3859571.83	3.85397	14.7133	2.5395	4.32208	2.94E-01	1.57E+02	2.81E-01	2.47E-01	1.58E+02	2.85E-01	6.63E-04	2.81E-02	4.84E-02	3.62E-01	3.20E-01	1.57E+02	2.81E-01	2.47E-01	1.58E+02
5540	485949.46	3859558.54	2.84794	6.35385	4.1074	2.54513	2.17E-01	6.78E+01	4.54E-01	1.46E-01	6.86E+01	2.11E-01	2.86E-04	4.54E-02	2.85E-02	2.85E-01	2.36E-01	6.78E+01	4.54E-01	1.46E-01	6.86E+01
5541	485947.55	3857943.61	7.07436	10.0774	7.6333	1.30129	5.39E-01	1.08E+02	8.44E-01	7.44E-02	1.09E+02	5.24E-01	4.54E-04	8.44E-02	1.46E-02	6.23E-01	5.87E-01	1.08E+02	8.44E-01	7.44E-02	1.09E+02
5542	484738.38	3857940.21	5.72193	5.03788	5.8587	1.24954	4.36E-01	5.38E+01	6.48E-01	7.15E-02	5.49E+01	4.24E-01	2.27E-04	6.48E-02	1.40E-02	5.03E-01	4.75E-01	5.38E+01	6.48E-01	7.15E-02	5.50E+01
5543	484737.06	3857535.68	6.80824	8.17248	4.3799	1.61081	5.19E-01	8.72E+01	4.84E-01	9.21E-02	8.83E+01	5.04E-01	3.68E-04	4.84E-02	1.80E-02	5.71E-01	5.65E-01	8.72E+01	4.84E-01	9.21E-02	8.84E+01
5544	483730.2	3857530.13	5.50359	6.63662	4.3906	2.66658	4.19E-01	7.08E+01	4.85E-01	1.52E-01	7.19E+01	4.07E-01	2.99E-04	4.85E-02	2.99E-02	4.86E-01	4.57E-01	7.08E+01	4.85E-01	1.52E-01	7.19E+01
5545	483727.27	3857130.01	5.25203	11.1796	3.8407	3.04772	4.00E-01	1.19E+02	4.25E-01	1.74E-01	1.20E+02	3.89E-01	5.04E-04	4.25E-02	3.41E-02	4.66E-01	4.36E-01	1.19E+02	4.25E-01	1.74E-01	1.20E+02
5546	483124.42	3857123.45	4.6264	6.73184	3.5141	1.4937	3.53E-01	7.18E+01	3.89E-01	8.54E-02	7.27E+01	3.43E-01	3.03E-04	3.89E-02	1.67E-02	3.98E-01	3.84E-01	7.18E+01	3.89E-01	8.54E-02	7.27E+01
5547	483111.13	3855921.03	7.38937	10.6643	4.1871	2.12135	5.63E-01	1.14E+02	4.63E-01	1.21E-01	1.15E+02	5.47E-01	4.81E-04	4.63E-02	2.37E-02	6.18E-01	6.13E-01	1.14E+02	4.63E-01	1.21E-01	1.15E+02

5548	482701.73	3855918.24	6.6775	8.03	3.8509	1.65951	5.09E-01	8.57E+01	4.26E-01	9.49E-02	8.67E+01	4.94E-01	3.62E-04	4.26E-02	1.86E-02	5.56E-01	5.54E-01	8.57E+01	4.26E-01	9.49E-02	8.68E+01
5549	482668.02	3853521.78	5.99543	1.54835	2.8775	1.07931	4.57E-01	1.65E+01	3.18E-01	6.17E-02	1.74E+01	4.44E-01	6.98E-05	3.18E-02	1.21E-02	4.88E-01	4.98E-01	1.65E+01	3.18E-01	6.17E-02	1.74E+01
5550	482579.91	3853219.19	5.60002	1.48781	2.6534	0.86655	4.27E-01	1.59E+01	2.93E-01	4.96E-02	1.66E+01	4.15E-01	6.71E-05	2.93E-02	9.70E-03	4.54E-01	4.65E-01	1.59E+01	2.93E-01	4.96E-02	1.67E+01
5551	482434.06	3852961.94	5.42692	1.45243	2.4441	0.79611	4.14E-01	1.55E+01	2.70E-01	4.55E-02	1.62E+01	4.02E-01	6.55E-05	2.70E-02	8.91E-03	4.38E-01	4.51E-01	1.55E+01	2.70E-01	4.55E-02	1.63E+01
5552	482332.11	3852832.85	5.48986	1.4169	2.3593	0.74928	4.18E-01	1.51E+01	2.61E-01	4.28E-02	1.58E+01	4.06E-01	6.39E-05	2.61E-02	8.39E-03	4.41E-01	4.56E-01	1.51E+01	2.61E-01	4.28E-02	1.59E+01
5553	481334.99	3851818.96	3.95837	1.19596	1.9233	0.48421	3.02E-01	1.28E+01	2.13E-01	2.77E-02	1.33E+01	2.93E-01	5.39E-05	2.13E-02	5.42E-03	3.20E-01	3.29E-01	1.28E+01	2.13E-01	2.77E-02	1.33E+01
5554	481127.62	3851646.36	3.52833	1.16241	1.8895	0.45814	2.69E-01	1.24E+01	2.09E-01	2.62E-02	1.29E+01	2.61E-01	5.24E-05	2.09E-02	5.13E-03	2.87E-01	2.93E-01	1.24E+01	2.09E-01	2.62E-02	1.29E+01
5555	481025.04	3851591.73	3.24335	1.2162	1.9056	0.44397	2.47E-01	1.30E+01	2.11E-01	2.54E-02	1.35E+01	2.40E-01	5.48E-05	2.11E-02	4.97E-03	2.66E-01	2.69E-01	1.30E+01	2.11E-01	2.54E-02	1.35E+01
5556	480513.6	3851335.76	2.97753	1.24362	1.9739	0.45634	2.27E-01	1.33E+01	2.18E-01	2.61E-02	1.37E+01	2.20E-01	5.61E-05	2.18E-02	5.11E-03	2.47E-01	2.47E-01	1.33E+01	2.18E-01	2.61E-02	1.38E+01
5557	480523.56	3851317.66	3.02165	1.24647	1.9537	0.46031	2.30E-01	1.33E+01	2.16E-01	2.63E-02	1.38E+01	2.24E-01	5.62E-05	2.16E-02	5.15E-03	2.51E-01	2.51E-01	1.33E+01	2.16E-01	2.63E-02	1.38E+01
5558	476921.56	3849569.11	1.59429	1.13597	1.5472	0.72317	1.22E-01	1.21E+01	1.71E-01	4.14E-02	1.25E+01	1.18E-01	5.12E-05	1.71E-02	8.10E-03	1.43E-01	1.32E-01	1.21E+01	1.71E-01	4.14E-02	1.25E+01
5559	476521.19	3849373.96	1.58957	1.02865	1.4578	0.74153	1.21E-01	1.10E+01	1.61E-01	4.24E-02	1.13E+01	1.18E-01	4.64E-05	1.61E-02	8.30E-03	1.42E-01	1.32E-01	1.10E+01	1.61E-01	4.24E-02	1.13E+01
5560	476391.45	3849333.38	1.56796	0.98334	1.4194	0.7515	1.20E-01	1.05E+01	1.57E-01	4.30E-02	1.08E+01	1.16E-01	4.43E-05	1.57E-02	8.41E-03	1.40E-01	1.30E-01	1.05E+01	1.57E-01	4.30E-02	1.08E+01
5561	476219.41	3849304.29	1.69878	1.10434	1.3561	0.76769	1.29E-01	1.18E+01	1.50E-01	4.39E-02	1.21E+01	1.26E-01	4.98E-05	1.50E-02	8.59E-03	1.49E-01	1.41E-01	1.18E+01	1.50E-01	4.39E-02	1.21E+01
5562	475679.11	3849218.47	1.55934	1.14173	1.1443	0.79032	1.19E-01	1.22E+01	1.27E-01	4.52E-02	1.25E+01	1.15E-01	5.15E-05	1.27E-02	8.85E-03	1.37E-01	1.29E-01	1.22E+01	1.27E-01	4.52E-02	1.25E+01
5563	475677.71	3849233.88	1.52286	1.14406	1.1355	0.79176	1.16E-01	1.22E+01	1.26E-01	4.53E-02	1.25E+01	1.13E-01	5.16E-05	1.26E-02	8.86E-03	1.34E-01	1.26E-01	1.22E+01	1.26E-01	4.53E-02	1.25E+01
5564	475492.74	3849204.66	1.54256	0.83244	1.0593	0.78905	1.18E-01	8.88E+00	1.17E-01	4.51E-02	9.16E+00	1.14E-01	3.75E-05	1.17E-02	8.83E-03	1.35E-01	1.28E-01	8.88E+00	1.17E-01	4.51E-02	9.17E+00
5565	475497.64	3849158.75	1.47851	0.94085	1.0877	0.78633	1.13E-01	1.00E+01	1.20E-01	4.50E-02	1.03E+01	1.09E-01	4.24E-05	1.20E-02	8.80E-03	1.30E-01	1.23E-01	1.00E+01	1.20E-01	4.50E-02	1.03E+01
5566	475391.35	3849141.94	1.60222	0.95878	1.0478	0.78317	1.22E-01	1.02E+01	1.16E-01	4.48E-02	1.05E+01	1.19E-01	4.32E-05	1.16E-02	8.77E-03	1.39E-01	1.33E-01	1.02E+01	1.16E-01	4.48E-02	1.05E+01
5567	475277	3849095.47	1.6305	0.92889	1.0199	0.77755	1.24E-01	9.91E+00	1.13E-01	4.45E-02	1.02E+01	1.21E-01	4.19E-05	1.13E-02	8.70E-03	1.41E-01	1.35E-01	9.91E+00	1.13E-01	4.45E-02	1.02E+01
5568	475183.93	3849025.66	1.60194	0.90791	1.0141	0.77203	1.22E-01	9.69E+00	1.12E-01	4.41E-02	9.97E+00	1.19E-01	4.09E-05	1.12E-02	8.64E-03	1.38E-01	1.33E-01	9.69E+00	1.12E-01	4.41E-02	9.98E+00
5569	474453.23	3848378.77	1.37459	0.85534	1.02	0.72854	1.05E-01	9.13E+00	1.13E-01	4.17E-02	9.39E+00	1.02E-01	3.86E-05	1.13E-02	8.16E-03	1.21E-01	1.14E-01	9.13E+00	1.13E-01	4.17E-02	9.40E+00
5570	474569.63	3848399.34	1.48843	0.89362	1.0586	0.7315	1.13E-01	9.54E+00	1.17E-01	4.18E-02	9.81E+00	1.10E-01	4.03E-05	1.17E-02	8.19E-03	1.30E-01	1.24E-01	9.54E+00	1.17E-01	4.18E-02	9.82E+00
5571	474644.33	3848464.52	1.48084	0.90692	1.0593	0.73582	1.13E-01	9.68E+00	1.17E-01	4.21E-02	9.95E+00	1.10E-01	4.09E-05	1.17E-02	8.24E-03	1.30E-01	1.23E-01	9.68E+00	1.17E-01	4.21E-02	9.96E+00
5572	474719.04	3848529.7	1.47106	0.9148	1.0598	0.74021	1.12E-01	9.76E+00	1.17E-01	4.23E-02	1.00E+01	1.09E-01	4.12E-05	1.17E-02	8.29E-03	1.29E-01	1.22E-01	9.76E+00	1.17E-01	4.23E-02	1.00E+01
5573	474793.74	3848594.88	1.45848	0.90794	1.06	0.7447	1.11E-01	9.69E+00	1.17E-01	4.26E-02	9.96E+00	1.08E-01	4.09E-05	1.17E-02	8.34E-03	1.28E-01	1.21E-01	9.69E+00	1.17E-01	4.26E-02	9.97E+00
5574	474868.45	3848660.07	1.43855	0.88947	1.06	0.74926	1.10E-01	9.49E+00	1.17E-01	4.28E-02	9.76E+00	1.07E-01	4.01E-05	1.17E-02	8.39E-03	1.27E-01	1.19E-01	9.49E+00	1.17E-01	4.28E-02	9.77E+00
5575	474943.15	3848725.25	1.41843	0.88465	1.0601	0.75383	1.08E-01	9.44E+00	1.17E-01	4.31E-02	9.71E+00	1.05E-01	3.99E-05	1.17E-02	8.44E-03	1.25E-01	1.18E-01	9.44E+00	1.17E-01	4.31E-02	9.72E+00
5576	475017.86	3848790.43	1.40478	0.90006	1.0605	0.75839	1.07E-01	9.61E+00	1.17E-01	4.34E-02	9.87E+00	1.04E-01	4.06E-05	1.17E-02	8.49E-03	1.24E-01	1.17E-01	9.61E+00	1.17E-01	4.34E-02	9.88E+00
5577	475092.56	3848855.61	1.39163	0.92398	1.061	0.76299	1.06E-01	9.86E+00	1.17E-01	4.36E-02	1.01E+01	1.03E-01	4.17E-05	1.17E-02	8.54E-03	1.23E-01	1.16E-01	9.86E+00	1.17E-01	4.36E-02	1.01E+01
5578	475232.58	3848959.38	1.40009	0.96376	1.0711	0.77078	1.07E-01	1.03E+01	1.18E-01	4.41E-02	1.06E+01	1.04E-01	4.34E-05	1.18E-02	8.63E-03	1.24E-01	1.16E-01	1.03E+01	1.18E-01	4.41E-02	1.06E+01
5579	475368.47	3849029.98	1.47218	0.98896	1.0966	0.77655	1.12E-01	1.06E+01	1.21E-01	4.44E-02	1.08E+01	1.09E-01	4.46E-05	1.21E-02	8.69E-03	1.30E-01	1.22E-01	1.06E+01	1.21E-01	4.44E-02	1.08E+01
5580	475609.57	3849096.09	1.69689	1.02327	1.1741	0.77933	1.29E-01	1.09E+01	1.30E-01	4.46E-02	1.12E+01	1.26E-01	4.61E-05	1.30E-02	8.72E-03	1.47E-01	1.41E-01	1.09E+01	1.30E-01	4.46E-02	1.12E+01
5581	475680.68	3849116.62	1.74583	1.07467	1.1973	0.77903	1.33E-01	1.15E+01	1.32E-01	4.45E-02	1.18E+01	1.29E-01	4.84E-05	1.32E-02	8.72E-03	1.51E-01	1.45E-01	1.15E+01	1.32E-01	4.45E-02	1.18E+01
5582	475843.76	3849151.52	1.8006	1.10518	1.2561	0.77465	1.37E-01	1.18E+01	1.39E-01	4.43E-02	1.21E+01	1.33E-01	4.98E-05	1.39E-02	8.67E-03	1.56E-01	1.49E-01	1.18E+01	1.39E-01	4.43E-02	1.21E+01
5583	475935.73	3849165.89	1.76121	1.12121	1.2921	0.7696	1.34E-01	1.20E+01	1.43E-01	4.40E-02	1.23E+01	1.30E-01	5.05E-05	1.43E-02	8.62E-03	1.53E-01	1.46E-01	1.20E+01	1.43E-01	4.40E-02	1.23E+01
5584	476027.71	3849180.27	1.696	1.1088	1.3275	0.76331	1.29E-01	1.18E+01	1.47E-01	4.36E-02	1.22E+01	1.26E-01	5.00E-05	1.47E-02	8.54E-03	1.49E-01	1.41E-01	1.18E+01	1.47E-01	4.36E-02	1.22E+01
5585	476119.68	3849194.64	1.67196	1.02413	1.361	0.756	1.27E-01	1.09E+01	1.50E-01	4.32E-02	1.13E+01	1.24E-01	4.62E-05	1.50E-02	8.46E-03	1.47E-01	1.39E-01	1.09E+01	1.50E-01	4.32E-02	1.13E+01
5586	476211.65	3849209.01	1.59935	0.95533	1.3945	0.7473	1.22E-01	1.02E+01	1.54E-01	4.27E-02	1.05E+01	1.18E-01	4.31E-05	1.54E-02	8.37E-03	1.42E-01	1.33E-01	1.02E+01	1.54E-01	4.27E-02	1.05E+01
5587	476497.81	3849283.9	1.60102	0.9489	1.4825	0.72103	1.22E-01	1.01E+01	1.64E-01	4.12E-02	1.05E+01	1.19E-01	4.28E-05	1.64E-02	8.07E-03	1.43E-01	1.33E-01	1.01E+01	1.64E-01	4.12E-02	1.05E+01
5588	476603.73	3849323.77	1.65796	0.98375	1.5094	0.71272	1.26E-01	1.05E+01	1.67E-01	4.08E-02	1.08E+01	1.23E-01	4.43E-05	1.67E-02	7.98E-03	1.47E-01	1.38E-01	1.05E+01	1.67E-01	4.08E-02	1.08E+01
5589	476728.99	3849382.76	1.71378	0.99959	1.5366	0.70552	1.31E-01	1.07E+01	1.70E-01	4.03E-02	1.10E+01	1.27E-01	4.51E-05	1.70E-02	7.90E-03	1.52E-01	1.42E-01	1.07E+01	1.70E-01	4.03E-02	1.10E+01
5590	476801.27	3849418.65	1.73236	1.00829	1.5517	0.70158	1.32E-01	1.08E+01	1.72E-01	4.01E-02	1.11E+01	1.28E-01	4.55E-05	1.72E-02	7.85E-03	1.53E-01	1.44E-01	1.08E+01	1.72E-01	4.01E-02	1.11E+01
5591	476956.2	3849495.05	1.75516	1.03841	1.5839	0.69221	1.34E-01	1.11E+01	1.75E-01	3.96E-02	1.14E+01	1.30E-01	4.68E-05	1.75E-02	7.75E-03	1.55E-01	1.46E-01	1.11E+01	1.75E-01	3.96E-02	1.14E+01
5592	477038.84	3849535.56	1.78499	1.04362	1.6007	0.68674	1.36E-01	1.11E+01	1.77E-01	3.93E-02	1.15E+01	1.32E-01	4.70E-05	1.77E-02	7.69E-03	1.58E-01	1.48E-01	1.11E+01	1.77E-01	3.93E-02	1.15E+01
5593	477121.49	3849576.08	1.78677	1.06045	1.6176	0.68094	1.36E-01	1.13E+01	1.79E-01	3.89E-02	1.17E+01	1.32E-01	4.78E-05	1.79E-02	7.62E-03	1.58E-01	1.48E-01	1.13E+01	1.79E-01	3.89E-02	1.17E+01
5594	477204.13	3849616.6	1.80134	1.0522	1.6342	0.67487	1.37E-01	1.12E+01	1.81E-01	3.86E-02	1.16E+01	1.33E-01	4.74E-05	1.81E-02	7.55E-03	1.59E-01	1.50E-01	1.12E+01	1.81E-01	3.86E-02	1.16E+01
5595	477286.78	3849657.12	1.86434	1.04563	1.65	0.66856	1.42E-01	1.12E+01	1.82E-01	3.82E-02	1.15E+01	1.38E-01	4.71E-05	1.82E-02	7.48E-03	1.64E-01	1.55E-01	1.12E+01	1.82E-01	3.82E-02	1.15E+01
5596	477369.42	3849697.63	1.7866	1.18633	1.667	0.6618	1.36E-01	1.27E+01	1.84E-01	3.78E-02	1.30E+01	1.32E-01	5.35E-05	1.84E-02	7.41E-03	1.58E-01	1.48E-01	1.27E+01	1.84E-01	3.78E-02	1.30E+01
5597	477452.07	3849738.15	1.78771	1.24103	1.683	0.65486	1.36E-01	1.32E+01	1.86E-01	3.74E-02	1.36E+01	1.32E-01	5.59E-05	1.86E-02	7.33E-03	1.58E-01	1.48E-01	1.32E+01	1.86E-01	3.74E-02	1.36E+01
5598	477534.71	3849778.67	1.71716	1.35122	1.6993	0.64758	1.31E-01	1.44E+01	1.88E-01	3.70E-02	1.48E+01	1.27E-01	6.09E-05	1.88E-02	7.25E-03	1.53E-01	1.43E-01	1.44E+01	1.88E-01	3.70E-02	1.48E+01
5599	477617.36	3849819.18	1.7123	1.39931	1.7148	0.64009	1.31E-01	1.49E+01	1.90E-01	3.66E-02	1.53E+01	1.27E-01	6.31E-05	1.90E-02	7.17E-03	1.53E-01	1.42E-01	1.49E+01	1.90E-01	3.66E-02	1.53E+01
5600	477824.74	3849896.37	1.74037	1.54789	1.7555	0.61084	1.33E-01	1.65E+01	1.94E-01	3.49E-02	1.69E+01	1.29E-01	6.98E-05	1.94E-02	6.84E-03	1.55E-01	1.44E-01	1.65E+01	1.94E-01	3.49E-02	1.69E+01
5601	477906.31	3849936.37	1.83878	1.50148	1.7685	0.60257	1.40E-01	1.60E+01	1.96E-01	3.45E-02	1.64E+01	1.36E-01	6.77E-05	1.96E-02	6.75E-03	1.62E-01	1.53E-01	1.60E+01	1.96E-01	3.45E-02	1.64E+01
5602	477987.89	3849976.36	1.81034	1.56164	1.7822	0.594	1.38E-01	1.67E+01	1.97E-01	3.40E-02	1.70E+01	1.34E-01	7.04E-05	1.97E-02	6.65E-03	1.60E-01	1.50E-01	1.67E+01	1.97E-01	3.40E-02	1.70E+01
5603	478069.47	3850016.36	1.85155	1.52719	1.7947	0.58528	1.41E-01	1.63E+01	1.98E-01	3.35E-02	1.67E+01	1.37E-01	6.88E-05	1.98E-02	6.55E-03	1.64E-01	1.54E-01	1.63E+01	1.98E-01	3.35E-02	1.67E+01
5604	478151.04	3850056.35	1.86968	1.49065	1.807	0.57637	1.43E-01	1.59E+01	2.00E-01	3.30E-02	1.63E+01	1.38E-01	6.72E-05	2.00E-02	6.45E-03	1.65E-01	1.55E-01	1.59E+01	2.00E-01	3.30E-02	1.63E+01
5605	478232.62	3850096.35	1.83696	1.50959	1.8192	0.56726	1.40E-01	1.61E+01	2.01E-01	3.24E-02	1.65E+01	1.36E-01	6.81E-05	2.01E-02	6.35E-03	1.63E-01	1.53E-01	1.61E+01	2.01E-01	3.24E-02	1.65E+01
5606	478314.2	3850136.34	1.9386	1.53091	1.8309	0.55798	1.48E-01	1.63E+01	2.02E-01	3.19E-02	1.67E+01	1.44E-01	6.90E-05	2.02E-02	6.25E-03	1.70E-01	1.61E-01	1.63E+01	2.02E-01	3.19E-02	1.67E+01
5607	478395.77	3850176.34	2.04873	1.54853	1.8422	0.54856	1.56E-01	1.65E+01	2.04E-01	3.14E-02	1.69E+01	1.52E-01	6.98E-05	2.04E-02	6.14E-03	1.78E-01	1.70E-01	1.65E+01	2.04E-01	3.14E-02	1.69E+01
5608	478575.43	3850244.45	2.30624	1.55383	1.8625	0.51979	1.76E-01	1.66E+01	2.06E-01	2.97E-02	1.70E+01	1.71E-01	7.00E-05	2.06E-02	5.82E-03	1.97E-01	1.91E-01	1.66E+01	2.06E-01	2.97E-02	1.70E+01

5609	478665.06	3850287.29	2.37922	1.55172	1.8721	0.50867	1.81E-01	1.66E+01	2.07E-01	2.91E-02	1.70E+01	1.76E-01	6.99E-05	2.07E-02	5.69E-03	2.03E-01	1.98E-01	1.66E+01	2.07E-01	2.91E-02	1.70E+01
5610	478754.69	3850330.14	2.42293	1.54645	1.881	0.49746	1.85E-01	1.65E+01	2.08E-01	2.84E-02	1.69E+01	1.79E-01	6.97E-05	2.08E-02	5.57E-03	2.06E-01	2.01E-01	1.65E+01	2.08E-01	2.84E-02	1.69E+01
5611	478844.32	3850372.99	2.42109	1.54218	1.8891	0.50176	1.85E-01	1.65E+01	2.09E-01	2.87E-02	1.69E+01	1.79E-01	6.95E-05	2.09E-02	5.62E-03	2.06E-01	2.01E-01	1.65E+01	2.09E-01	2.87E-02	1.69E+01
5612	478933.95	3850415.84	2.18027	1.53679	1.8964	0.49777	1.66E-01	1.64E+01	2.10E-01	2.85E-02	1.68E+01	1.61E-01	6.93E-05	2.10E-02	5.57E-03	1.88E-01	1.81E-01	1.64E+01	2.10E-01	2.85E-02	1.68E+01
5613	479023.58	3850458.68	2.42796	1.48475	1.9021	0.54262	1.85E-01	1.58E+01	2.10E-01	3.10E-02	1.63E+01	1.80E-01	6.69E-05	2.10E-02	6.07E-03	2.07E-01	2.02E-01	1.58E+01	2.10E-01	3.10E-02	1.63E+01
5614	479110.66	3850441.91	2.19876	1.39024	1.8852	0.57316	1.68E-01	1.48E+01	2.08E-01	3.28E-02	1.52E+01	1.63E-01	6.27E-05	2.08E-02	6.42E-03	1.90E-01	1.83E-01	1.48E+01	2.08E-01	3.28E-02	1.53E+01
5615	479191.22	3850423.99	2.21661	1.28605	1.8607	0.61932	1.69E-01	1.37E+01	2.06E-01	3.54E-02	1.41E+01	1.64E-01	5.80E-05	2.06E-02	6.93E-03	1.92E-01	1.84E-01	1.37E+01	2.06E-01	3.54E-02	1.41E+01
5616	479274.32	3850465.71	2.24984	1.24746	1.8606	0.63818	1.71E-01	1.33E+01	2.06E-01	3.65E-02	1.37E+01	1.67E-01	5.62E-05	2.06E-02	7.14E-03	1.94E-01	1.87E-01	1.33E+01	2.06E-01	3.65E-02	1.37E+01
5617	479357.43	3850507.42	2.27386	1.19437	1.8592	0.69356	1.73E-01	1.27E+01	2.06E-01	3.97E-02	1.32E+01	1.68E-01	5.38E-05	2.06E-02	7.76E-03	1.97E-01	1.89E-01	1.27E+01	2.06E-01	3.97E-02	1.32E+01
5618	479440.53	3850549.14	2.57686	1.13933	1.8568	0.76102	1.96E-01	1.22E+01	2.05E-01	4.35E-02	1.26E+01	1.91E-01	5.14E-05	2.05E-02	8.52E-03	2.20E-01	2.14E-01	1.22E+01	2.05E-01	4.35E-02	1.26E+01
5619	479523.64	3850590.85	2.62197	1.09635	1.8538	0.80224	2.00E-01	1.17E+01	2.05E-01	4.59E-02	1.22E+01	1.94E-01	4.94E-05	2.05E-02	8.98E-03	2.24E-01	2.18E-01	1.17E+01	2.05E-01	4.59E-02	1.22E+01
5620	479606.74	3850632.57	2.61057	1.06473	1.85	0.81364	1.99E-01	1.14E+01	2.05E-01	4.65E-02	1.18E+01	1.93E-01	4.80E-05	2.05E-02	9.11E-03	2.23E-01	2.17E-01	1.14E+01	2.05E-01	4.65E-02	1.18E+01
5621	479777.37	3850707.61	2.73301	0.98863	1.8315	0.83786	2.08E-01	1.06E+01	2.02E-01	4.79E-02	1.10E+01	2.02E-01	4.46E-05	2.02E-02	9.38E-03	2.32E-01	2.27E-01	1.06E+01	2.02E-01	4.79E-02	1.10E+01
5622	479864.9	3850740.95	2.87687	0.95537	1.8162	0.8145	2.19E-01	1.02E+01	2.01E-01	4.66E-02	1.07E+01	2.13E-01	4.31E-05	2.01E-02	9.12E-03	2.42E-01	2.39E-01	1.02E+01	2.01E-01	4.66E-02	1.07E+01
5623	479931.87	3850829.57	2.78488	0.98963	1.8519	0.76677	2.12E-01	1.06E+01	2.05E-01	4.38E-02	1.10E+01	2.06E-01	4.46E-05	2.05E-02	8.58E-03	2.35E-01	2.31E-01	1.06E+01	2.05E-01	4.38E-02	1.10E+01
5624	479995.55	3850926.75	2.51156	1.05308	1.896	0.6664	1.91E-01	1.12E+01	2.10E-01	3.81E-02	1.17E+01	1.86E-01	4.75E-05	2.10E-02	7.46E-03	2.14E-01	2.09E-01	1.12E+01	2.10E-01	3.81E-02	1.17E+01
5625	480079.78	3850968.64	2.6354	1.03449	1.8901	0.61768	2.01E-01	1.10E+01	2.09E-01	3.53E-02	1.15E+01	1.95E-01	4.66E-05	2.09E-02	6.91E-03	2.23E-01	2.19E-01	1.10E+01	2.09E-01	3.53E-02	1.15E+01
5626	480164.01	3851010.54	2.74609	1.03398	1.883	0.57638	2.09E-01	1.10E+01	2.08E-01	3.30E-02	1.15E+01	2.03E-01	4.66E-05	2.08E-02	6.45E-03	2.31E-01	2.28E-01	1.10E+01	2.08E-01	3.30E-02	1.15E+01
5627	480248.23	3851052.43	2.83975	1.095	1.8748	0.53886	2.16E-01	1.17E+01	2.07E-01	3.08E-02	1.21E+01	2.10E-01	4.94E-05	2.07E-02	6.03E-03	2.37E-01	2.36E-01	1.17E+01	2.07E-01	3.08E-02	1.22E+01
5628	480332.46	3851094.33	2.91575	1.14441	1.8651	0.5233	2.22E-01	1.22E+01	2.06E-01	2.99E-02	1.27E+01	2.16E-01	5.16E-05	2.06E-02	5.86E-03	2.42E-01	2.42E-01	1.22E+01	2.06E-01	2.99E-02	1.27E+01
5629	480416.69	3851136.22	2.97265	1.17323	1.8536	0.53296	2.27E-01	1.25E+01	2.05E-01	3.05E-02	1.30E+01	2.20E-01	5.29E-05	2.05E-02	5.97E-03	2.47E-01	2.47E-01	1.25E+01	2.05E-01	3.05E-02	1.30E+01
5630	480579.95	3851215.17	3.00822	1.20823	1.8263	0.52934	2.29E-01	1.29E+01	2.02E-01	3.03E-02	1.34E+01	2.23E-01	5.45E-05	2.02E-02	5.93E-03	2.49E-01	2.50E-01	1.29E+01	2.02E-01	3.03E-02	1.34E+01
5631	480658.98	3851252.22	2.98399	1.21013	1.8104	0.51983	2.27E-01	1.29E+01	2.00E-01	2.97E-02	1.34E+01	2.21E-01	5.46E-05	2.00E-02	5.82E-03	2.47E-01	2.48E-01	1.29E+01	2.00E-01	2.97E-02	1.34E+01
5632	480817.36	3851327.85	3.27772	1.17113	1.7762	0.5045	2.50E-01	1.25E+01	1.96E-01	2.88E-02	1.30E+01	2.43E-01	5.28E-05	1.96E-02	5.65E-03	2.68E-01	2.72E-01	1.25E+01	1.96E-01	2.88E-02	1.30E+01
5633	480896.72	3851366.43	3.53812	1.13341	1.7579	0.50244	2.70E-01	1.21E+01	1.94E-01	2.87E-02	1.26E+01	2.62E-01	5.11E-05	1.94E-02	5.62E-03	2.87E-01	2.94E-01	1.21E+01	1.94E-01	2.87E-02	1.26E+01
5634	480976.07	3851405	3.79766	1.09565	1.7385	0.49585	2.89E-01	1.17E+01	1.92E-01	2.84E-02	1.22E+01	2.81E-01	4.94E-05	1.92E-02	5.55E-03	3.06E-01	3.15E-01	1.17E+01	1.92E-01	2.84E-02	1.22E+01
5635	481178	3851487.31	4.47504	1.13598	1.6655	0.47954	3.41E-01	1.21E+01	1.84E-01	2.74E-02	1.27E+01	3.31E-01	5.12E-05	1.84E-02	5.37E-03	3.55E-01	3.72E-01	1.21E+01	1.84E-01	2.74E-02	1.27E+01
5636	481244.9	3851557.17	4.56655	1.16913	1.6901	0.47557	3.48E-01	1.25E+01	1.87E-01	2.72E-02	1.30E+01	3.38E-01	5.27E-05	1.87E-02	5.32E-03	3.62E-01	3.79E-01	1.25E+01	1.87E-01	2.72E-02	1.31E+01
5637	481311.81	3851627.03	4.66364	1.19213	1.7148	0.48283	3.55E-01	1.27E+01	1.90E-01	2.76E-02	1.33E+01	3.45E-01	5.37E-05	1.90E-02	5.40E-03	3.70E-01	3.87E-01	1.27E+01	1.90E-01	2.76E-02	1.33E+01
5638	481378.71	3851696.89	4.76542	1.20763	1.7399	0.49008	3.63E-01	1.29E+01	1.92E-01	2.80E-02	1.35E+01	3.53E-01	5.44E-05	1.92E-02	5.49E-03	3.78E-01	3.96E-01	1.29E+01	1.92E-01	2.80E-02	1.35E+01
5639	481445.61	3851766.76	4.86961	1.21994	1.7657	0.49725	3.71E-01	1.30E+01	1.95E-01	2.84E-02	1.36E+01	3.61E-01	5.50E-05	1.95E-02	5.57E-03	3.86E-01	4.04E-01	1.30E+01	1.95E-01	2.84E-02	1.36E+01
5640	481512.51	3851836.62	4.98093	1.2224	1.7917	0.50438	3.80E-01	1.30E+01	1.98E-01	2.88E-02	1.37E+01	3.69E-01	5.51E-05	1.98E-02	5.65E-03	3.94E-01	4.14E-01	1.30E+01	1.98E-01	2.88E-02	1.37E+01
5641	481579.42	3851906.48	5.09702	1.22021	1.8182	0.5114	3.88E-01	1.30E+01	2.01E-01	2.92E-02	1.36E+01	3.77E-01	5.50E-05	2.01E-02	5.72E-03	4.03E-01	4.23E-01	1.30E+01	2.01E-01	2.92E-02	1.37E+01
5642	481646.32	3851976.34	5.21644	1.21713	1.8453	0.51825	3.98E-01	1.30E+01	2.04E-01	2.96E-02	1.36E+01	3.86E-01	5.49E-05	2.04E-02	5.80E-03	4.12E-01	4.33E-01	1.30E+01	2.04E-01	2.96E-02	1.37E+01
5643	481713.22	3852046.2	5.3498	1.1976	1.8722	0.52503	4.08E-01	1.28E+01	2.07E-01	3.00E-02	1.34E+01	3.96E-01	5.40E-05	2.07E-02	5.88E-03	4.23E-01	4.44E-01	1.28E+01	2.07E-01	3.00E-02	1.35E+01
5644	481780.12	3852116.06	5.47455	1.2008	1.901	0.53142	4.17E-01	1.28E+01	2.10E-01	3.04E-02	1.35E+01	4.05E-01	5.41E-05	2.10E-02	5.95E-03	4.32E-01	4.55E-01	1.28E+01	2.10E-01	3.04E-02	1.35E+01
5645	481847.03	3852185.92	5.59701	1.21421	1.9308	0.54938	4.27E-01	1.30E+01	2.13E-01	3.14E-02	1.36E+01	4.14E-01	5.47E-05	2.13E-02	6.15E-03	4.42E-01	4.65E-01	1.30E+01	2.13E-01	3.14E-02	1.37E+01
5646	481913.93	3852255.78	5.71897	1.23171	1.9615	0.5758	4.36E-01	1.31E+01	2.17E-01	3.29E-02	1.38E+01	4.23E-01	5.55E-05	2.17E-02	6.45E-03	4.52E-01	4.75E-01	1.31E+01	2.17E-01	3.29E-02	1.39E+01
5647	481980.83	3852325.65	5.83337	1.25631	1.9934	0.60327	4.45E-01	1.34E+01	2.20E-01	3.45E-02	1.41E+01	4.32E-01	5.66E-05	2.20E-02	6.75E-03	4.61E-01	4.84E-01	1.34E+01	2.20E-01	3.45E-02	1.41E+01
5648	482047.73	3852395.51	5.9707	1.2687	2.0248	0.63108	4.55E-01	1.35E+01	2.24E-01	3.61E-02	1.43E+01	4.42E-01	5.72E-05	2.24E-02	7.06E-03	4.72E-01	4.96E-01	1.35E+01	2.24E-01	3.61E-02	1.43E+01
5649	482114.64	3852465.37	6.09508	1.29106	2.0576	0.65977	4.65E-01	1.38E+01	2.27E-01	3.77E-02	1.45E+01	4.51E-01	5.82E-05	2.27E-02	7.39E-03	4.81E-01	5.06E-01	1.38E+01	2.27E-01	3.77E-02	1.45E+01
5650	482181.54	3852535.23	6.25976	1.31893	2.0896	0.68824	4.77E-01	1.41E+01	2.31E-01	3.94E-02	1.48E+01	4.63E-01	5.95E-05	2.31E-02	7.70E-03	4.94E-01	5.20E-01	1.41E+01	2.31E-01	3.94E-02	1.49E+01
5651	482338.69	3852700.05	6.63838	1.41221	2.1699	0.75547	5.06E-01	1.51E+01	2.40E-01	4.32E-02	1.59E+01	4.91E-01	6.37E-05	2.40E-02	8.46E-03	5.24E-01	5.51E-01	1.51E+01	2.40E-01	4.32E-02	1.59E+01
5652	482404.05	3852767.78	6.81678	1.42204	2.2032	0.78256	5.20E-01	1.52E+01	2.44E-01	4.47E-02	1.60E+01	5.05E-01	6.41E-05	2.44E-02	8.76E-03	5.38E-01	5.66E-01	1.52E+01	2.44E-01	4.47E-02	1.60E+01
5653	482469.4	3852835.52	7.00319	1.41765	2.2372	0.80858	5.34E-01	1.51E+01	2.47E-01	4.62E-02	1.60E+01	5.18E-01	6.39E-05	2.47E-02	9.05E-03	5.52E-01	5.81E-01	1.51E+01	2.47E-01	4.62E-02	1.60E+01
5654	482534.75	3852903.25	7.21765	1.39685	2.2713	0.83288	5.50E-01	1.49E+01	2.51E-01	4.76E-02	1.58E+01	5.34E-01	6.30E-05	2.51E-02	9.32E-03	5.69E-01	5.99E-01	1.49E+01	2.51E-01	4.76E-02	1.58E+01
5655	482600.11	3852970.99	7.42491	1.3958	2.3067	0.85546	5.66E-01	1.49E+01	2.55E-01	4.89E-02	1.58E+01	5.50E-01	6.29E-05	2.55E-02	9.58E-03	5.85E-01	6.16E-01	1.49E+01	2.55E-01	4.89E-02	1.58E+01
5656	482706.71	3853119.28	7.51558	1.41028	2.4223	0.89097	5.73E-01	1.51E+01	2.68E-01	5.09E-02	1.59E+01	5.56E-01	6.36E-05	2.68E-02	9.97E-03	5.93E-01	6.24E-01	1.51E+01	2.68E-01	5.09E-02	1.60E+01
5657	482747.96	3853199.84	7.2455	1.42011	2.5021	0.90673	5.52E-01	1.52E+01	2.77E-01	5.18E-02	1.60E+01	5.36E-01	6.40E-05	2.77E-02	1.02E-02	5.74E-01	6.02E-01	1.52E+01	2.77E-01	5.18E-02	1.61E+01
5658	482789.21	3853280.4	6.8726	1.46737	2.5808	0.92235	5.24E-01	1.57E+01	2.85E-01	5.27E-02	1.65E+01	5.09E-01	6.61E-05	2.85E-02	1.03E-02	5.48E-01	5.71E-01	1.57E+01	2.85E-01	5.27E-02	1.66E+01
5659	482830.46	3853360.96	6.42758	1.53301	2.6572	0.93733	4.90E-01	1.64E+01	2.94E-01	5.36E-02	1.72E+01	4.76E-01	6.91E-05	2.94E-02	1.05E-02	5.16E-01	5.34E-01	1.64E+01	2.94E-01	5.36E-02	1.72E+01
5660	482871.71	3853441.52	6.40285	1.58921	2.7311	0.95165	4.88E-01	1.70E+01	3.02E-01	5.44E-02	1.78E+01	4.74E-01	7.16E-05	3.02E-02	1.07E-02	5.15E-01	5.32E-01	1.70E+01	3.02E-01	5.44E-02	1.78E+01
5661	482912.95	3853522.07	6.54758	1.59145	2.8011	0.96442	4.99E-01	1.70E+01	3.10E-01	5.51E-02	1.78E+01	4.85E-01	7.17E-05	3.10E-02	1.08E-02	5.27E-01	5.44E-01	1.70E+01	3.10E-01	5.51E-02	1.79E+01
5662	482954.2	3853602.63	6.52488	1.58961	2.8677	0.97606	4.97E-01	1.70E+01	3.17E-01	5.58E-02	1.78E+01	4.83E-01	7.17E-05	3.17E-02	1.09E-02	5.26E-01	5.42E-01	1.70E+01	3.17E-01	5.58E-02	1.79E+01
5663	482995.45	3853683.19	6.93463	1.56584	2.9297	0.98563	5.29E-01	1.67E+01	3.24E-01	5.64E-02	1.76E+01	5.13E-01	7.06E-05	3.24E-02	1.10E-02	5.57E-01	5.76E-01	1.67E+01	3.24E-01	5.64E-02	1.77E+01
5664	483036.7	3853763.75	7.22198	1.53972	2.9868	1.00651	5.50E-01	1.64E+01	3.30E-01	5.76E-02	1.74E+01	5.35E-01	6.94E-05	3.30E-02	1.13E-02	5.79E-01	6.00E-01	1.64E+01	3.30E-01	5.76E-02	1.74E+01
5665	483214.2	3853909.91	8.10358	1.31146	3.0607	0.97641	6.18E-01	1.40E+01	3.38E-01	5.58E-02	1.50E+01	6.00E-01	5.91E-05	3.38E-02	1.09E-02	6.45E-01	6.73E-01	1.40E+01	3.38E-01	5.58E-02	1.51E+01
5666	483307.01	3853910.44	8.26765	1.36533	3.0274	0.95668	6.30E-01	1.46E+01	3.35E-01	5.47E-02	1.56E+01	6.12E-01	6.15E-05	3.35E-02	1.07E-02	6.56E-01	6.86E-01	1.46E+01	3.35E-01	5.47E-02	1.56E+01
5667	483399.83	3853910.96	9.78079	1.36281	2.9706	0.93568	7.46E-01	1.45E+01	3.28E-01	5.35E-02	1.57E+01	7.24E-01	6.14E-05	3.28E-02	1.05E-02	7.67E-01	8.12E-01	1.45E+01	3.28E-01	5.35E-02	1.57E+01
5668	483494.52	3854009.24	10.338	1.37157	3.04	0.93501	7.88E-01	1.46E+01	3.36E-01	5.35E-02	1.58E+01	7.65E-01	6.18E-05	3.36E-02	1.05E-02	8.09E-01	8.58E-01	1.46E+01	3.36E-01	5.35E-02	1.59E+01
5669	483496.41	3854106.98	9.2905	1.39339	3.1602	1.00463	7.08E-01	1.49E+01	3.49E-01	5.74E-02	1.60E+01	6.88E-01	6.28E-05	3.49E-02	1.12E-02	7.34E-01	7.71E-01	1.49E+01	3.49E-01	5.74E-02	1.60E+01

5670	483577.56	3854261.96	10.1177	1.29905	3.279	0.98157	7.71E-01	1.39E+01	3.63E-01	5.61E-02	1.51E+01	7.49E-01	5.86E-05	3.63E-02	1.10E-02	7.96E-01	8.40E-01	1.39E+01	3.63E-01	5.61E-02	1.51E+01
5671	483656.83	3854319.19	11.32	1.22526	3.3136	0.96622	8.63E-01	1.31E+01	3.66E-01	5.53E-02	1.44E+01	8.38E-01	5.52E-05	3.66E-02	1.08E-02	8.86E-01	9.40E-01	1.31E+01	3.66E-01	5.53E-02	1.44E+01
5672	483736.1	3854376.41	12.1988	1.15097	3.3488	1.01879	9.30E-01	1.23E+01	3.70E-01	5.83E-02	1.36E+01	9.03E-01	5.19E-05	3.70E-02	1.14E-02	9.52E-01	1.01E+00	1.23E+01	3.70E-01	5.83E-02	1.37E+01
5673	483815.37	3854433.64	12.6874	1.08441	3.3847	1.17675	9.67E-01	1.16E+01	3.74E-01	6.73E-02	1.30E+01	9.39E-01	4.89E-05	3.74E-02	1.32E-02	9.90E-01	1.05E+00	1.16E+01	3.74E-01	6.73E-02	1.31E+01
5674	483894.63	3854490.87	12.743	1.01531	3.4211	1.38167	9.71E-01	1.08E+01	3.78E-01	7.90E-02	1.23E+01	9.43E-01	4.58E-05	3.78E-02	1.55E-02	9.97E-01	1.06E+00	1.08E+01	3.78E-01	7.90E-02	1.24E+01
5675	483973.9	3854548.1	12.5886	0.9494	3.4582	1.55795	9.60E-01	1.01E+01	3.82E-01	8.91E-02	1.16E+01	9.32E-01	4.28E-05	3.82E-02	1.74E-02	9.88E-01	1.05E+00	1.01E+01	3.82E-01	8.91E-02	1.16E+01
5676	484053.17	3854605.32	12.3116	0.91167	3.4964	1.65082	9.38E-01	9.73E+00	3.87E-01	9.44E-02	1.11E+01	9.11E-01	4.11E-05	3.87E-02	1.85E-02	9.69E-01	1.02E+00	9.73E+00	3.87E-01	9.44E-02	1.12E+01
5677	484214.97	3854698.15	12.208	0.85888	3.5444	2.04064	9.31E-01	9.17E+00	3.92E-01	1.17E-01	1.06E+01	9.04E-01	3.87E-05	3.92E-02	2.28E-02	9.66E-01	1.01E+00	9.17E+00	3.92E-01	1.17E-01	1.07E+01
5678	484297.5	3854733.74	14.9468	0.86906	3.5469	2.09272	1.14E+00	9.27E+00	3.92E-01	1.20E-01	1.09E+01	1.11E+00	3.92E-05	3.92E-02	2.34E-02	1.17E+00	1.24E+00	9.27E+00	3.92E-01	1.20E-01	1.10E+01
5679	484380.03	3854769.34	16.3372	0.83818	3.5412	1.89897	1.25E+00	8.94E+00	3.92E-01	1.09E-01	1.07E+01	1.21E+00	3.78E-05	3.92E-02	2.13E-02	1.27E+00	1.36E+00	8.94E+00	3.92E-01	1.09E-01	1.08E+01
5680	484462.56	3854804.94	18.6654	0.84077	3.528	1.83962	1.42E+00	8.97E+00	3.90E-01	1.05E-01	1.09E+01	1.38E+00	3.79E-05	3.90E-02	2.06E-02	1.44E+00	1.55E+00	8.97E+00	3.90E-01	1.05E-01	1.10E+01
5681	484545.09	3854840.53	18.9037	0.80091	3.5057	1.95577	1.44E+00	8.55E+00	3.88E-01	1.12E-01	1.05E+01	1.40E+00	3.61E-05	3.88E-02	2.19E-02	1.46E+00	1.57E+00	8.55E+00	3.88E-01	1.12E-01	1.06E+01
5682	484691.88	3854912.59	18.8387	0.81244	3.4701	1.33245	1.44E+00	8.67E+00	3.84E-01	7.62E-02	1.06E+01	1.39E+00	3.66E-05	3.84E-02	1.49E-02	1.45E+00	1.56E+00	8.67E+00	3.84E-01	7.62E-02	1.07E+01
5683	484830.81	3855012.51	19.9927	0.8345	3.51	1.26603	1.52E+00	8.91E+00	3.88E-01	7.24E-02	1.09E+01	1.48E+00	3.76E-05	3.88E-02	1.42E-02	1.53E+00	1.66E+00	8.91E+00	3.88E-01	7.24E-02	1.10E+01
5684	484905.48	3855075.97	22.5555	0.91267	3.5606	2.6692	1.72E+00	9.74E+00	3.94E-01	1.53E-01	1.20E+01	1.67E+00	4.11E-05	3.94E-02	2.99E-02	1.74E+00	1.87E+00	9.74E+00	3.94E-01	1.53E-01	1.22E+01
5685	484980.14	3855139.44	25.6802	0.96291	3.6122	3.31843	1.96E+00	1.03E+01	3.99E-01	1.90E-01	1.28E+01	1.90E+00	4.34E-05	3.99E-02	3.71E-02	1.98E+00	2.13E+00	1.03E+01	3.99E-01	1.90E-01	1.30E+01
5686	485054.81	3855202.91	27.8713	0.98977	3.6645	3.03314	2.12E+00	1.06E+01	4.05E-01	1.73E-01	1.33E+01	2.06E+00	4.46E-05	4.05E-02	3.40E-02	2.14E+00	2.31E+00	1.06E+01	4.05E-01	1.73E-01	1.35E+01
5687	485129.48	3855266.37	27.2715	0.96963	3.7169	2.24459	2.08E+00	1.03E+01	4.11E-01	1.28E-01	1.30E+01	2.02E+00	4.37E-05	4.11E-02	2.51E-02	2.09E+00	2.26E+00	1.03E+01	4.11E-01	1.28E-01	1.32E+01
5688	485204.15	3855329.84	29.6698	1.03929	3.7732	3.56677	2.26E+00	1.11E+01	4.17E-01	2.04E-01	1.40E+01	2.20E+00	4.68E-05	4.17E-02	3.99E-02	2.28E+00	2.46E+00	1.11E+01	4.17E-01	2.04E-01	1.42E+01
5689	485278.82	3855393.31	30.0355	1.05736	3.8299	3.85104	2.29E+00	1.13E+01	4.23E-01	2.20E-01	1.42E+01	2.22E+00	4.77E-05	4.23E-02	4.31E-02	2.31E+00	2.49E+00	1.13E+01	4.23E-01	2.20E-01	1.44E+01
5690	485353.48	3855456.77	31.3033	1.10391	3.889	3.42969	2.39E+00	1.18E+01	4.30E-01	1.96E-01	1.48E+01	2.32E+00	4.98E-05	4.30E-02	3.84E-02	2.40E+00	2.60E+00	1.18E+01	4.30E-01	1.96E-01	1.50E+01
5691	485428.15	3855520.24	31.2625	1.12231	3.9489	3.60977	2.38E+00	1.20E+01	4.37E-01	2.06E-01	1.50E+01	2.31E+00	5.06E-05	4.37E-02	4.04E-02	2.40E+00	2.60E+00	1.20E+01	4.37E-01	2.06E-01	1.52E+01
5692	485502.82	3855583.71	32.065	1.14968	4.0109	2.93873	2.44E+00	1.23E+01	4.43E-01	1.68E-01	1.53E+01	2.37E+00	5.18E-05	4.43E-02	3.29E-02	2.45E+00	2.66E+00	1.23E+01	4.43E-01	1.68E-01	1.55E+01
5693	485577.49	3855647.17	36.0559	1.22515	4.0759	2.31754	2.75E+00	1.31E+01	4.51E-01	1.33E-01	1.64E+01	2.67E+00	5.52E-05	4.51E-02	2.59E-02	2.74E+00	2.99E+00	1.31E+01	4.51E-01	1.33E-01	1.67E+01
5694	485652.16	3855710.64	39.6803	1.30394	4.143	2.12155	3.02E+00	1.39E+01	4.58E-01	1.21E-01	1.75E+01	2.94E+00	5.88E-05	4.58E-02	2.37E-02	3.01E+00	3.29E+00	1.39E+01	4.58E-01	1.21E-01	1.78E+01
5695	485726.83	3855774.11	42.0013	1.33035	4.2107	2.77853	3.20E+00	1.42E+01	4.66E-01	1.59E-01	1.80E+01	3.11E+00	6.00E-05	4.66E-02	3.11E-02	3.19E+00	3.49E+00	1.42E+01	4.66E-01	1.59E-01	1.83E+01
5696	485801.49	3855837.57	39.615	1.31763	4.2796	2.74873	3.02E+00	1.41E+01	4.73E-01	1.57E-01	1.77E+01	2.93E+00	5.94E-05	4.73E-02	3.08E-02	3.01E+00	3.29E+00	1.41E+01	4.73E-01	1.57E-01	1.80E+01
5697	485876.16	3855901.04	41.734	1.32004	4.3511	2.86412	3.18E+00	1.41E+01	4.81E-01	1.64E-01	1.79E+01	3.09E+00	5.95E-05	4.81E-02	3.21E-02	3.17E+00	3.46E+00	1.41E+01	4.81E-01	1.64E-01	1.82E+01
5698	485950.83	3855964.5	39.5683	1.29716	4.4238	2.51715	3.02E+00	1.38E+01	4.89E-01	1.44E-01	1.75E+01	2.93E+00	5.85E-05	4.89E-02	2.82E-02	3.01E+00	3.28E+00	1.38E+01	4.89E-01	1.44E-01	1.78E+01
5699	486025.5	3856027.97	37.5023	1.30358	4.4976	2.58783	2.86E+00	1.39E+01	4.97E-01	1.48E-01	1.74E+01	2.78E+00	5.88E-05	4.97E-02	2.90E-02	2.86E+00	3.11E+00	1.39E+01	4.97E-01	1.48E-01	1.77E+01
5700	486100.17	3856091.44	42.4844	1.43872	4.5774	2.21596	3.24E+00	1.54E+01	5.06E-01	1.27E-01	1.92E+01	3.15E+00	6.49E-05	5.06E-02	2.48E-02	3.22E+00	3.53E+00	1.54E+01	5.06E-01	1.27E-01	1.95E+01
5701	486174.83	3856154.9	38.8875	1.40574	4.6541	1.99334	2.96E+00	1.50E+01	5.15E-01	1.14E-01	1.86E+01	2.88E+00	6.34E-05	5.15E-02	2.23E-02	2.95E+00	3.23E+00	1.50E+01	5.15E-01	1.14E-01	1.89E+01
5702	486249.5	3856218.37	31.8962	1.33269	4.7299	1.97177	2.43E+00	1.42E+01	5.23E-01	1.13E-01	1.73E+01	2.36E+00	6.01E-05	5.23E-02	2.21E-02	2.44E+00	2.65E+00	1.42E+01	5.23E-01	1.13E-01	1.75E+01
5703	486324.17	3856281.84	29.1264	1.33348	4.8082	2.53964	2.22E+00	1.42E+01	5.32E-01	1.45E-01	1.71E+01	2.16E+00	6.01E-05	5.32E-02	2.84E-02	2.24E+00	2.42E+00	1.42E+01	5.32E-01	1.45E-01	1.73E+01
5704	486398.84	3856345.3	29.751	1.42002	4.8916	2.67631	2.27E+00	1.52E+01	5.41E-01	1.53E-01	1.81E+01	2.20E+00	6.40E-05	5.41E-02	3.00E-02	2.29E+00	2.47E+00	1.52E+01	5.41E-01	1.53E-01	1.83E+01
5705	486473.51	3856408.77	29.4719	1.48149	4.9747	2.9202	2.25E+00	1.58E+01	5.50E-01	1.67E-01	1.88E+01	2.18E+00	6.68E-05	5.50E-02	3.27E-02	2.27E+00	2.45E+00	1.58E+01	5.50E-01	1.67E-01	1.90E+01
5706	486548.17	3856472.24	30.4829	1.57541	5.0593	2.94438	2.32E+00	1.68E+01	5.59E-01	1.68E-01	1.99E+01	2.26E+00	7.10E-05	5.59E-02	3.30E-02	2.35E+00	2.53E+00	1.68E+01	5.59E-01	1.68E-01	2.01E+01
5707	486622.84	3856535.7	32.5885	1.67455	5.1432	2.84182	2.48E+00	1.79E+01	5.69E-01	1.63E-01	2.11E+01	2.41E+00	7.55E-05	5.69E-02	3.18E-02	2.50E+00	2.71E+00	1.79E+01	5.69E-01	1.63E-01	2.13E+01
5708	486765.48	3856659.69	38.804	1.88788	5.3268	2.55637	2.96E+00	2.01E+01	5.89E-01	1.46E-01	2.38E+01	2.87E+00	8.51E-05	5.89E-02	2.86E-02	2.96E+00	3.22E+00	2.01E+01	5.89E-01	1.46E-01	2.41E+01
5709	486833.44	3856720.2	41.7395	1.96826	5.4257	2.45883	3.18E+00	2.10E+01	6.00E-01	1.41E-01	2.49E+01	3.09E+00	8.87E-05	6.00E-02	2.75E-02	3.18E+00	3.47E+00	2.10E+01	6.00E-01	1.41E-01	2.52E+01
5710	486901.41	3856780.72	43.1668	2.04655	5.5235	2.29918	3.29E+00	2.18E+01	6.11E-01	1.31E-01	2.59E+01	3.20E+00	9.23E-05	6.11E-02	2.57E-02	3.28E+00	3.58E+00	2.18E+01	6.11E-01	1.31E-01	2.62E+01
5711	486969.38	3856841.24	44.0051	2.08171	5.6163	2.10137	3.35E+00	2.22E+01	6.21E-01	1.20E-01	2.63E+01	3.26E+00	9.38E-05	6.21E-02	2.35E-02	3.34E+00	3.65E+00	2.22E+01	6.21E-01	1.20E-01	2.66E+01
5712	487037.34	3856901.75	44.4964	2.13292	5.7018	1.94576	3.39E+00	2.28E+01	6.30E-01	1.11E-01	2.69E+01	3.29E+00	9.61E-05	6.30E-02	2.18E-02	3.38E+00	3.69E+00	2.28E+01	6.30E-01	1.11E-01	2.72E+01
5713	487271.23	3856855.51	29.9374	2.15675	4.193	1.80829	2.28E+00	2.30E+01	4.64E-01	1.03E-01	2.59E+01	2.22E+00	9.72E-05	4.64E-02	2.02E-02	2.28E+00	2.49E+00	2.30E+01	4.64E-01	1.03E-01	2.61E+01
5714	487368.96	3856857.29	27.2772	2.17174	5.7696	1.71679	2.08E+00	2.32E+01	6.38E-01	9.82E-02	2.60E+01	2.02E+00	9.79E-05	6.38E-02	1.92E-02	2.10E+00	2.26E+00	2.32E+01	6.38E-01	9.82E-02	2.62E+01
5715	487466.68	3856859.06	24.6706	2.21403	7.484	1.61382	1.88E+00	2.36E+01	8.27E-01	9.23E-02	2.64E+01	1.83E+00	9.98E-05	8.27E-02	1.81E-02	1.93E+00	2.05E+00	2.36E+01	8.27E-01	9.23E-02	2.66E+01
5716	487636.44	3856930	18.5617	2.2907	9.8073	1.34441	1.41E+00	2.44E+01	1.08E+00	7.69E-02	2.70E+01	1.37E+00	1.03E-04	1.08E-01	1.50E-02	1.50E+00	1.54E+00	2.44E+01	1.08E+00	7.69E-02	2.71E+01
5717	487709.57	3856928.43	17.2605	2.32849	10.256	1.28301	1.32E+00	2.48E+01	1.13E+00	7.34E-02	2.74E+01	1.28E+00	1.05E-04	1.13E-01	1.44E-02	1.41E+00	1.43E+00	2.48E+01	1.13E+00	7.34E-02	2.75E+01
5718	487782.55	3856841.96	17.1789	2.25009	9.4601	1.31746	1.31E+00	2.40E+01	1.05E+00	7.53E-02	2.64E+01	1.27E+00	1.01E-04	1.05E-01	1.47E-02	1.39E+00	1.43E+00	2.40E+01	1.05E+00	7.53E-02	2.66E+01
5719	487849.83	3856754.74	17.1091	2.17171	7.9425	1.2828	1.30E+00	2.32E+01	8.78E-01	7.34E-02	2.54E+01	1.27E+00	9.79E-05	8.78E-02	1.44E-02	1.37E+00	1.42E+00	2.32E+01	8.78E-01	7.34E-02	2.55E+01
5720	487918.03	3856819.39	15.2483	2.29433	7.1585	1.17126	1.16E+00	2.45E+01	7.91E-01	6.70E-02	2.65E+01	1.13E+00	1.03E-04	7.91E-02	1.31E-02	1.22E+00	1.27E+00	2.45E+01	7.91E-01	6.70E-02	2.66E+01
5721	487918.8	3856886.37	14.7939	2.37861	7.5994	1.14089	1.13E+00	2.54E+01	8.40E-01	6.52E-02	2.74E+01	1.10E+00	1.07E-04	8.40E-02	1.28E-02	1.19E+00	1.23E+00	2.54E+01	8.40E-01	6.52E-02	2.75E+01
5722	488065.47	3857127.51	11.6757	2.63557	5.1212	0.8057	8.90E-01	2.81E+01	5.66E-01	4.61E-02	2.96E+01	8.64E-01	1.19E-04	5.66E-02	9.02E-03	9.30E-01	9.69E-01	2.81E+01	5.66E-01	4.61E-02	2.97E+01
5723	488192.19	3857385.84	11.6805	2.98739	7.4399	0.8871	8.90E-01	3.19E+01	8.23E-01	5.07E-02	3.36E+01	8.65E-01	1.35E-04	8.23E-02	9.93E-03	9.57E-01	9.70E-01	3.19E+01	8.23E-01	5.07E-02	3.37E+01
5724	488191.22	3857473.87	12.6918	3.03625	8.8307	0.9696	9.67E-01	3.24E+01	9.76E-01	5.54E-02	3.44E+01	9.40E-01	1.37E-04	9.76E-02	1.09E-02	1.05E+00	1.05E+00	3.24E+01	9.76E-01	5.54E-02	3.45E+01
5725	488190.24	3857561.91	12.8762	3.08347	10.188	1.05184	9.81E-01	3.29E+01	1.13E+00	6.01E-02	3.51E+01	9.53E-01	1.39E-04	1.13E-01	1.18E-02	1.08E+00	1.07E+00	3.29E+01	1.13E+00	6.01E-02	3.52E+01
5726	488158.35	3857691.13	11.8494	3.54441	14.532	1.54208	9.03E-01	3.78E+01	1.61E+00	8.82E-02	4.04E+01	8.77E-01	1.60E-04	1.61E-01	1.73E-02	1.06E+00	9.84E-01	3.78E+01	1.61E+00	8.82E-02	4.05E+01
5727	488208.37	3857816.66	8.86339	4.02205	20.046	1.71587	6.76E-01	4.29E+01	2.22E+00	9.81E-02	4.59E+01	6.56E-01	1.81E-04	2.22E-01	1.92E-02	8.97E-01	7.36E-01	4.29E+01	2.22E+00	9.81E-02	4.60E+01
5728	488271.97	3857874.6	8.07594	4.29805	22.621	1.44797	6.16E-01	4.59E+01	2.50E+00	8.28E-02	4.91E+01	5.98E-01	1.94E-04	2.50E-01	1.62E-02	8.64E-01	6.70E-01	4.59E+01	2.50E+00	8.28E-02	4.91E+01
5729	488463.56	3857942.31	8.18354	4.36199	30.746	1.57559	6.24E-01	4.65E+01	3.40E+00	9.01E-02	5.07E+01	6.06E-01	1.97E-04	3.40E-01	1.76E-02	9.64E-01	6.79E-01	4.66E+01	3.40E+00	9.01E-02	5.07E+01
5730	488554.83	3857940.83	8.98193	3.96013	28.463	1.63956	6.85E-01	4.23E+01	3.15E+00	9.38E-02	4.62E+01	6.65E-01	1.79E-04	3.15E-01	1.84E-02	9.98E-01	7.46E-01	4.23E+01	3.15E+00	9.38E-02	4.62E+01

5731	488646.1	3857939.36	9.44653	3.60694	24.439	1.51077	7.20E-01	3.85E+01	2.70E+00	8.64E-02	4.20E+01	6.99E-01	1.63E-04	2.70E-01	1.69E-02	9.87E-01	7.84E-01	3.85E+01	2.70E+00	8.64E-02	4.21E+01
5732	488737.37	3857937.88	9.60773	3.393	20.485	1.37487	7.32E-01	3.62E+01	2.26E+00	7.86E-02	3.93E+01	7.11E-01	1.53E-04	2.26E-01	1.54E-02	9.53E-01	7.98E-01	3.62E+01	2.26E+00	7.86E-02	3.94E+01
5733	488733.59	3857960.57	9.4202	3.45249	20.935	1.37398	7.18E-01	3.68E+01	2.31E+00	7.86E-02	4.00E+01	6.97E-01	1.56E-04	2.31E-01	1.54E-02	9.44E-01	7.82E-01	3.68E+01	2.31E+00	7.86E-02	4.00E+01
5734	488638.09	3857961.57	9.09591	3.67397	26.232	1.46804	6.93E-01	3.92E+01	2.90E+00	8.39E-02	4.29E+01	6.73E-01	1.66E-04	2.90E-01	1.64E-02	9.80E-01	7.55E-01	3.92E+01	2.90E+00	8.39E-02	4.29E+01
5735	488542.6	3857962.56	8.43448	4.08564	32.756	1.65384	6.43E-01	4.36E+01	3.62E+00	9.46E-02	4.80E+01	6.24E-01	1.84E-04	3.62E-01	1.85E-02	1.01E+00	7.00E-01	4.36E+01	3.62E+00	9.46E-02	4.80E+01
5736	488447.1	3857963.56	7.44775	4.49666	38.898	1.63128	5.68E-01	4.80E+01	4.30E+00	9.33E-02	5.29E+01	5.51E-01	2.03E-04	4.30E-01	1.83E-02	1.00E+00	6.18E-01	4.80E+01	4.30E+00	9.33E-02	5.30E+01
5737	488254.28	3857890.36	8.65028	4.34961	23.717	1.46392	6.59E-01	4.64E+01	2.62E+00	8.37E-02	4.98E+01	6.40E-01	1.96E-04	2.62E-01	1.64E-02	9.19E-01	7.18E-01	4.64E+01	2.62E+00	8.37E-02	4.98E+01
5738	488191.69	3857833.06	8.77972	4.0523	21.451	1.73679	6.69E-01	4.32E+01	2.37E+00	9.93E-02	4.64E+01	6.50E-01	1.83E-04	2.37E-01	1.94E-02	9.07E-01	7.29E-01	4.32E+01	2.37E+00	9.93E-02	4.64E+01
5739	488129.5	3857907.43	10.6535	4.25606	19.192	1.80614	8.12E-01	4.54E+01	2.12E+00	1.03E-01	4.85E+01	7.89E-01	1.92E-04	2.12E-01	2.02E-02	1.02E+00	8.84E-01	4.54E+01	2.12E+00	1.03E-01	4.85E+01
5740	488196.47	3857968.74	10.2284	4.57754	23.352	1.47436	7.80E-01	4.89E+01	2.58E+00	8.43E-02	5.23E+01	7.57E-01	2.06E-04	2.58E-01	1.65E-02	1.03E+00	8.49E-01	4.89E+01	2.58E+00	8.43E-02	5.24E+01
5741	488263.44	3858030.04	9.8289	4.83762	64.986	1.49348	7.49E-01	5.16E+01	7.18E+00	8.54E-02	5.96E+01	7.28E-01	2.18E-04	7.18E-01	1.67E-02	1.46E+00	8.16E-01	5.16E+01	7.18E+00	8.54E-02	5.97E+01
5742	488400.64	3858132.9	9.04475	5.13832	47.019	1.62543	6.89E-01	5.48E+01	5.20E+00	9.29E-02	6.08E+01	6.70E-01	2.32E-04	5.20E-01	1.82E-02	1.21E+00	7.51E-01	5.48E+01	5.20E+00	9.29E-02	6.09E+01
5743	488519.89	3858218.38	8.33968	5.14085	31.483	1.43889	6.36E-01	5.49E+01	3.48E+00	8.23E-02	5.91E+01	6.17E-01	2.32E-04	3.48E-01	1.61E-02	9.82E-01	6.92E-01	5.49E+01	3.48E+00	8.23E-02	5.91E+01
5744	488647.97	3858214.99	7.34934	4.51894	23.371	1.16225	5.60E-01	4.82E+01	2.58E+00	6.65E-02	5.14E+01	5.44E-01	2.04E-04	2.58E-01	1.30E-02	8.16E-01	6.10E-01	4.82E+01	2.58E+00	6.65E-02	5.15E+01
5745	488727.05	3858167.67	5.94623	4.17513	16.67	1.18231	4.53E-01	4.46E+01	1.84E+00	6.76E-02	4.69E+01	4.40E-01	1.88E-04	1.84E-01	1.32E-02	6.38E-01	4.94E-01	4.46E+01	1.84E+00	6.76E-02	4.70E+01
5746	488806.12	3858120.35	7.3217	3.85154	16.936	1.19211	5.58E-01	4.11E+01	1.87E+00	6.82E-02	4.36E+01	5.42E-01	1.74E-04	1.87E-01	1.33E-02	7.43E-01	6.08E-01	4.11E+01	1.87E+00	6.82E-02	4.37E+01
5747	488885.2	3858073.03	8.54607	3.60587	16.018	1.19037	6.51E-01	3.85E+01	1.77E+00	6.81E-02	4.10E+01	6.33E-01	1.63E-04	1.77E-01	1.33E-02	8.23E-01	7.10E-01	3.85E+01	1.77E+00	6.81E-02	4.10E+01
5748	489055.76	3857991.18	8.81331	3.50468	11.604	1.23166	6.72E-01	3.74E+01	1.28E+00	7.04E-02	3.94E+01	6.52E-01	1.58E-04	1.28E-01	1.38E-02	7.95E-01	7.32E-01	3.74E+01	1.28E+00	7.04E-02	3.95E+01
5749	489245.39	3857944.55	7.76246	3.33025	9.5673	1.2833	5.92E-01	3.55E+01	1.06E+00	7.34E-02	3.73E+01	5.75E-01	1.50E-04	1.06E-01	1.44E-02	6.95E-01	6.44E-01	3.55E+01	1.06E+00	7.34E-02	3.73E+01
5750	489430.63	3857930.91	7.38734	3.21791	8.4403	1.06844	5.63E-01	3.43E+01	9.33E-01	6.11E-02	3.59E+01	5.47E-01	1.45E-04	9.33E-02	1.20E-02	6.52E-01	6.13E-01	3.43E+01	9.33E-01	6.11E-02	3.59E+01
5751	489517.74	3857929.36	7.15876	3.10697	8.1814	1.02729	5.46E-01	3.32E+01	9.05E-01	5.87E-02	3.47E+01	5.30E-01	1.40E-04	9.05E-02	1.15E-02	6.32E-01	5.94E-01	3.32E+01	9.05E-01	5.87E-02	3.47E+01
5752	489604.86	3857927.82	6.8953	2.90269	8.4415	1.09368	5.26E-01	3.10E+01	9.33E-01	6.25E-02	3.25E+01	5.10E-01	1.31E-04	9.33E-02	1.22E-02	6.16E-01	5.72E-01	3.10E+01	9.33E-01	6.25E-02	3.25E+01
5753	489691.97	3857926.28	6.59048	2.66684	8.6092	1.15263	5.02E-01	2.85E+01	9.52E-01	6.59E-02	3.00E+01	4.88E-01	1.20E-04	9.52E-02	1.29E-02	5.96E-01	5.47E-01	2.85E+01	9.52E-01	6.59E-02	3.00E+01
5754	489779.08	3857924.73	6.26935	2.47679	8.7056	1.19514	4.78E-01	2.64E+01	9.62E-01	6.83E-02	2.79E+01	4.64E-01	1.12E-04	9.62E-02	1.34E-02	5.74E-01	5.20E-01	2.64E+01	9.62E-01	6.83E-02	2.80E+01
5755	490017.55	3857875.09	5.06616	2.24077	8.6551	1.18018	3.86E-01	2.39E+01	9.57E-01	6.75E-02	2.53E+01	3.75E-01	1.01E-04	9.57E-02	1.32E-02	4.84E-01	4.21E-01	2.39E+01	9.57E-01	6.75E-02	2.54E+01
5756	490033.82	3857960.81	5.51647	2.2982	8.6345	1.1896	4.20E-01	2.45E+01	9.55E-01	6.80E-02	2.60E+01	4.08E-01	1.04E-04	9.55E-02	1.33E-02	5.17E-01	4.58E-01	2.45E+01	9.55E-01	6.80E-02	2.60E+01
5757	489959.15	3857987.49	5.91367	2.37045	8.5519	1.2201	4.51E-01	2.53E+01	9.46E-01	6.98E-02	2.68E+01	4.38E-01	1.07E-04	9.46E-02	1.37E-02	5.46E-01	4.91E-01	2.53E+01	9.46E-01	6.98E-02	2.68E+01
5758	489791.49	3858016.12	6.6067	2.54875	8.3521	1.22954	5.04E-01	2.72E+01	9.23E-01	7.03E-02	2.87E+01	4.89E-01	1.15E-04	9.23E-02	1.38E-02	5.95E-01	5.48E-01	2.72E+01	9.23E-01	7.03E-02	2.87E+01
5759	489698.51	3858018.07	6.86103	2.65372	8.2514	1.1962	5.23E-01	2.83E+01	9.12E-01	6.84E-02	2.98E+01	5.08E-01	1.20E-04	9.12E-02	1.34E-02	6.13E-01	5.70E-01	2.83E+01	9.12E-01	6.84E-02	2.99E+01
5760	489605.52	3858020.02	7.0644	2.92672	8.0728	1.13632	5.38E-01	3.12E+01	8.93E-01	6.50E-02	3.27E+01	5.23E-01	1.32E-04	8.93E-02	1.27E-02	6.25E-01	5.86E-01	3.12E+01	8.93E-01	6.50E-02	3.28E+01
5761	489512.53	3858021.96	7.20161	3.19665	8.2602	1.0583	5.49E-01	3.41E+01	9.13E-01	6.05E-02	3.56E+01	5.33E-01	1.44E-04	9.13E-02	1.18E-02	6.36E-01	5.98E-01	3.41E+01	9.13E-01	6.05E-02	3.57E+01
5762	489419.55	3858023.91	7.26886	3.39854	8.8171	1.04188	5.54E-01	3.63E+01	9.75E-01	5.96E-02	3.79E+01	5.38E-01	1.53E-04	9.75E-02	1.17E-02	6.47E-01	6.03E-01	3.63E+01	9.75E-01	5.96E-02	3.79E+01
5763	489228.47	3858041.29	8.29292	3.49143	9.912	1.30404	6.32E-01	3.73E+01	1.10E+00	7.46E-02	3.91E+01	6.14E-01	1.57E-04	1.10E-01	1.46E-02	7.38E-01	6.88E-01	3.73E+01	1.10E+00	7.46E-02	3.91E+01
5764	489065.75	3858085.78	8.74126	3.62085	13.317	1.34111	6.66E-01	3.86E+01	1.47E+00	7.67E-02	4.09E+01	6.47E-01	1.63E-04	1.47E-01	1.50E-02	8.10E-01	7.26E-01	3.86E+01	1.47E+00	7.67E-02	4.09E+01
5765	489001.12	3858114.86	8.4726	3.6395	14.243	1.29597	6.46E-01	3.88E+01	1.57E+00	7.41E-02	4.11E+01	6.27E-01	1.64E-04	1.57E-01	1.45E-02	7.99E-01	7.03E-01	3.88E+01	1.57E+00	7.41E-02	4.12E+01
5766	488861.89	3858189.81	6.47483	4.04057	15.526	1.16821	4.94E-01	4.31E+01	1.72E+00	6.68E-02	4.54E+01	4.79E-01	1.82E-04	1.72E-01	1.31E-02	6.64E-01	5.38E-01	4.31E+01	1.72E+00	6.68E-02	4.54E+01
5767	488787.29	3858235.69	6.12021	4.39321	16.599	1.19222	4.66E-01	4.69E+01	1.84E+00	6.82E-02	4.93E+01	4.53E-01	1.98E-04	1.84E-01	1.33E-02	6.50E-01	5.08E-01	4.69E+01	1.84E+00	6.82E-02	4.93E+01
5768	488712.68	3858281.57	7.30506	4.68397	20.957	1.1628	5.57E-01	5.00E+01	2.32E+00	6.65E-02	5.29E+01	5.41E-01	2.11E-04	2.32E-01	1.30E-02	7.86E-01	6.06E-01	5.00E+01	2.32E+00	6.65E-02	5.30E+01
5769	488654.39	3858436.17	7.36378	5.52077	14.706	1.18461	5.61E-01	5.89E+01	1.63E+00	6.77E-02	6.12E+01	5.45E-01	2.49E-04	1.63E-01	1.33E-02	7.21E-01	6.11E-01	5.89E+01	1.63E+00	6.77E-02	6.12E+01
5770	488726.31	3858505.26	7.10091	5.58962	11.668	1.2815	5.41E-01	5.97E+01	1.29E+00	7.33E-02	6.16E+01	5.26E-01	2.52E-04	1.29E-01	1.43E-02	6.69E-01	5.90E-01	5.97E+01	1.29E+00	7.33E-02	6.16E+01
5771	488880.6	3858599.28	6.62119	6.28308	8.4487	1.37008	5.05E-01	6.71E+01	9.34E-01	7.83E-02	6.86E+01	4.90E-01	2.83E-04	9.34E-02	1.53E-02	5.99E-01	5.50E-01	6.71E+01	9.34E-01	7.83E-02	6.86E+01
5772	489008.06	3858714.75	6.15584	7.45391	7.7289	1.5305	4.69E-01	7.95E+01	8.55E-01	8.75E-02	8.10E+01	4.56E-01	3.36E-04	8.55E-02	1.71E-02	5.59E-01	5.11E-01	7.95E+01	8.55E-01	8.75E-02	8.10E+01
5773	489071.48	3858772.72	5.95192	8.23704	7.6318	1.41117	4.54E-01	8.79E+01	8.44E-01	8.07E-02	8.93E+01	4.41E-01	3.71E-04	8.44E-02	1.58E-02	5.41E-01	4.94E-01	8.79E+01	8.44E-01	8.07E-02	8.93E+01
5774	489244.6	3858920.2	5.49714	10.0577	7.2381	0.96387	4.19E-01	1.07E+02	8.00E-01	5.51E-02	1.09E+02	4.07E-01	4.53E-04	8.00E-02	1.08E-02	4.98E-01	4.56E-01	1.07E+02	8.00E-01	5.51E-02	1.09E+02
5775	489239.69	3858952.23	5.52739	10.5079	7.0905	0.98577	4.21E-01	1.12E+02	7.84E-01	5.64E-02	1.13E+02	4.09E-01	4.74E-04	7.84E-02	1.10E-02	4.99E-01	4.59E-01	1.12E+02	7.84E-01	5.64E-02	1.13E+02
5776	489121.67	3858854.49	5.84535	9.6822	7.3705	1.10785	4.46E-01	1.03E+02	8.15E-01	6.34E-02	1.05E+02	4.33E-01	4.36E-04	8.15E-02	1.24E-02	5.27E-01	4.85E-01	1.03E+02	8.15E-01	6.34E-02	1.05E+02
5777	489059.59	3858797.27	6.01964	8.77394	7.5264	1.42239	4.59E-01	9.36E+01	8.32E-01	8.13E-02	9.50E+01	4.46E-01	3.96E-04	8.32E-02	1.59E-02	5.45E-01	5.00E-01	9.36E+01	8.32E-01	8.13E-02	9.50E+01
5778	488997.52	3858740.04	6.20604	7.8394	7.6587	1.54696	4.73E-01	8.37E+01	8.47E-01	8.85E-02	8.51E+01	4.59E-01	3.53E-04	8.47E-02	1.73E-02	5.62E-01	5.15E-01	8.37E+01	8.47E-01	8.85E-02	8.51E+01
5779	488935.44	3858682.82	6.38601	7.12927	7.7333	1.45786	4.87E-01	7.61E+01	8.55E-01	8.34E-02	7.75E+01	4.73E-01	3.21E-04	8.55E-02	1.63E-02	5.75E-01	5.30E-01	7.61E+01	8.55E-01	8.34E-02	7.76E+01
5780	488869.17	3858848.43	6.49657	11.0204	5.2776	1.52872	4.95E-01	1.18E+02	5.83E-01	8.74E-02	1.19E+02	4.81E-01	4.97E-04	5.83E-02	1.71E-02	5.57E-01	5.39E-01	1.18E+02	5.83E-01	8.74E-02	1.19E+02
5781	488932.48	3858892.69	6.23809	11.8491	5.4586	1.61082	4.75E-01	1.26E+02	6.04E-01	9.21E-02	1.28E+02	4.62E-01	5.34E-04	6.04E-02	1.80E-02	5.41E-01	5.18E-01	1.26E+02	6.04E-01	9.21E-02	1.28E+02
5782	489063.27	3858977.17	5.8922	12.2788	5.7802	1.13791	4.49E-01	1.31E+02	6.39E-01	6.51E-02	1.32E+02	4.36E-01	5.54E-04	6.39E-02	1.27E-02	5.13E-01	4.89E-01	1.31E+02	6.39E-01	6.51E-02	1.32E+02
5783	489248.2	3859117.15	5.40745	10.9229	5.7237	0.9805	4.12E-01	1.17E+02	6.33E-01	5.61E-02	1.18E+02	4.00E-01	4.92E-04	6.33E-02	1.10E-02	4.75E-01	4.49E-01	1.17E+02	6.33E-01	5.61E-02	1.18E+02
5784	489296.25	3859049.22	5.3683	10.7635	6.6114	0.98311	4.09E-01	1.15E+02	7.31E-01	5.62E-02	1.16E+02	3.97E-01	4.85E-04	7.31E-02	1.10E-02	4.82E-01	4.46E-01	1.15E+02	7.31E-01	5.62E-02	1.16E+02
5785	489353.38	3858993.97	5.27992	10.1611	6.9962	0.98527	4.02E-01	1.08E+02	7.74E-01	5.63E-02	1.10E+02	3.91E-01	4.58E-04	7.74E-02	1.10E-02	4.80E-01	4.38E-01	1.08E+02	7.74E-01	5.63E-02	1.10E+02
5786	489537.25	3859120.22	4.99832	9.13552	6.5932	1.00505	3.81E-01	9.75E+01	7.29E-01	5.75E-02	9.87E+01	3.70E-01	4.12E-04	7.29E-02	1.13E-02	4.55E-01	4.15E-01	9.75E+01	7.29E-01	5.75E-02	9.87E+01
5787	489726.98	3859246.04	4.7238	7.71797	6.1865	0.9846	3.60E-01	8.24E+01	6.84E-01	5.63E-02	8.35E+01	3.50E-01	3.48E-04	6.84E-02	1.10E-02	4.29E-01	3.92E-01	8.24E+01	6.84E-01	5.63E-02	8.35E+01
5788	489911.46	3859366.33	4.49279	6.50289	5.8454	0.94584	3.42E-01	6.94E+01	6.46E-01	5.41E-02	7.04E+01	3.33E-01	2.93E-04	6.46E-02	1.06E-02	4.08E-01	3.73E-01	6.94E+01	6.46E-01	5.41E-02	7.05E+01
5789	490035.3	3859430.26	4.34021	6.24073	5.5763	0.94575	3.31E-01	6.66E+01	6.17E-01	5.41E-02	6.76E+01	3.21E-01	2.81E-04	6.17E-02	1.06E-02	3.94E-01	3.60E-01	6.66E+01	6.17E-01	5.41E-02	6.76E+01
5790	490101.11	3859458.61	4.27647	6.05291	5.447	0.94916	3.26E-01	6.46E+01	6.02E-01	5.43E-02	6.56E+01	3.17E-01	2.73E-04	6.02E-02	1.06E-02	3.88E-01	3.55E-01	6.46E+01	6.02E-01	5.43E-02	6.56E+01
5791	490312.68	3859560.3	4.02258	5.55386	5.0347	0.96305	3.07E-01	5.93E+01	5.57E-01	5.51E-02	6.02E+01	2.98E-01	2.50E-04	5.57E-02	1.08E-02	3.64E-01	3.34E-01	5.93E+01	5.57E-01	5.51E-02	6.02E+01

5792	490401.63	3859603.12	3.91261	5.42446	4.9099	0.96145	2.98E-01	5.79E+01	5.43E-01	5.50E-02	5.88E+01	2.90E-01	2.45E-04	5.43E-02	1.08E-02	3.55E-01	3.25E-01	5.79E+01	5.43E-01	5.50E-02	5.88E+01
5793	490490.57	3859645.94	3.80077	5.30431	4.9579	0.96386	2.90E-01	5.66E+01	5.48E-01	5.51E-02	5.75E+01	2.81E-01	2.39E-04	5.48E-02	1.08E-02	3.47E-01	3.16E-01	5.66E+01	5.48E-01	5.51E-02	5.75E+01
5794	490579.51	3859688.76	3.69197	5.17309	5.0041	0.96347	2.81E-01	5.52E+01	5.53E-01	5.51E-02	5.61E+01	2.73E-01	2.33E-04	5.53E-02	1.08E-02	3.40E-01	3.07E-01	5.52E+01	5.53E-01	5.51E-02	5.61E+01
5795	490668.45	3859731.58	3.59034	4.97298	5.0588	0.94658	2.74E-01	5.31E+01	5.59E-01	5.41E-02	5.40E+01	2.66E-01	2.24E-04	5.59E-02	1.06E-02	3.33E-01	2.98E-01	5.31E+01	5.59E-01	5.41E-02	5.40E+01
5796	490757.4	3859774.4	3.46031	4.822	5.0561	0.92896	2.64E-01	5.15E+01	5.59E-01	5.31E-02	5.23E+01	2.56E-01	2.17E-04	5.59E-02	1.04E-02	3.23E-01	2.87E-01	5.15E+01	5.59E-01	5.31E-02	5.24E+01
5797	491003.53	3859861.82	3.05302	4.31995	5.2162	0.88594	2.33E-01	4.61E+01	5.77E-01	5.07E-02	4.70E+01	2.26E-01	1.95E-04	5.77E-02	9.92E-03	2.94E-01	2.53E-01	4.61E+01	5.77E-01	5.07E-02	4.70E+01
5798	491081.41	3859879.05	2.88406	4.23075	5.2686	0.89408	2.20E-01	4.51E+01	5.83E-01	5.11E-02	4.60E+01	2.14E-01	1.91E-04	5.83E-02	1.00E-02	2.82E-01	2.39E-01	4.51E+01	5.83E-01	5.11E-02	4.60E+01
5799	491229.76	3859917.82	2.56667	4.06339	5.2679	0.90422	1.96E-01	4.34E+01	5.82E-01	5.17E-02	4.42E+01	1.90E-01	1.83E-04	5.82E-02	1.01E-02	2.59E-01	2.13E-01	4.34E+01	5.82E-01	5.17E-02	4.42E+01
5800	491300.22	3859939.35	2.42131	3.97498	5.2239	0.90645	1.85E-01	4.24E+01	5.78E-01	5.18E-02	4.32E+01	1.79E-01	1.79E-04	5.78E-02	1.01E-02	2.47E-01	2.01E-01	4.24E+01	5.78E-01	5.18E-02	4.33E+01
5801	491350.49	3860012.03	2.47647	3.71831	4.9829	0.89205	1.89E-01	3.97E+01	5.51E-01	5.10E-02	4.05E+01	1.83E-01	1.68E-04	5.51E-02	9.99E-03	2.49E-01	2.06E-01	3.97E+01	5.51E-01	5.10E-02	4.05E+01
5802	491406.82	3860092.57	2.53226	3.51178	4.7274	0.86115	1.93E-01	3.75E+01	5.23E-01	4.92E-02	3.82E+01	1.87E-01	1.58E-04	5.23E-02	9.64E-03	2.50E-01	2.10E-01	3.75E+01	5.23E-01	4.92E-02	3.83E+01
5803	491483.37	3860121.96	2.42279	3.41314	4.7281	0.84629	1.85E-01	3.64E+01	5.23E-01	4.84E-02	3.72E+01	1.79E-01	1.54E-04	5.23E-02	9.47E-03	2.41E-01	2.01E-01	3.64E+01	5.23E-01	4.84E-02	3.72E+01
5804	491559.91	3860151.36	2.31085	3.34086	4.7146	0.83227	1.76E-01	3.57E+01	5.21E-01	4.76E-02	3.64E+01	1.71E-01	1.51E-04	5.21E-02	9.32E-03	2.33E-01	1.92E-01	3.57E+01	5.21E-01	4.76E-02	3.64E+01
5805	491711.81	3860237.76	2.24009	3.124	4.7947	0.77438	1.71E-01	3.33E+01	5.30E-01	4.43E-02	3.41E+01	1.66E-01	1.41E-04	5.30E-02	8.67E-03	2.28E-01	1.86E-01	3.33E+01	5.30E-01	4.43E-02	3.41E+01
5806	491755.2	3860319.07	2.24751	3.25815	4.3294	0.75031	1.71E-01	3.48E+01	4.79E-01	4.29E-02	3.55E+01	1.66E-01	1.47E-04	4.79E-02	8.40E-03	2.23E-01	1.87E-01	3.48E+01	4.79E-01	4.29E-02	3.55E+01
5807	491704.71	3860366.54	2.43862	3.2982	4.0371	0.75692	1.86E-01	3.52E+01	4.46E-01	4.33E-02	3.59E+01	1.81E-01	1.49E-04	4.46E-02	8.47E-03	2.34E-01	2.02E-01	3.52E+01	4.46E-01	4.33E-02	3.59E+01
5808	491623.43	3860462.39	2.63842	3.28523	3.6984	0.76655	2.01E-01	3.51E+01	4.09E-01	4.38E-02	3.57E+01	1.95E-01	1.48E-04	4.09E-02	8.58E-03	2.45E-01	2.19E-01	3.51E+01	4.09E-01	4.38E-02	3.57E+01
5809	491534.02	3860439.85	2.82436	3.48784	4.348	0.79536	2.15E-01	3.72E+01	4.81E-01	4.55E-02	3.80E+01	2.09E-01	1.57E-04	4.81E-02	8.90E-03	2.66E-01	2.34E-01	3.72E+01	4.81E-01	4.55E-02	3.80E+01
5810	491313.95	3860268.18	2.86082	3.64658	3.7547	0.79115	2.18E-01	3.89E+01	4.15E-01	4.52E-02	3.96E+01	2.12E-01	1.64E-04	4.15E-02	8.86E-03	2.62E-01	2.38E-01	3.89E+01	4.15E-01	4.52E-02	3.96E+01
5811	491187.12	3860143.56	2.99448	3.71052	3.8625	0.96378	2.28E-01	3.96E+01	4.27E-01	5.51E-02	4.03E+01	2.22E-01	1.67E-04	4.27E-02	1.08E-02	2.75E-01	2.49E-01	3.96E+01	4.27E-01	5.51E-02	4.03E+01
5812	491070.43	3860075.97	3.12797	3.91923	4.0237	1.06804	2.38E-01	4.18E+01	4.45E-01	6.11E-02	4.26E+01	2.32E-01	1.77E-04	4.45E-02	1.20E-02	2.88E-01	2.60E-01	4.18E+01	4.45E-01	6.11E-02	4.26E+01
5813	490995.09	3860039.39	3.20925	4.00934	4.1316	1.09073	2.45E-01	4.28E+01	4.57E-01	6.24E-02	4.36E+01	2.38E-01	1.81E-04	4.57E-02	1.22E-02	2.96E-01	2.66E-01	4.28E+01	4.57E-01	6.24E-02	4.36E+01
5814	490919.75	3860002.8	3.29011	4.19417	4.2432	1.0985	2.51E-01	4.48E+01	4.69E-01	6.28E-02	4.55E+01	2.44E-01	1.89E-04	4.69E-02	1.23E-02	3.03E-01	2.73E-01	4.48E+01	4.69E-01	6.28E-02	4.56E+01
5815	490756.81	3859894.53	3.49374	4.55168	4.4862	0.97156	2.66E-01	4.86E+01	4.96E-01	5.56E-02	4.94E+01	2.59E-01	2.05E-04	4.96E-02	1.09E-02	3.19E-01	2.90E-01	4.86E+01	4.96E-01	5.56E-02	4.94E+01
5816	490668.07	3859860.92	3.55952	4.77962	4.6042	0.91995	2.71E-01	5.10E+01	5.09E-01	5.26E-02	5.18E+01	2.64E-01	2.15E-04	5.09E-02	1.03E-02	3.25E-01	2.96E-01	5.10E+01	5.09E-01	5.26E-02	5.19E+01
5817	490579.34	3859827.3	3.62747	4.99583	4.7349	0.92053	2.76E-01	5.33E+01	5.23E-01	5.26E-02	5.42E+01	2.69E-01	2.25E-04	5.23E-02	1.03E-02	3.31E-01	3.01E-01	5.33E+01	5.23E-01	5.26E-02	5.42E+01
5818	490490.6	3859793.68	3.66583	5.2176	4.836	0.93428	2.79E-01	5.57E+01	5.35E-01	5.34E-02	5.65E+01	2.71E-01	2.35E-04	5.35E-02	1.05E-02	3.36E-01	3.04E-01	5.57E+01	5.35E-01	5.34E-02	5.66E+01
5819	490401.86	3859760.07	3.69189	5.39696	4.9303	0.94762	2.81E-01	5.76E+01	5.45E-01	5.42E-02	5.85E+01	2.73E-01	2.43E-04	5.45E-02	1.06E-02	3.39E-01	3.07E-01	5.76E+01	5.45E-01	5.42E-02	5.85E+01
5820	490313.12	3859726.45	3.71056	5.57379	5.0227	0.96493	2.83E-01	5.95E+01	5.55E-01	5.52E-02	6.04E+01	2.75E-01	2.51E-04	5.55E-02	1.08E-02	3.41E-01	3.08E-01	5.95E+01	5.55E-01	5.52E-02	6.04E+01
5821	490224.39	3859692.83	3.71488	5.74942	5.1029	0.98087	2.83E-01	6.14E+01	5.64E-01	5.61E-02	6.23E+01	2.75E-01	2.59E-04	5.64E-02	1.10E-02	3.43E-01	3.08E-01	6.14E+01	5.64E-01	5.61E-02	6.23E+01
5822	490135.65	3859659.22	3.71706	5.92514	5.1698	0.99333	2.83E-01	6.32E+01	5.72E-01	5.68E-02	6.41E+01	2.75E-01	2.67E-04	5.72E-02	1.11E-02	3.44E-01	3.09E-01	6.32E+01	5.72E-01	5.68E-02	6.42E+01
5823	489918.19	3859559.23	4.05524	6.34554	5.2885	0.98967	3.09E-01	6.77E+01	5.85E-01	5.66E-02	6.87E+01	3.00E-01	2.86E-04	5.85E-02	1.11E-02	3.70E-01	3.37E-01	6.77E+01	5.85E-01	5.66E-02	6.87E+01
5824	489743.61	3859486	4.32832	7.23343	5.4213	0.96313	3.30E-01	7.72E+01	5.99E-01	5.51E-02	7.82E+01	3.20E-01	3.26E-04	5.99E-02	1.08E-02	3.91E-01	3.59E-01	7.72E+01	5.99E-01	5.51E-02	7.82E+01
5825	489660.32	3859440.27	4.46941	7.73797	5.326	0.95387	3.41E-01	8.26E+01	5.89E-01	5.45E-02	8.36E+01	3.31E-01	3.49E-04	5.89E-02	1.07E-02	4.01E-01	3.71E-01	8.26E+01	5.89E-01	5.45E-02	8.36E+01
5826	489577.04	3859394.53	4.62048	8.16229	5.155	0.95993	3.52E-01	8.71E+01	5.70E-01	5.49E-02	8.81E+01	3.42E-01	3.68E-04	5.70E-02	1.07E-02	4.10E-01	3.84E-01	8.71E+01	5.70E-01	5.49E-02	8.81E+01
5827	489493.75	3859348.8	4.76797	8.52445	5.0699	0.98078	3.63E-01	9.10E+01	5.61E-01	5.61E-02	9.20E+01	3.53E-01	3.84E-04	5.61E-02	1.10E-02	4.20E-01	3.96E-01	9.10E+01	5.61E-01	5.61E-02	9.20E+01
5828	489321.28	3859240.02	5.20277	10.1465	4.9646	1.12431	3.97E-01	1.08E+02	5.49E-01	6.43E-02	1.09E+02	3.85E-01	4.57E-04	5.49E-02	1.26E-02	4.53E-01	4.32E-01	1.08E+02	5.49E-01	6.43E-02	1.09E+02
5829	489235.41	3859193.96	5.6937	10.8365	4.7848	1.0101	4.34E-01	1.16E+02	5.29E-01	5.78E-02	1.17E+02	4.22E-01	4.88E-04	5.29E-02	1.13E-02	4.86E-01	4.73E-01	1.16E+02	5.29E-01	5.78E-02	1.17E+02
5830	489149.54	3859147.89	6.14689	11.926	4.5218	1.00216	4.69E-01	1.27E+02	5.00E-01	5.73E-02	1.28E+02	4.55E-01	5.38E-04	5.00E-02	1.12E-02	5.17E-01	5.10E-01	1.27E+02	5.00E-01	5.73E-02	1.28E+02
5831	489063.68	3859101.82	6.62142	12.6925	4.2483	0.99274	5.05E-01	1.35E+02	4.70E-01	5.68E-02	1.36E+02	4.90E-01	5.72E-04	4.70E-02	1.11E-02	5.49E-01	5.50E-01	1.35E+02	4.70E-01	5.68E-02	1.37E+02
5832	488977.81	3859055.75	7.08116	13.4335	4.4905	1.38066	5.40E-01	1.43E+02	4.96E-01	7.90E-02	1.44E+02	5.24E-01	6.06E-04	4.96E-02	1.55E-02	5.90E-01	5.88E-01	1.43E+02	4.96E-01	7.90E-02	1.45E+02
5833	488891.94	3859009.69	7.46064	15.015	4.6424	1.652	5.69E-01	1.60E+02	5.13E-01	9.45E-02	1.61E+02	5.52E-01	6.77E-04	5.13E-02	1.85E-02	6.23E-01	6.19E-01	1.60E+02	5.13E-01	9.45E-02	1.61E+02
5834	488808	3859060.73	7.62541	16.3045	5.2389	1.67817	5.81E-01	1.74E+02	5.79E-01	9.60E-02	1.75E+02	5.65E-01	7.35E-04	5.79E-02	1.88E-02	6.42E-01	6.33E-01	1.74E+02	5.79E-01	9.60E-02	1.75E+02
5835	488809.93	3859157.85	6.9429	16.2734	5.3005	1.72526	5.29E-01	1.74E+02	5.86E-01	9.87E-02	1.75E+02	5.14E-01	7.34E-04	5.86E-02	1.93E-02	5.93E-01	5.76E-01	1.74E+02	5.86E-01	9.87E-02	1.75E+02
5836	488811.86	3859254.96	5.95421	16.4678	5.1252	1.69161	4.54E-01	1.76E+02	5.67E-01	9.67E-02	1.77E+02	4.41E-01	7.42E-04	5.67E-02	1.89E-02	5.17E-01	4.94E-01	1.76E+02	5.67E-01	9.67E-02	1.77E+02
5837	488813.78	3859352.07	4.86663	16.6176	4.7888	1.56633	3.71E-01	1.77E+02	5.29E-01	8.96E-02	1.78E+02	3.60E-01	7.49E-04	5.29E-02	1.75E-02	4.32E-01	4.04E-01	1.77E+02	5.29E-01	8.96E-02	1.78E+02
5838	488815.71	3859449.19	4.81295	16.2803	4.3686	2.34403	3.67E-01	1.74E+02	4.83E-01	1.34E-01	1.75E+02	3.56E-01	7.34E-04	4.83E-02	2.62E-02	4.32E-01	4.00E-01	1.74E+02	4.83E-01	1.34E-01	1.75E+02
5839	488910.04	3859547.11	4.5929	11.8972	4.4596	2.45844	3.50E-01	1.27E+02	4.93E-01	1.41E-01	1.28E+02	3.40E-01	5.36E-04	4.93E-02	2.75E-02	4.17E-01	3.81E-01	1.27E+02	4.93E-01	1.41E-01	1.28E+02
5840	489002.45	3859547.91	4.50577	10.8274	4.7209	2.23527	3.43E-01	1.16E+02	5.22E-01	1.28E-01	1.17E+02	3.34E-01	4.88E-04	5.22E-02	2.50E-02	4.11E-01	3.74E-01	1.16E+02	5.22E-01	1.28E-01	1.17E+02
5841	489094.85	3859548.72	5.25815	9.92237	4.6601	1.84694	4.01E-01	1.06E+02	5.15E-01	1.06E-01	1.07E+02	3.89E-01	4.47E-04	5.15E-02	2.07E-02	4.62E-01	4.37E-01	1.06E+02	5.15E-01	1.06E-01	1.07E+02
5842	489230.05	3859601.87	5.66393	8.59314	5.1318	1.39887	4.32E-01	9.17E+01	5.67E-01	8.00E-02	9.28E+01	4.19E-01	3.87E-04	5.67E-02	1.57E-02	4.92E-01	4.70E-01	9.17E+01	5.67E-01	8.00E-02	9.28E+01
5843	489227.52	3859680.89	5.01489	7.91181	5.2433	1.44779	3.82E-01	8.44E+01	5.80E-01	8.28E-02	8.55E+01	3.71E-01	3.57E-04	5.80E-02	1.62E-02	4.46E-01	4.16E-01	8.44E+01	5.80E-01	8.28E-02	8.55E+01
5844	489133.47	3859760.29	4.05544	8.0297	4.4238	1.75678	3.09E-01	8.57E+01	4.89E-01	1.00E-01	8.66E+01	3.00E-01	3.62E-04	4.89E-02	1.97E-02	3.69E-01	3.37E-01	8.57E+01	4.89E-01	1.00E-01	8.66E+01
5845	489041.96	3859760.67	4.50479	8.80424	4.2236	2.08508	3.43E-01	9.40E+01	4.67E-01	1.19E-01	9.49E+01	3.34E-01	3.97E-04	4.67E-02	2.33E-02	4.04E-01	3.74E-01	9.40E+01	4.67E-01	1.19E-01	9.49E+01
5846	488950.45	3859761.05	4.69665	9.3345	4.1021	2.51054	3.58E-01	9.96E+01	4.54E-01	1.44E-01	1.01E+02	3.48E-01	4.21E-04	4.54E-02	2.81E-02	4.22E-01	3.90E-01	9.96E+01	4.54E-01	1.44E-01	1.01E+02
5847	488858.94	3859761.43	4.62167	9.72236	4.4625	3.05628	3.52E-01	1.04E+02	4.93E-01	1.75E-01	1.05E+02	3.42E-01	4.38E-04	4.93E-02	3.42E-02	4.26E-01	3.84E-01	1.04E+02	4.93E-01	1.75E-01	1.05E+02
5848	488767.43	3859761.82	4.29044	9.93214	3.9308	3.7546	3.27E-01	1.06E+02	4.35E-01	2.15E-01	1.07E+02	3.18E-01	4.48E-04	4.35E-02	4.20E-02	4.04E-01	3.56E-01	1.06E+02	4.35E-01	2.15E-01	1.07E+02
5849	488675.92	3859762.2	3.79719	10.4881	2.7969	4.99684	2.89E-01	1.12E+02	3.09E-01	2.86E-01	1.13E+02	2.81E-01	4.73E-04	3.09E-02	5.59E-02	3.68E-01	3.15E-01	1.12E+02	3.09E-01	2.86E-01	1.13E+02
5850	488584.41	3859762.58	3.72352	11.4762	2.5043	7.1716	2.84E-01	1.22E+02	2.77E-01	4.10E-01	1.23E+02	2.76E-01	5.17E-04	2.77E-02	8.03E-02	3.84E-01	3.09E-01	1.22E+02	2.77E-01	4.10E-01	1.23E+02
5851	488492.9	3859762.96	3.92391	13.4098	3.2754	9.25599	2.99E-01	1.43E+02	3.62E-01	5.29E-01	1.44E+02	2.90E-01	6.04E-04	3.62E-02	1.04E-01	4.31E-01	3.26E-01	1.43E+02	3.62E-01	5.29E-01	1.44E+02
5852	488402.76	3859830.95	4.02836	16.835	3.458	19.06396	3.07E-01	1.80E+02	3.82E-01	1.09E+00	1.81E+02	2.98E-01	7.59E-04	3.82E-02	2.13E-01	5.51E-01	3.34E-01	1.80E+02	3.82E-01	1.09E+00	1.81E+02

5853	488404.14	3859898.55	4.05488	16.9935	3.5308	10.76819	3.09E-01	1.81E+02	3.90E-01	6.16E-01	1.83E+02	3.00E-01	7.66E-04	3.90E-02	1.21E-01	4.61E-01	3.37E-01	1.81E+02	3.90E-01	6.16E-01	1.83E+02
5854	488505.18	3859964.96	3.81272	14.1024	3.6417	7.6219	2.91E-01	1.50E+02	4.03E-01	4.36E-01	1.52E+02	2.82E-01	6.36E-04	4.03E-02	8.53E-02	4.08E-01	3.17E-01	1.50E+02	4.03E-01	4.36E-01	1.52E+02
5855	488604.85	3859963.76	3.64399	12.1089	3.1284	7.92289	2.78E-01	1.29E+02	3.46E-01	4.53E-01	1.30E+02	2.70E-01	5.46E-04	3.46E-02	8.87E-02	3.94E-01	3.03E-01	1.29E+02	3.46E-01	4.53E-01	1.30E+02
5856	488704.51	3859962.56	3.43674	11.524	2.2275	6.62005	2.62E-01	1.23E+02	2.46E-01	3.79E-01	1.24E+02	2.54E-01	5.19E-04	2.46E-02	7.41E-02	3.54E-01	2.85E-01	1.23E+02	2.46E-01	3.79E-01	1.24E+02
5857	488804.18	3859961.37	3.39971	11.456	3.4505	4.83686	2.59E-01	1.22E+02	3.81E-01	2.77E-01	1.23E+02	2.52E-01	5.16E-04	3.81E-02	5.41E-02	3.45E-01	2.82E-01	1.22E+02	3.81E-01	2.77E-01	1.23E+02
5858	488903.85	3859960.17	3.94147	10.6387	4.2574	3.60864	3.00E-01	1.14E+02	4.71E-01	2.06E-01	1.15E+02	2.92E-01	4.80E-04	4.71E-02	4.04E-02	3.80E-01	3.27E-01	1.14E+02	4.71E-01	2.06E-01	1.15E+02
5859	489003.52	3859958.97	4.30707	9.6888	4.2514	3.44358	3.28E-01	1.03E+02	4.70E-01	1.97E-01	1.04E+02	3.19E-01	4.37E-04	4.70E-02	3.85E-02	4.05E-01	3.58E-01	1.03E+02	4.70E-01	1.97E-01	1.04E+02
5860	489103.18	3859957.77	4.42287	8.89226	3.8822	3.28599	3.37E-01	9.49E+01	4.29E-01	1.88E-01	9.58E+01	3.27E-01	4.01E-04	4.29E-02	3.68E-02	4.08E-01	3.67E-01	9.49E+01	4.29E-01	1.88E-01	9.59E+01
5861	489201.48	3860046.59	4.29788	9.34094	4.1435	2.74353	3.28E-01	9.97E+01	4.58E-01	1.57E-01	1.01E+02	3.18E-01	4.21E-04	4.58E-02	3.07E-02	3.95E-01	3.57E-01	9.97E+01	4.58E-01	1.57E-01	1.01E+02
5862	489200.11	3860136.61	4.16897	9.66702	4.0729	2.00171	3.18E-01	1.03E+02	4.50E-01	1.14E-01	1.04E+02	3.09E-01	4.36E-04	4.50E-02	2.24E-02	3.77E-01	3.46E-01	1.03E+02	4.50E-01	1.14E-01	1.04E+02
5863	489198.74	3860226.63	3.91181	11.6492	3.9374	2.04257	2.98E-01	1.24E+02	4.35E-01	1.17E-01	1.25E+02	2.90E-01	5.25E-04	4.35E-02	2.29E-02	3.57E-01	3.25E-01	1.24E+02	4.35E-01	1.17E-01	1.25E+02
5864	489197.38	3860316.66	3.55672	16.5646	3.8151	2.44041	2.71E-01	1.77E+02	4.22E-01	1.40E-01	1.78E+02	2.63E-01	7.47E-04	4.22E-02	2.73E-02	3.34E-01	2.95E-01	1.77E+02	4.22E-01	1.40E-01	1.78E+02
5865	489196.01	3860406.68	3.15574	15.4148	3.8896	2.48068	2.41E-01	1.65E+02	4.30E-01	1.42E-01	1.65E+02	2.34E-01	6.95E-04	4.30E-02	2.78E-02	3.05E-01	2.62E-01	1.65E+02	4.30E-01	1.42E-01	1.65E+02
5866	489194.64	3860496.7	2.72092	14.8561	3.8217	2.65523	2.07E-01	1.59E+02	4.23E-01	1.52E-01	1.59E+02	2.01E-01	6.70E-04	4.23E-02	2.97E-02	2.74E-01	2.26E-01	1.59E+02	4.23E-01	1.52E-01	1.59E+02
5867	489193.27	3860586.72	2.556	15.5792	3.7143	2.51012	1.95E-01	1.66E+02	4.11E-01	1.44E-01	1.67E+02	1.89E-01	7.02E-04	4.11E-02	2.81E-02	2.59E-01	2.12E-01	1.66E+02	4.11E-01	1.44E-01	1.67E+02
5868	489092.02	3860678.13	2.75333	13.7804	3.0412	3.06677	2.10E-01	1.47E+02	3.36E-01	1.75E-01	1.48E+02	2.04E-01	6.21E-04	3.36E-02	3.43E-02	2.72E-01	2.29E-01	1.47E+02	3.36E-01	1.75E-01	1.48E+02
5869	488992.13	3860679.53	3.03631	13.6517	2.3036	3.04612	2.31E-01	1.46E+02	2.55E-01	1.74E-01	1.46E+02	2.25E-01	6.15E-04	2.55E-02	3.41E-02	2.85E-01	2.52E-01	1.46E+02	2.55E-01	1.74E-01	1.46E+02
5870	488892.25	3860680.92	3.30263	13.4011	2.3922	2.24844	2.52E-01	1.43E+02	2.64E-01	1.29E-01	1.44E+02	2.45E-01	6.04E-04	2.64E-02	2.52E-02	2.97E-01	2.74E-01	1.43E+02	2.64E-01	1.29E-01	1.44E+02
5871	488792.36	3860682.31	3.43755	12.9594	3.29	1.89859	2.62E-01	1.38E+02	3.64E-01	1.09E-01	1.39E+02	2.54E-01	5.84E-04	3.64E-02	2.13E-02	3.13E-01	2.85E-01	1.38E+02	3.64E-01	1.09E-01	1.39E+02
5872	488692.48	3860683.7	3.44861	12.4721	3.8339	2.14321	2.63E-01	1.33E+02	4.24E-01	1.23E-01	1.34E+02	2.55E-01	5.62E-04	4.24E-02	2.40E-02	3.22E-01	2.86E-01	1.33E+02	4.24E-01	1.23E-01	1.34E+02
5873	488592.59	3860685.1	3.32723	11.6768	3.7214	4.03504	2.54E-01	1.25E+02	4.11E-01	2.31E-01	1.26E+02	2.46E-01	5.26E-04	4.11E-02	4.52E-02	3.33E-01	2.76E-01	1.25E+02	4.11E-01	2.31E-01	1.26E+02
5874	488492.71	3860686.49	3.13677	11.0649	3.3173	3.67777	2.39E-01	1.18E+02	3.67E-01	2.10E-01	1.19E+02	2.32E-01	4.99E-04	3.67E-02	4.12E-02	3.11E-01	2.60E-01	1.18E+02	3.67E-01	2.10E-01	1.19E+02
5875	488299.07	3860762.18	2.72343	10.0017	3.6547	1.14831	2.08E-01	1.07E+02	4.04E-01	6.57E-02	1.07E+02	2.02E-01	4.51E-04	4.04E-02	1.29E-02	2.55E-01	2.26E-01	1.07E+02	4.04E-01	6.57E-02	1.07E+02
5876	488205.32	3860764.09	2.56532	10.0445	3.6353	0.64314	1.96E-01	1.07E+02	4.02E-01	3.68E-02	1.08E+02	1.90E-01	4.53E-04	4.02E-02	7.20E-03	2.38E-01	2.13E-01	1.07E+02	4.02E-01	3.68E-02	1.08E+02
5877	488111.56	3860766	2.58032	9.89122	4.5626	0.94374	1.97E-01	1.06E+02	5.04E-01	5.40E-02	1.06E+02	1.91E-01	4.46E-04	5.04E-02	1.06E-02	2.52E-01	2.14E-01	1.06E+02	5.04E-01	5.40E-02	1.06E+02
5878	488017.81	3860767.91	2.60478	9.53742	5.4174	1.35936	1.99E-01	1.02E+02	5.99E-01	7.77E-02	1.03E+02	1.93E-01	4.30E-04	5.99E-02	1.52E-02	2.68E-01	2.16E-01	1.02E+02	5.99E-01	7.77E-02	1.03E+02
5879	487924.06	3860769.81	2.57376	9.0059	6.1075	1.86911	1.96E-01	9.61E+01	6.75E-01	1.07E-01	9.71E+01	1.91E-01	4.06E-04	6.75E-02	2.09E-02	2.79E-01	2.14E-01	9.61E+01	6.75E-01	1.07E-01	9.71E+01
5880	487830.31	3860771.72	2.48694	8.18386	6.535	2.19676	1.90E-01	8.73E+01	7.23E-01	1.26E-01	8.84E+01	1.84E-01	3.69E-04	7.23E-02	2.46E-02	2.81E-01	2.06E-01	8.73E+01	7.23E-01	1.26E-01	8.84E+01
5881	487736.55	3860773.63	2.47393	8.55696	6.6414	1.93192	1.89E-01	9.13E+01	7.34E-01	1.10E-01	9.24E+01	1.83E-01	3.86E-04	7.34E-02	2.16E-02	2.79E-01	2.05E-01	9.13E+01	7.34E-01	1.10E-01	9.24E+01
5882	487642.8	3860775.54	2.6905	8.92917	6.4321	1.64919	2.05E-01	9.53E+01	7.11E-01	9.43E-02	9.63E+01	1.99E-01	4.03E-04	7.11E-02	1.85E-02	2.89E-01	2.23E-01	9.53E+01	7.11E-01	9.43E-02	9.63E+01
5883	487549.48	3860684.71	2.96066	9.44023	5.8539	1.7923	2.26E-01	1.01E+02	6.47E-01	1.02E-01	1.02E+02	2.19E-01	4.26E-04	6.47E-02	2.01E-02	3.04E-01	2.46E-01	1.01E+02	6.47E-01	1.02E-01	1.02E+02
5884	487549.91	3860591.97	2.979	9.52652	5.7256	1.26093	2.27E-01	1.02E+02	6.33E-01	7.21E-02	1.03E+02	2.21E-01	4.29E-04	6.33E-02	1.41E-02	2.98E-01	2.47E-01	1.02E+02	6.33E-01	7.21E-02	1.03E+02
5885	487550.34	3860499.23	3.00705	10.6932	5.6128	1.00443	2.29E-01	1.14E+02	6.21E-01	5.74E-02	1.15E+02	2.23E-01	4.82E-04	6.21E-02	1.12E-02	2.96E-01	2.50E-01	1.14E+02	6.21E-01	5.74E-02	1.15E+02
5886	487550.76	3860406.49	3.03431	12.1177	5.4721	1.04754	2.31E-01	1.29E+02	6.05E-01	5.99E-02	1.30E+02	2.25E-01	5.46E-04	6.05E-02	1.17E-02	2.97E-01	2.52E-01	1.29E+02	6.05E-01	5.99E-02	1.30E+02
5887	487551.19	3860313.75	3.04434	12.5505	5.1411	1.48614	2.32E-01	1.34E+02	5.68E-01	8.50E-02	1.35E+02	2.25E-01	5.66E-04	5.68E-02	1.66E-02	2.99E-01	2.53E-01	1.34E+02	5.68E-01	8.50E-02	1.35E+02
5888	487551.62	3860221.01	3.05459	12.6017	4.7619	1.64528	2.33E-01	1.34E+02	5.26E-01	9.41E-02	1.35E+02	2.26E-01	5.68E-04	5.26E-02	1.84E-02	2.98E-01	2.54E-01	1.34E+02	5.26E-01	9.41E-02	1.35E+02
5889	487552.05	3860128.27	3.07757	12.6156	4.3771	1.14755	2.35E-01	1.35E+02	4.84E-01	6.56E-02	1.35E+02	2.28E-01	5.69E-04	4.84E-02	1.28E-02	2.90E-01	2.56E-01	1.35E+02	4.84E-01	6.56E-02	1.35E+02
5890	487552.48	3860035.53	3.17144	12.3082	3.9347	1.5069	2.42E-01	1.31E+02	4.35E-01	8.62E-02	1.32E+02	2.35E-01	5.55E-04	4.35E-02	1.69E-02	2.96E-01	2.63E-01	1.31E+02	4.35E-01	8.62E-02	1.32E+02
5891	487552.91	3859942.79	3.30415	11.4527	3.4064	1.43993	2.52E-01	1.22E+02	3.77E-01	8.23E-02	1.23E+02	2.45E-01	5.16E-04	3.77E-02	1.61E-02	2.99E-01	2.74E-01	1.22E+02	3.77E-01	8.23E-02	1.23E+02
5892	487553.33	3859850.05	3.45946	11.5608	2.9082	1.64516	2.64E-01	1.23E+02	3.22E-01	9.41E-02	1.24E+02	2.56E-01	5.21E-04	3.22E-02	1.84E-02	3.07E-01	2.87E-01	1.23E+02	3.22E-01	9.41E-02	1.24E+02
5893	487553.76	3859757.31	3.58701	11.8556	2.4629	3.93917	2.73E-01	1.27E+02	2.72E-01	2.25E-01	1.27E+02	2.66E-01	5.34E-04	2.72E-02	4.41E-02	3.37E-01	2.98E-01	1.27E+02	2.72E-01	2.25E-01	1.27E+02
5894	487554.19	3859664.57	3.70227	12.2471	2.522	4.97661	2.82E-01	1.31E+02	2.79E-01	2.85E-01	1.32E+02	2.74E-01	5.52E-04	2.79E-02	5.57E-02	3.58E-01	3.07E-01	1.31E+02	2.79E-01	2.85E-01	1.32E+02
5895	487460.2	3859571.05	3.77122	14.1708	2.2901	4.13196	2.87E-01	1.51E+02	2.53E-01	2.36E-01	1.52E+02	2.79E-01	6.39E-04	2.53E-02	4.63E-02	3.51E-01	3.13E-01	1.51E+02	2.53E-01	2.36E-01	1.52E+02
5896	487365.78	3859570.27	3.91545	13.172	2.3043	3.86198	2.98E-01	1.41E+02	2.55E-01	2.21E-01	1.41E+02	2.90E-01	5.94E-04	2.55E-02	4.32E-02	3.59E-01	3.25E-01	1.41E+02	2.55E-01	2.21E-01	1.41E+02
5897	487271.36	3859569.48	4.37734	12.0446	2.4076	3.52887	3.34E-01	1.29E+02	2.66E-01	2.02E-01	1.29E+02	3.24E-01	5.43E-04	2.66E-02	3.95E-02	3.91E-01	3.63E-01	1.29E+02	2.66E-01	2.02E-01	1.29E+02
5898	487176.94	3859568.7	4.69812	11.3259	2.8283	3.613	3.58E-01	1.21E+02	3.13E-01	2.07E-01	1.22E+02	3.48E-01	5.11E-04	3.13E-02	4.04E-02	4.20E-01	3.90E-01	1.21E+02	3.13E-01	2.07E-01	1.22E+02
5899	487082.51	3859567.92	4.82486	11.183	2.3305	3.67303	3.68E-01	1.19E+02	2.58E-01	2.10E-01	1.20E+02	3.57E-01	5.04E-04	2.58E-02	4.11E-02	4.25E-01	4.01E-01	1.19E+02	2.58E-01	2.10E-01	1.20E+02
5900	486988.09	3859567.14	4.76884	11.3718	3.298	3.68293	3.63E-01	1.21E+02	3.65E-01	2.11E-01	1.22E+02	3.53E-01	5.13E-04	3.65E-02	4.12E-02	4.31E-01	3.96E-01	1.21E+02	3.65E-01	2.11E-01	1.22E+02
5901	486893.67	3859566.36	4.59348	11.5042	4.0624	3.65245	3.50E-01	1.23E+02	4.49E-01	2.09E-01	1.24E+02	3.40E-01	5.19E-04	4.49E-02	4.09E-02	4.26E-01	3.81E-01	1.23E+02	4.49E-01	2.09E-01	1.24E+02
5902	486799.25	3859565.58	4.3484	10.972	4.1782	3.58857	3.31E-01	1.17E+02	4.62E-01	2.05E-01	1.18E+02	3.22E-01	4.95E-04	4.62E-02	4.02E-02	4.09E-01	3.61E-01	1.17E+02	4.62E-01	2.05E-01	1.18E+02
5903	486704.83	3859564.79	4.07232	10.0285	3.6854	3.50125	3.10E-01	1.07E+02	4.07E-01	2.00E-01	1.08E+02	3.01E-01	4.52E-04	4.07E-02	3.92E-02	3.82E-01	3.38E-01	1.07E+02	4.07E-01	2.00E-01	1.08E+02
5904	486610.41	3859564.01	3.78915	9.50539	3.6671	3.39825	2.89E-01	1.01E+02	4.05E-01	1.94E-01	1.02E+02	2.81E-01	4.28E-04	4.05E-02	3.80E-02	3.60E-01	3.15E-01	1.01E+02	4.05E-01	1.94E-01	1.02E+02
5905	486515.99	3859563.23	3.51541	8.89459	3.9321	3.27908	2.68E-01	9.49E+01	4.35E-01	1.88E-01	9.58E+01	2.60E-01	4.01E-04	4.35E-02	3.67E-02	3.41E-01	2.92E-01	9.49E+01	4.35E-01	1.88E-01	9.58E+01
5906	486421.57	3859562.45	3.30012	8.34134	4.1544	3.15998	2.52E-01	8.90E+01	4.59E-01	1.81E-01	8.99E+01	2.44E-01	3.76E-04	4.59E-02	3.54E-02	3.26E-01	2.74E-01	8.90E+01	4.59E-01	1.81E-01	8.99E+01
5907	486327.14	3859561.67	3.16056	7.84367	4.3038	3.04267	2.41E-01	8.37E+01	4.76E-01	1.74E-01	8.46E+01	2.34E-01	3.54E-04	4.76E-02	3.41E-02	3.16E-01	2.62E-01	8.37E+01	4.76E-01	1.74E-01	8.46E+01
5908	486232.72	3859560.89	3.06772	7.3505	4.3342	2.91603	2.34E-01	7.84E+01	4.79E-01	1.67E-01	7.93E+01	2.27E-01	3.31E-04	4.79E-02	3.26E-02	3.08E-01	2.55E-01	7.84E+01	4.79E-01	1.67E-01	7.93E+01
5909	486138.3	3859560.1	3.00471	6.94258	4.2658	2.79159	2.29E-01	7.41E+01	4.72E-01	1.60E-01	7.49E+01	2.22E-01	3.13E-04	4.72E-02	3.12E-02	3.01E-01	2.49E-01	7.41E+01	4.72E-01	1.60E-01	7.50E+01
5910	486043.88	3859559.32	2.93521	6.61093	4.11	2.66734	2.24E-01	7.05E+01	4.54E-01	1.53E-01	7.14E+01	2.17E-01	2.98E-04	4.54E-02	2.99E-02	2.93E-01	2.44E-01	7.06E+01	4.54E-01	1.53E-01	7.14E+01
5911	485949.35	3859463.54	2.92883	7.30494	4.3662	2.84379	2.23E-01	7.80E+01	4.83E-01	1.63E-01	7.88E+01	2.17E-01	3.29E-04	4.83E-02	3.18E-02	2.97E-01	2.43E-01	7.80E+01	4.83E-01	1.63E-01	7.88E+01
5912	485949.24	3859368.55	3.01635	8.31301	4.1358	2.55464	2.30E-01	8.87E+01	4.57E-01	1.46E-01	8.95E+01	2.23E-01	3.75E-04	4.57E-02	2.86E-02	2.98E-01	2.50E-01	8.87E+01	4.57E-01	1.46E-01	8.96E+01
5913	485949.12	3859273.55	3.11158	9.0487	3.9715	2.29893	2.37E-01	9.66E+01	4.39E-01	1.31E-01	9.74E+01	2.30E-01	4.08E-04	4.39E-02	2.57E-02	3.00E-01	2.58E-01	9.66E+01	4.39E-01	1.31E-01	9.74E+01

5914	485949.01	3859178.56	3.20985	9.73847	4.9184	2.4854	2.45E-01	1.04E+02	5.44E-01	1.42E-01	1.05E+02	2.38E-01	4.39E-04	5.44E-02	2.78E-02	3.20E-01	2.66E-01	1.04E+02	5.44E-01	1.42E-01	1.05E+02
5915	485948.9	3859083.56	3.33126	10.6024	5.767	2.09598	2.54E-01	1.13E+02	6.38E-01	1.20E-01	1.14E+02	2.47E-01	4.78E-04	6.38E-02	2.35E-02	3.34E-01	2.77E-01	1.13E+02	6.38E-01	1.20E-01	1.14E+02
5916	485948.79	3858988.56	3.44553	11.508	6.3153	1.79036	2.63E-01	1.23E+02	6.98E-01	1.02E-01	1.24E+02	2.55E-01	5.19E-04	6.98E-02	2.00E-02	3.45E-01	2.86E-01	1.23E+02	6.98E-01	1.02E-01	1.24E+02
5917	485948.67	3858893.57	3.56246	11.7123	6.4228	1.60368	2.72E-01	1.25E+02	7.10E-01	9.17E-02	1.26E+02	2.64E-01	5.28E-04	7.10E-02	1.80E-02	3.53E-01	2.96E-01	1.25E+02	7.10E-01	9.17E-02	1.26E+02
5918	485948.56	3858798.57	3.71754	11.2426	6.0571	1.50572	2.83E-01	1.20E+02	6.70E-01	8.61E-02	1.21E+02	2.75E-01	5.07E-04	6.70E-02	1.69E-02	3.60E-01	3.09E-01	1.20E+02	6.70E-01	8.61E-02	1.21E+02
5919	485948.45	3858703.58	3.85505	11.1691	5.225	1.3185	2.94E-01	1.19E+02	5.78E-01	7.54E-02	1.20E+02	2.85E-01	5.03E-04	5.78E-02	1.48E-02	3.58E-01	3.20E-01	1.19E+02	5.78E-01	7.54E-02	1.20E+02
5920	485948.34	3858608.58	4.03834	11.0613	5.6395	1.63543	3.08E-01	1.18E+02	6.24E-01	9.35E-02	1.19E+02	2.99E-01	4.99E-04	6.24E-02	1.83E-02	3.80E-01	3.35E-01	1.18E+02	6.24E-01	9.35E-02	1.19E+02
5921	485948.22	3858513.59	4.24466	11.0561	6.1255	1.56414	3.24E-01	1.18E+02	6.77E-01	8.94E-02	1.19E+02	3.14E-01	4.98E-04	6.77E-02	1.75E-02	4.00E-01	3.52E-01	1.18E+02	6.77E-01	8.94E-02	1.19E+02
5922	485948.11	3858418.59	4.4736	11.2503	6.094	1.98499	3.41E-01	1.20E+02	6.74E-01	1.14E-01	1.21E+02	3.31E-01	5.07E-04	6.74E-02	2.22E-02	4.21E-01	3.71E-01	1.20E+02	6.74E-01	1.14E-01	1.21E+02
5923	485948	3858323.59	4.77632	11.4797	5.5629	1.64927	3.64E-01	1.23E+02	6.15E-01	9.43E-02	1.24E+02	3.54E-01	5.17E-04	6.15E-02	1.85E-02	4.34E-01	3.97E-01	1.23E+02	6.15E-01	9.43E-02	1.24E+02
5924	485947.89	3858228.6	5.14272	11.7052	4.6211	1.11181	3.92E-01	1.25E+02	5.11E-01	6.36E-02	1.26E+02	3.81E-01	5.28E-04	5.11E-02	1.24E-02	4.45E-01	4.27E-01	1.25E+02	5.11E-01	6.36E-02	1.26E+02
5925	485947.77	3858133.6	5.62455	11.4963	5.4465	1.16196	4.29E-01	1.23E+02	6.02E-01	6.64E-02	1.24E+02	4.16E-01	5.18E-04	6.02E-02	1.30E-02	4.90E-01	4.67E-01	1.23E+02	6.02E-01	6.64E-02	1.24E+02
5926	485947.66	3858038.61	6.28975	10.8984	6.8156	1.23068	4.79E-01	1.16E+02	7.54E-01	7.04E-02	1.18E+02	4.66E-01	4.91E-04	7.54E-02	1.38E-02	5.55E-01	5.22E-01	1.16E+02	7.54E-01	7.04E-02	1.18E+02
5927	485854.54	3857943.35	6.62202	8.98505	7.3962	1.2433	5.05E-01	9.59E+01	8.18E-01	7.11E-02	9.73E+01	4.90E-01	4.05E-04	8.18E-02	1.39E-02	5.86E-01	5.50E-01	9.59E+01	8.18E-01	7.11E-02	9.73E+01
5928	485761.52	3857943.09	6.33719	8.07886	7.2389	1.32908	4.83E-01	8.62E+01	8.00E-01	7.60E-02	8.76E+01	4.69E-01	3.64E-04	8.00E-02	1.49E-02	5.64E-01	5.26E-01	8.62E+01	8.00E-01	7.60E-02	8.76E+01
5929	485668.51	3857942.83	6.26546	7.39376	7.102	1.53266	4.78E-01	7.89E+01	7.85E-01	8.76E-02	8.03E+01	4.64E-01	3.33E-04	7.85E-02	1.72E-02	5.60E-01	5.20E-01	7.89E+01	7.85E-01	8.76E-02	8.03E+01
5930	485575.5	3857942.56	6.18738	6.90219	6.9472	1.40496	4.72E-01	7.37E+01	7.68E-01	8.03E-02	7.50E+01	4.58E-01	3.11E-04	7.68E-02	1.57E-02	5.51E-01	5.14E-01	7.37E+01	7.68E-01	8.03E-02	7.50E+01
5931	485482.48	3857942.3	6.10466	6.33622	6.8139	1.12499	4.65E-01	6.76E+01	7.53E-01	6.43E-02	6.89E+01	4.52E-01	2.86E-04	7.53E-02	1.26E-02	5.40E-01	5.07E-01	6.76E+01	7.53E-01	6.43E-02	6.89E+01
5932	485389.47	3857942.04	6.00918	5.9082	6.6809	0.96582	4.58E-01	6.31E+01	7.39E-01	5.52E-02	6.43E+01	4.45E-01	2.66E-04	7.39E-02	1.08E-02	5.30E-01	4.99E-01	6.31E+01	7.39E-01	5.52E-02	6.43E+01
5933	485296.46	3857941.78	5.92007	5.69476	6.552	1.04171	4.51E-01	6.08E+01	7.24E-01	5.96E-02	6.20E+01	4.38E-01	2.57E-04	7.24E-02	1.17E-02	5.23E-01	4.91E-01	6.08E+01	7.24E-01	5.96E-02	6.20E+01
5934	485203.45	3857941.52	5.86974	5.50288	6.4413	1.20379	4.47E-01	5.87E+01	7.12E-01	6.88E-02	6.00E+01	4.35E-01	2.48E-04	7.12E-02	1.35E-02	5.19E-01	4.87E-01	5.87E+01	7.12E-01	6.88E-02	6.00E+01
5935	485110.43	3857941.26	5.80403	5.33269	6.3158	1.23101	4.42E-01	5.69E+01	6.98E-01	7.04E-02	5.81E+01	4.30E-01	2.40E-04	6.98E-02	1.38E-02	5.14E-01	4.82E-01	5.69E+01	6.98E-01	7.04E-02	5.82E+01
5936	485017.42	3857940.99	5.74486	5.1697	6.1873	1.01406	4.38E-01	5.52E+01	6.84E-01	5.80E-02	5.63E+01	4.25E-01	2.33E-04	6.84E-02	1.14E-02	5.05E-01	4.77E-01	5.52E+01	6.84E-01	5.80E-02	5.64E+01
5937	484924.41	3857940.73	5.70607	5.10872	6.0639	0.68661	4.35E-01	5.45E+01	6.70E-01	3.93E-02	5.57E+01	4.22E-01	2.30E-04	6.70E-02	7.69E-03	4.97E-01	4.74E-01	5.45E+01	6.70E-01	3.93E-02	5.57E+01
5938	484831.39	3857940.47	5.69755	5.00637	5.9531	0.85769	4.34E-01	5.34E+01	6.58E-01	4.90E-02	5.46E+01	4.22E-01	2.26E-04	6.58E-02	9.60E-03	4.97E-01	4.73E-01	5.34E+01	6.58E-01	4.90E-02	5.46E+01
5939	484738.12	3857859.3	5.99858	5.33231	6.0397	1.28705	4.57E-01	5.69E+01	6.68E-01	7.36E-02	5.81E+01	4.44E-01	2.40E-04	6.68E-02	1.44E-02	5.26E-01	4.98E-01	5.69E+01	6.68E-01	7.36E-02	5.81E+01
5940	484737.85	3857778.4	6.2975	5.76529	5.9686	1.3335	4.80E-01	6.15E+01	6.60E-01	7.63E-02	6.27E+01	4.66E-01	2.60E-04	6.60E-02	1.49E-02	5.47E-01	5.23E-01	6.15E+01	6.60E-01	7.63E-02	6.28E+01
5941	484737.59	3857697.49	6.51798	6.21445	5.6275	1.38101	4.97E-01	6.63E+01	6.22E-01	7.90E-02	6.75E+01	4.83E-01	2.80E-04	6.22E-02	1.55E-02	5.61E-01	5.41E-01	6.63E+01	6.22E-01	7.90E-02	6.76E+01
5942	484737.32	3857616.59	6.66831	6.90652	5.0681	1.44358	5.08E-01	7.37E+01	5.60E-01	8.25E-02	7.49E+01	4.94E-01	3.11E-04	5.60E-02	1.62E-02	5.66E-01	5.54E-01	7.37E+01	5.60E-01	8.25E-02	7.49E+01
5943	484645.53	3857535.18	6.70832	7.77301	4.3995	2.03483	5.11E-01	8.30E+01	4.86E-01	1.16E-01	8.41E+01	4.97E-01	3.50E-04	4.86E-02	2.28E-02	5.68E-01	5.57E-01	8.30E+01	4.86E-01	1.16E-01	8.41E+01
5944	484553.99	3857534.67	6.59406	7.50629	4.4083	1.30788	5.03E-01	8.01E+01	4.87E-01	7.48E-02	8.12E+01	4.88E-01	3.38E-04	4.87E-02	1.46E-02	5.52E-01	5.47E-01	8.01E+01	4.87E-01	7.48E-02	8.12E+01
5945	484462.46	3857534.17	6.50837	7.36947	4.4209	1.94077	4.96E-01	7.86E+01	4.89E-01	1.11E-01	7.97E+01	4.82E-01	3.32E-04	4.89E-02	2.17E-02	5.53E-01	5.40E-01	7.86E+01	4.89E-01	1.11E-01	7.98E+01
5946	484370.93	3857533.66	6.41696	7.65418	4.4265	1.31676	4.89E-01	8.17E+01	4.89E-01	7.53E-02	8.27E+01	4.75E-01	3.45E-04	4.89E-02	1.47E-02	5.39E-01	5.33E-01	8.17E+01	4.89E-01	7.53E-02	8.28E+01
5947	484279.4	3857533.16	6.33507	8.01645	4.4309	0.8799	4.83E-01	8.55E+01	4.90E-01	5.03E-02	8.66E+01	4.69E-01	3.61E-04	4.90E-02	9.85E-03	5.28E-01	5.26E-01	8.55E+01	4.90E-01	5.03E-02	8.66E+01
5948	484187.86	3857532.65	6.24637	8.29014	4.4287	1.90861	4.76E-01	8.85E+01	4.90E-01	1.09E-01	8.95E+01	4.62E-01	3.74E-04	4.90E-02	2.14E-02	5.33E-01	5.19E-01	8.85E+01	4.90E-01	1.09E-01	8.96E+01
5949	484096.33	3857532.15	6.17588	8.11208	4.4301	2.08776	4.71E-01	8.66E+01	4.90E-01	1.19E-01	8.76E+01	4.57E-01	3.66E-04	4.90E-02	2.34E-02	5.30E-01	5.13E-01	8.66E+01	4.90E-01	1.19E-01	8.77E+01
5950	484004.8	3857531.64	6.07371	7.77912	4.4205	1.57305	4.63E-01	8.30E+01	4.89E-01	9.00E-02	8.41E+01	4.50E-01	3.51E-04	4.89E-02	1.76E-02	5.16E-01	5.04E-01	8.30E+01	4.89E-01	9.00E-02	8.41E+01
5951	483913.27	3857531.14	5.92187	7.32901	4.4001	2.29918	4.51E-01	7.82E+01	4.86E-01	1.31E-01	7.93E+01	4.38E-01	3.30E-04	4.86E-02	2.57E-02	5.13E-01	4.92E-01	7.82E+01	4.86E-01	1.31E-01	7.93E+01
5952	483821.73	3857530.63	5.73389	7.00552	4.3865	2.70923	4.37E-01	7.48E+01	4.85E-01	1.55E-01	7.58E+01	4.24E-01	3.16E-04	4.85E-02	3.03E-02	5.04E-01	4.76E-01	7.48E+01	4.85E-01	1.55E-01	7.59E+01
5953	483729.61	3857450.11	5.44878	7.45447	3.899	2.30173	4.15E-01	7.96E+01	4.31E-01	1.32E-01	8.05E+01	4.03E-01	3.36E-04	4.31E-02	2.58E-02	4.73E-01	4.52E-01	7.96E+01	4.31E-01	1.32E-01	8.06E+01
5954	483729.03	3857370.08	5.45233	8.02872	3.5198	2.34436	4.16E-01	8.57E+01	3.89E-01	1.34E-01	8.66E+01	4.04E-01	3.62E-04	3.89E-02	2.62E-02	4.69E-01	4.53E-01	8.57E+01	3.89E-01	1.34E-01	8.67E+01
5955	483728.44	3857290.06	5.40996	8.60184	3.7324	2.57835	4.12E-01	9.18E+01	4.13E-01	1.47E-01	9.28E+01	4.01E-01	3.88E-04	4.13E-02	2.89E-02	4.71E-01	4.49E-01	9.18E+01	4.13E-01	1.47E-01	9.28E+01
5956	483727.86	3857210.03	5.34153	9.20909	3.8384	2.8132	4.07E-01	9.83E+01	4.24E-01	1.61E-01	9.93E+01	3.95E-01	4.15E-04	4.24E-02	3.15E-02	4.70E-01	4.43E-01	9.83E+01	4.24E-01	1.61E-01	9.93E+01
5957	483641.15	3857129.07	5.16168	10.0508	3.7993	1.93352	3.93E-01	1.07E+02	4.20E-01	1.11E-01	1.08E+02	3.82E-01	4.53E-04	4.20E-02	2.16E-02	4.46E-01	4.29E-01	1.07E+02	4.20E-01	1.11E-01	1.08E+02
5958	483555.03	3857128.14	5.06497	9.28003	3.7585	2.22739	3.86E-01	9.90E+01	4.16E-01	1.27E-01	1.00E+02	3.75E-01	4.18E-04	4.16E-02	2.49E-02	4.42E-01	4.20E-01	9.90E+01	4.16E-01	1.27E-01	1.00E+02
5959	483468.91	3857127.2	4.89957	8.79299	3.7028	2.30331	3.73E-01	9.38E+01	4.09E-01	1.32E-01	9.48E+01	3.63E-01	3.96E-04	4.09E-02	2.58E-02	4.30E-01	4.07E-01	9.38E+01	4.09E-01	1.32E-01	9.48E+01
5960	483382.78	3857126.26	4.75902	8.167	3.663	2.2314	3.63E-01	8.72E+01	4.05E-01	1.28E-01	8.81E+01	3.52E-01	3.68E-04	4.05E-02	2.50E-02	4.18E-01	3.95E-01	8.72E+01	4.05E-01	1.28E-01	8.81E+01
5961	483296.66	3857125.32	4.70331	7.71129	3.6122	2.6911	3.58E-01	8.23E+01	3.99E-01	1.54E-01	8.32E+01	3.48E-01	3.48E-04	3.99E-02	3.01E-02	4.19E-01	3.90E-01	8.23E+01	3.99E-01	1.54E-01	8.32E+01
5962	483210.54	3857124.39	4.63721	7.28117	3.5557	2.71533	3.53E-01	7.77E+01	3.93E-01	1.55E-01	7.86E+01	3.43E-01	3.28E-04	3.93E-02	3.04E-02	4.13E-01	3.85E-01	7.77E+01	3.93E-01	1.55E-01	7.86E+01
5963	483123.4	3857030.96	5.03497	7.64053	3.5277	1.90983	3.84E-01	8.15E+01	3.90E-01	1.09E-01	8.24E+01	3.73E-01	3.44E-04	3.90E-02	2.14E-02	4.33E-01	4.18E-01	8.15E+01	3.90E-01	1.09E-01	8.25E+01
5964	483122.38	3856938.46	5.43948	8.37246	3.6983	1.72021	4.15E-01	8.93E+01	4.09E-01	9.84E-02	9.03E+01	4.03E-01	3.77E-04	4.09E-02	1.93E-02	4.63E-01	4.52E-01	8.93E+01	4.09E-01	9.84E-02	9.03E+01
5965	483121.35	3856845.97	5.74508	8.95841	3.8752	0.9109	4.38E-01	9.56E+01	4.28E-01	5.21E-02	9.65E+01	4.25E-01	4.04E-04	4.28E-02	1.02E-02	4.79E-01	4.77E-01	9.56E+01	4.28E-01	5.21E-02	9.66E+01
5966	483120.33	3856753.47	5.90795	9.60002	3.8922	0.87562	4.50E-01	1.02E+02	4.30E-01	5.01E-02	1.03E+02	4.37E-01	4.33E-04	4.30E-02	9.80E-03	4.91E-01	4.90E-01	1.02E+02	4.30E-01	5.01E-02	1.03E+02
5967	483119.31	3856660.98	6.02605	9.79844	3.7798	1.24671	4.59E-01	1.05E+02	4.18E-01	7.13E-02	1.06E+02	4.46E-01	4.42E-04	4.18E-02	1.40E-02	5.02E-01	5.00E-01	1.05E+02	4.18E-01	7.13E-02	1.06E+02
5968	483118.29	3856568.49	6.15571	9.52985	3.5625	1.4906	4.69E-01	1.02E+02	3.94E-01	8.52E-02	1.03E+02	4.56E-01	4.30E-04	3.94E-02	1.67E-02	5.12E-01	5.11E-01	1.02E+02	3.94E-01	8.52E-02	1.03E+02
5969	483117.26	3856475.99	6.30154	9.74226	3.4457	1.07431	4.80E-01	1.04E+02	3.81E-01	6.14E-02	1.05E+02	4.67E-01	4.39E-04	3.81E-02	1.20E-02	5.17E-01	5.23E-01	1.04E+02	3.81E-01	6.14E-02	1.05E+02
5970	483116.24	3856383.5	6.43079	9.99575	3.382	1.27081	4.90E-01	1.07E+02	3.74E-01	7.27E-02	1.08E+02	4.76E-01	4.51E-04	3.74E-02	1.42E-02	5.28E-01	5.34E-01	1.07E+02	3.74E-01	7.27E-02	1.08E+02
5971	483115.22	3856291.01	6.57262	10.1408	3.5743	2.06165	5.01E-01	1.08E+02	3.95E-01	1.18E-01	1.09E+02	4.87E-01	4.57E-04	3.95E-02	2.31E-02	5.50E-01	5.46E-01	1.08E+02	3.95E-01	1.18E-01	1.09E+02
5972	483114.2	3856198.51	6.68694	10.3871	3.6188	2.27455	5.10E-01	1.11E+02	4.00E-01	1.30E-01	1.12E+02	4.95E-01	4.68E-04	4.00E-02	2.55E-02	5.61E-01	5.55E-01	1.11E+02	4.00E-01	1.30E-01	1.12E+02
5973	483113.17	3856106.02	6.86965	10.2923	3.536	1.85145	5.24E-01	1.10E+02	3.91E-01	1.06E-01	1.11E+02	5.09E-01	4.64E-04	3.91E-02	2.07E-02	5.69E-01	5.70E-01	1.10E+02	3.91E-01	1.06E-01	1.11E+02
5974	483112.15	3856013.52	7.0713	10.5375	3.5995	3.12161	5.39E-01	1.12E+02	3.98E-01	1.79E-01	1.14E+02	5.24E-01	4.75E-04	3.98E-02	3.49E-02	5.99E-01	5.87E-01	1.12E+02	3.98E-01	1.79E-01	1.14E+02

5975	483029.25	3855920.47	7.26894	9.26518	4.0792	2.34271	5.54E-01	9.89E+01	4.51E-01	1.34E-01	1.00E+02	5.38E-01	4.18E-04	4.51E-02	2.62E-02	6.10E-01	6.03E-01	9.89E+01	4.51E-01	1.34E-01	1.00E+02
5976	482947.37	3855919.91	7.10952	8.53143	3.8638	2.3171	5.42E-01	9.10E+01	4.27E-01	1.32E-01	9.21E+01	5.26E-01	3.85E-04	4.27E-02	2.59E-02	5.95E-01	5.90E-01	9.10E+01	4.27E-01	1.32E-01	9.22E+01
5977	482865.49	3855919.36	6.94161	8.51797	3.6012	2.15587	5.29E-01	9.09E+01	3.98E-01	1.23E-01	9.20E+01	5.14E-01	3.84E-04	3.98E-02	2.41E-02	5.78E-01	5.76E-01	9.09E+01	3.98E-01	1.23E-01	9.20E+01
5978	482783.61	3855918.8	6.81608	8.24422	3.7352	1.91627	5.20E-01	8.80E+01	4.13E-01	1.10E-01	8.90E+01	5.05E-01	3.72E-04	4.13E-02	2.15E-02	5.68E-01	5.66E-01	8.80E+01	4.13E-01	1.10E-01	8.91E+01
5979	482700.33	3855818.39	6.9817	8.61279	3.8926	1.78921	5.32E-01	9.19E+01	4.30E-01	1.02E-01	9.30E+01	5.17E-01	3.88E-04	4.30E-02	2.00E-02	5.80E-01	5.80E-01	9.19E+01	4.30E-01	1.02E-01	9.30E+01
5980	482698.92	3855718.54	7.31404	8.41057	4.5202	1.38258	5.57E-01	8.98E+01	5.00E-01	7.91E-02	9.09E+01	5.41E-01	3.79E-04	5.00E-02	1.55E-02	6.07E-01	6.07E-01	8.98E+01	5.00E-01	7.91E-02	9.09E+01
5981	482697.52	3855618.68	7.55904	8.2402	4.7293	1.5061	5.76E-01	8.79E+01	5.23E-01	8.61E-02	8.91E+01	5.60E-01	3.71E-04	5.23E-02	1.69E-02	6.29E-01	6.28E-01	8.79E+01	5.23E-01	8.61E-02	8.92E+01
5982	482696.11	3855518.83	7.71286	8.20192	4.6009	1.72334	5.88E-01	8.75E+01	5.09E-01	9.85E-02	8.87E+01	5.71E-01	3.70E-04	5.09E-02	1.93E-02	6.42E-01	6.40E-01	8.75E+01	5.09E-01	9.85E-02	8.88E+01
5983	482694.71	3855418.98	7.55268	8.23923	4.07	1.91631	5.76E-01	8.79E+01	4.50E-01	1.10E-01	8.91E+01	5.59E-01	3.71E-04	4.50E-02	2.15E-02	6.26E-01	6.27E-01	8.79E+01	4.50E-01	1.10E-01	8.91E+01
5984	482693.3	3855319.13	7.17652	7.9603	3.3298	2.06354	5.47E-01	8.49E+01	3.68E-01	1.18E-01	8.60E+01	5.31E-01	3.59E-04	3.68E-02	2.31E-02	5.92E-01	5.96E-01	8.50E+01	3.68E-01	1.18E-01	8.60E+01
5985	482691.9	3855219.27	6.85556	6.96923	2.5056	2.14133	5.23E-01	7.44E+01	2.77E-01	1.22E-01	7.53E+01	5.08E-01	3.14E-04	2.77E-02	2.40E-02	5.60E-01	5.69E-01	7.44E+01	2.77E-01	1.22E-01	7.53E+01
5986	482690.49	3855119.42	6.26924	6.13321	1.7534	3.0759	4.78E-01	6.55E+01	1.94E-01	1.76E-01	6.63E+01	4.64E-01	2.76E-04	1.94E-02	3.44E-02	5.18E-01	5.20E-01	6.55E+01	1.94E-01	1.76E-01	6.63E+01
5987	482689.09	3855019.57	5.29716	6.06447	1.4697	3.47521	4.04E-01	6.47E+01	1.62E-01	1.99E-01	6.55E+01	3.92E-01	2.73E-04	1.62E-02	3.89E-02	4.48E-01	4.40E-01	6.47E+01	1.62E-01	1.99E-01	6.55E+01
5988	482687.68	3854919.72	5.74777	6.1352	1.4013	2.33845	4.38E-01	6.55E+01	1.55E-01	1.34E-01	6.62E+01	4.26E-01	2.77E-04	1.55E-02	2.62E-02	4.67E-01	4.77E-01	6.55E+01	1.55E-01	1.34E-01	6.62E+01
5989	482686.28	3854819.86	6.15077	5.55499	1.3571	2.17617	4.69E-01	5.93E+01	1.50E-01	1.24E-01	6.00E+01	4.55E-01	2.50E-04	1.50E-02	2.44E-02	4.95E-01	5.11E-01	5.93E+01	1.50E-01	1.24E-01	6.01E+01
5990	482684.88	3854720.01	6.80045	4.93944	1.5458	1.85275	5.18E-01	5.27E+01	1.71E-01	1.06E-01	5.35E+01	5.03E-01	2.23E-04	1.71E-02	2.07E-02	5.42E-01	5.65E-01	5.27E+01	1.71E-01	1.06E-01	5.36E+01
5991	482683.47	3854620.16	7.30096	4.06853	1.7382	1.59797	5.56E-01	4.34E+01	1.92E-01	9.14E-02	4.43E+01	5.41E-01	1.83E-04	1.92E-02	1.79E-02	5.78E-01	6.06E-01	4.34E+01	1.92E-01	9.14E-02	4.43E+01
5992	482682.07	3854520.31	7.51276	3.50452	1.9344	1.3661	5.73E-01	3.74E+01	2.14E-01	7.81E-02	3.83E+01	5.56E-01	1.58E-04	2.14E-02	1.53E-02	5.93E-01	6.24E-01	3.74E+01	2.14E-01	7.81E-02	3.83E+01
5993	482680.66	3854420.45	7.55202	3.21962	2.1268	2.11072	5.76E-01	3.44E+01	2.35E-01	1.21E-01	3.53E+01	5.59E-01	1.45E-04	2.35E-02	2.36E-02	6.06E-01	6.27E-01	3.44E+01	2.35E-01	1.21E-01	3.53E+01
5994	482679.26	3854320.6	7.43859	3.0248	2.3097	2.60487	5.67E-01	3.23E+01	2.55E-01	1.49E-01	3.33E+01	5.51E-01	1.36E-04	2.55E-02	2.92E-02	6.06E-01	6.18E-01	3.23E+01	2.55E-01	1.49E-01	3.33E+01
5995	482677.85	3854220.75	7.1443	2.762	2.4749	2.51075	5.45E-01	2.95E+01	2.74E-01	1.44E-01	3.04E+01	5.29E-01	1.25E-04	2.74E-02	2.81E-02	5.85E-01	5.93E-01	2.95E+01	2.74E-01	1.44E-01	3.05E+01
5996	482676.45	3854120.9	6.36604	2.59469	2.6234	2.05602	4.85E-01	2.77E+01	2.90E-01	1.18E-01	2.86E+01	4.71E-01	1.17E-04	2.90E-02	2.30E-02	5.23E-01	5.29E-01	2.77E+01	2.90E-01	1.18E-01	2.86E+01
5997	482675.04	3854021.04	6.5237	2.38945	2.7448	1.61362	4.97E-01	2.55E+01	3.03E-01	9.23E-02	2.64E+01	4.83E-01	1.08E-04	3.03E-02	1.81E-02	5.31E-01	5.42E-01	2.55E+01	3.03E-01	9.23E-02	2.64E+01
5998	482673.64	3853921.19	6.97848	2.1861	2.8368	1.31009	5.32E-01	2.33E+01	3.14E-01	7.49E-02	2.42E+01	5.17E-01	9.85E-05	3.14E-02	1.47E-02	5.63E-01	5.79E-01	2.33E+01	3.14E-01	7.49E-02	2.43E+01
5999	482672.23	3853821.34	7.04772	1.96814	2.8957	1.13782	5.37E-01	2.10E+01	3.20E-01	6.51E-02	2.19E+01	5.22E-01	8.87E-05	3.20E-02	1.27E-02	5.67E-01	5.85E-01	2.10E+01	3.20E-01	6.51E-02	2.20E+01
6000	482670.83	3853721.49	6.53567	1.76601	2.9219	1.18081	4.98E-01	1.88E+01	3.23E-01	6.75E-02	1.97E+01	4.84E-01	7.96E-05	3.23E-02	1.32E-02	5.29E-01	5.43E-01	1.88E+01	3.23E-01	6.75E-02	1.98E+01
6001	482669.42	3853621.63	5.63896	1.60454	2.9155	1.18083	4.30E-01	1.71E+01	3.22E-01	6.75E-02	1.79E+01	4.17E-01	7.23E-05	3.22E-02	1.32E-02	4.63E-01	4.68E-01	1.71E+01	3.22E-01	6.75E-02	1.80E+01
6002	482645.99	3853446.13	5.84745	1.53247	2.8336	1.01966	4.46E-01	1.64E+01	3.13E-01	5.83E-02	1.72E+01	4.33E-01	6.91E-05	3.13E-02	1.14E-02	4.76E-01	4.85E-01	1.64E+01	3.13E-01	5.83E-02	1.72E+01
6003	482623.97	3853370.49	5.76013	1.51837	2.7811	0.96005	4.39E-01	1.62E+01	3.07E-01	5.49E-02	1.70E+01	4.26E-01	6.84E-05	3.07E-02	1.07E-02	4.68E-01	4.78E-01	1.62E+01	3.07E-01	5.49E-02	1.70E+01
6004	482601.94	3853294.84	5.49169	1.50254	2.7207	0.90154	4.19E-01	1.60E+01	3.01E-01	5.16E-02	1.68E+01	4.07E-01	6.77E-05	3.01E-02	1.01E-02	4.47E-01	4.56E-01	1.60E+01	3.01E-01	5.16E-02	1.68E+01
6005	482531.29	3853133.44	5.55514	1.47866	2.5855	0.84245	4.23E-01	1.58E+01	2.86E-01	4.82E-02	1.65E+01	4.11E-01	6.67E-05	2.86E-02	9.43E-03	4.49E-01	4.61E-01	1.58E+01	2.86E-01	4.82E-02	1.66E+01
6006	482482.68	3853047.69	5.41968	1.45973	2.5152	0.81874	4.13E-01	1.56E+01	2.78E-01	4.68E-02	1.63E+01	4.01E-01	6.58E-05	2.78E-02	9.17E-03	4.38E-01	4.50E-01	1.56E+01	2.78E-01	4.68E-02	1.64E+01
6007	482383.09	3852897.4	5.46177	1.44012	2.4016	0.7727	4.16E-01	1.54E+01	2.66E-01	4.42E-02	1.61E+01	4.04E-01	6.49E-05	2.66E-02	8.65E-03	4.40E-01	4.53E-01	1.54E+01	2.66E-01	4.42E-02	1.61E+01
6008	482265.64	3852765.26	5.3529	1.37334	2.3263	0.71818	4.08E-01	1.47E+01	2.57E-01	4.11E-02	1.54E+01	3.96E-01	6.19E-05	2.57E-02	8.04E-03	4.30E-01	4.44E-01	1.47E+01	2.57E-01	4.11E-02	1.54E+01
6009	482199.16	3852697.66	5.22736	1.31533	2.2938	0.68702	3.98E-01	1.40E+01	2.54E-01	3.93E-02	1.47E+01	3.87E-01	5.93E-05	2.54E-02	7.69E-03	4.20E-01	4.34E-01	1.40E+01	2.54E-01	3.93E-02	1.48E+01
6010	482132.69	3852630.07	5.11187	1.27871	2.2617	0.65612	3.90E-01	1.36E+01	2.50E-01	3.75E-02	1.43E+01	3.78E-01	5.76E-05	2.50E-02	7.34E-03	4.11E-01	4.24E-01	1.36E+01	2.50E-01	3.75E-02	1.44E+01
6011	482066.21	3852562.48	4.99669	1.27249	2.2304	0.62592	3.81E-01	1.36E+01	2.47E-01	3.58E-02	1.42E+01	3.70E-01	5.74E-05	2.47E-02	7.01E-03	4.02E-01	4.15E-01	1.36E+01	2.47E-01	3.58E-02	1.43E+01
6012	481999.74	3852494.89	4.88129	1.27294	2.1998	0.59667	3.72E-01	1.36E+01	2.43E-01	3.41E-02	1.42E+01	3.61E-01	5.74E-05	2.43E-02	6.68E-03	3.92E-01	4.05E-01	1.36E+01	2.43E-01	3.41E-02	1.43E+01
6013	481933.26	3852427.29	4.76973	1.27692	2.1699	0.56842	3.64E-01	1.36E+01	2.40E-01	3.25E-02	1.43E+01	3.53E-01	5.76E-05	2.40E-02	6.36E-03	3.84E-01	3.96E-01	1.36E+01	2.40E-01	3.25E-02	1.43E+01
6014	481866.79	3852359.7	4.67223	1.27602	2.1401	0.5462	3.56E-01	1.36E+01	2.37E-01	3.12E-02	1.42E+01	3.46E-01	5.75E-05	2.37E-02	6.11E-03	3.76E-01	3.88E-01	1.36E+01	2.37E-01	3.12E-02	1.43E+01
6015	481800.31	3852292.11	4.57898	1.27394	2.1108	0.53911	3.49E-01	1.36E+01	2.33E-01	3.08E-02	1.42E+01	3.39E-01	5.74E-05	2.33E-02	6.03E-03	3.68E-01	3.80E-01	1.36E+01	2.33E-01	3.08E-02	1.42E+01
6016	481733.84	3852224.52	4.48626	1.27221	2.0821	0.53174	3.42E-01	1.36E+01	2.30E-01	3.04E-02	1.42E+01	3.32E-01	5.73E-05	2.30E-02	5.95E-03	3.61E-01	3.72E-01	1.36E+01	2.30E-01	3.04E-02	1.42E+01
6017	481667.36	3852156.92	4.40169	1.26028	2.0536	0.52424	3.36E-01	1.34E+01	2.27E-01	3.00E-02	1.40E+01	3.26E-01	5.68E-05	2.27E-02	5.87E-03	3.55E-01	3.65E-01	1.34E+01	2.27E-01	3.00E-02	1.41E+01
6018	481600.89	3852089.33	4.30552	1.26047	2.0266	0.51638	3.28E-01	1.35E+01	2.24E-01	2.95E-02	1.40E+01	3.19E-01	5.68E-05	2.24E-02	5.78E-03	3.47E-01	3.57E-01	1.35E+01	2.24E-01	2.95E-02	1.41E+01
6019	481534.41	3852021.74	4.20972	1.25845	2.0004	0.50836	3.21E-01	1.34E+01	2.21E-01	2.91E-02	1.40E+01	3.12E-01	5.67E-05	2.21E-02	5.69E-03	3.40E-01	3.49E-01	1.34E+01	2.21E-01	2.91E-02	1.40E+01
6020	481467.94	3851954.15	4.12067	1.24634	1.9744	0.50031	3.14E-01	1.33E+01	2.18E-01	2.86E-02	1.39E+01	3.05E-01	5.62E-05	2.18E-02	5.60E-03	3.33E-01	3.42E-01	1.33E+01	2.18E-01	2.86E-02	1.39E+01
6021	481401.46	3851886.55	4.04108	1.22042	1.9484	0.49231	3.08E-01	1.30E+01	2.15E-01	2.82E-02	1.36E+01	2.99E-01	5.50E-05	2.15E-02	5.51E-03	3.26E-01	3.35E-01	1.30E+01	2.15E-01	2.82E-02	1.36E+01
6022	481265.87	3851761.43	3.80702	1.15961	1.9121	0.47558	2.90E-01	1.24E+01	2.11E-01	2.72E-02	1.29E+01	2.82E-01	5.23E-05	2.11E-02	5.32E-03	3.08E-01	3.16E-01	1.24E+01	2.11E-01	2.72E-02	1.29E+01
6023	481196.74	3851703.89	3.66606	1.14166	1.9006	0.4669	2.79E-01	1.22E+01	2.10E-01	2.67E-02	1.27E+01	2.71E-01	5.15E-05	2.10E-02	5.23E-03	2.98E-01	3.04E-01	1.22E+01	2.10E-01	2.67E-02	1.27E+01
6024	481076.33	3851619.05	3.34756	1.19039	1.8979	0.4511	2.55E-01	1.27E+01	2.10E-01	2.58E-02	1.32E+01	2.48E-01	5.37E-05	2.10E-02	5.05E-03	2.74E-01	2.78E-01	1.27E+01	2.10E-01	2.58E-02	1.32E+01
6025	480939.8	3851549.07	3.275	1.25392	1.9202	0.4318	2.50E-01	1.34E+01	2.12E-01	2.47E-02	1.39E+01	2.42E-01	5.65E-05	2.12E-02	4.83E-03	2.69E-01	2.72E-01	1.34E+01	2.12E-01	2.47E-02	1.39E+01
6026	480854.56	3851506.41	3.27207	1.28375	1.9336	0.43565	2.49E-01	1.37E+01	2.14E-01	2.49E-02	1.42E+01	2.42E-01	5.79E-05	2.14E-02	4.88E-03	2.69E-01	2.72E-01	1.37E+01	2.14E-01	2.49E-02	1.42E+01
6027	480769.32	3851463.75	3.23962	1.29409	1.9455	0.4462	2.47E-01	1.38E+01	2.15E-01	2.55E-02	1.43E+01	2.40E-01	5.83E-05	2.15E-02	4.99E-03	2.66E-01	2.69E-01	1.38E+01	2.15E-01	2.55E-02	1.43E+01
6028	480684.08	3851421.08	3.17856	1.28683	1.9561	0.45755	2.42E-01	1.37E+01	2.16E-01	2.62E-02	1.42E+01	2.35E-01	5.80E-05	2.16E-02	5.12E-03	2.62E-01	2.64E-01	1.37E+01	2.16E-01	2.62E-02	1.42E+01
6029	480598.84	3851378.42	3.08861	1.27311	1.9657	0.45508	2.35E-01	1.36E+01	2.17E-01	2.60E-02	1.41E+01	2.29E-01	5.74E-05	2.17E-02	5.09E-03	2.56E-01	2.56E-01	1.36E+01	2.17E-01	2.60E-02	1.41E+01
6030	480435.71	3851275.01	2.9046	1.20179	1.9626	0.47341	2.21E-01	1.28E+01	2.17E-01	2.71E-02	1.33E+01	2.15E-01	5.42E-05	2.17E-02	5.30E-03	2.42E-01	2.41E-01	1.28E+01	2.17E-01	2.71E-02	1.33E+01
6031	480347.85	3851232.36	2.76689	1.15342	1.9703	0.47997	2.11E-01	1.23E+01	2.18E-01	2.74E-02	1.28E+01	2.05E-01	5.20E-05	2.18E-02	5.37E-03	2.32E-01	2.30E-01	1.23E+01	2.18E-01	2.74E-02	1.28E+01
6032	480260	3851189.72	2.62822	1.12043	1.9765	0.49024	2.00E-01	1.20E+01	2.19E-01	2.80E-02	1.24E+01	1.95E-01	5.05E-05	2.19E-02	5.49E-03	2.22E-01	2.18E-01	1.20E+01	2.19E-01	2.80E-02	1.24E+01
6033	480172.15	3851147.07	2.64156	1.1563	1.9813	0.50274	2.01E-01	1.23E+01	2.19E-01	2.87E-02	1.28E+01	1.96E-01	5.21E-05	2.19E-02	5.63E-03	2.23E-01	2.19E-01	1.23E+01	2.19E-01	2.87E-02	1.28E+01
6034	480084.29	3851104.42	2.63802	1.18862	1.9847	0.52093	2.01E-01	1.27E+01	2.19E-01	2.98E-02	1.31E+01	1.95E-01	5.36E-05	2.19E-02	5.83E-03	2.23E-01	2.19E-01	1.27E+01	2.19E-01	2.98E-02	1.32E+01
6035	479996.44	3851061.77	2.62005	1.21774	1.9866	0.54396	2.00E-01	1.30E+01	2.20E-01	3.11E-02	1.34E+01	1.94E-01	5.49E-05	2.20E-02	6.09E-03	2.22E-01	2.18E-01	1.30E+01	2.20E-01	3.11E-02	1.35E+01

6036	479908.58	3851019.13	2.58798	1.22342	1.9867	0.62192	1.97E-01	1.31E+01	2.20E-01	3.56E-02	1.35E+01	1.92E-01	5.51E-05	2.20E-02	6.96E-03	2.21E-01	2.15E-01	1.31E+01	2.20E-01	3.56E-02	1.35E+01
6037	479820.73	3850976.48	2.54169	1.25393	1.9863	0.63462	1.94E-01	1.34E+01	2.20E-01	3.63E-02	1.38E+01	1.88E-01	5.65E-05	2.20E-02	7.10E-03	2.17E-01	2.11E-01	1.34E+01	2.20E-01	3.63E-02	1.38E+01
6038	479732.88	3850933.83	2.48441	1.28722	1.9848	0.63968	1.89E-01	1.37E+01	2.19E-01	3.66E-02	1.42E+01	1.84E-01	5.80E-05	2.19E-02	7.16E-03	2.13E-01	2.06E-01	1.37E+01	2.19E-01	3.66E-02	1.42E+01
6039	479645.02	3850891.18	2.45554	1.32654	1.9823	0.63201	1.87E-01	1.42E+01	2.19E-01	3.61E-02	1.46E+01	1.82E-01	5.98E-05	2.19E-02	7.07E-03	2.11E-01	2.04E-01	1.42E+01	2.19E-01	3.61E-02	1.46E+01
6040	479557.17	3850848.54	2.44668	1.37505	1.9787	0.60646	1.86E-01	1.47E+01	2.19E-01	3.47E-02	1.51E+01	1.81E-01	6.20E-05	2.19E-02	6.79E-03	2.10E-01	2.03E-01	1.47E+01	2.19E-01	3.47E-02	1.51E+01
6041	479469.32	3850805.89	2.42399	1.4073	1.9737	0.61197	1.85E-01	1.50E+01	2.18E-01	3.50E-02	1.55E+01	1.79E-01	6.34E-05	2.18E-02	6.85E-03	2.08E-01	2.01E-01	1.50E+01	2.18E-01	3.50E-02	1.55E+01
6042	479381.46	3850763.24	2.38986	1.46805	1.9682	0.56551	1.82E-01	1.57E+01	2.18E-01	3.23E-02	1.61E+01	1.77E-01	6.62E-05	2.18E-02	6.33E-03	2.05E-01	1.98E-01	1.57E+01	2.18E-01	3.23E-02	1.61E+01
6043	479293.61	3850720.59	2.34621	1.54671	1.9619	0.49346	1.79E-01	1.65E+01	2.17E-01	2.82E-02	1.69E+01	1.74E-01	6.97E-05	2.17E-02	5.52E-03	2.01E-01	1.95E-01	1.65E+01	2.17E-01	2.82E-02	1.69E+01
6044	479205.76	3850677.95	2.29291	1.61642	1.9546	0.48875	1.75E-01	1.72E+01	2.16E-01	2.79E-02	1.77E+01	1.70E-01	7.29E-05	2.16E-02	5.47E-03	1.97E-01	1.90E-01	1.73E+01	2.16E-01	2.79E-02	1.77E+01
6045	479117.9	3850635.3	2.23097	1.69072	1.9465	0.50025	1.70E-01	1.80E+01	2.15E-01	2.86E-02	1.85E+01	1.65E-01	7.62E-05	2.15E-02	5.60E-03	1.92E-01	1.85E-01	1.80E+01	2.15E-01	2.86E-02	1.85E+01
6046	479030.05	3850592.65	2.16096	1.74706	1.9373	0.5117	1.65E-01	1.86E+01	2.14E-01	2.93E-02	1.91E+01	1.60E-01	7.88E-05	2.14E-02	5.73E-03	1.87E-01	1.79E-01	1.86E+01	2.14E-01	2.93E-02	1.91E+01
6047	478942.19	3850550	2.08665	1.75782	1.9265	0.52311	1.59E-01	1.88E+01	2.13E-01	2.99E-02	1.92E+01	1.54E-01	7.92E-05	2.13E-02	5.86E-03	1.82E-01	1.73E-01	1.88E+01	2.13E-01	2.99E-02	1.92E+01
6048	478854.34	3850507.36	2.15613	1.69696	1.9141	0.53446	1.64E-01	1.81E+01	2.12E-01	3.06E-02	1.85E+01	1.60E-01	7.65E-05	2.12E-02	5.98E-03	1.87E-01	1.79E-01	1.81E+01	2.12E-01	3.06E-02	1.85E+01
6049	478766.49	3850464.71	2.11796	1.681	1.9019	0.54567	1.61E-01	1.79E+01	2.10E-01	3.12E-02	1.83E+01	1.57E-01	7.58E-05	2.10E-02	6.11E-03	1.84E-01	1.76E-01	1.79E+01	2.10E-01	3.12E-02	1.84E+01
6050	478678.63	3850422.06	2.02852	1.67545	1.8892	0.55675	1.55E-01	1.79E+01	2.09E-01	3.18E-02	1.83E+01	1.50E-01	7.55E-05	2.09E-02	6.23E-03	1.77E-01	1.68E-01	1.79E+01	2.09E-01	3.18E-02	1.83E+01
6051	478590.78	3850379.41	1.92877	1.6545	1.8758	0.56768	1.47E-01	1.77E+01	2.07E-01	3.25E-02	1.80E+01	1.43E-01	7.46E-05	2.07E-02	6.35E-03	1.70E-01	1.60E-01	1.77E+01	2.07E-01	3.25E-02	1.81E+01
6052	478502.93	3850336.77	1.90656	1.64502	1.8619	0.57842	1.45E-01	1.76E+01	2.06E-01	3.31E-02	1.79E+01	1.41E-01	7.42E-05	2.06E-02	6.48E-03	1.68E-01	1.58E-01	1.76E+01	2.06E-01	3.31E-02	1.80E+01
6053	478415.07	3850294.12	1.92431	1.63795	1.8475	0.58897	1.47E-01	1.75E+01	2.04E-01	3.37E-02	1.79E+01	1.42E-01	7.38E-05	2.04E-02	6.59E-03	1.70E-01	1.60E-01	1.75E+01	2.04E-01	3.37E-02	1.79E+01
6054	478327.22	3850251.47	1.95536	1.59641	1.8324	0.59931	1.49E-01	1.70E+01	2.03E-01	3.43E-02	1.74E+01	1.45E-01	7.20E-05	2.03E-02	6.71E-03	1.72E-01	1.62E-01	1.70E+01	2.03E-01	3.43E-02	1.74E+01
6055	478239.36	3850208.82	1.96622	1.55708	1.8169	0.60941	1.50E-01	1.66E+01	2.01E-01	3.48E-02	1.70E+01	1.46E-01	7.02E-05	2.01E-02	6.82E-03	1.73E-01	1.63E-01	1.66E+01	2.01E-01	3.48E-02	1.70E+01
6056	478151.51	3850166.18	1.95861	1.5192	1.8009	0.61926	1.49E-01	1.62E+01	1.99E-01	3.54E-02	1.66E+01	1.45E-01	6.85E-05	1.99E-02	6.93E-03	1.72E-01	1.63E-01	1.62E+01	1.99E-01	3.54E-02	1.66E+01
6057	478063.66	3850123.53	1.93686	1.47903	1.7845	0.62883	1.48E-01	1.58E+01	1.97E-01	3.60E-02	1.62E+01	1.43E-01	6.67E-05	1.97E-02	7.04E-03	1.70E-01	1.61E-01	1.58E+01	1.97E-01	3.60E-02	1.62E+01
6058	477975.8	3850080.88	1.81581	1.54655	1.7687	0.63804	1.38E-01	1.65E+01	1.96E-01	3.65E-02	1.69E+01	1.34E-01	6.97E-05	1.96E-02	7.14E-03	1.61E-01	1.51E-01	1.65E+01	1.96E-01	3.65E-02	1.69E+01
6059	477887.95	3850038.23	1.76296	1.52396	1.7518	0.647	1.34E-01	1.63E+01	1.94E-01	3.70E-02	1.66E+01	1.31E-01	6.87E-05	1.94E-02	7.24E-03	1.57E-01	1.46E-01	1.63E+01	1.94E-01	3.70E-02	1.66E+01
6060	477800.1	3849995.59	1.72662	1.50694	1.7347	0.65564	1.32E-01	1.61E+01	1.92E-01	3.75E-02	1.64E+01	1.28E-01	6.79E-05	1.92E-02	7.34E-03	1.54E-01	1.43E-01	1.61E+01	1.92E-01	3.75E-02	1.65E+01
6061	477712.24	3849952.94	1.71971	1.4557	1.7171	0.66397	1.31E-01	1.55E+01	1.90E-01	3.80E-02	1.59E+01	1.27E-01	6.56E-05	1.90E-02	7.43E-03	1.54E-01	1.43E-01	1.55E+01	1.90E-01	3.80E-02	1.59E+01
6062	477624.39	3849910.29	1.70728	1.39845	1.6991	0.67196	1.30E-01	1.49E+01	1.88E-01	3.84E-02	1.53E+01	1.26E-01	6.30E-05	1.88E-02	7.52E-03	1.53E-01	1.42E-01	1.49E+01	1.88E-01	3.84E-02	1.53E+01
6063	477536.54	3849867.64	1.67648	1.34285	1.681	0.6796	1.28E-01	1.43E+01	1.86E-01	3.89E-02	1.47E+01	1.24E-01	6.05E-05	1.86E-02	7.61E-03	1.50E-01	1.39E-01	1.43E+01	1.86E-01	3.89E-02	1.47E+01
6064	477448.68	3849825	1.67121	1.26883	1.6624	0.68692	1.27E-01	1.35E+01	1.84E-01	3.93E-02	1.39E+01	1.24E-01	5.72E-05	1.84E-02	7.69E-03	1.50E-01	1.39E-01	1.35E+01	1.84E-01	3.93E-02	1.39E+01
6065	477360.83	3849782.35	1.65659	1.19527	1.6437	0.69386	1.26E-01	1.28E+01	1.82E-01	3.97E-02	1.31E+01	1.23E-01	5.39E-05	1.82E-02	7.77E-03	1.49E-01	1.38E-01	1.28E+01	1.82E-01	3.97E-02	1.31E+01
6066	477272.97	3849739.7	1.637	1.16883	1.6248	0.70045	1.25E-01	1.25E+01	1.80E-01	4.01E-02	1.28E+01	1.21E-01	5.27E-05	1.80E-02	7.84E-03	1.47E-01	1.36E-01	1.25E+01	1.80E-01	4.01E-02	1.28E+01
6067	477185.12	3849697.05	1.60203	1.16277	1.6058	0.70665	1.22E-01	1.24E+01	1.78E-01	4.04E-02	1.27E+01	1.19E-01	5.24E-05	1.78E-02	7.91E-03	1.44E-01	1.33E-01	1.24E+01	1.78E-01	4.04E-02	1.28E+01
6068	477097.27	3849654.41	1.58973	1.15675	1.5865	0.71251	1.21E-01	1.23E+01	1.75E-01	4.07E-02	1.27E+01	1.18E-01	5.21E-05	1.75E-02	7.98E-03	1.43E-01	1.32E-01	1.23E+01	1.75E-01	4.07E-02	1.27E+01
6069	477009.41	3849611.76	1.61499	1.14065	1.5668	0.71805	1.23E-01	1.22E+01	1.73E-01	4.11E-02	1.25E+01	1.20E-01	5.14E-05	1.73E-02	8.04E-03	1.45E-01	1.34E-01	1.22E+01	1.73E-01	4.11E-02	1.25E+01
6070	476841.49	3849530.08	1.55258	1.14014	1.5295	0.72743	1.18E-01	1.22E+01	1.69E-01	4.16E-02	1.25E+01	1.15E-01	5.14E-05	1.69E-02	8.14E-03	1.40E-01	1.29E-01	1.22E+01	1.69E-01	4.16E-02	1.25E+01
6071	476761.41	3849491.05	1.51843	1.14324	1.5119	0.73138	1.16E-01	1.22E+01	1.67E-01	4.18E-02	1.25E+01	1.12E-01	5.15E-05	1.67E-02	8.19E-03	1.37E-01	1.26E-01	1.22E+01	1.67E-01	4.18E-02	1.25E+01
6072	476681.34	3849452.02	1.53496	1.1224	1.494	0.73505	1.17E-01	1.20E+01	1.65E-01	4.20E-02	1.23E+01	1.14E-01	5.06E-05	1.65E-02	8.23E-03	1.38E-01	1.27E-01	1.20E+01	1.65E-01	4.20E-02	1.23E+01
6073	476601.26	3849412.99	1.55808	1.08582	1.476	0.73843	1.19E-01	1.16E+01	1.63E-01	4.22E-02	1.19E+01	1.15E-01	4.89E-05	1.63E-02	8.27E-03	1.40E-01	1.29E-01	1.16E+01	1.63E-01	4.22E-02	1.19E+01
6074	476456.32	3849353.67	1.60268	0.97271	1.4384	0.74677	1.22E-01	1.04E+01	1.59E-01	4.27E-02	1.07E+01	1.19E-01	4.38E-05	1.59E-02	8.36E-03	1.43E-01	1.33E-01	1.04E+01	1.59E-01	4.27E-02	1.07E+01
6075	476305.43	3849318.84	1.64105	1.04831	1.3881	0.76013	1.25E-01	1.12E+01	1.53E-01	4.35E-02	1.15E+01	1.21E-01	4.73E-05	1.53E-02	8.51E-03	1.45E-01	1.36E-01	1.12E+01	1.53E-01	4.35E-02	1.15E+01
6076	476129.36	3849289.99	1.72471	1.15824	1.3217	0.77458	1.31E-01	1.24E+01	1.46E-01	4.43E-02	1.27E+01	1.28E-01	5.22E-05	1.46E-02	8.67E-03	1.51E-01	1.43E-01	1.24E+01	1.46E-01	4.43E-02	1.27E+01
6077	476039.31	3849275.68	1.7211	1.19585	1.287	0.78021	1.31E-01	1.28E+01	1.42E-01	4.46E-02	1.31E+01	1.27E-01	5.39E-05	1.42E-02	8.73E-03	1.50E-01	1.43E-01	1.28E+01	1.42E-01	4.46E-02	1.31E+01
6078	475949.26	3849261.38	1.74727	1.19556	1.2512	0.7847	1.33E-01	1.28E+01	1.38E-01	4.49E-02	1.31E+01	1.29E-01	5.39E-05	1.38E-02	8.78E-03	1.52E-01	1.45E-01	1.28E+01	1.38E-01	4.49E-02	1.31E+01
6079	475859.21	3849247.08	1.70182	1.20104	1.2158	0.78781	1.30E-01	1.28E+01	1.34E-01	4.50E-02	1.31E+01	1.26E-01	5.41E-05	1.34E-02	8.82E-03	1.48E-01	1.41E-01	1.28E+01	1.34E-01	4.50E-02	1.31E+01
6080	475769.16	3849232.77	1.63905	1.1808	1.1801	0.78967	1.25E-01	1.26E+01	1.30E-01	4.52E-02	1.29E+01	1.21E-01	5.32E-05	1.30E-02	8.84E-03	1.43E-01	1.36E-01	1.26E+01	1.30E-01	4.52E-02	1.29E+01
6081	475585.23	3849219.27	1.43774	0.86795	1.0954	0.79137	1.10E-01	9.26E+00	1.21E-01	4.53E-02	9.54E+00	1.06E-01	3.91E-05	1.21E-02	8.86E-03	1.27E-01	1.19E-01	9.26E+00	1.21E-01	4.53E-02	9.55E+00
6082	475444.5	3849150.35	1.55482	0.97368	1.068	0.7849	1.19E-01	1.04E+01	1.18E-01	4.49E-02	1.07E+01	1.15E-01	4.39E-05	1.18E-02	8.79E-03	1.36E-01	1.29E-01	1.04E+01	1.18E-01	4.49E-02	1.07E+01
6083	475334.18	3849118.71	1.61901	0.95118	1.0338	0.78043	1.23E-01	1.02E+01	1.14E-01	4.46E-02	1.04E+01	1.20E-01	4.29E-05	1.14E-02	8.74E-03	1.40E-01	1.34E-01	1.02E+01	1.14E-01	4.46E-02	1.04E+01
6084	475230.47	3849060.57	1.61776	0.91764	1.0169	0.77479	1.23E-01	9.79E+00	1.12E-01	4.43E-02	1.01E+01	1.20E-01	4.14E-05	1.12E-02	8.67E-03	1.40E-01	1.34E-01	9.79E+00	1.12E-01	4.43E-02	1.01E+01
6085	475110.86	3848960.97	1.55906	0.89834	1.0149	0.7675	1.19E-01	9.59E+00	1.12E-01	4.39E-02	9.86E+00	1.15E-01	4.05E-05	1.12E-02	8.59E-03	1.35E-01	1.29E-01	9.59E+00	1.12E-01	4.39E-02	9.87E+00
6086	475037.79	3848896.28	1.51338	0.87701	1.0154	0.76306	1.15E-01	9.36E+00	1.12E-01	4.36E-02	9.63E+00	1.12E-01	3.95E-05	1.12E-02	8.54E-03	1.32E-01	1.26E-01	9.36E+00	1.12E-01	4.36E-02	9.64E+00
6087	474964.72	3848831.59	1.4626	0.85736	1.0159	0.75865	1.11E-01	9.15E+00	1.12E-01	4.34E-02	9.42E+00	1.08E-01	3.86E-05	1.12E-02	8.49E-03	1.28E-01	1.21E-01	9.15E+00	1.12E-01	4.34E-02	9.43E+00
6088	474891.65	3848766.9	1.4141	0.85163	1.0166	0.75424	1.08E-01	9.09E+00	1.12E-01	4.31E-02	9.35E+00	1.05E-01	3.84E-05	1.12E-02	8.44E-03	1.24E-01	1.17E-01	9.09E+00	1.12E-01	4.31E-02	9.36E+00
6089	474818.58	3848702.22	1.36731	0.85152	1.0173	0.74986	1.04E-01	9.09E+00	1.12E-01	4.29E-02	9.35E+00	1.01E-01	3.84E-05	1.12E-02	8.39E-03	1.21E-01	1.14E-01	9.09E+00	1.12E-01	4.29E-02	9.36E+00
6090	474745.51	3848637.53	1.33098	0.8792	1.0186	0.74541	1.01E-01	9.38E+00	1.13E-01	4.26E-02	9.64E+00	9.85E-02	3.96E-05	1.13E-02	8.34E-03	1.18E-01	1.10E-01	9.38E+00	1.13E-01	4.26E-02	9.65E+00
6091	474672.44	3848572.84	1.32258	0.88965	1.0193	0.74109	1.01E-01	9.49E+00	1.13E-01	4.24E-02	9.75E+00	9.79E-02	4.01E-05	1.13E-02	8.30E-03	1.18E-01	1.10E-01	9.49E+00	1.13E-01	4.24E-02	9.76E+00
6092	474599.37	3848508.15	1.34095	0.87093	1.0195	0.73688	1.02E-01	9.29E+00	1.13E-01	4.21E-02	9.55E+00	9.93E-02	3.93E-05	1.13E-02	8.25E-03	1.19E-01	1.11E-01	9.29E+00	1.13E-01	4.21E-02	9.56E+00
6093	474526.3	3848443.46	1.35832	0.86585	1.0199	0.73268	1.04E-01	9.24E+00	1.13E-01	4.19E-02	9.50E+00	1.01E-01	3.90E-05	1.13E-02	8.20E-03	1.20E-01	1.13E-01	9.24E+00	1.13E-01	4.19E-02	9.51E+00

			2033 Mitigated					2048 Unmitigated					2048 Mitigated				
			8.05E-02	1.10E-04	1.11E-02	1.12E-02		1.06E-01	1.05E+01	1.11E-01	5.72E-02		1.03E-01	1.33E-04	1.11E-02	1.12E-02	
			Concentration [ug/m^3]					Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARE	WHS (PAR	STCK1-10	STCK11-39	Total	CHE (PARE	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PAREA	WHS (PARE/	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	2.65E-01	4.60E-05	7.53E-02	3.79E-02	3.78E-01	3.50E-01	4.41E+00	7.53E-01	1.94E-01	5.71E+00	3.39E-01	5.57E-05	7.53E-02	3.79E-02	4.53E-01
2	486023.61	3854936.51	2.54E-01	4.48E-05	1.03E-01	3.68E-02	3.93E-01	3.35E-01	4.30E+00	1.03E+00	1.88E-01	5.85E+00	3.25E-01	5.43E-05	1.03E-01	3.68E-02	4.64E-01
3	486073.61	3854936.51	2.47E-01	4.45E-05	1.33E-01	3.49E-02	4.15E-01	3.27E-01	4.27E+00	1.33E+00	1.79E-01	6.10E+00	3.17E-01	5.40E-05	1.33E-01	3.49E-02	4.85E-01
4	486123.61	3854936.51	2.30E-01	4.44E-05	1.67E-01	3.32E-02	4.31E-01	3.04E-01	4.26E+00	1.67E+00	1.69E-01	6.40E+00	2.95E-01	5.38E-05	1.67E-01	3.32E-02	4.96E-01
5	486173.61	3854936.51	2.30E-01	4.43E-05	1.95E-01	3.37E-02	4.59E-01	3.04E-01	4.25E+00	1.95E+00	1.72E-01	6.68E+00	2.95E-01	5.37E-05	1.95E-01	3.37E-02	5.24E-01
6	486223.61	3854936.51	2.18E-01	4.43E-05	2.22E-01	3.37E-02	4.74E-01	2.88E-01	4.25E+00	2.22E+00	1.72E-01	6.93E+00	2.80E-01	5.37E-05	2.22E-01	3.37E-02	5.35E-01
7	486273.61	3854936.51	2.07E-01	4.44E-05	2.38E-01	3.33E-02	4.78E-01	2.73E-01	4.26E+00	2.38E+00	1.70E-01	7.09E+00	2.65E-01	5.38E-05	2.38E-01	3.33E-02	5.37E-01
8	486323.61	3854936.51	1.92E-01	4.46E-05	2.44E-01	3.25E-02	4.68E-01	2.53E-01	4.27E+00	2.44E+00	1.66E-01	7.13E+00	2.46E-01	5.40E-05	2.44E-01	3.25E-02	5.22E-01
9	485973.61	3854986.51	2.83E-01	4.79E-05	5.91E-02	3.67E-02	3.79E-01	3.73E-01	4.59E+00	5.91E-01	1.87E-01	5.75E+00	3.62E-01	5.80E-05	5.91E-02	3.67E-02	4.58E-01
10	486023.61	3854986.51	2.73E-01	4.70E-05	8.29E-02	3.45E-02	3.91E-01	3.61E-01	4.50E+00	8.29E-01	1.76E-01	5.87E+00	3.50E-01	5.69E-05	8.29E-02	3.45E-02	4.68E-01
11	486073.61	3854986.51	2.61E-01	4.57E-05	1.12E-01	3.45E-02	4.08E-01	3.45E-01	4.38E+00	1.12E+00	1.76E-01	6.02E+00	3.35E-01	5.53E-05	1.12E-01	3.45E-02	4.81E-01
12	486123.61	3854986.51	2.50E-01	4.44E-05	1.45E-01	3.47E-02	4.29E-01	3.30E-01	4.26E+00	1.45E+00	1.77E-01	6.22E+00	3.20E-01	5.38E-05	1.45E-01	3.47E-02	5.00E-01
13	486173.61	3854986.51	2.45E-01	4.46E-05	1.76E-01	3.44E-02	4.55E-01	3.24E-01	4.28E+00	1.76E+00	1.76E-01	6.53E+00	3.14E-01	5.40E-05	1.76E-01	3.44E-02	5.24E-01
14	486223.61	3854986.51	2.32E-01	4.43E-05	2.07E-01	3.37E-02	4.72E-01	3.07E-01	4.25E+00	2.07E+00	1.72E-01	6.80E+00	2.98E-01	5.37E-05	2.07E-01	3.37E-02	5.38E-01
15	486273.61	3854986.51	2.16E-01	4.44E-05	2.31E-01	3.26E-02	4.80E-01	2.85E-01	4.26E+00	2.31E+00	1.67E-01	7.02E+00	2.76E-01	5.38E-05	2.31E-01	3.26E-02	5.41E-01
16	486323.61	3854986.51	2.08E-01	4.45E-05	2.41E-01	3.13E-02	4.81E-01	2.75E-01	4.27E+00	2.41E+00	1.60E-01	7.12E+00	2.67E-01	5.40E-05	2.41E-01	3.13E-02	5.39E-01
17	485973.61	3855036.51	3.04E-01	5.01E-05	4.47E-02	3.50E-02	3.84E-01	4.01E-01	4.80E+00	4.47E-01	1.79E-01	5.83E+00	3.90E-01	6.07E-05	4.47E-02	3.50E-02	4.69E-01
18	486023.61	3855036.51	2.92E-01	4.90E-05	6.53E-02	3.54E-02	3.92E-01	3.85E-01	4.70E+00	6.53E-01	1.81E-01	5.92E+00	3.74E-01	5.93E-05	6.53E-02	3.54E-02	4.75E-01
19	486073.61	3855036.51	2.75E-01	4.74E-05	9.25E-02	3.53E-02	4.03E-01	3.63E-01	4.54E+00	9.25E-01	1.81E-01	6.01E+00	3.53E-01	5.74E-05	9.25E-02	3.53E-02	4.81E-01
20	486123.61	3855036.51	2.64E-01	4.65E-05	1.23E-01	3.47E-02	4.22E-01	3.49E-01	4.46E+00	1.23E+00	1.77E-01	6.22E+00	3.38E-01	5.64E-05	1.23E-01	3.47E-02	4.97E-01
21	486173.61	3855036.51	2.59E-01	4.66E-05	1.54E-01	3.36E-02	4.48E-01	3.43E-01	4.47E+00	1.54E+00	1.72E-01	6.53E+00	3.33E-01	5.65E-05	1.54E-01	3.36E-02	5.21E-01
22	486223.61	3855036.51	2.43E-01	4.61E-05	1.89E-01	3.23E-02	4.65E-01	3.22E-01	4.42E+00	1.89E+00	1.65E-01	6.80E+00	3.12E-01	5.59E-05	1.89E-01	3.23E-02	5.34E-01
23	486273.61	3855036.51	2.37E-01	4.62E-05	2.15E-01	3.11E-02	4.83E-01	3.13E-01	4.43E+00	2.15E+00	1.59E-01	7.05E+00	3.04E-01	5.60E-05	2.15E-01	3.11E-02	5.50E-01
24	486323.61	3855036.51	2.19E-01	4.58E-05	2.36E-01	3.20E-02	4.87E-01	2.90E-01	4.39E+00	2.36E+00	1.64E-01	7.20E+00	2.81E-01	5.55E-05	2.36E-01	3.20E-02	5.49E-01
25	485973.61	3855086.51	3.58E-01	5.20E-05	4.32E-02	3.58E-02	4.37E-01	4.72E-01	4.99E+00	4.32E-01	1.83E-01	6.08E+00	4.58E-01	6.30E-05	4.32E-02	3.58E-02	5.37E-01
26	486023.61	3855086.51	3.45E-01	5.13E-05	4.96E-02	3.52E-02	4.30E-01	4.56E-01	4.92E+00	4.96E-01	1.80E-01	6.05E+00	4.43E-01	6.21E-05	4.96E-02	3.52E-02	5.28E-01
27	486073.61	3855086.51	3.16E-01	4.95E-05	7.32E-02	3.43E-02	4.24E-01	4.18E-01	4.75E+00	7.32E-01	1.75E-01	6.07E+00	4.06E-01	6.00E-05	7.32E-02	3.43E-02	5.13E-01
28	486123.61	3855086.51	3.07E-01	4.89E-05	1.00E-01	3.30E-02	4.40E-01	4.05E-01	4.69E+00	1.00E+00	1.68E-01	6.27E+00	3.93E-01	5.93E-05	1.00E-01	3.30E-02	5.27E-01
29	486173.61	3855086.51	2.85E-01	4.84E-05	1.33E-01	3.22E-02	4.51E-01	3.77E-01	4.64E+00	1.33E+00	1.64E-01	6.52E+00	3.66E-01	5.86E-05	1.33E-01	3.22E-02	5.32E-01
30	486223.61	3855086.51	2.77E-01	4.82E-05	1.66E-01	3.32E-02	4.76E-01	3.65E-01	4.62E+00	1.66E+00	1.70E-01	6.82E+00	3.55E-01	5.83E-05	1.66E-01	3.32E-02	5.54E-01
31	485973.61	3855136.51	4.76E-01	5.45E-05	5.26E-02	3.47E-02	5.64E-01	6.29E-01	5.23E+00	5.26E-01	1.77E-01	6.56E+00	6.11E-01	6.60E-05	5.26E-02	3.47E-02	6.98E-01
32	486023.61	3855136.51	4.48E-01	5.34E-05	3.89E-02	3.34E-02	5.20E-01	5.91E-01	5.12E+00	3.89E-01	1.70E-01	6.27E+00	5.74E-01	6.47E-05	3.89E-02	3.34E-02	6.46E-01
33	486073.61	3855136.51	4.18E-01	5.20E-05	5.56E-02	3.29E-02	5.07E-01	5.53E-01	4.98E+00	5.56E-01	1.68E-01	6.26E+00	5.36E-01	6.30E-05	5.56E-02	3.29E-02	6.25E-01
34	486123.61	3855136.51	3.96E-01	5.10E-05	7.97E-02	3.41E-02	5.10E-01	5.23E-01	4.89E+00	7.97E-01	1.74E-01	6.39E+00	5.08E-01	6.18E-05	7.97E-02	3.41E-02	6.22E-01
35	486173.61	3855136.51	3.71E-01	5.04E-05	1.10E-01	3.48E-02	5.15E-01	4.90E-01	4.84E+00	1.10E+00	1.78E-01	6.60E+00	4.75E-01	6.11E-05	1.10E-01	3.48E-02	6.20E-01
36	486223.61	3855136.51	3.51E-01	4.99E-05	1.43E-01	3.51E-02	5.30E-01	4.64E-01	4.79E+00	1.43E+00	1.79E-01	6.86E+00	4.51E-01	6.05E-05	1.43E-01	3.51E-02	6.29E-01
37	485973.61	3855186.51	6.12E-01	5.70E-05	6.17E-02	3.33E-02	7.08E-01	8.09E-01	5.46E+00	6.17E-01	1.70E-01	7.06E+00	7.85E-01	6.90E-05	6.17E-02	3.33E-02	8.80E-01
38	486023.61	3855186.51	5.78E-01	5.60E-05	4.78E-02	3.46E-02	6.60E-01	7.63E-01	5.37E+00	4.78E-01	1.77E-01	6.79E+00	7.41E-01	6.79E-05	4.78E-02	3.46E-02	8.23E-01
39	486073.61	3855186.51	5.28E-01	5.42E-05	4.13E-02	3.55E-02	6.05E-01	6.97E-01	5.20E+00	4.13E-01	1.81E-01	6.49E+00	6.77E-01	6.57E-05	4.13E-02	3.55E-02	7.53E-01
40	486123.61	3855186.51	4.84E-01	5.27E-05	6.27E-02	3.59E-02	5.83E-01	6.40E-01	5.05E+00	6.27E-01	1.83E-01	6.50E+00	6.21E-01	6.38E-05	6.27E-02	3.59E-02	7.19E-01
41	486173.61	3855186.51	4.57E-01	5.21E-05	8.91E-02	3.57E-02	5.82E-01	6.04E-01	4.99E+00	8.91E-01	1.82E-01	6.67E+00	5.86E-01	6.31E-05	8.91E-02	3.57E-02	7.11E-01
42	486223.61	3855186.51	4.32E-01	5.14E-05	1.21E-01	3.52E-02	5.88E-01	5.71E-01	4.93E+00	1.21E+00	1.80E-01	6.89E+00	5.54E-01	6.23E-05	1.21E-01	3.52E-02	7.10E-01
43	486273.61	3855186.51	4.05E-01	5.06E-05	1.56E-01	3.44E-02	5.95E-01	5.35E-01	4.86E+00	1.56E+00	1.76E-01	7.12E+00	5.19E-01	6.14E-05	1.56E-01	3.44E-02	7.09E-01
44	486323.61	3855186.51	4.22E-01	5.09E-05	1.81E-01	3.30E-02	6.37E-01	5.58E-01	4.88E+00	1.81E+00	1.69E-01	7.42E+00	5.41E-01	6.16E-05	1.81E-01	3.30E-02	7.56E-01
45	485973.61	3855236.51	7.44E-01	5.93E-05	7.01E-02	3.57E-02	8.50E-01	9.82E-01	5.69E+00	7.01E-01	1.82E-01	7.56E+00	9.53E-01	7.19E-05	7.01E-02	3.57E-02	1.06E+00
46	486023.61	3855236.51	6.82E-01	5.79E-05	5.80E-02	3.61E-02	7.77E-01	9.01E-01	5.55E+00	5.80E-01	1.85E-01	7.22E+00	8.75E-01	7.02E-05	5.80E-02	3.61E-02	9.69E-01
47	486073.61	3855236.51	6.22E-01	5.61E-05	4.51E-02	3.61E-02	7.03E-01	8.21E-01	5.38E+00	4.51E-01	1.84E-01	6.83E+00	7.97E-01	6.79E-05	4.51E-02	3.61E-02	8.78E-01
48	486123.61	3855236.51	5.82E-01	5.45E-05	4.72E-02	3.56E-02	6.65E-01	7.69E-01	5.23E+00	4.72E-01	1.82E-01	6.65E+00	7.46E-01	6.61E-05	4.72E-02	3.56E-02	8.29E-01
49	486173.61	3855236.51	5.49E-01	5.38E-05	6.98E-02	3.47E-02	6.53E-01	7.25E-01	5.16E+00	6.98E-01	1.77E-01	6.75E+00	7.03E-01	6.51E-05	6.98E-02	3.47E-02	8.08E-01
50	486223.61	3855236.51	5.13E-01	5.29E-05	9.87E-02	3.35E-02	6.45E-01	6.78E-01	5.07E+00	9.87E-01	1.71E-01	6.91E+00	6.58E-01	6.41E-05	9.87E-02	3.35E-02	7.90E-01
51	486273.61	3855236.51	4.59E-01	5.16E-05	1.36E-01	3.24E-02	6.27E-01	6.06E-01	4.94E+00	1.36E+00	1.65E-01	7.07E+00	5.88E-01	6.25E-05	1.36E-01	3.24E-02	7.56E-01
52	486323.61	3855236.51	5.01E-01	5.22E-05	1.59E-01	3.05E-02	6.90E-01	6.61E-01	5.01E+00	1.59E+00	1.56E-01	7.42E+00	6.42E-01	6.33E-05	1.59E-01	3.05E-02	8.31E-01
53	485973.61	3855286.51	8.58E-01	6.16E-05	7.73E-02	3.60E-02	9.71E-01	1.13E+00	5.91E+00	7.73E-01	1.84E-01	8.00E+00	1.10E+00	7.46E-05	7.73E-02	3.60E-02	1.21E+00
54	486023.61	3855286.51	7.80E-01	6.00E-05	6.77E-02	3.55E-02	8.84E-01	1.03E+00	5.76E+00	6.77E-01	1.81E-01	7.64E+00	1.00E+00	7.27E-05	6.77E-02	3.55E-02	1.10E+00
55	486073.61	3855286.51	7.22E-01	5.84E-05	5.48E-02	3.46E-02	8.11E-01	9.53E-01	5.60E+00	5.48E-01	1.77E-01	7.28E+00	9.25E-01	7.08E-05	5.48E-02	3.46E-02	1.01E+00
56	486123.61	3855286.51	6.62E-01	5.65E-05	4.16E-02	3.35E-02	7.37E-01	8.75E-01	5.42E+00	4.16E-01	1.71E-01	6.88E+00	8.49E-01	6.84E-05	4.16E-02	3.35E-02	9.24E-01
57	486173.61	3855286.51	6.14E-01	5.51E-05	5.40E-02	3.22E-02	7.01E-01	8.12E-01	5.29E+00	5.40E-01	1.64E-01	6.80E+00	7.88E-01	6.68E-05	5.40E-02	3.22E-02	8.74E-01

58	486223.61	3855286.51	5.85E-01	5.44E-05	7.85E-02	3.06E-02	6.94E-01	7.73E-01	5.22E+00	7.85E-01	1.57E-01	6.93E+00	7.50E-01	6.59E-05	7.85E-02	3.06E-02	8.60E-01
59	486123.61	3855336.51	7.28E-01	5.83E-05	5.21E-02	3.03E-02	8.11E-01	9.62E-01	5.59E+00	5.21E-01	1.55E-01	7.23E+00	9.34E-01	7.07E-05	5.21E-02	3.03E-02	1.02E+00
60	486173.61	3855336.51	6.88E-01	5.70E-05	3.97E-02	2.86E-02	7.56E-01	9.09E-01	5.46E+00	3.97E-01	1.46E-01	6.91E+00	8.82E-01	6.90E-05	3.97E-02	2.86E-02	9.50E-01
61	486223.61	3855336.51	6.45E-01	5.60E-05	6.07E-02	2.70E-02	7.33E-01	8.52E-01	5.37E+00	6.07E-01	1.38E-01	6.97E+00	8.27E-01	6.78E-05	6.07E-02	2.70E-02	9.15E-01
62	486123.61	3855386.51	7.94E-01	6.38E-05	6.26E-02	2.63E-02	8.83E-01	1.05E+00	6.12E+00	6.26E-01	1.35E-01	7.93E+00	1.02E+00	7.73E-05	6.26E-02	2.63E-02	1.11E+00
63	486173.61	3855386.51	7.48E-01	6.29E-05	4.81E-02	2.48E-02	8.21E-01	9.88E-01	6.03E+00	4.81E-01	1.27E-01	7.63E+00	9.59E-01	7.62E-05	4.81E-02	2.48E-02	1.03E+00
64	486223.61	3855386.51	7.10E-01	5.80E-05	4.49E-02	2.37E-02	7.78E-01	9.38E-01	5.56E+00	4.49E-01	1.21E-01	7.07E+00	9.10E-01	7.02E-05	4.49E-02	2.37E-02	9.79E-01
65	486533.18	3855443.15	6.15E-01	5.63E-05	1.99E-01	2.11E-02	8.35E-01	8.12E-01	5.40E+00	1.99E+00	1.08E-01	8.31E+00	7.88E-01	6.82E-05	1.99E-01	2.11E-02	1.01E+00
66	486583.18	3855443.15	5.88E-01	5.56E-05	2.19E-01	2.10E-02	8.28E-01	7.77E-01	5.33E+00	2.19E+00	1.07E-01	8.41E+00	7.54E-01	6.74E-05	2.19E-01	2.10E-02	9.94E-01
67	486633.18	3855443.15	5.63E-01	5.49E-05	2.26E-01	2.11E-02	8.09E-01	7.43E-01	5.27E+00	2.26E+00	1.08E-01	8.38E+00	7.21E-01	6.66E-05	2.26E-01	2.11E-02	9.68E-01
68	486683.18	3855443.15	5.53E-01	5.46E-05	2.14E-01	2.11E-02	7.87E-01	7.30E-01	5.23E+00	2.14E+00	1.08E-01	8.21E+00	7.08E-01	6.61E-05	2.14E-01	2.11E-02	9.43E-01
69	486533.18	3855493.15	6.54E-01	5.82E-05	1.80E-01	2.13E-02	8.55E-01	8.63E-01	5.58E+00	1.80E+00	1.09E-01	8.35E+00	8.38E-01	7.04E-05	1.80E-01	2.13E-02	1.04E+00
70	486583.18	3855493.15	6.30E-01	5.75E-05	2.05E-01	2.20E-02	8.57E-01	8.32E-01	5.52E+00	2.05E+00	1.12E-01	8.51E+00	8.08E-01	6.97E-05	2.05E-01	2.20E-02	1.04E+00
71	486633.18	3855493.15	6.04E-01	5.68E-05	2.20E-01	2.30E-02	8.47E-01	7.98E-01	5.45E+00	2.20E+00	1.17E-01	8.56E+00	7.75E-01	6.88E-05	2.20E-01	2.30E-02	1.02E+00
72	486683.18	3855493.15	5.81E-01	5.61E-05	2.20E-01	2.38E-02	8.24E-01	7.67E-01	5.38E+00	2.20E+00	1.22E-01	8.47E+00	7.45E-01	6.79E-05	2.20E-01	2.38E-02	9.88E-01
73	486533.18	3855543.15	7.04E-01	6.02E-05	1.57E-01	2.57E-02	8.87E-01	9.30E-01	5.77E+00	1.57E+00	1.31E-01	8.40E+00	9.03E-01	7.29E-05	1.57E-01	2.57E-02	1.09E+00
74	486583.18	3855543.15	6.59E-01	5.91E-05	1.91E-01	2.65E-02	8.76E-01	8.71E-01	5.66E+00	1.91E+00	1.35E-01	8.58E+00	8.45E-01	7.15E-05	1.91E-01	2.65E-02	1.06E+00
75	486633.18	3855543.15	6.36E-01	5.83E-05	2.12E-01	2.71E-02	8.75E-01	8.40E-01	5.59E+00	2.12E+00	1.38E-01	8.69E+00	8.16E-01	7.07E-05	2.12E-01	2.71E-02	1.05E+00
76	486683.18	3855543.15	5.94E-01	5.71E-05	2.25E-01	2.76E-02	8.47E-01	7.85E-01	5.48E+00	2.25E+00	1.41E-01	8.65E+00	7.62E-01	6.92E-05	2.25E-01	2.76E-02	1.01E+00
77	486533.18	3855593.15	7.45E-01	6.19E-05	1.34E-01	2.90E-02	9.08E-01	9.84E-01	5.93E+00	1.34E+00	1.48E-01	8.41E+00	9.55E-01	7.50E-05	1.34E-01	2.90E-02	1.12E+00
78	486583.18	3855593.15	7.05E-01	6.08E-05	1.69E-01	2.93E-02	9.03E-01	9.31E-01	5.83E+00	1.69E+00	1.50E-01	8.60E+00	9.03E-01	7.36E-05	1.69E-01	2.93E-02	1.10E+00
79	486633.18	3855593.15	6.72E-01	5.97E-05	1.98E-01	2.94E-02	8.99E-01	8.87E-01	5.73E+00	1.98E+00	1.50E-01	8.75E+00	8.61E-01	7.24E-05	1.98E-01	2.94E-02	1.09E+00
80	486683.18	3855593.15	6.50E-01	5.89E-05	2.14E-01	2.93E-02	8.94E-01	8.59E-01	5.65E+00	2.14E+00	1.50E-01	8.80E+00	8.33E-01	7.14E-05	2.14E-01	2.93E-02	1.08E+00
81	486533.18	3855643.15	7.94E-01	7.02E-05	1.11E-01	3.01E-02	9.34E-01	1.05E+00	6.74E+00	1.11E+00	1.54E-01	9.04E+00	1.02E+00	8.51E-05	1.11E-01	3.01E-02	1.16E+00
82	486583.18	3855643.15	7.54E-01	6.93E-05	1.45E-01	2.98E-02	9.30E-01	9.96E-01	6.65E+00	1.45E+00	1.52E-01	9.25E+00	9.67E-01	8.40E-05	1.45E-01	2.98E-02	1.14E+00
83	486633.18	3855643.15	7.17E-01	6.12E-05	1.79E-01	2.95E-02	9.25E-01	9.47E-01	5.87E+00	1.79E+00	1.51E-01	8.75E+00	9.19E-01	7.41E-05	1.79E-01	2.95E-02	1.13E+00
84	486683.18	3855643.15	6.87E-01	6.01E-05	2.03E-01	2.91E-02	9.20E-01	9.08E-01	5.76E+00	2.03E+00	1.48E-01	8.85E+00	8.81E-01	7.28E-05	2.03E-01	2.91E-02	1.11E+00
85	486533.18	3855693.15	8.60E-01	7.28E-05	8.68E-02	2.88E-02	9.76E-01	1.14E+00	6.98E+00	8.68E-01	1.47E-01	9.14E+00	1.10E+00	8.82E-05	8.68E-02	2.88E-02	1.22E+00
86	486583.18	3855693.15	7.95E-01	7.13E-05	1.23E-01	2.84E-02	9.46E-01	1.05E+00	6.84E+00	1.23E+00	1.45E-01	9.27E+00	1.02E+00	8.64E-05	1.23E-01	2.84E-02	1.17E+00
87	486633.18	3855693.15	7.33E-01	6.18E-05	1.63E-01	2.79E-02	9.24E-01	9.68E-01	5.93E+00	1.63E+00	1.43E-01	8.67E+00	9.40E-01	7.49E-05	1.63E-01	2.79E-02	1.13E+00
88	486683.18	3855693.15	7.26E-01	6.11E-05	1.88E-01	2.81E-02	9.42E-01	9.58E-01	5.86E+00	1.88E+00	1.44E-01	8.84E+00	9.30E-01	7.40E-05	1.88E-01	2.81E-02	1.15E+00
89	486733.18	3855693.15	7.38E-01	6.07E-05	1.97E-01	2.81E-02	9.64E-01	9.75E-01	5.82E+00	1.97E+00	1.44E-01	8.91E+00	9.47E-01	7.36E-05	1.97E-01	2.81E-02	1.17E+00
90	486783.18	3855693.15	7.61E-01	7.11E-05	1.89E-01	2.79E-02	9.78E-01	1.01E+00	6.82E+00	1.89E+00	1.42E-01	9.86E+00	9.76E-01	8.61E-05	1.89E-01	2.79E-02	1.19E+00
91	486533.18	3855743.15	9.14E-01	7.55E-05	6.71E-02	2.96E-02	1.01E+00	1.21E+00	7.24E+00	6.71E-01	1.51E-01	9.27E+00	1.17E+00	9.15E-05	6.71E-02	2.96E-02	1.27E+00
92	486583.18	3855743.15	8.25E-01	7.35E-05	1.02E-01	3.02E-02	9.58E-01	1.09E+00	7.05E+00	1.02E+00	1.54E-01	9.32E+00	1.06E+00	8.91E-05	1.02E-01	3.02E-02	1.19E+00
93	486633.18	3855743.15	7.78E-01	7.25E-05	1.39E-01	3.03E-02	9.47E-01	1.03E+00	6.95E+00	1.39E+00	1.55E-01	9.52E+00	9.98E-01	8.78E-05	1.39E-01	3.03E-02	1.17E+00
94	486683.18	3855743.15	7.84E-01	7.28E-05	1.65E-01	3.00E-02	9.79E-01	1.04E+00	6.98E+00	1.65E+00	1.53E-01	9.82E+00	1.01E+00	8.82E-05	1.65E-01	3.00E-02	1.20E+00
95	486733.18	3855743.15	7.72E-01	7.27E-05	1.87E-01	2.98E-02	9.89E-01	1.02E+00	6.97E+00	1.87E+00	1.52E-01	1.00E+01	9.90E-01	8.81E-05	1.87E-01	2.98E-02	1.21E+00
96	486783.18	3855743.15	8.09E-01	7.39E-05	1.84E-01	2.91E-02	1.02E+00	1.07E+00	7.09E+00	1.84E+00	1.49E-01	1.01E+01	1.04E+00	8.96E-05	1.84E-01	2.91E-02	1.25E+00
97	486533.18	3855793.15	9.75E-01	7.90E-05	4.99E-02	3.06E-02	1.06E+00	1.29E+00	7.57E+00	4.99E-01	1.56E-01	9.52E+00	1.25E+00	9.57E-05	4.99E-02	3.06E-02	1.33E+00
98	486583.18	3855793.15	8.46E-01	7.60E-05	8.31E-02	3.11E-02	9.60E-01	1.12E+00	7.29E+00	8.31E-01	1.59E-01	9.39E+00	1.08E+00	9.21E-05	8.31E-02	3.11E-02	1.20E+00
99	486633.18	3855793.15	8.48E-01	7.63E-05	1.11E-01	3.05E-02	9.90E-01	1.12E+00	7.32E+00	1.11E+00	1.56E-01	9.71E+00	1.09E+00	9.24E-05	1.11E-01	3.05E-02	1.23E+00
100	486683.18	3855793.15	8.55E-01	7.67E-05	1.39E-01	2.98E-02	1.02E+00	1.13E+00	7.36E+00	1.39E+00	1.52E-01	1.00E+01	1.10E+00	9.29E-05	1.39E-01	2.98E-02	1.26E+00
101	486733.18	3855793.15	8.49E-01	7.68E-05	1.63E-01	2.92E-02	1.04E+00	1.12E+00	7.37E+00	1.63E+00	1.49E-01	1.03E+01	1.09E+00	9.31E-05	1.63E-01	2.92E-02	1.28E+00
102	486783.18	3855793.15	8.51E-01	7.72E-05	1.75E-01	2.85E-02	1.05E+00	1.12E+00	7.40E+00	1.75E+00	1.45E-01	1.04E+01	1.09E+00	9.35E-05	1.75E-01	2.85E-02	1.29E+00
103	486533.18	3855843.15	1.00E+00	8.21E-05	3.82E-02	2.97E-02	1.07E+00	1.33E+00	7.88E+00	3.82E-01	1.52E-01	9.74E+00	1.29E+00	9.95E-05	3.82E-02	2.97E-02	1.36E+00
104	486583.18	3855843.15	9.06E-01	8.00E-05	6.25E-02	2.96E-02	9.99E-01	1.20E+00	7.67E+00	6.25E-01	1.51E-01	9.65E+00	1.16E+00	9.69E-05	6.25E-02	2.96E-02	1.25E+00
105	486633.18	3855843.15	9.10E-01	8.04E-05	8.77E-02	2.87E-02	1.03E+00	1.20E+00	7.71E+00	8.77E-01	1.47E-01	9.94E+00	1.17E+00	9.74E-05	8.77E-02	2.87E-02	1.28E+00
106	486683.18	3855843.15	9.15E-01	8.09E-05	1.15E-01	2.79E-02	1.06E+00	1.21E+00	7.76E+00	1.15E+00	1.42E-01	1.03E+01	1.17E+00	9.80E-05	1.15E-01	2.79E-02	1.32E+00
107	486733.18	3855843.15	9.18E-01	8.13E-05	1.39E-01	2.70E-02	1.08E+00	1.21E+00	7.80E+00	1.39E+00	1.38E-01	1.05E+01	1.18E+00	9.85E-05	1.39E-01	2.70E-02	1.34E+00
108	486783.18	3855843.15	9.14E-01	8.16E-05	1.58E-01	2.62E-02	1.10E+00	1.21E+00	7.82E+00	1.58E+00	1.34E-01	1.07E+01	1.17E+00	9.88E-05	1.58E-01	2.62E-02	1.36E+00
109	486533.18	3855893.15	1.01E+00	8.48E-05	5.28E-02	2.74E-02	1.09E+00	1.33E+00	8.13E+00	5.28E-01	1.40E-01	1.01E+01	1.29E+00	1.03E-04	5.28E-02	2.74E-02	1.37E+00
110	486583.18	3855893.15	9.86E-01	8.50E-05	4.45E-02	2.65E-02	1.06E+00	1.30E+00	8.15E+00	4.45E-01	1.36E-01	1.00E+01	1.26E+00	1.03E-04	4.45E-02	2.65E-02	1.34E+00
111	486633.18	3855893.15	9.75E-01	8.51E-05	6.66E-02	2.59E-02	1.07E+00	1.29E+00	8.16E+00	6.66E-01	1.32E-01	1.02E+01	1.25E+00	1.03E-04	6.66E-02	2.59E-02	1.34E+00
112	486683.18	3855893.15	9.77E-01	8.55E-05	9.16E-02	2.55E-02	1.09E+00	1.29E+00	8.20E+00	9.16E-01	1.30E-01	1.05E+01	1.25E+00	1.04E-04	9.16E-02	2.55E-02	1.37E+00
113	486733.18	3855893.15	9.78E-01	8.60E-05	1.17E-01	2.51E-02	1.12E+00	1.29E+00	8.25E+00	1.17E+00	1.28E-01	1.08E+01	1.25E+00	1.04E-04	1.17E-01	2.51E-02	1.40E+00
114	486783.18	3855893.15	9.88E-01	8.67E-05	1.37E-01	2.45E-02	1.15E+00	1.30E+00	8.31E+00	1.37E+00	1.25E-01	1.11E+01	1.27E+00	1.05E-04	1.37E-01	2.45E-02	1.43E+00
115	486533.18	3855943.15	1.08E+00	8.94E-05	6.59E-02	2.75E-02	1.17E+00	1.42E+00	8.58E+00	6.59E-01	1.40E-01	1.08E+01	1.38E+00	1.08E-04	6.59E-02	2.75E-02	1.48E+00
116	486583.18	3855943.15	1.09E+00	9.05E-05	4.56E-02	2.69E-02	1.16E+00	1.44E+00	8.68E+00	4.56E-01	1.37E-01	1.07E+01	1.39E+00	1.10E-04	4.56E-02	2.69E-02	1.47E+00
117	486633.18	3855943.15	1.05E+00	9.03E-05	4.86E-02	2.66E-02	1.13E+00	1.39E+00	8.66E+00	4.86E-01	1.36E-01	1.07E+01	1.35E+00	1.09E-04	4.86E-02	2.66E-02	1.43E+00
118	486683.18	3855943.15	1.06E+00	9.10E-05	6.95E-02	2.61E-02	1.15E+00	1.40E+00	8.73E+00	6.95E-01	1.33E-01	1.10E+01	1.35E+00	1.10E-04	6.95E-02	2.61E-02	1.45E+00

119	486733.18	3855943.15	1.04E+00	9.11E-05	9.49E-02	2.57E-02	1.16E+00	1.38E+00	8.74E+00	9.49E-01	1.31E-01	1.12E+01	1.34E+00	1.10E-04	9.49E-02	2.57E-02	1.46E+00
120	486783.18	3855943.15	1.06E+00	9.19E-05	1.16E-01	2.51E-02	1.20E+00	1.40E+00	8.82E+00	1.16E+00	1.28E-01	1.15E+01	1.35E+00	1.11E-04	1.16E-01	2.51E-02	1.50E+00
121	486533.18	3855993.15	1.17E+00	9.54E-05	7.62E-02	2.79E-02	1.27E+00	1.55E+00	9.14E+00	7.62E-01	1.43E-01	1.16E+01	1.50E+00	1.16E-04	7.62E-02	2.79E-02	1.61E+00
122	486583.18	3855993.15	1.16E+00	9.57E-05	5.77E-02	2.72E-02	1.24E+00	1.53E+00	9.18E+00	5.77E-01	1.39E-01	1.14E+01	1.49E+00	1.16E-04	5.77E-02	2.72E-02	1.57E+00
123	486633.18	3855993.15	1.14E+00	9.60E-05	4.00E-02	2.66E-02	1.21E+00	1.51E+00	9.20E+00	4.00E-01	1.36E-01	1.12E+01	1.46E+00	1.16E-04	4.00E-02	2.66E-02	1.53E+00
124	486683.18	3855993.15	1.14E+00	9.66E-05	5.14E-02	2.59E-02	1.21E+00	1.50E+00	9.26E+00	5.14E-01	1.32E-01	1.14E+01	1.46E+00	1.17E-04	5.14E-02	2.59E-02	1.53E+00
125	486733.18	3855993.15	1.12E+00	9.68E-05	7.36E-02	2.53E-02	1.22E+00	1.48E+00	9.28E+00	7.36E-01	1.29E-01	1.16E+01	1.43E+00	1.17E-04	7.36E-02	2.53E-02	1.53E+00
126	486783.18	3855993.15	1.12E+00	9.72E-05	9.63E-02	2.46E-02	1.24E+00	1.48E+00	9.32E+00	9.63E-01	1.26E-01	1.19E+01	1.43E+00	1.18E-04	9.63E-02	2.46E-02	1.55E+00
127	486533.18	3856043.15	1.25E+00	1.02E-04	8.47E-02	2.62E-02	1.36E+00	1.65E+00	9.74E+00	8.47E-01	1.34E-01	1.24E+01	1.61E+00	1.23E-04	8.47E-02	2.62E-02	1.72E+00
128	486583.18	3856043.15	1.25E+00	1.02E-04	6.78E-02	2.54E-02	1.34E+00	1.65E+00	9.80E+00	6.78E-01	1.30E-01	1.23E+01	1.60E+00	1.24E-04	6.78E-02	2.54E-02	1.70E+00
129	486633.18	3856043.15	1.22E+00	1.02E-04	5.08E-02	2.47E-02	1.30E+00	1.62E+00	9.78E+00	5.08E-01	1.26E-01	1.20E+01	1.57E+00	1.24E-04	5.08E-02	2.47E-02	1.64E+00
130	486683.18	3856043.15	1.22E+00	1.03E-04	3.63E-02	2.39E-02	1.28E+00	1.61E+00	9.85E+00	3.63E-01	1.22E-01	1.19E+01	1.57E+00	1.24E-04	3.63E-02	2.39E-02	1.63E+00
131	486733.18	3856043.15	1.19E+00	1.03E-04	5.54E-02	2.33E-02	1.27E+00	1.58E+00	9.84E+00	5.54E-01	1.19E-01	1.21E+01	1.53E+00	1.24E-04	5.54E-02	2.33E-02	1.61E+00
132	486783.18	3856043.15	1.20E+00	1.03E-04	7.50E-02	2.25E-02	1.30E+00	1.59E+00	9.91E+00	7.50E-01	1.15E-01	1.24E+01	1.54E+00	1.25E-04	7.50E-02	2.25E-02	1.64E+00
133	486533.18	3856093.15	1.35E+00	1.09E-04	8.77E-02	2.42E-02	1.47E+00	1.79E+00	1.05E+01	8.77E-01	1.24E-01	1.32E+01	1.74E+00	1.32E-04	8.77E-02	2.42E-02	1.85E+00
134	486583.18	3856093.15	1.33E+00	1.09E-04	7.65E-02	2.36E-02	1.43E+00	1.76E+00	1.04E+01	7.65E-01	1.21E-01	1.31E+01	1.71E+00	1.32E-04	7.65E-02	2.36E-02	1.81E+00
135	486633.18	3856093.15	1.31E+00	1.09E-04	6.11E-02	2.31E-02	1.39E+00	1.73E+00	1.04E+01	6.11E-01	1.18E-01	1.29E+01	1.68E+00	1.32E-04	6.11E-02	2.31E-02	1.76E+00
136	486683.18	3856093.15	1.30E+00	1.09E-04	4.35E-02	2.24E-02	1.37E+00	1.72E+00	1.05E+01	4.35E-01	1.15E-01	1.27E+01	1.67E+00	1.32E-04	4.35E-02	2.24E-02	1.73E+00
137	486733.18	3856093.15	1.28E+00	1.09E-04	3.96E-02	2.19E-02	1.34E+00	1.69E+00	1.05E+01	3.96E-01	1.12E-01	1.26E+01	1.64E+00	1.32E-04	3.96E-02	2.19E-02	1.70E+00
138	486783.18	3856093.15	1.27E+00	1.09E-04	5.74E-02	2.12E-02	1.35E+00	1.68E+00	1.05E+01	5.74E-01	1.09E-01	1.29E+01	1.63E+00	1.33E-04	5.74E-02	2.12E-02	1.71E+00
139	486533.18	3856143.15	1.45E+00	1.17E-04	8.74E-02	2.23E-02	1.56E+00	1.91E+00	1.12E+01	8.74E-01	1.14E-01	1.41E+01	1.86E+00	1.41E-04	8.74E-02	2.23E-02	1.97E+00
140	486583.18	3856143.15	1.41E+00	1.16E-04	8.29E-02	2.17E-02	1.51E+00	1.86E+00	1.11E+01	8.29E-01	1.11E-01	1.39E+01	1.81E+00	1.40E-04	8.29E-02	2.17E-02	1.91E+00
141	486633.18	3856143.15	1.40E+00	1.16E-04	6.99E-02	2.11E-02	1.49E+00	1.85E+00	1.11E+01	6.99E-01	1.08E-01	1.38E+01	1.79E+00	1.40E-04	6.99E-02	2.11E-02	1.88E+00
142	486683.18	3856143.15	1.38E+00	1.16E-04	5.39E-02	2.05E-02	1.45E+00	1.82E+00	1.11E+01	5.39E-01	1.05E-01	1.36E+01	1.77E+00	1.40E-04	5.39E-02	2.05E-02	1.84E+00
143	486733.18	3856143.15	1.36E+00	1.16E-04	3.75E-02	1.99E-02	1.42E+00	1.80E+00	1.11E+01	3.75E-01	1.02E-01	1.34E+01	1.74E+00	1.40E-04	3.75E-02	1.99E-02	1.80E+00
144	486783.18	3856143.15	1.37E+00	1.17E-04	4.09E-02	1.92E-02	1.43E+00	1.81E+00	1.12E+01	4.09E-01	9.80E-02	1.35E+01	1.76E+00	1.41E-04	4.09E-02	1.92E-02	1.82E+00
145	486533.18	3856193.15	1.56E+00	1.25E-04	8.11E-02	1.91E-02	1.66E+00	2.06E+00	1.20E+01	8.11E-01	9.73E-02	1.50E+01	2.00E+00	1.51E-04	8.11E-02	1.91E-02	2.10E+00
146	486583.18	3856193.15	1.51E+00	1.24E-04	8.38E-02	1.87E-02	1.61E+00	1.99E+00	1.19E+01	8.38E-01	9.53E-02	1.48E+01	1.93E+00	1.50E-04	8.38E-02	1.87E-02	2.03E+00
147	486633.18	3856193.15	1.49E+00	1.24E-04	7.60E-02	1.81E-02	1.58E+00	1.97E+00	1.19E+01	7.60E-01	9.25E-02	1.47E+01	1.91E+00	1.50E-04	7.60E-02	1.81E-02	2.00E+00
148	486683.18	3856193.15	1.48E+00	1.24E-04	6.16E-02	1.75E-02	1.56E+00	1.96E+00	1.19E+01	6.16E-01	8.95E-02	1.46E+01	1.90E+00	1.50E-04	6.16E-02	1.75E-02	1.98E+00
149	486733.18	3856193.15	1.46E+00	1.23E-04	4.67E-02	1.71E-02	1.52E+00	1.92E+00	1.18E+01	4.67E-01	8.72E-02	1.43E+01	1.87E+00	1.50E-04	4.67E-02	1.71E-02	1.93E+00
150	486783.18	3856193.15	1.47E+00	1.24E-04	3.05E-02	1.65E-02	1.51E+00	1.94E+00	1.19E+01	3.05E-01	8.43E-02	1.42E+01	1.88E+00	1.50E-04	3.05E-02	1.65E-02	1.93E+00
151	486533.18	3856243.15	1.67E+00	1.33E-04	7.18E-02	2.30E-02	1.77E+00	2.21E+00	1.28E+01	7.18E-01	1.18E-01	1.58E+01	2.15E+00	1.62E-04	7.18E-02	2.30E-02	2.24E+00
152	486583.18	3856243.15	1.63E+00	1.33E-04	7.80E-02	2.24E-02	1.73E+00	2.16E+00	1.27E+01	7.80E-01	1.15E-01	1.58E+01	2.09E+00	1.61E-04	7.80E-02	2.24E-02	2.19E+00
153	486633.18	3856243.15	1.60E+00	1.32E-04	7.71E-02	2.18E-02	1.70E+00	2.11E+00	1.27E+01	7.71E-01	1.12E-01	1.57E+01	2.05E+00	1.60E-04	7.71E-02	2.18E-02	2.15E+00
154	486683.18	3856243.15	1.58E+00	1.32E-04	6.85E-02	2.12E-02	1.67E+00	2.08E+00	1.27E+01	6.85E-01	1.08E-01	1.55E+01	2.02E+00	1.60E-04	6.85E-02	2.12E-02	2.11E+00
155	486733.18	3856243.15	1.58E+00	1.32E-04	5.44E-02	2.05E-02	1.65E+00	2.08E+00	1.27E+01	5.44E-01	1.05E-01	1.54E+01	2.02E+00	1.60E-04	5.44E-02	2.05E-02	2.09E+00
156	486783.18	3856243.15	1.56E+00	1.32E-04	3.94E-02	1.98E-02	1.62E+00	2.05E+00	1.27E+01	3.94E-01	1.01E-01	1.52E+01	1.99E+00	1.60E-04	3.94E-02	1.98E-02	2.05E+00
157	486533.18	3856293.15	1.81E+00	1.42E-04	5.90E-02	2.67E-02	1.90E+00	2.39E+00	1.36E+01	5.90E-01	1.37E-01	1.68E+01	2.32E+00	1.72E-04	5.90E-02	2.67E-02	2.41E+00
158	486583.18	3856293.15	1.76E+00	1.41E-04	6.93E-02	2.61E-02	1.85E+00	2.32E+00	1.35E+01	6.93E-01	1.33E-01	1.67E+01	2.25E+00	1.71E-04	6.93E-02	2.61E-02	2.35E+00
159	486633.18	3856293.15	1.72E+00	1.41E-04	7.36E-02	2.53E-02	1.82E+00	2.27E+00	1.35E+01	7.36E-01	1.29E-01	1.66E+01	2.20E+00	1.71E-04	7.36E-02	2.53E-02	2.30E+00
160	486683.18	3856293.15	1.69E+00	1.41E-04	7.08E-02	2.46E-02	1.79E+00	2.24E+00	1.35E+01	7.08E-01	1.26E-01	1.65E+01	2.17E+00	1.70E-04	7.08E-02	2.46E-02	2.27E+00
161	486733.18	3856293.15	1.69E+00	1.41E-04	6.03E-02	2.37E-02	1.78E+00	2.24E+00	1.35E+01	6.03E-01	1.21E-01	1.65E+01	2.17E+00	1.71E-04	6.03E-02	2.37E-02	2.26E+00
162	486783.18	3856293.15	1.66E+00	1.41E-04	4.75E-02	2.30E-02	1.74E+00	2.20E+00	1.35E+01	4.75E-01	1.17E-01	1.63E+01	2.13E+00	1.70E-04	4.75E-02	2.30E-02	2.20E+00
163	486783.18	3856343.15	1.80E+00	1.51E-04	5.26E-02	2.46E-02	1.88E+00	2.38E+00	1.44E+01	5.26E-01	1.26E-01	1.75E+01	2.31E+00	1.83E-04	5.26E-02	2.46E-02	2.39E+00
164	486833.18	3856343.15	1.77E+00	1.51E-04	3.98E-02	2.38E-02	1.84E+00	2.34E+00	1.45E+01	3.98E-01	1.21E-01	1.73E+01	2.27E+00	1.83E-04	3.98E-02	2.38E-02	2.34E+00
165	486883.18	3856343.15	1.74E+00	1.51E-04	2.89E-02	2.30E-02	1.79E+00	2.30E+00	1.45E+01	2.89E-01	1.17E-01	1.72E+01	2.23E+00	1.83E-04	2.89E-02	2.30E-02	2.29E+00
166	486783.18	3856393.15	1.92E+00	1.60E-04	5.70E-02	2.62E-02	2.00E+00	2.54E+00	1.53E+01	5.70E-01	1.34E-01	1.85E+01	2.46E+00	1.93E-04	5.70E-02	2.62E-02	2.55E+00
167	486833.18	3856393.15	1.89E+00	1.60E-04	4.67E-02	2.53E-02	1.96E+00	2.49E+00	1.53E+01	4.67E-01	1.29E-01	1.84E+01	2.42E+00	1.94E-04	4.67E-02	2.53E-02	2.49E+00
168	486883.18	3856393.15	1.84E+00	1.60E-04	3.48E-02	2.45E-02	1.89E+00	2.42E+00	1.53E+01	3.48E-01	1.25E-01	1.82E+01	2.35E+00	1.93E-04	3.48E-02	2.45E-02	2.41E+00
169	487208.74	3856886.11	2.69E+00	2.40E-04	3.91E-02	1.99E-02	2.75E+00	3.55E+00	2.31E+01	3.91E-01	1.02E-01	2.71E+01	3.45E+00	2.91E-04	3.91E-02	1.99E-02	3.51E+00
170	487258.74	3856886.11	2.54E+00	2.41E-04	4.20E-02	1.95E-02	2.60E+00	3.35E+00	2.31E+01	4.20E-01	9.97E-02	2.69E+01	3.25E+00	2.92E-04	4.20E-02	1.95E-02	3.31E+00
171	487308.74	3856886.11	2.40E+00	2.42E-04	5.03E-02	1.91E-02	2.47E+00	3.17E+00	2.32E+01	5.03E-01	9.74E-02	2.69E+01	3.08E+00	2.93E-04	5.03E-02	1.91E-02	3.15E+00
172	487358.74	3856886.11	2.27E+00	2.41E-04	5.96E-02	1.87E-02	2.35E+00	3.00E+00	2.31E+01	5.96E-01	9.54E-02	2.68E+01	2.91E+00	2.92E-04	5.96E-02	1.87E-02	2.99E+00
173	487208.74	3856936.11	2.87E+00	2.45E-04	4.60E-02	1.90E-02	2.94E+00	3.79E+00	2.35E+01	4.60E-01	9.70E-02	2.79E+01	3.68E+00	2.97E-04	4.60E-02	1.90E-02	3.75E+00
174	487258.74	3856936.11	2.67E+00	2.46E-04	3.91E-02	1.80E-02	2.73E+00	3.53E+00	2.35E+01	3.91E-01	9.18E-02	2.76E+01	3.43E+00	2.97E-04	3.91E-02	1.80E-02	3.49E+00
175	487308.74	3856936.11	2.48E+00	2.47E-04	4.62E-02	1.74E-02	2.54E+00	3.27E+00	2.37E+01	4.62E-01	8.87E-02	2.75E+01	3.17E+00	2.99E-04	4.62E-02	1.74E-02	3.24E+00
176	487358.74	3856936.11	2.28E+00	2.47E-04	5.54E-02	1.70E-02	2.35E+00	3.01E+00	2.37E+01	5.54E-01	8.71E-02	2.74E+01	2.92E+00	3.00E-04	5.54E-02	1.70E-02	3.00E+00
177	487208.74	3856986.11	2.98E+00	2.48E-04	5.36E-02	2.03E-02	3.06E+00	3.94E+00	2.38E+01	5.36E-01	1.04E-01	2.84E+01	3.82E+00	3.01E-04	5.36E-02	2.03E-02	3.90E+00
178	487258.74	3856986.11	2.65E+00	2.51E-04	4.63E-02	1.92E-02	2.72E+00	3.51E+00	2.41E+01	4.63E-01	9.83E-02	2.82E+01	3.40E+00	3.05E-04	4.63E-02	1.92E-02	3.47E+00
179	487308.74	3856986.11	2.38E+00	2.51E-04	4.18E-02	1.83E-02	2.44E+00	3.14E+00	2.40E+01	4.18E-01	9.36E-02	2.77E+01	3.05E+00	3.04E-04	4.18E-02	1.83E-02	3.11E+00

180	487358.74	3856986.11	2.13E+00	2.53E-04	5.09E-02	1.73E-02	2.20E+00	2.82E+00	2.43E+01	5.09E-01	8.83E-02	2.77E+01	2.74E+00	3.07E-04	5.09E-02	1.73E-02	2.80E+00
181	487208.74	3857036.11	2.77E+00	2.50E-04	6.17E-02	2.11E-02	2.85E+00	3.66E+00	2.39E+01	6.17E-01	1.08E-01	2.83E+01	3.55E+00	3.02E-04	6.17E-02	2.11E-02	3.63E+00
182	487258.74	3857036.11	2.50E+00	2.52E-04	5.43E-02	2.01E-02	2.58E+00	3.31E+00	2.41E+01	5.43E-01	1.03E-01	2.81E+01	3.21E+00	3.05E-04	5.43E-02	2.01E-02	3.28E+00
183	487308.74	3857036.11	2.28E+00	2.55E-04	4.64E-02	1.91E-02	2.35E+00	3.02E+00	2.45E+01	4.64E-01	9.78E-02	2.81E+01	2.93E+00	3.09E-04	4.64E-02	1.91E-02	2.99E+00
184	487358.74	3857036.11	2.11E+00	2.57E-04	4.60E-02	1.82E-02	2.17E+00	2.78E+00	2.46E+01	4.60E-01	9.31E-02	2.80E+01	2.70E+00	3.11E-04	4.60E-02	1.82E-02	2.76E+00
185	487427.14	3856878.23	2.09E+00	2.44E-04	7.37E-02	1.81E-02	2.18E+00	2.76E+00	2.34E+01	7.37E-01	9.26E-02	2.70E+01	2.67E+00	2.95E-04	7.37E-02	1.81E-02	2.77E+00
186	487477.14	3856878.23	1.96E+00	2.45E-04	8.37E-02	1.76E-02	2.06E+00	2.59E+00	2.35E+01	8.37E-01	9.00E-02	2.71E+01	2.51E+00	2.97E-04	8.37E-02	1.76E-02	2.61E+00
187	487527.14	3856878.23	1.83E+00	2.46E-04	9.30E-02	1.71E-02	1.94E+00	2.42E+00	2.36E+01	9.30E-01	8.75E-02	2.70E+01	2.35E+00	2.98E-04	9.30E-02	1.71E-02	2.46E+00
188	487427.14	3856928.23	2.04E+00	2.50E-04	7.00E-02	1.68E-02	2.13E+00	2.70E+00	2.39E+01	7.00E-01	8.56E-02	2.74E+01	2.62E+00	3.02E-04	7.00E-02	1.68E-02	2.71E+00
189	487477.14	3856928.23	1.89E+00	2.49E-04	8.06E-02	1.64E-02	1.99E+00	2.49E+00	2.39E+01	8.06E-01	8.38E-02	2.73E+01	2.42E+00	3.02E-04	8.06E-02	1.64E-02	2.52E+00
190	487527.14	3856928.23	1.75E+00	2.51E-04	9.08E-02	1.60E-02	1.85E+00	2.31E+00	2.41E+01	9.08E-01	8.16E-02	2.73E+01	2.24E+00	3.04E-04	9.08E-02	1.60E-02	2.35E+00
191	487577.14	3856928.23	1.62E+00	2.52E-04	1.00E-01	1.55E-02	1.74E+00	2.14E+00	2.42E+01	1.00E+00	7.94E-02	2.74E+01	2.08E+00	3.05E-04	1.00E-01	1.55E-02	2.20E+00
192	487627.14	3856928.23	1.52E+00	2.51E-04	1.07E-01	1.52E-02	1.64E+00	2.00E+00	2.41E+01	1.07E+00	7.75E-02	2.72E+01	1.94E+00	3.04E-04	1.07E-01	1.52E-02	2.07E+00
193	487677.14	3856928.23	1.43E+00	2.54E-04	1.12E-01	1.47E-02	1.55E+00	1.88E+00	2.43E+01	1.12E+00	7.51E-02	2.74E+01	1.83E+00	3.07E-04	1.12E-01	1.47E-02	1.96E+00
194	487727.14	3856928.23	1.37E+00	2.57E-04	1.13E-01	1.42E-02	1.50E+00	1.81E+00	2.46E+01	1.13E+00	7.25E-02	2.76E+01	1.76E+00	3.11E-04	1.13E-01	1.42E-02	1.89E+00
195	487777.14	3856928.23	1.32E+00	2.57E-04	1.11E-01	1.38E-02	1.45E+00	1.74E+00	2.47E+01	1.11E+00	7.03E-02	2.76E+01	1.69E+00	3.12E-04	1.11E-01	1.38E-02	1.82E+00
196	487427.14	3856978.23	1.90E+00	2.53E-04	6.57E-02	1.58E-02	1.98E+00	2.51E+00	2.42E+01	6.57E-01	8.09E-02	2.75E+01	2.44E+00	3.06E-04	6.57E-02	1.58E-02	2.52E+00
197	487477.14	3856978.23	1.74E+00	2.54E-04	7.68E-02	1.49E-02	1.83E+00	2.30E+00	2.44E+01	7.68E-01	7.60E-02	2.75E+01	2.23E+00	3.08E-04	7.68E-02	1.49E-02	2.32E+00
198	487527.14	3856978.23	1.65E+00	2.56E-04	8.79E-02	1.44E-02	1.75E+00	2.18E+00	2.46E+01	8.79E-01	7.35E-02	2.77E+01	2.11E+00	3.10E-04	8.79E-02	1.44E-02	2.21E+00
199	487577.14	3856978.23	1.57E+00	2.57E-04	9.82E-02	1.41E-02	1.68E+00	2.07E+00	2.46E+01	9.82E-01	7.19E-02	2.77E+01	2.01E+00	3.11E-04	9.82E-02	1.41E-02	2.12E+00
200	487627.14	3856978.23	1.50E+00	2.55E-04	1.07E-01	1.38E-02	1.62E+00	1.98E+00	2.45E+01	1.07E+00	7.05E-02	2.76E+01	1.92E+00	3.10E-04	1.07E-01	1.38E-02	2.04E+00
201	487677.14	3856978.23	1.43E+00	2.58E-04	1.13E-01	1.34E-02	1.56E+00	1.89E+00	2.47E+01	1.13E+00	6.85E-02	2.78E+01	1.84E+00	3.12E-04	1.13E-01	1.34E-02	1.96E+00
202	487727.14	3856978.23	1.38E+00	2.53E-04	1.16E-01	1.32E-02	1.51E+00	1.82E+00	2.43E+01	1.16E+00	6.75E-02	2.73E+01	1.77E+00	3.07E-04	1.16E-01	1.32E-02	1.89E+00
203	487777.14	3856978.23	1.31E+00	2.63E-04	1.14E-01	1.26E-02	1.44E+00	1.74E+00	2.52E+01	1.14E+00	6.44E-02	2.82E+01	1.68E+00	3.19E-04	1.14E-01	1.26E-02	1.81E+00
204	487427.14	3857028.23	1.90E+00	2.58E-04	6.09E-02	1.69E-02	1.98E+00	2.52E+00	2.47E+01	6.09E-01	8.61E-02	2.79E+01	2.44E+00	3.12E-04	6.09E-02	1.69E-02	2.52E+00
205	487477.14	3857028.23	1.78E+00	2.59E-04	7.23E-02	1.60E-02	1.87E+00	2.35E+00	2.48E+01	7.23E-01	8.16E-02	2.80E+01	2.28E+00	3.13E-04	7.23E-02	1.60E-02	2.37E+00
206	487527.14	3857028.23	1.66E+00	2.59E-04	8.40E-02	1.51E-02	1.76E+00	2.20E+00	2.48E+01	8.40E-01	7.73E-02	2.79E+01	2.13E+00	3.14E-04	8.40E-02	1.51E-02	2.23E+00
207	487577.14	3857028.23	1.56E+00	2.60E-04	9.54E-02	1.43E-02	1.67E+00	2.06E+00	2.49E+01	9.54E-01	7.28E-02	2.80E+01	2.00E+00	3.15E-04	9.54E-02	1.43E-02	2.11E+00
208	487627.14	3857028.23	1.47E+00	2.58E-04	1.05E-01	1.35E-02	1.59E+00	1.95E+00	2.47E+01	1.05E+00	6.91E-02	2.78E+01	1.89E+00	3.13E-04	1.05E-01	1.35E-02	2.01E+00
209	487677.14	3857028.23	1.40E+00	2.59E-04	1.13E-01	1.27E-02	1.53E+00	1.86E+00	2.49E+01	1.13E+00	6.48E-02	2.79E+01	1.80E+00	3.14E-04	1.13E-01	1.27E-02	1.93E+00
210	487727.14	3857028.23	1.34E+00	2.63E-04	1.17E-01	1.18E-02	1.47E+00	1.77E+00	2.52E+01	1.17E+00	6.03E-02	2.82E+01	1.72E+00	3.19E-04	1.17E-01	1.18E-02	1.85E+00
211	487777.14	3857028.23	1.28E+00	2.66E-04	1.17E-01	1.13E-02	1.41E+00	1.70E+00	2.55E+01	1.17E+00	5.75E-02	2.84E+01	1.65E+00	3.22E-04	1.17E-01	1.13E-02	1.77E+00
212	487427.14	3857078.23	1.81E+00	2.63E-04	5.55E-02	1.75E-02	1.89E+00	2.40E+00	2.52E+01	5.55E-01	8.93E-02	2.82E+01	2.33E+00	3.18E-04	5.55E-02	1.75E-02	2.40E+00
213	487477.14	3857078.23	1.69E+00	2.63E-04	6.70E-02	1.67E-02	1.78E+00	2.24E+00	2.52E+01	6.70E-01	8.53E-02	2.82E+01	2.17E+00	3.18E-04	6.70E-02	1.67E-02	2.26E+00
214	487527.14	3857078.23	1.59E+00	2.62E-04	7.93E-02	1.59E-02	1.68E+00	2.09E+00	2.52E+01	7.93E-01	8.11E-02	2.81E+01	2.03E+00	3.18E-04	7.93E-02	1.59E-02	2.13E+00
215	487577.14	3857078.23	1.49E+00	2.63E-04	9.15E-02	1.51E-02	1.60E+00	1.97E+00	2.52E+01	9.15E-01	7.70E-02	2.81E+01	1.91E+00	3.18E-04	9.15E-02	1.51E-02	2.02E+00
216	487627.14	3857078.23	1.40E+00	2.62E-04	1.03E-01	1.43E-02	1.52E+00	1.85E+00	2.51E+01	1.03E+00	7.32E-02	2.81E+01	1.80E+00	3.17E-04	1.03E-01	1.43E-02	1.91E+00
217	487677.14	3857078.23	1.33E+00	2.63E-04	1.12E-01	1.35E-02	1.45E+00	1.75E+00	2.52E+01	1.12E+00	6.91E-02	2.81E+01	1.70E+00	3.18E-04	1.12E-01	1.35E-02	1.83E+00
218	487727.14	3857078.23	1.27E+00	2.67E-04	1.18E-01	1.27E-02	1.40E+00	1.68E+00	2.56E+01	1.18E+00	6.50E-02	2.85E+01	1.63E+00	3.23E-04	1.18E-01	1.27E-02	1.76E+00
219	487777.14	3857078.23	1.22E+00	2.72E-04	1.19E-01	1.20E-02	1.35E+00	1.61E+00	2.61E+01	1.19E+00	6.13E-02	2.89E+01	1.56E+00	3.29E-04	1.19E-01	1.20E-02	1.70E+00
220	487427.14	3857128.23	1.74E+00	2.74E-04	4.96E-02	1.75E-02	1.80E+00	2.29E+00	2.63E+01	4.96E-01	8.95E-02	2.92E+01	2.23E+00	3.32E-04	4.96E-02	1.75E-02	2.29E+00
221	487477.14	3857128.23	1.61E+00	2.73E-04	6.11E-02	1.69E-02	1.69E+00	2.13E+00	2.62E+01	6.11E-01	8.62E-02	2.90E+01	2.07E+00	3.31E-04	6.11E-02	1.69E-02	2.15E+00
222	487527.14	3857128.23	1.52E+00	2.72E-04	7.37E-02	1.62E-02	1.61E+00	2.01E+00	2.60E+01	7.37E-01	8.28E-02	2.89E+01	1.95E+00	3.29E-04	7.37E-02	1.62E-02	2.04E+00
223	487577.14	3857128.23	1.44E+00	2.69E-04	8.67E-02	1.55E-02	1.54E+00	1.90E+00	2.58E+01	8.67E-01	7.91E-02	2.87E+01	1.84E+00	3.26E-04	8.67E-02	1.55E-02	1.94E+00
224	487627.14	3857128.23	1.36E+00	2.68E-04	9.92E-02	1.48E-02	1.47E+00	1.80E+00	2.57E+01	9.92E-01	7.54E-02	2.85E+01	1.74E+00	3.24E-04	9.92E-02	1.48E-02	1.86E+00
225	487677.14	3857128.23	1.30E+00	2.67E-04	1.10E-01	1.41E-02	1.42E+00	1.71E+00	2.56E+01	1.10E+00	7.20E-02	2.85E+01	1.66E+00	3.23E-04	1.10E-01	1.41E-02	1.79E+00
226	487727.14	3857128.23	1.23E+00	2.73E-04	1.18E-01	1.33E-02	1.36E+00	1.63E+00	2.62E+01	1.18E+00	6.78E-02	2.91E+01	1.58E+00	3.31E-04	1.18E-01	1.33E-02	1.71E+00
227	487777.14	3857128.23	1.18E+00	2.78E-04	1.21E-01	1.26E-02	1.31E+00	1.56E+00	2.67E+01	1.21E+00	6.44E-02	2.95E+01	1.51E+00	3.37E-04	1.21E-01	1.26E-02	1.64E+00
228	488049.44	3856539.39	1.22E+00	2.19E-04	4.28E-02	1.16E-02	1.28E+00	1.62E+00	2.10E+01	4.28E-01	5.93E-02	2.31E+01	1.57E+00	2.66E-04	4.28E-02	1.16E-02	1.62E+00
229	488099.44	3856539.39	1.20E+00	2.17E-04	4.79E-02	1.13E-02	1.26E+00	1.58E+00	2.08E+01	4.79E-01	5.75E-02	2.29E+01	1.53E+00	2.62E-04	4.79E-02	1.13E-02	1.59E+00
230	488149.44	3856539.39	1.17E+00	2.16E-04	5.18E-02	1.09E-02	1.23E+00	1.54E+00	2.07E+01	5.18E-01	5.57E-02	2.28E+01	1.50E+00	2.62E-04	5.18E-02	1.09E-02	1.56E+00
231	488049.44	3856589.39	1.23E+00	2.26E-04	4.36E-02	1.20E-02	1.29E+00	1.63E+00	2.17E+01	4.36E-01	6.15E-02	2.38E+01	1.58E+00	2.74E-04	4.36E-02	1.20E-02	1.64E+00
232	488099.44	3856589.39	1.20E+00	2.24E-04	4.88E-02	1.16E-02	1.26E+00	1.58E+00	2.15E+01	4.88E-01	5.94E-02	2.36E+01	1.54E+00	2.72E-04	4.88E-02	1.16E-02	1.60E+00
233	488149.44	3856589.39	1.16E+00	2.23E-04	5.28E-02	1.12E-02	1.23E+00	1.54E+00	2.14E+01	5.28E-01	5.73E-02	2.35E+01	1.49E+00	2.70E-04	5.28E-02	1.12E-02	1.55E+00
234	488199.44	3856589.39	1.13E+00	2.20E-04	5.51E-02	1.09E-02	1.19E+00	1.49E+00	2.11E+01	5.51E-01	5.57E-02	2.32E+01	1.44E+00	2.66E-04	5.51E-02	1.09E-02	1.51E+00
235	488249.44	3856589.39	1.09E+00	2.23E-04	5.55E-02	1.09E-02	1.15E+00	1.44E+00	2.14E+01	5.55E-01	5.55E-02	2.35E+01	1.40E+00	2.71E-04	5.55E-02	1.09E-02	1.46E+00
236	488049.44	3856639.39	1.23E+00	2.32E-04	4.43E-02	1.23E-02	1.28E+00	1.62E+00	2.23E+01	4.43E-01	6.29E-02	2.44E+01	1.57E+00	2.81E-04	4.43E-02	1.23E-02	1.63E+00
237	488099.44	3856639.39	1.18E+00	2.30E-04	4.97E-02	1.19E-02	1.25E+00	1.56E+00	2.21E+01	4.97E-01	6.08E-02	2.42E+01	1.52E+00	2.79E-04	4.97E-02	1.19E-02	1.58E+00
238	488149.44	3856639.39	1.14E+00	2.28E-04	5.37E-02	1.15E-02	1.21E+00	1.51E+00	2.19E+01	5.37E-01	5.87E-02	2.40E+01	1.46E+00	2.77E-04	5.37E-02	1.15E-02	1.53E+00
239	488199.44	3856639.39	1.10E+00	2.29E-04	5.60E-02	1.10E-02	1.17E+00	1.45E+00	2.19E+01	5.60E-01	5.62E-02	2.40E+01	1.41E+00	2.77E-04	5.60E-02	1.10E-02	1.48E+00
240	488249.44	3856639.39	1.06E+00	2.28E-04	5.62E-02	1.08E-02	1.13E+00	1.40E+00	2.19E+01	5.62E-01	5.52E-02	2.39E+01	1.36E+00	2.77E-04	5.62E-02	1.08E-02	1.43E+00

241	488299.44	3856639.39	1.02E+00	2.28E-04	6.54E-02	1.08E-02	1.10E+00	1.35E+00	2.19E+01	6.54E-01	5.50E-02	2.39E+01	1.31E+00	2.76E-04	6.54E-02	1.08E-02	1.39E+00
242	488349.44	3856639.39	9.90E-01	2.26E-04	7.72E-02	1.07E-02	1.08E+00	1.31E+00	2.17E+01	7.72E-01	5.48E-02	2.38E+01	1.27E+00	2.74E-04	7.72E-02	1.07E-02	1.36E+00
243	488399.44	3856639.39	9.58E-01	2.29E-04	8.71E-02	1.07E-02	1.06E+00	1.27E+00	2.19E+01	8.71E-01	5.46E-02	2.41E+01	1.23E+00	2.77E-04	8.71E-02	1.07E-02	1.33E+00
244	488099.44	3856689.39	1.15E+00	2.38E-04	5.05E-02	1.19E-02	1.21E+00	1.52E+00	2.28E+01	5.05E-01	6.10E-02	2.49E+01	1.48E+00	2.88E-04	5.05E-02	1.19E-02	1.54E+00
245	488149.44	3856689.39	1.11E+00	2.35E-04	5.47E-02	1.15E-02	1.17E+00	1.46E+00	2.26E+01	5.47E-01	5.90E-02	2.47E+01	1.42E+00	2.85E-04	5.47E-02	1.15E-02	1.49E+00
246	488199.44	3856689.39	1.07E+00	2.36E-04	5.69E-02	1.11E-02	1.13E+00	1.41E+00	2.26E+01	5.69E-01	5.65E-02	2.46E+01	1.37E+00	2.86E-04	5.69E-02	1.11E-02	1.44E+00
247	488249.44	3856689.39	1.03E+00	2.34E-04	5.69E-02	1.07E-02	1.10E+00	1.36E+00	2.24E+01	5.69E-01	5.47E-02	2.44E+01	1.32E+00	2.83E-04	5.69E-02	1.07E-02	1.39E+00
248	488299.44	3856689.39	9.95E-01	2.36E-04	6.86E-02	1.06E-02	1.07E+00	1.31E+00	2.26E+01	6.86E-01	5.42E-02	2.47E+01	1.28E+00	2.85E-04	6.86E-02	1.06E-02	1.35E+00
249	488349.44	3856689.39	9.64E-01	2.34E-04	8.05E-02	1.06E-02	1.06E+00	1.27E+00	2.25E+01	8.05E-01	5.41E-02	2.46E+01	1.24E+00	2.84E-04	8.05E-02	1.06E-02	1.33E+00
250	488399.44	3856689.39	9.37E-01	2.30E-04	9.00E-02	1.05E-02	1.04E+00	1.24E+00	2.21E+01	9.00E-01	5.39E-02	2.43E+01	1.20E+00	2.79E-04	9.00E-02	1.05E-02	1.30E+00
251	488099.44	3856739.39	1.11E+00	2.46E-04	5.14E-02	1.17E-02	1.18E+00	1.47E+00	2.36E+01	5.14E-01	5.98E-02	2.56E+01	1.43E+00	2.98E-04	5.14E-02	1.17E-02	1.49E+00
252	488149.44	3856739.39	1.07E+00	2.43E-04	5.56E-02	1.14E-02	1.14E+00	1.42E+00	2.33E+01	5.56E-01	5.82E-02	2.53E+01	1.38E+00	2.94E-04	5.56E-02	1.14E-02	1.44E+00
253	488199.44	3856739.39	1.03E+00	2.45E-04	5.78E-02	1.09E-02	1.10E+00	1.37E+00	2.35E+01	5.78E-01	5.55E-02	2.55E+01	1.33E+00	2.96E-04	5.78E-02	1.09E-02	1.39E+00
254	488249.44	3856739.39	1.00E+00	2.42E-04	5.85E-02	1.05E-02	1.07E+00	1.32E+00	2.32E+01	5.85E-01	5.38E-02	2.52E+01	1.28E+00	2.94E-04	5.85E-02	1.05E-02	1.35E+00
255	488299.44	3856739.39	9.71E-01	2.38E-04	7.17E-02	1.04E-02	1.05E+00	1.28E+00	2.28E+01	7.17E-01	5.29E-02	2.48E+01	1.25E+00	2.88E-04	7.17E-02	1.04E-02	1.33E+00
256	488349.44	3856739.39	9.40E-01	2.42E-04	8.37E-02	1.03E-02	1.03E+00	1.24E+00	2.32E+01	8.37E-01	5.28E-02	2.53E+01	1.21E+00	2.93E-04	8.37E-02	1.03E-02	1.30E+00
257	488399.44	3856739.39	9.11E-01	2.45E-04	9.28E-02	1.03E-02	1.01E+00	1.20E+00	2.35E+01	9.28E-01	5.27E-02	2.57E+01	1.17E+00	2.97E-04	9.28E-02	1.03E-02	1.27E+00
258	487999.44	3856789.39	1.17E+00	2.49E-04	6.48E-02	1.24E-02	1.25E+00	1.54E+00	2.39E+01	6.48E-01	6.31E-02	2.61E+01	1.50E+00	3.01E-04	6.48E-02	1.24E-02	1.58E+00
259	488049.44	3856789.39	1.12E+00	2.49E-04	4.78E-02	1.19E-02	1.18E+00	1.48E+00	2.39E+01	4.78E-01	6.09E-02	2.59E+01	1.44E+00	3.02E-04	4.78E-02	1.19E-02	1.50E+00
260	488099.44	3856789.39	1.08E+00	2.52E-04	5.23E-02	1.14E-02	1.14E+00	1.42E+00	2.41E+01	5.23E-01	5.82E-02	2.62E+01	1.38E+00	3.05E-04	5.23E-02	1.14E-02	1.45E+00
261	488149.44	3856789.39	1.04E+00	2.50E-04	5.66E-02	1.10E-02	1.11E+00	1.37E+00	2.40E+01	5.66E-01	5.63E-02	2.60E+01	1.33E+00	3.03E-04	5.66E-02	1.10E-02	1.40E+00
262	488199.44	3856789.39	1.01E+00	2.51E-04	5.86E-02	1.06E-02	1.08E+00	1.33E+00	2.41E+01	5.86E-01	5.41E-02	2.60E+01	1.29E+00	3.04E-04	5.86E-02	1.06E-02	1.36E+00
263	488249.44	3856789.39	9.87E-01	2.50E-04	6.14E-02	1.02E-02	1.06E+00	1.30E+00	2.39E+01	6.14E-01	5.23E-02	2.59E+01	1.27E+00	3.02E-04	6.14E-02	1.02E-02	1.34E+00
264	488299.44	3856789.39	9.66E-01	2.46E-04	7.50E-02	1.00E-02	1.05E+00	1.28E+00	2.36E+01	7.50E-01	5.12E-02	2.57E+01	1.24E+00	2.98E-04	7.50E-02	1.00E-02	1.32E+00
265	488349.44	3856789.39	9.42E-01	2.50E-04	8.69E-02	1.00E-02	1.04E+00	1.24E+00	2.40E+01	8.69E-01	5.12E-02	2.62E+01	1.21E+00	3.03E-04	8.69E-02	1.00E-02	1.31E+00
266	488399.44	3856789.39	9.20E-01	2.52E-04	9.54E-02	1.00E-02	1.03E+00	1.22E+00	2.42E+01	9.54E-01	5.11E-02	2.64E+01	1.18E+00	3.06E-04	9.54E-02	1.00E-02	1.28E+00
267	487949.44	3856839.39	1.18E+00	2.53E-04	7.53E-02	1.28E-02	1.26E+00	1.55E+00	2.43E+01	7.53E-01	6.54E-02	2.67E+01	1.51E+00	3.07E-04	7.53E-02	1.28E-02	1.60E+00
268	487999.44	3856839.39	1.13E+00	2.54E-04	6.68E-02	1.23E-02	1.21E+00	1.49E+00	2.44E+01	6.68E-01	6.27E-02	2.66E+01	1.45E+00	3.08E-04	6.68E-02	1.23E-02	1.53E+00
269	488049.44	3856839.39	1.10E+00	2.54E-04	4.98E-02	1.18E-02	1.16E+00	1.45E+00	2.44E+01	4.98E-01	6.01E-02	2.64E+01	1.41E+00	3.08E-04	4.98E-02	1.18E-02	1.47E+00
270	488099.44	3856839.39	1.07E+00	2.56E-04	5.32E-02	1.12E-02	1.13E+00	1.41E+00	2.46E+01	5.32E-01	5.74E-02	2.66E+01	1.37E+00	3.10E-04	5.32E-02	1.12E-02	1.44E+00
271	488149.44	3856839.39	1.04E+00	2.57E-04	5.76E-02	1.07E-02	1.11E+00	1.38E+00	2.47E+01	5.76E-01	5.47E-02	2.67E+01	1.34E+00	3.12E-04	5.76E-02	1.07E-02	1.40E+00
272	488199.44	3856839.39	1.02E+00	2.58E-04	5.95E-02	1.02E-02	1.09E+00	1.34E+00	2.47E+01	5.95E-01	5.22E-02	2.67E+01	1.30E+00	3.13E-04	5.95E-02	1.02E-02	1.37E+00
273	487949.44	3856889.39	1.17E+00	2.57E-04	7.68E-02	1.26E-02	1.26E+00	1.55E+00	2.46E+01	7.68E-01	6.45E-02	2.70E+01	1.50E+00	3.11E-04	7.68E-02	1.26E-02	1.59E+00
274	487999.44	3856889.39	1.14E+00	2.61E-04	6.86E-02	1.20E-02	1.22E+00	1.50E+00	2.50E+01	6.86E-01	6.15E-02	2.72E+01	1.46E+00	3.16E-04	6.86E-02	1.20E-02	1.54E+00
275	488049.44	3856889.39	1.10E+00	2.58E-04	5.18E-02	1.16E-02	1.17E+00	1.46E+00	2.48E+01	5.18E-01	5.95E-02	2.68E+01	1.42E+00	3.13E-04	5.18E-02	1.16E-02	1.48E+00
276	488099.44	3856889.39	1.07E+00	2.61E-04	5.41E-02	1.11E-02	1.14E+00	1.42E+00	2.51E+01	5.41E-01	5.66E-02	2.71E+01	1.37E+00	3.17E-04	5.41E-02	1.11E-02	1.44E+00
277	488635.86	3857895.05	8.01E-01	3.87E-04	1.95E-01	1.77E-02	1.01E+00	1.06E+00	3.71E+01	1.95E+00	9.03E-02	4.02E+01	1.03E+00	4.69E-04	1.95E-01	1.77E-02	1.24E+00
278	489137.64	3857804.15	6.39E-01	3.39E-04	1.29E-01	1.27E-02	7.81E-01	8.44E-01	3.25E+01	1.29E+00	6.51E-02	3.47E+01	8.19E-01	4.10E-04	1.29E-01	1.27E-02	9.61E-01
279	488617.32	3857859.41	8.24E-01	3.84E-04	2.26E-01	1.69E-02	1.07E+00	1.09E+00	3.68E+01	2.26E+00	8.66E-02	4.02E+01	1.06E+00	4.65E-04	2.26E-01	1.69E-02	1.30E+00
280	488667.32	3857859.41	8.17E-01	3.68E-04	2.07E-01	1.73E-02	1.04E+00	1.08E+00	3.53E+01	2.07E+00	8.83E-02	3.85E+01	1.05E+00	4.45E-04	2.07E-01	1.73E-02	1.27E+00
281	488717.32	3857859.41	8.06E-01	3.55E-04	1.82E-01	1.70E-02	1.01E+00	1.06E+00	3.40E+01	1.82E+00	8.68E-02	3.70E+01	1.03E+00	4.30E-04	1.82E-01	1.70E-02	1.23E+00
282	488767.32	3857859.41	7.87E-01	3.46E-04	1.76E-01	1.61E-02	9.79E-01	1.04E+00	3.32E+01	1.76E+00	8.21E-02	3.61E+01	1.01E+00	4.20E-04	1.76E-01	1.61E-02	1.20E+00
283	488617.32	3857909.41	7.87E-01	3.97E-04	2.21E-01	1.79E-02	1.03E+00	1.04E+00	3.81E+01	2.21E+00	9.12E-02	4.14E+01	1.01E+00	4.81E-04	2.21E-01	1.79E-02	1.25E+00
284	488667.32	3857909.41	7.90E-01	3.83E-04	2.15E-01	1.71E-02	1.02E+00	1.04E+00	3.67E+01	2.15E+00	8.73E-02	4.00E+01	1.01E+00	4.64E-04	2.15E-01	1.71E-02	1.25E+00
285	488717.32	3857909.41	7.93E-01	3.67E-04	2.06E-01	1.60E-02	1.02E+00	1.05E+00	3.52E+01	2.06E+00	8.17E-02	3.84E+01	1.02E+00	4.44E-04	2.06E-01	1.60E-02	1.24E+00
286	488767.32	3857909.41	7.85E-01	3.59E-04	1.99E-01	1.52E-02	1.00E+00	1.04E+00	3.44E+01	1.99E+00	7.75E-02	3.75E+01	1.01E+00	4.35E-04	1.99E-01	1.52E-02	1.22E+00
287	488417.32	3857959.41	5.80E-01	5.01E-04	4.22E-01	1.74E-02	1.02E+00	7.66E-01	4.81E+01	4.22E+00	8.88E-02	5.32E+01	7.43E-01	6.07E-04	4.22E-01	1.74E-02	1.18E+00
288	488467.32	3857959.41	6.27E-01	4.85E-04	4.07E-01	1.84E-02	1.05E+00	8.28E-01	4.65E+01	4.07E+00	9.40E-02	5.15E+01	8.04E-01	5.87E-04	4.07E-01	1.84E-02	1.23E+00
289	488517.32	3857959.41	6.67E-01	4.61E-04	3.76E-01	1.87E-02	1.06E+00	8.81E-01	4.42E+01	3.76E+00	9.53E-02	4.90E+01	8.55E-01	5.59E-04	3.76E-01	1.87E-02	1.25E+00
290	488567.32	3857959.41	7.00E-01	4.35E-04	3.40E-01	1.82E-02	1.06E+00	9.24E-01	4.18E+01	3.40E+00	9.29E-02	4.62E+01	8.97E-01	5.27E-04	3.40E-01	1.82E-02	1.26E+00
291	488617.32	3857959.41	7.26E-01	4.11E-04	3.04E-01	1.71E-02	1.05E+00	9.59E-01	3.95E+01	3.04E+00	8.74E-02	4.35E+01	9.31E-01	4.98E-04	3.04E-01	1.71E-02	1.25E+00
292	488667.32	3857959.41	7.46E-01	3.93E-04	2.71E-01	1.59E-02	1.03E+00	9.85E-01	3.77E+01	2.71E+00	8.10E-02	4.15E+01	9.56E-01	4.76E-04	2.71E-01	1.59E-02	1.24E+00
293	488717.32	3857959.41	7.57E-01	3.81E-04	2.41E-01	1.56E-02	1.01E+00	1.00E+00	3.65E+01	2.41E+00	7.95E-02	4.00E+01	9.70E-01	4.61E-04	2.41E-01	1.56E-02	1.23E+00
294	488767.32	3857959.41	7.62E-01	3.75E-04	2.15E-01	1.49E-02	9.92E-01	1.01E+00	3.60E+01	2.15E+00	7.62E-02	3.92E+01	9.77E-01	4.55E-04	2.15E-01	1.49E-02	1.21E+00
295	488417.32	3858009.41	6.35E-01	5.22E-04	4.41E-01	1.94E-02	1.10E+00	8.38E-01	5.01E+01	4.41E+00	9.90E-02	5.54E+01	8.14E-01	6.32E-04	4.41E-01	1.94E-02	1.28E+00
296	488467.32	3858009.41	5.76E-01	5.06E-04	3.84E-01	1.92E-02	9.80E-01	7.61E-01	4.86E+01	3.84E+00	9.81E-02	5.33E+01	7.38E-01	6.14E-04	3.84E-01	1.92E-02	1.14E+00
297	488517.32	3858009.41	5.66E-01	4.82E-04	3.31E-01	1.83E-02	9.16E-01	7.48E-01	4.62E+01	3.31E+00	9.35E-02	5.03E+01	7.26E-01	5.83E-04	3.31E-01	1.83E-02	1.08E+00
298	488567.32	3858009.41	6.09E-01	4.53E-04	2.84E-01	1.68E-02	9.10E-01	8.04E-01	4.34E+01	2.84E+00	8.56E-02	4.72E+01	7.80E-01	5.49E-04	2.84E-01	1.68E-02	1.08E+00
299	488617.32	3858009.41	6.47E-01	4.25E-04	2.47E-01	1.63E-02	9.11E-01	8.55E-01	4.08E+01	2.47E+00	8.33E-02	4.42E+01	8.30E-01	5.15E-04	2.47E-01	1.63E-02	1.09E+00
300	488667.32	3858009.41	6.79E-01	4.05E-04	2.15E-01	1.57E-02	9.10E-01	8.97E-01	3.88E+01	2.15E+00	8.02E-02	4.19E+01	8.70E-01	4.90E-04	2.15E-01	1.57E-02	1.10E+00
301	488717.32	3858009.41	7.03E-01	3.95E-04	2.04E-01	1.47E-02	9.22E-01	9.28E-01	3.79E+01	2.04E+00	7.53E-02	4.10E+01	9.01E-01	4.79E-04	2.04E-01	1.47E-02	1.12E+00

302	488767.32	3858009.41	7.20E-01	3.90E-04	1.92E-01	1.49E-02	9.27E-01	9.51E-01	3.74E+01	1.92E+00	7.64E-02	4.03E+01	9.23E-01	4.72E-04	1.92E-01	1.49E-02	1.13E+00
303	488417.32	3858059.41	6.81E-01	5.44E-04	5.29E-01	1.95E-02	1.23E+00	9.00E-01	5.21E+01	5.29E+00	9.95E-02	5.84E+01	8.74E-01	6.58E-04	5.29E-01	1.95E-02	1.42E+00
304	488467.32	3858059.41	6.31E-01	5.28E-04	4.47E-01	1.81E-02	1.10E+00	8.33E-01	5.07E+01	4.47E+00	9.24E-02	5.61E+01	8.09E-01	6.40E-04	4.47E-01	1.81E-02	1.27E+00
305	488517.32	3858059.41	5.77E-01	5.02E-04	3.76E-01	1.70E-02	9.70E-01	7.62E-01	4.81E+01	3.76E+00	8.70E-02	5.27E+01	7.40E-01	6.08E-04	3.76E-01	1.70E-02	1.13E+00
306	488567.32	3858059.41	5.21E-01	4.70E-04	3.17E-01	1.64E-02	8.56E-01	6.89E-01	4.50E+01	3.17E+00	8.40E-02	4.90E+01	6.69E-01	5.69E-04	3.17E-01	1.64E-02	1.00E+00
307	488617.32	3858059.41	5.53E-01	4.40E-04	2.70E-01	1.54E-02	8.39E-01	7.31E-01	4.22E+01	2.70E+00	7.89E-02	4.57E+01	7.09E-01	5.34E-04	2.70E-01	1.54E-02	9.95E-01
308	488667.32	3858059.41	5.94E-01	4.18E-04	2.33E-01	1.57E-02	8.43E-01	7.85E-01	4.01E+01	2.33E+00	8.01E-02	4.33E+01	7.62E-01	5.06E-04	2.33E-01	1.57E-02	1.01E+00
309	488417.32	3858109.41	7.11E-01	5.59E-04	5.20E-01	1.79E-02	1.25E+00	9.40E-01	5.37E+01	5.20E+00	9.16E-02	5.99E+01	9.12E-01	6.78E-04	5.20E-01	1.79E-02	1.45E+00
310	488467.32	3858109.41	6.72E-01	5.47E-04	4.21E-01	1.73E-02	1.11E+00	8.88E-01	5.24E+01	4.21E+00	8.86E-02	5.76E+01	8.62E-01	6.62E-04	4.21E-01	1.73E-02	1.30E+00
311	488517.32	3858109.41	6.26E-01	5.21E-04	3.40E-01	1.63E-02	9.83E-01	8.27E-01	5.00E+01	3.40E+00	8.32E-02	5.43E+01	8.03E-01	6.32E-04	3.40E-01	1.63E-02	1.16E+00
312	488567.32	3858109.41	5.77E-01	4.86E-04	3.09E-01	1.65E-02	9.03E-01	7.62E-01	4.66E+01	3.09E+00	8.41E-02	5.06E+01	7.40E-01	5.89E-04	3.09E-01	1.65E-02	1.07E+00
313	488617.32	3858109.41	5.25E-01	4.55E-04	2.75E-01	1.64E-02	8.17E-01	6.93E-01	4.36E+01	2.75E+00	8.38E-02	4.71E+01	6.73E-01	5.51E-04	2.75E-01	1.64E-02	9.65E-01
314	488667.32	3858109.41	5.01E-01	4.30E-04	2.43E-01	1.61E-02	7.61E-01	6.62E-01	4.12E+01	2.43E+00	8.20E-02	4.44E+01	6.43E-01	5.20E-04	2.43E-01	1.61E-02	9.03E-01
315	488769.93	3858449.27	5.88E-01	5.79E-04	1.18E-01	1.41E-02	7.20E-01	7.76E-01	5.56E+01	1.18E+00	7.19E-02	5.76E+01	7.53E-01	7.02E-04	1.18E-01	1.41E-02	8.86E-01
316	488819.93	3858449.27	5.79E-01	5.68E-04	1.24E-01	1.57E-02	7.19E-01	7.65E-01	5.45E+01	1.24E+00	8.01E-02	5.65E+01	7.42E-01	6.88E-04	1.24E-01	1.57E-02	8.83E-01
317	488819.93	3858499.27	5.70E-01	5.95E-04	1.11E-01	1.62E-02	6.98E-01	7.54E-01	5.71E+01	1.11E+00	8.29E-02	5.90E+01	7.31E-01	7.21E-04	1.11E-01	1.62E-02	8.59E-01
318	488869.93	3858499.27	5.65E-01	5.91E-04	1.07E-01	1.60E-02	6.89E-01	7.46E-01	5.67E+01	1.07E+00	8.20E-02	5.86E+01	7.24E-01	7.17E-04	1.07E-01	1.60E-02	8.49E-01
319	488869.93	3858549.27	5.54E-01	6.40E-04	1.06E-01	1.57E-02	6.76E-01	7.31E-01	6.14E+01	1.06E+00	8.05E-02	6.33E+01	7.10E-01	7.75E-04	1.06E-01	1.57E-02	8.33E-01
320	489438.17	3859571.48	4.88E-01	8.78E-04	4.81E-02	1.13E-02	5.49E-01	6.45E-01	8.42E+01	4.81E-01	5.76E-02	8.54E+01	6.26E-01	1.06E-03	4.81E-02	1.13E-02	6.86E-01
321	489488.17	3859571.48	4.73E-01	8.54E-04	4.59E-02	1.13E-02	5.31E-01	6.25E-01	8.19E+01	4.59E-01	5.77E-02	8.31E+01	6.07E-01	1.04E-03	4.59E-02	1.13E-02	6.65E-01
322	489538.17	3859571.48	4.52E-01	8.31E-04	4.22E-02	1.13E-02	5.07E-01	5.97E-01	7.97E+01	4.22E-01	5.77E-02	8.08E+01	5.80E-01	1.01E-03	4.22E-02	1.13E-02	6.34E-01
323	489588.17	3859571.48	4.25E-01	8.12E-04	4.15E-02	1.13E-02	4.79E-01	5.62E-01	7.78E+01	4.15E-01	5.77E-02	7.89E+01	5.45E-01	9.83E-04	4.15E-02	1.13E-02	5.99E-01
324	489438.17	3859621.48	4.86E-01	8.26E-04	4.89E-02	1.18E-02	5.48E-01	6.42E-01	7.92E+01	4.89E-01	6.00E-02	8.04E+01	6.23E-01	1.00E-03	4.89E-02	1.18E-02	6.85E-01
325	489488.17	3859621.48	4.79E-01	8.05E-04	4.82E-02	1.17E-02	5.39E-01	6.32E-01	7.72E+01	4.82E-01	5.99E-02	7.83E+01	6.13E-01	9.75E-04	4.82E-02	1.17E-02	6.74E-01
326	489538.17	3859621.48	4.64E-01	7.83E-04	4.58E-02	1.17E-02	5.23E-01	6.13E-01	7.51E+01	4.58E-01	5.98E-02	7.62E+01	5.95E-01	9.49E-04	4.58E-02	1.17E-02	6.54E-01
327	489588.17	3859621.48	4.45E-01	7.62E-04	4.23E-02	1.17E-02	5.00E-01	5.88E-01	7.31E+01	4.23E-01	5.96E-02	7.42E+01	5.70E-01	9.23E-04	4.23E-02	1.17E-02	6.25E-01
328	489238.17	3859671.48	4.16E-01	8.66E-04	5.85E-02	1.58E-02	4.91E-01	5.50E-01	8.31E+01	5.85E-01	8.09E-02	8.43E+01	5.33E-01	1.05E-03	5.85E-02	1.58E-02	6.09E-01
329	489288.17	3859671.48	4.39E-01	8.48E-04	5.81E-02	1.48E-02	5.13E-01	5.80E-01	8.13E+01	5.81E-01	7.55E-02	8.25E+01	5.63E-01	1.03E-03	5.81E-02	1.48E-02	6.37E-01
330	489338.17	3859671.48	4.58E-01	8.25E-04	5.51E-02	1.38E-02	5.28E-01	6.05E-01	7.91E+01	5.51E-01	7.05E-02	8.03E+01	5.87E-01	9.99E-04	5.51E-02	1.38E-02	6.57E-01
331	489388.17	3859671.48	4.72E-01	7.98E-04	5.00E-02	1.29E-02	5.35E-01	6.23E-01	7.66E+01	5.00E-01	6.58E-02	7.78E+01	6.05E-01	9.67E-04	5.00E-02	1.29E-02	6.68E-01
332	489438.17	3859671.48	4.77E-01	7.78E-04	4.85E-02	1.21E-02	5.39E-01	6.31E-01	7.46E+01	4.85E-01	6.18E-02	7.58E+01	6.12E-01	9.43E-04	4.85E-02	1.21E-02	6.74E-01
333	489488.17	3859671.48	4.78E-01	7.56E-04	4.98E-02	1.20E-02	5.40E-01	6.31E-01	7.25E+01	4.98E-01	6.15E-02	7.37E+01	6.12E-01	9.16E-04	4.98E-02	1.20E-02	6.75E-01
334	489538.17	3859671.48	4.71E-01	7.39E-04	4.90E-02	1.20E-02	5.33E-01	6.22E-01	7.09E+01	4.90E-01	6.11E-02	7.20E+01	6.04E-01	8.95E-04	4.90E-02	1.20E-02	6.66E-01
335	489588.17	3859671.48	4.58E-01	7.29E-04	4.66E-02	1.19E-02	5.17E-01	6.05E-01	7.00E+01	4.66E-01	6.08E-02	7.11E+01	5.87E-01	8.84E-04	4.66E-02	1.19E-02	6.46E-01
336	489238.17	3859721.48	3.82E-01	8.19E-04	5.80E-02	1.59E-02	4.56E-01	5.04E-01	7.86E+01	5.80E-01	8.10E-02	7.97E+01	4.89E-01	9.93E-04	5.80E-02	1.59E-02	5.64E-01
337	489288.17	3859721.48	4.09E-01	7.92E-04	6.05E-02	1.46E-02	4.85E-01	5.41E-01	7.59E+01	6.05E-01	7.46E-02	7.71E+01	5.25E-01	9.59E-04	6.05E-02	1.46E-02	6.01E-01
338	489338.17	3859721.48	4.32E-01	7.77E-04	5.94E-02	1.35E-02	5.06E-01	5.71E-01	7.45E+01	5.94E-01	6.90E-02	7.57E+01	5.54E-01	9.41E-04	5.94E-02	1.35E-02	6.28E-01
339	489388.17	3859721.48	4.50E-01	7.67E-04	5.56E-02	1.28E-02	5.20E-01	5.95E-01	7.36E+01	5.56E-01	6.53E-02	7.48E+01	5.78E-01	9.29E-04	5.56E-02	1.28E-02	6.47E-01
340	489438.17	3859721.48	4.63E-01	7.56E-04	4.95E-02	1.24E-02	5.25E-01	6.11E-01	7.25E+01	4.95E-01	6.35E-02	7.37E+01	5.93E-01	9.16E-04	4.95E-02	1.24E-02	6.56E-01
341	489488.17	3859721.48	4.70E-01	7.38E-04	5.00E-02	1.21E-02	5.32E-01	6.20E-01	7.08E+01	5.00E-01	6.17E-02	7.20E+01	6.02E-01	8.95E-04	5.00E-02	1.21E-02	6.65E-01
342	489538.17	3859721.48	4.70E-01	7.22E-04	5.09E-02	1.20E-02	5.33E-01	6.21E-01	6.93E+01	5.09E-01	6.11E-02	7.05E+01	6.02E-01	8.75E-04	5.09E-02	1.20E-02	6.66E-01
343	489588.17	3859721.48	4.64E-01	7.06E-04	4.99E-02	1.19E-02	5.26E-01	6.12E-01	6.77E+01	4.99E-01	6.07E-02	6.89E+01	5.94E-01	8.55E-04	4.99E-02	1.19E-02	6.57E-01
344	489238.17	3859771.48	3.47E-01	8.01E-04	5.63E-02	1.65E-02	4.20E-01	4.58E-01	7.69E+01	5.63E-01	8.40E-02	7.80E+01	4.45E-01	9.71E-04	5.63E-02	1.65E-02	5.18E-01
345	489288.17	3859771.48	3.76E-01	7.89E-04	6.08E-02	1.52E-02	4.53E-01	4.97E-01	7.56E+01	6.08E-01	7.75E-02	7.68E+01	4.83E-01	9.56E-04	6.08E-02	1.52E-02	5.60E-01
346	489338.17	3859771.48	4.02E-01	7.72E-04	6.15E-02	1.41E-02	4.79E-01	5.32E-01	7.41E+01	6.15E-01	7.21E-02	7.53E+01	5.16E-01	9.36E-04	6.15E-02	1.41E-02	5.92E-01
347	489388.17	3859771.48	4.25E-01	7.64E-04	5.96E-02	1.37E-02	4.99E-01	5.61E-01	7.33E+01	5.96E-01	6.98E-02	7.45E+01	5.45E-01	9.26E-04	5.96E-02	1.37E-02	6.19E-01
348	489438.17	3859771.48	4.42E-01	7.63E-04	5.49E-02	1.32E-02	5.11E-01	5.84E-01	7.32E+01	5.49E-01	6.76E-02	7.44E+01	5.67E-01	9.25E-04	5.49E-02	1.32E-02	6.36E-01
349	489488.17	3859771.48	4.55E-01	7.53E-04	4.93E-02	1.28E-02	5.18E-01	6.02E-01	7.23E+01	4.93E-01	6.56E-02	7.34E+01	5.84E-01	9.13E-04	4.93E-02	1.28E-02	6.47E-01
350	489538.17	3859771.48	4.63E-01	7.43E-04	5.15E-02	1.24E-02	5.27E-01	6.11E-01	7.13E+01	5.15E-01	6.36E-02	7.25E+01	5.93E-01	9.01E-04	5.15E-02	1.24E-02	6.58E-01
351	489588.17	3859771.48	4.62E-01	7.36E-04	5.18E-02	1.21E-02	5.27E-01	6.11E-01	7.06E+01	5.18E-01	6.17E-02	7.18E+01	5.93E-01	8.91E-04	5.18E-02	1.21E-02	6.58E-01
352	489238.17	3859821.48	3.26E-01	7.92E-04	5.33E-02	2.55E-02	4.06E-01	4.31E-01	7.60E+01	5.33E-01	1.30E-01	7.71E+01	4.19E-01	9.60E-04	5.33E-02	2.55E-02	4.98E-01
353	489288.17	3859821.48	3.42E-01	7.90E-04	5.95E-02	2.41E-02	4.27E-01	4.52E-01	7.58E+01	5.95E-01	1.23E-01	7.69E+01	4.39E-01	9.57E-04	5.95E-02	2.41E-02	5.23E-01
354	489338.17	3859821.48	3.70E-01	7.94E-04	6.23E-02	2.28E-02	4.56E-01	4.89E-01	7.61E+01	6.23E-01	1.16E-01	7.74E+01	4.75E-01	9.62E-04	6.23E-02	2.28E-02	5.61E-01
355	489388.17	3859821.48	3.96E-01	7.93E-04	6.22E-02	2.16E-02	4.80E-01	5.23E-01	7.60E+01	6.22E-01	1.10E-01	7.73E+01	5.08E-01	9.60E-04	6.22E-02	2.16E-02	5.92E-01
356	489438.17	3859821.48	4.18E-01	7.85E-04	6.00E-02	2.06E-02	5.00E-01	5.53E-01	7.52E+01	6.00E-01	1.05E-01	7.65E+01	5.36E-01	9.51E-04	6.00E-02	2.06E-02	6.18E-01
357	489488.17	3859821.48	4.36E-01	7.74E-04	5.54E-02	1.96E-02	5.12E-01	5.76E-01	7.42E+01	5.54E-01	1.00E-01	7.54E+01	5.59E-01	9.37E-04	5.54E-02	1.96E-02	6.35E-01
358	489538.17	3859821.48	4.49E-01	7.60E-04	5.09E-02	1.88E-02	5.20E-01	5.93E-01	7.29E+01	5.09E-01	9.60E-02	7.41E+01	5.76E-01	9.21E-04	5.09E-02	1.88E-02	6.46E-01
359	489588.17	3859821.48	4.55E-01	7.50E-04	5.27E-02	1.80E-02	5.27E-01	6.01E-01	7.19E+01	5.27E-01	9.18E-02	7.31E+01	5.83E-01	9.08E-04	5.27E-02	1.80E-02	6.55E-01
360	489238.17	3859871.48	3.13E-01	8.18E-04	4.96E-02	3.21E-02	3.96E-01	4.14E-01	7.84E+01	4.96E-01	1.64E-01	7.95E+01	4.02E-01	9.91E-04	4.96E-02	3.21E-02	4.85E-01
361	489288.17	3859871.48	3.22E-01	8.14E-04	5.66E-02	3.07E-02	4.10E-01	4.25E-01	7.81E+01	5.66E-01	1.57E-01	7.92E+01	4.13E-01	9.86E-04	5.66E-02	3.07E-02	5.01E-01
362	489338.17	3859871.48	3.37E-01	8.03E-04	6.14E-02	2.93E-02	4.29E-01	4.45E-01	7.70E+01	6.14E-01	1.50E-01	7.82E+01	4.32E-01	9.73E-04	6.14E-02	2.93E-02	5.24E-01

363	489388.17	3859871.48	3.65E-01	7.93E-04	6.38E-02	2.80E-02	4.58E-01	4.83E-01	7.61E+01	6.38E-01	1.43E-01	7.73E+01	4.68E-01	9.61E-04	6.38E-02	2.80E-02	5.61E-01
364	489438.17	3859871.48	3.92E-01	7.77E-04	6.41E-02	2.69E-02	4.83E-01	5.17E-01	7.45E+01	6.41E-01	1.37E-01	7.58E+01	5.02E-01	9.41E-04	6.41E-02	2.69E-02	5.94E-01
365	489488.17	3859871.48	4.15E-01	7.55E-04	6.21E-02	2.59E-02	5.03E-01	5.48E-01	7.24E+01	6.21E-01	1.32E-01	7.37E+01	5.32E-01	9.15E-04	6.21E-02	2.59E-02	6.21E-01
366	489538.17	3859871.48	4.31E-01	7.50E-04	5.60E-02	2.48E-02	5.12E-01	5.69E-01	7.19E+01	5.60E-01	1.27E-01	7.31E+01	5.52E-01	9.08E-04	5.60E-02	2.48E-02	6.34E-01
367	489588.17	3859871.48	4.43E-01	7.38E-04	5.29E-02	2.38E-02	5.20E-01	5.85E-01	7.08E+01	5.29E-01	1.21E-01	7.20E+01	5.68E-01	8.94E-04	5.29E-02	2.38E-02	6.45E-01
368	489238.17	3859921.48	3.26E-01	8.21E-04	4.68E-02	3.04E-02	4.04E-01	4.31E-01	7.87E+01	4.68E-01	1.56E-01	7.98E+01	4.18E-01	9.94E-04	4.68E-02	3.04E-02	4.97E-01
369	489288.17	3859921.48	3.11E-01	7.93E-04	5.38E-02	3.00E-02	3.95E-01	4.10E-01	7.61E+01	5.38E-01	1.53E-01	7.72E+01	3.98E-01	9.61E-04	5.38E-02	3.00E-02	4.83E-01
370	489338.17	3859921.48	3.18E-01	7.81E-04	6.01E-02	2.95E-02	4.09E-01	4.21E-01	7.49E+01	6.01E-01	1.51E-01	7.61E+01	4.08E-01	9.46E-04	6.01E-02	2.95E-02	4.99E-01
371	489388.17	3859921.48	3.35E-01	7.64E-04	6.48E-02	2.90E-02	4.29E-01	4.42E-01	7.33E+01	6.48E-01	1.48E-01	7.45E+01	4.29E-01	9.26E-04	6.48E-02	2.90E-02	5.24E-01
372	489438.17	3859921.48	3.63E-01	7.40E-04	6.78E-02	2.85E-02	4.60E-01	4.80E-01	7.10E+01	6.78E-01	1.45E-01	7.23E+01	4.66E-01	8.97E-04	6.78E-02	2.85E-02	5.63E-01
373	489488.17	3859921.48	3.88E-01	7.28E-04	6.67E-02	2.78E-02	4.83E-01	5.13E-01	6.98E+01	6.67E-01	1.42E-01	7.11E+01	4.97E-01	8.82E-04	6.67E-02	2.78E-02	5.93E-01
374	489538.17	3859921.48	4.09E-01	7.20E-04	6.24E-02	2.71E-02	4.99E-01	5.40E-01	6.91E+01	6.24E-01	1.38E-01	7.04E+01	5.24E-01	8.73E-04	6.24E-02	2.71E-02	6.14E-01
375	489588.17	3859921.48	4.26E-01	7.04E-04	5.71E-02	2.64E-02	5.10E-01	5.63E-01	6.75E+01	5.71E-01	1.35E-01	6.88E+01	5.46E-01	8.53E-04	5.71E-02	2.64E-02	6.30E-01
376	489238.17	3859971.48	3.37E-01	8.81E-04	4.62E-02	3.31E-02	4.17E-01	4.45E-01	8.45E+01	4.62E-01	1.69E-01	8.56E+01	4.32E-01	1.07E-03	4.62E-02	3.31E-02	5.13E-01
377	489288.17	3859971.48	3.20E-01	8.44E-04	4.97E-02	3.14E-02	4.02E-01	4.23E-01	8.09E+01	4.97E-01	1.60E-01	8.20E+01	4.10E-01	1.02E-03	4.97E-02	3.14E-02	4.92E-01
378	489338.17	3859971.48	3.08E-01	8.04E-04	5.76E-02	2.95E-02	3.96E-01	4.06E-01	7.71E+01	5.76E-01	1.51E-01	7.82E+01	3.94E-01	9.73E-04	5.76E-02	2.95E-02	4.82E-01
379	489388.17	3859971.48	3.16E-01	7.55E-04	6.46E-02	2.76E-02	4.09E-01	4.18E-01	7.24E+01	6.46E-01	1.41E-01	7.36E+01	4.06E-01	9.14E-04	6.46E-02	2.76E-02	4.99E-01
380	489438.17	3859971.48	3.33E-01	6.99E-04	7.04E-02	2.59E-02	4.30E-01	4.40E-01	6.70E+01	7.04E-01	1.32E-01	6.83E+01	4.27E-01	8.46E-04	7.04E-02	2.59E-02	5.24E-01
381	489488.17	3859971.48	3.62E-01	6.56E-04	7.25E-02	2.52E-02	4.61E-01	4.79E-01	6.29E+01	7.25E-01	1.29E-01	6.42E+01	4.64E-01	7.94E-04	7.25E-02	2.52E-02	5.63E-01
382	489538.17	3859971.48	3.87E-01	6.29E-04	6.86E-02	2.54E-02	4.82E-01	5.12E-01	6.04E+01	6.86E-01	1.30E-01	6.17E+01	4.97E-01	7.63E-04	6.86E-02	2.54E-02	5.91E-01
383	489588.17	3859971.48	4.09E-01	6.11E-04	6.27E-02	2.55E-02	4.97E-01	5.40E-01	5.86E+01	6.27E-01	1.30E-01	5.99E+01	5.24E-01	7.41E-04	6.27E-02	2.55E-02	6.13E-01
384	483577.7	3854071	9.31E-01	1.48E-04	3.39E-02	1.13E-02	9.77E-01	1.23E+00	1.42E+01	3.39E-01	5.77E-02	1.58E+01	1.19E+00	1.80E-04	3.39E-02	1.13E-02	1.24E+00
385	483627.7	3854071	1.06E+00	1.44E-04	3.34E-02	1.01E-02	1.10E+00	1.40E+00	1.38E+01	3.34E-01	5.16E-02	1.56E+01	1.36E+00	1.75E-04	3.34E-02	1.01E-02	1.40E+00
386	483677.7	3854071	1.16E+00	1.41E-04	3.29E-02	9.84E-03	1.20E+00	1.53E+00	1.35E+01	3.29E-01	5.03E-02	1.54E+01	1.49E+00	1.70E-04	3.29E-02	9.84E-03	1.53E+00
387	483727.7	3854071	1.22E+00	1.37E-04	3.23E-02	9.71E-03	1.27E+00	1.62E+00	1.31E+01	3.23E-01	4.96E-02	1.51E+01	1.57E+00	1.66E-04	3.23E-02	9.71E-03	1.61E+00
388	483777.7	3854071	1.24E+00	1.31E-04	3.16E-02	1.06E-02	1.28E+00	1.64E+00	1.25E+01	3.16E-01	5.41E-02	1.45E+01	1.59E+00	1.58E-04	3.16E-02	1.06E-02	1.63E+00
389	483577.7	3854121	8.15E-01	1.50E-04	3.47E-02	1.08E-02	8.61E-01	1.08E+00	1.43E+01	3.47E-01	5.54E-02	1.58E+01	1.04E+00	1.81E-04	3.47E-02	1.08E-02	1.09E+00
390	483627.7	3854121	9.67E-01	1.44E-04	3.43E-02	1.03E-02	1.01E+00	1.28E+00	1.38E+01	3.43E-01	5.25E-02	1.55E+01	1.24E+00	1.75E-04	3.43E-02	1.03E-02	1.28E+00
391	483677.7	3854121	1.10E+00	1.39E-04	3.38E-02	1.00E-02	1.14E+00	1.45E+00	1.33E+01	3.38E-01	5.11E-02	1.51E+01	1.41E+00	1.68E-04	3.38E-02	1.00E-02	1.45E+00
392	483727.7	3854121	1.20E+00	1.33E-04	3.33E-02	1.02E-02	1.24E+00	1.58E+00	1.28E+01	3.33E-01	5.23E-02	1.47E+01	1.54E+00	1.61E-04	3.33E-02	1.02E-02	1.58E+00
393	483777.7	3854121	1.31E+00	1.29E-04	3.27E-02	1.11E-02	1.36E+00	1.73E+00	1.23E+01	3.27E-01	5.67E-02	1.45E+01	1.68E+00	1.56E-04	3.27E-02	1.11E-02	1.73E+00
394	483577.7	3854171	7.82E-01	1.46E-04	3.53E-02	1.07E-02	8.28E-01	1.03E+00	1.40E+01	3.53E-01	5.46E-02	1.55E+01	1.00E+00	1.77E-04	3.53E-02	1.07E-02	1.05E+00
395	483627.7	3854171	8.43E-01	1.40E-04	3.50E-02	1.04E-02	8.89E-01	1.11E+00	1.34E+01	3.50E-01	5.33E-02	1.49E+01	1.08E+00	1.69E-04	3.50E-02	1.04E-02	1.13E+00
396	483677.7	3854171	9.99E-01	1.35E-04	3.47E-02	1.02E-02	1.04E+00	1.32E+00	1.30E+01	3.47E-01	5.19E-02	1.47E+01	1.28E+00	1.64E-04	3.47E-02	1.02E-02	1.33E+00
397	483727.7	3854171	1.17E+00	1.31E-04	3.42E-02	1.05E-02	1.21E+00	1.54E+00	1.26E+01	3.42E-01	5.38E-02	1.45E+01	1.50E+00	1.59E-04	3.42E-02	1.05E-02	1.54E+00
398	483777.7	3854171	1.29E+00	1.26E-04	3.37E-02	1.15E-02	1.34E+00	1.70E+00	1.21E+01	3.37E-01	5.89E-02	1.42E+01	1.65E+00	1.53E-04	3.37E-02	1.15E-02	1.70E+00
399	483827.7	3854171	1.36E+00	1.19E-04	3.31E-02	1.26E-02	1.40E+00	1.79E+00	1.15E+01	3.31E-01	6.42E-02	1.36E+01	1.74E+00	1.45E-04	3.31E-02	1.26E-02	1.79E+00
400	483877.7	3854171	1.37E+00	1.15E-04	3.24E-02	1.36E-02	1.41E+00	1.81E+00	1.10E+01	3.24E-01	6.95E-02	1.32E+01	1.75E+00	1.39E-04	3.24E-02	1.36E-02	1.80E+00
401	483727.7	3854221	1.05E+00	1.30E-04	3.51E-02	1.08E-02	1.10E+00	1.39E+00	1.24E+01	3.51E-01	5.50E-02	1.42E+01	1.35E+00	1.57E-04	3.51E-02	1.08E-02	1.40E+00
402	483777.7	3854221	1.21E+00	1.25E-04	3.46E-02	1.18E-02	1.26E+00	1.60E+00	1.20E+01	3.46E-01	6.04E-02	1.40E+01	1.55E+00	1.51E-04	3.46E-02	1.18E-02	1.60E+00
403	483827.7	3854221	1.33E+00	1.23E-04	3.41E-02	1.26E-02	1.38E+00	1.76E+00	1.18E+01	3.41E-01	6.43E-02	1.39E+01	1.71E+00	1.49E-04	3.41E-02	1.26E-02	1.76E+00
404	483877.7	3854221	1.39E+00	1.17E-04	3.35E-02	1.37E-02	1.44E+00	1.84E+00	1.12E+01	3.35E-01	6.99E-02	1.34E+01	1.79E+00	1.41E-04	3.35E-02	1.37E-02	1.84E+00
405	489150.19	3858726.45	5.00E-01	7.97E-04	9.11E-02	1.34E-02	6.05E-01	6.61E-01	7.64E+01	9.11E-01	6.87E-02	7.81E+01	6.41E-01	9.65E-04	9.11E-02	1.34E-02	7.47E-01
406	489200.19	3858726.45	4.93E-01	7.88E-04	8.91E-02	1.12E-02	5.94E-01	6.51E-01	7.56E+01	8.91E-01	5.72E-02	7.72E+01	6.32E-01	9.55E-04	8.91E-02	1.12E-02	7.33E-01
407	489150.19	3858776.45	4.87E-01	8.87E-04	8.28E-02	1.26E-02	5.84E-01	6.44E-01	8.51E+01	8.28E-01	6.42E-02	8.66E+01	6.25E-01	1.07E-03	8.28E-02	1.26E-02	7.21E-01
408	489200.19	3858776.45	4.88E-01	8.67E-04	8.59E-02	1.04E-02	5.85E-01	6.44E-01	8.32E+01	8.59E-01	5.30E-02	8.47E+01	6.25E-01	1.05E-03	8.59E-02	1.04E-02	7.23E-01
409	488919.6	3856400.76	8.01E-01	1.83E-04	7.84E-02	9.56E-03	8.89E-01	1.06E+00	1.76E+01	7.84E-01	4.88E-02	1.95E+01	1.03E+00	2.22E-04	7.84E-02	9.56E-03	1.12E+00
410	488919.6	3856450.76	7.86E-01	1.89E-04	8.10E-02	9.83E-03	8.77E-01	1.04E+00	1.82E+01	8.10E-01	5.02E-02	2.01E+01	1.01E+00	2.29E-04	8.10E-02	9.83E-03	1.10E+00
411	488969.6	3856450.76	7.68E-01	1.87E-04	8.21E-02	9.78E-03	8.60E-01	1.01E+00	1.80E+01	8.21E-01	5.00E-02	1.99E+01	9.84E-01	2.27E-04	8.21E-02	9.78E-03	1.08E+00
412	488919.6	3856500.76	7.73E-01	1.96E-04	8.31E-02	1.00E-02	8.66E-01	1.02E+00	1.88E+01	8.31E-01	5.13E-02	2.07E+01	9.91E-01	2.37E-04	8.31E-02	1.00E-02	1.08E+00
413	488969.6	3856500.76	7.57E-01	1.95E-04	8.32E-02	1.00E-02	8.50E-01	9.99E-01	1.87E+01	8.32E-01	5.11E-02	2.06E+01	9.70E-01	2.36E-04	8.32E-02	1.00E-02	1.06E+00
414	488919.6	3856550.76	7.63E-01	2.04E-04	8.47E-02	1.02E-02	8.58E-01	1.01E+00	1.95E+01	8.47E-01	5.21E-02	2.14E+01	9.78E-01	2.47E-04	8.47E-02	1.02E-02	1.07E+00
415	488969.6	3856550.76	7.48E-01	2.02E-04	8.38E-02	1.01E-02	8.42E-01	9.87E-01	1.94E+01	8.38E-01	5.18E-02	2.12E+01	9.58E-01	2.44E-04	8.38E-02	1.01E-02	1.05E+00
416	488819.6	3856600.76	7.84E-01	2.13E-04	8.38E-02	1.03E-02	8.79E-01	1.04E+00	2.04E+01	8.38E-01	5.29E-02	2.23E+01	1.01E+00	2.58E-04	8.38E-02	1.03E-02	1.10E+00
417	488869.6	3856600.76	7.68E-01	2.11E-04	8.58E-02	1.03E-02	8.64E-01	1.01E+00	2.02E+01	8.58E-01	5.26E-02	2.22E+01	9.85E-01	2.56E-04	8.58E-02	1.03E-02	1.08E+00
418	488919.6	3856600.76	7.52E-01	2.10E-04	8.57E-02	1.03E-02	8.49E-01	9.94E-01	2.02E+01	8.57E-01	5.24E-02	2.21E+01	9.65E-01	2.55E-04	8.57E-02	1.03E-02	1.06E+00
419	488819.6	3856650.76	7.71E-01	2.20E-04	8.65E-02	1.03E-02	8.68E-01	1.02E+00	2.11E+01	8.65E-01	5.27E-02	2.31E+01	9.89E-01	2.67E-04	8.65E-02	1.03E-02	1.09E+00
420	488869.6	3856650.76	7.55E-01	2.19E-04	8.74E-02	1.03E-02	8.53E-01	9.97E-01	2.10E+01	8.74E-01	5.25E-02	2.29E+01	9.68E-01	2.65E-04	8.74E-02	1.03E-02	1.07E+00
421	488819.6	3856700.76	7.53E-01	2.29E-04	8.86E-02	1.02E-02	8.52E-01	9.95E-01	2.19E+01	8.86E-01	5.22E-02	2.38E+01	9.65E-01	2.77E-04	8.86E-02	1.02E-02	1.06E+00
422	488869.6	3856700.76	7.36E-01	2.27E-04	8.82E-02	1.02E-02	8.35E-01	9.72E-01	2.17E+01	8.82E-01	5.20E-02	2.36E+01	9.44E-01	2.74E-04	8.82E-02	1.02E-02	1.04E+00
423	488819.6	3856750.76	7.58E-01	2.35E-04	9.00E-02	1.00E-02	8.58E-01	1.00E+00	2.26E+01	9.00E-01	5.12E-02	2.45E+01	9.71E-01	2.85E-04	9.00E-02	1.00E-02	1.07E+00

424	488869.6	3856750.76	7.40E-01	2.35E-04	8.82E-02	9.99E-03	8.38E-01	9.77E-01	2.25E+01	8.82E-01	5.10E-02	2.44E+01	9.49E-01	2.84E-04	8.82E-02	9.99E-03	1.05E+00
425	488819.6	3857050.76	7.29E-01	2.62E-04	7.73E-02	1.04E-02	8.17E-01	9.63E-01	2.52E+01	7.73E-01	5.29E-02	2.70E+01	9.34E-01	3.18E-04	7.73E-02	1.04E-02	1.02E+00
426	488869.6	3857050.76	7.15E-01	2.62E-04	7.87E-02	1.01E-02	8.04E-01	9.45E-01	2.52E+01	7.87E-01	5.15E-02	2.70E+01	9.17E-01	3.18E-04	7.87E-02	1.01E-02	1.01E+00
427	488919.6	3857050.76	7.03E-01	2.62E-04	9.40E-02	1.10E-02	8.08E-01	9.29E-01	2.51E+01	9.40E-01	5.61E-02	2.70E+01	9.01E-01	3.17E-04	9.40E-02	1.10E-02	1.01E+00
428	488819.6	3857100.76	7.00E-01	2.64E-04	8.02E-02	1.04E-02	7.91E-01	9.25E-01	2.54E+01	8.02E-01	5.33E-02	2.71E+01	8.97E-01	3.20E-04	8.02E-02	1.04E-02	9.88E-01
429	488869.6	3857100.76	6.88E-01	2.64E-04	9.82E-02	1.14E-02	7.98E-01	9.09E-01	2.53E+01	9.82E-01	5.82E-02	2.72E+01	8.83E-01	3.19E-04	9.82E-02	1.14E-02	9.92E-01
430	488919.6	3857100.76	6.77E-01	2.64E-04	1.09E-01	1.18E-02	7.97E-01	8.94E-01	2.53E+01	1.09E+00	6.04E-02	2.74E+01	8.67E-01	3.20E-04	1.09E-01	1.18E-02	9.88E-01
431	488819.6	3857150.76	6.62E-01	2.66E-04	1.02E-01	1.18E-02	7.76E-01	8.74E-01	2.55E+01	1.02E+00	6.02E-02	2.74E+01	8.48E-01	3.22E-04	1.02E-01	1.18E-02	9.63E-01
432	488869.6	3857150.76	6.51E-01	2.66E-04	1.15E-01	1.23E-02	7.79E-01	8.60E-01	2.55E+01	1.15E+00	6.26E-02	2.75E+01	8.35E-01	3.22E-04	1.15E-01	1.23E-02	9.62E-01
433	488919.6	3857150.76	6.41E-01	2.65E-04	1.18E-01	1.22E-02	7.71E-01	8.47E-01	2.54E+01	1.18E+00	6.24E-02	2.75E+01	8.22E-01	3.21E-04	1.18E-01	1.22E-02	9.52E-01
434	488969.6	3857150.76	6.32E-01	2.65E-04	1.10E-01	1.17E-02	7.54E-01	8.34E-01	2.54E+01	1.10E+00	5.98E-02	2.74E+01	8.10E-01	3.21E-04	1.10E-01	1.17E-02	9.32E-01
435	488819.6	3857200.76	6.42E-01	2.66E-04	1.22E-01	1.27E-02	7.77E-01	8.48E-01	2.55E+01	1.22E+00	6.49E-02	2.76E+01	8.23E-01	3.22E-04	1.22E-01	1.27E-02	9.58E-01
436	488869.6	3857200.76	6.31E-01	2.66E-04	1.26E-01	1.26E-02	7.69E-01	8.33E-01	2.55E+01	1.26E+00	6.45E-02	2.77E+01	8.09E-01	3.22E-04	1.26E-01	1.26E-02	9.47E-01
437	488919.6	3857200.76	6.20E-01	2.66E-04	1.18E-01	1.21E-02	7.50E-01	8.19E-01	2.55E+01	1.18E+00	6.16E-02	2.75E+01	7.95E-01	3.22E-04	1.18E-01	1.21E-02	9.25E-01
438	488969.6	3857200.76	6.10E-01	2.74E-04	1.02E-01	1.11E-02	7.24E-01	8.06E-01	2.62E+01	1.02E+00	5.67E-02	2.81E+01	7.83E-01	3.31E-04	1.02E-01	1.11E-02	8.96E-01
439	488819.6	3857250.76	6.31E-01	2.68E-04	1.35E-01	1.31E-02	7.79E-01	8.34E-01	2.57E+01	1.35E+00	6.70E-02	2.79E+01	8.10E-01	3.25E-04	1.35E-01	1.31E-02	9.58E-01
440	488869.6	3857250.76	6.19E-01	2.67E-04	1.26E-01	1.25E-02	7.58E-01	8.18E-01	2.56E+01	1.26E+00	6.38E-02	2.77E+01	7.94E-01	3.23E-04	1.26E-01	1.25E-02	9.33E-01
441	488919.6	3857250.76	6.07E-01	2.72E-04	1.08E-01	1.14E-02	7.27E-01	8.02E-01	2.61E+01	1.08E+00	5.83E-02	2.80E+01	7.78E-01	3.29E-04	1.08E-01	1.14E-02	8.98E-01
442	488969.6	3857250.76	5.95E-01	2.81E-04	1.03E-01	1.07E-02	7.09E-01	7.86E-01	2.69E+01	1.03E+00	5.47E-02	2.88E+01	7.63E-01	3.40E-04	1.03E-01	1.07E-02	8.77E-01
443	488819.6	3857300.76	6.17E-01	2.74E-04	1.35E-01	1.29E-02	7.66E-01	8.16E-01	2.63E+01	1.35E+00	6.58E-02	2.85E+01	7.92E-01	3.32E-04	1.35E-01	1.29E-02	9.40E-01
444	488869.6	3857300.76	6.08E-01	2.72E-04	1.15E-01	1.17E-02	7.35E-01	8.03E-01	2.61E+01	1.15E+00	5.99E-02	2.81E+01	7.79E-01	3.30E-04	1.15E-01	1.17E-02	9.06E-01
445	488919.6	3857300.76	5.97E-01	2.78E-04	1.12E-01	1.04E-02	7.20E-01	7.89E-01	2.67E+01	1.12E+00	5.32E-02	2.86E+01	7.66E-01	3.37E-04	1.12E-01	1.04E-02	8.88E-01
446	488819.6	3857450.76	6.09E-01	2.89E-04	1.42E-01	1.09E-02	7.63E-01	8.05E-01	2.77E+01	1.42E+00	5.58E-02	3.00E+01	7.81E-01	3.50E-04	1.42E-01	1.09E-02	9.35E-01
447	488869.6	3857450.76	5.86E-01	2.86E-04	1.31E-01	1.04E-02	7.28E-01	7.75E-01	2.75E+01	1.31E+00	5.32E-02	2.96E+01	7.52E-01	3.47E-04	1.31E-01	1.04E-02	8.93E-01
448	488919.6	3857450.76	5.63E-01	2.85E-04	1.12E-01	1.09E-02	6.86E-01	7.43E-01	2.74E+01	1.12E+00	5.59E-02	2.93E+01	7.22E-01	3.46E-04	1.12E-01	1.09E-02	8.45E-01
449	488819.6	3857500.76	6.39E-01	2.92E-04	1.33E-01	1.06E-02	7.82E-01	8.44E-01	2.80E+01	1.33E+00	5.41E-02	3.03E+01	8.19E-01	3.54E-04	1.33E-01	1.06E-02	9.62E-01
450	488869.6	3857500.76	6.15E-01	2.91E-04	1.09E-01	1.06E-02	7.35E-01	8.13E-01	2.79E+01	1.09E+00	5.43E-02	2.99E+01	7.89E-01	3.52E-04	1.09E-01	1.06E-02	9.09E-01
451	488919.6	3857500.76	5.92E-01	2.89E-04	1.19E-01	1.11E-02	7.22E-01	7.82E-01	2.78E+01	1.19E+00	5.68E-02	2.98E+01	7.59E-01	3.51E-04	1.19E-01	1.11E-02	8.89E-01
452	488819.6	3857550.76	6.66E-01	2.96E-04	1.22E-01	1.02E-02	7.98E-01	8.79E-01	2.84E+01	1.22E+00	5.22E-02	3.06E+01	8.53E-01	3.59E-04	1.22E-01	1.02E-02	9.86E-01
453	488869.6	3857550.76	6.43E-01	2.94E-04	1.39E-01	1.08E-02	7.93E-01	8.50E-01	2.82E+01	1.39E+00	5.53E-02	3.05E+01	8.25E-01	3.56E-04	1.39E-01	1.08E-02	9.75E-01
454	488919.6	3857550.76	6.21E-01	2.93E-04	1.46E-01	1.13E-02	7.78E-01	8.20E-01	2.81E+01	1.46E+00	5.77E-02	3.04E+01	7.96E-01	3.55E-04	1.46E-01	1.13E-02	9.53E-01
455	489663.71	3860900.05	2.37E-01	8.78E-04	4.50E-02	2.05E-02	3.04E-01	3.14E-01	8.42E+01	4.50E-01	1.05E-01	8.51E+01	3.04E-01	1.06E-03	4.50E-02	2.05E-02	3.71E-01
456	489813.71	3860900.05	2.63E-01	7.68E-04	4.52E-02	1.63E-02	3.26E-01	3.48E-01	7.36E+01	4.52E-01	8.33E-02	7.45E+01	3.38E-01	9.30E-04	4.52E-02	1.63E-02	4.00E-01
457	489863.71	3860900.05	2.66E-01	7.35E-04	4.44E-02	1.62E-02	3.27E-01	3.51E-01	7.05E+01	4.44E-01	8.30E-02	7.14E+01	3.41E-01	8.91E-04	4.44E-02	1.62E-02	4.02E-01
458	489913.71	3860900.05	2.66E-01	7.09E-04	4.89E-02	1.62E-02	3.31E-01	3.51E-01	6.80E+01	4.89E-01	8.26E-02	6.89E+01	3.41E-01	8.59E-04	4.89E-02	1.62E-02	4.07E-01
459	489963.71	3860900.05	2.61E-01	6.81E-04	5.26E-02	1.60E-02	3.31E-01	3.45E-01	6.53E+01	5.26E-01	8.18E-02	6.63E+01	3.35E-01	8.25E-04	5.26E-02	1.60E-02	4.04E-01
460	490013.71	3860900.05	2.55E-01	6.57E-04	5.56E-02	1.59E-02	3.27E-01	3.36E-01	6.31E+01	5.56E-01	8.10E-02	6.40E+01	3.27E-01	7.97E-04	5.56E-02	1.59E-02	3.99E-01
461	490063.71	3860900.05	2.45E-01	6.33E-04	5.73E-02	1.56E-02	3.18E-01	3.23E-01	6.07E+01	5.73E-01	7.99E-02	6.17E+01	3.14E-01	7.67E-04	5.73E-02	1.56E-02	3.87E-01
462	489663.71	3860950.05	2.24E-01	8.80E-04	4.44E-02	2.09E-02	2.90E-01	2.96E-01	8.44E+01	4.44E-01	1.07E-01	8.52E+01	2.87E-01	1.07E-03	4.44E-02	2.09E-02	3.54E-01
463	489813.71	3860950.05	2.56E-01	7.73E-04	4.52E-02	1.61E-02	3.18E-01	3.38E-01	7.42E+01	4.52E-01	8.21E-02	7.50E+01	3.28E-01	9.37E-04	4.52E-02	1.61E-02	3.90E-01
464	489863.71	3860950.05	2.60E-01	7.41E-04	4.46E-02	1.61E-02	3.22E-01	3.44E-01	7.10E+01	4.46E-01	8.20E-02	7.19E+01	3.34E-01	8.97E-04	4.46E-02	1.61E-02	3.95E-01
465	489913.71	3860950.05	2.63E-01	7.14E-04	4.58E-02	1.60E-02	3.25E-01	3.47E-01	6.84E+01	4.58E-01	8.19E-02	6.93E+01	3.37E-01	8.64E-04	4.58E-02	1.60E-02	3.99E-01
466	489963.71	3860950.05	2.61E-01	6.87E-04	5.00E-02	1.59E-02	3.28E-01	3.45E-01	6.59E+01	5.00E-01	8.14E-02	6.68E+01	3.35E-01	8.32E-04	5.00E-02	1.59E-02	4.02E-01
467	490013.71	3860950.05	2.57E-01	6.63E-04	5.35E-02	1.58E-02	3.27E-01	3.40E-01	6.36E+01	5.35E-01	8.08E-02	6.45E+01	3.30E-01	8.03E-04	5.35E-02	1.58E-02	4.00E-01
468	490063.71	3860950.05	2.50E-01	6.40E-04	5.59E-02	1.57E-02	3.22E-01	3.30E-01	6.14E+01	5.59E-01	8.00E-02	6.23E+01	3.20E-01	7.75E-04	5.59E-02	1.57E-02	3.93E-01
469	489513.71	3861000.05	1.84E-01	9.60E-04	3.87E-02	1.63E-02	2.40E-01	2.43E-01	9.21E+01	3.87E-01	8.34E-02	9.28E+01	2.36E-01	1.16E-03	3.87E-02	1.63E-02	2.92E-01
470	489563.71	3861000.05	1.83E-01	9.37E-04	4.07E-02	1.69E-02	2.41E-01	2.41E-01	8.98E+01	4.07E-01	8.62E-02	9.06E+01	2.34E-01	1.13E-03	4.07E-02	1.69E-02	2.93E-01
471	489613.71	3861000.05	1.95E-01	9.09E-04	4.24E-02	1.87E-02	2.57E-01	2.57E-01	8.72E+01	4.24E-01	9.55E-02	8.80E+01	2.50E-01	1.10E-03	4.24E-02	1.87E-02	3.12E-01
472	489663.71	3861000.05	2.10E-01	8.77E-04	4.36E-02	1.99E-02	2.74E-01	2.77E-01	8.41E+01	4.36E-01	1.02E-01	8.49E+01	2.69E-01	1.06E-03	4.36E-02	1.99E-02	3.34E-01
473	489713.71	3861000.05	2.24E-01	8.41E-04	4.45E-02	2.02E-02	2.89E-01	2.95E-01	8.07E+01	4.45E-01	1.03E-01	8.15E+01	2.87E-01	1.02E-03	4.45E-02	2.02E-02	3.52E-01
474	489763.71	3861000.05	2.36E-01	8.07E-04	4.50E-02	1.95E-02	3.01E-01	3.11E-01	7.74E+01	4.50E-01	9.95E-02	7.83E+01	3.02E-01	9.78E-04	4.50E-02	1.95E-02	3.68E-01
475	489813.71	3861000.05	2.46E-01	7.77E-04	4.51E-02	1.81E-02	3.10E-01	3.25E-01	7.45E+01	4.51E-01	9.22E-02	7.54E+01	3.16E-01	9.41E-04	4.51E-02	1.81E-02	3.80E-01
476	489863.71	3861000.05	2.53E-01	7.45E-04	4.47E-02	1.60E-02	3.15E-01	3.34E-01	7.14E+01	4.47E-01	8.17E-02	7.23E+01	3.25E-01	9.02E-04	4.47E-02	1.60E-02	3.86E-01
477	489913.71	3861000.05	2.58E-01	7.18E-04	4.41E-02	1.58E-02	3.19E-01	3.41E-01	6.88E+01	4.41E-01	8.10E-02	6.97E+01	3.31E-01	8.69E-04	4.41E-02	1.58E-02	3.92E-01
478	489963.71	3861000.05	2.59E-01	6.90E-04	4.71E-02	1.58E-02	3.23E-01	3.42E-01	6.62E+01	4.71E-01	8.07E-02	6.71E+01	3.32E-01	8.36E-04	4.71E-02	1.58E-02	3.96E-01
479	490013.71	3861000.05	2.58E-01	6.66E-04	5.10E-02	1.57E-02	3.25E-01	3.40E-01	6.39E+01	5.10E-01	8.04E-02	6.48E+01	3.30E-01	8.07E-04	5.10E-02	1.57E-02	3.98E-01
480	490063.71	3861000.05	2.53E-01	6.44E-04	5.41E-02	1.56E-02	3.23E-01	3.34E-01	6.17E+01	5.41E-01	7.98E-02	6.27E+01	3.24E-01	7.80E-04	5.41E-02	1.56E-02	3.95E-01
481	489513.71	3861050.05	1.81E-01	9.31E-04	3.75E-02	1.87E-02	2.39E-01	2.40E-01	8.93E+01	3.75E-01	9.56E-02	9.00E+01	2.32E-01	1.13E-03	3.75E-02	1.87E-02	2.90E-01
482	489563.71	3861050.05	1.82E-01	9.15E-04	3.96E-02	1.55E-02	2.38E-01	2.40E-01	8.77E+01	3.96E-01	7.90E-02	8.84E+01	2.33E-01	1.11E-03	3.96E-02	1.55E-02	2.89E-01
483	489613.71	3861050.05	1.80E-01	8.96E-04	4.14E-02	1.66E-02	2.39E-01	2.38E-01	8.60E+01	4.14E-01	8.47E-02	8.67E+01	2.31E-01	1.09E-03	4.14E-02	1.66E-02	2.90E-01
484	489663.71	3861050.05	1.96E-01	8.68E-04	4.28E-02	1.81E-02	2.57E-01	2.58E-01	8.32E+01	4.28E-01	9.23E-02	8.40E+01	2.51E-01	1.05E-03	4.28E-02	1.81E-02	3.13E-01

485	489713.71	3861050.05	2.10E-01	8.37E-04	4.38E-02	1.91E-02	2.74E-01	2.77E-01	8.03E+01	4.38E-01	9.78E-02	8.11E+01	2.69E-01	1.01E-03	4.38E-02	1.91E-02	3.33E-01
486	489763.71	3861050.05	2.23E-01	8.07E-04	4.45E-02	1.95E-02	2.88E-01	2.95E-01	7.74E+01	4.45E-01	9.97E-02	7.82E+01	2.86E-01	9.77E-04	4.45E-02	1.95E-02	3.51E-01
487	489813.71	3861050.05	2.35E-01	7.77E-04	4.48E-02	1.90E-02	3.00E-01	3.10E-01	7.45E+01	4.48E-01	9.71E-02	7.54E+01	3.01E-01	9.41E-04	4.48E-02	1.90E-02	3.66E-01
488	489863.71	3861050.05	2.44E-01	7.47E-04	4.47E-02	1.77E-02	3.07E-01	3.23E-01	7.16E+01	4.47E-01	9.02E-02	7.25E+01	3.13E-01	9.05E-04	4.47E-02	1.77E-02	3.76E-01
489	489913.71	3861050.05	2.51E-01	7.19E-04	4.42E-02	1.59E-02	3.12E-01	3.32E-01	6.89E+01	4.42E-01	8.12E-02	6.98E+01	3.22E-01	8.71E-04	4.42E-02	1.59E-02	3.83E-01
490	489963.71	3861050.05	2.55E-01	6.93E-04	4.40E-02	1.56E-02	3.15E-01	3.37E-01	6.64E+01	4.40E-01	7.97E-02	6.73E+01	3.27E-01	8.39E-04	4.40E-02	1.56E-02	3.87E-01
491	490013.71	3861050.05	2.56E-01	6.70E-04	4.84E-02	1.56E-02	3.21E-01	3.38E-01	6.42E+01	4.84E-01	7.97E-02	6.51E+01	3.28E-01	8.11E-04	4.84E-02	1.56E-02	3.93E-01
492	490063.71	3861050.05	2.54E-01	6.47E-04	5.20E-02	1.55E-02	3.22E-01	3.35E-01	6.20E+01	5.20E-01	7.94E-02	6.29E+01	3.26E-01	7.83E-04	5.20E-02	1.55E-02	3.94E-01
493	489513.71	3861100.05	1.78E-01	9.01E-04	3.64E-02	2.09E-02	2.36E-01	2.35E-01	8.65E+01	3.64E-01	1.07E-01	8.72E+01	2.28E-01	1.09E-03	3.64E-02	2.09E-02	2.87E-01
494	489563.71	3861100.05	1.80E-01	8.88E-04	3.84E-02	1.76E-02	2.37E-01	2.37E-01	8.52E+01	3.84E-01	9.02E-02	8.59E+01	2.30E-01	1.08E-03	3.84E-02	1.76E-02	2.87E-01
495	489613.71	3861100.05	1.79E-01	8.69E-04	4.02E-02	1.45E-02	2.35E-01	2.36E-01	8.33E+01	4.02E-01	7.43E-02	8.40E+01	2.29E-01	1.05E-03	4.02E-02	1.45E-02	2.85E-01
496	489663.71	3861100.05	1.81E-01	8.50E-04	4.17E-02	1.59E-02	2.39E-01	2.39E-01	8.15E+01	4.17E-01	8.14E-02	8.22E+01	2.31E-01	1.03E-03	4.17E-02	1.59E-02	2.90E-01
497	489713.71	3861100.05	1.96E-01	8.27E-04	4.30E-02	1.73E-02	2.57E-01	2.59E-01	7.93E+01	4.30E-01	8.86E-02	8.00E+01	2.51E-01	1.00E-03	4.30E-02	1.73E-02	3.12E-01
498	489763.71	3861100.05	2.10E-01	8.00E-04	4.39E-02	1.84E-02	2.73E-01	2.77E-01	7.68E+01	4.39E-01	9.39E-02	7.76E+01	2.69E-01	9.70E-04	4.39E-02	1.84E-02	3.32E-01
499	489813.71	3861100.05	2.23E-01	7.74E-04	4.44E-02	1.88E-02	2.87E-01	2.94E-01	7.42E+01	4.44E-01	9.61E-02	7.51E+01	2.86E-01	9.38E-04	4.44E-02	1.88E-02	3.50E-01
500	489863.71	3861100.05	2.34E-01	7.48E-04	4.46E-02	1.85E-02	2.98E-01	3.09E-01	7.18E+01	4.46E-01	9.45E-02	7.26E+01	3.00E-01	9.06E-04	4.46E-02	1.85E-02	3.64E-01
501	489913.71	3861100.05	2.42E-01	7.20E-04	4.42E-02	1.73E-02	3.05E-01	3.20E-01	6.90E+01	4.42E-01	8.84E-02	6.99E+01	3.11E-01	8.72E-04	4.42E-02	1.73E-02	3.73E-01
502	489963.71	3861100.05	2.49E-01	6.94E-04	4.36E-02	1.57E-02	3.09E-01	3.28E-01	6.66E+01	4.36E-01	8.04E-02	6.74E+01	3.19E-01	8.41E-04	4.36E-02	1.57E-02	3.79E-01
503	490013.71	3861100.05	2.52E-01	6.69E-04	4.54E-02	1.54E-02	3.13E-01	3.33E-01	6.41E+01	4.54E-01	7.86E-02	6.50E+01	3.23E-01	8.10E-04	4.54E-02	1.54E-02	3.84E-01
504	490063.71	3861100.05	2.52E-01	6.46E-04	4.93E-02	1.54E-02	3.18E-01	3.33E-01	6.20E+01	4.93E-01	7.85E-02	6.29E+01	3.23E-01	7.83E-04	4.93E-02	1.54E-02	3.89E-01
505	489713.71	3861150.05	1.81E-01	8.12E-04	4.21E-02	1.55E-02	2.40E-01	2.40E-01	7.79E+01	4.21E-01	7.92E-02	7.86E+01	2.33E-01	9.84E-04	4.21E-02	1.55E-02	2.91E-01
506	489763.71	3861150.05	1.96E-01	7.92E-04	4.32E-02	1.68E-02	2.57E-01	2.59E-01	7.59E+01	4.32E-01	8.57E-02	7.67E+01	2.51E-01	9.59E-04	4.32E-02	1.68E-02	3.12E-01
507	489813.71	3861150.05	2.10E-01	7.69E-04	4.39E-02	1.78E-02	2.72E-01	2.77E-01	7.37E+01	4.39E-01	9.08E-02	7.45E+01	2.69E-01	9.31E-04	4.39E-02	1.78E-02	3.32E-01
508	489863.71	3861150.05	2.22E-01	7.44E-04	4.42E-02	1.82E-02	2.85E-01	2.94E-01	7.14E+01	4.42E-01	9.28E-02	7.22E+01	2.85E-01	9.01E-04	4.42E-02	1.82E-02	3.48E-01
509	489913.71	3861150.05	2.32E-01	7.18E-04	4.41E-02	1.78E-02	2.95E-01	3.07E-01	6.89E+01	4.41E-01	9.11E-02	6.97E+01	2.98E-01	8.70E-04	4.41E-02	1.78E-02	3.61E-01
510	489963.71	3861150.05	2.40E-01	6.93E-04	4.36E-02	1.69E-02	3.02E-01	3.18E-01	6.65E+01	4.36E-01	8.61E-02	6.73E+01	3.08E-01	8.39E-04	4.36E-02	1.69E-02	3.70E-01
511	490013.71	3861150.05	2.46E-01	6.69E-04	4.29E-02	1.55E-02	3.05E-01	3.25E-01	6.41E+01	4.29E-01	7.90E-02	6.49E+01	3.15E-01	8.10E-04	4.29E-02	1.55E-02	3.74E-01
512	490063.71	3861150.05	2.49E-01	6.47E-04	4.66E-02	1.52E-02	3.11E-01	3.29E-01	6.20E+01	4.66E-01	7.75E-02	6.29E+01	3.19E-01	7.84E-04	4.66E-02	1.52E-02	3.82E-01
513	489613.71	3861200.05	1.74E-01	8.15E-04	3.78E-02	1.80E-02	2.30E-01	2.30E-01	7.82E+01	3.78E-01	9.19E-02	7.89E+01	2.23E-01	9.87E-04	3.78E-02	1.80E-02	2.80E-01
514	489663.71	3861200.05	1.75E-01	8.07E-04	3.96E-02	1.54E-02	2.31E-01	2.31E-01	7.74E+01	3.96E-01	7.86E-02	7.81E+01	2.24E-01	9.78E-04	3.96E-02	1.54E-02	2.80E-01
515	489713.71	3861200.05	1.74E-01	7.95E-04	4.11E-02	1.40E-02	2.30E-01	2.30E-01	7.62E+01	4.11E-01	7.14E-02	7.70E+01	2.23E-01	9.63E-04	4.11E-02	1.40E-02	2.79E-01
516	489763.71	3861200.05	1.82E-01	7.79E-04	4.23E-02	1.51E-02	2.40E-01	2.41E-01	7.47E+01	4.23E-01	7.72E-02	7.54E+01	2.34E-01	9.44E-04	4.23E-02	1.51E-02	2.92E-01
517	489813.71	3861200.05	1.97E-01	7.60E-04	4.32E-02	1.63E-02	2.57E-01	2.60E-01	7.29E+01	4.32E-01	8.31E-02	7.37E+01	2.52E-01	9.21E-04	4.32E-02	1.63E-02	3.12E-01
518	489863.71	3861200.05	2.10E-01	7.40E-04	4.38E-02	1.72E-02	2.72E-01	2.77E-01	7.09E+01	4.38E-01	8.78E-02	7.18E+01	2.69E-01	8.96E-04	4.38E-02	1.72E-02	3.31E-01
519	489913.71	3861200.05	2.22E-01	7.16E-04	4.39E-02	1.75E-02	2.84E-01	2.93E-01	6.87E+01	4.39E-01	8.96E-02	6.95E+01	2.84E-01	8.68E-04	4.39E-02	1.75E-02	3.46E-01
520	489963.71	3861200.05	2.31E-01	6.92E-04	4.36E-02	1.73E-02	2.93E-01	3.05E-01	6.64E+01	4.36E-01	8.82E-02	6.72E+01	2.96E-01	8.39E-04	4.36E-02	1.73E-02	3.58E-01
521	490013.71	3861200.05	2.39E-01	6.69E-04	4.31E-02	1.65E-02	2.99E-01	3.15E-01	6.42E+01	4.31E-01	8.42E-02	6.50E+01	3.06E-01	8.11E-04	4.31E-02	1.65E-02	3.66E-01
522	490063.71	3861200.05	2.43E-01	6.47E-04	4.37E-02	1.52E-02	3.03E-01	3.22E-01	6.20E+01	4.37E-01	7.79E-02	6.29E+01	3.12E-01	7.84E-04	4.37E-02	1.52E-02	3.72E-01
523	489513.71	3861250.05	1.74E-01	7.83E-04	3.39E-02	2.24E-02	2.31E-01	2.30E-01	7.50E+01	3.39E-01	1.14E-01	7.57E+01	2.23E-01	9.48E-04	3.39E-02	2.24E-02	2.80E-01
524	489563.71	3861250.05	1.66E-01	7.87E-04	3.45E-02	2.12E-02	2.22E-01	2.19E-01	7.55E+01	3.45E-01	1.08E-01	7.62E+01	2.12E-01	9.54E-04	3.45E-02	2.12E-02	2.69E-01
525	489613.71	3861250.05	1.70E-01	7.88E-04	3.66E-02	1.93E-02	2.27E-01	2.25E-01	7.56E+01	3.66E-01	9.88E-02	7.62E+01	2.18E-01	9.54E-04	3.66E-02	1.93E-02	2.75E-01
526	489663.71	3861250.05	1.72E-01	7.83E-04	3.85E-02	1.70E-02	2.29E-01	2.28E-01	7.51E+01	3.85E-01	8.67E-02	7.58E+01	2.21E-01	9.49E-04	3.85E-02	1.70E-02	2.78E-01
527	489713.71	3861250.05	1.73E-01	7.76E-04	4.01E-02	1.45E-02	2.28E-01	2.29E-01	7.44E+01	4.01E-01	7.41E-02	7.51E+01	2.22E-01	9.40E-04	4.01E-02	1.45E-02	2.77E-01
528	489763.71	3861250.05	1.71E-01	7.64E-04	4.15E-02	1.37E-02	2.27E-01	2.26E-01	7.33E+01	4.15E-01	7.01E-02	7.40E+01	2.20E-01	9.25E-04	4.15E-02	1.37E-02	2.76E-01
529	489813.71	3861250.05	1.83E-01	7.49E-04	4.25E-02	1.48E-02	2.41E-01	2.42E-01	7.18E+01	4.25E-01	7.54E-02	7.26E+01	2.34E-01	9.07E-04	4.25E-02	1.48E-02	2.93E-01
530	489863.71	3861250.05	1.97E-01	7.31E-04	4.32E-02	1.58E-02	2.57E-01	2.60E-01	7.01E+01	4.32E-01	8.06E-02	7.09E+01	2.52E-01	8.86E-04	4.32E-02	1.58E-02	3.12E-01
531	489913.71	3861250.05	2.10E-01	7.12E-04	4.36E-02	1.66E-02	2.71E-01	2.77E-01	6.83E+01	4.36E-01	8.48E-02	6.91E+01	2.69E-01	8.62E-04	4.36E-02	1.66E-02	3.30E-01
532	489963.71	3861250.05	2.21E-01	6.91E-04	4.35E-02	1.70E-02	2.82E-01	2.92E-01	6.63E+01	4.35E-01	8.67E-02	6.71E+01	2.83E-01	8.37E-04	4.35E-02	1.70E-02	3.44E-01
533	490013.71	3861250.05	2.30E-01	6.69E-04	4.32E-02	1.68E-02	2.91E-01	3.04E-01	6.42E+01	4.32E-01	8.58E-02	6.50E+01	2.95E-01	8.11E-04	4.32E-02	1.68E-02	3.56E-01
534	490063.71	3861250.05	2.37E-01	6.47E-04	4.24E-02	1.61E-02	2.96E-01	3.12E-01	6.20E+01	4.24E-01	8.20E-02	6.28E+01	3.03E-01	7.83E-04	4.24E-02	1.61E-02	3.63E-01
535	489528.13	3861308.47	1.75E-01	7.44E-04	3.34E-02	2.18E-02	2.31E-01	2.32E-01	7.13E+01	3.34E-01	1.11E-01	7.20E+01	2.25E-01	9.01E-04	3.34E-02	2.18E-02	2.81E-01
536	489578.13	3861308.47	1.66E-01	7.50E-04	3.36E-02	2.11E-02	2.22E-01	2.20E-01	7.19E+01	3.36E-01	1.08E-01	7.26E+01	2.13E-01	9.09E-04	3.36E-02	2.11E-02	2.69E-01
537	489628.13	3861308.47	1.66E-01	7.53E-04	3.57E-02	1.97E-02	2.22E-01	2.19E-01	7.22E+01	3.57E-01	1.01E-01	7.29E+01	2.12E-01	9.12E-04	3.57E-02	1.97E-02	2.69E-01
538	489678.13	3861308.47	1.69E-01	7.53E-04	3.76E-02	1.78E-02	2.25E-01	2.23E-01	7.22E+01	3.76E-01	9.08E-02	7.29E+01	2.17E-01	9.12E-04	3.76E-02	1.78E-02	2.73E-01
539	489728.13	3861308.47	1.71E-01	7.49E-04	3.93E-02	1.55E-02	2.26E-01	2.26E-01	7.18E+01	3.93E-01	7.94E-02	7.25E+01	2.19E-01	9.07E-04	3.93E-02	1.55E-02	2.75E-01
540	489778.13	3861308.47	1.70E-01	7.40E-04	4.07E-02	1.32E-02	2.25E-01	2.25E-01	7.10E+01	4.07E-01	6.74E-02	7.17E+01	2.18E-01	8.96E-04	4.07E-02	1.32E-02	2.73E-01
541	489678.13	3861358.47	1.65E-01	7.26E-04	3.64E-02	1.86E-02	2.21E-01	2.18E-01	6.97E+01	3.64E-01	9.52E-02	7.03E+01	2.11E-01	8.80E-04	3.64E-02	1.86E-02	2.67E-01
542	489728.13	3861358.47	1.68E-01	7.25E-04	3.82E-02	1.67E-02	2.24E-01	2.22E-01	6.96E+01	3.82E-01	8.54E-02	7.03E+01	2.15E-01	8.79E-04	3.82E-02	1.67E-02	2.71E-01
543	489528.13	3861408.47	1.88E-01	6.75E-04	3.22E-02	2.00E-02	2.41E-01	2.48E-01	6.48E+01	3.22E-01	1.02E-01	6.54E+01	2.41E-01	8.18E-04	3.22E-02	2.00E-02	2.94E-01
544	489578.13	3861408.47	1.75E-01	6.86E-04	3.26E-02	2.03E-02	2.29E-01	2.32E-01	6.58E+01	3.26E-01	1.04E-01	6.64E+01	2.25E-01	8.31E-04	3.26E-02	2.03E-02	2.79E-01
545	489628.13	3861408.47	1.65E-01	6.95E-04	3.33E-02	2.01E-02	2.19E-01	2.17E-01	6.67E+01	3.33E-01	1.03E-01	6.73E+01	2.11E-01	8.42E-04	3.33E-02	2.01E-02	2.65E-01

546	489678.13	3861408.47	1.60E-01	7.00E-04	3.53E-02	1.91E-02	2.15E-01	2.11E-01	6.71E+01	3.53E-01	9.75E-02	6.78E+01	2.05E-01	8.48E-04	3.53E-02	1.91E-02	2.60E-01
547	489728.13	3861408.47	1.64E-01	7.01E-04	3.71E-02	1.76E-02	2.19E-01	2.17E-01	6.72E+01	3.71E-01	8.97E-02	6.79E+01	2.10E-01	8.49E-04	3.71E-02	1.76E-02	2.66E-01
548	489528.13	3861458.47	1.93E-01	6.43E-04	3.15E-02	1.89E-02	2.44E-01	2.56E-01	6.16E+01	3.15E-01	9.63E-02	6.23E+01	2.48E-01	7.79E-04	3.15E-02	1.89E-02	2.99E-01
549	489578.13	3861458.47	1.82E-01	6.55E-04	3.22E-02	1.95E-02	2.34E-01	2.40E-01	6.28E+01	3.22E-01	9.96E-02	6.35E+01	2.33E-01	7.93E-04	3.22E-02	1.95E-02	2.86E-01
550	489628.13	3861458.47	1.69E-01	6.64E-04	3.23E-02	1.96E-02	2.22E-01	2.23E-01	6.37E+01	3.23E-01	1.00E-01	6.44E+01	2.17E-01	8.05E-04	3.23E-02	1.96E-02	2.70E-01
551	489678.13	3861458.47	1.59E-01	6.71E-04	3.40E-02	1.91E-02	2.13E-01	2.10E-01	6.44E+01	3.40E-01	9.74E-02	6.50E+01	2.04E-01	8.13E-04	3.40E-02	1.91E-02	2.58E-01
552	489728.13	3861458.47	1.59E-01	6.74E-04	3.59E-02	1.79E-02	2.14E-01	2.10E-01	6.47E+01	3.59E-01	9.17E-02	6.53E+01	2.04E-01	8.17E-04	3.59E-02	1.79E-02	2.59E-01
553	489528.13	3861508.47	1.98E-01	6.10E-04	3.07E-02	1.75E-02	2.47E-01	2.62E-01	5.85E+01	3.07E-01	8.94E-02	5.92E+01	2.54E-01	7.40E-04	3.07E-02	1.75E-02	3.03E-01
554	489578.13	3861508.47	1.87E-01	6.23E-04	3.16E-02	1.84E-02	2.38E-01	2.48E-01	5.97E+01	3.16E-01	9.38E-02	6.04E+01	2.40E-01	7.55E-04	3.16E-02	1.84E-02	2.91E-01
555	489628.13	3861508.47	1.75E-01	6.34E-04	3.19E-02	1.88E-02	2.27E-01	2.32E-01	6.08E+01	3.19E-01	9.60E-02	6.14E+01	2.25E-01	7.68E-04	3.19E-02	1.88E-02	2.76E-01
556	489678.13	3861508.47	1.63E-01	6.42E-04	3.28E-02	1.87E-02	2.15E-01	2.15E-01	6.16E+01	3.28E-01	9.53E-02	6.22E+01	2.08E-01	7.78E-04	3.28E-02	1.87E-02	2.61E-01
557	489728.13	3861508.47	1.54E-01	6.48E-04	3.47E-02	1.80E-02	2.07E-01	2.03E-01	6.21E+01	3.47E-01	9.20E-02	6.28E+01	1.97E-01	7.85E-04	3.47E-02	1.80E-02	2.51E-01
558	489628.13	3861558.47	1.82E-01	6.05E-04	3.15E-02	1.79E-02	2.31E-01	2.40E-01	5.80E+01	3.15E-01	9.12E-02	5.87E+01	2.33E-01	7.33E-04	3.15E-02	1.79E-02	2.83E-01
559	489678.13	3861558.47	1.70E-01	6.16E-04	3.17E-02	1.82E-02	2.20E-01	2.24E-01	5.91E+01	3.17E-01	9.28E-02	5.97E+01	2.17E-01	7.46E-04	3.17E-02	1.82E-02	2.68E-01
560	489728.13	3861558.47	1.57E-01	6.24E-04	3.36E-02	1.79E-02	2.09E-01	2.08E-01	5.98E+01	3.36E-01	9.15E-02	6.04E+01	2.02E-01	7.55E-04	3.36E-02	1.79E-02	2.54E-01
561	489357.08	3861015.81	1.89E-01	9.75E-04	3.58E-02	2.64E-02	2.52E-01	2.50E-01	9.35E+01	3.58E-01	1.35E-01	9.42E+01	2.43E-01	1.18E-03	3.58E-02	2.64E-02	3.06E-01
562	489407.08	3861015.81	1.79E-01	9.71E-04	3.62E-02	2.39E-02	2.40E-01	2.37E-01	9.31E+01	3.62E-01	1.22E-01	9.38E+01	2.30E-01	1.18E-03	3.62E-02	2.39E-02	2.91E-01
563	489457.08	3861015.81	1.81E-01	9.64E-04	3.59E-02	2.08E-02	2.38E-01	2.39E-01	9.24E+01	3.59E-01	1.06E-01	9.31E+01	2.32E-01	1.17E-03	3.59E-02	2.08E-02	2.90E-01
564	489357.08	3861065.81	1.92E-01	9.28E-04	3.50E-02	2.65E-02	2.55E-01	2.54E-01	8.90E+01	3.50E-01	1.36E-01	8.97E+01	2.47E-01	1.12E-03	3.50E-02	2.65E-02	3.09E-01
565	489407.08	3861065.81	1.83E-01	9.27E-04	3.57E-02	2.50E-02	2.44E-01	2.41E-01	8.89E+01	3.57E-01	1.28E-01	8.97E+01	2.34E-01	1.12E-03	3.57E-02	2.50E-02	2.96E-01
566	489457.08	3861065.81	1.76E-01	9.25E-04	3.57E-02	2.26E-02	2.35E-01	2.33E-01	8.87E+01	3.57E-01	1.15E-01	8.95E+01	2.26E-01	1.12E-03	3.57E-02	2.26E-02	2.85E-01
567	489357.08	3861115.81	1.97E-01	8.80E-04	3.40E-02	2.59E-02	2.58E-01	2.61E-01	8.44E+01	3.40E-01	1.32E-01	8.52E+01	2.53E-01	1.07E-03	3.40E-02	2.59E-02	3.14E-01
568	489407.08	3861115.81	1.86E-01	8.86E-04	3.52E-02	2.54E-02	2.48E-01	2.46E-01	8.50E+01	3.52E-01	1.30E-01	8.57E+01	2.39E-01	1.07E-03	3.52E-02	2.54E-02	3.01E-01
569	489457.08	3861115.81	1.77E-01	8.89E-04	3.55E-02	2.39E-02	2.37E-01	2.34E-01	8.52E+01	3.55E-01	1.22E-01	8.59E+01	2.27E-01	1.08E-03	3.55E-02	2.39E-02	2.87E-01
570	489407.08	3861165.81	1.91E-01	8.45E-04	3.45E-02	2.51E-02	2.51E-01	2.52E-01	8.11E+01	3.45E-01	1.28E-01	8.18E+01	2.44E-01	1.02E-03	3.45E-02	2.51E-02	3.05E-01
571	489457.08	3861165.81	1.80E-01	8.49E-04	3.51E-02	2.43E-02	2.41E-01	2.38E-01	8.14E+01	3.51E-01	1.24E-01	8.22E+01	2.31E-01	1.03E-03	3.51E-02	2.43E-02	2.92E-01
572	489407.08	3861215.81	1.96E-01	7.98E-04	3.32E-02	2.37E-02	2.54E-01	2.59E-01	7.65E+01	3.32E-01	1.21E-01	7.73E+01	2.52E-01	9.67E-04	3.32E-02	2.37E-02	3.09E-01
573	489457.08	3861215.81	1.83E-01	8.05E-04	3.42E-02	2.37E-02	2.41E-01	2.41E-01	7.72E+01	3.42E-01	1.21E-01	7.80E+01	2.34E-01	9.76E-04	3.42E-02	2.37E-02	2.93E-01
574	489407.08	3861265.81	2.01E-01	7.52E-04	3.20E-02	2.20E-02	2.56E-01	2.66E-01	7.21E+01	3.20E-01	1.12E-01	7.28E+01	2.58E-01	9.11E-04	3.20E-02	2.20E-02	3.13E-01
575	489457.08	3861265.81	1.89E-01	7.63E-04	3.32E-02	2.26E-02	2.45E-01	2.49E-01	7.32E+01	3.32E-01	1.15E-01	7.39E+01	2.42E-01	9.25E-04	3.32E-02	2.26E-02	2.98E-01
576	489309.86	3861110.14	2.09E-01	8.76E-04	3.24E-02	2.54E-02	2.68E-01	2.76E-01	8.40E+01	3.24E-01	1.30E-01	8.48E+01	2.68E-01	1.06E-03	3.24E-02	2.54E-02	3.27E-01
577	489407.08	3861315.81	2.06E-01	7.13E-04	3.09E-02	2.04E-02	2.58E-01	2.72E-01	6.84E+01	3.09E-01	1.04E-01	6.90E+01	2.64E-01	8.64E-04	3.09E-02	2.04E-02	3.16E-01
578	489457.08	3861315.81	1.95E-01	7.26E-04	3.24E-02	2.15E-02	2.49E-01	2.57E-01	6.96E+01	3.24E-01	1.10E-01	7.03E+01	2.49E-01	8.79E-04	3.24E-02	2.15E-02	3.04E-01
579	488906.03	3861006.75	2.61E-01	8.53E-04	3.38E-02	1.49E-02	3.11E-01	3.45E-01	8.18E+01	3.38E-01	7.61E-02	8.26E+01	3.35E-01	1.03E-03	3.38E-02	1.49E-02	3.85E-01
580	488956.03	3861006.75	2.62E-01	8.83E-04	2.94E-02	1.69E-02	3.09E-01	3.46E-01	8.47E+01	2.94E-01	8.61E-02	8.55E+01	3.36E-01	1.07E-03	2.94E-02	1.69E-02	3.83E-01
581	488904.24	3861051.87	2.62E-01	7.97E-04	3.64E-02	1.48E-02	3.14E-01	3.46E-01	7.64E+01	3.64E-01	7.54E-02	7.72E+01	3.36E-01	9.65E-04	3.64E-02	1.48E-02	3.88E-01
582	488954.24	3861051.87	2.61E-01	8.24E-04	3.11E-02	1.60E-02	3.09E-01	3.45E-01	7.91E+01	3.11E-01	8.17E-02	7.98E+01	3.35E-01	9.99E-04	3.11E-02	1.60E-02	3.83E-01
583	489004.24	3861051.87	2.61E-01	8.51E-04	2.67E-02	1.79E-02	3.07E-01	3.45E-01	8.17E+01	2.67E-01	9.17E-02	8.24E+01	3.35E-01	1.03E-03	2.67E-02	1.79E-02	3.81E-01
584	488804.24	3861101.87	2.45E-01	6.79E-04	4.23E-02	2.43E-02	3.12E-01	3.23E-01	6.51E+01	4.23E-01	1.24E-01	6.60E+01	3.14E-01	8.22E-04	4.23E-02	2.43E-02	3.81E-01
585	488854.24	3861101.87	2.52E-01	7.02E-04	4.02E-02	1.60E-02	3.09E-01	3.32E-01	6.73E+01	4.02E-01	8.16E-02	6.81E+01	3.23E-01	8.50E-04	4.02E-02	1.60E-02	3.80E-01
586	488904.24	3861101.87	2.53E-01	7.26E-04	3.56E-02	1.27E-02	3.02E-01	3.34E-01	6.96E+01	3.56E-01	6.47E-02	7.04E+01	3.24E-01	8.79E-04	3.56E-02	1.27E-02	3.73E-01
587	488954.24	3861101.87	2.54E-01	7.51E-04	3.12E-02	1.35E-02	2.99E-01	3.36E-01	7.20E+01	3.12E-01	6.91E-02	7.27E+01	3.26E-01	9.10E-04	3.12E-02	1.35E-02	3.71E-01
588	489004.24	3861101.87	2.54E-01	7.78E-04	2.67E-02	1.49E-02	2.96E-01	3.36E-01	7.46E+01	2.67E-01	7.60E-02	7.53E+01	3.26E-01	9.42E-04	2.67E-02	1.49E-02	3.68E-01
589	488804.24	3861151.87	2.34E-01	6.39E-04	4.10E-02	2.40E-02	3.00E-01	3.09E-01	6.12E+01	4.10E-01	1.23E-01	6.21E+01	3.00E-01	7.74E-04	4.10E-02	2.40E-02	3.66E-01
590	488854.24	3861151.87	2.40E-01	6.45E-04	3.88E-02	1.61E-02	2.96E-01	3.17E-01	6.18E+01	3.88E-01	8.21E-02	6.26E+01	3.08E-01	7.81E-04	3.88E-02	1.61E-02	3.64E-01
591	489129.49	3861187.55	2.44E-01	7.34E-04	1.96E-02	1.58E-02	2.80E-01	3.22E-01	7.04E+01	1.96E-01	8.08E-02	7.10E+01	3.12E-01	8.89E-04	1.96E-02	1.58E-02	3.49E-01
592	489179.49	3861187.55	2.39E-01	7.54E-04	2.28E-02	1.75E-02	2.80E-01	3.15E-01	7.23E+01	2.28E-01	8.96E-02	7.29E+01	3.06E-01	9.13E-04	2.28E-02	1.75E-02	3.47E-01
593	488804.24	3861201.87	2.27E-01	6.11E-04	4.11E-02	2.54E-02	2.94E-01	3.00E-01	5.86E+01	4.11E-01	1.30E-01	5.94E+01	2.91E-01	7.40E-04	4.11E-02	2.54E-02	3.58E-01
594	488854.24	3861201.87	2.33E-01	6.16E-04	3.91E-02	1.76E-02	2.91E-01	3.08E-01	5.90E+01	3.91E-01	8.98E-02	5.98E+01	2.99E-01	7.46E-04	3.91E-02	1.76E-02	3.57E-01
595	489129.49	3861237.55	2.44E-01	6.87E-04	1.87E-02	1.45E-02	2.78E-01	3.22E-01	6.59E+01	1.87E-01	7.41E-02	6.65E+01	3.13E-01	8.33E-04	1.87E-02	1.45E-02	3.47E-01
596	489179.49	3861237.55	2.39E-01	7.06E-04	2.14E-02	1.59E-02	2.77E-01	3.16E-01	6.77E+01	2.14E-01	8.12E-02	6.83E+01	3.07E-01	8.55E-04	2.14E-02	1.59E-02	3.45E-01
597	488804.24	3861251.87	2.20E-01	5.85E-04	4.12E-02	2.67E-02	2.88E-01	2.91E-01	5.61E+01	4.12E-01	1.36E-01	5.69E+01	2.82E-01	7.08E-04	4.12E-02	2.67E-02	3.51E-01
598	488854.24	3861251.87	2.27E-01	5.90E-04	3.94E-02	1.92E-02	2.86E-01	2.99E-01	5.66E+01	3.94E-01	9.79E-02	5.74E+01	2.91E-01	7.15E-04	3.94E-02	1.92E-02	3.50E-01
599	488804.24	3861301.87	2.12E-01	5.56E-04	4.10E-02	2.72E-02	2.81E-01	2.80E-01	5.34E+01	4.10E-01	1.39E-01	5.42E+01	2.72E-01	6.74E-04	4.10E-02	2.72E-02	3.41E-01
600	488854.24	3861301.87	2.20E-01	5.65E-04	3.97E-02	2.05E-02	2.81E-01	2.90E-01	5.42E+01	3.97E-01	1.05E-01	5.50E+01	2.82E-01	6.85E-04	3.97E-02	2.05E-02	3.43E-01
601	490943.5	3860181.97	2.47E-01	4.61E-04	4.65E-02	1.18E-02	3.06E-01	3.26E-01	4.42E+01	4.65E-01	6.02E-02	4.51E+01	3.17E-01	5.59E-04	4.65E-02	1.18E-02	3.75E-01
602	490993.5	3860181.97	2.48E-01	4.50E-04	4.61E-02	1.15E-02	3.06E-01	3.27E-01	4.31E+01	4.61E-01	5.87E-02	4.40E+01	3.18E-01	5.45E-04	4.61E-02	1.15E-02	3.76E-01
603	491043.5	3860181.97	2.47E-01	4.38E-04	4.55E-02	1.12E-02	3.05E-01	3.27E-01	4.20E+01	4.55E-01	5.72E-02	4.29E+01	3.17E-01	5.31E-04	4.55E-02	1.12E-02	3.74E-01
604	491093.5	3860181.97	2.46E-01	4.26E-04	4.47E-02	1.08E-02	3.02E-01	3.25E-01	4.09E+01	4.47E-01	5.53E-02	4.17E+01	3.15E-01	5.16E-04	4.47E-02	1.08E-02	3.71E-01
605	490943.5	3860231.97	2.39E-01	4.75E-04	4.59E-02	1.05E-02	2.96E-01	3.16E-01	4.56E+01	4.59E-01	5.36E-02	4.64E+01	3.07E-01	5.76E-04	4.59E-02	1.05E-02	3.64E-01
606	490993.5	3860231.97	2.42E-01	4.65E-04	4.59E-02	1.05E-02	2.99E-01	3.20E-01	4.46E+01	4.59E-01	5.39E-02	4.54E+01	3.11E-01	5.64E-04	4.59E-02	1.05E-02	3.67E-01

607	491043.5	3860231.97	2.43E-01	4.54E-04	4.54E-02	1.03E-02	2.99E-01	3.21E-01	4.35E+01	4.54E-01	5.26E-02	4.43E+01	3.11E-01	5.50E-04	4.54E-02	1.03E-02	3.68E-01
608	491093.5	3860231.97	2.42E-01	4.42E-04	4.49E-02	1.01E-02	2.98E-01	3.20E-01	4.24E+01	4.49E-01	5.14E-02	4.32E+01	3.11E-01	5.36E-04	4.49E-02	1.01E-02	3.66E-01
609	490943.5	3860281.97	2.30E-01	4.84E-04	4.51E-02	1.09E-02	2.87E-01	3.04E-01	4.64E+01	4.51E-01	5.57E-02	4.72E+01	2.95E-01	5.86E-04	4.51E-02	1.09E-02	3.52E-01
610	490993.5	3860281.97	2.34E-01	4.74E-04	4.52E-02	1.04E-02	2.90E-01	3.09E-01	4.55E+01	4.52E-01	5.33E-02	4.63E+01	3.00E-01	5.75E-04	4.52E-02	1.04E-02	3.57E-01
611	491043.5	3860281.97	2.37E-01	4.64E-04	4.51E-02	9.82E-03	2.92E-01	3.12E-01	4.45E+01	4.51E-01	5.02E-02	4.53E+01	3.03E-01	5.62E-04	4.51E-02	9.82E-03	3.59E-01
612	491093.5	3860281.97	2.38E-01	4.53E-04	4.48E-02	9.27E-03	2.92E-01	3.14E-01	4.35E+01	4.48E-01	4.73E-02	4.43E+01	3.05E-01	5.49E-04	4.48E-02	9.27E-03	3.59E-01
613	490943.5	3860331.97	2.20E-01	4.85E-04	4.40E-02	1.15E-02	2.76E-01	2.90E-01	4.65E+01	4.40E-01	5.86E-02	4.73E+01	2.82E-01	5.87E-04	4.40E-02	1.15E-02	3.38E-01
614	490993.5	3860331.97	2.24E-01	4.76E-04	4.43E-02	1.09E-02	2.80E-01	2.97E-01	4.57E+01	4.43E-01	5.59E-02	4.64E+01	2.88E-01	5.77E-04	4.43E-02	1.09E-02	3.44E-01
615	491043.5	3860331.97	2.28E-01	4.67E-04	4.44E-02	1.04E-02	2.83E-01	3.01E-01	4.48E+01	4.44E-01	5.33E-02	4.56E+01	2.92E-01	5.66E-04	4.44E-02	1.04E-02	3.48E-01
616	491093.5	3860331.97	2.31E-01	4.57E-04	4.43E-02	9.92E-03	2.85E-01	3.05E-01	4.39E+01	4.43E-01	5.07E-02	4.47E+01	2.96E-01	5.54E-04	4.43E-02	9.92E-03	3.51E-01
617	490086.72	3859935.12	3.14E-01	6.54E-04	4.64E-02	1.92E-02	3.80E-01	4.15E-01	6.27E+01	4.64E-01	9.79E-02	6.37E+01	4.02E-01	7.92E-04	4.64E-02	1.92E-02	4.69E-01
618	490136.72	3859935.12	2.86E-01	6.43E-04	4.93E-02	1.85E-02	3.54E-01	3.78E-01	6.16E+01	4.93E-01	9.47E-02	6.26E+01	3.66E-01	7.79E-04	4.93E-02	1.85E-02	4.35E-01
619	490186.72	3859935.12	2.87E-01	6.31E-04	5.14E-02	1.79E-02	3.57E-01	3.80E-01	6.05E+01	5.14E-01	9.15E-02	6.15E+01	3.68E-01	7.64E-04	5.14E-02	1.79E-02	4.39E-01
620	490236.72	3859935.12	2.86E-01	6.17E-04	5.26E-02	1.73E-02	3.56E-01	3.77E-01	5.92E+01	5.26E-01	8.84E-02	6.02E+01	3.66E-01	7.48E-04	5.26E-02	1.73E-02	4.37E-01
621	490286.72	3859935.12	2.80E-01	6.03E-04	5.27E-02	1.67E-02	3.50E-01	3.70E-01	5.78E+01	5.27E-01	8.54E-02	5.88E+01	3.59E-01	7.30E-04	5.27E-02	1.67E-02	4.29E-01
622	490336.72	3859935.12	2.71E-01	5.87E-04	5.20E-02	1.61E-02	3.39E-01	3.58E-01	5.63E+01	5.20E-01	8.24E-02	5.73E+01	3.47E-01	7.12E-04	5.20E-02	1.61E-02	4.16E-01
623	490386.72	3859935.12	2.67E-01	5.71E-04	5.05E-02	1.56E-02	3.34E-01	3.53E-01	5.47E+01	5.05E-01	7.96E-02	5.57E+01	3.42E-01	6.91E-04	5.05E-02	1.56E-02	4.09E-01
624	490436.72	3859935.12	2.63E-01	5.53E-04	5.07E-02	1.50E-02	3.30E-01	3.48E-01	5.30E+01	5.07E-01	7.68E-02	5.40E+01	3.38E-01	6.70E-04	5.07E-02	1.50E-02	4.04E-01
625	490486.72	3859935.12	2.64E-01	5.35E-04	5.11E-02	1.45E-02	3.30E-01	3.49E-01	5.13E+01	5.11E-01	7.42E-02	5.22E+01	3.38E-01	6.48E-04	5.11E-02	1.45E-02	4.05E-01
626	490536.72	3859935.12	2.70E-01	5.15E-04	5.14E-02	1.40E-02	3.36E-01	3.57E-01	4.94E+01	5.14E-01	7.17E-02	5.04E+01	3.46E-01	6.24E-04	5.14E-02	1.40E-02	4.12E-01
627	490586.72	3859935.12	2.75E-01	5.07E-04	5.15E-02	1.36E-02	3.41E-01	3.63E-01	4.86E+01	5.15E-01	6.94E-02	4.96E+01	3.53E-01	6.14E-04	5.15E-02	1.36E-02	4.18E-01
628	490636.72	3859935.12	2.78E-01	5.02E-04	5.13E-02	1.31E-02	3.43E-01	3.67E-01	4.81E+01	5.13E-01	6.70E-02	4.91E+01	3.56E-01	6.08E-04	5.13E-02	1.31E-02	4.21E-01
629	490686.72	3859935.12	2.80E-01	4.93E-04	5.10E-02	1.27E-02	3.44E-01	3.70E-01	4.73E+01	5.10E-01	6.51E-02	4.82E+01	3.59E-01	5.97E-04	5.10E-02	1.27E-02	4.23E-01
630	490736.72	3859935.12	2.80E-01	4.86E-04	5.04E-02	1.23E-02	3.44E-01	3.70E-01	4.67E+01	5.04E-01	6.31E-02	4.76E+01	3.59E-01	5.89E-04	5.04E-02	1.23E-02	4.23E-01
631	490086.72	3859985.12	3.37E-01	6.67E-04	4.56E-02	2.00E-02	4.03E-01	4.45E-01	6.40E+01	4.56E-01	1.02E-01	6.50E+01	4.32E-01	8.08E-04	4.56E-02	2.00E-02	4.98E-01
632	490136.72	3859985.12	3.10E-01	6.56E-04	4.59E-02	1.95E-02	3.77E-01	4.10E-01	6.29E+01	4.59E-01	9.96E-02	6.38E+01	3.98E-01	7.94E-04	4.59E-02	1.95E-02	4.64E-01
633	490186.72	3859985.12	2.83E-01	6.42E-04	4.85E-02	1.90E-02	3.51E-01	3.74E-01	6.15E+01	4.85E-01	9.71E-02	6.25E+01	3.63E-01	7.77E-04	4.85E-02	1.90E-02	4.31E-01
634	490236.72	3859985.12	2.83E-01	6.26E-04	5.08E-02	1.85E-02	3.53E-01	3.74E-01	6.01E+01	5.08E-01	9.46E-02	6.10E+01	3.63E-01	7.59E-04	5.08E-02	1.85E-02	4.33E-01
635	490286.72	3859985.12	2.82E-01	6.10E-04	5.20E-02	1.80E-02	3.53E-01	3.73E-01	5.85E+01	5.20E-01	9.19E-02	5.95E+01	3.62E-01	7.39E-04	5.20E-02	1.80E-02	4.32E-01
636	490336.72	3859985.12	2.77E-01	5.92E-04	5.22E-02	1.75E-02	3.47E-01	3.66E-01	5.68E+01	5.22E-01	8.93E-02	5.78E+01	3.55E-01	7.18E-04	5.22E-02	1.75E-02	4.26E-01
637	490386.72	3859985.12	2.68E-01	5.74E-04	5.13E-02	1.70E-02	3.37E-01	3.55E-01	5.51E+01	5.13E-01	8.66E-02	5.60E+01	3.44E-01	6.95E-04	5.13E-02	1.70E-02	4.13E-01
638	490436.72	3859985.12	2.61E-01	5.54E-04	4.99E-02	1.64E-02	3.28E-01	3.45E-01	5.32E+01	4.99E-01	8.40E-02	5.41E+01	3.35E-01	6.72E-04	4.99E-02	1.64E-02	4.02E-01
639	490486.72	3859985.12	2.58E-01	5.34E-04	4.96E-02	1.59E-02	3.24E-01	3.41E-01	5.12E+01	4.96E-01	8.14E-02	5.21E+01	3.31E-01	6.47E-04	4.96E-02	1.59E-02	3.97E-01
640	490536.72	3859985.12	2.57E-01	5.13E-04	5.01E-02	1.54E-02	3.23E-01	3.40E-01	4.92E+01	5.01E-01	7.89E-02	5.01E+01	3.30E-01	6.21E-04	5.01E-02	1.54E-02	3.96E-01
641	490586.72	3859985.12	2.63E-01	4.98E-04	5.05E-02	1.50E-02	3.29E-01	3.48E-01	4.77E+01	5.05E-01	7.65E-02	4.86E+01	3.38E-01	6.03E-04	5.05E-02	1.50E-02	4.04E-01
642	490636.72	3859985.12	2.68E-01	4.93E-04	5.06E-02	1.45E-02	3.34E-01	3.55E-01	4.73E+01	5.06E-01	7.41E-02	4.82E+01	3.44E-01	5.97E-04	5.06E-02	1.45E-02	4.10E-01
643	490686.72	3859985.12	2.73E-01	4.88E-04	5.07E-02	1.41E-02	3.38E-01	3.60E-01	4.68E+01	5.07E-01	7.20E-02	4.78E+01	3.50E-01	5.92E-04	5.07E-02	1.41E-02	4.15E-01
644	490736.72	3859985.12	2.74E-01	4.84E-04	5.03E-02	1.36E-02	3.39E-01	3.62E-01	4.64E+01	5.03E-01	6.97E-02	4.73E+01	3.51E-01	5.86E-04	5.03E-02	1.36E-02	4.16E-01
645	490786.72	3859985.12	2.74E-01	4.79E-04	4.96E-02	1.32E-02	3.37E-01	3.62E-01	4.59E+01	4.96E-01	6.74E-02	4.69E+01	3.51E-01	5.80E-04	4.96E-02	1.32E-02	4.15E-01
646	490086.72	3860035.12	3.56E-01	6.70E-04	4.51E-02	1.91E-02	4.21E-01	4.70E-01	6.43E+01	4.51E-01	9.76E-02	6.53E+01	4.57E-01	8.12E-04	4.51E-02	1.91E-02	5.22E-01
647	490136.72	3860035.12	3.33E-01	6.56E-04	4.60E-02	1.89E-02	3.98E-01	4.39E-01	6.29E+01	4.60E-01	9.63E-02	6.39E+01	4.26E-01	7.94E-04	4.60E-02	1.89E-02	4.92E-01
648	490186.72	3860035.12	3.07E-01	6.39E-04	4.63E-02	1.86E-02	3.73E-01	4.06E-01	6.13E+01	4.63E-01	9.49E-02	6.23E+01	3.94E-01	7.74E-04	4.63E-02	1.86E-02	4.60E-01
649	490236.72	3860035.12	2.81E-01	6.22E-04	4.77E-02	1.83E-02	3.47E-01	3.71E-01	5.96E+01	4.77E-01	9.33E-02	6.06E+01	3.60E-01	7.53E-04	4.77E-02	1.83E-02	4.27E-01
650	490286.72	3860035.12	2.78E-01	6.03E-04	4.96E-02	1.79E-02	3.46E-01	3.67E-01	5.78E+01	4.96E-01	9.16E-02	5.88E+01	3.56E-01	7.30E-04	4.96E-02	1.79E-02	4.25E-01
651	490336.72	3860035.12	2.78E-01	5.83E-04	5.10E-02	1.76E-02	3.47E-01	3.67E-01	5.59E+01	5.10E-01	8.98E-02	5.69E+01	3.56E-01	7.06E-04	5.10E-02	1.76E-02	4.26E-01
652	490386.72	3860035.12	2.74E-01	5.63E-04	5.11E-02	1.72E-02	3.42E-01	3.61E-01	5.40E+01	5.11E-01	8.78E-02	5.49E+01	3.51E-01	6.82E-04	5.11E-02	1.72E-02	4.20E-01
653	490436.72	3860035.12	2.66E-01	5.42E-04	5.06E-02	1.68E-02	3.34E-01	3.51E-01	5.20E+01	5.06E-01	8.58E-02	5.29E+01	3.41E-01	6.56E-04	5.06E-02	1.68E-02	4.09E-01
654	490486.72	3860035.12	2.56E-01	5.20E-04	4.94E-02	1.64E-02	3.22E-01	3.38E-01	4.99E+01	4.94E-01	8.38E-02	5.08E+01	3.28E-01	6.30E-04	4.94E-02	1.64E-02	3.94E-01
655	490536.72	3860035.12	2.53E-01	5.04E-04	4.86E-02	1.60E-02	3.18E-01	3.34E-01	4.83E+01	4.86E-01	8.17E-02	4.92E+01	3.24E-01	6.10E-04	4.86E-02	1.60E-02	3.89E-01
656	490586.72	3860035.12	2.50E-01	4.92E-04	4.91E-02	1.56E-02	3.16E-01	3.31E-01	4.71E+01	4.91E-01	7.96E-02	4.80E+01	3.21E-01	5.95E-04	4.91E-02	1.56E-02	3.86E-01
657	490636.72	3860035.12	2.56E-01	4.86E-04	4.94E-02	1.52E-02	3.21E-01	3.38E-01	4.66E+01	4.94E-01	7.74E-02	4.75E+01	3.28E-01	5.89E-04	4.94E-02	1.52E-02	3.93E-01
658	490686.72	3860035.12	2.61E-01	4.81E-04	4.96E-02	1.47E-02	3.26E-01	3.45E-01	4.61E+01	4.96E-01	7.53E-02	4.70E+01	3.35E-01	5.82E-04	4.96E-02	1.47E-02	3.99E-01
659	490736.72	3860035.12	2.66E-01	4.74E-04	4.97E-02	1.44E-02	3.30E-01	3.51E-01	4.55E+01	4.97E-01	7.34E-02	4.64E+01	3.41E-01	5.74E-04	4.97E-02	1.44E-02	4.05E-01
660	490786.72	3860035.12	2.67E-01	4.68E-04	4.94E-02	1.39E-02	3.31E-01	3.53E-01	4.49E+01	4.94E-01	7.12E-02	4.58E+01	3.43E-01	5.67E-04	4.94E-02	1.39E-02	4.07E-01
661	490836.72	3860035.12	2.68E-01	4.62E-04	4.88E-02	1.35E-02	3.30E-01	3.53E-01	4.43E+01	4.88E-01	6.90E-02	4.52E+01	3.43E-01	5.60E-04	4.88E-02	1.35E-02	4.06E-01
662	490086.72	3860085.12	3.73E-01	6.55E-04	4.42E-02	1.75E-02	4.35E-01	4.92E-01	6.29E+01	4.42E-01	8.96E-02	6.39E+01	4.78E-01	7.94E-04	4.42E-02	1.75E-02	5.40E-01
663	490136.72	3860085.12	3.51E-01	6.36E-04	4.54E-02	1.71E-02	4.14E-01	4.64E-01	6.10E+01	4.54E-01	8.75E-02	6.20E+01	4.50E-01	7.71E-04	4.54E-02	1.71E-02	5.13E-01
664	490186.72	3860085.12	3.29E-01	6.17E-04	4.63E-02	1.71E-02	3.93E-01	4.35E-01	5.92E+01	4.63E-01	8.73E-02	6.02E+01	4.22E-01	7.48E-04	4.63E-02	1.71E-02	4.86E-01
665	490236.72	3860085.12	3.04E-01	5.98E-04	4.66E-02	1.70E-02	3.69E-01	4.02E-01	5.74E+01	4.66E-01	8.68E-02	5.83E+01	3.90E-01	7.25E-04	4.66E-02	1.70E-02	4.55E-01
666	490286.72	3860085.12	2.79E-01	5.78E-04	4.69E-02	1.69E-02	3.43E-01	3.68E-01	5.55E+01	4.69E-01	8.61E-02	5.64E+01	3.57E-01	7.01E-04	4.69E-02	1.69E-02	4.22E-01
667	490336.72	3860085.12	2.73E-01	5.58E-04	4.87E-02	1.67E-02	3.39E-01	3.61E-01	5.35E+01	4.87E-01	8.52E-02	5.45E+01	3.50E-01	6.76E-04	4.87E-02	1.67E-02	4.17E-01

668	490386.72	3860085.12	2.74E-01	5.48E-04	4.99E-02	1.65E-02	3.40E-01	3.61E-01	5.26E+01	4.99E-01	8.42E-02	5.35E+01	3.51E-01	6.64E-04	4.99E-02	1.65E-02	4.18E-01
669	490436.72	3860085.12	2.70E-01	5.39E-04	5.02E-02	1.62E-02	3.37E-01	3.57E-01	5.17E+01	5.02E-01	8.30E-02	5.26E+01	3.46E-01	6.53E-04	5.02E-02	1.62E-02	4.13E-01
670	490486.72	3860085.12	2.63E-01	5.29E-04	4.97E-02	1.60E-02	3.29E-01	3.48E-01	5.08E+01	4.97E-01	8.16E-02	5.17E+01	3.37E-01	6.41E-04	4.97E-02	1.60E-02	4.04E-01
671	490536.72	3860085.12	2.54E-01	5.19E-04	4.89E-02	1.57E-02	3.19E-01	3.35E-01	4.98E+01	4.89E-01	8.01E-02	5.07E+01	3.25E-01	6.29E-04	4.89E-02	1.57E-02	3.90E-01
672	490586.72	3860085.12	2.47E-01	5.08E-04	4.76E-02	1.54E-02	3.11E-01	3.27E-01	4.88E+01	4.76E-01	7.87E-02	4.96E+01	3.17E-01	6.16E-04	4.76E-02	1.54E-02	3.81E-01
673	490636.72	3860085.12	2.44E-01	4.97E-04	4.81E-02	1.50E-02	3.08E-01	3.23E-01	4.77E+01	4.81E-01	7.68E-02	4.86E+01	3.13E-01	6.03E-04	4.81E-02	1.50E-02	3.77E-01
674	490686.72	3860085.12	2.50E-01	4.86E-04	4.85E-02	1.48E-02	3.13E-01	3.30E-01	4.66E+01	4.85E-01	7.55E-02	4.75E+01	3.20E-01	5.89E-04	4.85E-02	1.48E-02	3.84E-01
675	490736.72	3860085.12	2.55E-01	4.74E-04	4.87E-02	1.44E-02	3.18E-01	3.36E-01	4.55E+01	4.87E-01	7.38E-02	4.64E+01	3.27E-01	5.74E-04	4.87E-02	1.44E-02	3.90E-01
676	490786.72	3860085.12	2.59E-01	4.62E-04	4.87E-02	1.41E-02	3.22E-01	3.42E-01	4.43E+01	4.87E-01	7.20E-02	4.52E+01	3.32E-01	5.60E-04	4.87E-02	1.41E-02	3.95E-01
677	490836.72	3860085.12	2.60E-01	4.57E-04	4.84E-02	1.37E-02	3.23E-01	3.44E-01	4.38E+01	4.84E-01	7.02E-02	4.47E+01	3.34E-01	5.53E-04	4.84E-02	1.37E-02	3.97E-01
678	490086.72	3860135.12	3.80E-01	6.18E-04	4.23E-02	2.00E-02	4.43E-01	5.02E-01	5.93E+01	4.23E-01	1.02E-01	6.03E+01	4.88E-01	7.49E-04	4.23E-02	2.00E-02	5.51E-01
679	490136.72	3860135.12	3.65E-01	5.98E-04	4.42E-02	1.92E-02	4.29E-01	4.82E-01	5.74E+01	4.42E-01	9.80E-02	5.84E+01	4.68E-01	7.25E-04	4.42E-02	1.92E-02	5.32E-01
680	490186.72	3860135.12	3.46E-01	5.79E-04	4.56E-02	1.83E-02	4.11E-01	4.58E-01	5.55E+01	4.56E-01	9.34E-02	5.65E+01	4.44E-01	7.01E-04	4.56E-02	1.83E-02	5.09E-01
681	490236.72	3860135.12	3.24E-01	5.73E-04	4.64E-02	1.73E-02	3.89E-01	4.29E-01	5.50E+01	4.64E-01	8.86E-02	5.59E+01	4.16E-01	6.94E-04	4.64E-02	1.73E-02	4.80E-01
682	490286.72	3860135.12	3.01E-01	5.68E-04	4.67E-02	1.64E-02	3.64E-01	3.97E-01	5.45E+01	4.67E-01	8.39E-02	5.54E+01	3.86E-01	6.88E-04	4.67E-02	1.64E-02	4.49E-01
683	490336.72	3860135.12	2.76E-01	5.62E-04	4.64E-02	1.55E-02	3.38E-01	3.64E-01	5.39E+01	4.64E-01	7.92E-02	5.48E+01	3.54E-01	6.81E-04	4.64E-02	1.55E-02	4.16E-01
684	490386.72	3860135.12	2.69E-01	5.56E-04	4.77E-02	1.51E-02	3.32E-01	3.55E-01	5.33E+01	4.77E-01	7.70E-02	5.42E+01	3.44E-01	6.73E-04	4.77E-02	1.51E-02	4.08E-01
685	490436.72	3860135.12	2.69E-01	5.49E-04	4.88E-02	1.50E-02	3.33E-01	3.55E-01	5.26E+01	4.88E-01	7.68E-02	5.35E+01	3.45E-01	6.65E-04	4.88E-02	1.50E-02	4.10E-01
686	490486.72	3860135.12	2.66E-01	5.41E-04	4.92E-02	1.49E-02	3.31E-01	3.52E-01	5.18E+01	4.92E-01	7.59E-02	5.28E+01	3.41E-01	6.55E-04	4.92E-02	1.49E-02	4.06E-01
687	490536.72	3860135.12	2.61E-01	5.32E-04	4.92E-02	1.47E-02	3.25E-01	3.44E-01	5.10E+01	4.92E-01	7.53E-02	5.19E+01	3.34E-01	6.45E-04	4.92E-02	1.47E-02	3.99E-01
688	490586.72	3860135.12	2.52E-01	5.23E-04	4.83E-02	1.45E-02	3.15E-01	3.33E-01	5.01E+01	4.83E-01	7.42E-02	5.10E+01	3.23E-01	6.33E-04	4.83E-02	1.45E-02	3.86E-01
689	490636.72	3860135.12	2.42E-01	5.13E-04	4.69E-02	1.43E-02	3.04E-01	3.20E-01	4.92E+01	4.69E-01	7.29E-02	5.01E+01	3.11E-01	6.22E-04	4.69E-02	1.43E-02	3.72E-01
690	490686.72	3860135.12	2.39E-01	5.03E-04	4.71E-02	1.40E-02	3.01E-01	3.16E-01	4.82E+01	4.71E-01	7.16E-02	4.91E+01	3.07E-01	6.09E-04	4.71E-02	1.40E-02	3.69E-01
691	490736.72	3860135.12	2.43E-01	4.92E-04	4.75E-02	1.38E-02	3.05E-01	3.21E-01	4.72E+01	4.75E-01	7.06E-02	4.81E+01	3.11E-01	5.96E-04	4.75E-02	1.38E-02	3.73E-01
692	490786.72	3860135.12	2.48E-01	4.81E-04	4.78E-02	1.37E-02	3.10E-01	3.28E-01	4.61E+01	4.78E-01	7.01E-02	4.70E+01	3.18E-01	5.83E-04	4.78E-02	1.37E-02	3.80E-01
693	490836.72	3860135.12	2.51E-01	4.70E-04	4.77E-02	1.34E-02	3.13E-01	3.32E-01	4.51E+01	4.77E-01	6.86E-02	4.59E+01	3.22E-01	5.69E-04	4.77E-02	1.34E-02	3.84E-01
694	490086.72	3860185.12	3.85E-01	6.26E-04	4.40E-02	2.03E-02	4.50E-01	5.08E-01	6.00E+01	4.40E-01	1.04E-01	6.10E+01	4.93E-01	7.58E-04	4.40E-02	2.03E-02	5.58E-01
695	490136.72	3860185.12	3.74E-01	6.11E-04	4.26E-02	1.99E-02	4.38E-01	4.95E-01	5.86E+01	4.26E-01	1.02E-01	5.97E+01	4.80E-01	7.41E-04	4.26E-02	1.99E-02	5.43E-01
696	490186.72	3860185.12	3.60E-01	5.97E-04	4.45E-02	1.94E-02	4.24E-01	4.75E-01	5.73E+01	4.45E-01	9.92E-02	5.83E+01	4.61E-01	7.23E-04	4.45E-02	1.94E-02	5.26E-01
697	490236.72	3860185.12	3.41E-01	5.83E-04	4.57E-02	1.88E-02	4.06E-01	4.51E-01	5.59E+01	4.57E-01	9.62E-02	5.69E+01	4.38E-01	7.06E-04	4.57E-02	1.88E-02	5.03E-01
698	490286.72	3860185.12	3.20E-01	5.69E-04	4.65E-02	1.82E-02	3.85E-01	4.23E-01	5.46E+01	4.65E-01	9.28E-02	5.56E+01	4.11E-01	6.90E-04	4.65E-02	1.82E-02	4.76E-01
699	490336.72	3860185.12	2.97E-01	5.65E-04	4.67E-02	1.75E-02	3.62E-01	3.93E-01	5.42E+01	4.67E-01	8.92E-02	5.52E+01	3.81E-01	6.85E-04	4.67E-02	1.75E-02	4.46E-01
700	490386.72	3860185.12	2.73E-01	5.61E-04	4.64E-02	1.67E-02	3.37E-01	3.61E-01	5.38E+01	4.64E-01	8.54E-02	5.47E+01	3.50E-01	6.79E-04	4.64E-02	1.67E-02	4.14E-01
701	490436.72	3860185.12	2.64E-01	5.55E-04	4.67E-02	1.59E-02	3.27E-01	3.48E-01	5.32E+01	4.67E-01	8.12E-02	5.41E+01	3.38E-01	6.72E-04	4.67E-02	1.59E-02	4.01E-01
702	490486.72	3860185.12	2.65E-01	5.49E-04	4.79E-02	1.50E-02	3.28E-01	3.50E-01	5.26E+01	4.79E-01	7.65E-02	5.35E+01	3.40E-01	6.65E-04	4.79E-02	1.50E-02	4.03E-01
703	490536.72	3860185.12	2.63E-01	5.41E-04	4.84E-02	1.41E-02	3.26E-01	3.47E-01	5.19E+01	4.84E-01	7.22E-02	5.28E+01	3.37E-01	6.56E-04	4.84E-02	1.41E-02	4.00E-01
704	490586.72	3860185.12	2.58E-01	5.34E-04	4.85E-02	1.34E-02	3.21E-01	3.41E-01	5.12E+01	4.85E-01	6.84E-02	5.21E+01	3.31E-01	6.47E-04	4.85E-02	1.34E-02	3.94E-01
705	490636.72	3860185.12	2.50E-01	5.25E-04	4.77E-02	1.28E-02	3.11E-01	3.30E-01	5.04E+01	4.77E-01	6.54E-02	5.12E+01	3.20E-01	6.36E-04	4.77E-02	1.28E-02	3.81E-01
706	490686.72	3860185.12	2.39E-01	5.16E-04	4.64E-02	1.28E-02	2.99E-01	3.16E-01	4.95E+01	4.64E-01	6.52E-02	5.03E+01	3.07E-01	6.25E-04	4.64E-02	1.28E-02	3.66E-01
707	490736.72	3860185.12	2.34E-01	5.06E-04	4.61E-02	1.26E-02	2.94E-01	3.10E-01	4.86E+01	4.61E-01	6.43E-02	4.94E+01	3.00E-01	6.14E-04	4.61E-02	1.26E-02	3.60E-01
708	490786.72	3860185.12	2.36E-01	4.97E-04	4.66E-02	1.25E-02	2.96E-01	3.12E-01	4.76E+01	4.66E-01	6.40E-02	4.85E+01	3.03E-01	6.02E-04	4.66E-02	1.25E-02	3.63E-01
709	490836.72	3860185.12	2.41E-01	4.86E-04	4.68E-02	1.24E-02	3.01E-01	3.19E-01	4.66E+01	4.68E-01	6.35E-02	4.75E+01	3.09E-01	5.89E-04	4.68E-02	1.24E-02	3.69E-01
710	490086.72	3860235.12	3.85E-01	6.54E-04	4.68E-02	1.92E-02	4.52E-01	5.09E-01	6.27E+01	4.68E-01	9.82E-02	6.38E+01	4.94E-01	7.92E-04	4.68E-02	1.92E-02	5.61E-01
711	490136.72	3860235.12	3.79E-01	6.40E-04	4.37E-02	1.86E-02	4.42E-01	5.00E-01	6.14E+01	4.37E-01	9.49E-02	6.24E+01	4.86E-01	7.76E-04	4.37E-02	1.86E-02	5.49E-01
712	490186.72	3860235.12	3.69E-01	6.26E-04	4.28E-02	1.86E-02	4.31E-01	4.87E-01	6.01E+01	4.28E-01	9.49E-02	6.11E+01	4.72E-01	7.59E-04	4.28E-02	1.86E-02	5.35E-01
713	490236.72	3860235.12	3.54E-01	6.12E-04	4.46E-02	1.84E-02	4.18E-01	4.68E-01	5.87E+01	4.46E-01	9.42E-02	5.97E+01	4.54E-01	7.41E-04	4.46E-02	1.84E-02	5.18E-01
714	490286.72	3860235.12	3.36E-01	5.98E-04	4.58E-02	1.82E-02	4.01E-01	4.44E-01	5.73E+01	4.58E-01	9.29E-02	5.83E+01	4.31E-01	7.24E-04	4.58E-02	1.82E-02	4.96E-01
715	490336.72	3860235.12	3.16E-01	5.83E-04	4.65E-02	1.78E-02	3.81E-01	4.18E-01	5.59E+01	4.65E-01	9.11E-02	5.69E+01	4.05E-01	7.06E-04	4.65E-02	1.78E-02	4.70E-01
716	490386.72	3860235.12	2.94E-01	5.68E-04	4.67E-02	1.74E-02	3.58E-01	3.88E-01	5.45E+01	4.67E-01	8.89E-02	5.54E+01	3.77E-01	6.88E-04	4.67E-02	1.74E-02	4.41E-01
717	490436.72	3860235.12	2.70E-01	5.57E-04	4.64E-02	1.68E-02	3.34E-01	3.57E-01	5.34E+01	4.64E-01	8.60E-02	5.43E+01	3.47E-01	6.74E-04	4.64E-02	1.68E-02	4.11E-01
718	490486.72	3860235.12	2.59E-01	5.52E-04	4.58E-02	1.61E-02	3.21E-01	3.42E-01	5.29E+01	4.58E-01	8.22E-02	5.38E+01	3.32E-01	6.68E-04	4.58E-02	1.61E-02	3.95E-01
719	490536.72	3860235.12	2.61E-01	5.46E-04	4.71E-02	1.54E-02	3.24E-01	3.45E-01	5.24E+01	4.71E-01	7.87E-02	5.33E+01	3.35E-01	6.61E-04	4.71E-02	1.54E-02	3.98E-01
720	490586.72	3860235.12	2.60E-01	5.39E-04	4.77E-02	1.47E-02	3.23E-01	3.43E-01	5.17E+01	4.77E-01	7.53E-02	5.26E+01	3.33E-01	6.54E-04	4.77E-02	1.47E-02	3.96E-01
721	490636.72	3860235.12	2.55E-01	5.32E-04	4.77E-02	1.40E-02	3.18E-01	3.37E-01	5.11E+01	4.77E-01	7.17E-02	5.19E+01	3.27E-01	6.45E-04	4.77E-02	1.40E-02	3.90E-01
722	490686.72	3860235.12	2.48E-01	5.25E-04	4.71E-02	1.33E-02	3.09E-01	3.27E-01	5.03E+01	4.71E-01	6.82E-02	5.12E+01	3.18E-01	6.36E-04	4.71E-02	1.33E-02	3.79E-01
723	490736.72	3860235.12	2.38E-01	5.16E-04	4.59E-02	1.26E-02	2.97E-01	3.14E-01	4.95E+01	4.59E-01	6.45E-02	5.03E+01	3.05E-01	6.25E-04	4.59E-02	1.26E-02	3.64E-01
724	490786.72	3860235.12	2.30E-01	5.07E-04	4.52E-02	1.19E-02	2.87E-01	3.03E-01	4.86E+01	4.52E-01	6.08E-02	4.95E+01	2.94E-01	6.14E-04	4.52E-02	1.19E-02	3.52E-01
725	490086.72	3860285.12	3.80E-01	6.83E-04	4.87E-02	1.89E-02	4.49E-01	5.03E-01	6.55E+01	4.87E-01	9.66E-02	6.66E+01	4.88E-01	8.28E-04	4.87E-02	1.89E-02	5.56E-01
726	490136.72	3860285.12	3.79E-01	6.69E-04	4.64E-02	1.87E-02	4.45E-01	5.00E-01	6.41E+01	4.64E-01	9.55E-02	6.52E+01	4.86E-01	8.10E-04	4.64E-02	1.87E-02	5.51E-01
727	490186.72	3860285.12	3.73E-01	6.54E-04	4.32E-02	1.83E-02	4.35E-01	4.92E-01	6.27E+01	4.32E-01	9.36E-02	6.38E+01	4.78E-01	7.93E-04	4.32E-02	1.83E-02	5.40E-01
728	490236.72	3860285.12	3.63E-01	6.39E-04	4.30E-02	1.79E-02	4.24E-01	4.79E-01	6.13E+01	4.30E-01	9.12E-02	6.23E+01	4.65E-01	7.75E-04	4.30E-02	1.79E-02	5.27E-01

729	490286.72	3860285.12	3.49E-01	6.25E-04	4.46E-02	1.73E-02	4.11E-01	4.60E-01	5.99E+01	4.46E-01	8.82E-02	6.09E+01	4.47E-01	7.57E-04	4.46E-02	1.73E-02	5.09E-01
730	490336.72	3860285.12	3.31E-01	6.09E-04	4.58E-02	1.68E-02	3.95E-01	4.38E-01	5.84E+01	4.58E-01	8.56E-02	5.94E+01	4.25E-01	7.38E-04	4.58E-02	1.68E-02	4.88E-01
731	490386.72	3860285.12	3.12E-01	5.94E-04	4.65E-02	1.66E-02	3.76E-01	4.12E-01	5.70E+01	4.65E-01	8.50E-02	5.79E+01	4.00E-01	7.20E-04	4.65E-02	1.66E-02	4.64E-01
732	490436.72	3860285.12	2.91E-01	5.79E-04	4.66E-02	1.63E-02	3.54E-01	3.84E-01	5.55E+01	4.66E-01	8.35E-02	5.64E+01	3.72E-01	7.01E-04	4.66E-02	1.63E-02	4.36E-01
733	490486.72	3860285.12	2.68E-01	5.63E-04	4.64E-02	1.60E-02	3.31E-01	3.54E-01	5.40E+01	4.64E-01	8.16E-02	5.49E+01	3.43E-01	6.82E-04	4.64E-02	1.60E-02	4.06E-01
734	490536.72	3860285.12	2.54E-01	5.48E-04	4.56E-02	1.55E-02	3.16E-01	3.36E-01	5.25E+01	4.56E-01	7.90E-02	5.34E+01	3.26E-01	6.63E-04	4.56E-02	1.55E-02	3.88E-01
735	490586.72	3860285.12	2.57E-01	5.38E-04	4.61E-02	1.50E-02	3.18E-01	3.39E-01	5.16E+01	4.61E-01	7.65E-02	5.25E+01	3.29E-01	6.52E-04	4.61E-02	1.50E-02	3.91E-01
736	490636.72	3860285.12	2.56E-01	5.33E-04	4.68E-02	1.45E-02	3.18E-01	3.38E-01	5.11E+01	4.68E-01	7.40E-02	5.20E+01	3.28E-01	6.45E-04	4.68E-02	1.45E-02	3.90E-01
737	490686.72	3860285.12	2.52E-01	5.26E-04	4.70E-02	1.40E-02	3.14E-01	3.34E-01	5.05E+01	4.70E-01	7.15E-02	5.14E+01	3.24E-01	6.38E-04	4.70E-02	1.40E-02	3.85E-01
738	490736.72	3860285.12	2.46E-01	5.19E-04	4.64E-02	1.34E-02	3.06E-01	3.25E-01	4.98E+01	4.64E-01	6.86E-02	5.07E+01	3.15E-01	6.29E-04	4.64E-02	1.34E-02	3.76E-01
739	490786.72	3860285.12	2.36E-01	5.12E-04	4.54E-02	1.29E-02	2.95E-01	3.12E-01	4.91E+01	4.54E-01	6.58E-02	4.99E+01	3.03E-01	6.20E-04	4.54E-02	1.29E-02	3.62E-01
740	490086.72	3860335.12	3.71E-01	7.05E-04	4.98E-02	1.70E-02	4.39E-01	4.91E-01	6.76E+01	4.98E-01	8.68E-02	6.87E+01	4.76E-01	8.54E-04	4.98E-02	1.70E-02	5.44E-01
741	490136.72	3860335.12	3.74E-01	6.90E-04	4.84E-02	1.73E-02	4.40E-01	4.94E-01	6.62E+01	4.84E-01	8.82E-02	6.73E+01	4.80E-01	8.36E-04	4.84E-02	1.73E-02	5.46E-01
742	490186.72	3860335.12	3.72E-01	6.75E-04	4.59E-02	1.74E-02	4.36E-01	4.92E-01	6.48E+01	4.59E-01	8.87E-02	6.58E+01	4.77E-01	8.18E-04	4.59E-02	1.74E-02	5.41E-01
743	490236.72	3860335.12	3.67E-01	6.60E-04	4.27E-02	1.73E-02	4.27E-01	4.84E-01	6.33E+01	4.27E-01	8.86E-02	6.43E+01	4.70E-01	8.00E-04	4.27E-02	1.73E-02	5.31E-01
744	490286.72	3860335.12	3.57E-01	6.45E-04	4.30E-02	1.72E-02	4.18E-01	4.71E-01	6.18E+01	4.30E-01	8.77E-02	6.28E+01	4.57E-01	7.81E-04	4.30E-02	1.72E-02	5.18E-01
745	490336.72	3860335.12	3.43E-01	6.29E-04	4.46E-02	1.68E-02	4.05E-01	4.53E-01	6.04E+01	4.46E-01	8.59E-02	6.13E+01	4.40E-01	7.62E-04	4.46E-02	1.68E-02	5.02E-01
746	490386.72	3860335.12	3.27E-01	6.14E-04	4.57E-02	1.63E-02	3.89E-01	4.32E-01	5.89E+01	4.57E-01	8.33E-02	5.98E+01	4.19E-01	7.43E-04	4.57E-02	1.63E-02	4.82E-01
747	490436.72	3860335.12	3.08E-01	5.98E-04	4.64E-02	1.57E-02	3.71E-01	4.07E-01	5.73E+01	4.64E-01	8.03E-02	5.83E+01	3.95E-01	7.24E-04	4.64E-02	1.57E-02	4.58E-01
748	490486.72	3860335.12	2.87E-01	5.82E-04	4.65E-02	1.51E-02	3.49E-01	3.79E-01	5.58E+01	4.65E-01	7.69E-02	5.67E+01	3.68E-01	7.05E-04	4.65E-02	1.51E-02	4.31E-01
749	490536.72	3860335.12	2.65E-01	5.66E-04	4.63E-02	1.47E-02	3.27E-01	3.50E-01	5.43E+01	4.63E-01	7.49E-02	5.52E+01	3.40E-01	6.86E-04	4.63E-02	1.47E-02	4.02E-01
750	490586.72	3860335.12	2.50E-01	5.50E-04	4.56E-02	1.44E-02	3.10E-01	3.30E-01	5.27E+01	4.56E-01	7.34E-02	5.36E+01	3.20E-01	6.66E-04	4.56E-02	1.44E-02	3.81E-01
751	490636.72	3860335.12	2.53E-01	5.34E-04	4.53E-02	1.41E-02	3.13E-01	3.34E-01	5.12E+01	4.53E-01	7.19E-02	5.21E+01	3.24E-01	6.47E-04	4.53E-02	1.41E-02	3.84E-01
752	490686.72	3860335.12	2.53E-01	5.20E-04	4.61E-02	1.38E-02	3.13E-01	3.34E-01	4.99E+01	4.61E-01	7.03E-02	5.08E+01	3.24E-01	6.30E-04	4.61E-02	1.38E-02	3.85E-01
753	490736.72	3860335.12	2.50E-01	5.15E-04	4.62E-02	1.34E-02	3.10E-01	3.30E-01	4.94E+01	4.62E-01	6.85E-02	5.02E+01	3.20E-01	6.24E-04	4.62E-02	1.34E-02	3.80E-01
754	490786.72	3860335.12	2.44E-01	5.09E-04	4.59E-02	1.31E-02	3.03E-01	3.22E-01	4.88E+01	4.59E-01	6.69E-02	4.96E+01	3.13E-01	6.16E-04	4.59E-02	1.31E-02	3.72E-01
755	490086.72	3860385.12	3.59E-01	7.10E-04	5.02E-02	1.44E-02	4.24E-01	4.74E-01	6.81E+01	5.02E-01	7.36E-02	6.92E+01	4.60E-01	8.61E-04	5.02E-02	1.44E-02	5.26E-01
756	490136.72	3860385.12	3.66E-01	6.96E-04	4.97E-02	1.50E-02	4.31E-01	4.83E-01	6.67E+01	4.97E-01	7.65E-02	6.78E+01	4.69E-01	8.43E-04	4.97E-02	1.50E-02	5.34E-01
757	490186.72	3860385.12	3.68E-01	6.81E-04	4.78E-02	1.54E-02	4.31E-01	4.85E-01	6.53E+01	4.78E-01	7.86E-02	6.64E+01	4.71E-01	8.25E-04	4.78E-02	1.54E-02	5.35E-01
758	490236.72	3860385.12	3.66E-01	6.66E-04	4.53E-02	1.57E-02	4.28E-01	4.83E-01	6.39E+01	4.53E-01	8.02E-02	6.49E+01	4.69E-01	8.07E-04	4.53E-02	1.57E-02	5.31E-01
759	490286.72	3860385.12	3.60E-01	6.51E-04	4.20E-02	1.58E-02	4.19E-01	4.76E-01	6.25E+01	4.20E-01	8.08E-02	6.34E+01	4.62E-01	7.89E-04	4.20E-02	1.58E-02	5.20E-01
760	490336.72	3860385.12	3.51E-01	6.36E-04	4.30E-02	1.58E-02	4.10E-01	4.63E-01	6.10E+01	4.30E-01	8.06E-02	6.20E+01	4.50E-01	7.71E-04	4.30E-02	1.58E-02	5.09E-01
761	490386.72	3860385.12	3.38E-01	6.21E-04	4.45E-02	1.56E-02	3.99E-01	4.46E-01	5.95E+01	4.45E-01	7.97E-02	6.05E+01	4.33E-01	7.52E-04	4.45E-02	1.56E-02	4.94E-01
762	490436.72	3860385.12	3.22E-01	6.05E-04	4.56E-02	1.53E-02	3.84E-01	4.26E-01	5.80E+01	4.56E-01	7.84E-02	5.90E+01	4.13E-01	7.33E-04	4.56E-02	1.53E-02	4.75E-01
763	490486.72	3860385.12	3.04E-01	5.89E-04	4.63E-02	1.50E-02	3.66E-01	4.02E-01	5.65E+01	4.63E-01	7.68E-02	5.75E+01	3.90E-01	7.14E-04	4.63E-02	1.50E-02	4.52E-01
764	490536.72	3860385.12	2.84E-01	5.74E-04	4.64E-02	1.46E-02	3.46E-01	3.75E-01	5.50E+01	4.64E-01	7.46E-02	5.59E+01	3.64E-01	6.95E-04	4.64E-02	1.46E-02	4.26E-01
765	490586.72	3860385.12	2.63E-01	5.58E-04	4.62E-02	1.41E-02	3.24E-01	3.47E-01	5.35E+01	4.62E-01	7.21E-02	5.44E+01	3.37E-01	6.76E-04	4.62E-02	1.41E-02	3.98E-01
766	490636.72	3860385.12	2.46E-01	5.42E-04	4.55E-02	1.35E-02	3.05E-01	3.24E-01	5.20E+01	4.55E-01	6.92E-02	5.28E+01	3.15E-01	6.56E-04	4.55E-02	1.35E-02	3.75E-01
767	490686.72	3860385.12	2.49E-01	5.26E-04	4.46E-02	1.30E-02	3.07E-01	3.29E-01	5.05E+01	4.46E-01	6.66E-02	5.13E+01	3.19E-01	6.38E-04	4.46E-02	1.30E-02	3.78E-01
768	490736.72	3860385.12	2.49E-01	5.11E-04	4.53E-02	1.27E-02	3.08E-01	3.29E-01	4.90E+01	4.53E-01	6.50E-02	4.99E+01	3.20E-01	6.19E-04	4.53E-02	1.27E-02	3.78E-01
769	490786.72	3860385.12	2.47E-01	4.97E-04	4.55E-02	1.25E-02	3.05E-01	3.26E-01	4.77E+01	4.55E-01	6.38E-02	4.85E+01	3.16E-01	6.03E-04	4.55E-02	1.25E-02	3.75E-01
770	490136.72	3860435.12	3.53E-01	6.80E-04	5.00E-02	1.34E-02	4.17E-01	4.66E-01	6.52E+01	5.00E-01	6.86E-02	6.63E+01	4.52E-01	8.24E-04	5.00E-02	1.34E-02	5.17E-01
771	490186.72	3860435.12	3.59E-01	6.67E-04	4.92E-02	1.33E-02	4.22E-01	4.74E-01	6.40E+01	4.92E-01	6.81E-02	6.50E+01	4.60E-01	8.08E-04	4.92E-02	1.33E-02	5.24E-01
772	490236.72	3860435.12	3.61E-01	6.53E-04	4.73E-02	1.35E-02	4.23E-01	4.77E-01	6.27E+01	4.73E-01	6.91E-02	6.37E+01	4.63E-01	7.92E-04	4.73E-02	1.35E-02	5.25E-01
773	490286.72	3860435.12	3.60E-01	6.40E-04	4.47E-02	1.38E-02	4.19E-01	4.75E-01	6.13E+01	4.47E-01	7.07E-02	6.23E+01	4.61E-01	7.75E-04	4.47E-02	1.38E-02	5.20E-01
774	490336.72	3860435.12	3.54E-01	6.26E-04	4.14E-02	1.40E-02	4.10E-01	4.68E-01	6.00E+01	4.14E-01	7.16E-02	6.09E+01	4.54E-01	7.58E-04	4.14E-02	1.40E-02	5.10E-01
775	490386.72	3860435.12	3.45E-01	6.11E-04	4.30E-02	1.41E-02	4.03E-01	4.56E-01	5.86E+01	4.30E-01	7.22E-02	5.96E+01	4.42E-01	7.41E-04	4.30E-02	1.41E-02	5.00E-01
776	490436.72	3860435.12	3.33E-01	5.97E-04	4.44E-02	1.41E-02	3.92E-01	4.40E-01	5.72E+01	4.44E-01	7.23E-02	5.82E+01	4.27E-01	7.23E-04	4.44E-02	1.41E-02	4.86E-01
777	490486.72	3860435.12	3.18E-01	5.82E-04	4.55E-02	1.41E-02	3.78E-01	4.20E-01	5.58E+01	4.55E-01	7.19E-02	5.68E+01	4.07E-01	7.05E-04	4.55E-02	1.41E-02	4.67E-01
778	490536.72	3860435.12	3.00E-01	5.68E-04	4.61E-02	1.39E-02	3.61E-01	3.97E-01	5.44E+01	4.61E-01	7.12E-02	5.54E+01	3.85E-01	6.88E-04	4.61E-02	1.39E-02	4.46E-01
779	490586.72	3860435.12	2.81E-01	5.53E-04	4.62E-02	1.37E-02	3.41E-01	3.71E-01	5.30E+01	4.62E-01	6.98E-02	5.39E+01	3.60E-01	6.70E-04	4.62E-02	1.37E-02	4.21E-01
780	490636.72	3860435.12	2.60E-01	5.38E-04	4.60E-02	1.33E-02	3.20E-01	3.44E-01	5.16E+01	4.60E-01	6.81E-02	5.24E+01	3.33E-01	6.51E-04	4.60E-02	1.33E-02	3.93E-01
781	490686.72	3860435.12	2.41E-01	5.23E-04	4.53E-02	1.30E-02	3.00E-01	3.19E-01	5.02E+01	4.53E-01	6.64E-02	5.10E+01	3.09E-01	6.34E-04	4.53E-02	1.30E-02	3.68E-01
782	490736.72	3860435.12	2.45E-01	5.09E-04	4.43E-02	1.26E-02	3.03E-01	3.24E-01	4.88E+01	4.43E-01	6.46E-02	4.96E+01	3.14E-01	6.16E-04	4.43E-02	1.26E-02	3.72E-01
783	490786.72	3860435.12	2.46E-01	4.94E-04	4.45E-02	1.22E-02	3.03E-01	3.25E-01	4.74E+01	4.45E-01	6.22E-02	4.82E+01	3.15E-01	5.99E-04	4.45E-02	1.22E-02	3.73E-01
784	490136.72	3860485.12	3.38E-01	6.45E-04	4.99E-02	1.36E-02	4.02E-01	4.46E-01	6.18E+01	4.99E-01	6.96E-02	6.29E+01	4.33E-01	7.81E-04	4.99E-02	1.36E-02	4.98E-01
785	490186.72	3860485.12	3.47E-01	6.33E-04	4.98E-02	1.35E-02	4.11E-01	4.59E-01	6.07E+01	4.98E-01	6.91E-02	6.17E+01	4.45E-01	7.67E-04	4.98E-02	1.35E-02	5.09E-01
786	490236.72	3860485.12	3.53E-01	6.21E-04	4.87E-02	1.34E-02	4.16E-01	4.66E-01	5.96E+01	4.87E-01	6.85E-02	6.06E+01	4.52E-01	7.53E-04	4.87E-02	1.34E-02	5.15E-01
787	490286.72	3860485.12	3.55E-01	6.10E-04	4.68E-02	1.33E-02	4.16E-01	4.69E-01	5.85E+01	4.68E-01	6.79E-02	5.95E+01	4.55E-01	7.39E-04	4.68E-02	1.33E-02	5.16E-01
788	490336.72	3860485.12	3.53E-01	5.98E-04	4.40E-02	1.32E-02	4.11E-01	4.67E-01	5.73E+01	4.40E-01	6.72E-02	5.83E+01	4.53E-01	7.24E-04	4.40E-02	1.32E-02	5.11E-01
789	490386.72	3860485.12	3.48E-01	5.86E-04	4.11E-02	1.30E-02	4.03E-01	4.60E-01	5.62E+01	4.11E-01	6.65E-02	5.71E+01	4.47E-01	7.10E-04	4.11E-02	1.30E-02	5.01E-01

790	490436.72	3860485.12	3.40E-01	5.74E-04	4.30E-02	1.29E-02	3.96E-01	4.49E-01	5.50E+01	4.30E-01	6.58E-02	5.60E+01	4.36E-01	6.95E-04	4.30E-02	1.29E-02	4.93E-01
791	490486.72	3860485.12	3.28E-01	5.61E-04	4.43E-02	1.28E-02	3.86E-01	4.33E-01	5.38E+01	4.43E-01	6.51E-02	5.47E+01	4.21E-01	6.79E-04	4.43E-02	1.28E-02	4.78E-01
792	490536.72	3860485.12	3.13E-01	5.48E-04	4.53E-02	1.27E-02	3.72E-01	4.14E-01	5.25E+01	4.53E-01	6.50E-02	5.35E+01	4.02E-01	6.64E-04	4.53E-02	1.27E-02	4.60E-01
793	490586.72	3860485.12	2.96E-01	5.34E-04	4.59E-02	1.26E-02	3.55E-01	3.91E-01	5.13E+01	4.59E-01	6.46E-02	5.22E+01	3.80E-01	6.48E-04	4.59E-02	1.26E-02	4.39E-01
794	490636.72	3860485.12	2.78E-01	5.21E-04	4.60E-02	1.26E-02	3.37E-01	3.67E-01	5.00E+01	4.60E-01	6.42E-02	5.09E+01	3.56E-01	6.32E-04	4.60E-02	1.26E-02	4.15E-01
795	490686.72	3860485.12	2.57E-01	5.08E-04	4.57E-02	1.24E-02	3.16E-01	3.40E-01	4.87E+01	4.57E-01	6.31E-02	4.96E+01	3.30E-01	6.15E-04	4.57E-02	1.24E-02	3.89E-01
796	490736.72	3860485.12	2.37E-01	4.95E-04	4.51E-02	1.22E-02	2.95E-01	3.13E-01	4.75E+01	4.51E-01	6.22E-02	4.83E+01	3.04E-01	6.00E-04	4.51E-02	1.22E-02	3.62E-01
797	490786.72	3860485.12	2.41E-01	4.82E-04	4.42E-02	1.19E-02	2.98E-01	3.18E-01	4.62E+01	4.42E-01	6.09E-02	4.70E+01	3.09E-01	5.84E-04	4.42E-02	1.19E-02	3.66E-01
798	490136.72	3860535.12	3.20E-01	5.92E-04	4.90E-02	1.38E-02	3.84E-01	4.23E-01	5.68E+01	4.90E-01	7.06E-02	5.78E+01	4.11E-01	7.18E-04	4.90E-02	1.38E-02	4.74E-01
799	490186.72	3860535.12	3.33E-01	5.83E-04	5.01E-02	1.38E-02	3.98E-01	4.40E-01	5.59E+01	5.01E-01	7.03E-02	5.69E+01	4.27E-01	7.06E-04	5.01E-02	1.38E-02	4.92E-01
800	490236.72	3860535.12	3.41E-01	5.73E-04	4.94E-02	1.36E-02	4.05E-01	4.51E-01	5.50E+01	4.94E-01	6.96E-02	5.60E+01	4.38E-01	6.95E-04	4.94E-02	1.36E-02	5.01E-01
801	490286.72	3860535.12	3.47E-01	5.64E-04	4.81E-02	1.35E-02	4.09E-01	4.58E-01	5.41E+01	4.81E-01	6.89E-02	5.51E+01	4.44E-01	6.83E-04	4.81E-02	1.35E-02	5.07E-01
802	490336.72	3860535.12	3.49E-01	5.55E-04	4.61E-02	1.34E-02	4.09E-01	4.61E-01	5.32E+01	4.61E-01	6.83E-02	5.42E+01	4.47E-01	6.72E-04	4.61E-02	1.34E-02	5.08E-01
803	490386.72	3860535.12	3.48E-01	5.46E-04	4.36E-02	1.33E-02	4.05E-01	4.60E-01	5.23E+01	4.36E-01	6.77E-02	5.33E+01	4.46E-01	6.61E-04	4.36E-02	1.33E-02	5.04E-01
804	490436.72	3860535.12	3.43E-01	5.36E-04	4.12E-02	1.31E-02	3.98E-01	4.53E-01	5.14E+01	4.12E-01	6.70E-02	5.24E+01	4.40E-01	6.50E-04	4.12E-02	1.31E-02	4.95E-01
805	490486.72	3860535.12	3.35E-01	5.26E-04	4.29E-02	1.30E-02	3.91E-01	4.43E-01	5.05E+01	4.29E-01	6.62E-02	5.14E+01	4.30E-01	6.38E-04	4.29E-02	1.30E-02	4.86E-01
806	490536.72	3860535.12	3.25E-01	5.17E-04	4.44E-02	1.28E-02	3.83E-01	4.29E-01	4.96E+01	4.44E-01	6.56E-02	5.05E+01	4.16E-01	6.26E-04	4.44E-02	1.28E-02	4.74E-01
807	490586.72	3860535.12	3.09E-01	5.05E-04	4.51E-02	1.26E-02	3.67E-01	4.08E-01	4.84E+01	4.51E-01	6.44E-02	4.93E+01	3.96E-01	6.11E-04	4.51E-02	1.26E-02	4.55E-01
808	490636.72	3860535.12	2.93E-01	4.93E-04	4.56E-02	1.24E-02	3.51E-01	3.87E-01	4.73E+01	4.56E-01	6.34E-02	4.82E+01	3.75E-01	5.98E-04	4.56E-02	1.24E-02	4.34E-01
809	490686.72	3860535.12	2.75E-01	4.82E-04	4.58E-02	1.22E-02	3.33E-01	3.63E-01	4.62E+01	4.58E-01	6.25E-02	4.71E+01	3.52E-01	5.84E-04	4.58E-02	1.22E-02	4.11E-01
810	490736.72	3860535.12	2.55E-01	4.71E-04	4.55E-02	1.20E-02	3.13E-01	3.37E-01	4.51E+01	4.55E-01	6.15E-02	4.60E+01	3.27E-01	5.70E-04	4.55E-02	1.20E-02	3.85E-01
811	490786.72	3860535.12	2.35E-01	4.59E-04	4.49E-02	1.19E-02	2.92E-01	3.10E-01	4.40E+01	4.49E-01	6.06E-02	4.49E+01	3.01E-01	5.56E-04	4.49E-02	1.19E-02	3.58E-01
812	490136.72	3860585.12	3.01E-01	5.37E-04	4.78E-02	1.40E-02	3.64E-01	3.98E-01	5.15E+01	4.78E-01	7.16E-02	5.24E+01	3.86E-01	6.50E-04	4.78E-02	1.40E-02	4.49E-01
813	490186.72	3860585.12	3.14E-01	5.20E-04	4.85E-02	1.38E-02	3.77E-01	4.15E-01	4.98E+01	4.85E-01	7.07E-02	5.08E+01	4.02E-01	6.30E-04	4.85E-02	1.38E-02	4.65E-01
814	490236.72	3860585.12	3.26E-01	5.12E-04	4.92E-02	1.38E-02	3.90E-01	4.31E-01	4.91E+01	4.92E-01	7.04E-02	5.01E+01	4.18E-01	6.20E-04	4.92E-02	1.38E-02	4.82E-01
815	490286.72	3860585.12	3.35E-01	5.06E-04	4.89E-02	1.37E-02	3.99E-01	4.43E-01	4.85E+01	4.89E-01	6.99E-02	4.95E+01	4.30E-01	6.13E-04	4.89E-02	1.37E-02	4.93E-01
816	490336.72	3860585.12	3.41E-01	4.99E-04	4.76E-02	1.36E-02	4.03E-01	4.50E-01	4.79E+01	4.76E-01	6.93E-02	4.89E+01	4.37E-01	6.05E-04	4.76E-02	1.36E-02	4.99E-01
817	490386.72	3860585.12	3.43E-01	4.93E-04	4.55E-02	1.34E-02	4.03E-01	4.53E-01	4.73E+01	4.55E-01	6.87E-02	4.82E+01	4.40E-01	5.97E-04	4.55E-02	1.34E-02	4.99E-01
818	490436.72	3860585.12	3.43E-01	4.87E-04	4.33E-02	1.34E-02	4.00E-01	4.53E-01	4.67E+01	4.33E-01	6.83E-02	4.77E+01	4.40E-01	5.90E-04	4.33E-02	1.34E-02	4.97E-01
819	490486.72	3860585.12	3.40E-01	4.81E-04	4.13E-02	1.33E-02	3.95E-01	4.49E-01	4.61E+01	4.13E-01	6.77E-02	4.70E+01	4.35E-01	5.82E-04	4.13E-02	1.33E-02	4.91E-01
820	490536.72	3860585.12	3.31E-01	4.73E-04	4.29E-02	1.31E-02	3.88E-01	4.37E-01	4.54E+01	4.29E-01	6.68E-02	4.63E+01	4.25E-01	5.73E-04	4.29E-02	1.31E-02	4.81E-01
821	490586.72	3860585.12	3.18E-01	4.63E-04	4.39E-02	1.28E-02	3.75E-01	4.20E-01	4.44E+01	4.39E-01	6.56E-02	4.54E+01	4.08E-01	5.61E-04	4.39E-02	1.28E-02	4.65E-01
822	490636.72	3860585.12	3.05E-01	4.55E-04	4.49E-02	1.27E-02	3.63E-01	4.03E-01	4.36E+01	4.49E-01	6.47E-02	4.45E+01	3.91E-01	5.51E-04	4.49E-02	1.27E-02	4.49E-01
823	490686.72	3860585.12	2.89E-01	4.46E-04	4.54E-02	1.25E-02	3.47E-01	3.82E-01	4.28E+01	4.54E-01	6.38E-02	4.37E+01	3.70E-01	5.40E-04	4.54E-02	1.25E-02	4.29E-01
824	490736.72	3860585.12	2.71E-01	4.37E-04	4.55E-02	1.23E-02	3.30E-01	3.59E-01	4.19E+01	4.55E-01	6.29E-02	4.28E+01	3.48E-01	5.29E-04	4.55E-02	1.23E-02	4.06E-01
825	490786.72	3860585.12	2.52E-01	4.27E-04	4.53E-02	1.21E-02	3.10E-01	3.33E-01	4.10E+01	4.53E-01	6.19E-02	4.18E+01	3.24E-01	5.18E-04	4.53E-02	1.21E-02	3.82E-01
826	490136.72	3860635.12	2.82E-01	5.08E-04	4.98E-02	1.42E-02	3.46E-01	3.72E-01	4.88E+01	4.98E-01	7.24E-02	4.97E+01	3.61E-01	6.16E-04	4.98E-02	1.42E-02	4.26E-01
827	490186.72	3860635.12	2.97E-01	4.97E-04	4.80E-02	1.41E-02	3.59E-01	3.92E-01	4.77E+01	4.80E-01	7.19E-02	4.86E+01	3.81E-01	6.02E-04	4.80E-02	1.41E-02	4.43E-01
828	490236.72	3860635.12	3.10E-01	4.84E-04	4.87E-02	1.39E-02	3.73E-01	4.09E-01	4.64E+01	4.87E-01	7.12E-02	4.74E+01	3.97E-01	5.87E-04	4.87E-02	1.39E-02	4.60E-01
829	490286.72	3860635.12	3.21E-01	4.73E-04	4.89E-02	1.38E-02	3.84E-01	4.24E-01	4.53E+01	4.89E-01	7.07E-02	4.63E+01	4.11E-01	5.72E-04	4.89E-02	1.38E-02	4.75E-01
830	490336.72	3860635.12	3.30E-01	4.61E-04	4.84E-02	1.37E-02	3.92E-01	4.35E-01	4.42E+01	4.84E-01	7.02E-02	4.52E+01	4.23E-01	5.59E-04	4.84E-02	1.37E-02	4.85E-01
831	490386.72	3860635.12	3.35E-01	4.50E-04	4.71E-02	1.36E-02	3.96E-01	4.43E-01	4.32E+01	4.71E-01	6.97E-02	4.42E+01	4.30E-01	5.45E-04	4.71E-02	1.36E-02	4.91E-01
832	490436.72	3860635.12	3.37E-01	4.46E-04	4.49E-02	1.35E-02	3.96E-01	4.46E-01	4.27E+01	4.49E-01	6.90E-02	4.37E+01	4.33E-01	5.40E-04	4.49E-02	1.35E-02	4.92E-01
833	490486.72	3860635.12	3.36E-01	4.43E-04	4.23E-02	1.34E-02	3.93E-01	4.44E-01	4.25E+01	4.23E-01	6.84E-02	4.34E+01	4.31E-01	5.37E-04	4.23E-02	1.34E-02	4.88E-01
834	490536.72	3860635.12	3.33E-01	4.41E-04	4.10E-02	1.33E-02	3.87E-01	4.39E-01	4.23E+01	4.10E-01	6.77E-02	4.32E+01	4.26E-01	5.34E-04	4.10E-02	1.33E-02	4.81E-01
835	490586.72	3860635.12	3.24E-01	4.38E-04	4.25E-02	1.31E-02	3.80E-01	4.28E-01	4.20E+01	4.25E-01	6.68E-02	4.29E+01	4.16E-01	5.31E-04	4.25E-02	1.31E-02	4.72E-01
836	490636.72	3860635.12	3.14E-01	4.35E-04	4.38E-02	1.29E-02	3.71E-01	4.15E-01	4.17E+01	4.38E-01	6.60E-02	4.26E+01	4.03E-01	5.27E-04	4.38E-02	1.29E-02	4.60E-01
837	490686.72	3860635.12	3.01E-01	4.31E-04	4.46E-02	1.28E-02	3.59E-01	3.97E-01	4.14E+01	4.46E-01	6.51E-02	4.23E+01	3.86E-01	5.23E-04	4.46E-02	1.28E-02	4.44E-01
838	490736.72	3860635.12	2.85E-01	4.27E-04	4.51E-02	1.26E-02	3.43E-01	3.77E-01	4.10E+01	4.51E-01	6.42E-02	4.19E+01	3.66E-01	5.18E-04	4.51E-02	1.26E-02	4.24E-01
839	490786.72	3860635.12	2.68E-01	4.23E-04	4.52E-02	1.24E-02	3.26E-01	3.54E-01	4.06E+01	4.52E-01	6.33E-02	4.15E+01	3.44E-01	5.13E-04	4.52E-02	1.24E-02	4.02E-01
840	490136.72	3860685.12	2.60E-01	5.04E-04	5.27E-02	1.43E-02	3.27E-01	3.43E-01	4.83E+01	5.27E-01	7.32E-02	4.93E+01	3.33E-01	6.10E-04	5.27E-02	1.43E-02	4.00E-01
841	490186.72	3860685.12	2.79E-01	4.76E-04	4.89E-02	1.42E-02	3.42E-01	3.68E-01	4.57E+01	4.89E-01	7.27E-02	4.66E+01	3.57E-01	5.77E-04	4.89E-02	1.42E-02	4.21E-01
842	490236.72	3860685.12	2.93E-01	4.58E-04	4.82E-02	1.41E-02	3.55E-01	3.87E-01	4.39E+01	4.82E-01	7.22E-02	4.49E+01	3.75E-01	5.55E-04	4.82E-02	1.41E-02	4.38E-01
843	490286.72	3860685.12	3.04E-01	4.51E-04	4.83E-02	1.40E-02	3.67E-01	4.02E-01	4.33E+01	4.83E-01	7.13E-02	4.42E+01	3.90E-01	5.46E-04	4.83E-02	1.40E-02	4.53E-01
844	490336.72	3860685.12	3.16E-01	4.47E-04	4.87E-02	1.39E-02	3.79E-01	4.17E-01	4.29E+01	4.87E-01	7.10E-02	4.39E+01	4.05E-01	5.42E-04	4.87E-02	1.39E-02	4.68E-01
845	490386.72	3860685.12	3.24E-01	4.44E-04	4.80E-02	1.38E-02	3.87E-01	4.28E-01	4.26E+01	4.80E-01	7.05E-02	4.36E+01	4.16E-01	5.38E-04	4.80E-02	1.38E-02	4.78E-01
846	490436.72	3860685.12	3.29E-01	4.41E-04	4.64E-02	1.37E-02	3.90E-01	4.35E-01	4.23E+01	4.64E-01	6.99E-02	4.33E+01	4.22E-01	5.34E-04	4.64E-02	1.37E-02	4.83E-01
847	490486.72	3860685.12	3.31E-01	4.38E-04	4.42E-02	1.35E-02	3.89E-01	4.38E-01	4.20E+01	4.42E-01	6.92E-02	4.30E+01	4.25E-01	5.31E-04	4.42E-02	1.35E-02	4.83E-01
848	490536.72	3860685.12	3.30E-01	4.36E-04	4.15E-02	1.34E-02	3.86E-01	4.36E-01	4.18E+01	4.15E-01	6.85E-02	4.27E+01	4.24E-01	5.28E-04	4.15E-02	1.34E-02	4.79E-01
849	490586.72	3860685.12	3.26E-01	4.33E-04	4.07E-02	1.33E-02	3.81E-01	4.31E-01	4.15E+01	4.07E-01	6.78E-02	4.25E+01	4.18E-01	5.25E-04	4.07E-02	1.33E-02	4.73E-01
850	490636.72	3860685.12	3.19E-01	4.31E-04	4.23E-02	1.31E-02	3.75E-01	4.22E-01	4.13E+01	4.23E-01	6.71E-02	4.22E+01	4.10E-01	5.22E-04	4.23E-02	1.31E-02	4.66E-01

851	490686.72	3860685.12	3.10E-01	4.28E-04	4.36E-02	1.30E-02	3.67E-01	4.09E-01	4.10E+01	4.36E-01	6.64E-02	4.20E+01	3.97E-01	5.18E-04	4.36E-02	1.30E-02	4.54E-01
852	490736.72	3860685.12	2.97E-01	4.24E-04	4.44E-02	1.28E-02	3.55E-01	3.92E-01	4.07E+01	4.44E-01	6.55E-02	4.16E+01	3.81E-01	5.14E-04	4.44E-02	1.28E-02	4.38E-01
853	490786.72	3860685.12	2.83E-01	4.21E-04	4.49E-02	1.27E-02	3.41E-01	3.73E-01	4.04E+01	4.49E-01	6.47E-02	4.13E+01	3.62E-01	5.10E-04	4.49E-02	1.27E-02	4.20E-01
854	490136.72	3860735.12	2.40E-01	5.29E-04	5.42E-02	1.46E-02	3.09E-01	3.17E-01	5.08E+01	5.42E-01	7.45E-02	5.17E+01	3.08E-01	6.41E-04	5.42E-02	1.46E-02	3.77E-01
855	490186.72	3860735.12	2.54E-01	5.00E-04	5.00E-02	1.42E-02	3.18E-01	3.35E-01	4.80E+01	5.00E-01	7.24E-02	4.89E+01	3.25E-01	6.06E-04	5.00E-02	1.42E-02	3.90E-01
856	490236.72	3860735.12	2.71E-01	4.73E-04	4.55E-02	1.41E-02	3.31E-01	3.57E-01	4.54E+01	4.55E-01	7.18E-02	4.63E+01	3.47E-01	5.73E-04	4.55E-02	1.41E-02	4.07E-01
857	490286.72	3860735.12	2.86E-01	4.53E-04	4.72E-02	1.40E-02	3.48E-01	3.78E-01	4.35E+01	4.72E-01	7.17E-02	4.44E+01	3.67E-01	5.49E-04	4.72E-02	1.40E-02	4.28E-01
858	490336.72	3860735.12	2.99E-01	4.47E-04	4.81E-02	1.40E-02	3.62E-01	3.95E-01	4.29E+01	4.81E-01	7.14E-02	4.38E+01	3.84E-01	5.42E-04	4.81E-02	1.40E-02	4.46E-01
859	490386.72	3860735.12	3.11E-01	4.43E-04	4.82E-02	1.39E-02	3.73E-01	4.10E-01	4.25E+01	4.82E-01	7.11E-02	4.34E+01	3.98E-01	5.36E-04	4.82E-02	1.39E-02	4.61E-01
860	490436.72	3860735.12	3.20E-01	4.39E-04	4.79E-02	1.39E-02	3.82E-01	4.23E-01	4.21E+01	4.79E-01	7.09E-02	4.31E+01	4.10E-01	5.32E-04	4.79E-02	1.39E-02	4.72E-01
861	490486.72	3860735.12	3.25E-01	4.36E-04	4.61E-02	1.37E-02	3.85E-01	4.29E-01	4.18E+01	4.61E-01	7.02E-02	4.27E+01	4.16E-01	5.28E-04	4.61E-02	1.37E-02	4.76E-01
862	490536.72	3860735.12	3.26E-01	4.32E-04	4.35E-02	1.36E-02	3.83E-01	4.30E-01	4.14E+01	4.35E-01	6.93E-02	4.23E+01	4.17E-01	5.23E-04	4.35E-02	1.36E-02	4.75E-01
863	490586.72	3860735.12	3.25E-01	4.29E-04	4.08E-02	1.34E-02	3.79E-01	4.29E-01	4.11E+01	4.08E-01	6.86E-02	4.20E+01	4.16E-01	5.19E-04	4.08E-02	1.34E-02	4.71E-01
864	490636.72	3860735.12	3.21E-01	4.26E-04	4.05E-02	1.33E-02	3.75E-01	4.24E-01	4.09E+01	4.05E-01	6.80E-02	4.18E+01	4.11E-01	5.16E-04	4.05E-02	1.33E-02	4.65E-01
865	490686.72	3860735.12	3.14E-01	4.24E-04	4.21E-02	1.32E-02	3.70E-01	4.15E-01	4.06E+01	4.21E-01	6.74E-02	4.15E+01	4.03E-01	5.13E-04	4.21E-02	1.32E-02	4.59E-01
866	490736.72	3860735.12	3.05E-01	4.21E-04	4.33E-02	1.31E-02	3.62E-01	4.03E-01	4.04E+01	4.33E-01	6.67E-02	4.13E+01	3.92E-01	5.10E-04	4.33E-02	1.31E-02	4.48E-01
867	490136.72	3860785.12	2.34E-01	5.53E-04	5.56E-02	1.48E-02	3.05E-01	3.09E-01	5.30E+01	5.56E-01	7.56E-02	5.40E+01	3.00E-01	6.70E-04	5.56E-02	1.48E-02	3.71E-01
868	490186.72	3860785.12	2.35E-01	5.25E-04	5.24E-02	1.44E-02	3.02E-01	3.10E-01	5.03E+01	5.24E-01	7.38E-02	5.12E+01	3.01E-01	6.36E-04	5.24E-02	1.44E-02	3.69E-01
869	490236.72	3860785.12	2.50E-01	4.97E-04	4.84E-02	1.41E-02	3.13E-01	3.30E-01	4.77E+01	4.84E-01	7.19E-02	4.86E+01	3.20E-01	6.02E-04	4.84E-02	1.41E-02	3.83E-01
870	490286.72	3860785.12	2.66E-01	4.71E-04	4.54E-02	1.40E-02	3.26E-01	3.52E-01	4.52E+01	4.54E-01	7.15E-02	4.61E+01	3.41E-01	5.71E-04	4.54E-02	1.40E-02	4.01E-01
871	490336.72	3860785.12	2.81E-01	4.50E-04	4.69E-02	1.40E-02	3.42E-01	3.71E-01	4.31E+01	4.69E-01	7.14E-02	4.40E+01	3.60E-01	5.45E-04	4.69E-02	1.40E-02	4.22E-01
872	490386.72	3860785.12	2.95E-01	4.44E-04	4.79E-02	1.40E-02	3.57E-01	3.89E-01	4.26E+01	4.79E-01	7.14E-02	4.35E+01	3.78E-01	5.38E-04	4.79E-02	1.40E-02	4.40E-01
873	490436.72	3860785.12	3.05E-01	4.38E-04	4.77E-02	1.39E-02	3.67E-01	4.03E-01	4.21E+01	4.77E-01	7.11E-02	4.30E+01	3.91E-01	5.31E-04	4.77E-02	1.39E-02	4.54E-01
874	490486.72	3860785.12	3.14E-01	4.34E-04	4.71E-02	1.39E-02	3.75E-01	4.15E-01	4.17E+01	4.71E-01	7.08E-02	4.26E+01	4.03E-01	5.26E-04	4.71E-02	1.39E-02	4.64E-01
875	490536.72	3860785.12	3.19E-01	4.30E-04	4.53E-02	1.37E-02	3.78E-01	4.21E-01	4.12E+01	4.53E-01	7.02E-02	4.22E+01	4.09E-01	5.21E-04	4.53E-02	1.37E-02	4.68E-01
876	490586.72	3860785.12	3.20E-01	4.26E-04	4.27E-02	1.36E-02	3.77E-01	4.22E-01	4.08E+01	4.27E-01	6.94E-02	4.17E+01	4.10E-01	5.16E-04	4.27E-02	1.36E-02	4.67E-01
877	490636.72	3860785.12	3.19E-01	4.22E-04	4.00E-02	1.35E-02	3.73E-01	4.21E-01	4.05E+01	4.00E-01	6.87E-02	4.14E+01	4.09E-01	5.12E-04	4.00E-02	1.35E-02	4.63E-01
878	490686.72	3860785.12	3.15E-01	4.20E-04	4.03E-02	1.33E-02	3.69E-01	4.17E-01	4.02E+01	4.03E-01	6.81E-02	4.11E+01	4.04E-01	5.08E-04	4.03E-02	1.33E-02	4.59E-01
879	490736.72	3860785.12	3.10E-01	4.17E-04	4.18E-02	1.32E-02	3.65E-01	4.09E-01	4.00E+01	4.18E-01	6.75E-02	4.09E+01	3.97E-01	5.06E-04	4.18E-02	1.32E-02	4.52E-01
880	490086.72	3860835.12	2.27E-01	6.02E-04	5.80E-02	1.53E-02	3.01E-01	3.00E-01	5.78E+01	5.80E-01	7.84E-02	5.87E+01	2.91E-01	7.30E-04	5.80E-02	1.53E-02	3.65E-01
881	490136.72	3860835.12	2.27E-01	5.76E-04	5.69E-02	1.50E-02	2.99E-01	2.99E-01	5.52E+01	5.69E-01	7.69E-02	5.61E+01	2.90E-01	6.97E-04	5.69E-02	1.50E-02	3.63E-01
882	490186.72	3860835.12	2.30E-01	5.47E-04	5.43E-02	1.47E-02	2.99E-01	3.04E-01	5.25E+01	5.43E-01	7.51E-02	5.34E+01	2.95E-01	6.63E-04	5.43E-02	1.47E-02	3.64E-01
883	490236.72	3860835.12	2.31E-01	5.20E-04	5.09E-02	1.43E-02	2.97E-01	3.05E-01	4.99E+01	5.09E-01	7.32E-02	5.08E+01	2.96E-01	6.30E-04	5.09E-02	1.43E-02	3.62E-01
884	490286.72	3860835.12	2.46E-01	4.94E-04	4.69E-02	1.40E-02	3.07E-01	3.25E-01	4.74E+01	4.69E-01	7.14E-02	4.83E+01	3.15E-01	5.99E-04	4.69E-02	1.40E-02	3.77E-01
885	490336.72	3860835.12	2.62E-01	4.68E-04	4.53E-02	1.39E-02	3.22E-01	3.46E-01	4.49E+01	4.53E-01	7.11E-02	4.58E+01	3.36E-01	5.67E-04	4.53E-02	1.39E-02	3.96E-01
886	490386.72	3860835.12	2.76E-01	4.46E-04	4.67E-02	1.39E-02	3.37E-01	3.65E-01	4.28E+01	4.67E-01	7.11E-02	4.37E+01	3.54E-01	5.41E-04	4.67E-02	1.39E-02	4.15E-01
887	490436.72	3860835.12	2.89E-01	4.40E-04	4.73E-02	1.39E-02	3.51E-01	3.82E-01	4.22E+01	4.73E-01	7.11E-02	4.31E+01	3.71E-01	5.33E-04	4.73E-02	1.39E-02	4.33E-01
888	490486.72	3860835.12	3.00E-01	4.35E-04	4.72E-02	1.39E-02	3.62E-01	3.96E-01	4.17E+01	4.72E-01	7.09E-02	4.26E+01	3.85E-01	5.27E-04	4.72E-02	1.39E-02	4.46E-01
889	490536.72	3860835.12	3.08E-01	4.30E-04	4.62E-02	1.38E-02	3.68E-01	4.07E-01	4.12E+01	4.62E-01	7.05E-02	4.21E+01	3.95E-01	5.20E-04	4.62E-02	1.38E-02	4.55E-01
890	490586.72	3860835.12	3.13E-01	4.25E-04	4.44E-02	1.37E-02	3.71E-01	4.13E-01	4.07E+01	4.44E-01	7.00E-02	4.17E+01	4.01E-01	5.14E-04	4.44E-02	1.37E-02	4.59E-01
891	490636.72	3860835.12	3.14E-01	4.20E-04	4.21E-02	1.36E-02	3.71E-01	4.15E-01	4.03E+01	4.21E-01	6.94E-02	4.12E+01	4.03E-01	5.09E-04	4.21E-02	1.36E-02	4.59E-01
892	490686.72	3860835.12	3.14E-01	4.17E-04	3.95E-02	1.35E-02	3.67E-01	4.15E-01	4.00E+01	3.95E-01	6.88E-02	4.09E+01	4.02E-01	5.05E-04	3.95E-02	1.35E-02	4.56E-01
893	490736.72	3860835.12	3.11E-01	4.15E-04	4.01E-02	1.34E-02	3.65E-01	4.11E-01	3.98E+01	4.01E-01	6.83E-02	4.06E+01	3.99E-01	5.02E-04	4.01E-02	1.34E-02	4.53E-01
894	490086.72	3860885.12	2.37E-01	6.18E-04	5.79E-02	1.55E-02	3.11E-01	3.12E-01	5.93E+01	5.79E-01	7.92E-02	6.03E+01	3.03E-01	7.49E-04	5.79E-02	1.55E-02	3.77E-01
895	490136.72	3860885.12	2.22E-01	5.93E-04	5.74E-02	1.52E-02	2.95E-01	2.93E-01	5.68E+01	5.74E-01	7.77E-02	5.78E+01	2.84E-01	7.18E-04	5.74E-02	1.52E-02	3.58E-01
896	490186.72	3860885.12	2.23E-01	5.66E-04	5.58E-02	1.49E-02	2.94E-01	2.95E-01	5.43E+01	5.58E-01	7.61E-02	5.53E+01	2.86E-01	6.86E-04	5.58E-02	1.49E-02	3.57E-01
897	490236.72	3860885.12	2.26E-01	5.41E-04	5.31E-02	1.46E-02	2.95E-01	2.99E-01	5.19E+01	5.31E-01	7.45E-02	5.28E+01	2.90E-01	6.55E-04	5.31E-02	1.46E-02	3.58E-01
898	490286.72	3860885.12	2.27E-01	5.15E-04	4.96E-02	1.42E-02	2.91E-01	3.00E-01	4.94E+01	4.96E-01	7.27E-02	5.03E+01	2.91E-01	6.24E-04	4.96E-02	1.42E-02	3.56E-01
899	490336.72	3860885.12	2.42E-01	4.89E-04	4.54E-02	1.39E-02	3.02E-01	3.20E-01	4.69E+01	4.54E-01	7.09E-02	4.78E+01	3.11E-01	5.93E-04	4.54E-02	1.39E-02	3.70E-01
900	490386.72	3860885.12	2.58E-01	4.65E-04	4.53E-02	1.38E-02	3.18E-01	3.41E-01	4.46E+01	4.53E-01	7.07E-02	4.55E+01	3.31E-01	5.64E-04	4.53E-02	1.38E-02	3.91E-01
901	490436.72	3860885.12	2.72E-01	4.44E-04	4.66E-02	1.39E-02	3.33E-01	3.60E-01	4.25E+01	4.66E-01	7.08E-02	4.34E+01	3.49E-01	5.37E-04	4.66E-02	1.39E-02	4.10E-01
902	490486.72	3860885.12	2.85E-01	4.37E-04	4.70E-02	1.39E-02	3.46E-01	3.76E-01	4.19E+01	4.70E-01	7.08E-02	4.28E+01	3.65E-01	5.29E-04	4.70E-02	1.39E-02	4.27E-01
903	490536.72	3860885.12	2.95E-01	4.31E-04	4.66E-02	1.38E-02	3.56E-01	3.90E-01	4.13E+01	4.66E-01	7.06E-02	4.22E+01	3.78E-01	5.22E-04	4.66E-02	1.38E-02	4.39E-01
904	490586.72	3860885.12	3.02E-01	4.25E-04	4.55E-02	1.38E-02	3.62E-01	3.99E-01	4.08E+01	4.55E-01	7.03E-02	4.17E+01	3.88E-01	5.15E-04	4.55E-02	1.38E-02	4.47E-01
905	490636.72	3860885.12	3.07E-01	4.20E-04	4.37E-02	1.37E-02	3.65E-01	4.06E-01	4.03E+01	4.37E-01	6.98E-02	4.12E+01	3.94E-01	5.09E-04	4.37E-02	1.37E-02	4.52E-01
906	490686.72	3860885.12	3.09E-01	4.16E-04	4.15E-02	1.36E-02	3.65E-01	4.09E-01	3.99E+01	4.15E-01	6.93E-02	4.08E+01	3.97E-01	5.04E-04	4.15E-02	1.36E-02	4.52E-01
907	490736.72	3860885.12	3.09E-01	4.12E-04	3.89E-02	1.35E-02	3.62E-01	4.08E-01	3.95E+01	3.89E-01	6.88E-02	4.04E+01	3.96E-01	4.99E-04	3.89E-02	1.35E-02	4.49E-01
908	490086.72	3860935.12	2.44E-01	6.27E-04	5.70E-02	1.56E-02	3.17E-01	3.22E-01	6.01E+01	5.70E-01	7.95E-02	6.11E+01	3.12E-01	7.60E-04	5.70E-02	1.56E-02	3.86E-01
909	490136.72	3860935.12	2.31E-01	6.02E-04	5.72E-02	1.53E-02	3.04E-01	3.05E-01	5.78E+01	5.72E-01	7.82E-02	5.87E+01	2.96E-01	7.30E-04	5.72E-02	1.53E-02	3.69E-01
910	490186.72	3860935.12	2.16E-01	5.79E-04	5.65E-02	1.50E-02	2.88E-01	2.86E-01	5.56E+01	5.65E-01	7.69E-02	5.65E+01	2.77E-01	7.02E-04	5.65E-02	1.50E-02	3.49E-01
911	490236.72	3860935.12	2.20E-01	5.56E-04	5.46E-02	1.48E-02	2.90E-01	2.90E-01	5.33E+01	5.46E-01	7.54E-02	5.42E+01	2.82E-01	6.73E-04	5.46E-02	1.48E-02	3.52E-01

912	490286.72	3860935.12	2.23E-01	5.32E-04	5.19E-02	1.45E-02	2.90E-01	2.94E-01	5.11E+01	5.19E-01	7.39E-02	5.19E+01	2.86E-01	6.45E-04	5.19E-02	1.45E-02	3.53E-01
913	490336.72	3860935.12	2.23E-01	5.08E-04	4.82E-02	1.41E-02	2.86E-01	2.95E-01	4.87E+01	4.82E-01	7.22E-02	4.96E+01	2.86E-01	6.15E-04	4.82E-02	1.41E-02	3.49E-01
914	490386.72	3860935.12	2.39E-01	4.85E-04	4.42E-02	1.38E-02	2.98E-01	3.16E-01	4.65E+01	4.42E-01	7.05E-02	4.73E+01	3.07E-01	5.87E-04	4.42E-02	1.38E-02	3.65E-01
915	490436.72	3860935.12	2.55E-01	4.62E-04	4.54E-02	1.37E-02	3.14E-01	3.36E-01	4.43E+01	4.54E-01	7.02E-02	4.52E+01	3.26E-01	5.60E-04	4.54E-02	1.37E-02	3.86E-01
916	490486.72	3860935.12	2.68E-01	4.40E-04	4.63E-02	1.38E-02	3.29E-01	3.54E-01	4.22E+01	4.63E-01	7.03E-02	4.31E+01	3.44E-01	5.33E-04	4.63E-02	1.38E-02	4.05E-01
917	490536.72	3860935.12	2.80E-01	4.33E-04	4.66E-02	1.38E-02	3.41E-01	3.70E-01	4.15E+01	4.66E-01	7.04E-02	4.24E+01	3.59E-01	5.25E-04	4.66E-02	1.38E-02	4.20E-01
918	490586.72	3860935.12	2.90E-01	4.27E-04	4.60E-02	1.37E-02	3.50E-01	3.83E-01	4.09E+01	4.60E-01	7.02E-02	4.18E+01	3.72E-01	5.17E-04	4.60E-02	1.37E-02	4.32E-01
919	490636.72	3860935.12	2.97E-01	4.21E-04	4.48E-02	1.37E-02	3.56E-01	3.93E-01	4.04E+01	4.48E-01	7.00E-02	4.13E+01	3.81E-01	5.10E-04	4.48E-02	1.37E-02	4.40E-01
920	490686.72	3860935.12	3.02E-01	4.16E-04	4.31E-02	1.36E-02	3.59E-01	3.99E-01	3.99E+01	4.31E-01	6.96E-02	4.08E+01	3.87E-01	5.04E-04	4.31E-02	1.36E-02	4.44E-01
921	490736.72	3860935.12	3.04E-01	4.11E-04	4.08E-02	1.36E-02	3.59E-01	4.02E-01	3.95E+01	4.08E-01	6.92E-02	4.03E+01	3.90E-01	4.98E-04	4.08E-02	1.36E-02	4.45E-01
922	490786.72	3860935.12	3.04E-01	4.07E-04	3.82E-02	1.35E-02	3.56E-01	4.01E-01	3.91E+01	3.82E-01	6.88E-02	3.99E+01	3.90E-01	4.94E-04	3.82E-02	1.35E-02	4.42E-01
923	490836.72	3860935.12	3.01E-01	4.05E-04	3.96E-02	1.34E-02	3.55E-01	3.98E-01	3.88E+01	3.96E-01	6.83E-02	3.97E+01	3.86E-01	4.90E-04	3.96E-02	1.34E-02	4.40E-01
924	490086.72	3860985.12	2.49E-01	6.33E-04	5.56E-02	1.56E-02	3.21E-01	3.29E-01	6.07E+01	5.56E-01	7.96E-02	6.16E+01	3.19E-01	7.67E-04	5.56E-02	1.56E-02	3.91E-01
925	490136.72	3860985.12	2.39E-01	6.10E-04	5.68E-02	1.54E-02	3.11E-01	3.15E-01	5.85E+01	5.68E-01	7.86E-02	5.95E+01	3.06E-01	7.39E-04	5.68E-02	1.54E-02	3.79E-01
926	490186.72	3860985.12	2.26E-01	5.89E-04	5.69E-02	1.52E-02	2.99E-01	2.99E-01	5.65E+01	5.69E-01	7.75E-02	5.74E+01	2.90E-01	7.13E-04	5.69E-02	1.52E-02	3.63E-01
927	490236.72	3860985.12	2.12E-01	5.66E-04	5.56E-02	1.49E-02	2.83E-01	2.79E-01	5.43E+01	5.56E-01	7.61E-02	5.52E+01	2.71E-01	6.86E-04	5.56E-02	1.49E-02	3.42E-01
928	490286.72	3860985.12	2.16E-01	5.44E-04	5.35E-02	1.46E-02	2.85E-01	2.86E-01	5.22E+01	5.35E-01	7.47E-02	5.31E+01	2.77E-01	6.59E-04	5.35E-02	1.46E-02	3.46E-01
929	490336.72	3860985.12	2.19E-01	5.22E-04	5.05E-02	1.43E-02	2.85E-01	2.90E-01	5.01E+01	5.05E-01	7.32E-02	5.09E+01	2.81E-01	6.32E-04	5.05E-02	1.43E-02	3.46E-01
930	490386.72	3860985.12	2.20E-01	5.00E-04	4.69E-02	1.40E-02	2.81E-01	2.90E-01	4.80E+01	4.69E-01	7.17E-02	4.88E+01	2.82E-01	6.06E-04	4.69E-02	1.40E-02	3.43E-01
931	490436.72	3860985.12	2.36E-01	4.79E-04	4.38E-02	1.37E-02	2.94E-01	3.12E-01	4.60E+01	4.38E-01	7.01E-02	4.68E+01	3.03E-01	5.80E-04	4.38E-02	1.37E-02	3.61E-01
932	490486.72	3860985.12	2.51E-01	4.57E-04	4.53E-02	1.36E-02	3.10E-01	3.31E-01	4.38E+01	4.53E-01	6.95E-02	4.47E+01	3.22E-01	5.54E-04	4.53E-02	1.36E-02	3.81E-01
933	490536.72	3860985.12	2.64E-01	4.35E-04	4.60E-02	1.36E-02	3.24E-01	3.49E-01	4.17E+01	4.60E-01	6.97E-02	4.26E+01	3.39E-01	5.27E-04	4.60E-02	1.36E-02	3.99E-01
934	490586.72	3860985.12	2.76E-01	4.28E-04	4.61E-02	1.37E-02	3.36E-01	3.64E-01	4.11E+01	4.61E-01	6.98E-02	4.20E+01	3.53E-01	5.19E-04	4.61E-02	1.37E-02	4.14E-01
935	490636.72	3860985.12	2.85E-01	4.22E-04	4.55E-02	1.37E-02	3.45E-01	3.77E-01	4.05E+01	4.55E-01	6.98E-02	4.14E+01	3.66E-01	5.12E-04	4.55E-02	1.37E-02	4.25E-01
936	490686.72	3860985.12	2.92E-01	4.17E-04	4.42E-02	1.36E-02	3.51E-01	3.86E-01	4.00E+01	4.42E-01	6.96E-02	4.08E+01	3.75E-01	5.05E-04	4.42E-02	1.36E-02	4.33E-01
937	490736.72	3860985.12	2.97E-01	4.11E-04	4.24E-02	1.36E-02	3.53E-01	3.92E-01	3.95E+01	4.24E-01	6.93E-02	4.03E+01	3.81E-01	4.98E-04	4.24E-02	1.36E-02	4.37E-01
938	490786.72	3860985.12	2.99E-01	4.07E-04	4.02E-02	1.35E-02	3.54E-01	3.95E-01	3.90E+01	4.02E-01	6.90E-02	3.99E+01	3.84E-01	4.93E-04	4.02E-02	1.35E-02	4.38E-01
939	490836.72	3860985.12	2.99E-01	4.03E-04	3.78E-02	1.34E-02	3.51E-01	3.95E-01	3.87E+01	3.78E-01	6.87E-02	3.95E+01	3.84E-01	4.89E-04	3.78E-02	1.34E-02	4.36E-01
940	490086.72	3861035.12	2.51E-01	6.35E-04	5.38E-02	1.55E-02	3.21E-01	3.32E-01	6.09E+01	5.38E-01	7.93E-02	6.19E+01	3.22E-01	7.70E-04	5.38E-02	1.55E-02	3.92E-01
941	490136.72	3861035.12	2.44E-01	6.14E-04	5.57E-02	1.54E-02	3.16E-01	3.22E-01	5.89E+01	5.57E-01	7.86E-02	5.98E+01	3.13E-01	7.44E-04	5.57E-02	1.54E-02	3.85E-01
942	490186.72	3861035.12	2.34E-01	5.93E-04	5.65E-02	1.52E-02	3.06E-01	3.09E-01	5.69E+01	5.65E-01	7.77E-02	5.78E+01	3.00E-01	7.18E-04	5.65E-02	1.52E-02	3.72E-01
943	490236.72	3861035.12	2.21E-01	5.73E-04	5.62E-02	1.50E-02	2.93E-01	2.92E-01	5.49E+01	5.62E-01	7.67E-02	5.59E+01	2.84E-01	6.94E-04	5.62E-02	1.50E-02	3.55E-01
944	490286.72	3861035.12	2.09E-01	5.52E-04	5.47E-02	1.48E-02	2.79E-01	2.76E-01	5.29E+01	5.47E-01	7.54E-02	5.38E+01	2.68E-01	6.68E-04	5.47E-02	1.48E-02	3.38E-01
945	490336.72	3861035.12	2.13E-01	5.31E-04	5.23E-02	1.45E-02	2.81E-01	2.82E-01	5.09E+01	5.23E-01	7.40E-02	5.18E+01	2.73E-01	6.43E-04	5.23E-02	1.45E-02	3.41E-01
946	490386.72	3861035.12	2.16E-01	5.12E-04	4.94E-02	1.42E-02	2.80E-01	2.85E-01	4.91E+01	4.94E-01	7.27E-02	4.99E+01	2.77E-01	6.20E-04	4.94E-02	1.42E-02	3.41E-01
947	490436.72	3861035.12	2.17E-01	4.92E-04	4.58E-02	1.40E-02	2.78E-01	2.87E-01	4.72E+01	4.58E-01	7.13E-02	4.80E+01	2.79E-01	5.96E-04	4.58E-02	1.40E-02	3.39E-01
948	490486.72	3861035.12	2.33E-01	4.72E-04	4.38E-02	1.36E-02	2.91E-01	3.08E-01	4.52E+01	4.38E-01	6.97E-02	4.60E+01	2.99E-01	5.71E-04	4.38E-02	1.36E-02	3.57E-01
949	490536.72	3861035.12	2.47E-01	4.51E-04	4.51E-02	1.35E-02	3.06E-01	3.27E-01	4.32E+01	4.51E-01	6.87E-02	4.41E+01	3.17E-01	5.46E-04	4.51E-02	1.35E-02	3.76E-01
950	490586.72	3861035.12	2.60E-01	4.30E-04	4.57E-02	1.35E-02	3.20E-01	3.44E-01	4.12E+01	4.57E-01	6.90E-02	4.21E+01	3.34E-01	5.21E-04	4.57E-02	1.35E-02	3.93E-01
951	490636.72	3861035.12	2.71E-01	4.23E-04	4.56E-02	1.35E-02	3.31E-01	3.58E-01	4.06E+01	4.56E-01	6.92E-02	4.15E+01	3.48E-01	5.13E-04	4.56E-02	1.35E-02	4.08E-01
952	490686.72	3861035.12	2.81E-01	4.17E-04	4.49E-02	1.36E-02	3.39E-01	3.71E-01	4.00E+01	4.49E-01	6.92E-02	4.09E+01	3.60E-01	5.05E-04	4.49E-02	1.36E-02	4.19E-01
953	490736.72	3861035.12	2.88E-01	4.12E-04	4.36E-02	1.35E-02	3.45E-01	3.80E-01	3.95E+01	4.36E-01	6.91E-02	4.04E+01	3.69E-01	4.99E-04	4.36E-02	1.35E-02	4.26E-01
954	490786.72	3861035.12	2.92E-01	4.07E-04	4.18E-02	1.35E-02	3.48E-01	3.86E-01	3.90E+01	4.18E-01	6.90E-02	3.99E+01	3.75E-01	4.93E-04	4.18E-02	1.35E-02	4.31E-01
955	490836.72	3861035.12	2.95E-01	4.03E-04	3.97E-02	1.35E-02	3.48E-01	3.90E-01	3.87E+01	3.97E-01	6.88E-02	3.95E+01	3.78E-01	4.88E-04	3.97E-02	1.35E-02	4.32E-01
956	490086.72	3861085.12	2.52E-01	6.37E-04	5.17E-02	1.54E-02	3.20E-01	3.33E-01	6.11E+01	5.17E-01	7.87E-02	6.20E+01	3.23E-01	7.72E-04	5.17E-02	1.54E-02	3.91E-01
957	490136.72	3861085.12	2.47E-01	6.17E-04	5.43E-02	1.53E-02	3.18E-01	3.27E-01	5.91E+01	5.43E-01	7.84E-02	6.01E+01	3.17E-01	7.47E-04	5.43E-02	1.53E-02	3.88E-01
958	490186.72	3861085.12	2.40E-01	5.98E-04	5.60E-02	1.52E-02	3.12E-01	3.17E-01	5.73E+01	5.60E-01	7.79E-02	5.83E+01	3.08E-01	7.24E-04	5.60E-02	1.52E-02	3.80E-01
959	490236.72	3861085.12	2.29E-01	5.77E-04	5.63E-02	1.51E-02	3.01E-01	3.03E-01	5.53E+01	5.63E-01	7.69E-02	5.63E+01	2.94E-01	6.99E-04	5.63E-02	1.51E-02	3.66E-01
960	490286.72	3861085.12	2.16E-01	5.57E-04	5.55E-02	1.49E-02	2.87E-01	2.86E-01	5.34E+01	5.55E-01	7.59E-02	5.43E+01	2.78E-01	6.75E-04	5.55E-02	1.49E-02	3.49E-01
961	490336.72	3861085.12	2.06E-01	5.37E-04	5.38E-02	1.46E-02	2.75E-01	2.72E-01	5.15E+01	5.38E-01	7.47E-02	5.24E+01	2.64E-01	6.51E-04	5.38E-02	1.46E-02	3.33E-01
962	490386.72	3861085.12	2.11E-01	5.19E-04	5.14E-02	1.44E-02	2.77E-01	2.78E-01	4.98E+01	5.14E-01	7.35E-02	5.07E+01	2.70E-01	6.29E-04	5.14E-02	1.44E-02	3.37E-01
963	490436.72	3861085.12	2.13E-01	5.00E-04	4.82E-02	1.41E-02	2.76E-01	2.81E-01	4.80E+01	4.82E-01	7.22E-02	4.88E+01	2.73E-01	6.06E-04	4.82E-02	1.41E-02	3.36E-01
964	490486.72	3861085.12	2.14E-01	4.82E-04	4.44E-02	1.38E-02	2.73E-01	2.83E-01	4.62E+01	4.44E-01	7.07E-02	4.70E+01	2.75E-01	5.83E-04	4.44E-02	1.38E-02	3.34E-01
965	490536.72	3861085.12	2.30E-01	4.63E-04	4.38E-02	1.36E-02	2.88E-01	3.04E-01	4.44E+01	4.38E-01	6.92E-02	4.52E+01	2.95E-01	5.61E-04	4.38E-02	1.36E-02	3.53E-01
966	490586.72	3861085.12	2.44E-01	4.43E-04	4.49E-02	1.33E-02	3.02E-01	3.22E-01	4.25E+01	4.49E-01	6.79E-02	4.34E+01	3.12E-01	5.37E-04	4.49E-02	1.33E-02	3.71E-01
967	490636.72	3861085.12	2.56E-01	4.23E-04	4.53E-02	1.34E-02	3.15E-01	3.38E-01	4.06E+01	4.53E-01	6.82E-02	4.15E+01	3.28E-01	5.13E-04	4.53E-02	1.34E-02	3.87E-01
968	490686.72	3861085.12	2.67E-01	4.17E-04	4.51E-02	1.34E-02	3.26E-01	3.53E-01	4.00E+01	4.51E-01	6.84E-02	4.08E+01	3.42E-01	5.05E-04	4.51E-02	1.34E-02	4.01E-01
969	490736.72	3861085.12	2.76E-01	4.12E-04	4.44E-02	1.34E-02	3.34E-01	3.65E-01	3.95E+01	4.44E-01	6.86E-02	4.03E+01	3.54E-01	4.99E-04	4.44E-02	1.34E-02	4.12E-01
970	490786.72	3861085.12	2.83E-01	4.07E-04	4.31E-02	1.34E-02	3.40E-01	3.74E-01	3.90E+01	4.31E-01	6.87E-02	3.99E+01	3.63E-01	4.93E-04	4.31E-02	1.34E-02	4.20E-01
971	490836.72	3861085.12	2.88E-01	4.02E-04	4.13E-02	1.34E-02	3.43E-01	3.80E-01	3.86E+01	4.13E-01	6.86E-02	3.95E+01	3.69E-01	4.88E-04	4.13E-02	1.34E-02	4.24E-01
972	490086.72	3861135.12	2.50E-01	6.37E-04	4.92E-02	1.52E-02	3.15E-01	3.30E-01	6.11E+01	4.92E-01	7.78E-02	6.20E+01	3.21E-01	7.72E-04	4.92E-02	1.52E-02	3.86E-01

973	490136.72	3861135.12	2.48E-01	6.17E-04	5.23E-02	1.52E-02	3.16E-01	3.28E-01	5.92E+01	5.23E-01	7.77E-02	6.01E+01	3.18E-01	7.47E-04	5.23E-02	1.52E-02	3.86E-01
974	490186.72	3861135.12	2.43E-01	5.98E-04	5.46E-02	1.52E-02	3.14E-01	3.21E-01	5.73E+01	5.46E-01	7.74E-02	5.83E+01	3.12E-01	7.24E-04	5.46E-02	1.52E-02	3.82E-01
975	490236.72	3861135.12	2.35E-01	5.79E-04	5.58E-02	1.51E-02	3.07E-01	3.11E-01	5.55E+01	5.58E-01	7.69E-02	5.65E+01	3.02E-01	7.01E-04	5.58E-02	1.51E-02	3.73E-01
976	490286.72	3861135.12	2.25E-01	5.60E-04	5.58E-02	1.49E-02	2.96E-01	2.97E-01	5.37E+01	5.58E-01	7.61E-02	5.46E+01	2.88E-01	6.79E-04	5.58E-02	1.49E-02	3.60E-01
977	490336.72	3861135.12	2.12E-01	5.41E-04	5.48E-02	1.47E-02	2.82E-01	2.80E-01	5.19E+01	5.48E-01	7.51E-02	5.28E+01	2.72E-01	6.56E-04	5.48E-02	1.47E-02	3.42E-01
978	490386.72	3861135.12	2.04E-01	5.24E-04	5.30E-02	1.45E-02	2.72E-01	2.69E-01	5.02E+01	5.30E-01	7.41E-02	5.11E+01	2.61E-01	6.34E-04	5.30E-02	1.45E-02	3.29E-01
979	490436.72	3861135.12	2.08E-01	5.06E-04	5.03E-02	1.43E-02	2.73E-01	2.75E-01	4.85E+01	5.03E-01	7.29E-02	4.94E+01	2.67E-01	6.13E-04	5.03E-02	1.43E-02	3.32E-01
980	490486.72	3861135.12	2.10E-01	4.88E-04	4.70E-02	1.40E-02	2.71E-01	2.77E-01	4.68E+01	4.70E-01	7.16E-02	4.77E+01	2.69E-01	5.92E-04	4.70E-02	1.40E-02	3.31E-01
981	490536.72	3861135.12	2.12E-01	4.71E-04	4.32E-02	1.37E-02	2.69E-01	2.80E-01	4.52E+01	4.32E-01	7.02E-02	4.59E+01	2.72E-01	5.70E-04	4.32E-02	1.37E-02	3.29E-01
982	490586.72	3861135.12	2.27E-01	4.53E-04	4.37E-02	1.35E-02	2.84E-01	2.99E-01	4.34E+01	4.37E-01	6.87E-02	4.42E+01	2.90E-01	5.49E-04	4.37E-02	1.35E-02	3.48E-01
983	490636.72	3861135.12	2.40E-01	4.34E-04	4.46E-02	1.31E-02	2.98E-01	3.17E-01	4.16E+01	4.46E-01	6.71E-02	4.25E+01	3.08E-01	5.26E-04	4.46E-02	1.31E-02	3.66E-01
984	490686.72	3861135.12	2.52E-01	4.16E-04	4.49E-02	1.32E-02	3.11E-01	3.33E-01	3.99E+01	4.49E-01	6.74E-02	4.08E+01	3.23E-01	5.04E-04	4.49E-02	1.32E-02	3.82E-01
985	490736.72	3861135.12	2.63E-01	4.10E-04	4.47E-02	1.33E-02	3.22E-01	3.48E-01	3.94E+01	4.47E-01	6.78E-02	4.02E+01	3.37E-01	4.97E-04	4.47E-02	1.33E-02	3.96E-01
986	490786.72	3861135.12	2.72E-01	4.06E-04	4.39E-02	1.33E-02	3.30E-01	3.59E-01	3.89E+01	4.39E-01	6.80E-02	3.98E+01	3.49E-01	4.92E-04	4.39E-02	1.33E-02	4.07E-01
987	490836.72	3861135.12	2.79E-01	4.01E-04	4.25E-02	1.33E-02	3.35E-01	3.68E-01	3.85E+01	4.25E-01	6.81E-02	3.94E+01	3.58E-01	4.86E-04	4.25E-02	1.33E-02	4.14E-01
988	490086.72	3861185.12	2.46E-01	6.37E-04	4.64E-02	1.50E-02	3.09E-01	3.26E-01	6.11E+01	4.64E-01	7.67E-02	6.20E+01	3.16E-01	7.72E-04	4.64E-02	1.50E-02	3.78E-01
989	490136.72	3861185.12	2.46E-01	6.16E-04	4.99E-02	1.50E-02	3.12E-01	3.26E-01	5.90E+01	4.99E-01	7.67E-02	5.99E+01	3.16E-01	7.46E-04	4.99E-02	1.50E-02	3.82E-01
990	490186.72	3861185.12	2.44E-01	5.96E-04	5.27E-02	1.50E-02	3.12E-01	3.22E-01	5.72E+01	5.27E-01	7.66E-02	5.81E+01	3.13E-01	7.22E-04	5.27E-02	1.50E-02	3.81E-01
991	490236.72	3861185.12	2.39E-01	5.78E-04	5.45E-02	1.49E-02	3.09E-01	3.15E-01	5.54E+01	5.45E-01	7.64E-02	5.63E+01	3.06E-01	7.00E-04	5.45E-02	1.49E-02	3.76E-01
992	490286.72	3861185.12	2.31E-01	5.61E-04	5.54E-02	1.49E-02	3.02E-01	3.05E-01	5.38E+01	5.54E-01	7.60E-02	5.47E+01	2.96E-01	6.79E-04	5.54E-02	1.49E-02	3.67E-01
993	490336.72	3861185.12	2.20E-01	5.41E-04	5.50E-02	1.47E-02	2.90E-01	2.90E-01	5.19E+01	5.50E-01	7.51E-02	5.28E+01	2.82E-01	6.56E-04	5.50E-02	1.47E-02	3.52E-01
994	490386.72	3861185.12	2.07E-01	5.25E-04	5.38E-02	1.45E-02	2.76E-01	2.73E-01	5.03E+01	5.38E-01	7.43E-02	5.12E+01	2.65E-01	6.36E-04	5.38E-02	1.45E-02	3.34E-01
995	490436.72	3861185.12	2.01E-01	5.09E-04	5.19E-02	1.44E-02	2.68E-01	2.66E-01	4.88E+01	5.19E-01	7.34E-02	4.96E+01	2.58E-01	6.16E-04	5.19E-02	1.44E-02	3.25E-01
996	490486.72	3861185.12	2.05E-01	4.92E-04	4.91E-02	1.41E-02	2.69E-01	2.71E-01	4.72E+01	4.91E-01	7.23E-02	4.80E+01	2.63E-01	5.96E-04	4.91E-02	1.41E-02	3.27E-01
997	490536.72	3861185.12	2.07E-01	4.77E-04	4.59E-02	1.39E-02	2.68E-01	2.74E-01	4.57E+01	4.59E-01	7.12E-02	4.65E+01	2.66E-01	5.78E-04	4.59E-02	1.39E-02	3.26E-01
998	490586.72	3861185.12	2.09E-01	4.60E-04	4.22E-02	1.37E-02	2.66E-01	2.76E-01	4.41E+01	4.22E-01	6.98E-02	4.49E+01	2.68E-01	5.57E-04	4.22E-02	1.37E-02	3.25E-01
999	490636.72	3861185.12	2.23E-01	4.42E-04	4.35E-02	1.33E-02	2.80E-01	2.95E-01	4.24E+01	4.35E-01	6.82E-02	4.32E+01	2.86E-01	5.35E-04	4.35E-02	1.33E-02	3.43E-01
1000	490686.72	3861185.12	2.36E-01	4.25E-04	4.43E-02	1.31E-02	2.94E-01	3.12E-01	4.08E+01	4.43E-01	6.67E-02	4.16E+01	3.03E-01	5.15E-04	4.43E-02	1.31E-02	3.61E-01
1001	490736.72	3861185.12	2.49E-01	4.09E-04	4.47E-02	1.30E-02	3.07E-01	3.29E-01	3.92E+01	4.47E-01	6.65E-02	4.01E+01	3.19E-01	4.96E-04	4.47E-02	1.30E-02	3.77E-01
1002	490786.72	3861185.12	2.59E-01	4.03E-04	4.44E-02	1.31E-02	3.17E-01	3.43E-01	3.87E+01	4.44E-01	6.70E-02	3.95E+01	3.33E-01	4.89E-04	4.44E-02	1.31E-02	3.91E-01
1003	490836.72	3861185.12	2.68E-01	3.99E-04	4.35E-02	1.32E-02	3.25E-01	3.54E-01	3.83E+01	4.35E-01	6.73E-02	3.92E+01	3.44E-01	4.84E-04	4.35E-02	1.32E-02	4.01E-01
1004	490086.72	3861235.12	2.41E-01	6.36E-04	4.35E-02	1.53E-02	3.00E-01	3.18E-01	6.10E+01	4.35E-01	7.83E-02	6.19E+01	3.09E-01	7.71E-04	4.35E-02	1.53E-02	3.68E-01
1005	490136.72	3861235.12	2.43E-01	6.15E-04	4.74E-02	1.48E-02	3.06E-01	3.21E-01	5.90E+01	4.74E-01	7.55E-02	5.99E+01	3.12E-01	7.46E-04	4.74E-02	1.48E-02	3.75E-01
1006	490186.72	3861235.12	2.43E-01	5.96E-04	5.06E-02	1.48E-02	3.09E-01	3.21E-01	5.72E+01	5.06E-01	7.57E-02	5.81E+01	3.12E-01	7.22E-04	5.06E-02	1.48E-02	3.78E-01
1007	490236.72	3861235.12	2.40E-01	5.77E-04	5.29E-02	1.48E-02	3.08E-01	3.17E-01	5.53E+01	5.29E-01	7.56E-02	5.62E+01	3.08E-01	6.99E-04	5.29E-02	1.48E-02	3.76E-01
1008	490386.72	3861235.12	2.15E-01	5.24E-04	5.42E-02	1.45E-02	2.84E-01	2.84E-01	5.03E+01	5.42E-01	7.42E-02	5.12E+01	2.76E-01	6.35E-04	5.42E-02	1.45E-02	3.45E-01
1009	490436.72	3861235.12	2.02E-01	5.08E-04	5.28E-02	1.44E-02	2.70E-01	2.67E-01	4.87E+01	5.28E-01	7.34E-02	4.96E+01	2.59E-01	6.15E-04	5.28E-02	1.44E-02	3.27E-01
1010	490486.72	3861235.12	1.98E-01	4.92E-04	5.06E-02	1.42E-02	2.63E-01	2.62E-01	4.72E+01	5.06E-01	7.25E-02	4.80E+01	2.54E-01	5.96E-04	5.06E-02	1.42E-02	3.19E-01
1011	490536.72	3861235.12	2.02E-01	4.79E-04	4.80E-02	1.40E-02	2.65E-01	2.67E-01	4.59E+01	4.80E-01	7.17E-02	4.68E+01	2.59E-01	5.80E-04	4.80E-02	1.40E-02	3.22E-01
1012	490586.72	3861235.12	2.04E-01	4.65E-04	4.47E-02	1.38E-02	2.63E-01	2.70E-01	4.46E+01	4.47E-01	7.07E-02	4.54E+01	2.62E-01	5.63E-04	4.47E-02	1.38E-02	3.21E-01
1013	490636.72	3861235.12	2.06E-01	4.47E-04	4.20E-02	1.35E-02	2.62E-01	2.72E-01	4.29E+01	4.20E-01	6.91E-02	4.36E+01	2.64E-01	5.41E-04	4.20E-02	1.35E-02	3.20E-01
1014	490686.72	3861235.12	2.20E-01	4.31E-04	4.33E-02	1.33E-02	2.77E-01	2.91E-01	4.14E+01	4.33E-01	6.77E-02	4.22E+01	2.82E-01	5.23E-04	4.33E-02	1.33E-02	3.39E-01
1015	490736.72	3861235.12	2.34E-01	4.17E-04	4.41E-02	1.30E-02	2.91E-01	3.08E-01	4.00E+01	4.41E-01	6.64E-02	4.08E+01	2.99E-01	5.05E-04	4.41E-02	1.30E-02	3.57E-01
1016	490786.72	3861235.12	2.46E-01	4.02E-04	4.44E-02	1.29E-02	3.03E-01	3.24E-01	3.85E+01	4.44E-01	6.57E-02	3.94E+01	3.15E-01	4.87E-04	4.44E-02	1.29E-02	3.73E-01
1017	490836.72	3861235.12	2.56E-01	3.95E-04	4.40E-02	1.30E-02	3.13E-01	3.38E-01	3.79E+01	4.40E-01	6.62E-02	3.88E+01	3.28E-01	4.79E-04	4.40E-02	1.30E-02	3.85E-01
1018	490086.72	3861285.12	2.34E-01	6.37E-04	4.22E-02	1.60E-02	2.93E-01	3.09E-01	6.11E+01	4.22E-01	8.15E-02	6.19E+01	3.00E-01	7.71E-04	4.22E-02	1.60E-02	3.59E-01
1019	490136.72	3861285.12	2.39E-01	6.18E-04	4.49E-02	1.51E-02	3.00E-01	3.16E-01	5.93E+01	4.49E-01	7.73E-02	6.01E+01	3.06E-01	7.49E-04	4.49E-02	1.51E-02	3.67E-01
1020	490186.72	3861285.12	2.41E-01	5.97E-04	4.83E-02	1.46E-02	3.04E-01	3.18E-01	5.73E+01	4.83E-01	7.45E-02	5.81E+01	3.08E-01	7.23E-04	4.83E-02	1.46E-02	3.72E-01
1021	490236.72	3861285.12	2.40E-01	5.78E-04	5.11E-02	1.46E-02	3.06E-01	3.17E-01	5.54E+01	5.11E-01	7.47E-02	5.63E+01	3.07E-01	7.00E-04	5.11E-02	1.46E-02	3.74E-01
1022	490386.72	3861285.12	2.21E-01	5.25E-04	5.43E-02	1.45E-02	2.91E-01	2.93E-01	5.03E+01	5.43E-01	7.40E-02	5.12E+01	2.84E-01	6.36E-04	5.43E-02	1.45E-02	3.53E-01
1023	490436.72	3861285.12	2.11E-01	5.09E-04	5.36E-02	1.44E-02	2.79E-01	2.78E-01	4.88E+01	5.36E-01	7.35E-02	4.97E+01	2.70E-01	6.17E-04	5.36E-02	1.44E-02	3.39E-01
1024	490486.72	3861285.12	1.98E-01	4.93E-04	5.19E-02	1.42E-02	2.65E-01	2.61E-01	4.73E+01	5.19E-01	7.27E-02	4.82E+01	2.54E-01	5.98E-04	5.19E-02	1.42E-02	3.20E-01
1025	490536.72	3861285.12	1.96E-01	4.79E-04	4.96E-02	1.41E-02	2.60E-01	2.59E-01	4.59E+01	4.96E-01	7.19E-02	4.67E+01	2.51E-01	5.80E-04	4.96E-02	1.41E-02	3.15E-01
1026	490586.72	3861285.12	1.99E-01	4.65E-04	4.67E-02	1.39E-02	2.60E-01	2.63E-01	4.46E+01	4.67E-01	7.10E-02	4.54E+01	2.55E-01	5.63E-04	4.67E-02	1.39E-02	3.17E-01
1027	490636.72	3861285.12	2.00E-01	4.49E-04	4.30E-02	1.37E-02	2.57E-01	2.64E-01	4.31E+01	4.30E-01	6.98E-02	4.38E+01	2.57E-01	5.44E-04	4.30E-02	1.37E-02	3.14E-01
1028	490686.72	3861285.12	2.03E-01	4.35E-04	4.19E-02	1.34E-02	2.59E-01	2.69E-01	4.17E+01	4.19E-01	6.86E-02	4.24E+01	2.61E-01	5.27E-04	4.19E-02	1.34E-02	3.17E-01
1029	490736.72	3861285.12	2.18E-01	4.22E-04	4.33E-02	1.32E-02	2.75E-01	2.88E-01	4.05E+01	4.33E-01	6.74E-02	4.13E+01	2.79E-01	5.11E-04	4.33E-02	1.32E-02	3.36E-01
1030	490786.72	3861285.12	2.31E-01	4.08E-04	4.39E-02	1.29E-02	2.88E-01	3.04E-01	3.91E+01	4.39E-01	6.61E-02	3.99E+01	2.96E-01	4.94E-04	4.39E-02	1.29E-02	3.53E-01
1031	490836.72	3861285.12	2.42E-01	3.93E-04	4.39E-02	1.26E-02	2.99E-01	3.19E-01	3.77E+01	4.39E-01	6.46E-02	3.85E+01	3.10E-01	4.76E-04	4.39E-02	1.26E-02	3.67E-01
1032	490061.24	3859716.13	3.04E-01	6.49E-04	5.60E-02	1.12E-02	3.71E-01	4.01E-01	6.22E+01	5.60E-01	5.70E-02	6.33E+01	3.89E-01	7.86E-04	5.60E-02	1.12E-02	4.57E-01
1033	490111.24	3859716.13	2.99E-01	6.43E-04	5.48E-02	1.11E-02	3.66E-01	3.95E-01	6.16E+01	5.48E-01	5.67E-02	6.26E+01	3.84E-01	7.79E-04	5.48E-02	1.11E-02	4.50E-01

1034	490161.24	3859716.13	2.94E-01	6.37E-04	5.53E-02	1.10E-02	3.61E-01	3.89E-01	6.10E+01	5.53E-01	5.63E-02	6.20E+01	3.77E-01	7.71E-04	5.53E-02	1.10E-02	4.45E-01
1035	490211.24	3859716.13	2.90E-01	6.29E-04	5.57E-02	1.10E-02	3.58E-01	3.84E-01	6.04E+01	5.57E-01	5.60E-02	6.13E+01	3.72E-01	7.62E-04	5.57E-02	1.10E-02	4.40E-01
1036	490061.24	3859766.13	3.01E-01	6.28E-04	5.57E-02	1.10E-02	3.69E-01	3.98E-01	6.02E+01	5.57E-01	5.63E-02	6.12E+01	3.86E-01	7.61E-04	5.57E-02	1.10E-02	4.54E-01
1037	490111.24	3859766.13	2.97E-01	6.24E-04	5.55E-02	1.09E-02	3.64E-01	3.92E-01	5.98E+01	5.55E-01	5.59E-02	6.09E+01	3.81E-01	7.56E-04	5.55E-02	1.09E-02	4.48E-01
1038	490161.24	3859766.13	2.92E-01	6.20E-04	5.42E-02	1.09E-02	3.58E-01	3.86E-01	5.94E+01	5.42E-01	5.56E-02	6.04E+01	3.75E-01	7.51E-04	5.42E-02	1.09E-02	4.41E-01
1039	490211.24	3859766.13	2.88E-01	6.14E-04	5.40E-02	1.08E-02	3.53E-01	3.80E-01	5.89E+01	5.40E-01	5.52E-02	5.99E+01	3.69E-01	7.44E-04	5.40E-02	1.08E-02	4.35E-01
1040	490061.24	3859816.13	2.99E-01	6.31E-04	5.37E-02	1.20E-02	3.65E-01	3.95E-01	6.05E+01	5.37E-01	6.14E-02	6.15E+01	3.84E-01	7.65E-04	5.37E-02	1.20E-02	4.50E-01
1041	490111.24	3859816.13	2.96E-01	6.19E-04	5.47E-02	1.17E-02	3.63E-01	3.91E-01	5.93E+01	5.47E-01	5.95E-02	6.03E+01	3.79E-01	7.50E-04	5.47E-02	1.17E-02	4.46E-01
1042	490161.24	3859816.13	2.90E-01	6.08E-04	5.47E-02	1.13E-02	3.57E-01	3.83E-01	5.83E+01	5.47E-01	5.78E-02	5.93E+01	3.72E-01	7.37E-04	5.47E-02	1.13E-02	4.39E-01
1043	490211.24	3859816.13	2.86E-01	5.97E-04	5.36E-02	1.10E-02	3.51E-01	3.78E-01	5.73E+01	5.36E-01	5.61E-02	5.82E+01	3.66E-01	7.23E-04	5.36E-02	1.10E-02	4.32E-01
1044	490061.24	3859866.13	2.96E-01	6.40E-04	5.04E-02	1.57E-02	3.62E-01	3.90E-01	6.14E+01	5.04E-01	8.01E-02	6.24E+01	3.79E-01	7.76E-04	5.04E-02	1.57E-02	4.46E-01
1045	490111.24	3859866.13	2.94E-01	6.27E-04	5.26E-02	1.51E-02	3.62E-01	3.88E-01	6.01E+01	5.26E-01	7.71E-02	6.11E+01	3.77E-01	7.60E-04	5.26E-02	1.51E-02	4.45E-01
1046	490161.24	3859866.13	2.92E-01	6.13E-04	5.38E-02	1.45E-02	3.61E-01	3.86E-01	5.88E+01	5.38E-01	7.43E-02	5.98E+01	3.74E-01	7.43E-04	5.38E-02	1.45E-02	4.43E-01
1047	490211.24	3859866.13	2.86E-01	6.00E-04	5.40E-02	1.40E-02	3.54E-01	3.77E-01	5.75E+01	5.40E-01	7.17E-02	5.85E+01	3.66E-01	7.27E-04	5.40E-02	1.40E-02	4.35E-01
1048	490061.24	3859916.13	3.19E-01	6.54E-04	4.62E-02	1.87E-02	3.84E-01	4.21E-01	6.27E+01	4.62E-01	9.56E-02	6.37E+01	4.09E-01	7.92E-04	4.62E-02	1.87E-02	4.74E-01
1049	490111.24	3859916.13	2.90E-01	6.42E-04	4.94E-02	1.81E-02	3.58E-01	3.84E-01	6.16E+01	4.94E-01	9.23E-02	6.26E+01	3.72E-01	7.78E-04	4.94E-02	1.81E-02	4.41E-01
1050	490161.24	3859916.13	2.89E-01	6.31E-04	5.16E-02	1.74E-02	3.59E-01	3.82E-01	6.05E+01	5.16E-01	8.90E-02	6.15E+01	3.71E-01	7.64E-04	5.16E-02	1.74E-02	4.41E-01
1051	490211.24	3859916.13	2.88E-01	6.18E-04	5.28E-02	1.68E-02	3.58E-01	3.80E-01	5.93E+01	5.28E-01	8.59E-02	6.03E+01	3.69E-01	7.49E-04	5.28E-02	1.68E-02	4.39E-01
1052	490229.25	3859815.26	2.85E-01	5.94E-04	5.31E-02	1.08E-02	3.49E-01	3.76E-01	5.70E+01	5.31E-01	5.54E-02	5.79E+01	3.65E-01	7.20E-04	5.31E-02	1.08E-02	4.29E-01
1053	490279.25	3859815.26	2.80E-01	5.89E-04	5.30E-02	1.06E-02	3.44E-01	3.70E-01	5.65E+01	5.30E-01	5.39E-02	5.75E+01	3.59E-01	7.14E-04	5.30E-02	1.06E-02	4.24E-01
1054	490329.25	3859815.26	2.77E-01	5.85E-04	5.35E-02	1.05E-02	3.41E-01	3.66E-01	5.61E+01	5.35E-01	5.36E-02	5.70E+01	3.55E-01	7.08E-04	5.35E-02	1.05E-02	4.20E-01
1055	490379.25	3859815.26	2.83E-01	5.79E-04	5.37E-02	1.04E-02	3.48E-01	3.74E-01	5.55E+01	5.37E-01	5.34E-02	5.65E+01	3.63E-01	7.02E-04	5.37E-02	1.04E-02	4.28E-01
1056	490429.25	3859815.26	2.88E-01	5.73E-04	5.37E-02	1.04E-02	3.53E-01	3.80E-01	5.49E+01	5.37E-01	5.31E-02	5.59E+01	3.69E-01	6.94E-04	5.37E-02	1.04E-02	4.34E-01
1057	490229.25	3859865.26	2.82E-01	5.94E-04	5.38E-02	1.38E-02	3.51E-01	3.73E-01	5.70E+01	5.38E-01	7.05E-02	5.80E+01	3.62E-01	7.20E-04	5.38E-02	1.38E-02	4.30E-01
1058	490279.25	3859865.26	2.78E-01	5.80E-04	5.26E-02	1.33E-02	3.45E-01	3.68E-01	5.57E+01	5.26E-01	6.80E-02	5.66E+01	3.57E-01	7.03E-04	5.26E-02	1.33E-02	4.23E-01
1059	490329.25	3859865.26	2.74E-01	5.66E-04	5.18E-02	1.28E-02	3.39E-01	3.62E-01	5.43E+01	5.18E-01	6.56E-02	5.52E+01	3.52E-01	6.86E-04	5.18E-02	1.28E-02	4.17E-01
1060	490379.25	3859865.26	2.70E-01	5.59E-04	5.24E-02	1.24E-02	3.36E-01	3.57E-01	5.36E+01	5.24E-01	6.34E-02	5.45E+01	3.47E-01	6.77E-04	5.24E-02	1.24E-02	4.12E-01
1061	490429.25	3859865.26	2.76E-01	5.54E-04	5.27E-02	1.20E-02	3.41E-01	3.64E-01	5.31E+01	5.27E-01	6.14E-02	5.40E+01	3.54E-01	6.71E-04	5.27E-02	1.20E-02	4.19E-01
1062	490229.25	3859915.26	2.86E-01	6.13E-04	5.31E-02	1.66E-02	3.57E-01	3.78E-01	5.88E+01	5.31E-01	8.45E-02	5.98E+01	3.67E-01	7.42E-04	5.31E-02	1.66E-02	4.37E-01
1063	490279.25	3859915.26	2.79E-01	5.99E-04	5.29E-02	1.60E-02	3.49E-01	3.69E-01	5.75E+01	5.29E-01	8.15E-02	5.84E+01	3.58E-01	7.26E-04	5.29E-02	1.60E-02	4.27E-01
1064	490329.25	3859915.26	2.72E-01	5.84E-04	5.19E-02	1.54E-02	3.40E-01	3.59E-01	5.60E+01	5.19E-01	7.86E-02	5.70E+01	3.49E-01	7.08E-04	5.19E-02	1.54E-02	4.17E-01
1065	490379.25	3859915.26	2.68E-01	5.68E-04	5.07E-02	1.48E-02	3.35E-01	3.55E-01	5.45E+01	5.07E-01	7.58E-02	5.55E+01	3.44E-01	6.89E-04	5.07E-02	1.48E-02	4.10E-01
1066	490429.25	3859915.26	2.65E-01	5.52E-04	5.13E-02	1.43E-02	3.31E-01	3.50E-01	5.29E+01	5.13E-01	7.32E-02	5.39E+01	3.39E-01	6.69E-04	5.13E-02	1.43E-02	4.06E-01
1067	490451.43	3859872.59	2.76E-01	5.48E-04	5.25E-02	1.22E-02	3.41E-01	3.65E-01	5.26E+01	5.25E-01	6.22E-02	5.35E+01	3.54E-01	6.64E-04	5.25E-02	1.22E-02	4.19E-01
1068	490501.43	3859872.59	2.81E-01	5.42E-04	5.25E-02	1.18E-02	3.46E-01	3.71E-01	5.20E+01	5.25E-01	6.03E-02	5.30E+01	3.60E-01	6.57E-04	5.25E-02	1.18E-02	4.25E-01
1069	490551.43	3859872.59	2.85E-01	5.36E-04	5.24E-02	1.15E-02	3.49E-01	3.76E-01	5.14E+01	5.24E-01	5.85E-02	5.23E+01	3.65E-01	6.49E-04	5.24E-02	1.15E-02	4.30E-01
1070	490601.43	3859872.59	2.87E-01	5.28E-04	5.21E-02	1.11E-02	3.51E-01	3.79E-01	5.06E+01	5.21E-01	5.69E-02	5.16E+01	3.68E-01	6.39E-04	5.21E-02	1.11E-02	4.32E-01
1071	490451.43	3859922.59	2.63E-01	5.46E-04	5.12E-02	1.44E-02	3.29E-01	3.47E-01	5.23E+01	5.12E-01	7.36E-02	5.33E+01	3.37E-01	6.61E-04	5.12E-02	1.44E-02	4.03E-01
1072	490501.43	3859922.59	2.69E-01	5.28E-04	5.15E-02	1.39E-02	3.35E-01	3.55E-01	5.06E+01	5.15E-01	7.10E-02	5.15E+01	3.45E-01	6.39E-04	5.15E-02	1.39E-02	4.11E-01
1073	490551.43	3859922.59	2.74E-01	5.16E-04	5.17E-02	1.34E-02	3.40E-01	3.62E-01	4.95E+01	5.17E-01	6.87E-02	5.04E+01	3.52E-01	6.25E-04	5.17E-02	1.34E-02	4.17E-01
1074	490601.43	3859922.59	2.78E-01	5.10E-04	5.17E-02	1.30E-02	3.44E-01	3.68E-01	4.89E+01	5.17E-01	6.65E-02	4.99E+01	3.57E-01	6.18E-04	5.17E-02	1.30E-02	4.22E-01
1075	482129.67	3852241.07	5.14E-01	1.38E-04	1.90E-02	7.60E-03	5.41E-01	6.79E-01	1.33E+01	1.90E-01	3.88E-02	1.42E+01	6.59E-01	1.67E-04	1.90E-02	7.60E-03	6.86E-01
1076	482029.67	3852291.07	5.02E-01	1.38E-04	2.10E-02	7.05E-03	5.30E-01	6.63E-01	1.32E+01	2.10E-01	3.60E-02	1.41E+01	6.43E-01	1.67E-04	2.10E-02	7.05E-03	6.72E-01
1077	482079.67	3852291.07	5.16E-01	1.39E-04	2.04E-02	7.32E-03	5.44E-01	6.82E-01	1.33E+01	2.04E-01	3.74E-02	1.42E+01	6.62E-01	1.68E-04	2.04E-02	7.32E-03	6.90E-01
1078	482129.67	3852291.07	5.23E-01	1.39E-04	1.98E-02	7.57E-03	5.51E-01	6.91E-01	1.33E+01	1.98E-01	3.87E-02	1.43E+01	6.71E-01	1.69E-04	1.98E-02	7.57E-03	6.99E-01
1079	482179.67	3852291.07	5.23E-01	1.38E-04	1.92E-02	7.81E-03	5.50E-01	6.91E-01	1.33E+01	1.92E-01	3.99E-02	1.42E+01	6.71E-01	1.68E-04	1.92E-02	7.81E-03	6.98E-01
1080	482229.67	3852291.07	5.16E-01	1.36E-04	1.85E-02	8.02E-03	5.42E-01	6.81E-01	1.31E+01	1.85E-01	4.10E-02	1.40E+01	6.61E-01	1.65E-04	1.85E-02	8.02E-03	6.88E-01
1081	482029.67	3852341.07	4.90E-01	1.39E-04	2.17E-02	7.01E-03	5.19E-01	6.47E-01	1.33E+01	2.17E-01	3.58E-02	1.42E+01	6.28E-01	1.68E-04	2.17E-02	7.01E-03	6.57E-01
1082	482079.67	3852341.07	5.12E-01	1.39E-04	2.12E-02	7.28E-03	5.40E-01	6.76E-01	1.33E+01	2.12E-01	3.72E-02	1.43E+01	6.56E-01	1.69E-04	2.12E-02	7.28E-03	6.84E-01
1083	482129.67	3852341.07	5.26E-01	1.40E-04	2.06E-02	7.54E-03	5.54E-01	6.95E-01	1.34E+01	2.06E-01	3.85E-02	1.44E+01	6.74E-01	1.70E-04	2.06E-02	7.54E-03	7.02E-01
1084	482179.67	3852341.07	5.33E-01	1.40E-04	2.00E-02	7.79E-03	5.61E-01	7.04E-01	1.34E+01	2.00E-01	3.98E-02	1.44E+01	6.84E-01	1.70E-04	2.00E-02	7.79E-03	7.12E-01
1085	482259.06	3852400.14	5.42E-01	1.46E-04	2.00E-02	8.14E-03	5.70E-01	7.16E-01	1.40E+01	2.00E-01	4.16E-02	1.49E+01	6.95E-01	1.77E-04	2.00E-02	8.14E-03	7.23E-01
1086	482309.06	3852400.14	5.39E-01	1.41E-04	1.93E-02	8.34E-03	5.67E-01	7.13E-01	1.35E+01	1.93E-01	4.26E-02	1.45E+01	6.92E-01	1.71E-04	1.93E-02	8.34E-03	7.19E-01
1087	482209.06	3852450.14	5.37E-01	1.47E-04	2.14E-02	7.89E-03	5.67E-01	7.10E-01	1.41E+01	2.14E-01	4.03E-02	1.51E+01	6.89E-01	1.79E-04	2.14E-02	7.89E-03	7.18E-01
1088	482259.06	3852450.14	5.49E-01	1.48E-04	2.08E-02	8.13E-03	5.78E-01	7.25E-01	1.42E+01	2.08E-01	4.15E-02	1.52E+01	7.04E-01	1.79E-04	2.08E-02	8.13E-03	7.33E-01
1089	482309.06	3852450.14	5.54E-01	1.44E-04	2.02E-02	8.34E-03	5.83E-01	7.32E-01	1.38E+01	2.02E-01	4.26E-02	1.47E+01	7.10E-01	1.74E-04	2.02E-02	8.34E-03	7.39E-01
1090	482209.06	3852500.14	5.29E-01	1.48E-04	2.22E-02	7.87E-03	5.59E-01	6.99E-01	1.42E+01	2.22E-01	4.02E-02	1.52E+01	6.78E-01	1.79E-04	2.22E-02	7.87E-03	7.09E-01
1091	482259.06	3852500.14	5.49E-01	1.49E-04	2.17E-02	8.12E-03	5.79E-01	7.25E-01	1.43E+01	2.17E-01	4.15E-02	1.53E+01	7.04E-01	1.81E-04	2.17E-02	8.12E-03	7.34E-01
1092	482309.06	3852500.14	5.61E-01	1.47E-04	2.10E-02	8.34E-03	5.91E-01	7.42E-01	1.41E+01	2.10E-01	4.26E-02	1.51E+01	7.20E-01	1.78E-04	2.10E-02	8.34E-03	7.49E-01
1093	482283.91	3852513.62	5.56E-01	1.50E-04	2.16E-02	8.23E-03	5.86E-01	7.34E-01	1.43E+01	2.16E-01	4.20E-02	1.53E+01	7.12E-01	1.81E-04	2.16E-02	8.23E-03	7.42E-01
1094	482333.91	3852513.62	5.65E-01	1.47E-04	2.10E-02	8.44E-03	5.95E-01	7.47E-01	1.41E+01	2.10E-01	4.31E-02	1.51E+01	7.25E-01	1.78E-04	2.10E-02	8.44E-03	7.54E-01

1095	482283.91	3852563.62	5.48E-01	1.52E-04	2.24E-02	8.22E-03	5.79E-01	7.24E-01	1.46E+01	2.24E-01	4.20E-02	1.56E+01	7.03E-01	1.84E-04	2.24E-02	8.22E-03	7.33E-01
1096	482333.91	3852563.62	5.66E-01	1.51E-04	2.18E-02	8.45E-03	5.96E-01	7.48E-01	1.45E+01	2.18E-01	4.31E-02	1.55E+01	7.26E-01	1.83E-04	2.18E-02	8.45E-03	7.56E-01
1097	482383.91	3852563.62	5.75E-01	1.48E-04	2.12E-02	8.65E-03	6.04E-01	7.59E-01	1.42E+01	2.12E-01	4.42E-02	1.52E+01	7.37E-01	1.79E-04	2.12E-02	8.65E-03	7.67E-01
1098	482283.91	3852613.62	5.35E-01	1.52E-04	2.32E-02	8.21E-03	5.67E-01	7.07E-01	1.46E+01	2.32E-01	4.19E-02	1.56E+01	6.86E-01	1.85E-04	2.32E-02	8.21E-03	7.18E-01
1099	482333.91	3852613.62	5.60E-01	1.53E-04	2.26E-02	8.44E-03	5.91E-01	7.39E-01	1.47E+01	2.26E-01	4.31E-02	1.57E+01	7.18E-01	1.86E-04	2.26E-02	8.44E-03	7.49E-01
1100	482383.91	3852613.62	5.76E-01	1.52E-04	2.20E-02	8.66E-03	6.07E-01	7.61E-01	1.45E+01	2.20E-01	4.42E-02	1.56E+01	7.39E-01	1.84E-04	2.20E-02	8.66E-03	7.70E-01
1101	482602.38	3852600.87	5.35E-01	1.38E-04	1.89E-02	9.21E-03	5.63E-01	7.06E-01	1.33E+01	1.89E-01	4.71E-02	1.42E+01	6.86E-01	1.68E-04	1.89E-02	9.21E-03	7.14E-01
1102	482652.38	3852600.87	5.00E-01	1.35E-04	1.82E-02	9.26E-03	5.28E-01	6.61E-01	1.29E+01	1.82E-01	4.73E-02	1.38E+01	6.42E-01	1.63E-04	1.82E-02	9.26E-03	6.69E-01
1103	482702.38	3852600.87	4.61E-01	1.27E-04	1.75E-02	9.28E-03	4.88E-01	6.09E-01	1.22E+01	1.75E-01	4.74E-02	1.30E+01	5.91E-01	1.54E-04	1.75E-02	9.28E-03	6.18E-01
1104	482552.38	3852650.87	5.88E-01	1.46E-04	2.05E-02	9.18E-03	6.17E-01	7.76E-01	1.40E+01	2.05E-01	4.69E-02	1.50E+01	7.53E-01	1.76E-04	2.05E-02	9.18E-03	7.83E-01
1105	482602.38	3852650.87	5.69E-01	1.43E-04	1.98E-02	9.27E-03	5.98E-01	7.52E-01	1.37E+01	1.98E-01	4.73E-02	1.47E+01	7.30E-01	1.73E-04	1.98E-02	9.27E-03	7.59E-01
1106	482652.38	3852650.87	5.41E-01	1.40E-04	1.91E-02	9.32E-03	5.69E-01	7.14E-01	1.34E+01	1.91E-01	4.76E-02	1.44E+01	6.93E-01	1.69E-04	1.91E-02	9.32E-03	7.22E-01
1107	482702.38	3852650.87	5.05E-01	1.36E-04	1.84E-02	9.35E-03	5.32E-01	6.66E-01	1.30E+01	1.84E-01	4.78E-02	1.39E+01	6.47E-01	1.65E-04	1.84E-02	9.35E-03	6.75E-01
1108	482552.38	3852700.87	6.08E-01	1.48E-04	2.14E-02	9.22E-03	6.39E-01	8.03E-01	1.42E+01	2.14E-01	4.71E-02	1.53E+01	7.79E-01	1.79E-04	2.14E-02	9.22E-03	8.10E-01
1109	482602.38	3852700.87	5.97E-01	1.47E-04	2.07E-02	9.32E-03	6.27E-01	7.88E-01	1.41E+01	2.07E-01	4.76E-02	1.51E+01	7.65E-01	1.78E-04	2.07E-02	9.32E-03	7.95E-01
1110	482652.38	3852700.87	5.74E-01	1.46E-04	2.00E-02	9.39E-03	6.03E-01	7.58E-01	1.40E+01	2.00E-01	4.80E-02	1.50E+01	7.35E-01	1.77E-04	2.00E-02	9.39E-03	7.65E-01
1111	482702.38	3852700.87	5.45E-01	1.42E-04	1.93E-02	9.42E-03	5.74E-01	7.20E-01	1.37E+01	1.93E-01	4.81E-02	1.46E+01	6.98E-01	1.73E-04	1.93E-02	9.42E-03	7.27E-01
1112	482452.38	3852750.87	5.86E-01	1.53E-04	2.35E-02	8.95E-03	6.18E-01	7.74E-01	1.47E+01	2.35E-01	4.57E-02	1.57E+01	7.51E-01	1.85E-04	2.35E-02	8.95E-03	7.84E-01
1113	482521.29	3852749.74	6.13E-01	1.51E-04	2.27E-02	9.18E-03	6.45E-01	8.09E-01	1.44E+01	2.27E-01	4.69E-02	1.55E+01	7.86E-01	1.82E-04	2.27E-02	9.18E-03	8.18E-01
1114	482571.29	3852749.74	6.19E-01	1.50E-04	2.20E-02	9.31E-03	6.50E-01	8.18E-01	1.44E+01	2.20E-01	4.75E-02	1.55E+01	7.94E-01	1.82E-04	2.20E-02	9.31E-03	8.25E-01
1115	482521.29	3852799.74	6.08E-01	1.52E-04	2.35E-02	9.22E-03	6.40E-01	8.03E-01	1.46E+01	2.35E-01	4.71E-02	1.56E+01	7.79E-01	1.84E-04	2.35E-02	9.22E-03	8.12E-01
1116	482571.29	3852799.74	6.24E-01	1.52E-04	2.29E-02	9.35E-03	6.57E-01	8.25E-01	1.46E+01	2.29E-01	4.78E-02	1.57E+01	8.00E-01	1.84E-04	2.29E-02	9.35E-03	8.33E-01
1117	482621.29	3852799.74	6.30E-01	1.52E-04	2.22E-02	9.46E-03	6.62E-01	8.32E-01	1.45E+01	2.22E-01	4.83E-02	1.56E+01	8.08E-01	1.84E-04	2.22E-02	9.46E-03	8.40E-01
1118	482571.29	3852849.74	6.21E-01	1.53E-04	2.38E-02	9.40E-03	6.55E-01	8.21E-01	1.46E+01	2.38E-01	4.80E-02	1.58E+01	7.97E-01	1.85E-04	2.38E-02	9.40E-03	8.30E-01
1119	482621.29	3852849.74	6.39E-01	1.53E-04	2.31E-02	9.51E-03	6.72E-01	8.44E-01	1.46E+01	2.31E-01	4.86E-02	1.58E+01	8.19E-01	1.85E-04	2.31E-02	9.51E-03	8.52E-01
1120	482577.42	3852901.55	6.13E-01	1.53E-04	2.46E-02	9.45E-03	6.47E-01	8.09E-01	1.47E+01	2.46E-01	4.83E-02	1.58E+01	7.85E-01	1.85E-04	2.46E-02	9.45E-03	8.20E-01
1121	482627.42	3852901.55	6.41E-01	1.53E-04	2.40E-02	9.57E-03	6.74E-01	8.46E-01	1.47E+01	2.40E-01	4.89E-02	1.58E+01	8.21E-01	1.85E-04	2.40E-02	9.57E-03	8.55E-01
1122	482629.96	3852955.85	6.29E-01	1.54E-04	2.49E-02	9.63E-03	6.63E-01	8.30E-01	1.47E+01	2.49E-01	4.92E-02	1.59E+01	8.06E-01	1.86E-04	2.49E-02	9.63E-03	8.41E-01
1123	482679.96	3852955.85	6.57E-01	1.54E-04	2.43E-02	9.72E-03	6.91E-01	8.68E-01	1.47E+01	2.43E-01	4.97E-02	1.59E+01	8.42E-01	1.86E-04	2.43E-02	9.72E-03	8.76E-01
1124	482781.63	3853034.48	6.93E-01	1.54E-04	2.44E-02	9.92E-03	7.28E-01	9.16E-01	1.47E+01	2.44E-01	5.07E-02	1.59E+01	8.89E-01	1.86E-04	2.44E-02	9.92E-03	9.23E-01
1125	482831.63	3853034.48	7.02E-01	1.52E-04	2.37E-02	9.91E-03	7.36E-01	9.28E-01	1.46E+01	2.37E-01	5.06E-02	1.58E+01	9.01E-01	1.84E-04	2.37E-02	9.91E-03	9.34E-01
1126	482881.63	3853034.48	6.96E-01	1.49E-04	2.30E-02	9.88E-03	7.29E-01	9.20E-01	1.43E+01	2.30E-01	5.05E-02	1.55E+01	8.93E-01	1.81E-04	2.30E-02	9.88E-03	9.26E-01
1127	482781.63	3853084.48	6.88E-01	1.55E-04	2.53E-02	1.00E-02	7.23E-01	9.08E-01	1.49E+01	2.53E-01	5.11E-02	1.61E+01	8.82E-01	1.88E-04	2.53E-02	1.00E-02	9.17E-01
1128	482831.63	3853084.48	7.11E-01	1.54E-04	2.47E-02	1.00E-02	7.46E-01	9.39E-01	1.48E+01	2.47E-01	5.11E-02	1.60E+01	9.12E-01	1.86E-04	2.47E-02	1.00E-02	9.46E-01
1129	482881.63	3853084.48	7.18E-01	1.52E-04	2.40E-02	9.97E-03	7.53E-01	9.49E-01	1.46E+01	2.40E-01	5.09E-02	1.58E+01	9.21E-01	1.84E-04	2.40E-02	9.97E-03	9.55E-01
1130	482781.63	3853134.48	6.68E-01	1.56E-04	2.62E-02	1.01E-02	7.04E-01	8.82E-01	1.50E+01	2.62E-01	5.15E-02	1.62E+01	8.56E-01	1.89E-04	2.62E-02	1.01E-02	8.93E-01
1131	482831.63	3853134.48	7.05E-01	1.56E-04	2.56E-02	1.01E-02	7.41E-01	9.32E-01	1.50E+01	2.56E-01	5.15E-02	1.62E+01	9.04E-01	1.89E-04	2.56E-02	1.01E-02	9.40E-01
1132	482881.63	3853134.48	7.27E-01	1.55E-04	2.49E-02	1.01E-02	7.62E-01	9.60E-01	1.49E+01	2.49E-01	5.14E-02	1.61E+01	9.32E-01	1.88E-04	2.49E-02	1.01E-02	9.67E-01
1133	482831.63	3853184.48	6.85E-01	1.57E-04	2.65E-02	1.02E-02	7.22E-01	9.05E-01	1.51E+01	2.65E-01	5.20E-02	1.63E+01	8.79E-01	1.91E-04	2.65E-02	1.02E-02	9.16E-01
1134	482881.63	3853184.48	7.22E-01	1.57E-04	2.59E-02	1.02E-02	7.58E-01	9.53E-01	1.51E+01	2.59E-01	5.19E-02	1.63E+01	9.25E-01	1.91E-04	2.59E-02	1.02E-02	9.61E-01
1135	484154.84	3854250.98	8.56E-01	8.69E-05	2.96E-02	1.98E-02	9.05E-01	1.13E+00	8.34E+00	2.96E-01	1.01E-01	9.86E+00	1.10E+00	1.05E-04	2.96E-02	1.98E-02	1.15E+00
1136	484204.84	3854250.98	7.09E-01	8.33E-05	2.85E-02	1.97E-02	7.57E-01	9.36E-01	7.99E+00	2.85E-01	1.01E-01	9.31E+00	9.08E-01	1.01E-04	2.85E-02	1.97E-02	9.57E-01
1137	484154.84	3854300.98	9.61E-01	8.49E-05	3.09E-02	2.06E-02	1.01E+00	1.27E+00	8.14E+00	3.09E-01	1.05E-01	9.82E+00	1.23E+00	1.03E-04	3.09E-02	2.06E-02	1.28E+00
1138	484204.84	3854300.98	8.20E-01	8.26E-05	2.99E-02	2.06E-02	8.70E-01	1.08E+00	7.92E+00	2.99E-01	1.05E-01	9.41E+00	1.05E+00	1.00E-04	2.99E-02	2.06E-02	1.10E+00
1139	484074.19	3854519.8	1.02E+00	9.18E-05	3.72E-02	1.96E-02	1.08E+00	1.35E+00	8.81E+00	3.72E-01	9.99E-02	1.06E+01	1.31E+00	1.11E-04	3.72E-02	1.96E-02	1.37E+00
1140	484124.19	3854519.8	1.08E+00	8.76E-05	3.67E-02	2.11E-02	1.14E+00	1.43E+00	8.40E+00	3.67E-01	1.08E-01	1.03E+01	1.38E+00	1.06E-04	3.67E-02	2.11E-02	1.44E+00
1141	484074.19	3854569.8	8.75E-01	9.28E-05	3.80E-02	1.95E-02	9.33E-01	1.16E+00	8.90E+00	3.80E-01	9.96E-02	1.05E+01	1.12E+00	1.12E-04	3.80E-02	1.95E-02	1.18E+00
1142	484124.19	3854569.8	9.42E-01	8.76E-05	3.77E-02	2.12E-02	1.00E+00	1.24E+00	8.40E+00	3.77E-01	1.08E-01	1.01E+01	1.21E+00	1.06E-04	3.77E-02	2.12E-02	1.27E+00
1143	485205.11	3855188.89	1.22E+00	8.76E-05	3.59E-02	2.70E-02	1.28E+00	1.61E+00	8.40E+00	3.59E-01	1.38E-01	1.05E+01	1.56E+00	1.06E-04	3.59E-02	2.70E-02	1.62E+00
1144	485255.11	3855188.89	1.07E+00	8.16E-05	3.43E-02	2.34E-02	1.13E+00	1.41E+00	7.82E+00	3.43E-01	1.20E-01	9.70E+00	1.37E+00	9.88E-05	3.43E-02	2.34E-02	1.43E+00
1145	485205.11	3855238.89	1.35E+00	9.07E-05	3.80E-02	2.65E-02	1.41E+00	1.78E+00	8.70E+00	3.80E-01	1.36E-01	1.10E+01	1.73E+00	1.10E-04	3.80E-02	2.65E-02	1.80E+00
1146	485255.11	3855238.89	1.26E+00	8.76E-05	3.65E-02	3.21E-02	1.33E+00	1.67E+00	8.40E+00	3.65E-01	1.64E-01	1.06E+01	1.62E+00	1.06E-04	3.65E-02	3.21E-02	1.69E+00
1147	485205.11	3855288.89	1.83E+00	1.02E-04	4.01E-02	3.45E-02	1.90E+00	2.42E+00	9.82E+00	4.01E-01	1.76E-01	1.28E+01	2.35E+00	1.24E-04	4.01E-02	3.45E-02	2.42E+00
1148	485255.11	3855288.89	1.61E+00	9.82E-05	3.86E-02	3.93E-02	1.69E+00	2.13E+00	9.42E+00	3.86E-01	2.01E-01	1.21E+01	2.07E+00	1.19E-04	3.86E-02	3.93E-02	2.14E+00
1149	485255.11	3855338.89	2.03E+00	1.10E-04	4.07E-02	4.35E-02	2.12E+00	2.69E+00	1.05E+01	4.07E-01	2.22E-01	1.38E+01	2.61E+00	1.33E-04	4.07E-02	4.35E-02	2.69E+00
1150	485305.11	3855338.89	1.80E+00	1.03E-04	3.93E-02	4.43E-02	1.89E+00	2.38E+00	9.91E+00	3.93E-01	2.27E-01	1.29E+01	2.31E+00	1.25E-04	3.93E-02	4.43E-02	2.39E+00
1151	485852.5	3855635.28	1.86E+00	9.86E-05	3.35E-02	2.41E-02	1.92E+00	2.46E+00	9.45E+00	3.35E-01	1.23E-01	1.24E+01	2.39E+00	1.19E-04	3.35E-02	2.41E-02	2.45E+00
1152	485902.5	3855635.28	1.70E+00	9.19E-05	4.14E-02	2.30E-02	1.76E+00	2.24E+00	8.82E+00	4.14E-01	1.17E-01	1.16E+01	2.17E+00	1.11E-04	4.14E-02	2.30E-02	2.24E+00
1153	485852.5	3855685.28	2.02E+00	1.06E-04	3.64E-02	2.49E-02	2.08E+00	2.66E+00	1.02E+01	3.64E-01	1.27E-01	1.33E+01	2.59E+00	1.28E-04	3.64E-02	2.49E-02	2.65E+00
1154	485902.5	3855685.28	1.83E+00	9.84E-05	3.40E-02	2.65E-02	1.89E+00	2.41E+00	9.44E+00	3.40E-01	1.35E-01	1.23E+01	2.34E+00	1.19E-04	3.40E-02	2.65E-02	2.40E+00
1155	485852.5	3855735.28	2.20E+00	1.14E-04	3.93E-02	3.03E-02	2.27E+00	2.91E+00	1.09E+01	3.93E-01	1.55E-01	1.44E+01	2.82E+00	1.38E-04	3.93E-02	3.03E-02	2.89E+00

1156	485902.5	3855735.28	2.03E+00	1.07E-04	3.70E-02	3.08E-02	2.10E+00	2.68E+00	1.03E+01	3.70E-01	1.58E-01	1.35E+01	2.60E+00	1.30E-04	3.70E-02	3.08E-02	2.67E+00
1157	485852.5	3855785.28	2.49E+00	1.24E-04	4.23E-02	3.20E-02	2.56E+00	3.29E+00	1.19E+01	4.23E-01	1.64E-01	1.58E+01	3.19E+00	1.51E-04	4.23E-02	3.20E-02	3.26E+00
1158	485902.5	3855785.28	2.19E+00	1.14E-04	4.00E-02	3.21E-02	2.26E+00	2.89E+00	1.10E+01	4.00E-01	1.64E-01	1.44E+01	2.81E+00	1.39E-04	4.00E-02	3.21E-02	2.88E+00
1159	486809.46	3856465.28	2.11E+00	1.73E-04	5.39E-02	2.82E-02	2.20E+00	2.79E+00	1.66E+01	5.39E-01	1.44E-01	2.01E+01	2.71E+00	2.10E-04	5.39E-02	2.82E-02	2.79E+00
1160	486859.46	3856465.28	2.05E+00	1.73E-04	4.78E-02	2.73E-02	2.13E+00	2.71E+00	1.66E+01	4.78E-01	1.39E-01	2.00E+01	2.63E+00	2.10E-04	4.78E-02	2.73E-02	2.71E+00
1161	486909.46	3856465.28	1.98E+00	1.73E-04	3.83E-02	2.65E-02	2.05E+00	2.62E+00	1.66E+01	3.83E-01	1.36E-01	1.97E+01	2.54E+00	2.09E-04	3.83E-02	2.65E-02	2.61E+00
1162	486809.46	3856515.28	2.28E+00	1.82E-04	5.09E-02	2.88E-02	2.36E+00	3.01E+00	1.75E+01	5.09E-01	1.47E-01	2.11E+01	2.92E+00	2.21E-04	5.09E-02	2.88E-02	3.00E+00
1163	486859.46	3856515.28	2.21E+00	1.83E-04	4.86E-02	2.79E-02	2.29E+00	2.92E+00	1.76E+01	4.86E-01	1.43E-01	2.11E+01	2.84E+00	2.22E-04	4.86E-02	2.79E-02	2.92E+00
1164	486909.46	3856515.28	2.14E+00	1.83E-04	4.22E-02	2.71E-02	2.21E+00	2.82E+00	1.75E+01	4.22E-01	1.39E-01	2.09E+01	2.74E+00	2.22E-04	4.22E-02	2.71E-02	2.81E+00
1165	486980.94	3856357.95	1.68E+00	1.53E-04	4.28E-02	2.20E-02	1.75E+00	2.22E+00	1.46E+01	4.28E-01	1.13E-01	1.74E+01	2.16E+00	1.85E-04	4.28E-02	2.20E-02	2.22E+00
1166	487030.94	3856357.95	1.64E+00	1.52E-04	5.61E-02	2.14E-02	1.72E+00	2.17E+00	1.46E+01	5.61E-01	1.09E-01	1.75E+01	2.11E+00	1.85E-04	5.61E-02	2.14E-02	2.18E+00
1167	486980.94	3856407.95	1.78E+00	1.62E-04	3.52E-02	2.34E-02	1.84E+00	2.36E+00	1.56E+01	3.52E-01	1.20E-01	1.84E+01	2.29E+00	1.97E-04	3.52E-02	2.34E-02	2.35E+00
1168	487030.94	3856407.95	1.74E+00	1.62E-04	4.39E-02	2.27E-02	1.80E+00	2.29E+00	1.55E+01	4.39E-01	1.16E-01	1.84E+01	2.22E+00	1.96E-04	4.39E-02	2.27E-02	2.29E+00
1169	487447.18	3856437.45	1.47E+00	1.72E-04	8.82E-02	1.76E-02	1.57E+00	1.94E+00	1.65E+01	8.82E-01	8.99E-02	1.94E+01	1.88E+00	2.09E-04	8.82E-02	1.76E-02	1.98E+00
1170	487497.18	3856437.45	1.44E+00	1.75E-04	9.10E-02	1.69E-02	1.54E+00	1.90E+00	1.68E+01	9.10E-01	8.64E-02	1.96E+01	1.84E+00	2.12E-04	9.10E-02	1.69E-02	1.95E+00
1171	487547.18	3856437.45	1.41E+00	1.77E-04	9.23E-02	1.62E-02	1.52E+00	1.86E+00	1.70E+01	9.23E-01	8.28E-02	1.99E+01	1.80E+00	2.15E-04	9.23E-02	1.62E-02	1.91E+00
1172	487447.18	3856487.45	1.52E+00	1.84E-04	8.85E-02	1.88E-02	1.63E+00	2.01E+00	1.76E+01	8.85E-01	9.58E-02	2.06E+01	1.95E+00	2.23E-04	8.85E-02	1.88E-02	2.06E+00
1173	487497.18	3856487.45	1.49E+00	1.85E-04	9.20E-02	1.81E-02	1.60E+00	1.96E+00	1.78E+01	9.20E-01	9.23E-02	2.08E+01	1.91E+00	2.25E-04	9.20E-02	1.81E-02	2.02E+00
1174	487547.18	3856487.45	1.47E+00	1.88E-04	9.39E-02	1.73E-02	1.58E+00	1.94E+00	1.81E+01	9.39E-01	8.86E-02	2.10E+01	1.88E+00	2.28E-04	9.39E-02	1.73E-02	1.99E+00
1175	487447.18	3856537.45	1.59E+00	1.95E-04	8.84E-02	1.95E-02	1.70E+00	2.10E+00	1.87E+01	8.84E-01	9.96E-02	2.18E+01	2.04E+00	2.36E-04	8.84E-02	1.95E-02	2.15E+00
1176	487497.18	3856537.45	1.55E+00	1.96E-04	9.27E-02	1.89E-02	1.66E+00	2.05E+00	1.88E+01	9.27E-01	9.63E-02	2.18E+01	1.99E+00	2.37E-04	9.27E-02	1.89E-02	2.10E+00
1177	487547.18	3856537.45	1.52E+00	1.99E-04	9.53E-02	1.81E-02	1.63E+00	2.00E+00	1.91E+01	9.53E-01	9.23E-02	2.22E+01	1.94E+00	2.41E-04	9.53E-02	1.81E-02	2.06E+00
1178	489285.89	3858826.54	4.73E-01	9.31E-04	8.11E-02	1.09E-02	5.66E-01	6.25E-01	8.93E+01	8.11E-01	5.58E-02	9.08E+01	6.06E-01	1.13E-03	8.11E-02	1.09E-02	6.99E-01
1179	489335.89	3858826.54	4.66E-01	9.13E-04	8.02E-02	1.06E-02	5.58E-01	6.16E-01	8.75E+01	8.02E-01	5.40E-02	8.90E+01	5.97E-01	1.11E-03	8.02E-02	1.06E-02	6.89E-01
1180	489385.89	3858826.54	4.55E-01	8.90E-04	7.75E-02	1.06E-02	5.44E-01	6.01E-01	8.53E+01	7.75E-01	5.40E-02	8.68E+01	5.83E-01	1.08E-03	7.75E-02	1.06E-02	6.73E-01
1181	489435.89	3858826.54	4.40E-01	8.71E-04	7.97E-02	1.05E-02	5.31E-01	5.81E-01	8.35E+01	7.97E-01	5.39E-02	8.49E+01	5.64E-01	1.05E-03	7.97E-02	1.05E-02	6.56E-01
1182	489485.89	3858826.54	4.22E-01	8.53E-04	8.05E-02	1.05E-02	5.14E-01	5.57E-01	8.18E+01	8.05E-01	5.37E-02	8.33E+01	5.41E-01	1.03E-03	8.05E-02	1.05E-02	6.33E-01
1183	489535.89	3858826.54	4.00E-01	8.36E-04	8.02E-02	1.05E-02	4.92E-01	5.29E-01	8.02E+01	8.02E-01	5.35E-02	8.16E+01	5.13E-01	1.01E-03	8.02E-02	1.05E-02	6.05E-01
1184	489585.89	3858826.54	3.77E-01	8.20E-04	7.88E-02	1.04E-02	4.67E-01	4.98E-01	7.87E+01	7.88E-01	5.32E-02	8.00E+01	4.84E-01	9.94E-04	7.88E-02	1.04E-02	5.74E-01
1185	489635.89	3858826.54	3.52E-01	8.03E-04	7.65E-02	1.03E-02	4.40E-01	4.65E-01	7.70E+01	7.65E-01	5.29E-02	7.83E+01	4.52E-01	9.73E-04	7.65E-02	1.03E-02	5.40E-01
1186	489685.89	3858826.54	3.27E-01	7.86E-04	7.34E-02	1.03E-02	4.11E-01	4.32E-01	7.54E+01	7.34E-01	5.24E-02	7.66E+01	4.19E-01	9.52E-04	7.34E-02	1.03E-02	5.03E-01
1187	489735.89	3858826.54	3.20E-01	7.70E-04	6.98E-02	1.02E-02	4.01E-01	4.23E-01	7.38E+01	6.98E-01	5.19E-02	7.50E+01	4.11E-01	9.32E-04	6.98E-02	1.02E-02	4.92E-01
1188	489785.89	3858826.54	3.12E-01	7.57E-04	6.59E-02	1.01E-02	3.89E-01	4.12E-01	7.26E+01	6.59E-01	5.14E-02	7.37E+01	4.00E-01	9.17E-04	6.59E-02	1.01E-02	4.77E-01
1189	489835.89	3858826.54	3.05E-01	7.41E-04	6.17E-02	9.95E-03	3.77E-01	4.03E-01	7.10E+01	6.17E-01	5.08E-02	7.21E+01	3.91E-01	8.97E-04	6.17E-02	9.95E-03	4.63E-01
1190	489885.89	3858826.54	3.30E-01	7.29E-04	5.75E-02	9.82E-03	3.98E-01	4.35E-01	6.99E+01	5.75E-01	5.02E-02	7.10E+01	4.23E-01	8.84E-04	5.75E-02	9.82E-03	4.91E-01
1191	489935.89	3858826.54	3.53E-01	7.17E-04	5.71E-02	9.69E-03	4.21E-01	4.67E-01	6.88E+01	5.71E-01	4.95E-02	6.99E+01	4.53E-01	8.69E-04	5.71E-02	9.69E-03	5.21E-01
1192	489985.89	3858826.54	3.76E-01	7.04E-04	5.64E-02	9.54E-03	4.42E-01	4.96E-01	6.75E+01	5.64E-01	4.88E-02	6.86E+01	4.81E-01	8.53E-04	5.64E-02	9.54E-03	5.48E-01
1193	490035.89	3858826.54	3.96E-01	6.86E-04	5.52E-02	9.39E-03	4.62E-01	5.24E-01	6.58E+01	5.52E-01	4.80E-02	6.70E+01	5.08E-01	8.32E-04	5.52E-02	9.39E-03	5.74E-01
1194	489285.89	3858876.54	4.62E-01	1.01E-03	7.97E-02	1.07E-02	5.53E-01	6.10E-01	9.72E+01	7.97E-01	5.48E-02	9.87E+01	5.92E-01	1.23E-03	7.97E-02	1.07E-02	6.84E-01
1195	489335.89	3858876.54	4.62E-01	9.89E-04	7.74E-02	1.08E-02	5.51E-01	6.10E-01	9.48E+01	7.74E-01	5.49E-02	9.63E+01	5.92E-01	1.20E-03	7.74E-02	1.08E-02	6.81E-01
1196	489385.89	3858876.54	4.56E-01	9.66E-04	7.64E-02	1.08E-02	5.45E-01	6.03E-01	9.26E+01	7.64E-01	5.50E-02	9.40E+01	5.85E-01	1.17E-03	7.64E-02	1.08E-02	6.74E-01
1197	489435.89	3858876.54	4.47E-01	9.43E-04	7.60E-02	1.08E-02	5.35E-01	5.91E-01	9.05E+01	7.60E-01	5.50E-02	9.19E+01	5.73E-01	1.14E-03	7.60E-02	1.08E-02	6.61E-01
1198	489485.89	3858876.54	4.34E-01	9.21E-04	7.88E-02	1.07E-02	5.25E-01	5.74E-01	8.84E+01	7.88E-01	5.49E-02	8.98E+01	5.57E-01	1.12E-03	7.88E-02	1.07E-02	6.47E-01
1199	489535.89	3858876.54	4.18E-01	9.00E-04	8.02E-02	1.07E-02	5.10E-01	5.52E-01	8.63E+01	8.02E-01	5.47E-02	8.77E+01	5.36E-01	1.09E-03	8.02E-02	1.07E-02	6.28E-01
1200	489585.89	3858876.54	3.99E-01	8.76E-04	8.06E-02	1.07E-02	4.91E-01	5.27E-01	8.40E+01	8.06E-01	5.45E-02	8.54E+01	5.11E-01	1.06E-03	8.06E-02	1.07E-02	6.04E-01
1201	489635.89	3858876.54	3.77E-01	8.58E-04	7.98E-02	1.06E-02	4.68E-01	4.98E-01	8.23E+01	7.98E-01	5.42E-02	8.37E+01	4.83E-01	1.04E-03	7.98E-02	1.06E-02	5.75E-01
1202	489685.89	3858876.54	3.54E-01	8.39E-04	7.81E-02	1.05E-02	4.43E-01	4.68E-01	8.05E+01	7.81E-01	5.38E-02	8.18E+01	4.54E-01	1.02E-03	7.81E-02	1.05E-02	5.43E-01
1203	489735.89	3858876.54	3.30E-01	8.19E-04	7.56E-02	1.04E-02	4.17E-01	4.36E-01	7.85E+01	7.56E-01	5.33E-02	7.98E+01	4.23E-01	9.92E-04	7.56E-02	1.04E-02	5.10E-01
1204	489785.89	3858876.54	3.15E-01	8.04E-04	7.25E-02	1.03E-02	3.99E-01	4.16E-01	7.71E+01	7.25E-01	5.28E-02	7.83E+01	4.04E-01	9.73E-04	7.25E-02	1.03E-02	4.88E-01
1205	489835.89	3858876.54	3.08E-01	7.85E-04	6.90E-02	1.02E-02	3.88E-01	4.07E-01	7.53E+01	6.90E-01	5.22E-02	7.65E+01	3.95E-01	9.52E-04	6.90E-02	1.02E-02	4.76E-01
1206	489885.89	3858876.54	2.99E-01	7.74E-04	6.51E-02	1.01E-02	3.75E-01	3.95E-01	7.42E+01	6.51E-01	5.16E-02	7.53E+01	3.84E-01	9.38E-04	6.51E-02	1.01E-02	4.60E-01
1207	489935.89	3858876.54	3.05E-01	7.56E-04	6.11E-02	9.96E-03	3.77E-01	4.03E-01	7.25E+01	6.11E-01	5.09E-02	7.35E+01	3.91E-01	9.16E-04	6.11E-02	9.96E-03	4.63E-01
1208	489985.89	3858876.54	3.29E-01	7.36E-04	5.83E-02	9.82E-03	3.98E-01	4.34E-01	7.06E+01	5.83E-01	5.01E-02	7.17E+01	4.22E-01	8.92E-04	5.83E-02	9.82E-03	4.91E-01
1209	490035.89	3858876.54	3.52E-01	7.18E-04	5.71E-02	9.66E-03	4.19E-01	4.65E-01	6.88E+01	5.71E-01	4.94E-02	6.99E+01	4.51E-01	8.70E-04	5.71E-02	9.66E-03	5.19E-01
1210	489285.89	3858926.54	4.43E-01	1.09E-03	7.96E-02	1.09E-02	5.35E-01	5.86E-01	1.05E+02	7.96E-01	5.54E-02	1.06E+02	5.68E-01	1.32E-03	7.96E-02	1.09E-02	6.60E-01
1211	489335.89	3858926.54	4.49E-01	1.06E-03	7.85E-02	1.09E-02	5.39E-01	5.93E-01	1.02E+02	7.85E-01	5.57E-02	1.03E+02	5.76E-01	1.29E-03	7.85E-02	1.09E-02	6.66E-01
1212	489385.89	3858926.54	4.50E-01	1.03E-03	7.65E-02	1.09E-02	5.39E-01	5.95E-01	9.88E+01	7.65E-01	5.58E-02	1.00E+02	5.77E-01	1.25E-03	7.65E-02	1.09E-02	6.66E-01
1213	489435.89	3858926.54	4.47E-01	1.00E-03	7.38E-02	1.09E-02	5.32E-01	5.90E-01	9.64E+01	7.38E-01	5.59E-02	9.77E+01	5.73E-01	1.22E-03	7.38E-02	1.09E-02	6.59E-01
1214	489485.89	3858926.54	4.39E-01	9.79E-04	7.41E-02	1.09E-02	5.25E-01	5.80E-01	9.39E+01	7.41E-01	5.58E-02	9.53E+01	5.63E-01	1.19E-03	7.41E-02	1.09E-02	6.49E-01
1215	489535.89	3858926.54	4.28E-01	9.55E-04	7.73E-02	1.09E-02	5.17E-01	5.65E-01	9.16E+01	7.73E-01	5.57E-02	9.29E+01	5.49E-01	1.16E-03	7.73E-02	1.09E-02	6.38E-01
1216	489585.89	3858926.54	4.14E-01	9.30E-04	7.93E-02	1.09E-02	5.05E-01	5.46E-01	8.92E+01	7.93E-01	5.55E-02	9.06E+01	5.30E-01	1.13E-03	7.93E-02	1.09E-02	6.22E-01

1217	489635.89	3858926.54	3.96E-01	9.08E-04	8.02E-02	1.08E-02	4.88E-01	5.23E-01	8.71E+01	8.02E-01	5.53E-02	8.85E+01	5.08E-01	1.10E-03	8.02E-02	1.08E-02	6.00E-01
1218	489685.89	3858926.54	3.77E-01	8.84E-04	8.01E-02	1.07E-02	4.68E-01	4.97E-01	8.47E+01	8.01E-01	5.49E-02	8.61E+01	4.83E-01	1.07E-03	8.01E-02	1.07E-02	5.75E-01
1219	489735.89	3858926.54	3.55E-01	8.66E-04	7.90E-02	1.07E-02	4.45E-01	4.69E-01	8.30E+01	7.90E-01	5.45E-02	8.43E+01	4.55E-01	1.05E-03	7.90E-02	1.07E-02	5.45E-01
1220	489785.89	3858926.54	3.32E-01	8.49E-04	7.71E-02	1.06E-02	4.20E-01	4.38E-01	8.14E+01	7.71E-01	5.40E-02	8.27E+01	4.25E-01	1.03E-03	7.71E-02	1.06E-02	5.14E-01
1221	489835.89	3858926.54	3.09E-01	8.27E-04	7.45E-02	1.05E-02	3.95E-01	4.09E-01	7.93E+01	7.45E-01	5.34E-02	8.05E+01	3.96E-01	1.00E-03	7.45E-02	1.05E-02	4.82E-01
1222	489885.89	3858926.54	3.04E-01	8.10E-04	7.14E-02	1.03E-02	3.86E-01	4.01E-01	7.77E+01	7.14E-01	5.28E-02	7.88E+01	3.89E-01	9.81E-04	7.14E-02	1.03E-02	4.72E-01
1223	489935.89	3858926.54	2.96E-01	7.90E-04	6.79E-02	1.02E-02	3.75E-01	3.92E-01	7.58E+01	6.79E-01	5.21E-02	7.69E+01	3.80E-01	9.57E-04	6.79E-02	1.02E-02	4.59E-01
1224	489985.89	3858926.54	2.88E-01	7.67E-04	6.41E-02	1.01E-02	3.63E-01	3.80E-01	7.35E+01	6.41E-01	5.14E-02	7.46E+01	3.69E-01	9.29E-04	6.41E-02	1.01E-02	4.44E-01
1225	490035.89	3858926.54	3.06E-01	7.38E-04	6.02E-02	9.90E-03	3.76E-01	4.04E-01	7.08E+01	6.02E-01	5.06E-02	7.18E+01	3.92E-01	8.94E-04	6.02E-02	9.90E-03	4.63E-01
1226	489335.89	3858976.54	4.30E-01	1.12E-03	7.79E-02	1.10E-02	5.20E-01	5.68E-01	1.07E+02	7.79E-01	5.61E-02	1.09E+02	5.51E-01	1.35E-03	7.79E-02	1.10E-02	6.41E-01
1227	489385.89	3858976.54	4.36E-01	1.08E-03	7.71E-02	1.10E-02	5.26E-01	5.76E-01	1.04E+02	7.71E-01	5.63E-02	1.05E+02	5.59E-01	1.31E-03	7.71E-02	1.10E-02	6.49E-01
1228	489435.89	3858976.54	4.38E-01	1.06E-03	7.55E-02	1.11E-02	5.26E-01	5.79E-01	1.01E+02	7.55E-01	5.65E-02	1.03E+02	5.62E-01	1.28E-03	7.55E-02	1.11E-02	6.50E-01
1229	489485.89	3858976.54	4.37E-01	1.03E-03	7.32E-02	1.11E-02	5.22E-01	5.77E-01	9.84E+01	7.32E-01	5.65E-02	9.98E+01	5.60E-01	1.24E-03	7.32E-02	1.11E-02	6.45E-01
1230	489535.89	3858976.54	4.31E-01	9.96E-04	7.18E-02	1.11E-02	5.15E-01	5.69E-01	9.55E+01	7.18E-01	5.64E-02	9.68E+01	5.53E-01	1.21E-03	7.18E-02	1.11E-02	6.37E-01
1231	489585.89	3858976.54	4.21E-01	9.73E-04	7.53E-02	1.10E-02	5.09E-01	5.57E-01	9.33E+01	7.53E-01	5.63E-02	9.47E+01	5.40E-01	1.18E-03	7.53E-02	1.10E-02	6.28E-01
1232	489635.89	3858976.54	4.09E-01	9.47E-04	7.78E-02	1.10E-02	4.98E-01	5.40E-01	9.08E+01	7.78E-01	5.61E-02	9.22E+01	5.24E-01	1.15E-03	7.78E-02	1.10E-02	6.14E-01
1233	489685.89	3858976.54	3.93E-01	9.21E-04	7.93E-02	1.09E-02	4.84E-01	5.19E-01	8.83E+01	7.93E-01	5.58E-02	8.97E+01	5.04E-01	1.12E-03	7.93E-02	1.09E-02	5.95E-01
1234	489735.89	3858976.54	3.75E-01	8.99E-04	7.97E-02	1.08E-02	4.66E-01	4.95E-01	8.62E+01	7.97E-01	5.54E-02	8.76E+01	4.81E-01	1.09E-03	7.97E-02	1.08E-02	5.72E-01
1235	489785.89	3858976.54	3.54E-01	8.81E-04	7.92E-02	1.07E-02	4.45E-01	4.68E-01	8.45E+01	7.92E-01	5.49E-02	8.58E+01	4.54E-01	1.07E-03	7.92E-02	1.07E-02	5.45E-01
1236	489835.89	3858976.54	3.33E-01	8.61E-04	7.79E-02	1.06E-02	4.22E-01	4.40E-01	8.26E+01	7.79E-01	5.44E-02	8.38E+01	4.27E-01	1.04E-03	7.79E-02	1.06E-02	5.16E-01
1237	489885.89	3858976.54	3.11E-01	8.33E-04	7.58E-02	1.05E-02	3.98E-01	4.10E-01	7.99E+01	7.58E-01	5.38E-02	8.11E+01	3.98E-01	1.01E-03	7.58E-02	1.05E-02	4.86E-01
1238	489935.89	3858976.54	2.99E-01	8.08E-04	7.32E-02	1.04E-02	3.84E-01	3.95E-01	7.75E+01	7.32E-01	5.31E-02	7.87E+01	3.84E-01	9.79E-04	7.32E-02	1.04E-02	4.68E-01
1239	489985.89	3858976.54	2.93E-01	7.86E-04	7.01E-02	1.03E-02	3.74E-01	3.87E-01	7.53E+01	7.01E-01	5.24E-02	7.65E+01	3.76E-01	9.52E-04	7.01E-02	1.03E-02	4.57E-01
1240	490035.89	3858976.54	2.87E-01	7.31E-04	6.65E-02	1.01E-02	3.64E-01	3.79E-01	7.01E+01	6.65E-01	5.16E-02	7.12E+01	3.68E-01	8.86E-04	6.65E-02	1.01E-02	4.46E-01
1241	489385.89	3859026.54	4.16E-01	1.11E-03	7.62E-02	1.11E-02	5.05E-01	5.50E-01	1.07E+02	7.62E-01	5.67E-02	1.08E+02	5.34E-01	1.35E-03	7.62E-02	1.11E-02	6.22E-01
1242	489435.89	3859026.54	4.24E-01	1.08E-03	7.57E-02	1.11E-02	5.12E-01	5.60E-01	1.04E+02	7.57E-01	5.69E-02	1.05E+02	5.43E-01	1.31E-03	7.57E-02	1.11E-02	6.31E-01
1243	489485.89	3859026.54	4.27E-01	1.05E-03	7.44E-02	1.11E-02	5.14E-01	5.64E-01	1.01E+02	7.44E-01	5.69E-02	1.02E+02	5.48E-01	1.27E-03	7.44E-02	1.11E-02	6.35E-01
1244	489535.89	3859026.54	4.27E-01	1.02E-03	7.24E-02	1.11E-02	5.11E-01	5.64E-01	9.80E+01	7.24E-01	5.69E-02	9.93E+01	5.47E-01	1.24E-03	7.24E-02	1.11E-02	6.32E-01
1245	489585.89	3859026.54	4.22E-01	9.91E-04	7.00E-02	1.11E-02	5.05E-01	5.58E-01	9.50E+01	7.00E-01	5.68E-02	9.63E+01	5.42E-01	1.20E-03	7.00E-02	1.11E-02	6.24E-01
1246	489635.89	3859026.54	4.15E-01	9.66E-04	7.31E-02	1.11E-02	5.00E-01	5.48E-01	9.26E+01	7.31E-01	5.67E-02	9.40E+01	5.31E-01	1.17E-03	7.31E-02	1.11E-02	6.17E-01
1247	489685.89	3859026.54	4.03E-01	9.40E-04	7.59E-02	1.10E-02	4.91E-01	5.33E-01	9.02E+01	7.59E-01	5.64E-02	9.15E+01	5.17E-01	1.14E-03	7.59E-02	1.10E-02	6.05E-01
1248	489735.89	3859026.54	3.89E-01	9.19E-04	7.78E-02	1.10E-02	4.79E-01	5.14E-01	8.81E+01	7.78E-01	5.60E-02	8.94E+01	4.99E-01	1.11E-03	7.78E-02	1.10E-02	5.89E-01
1249	489785.89	3859026.54	3.72E-01	8.97E-04	7.87E-02	1.09E-02	4.63E-01	4.92E-01	8.60E+01	7.87E-01	5.56E-02	8.73E+01	4.77E-01	1.09E-03	7.87E-02	1.09E-02	5.68E-01
1250	489835.89	3859026.54	3.54E-01	8.67E-04	7.88E-02	1.08E-02	4.45E-01	4.68E-01	8.31E+01	7.88E-01	5.51E-02	8.44E+01	4.54E-01	1.05E-03	7.88E-02	1.08E-02	5.45E-01
1251	489885.89	3859026.54	3.34E-01	8.41E-04	7.80E-02	1.07E-02	4.24E-01	4.41E-01	8.07E+01	7.80E-01	5.45E-02	8.20E+01	4.28E-01	1.02E-03	7.80E-02	1.07E-02	5.18E-01
1252	489935.89	3859026.54	3.13E-01	8.14E-04	7.65E-02	1.05E-02	4.01E-01	4.13E-01	7.81E+01	7.65E-01	5.39E-02	7.93E+01	4.01E-01	9.86E-04	7.65E-02	1.05E-02	4.89E-01
1253	489985.89	3859026.54	2.94E-01	7.88E-04	7.44E-02	1.04E-02	3.80E-01	3.89E-01	7.55E+01	7.44E-01	5.32E-02	7.67E+01	3.77E-01	9.54E-04	7.44E-02	1.04E-02	4.63E-01
1254	490035.89	3859026.54	2.91E-01	7.24E-04	7.16E-02	1.03E-02	3.74E-01	3.85E-01	6.95E+01	7.16E-01	5.24E-02	7.06E+01	3.74E-01	8.78E-04	7.16E-02	1.03E-02	4.56E-01
1255	489485.89	3859076.54	4.12E-01	1.05E-03	7.42E-02	1.12E-02	4.98E-01	5.44E-01	1.01E+02	7.42E-01	5.73E-02	1.02E+02	5.28E-01	1.27E-03	7.42E-02	1.12E-02	6.14E-01
1256	489535.89	3859076.54	4.16E-01	1.02E-03	7.32E-02	1.12E-02	5.02E-01	5.50E-01	9.78E+01	7.32E-01	5.73E-02	9.92E+01	5.33E-01	1.24E-03	7.32E-02	1.12E-02	6.19E-01
1257	489585.89	3859076.54	4.17E-01	9.90E-04	7.16E-02	1.12E-02	5.01E-01	5.51E-01	9.49E+01	7.16E-01	5.72E-02	9.62E+01	5.34E-01	1.20E-03	7.16E-02	1.12E-02	6.18E-01
1258	489635.89	3859076.54	4.14E-01	9.66E-04	6.94E-02	1.12E-02	4.95E-01	5.46E-01	9.27E+01	6.94E-01	5.70E-02	9.40E+01	5.30E-01	1.17E-03	6.94E-02	1.12E-02	6.12E-01
1259	489685.89	3859076.54	4.07E-01	9.42E-04	7.05E-02	1.11E-02	4.89E-01	5.38E-01	9.03E+01	7.05E-01	5.68E-02	9.16E+01	5.22E-01	1.14E-03	7.05E-02	1.11E-02	6.04E-01
1260	489735.89	3859076.54	3.97E-01	9.17E-04	7.36E-02	1.11E-02	4.83E-01	5.25E-01	8.80E+01	7.36E-01	5.65E-02	8.93E+01	5.09E-01	1.11E-03	7.36E-02	1.11E-02	5.95E-01
1261	489785.89	3859076.54	3.85E-01	8.92E-04	7.59E-02	1.10E-02	4.72E-01	5.08E-01	8.56E+01	7.59E-01	5.61E-02	8.69E+01	4.93E-01	1.08E-03	7.59E-02	1.10E-02	5.81E-01
1262	489835.89	3859076.54	3.70E-01	8.65E-04	7.74E-02	1.09E-02	4.59E-01	4.89E-01	8.29E+01	7.74E-01	5.56E-02	8.42E+01	4.74E-01	1.05E-03	7.74E-02	1.09E-02	5.63E-01
1263	489885.89	3859076.54	3.53E-01	8.37E-04	7.80E-02	1.08E-02	4.43E-01	4.66E-01	8.03E+01	7.80E-01	5.51E-02	8.16E+01	4.53E-01	1.01E-03	7.80E-02	1.08E-02	5.42E-01
1264	489935.89	3859076.54	3.34E-01	8.13E-04	7.77E-02	1.07E-02	4.24E-01	4.42E-01	7.79E+01	7.77E-01	5.45E-02	7.92E+01	4.29E-01	9.85E-04	7.77E-02	1.07E-02	5.18E-01
1265	489985.89	3859076.54	3.15E-01	7.84E-04	7.67E-02	1.05E-02	4.03E-01	4.16E-01	7.52E+01	7.67E-01	5.38E-02	7.64E+01	4.03E-01	9.50E-04	7.67E-02	1.05E-02	4.92E-01
1266	490035.89	3859076.54	2.95E-01	7.28E-04	7.49E-02	1.04E-02	3.81E-01	3.90E-01	6.99E+01	7.49E-01	5.31E-02	7.10E+01	3.79E-01	8.82E-04	7.49E-02	1.04E-02	4.65E-01
1267	489585.89	3859126.54	4.05E-01	9.77E-04	7.20E-02	1.12E-02	4.89E-01	5.35E-01	9.37E+01	7.20E-01	5.74E-02	9.50E+01	5.19E-01	1.18E-03	7.20E-02	1.12E-02	6.03E-01
1268	489635.89	3859126.54	4.06E-01	9.52E-04	7.05E-02	1.12E-02	4.89E-01	5.37E-01	9.13E+01	7.05E-01	5.73E-02	9.26E+01	5.21E-01	1.15E-03	7.05E-02	1.12E-02	6.04E-01
1269	489685.89	3859126.54	4.04E-01	9.25E-04	6.86E-02	1.12E-02	4.85E-01	5.34E-01	8.87E+01	6.86E-01	5.70E-02	9.00E+01	5.18E-01	1.12E-03	6.86E-02	1.12E-02	5.99E-01
1270	489735.89	3859126.54	3.99E-01	8.99E-04	6.77E-02	1.11E-02	4.79E-01	5.27E-01	8.62E+01	6.77E-01	5.67E-02	8.75E+01	5.12E-01	1.09E-03	6.77E-02	1.11E-02	5.92E-01
1271	489785.89	3859126.54	3.91E-01	8.75E-04	7.11E-02	1.10E-02	4.74E-01	5.16E-01	8.39E+01	7.11E-01	5.63E-02	8.52E+01	5.01E-01	1.06E-03	7.11E-02	1.10E-02	5.84E-01
1272	489835.89	3859126.54	3.80E-01	8.49E-04	7.38E-02	1.09E-02	4.66E-01	5.02E-01	8.14E+01	7.38E-01	5.59E-02	8.27E+01	4.87E-01	1.03E-03	7.38E-02	1.09E-02	5.73E-01
1273	489885.89	3859126.54	3.67E-01	8.21E-04	7.57E-02	1.08E-02	4.54E-01	4.85E-01	7.88E+01	7.57E-01	5.54E-02	8.01E+01	4.71E-01	9.95E-04	7.57E-02	1.08E-02	5.58E-01
1274	489935.89	3859126.54	3.52E-01	8.00E-04	7.67E-02	1.07E-02	4.40E-01	4.64E-01	7.67E+01	7.67E-01	5.48E-02	7.80E+01	4.51E-01	9.69E-04	7.67E-02	1.07E-02	5.39E-01
1275	489985.89	3859126.54	3.35E-01	7.64E-04	7.69E-02	1.06E-02	4.23E-01	4.43E-01	7.33E+01	7.69E-01	5.42E-02	7.46E+01	4.30E-01	9.26E-04	7.69E-02	1.06E-02	5.18E-01
1276	490035.89	3859126.54	3.17E-01	7.29E-04	7.63E-02	1.05E-02	4.05E-01	4.19E-01	6.99E+01	7.63E-01	5.35E-02	7.12E+01	4.07E-01	8.83E-04	7.63E-02	1.05E-02	4.94E-01
1277	489585.89	3859176.54	3.88E-01	9.49E-04	7.12E-02	1.13E-02	4.71E-01	5.13E-01	9.10E+01	7.12E-01	5.75E-02	9.23E+01	4.98E-01	1.15E-03	7.12E-02	1.13E-02	5.81E-01

1278	489635.89	3859176.54	3.94E-01	9.24E-04	7.06E-02	1.12E-02	4.76E-01	5.20E-01	8.86E+01	7.06E-01	5.73E-02	8.99E+01	5.05E-01	1.12E-03	7.06E-02	1.12E-02	5.88E-01
1279	489685.89	3859176.54	3.96E-01	9.02E-04	6.94E-02	1.12E-02	4.77E-01	5.23E-01	8.65E+01	6.94E-01	5.70E-02	8.77E+01	5.08E-01	1.09E-03	6.94E-02	1.12E-02	5.89E-01
1280	489735.89	3859176.54	3.95E-01	8.80E-04	6.77E-02	1.11E-02	4.75E-01	5.22E-01	8.44E+01	6.77E-01	5.67E-02	8.56E+01	5.06E-01	1.07E-03	6.77E-02	1.11E-02	5.86E-01
1281	489785.89	3859176.54	3.91E-01	8.53E-04	6.57E-02	1.10E-02	4.69E-01	5.17E-01	8.18E+01	6.57E-01	5.63E-02	8.31E+01	5.02E-01	1.03E-03	6.57E-02	1.10E-02	5.80E-01
1282	489835.89	3859176.54	3.85E-01	8.30E-04	6.85E-02	1.09E-02	4.65E-01	5.08E-01	7.96E+01	6.85E-01	5.59E-02	8.09E+01	4.93E-01	1.01E-03	6.85E-02	1.09E-02	5.74E-01
1283	489885.89	3859176.54	3.76E-01	8.06E-04	7.15E-02	1.09E-02	4.59E-01	4.96E-01	7.73E+01	7.15E-01	5.54E-02	7.85E+01	4.81E-01	9.76E-04	7.15E-02	1.09E-02	5.65E-01
1284	489935.89	3859176.54	3.64E-01	7.86E-04	7.37E-02	1.08E-02	4.49E-01	4.80E-01	7.54E+01	7.37E-01	5.49E-02	7.67E+01	4.66E-01	9.53E-04	7.37E-02	1.08E-02	5.51E-01
1285	489985.89	3859176.54	3.50E-01	7.54E-04	7.51E-02	1.06E-02	4.37E-01	4.63E-01	7.23E+01	7.51E-01	5.44E-02	7.35E+01	4.49E-01	9.13E-04	7.51E-02	1.06E-02	5.36E-01
1286	490035.89	3859176.54	3.34E-01	7.37E-04	7.57E-02	1.05E-02	4.21E-01	4.42E-01	7.06E+01	7.57E-01	5.38E-02	7.19E+01	4.29E-01	8.92E-04	7.57E-02	1.05E-02	5.16E-01
1287	489685.89	3859226.54	3.83E-01	8.72E-04	6.93E-02	1.11E-02	4.64E-01	5.06E-01	8.37E+01	6.93E-01	5.67E-02	8.49E+01	4.91E-01	1.06E-03	6.93E-02	1.11E-02	5.72E-01
1288	489735.89	3859226.54	3.86E-01	8.56E-04	6.83E-02	1.10E-02	4.66E-01	5.10E-01	8.21E+01	6.83E-01	5.64E-02	8.33E+01	4.95E-01	1.04E-03	6.83E-02	1.10E-02	5.75E-01
1289	489785.89	3859226.54	3.86E-01	8.34E-04	6.69E-02	1.10E-02	4.65E-01	5.10E-01	8.00E+01	6.69E-01	5.61E-02	8.12E+01	4.95E-01	1.01E-03	6.69E-02	1.10E-02	5.74E-01
1290	489835.89	3859226.54	3.84E-01	8.09E-04	6.51E-02	1.09E-02	4.61E-01	5.07E-01	7.76E+01	6.51E-01	5.57E-02	7.88E+01	4.92E-01	9.80E-04	6.51E-02	1.09E-02	5.69E-01
1291	489885.89	3859226.54	3.79E-01	7.88E-04	6.59E-02	1.08E-02	4.56E-01	5.00E-01	7.56E+01	6.59E-01	5.53E-02	7.68E+01	4.85E-01	9.55E-04	6.59E-02	1.08E-02	5.63E-01
1292	489935.89	3859226.54	3.71E-01	7.67E-04	6.91E-02	1.07E-02	4.51E-01	4.90E-01	7.36E+01	6.91E-01	5.48E-02	7.48E+01	4.75E-01	9.29E-04	6.91E-02	1.07E-02	5.56E-01
1293	489985.89	3859226.54	3.61E-01	7.31E-04	7.15E-02	1.06E-02	4.44E-01	4.77E-01	7.01E+01	7.15E-01	5.43E-02	7.14E+01	4.63E-01	8.86E-04	7.15E-02	1.06E-02	5.46E-01
1294	490035.89	3859226.54	3.48E-01	7.19E-04	7.32E-02	1.05E-02	4.33E-01	4.60E-01	6.90E+01	7.32E-01	5.38E-02	7.02E+01	4.46E-01	8.71E-04	7.32E-02	1.05E-02	5.31E-01
1295	489735.89	3859276.54	3.72E-01	8.29E-04	6.79E-02	1.09E-02	4.52E-01	4.91E-01	7.95E+01	6.79E-01	5.59E-02	8.08E+01	4.77E-01	1.00E-03	6.79E-02	1.09E-02	5.57E-01
1296	489785.89	3859276.54	3.76E-01	8.11E-04	6.71E-02	1.09E-02	4.55E-01	4.97E-01	7.78E+01	6.71E-01	5.56E-02	7.90E+01	4.82E-01	9.83E-04	6.71E-02	1.09E-02	5.61E-01
1297	489835.89	3859276.54	3.78E-01	7.87E-04	6.60E-02	1.08E-02	4.55E-01	4.99E-01	7.54E+01	6.60E-01	5.52E-02	7.66E+01	4.84E-01	9.53E-04	6.60E-02	1.08E-02	5.62E-01
1298	489885.89	3859276.54	3.76E-01	7.68E-04	6.45E-02	1.07E-02	4.52E-01	4.97E-01	7.36E+01	6.45E-01	5.49E-02	7.48E+01	4.82E-01	9.30E-04	6.45E-02	1.07E-02	5.58E-01
1299	489935.89	3859276.54	3.72E-01	7.45E-04	6.32E-02	1.07E-02	4.47E-01	4.92E-01	7.14E+01	6.32E-01	5.45E-02	7.26E+01	4.77E-01	9.02E-04	6.32E-02	1.07E-02	5.52E-01
1300	489985.89	3859276.54	3.67E-01	7.06E-04	6.65E-02	1.06E-02	4.45E-01	4.85E-01	6.77E+01	6.65E-01	5.40E-02	6.89E+01	4.70E-01	8.56E-04	6.65E-02	1.06E-02	5.48E-01
1301	490035.89	3859276.54	3.56E-01	7.04E-04	6.92E-02	1.05E-02	4.37E-01	4.71E-01	6.75E+01	6.92E-01	5.37E-02	6.88E+01	4.57E-01	8.53E-04	6.92E-02	1.05E-02	5.38E-01
1302	490458.06	3859590.74	3.08E-01	5.79E-04	5.86E-02	1.07E-02	3.78E-01	4.07E-01	5.55E+01	5.86E-01	5.46E-02	5.66E+01	3.95E-01	7.01E-04	5.86E-02	1.07E-02	4.65E-01
1303	490508.06	3859590.74	3.00E-01	5.65E-04	6.10E-02	1.07E-02	3.72E-01	3.96E-01	5.42E+01	6.10E-01	5.47E-02	5.53E+01	3.85E-01	6.85E-04	6.10E-02	1.07E-02	4.57E-01
1304	490558.06	3859590.74	2.91E-01	5.51E-04	6.30E-02	1.07E-02	3.65E-01	3.84E-01	5.29E+01	6.30E-01	5.47E-02	5.39E+01	3.73E-01	6.68E-04	6.30E-02	1.07E-02	4.47E-01
1305	490608.06	3859590.74	2.80E-01	5.36E-04	6.43E-02	1.07E-02	3.55E-01	3.70E-01	5.14E+01	6.43E-01	5.44E-02	5.24E+01	3.59E-01	6.49E-04	6.43E-02	1.07E-02	4.34E-01
1306	490658.06	3859590.74	2.68E-01	5.19E-04	6.51E-02	1.06E-02	3.44E-01	3.54E-01	4.98E+01	6.51E-01	5.41E-02	5.08E+01	3.43E-01	6.29E-04	6.51E-02	1.06E-02	4.20E-01
1307	490708.06	3859590.74	2.55E-01	5.01E-04	6.56E-02	1.05E-02	3.32E-01	3.37E-01	4.81E+01	6.56E-01	5.39E-02	4.91E+01	3.27E-01	6.07E-04	6.56E-02	1.05E-02	4.04E-01
1308	490758.06	3859590.74	2.41E-01	4.81E-04	6.56E-02	1.05E-02	3.18E-01	3.19E-01	4.61E+01	6.56E-01	5.35E-02	4.72E+01	3.09E-01	5.83E-04	6.56E-02	1.05E-02	3.86E-01
1309	490808.06	3859590.74	2.29E-01	4.65E-04	6.53E-02	1.04E-02	3.05E-01	3.03E-01	4.46E+01	6.53E-01	5.33E-02	4.56E+01	2.94E-01	5.63E-04	6.53E-02	1.04E-02	3.70E-01
1310	490858.06	3859590.74	2.27E-01	4.47E-04	6.46E-02	1.04E-02	3.02E-01	3.00E-01	4.29E+01	6.46E-01	5.30E-02	4.39E+01	2.91E-01	5.41E-04	6.46E-02	1.04E-02	3.67E-01
1311	490458.06	3859640.74	3.09E-01	5.89E-04	5.36E-02	1.08E-02	3.74E-01	4.09E-01	5.65E+01	5.36E-01	5.50E-02	5.75E+01	3.97E-01	7.14E-04	5.36E-02	1.08E-02	4.62E-01
1312	490508.06	3859640.74	3.04E-01	5.78E-04	5.63E-02	1.08E-02	3.72E-01	4.01E-01	5.54E+01	5.63E-01	5.51E-02	5.64E+01	3.90E-01	7.00E-04	5.63E-02	1.08E-02	4.57E-01
1313	490558.06	3859640.74	2.97E-01	5.66E-04	5.87E-02	1.08E-02	3.67E-01	3.92E-01	5.43E+01	5.87E-01	5.52E-02	5.53E+01	3.80E-01	6.86E-04	5.87E-02	1.08E-02	4.51E-01
1314	490608.06	3859640.74	2.88E-01	5.52E-04	6.09E-02	1.07E-02	3.61E-01	3.81E-01	5.29E+01	6.09E-01	5.49E-02	5.39E+01	3.70E-01	6.68E-04	6.09E-02	1.07E-02	4.42E-01
1315	490658.06	3859640.74	2.79E-01	5.35E-04	6.25E-02	1.07E-02	3.52E-01	3.68E-01	5.13E+01	6.25E-01	5.45E-02	5.24E+01	3.57E-01	6.48E-04	6.25E-02	1.07E-02	4.31E-01
1316	490708.06	3859640.74	2.68E-01	5.20E-04	6.35E-02	1.06E-02	3.42E-01	3.54E-01	4.98E+01	6.35E-01	5.42E-02	5.09E+01	3.43E-01	6.30E-04	6.35E-02	1.06E-02	4.18E-01
1317	490758.06	3859640.74	2.56E-01	5.02E-04	6.42E-02	1.05E-02	3.31E-01	3.38E-01	4.81E+01	6.42E-01	5.39E-02	4.92E+01	3.28E-01	6.08E-04	6.42E-02	1.05E-02	4.03E-01
1318	490808.06	3859640.74	2.42E-01	4.89E-04	6.45E-02	1.05E-02	3.18E-01	3.20E-01	4.69E+01	6.45E-01	5.36E-02	4.79E+01	3.10E-01	5.92E-04	6.45E-02	1.05E-02	3.86E-01
1319	490858.06	3859640.74	2.28E-01	4.76E-04	6.45E-02	1.04E-02	3.04E-01	3.01E-01	4.56E+01	6.45E-01	5.33E-02	4.66E+01	2.93E-01	5.76E-04	6.45E-02	1.04E-02	3.68E-01
1320	490608.06	3859690.74	2.94E-01	5.61E-04	5.66E-02	1.08E-02	3.62E-01	3.88E-01	5.38E+01	5.66E-01	5.49E-02	5.48E+01	3.77E-01	6.80E-04	5.66E-02	1.08E-02	4.45E-01
1321	490658.06	3859690.74	2.86E-01	5.47E-04	5.89E-02	1.07E-02	3.57E-01	3.78E-01	5.24E+01	5.89E-01	5.45E-02	5.35E+01	3.67E-01	6.62E-04	5.89E-02	1.07E-02	4.38E-01
1322	490708.06	3859690.74	2.77E-01	5.33E-04	6.06E-02	1.06E-02	3.49E-01	3.66E-01	5.11E+01	6.06E-01	5.42E-02	5.21E+01	3.56E-01	6.45E-04	6.06E-02	1.06E-02	4.27E-01
1323	490758.06	3859690.74	2.67E-01	5.16E-04	6.18E-02	1.05E-02	3.40E-01	3.53E-01	4.95E+01	6.18E-01	5.38E-02	5.05E+01	3.43E-01	6.25E-04	6.18E-02	1.05E-02	4.16E-01
1324	490808.06	3859690.74	2.56E-01	5.02E-04	6.27E-02	1.05E-02	3.29E-01	3.38E-01	4.81E+01	6.27E-01	5.35E-02	4.91E+01	3.28E-01	6.08E-04	6.27E-02	1.05E-02	4.01E-01
1325	490858.06	3859690.74	2.43E-01	4.95E-04	6.33E-02	1.04E-02	3.17E-01	3.20E-01	4.74E+01	6.33E-01	5.33E-02	4.85E+01	3.11E-01	5.99E-04	6.33E-02	1.04E-02	3.85E-01
1326	490708.06	3859740.74	2.84E-01	5.38E-04	5.68E-02	1.05E-02	3.52E-01	3.75E-01	5.16E+01	5.68E-01	5.38E-02	5.26E+01	3.64E-01	6.52E-04	5.68E-02	1.05E-02	4.32E-01
1327	490758.06	3859740.74	2.75E-01	5.29E-04	5.87E-02	1.05E-02	3.45E-01	3.63E-01	5.07E+01	5.87E-01	5.35E-02	5.17E+01	3.53E-01	6.40E-04	5.87E-02	1.05E-02	4.22E-01
1328	490808.06	3859740.74	2.65E-01	5.17E-04	6.01E-02	1.04E-02	3.36E-01	3.51E-01	4.96E+01	6.01E-01	5.32E-02	5.06E+01	3.40E-01	6.26E-04	6.01E-02	1.04E-02	4.11E-01
1329	490858.06	3859740.74	2.54E-01	5.07E-04	6.12E-02	1.04E-02	3.26E-01	3.36E-01	4.86E+01	6.12E-01	5.29E-02	4.96E+01	3.26E-01	6.14E-04	6.12E-02	1.04E-02	3.98E-01
1330	490786.56	3859749.39	2.71E-01	5.23E-04	5.90E-02	1.04E-02	3.41E-01	3.58E-01	5.01E+01	5.90E-01	5.33E-02	5.11E+01	3.47E-01	6.33E-04	5.90E-02	1.04E-02	4.17E-01
1331	490836.56	3859749.39	2.61E-01	5.12E-04	6.03E-02	1.04E-02	3.32E-01	3.45E-01	4.91E+01	6.03E-01	5.29E-02	5.01E+01	3.34E-01	6.20E-04	6.03E-02	1.04E-02	4.06E-01
1332	490786.56	3859799.39	2.77E-01	5.20E-04	5.50E-02	1.03E-02	3.42E-01	3.65E-01	4.99E+01	5.50E-01	5.24E-02	5.08E+01	3.55E-01	6.30E-04	5.50E-02	1.03E-02	4.21E-01
1333	490836.56	3859799.39	2.69E-01	5.10E-04	5.70E-02	1.02E-02	3.36E-01	3.55E-01	4.89E+01	5.70E-01	5.21E-02	4.98E+01	3.44E-01	6.17E-04	5.70E-02	1.02E-02	4.12E-01
1334	492307.84	3854508.36	1.52E-01	3.79E-05	1.19E-01	1.05E-02	2.82E-01	2.01E-01	3.64E+00	1.19E+00	5.36E-02	5.09E+00	1.95E-01	4.60E-05	1.19E-01	1.05E-02	3.25E-01
1335	486445.7	3854753.6	1.57E-01	4.48E-05	1.38E-01	2.88E-02	3.24E-01	2.07E-01	4.30E+00	1.38E+00	1.47E-01	6.03E+00	2.01E-01	5.43E-05	1.38E-01	2.88E-02	3.68E-01
1336	472599.75	3877830.11	2.59E-02	3.17E-05	9.89E-03	3.51E-03	3.94E-02	3.43E-02	3.04E+00	9.89E-02	1.79E-02	3.19E+00	3.32E-02	3.84E-05	9.89E-03	3.51E-03	4.67E-02
1337	493107.48	3866840.19	8.48E-02	6.91E-05	2.30E-02	3.87E-02	1.47E-01	1.12E-01	6.63E+00	2.30E-01	1.98E-01	7.17E+00	1.09E-01	8.37E-05	2.30E-02	3.87E-02	1.70E-01
1338	495815.8	3861662.87	1.60E-01	1.35E-04	3.00E-02	7.16E-03	1.97E-01	2.12E-01	1.29E+01	3.00E-01	3.66E-02	1.35E+01	2.05E-01	1.64E-04	3.00E-02	7.16E-03	2.43E-01

1339	480272.33	3841389.2	2.76E-02	1.70E-05	6.82E-03	3.84E-03	3.83E-02	3.64E-02	1.63E+00	6.82E-02	1.96E-02	1.76E+00	3.53E-02	2.06E-05	6.82E-03	3.84E-03	4.60E-02
1340	497005.18	3862813.64	1.05E-01	1.36E-04	2.44E-02	6.27E-03	1.36E-01	1.39E-01	1.30E+01	2.44E-01	3.20E-02	1.34E+01	1.35E-01	1.64E-04	2.44E-02	6.27E-03	1.66E-01
1341	493677.33	3860302.55	2.37E-01	2.51E-04	5.17E-02	8.40E-03	2.98E-01	3.13E-01	2.41E+01	5.17E-01	4.29E-02	2.49E+01	3.04E-01	3.04E-04	5.17E-02	8.40E-03	3.64E-01
1342	493727.33	3860302.55	2.32E-01	2.49E-04	5.17E-02	8.39E-03	2.93E-01	3.07E-01	2.39E+01	5.17E-01	4.29E-02	2.47E+01	2.98E-01	3.01E-04	5.17E-02	8.39E-03	3.58E-01
1343	493777.33	3860302.55	2.27E-01	2.46E-04	5.13E-02	8.38E-03	2.87E-01	3.00E-01	2.36E+01	5.13E-01	4.28E-02	2.45E+01	2.91E-01	2.98E-04	5.13E-02	8.38E-03	3.51E-01
1344	493827.33	3860302.55	2.22E-01	2.44E-04	5.08E-02	8.37E-03	2.81E-01	2.93E-01	2.34E+01	5.08E-01	4.28E-02	2.42E+01	2.84E-01	2.95E-04	5.08E-02	8.37E-03	3.44E-01
1345	493877.33	3860302.55	2.16E-01	2.42E-04	5.04E-02	8.36E-03	2.75E-01	2.85E-01	2.32E+01	5.04E-01	4.27E-02	2.40E+01	2.77E-01	2.93E-04	5.04E-02	8.36E-03	3.36E-01
1346	493927.33	3860302.55	2.10E-01	2.41E-04	5.00E-02	8.36E-03	2.68E-01	2.77E-01	2.31E+01	5.00E-01	4.27E-02	2.39E+01	2.69E-01	2.91E-04	5.00E-02	8.36E-03	3.28E-01
1347	493977.33	3860302.55	2.04E-01	2.36E-04	4.85E-02	8.33E-03	2.61E-01	2.70E-01	2.27E+01	4.85E-01	4.26E-02	2.35E+01	2.62E-01	2.86E-04	4.85E-02	8.33E-03	3.19E-01
1348	494027.33	3860302.55	1.99E-01	2.33E-04	4.74E-02	8.32E-03	2.55E-01	2.63E-01	2.24E+01	4.74E-01	4.25E-02	2.31E+01	2.55E-01	2.82E-04	4.74E-02	8.32E-03	3.11E-01
1349	493677.33	3860352.55	2.41E-01	2.49E-04	5.09E-02	8.12E-03	3.00E-01	3.19E-01	2.38E+01	5.09E-01	4.15E-02	2.47E+01	3.09E-01	3.01E-04	5.09E-02	8.12E-03	3.69E-01
1350	493727.33	3860352.55	2.37E-01	2.47E-04	5.13E-02	8.12E-03	2.97E-01	3.13E-01	2.37E+01	5.13E-01	4.15E-02	2.46E+01	3.04E-01	2.99E-04	5.13E-02	8.12E-03	3.63E-01
1351	493777.33	3860352.55	2.32E-01	2.46E-04	5.15E-02	8.11E-03	2.92E-01	3.07E-01	2.36E+01	5.15E-01	4.14E-02	2.44E+01	2.98E-01	2.98E-04	5.15E-02	8.11E-03	3.57E-01
1352	493827.33	3860352.55	2.27E-01	2.44E-04	5.17E-02	8.11E-03	2.87E-01	3.00E-01	2.34E+01	5.17E-01	4.14E-02	2.42E+01	2.91E-01	2.95E-04	5.17E-02	8.11E-03	3.52E-01
1353	493877.33	3860352.55	2.22E-01	2.42E-04	5.18E-02	8.10E-03	2.82E-01	2.94E-01	2.32E+01	5.18E-01	4.14E-02	2.40E+01	2.85E-01	2.93E-04	5.18E-02	8.10E-03	3.45E-01
1354	493927.33	3860352.55	2.17E-01	2.39E-04	5.13E-02	8.09E-03	2.77E-01	2.87E-01	2.29E+01	5.13E-01	4.13E-02	2.38E+01	2.79E-01	2.90E-04	5.13E-02	8.09E-03	3.38E-01
1355	493977.33	3860352.55	2.12E-01	2.36E-04	5.03E-02	8.07E-03	2.71E-01	2.80E-01	2.26E+01	5.03E-01	4.12E-02	2.34E+01	2.72E-01	2.86E-04	5.03E-02	8.07E-03	3.31E-01
1356	494027.33	3860352.55	2.07E-01	2.34E-04	4.97E-02	8.07E-03	2.65E-01	2.73E-01	2.24E+01	4.97E-01	4.12E-02	2.32E+01	2.65E-01	2.83E-04	4.97E-02	8.07E-03	3.23E-01
1357	493677.33	3860402.55	2.43E-01	2.45E-04	4.71E-02	7.82E-03	2.98E-01	3.21E-01	2.35E+01	4.71E-01	4.00E-02	2.43E+01	3.12E-01	2.97E-04	4.71E-02	7.82E-03	3.67E-01
1358	493727.33	3860402.55	2.40E-01	2.44E-04	4.77E-02	7.82E-03	2.95E-01	3.16E-01	2.34E+01	4.77E-01	4.00E-02	2.42E+01	3.07E-01	2.95E-04	4.77E-02	7.82E-03	3.63E-01
1359	493777.33	3860402.55	2.36E-01	2.42E-04	4.96E-02	7.81E-03	2.94E-01	3.12E-01	2.32E+01	4.96E-01	3.99E-02	2.40E+01	3.03E-01	2.93E-04	4.96E-02	7.81E-03	3.61E-01
1360	493827.33	3860402.55	2.32E-01	2.40E-04	4.96E-02	7.82E-03	2.90E-01	3.06E-01	2.31E+01	4.96E-01	3.99E-02	2.39E+01	2.97E-01	2.91E-04	4.96E-02	7.82E-03	3.55E-01
1361	493877.33	3860402.55	2.27E-01	2.39E-04	4.99E-02	7.81E-03	2.85E-01	3.00E-01	2.29E+01	4.99E-01	3.99E-02	2.38E+01	2.92E-01	2.90E-04	4.99E-02	7.81E-03	3.49E-01
1362	493927.33	3860402.55	2.23E-01	2.37E-04	5.12E-02	7.80E-03	2.83E-01	2.95E-01	2.27E+01	5.12E-01	3.99E-02	2.35E+01	2.86E-01	2.87E-04	5.12E-02	7.80E-03	3.46E-01
1363	493977.33	3860402.55	2.19E-01	2.34E-04	5.13E-02	7.79E-03	2.78E-01	2.89E-01	2.24E+01	5.13E-01	3.98E-02	2.33E+01	2.81E-01	2.83E-04	5.13E-02	7.79E-03	3.40E-01
1364	494027.33	3860402.55	2.14E-01	2.32E-04	5.12E-02	7.79E-03	2.73E-01	2.82E-01	2.23E+01	5.12E-01	3.98E-02	2.31E+01	2.74E-01	2.82E-04	5.12E-02	7.79E-03	3.33E-01
1365	493677.33	3860452.55	2.44E-01	2.39E-04	4.34E-02	7.50E-03	2.95E-01	3.22E-01	2.29E+01	4.34E-01	3.83E-02	2.37E+01	3.13E-01	2.90E-04	4.34E-02	7.50E-03	3.64E-01
1366	493727.33	3860452.55	2.41E-01	2.38E-04	4.36E-02	7.51E-03	2.92E-01	3.18E-01	2.29E+01	4.36E-01	3.84E-02	2.37E+01	3.08E-01	2.89E-04	4.36E-02	7.51E-03	3.60E-01
1367	493777.33	3860452.55	2.38E-01	2.37E-04	4.46E-02	7.51E-03	2.90E-01	3.14E-01	2.27E+01	4.46E-01	3.84E-02	2.35E+01	3.05E-01	2.87E-04	4.46E-02	7.51E-03	3.57E-01
1368	493827.33	3860452.55	2.35E-01	2.36E-04	4.62E-02	7.51E-03	2.89E-01	3.10E-01	2.26E+01	4.62E-01	3.83E-02	2.34E+01	3.01E-01	2.85E-04	4.62E-02	7.51E-03	3.55E-01
1369	493877.33	3860452.55	2.31E-01	2.34E-04	4.75E-02	7.50E-03	2.87E-01	3.06E-01	2.25E+01	4.75E-01	3.83E-02	2.33E+01	2.97E-01	2.84E-04	4.75E-02	7.50E-03	3.52E-01
1370	493927.33	3860452.55	2.28E-01	2.32E-04	4.97E-02	7.49E-03	2.86E-01	3.02E-01	2.22E+01	4.97E-01	3.83E-02	2.31E+01	2.93E-01	2.81E-04	4.97E-02	7.49E-03	3.50E-01
1371	493977.33	3860452.55	2.24E-01	2.30E-04	5.02E-02	7.49E-03	2.82E-01	2.96E-01	2.21E+01	5.02E-01	3.83E-02	2.29E+01	2.87E-01	2.79E-04	5.02E-02	7.49E-03	3.45E-01
1372	494027.33	3860452.55	2.19E-01	2.29E-04	5.05E-02	7.49E-03	2.77E-01	2.90E-01	2.20E+01	5.05E-01	3.83E-02	2.28E+01	2.81E-01	2.78E-04	5.05E-02	7.49E-03	3.39E-01
1373	493677.33	3860502.55	2.42E-01	2.33E-04	3.92E-02	7.16E-03	2.89E-01	3.20E-01	2.23E+01	3.92E-01	3.66E-02	2.31E+01	3.11E-01	2.82E-04	3.92E-02	7.16E-03	3.57E-01
1374	493727.33	3860502.55	2.40E-01	2.32E-04	4.00E-02	7.17E-03	2.88E-01	3.18E-01	2.22E+01	4.00E-01	3.66E-02	2.30E+01	3.08E-01	2.81E-04	4.00E-02	7.17E-03	3.56E-01
1375	493777.33	3860502.55	2.38E-01	2.31E-04	4.12E-02	7.18E-03	2.87E-01	3.15E-01	2.21E+01	4.12E-01	3.67E-02	2.29E+01	3.06E-01	2.79E-04	4.12E-02	7.18E-03	3.54E-01
1376	493827.33	3860502.55	2.36E-01	2.29E-04	4.24E-02	7.18E-03	2.86E-01	3.12E-01	2.20E+01	4.24E-01	3.67E-02	2.28E+01	3.02E-01	2.78E-04	4.24E-02	7.18E-03	3.52E-01
1377	493877.33	3860502.55	2.34E-01	2.28E-04	4.41E-02	7.18E-03	2.85E-01	3.08E-01	2.19E+01	4.41E-01	3.67E-02	2.27E+01	2.99E-01	2.76E-04	4.41E-02	7.18E-03	3.51E-01
1378	493927.33	3860502.55	2.31E-01	2.27E-04	4.60E-02	7.17E-03	2.84E-01	3.05E-01	2.17E+01	4.60E-01	3.66E-02	2.25E+01	2.96E-01	2.74E-04	4.60E-02	7.17E-03	3.50E-01
1379	493977.33	3860502.55	2.27E-01	2.25E-04	4.66E-02	7.18E-03	2.81E-01	3.00E-01	2.16E+01	4.66E-01	3.67E-02	2.24E+01	2.91E-01	2.73E-04	4.66E-02	7.18E-03	3.45E-01
1380	494027.33	3860502.55	2.23E-01	2.24E-04	4.74E-02	7.18E-03	2.78E-01	2.95E-01	2.15E+01	4.74E-01	3.67E-02	2.23E+01	2.86E-01	2.72E-04	4.74E-02	7.18E-03	3.41E-01
1381	493627.33	3860552.55	2.39E-01	2.30E-04	4.00E-02	6.79E-03	2.86E-01	3.16E-01	2.20E+01	4.00E-01	3.47E-02	2.28E+01	3.07E-01	2.78E-04	4.00E-02	6.79E-03	3.54E-01
1382	493677.33	3860552.55	2.39E-01	2.28E-04	3.91E-02	6.81E-03	2.85E-01	3.16E-01	2.18E+01	3.91E-01	3.48E-02	2.26E+01	3.06E-01	2.76E-04	3.91E-02	6.81E-03	3.52E-01
1383	493727.33	3860552.55	2.38E-01	2.25E-04	3.83E-02	6.83E-03	2.83E-01	3.14E-01	2.16E+01	3.83E-01	3.49E-02	2.23E+01	3.05E-01	2.73E-04	3.83E-02	6.83E-03	3.50E-01
1384	493777.33	3860552.55	2.37E-01	2.24E-04	3.75E-02	6.83E-03	2.82E-01	3.13E-01	2.15E+01	3.75E-01	3.49E-02	2.22E+01	3.04E-01	2.71E-04	3.75E-02	6.83E-03	3.48E-01
1385	493827.33	3860552.55	2.36E-01	2.22E-04	3.90E-02	6.83E-03	2.82E-01	3.12E-01	2.13E+01	3.90E-01	3.49E-02	2.21E+01	3.03E-01	2.69E-04	3.90E-02	6.83E-03	3.49E-01
1386	493877.33	3860552.55	2.34E-01	2.22E-04	4.00E-02	6.84E-03	2.81E-01	3.09E-01	2.12E+01	4.00E-01	3.50E-02	2.20E+01	3.00E-01	2.68E-04	4.00E-02	6.84E-03	3.47E-01
1387	493927.33	3860552.55	2.32E-01	2.20E-04	4.16E-02	6.84E-03	2.81E-01	3.06E-01	2.11E+01	4.16E-01	3.50E-02	2.19E+01	2.97E-01	2.67E-04	4.16E-02	6.84E-03	3.46E-01
1388	493977.33	3860552.55	2.29E-01	2.19E-04	4.34E-02	6.84E-03	2.80E-01	3.03E-01	2.10E+01	4.34E-01	3.50E-02	2.18E+01	2.94E-01	2.65E-04	4.34E-02	6.84E-03	3.45E-01
1389	494027.33	3860552.55	2.26E-01	2.18E-04	4.42E-02	6.85E-03	2.77E-01	2.99E-01	2.09E+01	4.42E-01	3.50E-02	2.17E+01	2.90E-01	2.64E-04	4.42E-02	6.85E-03	3.41E-01
1390	493627.33	3860602.55	2.34E-01	2.28E-04	4.06E-02	6.70E-03	2.81E-01	3.09E-01	2.19E+01	4.06E-01	3.42E-02	2.26E+01	3.00E-01	2.77E-04	4.06E-02	6.70E-03	3.47E-01
1391	493727.33	3860602.55	2.33E-01	2.23E-04	3.91E-02	6.66E-03	2.79E-01	3.08E-01	2.14E+01	3.91E-01	3.40E-02	2.22E+01	2.99E-01	2.71E-04	3.91E-02	6.66E-03	3.45E-01
1392	493777.33	3860602.55	2.34E-01	2.21E-04	3.86E-02	6.63E-03	2.80E-01	3.09E-01	2.12E+01	3.86E-01	3.39E-02	2.19E+01	3.00E-01	2.67E-04	3.86E-02	6.63E-03	3.46E-01
1393	493827.33	3860602.55	2.34E-01	2.18E-04	3.78E-02	6.60E-03	2.78E-01	3.09E-01	2.09E+01	3.78E-01	3.37E-02	2.17E+01	2.99E-01	2.64E-04	3.78E-02	6.60E-03	3.44E-01
1394	493877.33	3860602.55	2.33E-01	2.16E-04	3.72E-02	6.57E-03	2.77E-01	3.08E-01	2.07E+01	3.72E-01	3.35E-02	2.14E+01	2.99E-01	2.61E-04	3.72E-02	6.57E-03	3.43E-01
1395	493927.33	3860602.55	2.32E-01	2.14E-04	3.81E-02	6.54E-03	2.77E-01	3.06E-01	2.05E+01	3.81E-01	3.34E-02	2.13E+01	2.97E-01	2.59E-04	3.81E-02	6.54E-03	3.42E-01
1396	493977.33	3860602.55	2.30E-01	2.12E-04	3.96E-02	6.50E-03	2.76E-01	3.04E-01	2.04E+01	3.96E-01	3.32E-02	2.11E+01	2.95E-01	2.57E-04	3.96E-02	6.50E-03	3.41E-01
1397	494027.33	3860602.55	2.27E-01	2.12E-04	4.05E-02	6.52E-03	2.75E-01	3.00E-01	2.04E+01	4.05E-01	3.33E-02	2.11E+01	2.92E-01	2.57E-04	4.05E-02	6.52E-03	3.39E-01
1398	493627.33	3860652.55	2.26E-01	2.26E-04	4.09E-02	6.76E-03	2.74E-01	2.99E-01	2.17E+01	4.09E-01	3.45E-02	2.24E+01	2.90E-01	2.74E-04	4.09E-02	6.76E-03	3.38E-01
1399	493727.33	3860652.55	2.28E-01	2.21E-04	3.97E-02	6.67E-03	2.74E-01	3.01E-01	2.12E+01	3.97E-01	3.41E-02	2.19E+01	2.92E-01	2.68E-04	3.97E-02	6.67E-03	3.39E-01

1400	493777.33	3860652.55	2.29E-01	2.19E-04	3.93E-02	6.64E-03	2.75E-01	3.03E-01	2.10E+01	3.93E-01	3.39E-02	2.17E+01	2.94E-01	2.65E-04	3.93E-02	6.64E-03	3.40E-01
1401	493827.33	3860652.55	2.30E-01	2.16E-04	3.87E-02	6.60E-03	2.76E-01	3.04E-01	2.07E+01	3.87E-01	3.37E-02	2.15E+01	2.95E-01	2.62E-04	3.87E-02	6.60E-03	3.40E-01
1402	493877.33	3860652.55	2.30E-01	2.14E-04	3.82E-02	6.57E-03	2.75E-01	3.04E-01	2.05E+01	3.82E-01	3.36E-02	2.12E+01	2.96E-01	2.59E-04	3.82E-02	6.57E-03	3.41E-01
1403	493927.33	3860652.55	2.30E-01	2.11E-04	3.75E-02	6.55E-03	2.74E-01	3.04E-01	2.03E+01	3.75E-01	3.34E-02	2.10E+01	2.95E-01	2.56E-04	3.75E-02	6.55E-03	3.39E-01
1404	493977.33	3860652.55	2.29E-01	2.09E-04	3.68E-02	6.52E-03	2.72E-01	3.02E-01	2.01E+01	3.68E-01	3.33E-02	2.08E+01	2.93E-01	2.53E-04	3.68E-02	6.52E-03	3.37E-01
1405	494027.33	3860652.55	2.28E-01	2.07E-04	3.73E-02	6.49E-03	2.72E-01	3.01E-01	1.98E+01	3.73E-01	3.31E-02	2.05E+01	2.92E-01	2.50E-04	3.73E-02	6.49E-03	3.36E-01
1406	494311.06	3858401.99	6.72E-02	5.47E-05	3.82E-02	6.48E-03	1.12E-01	8.87E-02	5.25E+00	3.82E-01	3.31E-02	5.75E+00	8.61E-02	6.63E-05	3.82E-02	6.48E-03	1.31E-01
1407	494361.06	3858401.99	6.47E-02	5.45E-05	3.81E-02	6.45E-03	1.09E-01	8.55E-02	5.22E+00	3.81E-01	3.30E-02	5.72E+00	8.30E-02	6.60E-05	3.81E-02	6.45E-03	1.28E-01
1408	494411.06	3858401.99	6.34E-02	5.44E-05	3.80E-02	6.43E-03	1.08E-01	8.38E-02	5.21E+00	3.80E-01	3.29E-02	5.71E+00	8.13E-02	6.59E-05	3.80E-02	6.43E-03	1.26E-01
1409	494461.06	3858401.99	6.32E-02	5.44E-05	3.79E-02	6.40E-03	1.08E-01	8.35E-02	5.22E+00	3.79E-01	3.27E-02	5.71E+00	8.10E-02	6.59E-05	3.79E-02	6.40E-03	1.25E-01
1410	494511.06	3858401.99	6.21E-02	5.43E-05	3.78E-02	6.38E-03	1.06E-01	8.20E-02	5.21E+00	3.78E-01	3.26E-02	5.70E+00	7.96E-02	6.58E-05	3.78E-02	6.38E-03	1.24E-01
1411	494561.06	3858401.99	6.26E-02	5.44E-05	3.77E-02	6.35E-03	1.07E-01	8.26E-02	5.21E+00	3.77E-01	3.24E-02	5.70E+00	8.02E-02	6.58E-05	3.77E-02	6.35E-03	1.24E-01
1412	494611.06	3858401.99	6.30E-02	5.42E-05	3.76E-02	6.32E-03	1.07E-01	8.33E-02	5.20E+00	3.76E-01	3.23E-02	5.69E+00	8.08E-02	6.57E-05	3.76E-02	6.32E-03	1.25E-01
1413	494661.06	3858401.99	5.85E-02	5.41E-05	3.75E-02	6.30E-03	1.02E-01	7.72E-02	5.19E+00	3.75E-01	3.22E-02	5.68E+00	7.49E-02	6.56E-05	3.75E-02	6.30E-03	1.19E-01
1414	494711.06	3858401.99	5.62E-02	5.39E-05	3.74E-02	6.27E-03	9.99E-02	7.42E-02	5.17E+00	3.74E-01	3.20E-02	5.65E+00	7.21E-02	6.53E-05	3.74E-02	6.27E-03	1.16E-01
1415	494761.06	3858401.99	5.54E-02	5.39E-05	3.73E-02	6.24E-03	9.90E-02	7.32E-02	5.17E+00	3.73E-01	3.19E-02	5.65E+00	7.10E-02	6.53E-05	3.73E-02	6.24E-03	1.15E-01
1416	494811.06	3858401.99	5.38E-02	5.38E-05	3.72E-02	6.21E-03	9.73E-02	7.11E-02	5.16E+00	3.72E-01	3.17E-02	5.63E+00	6.90E-02	6.51E-05	3.72E-02	6.21E-03	1.13E-01
1417	494861.06	3858401.99	5.25E-02	5.37E-05	3.71E-02	6.18E-03	9.59E-02	6.94E-02	5.15E+00	3.71E-01	3.16E-02	5.62E+00	6.74E-02	6.50E-05	3.71E-02	6.18E-03	1.11E-01
1418	494911.06	3858401.99	5.13E-02	5.36E-05	3.70E-02	6.15E-03	9.45E-02	6.77E-02	5.14E+00	3.70E-01	3.14E-02	5.61E+00	6.57E-02	6.49E-05	3.70E-02	6.15E-03	1.09E-01
1419	494961.06	3858401.99	4.98E-02	5.35E-05	3.69E-02	6.12E-03	9.29E-02	6.58E-02	5.13E+00	3.69E-01	3.13E-02	5.59E+00	6.39E-02	6.48E-05	3.69E-02	6.12E-03	1.07E-01
1420	495011.06	3858401.99	4.78E-02	5.33E-05	3.24E-02	6.10E-03	8.63E-02	6.31E-02	5.11E+00	3.24E-01	3.11E-02	5.53E+00	6.12E-02	6.45E-05	3.24E-02	6.10E-03	9.98E-02
1421	495061.06	3858401.99	4.63E-02	5.32E-05	3.21E-02	6.07E-03	8.45E-02	6.12E-02	5.10E+00	3.21E-01	3.10E-02	5.51E+00	5.94E-02	6.44E-05	3.21E-02	6.07E-03	9.76E-02
1422	495111.06	3858401.99	4.31E-02	5.28E-05	3.17E-02	6.04E-03	8.09E-02	5.70E-02	5.06E+00	3.17E-01	3.09E-02	5.47E+00	5.53E-02	6.40E-05	3.17E-02	6.04E-03	9.31E-02
1423	495161.06	3858401.99	4.30E-02	5.29E-05	3.14E-02	6.01E-03	8.05E-02	5.68E-02	5.07E+00	3.14E-01	3.07E-02	5.47E+00	5.51E-02	6.41E-05	3.14E-02	6.01E-03	9.26E-02
1424	495211.06	3858401.99	4.04E-02	5.26E-05	3.10E-02	5.98E-03	7.75E-02	5.33E-02	5.04E+00	3.10E-01	3.05E-02	5.44E+00	5.18E-02	6.37E-05	3.10E-02	5.98E-03	8.88E-02
1425	495261.06	3858401.99	3.92E-02	5.25E-05	3.08E-02	5.95E-03	7.60E-02	5.18E-02	5.03E+00	3.08E-01	3.04E-02	5.42E+00	5.03E-02	6.36E-05	3.08E-02	5.95E-03	8.70E-02
1426	495311.06	3858401.99	3.87E-02	5.24E-05	3.05E-02	5.91E-03	7.51E-02	5.11E-02	5.03E+00	3.05E-01	3.02E-02	5.41E+00	4.96E-02	6.35E-05	3.05E-02	5.91E-03	8.60E-02
1427	495361.06	3858401.99	3.85E-02	5.24E-05	3.02E-02	5.88E-03	7.46E-02	5.08E-02	5.02E+00	3.02E-01	3.00E-02	5.41E+00	4.93E-02	6.35E-05	3.02E-02	5.88E-03	8.54E-02
1428	495411.06	3858401.99	3.83E-02	5.25E-05	3.00E-02	5.84E-03	7.42E-02	5.06E-02	5.03E+00	3.00E-01	2.98E-02	5.41E+00	4.91E-02	6.36E-05	3.00E-02	5.84E-03	8.50E-02
1429	495461.06	3858401.99	3.82E-02	5.26E-05	2.98E-02	5.80E-03	7.39E-02	5.05E-02	5.04E+00	2.98E-01	2.96E-02	5.42E+00	4.90E-02	6.37E-05	2.98E-02	5.80E-03	8.46E-02
1430	495511.06	3858401.99	3.81E-02	5.26E-05	2.96E-02	5.76E-03	7.35E-02	5.03E-02	5.05E+00	2.96E-01	2.94E-02	5.42E+00	4.88E-02	6.38E-05	2.96E-02	5.76E-03	8.42E-02
1431	495561.06	3858401.99	3.79E-02	5.24E-05	2.94E-02	5.73E-03	7.31E-02	5.01E-02	5.03E+00	2.94E-01	2.93E-02	5.40E+00	4.86E-02	6.35E-05	2.94E-02	5.73E-03	8.38E-02
1432	495611.06	3858401.99	3.78E-02	5.25E-05	2.92E-02	5.74E-03	7.28E-02	4.99E-02	5.04E+00	2.92E-01	2.93E-02	5.41E+00	4.85E-02	6.36E-05	2.92E-02	5.74E-03	8.35E-02
1433	495661.06	3858401.99	3.76E-02	5.29E-05	2.90E-02	5.74E-03	7.24E-02	4.97E-02	5.08E+00	2.90E-01	2.93E-02	5.45E+00	4.82E-02	6.41E-05	2.90E-02	5.74E-03	8.30E-02
1434	494311.06	3858451.99	7.35E-02	5.78E-05	3.74E-02	6.58E-03	1.18E-01	9.71E-02	5.54E+00	3.74E-01	3.36E-02	6.05E+00	9.42E-02	7.00E-05	3.74E-02	6.58E-03	1.38E-01
1435	494361.06	3858451.99	7.17E-02	5.76E-05	3.74E-02	6.55E-03	1.16E-01	9.47E-02	5.52E+00	3.74E-01	3.35E-02	6.03E+00	9.19E-02	6.98E-05	3.74E-02	6.55E-03	1.36E-01
1436	494411.06	3858451.99	7.03E-02	5.75E-05	3.73E-02	6.32E-03	1.14E-01	9.29E-02	5.51E+00	3.73E-01	3.23E-02	6.01E+00	9.01E-02	6.96E-05	3.73E-02	6.32E-03	1.34E-01
1437	494461.06	3858451.99	6.92E-02	5.74E-05	3.72E-02	6.29E-03	1.13E-01	9.14E-02	5.50E+00	3.72E-01	3.22E-02	6.00E+00	8.87E-02	6.95E-05	3.72E-02	6.29E-03	1.32E-01
1438	494511.06	3858451.99	6.89E-02	5.74E-05	3.71E-02	6.27E-03	1.12E-01	9.10E-02	5.50E+00	3.71E-01	3.20E-02	6.00E+00	8.83E-02	6.95E-05	3.71E-02	6.27E-03	1.32E-01
1439	494561.06	3858451.99	6.71E-02	5.72E-05	3.70E-02	6.24E-03	1.10E-01	8.87E-02	5.49E+00	3.70E-01	3.19E-02	5.98E+00	8.61E-02	6.93E-05	3.70E-02	6.24E-03	1.29E-01
1440	494611.06	3858451.99	6.60E-02	5.71E-05	3.70E-02	6.21E-03	1.09E-01	8.72E-02	5.48E+00	3.70E-01	3.17E-02	5.97E+00	8.46E-02	6.92E-05	3.70E-02	6.21E-03	1.28E-01
1441	494661.06	3858451.99	6.47E-02	5.70E-05	3.69E-02	6.18E-03	1.08E-01	8.55E-02	5.47E+00	3.69E-01	3.16E-02	5.95E+00	8.30E-02	6.91E-05	3.69E-02	6.18E-03	1.26E-01
1442	494711.06	3858451.99	6.28E-02	5.68E-05	3.68E-02	6.15E-03	1.06E-01	8.29E-02	5.45E+00	3.68E-01	3.14E-02	5.93E+00	8.05E-02	6.88E-05	3.68E-02	6.15E-03	1.24E-01
1443	494761.06	3858451.99	6.12E-02	5.66E-05	3.67E-02	6.12E-03	1.04E-01	8.08E-02	5.43E+00	3.67E-01	3.13E-02	5.91E+00	7.85E-02	6.86E-05	3.67E-02	6.12E-03	1.21E-01
1444	494811.06	3858451.99	6.17E-02	5.65E-05	3.67E-02	6.09E-03	1.05E-01	8.15E-02	5.42E+00	3.67E-01	3.11E-02	5.90E+00	7.91E-02	6.84E-05	3.67E-02	6.09E-03	1.22E-01
1445	494861.06	3858451.99	5.77E-02	5.63E-05	3.66E-02	6.06E-03	1.00E-01	7.62E-02	5.40E+00	3.66E-01	3.10E-02	5.87E+00	7.40E-02	6.82E-05	3.66E-02	6.06E-03	1.17E-01
1446	494911.06	3858451.99	5.48E-02	5.58E-05	3.65E-02	6.03E-03	9.74E-02	7.25E-02	5.35E+00	3.65E-01	3.08E-02	5.82E+00	7.03E-02	6.76E-05	3.65E-02	6.03E-03	1.13E-01
1447	494961.06	3858451.99	5.36E-02	5.59E-05	3.65E-02	6.00E-03	9.62E-02	7.09E-02	5.36E+00	3.65E-01	3.07E-02	5.82E+00	6.88E-02	6.77E-05	3.65E-02	6.00E-03	1.11E-01
1448	495011.06	3858451.99	5.15E-02	5.56E-05	3.64E-02	5.97E-03	9.40E-02	6.80E-02	5.33E+00	3.64E-01	3.05E-02	5.80E+00	6.60E-02	6.74E-05	3.64E-02	5.97E-03	1.09E-01
1449	495061.06	3858451.99	5.08E-02	5.56E-05	3.63E-02	5.94E-03	9.31E-02	6.71E-02	5.33E+00	3.63E-01	3.03E-02	5.79E+00	6.51E-02	6.73E-05	3.63E-02	5.94E-03	1.07E-01
1450	495111.06	3858451.99	4.86E-02	5.53E-05	3.27E-02	5.91E-03	8.72E-02	6.42E-02	5.31E+00	3.27E-01	3.02E-02	5.73E+00	6.23E-02	6.70E-05	3.27E-02	5.91E-03	1.01E-01
1451	495161.06	3858451.99	4.61E-02	5.51E-05	3.13E-02	5.88E-03	8.33E-02	6.08E-02	5.28E+00	3.13E-01	3.00E-02	5.68E+00	5.90E-02	6.67E-05	3.13E-02	5.88E-03	9.63E-02
1452	495211.06	3858451.99	4.39E-02	5.48E-05	3.09E-02	5.85E-03	8.08E-02	5.80E-02	5.26E+00	3.09E-01	2.99E-02	5.65E+00	5.63E-02	6.64E-05	3.09E-02	5.85E-03	9.31E-02
1453	495261.06	3858451.99	4.27E-02	5.47E-05	3.07E-02	5.82E-03	7.92E-02	5.64E-02	5.25E+00	3.07E-01	2.97E-02	5.64E+00	5.47E-02	6.63E-05	3.07E-02	5.82E-03	9.13E-02
1454	495311.06	3858451.99	4.18E-02	5.47E-05	3.05E-02	5.80E-03	7.81E-02	5.52E-02	5.24E+00	3.05E-01	2.96E-02	5.63E+00	5.36E-02	6.62E-05	3.05E-02	5.80E-03	8.99E-02
1455	495361.06	3858451.99	4.11E-02	5.47E-05	3.02E-02	5.81E-03	7.72E-02	5.43E-02	5.24E+00	3.02E-01	2.97E-02	5.63E+00	5.27E-02	6.62E-05	3.02E-02	5.81E-03	8.88E-02
1456	495411.06	3858451.99	4.10E-02	5.47E-05	3.01E-02	5.81E-03	7.69E-02	5.42E-02	5.25E+00	3.01E-01	2.97E-02	5.63E+00	5.26E-02	6.63E-05	3.01E-02	5.81E-03	8.85E-02
1457	495461.06	3858451.99	4.11E-02	5.48E-05	2.99E-02	5.81E-03	7.69E-02	5.43E-02	5.26E+00	2.99E-01	2.97E-02	5.64E+00	5.27E-02	6.64E-05	2.99E-02	5.81E-03	8.85E-02
1458	495511.06	3858451.99	4.02E-02	5.48E-05	2.96E-02	5.82E-03	7.57E-02	5.31E-02	5.25E+00	2.96E-01	2.97E-02	5.63E+00	5.16E-02	6.64E-05	2.96E-02	5.82E-03	8.71E-02
1459	495561.06	3858451.99	4.09E-02	5.50E-05	2.95E-02	5.82E-03	7.63E-02	5.40E-02	5.27E+00	2.95E-01	2.97E-02	5.65E+00	5.24E-02	6.66E-05	2.95E-02	5.82E-03	8.78E-02
1460	495611.06	3858451.99	3.96E-02	5.48E-05	2.93E-02	5.83E-03	7.48E-02	5.24E-02	5.26E+00	2.93E-01	2.98E-02	5.63E+00	5.08E-02	6.64E-05	2.93E-02	5.83E-03	8.60E-02

1461	495661.06	3858451.99	3.99E-02	5.50E-05	2.91E-02	5.82E-03	7.49E-02	5.28E-02	5.27E+00	2.91E-01	2.98E-02	5.65E+00	5.12E-02	6.66E-05	2.91E-02	5.82E-03	8.62E-02
1462	494311.06	3858501.99	7.58E-02	6.05E-05	4.56E-02	7.47E-03	1.29E-01	1.00E-01	5.80E+00	4.56E-01	3.82E-02	6.40E+00	9.72E-02	7.33E-05	4.56E-02	7.47E-03	1.50E-01
1463	494361.06	3858501.99	7.52E-02	6.04E-05	4.48E-02	7.42E-03	1.27E-01	9.93E-02	5.79E+00	4.48E-01	3.79E-02	6.38E+00	9.64E-02	7.32E-05	4.48E-02	7.42E-03	1.49E-01
1464	494411.06	3858501.99	7.41E-02	6.03E-05	4.21E-02	7.24E-03	1.24E-01	9.79E-02	5.78E+00	4.21E-01	3.70E-02	6.34E+00	9.50E-02	7.30E-05	4.21E-02	7.24E-03	1.44E-01
1465	494461.06	3858501.99	7.39E-02	6.03E-05	3.72E-02	6.35E-03	1.18E-01	9.76E-02	5.78E+00	3.72E-01	3.24E-02	6.28E+00	9.47E-02	7.30E-05	3.72E-02	6.35E-03	1.38E-01
1466	494511.06	3858501.99	7.20E-02	6.00E-05	3.62E-02	6.31E-03	1.15E-01	9.51E-02	5.75E+00	3.62E-01	3.22E-02	6.24E+00	9.23E-02	7.27E-05	3.62E-02	6.31E-03	1.35E-01
1467	494561.06	3858501.99	7.33E-02	6.02E-05	3.61E-02	6.27E-03	1.16E-01	9.68E-02	5.78E+00	3.61E-01	3.21E-02	6.27E+00	9.39E-02	7.30E-05	3.61E-02	6.27E-03	1.36E-01
1468	494611.06	3858501.99	7.17E-02	6.00E-05	3.61E-02	6.24E-03	1.14E-01	9.47E-02	5.76E+00	3.61E-01	3.19E-02	6.24E+00	9.19E-02	7.27E-05	3.61E-02	6.24E-03	1.34E-01
1469	494661.06	3858501.99	7.10E-02	6.00E-05	3.60E-02	6.05E-03	1.13E-01	9.37E-02	5.75E+00	3.60E-01	3.09E-02	6.23E+00	9.10E-02	7.26E-05	3.60E-02	6.05E-03	1.33E-01
1470	494711.06	3858501.99	6.89E-02	5.97E-05	3.60E-02	6.02E-03	1.11E-01	9.10E-02	5.73E+00	3.60E-01	3.07E-02	6.21E+00	8.83E-02	7.23E-05	3.60E-02	6.02E-03	1.30E-01
1471	494761.06	3858501.99	6.65E-02	5.94E-05	3.59E-02	5.99E-03	1.08E-01	8.78E-02	5.70E+00	3.59E-01	3.06E-02	6.17E+00	8.52E-02	7.19E-05	3.59E-02	5.99E-03	1.27E-01
1472	494811.06	3858501.99	6.43E-02	5.91E-05	3.59E-02	5.97E-03	1.06E-01	8.49E-02	5.67E+00	3.59E-01	3.05E-02	6.14E+00	8.24E-02	7.16E-05	3.59E-02	5.97E-03	1.24E-01
1473	494861.06	3858501.99	6.30E-02	5.90E-05	3.58E-02	5.96E-03	1.05E-01	8.32E-02	5.66E+00	3.58E-01	3.05E-02	6.13E+00	8.08E-02	7.14E-05	3.58E-02	5.96E-03	1.23E-01
1474	494911.06	3858501.99	5.97E-02	5.85E-05	3.58E-02	5.95E-03	1.02E-01	7.89E-02	5.61E+00	3.58E-01	3.04E-02	6.08E+00	7.66E-02	7.09E-05	3.58E-02	5.95E-03	1.18E-01
1475	494961.06	3858501.99	5.84E-02	5.84E-05	3.57E-02	5.94E-03	1.00E-01	7.72E-02	5.60E+00	3.57E-01	3.03E-02	6.07E+00	7.49E-02	7.07E-05	3.57E-02	5.94E-03	1.17E-01
1476	495011.06	3858501.99	5.58E-02	5.81E-05	3.57E-02	5.92E-03	9.75E-02	7.37E-02	5.57E+00	3.57E-01	3.02E-02	6.03E+00	7.15E-02	7.03E-05	3.57E-02	5.92E-03	1.13E-01
1477	495061.06	3858501.99	5.51E-02	5.80E-05	3.56E-02	5.91E-03	9.67E-02	7.27E-02	5.56E+00	3.56E-01	3.02E-02	6.02E+00	7.06E-02	7.03E-05	3.56E-02	5.91E-03	1.12E-01
1478	495111.06	3858501.99	5.17E-02	5.75E-05	3.56E-02	5.86E-03	9.33E-02	6.83E-02	5.52E+00	3.56E-01	2.99E-02	5.97E+00	6.63E-02	6.97E-05	3.56E-02	5.86E-03	1.08E-01
1479	495161.06	3858501.99	4.97E-02	5.73E-05	3.44E-02	5.86E-03	9.01E-02	6.57E-02	5.49E+00	3.44E-01	2.99E-02	5.93E+00	6.38E-02	6.94E-05	3.44E-02	5.86E-03	1.04E-01
1480	495211.06	3858501.99	4.78E-02	5.71E-05	3.04E-02	5.87E-03	8.41E-02	6.31E-02	5.47E+00	3.04E-01	3.00E-02	5.87E+00	6.12E-02	6.91E-05	3.04E-02	5.87E-03	9.76E-02
1481	495261.06	3858501.99	4.65E-02	5.69E-05	3.02E-02	5.88E-03	8.27E-02	6.15E-02	5.46E+00	3.02E-01	3.00E-02	5.85E+00	5.97E-02	6.90E-05	3.02E-02	5.88E-03	9.58E-02
1482	495311.06	3858501.99	4.61E-02	5.69E-05	3.00E-02	5.89E-03	8.20E-02	6.08E-02	5.46E+00	3.00E-01	3.01E-02	5.85E+00	5.90E-02	6.90E-05	3.00E-02	5.89E-03	9.50E-02
1483	495361.06	3858501.99	4.56E-02	5.69E-05	2.98E-02	5.89E-03	8.14E-02	6.03E-02	5.46E+00	2.98E-01	3.01E-02	5.85E+00	5.85E-02	6.90E-05	2.98E-02	5.89E-03	9.43E-02
1484	495411.06	3858501.99	4.55E-02	5.70E-05	2.97E-02	5.89E-03	8.11E-02	6.01E-02	5.46E+00	2.97E-01	3.01E-02	5.85E+00	5.83E-02	6.90E-05	2.97E-02	5.89E-03	9.40E-02
1485	495461.06	3858501.99	4.54E-02	5.70E-05	2.95E-02	5.90E-03	8.09E-02	5.99E-02	5.47E+00	2.95E-01	3.01E-02	5.85E+00	5.82E-02	6.91E-05	2.95E-02	5.90E-03	9.37E-02
1486	495511.06	3858501.99	4.49E-02	5.70E-05	2.94E-02	5.90E-03	8.03E-02	5.94E-02	5.47E+00	2.94E-01	3.01E-02	5.85E+00	5.76E-02	6.91E-05	2.94E-02	5.90E-03	9.29E-02
1487	495561.06	3858501.99	4.56E-02	5.72E-05	2.92E-02	5.90E-03	8.08E-02	6.02E-02	5.48E+00	2.92E-01	3.01E-02	5.87E+00	5.84E-02	6.93E-05	2.92E-02	5.90E-03	9.36E-02
1488	495611.06	3858501.99	4.42E-02	5.69E-05	2.91E-02	5.89E-03	7.92E-02	5.83E-02	5.46E+00	2.91E-01	3.01E-02	5.84E+00	5.66E-02	6.90E-05	2.91E-02	5.89E-03	9.17E-02
1489	495661.06	3858501.99	4.48E-02	5.72E-05	2.89E-02	5.90E-03	7.96E-02	5.92E-02	5.48E+00	2.89E-01	3.01E-02	5.86E+00	5.74E-02	6.93E-05	2.89E-02	5.90E-03	9.23E-02
1490	494311.06	3858551.99	7.32E-02	6.24E-05	5.27E-02	7.78E-03	1.34E-01	9.67E-02	5.98E+00	5.27E-01	3.98E-02	6.65E+00	9.38E-02	7.56E-05	5.27E-02	7.78E-03	1.54E-01
1491	494361.06	3858551.99	7.58E-02	6.27E-05	5.41E-02	7.75E-03	1.38E-01	1.00E-01	6.02E+00	5.41E-01	3.96E-02	6.70E+00	9.72E-02	7.60E-05	5.41E-02	7.75E-03	1.59E-01
1492	494411.06	3858551.99	7.84E-02	6.34E-05	4.93E-02	7.71E-03	1.35E-01	1.04E-01	6.08E+00	4.93E-01	3.94E-02	6.71E+00	1.01E-01	7.68E-05	4.93E-02	7.71E-03	1.58E-01
1493	494461.06	3858551.99	7.92E-02	6.34E-05	4.89E-02	7.66E-03	1.36E-01	1.05E-01	6.09E+00	4.89E-01	3.91E-02	6.72E+00	1.02E-01	7.69E-05	4.89E-02	7.66E-03	1.58E-01
1494	494511.06	3858551.99	7.89E-02	6.33E-05	4.78E-02	7.62E-03	1.34E-01	1.04E-01	6.08E+00	4.78E-01	3.89E-02	6.70E+00	1.01E-01	7.67E-05	4.78E-02	7.62E-03	1.57E-01
1495	494561.06	3858551.99	7.88E-02	6.33E-05	4.70E-02	7.58E-03	1.33E-01	1.04E-01	6.07E+00	4.70E-01	3.87E-02	6.68E+00	1.01E-01	7.67E-05	4.70E-02	7.58E-03	1.56E-01
1496	494611.06	3858551.99	7.79E-02	6.31E-05	4.59E-02	7.52E-03	1.31E-01	1.03E-01	6.05E+00	4.59E-01	3.84E-02	6.65E+00	9.98E-02	7.65E-05	4.59E-02	7.52E-03	1.53E-01
1497	494661.06	3858551.99	7.72E-02	6.30E-05	4.50E-02	7.06E-03	1.29E-01	1.02E-01	6.04E+00	4.50E-01	3.61E-02	6.63E+00	9.89E-02	7.63E-05	4.50E-02	7.06E-03	1.51E-01
1498	494711.06	3858551.99	7.48E-02	6.26E-05	4.20E-02	6.77E-03	1.24E-01	9.88E-02	6.01E+00	4.20E-01	3.46E-02	6.56E+00	9.58E-02	7.59E-05	4.20E-02	6.77E-03	1.45E-01
1499	494761.06	3858551.99	7.24E-02	6.23E-05	3.48E-02	6.01E-03	1.13E-01	9.56E-02	5.97E+00	3.48E-01	3.07E-02	6.45E+00	9.28E-02	7.54E-05	3.48E-02	6.01E-03	1.34E-01
1500	494811.06	3858551.99	7.08E-02	6.20E-05	3.48E-02	6.00E-03	1.12E-01	9.35E-02	5.95E+00	3.48E-01	3.07E-02	6.42E+00	9.07E-02	7.51E-05	3.48E-02	6.00E-03	1.32E-01
1501	494861.06	3858551.99	6.83E-02	6.17E-05	3.48E-02	5.99E-03	1.09E-01	9.03E-02	5.91E+00	3.48E-01	3.06E-02	6.38E+00	8.76E-02	7.47E-05	3.48E-02	5.99E-03	1.28E-01
1502	494911.06	3858551.99	6.55E-02	6.13E-05	3.48E-02	5.98E-03	1.06E-01	8.65E-02	5.87E+00	3.48E-01	3.06E-02	6.34E+00	8.39E-02	7.42E-05	3.48E-02	5.98E-03	1.25E-01
1503	494961.06	3858551.99	6.34E-02	6.10E-05	3.47E-02	5.97E-03	1.04E-01	8.37E-02	5.85E+00	3.47E-01	3.05E-02	6.31E+00	8.13E-02	7.38E-05	3.47E-02	5.97E-03	1.22E-01
1504	495011.06	3858551.99	6.05E-02	6.05E-05	3.47E-02	5.96E-03	1.01E-01	7.99E-02	5.81E+00	3.47E-01	3.05E-02	6.26E+00	7.75E-02	7.33E-05	3.47E-02	5.96E-03	1.18E-01
1505	495061.06	3858551.99	5.91E-02	6.03E-05	3.47E-02	5.95E-03	9.98E-02	7.80E-02	5.79E+00	3.47E-01	3.04E-02	6.24E+00	7.57E-02	7.31E-05	3.47E-02	5.95E-03	1.16E-01
1506	495111.06	3858551.99	5.56E-02	5.98E-05	3.47E-02	5.94E-03	9.63E-02	7.34E-02	5.74E+00	3.47E-01	3.03E-02	6.19E+00	7.13E-02	7.25E-05	3.47E-02	5.94E-03	1.12E-01
1507	495161.06	3858551.99	5.36E-02	5.95E-05	3.47E-02	5.95E-03	9.43E-02	7.08E-02	5.71E+00	3.47E-01	3.04E-02	6.16E+00	6.87E-02	7.21E-05	3.47E-02	5.95E-03	1.09E-01
1508	495211.06	3858551.99	5.20E-02	5.93E-05	3.47E-02	5.96E-03	9.26E-02	6.86E-02	5.69E+00	3.47E-01	3.05E-02	6.13E+00	6.66E-02	7.18E-05	3.47E-02	5.96E-03	1.07E-01
1509	495261.06	3858551.99	5.10E-02	5.92E-05	3.46E-02	5.97E-03	9.16E-02	6.73E-02	5.68E+00	3.46E-01	3.05E-02	6.12E+00	6.53E-02	7.17E-05	3.46E-02	5.97E-03	1.06E-01
1510	495311.06	3858551.99	5.07E-02	5.92E-05	3.45E-02	5.97E-03	9.13E-02	6.70E-02	5.68E+00	3.45E-01	3.05E-02	6.12E+00	6.50E-02	7.17E-05	3.45E-02	5.97E-03	1.06E-01
1511	495361.06	3858551.99	5.03E-02	5.92E-05	3.45E-02	5.97E-03	9.08E-02	6.64E-02	5.67E+00	3.45E-01	3.05E-02	6.11E+00	6.45E-02	7.17E-05	3.45E-02	5.97E-03	1.05E-01
1512	495411.06	3858551.99	5.04E-02	5.92E-05	3.44E-02	5.97E-03	9.08E-02	6.66E-02	5.68E+00	3.44E-01	3.05E-02	6.12E+00	6.46E-02	7.17E-05	3.44E-02	5.97E-03	1.05E-01
1513	495461.06	3858551.99	5.02E-02	5.92E-05	3.43E-02	5.97E-03	9.05E-02	6.63E-02	5.68E+00	3.43E-01	3.05E-02	6.12E+00	6.43E-02	7.17E-05	3.43E-02	5.97E-03	1.05E-01
1514	495511.06	3858551.99	5.03E-02	5.93E-05	3.42E-02	5.97E-03	9.06E-02	6.65E-02	5.68E+00	3.42E-01	3.05E-02	6.12E+00	6.45E-02	7.18E-05	3.42E-02	5.97E-03	1.05E-01
1515	495561.06	3858551.99	5.01E-02	5.93E-05	3.41E-02	5.97E-03	9.02E-02	6.61E-02	5.68E+00	3.41E-01	3.05E-02	6.12E+00	6.42E-02	7.18E-05	3.41E-02	5.97E-03	1.04E-01
1516	495611.06	3858551.99	4.95E-02	5.92E-05	3.29E-02	5.98E-03	8.85E-02	6.55E-02	5.68E+00	3.29E-01	3.05E-02	6.11E+00	6.35E-02	7.18E-05	3.29E-02	5.98E-03	1.03E-01
1517	495661.06	3858551.99	4.89E-02	5.92E-05	3.06E-02	5.98E-03	8.56E-02	6.46E-02	5.67E+00	3.06E-01	3.05E-02	6.08E+00	6.27E-02	7.17E-05	3.06E-02	5.98E-03	9.94E-02
1518	494311.06	3858601.99	6.48E-02	6.37E-05	3.37E-02	6.06E-03	1.05E-01	8.56E-02	6.11E+00	3.37E-01	3.10E-02	6.57E+00	8.31E-02	7.72E-05	3.37E-02	6.06E-03	1.23E-01
1519	494361.06	3858601.99	7.42E-02	6.51E-05	5.93E-02	7.56E-03	1.41E-01	9.80E-02	6.25E+00	5.93E-01	3.86E-02	6.98E+00	9.51E-02	7.89E-05	5.93E-02	7.56E-03	1.62E-01
1520	494411.06	3858601.99	8.27E-02	6.68E-05	5.97E-02	7.49E-03	1.50E-01	1.09E-01	6.40E+00	5.97E-01	3.83E-02	7.15E+00	1.06E-01	8.09E-05	5.97E-02	7.49E-03	1.73E-01
1521	494461.06	3858601.99	8.37E-02	6.68E-05	5.93E-02	7.45E-03	1.50E-01	1.10E-01	6.40E+00	5.93E-01	3.80E-02	7.14E+00	1.07E-01	8.09E-05	5.93E-02	7.45E-03	1.74E-01

1522	494511.06	3858601.99	8.21E-02	6.60E-05	6.03E-02	7.40E-03	1.50E-01	1.08E-01	6.33E+00	6.03E-01	3.78E-02	7.08E+00	1.05E-01	8.00E-05	6.03E-02	7.40E-03	1.73E-01
1523	494561.06	3858601.99	8.42E-02	6.66E-05	5.69E-02	7.36E-03	1.49E-01	1.11E-01	6.38E+00	5.69E-01	3.76E-02	7.10E+00	1.08E-01	8.07E-05	5.69E-02	7.36E-03	1.72E-01
1524	494611.06	3858601.99	8.28E-02	6.62E-05	5.39E-02	7.32E-03	1.44E-01	1.09E-01	6.35E+00	5.39E-01	3.74E-02	7.04E+00	1.06E-01	8.02E-05	5.39E-02	7.32E-03	1.67E-01
1525	494661.06	3858601.99	8.21E-02	6.60E-05	5.21E-02	7.27E-03	1.42E-01	1.08E-01	6.33E+00	5.21E-01	3.72E-02	7.00E+00	1.05E-01	8.00E-05	5.21E-02	7.27E-03	1.65E-01
1526	494711.06	3858601.99	8.02E-02	6.56E-05	4.94E-02	7.24E-03	1.37E-01	1.06E-01	6.29E+00	4.94E-01	3.70E-02	6.93E+00	1.03E-01	7.95E-05	4.94E-02	7.24E-03	1.60E-01
1527	494761.06	3858601.99	7.82E-02	6.52E-05	4.74E-02	7.19E-03	1.33E-01	1.03E-01	6.25E+00	4.74E-01	3.67E-02	6.87E+00	1.00E-01	7.90E-05	4.74E-02	7.19E-03	1.55E-01
1528	494811.06	3858601.99	7.45E-02	6.46E-05	4.58E-02	6.46E-03	1.27E-01	9.84E-02	6.19E+00	4.58E-01	3.30E-02	6.78E+00	9.55E-02	7.82E-05	4.58E-02	6.46E-03	1.48E-01
1529	494861.06	3858601.99	7.30E-02	6.43E-05	3.84E-02	6.02E-03	1.18E-01	9.65E-02	6.17E+00	3.84E-01	3.07E-02	6.68E+00	9.36E-02	7.79E-05	3.84E-02	6.02E-03	1.38E-01
1530	494911.06	3858601.99	6.96E-02	6.37E-05	3.35E-02	6.01E-03	1.09E-01	9.20E-02	6.11E+00	3.35E-01	3.07E-02	6.57E+00	8.93E-02	7.72E-05	3.35E-02	6.01E-03	1.29E-01
1531	494961.06	3858601.99	6.75E-02	6.34E-05	3.35E-02	6.00E-03	1.07E-01	8.92E-02	6.08E+00	3.35E-01	3.06E-02	6.53E+00	8.66E-02	7.68E-05	3.35E-02	6.00E-03	1.26E-01
1532	495011.06	3858601.99	6.53E-02	6.30E-05	3.35E-02	5.99E-03	1.05E-01	8.63E-02	6.04E+00	3.35E-01	3.06E-02	6.50E+00	8.37E-02	7.63E-05	3.35E-02	5.99E-03	1.23E-01
1533	495061.06	3858601.99	6.29E-02	6.26E-05	3.35E-02	6.00E-03	1.03E-01	8.31E-02	6.01E+00	3.35E-01	3.07E-02	6.45E+00	8.07E-02	7.59E-05	3.35E-02	6.00E-03	1.20E-01
1534	495111.06	3858601.99	5.91E-02	6.20E-05	3.36E-02	6.03E-03	9.87E-02	7.80E-02	5.95E+00	3.36E-01	3.08E-02	6.39E+00	7.57E-02	7.51E-05	3.36E-02	6.03E-03	1.15E-01
1535	495161.06	3858601.99	5.74E-02	6.17E-05	3.35E-02	6.04E-03	9.71E-02	7.58E-02	5.92E+00	3.35E-01	3.08E-02	6.36E+00	7.36E-02	7.48E-05	3.35E-02	6.04E-03	1.13E-01
1536	495211.06	3858601.99	5.66E-02	6.16E-05	3.35E-02	6.04E-03	9.62E-02	7.47E-02	5.91E+00	3.35E-01	3.09E-02	6.35E+00	7.25E-02	7.46E-05	3.35E-02	6.04E-03	1.12E-01
1537	495261.06	3858601.99	5.55E-02	6.14E-05	3.35E-02	6.05E-03	9.51E-02	7.33E-02	5.89E+00	3.35E-01	3.09E-02	6.33E+00	7.11E-02	7.44E-05	3.35E-02	6.05E-03	1.11E-01
1538	495311.06	3858601.99	5.48E-02	6.13E-05	3.35E-02	6.05E-03	9.44E-02	7.24E-02	5.88E+00	3.35E-01	3.09E-02	6.32E+00	7.03E-02	7.43E-05	3.35E-02	6.05E-03	1.10E-01
1539	495361.06	3858601.99	5.47E-02	6.13E-05	3.34E-02	6.05E-03	9.43E-02	7.23E-02	5.88E+00	3.34E-01	3.09E-02	6.31E+00	7.02E-02	7.42E-05	3.34E-02	6.05E-03	1.10E-01
1540	495411.06	3858601.99	5.46E-02	6.13E-05	3.34E-02	6.05E-03	9.41E-02	7.21E-02	5.88E+00	3.34E-01	3.09E-02	6.31E+00	7.00E-02	7.42E-05	3.34E-02	6.05E-03	1.09E-01
1541	495461.06	3858601.99	5.46E-02	6.13E-05	3.33E-02	6.05E-03	9.41E-02	7.22E-02	5.88E+00	3.33E-01	3.09E-02	6.31E+00	7.01E-02	7.42E-05	3.33E-02	6.05E-03	1.09E-01
1542	495511.06	3858601.99	5.39E-02	6.12E-05	3.33E-02	6.05E-03	9.33E-02	7.12E-02	5.87E+00	3.33E-01	3.09E-02	6.30E+00	6.91E-02	7.41E-05	3.33E-02	6.05E-03	1.08E-01
1543	495561.06	3858601.99	5.42E-02	6.12E-05	3.32E-02	6.05E-03	9.35E-02	7.16E-02	5.87E+00	3.32E-01	3.09E-02	6.31E+00	6.95E-02	7.42E-05	3.32E-02	6.05E-03	1.09E-01
1544	495611.06	3858601.99	5.32E-02	6.11E-05	3.32E-02	6.05E-03	9.25E-02	7.03E-02	5.86E+00	3.32E-01	3.09E-02	6.29E+00	6.82E-02	7.40E-05	3.32E-02	6.05E-03	1.07E-01
1545	495661.06	3858601.99	5.33E-02	6.11E-05	3.31E-02	6.05E-03	9.25E-02	7.04E-02	5.86E+00	3.31E-01	3.09E-02	6.29E+00	6.83E-02	7.40E-05	3.31E-02	6.05E-03	1.08E-01
1546	494311.06	3858651.99	6.68E-02	6.59E-05	3.27E-02	6.05E-03	1.06E-01	8.82E-02	6.32E+00	3.27E-01	3.09E-02	6.77E+00	8.56E-02	7.99E-05	3.27E-02	6.05E-03	1.24E-01
1547	494361.06	3858651.99	7.34E-02	6.73E-05	6.20E-02	7.36E-03	1.43E-01	9.70E-02	6.46E+00	6.20E-01	3.76E-02	7.21E+00	9.41E-02	8.16E-05	6.20E-02	7.36E-03	1.64E-01
1548	494411.06	3858651.99	8.26E-02	6.93E-05	8.86E-02	7.27E-03	1.79E-01	1.09E-01	6.65E+00	8.86E-01	3.71E-02	7.68E+00	1.06E-01	8.40E-05	8.86E-02	7.27E-03	2.02E-01
1549	494461.06	3858651.99	8.54E-02	6.99E-05	7.18E-02	7.22E-03	1.65E-01	1.13E-01	6.70E+00	7.18E-01	3.69E-02	7.57E+00	1.10E-01	8.47E-05	7.18E-02	7.22E-03	1.89E-01
1550	494511.06	3858651.99	8.58E-02	6.97E-05	6.97E-02	7.18E-03	1.63E-01	1.13E-01	6.68E+00	6.97E-01	3.67E-02	7.53E+00	1.10E-01	8.44E-05	6.97E-02	7.18E-03	1.87E-01
1551	494561.06	3858651.99	8.66E-02	6.96E-05	6.87E-02	7.13E-03	1.62E-01	1.14E-01	6.67E+00	6.87E-01	3.64E-02	7.51E+00	1.11E-01	8.43E-05	6.87E-02	7.13E-03	1.87E-01
1552	494611.06	3858651.99	8.68E-02	6.94E-05	6.67E-02	7.08E-03	1.61E-01	1.15E-01	6.65E+00	6.67E-01	3.62E-02	7.47E+00	1.11E-01	8.41E-05	6.67E-02	7.08E-03	1.85E-01
1553	494661.06	3858651.99	8.58E-02	6.90E-05	6.31E-02	7.04E-03	1.56E-01	1.13E-01	6.62E+00	6.31E-01	3.60E-02	7.40E+00	1.10E-01	8.36E-05	6.31E-02	7.04E-03	1.80E-01
1554	494711.06	3858651.99	8.37E-02	6.85E-05	5.83E-02	7.00E-03	1.49E-01	1.11E-01	6.57E+00	5.83E-01	3.57E-02	7.30E+00	1.07E-01	8.30E-05	5.83E-02	7.00E-03	1.73E-01
1555	494761.06	3858651.99	8.23E-02	6.81E-05	5.51E-02	6.95E-03	1.44E-01	1.09E-01	6.53E+00	5.51E-01	3.55E-02	7.22E+00	1.06E-01	8.25E-05	5.51E-02	6.95E-03	1.68E-01
1556	494811.06	3858651.99	7.95E-02	6.74E-05	5.10E-02	6.91E-03	1.37E-01	1.05E-01	6.47E+00	5.10E-01	3.53E-02	7.12E+00	1.02E-01	8.17E-05	5.10E-02	6.91E-03	1.60E-01
1557	494861.06	3858651.99	7.69E-02	6.69E-05	4.83E-02	6.87E-03	1.32E-01	1.02E-01	6.41E+00	4.83E-01	3.51E-02	7.03E+00	9.86E-02	8.10E-05	4.83E-02	6.87E-03	1.54E-01
1558	494911.06	3858651.99	7.38E-02	6.63E-05	4.68E-02	6.24E-03	1.27E-01	9.74E-02	6.35E+00	4.68E-01	3.19E-02	6.95E+00	9.46E-02	8.03E-05	4.68E-02	6.24E-03	1.48E-01
1559	494961.06	3858651.99	7.10E-02	6.57E-05	3.41E-02	6.06E-03	1.11E-01	9.38E-02	6.30E+00	3.41E-01	3.10E-02	6.77E+00	9.10E-02	7.96E-05	3.41E-02	6.06E-03	1.31E-01
1560	495011.06	3858651.99	6.91E-02	6.53E-05	3.21E-02	6.07E-03	1.07E-01	9.13E-02	6.26E+00	3.21E-01	3.10E-02	6.71E+00	8.86E-02	7.91E-05	3.21E-02	6.07E-03	1.27E-01
1561	495061.06	3858651.99	6.68E-02	6.49E-05	3.21E-02	6.09E-03	1.05E-01	8.82E-02	6.22E+00	3.21E-01	3.11E-02	6.66E+00	8.56E-02	7.86E-05	3.21E-02	6.09E-03	1.24E-01
1562	495111.06	3858651.99	6.38E-02	6.43E-05	3.22E-02	6.10E-03	1.02E-01	8.43E-02	6.17E+00	3.22E-01	3.12E-02	6.61E+00	8.18E-02	7.79E-05	3.22E-02	6.10E-03	1.20E-01
1563	495161.06	3858651.99	6.23E-02	6.40E-05	3.22E-02	6.11E-03	1.01E-01	8.23E-02	6.14E+00	3.22E-01	3.12E-02	6.57E+00	7.99E-02	7.75E-05	3.22E-02	6.11E-03	1.18E-01
1564	495211.06	3858651.99	6.03E-02	6.36E-05	3.22E-02	6.12E-03	9.87E-02	7.97E-02	6.10E+00	3.22E-01	3.13E-02	6.53E+00	7.73E-02	7.71E-05	3.22E-02	6.12E-03	1.16E-01
1565	495261.06	3858651.99	6.03E-02	6.36E-05	3.22E-02	6.12E-03	9.86E-02	7.96E-02	6.10E+00	3.22E-01	3.13E-02	6.53E+00	7.73E-02	7.70E-05	3.22E-02	6.12E-03	1.16E-01
1566	495311.06	3858651.99	5.96E-02	6.34E-05	3.22E-02	6.12E-03	9.80E-02	7.87E-02	6.08E+00	3.22E-01	3.13E-02	6.51E+00	7.64E-02	7.68E-05	3.22E-02	6.12E-03	1.15E-01
1567	495361.06	3858651.99	5.95E-02	6.34E-05	3.21E-02	6.12E-03	9.78E-02	7.86E-02	6.08E+00	3.21E-01	3.13E-02	6.51E+00	7.63E-02	7.68E-05	3.21E-02	6.12E-03	1.15E-01
1568	495411.06	3858651.99	5.97E-02	6.33E-05	3.21E-02	6.12E-03	9.80E-02	7.88E-02	6.08E+00	3.21E-01	3.13E-02	6.51E+00	7.65E-02	7.67E-05	3.21E-02	6.12E-03	1.15E-01
1569	495461.06	3858651.99	6.02E-02	6.34E-05	3.21E-02	6.12E-03	9.85E-02	7.96E-02	6.08E+00	3.21E-01	3.12E-02	6.51E+00	7.72E-02	7.68E-05	3.21E-02	6.12E-03	1.15E-01
1570	495511.06	3858651.99	5.92E-02	6.32E-05	3.21E-02	6.12E-03	9.75E-02	7.82E-02	6.06E+00	3.21E-01	3.13E-02	6.49E+00	7.59E-02	7.66E-05	3.21E-02	6.12E-03	1.14E-01
1571	495561.06	3858651.99	5.87E-02	6.31E-05	3.20E-02	6.12E-03	9.69E-02	7.75E-02	6.05E+00	3.20E-01	3.13E-02	6.48E+00	7.52E-02	7.64E-05	3.20E-02	6.12E-03	1.13E-01
1572	495611.06	3858651.99	5.74E-02	6.28E-05	3.20E-02	6.12E-03	9.56E-02	7.58E-02	6.03E+00	3.20E-01	3.13E-02	6.45E+00	7.36E-02	7.61E-05	3.20E-02	6.12E-03	1.12E-01
1573	495661.06	3858651.99	5.74E-02	6.28E-05	3.20E-02	6.12E-03	9.56E-02	7.59E-02	6.03E+00	3.20E-01	3.13E-02	6.45E+00	7.36E-02	7.61E-05	3.20E-02	6.12E-03	1.12E-01
1574	494311.06	3858701.99	7.15E-02	6.88E-05	5.15E-02	6.63E-03	1.30E-01	9.45E-02	6.59E+00	5.15E-01	3.39E-02	7.24E+00	9.17E-02	8.33E-05	5.15E-02	6.63E-03	1.50E-01
1575	494361.06	3858701.99	8.10E-02	7.09E-05	8.31E-02	7.10E-03	1.71E-01	1.07E-01	6.80E+00	8.31E-01	3.63E-02	7.77E+00	1.04E-01	8.59E-05	8.31E-02	7.10E-03	1.94E-01
1576	494411.06	3858701.99	8.60E-02	7.24E-05	1.09E-01	7.04E-03	2.02E-01	1.14E-01	6.94E+00	1.09E+00	3.59E-02	8.18E+00	1.10E-01	8.77E-05	1.09E-01	7.04E-03	2.26E-01
1577	494461.06	3858701.99	8.59E-02	7.24E-05	1.11E-01	6.99E-03	2.04E-01	1.13E-01	6.94E+00	1.11E+00	3.57E-02	8.20E+00	1.10E-01	8.77E-05	1.11E-01	6.99E-03	2.28E-01
1578	494511.06	3858701.99	8.59E-02	7.27E-05	8.34E-02	6.94E-03	1.76E-01	1.13E-01	6.98E+00	8.34E-01	3.54E-02	7.96E+00	1.10E-01	8.81E-05	8.34E-02	6.94E-03	2.01E-01
1579	494561.06	3858701.99	8.67E-02	7.25E-05	8.14E-02	6.89E-03	1.75E-01	1.15E-01	6.95E+00	8.14E-01	3.52E-02	7.92E+00	1.11E-01	8.78E-05	8.14E-02	6.89E-03	2.00E-01
1580	494611.06	3858701.99	8.47E-02	7.17E-05	7.38E-02	6.85E-03	1.65E-01	1.12E-01	6.88E+00	7.38E-01	3.50E-02	7.76E+00	1.09E-01	8.69E-05	7.38E-02	6.85E-03	1.89E-01
1581	494661.06	3858701.99	8.65E-02	7.17E-05	7.42E-02	6.79E-03	1.68E-01	1.14E-01	6.88E+00	7.42E-01	3.47E-02	7.77E+00	1.11E-01	8.69E-05	7.42E-02	6.79E-03	1.92E-01
1582	494711.06	3858701.99	7.93E-02	7.01E-05	5.91E-02	6.76E-03	1.45E-01	1.05E-01	6.72E+00	5.91E-01	3.45E-02	7.45E+00	1.02E-01	8.49E-05	5.91E-02	6.76E-03	1.68E-01

1583	494761.06	3858701.99	8.29E-02	7.05E-05	6.27E-02	6.70E-03	1.52E-01	1.10E-01	6.76E+00	6.27E-01	3.42E-02	7.53E+00	1.06E-01	8.54E-05	6.27E-02	6.70E-03	1.76E-01
1584	494811.06	3858701.99	1.87E-01	6.98E-05	5.72E-02	6.66E-03	2.51E-01	2.47E-01	6.69E+00	5.72E-01	3.40E-02	7.54E+00	2.40E-01	8.45E-05	5.72E-02	6.66E-03	3.04E-01
1585	494861.06	3858701.99	7.87E-02	6.92E-05	5.35E-02	6.62E-03	1.39E-01	1.04E-01	6.64E+00	5.35E-01	3.38E-02	7.31E+00	1.01E-01	8.39E-05	5.35E-02	6.62E-03	1.61E-01
1586	494911.06	3858701.99	7.73E-02	6.88E-05	5.09E-02	6.57E-03	1.35E-01	1.02E-01	6.59E+00	5.09E-01	3.36E-02	7.24E+00	9.91E-02	8.33E-05	5.09E-02	6.57E-03	1.57E-01
1587	494961.06	3858701.99	7.29E-02	6.78E-05	4.77E-02	6.15E-03	1.27E-01	9.63E-02	6.50E+00	4.77E-01	3.14E-02	7.11E+00	9.35E-02	8.21E-05	4.77E-02	6.15E-03	1.47E-01
1588	495011.06	3858701.99	7.05E-02	6.72E-05	3.99E-02	6.16E-03	1.17E-01	9.32E-02	6.45E+00	3.99E-01	3.15E-02	6.97E+00	9.04E-02	8.14E-05	3.99E-02	6.16E-03	1.37E-01
1589	495061.06	3858701.99	7.01E-02	6.70E-05	3.45E-02	6.16E-03	1.11E-01	9.26E-02	6.43E+00	3.45E-01	3.15E-02	6.89E+00	8.99E-02	8.12E-05	3.45E-02	6.16E-03	1.31E-01
1590	495111.06	3858701.99	6.70E-02	6.63E-05	3.06E-02	6.18E-03	1.04E-01	8.86E-02	6.36E+00	3.06E-01	3.16E-02	6.79E+00	8.59E-02	8.04E-05	3.06E-02	6.18E-03	1.23E-01
1591	495161.06	3858701.99	6.60E-02	6.60E-05	3.07E-02	6.18E-03	1.03E-01	8.72E-02	6.33E+00	3.07E-01	3.16E-02	6.76E+00	8.46E-02	8.00E-05	3.07E-02	6.18E-03	1.22E-01
1592	495211.06	3858701.99	6.42E-02	6.56E-05	3.07E-02	6.19E-03	1.01E-01	8.48E-02	6.29E+00	3.07E-01	3.16E-02	6.71E+00	8.23E-02	7.95E-05	3.07E-02	6.19E-03	1.19E-01
1593	495261.06	3858701.99	6.44E-02	6.55E-05	3.07E-02	6.19E-03	1.01E-01	8.51E-02	6.28E+00	3.07E-01	3.16E-02	6.71E+00	8.26E-02	7.94E-05	3.07E-02	6.19E-03	1.20E-01
1594	495311.06	3858701.99	6.46E-02	6.55E-05	3.07E-02	6.19E-03	1.02E-01	8.54E-02	6.28E+00	3.07E-01	3.16E-02	6.70E+00	8.29E-02	7.93E-05	3.07E-02	6.19E-03	1.20E-01
1595	495361.06	3858701.99	6.44E-02	6.53E-05	3.07E-02	6.19E-03	1.01E-01	8.50E-02	6.27E+00	3.07E-01	3.16E-02	6.69E+00	8.25E-02	7.91E-05	3.07E-02	6.19E-03	1.19E-01
1596	495411.06	3858701.99	6.49E-02	6.53E-05	3.07E-02	6.18E-03	1.02E-01	8.58E-02	6.27E+00	3.07E-01	3.16E-02	6.69E+00	8.32E-02	7.92E-05	3.07E-02	6.18E-03	1.20E-01
1597	495461.06	3858701.99	6.49E-02	6.52E-05	3.07E-02	6.18E-03	1.02E-01	8.57E-02	6.26E+00	3.07E-01	3.16E-02	6.68E+00	8.32E-02	7.90E-05	3.07E-02	6.18E-03	1.20E-01
1598	495511.06	3858701.99	6.43E-02	6.51E-05	3.07E-02	6.18E-03	1.01E-01	8.49E-02	6.24E+00	3.07E-01	3.16E-02	6.66E+00	8.24E-02	7.88E-05	3.07E-02	6.18E-03	1.19E-01
1599	495561.06	3858701.99	6.34E-02	6.48E-05	3.07E-02	6.18E-03	1.00E-01	8.37E-02	6.22E+00	3.07E-01	3.16E-02	6.64E+00	8.12E-02	7.86E-05	3.07E-02	6.18E-03	1.18E-01
1600	495611.06	3858701.99	6.24E-02	6.46E-05	3.07E-02	6.18E-03	9.94E-02	8.24E-02	6.20E+00	3.07E-01	3.16E-02	6.62E+00	8.00E-02	7.83E-05	3.07E-02	6.18E-03	1.17E-01
1601	495661.06	3858701.99	6.21E-02	6.45E-05	3.07E-02	6.18E-03	9.90E-02	8.20E-02	6.18E+00	3.07E-01	3.16E-02	6.61E+00	7.96E-02	7.81E-05	3.07E-02	6.18E-03	1.17E-01
1602	494311.06	3858751.99	7.67E-02	7.11E-05	5.79E-02	6.94E-03	1.42E-01	1.01E-01	6.82E+00	5.79E-01	3.55E-02	7.54E+00	9.83E-02	8.61E-05	5.79E-02	6.94E-03	1.63E-01
1603	494361.06	3858751.99	8.79E-02	7.43E-05	1.08E-01	6.85E-03	2.03E-01	1.16E-01	7.12E+00	1.08E+00	3.50E-02	8.36E+00	1.13E-01	9.00E-05	1.08E-01	6.85E-03	2.28E-01
1604	494411.06	3858751.99	9.18E-02	7.54E-05	1.32E-01	7.15E-03	2.31E-01	1.21E-01	7.24E+00	1.32E+00	3.65E-02	8.71E+00	1.18E-01	9.14E-05	1.32E-01	7.15E-03	2.57E-01
1605	494461.06	3858751.99	9.17E-02	7.54E-05	1.34E-01	7.34E-03	2.33E-01	1.21E-01	7.23E+00	1.34E+00	3.75E-02	8.73E+00	1.18E-01	9.14E-05	1.34E-01	7.34E-03	2.59E-01
1606	494511.06	3858751.99	9.15E-02	7.59E-05	9.85E-02	6.69E-03	1.97E-01	1.21E-01	7.27E+00	9.85E-01	3.42E-02	8.42E+00	1.17E-01	9.19E-05	9.85E-02	6.69E-03	2.23E-01
1607	494561.06	3858751.99	8.99E-02	7.49E-05	1.02E-01	6.64E-03	1.99E-01	1.19E-01	7.19E+00	1.02E+00	3.39E-02	8.36E+00	1.15E-01	9.08E-05	1.02E-01	6.64E-03	2.24E-01
1608	494611.06	3858751.99	8.73E-02	7.43E-05	9.25E-02	6.59E-03	1.86E-01	1.15E-01	7.12E+00	9.25E-01	3.37E-02	8.20E+00	1.12E-01	9.00E-05	9.25E-02	6.59E-03	2.11E-01
1609	494661.06	3858751.99	8.62E-02	7.39E-05	9.86E-02	6.54E-03	1.91E-01	1.14E-01	7.09E+00	9.86E-01	3.34E-02	8.22E+00	1.10E-01	8.95E-05	9.86E-02	6.54E-03	2.16E-01
1610	494711.06	3858751.99	8.26E-02	7.29E-05	8.50E-02	6.49E-03	1.74E-01	1.09E-01	6.99E+00	8.50E-01	3.32E-02	7.98E+00	1.06E-01	8.83E-05	8.50E-02	6.49E-03	1.98E-01
1611	494761.06	3858751.99	8.27E-02	7.29E-05	7.30E-02	6.44E-03	1.62E-01	1.09E-01	6.99E+00	7.30E-01	3.29E-02	7.87E+00	1.06E-01	8.83E-05	7.30E-02	6.44E-03	1.86E-01
1612	494811.06	3858751.99	8.04E-02	7.21E-05	6.55E-02	6.40E-03	1.52E-01	1.06E-01	6.91E+00	6.55E-01	3.27E-02	7.71E+00	1.03E-01	8.73E-05	6.55E-02	6.40E-03	1.75E-01
1613	494861.06	3858751.99	7.85E-02	7.13E-05	5.98E-02	6.36E-03	1.45E-01	1.04E-01	6.84E+00	5.98E-01	3.25E-02	7.57E+00	1.01E-01	8.64E-05	5.98E-02	6.36E-03	1.67E-01
1614	494911.06	3858751.99	7.61E-02	7.05E-05	5.43E-02	6.31E-03	1.37E-01	1.00E-01	6.76E+00	5.43E-01	3.23E-02	7.44E+00	9.75E-02	8.54E-05	5.43E-02	6.31E-03	1.58E-01
1615	494961.06	3858751.99	7.47E-02	6.99E-05	5.13E-02	6.27E-03	1.32E-01	9.87E-02	6.71E+00	5.13E-01	3.20E-02	7.35E+00	9.58E-02	8.47E-05	5.13E-02	6.27E-03	1.53E-01
1616	495011.06	3858751.99	7.42E-02	6.96E-05	4.98E-02	6.22E-03	1.30E-01	9.80E-02	6.67E+00	4.98E-01	3.18E-02	7.30E+00	9.51E-02	8.43E-05	4.98E-02	6.22E-03	1.51E-01
1617	495061.06	3858751.99	7.25E-02	6.90E-05	4.79E-02	6.23E-03	1.27E-01	9.57E-02	6.61E+00	4.79E-01	3.18E-02	7.22E+00	9.29E-02	8.36E-05	4.79E-02	6.23E-03	1.47E-01
1618	495111.06	3858751.99	7.00E-02	6.83E-05	4.46E-02	6.24E-03	1.21E-01	9.24E-02	6.55E+00	4.46E-01	3.19E-02	7.12E+00	8.97E-02	8.27E-05	4.46E-02	6.24E-03	1.41E-01
1619	495161.06	3858751.99	6.91E-02	6.79E-05	3.69E-02	6.25E-03	1.12E-01	9.12E-02	6.51E+00	3.69E-01	3.19E-02	7.00E+00	8.85E-02	8.23E-05	3.69E-02	6.25E-03	1.32E-01
1620	495211.06	3858751.99	6.74E-02	6.74E-05	2.94E-02	6.26E-03	1.03E-01	8.91E-02	6.47E+00	2.94E-01	3.20E-02	6.88E+00	8.65E-02	8.17E-05	2.94E-02	6.26E-03	1.22E-01
1621	495261.06	3858751.99	6.77E-02	6.73E-05	2.92E-02	6.25E-03	1.03E-01	8.95E-02	6.45E+00	2.92E-01	3.19E-02	6.87E+00	8.69E-02	8.15E-05	2.92E-02	6.25E-03	1.22E-01
1622	495311.06	3858751.99	6.82E-02	6.72E-05	2.91E-02	6.25E-03	1.04E-01	9.01E-02	6.45E+00	2.91E-01	3.19E-02	6.86E+00	8.75E-02	8.14E-05	2.91E-02	6.25E-03	1.23E-01
1623	495361.06	3858751.99	6.82E-02	6.70E-05	2.92E-02	6.25E-03	1.04E-01	9.01E-02	6.43E+00	2.92E-01	3.19E-02	6.84E+00	8.74E-02	8.12E-05	2.92E-02	6.25E-03	1.23E-01
1624	495411.06	3858751.99	6.92E-02	6.71E-05	2.92E-02	6.24E-03	1.05E-01	9.14E-02	6.43E+00	2.92E-01	3.19E-02	6.85E+00	8.87E-02	8.13E-05	2.92E-02	6.24E-03	1.24E-01
1625	495461.06	3858751.99	6.93E-02	6.69E-05	2.92E-02	6.24E-03	1.05E-01	9.16E-02	6.42E+00	2.92E-01	3.19E-02	6.84E+00	8.89E-02	8.11E-05	2.92E-02	6.24E-03	1.24E-01
1626	495511.06	3858751.99	6.88E-02	6.67E-05	2.92E-02	6.24E-03	1.04E-01	9.09E-02	6.40E+00	2.92E-01	3.19E-02	6.81E+00	8.82E-02	8.08E-05	2.92E-02	6.24E-03	1.24E-01
1627	495561.06	3858751.99	6.81E-02	6.65E-05	2.93E-02	6.24E-03	1.04E-01	8.99E-02	6.37E+00	2.93E-01	3.19E-02	6.79E+00	8.73E-02	8.05E-05	2.93E-02	6.24E-03	1.23E-01
1628	495611.06	3858751.99	6.73E-02	6.62E-05	2.93E-02	6.24E-03	1.03E-01	8.89E-02	6.35E+00	2.93E-01	3.19E-02	6.76E+00	8.63E-02	8.02E-05	2.93E-02	6.24E-03	1.22E-01
1629	495661.06	3858751.99	6.68E-02	6.60E-05	2.93E-02	6.24E-03	1.02E-01	8.82E-02	6.33E+00	2.93E-01	3.19E-02	6.74E+00	8.56E-02	8.00E-05	2.93E-02	6.24E-03	1.21E-01
1630	494311.06	3858801.99	8.43E-02	7.44E-05	7.71E-02	6.66E-03	1.68E-01	1.11E-01	7.14E+00	7.71E-01	3.40E-02	8.06E+00	1.08E-01	9.02E-05	7.71E-02	6.66E-03	1.92E-01
1631	494361.06	3858801.99	9.38E-02	7.72E-05	1.30E-01	6.91E-03	2.31E-01	1.24E-01	7.41E+00	1.30E+00	3.53E-02	8.87E+00	1.20E-01	9.36E-05	1.30E-01	6.91E-03	2.58E-01
1632	494411.06	3858801.99	9.59E-02	7.79E-05	1.44E-01	7.78E-03	2.48E-01	1.27E-01	7.47E+00	1.44E+00	3.97E-02	9.08E+00	1.23E-01	9.44E-05	1.44E-01	7.78E-03	2.75E-01
1633	494461.06	3858801.99	9.69E-02	7.82E-05	1.40E-01	7.71E-03	2.44E-01	1.28E-01	7.50E+00	1.40E+00	3.94E-02	9.06E+00	1.24E-01	9.47E-05	1.40E-01	7.71E-03	2.72E-01
1634	494511.06	3858801.99	9.69E-02	7.87E-05	1.09E-01	6.68E-03	2.13E-01	1.28E-01	7.55E+00	1.09E+00	3.41E-02	8.80E+00	1.24E-01	9.53E-05	1.09E-01	6.68E-03	2.40E-01
1635	494561.06	3858801.99	9.62E-02	7.84E-05	1.09E-01	6.69E-03	2.12E-01	1.27E-01	7.52E+00	1.09E+00	3.42E-02	8.77E+00	1.23E-01	9.50E-05	1.09E-01	6.69E-03	2.39E-01
1636	494611.06	3858801.99	9.47E-02	7.79E-05	1.06E-01	6.52E-03	2.07E-01	1.25E-01	7.47E+00	1.06E+00	3.33E-02	8.69E+00	1.21E-01	9.44E-05	1.06E-01	6.52E-03	2.34E-01
1637	494661.06	3858801.99	9.22E-02	7.71E-05	9.92E-02	6.28E-03	1.98E-01	1.22E-01	7.39E+00	9.92E-01	3.21E-02	8.54E+00	1.18E-01	9.34E-05	9.92E-02	6.28E-03	2.24E-01
1638	494711.06	3858801.99	8.92E-02	7.61E-05	9.11E-02	6.23E-03	1.87E-01	1.18E-01	7.30E+00	9.11E-01	3.18E-02	8.36E+00	1.14E-01	9.22E-05	9.11E-02	6.23E-03	2.12E-01
1639	494761.06	3858801.99	8.57E-02	7.50E-05	8.14E-02	6.23E-03	1.73E-01	1.13E-01	7.19E+00	8.14E-01	3.18E-02	8.15E+00	1.10E-01	9.09E-05	8.14E-02	6.23E-03	1.98E-01
1640	494811.06	3858801.99	8.21E-02	7.39E-05	7.19E-02	6.25E-03	1.60E-01	1.08E-01	7.09E+00	7.19E-01	3.19E-02	7.95E+00	1.05E-01	8.95E-05	7.19E-02	6.25E-03	1.83E-01
1641	494861.06	3858801.99	8.01E-02	7.33E-05	6.78E-02	6.26E-03	1.54E-01	1.06E-01	7.03E+00	6.78E-01	3.20E-02	7.85E+00	1.03E-01	8.88E-05	6.78E-02	6.26E-03	1.77E-01
1642	494911.06	3858801.99	7.71E-02	7.24E-05	6.13E-02	6.27E-03	1.45E-01	1.02E-01	6.95E+00	6.13E-01	3.20E-02	7.69E+00	9.89E-02	8.78E-05	6.13E-02	6.27E-03	1.67E-01
1643	494961.06	3858801.99	7.49E-02	7.18E-05	5.73E-02	6.28E-03	1.38E-01	9.89E-02	6.89E+00	5.73E-01	3.21E-02	7.59E+00	9.60E-02	8.70E-05	5.73E-02	6.28E-03	1.60E-01

1644	495011.06	3858801.99	7.33E-02	7.12E-05	5.35E-02	6.29E-03	1.33E-01	9.69E-02	6.82E+00	5.35E-01	3.21E-02	7.49E+00	9.40E-02	8.62E-05	5.35E-02	6.29E-03	1.54E-01
1645	495061.06	3858801.99	7.32E-02	7.07E-05	5.16E-02	6.29E-03	1.31E-01	9.66E-02	6.78E+00	5.16E-01	3.21E-02	7.43E+00	9.38E-02	8.57E-05	5.16E-02	6.29E-03	1.52E-01
1646	495111.06	3858801.99	7.08E-02	6.99E-05	4.82E-02	6.31E-03	1.25E-01	9.36E-02	6.70E+00	4.82E-01	3.22E-02	7.31E+00	9.08E-02	8.47E-05	4.82E-02	6.31E-03	1.45E-01
1647	495161.06	3858801.99	6.94E-02	6.93E-05	4.67E-02	6.31E-03	1.23E-01	9.17E-02	6.65E+00	4.67E-01	3.23E-02	7.24E+00	8.90E-02	8.39E-05	4.67E-02	6.31E-03	1.42E-01
1648	495211.06	3858801.99	6.93E-02	6.90E-05	4.62E-02	6.31E-03	1.22E-01	9.15E-02	6.61E+00	4.62E-01	3.23E-02	7.20E+00	8.88E-02	8.36E-05	4.62E-02	6.31E-03	1.41E-01
1649	495261.06	3858801.99	7.00E-02	6.88E-05	4.60E-02	6.31E-03	1.22E-01	9.24E-02	6.60E+00	4.60E-01	3.22E-02	7.19E+00	8.97E-02	8.34E-05	4.60E-02	6.31E-03	1.42E-01
1650	495311.06	3858801.99	7.09E-02	6.88E-05	4.59E-02	6.31E-03	1.23E-01	9.37E-02	6.59E+00	4.59E-01	3.22E-02	7.18E+00	9.09E-02	8.33E-05	4.59E-02	6.31E-03	1.43E-01
1651	495361.06	3858801.99	7.13E-02	6.86E-05	4.56E-02	6.30E-03	1.23E-01	9.41E-02	6.58E+00	4.56E-01	3.22E-02	7.16E+00	9.14E-02	8.31E-05	4.56E-02	6.30E-03	1.43E-01
1652	495411.06	3858801.99	7.30E-02	6.87E-05	4.56E-02	6.29E-03	1.25E-01	9.65E-02	6.59E+00	4.56E-01	3.21E-02	7.17E+00	9.36E-02	8.32E-05	4.56E-02	6.29E-03	1.46E-01
1653	495461.06	3858801.99	7.31E-02	6.85E-05	4.53E-02	6.29E-03	1.25E-01	9.66E-02	6.57E+00	4.53E-01	3.21E-02	7.15E+00	9.38E-02	8.30E-05	4.53E-02	6.29E-03	1.45E-01
1654	495511.06	3858801.99	7.26E-02	6.82E-05	4.49E-02	6.29E-03	1.24E-01	9.59E-02	6.54E+00	4.49E-01	3.21E-02	7.12E+00	9.31E-02	8.26E-05	4.49E-02	6.29E-03	1.44E-01
1655	495561.06	3858801.99	7.23E-02	6.79E-05	4.46E-02	6.29E-03	1.23E-01	9.56E-02	6.52E+00	4.46E-01	3.21E-02	7.09E+00	9.27E-02	8.23E-05	4.46E-02	6.29E-03	1.44E-01
1656	495611.06	3858801.99	7.12E-02	6.76E-05	3.74E-02	6.29E-03	1.15E-01	9.41E-02	6.48E+00	3.74E-01	3.21E-02	6.98E+00	9.13E-02	8.18E-05	3.74E-02	6.29E-03	1.35E-01
1657	495661.06	3858801.99	7.13E-02	6.74E-05	3.49E-02	6.28E-03	1.12E-01	9.41E-02	6.46E+00	3.49E-01	3.21E-02	6.94E+00	9.14E-02	8.16E-05	3.49E-02	6.28E-03	1.33E-01
1658	494311.06	3858851.99	9.68E-02	7.94E-05	1.26E-01	7.24E-03	2.30E-01	1.28E-01	7.61E+00	1.26E+00	3.70E-02	9.03E+00	1.24E-01	9.62E-05	1.26E-01	7.24E-03	2.57E-01
1659	494361.06	3858851.99	1.02E-01	8.12E-05	1.64E-01	9.60E-03	2.75E-01	1.35E-01	7.78E+00	1.64E+00	4.90E-02	9.60E+00	1.31E-01	9.83E-05	1.64E-01	9.60E-03	3.04E-01
1660	494411.06	3858851.99	1.02E-01	8.09E-05	1.64E-01	9.47E-03	2.76E-01	1.35E-01	7.76E+00	1.64E+00	4.84E-02	9.59E+00	1.31E-01	9.81E-05	1.64E-01	9.47E-03	3.04E-01
1661	494461.06	3858851.99	1.02E-01	8.10E-05	1.54E-01	8.86E-03	2.66E-01	1.35E-01	7.77E+00	1.54E+00	4.53E-02	9.49E+00	1.31E-01	9.81E-05	1.54E-01	8.86E-03	2.94E-01
1662	494511.06	3858851.99	1.02E-01	8.12E-05	1.16E-01	7.28E-03	2.25E-01	1.34E-01	7.79E+00	1.16E+00	3.72E-02	9.12E+00	1.30E-01	9.84E-05	1.16E-01	7.28E-03	2.53E-01
1663	494561.06	3858851.99	1.01E-01	8.08E-05	1.14E-01	7.25E-03	2.23E-01	1.33E-01	7.75E+00	1.14E+00	3.70E-02	9.06E+00	1.29E-01	9.79E-05	1.14E-01	7.25E-03	2.51E-01
1664	494611.06	3858851.99	9.90E-02	8.01E-05	1.11E-01	7.00E-03	2.17E-01	1.31E-01	7.68E+00	1.11E+00	3.58E-02	8.95E+00	1.27E-01	9.70E-05	1.11E-01	7.00E-03	2.45E-01
1665	494661.06	3858851.99	9.67E-02	7.92E-05	1.05E-01	6.85E-03	2.09E-01	1.28E-01	7.59E+00	1.05E+00	3.50E-02	8.81E+00	1.24E-01	9.59E-05	1.05E-01	6.85E-03	2.36E-01
1666	494711.06	3858851.99	9.33E-02	7.79E-05	9.62E-02	6.61E-03	1.96E-01	1.23E-01	7.47E+00	9.62E-01	3.38E-02	8.59E+00	1.20E-01	9.44E-05	9.62E-02	6.61E-03	2.23E-01
1667	494761.06	3858851.99	8.99E-02	7.67E-05	8.73E-02	6.34E-03	1.84E-01	1.19E-01	7.36E+00	8.73E-01	3.24E-02	8.38E+00	1.15E-01	9.30E-05	8.73E-02	6.34E-03	2.09E-01
1668	494811.06	3858851.99	8.71E-02	7.58E-05	8.02E-02	6.31E-03	1.74E-01	1.15E-01	7.27E+00	8.02E-01	3.22E-02	8.22E+00	1.12E-01	9.18E-05	8.02E-02	6.31E-03	1.98E-01
1669	494861.06	3858851.99	8.53E-02	7.51E-05	7.62E-02	6.31E-03	1.68E-01	1.13E-01	7.21E+00	7.62E-01	3.23E-02	8.11E+00	1.09E-01	9.10E-05	7.62E-02	6.31E-03	1.92E-01
1670	494911.06	3858851.99	8.26E-02	7.43E-05	7.00E-02	6.32E-03	1.59E-01	1.09E-01	7.12E+00	7.00E-01	3.23E-02	7.97E+00	1.06E-01	9.00E-05	7.00E-02	6.32E-03	1.82E-01
1671	494961.06	3858851.99	8.02E-02	7.36E-05	6.50E-02	6.33E-03	1.52E-01	1.06E-01	7.05E+00	6.50E-01	3.24E-02	7.84E+00	1.03E-01	8.91E-05	6.50E-02	6.33E-03	1.74E-01
1672	495011.06	3858851.99	7.83E-02	7.30E-05	6.14E-02	6.34E-03	1.46E-01	1.03E-01	7.00E+00	6.14E-01	3.24E-02	7.75E+00	1.00E-01	8.84E-05	6.14E-02	6.34E-03	1.68E-01
1673	495061.06	3858851.99	7.60E-02	7.23E-05	5.72E-02	6.35E-03	1.40E-01	1.00E-01	6.93E+00	5.72E-01	3.24E-02	7.63E+00	9.75E-02	8.75E-05	5.72E-02	6.35E-03	1.61E-01
1674	495111.06	3858851.99	7.20E-02	7.10E-05	5.02E-02	6.37E-03	1.29E-01	9.51E-02	6.81E+00	5.02E-01	3.25E-02	7.44E+00	9.23E-02	8.60E-05	5.02E-02	6.37E-03	1.49E-01
1675	495161.06	3858851.99	6.98E-02	7.04E-05	4.78E-02	6.37E-03	1.24E-01	9.22E-02	6.75E+00	4.78E-01	3.25E-02	7.35E+00	8.94E-02	8.52E-05	4.78E-02	6.37E-03	1.44E-01
1676	495211.06	3858851.99	6.99E-02	7.04E-05	4.84E-02	6.36E-03	1.25E-01	9.23E-02	6.75E+00	4.84E-01	3.25E-02	7.36E+00	8.96E-02	8.53E-05	4.84E-02	6.36E-03	1.44E-01
1677	495261.06	3858851.99	7.08E-02	7.02E-05	4.81E-02	6.36E-03	1.25E-01	9.36E-02	6.73E+00	4.81E-01	3.25E-02	7.34E+00	9.08E-02	8.51E-05	4.81E-02	6.36E-03	1.45E-01
1678	495311.06	3858851.99	7.23E-02	7.02E-05	4.84E-02	6.35E-03	1.27E-01	9.55E-02	6.73E+00	4.84E-01	3.24E-02	7.34E+00	9.27E-02	8.50E-05	4.84E-02	6.35E-03	1.48E-01
1679	495361.06	3858851.99	7.33E-02	7.00E-05	4.83E-02	6.35E-03	1.28E-01	9.69E-02	6.72E+00	4.83E-01	3.24E-02	7.33E+00	9.40E-02	8.48E-05	4.83E-02	6.35E-03	1.49E-01
1680	495411.06	3858851.99	7.43E-02	6.99E-05	4.82E-02	6.34E-03	1.29E-01	9.81E-02	6.70E+00	4.82E-01	3.24E-02	7.32E+00	9.52E-02	8.47E-05	4.82E-02	6.34E-03	1.50E-01
1681	495461.06	3858851.99	7.53E-02	6.98E-05	4.82E-02	6.33E-03	1.30E-01	9.95E-02	6.69E+00	4.82E-01	3.23E-02	7.31E+00	9.66E-02	8.46E-05	4.82E-02	6.33E-03	1.51E-01
1682	495511.06	3858851.99	7.55E-02	6.92E-05	5.11E-02	6.32E-03	1.33E-01	9.97E-02	6.64E+00	5.11E-01	3.23E-02	7.28E+00	9.68E-02	8.38E-05	5.11E-02	6.32E-03	1.54E-01
1683	495561.06	3858851.99	7.43E-02	6.90E-05	4.57E-02	6.33E-03	1.26E-01	9.81E-02	6.62E+00	4.57E-01	3.23E-02	7.20E+00	9.52E-02	8.36E-05	4.57E-02	6.33E-03	1.47E-01
1684	495611.06	3858851.99	7.33E-02	6.85E-05	4.47E-02	6.33E-03	1.24E-01	9.69E-02	6.57E+00	4.47E-01	3.23E-02	7.15E+00	9.40E-02	8.30E-05	4.47E-02	6.33E-03	1.45E-01
1685	495661.06	3858851.99	7.41E-02	6.84E-05	4.46E-02	6.32E-03	1.25E-01	9.79E-02	6.56E+00	4.46E-01	3.23E-02	7.14E+00	9.50E-02	8.29E-05	4.46E-02	6.32E-03	1.46E-01
1686	494311.06	3858901.99	1.03E-01	8.24E-05	1.39E-01	9.63E-03	2.51E-01	1.36E-01	7.90E+00	1.39E+00	4.92E-02	9.47E+00	1.32E-01	9.98E-05	1.39E-01	9.63E-03	2.80E-01
1687	494361.06	3858901.99	1.07E-01	8.38E-05	1.60E-01	1.14E-02	2.78E-01	1.41E-01	8.04E+00	1.60E+00	5.80E-02	9.84E+00	1.37E-01	1.02E-04	1.60E-01	1.14E-02	3.08E-01
1688	494411.06	3858901.99	1.07E-01	8.39E-05	1.63E-01	1.15E-02	2.82E-01	1.42E-01	8.04E+00	1.63E+00	5.87E-02	9.88E+00	1.37E-01	1.02E-04	1.63E-01	1.15E-02	3.12E-01
1689	494461.06	3858901.99	1.09E-01	8.43E-05	1.19E-01	8.46E-03	2.36E-01	1.44E-01	8.09E+00	1.19E+00	4.32E-02	9.46E+00	1.39E-01	1.02E-04	1.19E-01	8.46E-03	2.67E-01
1690	494511.06	3858901.99	1.10E-01	8.41E-05	1.20E-01	8.41E-03	2.38E-01	1.45E-01	8.07E+00	1.20E+00	4.29E-02	9.46E+00	1.40E-01	1.02E-04	1.20E-01	8.41E-03	2.69E-01
1691	494561.06	3858901.99	1.07E-01	8.33E-05	1.18E-01	7.94E-03	2.33E-01	1.41E-01	7.99E+00	1.18E+00	4.06E-02	9.35E+00	1.37E-01	1.01E-04	1.18E-01	7.94E-03	2.63E-01
1692	494611.06	3858901.99	1.02E-01	8.18E-05	1.11E-01	7.43E-03	2.21E-01	1.35E-01	7.85E+00	1.11E+00	3.79E-02	9.13E+00	1.31E-01	9.92E-05	1.11E-01	7.43E-03	2.50E-01
1693	494661.06	3858901.99	1.01E-01	8.11E-05	1.08E-01	7.35E-03	2.16E-01	1.33E-01	7.78E+00	1.08E+00	3.75E-02	9.02E+00	1.29E-01	9.82E-05	1.08E-01	7.35E-03	2.45E-01
1694	494711.06	3858901.99	9.78E-02	7.98E-05	1.01E-01	7.15E-03	2.06E-01	1.29E-01	7.65E+00	1.01E+00	3.65E-02	8.83E+00	1.25E-01	9.67E-05	1.01E-01	7.15E-03	2.33E-01
1695	494761.06	3858901.99	9.42E-02	7.83E-05	9.17E-02	6.87E-03	1.93E-01	1.24E-01	7.51E+00	9.17E-01	3.51E-02	8.59E+00	1.21E-01	9.49E-05	9.17E-02	6.87E-03	2.19E-01
1696	494811.06	3858901.99	9.20E-02	7.75E-05	8.70E-02	6.71E-03	1.86E-01	1.22E-01	7.43E+00	8.70E-01	3.43E-02	8.46E+00	1.18E-01	9.39E-05	8.70E-02	6.71E-03	2.12E-01
1697	494861.06	3858901.99	9.04E-02	7.69E-05	8.38E-02	6.58E-03	1.81E-01	1.19E-01	7.37E+00	8.38E-01	3.36E-02	8.36E+00	1.16E-01	9.31E-05	8.38E-02	6.58E-03	2.06E-01
1698	494911.06	3858901.99	8.67E-02	7.55E-05	7.44E-02	6.38E-03	1.68E-01	1.14E-01	7.24E+00	7.44E-01	3.26E-02	8.13E+00	1.11E-01	9.15E-05	7.44E-02	6.38E-03	1.92E-01
1699	494961.06	3858901.99	8.46E-02	7.48E-05	7.02E-02	6.38E-03	1.61E-01	1.12E-01	7.17E+00	7.02E-01	3.26E-02	8.02E+00	1.09E-01	9.06E-05	7.02E-02	6.38E-03	1.85E-01
1700	495011.06	3858901.99	8.26E-02	7.41E-05	6.62E-02	6.39E-03	1.55E-01	1.09E-01	7.11E+00	6.62E-01	3.26E-02	7.91E+00	1.06E-01	8.98E-05	6.62E-02	6.39E-03	1.79E-01
1701	495061.06	3858901.99	7.97E-02	7.31E-05	6.00E-02	6.40E-03	1.46E-01	1.05E-01	7.01E+00	6.00E-01	3.27E-02	7.75E+00	1.02E-01	8.86E-05	6.00E-02	6.40E-03	1.69E-01
1702	495111.06	3858901.99	7.56E-02	7.18E-05	5.19E-02	6.42E-03	1.34E-01	9.99E-02	6.88E+00	5.19E-01	3.28E-02	7.53E+00	9.69E-02	8.69E-05	5.19E-02	6.42E-03	1.55E-01
1703	495161.06	3858901.99	7.43E-02	7.13E-05	5.05E-02	6.42E-03	1.31E-01	9.81E-02	6.84E+00	5.05E-01	3.28E-02	7.48E+00	9.52E-02	8.64E-05	5.05E-02	6.42E-03	1.52E-01
1704	495211.06	3858901.99	7.49E-02	7.16E-05	5.29E-02	6.40E-03	1.34E-01	9.89E-02	6.86E+00	5.29E-01	3.27E-02	7.52E+00	9.60E-02	8.67E-05	5.29E-02	6.40E-03	1.55E-01

1705	495261.06	3858901.99	7.44E-02	7.15E-05	5.32E-02	6.40E-03	1.34E-01	9.83E-02	6.85E+00	5.32E-01	3.27E-02	7.52E+00	9.54E-02	8.66E-05	5.32E-02	6.40E-03	1.55E-01
1706	495311.06	3858901.99	7.36E-02	7.12E-05	5.29E-02	6.39E-03	1.33E-01	9.72E-02	6.83E+00	5.29E-01	3.26E-02	7.49E+00	9.43E-02	8.63E-05	5.29E-02	6.39E-03	1.54E-01
1707	495361.06	3858901.99	7.29E-02	7.11E-05	5.28E-02	6.38E-03	1.32E-01	9.62E-02	6.81E+00	5.28E-01	3.26E-02	7.47E+00	9.34E-02	8.61E-05	5.28E-02	6.38E-03	1.53E-01
1708	495411.06	3858901.99	7.46E-02	7.11E-05	5.38E-02	6.37E-03	1.35E-01	9.85E-02	6.82E+00	5.38E-01	3.26E-02	7.48E+00	9.56E-02	8.61E-05	5.38E-02	6.37E-03	1.56E-01
1709	495461.06	3858901.99	7.53E-02	7.08E-05	5.29E-02	6.37E-03	1.35E-01	9.94E-02	6.79E+00	5.29E-01	3.25E-02	7.45E+00	9.65E-02	8.58E-05	5.29E-02	6.37E-03	1.56E-01
1710	495511.06	3858901.99	7.52E-02	7.03E-05	5.10E-02	6.37E-03	1.33E-01	9.93E-02	6.74E+00	5.10E-01	3.25E-02	7.39E+00	9.64E-02	8.52E-05	5.10E-02	6.37E-03	1.54E-01
1711	495561.06	3858901.99	7.53E-02	7.00E-05	4.97E-02	6.36E-03	1.31E-01	9.95E-02	6.71E+00	4.97E-01	3.25E-02	7.34E+00	9.66E-02	8.48E-05	4.97E-02	6.36E-03	1.53E-01
1712	495611.06	3858901.99	7.48E-02	6.95E-05	4.77E-02	6.36E-03	1.29E-01	9.88E-02	6.66E+00	4.77E-01	3.25E-02	7.27E+00	9.58E-02	8.41E-05	4.77E-02	6.36E-03	1.50E-01
1713	495661.06	3858901.99	7.61E-02	6.94E-05	4.80E-02	6.35E-03	1.31E-01	1.00E-01	6.66E+00	4.80E-01	3.25E-02	7.27E+00	9.75E-02	8.41E-05	4.80E-02	6.35E-03	1.52E-01
1714	494311.06	3858951.99	1.12E-01	8.64E-05	1.52E-01	1.35E-02	2.77E-01	1.48E-01	8.28E+00	1.52E+00	6.89E-02	1.00E+01	1.44E-01	1.05E-04	1.52E-01	1.35E-02	3.09E-01
1715	494361.06	3858951.99	1.15E-01	8.69E-05	1.61E-01	1.44E-02	2.91E-01	1.53E-01	8.34E+00	1.61E+00	7.34E-02	1.02E+01	1.48E-01	1.05E-04	1.61E-01	1.44E-02	3.24E-01
1716	494411.06	3858951.99	1.14E-01	8.63E-05	1.58E-01	1.36E-02	2.86E-01	1.51E-01	8.27E+00	1.58E+00	6.95E-02	1.01E+01	1.47E-01	1.05E-04	1.58E-01	1.36E-02	3.18E-01
1717	494461.06	3858951.99	1.16E-01	8.68E-05	1.15E-01	1.01E-02	2.41E-01	1.53E-01	8.32E+00	1.15E+00	5.14E-02	9.68E+00	1.48E-01	1.05E-04	1.15E-01	1.01E-02	2.73E-01
1718	494511.06	3858951.99	1.15E-01	8.63E-05	1.15E-01	9.82E-03	2.40E-01	1.52E-01	8.27E+00	1.15E+00	5.01E-02	9.63E+00	1.47E-01	1.05E-04	1.15E-01	9.82E-03	2.73E-01
1719	494561.06	3858951.99	1.12E-01	8.54E-05	1.14E-01	9.34E-03	2.36E-01	1.49E-01	8.19E+00	1.14E+00	4.77E-02	9.52E+00	1.44E-01	1.03E-04	1.14E-01	9.34E-03	2.68E-01
1720	494611.06	3858951.99	1.08E-01	8.40E-05	1.11E-01	8.61E-03	2.28E-01	1.43E-01	8.06E+00	1.11E+00	4.40E-02	9.35E+00	1.39E-01	1.02E-04	1.11E-01	8.61E-03	2.58E-01
1721	494661.06	3858951.99	1.05E-01	8.28E-05	1.07E-01	7.94E-03	2.20E-01	1.38E-01	7.94E+00	1.07E+00	4.06E-02	9.19E+00	1.34E-01	1.00E-04	1.07E-01	7.94E-03	2.49E-01
1722	494711.06	3858951.99	1.01E-01	8.12E-05	1.00E-01	7.54E-03	2.09E-01	1.33E-01	7.78E+00	1.00E+00	3.85E-02	8.96E+00	1.30E-01	9.83E-05	1.00E-01	7.54E-03	2.37E-01
1723	494761.06	3858951.99	9.85E-02	8.00E-05	9.49E-02	7.36E-03	2.01E-01	1.30E-01	7.67E+00	9.49E-01	3.76E-02	8.79E+00	1.26E-01	9.69E-05	9.49E-02	7.36E-03	2.29E-01
1724	494811.06	3858951.99	9.68E-02	7.92E-05	9.17E-02	7.23E-03	1.96E-01	1.28E-01	7.59E+00	9.17E-01	3.69E-02	8.67E+00	1.24E-01	9.59E-05	9.17E-02	7.23E-03	2.23E-01
1725	494861.06	3858951.99	9.50E-02	7.84E-05	8.83E-02	7.09E-03	1.91E-01	1.26E-01	7.51E+00	8.83E-01	3.62E-02	8.56E+00	1.22E-01	9.49E-05	8.83E-02	7.09E-03	2.17E-01
1726	494911.06	3858951.99	9.23E-02	7.72E-05	8.23E-02	6.85E-03	1.81E-01	1.22E-01	7.40E+00	8.23E-01	3.50E-02	8.38E+00	1.18E-01	9.35E-05	8.23E-02	6.85E-03	2.07E-01
1727	494961.06	3858951.99	9.09E-02	7.66E-05	8.00E-02	6.73E-03	1.78E-01	1.20E-01	7.35E+00	8.00E-01	3.44E-02	8.30E+00	1.17E-01	9.28E-05	8.00E-02	6.73E-03	2.03E-01
1728	495011.06	3858951.99	8.64E-02	7.49E-05	6.92E-02	6.43E-03	1.62E-01	1.14E-01	7.19E+00	6.92E-01	3.29E-02	8.02E+00	1.11E-01	9.08E-05	6.92E-02	6.43E-03	1.87E-01
1729	495061.06	3858951.99	8.22E-02	7.34E-05	5.96E-02	6.45E-03	1.48E-01	1.09E-01	7.04E+00	5.96E-01	3.30E-02	7.78E+00	1.05E-01	8.89E-05	5.96E-02	6.45E-03	1.72E-01
1730	495111.06	3858951.99	7.91E-02	7.22E-05	5.34E-02	6.46E-03	1.39E-01	1.04E-01	6.93E+00	5.34E-01	3.30E-02	7.60E+00	1.01E-01	8.75E-05	5.34E-02	6.46E-03	1.61E-01
1731	495161.06	3858951.99	8.04E-02	7.27E-05	5.78E-02	6.44E-03	1.45E-01	1.06E-01	6.97E+00	5.78E-01	3.29E-02	7.69E+00	1.03E-01	8.80E-05	5.78E-02	6.44E-03	1.67E-01
1732	495211.06	3858951.99	8.01E-02	7.26E-05	5.86E-02	6.43E-03	1.45E-01	1.06E-01	6.96E+00	5.86E-01	3.29E-02	7.68E+00	1.03E-01	8.79E-05	5.86E-02	6.43E-03	1.68E-01
1733	495261.06	3858951.99	7.97E-02	7.24E-05	5.93E-02	6.43E-03	1.46E-01	1.05E-01	6.95E+00	5.93E-01	3.28E-02	7.68E+00	1.02E-01	8.78E-05	5.93E-02	6.43E-03	1.68E-01
1734	495311.06	3858951.99	7.80E-02	7.19E-05	5.67E-02	6.43E-03	1.41E-01	1.03E-01	6.89E+00	5.67E-01	3.28E-02	7.60E+00	1.00E-01	8.71E-05	5.67E-02	6.43E-03	1.63E-01
1735	495361.06	3858951.99	7.78E-02	7.18E-05	5.78E-02	6.41E-03	1.42E-01	1.03E-01	6.89E+00	5.78E-01	3.28E-02	7.60E+00	9.97E-02	8.70E-05	5.78E-02	6.41E-03	1.64E-01
1736	495411.06	3858951.99	7.77E-02	7.19E-05	5.95E-02	6.40E-03	1.44E-01	1.03E-01	6.89E+00	5.95E-01	3.27E-02	7.62E+00	9.97E-02	8.71E-05	5.95E-02	6.40E-03	1.66E-01
1737	495461.06	3858951.99	7.68E-02	7.16E-05	5.90E-02	6.40E-03	1.42E-01	1.02E-01	6.87E+00	5.90E-01	3.27E-02	7.59E+00	9.85E-02	8.68E-05	5.90E-02	6.40E-03	1.64E-01
1738	495511.06	3858951.99	7.64E-02	7.16E-05	5.98E-02	6.39E-03	1.43E-01	1.01E-01	6.86E+00	5.98E-01	3.26E-02	7.59E+00	9.80E-02	8.67E-05	5.98E-02	6.39E-03	1.64E-01
1739	495561.06	3858951.99	7.45E-02	7.07E-05	5.52E-02	6.39E-03	1.36E-01	9.85E-02	6.78E+00	5.52E-01	3.26E-02	7.47E+00	9.56E-02	8.57E-05	5.52E-02	6.39E-03	1.57E-01
1740	495611.06	3858951.99	7.47E-02	7.02E-05	5.31E-02	6.38E-03	1.34E-01	9.87E-02	6.74E+00	5.31E-01	3.26E-02	7.40E+00	9.57E-02	8.51E-05	5.31E-02	6.38E-03	1.55E-01
1741	495661.06	3858951.99	7.64E-02	7.02E-05	5.39E-02	6.37E-03	1.37E-01	1.01E-01	6.73E+00	5.39E-01	3.26E-02	7.40E+00	9.80E-02	8.50E-05	5.39E-02	6.37E-03	1.58E-01
1742	494311.06	3859001.99	1.21E-01	8.97E-05	1.45E-01	1.66E-02	2.83E-01	1.60E-01	8.60E+00	1.45E+00	8.50E-02	1.03E+01	1.55E-01	1.09E-04	1.45E-01	1.66E-02	3.17E-01
1743	494361.06	3859001.99	1.22E-01	8.95E-05	1.38E-01	1.56E-02	2.75E-01	1.61E-01	8.58E+00	1.38E+00	7.95E-02	1.02E+01	1.56E-01	1.08E-04	1.38E-01	1.56E-02	3.10E-01
1744	494411.06	3859001.99	1.22E-01	8.96E-05	1.05E-01	1.18E-02	2.39E-01	1.61E-01	8.60E+00	1.05E+00	6.01E-02	9.87E+00	1.57E-01	1.09E-04	1.05E-01	1.18E-02	2.74E-01
1745	494461.06	3859001.99	1.22E-01	8.91E-05	1.06E-01	1.16E-02	2.40E-01	1.61E-01	8.55E+00	1.06E+00	5.91E-02	9.83E+00	1.56E-01	1.08E-04	1.06E-01	1.16E-02	2.74E-01
1746	494511.06	3859001.99	1.21E-01	8.86E-05	1.07E-01	1.14E-02	2.40E-01	1.60E-01	8.50E+00	1.07E+00	5.80E-02	9.79E+00	1.56E-01	1.07E-04	1.07E-01	1.14E-02	2.74E-01
1747	494561.06	3859001.99	1.18E-01	8.72E-05	1.06E-01	1.07E-02	2.35E-01	1.56E-01	8.36E+00	1.06E+00	5.45E-02	9.63E+00	1.51E-01	1.06E-04	1.06E-01	1.07E-02	2.68E-01
1748	494611.06	3859001.99	1.15E-01	8.59E-05	1.05E-01	1.00E-02	2.30E-01	1.52E-01	8.24E+00	1.05E+00	5.11E-02	9.49E+00	1.47E-01	1.04E-04	1.05E-01	1.00E-02	2.62E-01
1749	494661.06	3859001.99	1.10E-01	8.43E-05	1.02E-01	9.18E-03	2.22E-01	1.46E-01	8.09E+00	1.02E+00	4.69E-02	9.30E+00	1.41E-01	1.02E-04	1.02E-01	9.18E-03	2.53E-01
1750	494711.06	3859001.99	1.05E-01	8.25E-05	9.70E-02	8.19E-03	2.10E-01	1.39E-01	7.92E+00	9.70E-01	4.18E-02	9.07E+00	1.34E-01	1.00E-04	9.70E-02	8.19E-03	2.40E-01
1751	494761.06	3859001.99	1.02E-01	8.15E-05	9.44E-02	7.71E-03	2.05E-01	1.35E-01	7.82E+00	9.44E-01	3.94E-02	8.93E+00	1.31E-01	9.87E-05	9.44E-02	7.71E-03	2.33E-01
1752	494811.06	3859001.99	1.01E-01	8.09E-05	9.34E-02	7.63E-03	2.03E-01	1.34E-01	7.75E+00	9.34E-01	3.90E-02	8.86E+00	1.30E-01	9.80E-05	9.34E-02	7.63E-03	2.31E-01
1753	494861.06	3859001.99	9.92E-02	7.97E-05	8.97E-02	7.47E-03	1.96E-01	1.31E-01	7.65E+00	8.97E-01	3.81E-02	8.71E+00	1.27E-01	9.66E-05	8.97E-02	7.47E-03	2.24E-01
1754	494911.06	3859001.99	9.68E-02	7.86E-05	8.52E-02	7.27E-03	1.89E-01	1.28E-01	7.53E+00	8.52E-01	3.71E-02	8.55E+00	1.24E-01	9.52E-05	8.52E-02	7.27E-03	2.17E-01
1755	494961.06	3859001.99	9.43E-02	7.74E-05	8.03E-02	7.04E-03	1.82E-01	1.25E-01	7.42E+00	8.03E-01	3.60E-02	8.38E+00	1.21E-01	9.37E-05	8.03E-02	7.04E-03	2.08E-01
1756	495011.06	3859001.99	8.72E-02	7.45E-05	6.35E-02	6.49E-03	1.57E-01	1.15E-01	7.14E+00	6.35E-01	3.31E-02	7.92E+00	1.12E-01	9.02E-05	6.35E-02	6.49E-03	1.82E-01
1757	495061.06	3859001.99	8.59E-02	7.39E-05	6.16E-02	6.48E-03	1.54E-01	1.13E-01	7.08E+00	6.16E-01	3.31E-02	7.85E+00	1.10E-01	8.95E-05	6.16E-02	6.48E-03	1.78E-01
1758	495111.06	3859001.99	8.29E-02	7.27E-05	5.57E-02	6.49E-03	1.45E-01	1.10E-01	6.97E+00	5.57E-01	3.32E-02	7.67E+00	1.06E-01	8.81E-05	5.57E-02	6.49E-03	1.69E-01
1759	495161.06	3859001.99	8.53E-02	7.35E-05	6.29E-02	6.47E-03	1.55E-01	1.13E-01	7.05E+00	6.29E-01	3.30E-02	7.82E+00	1.09E-01	8.90E-05	6.29E-02	6.47E-03	1.79E-01
1760	495211.06	3859001.99	8.46E-02	7.32E-05	6.27E-02	6.46E-03	1.54E-01	1.12E-01	7.02E+00	6.27E-01	3.30E-02	7.79E+00	1.08E-01	8.87E-05	6.27E-02	6.46E-03	1.78E-01
1761	495261.06	3859001.99	8.45E-02	7.31E-05	6.41E-02	6.45E-03	1.55E-01	1.12E-01	7.01E+00	6.41E-01	3.29E-02	7.80E+00	1.08E-01	8.86E-05	6.41E-02	6.45E-03	1.79E-01
1762	495311.06	3859001.99	8.36E-02	7.28E-05	6.35E-02	6.44E-03	1.54E-01	1.10E-01	6.98E+00	6.35E-01	3.29E-02	7.76E+00	1.07E-01	8.82E-05	6.35E-02	6.44E-03	1.77E-01
1763	495361.06	3859001.99	8.33E-02	7.27E-05	6.46E-02	6.43E-03	1.54E-01	1.10E-01	6.97E+00	6.46E-01	3.28E-02	7.76E+00	1.07E-01	8.81E-05	6.46E-02	6.43E-03	1.78E-01
1764	495411.06	3859001.99	8.27E-02	7.25E-05	6.48E-02	6.42E-03	1.54E-01	1.09E-01	6.95E+00	6.48E-01	3.28E-02	7.74E+00	1.06E-01	8.78E-05	6.48E-02	6.42E-03	1.77E-01
1765	495461.06	3859001.99	8.22E-02	7.24E-05	6.55E-02	6.41E-03	1.54E-01	1.09E-01	6.94E+00	6.55E-01	3.27E-02	7.74E+00	1.05E-01	8.77E-05	6.55E-02	6.41E-03	1.77E-01

1766	495511.06	3859001.99	8.03E-02	7.17E-05	6.21E-02	6.41E-03	1.49E-01	1.06E-01	6.87E+00	6.21E-01	3.27E-02	7.63E+00	1.03E-01	8.68E-05	6.21E-02	6.41E-03	1.72E-01
1767	495561.06	3859001.99	7.91E-02	7.13E-05	6.08E-02	6.40E-03	1.46E-01	1.04E-01	6.83E+00	6.08E-01	3.27E-02	7.58E+00	1.01E-01	8.63E-05	6.08E-02	6.40E-03	1.69E-01
1768	495611.06	3859001.99	7.77E-02	7.08E-05	5.92E-02	6.40E-03	1.43E-01	1.03E-01	6.79E+00	5.92E-01	3.27E-02	7.52E+00	9.97E-02	8.58E-05	5.92E-02	6.40E-03	1.65E-01
1769	495661.06	3859001.99	7.81E-02	7.11E-05	6.24E-02	6.38E-03	1.47E-01	1.03E-01	6.82E+00	6.24E-01	3.26E-02	7.58E+00	1.00E-01	8.61E-05	6.24E-02	6.38E-03	1.69E-01
1770	494311.06	3859051.99	1.28E-01	9.26E-05	1.20E-01	1.79E-02	2.66E-01	1.69E-01	8.89E+00	1.20E+00	9.12E-02	1.03E+01	1.64E-01	1.12E-04	1.20E-01	1.79E-02	3.02E-01
1771	494361.06	3859051.99	1.27E-01	9.30E-05	9.75E-02	1.34E-02	2.38E-01	1.68E-01	8.92E+00	9.75E-01	6.87E-02	1.01E+01	1.63E-01	1.13E-04	9.75E-02	1.34E-02	2.74E-01
1772	494411.06	3859051.99	1.27E-01	9.22E-05	9.35E-02	1.32E-02	2.34E-01	1.67E-01	8.84E+00	9.35E-01	6.73E-02	1.00E+01	1.62E-01	1.12E-04	9.35E-02	1.32E-02	2.69E-01
1773	494461.06	3859051.99	1.26E-01	9.12E-05	9.39E-02	1.28E-02	2.32E-01	1.66E-01	8.75E+00	9.39E-01	6.55E-02	9.92E+00	1.61E-01	1.11E-04	9.39E-02	1.28E-02	2.68E-01
1774	494511.06	3859051.99	1.24E-01	9.00E-05	9.46E-02	1.23E-02	2.31E-01	1.63E-01	8.63E+00	9.46E-01	6.29E-02	9.80E+00	1.59E-01	1.09E-04	9.46E-02	1.23E-02	2.66E-01
1775	494561.06	3859051.99	1.22E-01	8.89E-05	9.53E-02	1.19E-02	2.29E-01	1.61E-01	8.52E+00	9.53E-01	6.07E-02	9.70E+00	1.56E-01	1.08E-04	9.53E-02	1.19E-02	2.64E-01
1776	494611.06	3859051.99	1.19E-01	8.74E-05	9.52E-02	1.12E-02	2.26E-01	1.57E-01	8.38E+00	9.52E-01	5.74E-02	9.55E+00	1.53E-01	1.06E-04	9.52E-02	1.12E-02	2.59E-01
1777	494661.06	3859051.99	1.16E-01	8.59E-05	9.42E-02	1.05E-02	2.20E-01	1.53E-01	8.23E+00	9.42E-01	5.36E-02	9.38E+00	1.48E-01	1.04E-04	9.42E-02	1.05E-02	2.53E-01
1778	494711.06	3859051.99	1.12E-01	8.44E-05	9.28E-02	9.80E-03	2.15E-01	1.48E-01	8.10E+00	9.28E-01	5.01E-02	9.22E+00	1.44E-01	1.02E-04	9.28E-02	9.80E-03	2.47E-01
1779	494761.06	3859051.99	1.09E-01	8.30E-05	9.06E-02	9.06E-03	2.08E-01	1.43E-01	7.96E+00	9.06E-01	4.63E-02	9.06E+00	1.39E-01	1.01E-04	9.06E-02	9.06E-03	2.39E-01
1780	494811.06	3859051.99	1.06E-01	8.20E-05	8.93E-02	8.56E-03	2.04E-01	1.40E-01	7.87E+00	8.93E-01	4.37E-02	8.94E+00	1.36E-01	9.94E-05	8.93E-02	8.56E-03	2.34E-01
1781	494861.06	3859051.99	1.04E-01	8.10E-05	8.76E-02	8.05E-03	1.99E-01	1.37E-01	7.77E+00	8.76E-01	4.11E-02	8.82E+00	1.33E-01	9.81E-05	8.76E-02	8.05E-03	2.29E-01
1782	494911.06	3859051.99	1.00E-01	7.94E-05	8.32E-02	7.48E-03	1.91E-01	1.32E-01	7.62E+00	8.32E-01	3.82E-02	8.62E+00	1.28E-01	9.62E-05	8.32E-02	7.48E-03	2.19E-01
1783	494961.06	3859051.99	9.56E-02	7.72E-05	7.46E-02	7.11E-03	1.77E-01	1.26E-01	7.41E+00	7.46E-01	3.63E-02	8.32E+00	1.23E-01	9.36E-05	7.46E-02	7.11E-03	2.04E-01
1784	495011.06	3859051.99	9.24E-02	7.57E-05	6.83E-02	6.77E-03	1.68E-01	1.22E-01	7.26E+00	6.83E-01	3.46E-02	8.10E+00	1.18E-01	9.17E-05	6.83E-02	6.77E-03	1.94E-01
1785	495061.06	3859051.99	9.02E-02	7.46E-05	6.45E-02	6.54E-03	1.61E-01	1.19E-01	7.16E+00	6.45E-01	3.34E-02	7.95E+00	1.16E-01	9.04E-05	6.45E-02	6.54E-03	1.87E-01
1786	495111.06	3859051.99	8.91E-02	7.40E-05	6.32E-02	6.50E-03	1.59E-01	1.18E-01	7.10E+00	6.32E-01	3.32E-02	7.88E+00	1.14E-01	8.97E-05	6.32E-02	6.50E-03	1.84E-01
1787	495161.06	3859051.99	9.04E-02	7.44E-05	6.76E-02	6.54E-03	1.65E-01	1.19E-01	7.14E+00	6.76E-01	3.34E-02	7.97E+00	1.16E-01	9.02E-05	6.76E-02	6.54E-03	1.90E-01
1788	495211.06	3859051.99	8.89E-02	7.38E-05	6.56E-02	6.49E-03	1.61E-01	1.17E-01	7.07E+00	6.56E-01	3.31E-02	7.88E+00	1.14E-01	8.94E-05	6.56E-02	6.49E-03	1.86E-01
1789	495261.06	3859051.99	8.94E-02	7.39E-05	6.84E-02	6.48E-03	1.64E-01	1.18E-01	7.09E+00	6.84E-01	3.31E-02	7.92E+00	1.15E-01	8.95E-05	6.84E-02	6.48E-03	1.90E-01
1790	495311.06	3859051.99	8.84E-02	7.34E-05	6.76E-02	6.48E-03	1.63E-01	1.17E-01	7.04E+00	6.76E-01	3.31E-02	7.87E+00	1.13E-01	8.90E-05	6.76E-02	6.48E-03	1.88E-01
1791	495361.06	3859051.99	8.80E-02	7.32E-05	6.82E-02	6.47E-03	1.63E-01	1.16E-01	7.02E+00	6.82E-01	3.31E-02	7.86E+00	1.13E-01	8.87E-05	6.82E-02	6.47E-03	1.88E-01
1792	495411.06	3859051.99	8.79E-02	7.32E-05	6.99E-02	6.47E-03	1.64E-01	1.16E-01	7.02E+00	6.99E-01	3.30E-02	7.87E+00	1.13E-01	8.87E-05	6.99E-02	6.47E-03	1.89E-01
1793	495461.06	3859051.99	8.77E-02	7.32E-05	7.14E-02	6.46E-03	1.66E-01	1.16E-01	7.02E+00	7.14E-01	3.30E-02	7.88E+00	1.12E-01	8.86E-05	7.14E-02	6.46E-03	1.90E-01
1794	495511.06	3859051.99	8.58E-02	7.24E-05	6.81E-02	6.46E-03	1.60E-01	1.13E-01	6.94E+00	6.81E-01	3.30E-02	7.77E+00	1.10E-01	8.77E-05	6.81E-02	6.46E-03	1.85E-01
1795	495561.06	3859051.99	8.42E-02	7.18E-05	6.60E-02	6.45E-03	1.57E-01	1.11E-01	6.88E+00	6.60E-01	3.30E-02	7.69E+00	1.08E-01	8.69E-05	6.60E-02	6.45E-03	1.81E-01
1796	495611.06	3859051.99	8.29E-02	7.12E-05	6.43E-02	6.45E-03	1.54E-01	1.09E-01	6.83E+00	6.43E-01	3.29E-02	7.62E+00	1.06E-01	8.63E-05	6.43E-02	6.45E-03	1.77E-01
1797	495661.06	3859051.99	8.32E-02	7.15E-05	6.73E-02	6.44E-03	1.57E-01	1.10E-01	6.85E+00	6.73E-01	3.29E-02	7.67E+00	1.07E-01	8.66E-05	6.73E-02	6.44E-03	1.80E-01
1798	494311.06	3859101.99	1.37E-01	9.62E-05	1.19E-01	1.45E-02	2.70E-01	1.81E-01	9.23E+00	1.19E+00	7.43E-02	1.07E+01	1.75E-01	1.17E-04	1.19E-01	1.45E-02	3.09E-01
1799	494361.06	3859101.99	1.35E-01	9.55E-05	1.15E-01	1.44E-02	2.64E-01	1.78E-01	9.16E+00	1.15E+00	7.35E-02	1.06E+01	1.73E-01	1.16E-04	1.15E-01	1.44E-02	3.02E-01
1800	494411.06	3859101.99	1.33E-01	9.49E-05	1.11E-01	1.43E-02	2.59E-01	1.76E-01	9.10E+00	1.11E+00	7.29E-02	1.05E+01	1.71E-01	1.15E-04	1.11E-01	1.43E-02	2.96E-01
1801	494461.06	3859101.99	1.31E-01	9.37E-05	1.08E-01	1.40E-02	2.52E-01	1.73E-01	8.99E+00	1.08E+00	7.15E-02	1.03E+01	1.67E-01	1.14E-04	1.08E-01	1.40E-02	2.89E-01
1802	494511.06	3859101.99	1.27E-01	9.20E-05	1.03E-01	1.35E-02	2.44E-01	1.68E-01	8.83E+00	1.03E+00	6.88E-02	1.01E+01	1.63E-01	1.11E-04	1.03E-01	1.35E-02	2.80E-01
1803	494561.06	3859101.99	1.25E-01	9.07E-05	9.91E-02	1.31E-02	2.37E-01	1.65E-01	8.70E+00	9.91E-01	6.67E-02	9.92E+00	1.60E-01	1.10E-04	9.91E-02	1.31E-02	2.73E-01
1804	494611.06	3859101.99	1.22E-01	8.87E-05	9.36E-02	1.23E-02	2.28E-01	1.61E-01	8.51E+00	9.36E-01	6.27E-02	9.67E+00	1.56E-01	1.07E-04	9.36E-02	1.23E-02	2.62E-01
1805	494661.06	3859101.99	1.20E-01	8.75E-05	8.89E-02	1.18E-02	2.21E-01	1.58E-01	8.39E+00	8.89E-01	6.03E-02	9.50E+00	1.54E-01	1.06E-04	8.89E-02	1.18E-02	2.55E-01
1806	494711.06	3859101.99	1.15E-01	8.53E-05	8.28E-02	1.08E-02	2.09E-01	1.52E-01	8.18E+00	8.28E-01	5.53E-02	9.21E+00	1.48E-01	1.03E-04	8.28E-02	1.08E-02	2.41E-01
1807	494761.06	3859101.99	1.15E-01	8.47E-05	8.39E-02	1.06E-02	2.09E-01	1.52E-01	8.13E+00	8.39E-01	5.43E-02	9.17E+00	1.47E-01	1.03E-04	8.39E-02	1.06E-02	2.42E-01
1808	494811.06	3859101.99	1.12E-01	8.33E-05	8.31E-02	9.98E-03	2.05E-01	1.48E-01	7.99E+00	8.31E-01	5.10E-02	9.02E+00	1.44E-01	1.01E-04	8.31E-02	9.98E-03	2.37E-01
1809	494861.06	3859101.99	1.09E-01	8.21E-05	8.22E-02	9.40E-03	2.01E-01	1.45E-01	7.88E+00	8.22E-01	4.80E-02	8.89E+00	1.40E-01	9.95E-05	8.22E-02	9.40E-03	2.32E-01
1810	494911.06	3859101.99	1.05E-01	8.04E-05	7.92E-02	8.52E-03	1.93E-01	1.39E-01	7.71E+00	7.92E-01	4.35E-02	8.69E+00	1.34E-01	9.74E-05	7.92E-02	8.52E-03	2.22E-01
1811	494961.06	3859101.99	9.86E-02	7.79E-05	7.21E-02	7.25E-03	1.78E-01	1.30E-01	7.47E+00	7.21E-01	3.70E-02	8.36E+00	1.26E-01	9.44E-05	7.21E-02	7.25E-03	2.06E-01
1812	495011.06	3859101.99	9.37E-02	7.54E-05	6.34E-02	6.80E-03	1.64E-01	1.24E-01	7.23E+00	6.34E-01	3.47E-02	8.02E+00	1.20E-01	9.13E-05	6.34E-02	6.80E-03	1.90E-01
1813	495061.06	3859101.99	9.41E-02	7.53E-05	6.54E-02	6.80E-03	1.66E-01	1.24E-01	7.23E+00	6.54E-01	3.47E-02	8.04E+00	1.21E-01	9.13E-05	6.54E-02	6.80E-03	1.93E-01
1814	495111.06	3859101.99	9.30E-02	7.46E-05	6.42E-02	6.66E-03	1.64E-01	1.23E-01	7.16E+00	6.42E-01	3.40E-02	7.96E+00	1.19E-01	9.04E-05	6.42E-02	6.66E-03	1.90E-01
1815	495161.06	3859101.99	9.43E-02	7.50E-05	6.82E-02	6.76E-03	1.69E-01	1.25E-01	7.20E+00	6.82E-01	3.45E-02	8.04E+00	1.21E-01	9.09E-05	6.82E-02	6.76E-03	1.96E-01
1816	495211.06	3859101.99	9.32E-02	7.44E-05	6.72E-02	6.65E-03	1.67E-01	1.23E-01	7.14E+00	6.72E-01	3.40E-02	7.96E+00	1.19E-01	9.01E-05	6.72E-02	6.65E-03	1.93E-01
1817	495261.06	3859101.99	9.34E-02	7.44E-05	6.92E-02	6.65E-03	1.69E-01	1.23E-01	7.13E+00	6.92E-01	3.40E-02	7.98E+00	1.20E-01	9.01E-05	6.92E-02	6.65E-03	1.96E-01
1818	495311.06	3859101.99	9.33E-02	7.37E-05	7.45E-02	6.66E-03	1.74E-01	1.23E-01	7.07E+00	7.45E-01	3.40E-02	7.97E+00	1.20E-01	8.93E-05	7.45E-02	6.66E-03	2.01E-01
1819	495361.06	3859101.99	9.32E-02	7.42E-05	7.20E-02	6.63E-03	1.72E-01	1.23E-01	7.11E+00	7.20E-01	3.39E-02	7.99E+00	1.20E-01	8.98E-05	7.20E-02	6.63E-03	1.98E-01
1820	495411.06	3859101.99	9.29E-02	7.40E-05	7.31E-02	6.63E-03	1.73E-01	1.23E-01	7.10E+00	7.31E-01	3.39E-02	7.98E+00	1.19E-01	8.96E-05	7.31E-02	6.63E-03	1.99E-01
1821	495461.06	3859101.99	9.23E-02	7.31E-05	7.94E-02	6.62E-03	1.78E-01	1.22E-01	7.01E+00	7.94E-01	3.38E-02	7.96E+00	1.18E-01	8.86E-05	7.94E-02	6.62E-03	2.04E-01
1822	495511.06	3859101.99	9.15E-02	7.28E-05	7.94E-02	6.62E-03	1.78E-01	1.21E-01	6.98E+00	7.94E-01	3.38E-02	7.93E+00	1.17E-01	8.82E-05	7.94E-02	6.62E-03	2.03E-01
1823	495561.06	3859101.99	8.97E-02	7.25E-05	7.09E-02	6.61E-03	1.67E-01	1.19E-01	6.96E+00	7.09E-01	3.38E-02	7.82E+00	1.15E-01	8.79E-05	7.09E-02	6.61E-03	1.93E-01
1824	495611.06	3859101.99	8.82E-02	7.19E-05	6.89E-02	6.60E-03	1.64E-01	1.16E-01	6.89E+00	6.89E-01	3.37E-02	7.73E+00	1.13E-01	8.71E-05	6.89E-02	6.60E-03	1.89E-01
1825	495661.06	3859101.99	8.79E-02	7.18E-05	7.04E-02	6.60E-03	1.65E-01	1.16E-01	6.89E+00	7.04E-01	3.37E-02	7.74E+00	1.13E-01	8.70E-05	7.04E-02	6.60E-03	1.90E-01
1826	494311.06	3859151.99	1.45E-01	9.90E-05	1.32E-01	1.51E-02	2.91E-01	1.91E-01	9.49E+00	1.32E+00	7.69E-02	1.11E+01	1.85E-01	1.20E-04	1.32E-01	1.51E-02	3.32E-01

1827	494361.06	3859151.99	1.43E-01	9.85E-05	1.28E-01	1.50E-02	2.86E-01	1.89E-01	9.45E+00	1.28E+00	7.68E-02	1.10E+01	1.83E-01	1.19E-04	1.28E-01	1.50E-02	3.27E-01
1828	494411.06	3859151.99	1.40E-01	9.70E-05	1.26E-01	1.48E-02	2.81E-01	1.85E-01	9.30E+00	1.26E+00	7.58E-02	1.08E+01	1.79E-01	1.18E-04	1.26E-01	1.48E-02	3.20E-01
1829	494461.06	3859151.99	1.37E-01	9.55E-05	1.23E-01	1.46E-02	2.74E-01	1.81E-01	9.16E+00	1.23E+00	7.46E-02	1.06E+01	1.75E-01	1.16E-04	1.23E-01	1.46E-02	3.13E-01
1830	494511.06	3859151.99	1.33E-01	9.35E-05	1.20E-01	1.42E-02	2.67E-01	1.75E-01	8.97E+00	1.20E+00	7.24E-02	1.04E+01	1.70E-01	1.13E-04	1.20E-01	1.42E-02	3.04E-01
1831	494561.06	3859151.99	1.30E-01	9.24E-05	1.16E-01	1.39E-02	2.61E-01	1.72E-01	8.86E+00	1.16E+00	7.11E-02	1.03E+01	1.67E-01	1.12E-04	1.16E-01	1.39E-02	2.97E-01
1832	494611.06	3859151.99	1.26E-01	9.04E-05	1.12E-01	1.34E-02	2.52E-01	1.67E-01	8.67E+00	1.12E+00	6.83E-02	1.00E+01	1.62E-01	1.10E-04	1.12E-01	1.34E-02	2.87E-01
1833	494661.06	3859151.99	1.24E-01	8.93E-05	1.08E-01	1.30E-02	2.45E-01	1.64E-01	8.56E+00	1.08E+00	6.65E-02	9.87E+00	1.59E-01	1.08E-04	1.08E-01	1.30E-02	2.79E-01
1834	494711.06	3859151.99	1.22E-01	8.83E-05	1.03E-01	1.27E-02	2.38E-01	1.61E-01	8.46E+00	1.03E+00	6.49E-02	9.73E+00	1.57E-01	1.07E-04	1.03E-01	1.27E-02	2.73E-01
1835	494761.06	3859151.99	1.19E-01	8.61E-05	9.74E-02	1.19E-02	2.28E-01	1.57E-01	8.26E+00	9.74E-01	6.07E-02	9.45E+00	1.52E-01	1.04E-04	9.74E-02	1.19E-02	2.61E-01
1836	494811.06	3859151.99	1.15E-01	8.43E-05	9.14E-02	1.11E-02	2.18E-01	1.52E-01	8.09E+00	9.14E-01	5.69E-02	9.21E+00	1.48E-01	1.02E-04	9.14E-02	1.11E-02	2.51E-01
1837	494861.06	3859151.99	1.14E-01	8.33E-05	8.66E-02	1.07E-02	2.11E-01	1.50E-01	7.98E+00	8.66E-01	5.46E-02	9.06E+00	1.46E-01	1.01E-04	8.66E-02	1.07E-02	2.43E-01
1838	494911.06	3859151.99	1.09E-01	8.12E-05	7.89E-02	9.70E-03	1.98E-01	1.44E-01	7.79E+00	7.89E-01	4.96E-02	8.77E+00	1.40E-01	9.84E-05	7.89E-02	9.70E-03	2.29E-01
1839	494961.06	3859151.99	1.02E-01	7.81E-05	7.08E-02	8.77E-03	1.82E-01	1.35E-01	7.49E+00	7.08E-01	4.48E-02	8.38E+00	1.31E-01	9.46E-05	7.08E-02	8.77E-03	2.11E-01
1840	495011.06	3859151.99	9.69E-02	7.61E-05	6.17E-02	7.04E-03	1.66E-01	1.28E-01	7.30E+00	6.17E-01	3.59E-02	8.08E+00	1.24E-01	9.22E-05	6.17E-02	7.04E-03	1.93E-01
1841	495061.06	3859151.99	9.70E-02	7.58E-05	6.29E-02	7.00E-03	1.67E-01	1.28E-01	7.27E+00	6.29E-01	3.57E-02	8.07E+00	1.24E-01	9.19E-05	6.29E-02	7.00E-03	1.94E-01
1842	495111.06	3859151.99	9.66E-02	7.54E-05	6.33E-02	6.84E-03	1.67E-01	1.28E-01	7.23E+00	6.33E-01	3.49E-02	8.03E+00	1.24E-01	9.13E-05	6.33E-02	6.84E-03	1.94E-01
1843	495161.06	3859151.99	9.79E-02	7.58E-05	6.70E-02	7.18E-03	1.72E-01	1.29E-01	7.27E+00	6.70E-01	3.67E-02	8.11E+00	1.26E-01	9.19E-05	6.70E-02	7.18E-03	2.00E-01
1844	495211.06	3859151.99	9.76E-02	7.55E-05	6.76E-02	7.05E-03	1.72E-01	1.29E-01	7.24E+00	6.76E-01	3.60E-02	8.08E+00	1.25E-01	9.14E-05	6.76E-02	7.05E-03	2.00E-01
1845	495261.06	3859151.99	9.73E-02	7.51E-05	6.83E-02	6.94E-03	1.73E-01	1.29E-01	7.20E+00	6.83E-01	3.54E-02	8.05E+00	1.25E-01	9.10E-05	6.83E-02	6.94E-03	2.00E-01
1846	495311.06	3859151.99	9.71E-02	7.49E-05	6.94E-02	6.88E-03	1.73E-01	1.28E-01	7.18E+00	6.94E-01	3.51E-02	8.04E+00	1.24E-01	9.07E-05	6.94E-02	6.88E-03	2.01E-01
1847	495361.06	3859151.99	9.67E-02	7.46E-05	7.02E-02	6.79E-03	1.74E-01	1.28E-01	7.15E+00	7.02E-01	3.47E-02	8.02E+00	1.24E-01	9.04E-05	7.02E-02	6.79E-03	2.01E-01
1848	495411.06	3859151.99	9.77E-02	7.50E-05	7.36E-02	7.04E-03	1.78E-01	1.29E-01	7.19E+00	7.36E-01	3.60E-02	8.09E+00	1.25E-01	9.08E-05	7.36E-02	7.04E-03	2.06E-01
1849	495461.06	3859151.99	9.72E-02	7.47E-05	7.45E-02	6.96E-03	1.79E-01	1.28E-01	7.16E+00	7.45E-01	3.55E-02	8.07E+00	1.25E-01	9.05E-05	7.45E-02	6.96E-03	2.06E-01
1850	495511.06	3859151.99	9.56E-02	7.39E-05	7.29E-02	6.77E-03	1.75E-01	1.26E-01	7.08E+00	7.29E-01	3.46E-02	7.97E+00	1.23E-01	8.95E-05	7.29E-02	6.77E-03	2.02E-01
1851	495561.06	3859151.99	9.45E-02	7.33E-05	7.23E-02	6.77E-03	1.74E-01	1.25E-01	7.03E+00	7.23E-01	3.46E-02	7.91E+00	1.21E-01	8.88E-05	7.23E-02	6.77E-03	2.00E-01
1852	495611.06	3859151.99	9.35E-02	7.28E-05	7.19E-02	6.76E-03	1.72E-01	1.23E-01	6.98E+00	7.19E-01	3.45E-02	7.86E+00	1.20E-01	8.82E-05	7.19E-02	6.76E-03	1.99E-01
1853	495661.06	3859151.99	9.26E-02	7.24E-05	7.19E-02	6.75E-03	1.71E-01	1.22E-01	6.94E+00	7.19E-01	3.45E-02	7.82E+00	1.19E-01	8.77E-05	7.19E-02	6.75E-03	1.97E-01
1854	494311.06	3859201.99	1.52E-01	1.02E-04	1.38E-01	1.50E-02	3.05E-01	2.00E-01	9.74E+00	1.38E+00	7.68E-02	1.14E+01	1.94E-01	1.23E-04	1.38E-01	1.50E-02	3.48E-01
1855	494361.06	3859201.99	1.49E-01	1.01E-04	1.36E-01	1.51E-02	3.01E-01	1.97E-01	9.66E+00	1.36E+00	7.69E-02	1.13E+01	1.92E-01	1.22E-04	1.36E-01	1.51E-02	3.43E-01
1856	494411.06	3859201.99	1.47E-01	9.93E-05	1.35E-01	1.50E-02	2.97E-01	1.94E-01	9.53E+00	1.35E+00	7.67E-02	1.11E+01	1.88E-01	1.20E-04	1.35E-01	1.50E-02	3.38E-01
1857	494461.06	3859201.99	1.43E-01	9.73E-05	1.34E-01	1.49E-02	2.92E-01	1.89E-01	9.33E+00	1.34E+00	7.60E-02	1.09E+01	1.83E-01	1.18E-04	1.34E-01	1.49E-02	3.33E-01
1858	494511.06	3859201.99	1.40E-01	9.60E-05	1.32E-01	1.48E-02	2.87E-01	1.85E-01	9.21E+00	1.32E+00	7.54E-02	1.08E+01	1.80E-01	1.16E-04	1.32E-01	1.48E-02	3.27E-01
1859	494561.06	3859201.99	1.36E-01	9.38E-05	1.30E-01	1.44E-02	2.81E-01	1.80E-01	8.99E+00	1.30E+00	7.37E-02	1.05E+01	1.75E-01	1.14E-04	1.30E-01	1.44E-02	3.19E-01
1860	494611.06	3859201.99	1.33E-01	9.21E-05	1.27E-01	1.41E-02	2.74E-01	1.76E-01	8.83E+00	1.27E+00	7.21E-02	1.04E+01	1.70E-01	1.12E-04	1.27E-01	1.41E-02	3.12E-01
1861	494661.06	3859201.99	1.30E-01	9.08E-05	1.24E-01	1.38E-02	2.68E-01	1.72E-01	8.71E+00	1.24E+00	7.07E-02	1.02E+01	1.67E-01	1.10E-04	1.24E-01	1.38E-02	3.05E-01
1862	494711.06	3859201.99	1.28E-01	8.96E-05	1.20E-01	1.35E-02	2.61E-01	1.69E-01	8.59E+00	1.20E+00	6.92E-02	1.00E+01	1.64E-01	1.08E-04	1.20E-01	1.35E-02	2.97E-01
1863	494761.06	3859201.99	1.23E-01	8.74E-05	1.15E-01	1.29E-02	2.52E-01	1.63E-01	8.38E+00	1.15E+00	6.58E-02	9.76E+00	1.58E-01	1.06E-04	1.15E-01	1.29E-02	2.86E-01
1864	494811.06	3859201.99	1.20E-01	8.57E-05	1.10E-01	1.23E-02	2.42E-01	1.58E-01	8.22E+00	1.10E+00	6.29E-02	9.54E+00	1.53E-01	1.04E-04	1.10E-01	1.23E-02	2.76E-01
1865	494861.06	3859201.99	1.15E-01	8.33E-05	1.05E-01	1.19E-02	2.33E-01	1.53E-01	7.99E+00	1.05E+00	6.08E-02	9.25E+00	1.48E-01	1.01E-04	1.05E-01	1.19E-02	2.65E-01
1866	494911.06	3859201.99	1.10E-01	8.13E-05	9.54E-02	1.05E-02	2.16E-01	1.46E-01	7.80E+00	9.54E-01	5.35E-02	8.95E+00	1.41E-01	9.85E-05	9.54E-02	1.05E-02	2.47E-01
1867	494961.06	3859201.99	1.05E-01	7.89E-05	8.56E-02	9.29E-03	2.00E-01	1.38E-01	7.57E+00	8.56E-01	4.75E-02	8.61E+00	1.34E-01	9.56E-05	8.56E-02	9.29E-03	2.29E-01
1868	495011.06	3859201.99	9.73E-02	7.57E-05	7.26E-02	7.76E-03	1.78E-01	1.29E-01	7.26E+00	7.26E-01	3.97E-02	8.16E+00	1.25E-01	9.17E-05	7.26E-02	7.76E-03	2.05E-01
1869	495061.06	3859201.99	1.01E-01	7.69E-05	7.52E-02	8.40E-03	1.85E-01	1.34E-01	7.37E+00	7.52E-01	4.29E-02	8.30E+00	1.30E-01	9.31E-05	7.52E-02	8.40E-03	2.14E-01
1870	495111.06	3859201.99	1.03E-01	7.68E-05	7.37E-02	8.47E-03	1.85E-01	1.35E-01	7.37E+00	7.37E-01	4.33E-02	8.28E+00	1.31E-01	9.31E-05	7.37E-02	8.47E-03	2.14E-01
1871	495161.06	3859201.99	1.03E-01	7.66E-05	7.15E-02	8.45E-03	1.83E-01	1.36E-01	7.35E+00	7.15E-01	4.31E-02	8.24E+00	1.32E-01	9.28E-05	7.15E-02	8.45E-03	2.12E-01
1872	495211.06	3859201.99	1.02E-01	7.60E-05	6.78E-02	8.17E-03	1.78E-01	1.35E-01	7.29E+00	6.78E-01	4.17E-02	8.14E+00	1.31E-01	9.20E-05	6.78E-02	8.17E-03	2.07E-01
1873	495261.06	3859201.99	1.03E-01	7.60E-05	6.64E-02	8.25E-03	1.78E-01	1.36E-01	7.28E+00	6.64E-01	4.21E-02	8.13E+00	1.32E-01	9.20E-05	6.64E-02	8.25E-03	2.07E-01
1874	495311.06	3859201.99	1.03E-01	7.57E-05	6.61E-02	8.19E-03	1.77E-01	1.36E-01	7.26E+00	6.61E-01	4.19E-02	8.10E+00	1.32E-01	9.17E-05	6.61E-02	8.19E-03	2.06E-01
1875	495361.06	3859201.99	1.03E-01	7.56E-05	6.76E-02	8.19E-03	1.79E-01	1.37E-01	7.25E+00	6.76E-01	4.19E-02	8.10E+00	1.32E-01	9.16E-05	6.76E-02	8.19E-03	2.08E-01
1876	495411.06	3859201.99	1.05E-01	7.59E-05	7.02E-02	8.40E-03	1.83E-01	1.38E-01	7.28E+00	7.02E-01	4.29E-02	8.16E+00	1.34E-01	9.19E-05	7.02E-02	8.40E-03	2.13E-01
1877	495461.06	3859201.99	1.04E-01	7.54E-05	7.08E-02	8.23E-03	1.83E-01	1.37E-01	7.24E+00	7.08E-01	4.20E-02	8.12E+00	1.33E-01	9.14E-05	7.08E-02	8.23E-03	2.12E-01
1878	495511.06	3859201.99	1.03E-01	7.50E-05	7.15E-02	8.06E-03	1.83E-01	1.36E-01	7.20E+00	7.15E-01	4.12E-02	8.09E+00	1.32E-01	9.09E-05	7.15E-02	8.06E-03	2.12E-01
1879	495561.06	3859201.99	1.00E-01	7.40E-05	7.03E-02	7.58E-03	1.78E-01	1.33E-01	7.10E+00	7.03E-01	3.87E-02	7.97E+00	1.29E-01	8.97E-05	7.03E-02	7.58E-03	2.07E-01
1880	495611.06	3859201.99	9.85E-02	7.34E-05	6.99E-02	7.27E-03	1.76E-01	1.30E-01	7.04E+00	6.99E-01	3.71E-02	7.90E+00	1.26E-01	8.89E-05	6.99E-02	7.27E-03	2.04E-01
1881	495661.06	3859201.99	9.73E-02	7.29E-05	7.03E-02	7.09E-03	1.75E-01	1.29E-01	7.00E+00	7.03E-01	3.62E-02	7.86E+00	1.25E-01	8.84E-05	7.03E-02	7.09E-03	2.02E-01
1882	494311.06	3859251.99	1.60E-01	1.04E-04	1.38E-01	1.45E-02	3.12E-01	2.11E-01	1.00E+01	1.38E+00	7.42E-02	1.17E+01	2.05E-01	1.26E-04	1.38E-01	1.45E-02	3.57E-01
1883	494361.06	3859251.99	1.56E-01	1.03E-04	1.39E-01	1.47E-02	3.10E-01	2.06E-01	9.85E+00	1.39E+00	7.49E-02	1.15E+01	2.00E-01	1.24E-04	1.39E-01	1.47E-02	3.54E-01
1884	494411.06	3859251.99	1.52E-01	1.00E-04	1.41E-01	1.48E-02	3.07E-01	2.00E-01	9.64E+00	1.41E+00	7.54E-02	1.13E+01	1.94E-01	1.22E-04	1.41E-01	1.48E-02	3.50E-01
1885	494461.06	3859251.99	1.49E-01	9.91E-05	1.40E-01	1.48E-02	3.04E-01	1.97E-01	9.51E+00	1.40E+00	7.56E-02	1.12E+01	1.91E-01	1.20E-04	1.40E-01	1.48E-02	3.46E-01
1886	494511.06	3859251.99	1.45E-01	9.68E-05	1.41E-01	1.47E-02	3.01E-01	1.91E-01	9.28E+00	1.41E+00	7.52E-02	1.10E+01	1.86E-01	1.17E-04	1.41E-01	1.47E-02	3.42E-01
1887	494561.06	3859251.99	1.42E-01	9.53E-05	1.40E-01	1.46E-02	2.97E-01	1.88E-01	9.14E+00	1.40E+00	7.48E-02	1.08E+01	1.82E-01	1.15E-04	1.40E-01	1.46E-02	3.37E-01

1888	494611.06	3859251.99	1.38E-01	9.34E-05	1.39E-01	1.44E-02	2.92E-01	1.83E-01	8.96E+00	1.39E+00	7.37E-02	1.06E+01	1.78E-01	1.13E-04	1.39E-01	1.44E-02	3.31E-01
1889	494661.06	3859251.99	1.36E-01	9.25E-05	1.36E-01	1.43E-02	2.87E-01	1.80E-01	8.87E+00	1.36E+00	7.32E-02	1.05E+01	1.75E-01	1.12E-04	1.36E-01	1.43E-02	3.25E-01
1890	494711.06	3859251.99	1.34E-01	9.11E-05	1.33E-01	1.41E-02	2.81E-01	1.77E-01	8.74E+00	1.33E+00	7.22E-02	1.03E+01	1.71E-01	1.10E-04	1.33E-01	1.41E-02	3.19E-01
1891	494761.06	3859251.99	1.27E-01	8.71E-05	1.31E-01	1.35E-02	2.71E-01	1.68E-01	8.35E+00	1.31E+00	6.91E-02	9.89E+00	1.63E-01	1.05E-04	1.31E-01	1.35E-02	3.07E-01
1892	494811.06	3859251.99	1.26E-01	8.71E-05	1.26E-01	1.32E-02	2.66E-01	1.66E-01	8.35E+00	1.26E+00	6.74E-02	9.85E+00	1.62E-01	1.06E-04	1.26E-01	1.32E-02	3.01E-01
1893	494861.06	3859251.99	1.20E-01	8.37E-05	1.22E-01	1.26E-02	2.54E-01	1.59E-01	8.02E+00	1.22E+00	6.45E-02	9.46E+00	1.54E-01	1.01E-04	1.22E-01	1.26E-02	2.88E-01
1894	494911.06	3859251.99	1.14E-01	8.15E-05	1.12E-01	1.11E-02	2.37E-01	1.51E-01	7.81E+00	1.12E+00	5.70E-02	9.14E+00	1.46E-01	9.87E-05	1.12E-01	1.11E-02	2.69E-01
1895	494961.06	3859251.99	1.11E-01	8.02E-05	1.06E-01	1.07E-02	2.28E-01	1.47E-01	7.69E+00	1.06E+00	5.44E-02	8.95E+00	1.42E-01	9.72E-05	1.06E-01	1.07E-02	2.59E-01
1896	495011.06	3859251.99	1.08E-01	7.87E-05	9.92E-02	1.00E-02	2.17E-01	1.42E-01	7.55E+00	9.92E-01	5.11E-02	8.74E+00	1.38E-01	9.54E-05	9.92E-02	1.00E-02	2.47E-01
1897	495061.06	3859251.99	1.08E-01	7.88E-05	9.77E-02	1.02E-02	2.16E-01	1.43E-01	7.56E+00	9.77E-01	5.19E-02	8.73E+00	1.38E-01	9.55E-05	9.77E-02	1.02E-02	2.46E-01
1898	495111.06	3859251.99	1.08E-01	7.83E-05	9.40E-02	9.97E-03	2.12E-01	1.42E-01	7.51E+00	9.40E-01	5.09E-02	8.64E+00	1.38E-01	9.48E-05	9.40E-02	9.97E-03	2.42E-01
1899	495161.06	3859251.99	1.08E-01	7.80E-05	9.14E-02	9.93E-03	2.10E-01	1.43E-01	7.48E+00	9.14E-01	5.07E-02	8.59E+00	1.39E-01	9.45E-05	9.14E-02	9.93E-03	2.40E-01
1900	495211.06	3859251.99	1.08E-01	7.74E-05	8.76E-02	9.69E-03	2.05E-01	1.43E-01	7.42E+00	8.76E-01	4.95E-02	8.49E+00	1.38E-01	9.37E-05	8.76E-02	9.69E-03	2.36E-01
1901	495261.06	3859251.99	1.09E-01	7.68E-05	8.73E-02	1.01E-02	2.06E-01	1.44E-01	7.36E+00	8.73E-01	5.17E-02	8.43E+00	1.39E-01	9.30E-05	8.73E-02	1.01E-02	2.37E-01
1902	495311.06	3859251.99	1.10E-01	7.71E-05	8.34E-02	9.75E-03	2.03E-01	1.45E-01	7.40E+00	8.34E-01	4.98E-02	8.43E+00	1.41E-01	9.35E-05	8.34E-02	9.75E-03	2.34E-01
1903	495361.06	3859251.99	1.10E-01	7.68E-05	8.06E-02	9.64E-03	2.00E-01	1.45E-01	7.36E+00	8.06E-01	4.92E-02	8.36E+00	1.40E-01	9.30E-05	8.06E-02	9.64E-03	2.31E-01
1904	495411.06	3859251.99	1.11E-01	7.70E-05	7.93E-02	9.80E-03	2.00E-01	1.46E-01	7.38E+00	7.93E-01	5.01E-02	8.37E+00	1.42E-01	9.32E-05	7.93E-02	9.80E-03	2.31E-01
1905	495461.06	3859251.99	1.10E-01	7.65E-05	7.64E-02	9.65E-03	1.97E-01	1.46E-01	7.34E+00	7.64E-01	4.93E-02	8.30E+00	1.42E-01	9.27E-05	7.64E-02	9.65E-03	2.28E-01
1906	495511.06	3859251.99	1.08E-01	7.54E-05	7.18E-02	9.16E-03	1.89E-01	1.43E-01	7.24E+00	7.18E-01	4.68E-02	8.14E+00	1.39E-01	9.14E-05	7.18E-02	9.16E-03	2.20E-01
1907	495561.06	3859251.99	1.07E-01	7.49E-05	6.87E-02	8.92E-03	1.85E-01	1.41E-01	7.18E+00	6.87E-01	4.56E-02	8.05E+00	1.37E-01	9.07E-05	6.87E-02	8.92E-03	2.15E-01
1908	495611.06	3859251.99	1.05E-01	7.39E-05	6.54E-02	8.50E-03	1.79E-01	1.39E-01	7.09E+00	6.54E-01	4.34E-02	7.93E+00	1.34E-01	8.96E-05	6.54E-02	8.50E-03	2.08E-01
1909	495661.06	3859251.99	1.04E-01	7.34E-05	6.57E-02	8.25E-03	1.78E-01	1.37E-01	7.04E+00	6.57E-01	4.22E-02	7.87E+00	1.33E-01	8.89E-05	6.57E-02	8.25E-03	2.07E-01
1910	494311.06	3859301.99	1.67E-01	1.07E-04	1.31E-01	1.36E-02	3.11E-01	2.20E-01	1.02E+01	1.31E+00	6.96E-02	1.18E+01	2.13E-01	1.29E-04	1.31E-01	1.36E-02	3.58E-01
1911	494361.06	3859301.99	1.63E-01	1.05E-04	1.34E-01	1.39E-02	3.11E-01	2.16E-01	1.01E+01	1.34E+00	7.10E-02	1.17E+01	2.09E-01	1.27E-04	1.34E-01	1.39E-02	3.57E-01
1912	494411.06	3859301.99	1.59E-01	1.03E-04	1.38E-01	1.42E-02	3.12E-01	2.10E-01	9.85E+00	1.38E+00	7.23E-02	1.15E+01	2.04E-01	1.24E-04	1.38E-01	1.42E-02	3.57E-01
1913	494461.06	3859301.99	1.55E-01	1.00E-04	1.42E-01	1.43E-02	3.11E-01	2.05E-01	9.63E+00	1.42E+00	7.33E-02	1.13E+01	1.99E-01	1.22E-04	1.42E-01	1.43E-02	3.55E-01
1914	494511.06	3859301.99	1.51E-01	9.85E-05	1.43E-01	1.44E-02	3.09E-01	1.99E-01	9.45E+00	1.43E+00	7.38E-02	1.12E+01	1.93E-01	1.19E-04	1.43E-01	1.44E-02	3.52E-01
1915	494561.06	3859301.99	1.48E-01	9.71E-05	1.44E-01	1.45E-02	3.06E-01	1.95E-01	9.31E+00	1.44E+00	7.40E-02	1.10E+01	1.89E-01	1.18E-04	1.44E-01	1.45E-02	3.47E-01
1916	494611.06	3859301.99	1.45E-01	9.55E-05	1.44E-01	1.45E-02	3.03E-01	1.91E-01	9.16E+00	1.44E+00	7.40E-02	1.09E+01	1.85E-01	1.16E-04	1.44E-01	1.45E-02	3.44E-01
1917	494661.06	3859301.99	1.42E-01	9.39E-05	1.43E-01	1.44E-02	3.00E-01	1.87E-01	9.01E+00	1.43E+00	7.37E-02	1.07E+01	1.82E-01	1.14E-04	1.43E-01	1.44E-02	3.40E-01
1918	494711.06	3859301.99	1.38E-01	9.20E-05	1.43E-01	1.43E-02	2.95E-01	1.83E-01	8.82E+00	1.43E+00	7.28E-02	1.05E+01	1.77E-01	1.11E-04	1.43E-01	1.43E-02	3.34E-01
1919	494761.06	3859301.99	1.35E-01	9.03E-05	1.41E-01	1.41E-02	2.90E-01	1.79E-01	8.66E+00	1.41E+00	7.18E-02	1.03E+01	1.73E-01	1.09E-04	1.41E-01	1.41E-02	3.28E-01
1920	494811.06	3859301.99	1.31E-01	8.79E-05	1.39E-01	1.36E-02	2.83E-01	1.73E-01	8.43E+00	1.39E+00	6.95E-02	1.01E+01	1.68E-01	1.07E-04	1.39E-01	1.36E-02	3.20E-01
1921	494861.06	3859301.99	1.24E-01	8.47E-05	1.34E-01	1.27E-02	2.71E-01	1.64E-01	8.12E+00	1.34E+00	6.49E-02	9.69E+00	1.60E-01	1.03E-04	1.34E-01	1.27E-02	3.06E-01
1922	494911.06	3859301.99	1.21E-01	8.32E-05	1.29E-01	1.23E-02	2.63E-01	1.60E-01	7.98E+00	1.29E+00	6.27E-02	9.49E+00	1.55E-01	1.01E-04	1.29E-01	1.23E-02	2.97E-01
1923	494961.06	3859301.99	1.15E-01	7.99E-05	1.21E-01	1.13E-02	2.47E-01	1.51E-01	7.66E+00	1.21E+00	5.77E-02	9.08E+00	1.47E-01	9.68E-05	1.21E-01	1.13E-02	2.80E-01
1924	495011.06	3859301.99	1.12E-01	7.88E-05	1.16E-01	1.10E-02	2.40E-01	1.48E-01	7.56E+00	1.16E+00	5.60E-02	8.93E+00	1.44E-01	9.55E-05	1.16E-01	1.10E-02	2.72E-01
1925	495061.06	3859301.99	1.16E-01	8.01E-05	1.19E-01	1.19E-02	2.47E-01	1.53E-01	7.68E+00	1.19E+00	6.10E-02	9.09E+00	1.48E-01	9.70E-05	1.19E-01	1.19E-02	2.79E-01
1926	495111.06	3859301.99	1.12E-01	7.87E-05	1.12E-01	1.11E-02	2.36E-01	1.48E-01	7.54E+00	1.12E+00	5.69E-02	8.87E+00	1.44E-01	9.53E-05	1.12E-01	1.11E-02	2.67E-01
1927	495161.06	3859301.99	1.12E-01	7.87E-05	1.08E-01	1.09E-02	2.31E-01	1.47E-01	7.55E+00	1.08E+00	5.57E-02	8.84E+00	1.43E-01	9.54E-05	1.08E-01	1.09E-02	2.62E-01
1928	495211.06	3859301.99	1.13E-01	7.91E-05	1.07E-01	1.12E-02	2.31E-01	1.49E-01	7.58E+00	1.07E+00	5.71E-02	8.86E+00	1.44E-01	9.58E-05	1.07E-01	1.12E-02	2.63E-01
1929	495261.06	3859301.99	1.14E-01	7.90E-05	1.05E-01	1.12E-02	2.30E-01	1.50E-01	7.58E+00	1.05E+00	5.74E-02	8.84E+00	1.46E-01	9.57E-05	1.05E-01	1.12E-02	2.62E-01
1930	495311.06	3859301.99	1.13E-01	7.80E-05	1.01E-01	1.09E-02	2.24E-01	1.49E-01	7.48E+00	1.01E+00	5.55E-02	8.69E+00	1.44E-01	9.45E-05	1.01E-01	1.09E-02	2.56E-01
1931	495361.06	3859301.99	1.14E-01	7.80E-05	9.87E-02	1.10E-02	2.24E-01	1.51E-01	7.48E+00	9.87E-01	5.61E-02	8.68E+00	1.46E-01	9.45E-05	9.87E-02	1.10E-02	2.56E-01
1932	495411.06	3859301.99	1.14E-01	7.77E-05	9.60E-02	1.09E-02	2.21E-01	1.51E-01	7.46E+00	9.60E-01	5.58E-02	8.62E+00	1.47E-01	9.42E-05	9.60E-02	1.09E-02	2.54E-01
1933	495461.06	3859301.99	1.15E-01	7.76E-05	9.35E-02	1.09E-02	2.20E-01	1.52E-01	7.44E+00	9.35E-01	5.58E-02	8.58E+00	1.48E-01	9.40E-05	9.35E-02	1.09E-02	2.52E-01
1934	495511.06	3859301.99	1.14E-01	7.66E-05	8.95E-02	1.06E-02	2.14E-01	1.50E-01	7.35E+00	8.95E-01	5.40E-02	8.45E+00	1.46E-01	9.28E-05	8.95E-02	1.06E-02	2.46E-01
1935	495561.06	3859301.99	1.11E-01	7.51E-05	8.40E-02	9.92E-03	2.05E-01	1.46E-01	7.20E+00	8.40E-01	5.07E-02	8.24E+00	1.42E-01	9.10E-05	8.40E-02	9.92E-03	2.36E-01
1936	495611.06	3859301.99	1.10E-01	7.45E-05	8.07E-02	9.69E-03	2.00E-01	1.45E-01	7.14E+00	8.07E-01	4.95E-02	8.14E+00	1.41E-01	9.02E-05	8.07E-02	9.69E-03	2.31E-01
1937	495661.06	3859301.99	1.09E-01	7.38E-05	7.74E-02	9.45E-03	1.96E-01	1.44E-01	7.08E+00	7.74E-01	4.83E-02	8.05E+00	1.40E-01	8.94E-05	7.74E-02	9.45E-03	2.27E-01
1938	494311.06	3859351.99	1.76E-01	1.09E-04	1.21E-01	1.25E-02	3.09E-01	2.32E-01	1.04E+01	1.21E+00	6.40E-02	1.19E+01	2.25E-01	1.32E-04	1.21E-01	1.25E-02	3.59E-01
1939	494361.06	3859351.99	1.70E-01	1.07E-04	1.25E-01	1.29E-02	3.09E-01	2.25E-01	1.02E+01	1.25E+00	6.58E-02	1.18E+01	2.18E-01	1.29E-04	1.25E-01	1.29E-02	3.57E-01
1940	494411.06	3859351.99	1.65E-01	1.04E-04	1.32E-01	1.33E-02	3.11E-01	2.18E-01	9.99E+00	1.32E+00	6.80E-02	1.16E+01	2.12E-01	1.26E-04	1.32E-01	1.33E-02	3.57E-01
1941	494461.06	3859351.99	1.61E-01	1.02E-04	1.37E-01	1.36E-02	3.12E-01	2.13E-01	9.79E+00	1.37E+00	6.96E-02	1.14E+01	2.07E-01	1.24E-04	1.37E-01	1.36E-02	3.58E-01
1942	494511.06	3859351.99	1.58E-01	1.00E-04	1.40E-01	1.38E-02	3.12E-01	2.08E-01	9.61E+00	1.40E+00	7.07E-02	1.13E+01	2.02E-01	1.21E-04	1.40E-01	1.38E-02	3.56E-01
1943	494561.06	3859351.99	1.55E-01	9.89E-05	1.41E-01	1.40E-02	3.10E-01	2.04E-01	9.49E+00	1.41E+00	7.14E-02	1.12E+01	1.98E-01	1.20E-04	1.41E-01	1.40E-02	3.54E-01
1944	494611.06	3859351.99	1.51E-01	9.74E-05	1.43E-01	1.41E-02	3.08E-01	2.00E-01	9.34E+00	1.43E+00	7.21E-02	1.10E+01	1.94E-01	1.18E-04	1.43E-01	1.41E-02	3.51E-01
1945	494661.06	3859351.99	1.47E-01	9.57E-05	1.44E-01	1.42E-02	3.06E-01	1.95E-01	9.18E+00	1.44E+00	7.25E-02	1.09E+01	1.89E-01	1.16E-04	1.44E-01	1.42E-02	3.47E-01
1946	494711.06	3859351.99	1.43E-01	9.35E-05	1.46E-01	1.42E-02	3.04E-01	1.89E-01	8.97E+00	1.46E+00	7.24E-02	1.07E+01	1.84E-01	1.13E-04	1.46E-01	1.42E-02	3.44E-01
1947	494761.06	3859351.99	1.39E-01	9.04E-05	1.48E-01	1.42E-02	3.01E-01	1.84E-01	8.67E+00	1.48E+00	7.27E-02	1.04E+01	1.78E-01	1.10E-04	1.48E-01	1.42E-02	3.41E-01
1948	494811.06	3859351.99	1.32E-01	8.70E-05	1.47E-01	1.34E-02	2.93E-01	1.75E-01	8.35E+00	1.47E+00	6.83E-02	1.01E+01	1.70E-01	1.05E-04	1.47E-01	1.34E-02	3.31E-01

1949	494861.06	3859351.99	1.30E-01	8.58E-05	1.45E-01	1.32E-02	2.88E-01	1.71E-01	8.22E+00	1.45E+00	6.72E-02	9.91E+00	1.66E-01	1.04E-04	1.45E-01	1.32E-02	3.24E-01
1950	494911.06	3859351.99	1.28E-01	8.50E-05	1.42E-01	1.31E-02	2.83E-01	1.69E-01	8.15E+00	1.42E+00	6.67E-02	9.80E+00	1.64E-01	1.03E-04	1.42E-01	1.31E-02	3.19E-01
1951	494961.06	3859351.99	1.25E-01	8.35E-05	1.39E-01	1.27E-02	2.76E-01	1.65E-01	8.01E+00	1.39E+00	6.50E-02	9.62E+00	1.60E-01	1.01E-04	1.39E-01	1.27E-02	3.12E-01
1952	495011.06	3859351.99	1.23E-01	8.25E-05	1.35E-01	1.25E-02	2.71E-01	1.62E-01	7.91E+00	1.35E+00	6.38E-02	9.49E+00	1.58E-01	9.99E-05	1.35E-01	1.25E-02	3.05E-01
1953	495061.06	3859351.99	1.24E-01	8.32E-05	1.34E-01	1.29E-02	2.71E-01	1.64E-01	7.98E+00	1.34E+00	6.57E-02	9.54E+00	1.59E-01	1.01E-04	1.34E-01	1.29E-02	3.06E-01
1954	495111.06	3859351.99	1.22E-01	8.20E-05	1.30E-01	1.26E-02	2.65E-01	1.61E-01	7.86E+00	1.30E+00	6.42E-02	9.39E+00	1.56E-01	9.93E-05	1.30E-01	1.26E-02	2.99E-01
1955	495161.06	3859351.99	1.21E-01	8.15E-05	1.27E-01	1.25E-02	2.61E-01	1.60E-01	7.81E+00	1.27E+00	6.39E-02	9.31E+00	1.55E-01	9.87E-05	1.27E-01	1.25E-02	2.95E-01
1956	495211.06	3859351.99	1.20E-01	8.09E-05	1.24E-01	1.24E-02	2.56E-01	1.58E-01	7.75E+00	1.24E+00	6.33E-02	9.22E+00	1.53E-01	9.80E-05	1.24E-01	1.24E-02	2.90E-01
1957	495261.06	3859351.99	1.19E-01	8.07E-05	1.21E-01	1.24E-02	2.53E-01	1.58E-01	7.74E+00	1.21E+00	6.36E-02	9.17E+00	1.53E-01	9.78E-05	1.21E-01	1.24E-02	2.87E-01
1958	495311.06	3859351.99	1.17E-01	7.97E-05	1.18E-01	1.22E-02	2.48E-01	1.55E-01	7.65E+00	1.18E+00	6.22E-02	9.04E+00	1.51E-01	9.66E-05	1.18E-01	1.22E-02	2.81E-01
1959	495361.06	3859351.99	1.16E-01	7.92E-05	1.15E-01	1.21E-02	2.43E-01	1.54E-01	7.59E+00	1.15E+00	6.17E-02	8.96E+00	1.49E-01	9.59E-05	1.15E-01	1.21E-02	2.76E-01
1960	495411.06	3859351.99	1.17E-01	7.89E-05	1.12E-01	1.21E-02	2.42E-01	1.55E-01	7.57E+00	1.12E+00	6.17E-02	8.91E+00	1.51E-01	9.56E-05	1.12E-01	1.21E-02	2.75E-01
1961	495461.06	3859351.99	1.19E-01	7.89E-05	1.10E-01	1.21E-02	2.41E-01	1.57E-01	7.56E+00	1.10E+00	6.20E-02	8.88E+00	1.52E-01	9.55E-05	1.10E-01	1.21E-02	2.74E-01
1962	495511.06	3859351.99	1.17E-01	7.75E-05	1.06E-01	1.17E-02	2.34E-01	1.55E-01	7.43E+00	1.06E+00	5.97E-02	8.70E+00	1.50E-01	9.39E-05	1.06E-01	1.17E-02	2.67E-01
1963	495561.06	3859351.99	1.16E-01	7.64E-05	1.02E-01	1.14E-02	2.29E-01	1.53E-01	7.33E+00	1.02E+00	5.80E-02	8.56E+00	1.49E-01	9.26E-05	1.02E-01	1.14E-02	2.62E-01
1964	495611.06	3859351.99	1.16E-01	7.57E-05	9.84E-02	1.12E-02	2.25E-01	1.53E-01	7.26E+00	9.84E-01	5.70E-02	8.46E+00	1.48E-01	9.17E-05	9.84E-02	1.12E-02	2.58E-01
1965	495661.06	3859351.99	1.13E-01	7.44E-05	9.37E-02	1.06E-02	2.18E-01	1.50E-01	7.13E+00	9.37E-01	5.43E-02	8.27E+00	1.45E-01	9.01E-05	9.37E-02	1.06E-02	2.50E-01
1966	494311.06	3859401.99	1.86E-01	1.42E-04	1.05E-01	1.12E-02	3.02E-01	2.45E-01	1.36E+01	1.05E+00	5.72E-02	1.50E+01	2.38E-01	1.72E-04	1.05E-01	1.12E-02	3.54E-01
1967	494361.06	3859401.99	1.81E-01	1.09E-04	1.13E-01	1.17E-02	3.06E-01	2.39E-01	1.04E+01	1.13E+00	5.99E-02	1.18E+01	2.32E-01	1.32E-04	1.13E-01	1.17E-02	3.57E-01
1968	494411.06	3859401.99	1.75E-01	1.06E-04	1.22E-01	1.23E-02	3.09E-01	2.31E-01	1.01E+01	1.22E+00	6.26E-02	1.17E+01	2.25E-01	1.28E-04	1.22E-01	1.23E-02	3.59E-01
1969	494461.06	3859401.99	1.70E-01	1.04E-04	1.27E-01	1.26E-02	3.10E-01	2.25E-01	9.96E+00	1.27E+00	6.46E-02	1.15E+01	2.18E-01	1.26E-04	1.27E-01	1.26E-02	3.58E-01
1970	494511.06	3859401.99	1.65E-01	1.03E-04	1.29E-01	1.29E-02	3.07E-01	2.18E-01	9.84E+00	1.29E+00	6.58E-02	1.14E+01	2.12E-01	1.24E-04	1.29E-01	1.29E-02	3.54E-01
1971	494561.06	3859401.99	1.62E-01	1.01E-04	1.32E-01	1.31E-02	3.07E-01	2.13E-01	9.70E+00	1.32E+00	6.71E-02	1.13E+01	2.07E-01	1.23E-04	1.32E-01	1.31E-02	3.52E-01
1972	494611.06	3859401.99	1.58E-01	9.92E-05	1.36E-01	1.34E-02	3.08E-01	2.09E-01	9.52E+00	1.36E+00	6.85E-02	1.12E+01	2.03E-01	1.20E-04	1.36E-01	1.34E-02	3.52E-01
1973	494661.06	3859401.99	1.55E-01	9.79E-05	1.38E-01	1.36E-02	3.07E-01	2.05E-01	9.39E+00	1.38E+00	6.94E-02	1.10E+01	1.99E-01	1.19E-04	1.38E-01	1.36E-02	3.50E-01
1974	494711.06	3859401.99	1.52E-01	9.63E-05	1.40E-01	1.37E-02	3.06E-01	2.00E-01	9.24E+00	1.40E+00	7.02E-02	1.09E+01	1.94E-01	1.17E-04	1.40E-01	1.37E-02	3.49E-01
1975	494761.06	3859401.99	1.46E-01	9.28E-05	1.46E-01	1.42E-02	3.07E-01	1.93E-01	8.90E+00	1.46E+00	7.24E-02	1.06E+01	1.87E-01	1.12E-04	1.46E-01	1.42E-02	3.48E-01
1976	494811.06	3859401.99	1.41E-01	9.08E-05	1.48E-01	1.38E-02	3.03E-01	1.86E-01	8.71E+00	1.48E+00	7.04E-02	1.04E+01	1.81E-01	1.10E-04	1.48E-01	1.38E-02	3.43E-01
1977	494861.06	3859401.99	1.36E-01	8.79E-05	1.50E-01	1.35E-02	3.00E-01	1.80E-01	8.43E+00	1.50E+00	6.91E-02	1.02E+01	1.75E-01	1.06E-04	1.50E-01	1.35E-02	3.38E-01
1978	494911.06	3859401.99	1.34E-01	8.58E-05	1.49E-01	1.36E-02	2.96E-01	1.76E-01	8.23E+00	1.49E+00	6.93E-02	9.97E+00	1.71E-01	1.04E-04	1.49E-01	1.36E-02	3.34E-01
1979	494961.06	3859401.99	1.32E-01	8.54E-05	1.47E-01	1.33E-02	2.92E-01	1.74E-01	8.19E+00	1.47E+00	6.80E-02	9.90E+00	1.69E-01	1.03E-04	1.47E-01	1.33E-02	3.29E-01
1980	495011.06	3859401.99	1.31E-01	8.48E-05	1.45E-01	1.33E-02	2.89E-01	1.72E-01	8.13E+00	1.45E+00	6.80E-02	9.82E+00	1.67E-01	1.03E-04	1.45E-01	1.33E-02	3.26E-01
1981	495061.06	3859401.99	1.30E-01	8.42E-05	1.43E-01	1.37E-02	2.87E-01	1.72E-01	8.07E+00	1.43E+00	6.99E-02	9.75E+00	1.67E-01	1.02E-04	1.43E-01	1.37E-02	3.24E-01
1982	495111.06	3859401.99	1.28E-01	8.28E-05	1.41E-01	1.34E-02	2.82E-01	1.69E-01	7.94E+00	1.41E+00	6.87E-02	9.59E+00	1.64E-01	1.00E-04	1.41E-01	1.34E-02	3.18E-01
1983	495161.06	3859401.99	1.27E-01	8.28E-05	1.38E-01	1.32E-02	2.78E-01	1.67E-01	7.94E+00	1.38E+00	6.74E-02	9.55E+00	1.62E-01	1.00E-04	1.38E-01	1.32E-02	3.14E-01
1984	495211.06	3859401.99	1.26E-01	8.26E-05	1.36E-01	1.33E-02	2.75E-01	1.67E-01	7.92E+00	1.36E+00	6.78E-02	9.51E+00	1.62E-01	1.00E-04	1.36E-01	1.33E-02	3.11E-01
1985	495261.06	3859401.99	1.25E-01	8.20E-05	1.33E-01	1.32E-02	2.72E-01	1.65E-01	7.86E+00	1.33E+00	6.75E-02	9.42E+00	1.60E-01	9.93E-05	1.33E-01	1.32E-02	3.07E-01
1986	495311.06	3859401.99	1.24E-01	8.12E-05	1.30E-01	1.31E-02	2.68E-01	1.64E-01	7.79E+00	1.30E+00	6.70E-02	9.32E+00	1.59E-01	9.84E-05	1.30E-01	1.31E-02	3.02E-01
1987	495361.06	3859401.99	1.24E-01	8.12E-05	1.28E-01	1.32E-02	2.65E-01	1.63E-01	7.78E+00	1.28E+00	6.75E-02	9.29E+00	1.59E-01	9.83E-05	1.28E-01	1.32E-02	3.00E-01
1988	495411.06	3859401.99	1.23E-01	8.07E-05	1.25E-01	1.32E-02	2.61E-01	1.62E-01	7.74E+00	1.25E+00	6.73E-02	9.22E+00	1.58E-01	9.77E-05	1.25E-01	1.32E-02	2.96E-01
1989	495461.06	3859401.99	1.21E-01	7.97E-05	1.23E-01	1.30E-02	2.57E-01	1.60E-01	7.64E+00	1.23E+00	6.63E-02	9.10E+00	1.55E-01	9.66E-05	1.23E-01	1.30E-02	2.91E-01
1990	495511.06	3859401.99	1.19E-01	7.83E-05	1.19E-01	1.26E-02	2.51E-01	1.57E-01	7.51E+00	1.19E+00	6.46E-02	8.92E+00	1.52E-01	9.49E-05	1.19E-01	1.26E-02	2.84E-01
1991	495561.06	3859401.99	1.17E-01	7.67E-05	1.15E-01	1.22E-02	2.45E-01	1.55E-01	7.36E+00	1.15E+00	6.21E-02	8.73E+00	1.50E-01	9.29E-05	1.15E-01	1.22E-02	2.78E-01
1992	495611.06	3859401.99	1.17E-01	7.58E-05	1.12E-01	1.19E-02	2.41E-01	1.54E-01	7.27E+00	1.12E+00	6.10E-02	8.61E+00	1.50E-01	9.19E-05	1.12E-01	1.19E-02	2.74E-01
1993	495661.06	3859401.99	1.17E-01	7.51E-05	1.09E-01	1.18E-02	2.38E-01	1.54E-01	7.20E+00	1.09E+00	6.01E-02	8.51E+00	1.49E-01	9.10E-05	1.09E-01	1.18E-02	2.70E-01
1994	494311.06	3859451.99	1.93E-01	1.42E-04	9.12E-02	1.11E-02	2.96E-01	2.56E-01	1.37E+01	9.12E-01	5.66E-02	1.49E+01	2.48E-01	1.73E-04	9.12E-02	1.11E-02	3.51E-01
1995	494361.06	3859451.99	1.89E-01	1.40E-04	9.87E-02	1.13E-02	2.99E-01	2.50E-01	1.34E+01	9.87E-01	5.76E-02	1.47E+01	2.43E-01	1.70E-04	9.87E-02	1.13E-02	3.53E-01
1996	494411.06	3859451.99	1.84E-01	1.07E-04	1.10E-01	1.15E-02	3.06E-01	2.43E-01	1.02E+01	1.10E+00	5.90E-02	1.16E+01	2.36E-01	1.29E-04	1.10E-01	1.15E-02	3.58E-01
1997	494461.06	3859451.99	1.80E-01	1.06E-04	1.13E-01	1.17E-02	3.05E-01	2.38E-01	1.01E+01	1.13E+00	5.97E-02	1.15E+01	2.31E-01	1.28E-04	1.13E-01	1.17E-02	3.55E-01
1998	494511.06	3859451.99	1.75E-01	1.04E-04	1.18E-01	1.20E-02	3.06E-01	2.32E-01	9.94E+00	1.18E+00	6.14E-02	1.14E+01	2.25E-01	1.26E-04	1.18E-01	1.20E-02	3.55E-01
1999	494561.06	3859451.99	1.71E-01	1.02E-04	1.22E-01	1.22E-02	3.05E-01	2.25E-01	9.79E+00	1.22E+00	6.24E-02	1.13E+01	2.19E-01	1.24E-04	1.22E-01	1.22E-02	3.53E-01
2000	494611.06	3859451.99	1.66E-01	1.01E-04	1.23E-01	1.24E-02	3.02E-01	2.20E-01	9.72E+00	1.23E+00	6.32E-02	1.12E+01	2.13E-01	1.23E-04	1.23E-01	1.24E-02	3.48E-01
2001	494661.06	3859451.99	1.61E-01	9.93E-05	1.28E-01	1.27E-02	3.02E-01	2.13E-01	9.52E+00	1.28E+00	6.49E-02	1.11E+01	2.07E-01	1.20E-04	1.28E-01	1.27E-02	3.48E-01
2002	494711.06	3859451.99	1.58E-01	9.72E-05	1.33E-01	1.30E-02	3.04E-01	2.08E-01	9.32E+00	1.33E+00	6.64E-02	1.09E+01	2.02E-01	1.18E-04	1.33E-01	1.30E-02	3.48E-01
2003	494761.06	3859451.99	1.54E-01	9.55E-05	1.36E-01	1.32E-02	3.04E-01	2.04E-01	9.16E+00	1.36E+00	6.75E-02	1.08E+01	1.98E-01	1.16E-04	1.36E-01	1.32E-02	3.48E-01
2004	494811.06	3859451.99	1.50E-01	9.29E-05	1.42E-01	1.34E-02	3.05E-01	1.98E-01	8.90E+00	1.42E+00	6.84E-02	1.06E+01	1.92E-01	1.12E-04	1.42E-01	1.34E-02	3.47E-01
2005	494861.06	3859451.99	1.45E-01	9.07E-05	1.45E-01	1.35E-02	3.04E-01	1.92E-01	8.70E+00	1.45E+00	6.88E-02	1.04E+01	1.86E-01	1.10E-04	1.45E-01	1.35E-02	3.45E-01
2006	494911.06	3859451.99	1.42E-01	8.92E-05	1.46E-01	1.35E-02	3.02E-01	1.87E-01	8.55E+00	1.46E+00	6.90E-02	1.03E+01	1.82E-01	1.08E-04	1.46E-01	1.35E-02	3.42E-01
2007	494961.06	3859451.99	1.39E-01	8.84E-05	1.46E-01	1.36E-02	2.99E-01	1.84E-01	8.47E+00	1.46E+00	6.94E-02	1.02E+01	1.79E-01	1.07E-04	1.46E-01	1.36E-02	3.38E-01
2008	495011.06	3859451.99	1.37E-01	8.72E-05	1.46E-01	1.36E-02	2.97E-01	1.82E-01	8.37E+00	1.46E+00	6.95E-02	1.01E+01	1.76E-01	1.06E-04	1.46E-01	1.36E-02	3.36E-01
2009	495061.06	3859451.99	1.36E-01	8.62E-05	1.45E-01	1.36E-02	2.94E-01	1.79E-01	8.26E+00	1.45E+00	6.95E-02	9.96E+00	1.74E-01	1.04E-04	1.45E-01	1.36E-02	3.33E-01

2010	495111.06	3859451.99	1.34E-01	8.50E-05	1.44E-01	1.36E-02	2.92E-01	1.77E-01	8.15E+00	1.44E+00	6.93E-02	9.84E+00	1.72E-01	1.03E-04	1.44E-01	1.36E-02	3.29E-01
2011	495161.06	3859451.99	1.33E-01	8.45E-05	1.43E-01	1.36E-02	2.89E-01	1.76E-01	8.11E+00	1.43E+00	6.96E-02	9.78E+00	1.70E-01	1.02E-04	1.43E-01	1.36E-02	3.27E-01
2012	495211.06	3859451.99	1.32E-01	8.42E-05	1.40E-01	1.37E-02	2.87E-01	1.75E-01	8.08E+00	1.40E+00	7.00E-02	9.73E+00	1.70E-01	1.02E-04	1.40E-01	1.37E-02	3.24E-01
2013	495261.06	3859451.99	1.32E-01	8.39E-05	1.38E-01	1.37E-02	2.84E-01	1.74E-01	8.04E+00	1.38E+00	7.02E-02	9.67E+00	1.69E-01	1.02E-04	1.38E-01	1.37E-02	3.21E-01
2014	495311.06	3859451.99	1.30E-01	8.30E-05	1.37E-01	1.37E-02	2.81E-01	1.72E-01	7.96E+00	1.37E+00	7.00E-02	9.57E+00	1.67E-01	1.01E-04	1.37E-01	1.37E-02	3.18E-01
2015	495361.06	3859451.99	1.29E-01	8.23E-05	1.35E-01	1.37E-02	2.78E-01	1.71E-01	7.89E+00	1.35E+00	6.99E-02	9.48E+00	1.66E-01	9.97E-05	1.35E-01	1.37E-02	3.14E-01
2016	495411.06	3859451.99	1.28E-01	8.14E-05	1.33E-01	1.36E-02	2.75E-01	1.69E-01	7.80E+00	1.33E+00	6.96E-02	9.37E+00	1.64E-01	9.86E-05	1.33E-01	1.36E-02	3.11E-01
2017	495461.06	3859451.99	1.27E-01	8.07E-05	1.31E-01	1.36E-02	2.71E-01	1.67E-01	7.74E+00	1.31E+00	6.93E-02	9.28E+00	1.62E-01	9.77E-05	1.31E-01	1.36E-02	3.07E-01
2018	495511.06	3859451.99	1.24E-01	7.90E-05	1.29E-01	1.33E-02	2.66E-01	1.64E-01	7.57E+00	1.29E+00	6.78E-02	9.10E+00	1.59E-01	9.57E-05	1.29E-01	1.33E-02	3.01E-01
2019	495561.06	3859451.99	1.22E-01	7.79E-05	1.27E-01	1.31E-02	2.62E-01	1.61E-01	7.47E+00	1.27E+00	6.69E-02	8.97E+00	1.57E-01	9.44E-05	1.27E-01	1.31E-02	2.97E-01
2020	495611.06	3859451.99	1.21E-01	7.70E-05	1.24E-01	1.29E-02	2.58E-01	1.59E-01	7.38E+00	1.24E+00	6.60E-02	8.85E+00	1.55E-01	9.32E-05	1.24E-01	1.29E-02	2.92E-01
2021	495661.06	3859451.99	1.19E-01	7.60E-05	1.22E-01	1.27E-02	2.53E-01	1.57E-01	7.29E+00	1.22E+00	6.50E-02	8.73E+00	1.53E-01	9.21E-05	1.22E-01	1.27E-02	2.87E-01
2022	494311.06	3859501.99	2.00E-01	1.44E-04	7.48E-02	1.09E-02	2.86E-01	2.64E-01	1.38E+01	7.48E-01	5.56E-02	1.48E+01	2.57E-01	1.74E-04	7.48E-02	1.09E-02	3.42E-01
2023	494361.06	3859501.99	1.97E-01	1.41E-04	8.22E-02	1.12E-02	2.90E-01	2.60E-01	1.35E+01	8.22E-01	5.71E-02	1.47E+01	2.52E-01	1.71E-04	8.22E-02	1.12E-02	3.45E-01
2024	494411.06	3859501.99	1.92E-01	1.36E-04	9.69E-02	1.16E-02	3.00E-01	2.53E-01	1.31E+01	9.69E-01	5.95E-02	1.43E+01	2.46E-01	1.65E-04	9.69E-02	1.16E-02	3.54E-01
2025	494461.06	3859501.99	1.89E-01	1.36E-04	9.51E-02	1.15E-02	2.96E-01	2.49E-01	1.31E+01	9.51E-01	5.89E-02	1.43E+01	2.42E-01	1.65E-04	9.51E-02	1.15E-02	3.49E-01
2026	494511.06	3859501.99	1.84E-01	1.05E-04	1.02E-01	1.17E-02	2.98E-01	2.44E-01	1.01E+01	1.02E+00	5.96E-02	1.14E+01	2.37E-01	1.27E-04	1.02E-01	1.17E-02	3.50E-01
2027	494561.06	3859501.99	1.80E-01	1.03E-04	1.08E-01	1.17E-02	3.00E-01	2.38E-01	9.88E+00	1.08E+00	5.98E-02	1.13E+01	2.31E-01	1.25E-04	1.08E-01	1.17E-02	3.51E-01
2028	494611.06	3859501.99	1.77E-01	1.04E-04	1.05E-01	1.16E-02	2.94E-01	2.34E-01	1.00E+01	1.05E+00	5.94E-02	1.14E+01	2.27E-01	1.26E-04	1.05E-01	1.16E-02	3.44E-01
2029	494661.06	3859501.99	1.72E-01	1.01E-04	1.13E-01	1.18E-02	2.97E-01	2.27E-01	9.66E+00	1.13E+00	6.01E-02	1.11E+01	2.20E-01	1.22E-04	1.13E-01	1.18E-02	3.45E-01
2030	494711.06	3859501.99	1.66E-01	9.77E-05	1.22E-01	1.22E-02	3.01E-01	2.19E-01	9.37E+00	1.22E+00	6.26E-02	1.09E+01	2.13E-01	1.18E-04	1.22E-01	1.22E-02	3.47E-01
2031	494761.06	3859501.99	1.62E-01	9.73E-05	1.22E-01	1.22E-02	2.96E-01	2.14E-01	9.33E+00	1.22E+00	6.26E-02	1.08E+01	2.08E-01	1.18E-04	1.22E-01	1.22E-02	3.42E-01
2032	494811.06	3859501.99	1.56E-01	9.35E-05	1.33E-01	1.27E-02	3.02E-01	2.06E-01	8.97E+00	1.33E+00	6.49E-02	1.06E+01	2.00E-01	1.13E-04	1.33E-01	1.27E-02	3.46E-01
2033	494861.06	3859501.99	1.53E-01	9.21E-05	1.36E-01	1.29E-02	3.01E-01	2.02E-01	8.83E+00	1.36E+00	6.57E-02	1.05E+01	1.96E-01	1.12E-04	1.36E-01	1.29E-02	3.45E-01
2034	494911.06	3859501.99	1.51E-01	9.13E-05	1.36E-01	1.30E-02	3.00E-01	1.99E-01	8.76E+00	1.36E+00	6.65E-02	1.04E+01	1.93E-01	1.11E-04	1.36E-01	1.30E-02	3.42E-01
2035	494961.06	3859501.99	1.47E-01	8.95E-05	1.39E-01	1.32E-02	3.00E-01	1.94E-01	8.59E+00	1.39E+00	6.72E-02	1.02E+01	1.88E-01	1.08E-04	1.39E-01	1.32E-02	3.41E-01
2036	495011.06	3859501.99	1.44E-01	8.88E-05	1.39E-01	1.33E-02	2.97E-01	1.91E-01	8.51E+00	1.39E+00	6.78E-02	1.02E+01	1.85E-01	1.08E-04	1.39E-01	1.33E-02	3.38E-01
2037	495061.06	3859501.99	1.42E-01	8.80E-05	1.39E-01	1.34E-02	2.95E-01	1.87E-01	8.44E+00	1.39E+00	6.84E-02	1.01E+01	1.82E-01	1.07E-04	1.39E-01	1.34E-02	3.35E-01
2038	495111.06	3859501.99	1.39E-01	8.64E-05	1.41E-01	1.34E-02	2.93E-01	1.83E-01	8.29E+00	1.41E+00	6.87E-02	9.95E+00	1.78E-01	1.05E-04	1.41E-01	1.34E-02	3.33E-01
2039	495161.06	3859501.99	1.38E-01	8.58E-05	1.40E-01	1.35E-02	2.92E-01	1.82E-01	8.22E+00	1.40E+00	6.91E-02	9.88E+00	1.77E-01	1.04E-04	1.40E-01	1.35E-02	3.31E-01
2040	495211.06	3859501.99	1.37E-01	8.55E-05	1.39E-01	1.36E-02	2.90E-01	1.81E-01	8.20E+00	1.39E+00	6.96E-02	9.84E+00	1.76E-01	1.04E-04	1.39E-01	1.36E-02	3.28E-01
2041	495261.06	3859501.99	1.36E-01	8.48E-05	1.38E-01	1.37E-02	2.88E-01	1.80E-01	8.13E+00	1.38E+00	6.99E-02	9.76E+00	1.75E-01	1.03E-04	1.38E-01	1.37E-02	3.26E-01
2042	495311.06	3859501.99	1.35E-01	8.43E-05	1.36E-01	1.37E-02	2.85E-01	1.79E-01	8.08E+00	1.36E+00	7.02E-02	9.70E+00	1.74E-01	1.02E-04	1.36E-01	1.37E-02	3.24E-01
2043	495361.06	3859501.99	1.34E-01	8.35E-05	1.35E-01	1.38E-02	2.83E-01	1.77E-01	8.01E+00	1.35E+00	7.03E-02	9.61E+00	1.72E-01	1.01E-04	1.35E-01	1.38E-02	3.21E-01
2044	495411.06	3859501.99	1.33E-01	9.21E-05	1.34E-01	1.38E-02	2.81E-01	1.76E-01	8.83E+00	1.34E+00	7.04E-02	1.04E+01	1.70E-01	1.12E-04	1.34E-01	1.38E-02	3.19E-01
2045	495461.06	3859501.99	1.32E-01	8.17E-05	1.34E-01	1.38E-02	2.79E-01	1.74E-01	7.84E+00	1.34E+00	7.04E-02	9.42E+00	1.69E-01	9.90E-05	1.34E-01	1.38E-02	3.16E-01
2046	495511.06	3859501.99	1.29E-01	7.95E-05	1.35E-01	1.38E-02	2.77E-01	1.70E-01	7.62E+00	1.35E+00	7.06E-02	9.21E+00	1.65E-01	9.63E-05	1.35E-01	1.38E-02	3.13E-01
2047	495561.06	3859501.99	1.28E-01	7.93E-05	1.32E-01	1.36E-02	2.74E-01	1.69E-01	7.60E+00	1.32E+00	6.95E-02	9.16E+00	1.64E-01	9.60E-05	1.32E-01	1.36E-02	3.10E-01
2048	495611.06	3859501.99	1.26E-01	7.82E-05	1.31E-01	1.35E-02	2.71E-01	1.66E-01	7.50E+00	1.31E+00	6.89E-02	9.04E+00	1.62E-01	9.47E-05	1.31E-01	1.35E-02	3.06E-01
2049	495661.06	3859501.99	1.24E-01	7.70E-05	1.30E-01	1.33E-02	2.67E-01	1.64E-01	7.38E+00	1.30E+00	6.81E-02	8.91E+00	1.59E-01	9.33E-05	1.30E-01	1.33E-02	3.02E-01
2050	494311.06	3859551.99	2.05E-01	1.44E-04	6.92E-02	1.06E-02	2.85E-01	2.71E-01	1.38E+01	6.92E-01	5.41E-02	1.49E+01	2.63E-01	1.75E-04	6.92E-02	1.06E-02	3.43E-01
2051	494361.06	3859551.99	2.02E-01	1.41E-04	7.46E-02	1.11E-02	2.88E-01	2.67E-01	1.35E+01	7.46E-01	5.69E-02	1.46E+01	2.59E-01	1.71E-04	7.46E-02	1.11E-02	3.45E-01
2052	494411.06	3859551.99	1.98E-01	1.36E-04	8.70E-02	1.18E-02	2.97E-01	2.61E-01	1.30E+01	8.70E-01	6.01E-02	1.42E+01	2.53E-01	1.65E-04	8.70E-02	1.18E-02	3.52E-01
2053	494461.06	3859551.99	1.96E-01	1.37E-04	8.04E-02	1.15E-02	2.88E-01	2.58E-01	1.31E+01	8.04E-01	5.87E-02	1.43E+01	2.51E-01	1.66E-04	8.04E-02	1.15E-02	3.43E-01
2054	494511.06	3859551.99	1.92E-01	1.35E-04	8.53E-02	1.17E-02	2.89E-01	2.54E-01	1.29E+01	8.53E-01	5.97E-02	1.41E+01	2.46E-01	1.63E-04	8.53E-02	1.17E-02	3.43E-01
2055	494561.06	3859551.99	1.88E-01	1.33E-04	9.00E-02	1.18E-02	2.90E-01	2.49E-01	1.28E+01	9.00E-01	6.02E-02	1.40E+01	2.42E-01	1.61E-04	9.00E-02	1.18E-02	3.44E-01
2056	494611.06	3859551.99	1.85E-01	1.32E-04	9.18E-02	1.18E-02	2.89E-01	2.45E-01	1.27E+01	9.18E-01	6.02E-02	1.39E+01	2.37E-01	1.60E-04	9.18E-02	1.18E-02	3.41E-01
2057	494661.06	3859551.99	1.81E-01	1.31E-04	9.54E-02	1.18E-02	2.89E-01	2.39E-01	1.26E+01	9.54E-01	6.04E-02	1.38E+01	2.32E-01	1.59E-04	9.54E-02	1.18E-02	3.40E-01
2058	494711.06	3859551.99	1.75E-01	9.72E-05	1.11E-01	1.20E-02	2.98E-01	2.31E-01	9.32E+00	1.11E+00	6.12E-02	1.07E+01	2.24E-01	1.18E-04	1.11E-01	1.20E-02	3.47E-01
2059	494761.06	3859551.99	1.72E-01	9.99E-05	1.06E-01	1.19E-02	2.91E-01	2.28E-01	9.58E+00	1.06E+00	6.09E-02	1.09E+01	2.21E-01	1.21E-04	1.06E-01	1.19E-02	3.39E-01
2060	494811.06	3859551.99	1.67E-01	9.50E-05	1.16E-01	1.20E-02	2.95E-01	2.20E-01	9.11E+00	1.16E+00	6.12E-02	1.06E+01	2.14E-01	1.15E-04	1.16E-01	1.20E-02	3.42E-01
2061	494861.06	3859551.99	1.62E-01	9.36E-05	1.20E-01	1.21E-02	2.94E-01	2.14E-01	8.98E+00	1.20E+00	6.21E-02	1.04E+01	2.08E-01	1.13E-04	1.20E-01	1.21E-02	3.40E-01
2062	494911.06	3859551.99	1.57E-01	9.19E-05	1.24E-01	1.23E-02	2.93E-01	2.07E-01	8.82E+00	1.24E+00	6.31E-02	1.03E+01	2.01E-01	1.11E-04	1.24E-01	1.23E-02	3.37E-01
2063	494961.06	3859551.99	1.55E-01	9.12E-05	1.25E-01	1.24E-02	2.92E-01	2.04E-01	8.74E+00	1.25E+00	6.33E-02	1.03E+01	1.98E-01	1.10E-04	1.25E-01	1.24E-02	3.36E-01
2064	495011.06	3859551.99	1.53E-01	9.07E-05	1.25E-01	1.25E-02	2.91E-01	2.02E-01	8.70E+00	1.25E+00	6.39E-02	1.02E+01	1.96E-01	1.10E-04	1.25E-01	1.25E-02	3.34E-01
2065	495061.06	3859551.99	1.50E-01	8.94E-05	1.27E-01	1.27E-02	2.90E-01	1.98E-01	8.58E+00	1.27E+00	6.48E-02	1.01E+01	1.92E-01	1.08E-04	1.27E-01	1.27E-02	3.32E-01
2066	495111.06	3859551.99	1.47E-01	8.79E-05	1.31E-01	1.29E-02	2.90E-01	1.94E-01	8.43E+00	1.31E+00	6.58E-02	1.00E+01	1.88E-01	1.06E-04	1.31E-01	1.29E-02	3.32E-01
2067	495161.06	3859551.99	1.44E-01	8.75E-05	1.30E-01	1.30E-02	2.88E-01	1.91E-01	8.40E+00	1.30E+00	6.64E-02	9.96E+00	1.85E-01	1.06E-04	1.30E-01	1.30E-02	3.28E-01
2068	495211.06	3859551.99	1.42E-01	8.82E-05	1.29E-01	1.31E-02	2.84E-01	1.88E-01	8.46E+00	1.29E+00	6.69E-02	1.00E+01	1.82E-01	1.07E-04	1.29E-01	1.31E-02	3.25E-01
2069	495261.06	3859551.99	1.40E-01	8.68E-05	1.31E-01	1.32E-02	2.84E-01	1.85E-01	8.33E+00	1.31E+00	6.76E-02	9.89E+00	1.80E-01	1.05E-04	1.31E-01	1.32E-02	3.23E-01
2070	495311.06	3859551.99	1.39E-01	8.61E-05	1.31E-01	1.33E-02	2.83E-01	1.83E-01	8.25E+00	1.31E+00	6.81E-02	9.82E+00	1.78E-01	1.04E-04	1.31E-01	1.33E-02	3.23E-01

2071	495361.06	3859551.99	1.38E-01	8.57E-05	1.31E-01	1.34E-02	2.82E-01	1.82E-01	8.22E+00	1.31E+00	6.86E-02	9.78E+00	1.77E-01	1.04E-04	1.31E-01	1.34E-02	3.21E-01
2072	495411.06	3859551.99	1.37E-01	8.58E-05	1.30E-01	1.35E-02	2.80E-01	1.81E-01	8.23E+00	1.30E+00	6.89E-02	9.78E+00	1.76E-01	1.04E-04	1.30E-01	1.35E-02	3.19E-01
2073	495461.06	3859551.99	1.35E-01	8.36E-05	1.32E-01	1.36E-02	2.80E-01	1.79E-01	8.02E+00	1.32E+00	6.93E-02	9.59E+00	1.73E-01	1.01E-04	1.32E-01	1.36E-02	3.19E-01
2074	495511.06	3859551.99	1.33E-01	8.13E-05	1.33E-01	1.36E-02	2.80E-01	1.76E-01	7.80E+00	1.33E+00	6.94E-02	9.38E+00	1.71E-01	9.85E-05	1.33E-01	1.36E-02	3.17E-01
2075	495561.06	3859551.99	1.32E-01	8.05E-05	1.33E-01	1.36E-02	2.78E-01	1.74E-01	7.72E+00	1.33E+00	6.95E-02	9.29E+00	1.69E-01	9.75E-05	1.33E-01	1.36E-02	3.15E-01
2076	495611.06	3859551.99	1.30E-01	7.95E-05	1.32E-01	1.36E-02	2.76E-01	1.72E-01	7.63E+00	1.32E+00	6.95E-02	9.19E+00	1.67E-01	9.63E-05	1.32E-01	1.36E-02	3.13E-01
2077	495661.06	3859551.99	1.29E-01	7.82E-05	1.32E-01	1.36E-02	2.74E-01	1.70E-01	7.50E+00	1.32E+00	6.93E-02	9.06E+00	1.65E-01	9.47E-05	1.32E-01	1.36E-02	3.11E-01
2078	494311.06	3859601.99	2.08E-01	1.46E-04	6.20E-02	1.00E-02	2.80E-01	2.75E-01	1.40E+01	6.20E-01	5.13E-02	1.49E+01	2.67E-01	1.76E-04	6.20E-02	1.00E-02	3.39E-01
2079	494361.06	3859601.99	2.06E-01	1.40E-04	7.59E-02	1.12E-02	2.93E-01	2.72E-01	1.34E+01	7.59E-01	5.70E-02	1.45E+01	2.64E-01	1.70E-04	7.59E-02	1.12E-02	3.51E-01
2080	494411.06	3859601.99	2.03E-01	1.37E-04	8.28E-02	1.16E-02	2.97E-01	2.68E-01	1.32E+01	8.28E-01	5.91E-02	1.43E+01	2.60E-01	1.66E-04	8.28E-02	1.16E-02	3.55E-01
2081	494461.06	3859601.99	2.01E-01	1.38E-04	7.64E-02	1.13E-02	2.89E-01	2.66E-01	1.32E+01	7.64E-01	5.76E-02	1.43E+01	2.58E-01	1.67E-04	7.64E-02	1.13E-02	3.46E-01
2082	494511.06	3859601.99	1.98E-01	1.35E-04	8.40E-02	1.18E-02	2.94E-01	2.61E-01	1.29E+01	8.40E-01	6.00E-02	1.41E+01	2.53E-01	1.63E-04	8.40E-02	1.18E-02	3.49E-01
2083	494561.06	3859601.99	1.95E-01	1.35E-04	7.94E-02	1.16E-02	2.86E-01	2.58E-01	1.29E+01	7.94E-01	5.92E-02	1.40E+01	2.50E-01	1.63E-04	7.94E-02	1.16E-02	3.42E-01
2084	494611.06	3859601.99	1.92E-01	1.34E-04	7.75E-02	1.16E-02	2.82E-01	2.54E-01	1.28E+01	7.75E-01	5.91E-02	1.39E+01	2.47E-01	1.62E-04	7.75E-02	1.16E-02	3.36E-01
2085	494661.06	3859601.99	1.88E-01	1.30E-04	8.46E-02	1.20E-02	2.85E-01	2.49E-01	1.25E+01	8.46E-01	6.16E-02	1.36E+01	2.41E-01	1.58E-04	8.46E-02	1.20E-02	3.38E-01
2086	494711.06	3859601.99	1.84E-01	1.00E-04	9.28E-02	1.22E-02	2.89E-01	2.43E-01	9.60E+00	9.28E-01	6.24E-02	1.08E+01	2.36E-01	1.21E-04	9.28E-02	1.22E-02	3.41E-01
2087	494761.06	3859601.99	1.82E-01	1.29E-04	8.54E-02	1.19E-02	2.79E-01	2.40E-01	1.24E+01	8.54E-01	6.10E-02	1.35E+01	2.33E-01	1.56E-04	8.54E-02	1.19E-02	3.31E-01
2088	494811.06	3859601.99	1.77E-01	9.96E-05	9.65E-02	1.22E-02	2.86E-01	2.34E-01	9.55E+00	9.65E-01	6.22E-02	1.08E+01	2.27E-01	1.21E-04	9.65E-02	1.22E-02	3.36E-01
2089	494861.06	3859601.99	1.73E-01	9.84E-05	9.97E-02	1.22E-02	2.85E-01	2.28E-01	9.44E+00	9.97E-01	6.23E-02	1.07E+01	2.22E-01	1.19E-04	9.97E-02	1.22E-02	3.34E-01
2090	494911.06	3859601.99	1.68E-01	9.47E-05	1.07E-01	1.22E-02	2.87E-01	2.22E-01	9.09E+00	1.07E+00	6.24E-02	1.04E+01	2.15E-01	1.15E-04	1.07E-01	1.22E-02	3.35E-01
2091	494961.06	3859601.99	1.64E-01	9.71E-05	1.04E-01	1.22E-02	2.81E-01	2.17E-01	9.31E+00	1.04E+00	6.21E-02	1.06E+01	2.11E-01	1.18E-04	1.04E-01	1.22E-02	3.27E-01
2092	495011.06	3859601.99	1.59E-01	9.30E-05	1.12E-01	1.21E-02	2.83E-01	2.10E-01	8.92E+00	1.12E+00	6.20E-02	1.03E+01	2.04E-01	1.13E-04	1.12E-01	1.21E-02	3.28E-01
2093	495061.06	3859601.99	1.57E-01	9.40E-05	1.11E-01	1.21E-02	2.80E-01	2.07E-01	9.01E+00	1.11E+00	6.19E-02	1.04E+01	2.01E-01	1.14E-04	1.11E-01	1.21E-02	3.24E-01
2094	495111.06	3859601.99	1.54E-01	9.16E-05	1.16E-01	1.21E-02	2.82E-01	2.03E-01	8.78E+00	1.16E+00	6.16E-02	1.02E+01	1.97E-01	1.11E-04	1.16E-01	1.21E-02	3.25E-01
2095	495161.06	3859601.99	1.52E-01	9.19E-05	1.16E-01	1.21E-02	2.80E-01	2.00E-01	8.81E+00	1.16E+00	6.18E-02	1.02E+01	1.94E-01	1.11E-04	1.16E-01	1.21E-02	3.23E-01
2096	495211.06	3859601.99	1.49E-01	9.13E-05	1.17E-01	1.23E-02	2.79E-01	1.97E-01	8.75E+00	1.17E+00	6.27E-02	1.02E+01	1.91E-01	1.11E-04	1.17E-01	1.23E-02	3.21E-01
2097	495261.06	3859601.99	1.47E-01	9.11E-05	1.18E-01	1.24E-02	2.77E-01	1.94E-01	8.74E+00	1.18E+00	6.34E-02	1.02E+01	1.88E-01	1.10E-04	1.18E-01	1.24E-02	3.19E-01
2098	495311.06	3859601.99	1.44E-01	9.12E-05	1.18E-01	1.25E-02	2.75E-01	1.91E-01	8.74E+00	1.18E+00	6.40E-02	1.02E+01	1.85E-01	1.10E-04	1.18E-01	1.25E-02	3.16E-01
2099	495361.06	3859601.99	1.42E-01	9.02E-05	1.19E-01	1.27E-02	2.74E-01	1.87E-01	8.65E+00	1.19E+00	6.49E-02	1.01E+01	1.81E-01	1.09E-04	1.19E-01	1.27E-02	3.14E-01
2100	495411.06	3859601.99	1.40E-01	9.01E-05	1.19E-01	1.28E-02	2.73E-01	1.85E-01	8.64E+00	1.19E+00	6.54E-02	1.01E+01	1.80E-01	1.09E-04	1.19E-01	1.28E-02	3.12E-01
2101	495461.06	3859601.99	1.38E-01	8.69E-05	1.24E-01	1.30E-02	2.76E-01	1.83E-01	8.34E+00	1.24E+00	6.67E-02	9.83E+00	1.77E-01	1.05E-04	1.24E-01	1.30E-02	3.15E-01
2102	495511.06	3859601.99	1.36E-01	8.43E-05	1.28E-01	1.32E-02	2.77E-01	1.80E-01	8.09E+00	1.28E+00	6.74E-02	9.61E+00	1.75E-01	1.02E-04	1.28E-01	1.32E-02	3.16E-01
2103	495561.06	3859601.99	1.36E-01	8.49E-05	1.26E-01	1.33E-02	2.75E-01	1.79E-01	8.14E+00	1.26E+00	6.78E-02	9.65E+00	1.74E-01	1.03E-04	1.26E-01	1.33E-02	3.14E-01
2104	495611.06	3859601.99	1.33E-01	8.17E-05	1.30E-01	1.34E-02	2.77E-01	1.76E-01	7.84E+00	1.30E+00	6.83E-02	9.38E+00	1.71E-01	9.90E-05	1.30E-01	1.34E-02	3.14E-01
2105	495661.06	3859601.99	1.33E-01	8.15E-05	1.29E-01	1.34E-02	2.75E-01	1.75E-01	7.82E+00	1.29E+00	6.85E-02	9.35E+00	1.70E-01	9.87E-05	1.29E-01	1.34E-02	3.13E-01
2106	494311.06	3859651.99	2.09E-01	1.45E-04	5.88E-02	9.90E-03	2.78E-01	2.76E-01	1.39E+01	5.88E-01	5.06E-02	1.48E+01	2.68E-01	1.76E-04	5.88E-02	9.90E-03	3.37E-01
2107	494361.06	3859651.99	2.08E-01	1.40E-04	7.22E-02	1.10E-02	2.91E-01	2.75E-01	1.34E+01	7.22E-01	5.63E-02	1.45E+01	2.67E-01	1.70E-04	7.22E-02	1.10E-02	3.50E-01
2108	494411.06	3859651.99	2.06E-01	1.38E-04	7.44E-02	1.12E-02	2.92E-01	2.72E-01	1.33E+01	7.44E-01	5.73E-02	1.44E+01	2.64E-01	1.68E-04	7.44E-02	1.12E-02	3.50E-01
2109	494461.06	3859651.99	2.05E-01	1.39E-04	6.90E-02	1.09E-02	2.85E-01	2.70E-01	1.33E+01	6.90E-01	5.56E-02	1.43E+01	2.62E-01	1.68E-04	6.90E-02	1.09E-02	3.43E-01
2110	494511.06	3859651.99	2.03E-01	1.37E-04	7.19E-02	1.11E-02	2.86E-01	2.68E-01	1.31E+01	7.19E-01	5.69E-02	1.42E+01	2.60E-01	1.66E-04	7.19E-02	1.11E-02	3.43E-01
2111	494561.06	3859651.99	2.00E-01	1.36E-04	7.17E-02	1.12E-02	2.83E-01	2.65E-01	1.30E+01	7.17E-01	5.72E-02	1.41E+01	2.57E-01	1.65E-04	7.17E-02	1.12E-02	3.40E-01
2112	494611.06	3859651.99	1.98E-01	1.35E-04	7.20E-02	1.13E-02	2.81E-01	2.61E-01	1.29E+01	7.20E-01	5.76E-02	1.40E+01	2.54E-01	1.63E-04	7.20E-02	1.13E-02	3.37E-01
2113	494661.06	3859651.99	1.94E-01	1.31E-04	8.19E-02	1.20E-02	2.89E-01	2.57E-01	1.25E+01	8.19E-01	6.15E-02	1.37E+01	2.49E-01	1.58E-04	8.19E-02	1.20E-02	3.43E-01
2114	494711.06	3859651.99	1.92E-01	1.30E-04	8.13E-02	1.21E-02	2.85E-01	2.53E-01	1.25E+01	8.13E-01	6.16E-02	1.36E+01	2.46E-01	1.57E-04	8.13E-02	1.21E-02	3.39E-01
2115	494761.06	3859651.99	1.89E-01	1.29E-04	8.00E-02	1.20E-02	2.81E-01	2.49E-01	1.24E+01	8.00E-01	6.11E-02	1.35E+01	2.42E-01	1.57E-04	8.00E-02	1.20E-02	3.34E-01
2116	494811.06	3859651.99	1.85E-01	1.27E-04	8.37E-02	1.22E-02	2.81E-01	2.44E-01	1.22E+01	8.37E-01	6.23E-02	1.34E+01	2.37E-01	1.54E-04	8.37E-02	1.22E-02	3.33E-01
2117	494861.06	3859651.99	1.82E-01	1.26E-04	8.26E-02	1.22E-02	2.77E-01	2.40E-01	1.21E+01	8.26E-01	6.24E-02	1.33E+01	2.33E-01	1.53E-04	8.26E-02	1.22E-02	3.28E-01
2118	494911.06	3859651.99	1.78E-01	1.25E-04	8.39E-02	1.23E-02	2.74E-01	2.35E-01	1.20E+01	8.39E-01	6.28E-02	1.31E+01	2.28E-01	1.52E-04	8.39E-02	1.23E-02	3.24E-01
2119	494961.06	3859651.99	1.74E-01	1.24E-04	8.67E-02	1.23E-02	2.73E-01	2.30E-01	1.19E+01	8.67E-01	6.29E-02	1.31E+01	2.23E-01	1.50E-04	8.67E-02	1.23E-02	3.22E-01
2120	495011.06	3859651.99	1.70E-01	9.87E-05	9.03E-02	1.24E-02	2.73E-01	2.25E-01	9.46E+00	9.03E-01	6.31E-02	1.07E+01	2.18E-01	1.20E-04	9.03E-02	1.24E-02	3.21E-01
2121	495061.06	3859651.99	1.66E-01	9.85E-05	9.18E-02	1.23E-02	2.70E-01	2.19E-01	9.45E+00	9.18E-01	6.30E-02	1.06E+01	2.13E-01	1.19E-04	9.18E-02	1.23E-02	3.17E-01
2122	495111.06	3859651.99	1.61E-01	9.67E-05	9.61E-02	1.24E-02	2.70E-01	2.13E-01	9.27E+00	9.61E-01	6.32E-02	1.05E+01	2.07E-01	1.17E-04	9.61E-02	1.24E-02	3.15E-01
2123	495161.06	3859651.99	1.58E-01	9.59E-05	9.84E-02	1.24E-02	2.68E-01	2.08E-01	9.20E+00	9.84E-01	6.32E-02	1.05E+01	2.02E-01	1.16E-04	9.84E-02	1.24E-02	3.13E-01
2124	495211.06	3859651.99	1.56E-01	9.57E-05	9.95E-02	1.23E-02	2.68E-01	2.06E-01	9.18E+00	9.95E-01	6.31E-02	1.04E+01	2.00E-01	1.16E-04	9.95E-02	1.23E-02	3.11E-01
2125	495261.06	3859651.99	1.53E-01	9.48E-05	1.02E-01	1.23E-02	2.68E-01	2.02E-01	9.09E+00	1.02E+00	6.30E-02	1.04E+01	1.97E-01	1.15E-04	1.02E-01	1.23E-02	3.11E-01
2126	495311.06	3859651.99	1.51E-01	9.43E-05	1.03E-01	1.23E-02	2.67E-01	1.99E-01	9.04E+00	1.03E+00	6.29E-02	1.03E+01	1.94E-01	1.14E-04	1.03E-01	1.23E-02	3.09E-01
2127	495361.06	3859651.99	1.49E-01	9.40E-05	1.04E-01	1.23E-02	2.65E-01	1.96E-01	9.01E+00	1.04E+00	6.28E-02	1.03E+01	1.91E-01	1.14E-04	1.04E-01	1.23E-02	3.07E-01
2128	495411.06	3859651.99	1.46E-01	9.30E-05	1.06E-01	1.23E-02	2.65E-01	1.93E-01	8.92E+00	1.06E+00	6.27E-02	1.02E+01	1.87E-01	1.13E-04	1.06E-01	1.23E-02	3.06E-01
2129	495461.06	3859651.99	1.42E-01	9.00E-05	1.12E-01	1.22E-02	2.67E-01	1.88E-01	8.63E+00	1.12E+00	6.25E-02	1.00E+01	1.83E-01	1.09E-04	1.12E-01	1.22E-02	3.07E-01
2130	495511.06	3859651.99	1.39E-01	8.76E-05	1.16E-01	1.25E-02	2.68E-01	1.83E-01	8.41E+00	1.16E+00	6.38E-02	9.82E+00	1.78E-01	1.06E-04	1.16E-01	1.25E-02	3.07E-01
2131	495561.06	3859651.99	1.38E-01	8.73E-05	1.17E-01	1.26E-02	2.68E-01	1.82E-01	8.37E+00	1.17E+00	6.44E-02	9.79E+00	1.77E-01	1.06E-04	1.17E-01	1.26E-02	3.07E-01

2132	495611.06	3859651.99	1.37E-01	8.60E-05	1.19E-01	1.28E-02	2.69E-01	1.81E-01	8.25E+00	1.19E+00	6.52E-02	9.68E+00	1.75E-01	1.04E-04	1.19E-01	1.28E-02	3.07E-01
2133	495661.06	3859651.99	1.36E-01	8.47E-05	1.21E-01	1.29E-02	2.70E-01	1.79E-01	8.12E+00	1.21E+00	6.60E-02	9.58E+00	1.74E-01	1.03E-04	1.21E-01	1.29E-02	3.08E-01
2134	494311.06	3859701.99	2.09E-01	1.41E-04	6.58E-02	1.07E-02	2.85E-01	2.76E-01	1.36E+01	6.58E-01	5.46E-02	1.46E+01	2.68E-01	1.71E-04	6.58E-02	1.07E-02	3.44E-01
2135	494361.06	3859701.99	2.08E-01	1.40E-04	6.84E-02	1.10E-02	2.88E-01	2.75E-01	1.34E+01	6.84E-01	5.64E-02	1.44E+01	2.67E-01	1.69E-04	6.84E-02	1.10E-02	3.47E-01
2136	494411.06	3859701.99	2.07E-01	1.39E-04	6.78E-02	1.10E-02	2.86E-01	2.74E-01	1.33E+01	6.78E-01	5.62E-02	1.43E+01	2.66E-01	1.68E-04	6.78E-02	1.10E-02	3.45E-01
2137	494461.06	3859701.99	2.06E-01	1.40E-04	6.05E-02	1.04E-02	2.77E-01	2.72E-01	1.34E+01	6.05E-01	5.31E-02	1.43E+01	2.64E-01	1.69E-04	6.05E-02	1.04E-02	3.35E-01
2138	494511.06	3859701.99	2.05E-01	1.38E-04	6.25E-02	1.06E-02	2.78E-01	2.71E-01	1.33E+01	6.25E-01	5.41E-02	1.42E+01	2.63E-01	1.68E-04	6.25E-02	1.06E-02	3.36E-01
2139	494561.06	3859701.99	2.03E-01	1.37E-04	6.23E-02	1.06E-02	2.76E-01	2.69E-01	1.32E+01	6.23E-01	5.42E-02	1.41E+01	2.61E-01	1.66E-04	6.23E-02	1.06E-02	3.34E-01
2140	494611.06	3859701.99	2.02E-01	1.36E-04	6.26E-02	1.07E-02	2.75E-01	2.66E-01	1.31E+01	6.26E-01	5.46E-02	1.40E+01	2.58E-01	1.65E-04	6.26E-02	1.07E-02	3.32E-01
2141	494661.06	3859701.99	1.99E-01	1.32E-04	7.60E-02	1.18E-02	2.87E-01	2.63E-01	1.27E+01	7.60E-01	6.00E-02	1.38E+01	2.55E-01	1.60E-04	7.60E-02	1.18E-02	3.43E-01
2142	494711.06	3859701.99	1.97E-01	1.32E-04	7.26E-02	1.16E-02	2.81E-01	2.60E-01	1.27E+01	7.26E-01	5.91E-02	1.37E+01	2.53E-01	1.60E-04	7.26E-02	1.16E-02	3.37E-01
2143	494761.06	3859701.99	1.94E-01	1.30E-04	7.60E-02	1.19E-02	2.82E-01	2.57E-01	1.25E+01	7.60E-01	6.05E-02	1.36E+01	2.49E-01	1.58E-04	7.60E-02	1.19E-02	3.37E-01
2144	494811.06	3859701.99	1.91E-01	1.29E-04	7.95E-02	1.21E-02	2.83E-01	2.53E-01	1.23E+01	7.95E-01	6.19E-02	1.34E+01	2.45E-01	1.56E-04	7.95E-02	1.21E-02	3.37E-01
2145	494861.06	3859701.99	1.89E-01	1.29E-04	7.52E-02	1.19E-02	2.76E-01	2.49E-01	1.23E+01	7.52E-01	6.09E-02	1.34E+01	2.42E-01	1.56E-04	7.52E-02	1.19E-02	3.29E-01
2146	494911.06	3859701.99	1.86E-01	1.27E-04	7.69E-02	1.21E-02	2.75E-01	2.45E-01	1.22E+01	7.69E-01	6.18E-02	1.33E+01	2.38E-01	1.54E-04	7.69E-02	1.21E-02	3.27E-01
2147	494961.06	3859701.99	1.82E-01	1.26E-04	7.82E-02	1.22E-02	2.73E-01	2.41E-01	1.21E+01	7.82E-01	6.25E-02	1.32E+01	2.33E-01	1.53E-04	7.82E-02	1.22E-02	3.24E-01
2148	495011.06	3859701.99	1.79E-01	1.26E-04	7.65E-02	1.22E-02	2.68E-01	2.36E-01	1.20E+01	7.65E-01	6.24E-02	1.31E+01	2.29E-01	1.52E-04	7.65E-02	1.22E-02	3.18E-01
2149	495061.06	3859701.99	1.75E-01	1.25E-04	7.65E-02	1.23E-02	2.64E-01	2.31E-01	1.20E+01	7.65E-01	6.27E-02	1.30E+01	2.24E-01	1.51E-04	7.65E-02	1.23E-02	3.13E-01
2150	495111.06	3859701.99	1.71E-01	1.24E-04	7.65E-02	1.23E-02	2.60E-01	2.26E-01	1.19E+01	7.65E-01	6.31E-02	1.29E+01	2.19E-01	1.50E-04	7.65E-02	1.23E-02	3.08E-01
2151	495161.06	3859701.99	1.67E-01	1.23E-04	8.02E-02	1.24E-02	2.60E-01	2.21E-01	1.18E+01	8.02E-01	6.35E-02	1.28E+01	2.14E-01	1.49E-04	8.02E-02	1.24E-02	3.07E-01
2152	495211.06	3859701.99	1.63E-01	1.22E-04	8.42E-02	1.25E-02	2.60E-01	2.15E-01	1.17E+01	8.42E-01	6.39E-02	1.28E+01	2.09E-01	1.47E-04	8.42E-02	1.25E-02	3.05E-01
2153	495261.06	3859701.99	1.59E-01	1.21E-04	8.36E-02	1.24E-02	2.55E-01	2.09E-01	1.17E+01	8.36E-01	6.35E-02	1.28E+01	2.03E-01	1.47E-04	8.36E-02	1.24E-02	2.99E-01
2154	495311.06	3859701.99	1.56E-01	1.21E-04	8.71E-02	1.25E-02	2.56E-01	2.06E-01	1.16E+01	8.71E-01	6.38E-02	1.27E+01	2.00E-01	1.46E-04	8.71E-02	1.25E-02	3.00E-01
2155	495361.06	3859701.99	1.54E-01	9.55E-05	9.00E-02	1.25E-02	2.57E-01	2.03E-01	9.16E+00	9.00E-01	6.39E-02	1.03E+01	1.97E-01	1.16E-04	9.00E-02	1.25E-02	3.00E-01
2156	495411.06	3859701.99	1.51E-01	9.33E-05	9.49E-02	1.26E-02	2.59E-01	2.00E-01	8.95E+00	9.49E-01	6.43E-02	1.02E+01	1.94E-01	1.13E-04	9.49E-02	1.26E-02	3.02E-01
2157	495461.06	3859701.99	1.49E-01	9.19E-05	9.81E-02	1.26E-02	2.59E-01	1.96E-01	8.81E+00	9.81E-01	6.43E-02	1.01E+01	1.91E-01	1.11E-04	9.81E-02	1.26E-02	3.01E-01
2158	495511.06	3859701.99	1.45E-01	8.89E-05	1.06E-01	1.26E-02	2.63E-01	1.92E-01	8.52E+00	1.06E+00	6.44E-02	9.84E+00	1.86E-01	1.08E-04	1.06E-01	1.26E-02	3.04E-01
2159	495561.06	3859701.99	1.43E-01	9.05E-05	1.04E-01	1.26E-02	2.59E-01	1.89E-01	8.68E+00	1.04E+00	6.42E-02	9.97E+00	1.84E-01	1.10E-04	1.04E-01	1.26E-02	3.00E-01
2160	495611.06	3859701.99	1.40E-01	8.98E-05	1.06E-01	1.25E-02	2.59E-01	1.85E-01	8.62E+00	1.06E+00	6.40E-02	9.93E+00	1.80E-01	1.09E-04	1.06E-01	1.25E-02	2.99E-01
2161	495661.06	3859701.99	1.38E-01	8.89E-05	1.09E-01	1.25E-02	2.59E-01	1.82E-01	8.53E+00	1.09E+00	6.38E-02	9.86E+00	1.76E-01	1.08E-04	1.09E-01	1.25E-02	2.98E-01
2162	494311.06	3859751.99	2.05E-01	1.43E-04	6.39E-02	9.91E-03	2.79E-01	2.71E-01	1.38E+01	6.39E-01	5.06E-02	1.47E+01	2.63E-01	1.74E-04	6.39E-02	9.91E-03	3.37E-01
2163	494361.06	3859751.99	2.06E-01	1.42E-04	6.40E-02	1.01E-02	2.80E-01	2.72E-01	1.36E+01	6.40E-01	5.18E-02	1.46E+01	2.64E-01	1.72E-04	6.40E-02	1.01E-02	3.38E-01
2164	494411.06	3859751.99	2.06E-01	1.40E-04	6.46E-02	1.05E-02	2.82E-01	2.72E-01	1.34E+01	6.46E-01	5.37E-02	1.44E+01	2.64E-01	1.70E-04	6.46E-02	1.05E-02	3.40E-01
2165	494461.06	3859751.99	2.06E-01	1.41E-04	6.12E-02	9.99E-03	2.77E-01	2.72E-01	1.35E+01	6.12E-01	5.10E-02	1.44E+01	2.64E-01	1.70E-04	6.12E-02	9.99E-03	3.35E-01
2166	494511.06	3859751.99	2.05E-01	1.40E-04	5.90E-02	9.75E-03	2.74E-01	2.70E-01	1.35E+01	5.90E-01	4.98E-02	1.44E+01	2.62E-01	1.70E-04	5.90E-02	9.75E-03	3.31E-01
2167	494561.06	3859751.99	2.04E-01	1.39E-04	5.84E-02	9.95E-03	2.72E-01	2.69E-01	1.33E+01	5.84E-01	5.08E-02	1.42E+01	2.61E-01	1.68E-04	5.84E-02	9.95E-03	3.30E-01
2168	494611.06	3859751.99	2.03E-01	1.37E-04	5.86E-02	1.04E-02	2.72E-01	2.68E-01	1.32E+01	5.86E-01	5.29E-02	1.41E+01	2.60E-01	1.66E-04	5.86E-02	1.04E-02	3.29E-01
2169	494661.06	3859751.99	2.02E-01	1.34E-04	6.43E-02	1.12E-02	2.77E-01	2.67E-01	1.29E+01	6.43E-01	5.72E-02	1.39E+01	2.59E-01	1.63E-04	6.43E-02	1.12E-02	3.34E-01
2170	494711.06	3859751.99	2.00E-01	1.34E-04	6.25E-02	1.10E-02	2.74E-01	2.64E-01	1.29E+01	6.25E-01	5.61E-02	1.38E+01	2.57E-01	1.63E-04	6.25E-02	1.10E-02	3.30E-01
2171	494761.06	3859751.99	1.98E-01	1.33E-04	6.23E-02	1.10E-02	2.72E-01	2.62E-01	1.28E+01	6.23E-01	5.62E-02	1.37E+01	2.54E-01	1.62E-04	6.23E-02	1.10E-02	3.28E-01
2172	494811.06	3859751.99	1.96E-01	1.32E-04	6.52E-02	1.13E-02	2.73E-01	2.59E-01	1.27E+01	6.52E-01	5.78E-02	1.36E+01	2.51E-01	1.60E-04	6.52E-02	1.13E-02	3.28E-01
2173	494861.06	3859751.99	1.94E-01	1.31E-04	6.58E-02	1.14E-02	2.71E-01	2.56E-01	1.26E+01	6.58E-01	5.82E-02	1.35E+01	2.48E-01	1.59E-04	6.58E-02	1.14E-02	3.26E-01
2174	494911.06	3859751.99	1.91E-01	1.30E-04	6.65E-02	1.15E-02	2.69E-01	2.53E-01	1.25E+01	6.65E-01	5.88E-02	1.35E+01	2.45E-01	1.58E-04	6.65E-02	1.15E-02	3.23E-01
2175	494961.06	3859751.99	1.89E-01	1.29E-04	6.71E-02	1.16E-02	2.67E-01	2.49E-01	1.24E+01	6.71E-01	5.93E-02	1.34E+01	2.42E-01	1.57E-04	6.71E-02	1.16E-02	3.21E-01
2176	495011.06	3859751.99	1.86E-01	1.28E-04	6.82E-02	1.18E-02	2.66E-01	2.45E-01	1.23E+01	6.82E-01	6.01E-02	1.33E+01	2.38E-01	1.55E-04	6.82E-02	1.18E-02	3.18E-01
2177	495061.06	3859751.99	1.82E-01	1.28E-04	6.72E-02	1.18E-02	2.61E-01	2.41E-01	1.23E+01	6.72E-01	6.01E-02	1.32E+01	2.34E-01	1.55E-04	6.72E-02	1.18E-02	3.13E-01
2178	495111.06	3859751.99	1.79E-01	1.27E-04	6.80E-02	1.19E-02	2.59E-01	2.37E-01	1.22E+01	6.80E-01	6.08E-02	1.31E+01	2.30E-01	1.54E-04	6.80E-02	1.19E-02	3.10E-01
2179	495161.06	3859751.99	1.75E-01	1.26E-04	6.93E-02	1.21E-02	2.57E-01	2.32E-01	1.21E+01	6.93E-01	6.17E-02	1.30E+01	2.25E-01	1.52E-04	6.93E-02	1.21E-02	3.07E-01
2180	495211.06	3859751.99	1.72E-01	1.25E-04	7.09E-02	1.23E-02	2.55E-01	2.27E-01	1.19E+01	7.09E-01	6.26E-02	1.29E+01	2.20E-01	1.51E-04	7.09E-02	1.23E-02	3.03E-01
2181	495261.06	3859751.99	1.68E-01	1.24E-04	6.99E-02	1.23E-02	2.50E-01	2.22E-01	1.19E+01	6.99E-01	6.27E-02	1.29E+01	2.15E-01	1.50E-04	6.99E-02	1.23E-02	2.98E-01
2182	495311.06	3859751.99	1.64E-01	1.23E-04	7.05E-02	1.24E-02	2.47E-01	2.16E-01	1.18E+01	7.05E-01	6.33E-02	1.28E+01	2.10E-01	1.49E-04	7.05E-02	1.24E-02	2.93E-01
2183	495361.06	3859751.99	1.59E-01	1.22E-04	7.30E-02	1.25E-02	2.45E-01	2.11E-01	1.17E+01	7.30E-01	6.36E-02	1.27E+01	2.04E-01	1.48E-04	7.30E-02	1.25E-02	2.90E-01
2184	495411.06	3859751.99	1.56E-01	1.21E-04	7.58E-02	1.25E-02	2.45E-01	2.06E-01	1.16E+01	7.58E-01	6.40E-02	1.27E+01	2.00E-01	1.47E-04	7.58E-02	1.25E-02	2.89E-01
2185	495461.06	3859751.99	1.54E-01	1.20E-04	8.10E-02	1.27E-02	2.48E-01	2.03E-01	1.15E+01	8.10E-01	6.48E-02	1.26E+01	1.97E-01	1.46E-04	8.10E-02	1.27E-02	2.91E-01
2186	495511.06	3859751.99	1.51E-01	1.19E-04	8.62E-02	1.28E-02	2.51E-01	2.00E-01	1.14E+01	8.62E-01	6.55E-02	1.25E+01	1.94E-01	1.44E-04	8.62E-02	1.28E-02	2.93E-01
2187	495561.06	3859751.99	1.49E-01	9.36E-05	8.91E-02	1.28E-02	2.51E-01	1.97E-01	8.97E+00	8.91E-01	6.56E-02	1.01E+01	1.91E-01	1.13E-04	8.91E-02	1.28E-02	2.93E-01
2188	495611.06	3859751.99	1.47E-01	9.29E-05	9.18E-02	1.29E-02	2.51E-01	1.94E-01	8.91E+00	9.18E-01	6.57E-02	1.01E+01	1.88E-01	1.13E-04	9.18E-02	1.29E-02	2.93E-01
2189	495661.06	3859751.99	1.44E-01	9.29E-05	9.32E-02	1.28E-02	2.50E-01	1.90E-01	8.91E+00	9.32E-01	6.56E-02	1.01E+01	1.85E-01	1.13E-04	9.32E-02	1.28E-02	2.91E-01
2190	494311.06	3859801.99	2.03E-01	1.50E-04	5.91E-02	9.00E-03	2.71E-01	2.68E-01	1.44E+01	5.91E-01	4.60E-02	1.53E+01	2.60E-01	1.82E-04	5.91E-02	9.00E-03	3.29E-01
2191	494361.06	3859801.99	2.01E-01	1.45E-04	6.12E-02	9.48E-03	2.72E-01	2.65E-01	1.39E+01	6.12E-01	4.84E-02	1.48E+01	2.57E-01	1.75E-04	6.12E-02	9.48E-03	3.28E-01
2192	494411.06	3859801.99	2.02E-01	1.41E-04	6.34E-02	1.01E-02	2.76E-01	2.67E-01	1.36E+01	6.34E-01	5.16E-02	1.45E+01	2.59E-01	1.71E-04	6.34E-02	1.01E-02	3.33E-01

2193	494461.06	3859801.99	2.02E-01	1.42E-04	6.08E-02	9.59E-03	2.73E-01	2.67E-01	1.36E+01	6.08E-01	4.90E-02	1.45E+01	2.59E-01	1.72E-04	6.08E-02	9.59E-03	3.30E-01
2194	494511.06	3859801.99	2.02E-01	1.45E-04	5.78E-02	8.99E-03	2.69E-01	2.66E-01	1.39E+01	5.78E-01	4.59E-02	1.48E+01	2.59E-01	1.76E-04	5.78E-02	8.99E-03	3.25E-01
2195	494561.06	3859801.99	2.02E-01	1.43E-04	5.76E-02	9.16E-03	2.69E-01	2.67E-01	1.37E+01	5.76E-01	4.68E-02	1.46E+01	2.59E-01	1.73E-04	5.76E-02	9.16E-03	3.26E-01
2196	494611.06	3859801.99	2.03E-01	1.38E-04	6.01E-02	1.01E-02	2.73E-01	2.68E-01	1.33E+01	6.01E-01	5.14E-02	1.42E+01	2.60E-01	1.68E-04	6.01E-02	1.01E-02	3.30E-01
2197	494661.06	3859801.99	2.02E-01	1.37E-04	6.01E-02	1.03E-02	2.73E-01	2.67E-01	1.31E+01	6.01E-01	5.28E-02	1.41E+01	2.59E-01	1.66E-04	6.01E-02	1.03E-02	3.30E-01
2198	494711.06	3859801.99	2.01E-01	1.35E-04	6.06E-02	1.08E-02	2.73E-01	2.66E-01	1.30E+01	6.06E-01	5.51E-02	1.39E+01	2.58E-01	1.64E-04	6.06E-02	1.08E-02	3.30E-01
2199	494761.06	3859801.99	2.00E-01	1.36E-04	5.73E-02	1.03E-02	2.67E-01	2.64E-01	1.30E+01	5.73E-01	5.25E-02	1.39E+01	2.56E-01	1.64E-04	5.73E-02	1.03E-02	3.24E-01
2200	494811.06	3859801.99	1.98E-01	1.35E-04	5.68E-02	1.05E-02	2.66E-01	2.62E-01	1.29E+01	5.68E-01	5.39E-02	1.38E+01	2.54E-01	1.63E-04	5.68E-02	1.05E-02	3.22E-01
2201	494861.06	3859801.99	1.97E-01	1.34E-04	5.54E-02	1.06E-02	2.63E-01	2.60E-01	1.28E+01	5.54E-01	5.41E-02	1.37E+01	2.52E-01	1.62E-04	5.54E-02	1.06E-02	3.18E-01
2202	494911.06	3859801.99	1.95E-01	1.32E-04	5.77E-02	1.09E-02	2.64E-01	2.57E-01	1.27E+01	5.77E-01	5.58E-02	1.36E+01	2.50E-01	1.60E-04	5.77E-02	1.09E-02	3.19E-01
2203	494961.06	3859801.99	1.93E-01	1.32E-04	5.86E-02	1.11E-02	2.62E-01	2.55E-01	1.26E+01	5.86E-01	5.65E-02	1.35E+01	2.47E-01	1.59E-04	5.86E-02	1.11E-02	3.17E-01
2204	495011.06	3859801.99	1.90E-01	1.31E-04	5.98E-02	1.12E-02	2.62E-01	2.51E-01	1.25E+01	5.98E-01	5.73E-02	1.34E+01	2.44E-01	1.58E-04	5.98E-02	1.12E-02	3.15E-01
2205	495061.06	3859801.99	1.88E-01	1.30E-04	5.98E-02	1.13E-02	2.59E-01	2.48E-01	1.25E+01	5.98E-01	5.76E-02	1.34E+01	2.41E-01	1.57E-04	5.98E-02	1.13E-02	3.12E-01
2206	495111.06	3859801.99	1.85E-01	1.29E-04	6.21E-02	1.15E-02	2.59E-01	2.44E-01	1.24E+01	6.21E-01	5.89E-02	1.33E+01	2.37E-01	1.56E-04	6.21E-02	1.15E-02	3.11E-01
2207	495161.06	3859801.99	1.82E-01	1.28E-04	6.38E-02	1.18E-02	2.58E-01	2.40E-01	1.23E+01	6.38E-01	6.00E-02	1.32E+01	2.33E-01	1.55E-04	6.38E-02	1.18E-02	3.09E-01
2208	495211.06	3859801.99	1.79E-01	1.27E-04	6.36E-02	1.18E-02	2.54E-01	2.36E-01	1.22E+01	6.36E-01	6.03E-02	1.31E+01	2.29E-01	1.54E-04	6.36E-02	1.18E-02	3.05E-01
2209	495261.06	3859801.99	1.75E-01	1.26E-04	6.54E-02	1.20E-02	2.53E-01	2.32E-01	1.21E+01	6.54E-01	6.14E-02	1.30E+01	2.25E-01	1.53E-04	6.54E-02	1.20E-02	3.03E-01
2210	495311.06	3859801.99	1.72E-01	1.25E-04	6.47E-02	1.20E-02	2.49E-01	2.27E-01	1.20E+01	6.47E-01	6.15E-02	1.30E+01	2.20E-01	1.52E-04	6.47E-02	1.20E-02	2.97E-01
2211	495361.06	3859801.99	1.68E-01	1.25E-04	6.57E-02	1.22E-02	2.46E-01	2.22E-01	1.19E+01	6.57E-01	6.23E-02	1.29E+01	2.16E-01	1.51E-04	6.57E-02	1.22E-02	2.94E-01
2212	495411.06	3859801.99	1.64E-01	1.23E-04	6.76E-02	1.24E-02	2.44E-01	2.17E-01	1.18E+01	6.76E-01	6.34E-02	1.28E+01	2.11E-01	1.50E-04	6.76E-02	1.24E-02	2.91E-01
2213	495461.06	3859801.99	1.60E-01	1.23E-04	6.81E-02	1.25E-02	2.41E-01	2.11E-01	1.18E+01	6.81E-01	6.40E-02	1.27E+01	2.05E-01	1.48E-04	6.81E-02	1.25E-02	2.86E-01
2214	495511.06	3859801.99	1.56E-01	1.21E-04	7.10E-02	1.28E-02	2.40E-01	2.06E-01	1.16E+01	7.10E-01	6.53E-02	1.26E+01	2.00E-01	1.47E-04	7.10E-02	1.28E-02	2.83E-01
2215	495561.06	3859801.99	1.54E-01	1.21E-04	7.24E-02	1.28E-02	2.39E-01	2.03E-01	1.16E+01	7.24E-01	6.55E-02	1.26E+01	1.97E-01	1.46E-04	7.24E-02	1.28E-02	2.82E-01
2216	495611.06	3859801.99	1.52E-01	1.20E-04	7.25E-02	1.27E-02	2.37E-01	2.01E-01	1.15E+01	7.25E-01	6.51E-02	1.25E+01	1.95E-01	1.46E-04	7.25E-02	1.27E-02	2.80E-01
2217	495661.06	3859801.99	1.50E-01	1.19E-04	7.73E-02	1.29E-02	2.40E-01	1.98E-01	1.14E+01	7.73E-01	6.59E-02	1.25E+01	1.92E-01	1.44E-04	7.73E-02	1.29E-02	2.82E-01
2218	494311.06	3859851.99	2.07E-01	1.61E-04	5.44E-02	9.06E-03	2.71E-01	2.73E-01	1.54E+01	5.44E-01	4.63E-02	1.63E+01	2.65E-01	1.94E-04	5.44E-02	9.06E-03	3.29E-01
2219	494361.06	3859851.99	2.04E-01	1.57E-04	5.61E-02	9.03E-03	2.69E-01	2.69E-01	1.50E+01	5.61E-01	4.61E-02	1.59E+01	2.61E-01	1.90E-04	5.61E-02	9.03E-03	3.27E-01
2220	494411.06	3859851.99	2.00E-01	1.52E-04	5.81E-02	9.12E-03	2.68E-01	2.65E-01	1.46E+01	5.81E-01	4.66E-02	1.55E+01	2.57E-01	1.84E-04	5.81E-02	9.12E-03	3.24E-01
2221	494461.06	3859851.99	1.97E-01	1.50E-04	5.90E-02	9.34E-03	2.65E-01	2.60E-01	1.43E+01	5.90E-01	4.77E-02	1.52E+01	2.52E-01	1.81E-04	5.90E-02	9.34E-03	3.21E-01
2222	494511.06	3859851.99	1.97E-01	1.51E-04	5.76E-02	9.00E-03	2.64E-01	2.61E-01	1.45E+01	5.76E-01	4.60E-02	1.54E+01	2.53E-01	1.83E-04	5.76E-02	9.00E-03	3.20E-01
2223	494561.06	3859851.99	1.97E-01	1.53E-04	5.57E-02	8.95E-03	2.62E-01	2.60E-01	1.47E+01	5.57E-01	4.57E-02	1.56E+01	2.53E-01	1.86E-04	5.57E-02	8.95E-03	3.18E-01
2224	494611.06	3859851.99	1.99E-01	1.45E-04	5.90E-02	9.55E-03	2.68E-01	2.63E-01	1.39E+01	5.90E-01	4.88E-02	1.48E+01	2.56E-01	1.76E-04	5.90E-02	9.55E-03	3.24E-01
2225	494661.06	3859851.99	1.99E-01	1.45E-04	5.77E-02	9.34E-03	2.66E-01	2.63E-01	1.39E+01	5.77E-01	4.77E-02	1.48E+01	2.55E-01	1.76E-04	5.77E-02	9.34E-03	3.23E-01
2226	494711.06	3859851.99	2.00E-01	1.40E-04	5.94E-02	9.98E-03	2.69E-01	2.64E-01	1.34E+01	5.94E-01	5.10E-02	1.43E+01	2.56E-01	1.69E-04	5.94E-02	9.98E-03	3.26E-01
2227	494761.06	3859851.99	1.99E-01	1.42E-04	5.69E-02	9.52E-03	2.65E-01	2.62E-01	1.36E+01	5.69E-01	4.86E-02	1.45E+01	2.55E-01	1.72E-04	5.69E-02	9.52E-03	3.21E-01
2228	494811.06	3859851.99	1.98E-01	1.39E-04	5.68E-02	9.75E-03	2.65E-01	2.62E-01	1.34E+01	5.68E-01	4.98E-02	1.42E+01	2.54E-01	1.69E-04	5.68E-02	9.75E-03	3.21E-01
2229	494861.06	3859851.99	1.97E-01	1.39E-04	5.55E-02	9.68E-03	2.62E-01	2.60E-01	1.33E+01	5.55E-01	4.95E-02	1.42E+01	2.53E-01	1.68E-04	5.55E-02	9.68E-03	3.18E-01
2230	494911.06	3859851.99	1.96E-01	1.35E-04	5.56E-02	1.00E-02	2.62E-01	2.59E-01	1.30E+01	5.56E-01	5.13E-02	1.38E+01	2.51E-01	1.64E-04	5.56E-02	1.00E-02	3.17E-01
2231	494961.06	3859851.99	1.95E-01	1.34E-04	5.48E-02	1.02E-02	2.60E-01	2.57E-01	1.28E+01	5.48E-01	5.21E-02	1.37E+01	2.50E-01	1.62E-04	5.48E-02	1.02E-02	3.15E-01
2232	495011.06	3859851.99	1.93E-01	1.33E-04	5.40E-02	1.04E-02	2.57E-01	2.55E-01	1.28E+01	5.40E-01	5.29E-02	1.36E+01	2.47E-01	1.61E-04	5.40E-02	1.04E-02	3.12E-01
2233	495061.06	3859851.99	1.91E-01	1.32E-04	5.27E-02	1.04E-02	2.54E-01	2.52E-01	1.27E+01	5.27E-01	5.32E-02	1.35E+01	2.45E-01	1.60E-04	5.27E-02	1.04E-02	3.08E-01
2234	495111.06	3859851.99	1.89E-01	1.31E-04	5.27E-02	1.08E-02	2.53E-01	2.50E-01	1.26E+01	5.27E-01	5.51E-02	1.34E+01	2.42E-01	1.59E-04	5.27E-02	1.08E-02	3.06E-01
2235	495161.06	3859851.99	1.87E-01	1.30E-04	5.43E-02	1.10E-02	2.52E-01	2.47E-01	1.25E+01	5.43E-01	5.62E-02	1.33E+01	2.39E-01	1.58E-04	5.43E-02	1.10E-02	3.05E-01
2236	495211.06	3859851.99	1.84E-01	1.29E-04	5.54E-02	1.12E-02	2.51E-01	2.43E-01	1.24E+01	5.54E-01	5.70E-02	1.32E+01	2.36E-01	1.57E-04	5.54E-02	1.12E-02	3.03E-01
2237	495261.06	3859851.99	1.81E-01	1.28E-04	5.69E-02	1.14E-02	2.50E-01	2.39E-01	1.23E+01	5.69E-01	5.81E-02	1.32E+01	2.32E-01	1.55E-04	5.69E-02	1.14E-02	3.01E-01
2238	495311.06	3859851.99	1.78E-01	1.28E-04	5.71E-02	1.14E-02	2.47E-01	2.35E-01	1.22E+01	5.71E-01	5.85E-02	1.31E+01	2.29E-01	1.55E-04	5.71E-02	1.14E-02	2.97E-01
2239	495361.06	3859851.99	1.75E-01	1.27E-04	5.79E-02	1.16E-02	2.45E-01	2.31E-01	1.22E+01	5.79E-01	5.92E-02	1.30E+01	2.24E-01	1.54E-04	5.79E-02	1.16E-02	2.94E-01
2240	495411.06	3859851.99	1.72E-01	1.26E-04	6.00E-02	1.19E-02	2.44E-01	2.27E-01	1.20E+01	6.00E-01	6.07E-02	1.29E+01	2.20E-01	1.52E-04	6.00E-02	1.19E-02	2.92E-01
2241	495461.06	3859851.99	1.68E-01	1.25E-04	6.19E-02	1.21E-02	2.42E-01	2.22E-01	1.19E+01	6.19E-01	6.19E-02	1.28E+01	2.16E-01	1.51E-04	6.19E-02	1.21E-02	2.90E-01
2242	495511.06	3859851.99	1.64E-01	1.23E-04	6.46E-02	1.24E-02	2.42E-01	2.17E-01	1.18E+01	6.46E-01	6.35E-02	1.28E+01	2.11E-01	1.49E-04	6.46E-02	1.24E-02	2.88E-01
2243	495561.06	3859851.99	1.61E-01	1.23E-04	6.37E-02	1.24E-02	2.37E-01	2.12E-01	1.18E+01	6.37E-01	6.35E-02	1.27E+01	2.06E-01	1.49E-04	6.37E-02	1.24E-02	2.82E-01
2244	495611.06	3859851.99	1.56E-01	1.22E-04	6.31E-02	1.25E-02	2.32E-01	2.07E-01	1.17E+01	6.31E-01	6.36E-02	1.26E+01	2.01E-01	1.48E-04	6.31E-02	1.25E-02	2.76E-01
2245	495661.06	3859851.99	1.53E-01	1.21E-04	6.52E-02	1.27E-02	2.32E-01	2.03E-01	1.16E+01	6.52E-01	6.49E-02	1.25E+01	1.97E-01	1.47E-04	6.52E-02	1.27E-02	2.75E-01
2246	494311.06	3859901.99	2.09E-01	1.68E-04	4.89E-02	9.09E-03	2.67E-01	2.76E-01	1.62E+01	4.89E-01	4.64E-02	1.70E+01	2.68E-01	2.04E-04	4.89E-02	9.09E-03	3.26E-01
2247	494361.06	3859901.99	2.07E-01	1.62E-04	5.24E-02	9.05E-03	2.69E-01	2.74E-01	1.55E+01	5.24E-01	4.62E-02	1.64E+01	2.66E-01	1.96E-04	5.24E-02	9.05E-03	3.27E-01
2248	494411.06	3859901.99	2.04E-01	1.62E-04	5.25E-02	9.03E-03	2.66E-01	2.69E-01	1.55E+01	5.25E-01	4.62E-02	1.64E+01	2.61E-01	1.96E-04	5.25E-02	9.03E-03	3.23E-01
2249	494461.06	3859901.99	2.01E-01	1.60E-04	5.37E-02	9.01E-03	2.64E-01	2.65E-01	1.53E+01	5.37E-01	4.60E-02	1.62E+01	2.57E-01	1.94E-04	5.37E-02	9.01E-03	3.20E-01
2250	494511.06	3859901.99	1.97E-01	1.60E-04	5.38E-02	8.99E-03	2.60E-01	2.61E-01	1.53E+01	5.38E-01	4.59E-02	1.62E+01	2.53E-01	1.93E-04	5.38E-02	8.99E-03	3.16E-01
2251	494561.06	3859901.99	1.93E-01	1.64E-04	5.16E-02	8.98E-03	2.54E-01	2.55E-01	1.57E+01	5.16E-01	4.59E-02	1.65E+01	2.47E-01	1.98E-04	5.16E-02	8.98E-03	3.08E-01
2252	494611.06	3859901.99	1.93E-01	1.55E-04	5.55E-02	8.94E-03	2.58E-01	2.55E-01	1.49E+01	5.55E-01	4.57E-02	1.57E+01	2.48E-01	1.88E-04	5.55E-02	8.94E-03	3.13E-01
2253	494661.06	3859901.99	1.93E-01	1.58E-04	5.36E-02	8.93E-03	2.56E-01	2.55E-01	1.51E+01	5.36E-01	4.56E-02	1.60E+01	2.47E-01	1.91E-04	5.36E-02	8.93E-03	3.10E-01

2254	494711.06	3859901.99	1.96E-01	1.49E-04	5.72E-02	9.35E-03	2.63E-01	2.59E-01	1.43E+01	5.72E-01	4.77E-02	1.52E+01	2.51E-01	1.81E-04	5.72E-02	9.35E-03	3.18E-01
2255	494761.06	3859901.99	1.96E-01	1.50E-04	5.58E-02	9.03E-03	2.61E-01	2.58E-01	1.44E+01	5.58E-01	4.61E-02	1.53E+01	2.51E-01	1.82E-04	5.58E-02	9.03E-03	3.16E-01
2256	494811.06	3859901.99	1.95E-01	1.52E-04	5.43E-02	8.86E-03	2.58E-01	2.57E-01	1.45E+01	5.43E-01	4.53E-02	1.54E+01	2.50E-01	1.84E-04	5.43E-02	8.86E-03	3.13E-01
2257	494861.06	3859901.99	1.94E-01	1.51E-04	5.37E-02	8.84E-03	2.57E-01	2.57E-01	1.45E+01	5.37E-01	4.52E-02	1.53E+01	2.49E-01	1.83E-04	5.37E-02	8.84E-03	3.12E-01
2258	494911.06	3859901.99	1.95E-01	1.47E-04	5.44E-02	9.07E-03	2.58E-01	2.57E-01	1.41E+01	5.44E-01	4.64E-02	1.50E+01	2.50E-01	1.78E-04	5.44E-02	9.07E-03	3.13E-01
2259	494961.06	3859901.99	1.94E-01	1.46E-04	5.37E-02	9.11E-03	2.57E-01	2.56E-01	1.40E+01	5.37E-01	4.65E-02	1.48E+01	2.48E-01	1.77E-04	5.37E-02	9.11E-03	3.11E-01
2260	495011.06	3859901.99	1.93E-01	1.43E-04	5.38E-02	9.42E-03	2.57E-01	2.55E-01	1.37E+01	5.38E-01	4.81E-02	1.45E+01	2.48E-01	1.73E-04	5.38E-02	9.42E-03	3.11E-01
2261	495061.06	3859901.99	1.92E-01	1.41E-04	5.34E-02	9.62E-03	2.55E-01	2.54E-01	1.35E+01	5.34E-01	4.92E-02	1.43E+01	2.46E-01	1.70E-04	5.34E-02	9.62E-03	3.09E-01
2262	495111.06	3859901.99	1.91E-01	1.37E-04	5.36E-02	1.00E-02	2.55E-01	2.52E-01	1.31E+01	5.36E-01	5.13E-02	1.40E+01	2.45E-01	1.66E-04	5.36E-02	1.00E-02	3.09E-01
2263	495161.06	3859901.99	1.89E-01	1.33E-04	5.35E-02	1.04E-02	2.53E-01	2.50E-01	1.28E+01	5.35E-01	5.31E-02	1.36E+01	2.43E-01	1.62E-04	5.35E-02	1.04E-02	3.07E-01
2264	495211.06	3859901.99	1.87E-01	1.33E-04	5.21E-02	1.04E-02	2.50E-01	2.47E-01	1.27E+01	5.21E-01	5.30E-02	1.35E+01	2.40E-01	1.61E-04	5.21E-02	1.04E-02	3.03E-01
2265	495261.06	3859901.99	1.85E-01	1.29E-04	5.21E-02	1.09E-02	2.49E-01	2.45E-01	1.24E+01	5.21E-01	5.55E-02	1.32E+01	2.38E-01	1.57E-04	5.21E-02	1.09E-02	3.01E-01
2266	495311.06	3859901.99	1.83E-01	1.29E-04	5.06E-02	1.08E-02	2.44E-01	2.42E-01	1.23E+01	5.06E-01	5.54E-02	1.32E+01	2.34E-01	1.56E-04	5.06E-02	1.08E-02	2.96E-01
2267	495361.06	3859901.99	1.80E-01	1.28E-04	5.17E-02	1.11E-02	2.43E-01	2.38E-01	1.23E+01	5.17E-01	5.66E-02	1.31E+01	2.31E-01	1.55E-04	5.17E-02	1.11E-02	2.94E-01
2268	495411.06	3859901.99	1.78E-01	1.27E-04	5.44E-02	1.14E-02	2.44E-01	2.35E-01	1.21E+01	5.44E-01	5.84E-02	1.30E+01	2.28E-01	1.53E-04	5.44E-02	1.14E-02	2.94E-01
2269	495461.06	3859901.99	1.75E-01	1.26E-04	5.62E-02	1.17E-02	2.43E-01	2.31E-01	1.20E+01	5.62E-01	5.97E-02	1.29E+01	2.24E-01	1.52E-04	5.62E-02	1.17E-02	2.92E-01
2270	495511.06	3859901.99	1.71E-01	1.25E-04	5.60E-02	1.17E-02	2.39E-01	2.26E-01	1.20E+01	5.60E-01	5.99E-02	1.28E+01	2.20E-01	1.51E-04	5.60E-02	1.17E-02	2.88E-01
2271	495561.06	3859901.99	1.68E-01	1.24E-04	5.59E-02	1.18E-02	2.36E-01	2.22E-01	1.19E+01	5.59E-01	6.01E-02	1.28E+01	2.15E-01	1.50E-04	5.59E-02	1.18E-02	2.83E-01
2272	495611.06	3859901.99	1.64E-01	1.23E-04	5.79E-02	1.21E-02	2.35E-01	2.17E-01	1.18E+01	5.79E-01	6.16E-02	1.27E+01	2.11E-01	1.49E-04	5.79E-02	1.21E-02	2.81E-01
2273	495661.06	3859901.99	1.61E-01	1.22E-04	6.04E-02	1.24E-02	2.34E-01	2.12E-01	1.17E+01	6.04E-01	6.32E-02	1.26E+01	2.06E-01	1.48E-04	6.04E-02	1.24E-02	2.79E-01
2274	494311.06	3859951.99	2.06E-01	1.76E-04	4.21E-02	9.09E-03	2.58E-01	2.72E-01	1.69E+01	4.21E-01	4.64E-02	1.76E+01	2.64E-01	2.13E-04	4.21E-02	9.09E-03	3.16E-01
2275	494361.06	3859951.99	2.04E-01	1.73E-04	4.44E-02	9.06E-03	2.57E-01	2.69E-01	1.66E+01	4.44E-01	4.63E-02	1.73E+01	2.61E-01	2.09E-04	4.44E-02	9.06E-03	3.15E-01
2276	494411.06	3859951.99	2.06E-01	1.70E-04	4.63E-02	9.04E-03	2.61E-01	2.71E-01	1.63E+01	4.63E-01	4.62E-02	1.71E+01	2.63E-01	2.06E-04	4.63E-02	9.04E-03	3.19E-01
2277	494461.06	3859951.99	2.03E-01	1.68E-04	4.77E-02	9.01E-03	2.60E-01	2.68E-01	1.61E+01	4.77E-01	4.60E-02	1.69E+01	2.60E-01	2.03E-04	4.77E-02	9.01E-03	3.17E-01
2278	494511.06	3859951.99	2.00E-01	1.68E-04	4.81E-02	8.99E-03	2.57E-01	2.64E-01	1.61E+01	4.81E-01	4.59E-02	1.69E+01	2.56E-01	2.03E-04	4.81E-02	8.99E-03	3.13E-01
2279	494561.06	3859951.99	1.92E-01	1.73E-04	4.60E-02	8.99E-03	2.48E-01	2.54E-01	1.66E+01	4.60E-01	4.59E-02	1.74E+01	2.47E-01	2.10E-04	4.60E-02	8.99E-03	3.02E-01
2280	494611.06	3859951.99	1.93E-01	1.66E-04	4.94E-02	8.95E-03	2.52E-01	2.55E-01	1.59E+01	4.94E-01	4.57E-02	1.67E+01	2.48E-01	2.01E-04	4.94E-02	8.95E-03	3.07E-01
2281	494661.06	3859951.99	1.86E-01	1.68E-04	4.84E-02	8.94E-03	2.44E-01	2.46E-01	1.62E+01	4.84E-01	4.57E-02	1.69E+01	2.39E-01	2.04E-04	4.84E-02	8.94E-03	2.96E-01
2282	494711.06	3859951.99	1.87E-01	1.62E-04	5.13E-02	8.91E-03	2.48E-01	2.48E-01	1.55E+01	5.13E-01	4.55E-02	1.63E+01	2.40E-01	1.96E-04	5.13E-02	8.91E-03	3.01E-01
2283	494761.06	3859951.99	1.88E-01	1.62E-04	5.12E-02	8.89E-03	2.48E-01	2.49E-01	1.55E+01	5.12E-01	4.54E-02	1.63E+01	2.41E-01	1.96E-04	5.12E-02	8.89E-03	3.02E-01
2284	494811.06	3859951.99	1.89E-01	1.60E-04	5.14E-02	8.87E-03	2.49E-01	2.50E-01	1.54E+01	5.14E-01	4.53E-02	1.62E+01	2.42E-01	1.94E-04	5.14E-02	8.87E-03	3.03E-01
2285	494861.06	3859951.99	1.89E-01	1.61E-04	5.05E-02	8.85E-03	2.48E-01	2.49E-01	1.54E+01	5.05E-01	4.52E-02	1.62E+01	2.42E-01	1.95E-04	5.05E-02	8.85E-03	3.01E-01
2286	494911.06	3859951.99	1.90E-01	1.57E-04	5.17E-02	8.82E-03	2.51E-01	2.51E-01	1.51E+01	5.17E-01	4.51E-02	1.59E+01	2.44E-01	1.91E-04	5.17E-02	8.82E-03	3.04E-01
2287	494961.06	3859951.99	1.91E-01	1.54E-04	5.24E-02	8.80E-03	2.52E-01	2.52E-01	1.48E+01	5.24E-01	4.49E-02	1.56E+01	2.45E-01	1.87E-04	5.24E-02	8.80E-03	3.06E-01
2288	495011.06	3859951.99	1.91E-01	1.52E-04	5.28E-02	8.77E-03	2.53E-01	2.52E-01	1.46E+01	5.28E-01	4.48E-02	1.54E+01	2.45E-01	1.84E-04	5.28E-02	8.77E-03	3.07E-01
2289	495061.06	3859951.99	1.91E-01	1.50E-04	5.26E-02	8.77E-03	2.52E-01	2.52E-01	1.44E+01	5.26E-01	4.48E-02	1.52E+01	2.44E-01	1.82E-04	5.26E-02	8.77E-03	3.06E-01
2290	495111.06	3859951.99	1.91E-01	1.47E-04	5.32E-02	9.20E-03	2.53E-01	2.52E-01	1.41E+01	5.32E-01	4.70E-02	1.49E+01	2.44E-01	1.77E-04	5.32E-02	9.20E-03	3.07E-01
2291	495161.06	3859951.99	1.90E-01	1.43E-04	5.36E-02	9.60E-03	2.53E-01	2.51E-01	1.37E+01	5.36E-01	4.90E-02	1.46E+01	2.44E-01	1.73E-04	5.36E-02	9.60E-03	3.07E-01
2292	495211.06	3859951.99	1.89E-01	1.40E-04	5.38E-02	9.98E-03	2.53E-01	2.50E-01	1.34E+01	5.38E-01	5.10E-02	1.43E+01	2.42E-01	1.69E-04	5.38E-02	9.98E-03	3.06E-01
2293	495261.06	3859951.99	1.88E-01	1.38E-04	5.34E-02	1.02E-02	2.51E-01	2.48E-01	1.32E+01	5.34E-01	5.20E-02	1.40E+01	2.41E-01	1.67E-04	5.34E-02	1.02E-02	3.04E-01
2294	495311.06	3859951.99	1.85E-01	1.37E-04	5.20E-02	1.01E-02	2.48E-01	2.45E-01	1.32E+01	5.20E-01	5.15E-02	1.40E+01	2.38E-01	1.66E-04	5.20E-02	1.01E-02	3.00E-01
2295	495361.06	3859951.99	1.83E-01	1.36E-04	5.11E-02	1.02E-02	2.45E-01	2.42E-01	1.30E+01	5.11E-01	5.21E-02	1.38E+01	2.35E-01	1.64E-04	5.11E-02	1.02E-02	2.97E-01
2296	495411.06	3859951.99	1.82E-01	1.32E-04	5.09E-02	1.06E-02	2.43E-01	2.40E-01	1.27E+01	5.09E-01	5.41E-02	1.35E+01	2.33E-01	1.60E-04	5.09E-02	1.06E-02	2.94E-01
2297	495461.06	3859951.99	1.79E-01	1.30E-04	5.03E-02	1.09E-02	2.40E-01	2.37E-01	1.24E+01	5.03E-01	5.55E-02	1.32E+01	2.30E-01	1.57E-04	5.03E-02	1.09E-02	2.91E-01
2298	495511.06	3859951.99	1.77E-01	1.27E-04	4.96E-02	1.11E-02	2.38E-01	2.33E-01	1.22E+01	4.96E-01	5.69E-02	1.30E+01	2.27E-01	1.54E-04	4.96E-02	1.11E-02	2.87E-01
2299	495561.06	3859951.99	1.73E-01	1.27E-04	4.81E-02	1.10E-02	2.33E-01	2.29E-01	1.22E+01	4.81E-01	5.61E-02	1.29E+01	2.22E-01	1.54E-04	4.81E-02	1.10E-02	2.82E-01
2300	495611.06	3859951.99	1.71E-01	1.24E-04	5.04E-02	1.13E-02	2.32E-01	2.25E-01	1.19E+01	5.04E-01	5.78E-02	1.27E+01	2.19E-01	1.50E-04	5.04E-02	1.13E-02	2.81E-01
2301	495661.06	3859951.99	1.68E-01	1.22E-04	5.37E-02	1.18E-02	2.33E-01	2.21E-01	1.17E+01	5.37E-01	6.02E-02	1.25E+01	2.15E-01	1.48E-04	5.37E-02	1.18E-02	2.81E-01
2302	494311.06	3860001.99	2.07E-01	1.81E-04	3.92E-02	9.06E-03	2.56E-01	2.74E-01	1.74E+01	3.92E-01	4.63E-02	1.81E+01	2.66E-01	2.20E-04	3.92E-02	9.06E-03	3.14E-01
2303	494361.06	3860001.99	2.05E-01	1.80E-04	3.84E-02	9.04E-03	2.53E-01	2.71E-01	1.72E+01	3.84E-01	4.62E-02	1.79E+01	2.63E-01	2.18E-04	3.84E-02	9.04E-03	3.11E-01
2304	494411.06	3860001.99	2.03E-01	1.75E-04	3.99E-02	9.01E-03	2.52E-01	2.68E-01	1.68E+01	3.99E-01	4.60E-02	1.75E+01	2.60E-01	2.12E-04	3.99E-02	9.01E-03	3.09E-01
2305	494461.06	3860001.99	2.01E-01	1.75E-04	4.10E-02	8.99E-03	2.51E-01	2.65E-01	1.68E+01	4.10E-01	4.59E-02	1.75E+01	2.57E-01	2.12E-04	4.10E-02	8.99E-03	3.07E-01
2306	494511.06	3860001.99	1.98E-01	1.72E-04	4.29E-02	8.97E-03	2.50E-01	2.62E-01	1.65E+01	4.29E-01	4.58E-02	1.72E+01	2.54E-01	2.08E-04	4.29E-02	8.97E-03	3.06E-01
2307	494561.06	3860001.99	1.95E-01	1.80E-04	4.05E-02	8.96E-03	2.45E-01	2.58E-01	1.73E+01	4.05E-01	4.58E-02	1.80E+01	2.51E-01	2.18E-04	4.05E-02	8.96E-03	3.00E-01
2308	494611.06	3860001.99	1.93E-01	1.76E-04	4.24E-02	8.94E-03	2.44E-01	2.55E-01	1.69E+01	4.24E-01	4.56E-02	1.76E+01	2.47E-01	2.14E-04	4.24E-02	8.94E-03	2.99E-01
2309	494661.06	3860001.99	1.90E-01	1.76E-04	4.31E-02	8.92E-03	2.42E-01	2.51E-01	1.69E+01	4.31E-01	4.55E-02	1.76E+01	2.43E-01	2.13E-04	4.31E-02	8.92E-03	2.96E-01
2310	494711.06	3860001.99	1.91E-01	1.66E-04	4.77E-02	8.88E-03	2.47E-01	2.52E-01	1.59E+01	4.77E-01	4.54E-02	1.67E+01	2.44E-01	2.01E-04	4.77E-02	8.88E-03	3.01E-01
2311	494761.06	3860001.99	1.84E-01	1.70E-04	4.62E-02	8.87E-03	2.39E-01	2.43E-01	1.63E+01	4.62E-01	4.53E-02	1.70E+01	2.36E-01	2.06E-04	4.62E-02	8.87E-03	2.91E-01
2312	494811.06	3860001.99	1.81E-01	1.70E-04	4.64E-02	8.85E-03	2.36E-01	2.39E-01	1.63E+01	4.64E-01	4.52E-02	1.70E+01	2.32E-01	2.06E-04	4.64E-02	8.85E-03	2.87E-01
2313	494861.06	3860001.99	1.78E-01	1.70E-04	4.61E-02	8.83E-03	2.33E-01	2.35E-01	1.63E+01	4.61E-01	4.51E-02	1.71E+01	2.28E-01	2.06E-04	4.61E-02	8.83E-03	2.83E-01
2314	494911.06	3860001.99	1.85E-01	1.61E-04	5.00E-02	8.80E-03	2.44E-01	2.45E-01	1.55E+01	5.00E-01	4.49E-02	1.63E+01	2.37E-01	1.95E-04	5.00E-02	8.80E-03	2.96E-01

2315	494961.06	3860001.99	1.85E-01	1.61E-04	4.97E-02	8.78E-03	2.44E-01	2.45E-01	1.55E+01	4.97E-01	4.48E-02	1.63E+01	2.38E-01	1.96E-04	4.97E-02	8.78E-03	2.96E-01
2316	495011.06	3860001.99	1.87E-01	1.58E-04	5.07E-02	8.75E-03	2.46E-01	2.47E-01	1.52E+01	5.07E-01	4.47E-02	1.60E+01	2.39E-01	1.92E-04	5.07E-02	8.75E-03	2.99E-01
2317	495061.06	3860001.99	1.86E-01	1.59E-04	5.01E-02	8.74E-03	2.45E-01	2.46E-01	1.52E+01	5.01E-01	4.46E-02	1.60E+01	2.39E-01	1.92E-04	5.01E-02	8.74E-03	2.98E-01
2318	495111.06	3860001.99	1.87E-01	1.55E-04	5.11E-02	8.71E-03	2.47E-01	2.47E-01	1.49E+01	5.11E-01	4.45E-02	1.57E+01	2.40E-01	1.88E-04	5.11E-02	8.71E-03	3.00E-01
2319	495161.06	3860001.99	1.88E-01	1.52E-04	5.19E-02	8.69E-03	2.48E-01	2.48E-01	1.46E+01	5.19E-01	4.44E-02	1.54E+01	2.41E-01	1.84E-04	5.19E-02	8.69E-03	3.01E-01
2320	495211.06	3860001.99	1.87E-01	1.52E-04	5.11E-02	8.67E-03	2.46E-01	2.46E-01	1.46E+01	5.11E-01	4.43E-02	1.54E+01	2.39E-01	1.84E-04	5.11E-02	8.67E-03	2.99E-01
2321	495261.06	3860001.99	1.86E-01	1.49E-04	5.15E-02	8.86E-03	2.47E-01	2.46E-01	1.43E+01	5.15E-01	4.52E-02	1.51E+01	2.39E-01	1.81E-04	5.15E-02	8.86E-03	2.99E-01
2322	495311.06	3860001.99	1.85E-01	1.48E-04	5.12E-02	8.98E-03	2.46E-01	2.45E-01	1.42E+01	5.12E-01	4.59E-02	1.50E+01	2.38E-01	1.79E-04	5.12E-02	8.98E-03	2.98E-01
2323	495361.06	3860001.99	1.85E-01	1.42E-04	5.25E-02	9.76E-03	2.48E-01	2.45E-01	1.36E+01	5.25E-01	4.98E-02	1.45E+01	2.38E-01	1.72E-04	5.25E-02	9.76E-03	3.00E-01
2324	495411.06	3860001.99	1.83E-01	1.43E-04	5.10E-02	9.50E-03	2.44E-01	2.42E-01	1.37E+01	5.10E-01	4.85E-02	1.45E+01	2.35E-01	1.73E-04	5.10E-02	9.50E-03	2.95E-01
2325	495461.06	3860001.99	1.81E-01	1.40E-04	5.07E-02	9.75E-03	2.42E-01	2.40E-01	1.35E+01	5.07E-01	4.98E-02	1.43E+01	2.33E-01	1.70E-04	5.07E-02	9.75E-03	2.93E-01
2326	495511.06	3860001.99	1.79E-01	1.38E-04	5.02E-02	9.97E-03	2.40E-01	2.37E-01	1.32E+01	5.02E-01	5.09E-02	1.40E+01	2.30E-01	1.67E-04	5.02E-02	9.97E-03	2.90E-01
2327	495561.06	3860001.99	1.77E-01	1.37E-04	4.89E-02	9.91E-03	2.36E-01	2.34E-01	1.32E+01	4.89E-01	5.06E-02	1.40E+01	2.27E-01	1.66E-04	4.89E-02	9.91E-03	2.86E-01
2328	495611.06	3860001.99	1.75E-01	1.34E-04	4.88E-02	1.04E-02	2.34E-01	2.31E-01	1.28E+01	4.88E-01	5.30E-02	1.36E+01	2.24E-01	1.62E-04	4.88E-02	1.04E-02	2.84E-01
2329	495661.06	3860001.99	1.73E-01	1.31E-04	4.86E-02	1.08E-02	2.32E-01	2.28E-01	1.25E+01	4.86E-01	5.51E-02	1.33E+01	2.21E-01	1.58E-04	4.86E-02	1.08E-02	2.81E-01
2330	494411.06	3860051.99	2.04E-01	1.82E-04	3.96E-02	8.96E-03	2.53E-01	2.70E-01	1.74E+01	3.96E-01	4.58E-02	1.81E+01	2.62E-01	2.20E-04	3.96E-02	8.96E-03	3.10E-01
2331	494461.06	3860051.99	2.02E-01	1.80E-04	3.88E-02	8.93E-03	2.50E-01	2.67E-01	1.72E+01	3.88E-01	4.56E-02	1.79E+01	2.59E-01	2.18E-04	3.88E-02	8.93E-03	3.07E-01
2332	494511.06	3860051.99	2.00E-01	1.79E-04	3.80E-02	8.91E-03	2.47E-01	2.64E-01	1.71E+01	3.80E-01	4.55E-02	1.78E+01	2.56E-01	2.16E-04	3.80E-02	8.91E-03	3.03E-01
2333	494561.06	3860051.99	1.98E-01	1.83E-04	3.72E-02	8.90E-03	2.44E-01	2.61E-01	1.76E+01	3.72E-01	4.55E-02	1.82E+01	2.53E-01	2.22E-04	3.72E-02	8.90E-03	3.00E-01
2334	494611.06	3860051.99	1.95E-01	1.84E-04	3.66E-02	8.89E-03	2.41E-01	2.58E-01	1.76E+01	3.66E-01	4.54E-02	1.83E+01	2.50E-01	2.23E-04	3.66E-02	8.89E-03	2.96E-01
2335	494661.06	3860051.99	1.93E-01	1.84E-04	3.75E-02	8.87E-03	2.39E-01	2.54E-01	1.76E+01	3.75E-01	4.53E-02	1.83E+01	2.47E-01	2.23E-04	3.75E-02	8.87E-03	2.94E-01
2336	494711.06	3860051.99	1.90E-01	1.78E-04	4.01E-02	8.84E-03	2.39E-01	2.51E-01	1.71E+01	4.01E-01	4.51E-02	1.78E+01	2.44E-01	2.16E-04	4.01E-02	8.84E-03	2.93E-01
2337	494761.06	3860051.99	1.87E-01	1.78E-04	4.07E-02	8.82E-03	2.37E-01	2.47E-01	1.71E+01	4.07E-01	4.51E-02	1.78E+01	2.40E-01	2.16E-04	4.07E-02	8.82E-03	2.90E-01
2338	494811.06	3860051.99	1.85E-01	1.81E-04	4.05E-02	8.81E-03	2.34E-01	2.44E-01	1.73E+01	4.05E-01	4.50E-02	1.80E+01	2.37E-01	2.19E-04	4.05E-02	8.81E-03	2.86E-01
2339	494861.06	3860051.99	1.82E-01	1.82E-04	4.04E-02	8.79E-03	2.31E-01	2.40E-01	1.75E+01	4.04E-01	4.49E-02	1.81E+01	2.33E-01	2.20E-04	4.04E-02	8.79E-03	2.82E-01
2340	494911.06	3860051.99	1.79E-01	1.78E-04	4.22E-02	8.76E-03	2.30E-01	2.36E-01	1.71E+01	4.22E-01	4.48E-02	1.78E+01	2.29E-01	2.16E-04	4.22E-02	8.76E-03	2.80E-01
2341	494961.06	3860051.99	1.76E-01	1.74E-04	4.42E-02	8.74E-03	2.29E-01	2.32E-01	1.67E+01	4.42E-01	4.46E-02	1.74E+01	2.25E-01	2.11E-04	4.42E-02	8.74E-03	2.78E-01
2342	495011.06	3860051.99	1.74E-01	1.70E-04	4.57E-02	8.71E-03	2.29E-01	2.30E-01	1.63E+01	4.57E-01	4.45E-02	1.71E+01	2.24E-01	2.06E-04	4.57E-02	8.71E-03	2.78E-01
2343	495061.06	3860051.99	1.75E-01	1.68E-04	4.66E-02	8.69E-03	2.30E-01	2.31E-01	1.62E+01	4.66E-01	4.44E-02	1.69E+01	2.24E-01	2.04E-04	4.66E-02	8.69E-03	2.80E-01
2344	495111.06	3860051.99	1.75E-01	1.64E-04	4.83E-02	8.67E-03	2.32E-01	2.31E-01	1.58E+01	4.83E-01	4.43E-02	1.65E+01	2.25E-01	1.99E-04	4.83E-02	8.67E-03	2.82E-01
2345	495161.06	3860051.99	1.82E-01	1.62E-04	4.89E-02	8.65E-03	2.40E-01	2.41E-01	1.56E+01	4.89E-01	4.42E-02	1.64E+01	2.34E-01	1.97E-04	4.89E-02	8.65E-03	2.92E-01
2346	495211.06	3860051.99	1.84E-01	1.60E-04	4.99E-02	8.62E-03	2.42E-01	2.43E-01	1.53E+01	4.99E-01	4.41E-02	1.61E+01	2.35E-01	1.93E-04	4.99E-02	8.62E-03	2.94E-01
2347	495261.06	3860051.99	1.83E-01	1.59E-04	4.99E-02	8.60E-03	2.42E-01	2.42E-01	1.52E+01	4.99E-01	4.40E-02	1.60E+01	2.35E-01	1.92E-04	4.99E-02	8.60E-03	2.94E-01
2348	495311.06	3860051.99	1.83E-01	1.58E-04	4.95E-02	8.59E-03	2.41E-01	2.41E-01	1.52E+01	4.95E-01	4.39E-02	1.59E+01	2.34E-01	1.92E-04	4.95E-02	8.59E-03	2.92E-01
2349	495361.06	3860051.99	1.82E-01	1.57E-04	4.94E-02	8.57E-03	2.40E-01	2.40E-01	1.50E+01	4.94E-01	4.38E-02	1.58E+01	2.33E-01	1.90E-04	4.94E-02	8.57E-03	2.91E-01
2350	495411.06	3860051.99	1.81E-01	1.55E-04	4.95E-02	8.55E-03	2.40E-01	2.40E-01	1.48E+01	4.95E-01	4.37E-02	1.56E+01	2.33E-01	1.87E-04	4.95E-02	8.55E-03	2.91E-01
2351	495461.06	3860051.99	1.81E-01	1.52E-04	4.97E-02	8.60E-03	2.39E-01	2.39E-01	1.46E+01	4.97E-01	4.39E-02	1.54E+01	2.32E-01	1.84E-04	4.97E-02	8.60E-03	2.90E-01
2352	495511.06	3860051.99	1.79E-01	1.51E-04	4.92E-02	8.64E-03	2.37E-01	2.37E-01	1.45E+01	4.92E-01	4.41E-02	1.52E+01	2.30E-01	1.83E-04	4.92E-02	8.64E-03	2.88E-01
2353	495561.06	3860051.99	1.78E-01	1.49E-04	4.89E-02	8.85E-03	2.36E-01	2.35E-01	1.43E+01	4.89E-01	4.52E-02	1.50E+01	2.28E-01	1.80E-04	4.89E-02	8.85E-03	2.86E-01
2354	495611.06	3860051.99	1.77E-01	1.46E-04	4.89E-02	9.19E-03	2.35E-01	2.33E-01	1.40E+01	4.89E-01	4.70E-02	1.48E+01	2.27E-01	1.77E-04	4.89E-02	9.19E-03	2.85E-01
2355	495661.06	3860051.99	1.76E-01	1.42E-04	4.94E-02	9.78E-03	2.35E-01	2.32E-01	1.36E+01	4.94E-01	5.00E-02	1.44E+01	2.25E-01	1.72E-04	4.94E-02	9.78E-03	2.84E-01
2356	494411.06	3860101.99	2.04E-01	1.85E-04	4.11E-02	8.86E-03	2.54E-01	2.70E-01	1.78E+01	4.11E-01	4.53E-02	1.85E+01	2.62E-01	2.24E-04	4.11E-02	8.86E-03	3.12E-01
2357	494461.06	3860101.99	2.02E-01	1.89E-04	4.05E-02	8.85E-03	2.52E-01	2.67E-01	1.81E+01	4.05E-01	4.52E-02	1.88E+01	2.60E-01	2.29E-04	4.05E-02	8.85E-03	3.09E-01
2358	494511.06	3860101.99	2.01E-01	1.84E-04	3.99E-02	8.83E-03	2.50E-01	2.65E-01	1.77E+01	3.99E-01	4.51E-02	1.84E+01	2.57E-01	2.23E-04	3.99E-02	8.83E-03	3.06E-01
2359	494561.06	3860101.99	1.99E-01	1.86E-04	3.92E-02	8.81E-03	2.47E-01	2.63E-01	1.78E+01	3.92E-01	4.50E-02	1.85E+01	2.55E-01	2.25E-04	3.92E-02	8.81E-03	3.03E-01
2360	494611.06	3860101.99	1.97E-01	1.90E-04	3.85E-02	8.80E-03	2.44E-01	2.60E-01	1.82E+01	3.85E-01	4.50E-02	1.89E+01	2.52E-01	2.30E-04	3.85E-02	8.80E-03	3.00E-01
2361	494661.06	3860101.99	1.94E-01	1.91E-04	3.78E-02	8.79E-03	2.41E-01	2.57E-01	1.83E+01	3.78E-01	4.49E-02	1.90E+01	2.49E-01	2.31E-04	3.78E-02	8.79E-03	2.96E-01
2362	494711.06	3860101.99	1.92E-01	1.87E-04	3.69E-02	8.76E-03	2.38E-01	2.54E-01	1.79E+01	3.69E-01	4.48E-02	1.86E+01	2.46E-01	2.26E-04	3.69E-02	8.76E-03	2.92E-01
2363	494761.06	3860101.99	1.90E-01	1.87E-04	3.60E-02	8.74E-03	2.35E-01	2.51E-01	1.79E+01	3.60E-01	4.47E-02	1.86E+01	2.43E-01	2.26E-04	3.60E-02	8.74E-03	2.88E-01
2364	494811.06	3860101.99	1.87E-01	1.87E-04	3.61E-02	8.73E-03	2.32E-01	2.47E-01	1.79E+01	3.61E-01	4.46E-02	1.86E+01	2.40E-01	2.26E-04	3.61E-02	8.73E-03	2.85E-01
2365	494861.06	3860101.99	1.85E-01	1.93E-04	3.65E-02	8.72E-03	2.30E-01	2.44E-01	1.85E+01	3.65E-01	4.46E-02	1.92E+01	2.37E-01	2.34E-04	3.65E-02	8.72E-03	2.82E-01
2366	494911.06	3860101.99	1.82E-01	1.82E-04	3.89E-02	8.68E-03	2.30E-01	2.41E-01	1.75E+01	3.89E-01	4.44E-02	1.82E+01	2.33E-01	2.21E-04	3.89E-02	8.68E-03	2.81E-01
2367	494961.06	3860101.99	1.79E-01	1.82E-04	3.98E-02	8.67E-03	2.28E-01	2.37E-01	1.74E+01	3.98E-01	4.43E-02	1.81E+01	2.30E-01	2.20E-04	3.98E-02	8.67E-03	2.79E-01
2368	495011.06	3860101.99	1.77E-01	1.79E-04	4.13E-02	8.64E-03	2.27E-01	2.33E-01	1.71E+01	4.13E-01	4.42E-02	1.78E+01	2.26E-01	2.17E-04	4.13E-02	8.64E-03	2.77E-01
2369	495061.06	3860101.99	1.74E-01	1.76E-04	4.27E-02	8.62E-03	2.25E-01	2.29E-01	1.69E+01	4.27E-01	4.40E-02	1.76E+01	2.23E-01	2.13E-04	4.27E-02	8.62E-03	2.74E-01
2370	495111.06	3860101.99	1.72E-01	1.72E-04	4.47E-02	8.60E-03	2.25E-01	2.27E-01	1.65E+01	4.47E-01	4.39E-02	1.72E+01	2.20E-01	2.08E-04	4.47E-02	8.60E-03	2.74E-01
2371	495161.06	3860101.99	1.72E-01	1.72E-04	4.50E-02	8.58E-03	2.26E-01	2.28E-01	1.65E+01	4.50E-01	4.38E-02	1.72E+01	2.21E-01	2.08E-04	4.50E-02	8.58E-03	2.75E-01
2372	495211.06	3860101.99	1.73E-01	1.70E-04	4.58E-02	8.56E-03	2.27E-01	2.28E-01	1.63E+01	4.58E-01	4.37E-02	1.70E+01	2.21E-01	2.06E-04	4.58E-02	8.56E-03	2.76E-01
2373	495261.06	3860101.99	1.73E-01	1.68E-04	4.66E-02	8.54E-03	2.28E-01	2.28E-01	1.61E+01	4.66E-01	4.36E-02	1.68E+01	2.22E-01	2.03E-04	4.66E-02	8.54E-03	2.77E-01
2374	495311.06	3860101.99	1.73E-01	1.67E-04	4.70E-02	8.52E-03	2.28E-01	2.28E-01	1.60E+01	4.70E-01	4.35E-02	1.67E+01	2.21E-01	2.02E-04	4.70E-02	8.52E-03	2.77E-01
2375	495361.06	3860101.99	1.72E-01	1.66E-04	4.68E-02	8.50E-03	2.28E-01	2.28E-01	1.60E+01	4.68E-01	4.34E-02	1.67E+01	2.21E-01	2.02E-04	4.68E-02	8.50E-03	2.77E-01

2376	495411.06	3860101.99	1.72E-01	1.64E-04	4.73E-02	8.48E-03	2.28E-01	2.27E-01	1.58E+01	4.73E-01	4.33E-02	1.65E+01	2.20E-01	1.99E-04	4.73E-02	8.48E-03	2.76E-01
2377	495461.06	3860101.99	1.79E-01	1.60E-04	4.86E-02	8.46E-03	2.36E-01	2.36E-01	1.54E+01	4.86E-01	4.32E-02	1.61E+01	2.29E-01	1.94E-04	4.86E-02	8.46E-03	2.87E-01
2378	495511.06	3860101.99	1.78E-01	1.60E-04	4.81E-02	8.44E-03	2.34E-01	2.34E-01	1.53E+01	4.81E-01	4.31E-02	1.61E+01	2.28E-01	1.94E-04	4.81E-02	8.44E-03	2.84E-01
2379	495561.06	3860101.99	1.76E-01	1.59E-04	4.75E-02	8.43E-03	2.32E-01	2.32E-01	1.53E+01	4.75E-01	4.30E-02	1.60E+01	2.26E-01	1.93E-04	4.75E-02	8.43E-03	2.82E-01
2380	495611.06	3860101.99	1.77E-01	1.55E-04	4.86E-02	8.40E-03	2.34E-01	2.33E-01	1.49E+01	4.86E-01	4.29E-02	1.57E+01	2.26E-01	1.88E-04	4.86E-02	8.40E-03	2.84E-01
2381	495661.06	3860101.99	1.75E-01	1.53E-04	4.84E-02	8.46E-03	2.32E-01	2.32E-01	1.47E+01	4.84E-01	4.32E-02	1.55E+01	2.25E-01	1.86E-04	4.84E-02	8.46E-03	2.82E-01
2382	494861.06	3860151.99	1.86E-01	2.02E-04	3.70E-02	8.63E-03	2.32E-01	2.46E-01	1.94E+01	3.70E-01	4.41E-02	2.01E+01	2.39E-01	2.45E-04	3.70E-02	8.63E-03	2.85E-01
2383	494911.06	3860151.99	1.85E-01	1.91E-04	3.58E-02	8.59E-03	2.29E-01	2.44E-01	1.83E+01	3.58E-01	4.39E-02	1.90E+01	2.37E-01	2.32E-04	3.58E-02	8.59E-03	2.81E-01
2384	494961.06	3860151.99	1.82E-01	1.89E-04	3.55E-02	8.57E-03	2.26E-01	2.41E-01	1.81E+01	3.55E-01	4.38E-02	1.87E+01	2.34E-01	2.29E-04	3.55E-02	8.57E-03	2.78E-01
2385	495011.06	3860151.99	1.80E-01	1.86E-04	3.66E-02	8.55E-03	2.25E-01	2.37E-01	1.78E+01	3.66E-01	4.37E-02	1.85E+01	2.30E-01	2.25E-04	3.66E-02	8.55E-03	2.76E-01
2386	495061.06	3860151.99	1.77E-01	1.83E-04	3.81E-02	8.52E-03	2.24E-01	2.34E-01	1.76E+01	3.81E-01	4.35E-02	1.82E+01	2.27E-01	2.22E-04	3.81E-02	8.52E-03	2.74E-01
2387	495111.06	3860151.99	1.74E-01	1.81E-04	3.93E-02	8.51E-03	2.22E-01	2.30E-01	1.74E+01	3.93E-01	4.34E-02	1.81E+01	2.24E-01	2.20E-04	3.93E-02	8.51E-03	2.72E-01
2388	495161.06	3860151.99	1.72E-01	1.80E-04	4.03E-02	8.49E-03	2.21E-01	2.27E-01	1.73E+01	4.03E-01	4.34E-02	1.80E+01	2.20E-01	2.18E-04	4.03E-02	8.49E-03	2.69E-01
2389	495211.06	3860151.99	1.69E-01	1.78E-04	4.14E-02	8.47E-03	2.19E-01	2.23E-01	1.71E+01	4.14E-01	4.33E-02	1.78E+01	2.17E-01	2.16E-04	4.14E-02	8.47E-03	2.67E-01
2390	495261.06	3860151.99	1.70E-01	1.77E-04	4.21E-02	8.45E-03	2.20E-01	2.24E-01	1.70E+01	4.21E-01	4.32E-02	1.77E+01	2.18E-01	2.15E-04	4.21E-02	8.45E-03	2.68E-01
2391	495311.06	3860151.99	1.70E-01	1.76E-04	4.28E-02	8.43E-03	2.22E-01	2.25E-01	1.69E+01	4.28E-01	4.31E-02	1.76E+01	2.18E-01	2.13E-04	4.28E-02	8.43E-03	2.70E-01
2392	495361.06	3860151.99	1.71E-01	1.75E-04	4.33E-02	8.42E-03	2.22E-01	2.25E-01	1.68E+01	4.33E-01	4.30E-02	1.75E+01	2.19E-01	2.12E-04	4.33E-02	8.42E-03	2.71E-01
2393	495411.06	3860151.99	1.71E-01	1.73E-04	4.40E-02	8.40E-03	2.23E-01	2.25E-01	1.66E+01	4.40E-01	4.29E-02	1.73E+01	2.19E-01	2.10E-04	4.40E-02	8.40E-03	2.71E-01
2394	495461.06	3860151.99	1.70E-01	1.71E-04	4.46E-02	8.38E-03	2.24E-01	2.25E-01	1.64E+01	4.46E-01	4.28E-02	1.72E+01	2.18E-01	2.08E-04	4.46E-02	8.38E-03	2.72E-01
2395	495511.06	3860151.99	1.70E-01	1.69E-04	4.55E-02	8.36E-03	2.24E-01	2.24E-01	1.62E+01	4.55E-01	4.27E-02	1.69E+01	2.18E-01	2.05E-04	4.55E-02	8.36E-03	2.72E-01
2396	495561.06	3860151.99	1.69E-01	1.68E-04	4.56E-02	8.34E-03	2.23E-01	2.24E-01	1.61E+01	4.56E-01	4.26E-02	1.68E+01	2.17E-01	2.03E-04	4.56E-02	8.34E-03	2.71E-01
2397	495611.06	3860151.99	1.68E-01	1.65E-04	4.62E-02	8.32E-03	2.23E-01	2.22E-01	1.58E+01	4.62E-01	4.25E-02	1.66E+01	2.16E-01	2.00E-04	4.62E-02	8.32E-03	2.71E-01
2398	495661.06	3860151.99	1.67E-01	1.62E-04	4.70E-02	8.30E-03	2.23E-01	2.21E-01	1.56E+01	4.70E-01	4.24E-02	1.63E+01	2.14E-01	1.97E-04	4.70E-02	8.30E-03	2.70E-01
2399	495718.25	3859442.96	1.18E-01	7.47E-05	1.16E-01	1.23E-02	2.46E-01	1.55E-01	7.17E+00	1.16E+00	6.28E-02	8.55E+00	1.51E-01	9.05E-05	1.16E-01	1.23E-02	2.79E-01
2400	495818.25	3859442.96	1.16E-01	7.27E-05	1.10E-01	1.17E-02	2.38E-01	1.53E-01	6.98E+00	1.10E+00	5.99E-02	8.29E+00	1.49E-01	8.81E-05	1.10E-01	1.17E-02	2.70E-01
2401	495918.25	3859442.96	1.15E-01	7.13E-05	1.04E-01	1.13E-02	2.30E-01	1.52E-01	6.84E+00	1.04E+00	5.79E-02	8.09E+00	1.48E-01	8.64E-05	1.04E-01	1.13E-02	2.63E-01
2402	496018.25	3859442.96	1.14E-01	7.01E-05	9.78E-02	1.10E-02	2.23E-01	1.51E-01	6.73E+00	9.78E-01	5.62E-02	7.91E+00	1.47E-01	8.50E-05	9.78E-02	1.10E-02	2.56E-01
2403	496118.25	3859442.96	1.17E-01	7.05E-05	9.48E-02	1.14E-02	2.23E-01	1.54E-01	6.76E+00	9.48E-01	5.80E-02	7.92E+00	1.50E-01	8.54E-05	9.48E-02	1.14E-02	2.56E-01
2404	496218.25	3859442.96	1.18E-01	7.07E-05	9.08E-02	1.15E-02	2.20E-01	1.56E-01	6.78E+00	9.08E-01	5.90E-02	7.90E+00	1.51E-01	8.56E-05	9.08E-02	1.15E-02	2.54E-01
2405	496318.25	3859442.96	1.16E-01	6.97E-05	8.57E-02	1.12E-02	2.13E-01	1.53E-01	6.68E+00	8.57E-01	5.74E-02	7.75E+00	1.49E-01	8.44E-05	8.57E-02	1.12E-02	2.46E-01
2406	496418.25	3859442.96	1.14E-01	6.87E-05	8.05E-02	1.09E-02	2.05E-01	1.50E-01	6.58E+00	8.05E-01	5.55E-02	7.60E+00	1.46E-01	8.32E-05	8.05E-02	1.09E-02	2.37E-01
2407	495718.25	3859542.96	1.26E-01	7.69E-05	1.31E-01	1.35E-02	2.71E-01	1.67E-01	7.38E+00	1.31E+00	6.88E-02	8.92E+00	1.62E-01	9.32E-05	1.31E-01	1.35E-02	3.06E-01
2408	495818.25	3859542.96	1.24E-01	7.54E-05	1.28E-01	1.33E-02	2.65E-01	1.63E-01	7.23E+00	1.28E+00	6.81E-02	8.75E+00	1.58E-01	9.14E-05	1.28E-01	1.33E-02	3.00E-01
2409	495918.25	3859542.96	1.20E-01	7.37E-05	1.25E-01	1.30E-02	2.58E-01	1.59E-01	7.07E+00	1.25E+00	6.66E-02	8.54E+00	1.54E-01	8.93E-05	1.25E-01	1.30E-02	2.92E-01
2410	496018.25	3859542.96	1.18E-01	7.23E-05	1.21E-01	1.28E-02	2.52E-01	1.56E-01	6.93E+00	1.21E+00	6.52E-02	8.36E+00	1.52E-01	8.76E-05	1.21E-01	1.28E-02	2.85E-01
2411	496118.25	3859542.96	1.22E-01	7.43E-05	1.16E-01	1.30E-02	2.50E-01	1.61E-01	7.13E+00	1.16E+00	6.64E-02	8.51E+00	1.56E-01	9.01E-05	1.16E-01	1.30E-02	2.85E-01
2412	496218.25	3859542.96	1.23E-01	7.62E-05	1.10E-01	1.30E-02	2.47E-01	1.63E-01	7.30E+00	1.10E+00	6.65E-02	8.64E+00	1.58E-01	9.23E-05	1.10E-01	1.30E-02	2.82E-01
2413	496318.25	3859542.96	1.24E-01	7.72E-05	1.05E-01	1.29E-02	2.42E-01	1.63E-01	7.40E+00	1.05E+00	6.60E-02	8.69E+00	1.59E-01	9.35E-05	1.05E-01	1.29E-02	2.77E-01
2414	496418.25	3859542.96	1.22E-01	7.57E-05	1.02E-01	1.26E-02	2.36E-01	1.61E-01	7.26E+00	1.02E+00	6.43E-02	8.50E+00	1.56E-01	9.17E-05	1.02E-01	1.26E-02	2.71E-01
2415	495718.25	3859642.96	1.33E-01	8.24E-05	1.26E-01	1.32E-02	2.72E-01	1.76E-01	7.90E+00	1.26E+00	6.73E-02	9.40E+00	1.71E-01	9.98E-05	1.26E-01	1.32E-02	3.10E-01
2416	495818.25	3859642.96	1.31E-01	8.09E-05	1.27E-01	1.33E-02	2.71E-01	1.73E-01	7.76E+00	1.27E+00	6.79E-02	9.28E+00	1.67E-01	9.81E-05	1.27E-01	1.33E-02	3.08E-01
2417	495918.25	3859642.96	1.29E-01	8.08E-05	1.26E-01	1.34E-02	2.69E-01	1.70E-01	7.75E+00	1.26E+00	6.83E-02	9.25E+00	1.65E-01	9.79E-05	1.26E-01	1.34E-02	3.05E-01
2418	496018.25	3859642.96	1.26E-01	7.97E-05	1.26E-01	1.34E-02	2.66E-01	1.67E-01	7.64E+00	1.26E+00	6.83E-02	9.14E+00	1.62E-01	9.66E-05	1.26E-01	1.34E-02	3.01E-01
2419	496118.25	3859642.96	1.27E-01	8.36E-05	1.19E-01	1.34E-02	2.59E-01	1.67E-01	8.02E+00	1.19E+00	6.86E-02	9.44E+00	1.62E-01	1.01E-04	1.19E-01	1.34E-02	2.95E-01
2420	496218.25	3859642.96	1.26E-01	8.62E-05	1.13E-01	1.34E-02	2.52E-01	1.66E-01	8.26E+00	1.13E+00	6.83E-02	9.63E+00	1.61E-01	1.04E-04	1.13E-01	1.34E-02	2.87E-01
2421	496318.25	3859642.96	1.24E-01	8.54E-05	1.11E-01	1.33E-02	2.49E-01	1.63E-01	8.19E+00	1.11E+00	6.82E-02	9.54E+00	1.59E-01	1.03E-04	1.11E-01	1.33E-02	2.84E-01
2422	496418.25	3859642.96	1.20E-01	7.74E-05	1.17E-01	1.30E-02	2.50E-01	1.58E-01	7.42E+00	1.17E+00	6.64E-02	8.81E+00	1.54E-01	9.38E-05	1.17E-01	1.30E-02	2.84E-01
2423	495718.25	3859742.96	1.40E-01	9.16E-05	9.87E-02	1.28E-02	2.51E-01	1.85E-01	8.78E+00	9.87E-01	6.53E-02	1.00E+01	1.79E-01	1.11E-04	9.87E-02	1.28E-02	2.91E-01
2424	495818.25	3859742.96	1.36E-01	8.91E-05	1.06E-01	1.27E-02	2.54E-01	1.79E-01	8.55E+00	1.06E+00	6.50E-02	9.85E+00	1.74E-01	1.08E-04	1.06E-01	1.27E-02	2.92E-01
2425	495918.25	3859742.96	1.34E-01	8.79E-05	1.09E-01	1.26E-02	2.56E-01	1.77E-01	8.43E+00	1.09E+00	6.45E-02	9.77E+00	1.72E-01	1.07E-04	1.09E-01	1.26E-02	2.94E-01
2426	496018.25	3859742.96	1.32E-01	8.64E-05	1.13E-01	1.26E-02	2.58E-01	1.74E-01	8.29E+00	1.13E+00	6.44E-02	9.65E+00	1.69E-01	1.05E-04	1.13E-01	1.26E-02	2.95E-01
2427	496118.25	3859742.96	1.32E-01	8.96E-05	1.07E-01	1.25E-02	2.51E-01	1.74E-01	8.59E+00	1.07E+00	6.40E-02	9.90E+00	1.69E-01	1.09E-04	1.07E-01	1.25E-02	2.89E-01
2428	496218.25	3859742.96	1.32E-01	9.37E-05	9.77E-02	1.24E-02	2.42E-01	1.74E-01	8.99E+00	9.77E-01	6.35E-02	1.02E+01	1.69E-01	1.14E-04	9.77E-02	1.24E-02	2.79E-01
2429	496318.25	3859742.96	1.28E-01	8.67E-05	1.11E-01	1.29E-02	2.52E-01	1.69E-01	8.31E+00	1.11E+00	6.61E-02	9.66E+00	1.64E-01	1.05E-04	1.11E-01	1.29E-02	2.88E-01
2430	496418.25	3859742.96	1.23E-01	8.03E-05	1.20E-01	1.35E-02	2.57E-01	1.63E-01	7.71E+00	1.20E+00	6.91E-02	9.14E+00	1.58E-01	9.73E-05	1.20E-01	1.35E-02	2.92E-01
2431	495718.25	3859842.96	1.51E-01	1.20E-04	6.73E-02	1.29E-02	2.31E-01	1.99E-01	1.15E+01	6.73E-01	6.56E-02	1.24E+01	1.93E-01	1.45E-04	6.73E-02	1.29E-02	2.73E-01
2432	495818.25	3859842.96	1.46E-01	1.18E-04	7.29E-02	1.30E-02	2.32E-01	1.93E-01	1.13E+01	7.29E-01	6.64E-02	1.23E+01	1.87E-01	1.43E-04	7.29E-02	1.30E-02	2.73E-01
2433	495918.25	3859842.96	1.41E-01	1.17E-04	7.87E-02	1.31E-02	2.33E-01	1.87E-01	1.12E+01	7.87E-01	6.71E-02	1.22E+01	1.81E-01	1.41E-04	7.87E-02	1.31E-02	2.73E-01
2434	496018.25	3859842.96	1.36E-01	1.16E-04	8.06E-02	1.31E-02	2.30E-01	1.80E-01	1.11E+01	8.06E-01	6.69E-02	1.22E+01	1.75E-01	1.40E-04	8.06E-02	1.31E-02	2.69E-01
2435	496118.25	3859842.96	1.35E-01	1.17E-04	7.05E-02	1.25E-02	2.18E-01	1.78E-01	1.12E+01	7.05E-01	6.38E-02	1.22E+01	1.73E-01	1.42E-04	7.05E-02	1.25E-02	2.56E-01
2436	496218.25	3859842.96	1.33E-01	9.06E-05	8.75E-02	1.31E-02	2.33E-01	1.75E-01	8.69E+00	8.75E-01	6.70E-02	9.80E+00	1.70E-01	1.10E-04	8.75E-02	1.31E-02	2.71E-01

2437	496318.25	3859842.96	1.27E-01	7.72E-05	1.16E-01	1.27E-02	2.55E-01	1.67E-01	7.40E+00	1.16E+00	6.47E-02	8.79E+00	1.62E-01	9.35E-05	1.16E-01	1.27E-02	2.91E-01
2438	496418.25	3859842.96	1.21E-01	7.30E-05	1.25E-01	1.22E-02	2.58E-01	1.59E-01	7.00E+00	1.25E+00	6.24E-02	8.47E+00	1.55E-01	8.84E-05	1.25E-01	1.22E-02	2.92E-01
2439	495718.25	3859942.96	1.62E-01	1.21E-04	5.50E-02	1.20E-02	2.29E-01	2.15E-01	1.16E+01	5.50E-01	6.11E-02	1.25E+01	2.08E-01	1.47E-04	5.50E-02	1.20E-02	2.75E-01
2440	495818.25	3859942.96	1.55E-01	1.19E-04	5.77E-02	1.24E-02	2.25E-01	2.05E-01	1.15E+01	5.77E-01	6.33E-02	1.23E+01	1.99E-01	1.45E-04	5.77E-02	1.24E-02	2.69E-01
2441	495918.25	3859942.96	1.50E-01	1.18E-04	5.71E-02	1.25E-02	2.19E-01	1.98E-01	1.13E+01	5.71E-01	6.38E-02	1.22E+01	1.92E-01	1.43E-04	5.71E-02	1.25E-02	2.62E-01
2442	496018.25	3859942.96	1.46E-01	1.18E-04	5.63E-02	1.18E-02	2.14E-01	1.93E-01	1.13E+01	5.63E-01	6.02E-02	1.21E+01	1.87E-01	1.43E-04	5.63E-02	1.18E-02	2.55E-01
2443	496118.25	3859942.96	1.42E-01	1.15E-04	5.99E-02	1.28E-02	2.15E-01	1.87E-01	1.10E+01	5.99E-01	6.54E-02	1.19E+01	1.82E-01	1.39E-04	5.99E-02	1.28E-02	2.55E-01
2444	496218.25	3859942.96	1.36E-01	8.81E-05	7.76E-02	1.40E-02	2.27E-01	1.79E-01	8.45E+00	7.76E-01	7.14E-02	9.48E+00	1.74E-01	1.07E-04	7.76E-02	1.40E-02	2.65E-01
2445	496318.25	3859942.96	1.27E-01	7.75E-05	9.69E-02	1.40E-02	2.38E-01	1.68E-01	7.43E+00	9.69E-01	7.13E-02	8.64E+00	1.63E-01	9.39E-05	9.69E-02	1.40E-02	2.74E-01
2446	496418.25	3859942.96	1.21E-01	7.19E-05	1.14E-01	1.23E-02	2.47E-01	1.59E-01	6.90E+00	1.14E+00	6.27E-02	8.26E+00	1.55E-01	8.71E-05	1.14E-01	1.23E-02	2.81E-01
2447	496856.82	3858864.83	8.06E-02	6.60E-05	4.01E-02	6.11E-03	1.27E-01	1.06E-01	6.33E+00	4.01E-01	3.12E-02	6.87E+00	1.03E-01	8.00E-05	4.01E-02	6.11E-03	1.50E-01
2448	496956.82	3858864.83	7.88E-02	6.55E-05	3.88E-02	6.10E-03	1.24E-01	1.04E-01	6.28E+00	3.88E-01	3.11E-02	6.81E+00	1.01E-01	7.94E-05	3.88E-02	6.10E-03	1.46E-01
2449	497056.82	3858864.83	7.72E-02	6.50E-05	3.78E-02	6.08E-03	1.21E-01	1.02E-01	6.24E+00	3.78E-01	3.11E-02	6.75E+00	9.90E-02	7.88E-05	3.78E-02	6.08E-03	1.43E-01
2450	497156.82	3858864.83	7.46E-02	6.44E-05	3.70E-02	6.06E-03	1.18E-01	9.86E-02	6.17E+00	3.70E-01	3.10E-02	6.67E+00	9.57E-02	7.80E-05	3.70E-02	6.06E-03	1.39E-01
2451	497256.82	3858864.83	7.49E-02	6.42E-05	3.65E-02	6.04E-03	1.18E-01	9.90E-02	6.16E+00	3.65E-01	3.09E-02	6.66E+00	9.61E-02	7.78E-05	3.65E-02	6.04E-03	1.39E-01
2452	496856.82	3858964.83	9.01E-02	6.65E-05	5.05E-02	6.12E-03	1.47E-01	1.19E-01	6.38E+00	5.05E-01	3.13E-02	7.04E+00	1.15E-01	8.06E-05	5.05E-02	6.12E-03	1.72E-01
2453	496956.82	3858964.83	8.71E-02	6.56E-05	4.63E-02	6.11E-03	1.40E-01	1.15E-01	6.29E+00	4.63E-01	3.12E-02	6.90E+00	1.12E-01	7.95E-05	4.63E-02	6.11E-03	1.64E-01
2454	497056.82	3858964.83	8.52E-02	6.49E-05	4.39E-02	6.09E-03	1.35E-01	1.13E-01	6.23E+00	4.39E-01	3.11E-02	6.81E+00	1.09E-01	7.87E-05	4.39E-02	6.09E-03	1.59E-01
2455	497156.82	3858964.83	8.32E-02	6.43E-05	4.17E-02	6.07E-03	1.31E-01	1.10E-01	6.16E+00	4.17E-01	3.10E-02	6.72E+00	1.07E-01	7.78E-05	4.17E-02	6.07E-03	1.55E-01
2456	497256.82	3858964.83	8.67E-02	6.47E-05	4.46E-02	6.05E-03	1.37E-01	1.15E-01	6.21E+00	4.46E-01	3.09E-02	6.80E+00	1.11E-01	7.84E-05	4.46E-02	6.05E-03	1.62E-01
2457	496856.82	3859064.83	9.34E-02	6.57E-05	5.86E-02	6.34E-03	1.58E-01	1.23E-01	6.30E+00	5.86E-01	3.24E-02	7.04E+00	1.20E-01	7.96E-05	5.86E-02	6.34E-03	1.85E-01
2458	496956.82	3859064.83	9.22E-02	6.49E-05	5.51E-02	6.33E-03	1.54E-01	1.22E-01	6.22E+00	5.51E-01	3.23E-02	6.93E+00	1.18E-01	7.86E-05	5.51E-02	6.33E-03	1.80E-01
2459	497056.82	3859064.83	9.14E-02	6.42E-05	5.28E-02	6.32E-03	1.51E-01	1.21E-01	6.16E+00	5.28E-01	3.23E-02	6.84E+00	1.17E-01	7.78E-05	5.28E-02	6.32E-03	1.76E-01
2460	497156.82	3859064.83	9.09E-02	6.36E-05	5.11E-02	6.31E-03	1.48E-01	1.20E-01	6.10E+00	5.11E-01	3.22E-02	6.76E+00	1.17E-01	7.71E-05	5.11E-02	6.31E-03	1.74E-01
2461	497256.82	3859064.83	9.68E-02	6.45E-05	5.90E-02	6.30E-03	1.62E-01	1.28E-01	6.18E+00	5.90E-01	3.22E-02	6.93E+00	1.24E-01	7.81E-05	5.90E-02	6.30E-03	1.90E-01
2462	496856.82	3859164.83	8.95E-02	6.36E-05	6.05E-02	6.61E-03	1.57E-01	1.18E-01	6.10E+00	6.05E-01	3.38E-02	6.86E+00	1.15E-01	7.71E-05	6.05E-02	6.61E-03	1.82E-01
2463	496956.82	3859164.83	8.92E-02	6.26E-05	5.68E-02	6.59E-03	1.53E-01	1.18E-01	6.00E+00	5.68E-01	3.37E-02	6.72E+00	1.14E-01	7.58E-05	5.68E-02	6.59E-03	1.78E-01
2464	497056.82	3859164.83	9.09E-02	6.22E-05	5.71E-02	6.58E-03	1.55E-01	1.20E-01	5.96E+00	5.71E-01	3.36E-02	6.69E+00	1.17E-01	7.53E-05	5.71E-02	6.58E-03	1.80E-01
2465	497156.82	3859164.83	9.52E-02	6.24E-05	6.19E-02	6.56E-03	1.64E-01	1.26E-01	5.99E+00	6.19E-01	3.35E-02	6.76E+00	1.22E-01	7.56E-05	6.19E-02	6.56E-03	1.91E-01
2466	497256.82	3859164.83	1.03E-01	6.35E-05	7.29E-02	6.55E-03	1.82E-01	1.36E-01	6.09E+00	7.29E-01	3.35E-02	6.99E+00	1.32E-01	7.69E-05	7.29E-02	6.55E-03	2.11E-01
2467	496856.82	3859264.83	7.88E-02	6.09E-05	5.65E-02	6.87E-03	1.42E-01	1.04E-01	5.84E+00	5.65E-01	3.51E-02	6.54E+00	1.01E-01	7.38E-05	5.65E-02	6.87E-03	1.64E-01
2468	496956.82	3859264.83	8.26E-02	6.07E-05	5.87E-02	6.85E-03	1.48E-01	1.09E-01	5.82E+00	5.87E-01	3.50E-02	6.55E+00	1.06E-01	7.35E-05	5.87E-02	6.85E-03	1.72E-01
2469	497056.82	3859264.83	8.81E-02	6.10E-05	6.40E-02	6.83E-03	1.59E-01	1.16E-01	5.85E+00	6.40E-01	3.49E-02	6.64E+00	1.13E-01	7.39E-05	6.40E-02	6.83E-03	1.84E-01
2470	497156.82	3859264.83	9.30E-02	6.12E-05	6.88E-02	6.81E-03	1.69E-01	1.23E-01	5.87E+00	6.88E-01	3.48E-02	6.71E+00	1.19E-01	7.41E-05	6.88E-02	6.81E-03	1.95E-01
2471	497256.82	3859264.83	1.00E-01	6.20E-05	7.75E-02	7.30E-03	1.85E-01	1.32E-01	5.95E+00	7.75E-01	3.73E-02	6.90E+00	1.28E-01	7.52E-05	7.75E-02	7.30E-03	2.13E-01
2472	497088.92	3858620.93	5.47E-02	6.13E-05	3.07E-02	5.94E-03	9.14E-02	7.22E-02	5.88E+00	3.07E-01	3.04E-02	6.29E+00	7.01E-02	7.43E-05	3.07E-02	5.94E-03	1.07E-01
2473	497138.92	3858620.93	5.52E-02	6.14E-05	3.06E-02	5.93E-03	9.18E-02	7.29E-02	5.88E+00	3.06E-01	3.03E-02	6.29E+00	7.07E-02	7.43E-05	3.06E-02	5.93E-03	1.07E-01
2474	497188.92	3858620.93	5.44E-02	6.14E-05	3.06E-02	5.93E-03	9.10E-02	7.19E-02	5.89E+00	3.06E-01	3.03E-02	6.30E+00	6.98E-02	7.44E-05	3.06E-02	5.93E-03	1.06E-01
2475	497238.92	3858620.93	5.43E-02	6.14E-05	3.05E-02	5.93E-03	9.08E-02	7.17E-02	5.89E+00	3.05E-01	3.03E-02	6.29E+00	6.96E-02	7.43E-05	3.05E-02	5.93E-03	1.06E-01
2476	497088.92	3858670.93	5.63E-02	6.22E-05	3.01E-02	5.99E-03	9.25E-02	7.44E-02	5.96E+00	3.01E-01	3.06E-02	6.37E+00	7.22E-02	7.53E-05	3.01E-02	5.99E-03	1.08E-01
2477	497138.92	3858670.93	5.77E-02	6.24E-05	3.01E-02	5.98E-03	9.38E-02	7.62E-02	5.98E+00	3.01E-01	3.05E-02	6.39E+00	7.40E-02	7.56E-05	3.01E-02	5.98E-03	1.10E-01
2478	497188.92	3858670.93	5.69E-02	6.22E-05	3.00E-02	5.97E-03	9.29E-02	7.51E-02	5.96E+00	3.00E-01	3.05E-02	6.37E+00	7.29E-02	7.53E-05	3.00E-02	5.97E-03	1.09E-01
2479	497238.92	3858670.93	5.72E-02	6.22E-05	2.99E-02	5.97E-03	9.32E-02	7.56E-02	5.97E+00	2.99E-01	3.05E-02	6.37E+00	7.34E-02	7.54E-05	2.99E-02	5.97E-03	1.09E-01
2480	497088.92	3858720.93	6.78E-02	6.33E-05	2.94E-02	6.02E-03	1.03E-01	8.96E-02	6.07E+00	2.94E-01	3.07E-02	6.48E+00	8.69E-02	7.67E-05	2.94E-02	6.02E-03	1.22E-01
2481	497138.92	3858720.93	5.84E-02	6.26E-05	2.93E-02	6.02E-03	9.39E-02	7.72E-02	6.00E+00	2.93E-01	3.08E-02	6.41E+00	7.49E-02	7.58E-05	2.93E-02	6.02E-03	1.10E-01
2482	497188.92	3858720.93	5.81E-02	6.25E-05	2.93E-02	6.01E-03	9.35E-02	7.68E-02	5.99E+00	2.93E-01	3.07E-02	6.39E+00	7.45E-02	7.57E-05	2.93E-02	6.01E-03	1.10E-01
2483	497238.92	3858720.93	6.88E-02	6.29E-05	2.92E-02	6.00E-03	1.04E-01	9.09E-02	6.04E+00	2.92E-01	3.06E-02	6.45E+00	8.82E-02	7.63E-05	2.92E-02	6.00E-03	1.23E-01
2484	497088.92	3858770.93	6.54E-02	6.37E-05	2.85E-02	6.05E-03	1.00E-01	8.64E-02	6.11E+00	2.85E-01	3.09E-02	6.51E+00	8.39E-02	7.72E-05	2.85E-02	6.05E-03	1.18E-01
2485	497138.92	3858770.93	6.58E-02	6.34E-05	2.85E-02	6.04E-03	1.00E-01	8.70E-02	6.08E+00	2.85E-01	3.09E-02	6.49E+00	8.44E-02	7.69E-05	2.85E-02	6.04E-03	1.19E-01
2486	497188.92	3858770.93	6.63E-02	6.30E-05	2.84E-02	6.03E-03	1.01E-01	8.76E-02	6.04E+00	2.84E-01	3.08E-02	6.45E+00	8.50E-02	7.63E-05	2.84E-02	6.03E-03	1.19E-01
2487	497238.92	3858770.93	6.67E-02	6.35E-05	2.84E-02	6.02E-03	1.01E-01	8.81E-02	6.09E+00	2.84E-01	3.07E-02	6.49E+00	8.55E-02	7.69E-05	2.84E-02	6.02E-03	1.20E-01
2488	497396.65	3858622.63	7.26E-02	6.28E-05	3.01E-02	5.88E-03	1.09E-01	9.59E-02	6.02E+00	3.01E-01	3.00E-02	6.45E+00	9.31E-02	7.61E-05	3.01E-02	5.88E-03	1.29E-01
2489	497496.65	3858622.63	7.29E-02	6.37E-05	2.99E-02	5.86E-03	1.09E-01	9.64E-02	6.10E+00	2.99E-01	2.99E-02	6.53E+00	9.35E-02	7.71E-05	2.99E-02	5.86E-03	1.29E-01
2490	497596.65	3858622.63	7.86E-02	6.50E-05	3.10E-02	5.82E-03	1.16E-01	1.04E-01	6.23E+00	3.10E-01	2.97E-02	6.68E+00	1.01E-01	7.87E-05	3.10E-02	5.82E-03	1.38E-01
2491	497696.65	3858622.63	8.25E-02	6.59E-05	3.46E-02	5.80E-03	1.23E-01	1.09E-01	6.32E+00	3.46E-01	2.96E-02	6.80E+00	1.06E-01	7.98E-05	3.46E-02	5.80E-03	1.46E-01
2492	497796.65	3858622.63	8.91E-02	6.71E-05	3.70E-02	5.77E-03	1.32E-01	1.18E-01	6.43E+00	3.70E-01	2.95E-02	6.95E+00	1.14E-01	8.13E-05	3.70E-02	5.77E-03	1.57E-01
2493	497896.65	3858622.63	9.57E-02	6.84E-05	4.29E-02	5.74E-03	1.44E-01	1.26E-01	6.56E+00	4.29E-01	2.93E-02	7.14E+00	1.23E-01	8.28E-05	4.29E-02	5.74E-03	1.71E-01
2494	497396.65	3858722.63	7.21E-02	6.47E-05	2.89E-02	5.94E-03	1.07E-01	9.52E-02	6.20E+00	2.89E-01	3.03E-02	6.62E+00	9.24E-02	7.84E-05	2.89E-02	5.94E-03	1.27E-01
2495	497496.65	3858722.63	7.79E-02	6.56E-05	3.08E-02	5.91E-03	1.15E-01	1.03E-01	6.29E+00	3.08E-01	3.02E-02	6.73E+00	9.99E-02	7.95E-05	3.08E-02	5.91E-03	1.37E-01
2496	497596.65	3858722.63	8.72E-02	6.73E-05	3.73E-02	5.87E-03	1.30E-01	1.15E-01	6.45E+00	3.73E-01	3.00E-02	6.97E+00	1.12E-01	8.15E-05	3.73E-02	5.87E-03	1.55E-01
2497	497696.65	3858722.63	9.31E-02	6.83E-05	4.20E-02	5.84E-03	1.41E-01	1.23E-01	6.56E+00	4.20E-01	2.99E-02	7.13E+00	1.19E-01	8.28E-05	4.20E-02	5.84E-03	1.67E-01

2498	497796.65	3858722.63	9.69E-02	6.91E-05	4.61E-02	5.82E-03	1.49E-01	1.28E-01	6.62E+00	4.61E-01	2.97E-02	7.24E+00	1.24E-01	8.37E-05	4.61E-02	5.82E-03	1.76E-01
2499	497896.65	3858722.63	1.02E-01	7.01E-05	5.28E-02	5.79E-03	1.61E-01	1.35E-01	6.72E+00	5.28E-01	2.96E-02	7.41E+00	1.31E-01	8.49E-05	5.28E-02	5.79E-03	1.89E-01
2500	497396.65	3858822.63	7.99E-02	6.55E-05	3.60E-02	5.98E-03	1.22E-01	1.05E-01	6.28E+00	3.60E-01	3.05E-02	6.78E+00	1.02E-01	7.93E-05	3.60E-02	5.98E-03	1.44E-01
2501	497496.65	3858822.63	8.50E-02	6.64E-05	3.91E-02	5.95E-03	1.30E-01	1.12E-01	6.36E+00	3.91E-01	3.04E-02	6.90E+00	1.09E-01	8.04E-05	3.91E-02	5.95E-03	1.54E-01
2502	497596.65	3858822.63	9.62E-02	6.82E-05	5.75E-02	5.90E-03	1.60E-01	1.27E-01	6.54E+00	5.75E-01	3.01E-02	7.27E+00	1.23E-01	8.26E-05	5.75E-02	5.90E-03	1.87E-01
2503	497696.65	3858822.63	1.00E-01	6.93E-05	5.64E-02	5.87E-03	1.63E-01	1.33E-01	6.64E+00	5.64E-01	3.00E-02	7.37E+00	1.29E-01	8.39E-05	5.64E-02	5.87E-03	1.91E-01
2504	497796.65	3858822.63	1.04E-01	6.98E-05	6.61E-02	5.85E-03	1.76E-01	1.38E-01	6.69E+00	6.61E-01	2.99E-02	7.52E+00	1.34E-01	8.45E-05	6.61E-02	5.85E-03	2.06E-01
2505	497896.65	3858822.63	1.12E-01	7.17E-05	7.18E-02	5.81E-03	1.89E-01	1.48E-01	6.88E+00	7.18E-01	2.97E-02	7.77E+00	1.43E-01	8.69E-05	7.18E-02	5.81E-03	2.21E-01
2506	497396.65	3858922.63	8.87E-02	6.57E-05	4.57E-02	5.99E-03	1.40E-01	1.17E-01	6.30E+00	4.57E-01	3.06E-02	6.90E+00	1.14E-01	7.96E-05	4.57E-02	5.99E-03	1.65E-01
2507	497496.65	3858922.63	9.81E-02	6.75E-05	5.78E-02	5.95E-03	1.62E-01	1.30E-01	6.47E+00	5.78E-01	3.04E-02	7.21E+00	1.26E-01	8.17E-05	5.78E-02	5.95E-03	1.90E-01
2508	497596.65	3858922.63	9.93E-02	6.75E-05	5.91E-02	5.93E-03	1.64E-01	1.31E-01	6.47E+00	5.91E-01	3.03E-02	7.23E+00	1.27E-01	8.18E-05	5.91E-02	5.93E-03	1.92E-01
2509	497696.65	3858922.63	1.10E-01	6.96E-05	8.40E-02	5.93E-03	2.00E-01	1.46E-01	6.67E+00	8.40E-01	3.03E-02	7.69E+00	1.42E-01	8.43E-05	8.40E-02	5.93E-03	2.32E-01
2510	497796.65	3858922.63	1.16E-01	7.11E-05	8.50E-02	5.95E-03	2.07E-01	1.53E-01	6.82E+00	8.50E-01	3.04E-02	7.85E+00	1.49E-01	8.61E-05	8.50E-02	5.95E-03	2.40E-01
2511	497896.65	3858922.63	1.25E-01	7.33E-05	1.07E-01	7.59E-03	2.40E-01	1.66E-01	7.03E+00	1.07E+00	3.88E-02	8.30E+00	1.61E-01	8.87E-05	1.07E-01	7.59E-03	2.76E-01
2512	497364.44	3858201.52	4.61E-02	5.05E-05	3.00E-02	5.43E-03	8.15E-02	6.09E-02	4.84E+00	3.00E-01	2.77E-02	5.23E+00	5.91E-02	6.12E-05	3.00E-02	5.43E-03	9.45E-02
2513	497414.44	3858201.52	4.70E-02	5.08E-05	2.99E-02	5.42E-03	8.24E-02	6.21E-02	4.87E+00	2.99E-01	2.77E-02	5.26E+00	6.02E-02	6.15E-05	2.99E-02	5.42E-03	9.56E-02
2514	497464.44	3858201.52	4.86E-02	5.12E-05	2.98E-02	5.41E-03	8.38E-02	6.41E-02	4.91E+00	2.98E-01	2.76E-02	5.30E+00	6.22E-02	6.20E-05	2.98E-02	5.41E-03	9.75E-02
2515	497514.44	3858201.52	4.93E-02	5.15E-05	2.97E-02	5.41E-03	8.45E-02	6.52E-02	4.94E+00	2.97E-01	2.76E-02	5.33E+00	6.32E-02	6.24E-05	2.97E-02	5.41E-03	9.85E-02
2516	497564.44	3858201.52	4.91E-02	5.16E-05	2.97E-02	5.41E-03	8.42E-02	6.49E-02	4.95E+00	2.97E-01	2.76E-02	5.34E+00	6.30E-02	6.25E-05	2.97E-02	5.41E-03	9.81E-02
2517	497614.44	3858201.52	4.97E-02	5.18E-05	2.96E-02	5.41E-03	8.47E-02	6.56E-02	4.97E+00	2.96E-01	2.76E-02	5.36E+00	6.37E-02	6.28E-05	2.96E-02	5.41E-03	9.87E-02
2518	497364.44	3858251.52	4.84E-02	5.25E-05	2.86E-02	5.49E-03	8.25E-02	6.39E-02	5.03E+00	2.86E-01	2.80E-02	5.41E+00	6.20E-02	6.36E-05	2.86E-02	5.49E-03	9.62E-02
2519	497414.44	3858251.52	5.07E-02	5.30E-05	2.85E-02	5.48E-03	8.47E-02	6.69E-02	5.08E+00	2.85E-01	2.80E-02	5.46E+00	6.49E-02	6.42E-05	2.85E-02	5.48E-03	9.90E-02
2520	497464.44	3858251.52	5.00E-02	5.30E-05	2.85E-02	5.48E-03	8.40E-02	6.60E-02	5.08E+00	2.85E-01	2.80E-02	5.46E+00	6.41E-02	6.42E-05	2.85E-02	5.48E-03	9.81E-02
2521	497514.44	3858251.52	4.90E-02	5.29E-05	2.84E-02	5.48E-03	8.30E-02	6.48E-02	5.07E+00	2.84E-01	2.80E-02	5.45E+00	6.29E-02	6.41E-05	2.84E-02	5.48E-03	9.68E-02
2522	497564.44	3858251.52	4.90E-02	5.30E-05	2.83E-02	5.48E-03	8.28E-02	6.47E-02	5.08E+00	2.83E-01	2.80E-02	5.46E+00	6.28E-02	6.42E-05	2.83E-02	5.48E-03	9.67E-02
2523	497614.44	3858251.52	4.90E-02	5.31E-05	2.82E-02	5.48E-03	8.27E-02	6.47E-02	5.09E+00	2.82E-01	2.80E-02	5.47E+00	6.28E-02	6.43E-05	2.82E-02	5.48E-03	9.66E-02
2524	497364.44	3858301.52	4.93E-02	5.40E-05	2.71E-02	5.55E-03	8.20E-02	6.51E-02	5.18E+00	2.71E-01	2.83E-02	5.55E+00	6.32E-02	6.54E-05	2.71E-02	5.55E-03	9.59E-02
2525	497414.44	3858301.52	5.12E-02	5.45E-05	2.71E-02	5.54E-03	8.39E-02	6.76E-02	5.23E+00	2.71E-01	2.83E-02	5.59E+00	6.56E-02	6.60E-05	2.71E-02	5.54E-03	9.83E-02
2526	497464.44	3858301.52	5.02E-02	5.44E-05	2.70E-02	5.55E-03	8.28E-02	6.63E-02	5.22E+00	2.70E-01	2.83E-02	5.58E+00	6.44E-02	6.59E-05	2.70E-02	5.55E-03	9.70E-02
2527	497514.44	3858301.52	4.97E-02	5.44E-05	2.69E-02	5.55E-03	8.23E-02	6.57E-02	5.22E+00	2.69E-01	2.83E-02	5.58E+00	6.37E-02	6.59E-05	2.69E-02	5.55E-03	9.63E-02
2528	497564.44	3858301.52	4.87E-02	5.43E-05	2.69E-02	5.55E-03	8.12E-02	6.43E-02	5.21E+00	2.69E-01	2.83E-02	5.57E+00	6.24E-02	6.58E-05	2.69E-02	5.55E-03	9.49E-02
2529	497614.44	3858301.52	4.86E-02	5.44E-05	2.68E-02	5.55E-03	8.10E-02	6.42E-02	5.22E+00	2.68E-01	2.83E-02	5.58E+00	6.23E-02	6.59E-05	2.68E-02	5.55E-03	9.48E-02
2530	497364.44	3858351.52	5.20E-02	5.58E-05	2.56E-02	5.61E-03	8.33E-02	6.87E-02	5.35E+00	2.56E-01	2.87E-02	5.70E+00	6.67E-02	6.76E-05	2.56E-02	5.61E-03	9.80E-02
2531	497414.44	3858351.52	5.14E-02	5.58E-05	2.56E-02	5.61E-03	8.26E-02	6.79E-02	5.35E+00	2.56E-01	2.87E-02	5.70E+00	6.59E-02	6.76E-05	2.56E-02	5.61E-03	9.71E-02
2532	497464.44	3858351.52	5.15E-02	5.59E-05	2.55E-02	5.61E-03	8.26E-02	6.80E-02	5.36E+00	2.55E-01	2.86E-02	5.71E+00	6.60E-02	6.77E-05	2.55E-02	5.61E-03	9.71E-02
2533	497514.44	3858351.52	5.10E-02	5.59E-05	2.54E-02	5.61E-03	8.21E-02	6.74E-02	5.36E+00	2.54E-01	2.86E-02	5.71E+00	6.54E-02	6.77E-05	2.54E-02	5.61E-03	9.65E-02
2534	497564.44	3858351.52	4.92E-02	5.57E-05	2.54E-02	5.61E-03	8.02E-02	6.49E-02	5.34E+00	2.54E-01	2.87E-02	5.69E+00	6.30E-02	6.75E-05	2.54E-02	5.61E-03	9.41E-02
2535	497614.44	3858351.52	4.92E-02	5.58E-05	2.53E-02	5.61E-03	8.02E-02	6.50E-02	5.35E+00	2.53E-01	2.86E-02	5.70E+00	6.31E-02	6.76E-05	2.53E-02	5.61E-03	9.41E-02
2536	497364.44	3858401.52	5.17E-02	5.68E-05	2.95E-02	5.67E-03	8.69E-02	6.83E-02	5.45E+00	2.95E-01	2.90E-02	5.84E+00	6.62E-02	6.89E-05	2.95E-02	5.67E-03	1.01E-01
2537	497414.44	3858401.52	5.22E-02	5.71E-05	2.64E-02	5.67E-03	8.44E-02	6.89E-02	5.48E+00	2.64E-01	2.90E-02	5.84E+00	6.69E-02	6.92E-05	2.64E-02	5.67E-03	9.91E-02
2538	497464.44	3858401.52	5.15E-02	5.71E-05	2.53E-02	5.67E-03	8.26E-02	6.81E-02	5.47E+00	2.53E-01	2.90E-02	5.82E+00	6.61E-02	6.91E-05	2.53E-02	5.67E-03	9.71E-02
2539	497514.44	3858401.52	5.14E-02	5.71E-05	2.43E-02	5.67E-03	8.14E-02	6.79E-02	5.48E+00	2.43E-01	2.90E-02	5.82E+00	6.59E-02	6.92E-05	2.43E-02	5.67E-03	9.59E-02
2540	497564.44	3858401.52	5.37E-02	5.75E-05	3.00E-02	5.66E-03	8.94E-02	7.10E-02	5.51E+00	3.00E-01	2.89E-02	5.91E+00	6.89E-02	6.97E-05	3.00E-02	5.66E-03	1.05E-01
2541	497614.44	3858401.52	5.59E-02	5.78E-05	2.98E-02	5.65E-03	9.15E-02	7.39E-02	5.54E+00	2.98E-01	2.88E-02	5.94E+00	7.17E-02	7.00E-05	2.98E-02	5.65E-03	1.07E-01
2542	493478.11	3860497.94	2.44E-01	2.39E-04	4.12E-02	7.16E-03	2.93E-01	3.22E-01	2.29E+01	4.12E-01	3.66E-02	2.37E+01	3.13E-01	2.90E-04	4.12E-02	7.16E-03	3.62E-01
2543	493528.11	3860497.94	2.44E-01	2.36E-04	4.05E-02	7.17E-03	2.92E-01	3.23E-01	2.27E+01	4.05E-01	3.66E-02	2.34E+01	3.13E-01	2.86E-04	4.05E-02	7.17E-03	3.61E-01
2544	493478.11	3860547.94	2.37E-01	2.39E-04	4.18E-02	6.79E-03	2.86E-01	3.13E-01	2.29E+01	4.18E-01	3.47E-02	2.36E+01	3.04E-01	2.89E-04	4.18E-02	6.79E-03	3.53E-01
2545	493528.11	3860547.94	2.38E-01	2.36E-04	4.11E-02	6.81E-03	2.86E-01	3.15E-01	2.26E+01	4.11E-01	3.48E-02	2.34E+01	3.05E-01	2.86E-04	4.11E-02	6.81E-03	3.54E-01
2546	493478.11	3860597.94	2.29E-01	2.37E-04	4.20E-02	6.78E-03	2.78E-01	3.02E-01	2.27E+01	4.20E-01	3.46E-02	2.34E+01	2.93E-01	2.87E-04	4.20E-02	6.78E-03	3.42E-01
2547	493528.11	3860597.94	2.31E-01	2.34E-04	4.15E-02	6.76E-03	2.79E-01	3.05E-01	2.24E+01	4.15E-01	3.45E-02	2.32E+01	2.96E-01	2.83E-04	4.15E-02	6.76E-03	3.44E-01
2548	493561.88	3860524.64	2.42E-01	2.34E-04	4.04E-02	6.99E-03	2.89E-01	3.19E-01	2.25E+01	4.04E-01	3.57E-02	2.32E+01	3.10E-01	2.84E-04	4.04E-02	6.99E-03	3.57E-01
2549	493591.88	3860524.64	2.42E-01	2.32E-04	4.00E-02	6.99E-03	2.89E-01	3.20E-01	2.23E+01	4.00E-01	3.57E-02	2.30E+01	3.10E-01	2.82E-04	4.00E-02	6.99E-03	3.57E-01
2550	493561.88	3860554.64	2.38E-01	2.34E-04	4.08E-02	6.77E-03	2.86E-01	3.14E-01	2.24E+01	4.08E-01	3.46E-02	2.32E+01	3.05E-01	2.83E-04	4.08E-02	6.77E-03	3.53E-01
2551	493591.88	3860554.64	2.39E-01	2.32E-04	4.05E-02	6.77E-03	2.86E-01	3.16E-01	2.22E+01	4.05E-01	3.46E-02	2.30E+01	3.06E-01	2.81E-04	4.05E-02	6.77E-03	3.54E-01
2552	492880.5	3860293.11	2.50E-01	2.83E-04	4.56E-02	8.58E-03	3.05E-01	3.31E-01	2.71E+01	4.56E-01	4.38E-02	2.79E+01	3.21E-01	3.42E-04	4.56E-02	8.58E-03	3.75E-01
2553	492930.5	3860293.11	2.55E-01	2.81E-04	4.52E-02	8.56E-03	3.09E-01	3.36E-01	2.69E+01	4.52E-01	4.37E-02	2.78E+01	3.26E-01	3.40E-04	4.52E-02	8.56E-03	3.81E-01
2554	492980.5	3860293.11	2.58E-01	2.78E-04	4.48E-02	8.55E-03	3.12E-01	3.41E-01	2.67E+01	4.48E-01	4.37E-02	2.75E+01	3.31E-01	3.37E-04	4.48E-02	8.55E-03	3.85E-01
2555	493030.5	3860293.11	2.63E-01	2.72E-04	4.43E-02	8.51E-03	3.16E-01	3.47E-01	2.61E+01	4.43E-01	4.35E-02	2.70E+01	3.37E-01	3.30E-04	4.43E-02	8.51E-03	3.90E-01
2556	493080.5	3860293.11	2.67E-01	2.61E-04	4.33E-02	8.46E-03	3.19E-01	3.53E-01	2.51E+01	4.33E-01	4.32E-02	2.59E+01	3.42E-01	3.17E-04	4.33E-02	8.46E-03	3.94E-01
2557	493130.5	3860293.11	2.66E-01	2.67E-04	4.25E-02	8.49E-03	3.17E-01	3.52E-01	2.56E+01	4.25E-01	4.34E-02	2.64E+01	3.41E-01	3.23E-04	4.25E-02	8.49E-03	3.93E-01
2558	493180.5	3860293.11	2.65E-01	2.69E-04	4.28E-02	8.51E-03	3.17E-01	3.50E-01	2.58E+01	4.28E-01	4.34E-02	2.66E+01	3.40E-01	3.26E-04	4.28E-02	8.51E-03	3.91E-01

2559	493230.5	3860293.11	2.64E-01	2.68E-04	4.46E-02	8.50E-03	3.18E-01	3.49E-01	2.57E+01	4.46E-01	4.34E-02	2.65E+01	3.39E-01	3.24E-04	4.46E-02	8.50E-03	3.92E-01
2560	493280.5	3860293.11	2.64E-01	2.63E-04	4.50E-02	8.48E-03	3.18E-01	3.49E-01	2.52E+01	4.50E-01	4.33E-02	2.61E+01	3.39E-01	3.19E-04	4.50E-02	8.48E-03	3.93E-01
2561	493330.5	3860293.11	2.63E-01	2.60E-04	4.59E-02	8.47E-03	3.18E-01	3.47E-01	2.49E+01	4.59E-01	4.33E-02	2.58E+01	3.37E-01	3.15E-04	4.59E-02	8.47E-03	3.92E-01
2562	493380.5	3860293.11	2.61E-01	2.57E-04	4.69E-02	8.46E-03	3.16E-01	3.45E-01	2.47E+01	4.69E-01	4.32E-02	2.55E+01	3.34E-01	3.12E-04	4.69E-02	8.46E-03	3.90E-01
2563	492880.5	3860343.11	2.37E-01	2.76E-04	4.55E-02	8.24E-03	2.91E-01	3.13E-01	2.65E+01	4.55E-01	4.21E-02	2.73E+01	3.04E-01	3.34E-04	4.55E-02	8.24E-03	3.58E-01
2564	492930.5	3860343.11	2.42E-01	2.74E-04	4.53E-02	8.24E-03	2.96E-01	3.20E-01	2.63E+01	4.53E-01	4.21E-02	2.71E+01	3.11E-01	3.32E-04	4.53E-02	8.24E-03	3.65E-01
2565	492980.5	3860343.11	2.49E-01	2.70E-04	4.56E-02	8.20E-03	3.03E-01	3.29E-01	2.59E+01	4.56E-01	4.19E-02	2.68E+01	3.20E-01	3.27E-04	4.56E-02	8.20E-03	3.74E-01
2566	493030.5	3860343.11	2.53E-01	2.69E-04	4.51E-02	8.20E-03	3.06E-01	3.34E-01	2.58E+01	4.51E-01	4.19E-02	2.66E+01	3.24E-01	3.26E-04	4.51E-02	8.20E-03	3.78E-01
2567	493080.5	3860343.11	2.58E-01	2.62E-04	4.45E-02	8.16E-03	3.11E-01	3.41E-01	2.51E+01	4.45E-01	4.17E-02	2.59E+01	3.31E-01	3.17E-04	4.45E-02	8.16E-03	3.84E-01
2568	493130.5	3860343.11	2.59E-01	2.62E-04	4.38E-02	8.17E-03	3.12E-01	3.43E-01	2.51E+01	4.38E-01	4.17E-02	2.60E+01	3.32E-01	3.18E-04	4.38E-02	8.17E-03	3.85E-01
2569	493180.5	3860343.11	2.59E-01	2.65E-04	4.31E-02	8.20E-03	3.11E-01	3.42E-01	2.54E+01	4.31E-01	4.19E-02	2.62E+01	3.32E-01	3.21E-04	4.31E-02	8.20E-03	3.84E-01
2570	493230.5	3860343.11	2.60E-01	2.63E-04	4.22E-02	8.20E-03	3.10E-01	3.43E-01	2.53E+01	4.22E-01	4.19E-02	2.61E+01	3.33E-01	3.19E-04	4.22E-02	8.20E-03	3.84E-01
2571	493280.5	3860343.11	2.61E-01	2.60E-04	4.21E-02	8.18E-03	3.11E-01	3.45E-01	2.49E+01	4.21E-01	4.18E-02	2.57E+01	3.34E-01	3.15E-04	4.21E-02	8.18E-03	3.85E-01
2572	493330.5	3860343.11	2.61E-01	2.57E-04	4.30E-02	8.17E-03	3.12E-01	3.45E-01	2.46E+01	4.30E-01	4.17E-02	2.54E+01	3.34E-01	3.11E-04	4.30E-02	8.17E-03	3.86E-01
2573	493380.5	3860343.11	2.60E-01	2.55E-04	4.44E-02	8.17E-03	3.13E-01	3.43E-01	2.44E+01	4.44E-01	4.17E-02	2.53E+01	3.33E-01	3.09E-04	4.44E-02	8.17E-03	3.86E-01
2574	492880.5	3860393.11	2.23E-01	2.78E-04	4.50E-02	7.89E-03	2.76E-01	2.94E-01	2.66E+01	4.50E-01	4.03E-02	2.74E+01	2.85E-01	3.36E-04	4.50E-02	7.89E-03	3.39E-01
2575	492930.5	3860393.11	2.29E-01	2.74E-04	4.51E-02	7.88E-03	2.82E-01	3.03E-01	2.63E+01	4.51E-01	4.03E-02	2.71E+01	2.94E-01	3.32E-04	4.51E-02	7.88E-03	3.47E-01
2576	492980.5	3860393.11	2.36E-01	2.70E-04	4.52E-02	7.86E-03	2.89E-01	3.11E-01	2.58E+01	4.52E-01	4.02E-02	2.67E+01	3.02E-01	3.27E-04	4.52E-02	7.86E-03	3.56E-01
2577	493030.5	3860393.11	2.41E-01	2.65E-04	4.52E-02	7.85E-03	2.95E-01	3.19E-01	2.54E+01	4.52E-01	4.01E-02	2.62E+01	3.09E-01	3.21E-04	4.52E-02	7.85E-03	3.63E-01
2578	493080.5	3860393.11	2.47E-01	2.57E-04	4.52E-02	7.82E-03	3.01E-01	3.27E-01	2.47E+01	4.52E-01	4.00E-02	2.55E+01	3.17E-01	3.11E-04	4.52E-02	7.82E-03	3.71E-01
2579	493130.5	3860393.11	2.50E-01	2.58E-04	4.47E-02	7.84E-03	3.02E-01	3.30E-01	2.47E+01	4.47E-01	4.01E-02	2.56E+01	3.20E-01	3.13E-04	4.47E-02	7.84E-03	3.73E-01
2580	493180.5	3860393.11	2.51E-01	2.59E-04	4.37E-02	7.87E-03	3.03E-01	3.31E-01	2.49E+01	4.37E-01	4.02E-02	2.57E+01	3.22E-01	3.14E-04	4.37E-02	7.87E-03	3.73E-01
2581	493230.5	3860393.11	2.53E-01	2.58E-04	4.31E-02	7.87E-03	3.04E-01	3.34E-01	2.47E+01	4.31E-01	4.02E-02	2.55E+01	3.24E-01	3.12E-04	4.31E-02	7.87E-03	3.75E-01
2582	493280.5	3860393.11	2.55E-01	2.55E-04	4.27E-02	7.85E-03	3.06E-01	3.37E-01	2.44E+01	4.27E-01	4.01E-02	2.52E+01	3.27E-01	3.08E-04	4.27E-02	7.85E-03	3.78E-01
2583	493330.5	3860393.11	2.57E-01	2.52E-04	4.18E-02	7.84E-03	3.07E-01	3.39E-01	2.42E+01	4.18E-01	4.01E-02	2.50E+01	3.29E-01	3.05E-04	4.18E-02	7.84E-03	3.79E-01
2584	493380.5	3860393.11	2.57E-01	2.50E-04	4.14E-02	7.84E-03	3.06E-01	3.39E-01	2.40E+01	4.14E-01	4.01E-02	2.48E+01	3.29E-01	3.03E-04	4.14E-02	7.84E-03	3.79E-01
2585	492880.5	3860443.11	2.07E-01	2.79E-04	4.41E-02	7.51E-03	2.59E-01	2.74E-01	2.68E+01	4.41E-01	3.84E-02	2.75E+01	2.66E-01	3.38E-04	4.41E-02	7.51E-03	3.18E-01
2586	492930.5	3860443.11	2.14E-01	2.76E-04	4.43E-02	7.52E-03	2.66E-01	2.83E-01	2.64E+01	4.43E-01	3.84E-02	2.72E+01	2.74E-01	3.34E-04	4.43E-02	7.52E-03	3.26E-01
2587	492980.5	3860443.11	2.21E-01	2.72E-04	4.46E-02	7.51E-03	2.73E-01	2.92E-01	2.61E+01	4.46E-01	3.83E-02	2.68E+01	2.83E-01	3.29E-04	4.46E-02	7.51E-03	3.36E-01
2588	493030.5	3860443.11	2.28E-01	2.69E-04	4.47E-02	7.50E-03	2.80E-01	3.01E-01	2.58E+01	4.47E-01	3.83E-02	2.65E+01	2.92E-01	3.25E-04	4.47E-02	7.50E-03	3.45E-01
2589	493080.5	3860443.11	2.33E-01	2.65E-04	4.46E-02	7.50E-03	2.85E-01	3.08E-01	2.54E+01	4.46E-01	3.83E-02	2.62E+01	2.99E-01	3.21E-04	4.46E-02	7.50E-03	3.51E-01
2590	493130.5	3860443.11	2.38E-01	2.61E-04	4.44E-02	7.50E-03	2.90E-01	3.14E-01	2.50E+01	4.44E-01	3.83E-02	2.58E+01	3.05E-01	3.16E-04	4.44E-02	7.50E-03	3.57E-01
2591	493180.5	3860443.11	2.40E-01	2.58E-04	4.38E-02	7.53E-03	2.92E-01	3.17E-01	2.48E+01	4.38E-01	3.85E-02	2.56E+01	3.08E-01	3.13E-04	4.38E-02	7.53E-03	3.59E-01
2592	493230.5	3860443.11	2.44E-01	2.54E-04	4.37E-02	7.51E-03	2.96E-01	3.23E-01	2.43E+01	4.37E-01	3.84E-02	2.51E+01	3.13E-01	3.07E-04	4.37E-02	7.51E-03	3.65E-01
2593	493280.5	3860443.11	2.47E-01	2.50E-04	4.33E-02	7.51E-03	2.99E-01	3.27E-01	2.39E+01	4.33E-01	3.84E-02	2.47E+01	3.17E-01	3.02E-04	4.33E-02	7.51E-03	3.68E-01
2594	493330.5	3860443.11	2.50E-01	2.46E-04	4.29E-02	7.50E-03	3.01E-01	3.31E-01	2.36E+01	4.29E-01	3.83E-02	2.44E+01	3.21E-01	2.98E-04	4.29E-02	7.50E-03	3.72E-01
2595	493380.5	3860443.11	2.51E-01	2.45E-04	4.22E-02	7.51E-03	3.01E-01	3.32E-01	2.35E+01	4.22E-01	3.83E-02	2.43E+01	3.22E-01	2.97E-04	4.22E-02	7.51E-03	3.72E-01
2596	493180.5	3860493.11	2.29E-01	2.59E-04	4.38E-02	7.15E-03	2.80E-01	3.03E-01	2.48E+01	4.38E-01	3.65E-02	2.56E+01	2.94E-01	3.13E-04	4.38E-02	7.15E-03	3.45E-01
2597	493230.5	3860493.11	2.34E-01	2.55E-04	4.37E-02	7.15E-03	2.85E-01	3.09E-01	2.45E+01	4.37E-01	3.65E-02	2.52E+01	3.00E-01	3.09E-04	4.37E-02	7.15E-03	3.51E-01
2598	493280.5	3860493.11	2.38E-01	2.51E-04	4.36E-02	7.15E-03	2.89E-01	3.15E-01	2.41E+01	4.36E-01	3.65E-02	2.49E+01	3.05E-01	3.04E-04	4.36E-02	7.15E-03	3.56E-01
2599	493330.5	3860493.11	2.41E-01	2.47E-04	4.32E-02	7.15E-03	2.92E-01	3.19E-01	2.37E+01	4.32E-01	3.65E-02	2.45E+01	3.09E-01	3.00E-04	4.32E-02	7.15E-03	3.60E-01
2600	493380.5	3860493.11	2.43E-01	2.44E-04	4.26E-02	7.16E-03	2.93E-01	3.21E-01	2.34E+01	4.26E-01	3.66E-02	2.42E+01	3.12E-01	2.96E-04	4.26E-02	7.16E-03	3.62E-01
2601	493330.5	3860543.11	2.31E-01	2.47E-04	4.33E-02	6.86E-03	2.82E-01	3.06E-01	2.37E+01	4.33E-01	3.50E-02	2.45E+01	2.97E-01	3.00E-04	4.33E-02	6.86E-03	3.47E-01
2602	493380.5	3860543.11	2.34E-01	2.44E-04	4.29E-02	6.83E-03	2.84E-01	3.09E-01	2.34E+01	4.29E-01	3.49E-02	2.42E+01	3.00E-01	2.96E-04	4.29E-02	6.83E-03	3.50E-01
2603	494135.94	3860876.85	2.11E-01	1.92E-04	3.79E-02	7.03E-03	2.56E-01	2.79E-01	1.84E+01	3.79E-01	3.59E-02	1.91E+01	2.71E-01	2.32E-04	3.79E-02	7.03E-03	3.16E-01
2604	494185.94	3860876.85	2.12E-01	1.90E-04	3.74E-02	7.00E-03	2.57E-01	2.80E-01	1.82E+01	3.74E-01	3.57E-02	1.89E+01	2.72E-01	2.30E-04	3.74E-02	7.00E-03	3.17E-01
2605	494135.94	3860926.85	2.05E-01	1.88E-04	3.79E-02	7.15E-03	2.50E-01	2.71E-01	1.80E+01	3.79E-01	3.65E-02	1.87E+01	2.63E-01	2.28E-04	3.79E-02	7.15E-03	3.08E-01
2606	494185.94	3860926.85	2.07E-01	1.87E-04	3.77E-02	7.12E-03	2.51E-01	2.73E-01	1.79E+01	3.77E-01	3.64E-02	1.86E+01	2.65E-01	2.26E-04	3.77E-02	7.12E-03	3.10E-01
2607	494135.94	3860976.85	1.97E-01	1.87E-04	3.78E-02	7.26E-03	2.43E-01	2.61E-01	1.79E+01	3.78E-01	3.71E-02	1.86E+01	2.53E-01	2.27E-04	3.78E-02	7.26E-03	2.98E-01
2608	494185.94	3860976.85	2.00E-01	1.86E-04	3.76E-02	7.23E-03	2.45E-01	2.64E-01	1.78E+01	3.76E-01	3.69E-02	1.85E+01	2.56E-01	2.25E-04	3.76E-02	7.23E-03	3.01E-01
2609	494135.94	3861026.85	1.89E-01	1.85E-04	3.73E-02	7.36E-03	2.34E-01	2.49E-01	1.78E+01	3.73E-01	3.76E-02	1.84E+01	2.42E-01	2.24E-04	3.73E-02	7.36E-03	2.87E-01
2610	494185.94	3861026.85	1.92E-01	1.84E-04	3.73E-02	7.33E-03	2.37E-01	2.53E-01	1.76E+01	3.73E-01	3.75E-02	1.83E+01	2.46E-01	2.23E-04	3.73E-02	7.33E-03	2.91E-01
2611	494135.94	3861076.85	1.79E-01	1.86E-04	3.66E-02	7.45E-03	2.24E-01	2.37E-01	1.78E+01	3.66E-01	3.80E-02	1.85E+01	2.30E-01	2.25E-04	3.66E-02	7.45E-03	2.74E-01
2612	494185.94	3861076.85	1.83E-01	1.84E-04	3.67E-02	7.42E-03	2.27E-01	2.42E-01	1.76E+01	3.67E-01	3.79E-02	1.83E+01	2.35E-01	2.22E-04	3.67E-02	7.42E-03	2.79E-01
2613	490360.04	3858710.04	4.98E-01	5.36E-04	5.05E-02	7.77E-03	5.57E-01	6.58E-01	5.14E+01	5.05E-01	3.97E-02	5.26E+01	6.39E-01	6.50E-04	5.05E-02	7.77E-03	6.97E-01
2614	490410.04	3858710.04	4.93E-01	5.17E-04	5.08E-02	7.99E-03	5.52E-01	6.51E-01	4.95E+01	5.08E-01	4.08E-02	5.07E+01	6.31E-01	6.26E-04	5.08E-02	7.99E-03	6.91E-01
2615	490460.04	3858710.04	4.86E-01	4.87E-04	5.16E-02	8.34E-03	5.46E-01	6.42E-01	4.67E+01	5.16E-01	4.26E-02	4.79E+01	6.23E-01	5.90E-04	5.16E-02	8.34E-03	6.83E-01
2616	490510.04	3858710.04	4.76E-01	4.68E-04	5.23E-02	8.45E-03	5.38E-01	6.29E-01	4.49E+01	5.23E-01	4.32E-02	4.61E+01	6.11E-01	5.67E-04	5.23E-02	8.45E-03	6.72E-01
2617	490560.04	3858710.04	4.65E-01	4.53E-04	5.30E-02	8.49E-03	5.27E-01	6.15E-01	4.34E+01	5.30E-01	4.34E-02	4.46E+01	5.97E-01	5.49E-04	5.30E-02	8.49E-03	6.59E-01
2618	490610.04	3858710.04	4.53E-01	4.36E-04	5.36E-02	8.53E-03	5.16E-01	5.98E-01	4.18E+01	5.36E-01	4.36E-02	4.30E+01	5.81E-01	5.28E-04	5.36E-02	8.53E-03	6.43E-01
2619	490660.04	3858710.04	4.39E-01	4.29E-04	5.41E-02	8.39E-03	5.02E-01	5.80E-01	4.12E+01	5.41E-01	4.29E-02	4.23E+01	5.63E-01	5.20E-04	5.41E-02	8.39E-03	6.26E-01

2620	490710.04	3858710.04	4.25E-01	4.07E-04	5.45E-02	8.42E-03	4.89E-01	5.62E-01	3.90E+01	5.45E-01	4.30E-02	4.02E+01	5.45E-01	4.93E-04	5.45E-02	8.42E-03	6.09E-01
2621	490760.04	3858710.04	4.10E-01	3.89E-04	5.48E-02	8.57E-03	4.74E-01	5.42E-01	3.73E+01	5.48E-01	4.38E-02	3.84E+01	5.26E-01	4.71E-04	5.48E-02	8.57E-03	5.90E-01
2622	490810.04	3858710.04	3.95E-01	3.72E-04	5.50E-02	8.70E-03	4.59E-01	5.22E-01	3.56E+01	5.50E-01	4.44E-02	3.67E+01	5.06E-01	4.50E-04	5.50E-02	8.70E-03	5.71E-01
2623	490860.04	3858710.04	3.96E-01	3.49E-04	5.52E-02	9.30E-03	4.61E-01	5.23E-01	3.35E+01	5.52E-01	4.75E-02	3.46E+01	5.07E-01	4.23E-04	5.52E-02	9.30E-03	5.72E-01
2624	490360.04	3858760.04	4.94E-01	5.54E-04	5.10E-02	8.02E-03	5.53E-01	6.52E-01	5.32E+01	5.10E-01	4.10E-02	5.44E+01	6.33E-01	6.72E-04	5.10E-02	8.02E-03	6.92E-01
2625	490410.04	3858760.04	4.92E-01	5.30E-04	5.01E-02	8.22E-03	5.51E-01	6.50E-01	5.08E+01	5.01E-01	4.20E-02	5.20E+01	6.31E-01	6.42E-04	5.01E-02	8.22E-03	6.90E-01
2626	490460.04	3858760.04	4.89E-01	5.02E-04	4.92E-02	8.44E-03	5.47E-01	6.46E-01	4.82E+01	4.92E-01	4.31E-02	4.94E+01	6.27E-01	6.09E-04	4.92E-02	8.44E-03	6.85E-01
2627	490510.04	3858760.04	4.83E-01	4.74E-04	4.80E-02	8.64E-03	5.40E-01	6.38E-01	4.55E+01	4.80E-01	4.41E-02	4.66E+01	6.20E-01	5.75E-04	4.80E-02	8.64E-03	6.77E-01
2628	490560.04	3858760.04	4.76E-01	4.54E-04	4.78E-02	8.70E-03	5.33E-01	6.28E-01	4.35E+01	4.78E-01	4.44E-02	4.47E+01	6.10E-01	5.50E-04	4.78E-02	8.70E-03	6.67E-01
2629	490610.04	3858760.04	4.66E-01	4.32E-04	4.89E-02	8.74E-03	5.24E-01	6.16E-01	4.14E+01	4.89E-01	4.46E-02	4.26E+01	5.98E-01	5.23E-04	4.89E-02	8.74E-03	6.56E-01
2630	490660.04	3858760.04	4.55E-01	4.14E-04	4.96E-02	8.67E-03	5.14E-01	6.01E-01	3.97E+01	4.96E-01	4.43E-02	4.08E+01	5.84E-01	5.01E-04	4.96E-02	8.67E-03	6.42E-01
2631	490710.04	3858760.04	4.43E-01	3.95E-04	5.01E-02	8.79E-03	5.02E-01	5.85E-01	3.79E+01	5.01E-01	4.49E-02	3.90E+01	5.68E-01	4.79E-04	5.01E-02	8.79E-03	6.27E-01
2632	490760.04	3858760.04	4.30E-01	3.73E-04	5.05E-02	9.11E-03	4.90E-01	5.68E-01	3.58E+01	5.05E-01	4.65E-02	3.69E+01	5.51E-01	4.52E-04	5.05E-02	9.11E-03	6.11E-01
2633	490810.04	3858760.04	4.16E-01	3.54E-04	5.09E-02	9.53E-03	4.77E-01	5.50E-01	3.39E+01	5.09E-01	4.87E-02	3.50E+01	5.34E-01	4.28E-04	5.09E-02	9.53E-03	5.94E-01
2634	490860.04	3858760.04	4.01E-01	3.38E-04	5.14E-02	9.78E-03	4.63E-01	5.30E-01	3.24E+01	5.14E-01	5.00E-02	3.35E+01	5.15E-01	4.10E-04	5.14E-02	9.78E-03	5.76E-01
2635	490360.04	3858810.04	4.82E-01	5.63E-04	4.93E-02	8.35E-03	5.40E-01	6.37E-01	5.40E+01	4.93E-01	4.27E-02	5.51E+01	6.18E-01	6.82E-04	4.93E-02	8.35E-03	6.77E-01
2636	490410.04	3858810.04	4.85E-01	5.34E-04	4.92E-02	8.55E-03	5.43E-01	6.41E-01	5.12E+01	4.92E-01	4.37E-02	5.24E+01	6.22E-01	6.47E-04	4.92E-02	8.55E-03	6.80E-01
2637	490460.04	3858810.04	4.86E-01	5.05E-04	4.91E-02	8.73E-03	5.44E-01	6.41E-01	4.84E+01	4.91E-01	4.46E-02	4.96E+01	6.23E-01	6.12E-04	4.91E-02	8.73E-03	6.81E-01
2638	490510.04	3858810.04	4.83E-01	4.84E-04	4.88E-02	8.76E-03	5.41E-01	6.38E-01	4.65E+01	4.88E-01	4.48E-02	4.76E+01	6.20E-01	5.87E-04	4.88E-02	8.76E-03	6.78E-01
2639	490560.04	3858810.04	4.79E-01	4.62E-04	4.82E-02	8.75E-03	5.36E-01	6.33E-01	4.43E+01	4.82E-01	4.47E-02	4.55E+01	6.14E-01	5.60E-04	4.82E-02	8.75E-03	6.72E-01
2640	490610.04	3858810.04	4.73E-01	4.33E-04	4.74E-02	8.76E-03	5.30E-01	6.25E-01	4.15E+01	4.74E-01	4.47E-02	4.27E+01	6.07E-01	5.24E-04	4.74E-02	8.76E-03	6.63E-01
2641	490660.04	3858810.04	4.65E-01	4.11E-04	4.80E-02	8.86E-03	5.22E-01	6.14E-01	3.94E+01	4.80E-01	4.53E-02	4.05E+01	5.96E-01	4.98E-04	4.80E-02	8.86E-03	6.54E-01
2642	490710.04	3858810.04	4.56E-01	3.87E-04	4.95E-02	9.11E-03	5.15E-01	6.02E-01	3.71E+01	4.95E-01	4.66E-02	3.83E+01	5.84E-01	4.69E-04	4.95E-02	9.11E-03	6.43E-01
2643	490760.04	3858810.04	4.45E-01	3.57E-04	5.11E-02	9.74E-03	5.06E-01	5.88E-01	3.43E+01	5.11E-01	4.98E-02	3.54E+01	5.71E-01	4.33E-04	5.11E-02	9.74E-03	6.32E-01
2644	490810.04	3858810.04	4.33E-01	3.48E-04	5.18E-02	9.70E-03	4.95E-01	5.72E-01	3.34E+01	5.18E-01	4.95E-02	3.45E+01	5.55E-01	4.22E-04	5.18E-02	9.70E-03	6.17E-01
2645	490860.04	3858810.04	4.20E-01	3.27E-04	5.26E-02	9.99E-03	4.83E-01	5.55E-01	3.13E+01	5.26E-01	5.10E-02	3.25E+01	5.39E-01	3.96E-04	5.26E-02	9.99E-03	6.02E-01
2646	490360.04	3858860.04	4.64E-01	5.59E-04	4.75E-02	8.79E-03	5.21E-01	6.14E-01	5.36E+01	4.75E-01	4.49E-02	5.48E+01	5.95E-01	6.77E-04	4.75E-02	8.79E-03	6.52E-01
2647	490410.04	3858860.04	4.70E-01	5.43E-04	4.60E-02	8.80E-03	5.26E-01	6.21E-01	5.21E+01	4.60E-01	4.49E-02	5.32E+01	6.03E-01	6.58E-04	4.60E-02	8.80E-03	6.58E-01
2648	490460.04	3858860.04	4.75E-01	5.08E-04	4.66E-02	8.94E-03	5.31E-01	6.27E-01	4.88E+01	4.66E-01	4.57E-02	4.99E+01	6.09E-01	6.16E-04	4.66E-02	8.94E-03	6.65E-01
2649	490510.04	3858860.04	4.76E-01	4.95E-04	4.72E-02	8.79E-03	5.32E-01	6.29E-01	4.74E+01	4.72E-01	4.49E-02	4.86E+01	6.10E-01	5.99E-04	4.72E-02	8.79E-03	6.67E-01
2650	490560.04	3858860.04	4.76E-01	4.66E-04	4.76E-02	8.74E-03	5.33E-01	6.29E-01	4.47E+01	4.76E-01	4.47E-02	4.59E+01	6.10E-01	5.65E-04	4.76E-02	8.74E-03	6.67E-01
2651	490610.04	3858860.04	4.74E-01	4.28E-04	4.83E-02	8.98E-03	5.32E-01	6.26E-01	4.10E+01	4.83E-01	4.59E-02	4.22E+01	6.08E-01	5.18E-04	4.83E-02	8.98E-03	6.65E-01
2652	490660.04	3858860.04	4.69E-01	4.06E-04	4.83E-02	9.09E-03	5.27E-01	6.20E-01	3.90E+01	4.83E-01	4.64E-02	4.01E+01	6.02E-01	4.92E-04	4.83E-02	9.09E-03	6.59E-01
2653	490710.04	3858860.04	4.63E-01	3.92E-04	4.76E-02	9.08E-03	5.20E-01	6.11E-01	3.76E+01	4.76E-01	4.64E-02	3.87E+01	5.93E-01	4.75E-04	4.76E-02	9.08E-03	6.50E-01
2654	490760.04	3858860.04	4.55E-01	3.62E-04	4.79E-02	9.48E-03	5.12E-01	6.01E-01	3.47E+01	4.79E-01	4.84E-02	3.59E+01	5.83E-01	4.39E-04	4.79E-02	9.48E-03	6.41E-01
2655	490810.04	3858860.04	4.45E-01	3.37E-04	5.00E-02	9.77E-03	5.05E-01	5.88E-01	3.23E+01	5.00E-01	4.99E-02	3.34E+01	5.71E-01	4.08E-04	5.00E-02	9.77E-03	6.31E-01
2656	490860.04	3858860.04	4.34E-01	3.12E-04	5.20E-02	1.01E-02	4.97E-01	5.74E-01	2.99E+01	5.20E-01	5.13E-02	3.11E+01	5.57E-01	3.78E-04	5.20E-02	1.01E-02	6.19E-01
2657	490360.04	3858910.04	4.37E-01	5.82E-04	5.06E-02	8.90E-03	4.98E-01	5.78E-01	5.58E+01	5.06E-01	4.55E-02	5.70E+01	5.61E-01	7.05E-04	5.06E-02	8.90E-03	6.21E-01
2658	490410.04	3858910.04	4.48E-01	5.55E-04	4.97E-02	8.91E-03	5.07E-01	5.92E-01	5.32E+01	4.97E-01	4.55E-02	5.43E+01	5.74E-01	6.72E-04	4.97E-02	8.91E-03	6.34E-01
2659	490460.04	3858910.04	4.56E-01	5.25E-04	4.83E-02	8.88E-03	5.14E-01	6.03E-01	5.04E+01	4.83E-01	4.53E-02	5.15E+01	5.85E-01	6.36E-04	4.83E-02	8.88E-03	6.43E-01
2660	490510.04	3858910.04	4.62E-01	4.94E-04	4.66E-02	8.81E-03	5.18E-01	6.11E-01	4.73E+01	4.66E-01	4.50E-02	4.85E+01	5.93E-01	5.98E-04	4.66E-02	8.81E-03	6.49E-01
2661	490560.04	3858910.04	4.66E-01	4.61E-04	4.69E-02	8.96E-03	5.23E-01	6.16E-01	4.42E+01	4.69E-01	4.57E-02	4.53E+01	5.98E-01	5.58E-04	4.69E-02	8.96E-03	6.54E-01
2662	490610.04	3858910.04	4.68E-01	4.28E-04	4.87E-02	9.16E-03	5.26E-01	6.18E-01	4.11E+01	4.87E-01	4.68E-02	4.22E+01	6.00E-01	5.19E-04	4.87E-02	9.16E-03	6.58E-01
2663	490660.04	3858910.04	4.67E-01	4.05E-04	4.99E-02	9.21E-03	5.26E-01	6.16E-01	3.89E+01	4.99E-01	4.71E-02	4.00E+01	5.98E-01	4.91E-04	4.99E-02	9.21E-03	6.58E-01
2664	490710.04	3858910.04	4.64E-01	3.78E-04	5.09E-02	9.26E-03	5.24E-01	6.12E-01	3.63E+01	5.09E-01	4.73E-02	3.75E+01	5.94E-01	4.58E-04	5.09E-02	9.26E-03	6.55E-01
2665	490760.04	3858910.04	4.59E-01	3.47E-04	5.19E-02	9.56E-03	5.20E-01	6.06E-01	3.33E+01	5.19E-01	4.88E-02	3.44E+01	5.88E-01	4.20E-04	5.19E-02	9.56E-03	6.50E-01
2666	490810.04	3858910.04	4.52E-01	3.28E-04	5.18E-02	9.62E-03	5.14E-01	5.97E-01	3.14E+01	5.18E-01	4.91E-02	3.26E+01	5.79E-01	3.97E-04	5.18E-02	9.62E-03	6.41E-01
2667	490860.04	3858910.04	4.43E-01	3.16E-04	5.20E-02	9.95E-03	5.06E-01	5.86E-01	3.03E+01	5.20E-01	5.08E-02	3.14E+01	5.68E-01	3.83E-04	5.20E-02	9.95E-03	6.31E-01
2668	490360.04	3858960.04	4.06E-01	5.84E-04	5.28E-02	9.04E-03	4.69E-01	5.37E-01	5.60E+01	5.28E-01	4.62E-02	5.71E+01	5.21E-01	7.07E-04	5.28E-02	9.04E-03	5.83E-01
2669	490410.04	3858960.04	4.21E-01	5.50E-04	5.08E-02	9.00E-03	4.81E-01	5.56E-01	5.28E+01	5.08E-01	4.60E-02	5.39E+01	5.39E-01	6.67E-04	5.08E-02	9.00E-03	6.00E-01
2670	490460.04	3858960.04	4.33E-01	5.15E-04	5.06E-02	8.91E-03	4.93E-01	5.72E-01	4.93E+01	5.06E-01	4.55E-02	5.05E+01	5.55E-01	6.23E-04	5.06E-02	8.91E-03	6.15E-01
2671	490510.04	3858960.04	4.43E-01	4.85E-04	5.00E-02	9.08E-03	5.02E-01	5.85E-01	4.65E+01	5.00E-01	4.64E-02	4.76E+01	5.67E-01	5.87E-04	5.00E-02	9.08E-03	6.27E-01
2672	490560.04	3858960.04	4.50E-01	4.56E-04	4.89E-02	9.19E-03	5.08E-01	5.94E-01	4.37E+01	4.89E-01	4.69E-02	4.49E+01	5.77E-01	5.53E-04	4.89E-02	9.19E-03	6.35E-01
2673	490610.04	3858960.04	4.55E-01	4.18E-04	4.91E-02	9.34E-03	5.14E-01	6.01E-01	4.01E+01	4.91E-01	4.77E-02	4.12E+01	5.83E-01	5.06E-04	4.91E-02	9.34E-03	6.42E-01
2674	490660.04	3858960.04	4.57E-01	4.05E-04	4.87E-02	9.18E-03	5.16E-01	6.04E-01	3.88E+01	4.87E-01	4.69E-02	4.00E+01	5.86E-01	4.90E-04	4.87E-02	9.18E-03	6.45E-01
2675	490710.04	3858960.04	4.58E-01	3.70E-04	5.06E-02	9.23E-03	5.18E-01	6.05E-01	3.55E+01	5.06E-01	4.71E-02	3.67E+01	5.87E-01	4.49E-04	5.06E-02	9.23E-03	6.47E-01
2676	490760.04	3858960.04	4.56E-01	3.43E-04	5.26E-02	9.29E-03	5.19E-01	6.03E-01	3.29E+01	5.26E-01	4.74E-02	3.40E+01	5.85E-01	4.15E-04	5.26E-02	9.29E-03	6.47E-01
2677	490810.04	3858960.04	4.53E-01	3.31E-04	5.43E-02	9.52E-03	5.17E-01	5.98E-01	3.18E+01	5.43E-01	4.86E-02	3.30E+01	5.80E-01	4.01E-04	5.43E-02	9.52E-03	6.44E-01
2678	490860.04	3858960.04	4.47E-01	3.18E-04	5.59E-02	9.88E-03	5.13E-01	5.91E-01	3.05E+01	5.59E-01	5.05E-02	3.17E+01	5.73E-01	3.86E-04	5.59E-02	9.88E-03	6.39E-01
2679	490360.04	3859010.04	3.70E-01	5.82E-04	5.74E-02	9.10E-03	4.37E-01	4.89E-01	5.58E+01	5.74E-01	4.65E-02	5.69E+01	4.75E-01	7.05E-04	5.74E-02	9.10E-03	5.42E-01
2680	490410.04	3859010.04	3.88E-01	5.44E-04	5.54E-02	9.01E-03	4.53E-01	5.12E-01	5.22E+01	5.54E-01	4.60E-02	5.33E+01	4.97E-01	6.59E-04	5.54E-02	9.01E-03	5.62E-01

2681	490460.04	3859010.04	4.04E-01	4.99E-04	5.32E-02	9.28E-03	4.67E-01	5.33E-01	4.79E+01	5.32E-01	4.74E-02	4.90E+01	5.18E-01	6.05E-04	5.32E-02	9.28E-03	5.81E-01
2682	490510.04	3859010.04	4.17E-01	4.58E-04	5.08E-02	9.44E-03	4.78E-01	5.51E-01	4.39E+01	5.08E-01	4.82E-02	4.50E+01	5.35E-01	5.55E-04	5.08E-02	9.44E-03	5.95E-01
2683	490560.04	3859010.04	4.27E-01	4.41E-04	5.08E-02	9.34E-03	4.88E-01	5.64E-01	4.23E+01	5.08E-01	4.77E-02	4.34E+01	5.48E-01	5.34E-04	5.08E-02	9.34E-03	6.09E-01
2684	490610.04	3859010.04	4.36E-01	4.04E-04	5.06E-02	9.37E-03	4.96E-01	5.76E-01	3.87E+01	5.06E-01	4.79E-02	3.99E+01	5.59E-01	4.89E-04	5.06E-02	9.37E-03	6.19E-01
2685	490660.04	3859010.04	4.42E-01	3.93E-04	5.09E-02	9.11E-03	5.02E-01	5.84E-01	3.77E+01	5.09E-01	4.65E-02	3.88E+01	5.67E-01	4.76E-04	5.09E-02	9.11E-03	6.27E-01
2686	490710.04	3859010.04	4.46E-01	3.57E-04	5.25E-02	9.05E-03	5.08E-01	5.89E-01	3.43E+01	5.25E-01	4.62E-02	3.54E+01	5.72E-01	4.33E-04	5.25E-02	9.05E-03	6.34E-01
2687	490760.04	3859010.04	4.48E-01	3.44E-04	5.34E-02	9.30E-03	5.11E-01	5.91E-01	3.30E+01	5.34E-01	4.75E-02	3.41E+01	5.74E-01	4.16E-04	5.34E-02	9.30E-03	6.37E-01
2688	490810.04	3859010.04	4.47E-01	3.31E-04	5.38E-02	9.81E-03	5.11E-01	5.91E-01	3.17E+01	5.38E-01	5.01E-02	3.29E+01	5.73E-01	4.01E-04	5.38E-02	9.81E-03	6.37E-01
2689	490860.04	3859010.04	4.45E-01	3.20E-04	5.58E-02	1.04E-02	5.11E-01	5.88E-01	3.06E+01	5.58E-01	5.30E-02	3.18E+01	5.70E-01	3.87E-04	5.58E-02	1.04E-02	6.37E-01
2690	490360.04	3859060.04	3.32E-01	5.70E-04	6.06E-02	9.27E-03	4.02E-01	4.38E-01	5.47E+01	6.06E-01	4.74E-02	5.58E+01	4.25E-01	6.91E-04	6.06E-02	9.27E-03	4.96E-01
2691	490410.04	3859060.04	3.52E-01	5.17E-04	5.92E-02	9.39E-03	4.21E-01	4.65E-01	4.96E+01	5.92E-01	4.80E-02	5.07E+01	4.51E-01	6.27E-04	5.92E-02	9.39E-03	5.20E-01
2692	490460.04	3859060.04	3.70E-01	4.79E-04	5.75E-02	9.46E-03	4.37E-01	4.89E-01	4.59E+01	5.75E-01	4.83E-02	4.70E+01	4.74E-01	5.80E-04	5.75E-02	9.46E-03	5.42E-01
2693	490510.04	3859060.04	3.86E-01	4.48E-04	5.56E-02	9.44E-03	4.51E-01	5.09E-01	4.29E+01	5.56E-01	4.82E-02	4.41E+01	4.94E-01	5.42E-04	5.56E-02	9.44E-03	5.60E-01
2694	490560.04	3859060.04	4.00E-01	4.10E-04	5.35E-02	9.42E-03	4.63E-01	5.28E-01	3.93E+01	5.35E-01	4.81E-02	4.04E+01	5.12E-01	4.96E-04	5.35E-02	9.42E-03	5.76E-01
2695	490610.04	3859060.04	4.11E-01	3.89E-04	5.12E-02	9.20E-03	4.72E-01	5.43E-01	3.73E+01	5.12E-01	4.70E-02	3.84E+01	5.27E-01	4.71E-04	5.12E-02	9.20E-03	5.88E-01
2696	490660.04	3859060.04	4.20E-01	3.71E-04	5.29E-02	8.91E-03	4.83E-01	5.55E-01	3.56E+01	5.29E-01	4.55E-02	3.67E+01	5.39E-01	4.49E-04	5.29E-02	8.91E-03	6.01E-01
2697	490710.04	3859060.04	4.28E-01	3.54E-04	5.63E-02	9.20E-03	4.93E-01	5.65E-01	3.39E+01	5.63E-01	4.70E-02	3.51E+01	5.48E-01	4.28E-04	5.63E-02	9.20E-03	6.14E-01
2698	490760.04	3859060.04	4.33E-01	3.40E-04	5.86E-02	9.56E-03	5.01E-01	5.71E-01	3.26E+01	5.86E-01	4.88E-02	3.38E+01	5.55E-01	4.12E-04	5.86E-02	9.56E-03	6.23E-01
2699	490810.04	3859060.04	4.36E-01	3.26E-04	6.03E-02	1.00E-02	5.06E-01	5.75E-01	3.13E+01	6.03E-01	5.13E-02	3.25E+01	5.58E-01	3.95E-04	6.03E-02	1.00E-02	6.29E-01
2700	490860.04	3859060.04	4.64E-01	3.14E-04	6.07E-02	1.03E-02	5.36E-01	6.13E-01	3.01E+01	6.07E-01	5.26E-02	3.14E+01	5.95E-01	3.81E-04	6.07E-02	1.03E-02	6.67E-01
2701	490360.04	3859110.04	2.91E-01	5.66E-04	6.20E-02	9.43E-03	3.63E-01	3.84E-01	5.43E+01	6.20E-01	4.82E-02	5.54E+01	3.73E-01	6.86E-04	6.20E-02	9.43E-03	4.45E-01
2702	490410.04	3859110.04	3.12E-01	5.13E-04	6.14E-02	9.36E-03	3.84E-01	4.13E-01	4.92E+01	6.14E-01	4.78E-02	5.03E+01	4.01E-01	6.22E-04	6.14E-02	9.36E-03	4.72E-01
2703	490460.04	3859110.04	3.32E-01	4.82E-04	6.04E-02	9.27E-03	4.02E-01	4.38E-01	4.62E+01	6.04E-01	4.73E-02	4.73E+01	4.26E-01	5.83E-04	6.04E-02	9.27E-03	4.96E-01
2704	490510.04	3859110.04	3.51E-01	4.22E-04	5.90E-02	9.34E-03	4.19E-01	4.63E-01	4.05E+01	5.90E-01	4.77E-02	4.16E+01	4.49E-01	5.11E-04	5.90E-02	9.34E-03	5.18E-01
2705	490560.04	3859110.04	3.67E-01	3.91E-04	5.74E-02	9.15E-03	4.34E-01	4.85E-01	3.75E+01	5.74E-01	4.68E-02	3.86E+01	4.70E-01	4.74E-04	5.74E-02	9.15E-03	5.37E-01
2706	490610.04	3859110.04	3.81E-01	3.69E-04	5.56E-02	9.08E-03	4.46E-01	5.04E-01	3.54E+01	5.56E-01	4.64E-02	3.65E+01	4.89E-01	4.47E-04	5.56E-02	9.08E-03	5.54E-01
2707	490660.04	3859110.04	3.93E-01	3.53E-04	5.53E-02	9.43E-03	4.58E-01	5.20E-01	3.39E+01	5.53E-01	4.82E-02	3.50E+01	5.04E-01	4.28E-04	5.53E-02	9.43E-03	5.70E-01
2708	490710.04	3859110.04	4.04E-01	3.44E-04	5.91E-02	9.53E-03	4.73E-01	5.33E-01	3.30E+01	5.91E-01	4.87E-02	3.41E+01	5.18E-01	4.16E-04	5.91E-02	9.53E-03	5.87E-01
2709	490760.04	3859110.04	4.12E-01	3.31E-04	6.33E-02	9.73E-03	4.85E-01	5.44E-01	3.18E+01	6.33E-01	4.97E-02	3.30E+01	5.28E-01	4.01E-04	6.33E-02	9.73E-03	6.02E-01
2710	490810.04	3859110.04	4.42E-01	3.16E-04	6.76E-02	1.02E-02	5.21E-01	5.84E-01	3.03E+01	6.76E-01	5.21E-02	3.17E+01	5.67E-01	3.83E-04	6.76E-02	1.02E-02	6.46E-01
2711	490860.04	3859110.04	4.56E-01	3.03E-04	7.10E-02	1.18E-02	5.40E-01	6.03E-01	2.90E+01	7.10E-01	6.05E-02	3.04E+01	5.85E-01	3.67E-04	7.10E-02	1.18E-02	6.68E-01
2712	490360.04	3859160.04	2.58E-01	5.66E-04	6.38E-02	9.56E-03	3.32E-01	3.41E-01	5.43E+01	6.38E-01	4.88E-02	5.53E+01	3.31E-01	6.85E-04	6.38E-02	9.56E-03	4.05E-01
2713	490410.04	3859160.04	2.72E-01	5.15E-04	6.19E-02	9.39E-03	3.44E-01	3.59E-01	4.94E+01	6.19E-01	4.80E-02	5.04E+01	3.49E-01	6.24E-04	6.19E-02	9.39E-03	4.21E-01
2714	490460.04	3859160.04	2.93E-01	4.73E-04	6.17E-02	9.22E-03	3.64E-01	3.87E-01	4.53E+01	6.17E-01	4.71E-02	4.64E+01	3.75E-01	5.73E-04	6.17E-02	9.22E-03	4.47E-01
2715	490510.04	3859160.04	3.12E-01	4.31E-04	6.11E-02	9.13E-03	3.83E-01	4.13E-01	4.13E+01	6.11E-01	4.67E-02	4.24E+01	4.01E-01	5.22E-04	6.11E-02	9.13E-03	4.71E-01
2716	490560.04	3859160.04	3.31E-01	3.82E-04	6.01E-02	9.25E-03	4.01E-01	4.37E-01	3.66E+01	6.01E-01	4.72E-02	3.77E+01	4.24E-01	4.63E-04	6.01E-02	9.25E-03	4.94E-01
2717	490610.04	3859160.04	3.47E-01	3.68E-04	5.88E-02	9.34E-03	4.16E-01	4.59E-01	3.53E+01	5.88E-01	4.77E-02	3.64E+01	4.45E-01	4.46E-04	5.88E-02	9.34E-03	5.14E-01
2718	490660.04	3859160.04	3.62E-01	3.41E-04	5.72E-02	9.66E-03	4.29E-01	4.78E-01	3.27E+01	5.72E-01	4.93E-02	3.38E+01	4.64E-01	4.13E-04	5.72E-02	9.66E-03	5.31E-01
2719	490710.04	3859160.04	3.75E-01	3.31E-04	5.65E-02	1.03E-02	4.42E-01	4.95E-01	3.17E+01	5.65E-01	5.24E-02	3.28E+01	4.81E-01	4.01E-04	5.65E-02	1.03E-02	5.48E-01
2720	490760.04	3859160.04	4.05E-01	3.12E-04	6.47E-02	1.24E-02	4.82E-01	5.35E-01	3.00E+01	6.47E-01	6.31E-02	3.12E+01	5.19E-01	3.78E-04	6.47E-02	1.24E-02	5.96E-01
2721	490810.04	3859160.04	4.21E-01	3.02E-04	6.98E-02	1.36E-02	5.05E-01	5.56E-01	2.90E+01	6.98E-01	6.96E-02	3.03E+01	5.40E-01	3.66E-04	6.98E-02	1.36E-02	6.23E-01
2722	490860.04	3859160.04	4.35E-01	2.92E-04	7.45E-02	1.50E-02	5.25E-01	5.75E-01	2.80E+01	7.45E-01	7.66E-02	2.94E+01	5.58E-01	3.53E-04	7.45E-02	1.50E-02	6.48E-01
2723	490360.04	3859210.04	2.63E-01	5.62E-04	6.78E-02	9.68E-03	3.41E-01	3.47E-01	5.39E+01	6.78E-01	4.95E-02	5.50E+01	3.37E-01	6.81E-04	6.78E-02	9.68E-03	4.15E-01
2724	490410.04	3859210.04	2.56E-01	5.35E-04	6.51E-02	9.53E-03	3.32E-01	3.39E-01	5.13E+01	6.51E-01	4.87E-02	5.24E+01	3.29E-01	6.49E-04	6.51E-02	9.53E-03	4.04E-01
2725	490460.04	3859210.04	2.53E-01	4.62E-04	6.21E-02	9.37E-03	3.25E-01	3.35E-01	4.43E+01	6.21E-01	4.79E-02	4.53E+01	3.25E-01	5.60E-04	6.21E-02	9.37E-03	3.97E-01
2726	490510.04	3859210.04	2.74E-01	4.20E-04	6.15E-02	9.38E-03	3.45E-01	3.62E-01	4.03E+01	6.15E-01	4.79E-02	4.13E+01	3.51E-01	5.09E-04	6.15E-02	9.38E-03	4.22E-01
2727	490560.04	3859210.04	2.93E-01	3.93E-04	6.13E-02	9.46E-03	3.64E-01	3.87E-01	3.76E+01	6.13E-01	4.83E-02	3.87E+01	3.76E-01	4.76E-04	6.13E-02	9.46E-03	4.47E-01
2728	490610.04	3859210.04	3.11E-01	3.62E-04	6.07E-02	9.54E-03	3.82E-01	4.11E-01	3.47E+01	6.07E-01	4.87E-02	3.58E+01	3.99E-01	4.39E-04	6.07E-02	9.54E-03	4.70E-01
2729	490660.04	3859210.04	3.28E-01	3.37E-04	5.97E-02	1.03E-02	3.98E-01	4.33E-01	3.23E+01	5.97E-01	5.27E-02	3.34E+01	4.20E-01	4.08E-04	5.97E-02	1.03E-02	4.91E-01
2730	490710.04	3859210.04	3.43E-01	3.23E-04	5.85E-02	1.16E-02	4.14E-01	4.53E-01	3.10E+01	5.85E-01	5.93E-02	3.21E+01	4.40E-01	3.91E-04	5.85E-02	1.16E-02	5.10E-01
2731	490760.04	3859210.04	3.69E-01	3.05E-04	5.69E-02	1.40E-02	4.40E-01	4.87E-01	2.93E+01	5.69E-01	7.17E-02	3.04E+01	4.73E-01	3.69E-04	5.69E-02	1.40E-02	5.44E-01
2732	490810.04	3859210.04	3.85E-01	3.01E-04	6.02E-02	1.43E-02	4.60E-01	5.09E-01	2.89E+01	6.02E-01	7.30E-02	3.01E+01	4.94E-01	3.65E-04	6.02E-02	1.43E-02	5.69E-01
2733	490860.04	3859210.04	4.01E-01	2.96E-04	6.43E-02	1.46E-02	4.80E-01	5.29E-01	2.84E+01	6.43E-01	7.44E-02	2.97E+01	5.14E-01	3.59E-04	6.43E-02	1.46E-02	5.93E-01
2734	490360.04	3859260.04	2.65E-01	5.48E-04	7.03E-02	9.79E-03	3.45E-01	3.50E-01	5.26E+01	7.03E-01	5.00E-02	5.37E+01	3.39E-01	6.64E-04	7.03E-02	9.79E-03	4.20E-01
2735	490410.04	3859260.04	2.61E-01	5.15E-04	6.83E-02	9.66E-03	3.39E-01	3.44E-01	4.94E+01	6.83E-01	4.93E-02	5.04E+01	3.34E-01	6.23E-04	6.83E-02	9.66E-03	4.13E-01
2736	490460.04	3859260.04	2.55E-01	4.90E-04	6.60E-02	9.53E-03	3.31E-01	3.37E-01	4.70E+01	6.60E-01	4.87E-02	4.80E+01	3.27E-01	5.93E-04	6.60E-02	9.53E-03	4.03E-01
2737	490510.04	3859260.04	2.48E-01	4.60E-04	6.34E-02	9.52E-03	3.21E-01	3.28E-01	4.41E+01	6.34E-01	4.86E-02	4.51E+01	3.18E-01	5.57E-04	6.34E-02	9.52E-03	3.91E-01
2738	490560.04	3859260.04	2.54E-01	4.22E-04	6.10E-02	9.58E-03	3.25E-01	3.36E-01	4.04E+01	6.10E-01	4.90E-02	4.14E+01	3.26E-01	5.11E-04	6.10E-02	9.58E-03	3.97E-01
2739	490610.04	3859260.04	2.74E-01	3.62E-04	6.10E-02	9.63E-03	3.45E-01	3.62E-01	3.48E+01	6.10E-01	4.92E-02	3.58E+01	3.51E-01	4.39E-04	6.10E-02	9.63E-03	4.22E-01
2740	490660.04	3859260.04	2.92E-01	3.54E-04	6.09E-02	9.67E-03	3.63E-01	3.86E-01	3.40E+01	6.09E-01	4.94E-02	3.50E+01	3.74E-01	4.29E-04	6.09E-02	9.67E-03	4.45E-01
2741	490710.04	3859260.04	3.09E-01	3.37E-04	6.03E-02	9.69E-03	3.79E-01	4.08E-01	3.23E+01	6.03E-01	4.95E-02	3.34E+01	3.96E-01	4.08E-04	6.03E-02	9.69E-03	4.67E-01

2742	490760.04	3859260.04	3.25E-01	3.16E-04	5.93E-02	1.15E-02	3.96E-01	4.29E-01	3.03E+01	5.93E-01	5.90E-02	3.14E+01	4.16E-01	3.83E-04	5.93E-02	1.15E-02	4.87E-01
2743	490810.04	3859260.04	3.39E-01	3.09E-04	5.81E-02	1.19E-02	4.09E-01	4.48E-01	2.97E+01	5.81E-01	6.07E-02	3.08E+01	4.35E-01	3.75E-04	5.81E-02	1.19E-02	5.05E-01
2744	490860.04	3859260.04	3.52E-01	3.03E-04	5.67E-02	1.22E-02	4.21E-01	4.65E-01	2.90E+01	5.67E-01	6.22E-02	3.01E+01	4.51E-01	3.67E-04	5.67E-02	1.22E-02	5.21E-01
2745	490360.04	3859310.04	2.71E-01	5.61E-04	7.15E-02	9.91E-03	3.53E-01	3.58E-01	5.38E+01	7.15E-01	5.06E-02	5.50E+01	3.48E-01	6.80E-04	7.15E-02	9.91E-03	4.30E-01
2746	490410.04	3859310.04	2.60E-01	5.27E-04	7.03E-02	9.80E-03	3.41E-01	3.44E-01	5.06E+01	7.03E-01	5.01E-02	5.17E+01	3.34E-01	6.39E-04	7.03E-02	9.80E-03	4.14E-01
2747	490460.04	3859310.04	2.57E-01	4.99E-04	6.86E-02	9.68E-03	3.36E-01	3.40E-01	4.78E+01	6.86E-01	4.95E-02	4.89E+01	3.30E-01	6.04E-04	6.86E-02	9.68E-03	4.08E-01
2748	490510.04	3859310.04	2.52E-01	4.79E-04	6.67E-02	9.57E-03	3.29E-01	3.33E-01	4.59E+01	6.67E-01	4.89E-02	4.70E+01	3.23E-01	5.80E-04	6.67E-02	9.57E-03	4.00E-01
2749	490560.04	3859310.04	2.46E-01	4.55E-04	6.44E-02	9.59E-03	3.20E-01	3.25E-01	4.37E+01	6.44E-01	4.90E-02	4.47E+01	3.15E-01	5.51E-04	6.44E-02	9.59E-03	3.90E-01
2750	490610.04	3859310.04	2.39E-01	4.36E-04	6.19E-02	9.61E-03	3.11E-01	3.15E-01	4.18E+01	6.19E-01	4.91E-02	4.28E+01	3.06E-01	5.28E-04	6.19E-02	9.61E-03	3.78E-01
2751	490660.04	3859310.04	2.54E-01	4.07E-04	6.05E-02	9.63E-03	3.25E-01	3.36E-01	3.90E+01	6.05E-01	4.92E-02	4.00E+01	3.26E-01	4.93E-04	6.05E-02	9.63E-03	3.97E-01
2752	490710.04	3859310.04	2.73E-01	3.49E-04	6.06E-02	9.62E-03	3.44E-01	3.61E-01	3.35E+01	6.06E-01	4.92E-02	3.45E+01	3.50E-01	4.23E-04	6.06E-02	9.62E-03	4.21E-01
2753	490760.04	3859310.04	2.90E-01	3.21E-04	6.03E-02	9.61E-03	3.61E-01	3.84E-01	3.08E+01	6.03E-01	4.91E-02	3.18E+01	3.72E-01	3.89E-04	6.03E-02	9.61E-03	4.43E-01
2754	490810.04	3859310.04	3.07E-01	3.14E-04	5.98E-02	9.59E-03	3.76E-01	4.05E-01	3.01E+01	5.98E-01	4.90E-02	3.12E+01	3.93E-01	3.80E-04	5.98E-02	9.59E-03	4.63E-01
2755	490860.04	3859310.04	3.22E-01	3.03E-04	5.89E-02	1.03E-02	3.91E-01	4.25E-01	2.91E+01	5.89E-01	5.27E-02	3.01E+01	4.12E-01	3.67E-04	5.89E-02	1.03E-02	4.82E-01
2756	490360.04	3859360.04	2.88E-01	5.75E-04	7.11E-02	1.01E-02	3.70E-01	3.81E-01	5.52E+01	7.11E-01	5.14E-02	5.63E+01	3.70E-01	6.97E-04	7.11E-02	1.01E-02	4.52E-01
2757	490410.04	3859360.04	2.72E-01	5.53E-04	7.08E-02	9.96E-03	3.54E-01	3.60E-01	5.30E+01	7.08E-01	5.09E-02	5.41E+01	3.49E-01	6.70E-04	7.08E-02	9.96E-03	4.31E-01
2758	490460.04	3859360.04	2.55E-01	5.33E-04	7.00E-02	9.87E-03	3.36E-01	3.37E-01	5.11E+01	7.00E-01	5.04E-02	5.22E+01	3.27E-01	6.45E-04	7.00E-02	9.87E-03	4.08E-01
2759	490510.04	3859360.04	2.52E-01	5.11E-04	6.87E-02	9.77E-03	3.31E-01	3.33E-01	4.90E+01	6.87E-01	4.99E-02	5.01E+01	3.23E-01	6.19E-04	6.87E-02	9.77E-03	4.02E-01
2760	490560.04	3859360.04	2.49E-01	4.78E-04	6.71E-02	9.66E-03	3.26E-01	3.28E-01	4.58E+01	6.71E-01	4.93E-02	4.69E+01	3.19E-01	5.79E-04	6.71E-02	9.66E-03	3.96E-01
2761	490610.04	3859360.04	2.44E-01	4.47E-04	6.51E-02	9.54E-03	3.19E-01	3.22E-01	4.28E+01	6.51E-01	4.87E-02	4.39E+01	3.12E-01	5.41E-04	6.51E-02	9.54E-03	3.87E-01
2762	490660.04	3859360.04	2.37E-01	4.22E-04	6.29E-02	9.48E-03	3.10E-01	3.13E-01	4.05E+01	6.29E-01	4.84E-02	4.15E+01	3.04E-01	5.11E-04	6.29E-02	9.48E-03	3.77E-01
2763	490710.04	3859360.04	2.37E-01	3.84E-04	6.04E-02	9.46E-03	3.07E-01	3.13E-01	3.68E+01	6.04E-01	4.83E-02	3.78E+01	3.04E-01	4.65E-04	6.04E-02	9.46E-03	3.74E-01
2764	490760.04	3859360.04	2.55E-01	3.45E-04	5.99E-02	9.43E-03	3.25E-01	3.37E-01	3.30E+01	5.99E-01	4.82E-02	3.40E+01	3.27E-01	4.17E-04	5.99E-02	9.43E-03	3.97E-01
2765	490810.04	3859360.04	2.72E-01	3.38E-04	6.00E-02	9.40E-03	3.42E-01	3.60E-01	3.24E+01	6.00E-01	4.80E-02	3.34E+01	3.49E-01	4.09E-04	6.00E-02	9.40E-03	4.19E-01
2766	490860.04	3859360.04	2.89E-01	3.16E-04	5.98E-02	9.35E-03	3.58E-01	3.81E-01	3.03E+01	5.98E-01	4.78E-02	3.13E+01	3.70E-01	3.83E-04	5.98E-02	9.35E-03	4.40E-01
2767	490360.04	3859410.04	3.02E-01	5.82E-04	6.93E-02	1.02E-02	3.82E-01	3.99E-01	5.58E+01	6.93E-01	5.22E-02	5.70E+01	3.87E-01	7.05E-04	6.93E-02	1.02E-02	4.67E-01
2768	490410.04	3859410.04	2.88E-01	5.63E-04	6.98E-02	1.01E-02	3.68E-01	3.80E-01	5.40E+01	6.98E-01	5.18E-02	5.52E+01	3.69E-01	6.82E-04	6.98E-02	1.01E-02	4.50E-01
2769	490460.04	3859410.04	2.73E-01	5.43E-04	6.98E-02	1.01E-02	3.53E-01	3.60E-01	5.21E+01	6.98E-01	5.14E-02	5.32E+01	3.50E-01	6.58E-04	6.98E-02	1.01E-02	4.30E-01
2770	490510.04	3859410.04	2.57E-01	5.22E-04	6.94E-02	9.97E-03	3.37E-01	3.39E-01	5.00E+01	6.94E-01	5.09E-02	5.11E+01	3.29E-01	6.32E-04	6.94E-02	9.97E-03	4.09E-01
2771	490560.04	3859410.04	2.48E-01	5.00E-04	6.85E-02	9.88E-03	3.26E-01	3.27E-01	4.79E+01	6.85E-01	5.05E-02	4.90E+01	3.17E-01	6.05E-04	6.85E-02	9.88E-03	3.96E-01
2772	490610.04	3859410.04	2.45E-01	4.77E-04	6.72E-02	9.78E-03	3.22E-01	3.23E-01	4.57E+01	6.72E-01	4.99E-02	4.67E+01	3.13E-01	5.77E-04	6.72E-02	9.78E-03	3.91E-01
2773	490660.04	3859410.04	2.41E-01	4.36E-04	6.55E-02	9.71E-03	3.16E-01	3.18E-01	4.19E+01	6.55E-01	4.96E-02	4.29E+01	3.08E-01	5.29E-04	6.55E-02	9.71E-03	3.84E-01
2774	490710.04	3859410.04	2.35E-01	4.06E-04	6.36E-02	9.68E-03	3.09E-01	3.11E-01	3.89E+01	6.36E-01	4.95E-02	3.99E+01	3.02E-01	4.92E-04	6.36E-02	9.68E-03	3.75E-01
2775	490760.04	3859410.04	2.29E-01	3.64E-04	6.13E-02	9.63E-03	3.00E-01	3.03E-01	3.49E+01	6.13E-01	4.92E-02	3.59E+01	2.94E-01	4.41E-04	6.13E-02	9.63E-03	3.65E-01
2776	490810.04	3859410.04	2.37E-01	3.57E-04	5.90E-02	9.63E-03	3.06E-01	3.14E-01	3.43E+01	5.90E-01	4.92E-02	3.52E+01	3.04E-01	4.33E-04	5.90E-02	9.63E-03	3.73E-01
2777	490860.04	3859410.04	2.54E-01	3.54E-04	5.94E-02	9.65E-03	3.24E-01	3.36E-01	3.40E+01	5.94E-01	4.93E-02	3.49E+01	3.26E-01	4.29E-04	5.94E-02	9.65E-03	3.96E-01
2778	490360.04	3859460.04	3.12E-01	5.74E-04	6.62E-02	1.04E-02	3.89E-01	4.12E-01	5.51E+01	6.62E-01	5.31E-02	5.62E+01	4.00E-01	6.96E-04	6.62E-02	1.04E-02	4.77E-01
2779	490410.04	3859460.04	3.00E-01	5.54E-04	6.75E-02	1.03E-02	3.79E-01	3.97E-01	5.31E+01	6.75E-01	5.27E-02	5.43E+01	3.85E-01	6.71E-04	6.75E-02	1.03E-02	4.64E-01
2780	490460.04	3859460.04	2.87E-01	5.37E-04	6.83E-02	1.03E-02	3.66E-01	3.79E-01	5.15E+01	6.83E-01	5.24E-02	5.26E+01	3.68E-01	6.50E-04	6.83E-02	1.03E-02	4.47E-01
2781	490510.04	3859460.04	2.73E-01	5.18E-04	6.87E-02	1.02E-02	3.52E-01	3.61E-01	4.96E+01	6.87E-01	5.20E-02	5.07E+01	3.50E-01	6.27E-04	6.87E-02	1.02E-02	4.30E-01
2782	490560.04	3859460.04	2.58E-01	5.00E-04	6.86E-02	1.01E-02	3.37E-01	3.41E-01	4.79E+01	6.86E-01	5.16E-02	4.90E+01	3.31E-01	6.05E-04	6.86E-02	1.01E-02	4.10E-01
2783	490610.04	3859460.04	2.43E-01	4.76E-04	6.80E-02	1.01E-02	3.21E-01	3.21E-01	4.57E+01	6.80E-01	5.14E-02	4.67E+01	3.11E-01	5.77E-04	6.80E-02	1.01E-02	3.90E-01
2784	490660.04	3859460.04	2.41E-01	4.50E-04	6.70E-02	1.00E-02	3.18E-01	3.18E-01	4.32E+01	6.70E-01	5.12E-02	4.42E+01	3.09E-01	5.46E-04	6.70E-02	1.00E-02	3.86E-01
2785	490710.04	3859460.04	2.37E-01	4.30E-04	6.57E-02	1.00E-02	3.13E-01	3.13E-01	4.12E+01	6.57E-01	5.12E-02	4.22E+01	3.04E-01	5.21E-04	6.57E-02	1.00E-02	3.80E-01
2786	490760.04	3859460.04	2.33E-01	4.06E-04	6.40E-02	9.97E-03	3.07E-01	3.07E-01	3.90E+01	6.40E-01	5.09E-02	4.00E+01	2.98E-01	4.92E-04	6.40E-02	9.97E-03	3.73E-01
2787	490810.04	3859460.04	2.27E-01	3.84E-04	6.21E-02	9.94E-03	2.99E-01	3.00E-01	3.68E+01	6.21E-01	5.08E-02	3.78E+01	2.91E-01	4.65E-04	6.21E-02	9.94E-03	3.64E-01
2788	490860.04	3859460.04	2.25E-01	3.75E-04	6.00E-02	9.94E-03	2.95E-01	2.97E-01	3.60E+01	6.00E-01	5.08E-02	3.70E+01	2.88E-01	4.55E-04	6.00E-02	9.94E-03	3.58E-01
2789	490360.04	3859510.04	3.18E-01	5.83E-04	6.18E-02	1.06E-02	3.91E-01	4.20E-01	5.59E+01	6.18E-01	5.40E-02	5.70E+01	4.07E-01	7.06E-04	6.18E-02	1.06E-02	4.81E-01
2790	490410.04	3859510.04	3.09E-01	5.68E-04	6.40E-02	1.05E-02	3.84E-01	4.08E-01	5.45E+01	6.40E-01	5.37E-02	5.56E+01	3.96E-01	6.88E-04	6.40E-02	1.05E-02	4.71E-01
2791	490460.04	3859510.04	2.98E-01	5.51E-04	6.57E-02	1.04E-02	3.75E-01	3.94E-01	5.28E+01	6.57E-01	5.33E-02	5.39E+01	3.82E-01	6.68E-04	6.57E-02	1.04E-02	4.59E-01
2792	490510.04	3859510.04	2.86E-01	5.35E-04	6.67E-02	1.04E-02	3.64E-01	3.78E-01	5.13E+01	6.67E-01	5.31E-02	5.24E+01	3.67E-01	6.48E-04	6.67E-02	1.04E-02	4.45E-01
2793	490560.04	3859510.04	2.73E-01	5.18E-04	6.73E-02	1.04E-02	3.51E-01	3.60E-01	4.97E+01	6.73E-01	5.30E-02	5.07E+01	3.50E-01	6.27E-04	6.73E-02	1.04E-02	4.28E-01
2794	490610.04	3859510.04	2.59E-01	4.99E-04	6.75E-02	1.03E-02	3.37E-01	3.42E-01	4.78E+01	6.75E-01	5.28E-02	4.89E+01	3.32E-01	6.04E-04	6.75E-02	1.03E-02	4.10E-01
2795	490660.04	3859510.04	2.44E-01	4.79E-04	6.73E-02	1.03E-02	3.22E-01	3.22E-01	4.59E+01	6.73E-01	5.26E-02	4.70E+01	3.13E-01	5.80E-04	6.73E-02	1.03E-02	3.91E-01
2796	490710.04	3859510.04	2.37E-01	4.58E-04	6.66E-02	1.03E-02	3.14E-01	3.13E-01	4.39E+01	6.66E-01	5.24E-02	4.50E+01	3.03E-01	5.55E-04	6.66E-02	1.03E-02	3.81E-01
2797	490760.04	3859510.04	2.34E-01	4.39E-04	6.56E-02	1.02E-02	3.10E-01	3.09E-01	4.21E+01	6.56E-01	5.22E-02	4.31E+01	3.00E-01	5.31E-04	6.56E-02	1.02E-02	3.76E-01
2798	490810.04	3859510.04	2.30E-01	4.23E-04	6.42E-02	1.02E-02	3.05E-01	3.03E-01	4.06E+01	6.42E-01	5.21E-02	4.16E+01	2.94E-01	5.13E-04	6.42E-02	1.02E-02	3.69E-01
2799	490860.04	3859510.04	2.25E-01	4.05E-04	6.26E-02	1.02E-02	2.98E-01	2.97E-01	3.89E+01	6.26E-01	5.19E-02	3.98E+01	2.88E-01	4.91E-04	6.26E-02	1.02E-02	3.61E-01
2800	490360.04	3859560.04	3.20E-01	5.96E-04	5.66E-02	1.07E-02	3.88E-01	4.23E-01	5.72E+01	5.66E-01	5.48E-02	5.82E+01	4.10E-01	7.22E-04	5.66E-02	1.07E-02	4.78E-01
2801	490410.04	3859560.04	3.13E-01	5.83E-04	5.93E-02	1.07E-02	3.84E-01	4.14E-01	5.59E+01	5.93E-01	5.44E-02	5.70E+01	4.02E-01	7.07E-04	5.93E-02	1.07E-02	4.72E-01
2802	490460.04	3859560.04	3.05E-01	5.69E-04	6.17E-02	1.06E-02	3.78E-01	4.03E-01	5.46E+01	6.17E-01	5.41E-02	5.57E+01	3.91E-01	6.90E-04	6.17E-02	1.06E-02	4.64E-01

2803	490510.04	3859560.04	2.96E-01	5.53E-04	6.37E-02	1.06E-02	3.71E-01	3.91E-01	5.30E+01	6.37E-01	5.42E-02	5.41E+01	3.79E-01	6.70E-04	6.37E-02	1.06E-02	4.54E-01
2804	490560.04	3859560.04	2.85E-01	5.40E-04	6.50E-02	1.06E-02	3.61E-01	3.76E-01	5.18E+01	6.50E-01	5.41E-02	5.28E+01	3.65E-01	6.54E-04	6.50E-02	1.06E-02	4.41E-01
2805	490610.04	3859560.04	2.72E-01	5.23E-04	6.59E-02	1.06E-02	3.49E-01	3.60E-01	5.02E+01	6.59E-01	5.39E-02	5.12E+01	3.49E-01	6.34E-04	6.59E-02	1.06E-02	4.26E-01
2806	490660.04	3859560.04	2.59E-01	5.06E-04	6.63E-02	1.05E-02	3.36E-01	3.42E-01	4.86E+01	6.63E-01	5.37E-02	4.96E+01	3.32E-01	6.13E-04	6.63E-02	1.05E-02	4.10E-01
2807	490710.04	3859560.04	2.45E-01	4.88E-04	6.63E-02	1.05E-02	3.22E-01	3.24E-01	4.68E+01	6.63E-01	5.35E-02	4.78E+01	3.14E-01	5.91E-04	6.63E-02	1.05E-02	3.92E-01
2808	490760.04	3859560.04	2.32E-01	4.65E-04	6.59E-02	1.04E-02	3.09E-01	3.07E-01	4.46E+01	6.59E-01	5.31E-02	4.56E+01	2.98E-01	5.64E-04	6.59E-02	1.04E-02	3.75E-01
2809	490810.04	3859560.04	2.30E-01	4.47E-04	6.52E-02	1.04E-02	3.06E-01	3.04E-01	4.29E+01	6.52E-01	5.29E-02	4.39E+01	2.95E-01	5.42E-04	6.52E-02	1.04E-02	3.71E-01
2810	490860.04	3859560.04	2.27E-01	4.28E-04	6.41E-02	1.03E-02	3.02E-01	3.00E-01	4.11E+01	6.41E-01	5.26E-02	4.21E+01	2.91E-01	5.19E-04	6.41E-02	1.03E-02	3.66E-01
2811	490187.25	3859422.08	3.39E-01	6.40E-04	6.18E-02	1.05E-02	4.12E-01	4.48E-01	6.14E+01	6.18E-01	5.34E-02	6.25E+01	4.35E-01	7.76E-04	6.18E-02	1.05E-02	5.08E-01
2812	490237.25	3859422.08	3.31E-01	6.24E-04	6.45E-02	1.04E-02	4.07E-01	4.38E-01	5.99E+01	6.45E-01	5.32E-02	6.10E+01	4.25E-01	7.57E-04	6.45E-02	1.04E-02	5.00E-01
2813	490287.25	3859422.08	3.22E-01	6.08E-04	6.67E-02	1.04E-02	3.99E-01	4.25E-01	5.83E+01	6.67E-01	5.29E-02	5.95E+01	4.12E-01	7.37E-04	6.67E-02	1.04E-02	4.90E-01
2814	490337.25	3859422.08	3.11E-01	5.88E-04	6.82E-02	1.03E-02	3.90E-01	4.10E-01	5.64E+01	6.82E-01	5.25E-02	5.76E+01	3.98E-01	7.13E-04	6.82E-02	1.03E-02	4.77E-01
2815	490187.25	3859472.08	3.39E-01	6.35E-04	5.79E-02	1.06E-02	4.08E-01	4.47E-01	6.09E+01	5.79E-01	5.42E-02	6.20E+01	4.34E-01	7.69E-04	5.79E-02	1.06E-02	5.03E-01
2816	490237.25	3859472.08	3.34E-01	6.15E-04	5.91E-02	1.06E-02	4.04E-01	4.41E-01	5.90E+01	5.91E-01	5.40E-02	6.01E+01	4.28E-01	7.45E-04	5.91E-02	1.06E-02	4.98E-01
2817	490287.25	3859472.08	3.27E-01	5.91E-04	6.20E-02	1.05E-02	4.00E-01	4.32E-01	5.67E+01	6.20E-01	5.37E-02	5.78E+01	4.19E-01	7.16E-04	6.20E-02	1.05E-02	4.93E-01
2818	490337.25	3859472.08	3.18E-01	5.77E-04	6.44E-02	1.05E-02	3.94E-01	4.20E-01	5.53E+01	6.44E-01	5.34E-02	5.64E+01	4.08E-01	6.99E-04	6.44E-02	1.05E-02	4.84E-01
2819	490297.07	3859500.42	3.27E-01	5.97E-04	5.95E-02	1.06E-02	3.98E-01	4.32E-01	5.72E+01	5.95E-01	5.42E-02	5.83E+01	4.19E-01	7.23E-04	5.95E-02	1.06E-02	4.90E-01
2820	490327.07	3859500.42	3.22E-01	5.90E-04	6.11E-02	1.06E-02	3.95E-01	4.26E-01	5.66E+01	6.11E-01	5.40E-02	5.77E+01	4.13E-01	7.15E-04	6.11E-02	1.06E-02	4.86E-01
2821	490297.07	3859530.42	3.27E-01	6.07E-04	5.61E-02	1.07E-02	3.94E-01	4.31E-01	5.82E+01	5.61E-01	5.47E-02	5.93E+01	4.19E-01	7.35E-04	5.61E-02	1.07E-02	4.86E-01
2822	490327.07	3859530.42	3.23E-01	5.98E-04	5.79E-02	1.07E-02	3.93E-01	4.27E-01	5.74E+01	5.79E-01	5.45E-02	5.85E+01	4.15E-01	7.25E-04	5.79E-02	1.07E-02	4.84E-01
2823	490319.73	3859055.34	3.18E-01	6.15E-04	6.13E-02	9.41E-03	3.89E-01	4.20E-01	5.90E+01	6.13E-01	4.81E-02	6.01E+01	4.08E-01	7.46E-04	6.13E-02	9.41E-03	4.79E-01
2824	490319.73	3859105.34	2.77E-01	6.06E-04	6.22E-02	9.56E-03	3.49E-01	3.66E-01	5.81E+01	6.22E-01	4.88E-02	5.92E+01	3.55E-01	7.34E-04	6.22E-02	9.56E-03	4.28E-01
2825	490069.73	3859155.34	3.15E-01	7.25E-04	7.59E-02	1.04E-02	4.02E-01	4.16E-01	6.95E+01	7.59E-01	5.33E-02	7.07E+01	4.04E-01	8.78E-04	7.59E-02	1.04E-02	4.91E-01
2826	490119.73	3859155.34	2.96E-01	7.07E-04	7.49E-02	1.03E-02	3.82E-01	3.91E-01	6.78E+01	7.49E-01	5.26E-02	6.90E+01	3.79E-01	8.56E-04	7.49E-02	1.03E-02	4.65E-01
2827	490269.73	3859155.34	2.69E-01	6.47E-04	6.88E-02	9.85E-03	3.48E-01	3.55E-01	6.20E+01	6.88E-01	5.03E-02	6.31E+01	3.45E-01	7.84E-04	6.88E-02	9.85E-03	4.24E-01
2828	490319.73	3859155.34	2.63E-01	6.05E-04	6.59E-02	9.69E-03	3.39E-01	3.47E-01	5.81E+01	6.59E-01	4.95E-02	5.91E+01	3.37E-01	7.33E-04	6.59E-02	9.69E-03	4.13E-01
2829	490069.73	3859205.34	3.31E-01	7.28E-04	7.50E-02	1.05E-02	4.17E-01	4.38E-01	6.98E+01	7.50E-01	5.34E-02	7.10E+01	4.25E-01	8.82E-04	7.50E-02	1.05E-02	5.11E-01
2830	490119.73	3859205.34	3.14E-01	7.18E-04	7.51E-02	1.03E-02	4.00E-01	4.15E-01	6.89E+01	7.51E-01	5.28E-02	7.01E+01	4.02E-01	8.70E-04	7.51E-02	1.03E-02	4.89E-01
2831	490169.73	3859205.34	2.96E-01	6.98E-04	7.45E-02	1.02E-02	3.82E-01	3.91E-01	6.70E+01	7.45E-01	5.22E-02	6.81E+01	3.80E-01	8.46E-04	7.45E-02	1.02E-02	4.65E-01
2832	490219.73	3859205.34	2.78E-01	6.66E-04	7.33E-02	1.01E-02	3.62E-01	3.68E-01	6.38E+01	7.33E-01	5.15E-02	6.50E+01	3.57E-01	8.07E-04	7.33E-02	1.01E-02	4.41E-01
2833	490269.73	3859205.34	2.71E-01	6.21E-04	7.16E-02	9.94E-03	3.53E-01	3.58E-01	5.96E+01	7.16E-01	5.08E-02	6.07E+01	3.47E-01	7.53E-04	7.16E-02	9.94E-03	4.29E-01
2834	490319.73	3859205.34	2.67E-01	5.94E-04	6.95E-02	9.79E-03	3.47E-01	3.52E-01	5.70E+01	6.95E-01	5.00E-02	5.81E+01	3.42E-01	7.20E-04	6.95E-02	9.79E-03	4.22E-01
2835	490069.73	3859255.34	3.44E-01	7.12E-04	7.22E-02	1.05E-02	4.27E-01	4.54E-01	6.83E+01	7.22E-01	5.34E-02	6.96E+01	4.41E-01	8.63E-04	7.22E-02	1.05E-02	5.25E-01
2836	490119.73	3859255.34	3.29E-01	7.02E-04	7.34E-02	1.04E-02	4.14E-01	4.35E-01	6.73E+01	7.34E-01	5.29E-02	6.85E+01	4.22E-01	8.50E-04	7.34E-02	1.04E-02	5.07E-01
2837	490169.73	3859255.34	3.14E-01	6.84E-04	7.39E-02	1.03E-02	3.99E-01	4.15E-01	6.56E+01	7.39E-01	5.24E-02	6.68E+01	4.03E-01	8.29E-04	7.39E-02	1.03E-02	4.88E-01
2838	490219.73	3859255.34	2.98E-01	6.55E-04	7.37E-02	1.01E-02	3.82E-01	3.94E-01	6.28E+01	7.37E-01	5.18E-02	6.40E+01	3.82E-01	7.94E-04	7.37E-02	1.01E-02	4.67E-01
2839	490269.73	3859255.34	2.81E-01	6.21E-04	7.29E-02	1.00E-02	3.65E-01	3.71E-01	5.96E+01	7.29E-01	5.12E-02	6.07E+01	3.60E-01	7.52E-04	7.29E-02	1.00E-02	4.44E-01
2840	490319.73	3859255.34	2.66E-01	5.94E-04	7.16E-02	9.89E-03	3.48E-01	3.52E-01	5.70E+01	7.16E-01	5.05E-02	5.81E+01	3.41E-01	7.20E-04	7.16E-02	9.89E-03	4.24E-01
2841	490069.73	3859305.34	3.52E-01	6.94E-04	6.79E-02	1.04E-02	4.31E-01	4.65E-01	6.66E+01	6.79E-01	5.34E-02	6.78E+01	4.51E-01	8.41E-04	6.79E-02	1.04E-02	5.30E-01
2842	490119.73	3859305.34	3.40E-01	6.86E-04	7.00E-02	1.04E-02	4.21E-01	4.50E-01	6.58E+01	7.00E-01	5.30E-02	6.70E+01	4.36E-01	8.31E-04	7.00E-02	1.04E-02	5.18E-01
2843	490169.73	3859305.34	3.28E-01	6.71E-04	7.15E-02	1.03E-02	4.10E-01	4.33E-01	6.44E+01	7.15E-01	5.26E-02	6.56E+01	4.20E-01	8.13E-04	7.15E-02	1.03E-02	5.03E-01
2844	490219.73	3859305.34	3.14E-01	6.49E-04	7.23E-02	1.02E-02	3.97E-01	4.15E-01	6.22E+01	7.23E-01	5.21E-02	6.34E+01	4.02E-01	7.86E-04	7.23E-02	1.02E-02	4.86E-01
2845	490269.73	3859305.34	2.99E-01	6.24E-04	7.25E-02	1.01E-02	3.82E-01	3.95E-01	5.99E+01	7.25E-01	5.16E-02	6.10E+01	3.83E-01	7.56E-04	7.25E-02	1.01E-02	4.66E-01
2846	490319.73	3859305.34	2.83E-01	5.91E-04	7.21E-02	9.99E-03	3.66E-01	3.74E-01	5.67E+01	7.21E-01	5.10E-02	5.78E+01	3.63E-01	7.16E-04	7.21E-02	9.99E-03	4.46E-01
2847	490069.73	3859355.34	3.54E-01	6.84E-04	6.24E-02	1.05E-02	4.28E-01	4.68E-01	6.56E+01	6.24E-01	5.34E-02	6.67E+01	4.54E-01	8.29E-04	6.24E-02	1.05E-02	5.28E-01
2848	490119.73	3859355.34	3.46E-01	6.77E-04	6.52E-02	1.04E-02	4.22E-01	4.57E-01	6.49E+01	6.52E-01	5.32E-02	6.60E+01	4.44E-01	8.20E-04	6.52E-02	1.04E-02	5.20E-01
2849	490169.73	3859355.34	3.36E-01	6.63E-04	6.76E-02	1.03E-02	4.15E-01	4.44E-01	6.36E+01	6.76E-01	5.28E-02	6.48E+01	4.31E-01	8.03E-04	6.76E-02	1.03E-02	5.10E-01
2850	490219.73	3859355.34	3.26E-01	6.43E-04	6.95E-02	1.03E-02	4.06E-01	4.30E-01	6.17E+01	6.95E-01	5.25E-02	6.29E+01	4.17E-01	7.79E-04	6.95E-02	1.03E-02	4.98E-01
2851	490269.73	3859355.34	3.13E-01	6.24E-04	7.07E-02	1.02E-02	3.94E-01	4.13E-01	5.99E+01	7.07E-01	5.21E-02	6.11E+01	4.01E-01	7.56E-04	7.07E-02	1.02E-02	4.83E-01
2852	490319.73	3859355.34	2.99E-01	5.99E-04	7.12E-02	1.01E-02	3.81E-01	3.95E-01	5.74E+01	7.12E-01	5.17E-02	5.86E+01	3.83E-01	7.25E-04	7.12E-02	1.01E-02	4.65E-01
2853	490069.73	3859405.34	3.52E-01	6.73E-04	6.05E-02	1.05E-02	4.23E-01	4.65E-01	6.45E+01	6.05E-01	5.37E-02	6.56E+01	4.51E-01	8.15E-04	6.05E-02	1.05E-02	5.23E-01
2854	490119.73	3859405.34	3.47E-01	6.64E-04	5.95E-02	1.05E-02	4.18E-01	4.59E-01	6.36E+01	5.95E-01	5.35E-02	6.47E+01	4.45E-01	8.04E-04	5.95E-02	1.05E-02	5.16E-01
2855	490169.73	3859405.34	3.41E-01	6.50E-04	6.26E-02	1.04E-02	4.15E-01	4.50E-01	6.23E+01	6.26E-01	5.33E-02	6.35E+01	4.37E-01	7.87E-04	6.26E-02	1.04E-02	5.11E-01
2856	490219.73	3859405.34	3.33E-01	6.35E-04	6.53E-02	1.04E-02	4.09E-01	4.40E-01	6.09E+01	6.53E-01	5.30E-02	6.21E+01	4.27E-01	7.70E-04	6.53E-02	1.04E-02	5.03E-01
2857	490269.73	3859405.34	3.23E-01	6.16E-04	6.74E-02	1.03E-02	4.01E-01	4.27E-01	5.91E+01	6.74E-01	5.27E-02	6.03E+01	4.14E-01	7.47E-04	6.74E-02	1.03E-02	4.93E-01
2858	490319.73	3859405.34	3.12E-01	5.95E-04	6.88E-02	1.03E-02	3.91E-01	4.12E-01	5.71E+01	6.88E-01	5.24E-02	5.83E+01	3.99E-01	7.21E-04	6.88E-02	1.03E-02	4.79E-01
2859	490161.89	3859541.83	3.31E-01	6.44E-04	5.91E-02	1.09E-02	4.01E-01	4.37E-01	6.17E+01	5.91E-01	5.55E-02	6.28E+01	4.24E-01	7.80E-04	5.91E-02	1.09E-02	4.95E-01
2860	490171.89	3859541.83	3.31E-01	6.41E-04	5.89E-02	1.09E-02	4.01E-01	4.37E-01	6.15E+01	5.89E-01	5.55E-02	6.26E+01	4.24E-01	7.77E-04	5.89E-02	1.09E-02	4.95E-01
2861	490161.89	3859551.83	3.29E-01	6.45E-04	5.91E-02	1.09E-02	3.99E-01	4.34E-01	6.19E+01	5.91E-01	5.57E-02	6.29E+01	4.22E-01	7.81E-04	5.91E-02	1.09E-02	4.92E-01
2862	490171.89	3859551.83	3.29E-01	6.42E-04	5.89E-02	1.09E-02	4.00E-01	4.35E-01	6.16E+01	5.89E-01	5.56E-02	6.27E+01	4.22E-01	7.78E-04	5.89E-02	1.09E-02	4.93E-01
2863	489799.72	3859348.21	3.56E-01	7.79E-04	6.59E-02	1.07E-02	4.34E-01	4.70E-01	7.47E+01	6.59E-01	5.47E-02	7.59E+01	4.57E-01	9.43E-04	6.59E-02	1.07E-02	5.34E-01

2864	489819.72	3859348.21	3.59E-01	7.68E-04	6.58E-02	1.07E-02	4.36E-01	4.74E-01	7.37E+01	6.58E-01	5.46E-02	7.49E+01	4.60E-01	9.31E-04	6.58E-02	1.07E-02	5.37E-01
2865	489799.72	3859368.21	3.49E-01	7.83E-04	6.53E-02	1.07E-02	4.26E-01	4.61E-01	7.51E+01	6.53E-01	5.45E-02	7.63E+01	4.47E-01	9.49E-04	6.53E-02	1.07E-02	5.24E-01
2866	489819.72	3859368.21	3.52E-01	7.71E-04	6.53E-02	1.07E-02	4.29E-01	4.65E-01	7.40E+01	6.53E-01	5.44E-02	7.51E+01	4.51E-01	9.34E-04	6.53E-02	1.07E-02	5.28E-01
2867	489775.41	3859329.72	3.59E-01	7.89E-04	6.64E-02	1.08E-02	4.37E-01	4.74E-01	7.57E+01	6.64E-01	5.50E-02	7.68E+01	4.60E-01	9.56E-04	6.64E-02	1.08E-02	5.38E-01
2868	489795.41	3859329.72	3.62E-01	7.78E-04	6.63E-02	1.07E-02	4.39E-01	4.78E-01	7.46E+01	6.63E-01	5.49E-02	7.58E+01	4.64E-01	9.43E-04	6.63E-02	1.07E-02	5.42E-01
2869	489775.41	3859349.72	3.52E-01	7.93E-04	6.58E-02	1.07E-02	4.29E-01	4.65E-01	7.61E+01	6.58E-01	5.47E-02	7.72E+01	4.51E-01	9.61E-04	6.58E-02	1.07E-02	5.29E-01
2870	489795.41	3859349.72	3.55E-01	7.81E-04	6.59E-02	1.07E-02	4.32E-01	4.69E-01	7.49E+01	6.59E-01	5.47E-02	7.61E+01	4.55E-01	9.46E-04	6.59E-02	1.07E-02	5.33E-01
2871	489595.05	3859219.43	3.78E-01	9.25E-04	6.97E-02	1.12E-02	4.60E-01	5.00E-01	8.87E+01	6.97E-01	5.73E-02	8.99E+01	4.85E-01	1.12E-03	6.97E-02	1.12E-02	5.67E-01
2872	489615.05	3859219.43	3.76E-01	9.10E-04	6.98E-02	1.12E-02	4.58E-01	4.96E-01	8.73E+01	6.98E-01	5.72E-02	8.85E+01	4.82E-01	1.10E-03	6.98E-02	1.12E-02	5.64E-01
2873	489595.05	3859239.43	3.78E-01	9.15E-04	6.88E-02	1.12E-02	4.59E-01	5.00E-01	8.78E+01	6.88E-01	5.71E-02	8.90E+01	4.85E-01	1.11E-03	6.88E-02	1.12E-02	5.66E-01
2874	489615.05	3859239.43	3.75E-01	9.00E-04	6.90E-02	1.12E-02	4.56E-01	4.96E-01	8.64E+01	6.90E-01	5.70E-02	8.76E+01	4.81E-01	1.09E-03	6.90E-02	1.12E-02	5.62E-01
2875	489372.4	3859092.58	4.18E-01	1.13E-03	7.25E-02	1.11E-02	5.02E-01	5.52E-01	1.08E+02	7.25E-01	5.69E-02	1.09E+02	5.35E-01	1.37E-03	7.25E-02	1.11E-02	6.20E-01
2876	489422.4	3859092.58	4.09E-01	1.09E-03	7.36E-02	1.12E-02	4.95E-01	5.40E-01	1.05E+02	7.36E-01	5.72E-02	1.06E+02	5.24E-01	1.32E-03	7.36E-02	1.12E-02	6.10E-01
2877	489372.4	3859142.58	4.16E-01	1.12E-03	6.85E-02	1.12E-02	4.96E-01	5.49E-01	1.07E+02	6.85E-01	5.73E-02	1.08E+02	5.33E-01	1.35E-03	6.85E-02	1.12E-02	6.14E-01
2878	489422.4	3859142.58	4.08E-01	1.08E-03	7.05E-02	1.12E-02	4.91E-01	5.39E-01	1.04E+02	7.05E-01	5.75E-02	1.05E+02	5.23E-01	1.31E-03	7.05E-02	1.12E-02	6.06E-01
2879	488870.84	3858666.64	5.34E-01	7.71E-04	8.36E-02	1.52E-02	6.34E-01	7.06E-01	7.40E+01	8.36E-01	7.75E-02	7.56E+01	6.85E-01	9.34E-04	8.36E-02	1.52E-02	7.85E-01
2880	488900.84	3858666.64	5.25E-01	7.66E-04	8.51E-02	1.56E-02	6.26E-01	6.93E-01	7.35E+01	8.51E-01	7.95E-02	7.51E+01	6.73E-01	9.28E-04	8.51E-02	1.56E-02	7.74E-01
2881	488870.84	3858696.64	5.34E-01	8.20E-04	8.08E-02	1.52E-02	6.31E-01	7.06E-01	7.86E+01	8.08E-01	7.79E-02	8.02E+01	6.85E-01	9.93E-04	8.08E-02	1.52E-02	7.82E-01
2882	488900.84	3858696.64	5.26E-01	8.13E-04	8.31E-02	1.58E-02	6.26E-01	6.95E-01	7.80E+01	8.31E-01	8.07E-02	7.96E+01	6.74E-01	9.85E-04	8.31E-02	1.58E-02	7.74E-01
2883	488889.67	3858683.97	5.29E-01	7.94E-04	8.35E-02	1.55E-02	6.29E-01	6.99E-01	7.61E+01	8.35E-01	7.91E-02	7.77E+01	6.78E-01	9.62E-04	8.35E-02	1.55E-02	7.78E-01
2884	488919.67	3858683.97	5.19E-01	7.89E-04	8.49E-02	1.60E-02	6.21E-01	6.86E-01	7.57E+01	8.49E-01	8.19E-02	7.73E+01	6.66E-01	9.56E-04	8.49E-02	1.60E-02	7.68E-01
2885	488889.67	3858713.97	5.29E-01	8.47E-04	8.07E-02	1.57E-02	6.26E-01	6.99E-01	8.12E+01	8.07E-01	8.04E-02	8.28E+01	6.78E-01	1.03E-03	8.07E-02	1.57E-02	7.76E-01
2886	488919.67	3858713.97	5.21E-01	8.39E-04	8.29E-02	1.64E-02	6.21E-01	6.88E-01	8.05E+01	8.29E-01	8.36E-02	8.21E+01	6.68E-01	1.02E-03	8.29E-02	1.64E-02	7.68E-01
2887	488906.61	3858703.33	5.24E-01	8.24E-04	8.30E-02	1.60E-02	6.24E-01	6.93E-01	7.90E+01	8.30E-01	8.16E-02	8.06E+01	6.72E-01	9.98E-04	8.30E-02	1.60E-02	7.72E-01
2888	488936.61	3858703.33	5.16E-01	8.15E-04	8.46E-02	1.66E-02	6.17E-01	6.81E-01	7.82E+01	8.46E-01	8.47E-02	7.98E+01	6.61E-01	9.88E-04	8.46E-02	1.66E-02	7.63E-01
2889	488906.61	3858733.33	5.25E-01	8.77E-04	8.01E-02	1.64E-02	6.22E-01	6.93E-01	8.41E+01	8.01E-01	8.36E-02	8.57E+01	6.73E-01	1.06E-03	8.01E-02	1.64E-02	7.71E-01
2890	488936.61	3858733.33	5.17E-01	8.70E-04	8.24E-02	1.69E-02	6.17E-01	6.83E-01	8.34E+01	8.24E-01	8.64E-02	8.50E+01	6.62E-01	1.05E-03	8.24E-02	1.69E-02	7.63E-01
2891	488637.63	3858467.85	6.07E-01	6.23E-04	1.48E-01	1.32E-02	7.68E-01	8.01E-01	5.98E+01	1.48E+00	6.75E-02	6.21E+01	7.78E-01	7.55E-04	1.48E-01	1.32E-02	9.40E-01
2892	488662.63	3858467.85	5.95E-01	6.17E-04	1.49E-01	1.36E-02	7.58E-01	7.86E-01	5.92E+01	1.49E+00	6.97E-02	6.15E+01	7.63E-01	7.48E-04	1.49E-01	1.36E-02	9.26E-01
2893	488637.63	3858492.85	6.08E-01	6.34E-04	1.35E-01	1.34E-02	7.57E-01	8.04E-01	6.08E+01	1.35E+00	6.85E-02	6.30E+01	7.80E-01	7.68E-04	1.35E-01	1.34E-02	9.29E-01
2894	488662.63	3858492.85	5.98E-01	6.26E-04	1.34E-01	1.38E-02	7.47E-01	7.90E-01	6.01E+01	1.34E+00	7.06E-02	6.23E+01	7.67E-01	7.59E-04	1.34E-01	1.38E-02	9.15E-01
2895	488687.63	3858492.85	5.88E-01	6.19E-04	1.36E-01	1.41E-02	7.38E-01	7.76E-01	5.93E+01	1.36E+00	7.20E-02	6.15E+01	7.53E-01	7.49E-04	1.36E-01	1.41E-02	9.04E-01
2896	488637.63	3858517.85	6.08E-01	6.44E-04	1.30E-01	1.36E-02	7.53E-01	8.03E-01	6.18E+01	1.30E+00	6.96E-02	6.39E+01	7.79E-01	7.80E-04	1.30E-01	1.36E-02	9.24E-01
2897	488662.63	3858517.85	5.99E-01	6.36E-04	1.24E-01	1.40E-02	7.38E-01	7.91E-01	6.10E+01	1.24E+00	7.15E-02	6.31E+01	7.68E-01	7.71E-04	1.24E-01	1.40E-02	9.07E-01
2898	488687.63	3858517.85	5.89E-01	6.30E-04	1.23E-01	1.43E-02	7.27E-01	7.78E-01	6.04E+01	1.23E+00	7.28E-02	6.25E+01	7.55E-01	7.63E-04	1.23E-01	1.43E-02	8.93E-01
2899	488194.42	3857168.98	8.58E-01	3.00E-04	6.33E-02	8.01E-03	9.29E-01	1.13E+00	2.88E+01	6.33E-01	4.09E-02	3.06E+01	1.10E+00	3.63E-04	6.33E-02	8.01E-03	1.17E+00
2900	488244.42	3857168.98	8.31E-01	3.07E-04	7.96E-02	7.85E-03	9.18E-01	1.10E+00	2.94E+01	7.96E-01	4.01E-02	3.14E+01	1.07E+00	3.72E-04	7.96E-02	7.85E-03	1.15E+00
2901	488294.42	3857168.98	8.08E-01	3.08E-04	9.22E-02	7.81E-03	9.08E-01	1.07E+00	2.96E+01	9.22E-01	3.99E-02	3.16E+01	1.04E+00	3.73E-04	9.22E-02	7.81E-03	1.14E+00
2902	488244.42	3857218.98	8.08E-01	3.08E-04	8.07E-02	7.84E-03	8.97E-01	1.07E+00	2.95E+01	8.07E-01	4.01E-02	3.14E+01	1.04E+00	3.73E-04	8.07E-02	7.84E-03	1.12E+00
2903	488294.42	3857218.98	7.87E-01	3.11E-04	9.20E-02	8.00E-03	8.88E-01	1.04E+00	2.98E+01	9.20E-01	4.09E-02	3.18E+01	1.01E+00	3.76E-04	9.20E-02	8.00E-03	1.11E+00
2904	488294.42	3857268.98	7.89E-01	3.14E-04	9.06E-02	8.69E-03	8.89E-01	1.04E+00	3.01E+01	9.06E-01	4.44E-02	3.21E+01	1.01E+00	3.80E-04	9.06E-02	8.69E-03	1.11E+00
2905	488139.13	3857111.68	9.25E-01	2.92E-04	6.16E-02	7.96E-03	9.95E-01	1.22E+00	2.80E+01	6.16E-01	4.06E-02	2.98E+01	1.19E+00	3.53E-04	6.16E-02	7.96E-03	1.26E+00
2906	488189.13	3857111.68	8.94E-01	3.01E-04	6.30E-02	7.85E-03	9.65E-01	1.18E+00	2.89E+01	6.30E-01	4.01E-02	3.08E+01	1.15E+00	3.65E-04	6.30E-02	7.85E-03	1.22E+00
2907	488189.13	3857161.68	8.63E-01	3.00E-04	6.34E-02	7.98E-03	9.34E-01	1.14E+00	2.87E+01	6.34E-01	4.08E-02	3.05E+01	1.11E+00	3.63E-04	6.34E-02	7.98E-03	1.18E+00
2908	487951.04	3856961.26	1.16E+00	2.62E-04	8.15E-02	1.17E-02	1.26E+00	1.54E+00	2.51E+01	8.15E-01	6.00E-02	2.75E+01	1.49E+00	3.17E-04	8.15E-02	1.17E-02	1.59E+00
2909	488001.04	3856961.26	1.12E+00	2.66E-04	7.06E-02	1.13E-02	1.21E+00	1.49E+00	2.55E+01	7.06E-01	5.76E-02	2.78E+01	1.44E+00	3.23E-04	7.06E-02	1.13E-02	1.52E+00
2910	488051.04	3856961.26	1.09E+00	2.67E-04	5.43E-02	1.09E-02	1.16E+00	1.44E+00	2.56E+01	5.43E-01	5.58E-02	2.76E+01	1.40E+00	3.23E-04	5.43E-02	1.09E-02	1.46E+00
2911	488101.04	3856961.26	1.05E+00	2.78E-04	5.55E-02	1.03E-02	1.12E+00	1.39E+00	2.67E+01	5.55E-01	5.24E-02	2.87E+01	1.35E+00	3.37E-04	5.55E-02	1.03E-02	1.41E+00
2912	487951.04	3857011.26	1.14E+00	2.71E-04	8.52E-02	1.07E-02	1.24E+00	1.51E+00	2.60E+01	8.52E-01	5.47E-02	2.84E+01	1.46E+00	3.29E-04	8.52E-02	1.07E-02	1.56E+00
2913	488001.04	3857011.26	1.11E+00	2.71E-04	7.22E-02	1.05E-02	1.19E+00	1.46E+00	2.60E+01	7.22E-01	5.34E-02	2.82E+01	1.42E+00	3.28E-04	7.22E-02	1.05E-02	1.50E+00
2914	488051.04	3857011.26	1.07E+00	2.72E-04	5.64E-02	1.02E-02	1.14E+00	1.42E+00	2.60E+01	5.64E-01	5.20E-02	2.81E+01	1.37E+00	3.29E-04	5.64E-02	1.02E-02	1.44E+00
2915	488101.04	3857011.26	1.03E+00	2.83E-04	5.64E-02	9.60E-03	1.10E+00	1.36E+00	2.71E+01	5.64E-01	4.90E-02	2.91E+01	1.32E+00	3.43E-04	5.64E-02	9.60E-03	1.39E+00
2916	488001.04	3857061.26	1.07E+00	2.76E-04	7.39E-02	9.36E-03	1.15E+00	1.41E+00	2.65E+01	7.39E-01	4.78E-02	2.87E+01	1.37E+00	3.35E-04	7.39E-02	9.36E-03	1.45E+00
2917	488051.04	3857061.26	1.03E+00	2.81E-04	5.85E-02	9.05E-03	1.10E+00	1.36E+00	2.70E+01	5.85E-01	4.62E-02	2.90E+01	1.32E+00	3.41E-04	5.85E-02	9.05E-03	1.39E+00
2918	488101.04	3857061.26	9.99E-01	2.88E-04	5.72E-02	8.68E-03	1.06E+00	1.32E+00	2.76E+01	5.72E-01	4.43E-02	2.95E+01	1.28E+00	3.49E-04	5.72E-02	8.68E-03	1.35E+00
2919	487638.98	3856673.79	1.58E+00	2.23E-04	1.02E-01	1.74E-02	1.70E+00	2.09E+00	2.14E+01	1.02E+00	8.91E-02	2.46E+01	2.02E+00	2.70E-04	1.02E-01	1.74E-02	2.14E+00
2920	487688.98	3856673.79	1.54E+00	2.25E-04	1.01E-01	1.68E-02	1.65E+00	2.03E+00	2.16E+01	1.01E+00	8.57E-02	2.47E+01	1.97E+00	2.73E-04	1.01E-01	1.68E-02	2.09E+00
2921	487638.98	3856723.79	1.63E+00	2.29E-04	1.04E-01	1.71E-02	1.75E+00	2.15E+00	2.20E+01	1.04E+00	8.72E-02	2.53E+01	2.09E+00	2.78E-04	1.04E-01	1.71E-02	2.21E+00
2922	487688.98	3856723.79	1.58E+00	2.31E-04	1.03E-01	1.65E-02	1.70E+00	2.08E+00	2.21E+01	1.03E+00	8.41E-02	2.53E+01	2.02E+00	2.80E-04	1.03E-01	1.65E-02	2.14E+00
2923	486324.61	3855740.57	1.21E+00	8.12E-05	6.71E-02	2.87E-02	1.30E+00	1.59E+00	7.79E+00	6.71E-01	1.47E-01	1.02E+01	1.55E+00	9.84E-05	6.71E-02	2.87E-02	1.64E+00
2924	486374.61	3855740.57	1.07E+00	7.84E-05	6.04E-02	2.86E-02	1.16E+00	1.42E+00	7.52E+00	6.04E-01	1.46E-01	9.69E+00	1.38E+00	9.50E-05	6.04E-02	2.86E-02	1.46E+00

2925	486424.61	3855740.57	1.03E+00	7.76E-05	4.62E-02	2.88E-02	1.10E+00	1.36E+00	7.45E+00	4.62E-01	1.47E-01	9.41E+00	1.32E+00	9.40E-05	4.62E-02	2.88E-02	1.39E+00
2926	486324.61	3855790.57	1.25E+00	8.39E-05	7.52E-02	3.05E-02	1.36E+00	1.65E+00	8.04E+00	7.52E-01	1.56E-01	1.06E+01	1.61E+00	1.02E-04	7.52E-02	3.05E-02	1.71E+00
2927	486374.61	3855790.57	1.13E+00	8.14E-05	7.06E-02	3.09E-02	1.23E+00	1.49E+00	7.80E+00	7.06E-01	1.58E-01	1.02E+01	1.45E+00	9.86E-05	7.06E-02	3.09E-02	1.55E+00
2928	486424.61	3855790.57	1.11E+00	8.14E-05	5.55E-02	3.06E-02	1.20E+00	1.47E+00	7.81E+00	5.55E-01	1.56E-01	9.99E+00	1.43E+00	9.86E-05	5.55E-02	3.06E-02	1.51E+00
2929	486324.61	3855840.57	1.29E+00	8.70E-05	8.13E-02	3.12E-02	1.41E+00	1.71E+00	8.34E+00	8.13E-01	1.59E-01	1.10E+01	1.66E+00	1.05E-04	8.13E-02	3.12E-02	1.77E+00
2930	486374.61	3855840.57	1.26E+00	8.68E-05	7.38E-02	3.06E-02	1.36E+00	1.66E+00	8.32E+00	7.38E-01	1.56E-01	1.09E+01	1.61E+00	1.05E-04	7.38E-02	3.06E-02	1.72E+00
2931	486424.61	3855840.57	1.20E+00	8.59E-05	6.38E-02	3.02E-02	1.30E+00	1.59E+00	8.24E+00	6.38E-01	1.54E-01	1.06E+01	1.54E+00	1.04E-04	6.38E-02	3.02E-02	1.63E+00
2932	486324.61	3855890.57	1.44E+00	9.31E-05	7.67E-02	2.90E-02	1.54E+00	1.90E+00	8.93E+00	7.67E-01	1.48E-01	1.17E+01	1.84E+00	1.13E-04	7.67E-02	2.90E-02	1.95E+00
2933	486374.61	3855890.57	1.38E+00	9.25E-05	7.50E-02	2.83E-02	1.48E+00	1.82E+00	8.87E+00	7.50E-01	1.45E-01	1.16E+01	1.77E+00	1.12E-04	7.50E-02	2.83E-02	1.87E+00
2934	486424.61	3855890.57	1.30E+00	9.12E-05	6.96E-02	2.78E-02	1.40E+00	1.72E+00	8.75E+00	6.96E-01	1.42E-01	1.13E+01	1.67E+00	1.11E-04	6.96E-02	2.78E-02	1.77E+00
2935	488735.69	3858285.64	5.73E-01	5.16E-04	2.20E-01	1.33E-02	8.07E-01	7.57E-01	4.95E+01	2.20E+00	6.79E-02	5.25E+01	7.35E-01	6.25E-04	2.20E-01	1.33E-02	9.69E-01
2936	488765.69	3858285.64	5.52E-01	5.10E-04	2.14E-01	1.35E-02	7.80E-01	7.29E-01	4.89E+01	2.14E+00	6.89E-02	5.19E+01	7.07E-01	6.18E-04	2.14E-01	1.35E-02	9.36E-01
2937	488735.69	3858315.64	5.89E-01	5.30E-04	2.19E-01	1.35E-02	8.21E-01	7.77E-01	5.08E+01	2.19E+00	6.88E-02	5.39E+01	7.55E-01	6.42E-04	2.19E-01	1.35E-02	9.87E-01
2938	488765.69	3858315.64	5.70E-01	5.24E-04	2.10E-01	1.36E-02	7.94E-01	7.53E-01	5.02E+01	2.10E+00	6.96E-02	5.31E+01	7.31E-01	6.34E-04	2.10E-01	1.36E-02	9.55E-01
2939	478676.63	3849871.93	2.01E-01	1.19E-04	1.90E-02	1.02E-02	2.31E-01	2.66E-01	1.14E+01	1.90E-01	5.23E-02	1.19E+01	2.58E-01	1.44E-04	1.90E-02	1.02E-02	2.87E-01
2940	479326.63	3849871.93	2.31E-01	6.19E-05	1.55E-02	1.39E-02	2.60E-01	3.05E-01	5.93E+00	1.55E-01	7.11E-02	6.46E+00	2.96E-01	7.49E-05	1.55E-02	1.39E-02	3.25E-01
2941	479376.63	3849871.93	2.25E-01	6.24E-05	1.52E-02	1.38E-02	2.54E-01	2.97E-01	5.99E+00	1.52E-01	7.04E-02	6.51E+00	2.88E-01	7.56E-05	1.52E-02	1.38E-02	3.17E-01
2942	479426.63	3849871.93	2.25E-01	6.39E-05	1.49E-02	1.36E-02	2.53E-01	2.97E-01	6.13E+00	1.49E-01	6.95E-02	6.64E+00	2.88E-01	7.74E-05	1.49E-02	1.36E-02	3.16E-01
2943	478726.63	3849921.93	2.02E-01	1.20E-04	1.91E-02	1.00E-02	2.31E-01	2.67E-01	1.15E+01	1.91E-01	5.12E-02	1.20E+01	2.59E-01	1.46E-04	1.91E-02	1.00E-02	2.88E-01
2944	478776.63	3849921.93	1.98E-01	1.15E-04	1.89E-02	1.05E-02	2.28E-01	2.62E-01	1.11E+01	1.89E-01	5.35E-02	1.16E+01	2.54E-01	1.40E-04	1.89E-02	1.05E-02	2.84E-01
2945	478826.63	3849921.93	1.93E-01	1.10E-04	1.87E-02	1.10E-02	2.23E-01	2.55E-01	1.06E+01	1.87E-01	5.62E-02	1.11E+01	2.48E-01	1.34E-04	1.87E-02	1.10E-02	2.77E-01
2946	478976.63	3849921.93	2.14E-01	9.71E-05	1.81E-02	1.23E-02	2.44E-01	2.82E-01	9.31E+00	1.81E-01	6.31E-02	9.84E+00	2.74E-01	1.18E-04	1.81E-02	1.23E-02	3.05E-01
2947	479026.63	3849921.93	2.22E-01	9.44E-05	1.78E-02	1.23E-02	2.53E-01	2.94E-01	9.05E+00	1.78E-01	6.26E-02	9.59E+00	2.85E-01	1.14E-04	1.78E-02	1.23E-02	3.15E-01
2948	479076.63	3849921.93	2.29E-01	9.06E-05	1.75E-02	1.24E-02	2.59E-01	3.03E-01	8.69E+00	1.75E-01	6.36E-02	9.23E+00	2.94E-01	1.10E-04	1.75E-02	1.24E-02	3.24E-01
2949	479126.63	3849921.93	2.32E-01	8.65E-05	1.73E-02	1.27E-02	2.62E-01	3.07E-01	8.29E+00	1.73E-01	6.48E-02	8.84E+00	2.98E-01	1.05E-04	1.73E-02	1.27E-02	3.28E-01
2950	479176.63	3849921.93	2.31E-01	8.30E-05	1.70E-02	1.27E-02	2.60E-01	3.05E-01	7.96E+00	1.70E-01	6.47E-02	8.50E+00	2.96E-01	1.01E-04	1.70E-02	1.27E-02	3.25E-01
2951	479226.63	3849921.93	2.26E-01	7.71E-05	1.67E-02	1.32E-02	2.56E-01	2.99E-01	7.39E+00	1.67E-01	6.74E-02	7.93E+00	2.90E-01	9.34E-05	1.67E-02	1.32E-02	3.20E-01
2952	479276.63	3849921.93	2.28E-01	6.99E-05	1.63E-02	1.40E-02	2.59E-01	3.01E-01	6.70E+00	1.63E-01	7.17E-02	7.24E+00	2.93E-01	8.46E-05	1.63E-02	1.40E-02	3.23E-01
2953	479326.63	3849921.93	2.30E-01	6.96E-05	1.60E-02	1.31E-02	2.59E-01	3.04E-01	6.68E+00	1.60E-01	6.69E-02	7.21E+00	2.95E-01	8.44E-05	1.60E-02	1.31E-02	3.24E-01
2954	479376.63	3849921.93	2.33E-01	6.36E-05	1.57E-02	1.37E-02	2.62E-01	3.07E-01	6.10E+00	1.57E-01	7.01E-02	6.63E+00	2.98E-01	7.71E-05	1.57E-02	1.37E-02	3.28E-01
2955	479426.63	3849921.93	2.26E-01	6.67E-05	1.53E-02	1.32E-02	2.55E-01	2.99E-01	6.40E+00	1.53E-01	6.73E-02	6.92E+00	2.90E-01	8.08E-05	1.53E-02	1.32E-02	3.19E-01
2956	478726.63	3849971.93	2.04E-01	1.27E-04	1.94E-02	9.35E-03	2.32E-01	2.69E-01	1.21E+01	1.94E-01	4.78E-02	1.26E+01	2.61E-01	1.53E-04	1.94E-02	9.35E-03	2.90E-01
2957	478776.63	3849971.93	2.03E-01	1.21E-04	1.92E-02	9.85E-03	2.32E-01	2.68E-01	1.16E+01	1.92E-01	5.03E-02	1.22E+01	2.60E-01	1.47E-04	1.92E-02	9.85E-03	2.89E-01
2958	478826.63	3849971.93	2.00E-01	1.16E-04	1.91E-02	1.04E-02	2.30E-01	2.64E-01	1.12E+01	1.91E-01	5.30E-02	1.17E+01	2.57E-01	1.41E-04	1.91E-02	1.04E-02	2.86E-01
2959	478976.63	3849971.93	1.99E-01	1.04E-04	1.84E-02	1.12E-02	2.29E-01	2.63E-01	9.99E+00	1.84E-01	5.73E-02	1.05E+01	2.55E-01	1.26E-04	1.84E-02	1.12E-02	2.85E-01
2960	479026.63	3849971.93	2.12E-01	9.97E-05	1.82E-02	1.17E-02	2.42E-01	2.80E-01	9.56E+00	1.82E-01	5.96E-02	1.01E+01	2.72E-01	1.21E-04	1.82E-02	1.17E-02	3.02E-01
2961	479076.63	3849971.93	2.23E-01	9.54E-05	1.79E-02	1.20E-02	2.53E-01	2.94E-01	9.15E+00	1.79E-01	6.14E-02	9.68E+00	2.86E-01	1.16E-04	1.79E-02	1.20E-02	3.16E-01
2962	479126.63	3849971.93	2.30E-01	9.16E-05	1.77E-02	1.22E-02	2.60E-01	3.03E-01	8.78E+00	1.77E-01	6.23E-02	9.32E+00	2.95E-01	1.11E-04	1.77E-02	1.22E-02	3.24E-01
2963	479176.63	3849971.93	2.32E-01	8.76E-05	1.74E-02	1.23E-02	2.62E-01	3.07E-01	8.41E+00	1.74E-01	6.27E-02	8.95E+00	2.98E-01	1.06E-04	1.74E-02	1.23E-02	3.28E-01
2964	479226.63	3849971.93	2.37E-01	7.86E-05	1.71E-02	1.39E-02	2.68E-01	3.14E-01	7.54E+00	1.71E-01	7.08E-02	8.09E+00	3.04E-01	9.52E-05	1.71E-02	1.39E-02	3.35E-01
2965	479276.63	3849971.93	2.29E-01	7.81E-05	1.68E-02	1.30E-02	2.59E-01	3.02E-01	7.49E+00	1.68E-01	6.63E-02	8.03E+00	2.93E-01	9.46E-05	1.68E-02	1.30E-02	3.23E-01
2966	479326.63	3849971.93	2.23E-01	7.63E-05	1.65E-02	1.23E-02	2.52E-01	2.95E-01	7.32E+00	1.65E-01	6.28E-02	7.84E+00	2.86E-01	9.24E-05	1.65E-02	1.23E-02	3.15E-01
2967	479376.63	3849971.93	2.33E-01	6.89E-05	1.61E-02	1.32E-02	2.62E-01	3.08E-01	6.61E+00	1.61E-01	6.75E-02	7.15E+00	2.99E-01	8.35E-05	1.61E-02	1.32E-02	3.28E-01
2968	479426.63	3849971.93	2.32E-01	6.80E-05	1.58E-02	1.29E-02	2.61E-01	3.07E-01	6.52E+00	1.58E-01	6.61E-02	7.05E+00	2.98E-01	8.23E-05	1.58E-02	1.29E-02	3.27E-01
2969	478726.63	3850021.93	2.02E-01	1.33E-04	1.97E-02	8.71E-03	2.31E-01	2.67E-01	1.28E+01	1.97E-01	4.45E-02	1.33E+01	2.59E-01	1.61E-04	1.97E-02	8.71E-03	2.88E-01
2970	478776.63	3850021.93	2.04E-01	1.28E-04	1.95E-02	9.23E-03	2.33E-01	2.70E-01	1.22E+01	1.95E-01	4.72E-02	1.28E+01	2.62E-01	1.55E-04	1.95E-02	9.23E-03	2.91E-01
2971	478826.63	3850021.93	2.04E-01	1.23E-04	1.94E-02	9.69E-03	2.33E-01	2.69E-01	1.18E+01	1.94E-01	4.95E-02	1.23E+01	2.61E-01	1.48E-04	1.94E-02	9.69E-03	2.90E-01
2972	478976.63	3850021.93	1.88E-01	1.10E-04	1.88E-02	1.07E-02	2.17E-01	2.48E-01	1.05E+01	1.88E-01	5.44E-02	1.10E+01	2.41E-01	1.33E-04	1.88E-02	1.07E-02	2.70E-01
2973	478726.63	3850071.93	1.98E-01	1.40E-04	1.99E-02	8.07E-03	2.26E-01	2.62E-01	1.34E+01	1.99E-01	4.12E-02	1.39E+01	2.54E-01	1.69E-04	1.99E-02	8.07E-03	2.82E-01
2974	478776.63	3850071.93	2.02E-01	1.35E-04	1.98E-02	8.54E-03	2.30E-01	2.67E-01	1.29E+01	1.98E-01	4.36E-02	1.34E+01	2.59E-01	1.63E-04	1.98E-02	8.54E-03	2.87E-01
2975	478826.63	3850071.93	2.04E-01	1.29E-04	1.97E-02	9.01E-03	2.33E-01	2.69E-01	1.24E+01	1.97E-01	4.60E-02	1.29E+01	2.62E-01	1.57E-04	1.97E-02	9.01E-03	2.90E-01
2976	478876.63	3850071.93	2.04E-01	1.24E-04	1.95E-02	9.43E-03	2.33E-01	2.69E-01	1.19E+01	1.95E-01	4.82E-02	1.24E+01	2.61E-01	1.50E-04	1.95E-02	9.43E-03	2.90E-01
2977	478976.63	3850071.93	1.96E-01	1.15E-04	1.91E-02	1.00E-02	2.25E-01	2.58E-01	1.11E+01	1.91E-01	5.12E-02	1.16E+01	2.51E-01	1.40E-04	1.91E-02	1.00E-02	2.80E-01
2978	478726.63	3850121.93	1.98E-01	1.47E-04	2.01E-02	7.46E-03	2.26E-01	2.62E-01	1.41E+01	2.01E-01	3.81E-02	1.46E+01	2.54E-01	1.78E-04	2.01E-02	7.46E-03	2.82E-01
2979	478776.63	3850121.93	1.97E-01	1.42E-04	2.00E-02	7.88E-03	2.25E-01	2.60E-01	1.36E+01	2.00E-01	4.02E-02	1.41E+01	2.53E-01	1.72E-04	2.00E-02	7.88E-03	2.81E-01
2980	478826.63	3850121.93	2.01E-01	1.36E-04	1.99E-02	8.34E-03	2.30E-01	2.66E-01	1.31E+01	1.99E-01	4.26E-02	1.36E+01	2.58E-01	1.65E-04	1.99E-02	8.34E-03	2.86E-01
2981	478876.63	3850121.93	2.04E-01	1.31E-04	1.98E-02	8.82E-03	2.32E-01	2.69E-01	1.25E+01	1.98E-01	4.50E-02	1.30E+01	2.61E-01	1.58E-04	1.98E-02	8.82E-03	2.90E-01
2982	478976.63	3850121.93	2.00E-01	1.22E-04	1.95E-02	9.40E-03	2.29E-01	2.64E-01	1.17E+01	1.95E-01	4.80E-02	1.22E+01	2.57E-01	1.47E-04	1.95E-02	9.40E-03	2.86E-01
2983	479026.63	3850121.93	1.96E-01	1.17E-04	1.93E-02	9.68E-03	2.25E-01	2.59E-01	1.12E+01	1.93E-01	4.95E-02	1.17E+01	2.51E-01	1.42E-04	1.93E-02	9.68E-03	2.80E-01
2984	479076.63	3850121.93	1.90E-01	1.12E-04	1.91E-02	1.01E-02	2.20E-01	2.51E-01	1.08E+01	1.91E-01	5.14E-02	1.13E+01	2.44E-01	1.36E-04	1.91E-02	1.01E-02	2.73E-01
2985	479126.63	3850121.93	1.97E-01	1.08E-04	1.88E-02	1.04E-02	2.27E-01	2.61E-01	1.04E+01	1.88E-01	5.30E-02	1.09E+01	2.53E-01	1.31E-04	1.88E-02	1.04E-02	2.82E-01

2986	478776.63	3850171.93	1.99E-01	1.49E-04	2.03E-02	7.29E-03	2.26E-01	2.62E-01	1.42E+01	2.03E-01	3.72E-02	1.47E+01	2.55E-01	1.80E-04	2.03E-02	7.29E-03	2.82E-01
2987	478826.63	3850171.93	1.97E-01	1.43E-04	2.02E-02	7.75E-03	2.25E-01	2.60E-01	1.37E+01	2.02E-01	3.96E-02	1.42E+01	2.52E-01	1.73E-04	2.02E-02	7.75E-03	2.80E-01
2988	478876.63	3850171.93	2.01E-01	1.38E-04	2.00E-02	8.20E-03	2.29E-01	2.65E-01	1.32E+01	2.00E-01	4.19E-02	1.37E+01	2.58E-01	1.67E-04	2.00E-02	8.20E-03	2.86E-01
2989	478976.63	3850171.93	2.02E-01	1.28E-04	1.98E-02	8.78E-03	2.30E-01	2.66E-01	1.23E+01	1.98E-01	4.49E-02	1.28E+01	2.59E-01	1.55E-04	1.98E-02	8.78E-03	2.87E-01
2990	479026.63	3850171.93	1.99E-01	1.24E-04	1.96E-02	8.99E-03	2.28E-01	2.63E-01	1.18E+01	1.96E-01	4.59E-02	1.24E+01	2.55E-01	1.50E-04	1.96E-02	8.99E-03	2.84E-01
2991	479076.63	3850171.93	1.96E-01	1.19E-04	1.94E-02	9.38E-03	2.25E-01	2.59E-01	1.14E+01	1.94E-01	4.79E-02	1.19E+01	2.51E-01	1.44E-04	1.94E-02	9.38E-03	2.80E-01
2992	479126.63	3850171.93	1.91E-01	1.14E-04	1.92E-02	9.67E-03	2.20E-01	2.52E-01	1.09E+01	1.92E-01	4.94E-02	1.14E+01	2.44E-01	1.38E-04	1.92E-02	9.67E-03	2.74E-01
2993	479176.63	3850171.93	1.95E-01	1.10E-04	1.90E-02	9.83E-03	2.24E-01	2.58E-01	1.06E+01	1.90E-01	5.02E-02	1.11E+01	2.50E-01	1.33E-04	1.90E-02	9.83E-03	2.79E-01
2994	479226.63	3850171.93	2.05E-01	1.07E-04	1.88E-02	9.62E-03	2.33E-01	2.70E-01	1.03E+01	1.88E-01	4.92E-02	1.08E+01	2.62E-01	1.30E-04	1.88E-02	9.62E-03	2.91E-01
2995	479276.63	3850171.93	2.10E-01	1.05E-04	1.85E-02	9.35E-03	2.38E-01	2.78E-01	1.00E+01	1.85E-01	4.78E-02	1.05E+01	2.69E-01	1.27E-04	1.85E-02	9.35E-03	2.97E-01
2996	479326.63	3850171.93	2.19E-01	9.99E-05	1.82E-02	9.69E-03	2.47E-01	2.90E-01	9.58E+00	1.82E-01	4.95E-02	1.01E+01	2.81E-01	1.21E-04	1.82E-02	9.69E-03	3.09E-01
2997	479376.63	3850171.93	2.26E-01	9.50E-05	1.80E-02	1.00E-02	2.54E-01	2.98E-01	9.11E+00	1.80E-01	5.13E-02	9.64E+00	2.90E-01	1.15E-04	1.80E-02	1.00E-02	3.18E-01
2998	478676.63	3850221.93	2.01E-01	1.63E-04	2.05E-02	6.02E-03	2.28E-01	2.65E-01	1.56E+01	2.05E-01	3.08E-02	1.61E+01	2.58E-01	1.97E-04	2.05E-02	6.02E-03	2.84E-01
2999	478726.63	3850221.93	2.02E-01	1.59E-04	2.05E-02	6.36E-03	2.29E-01	2.66E-01	1.53E+01	2.05E-01	3.25E-02	1.58E+01	2.59E-01	1.93E-04	2.05E-02	6.36E-03	2.86E-01
3000	478976.63	3850221.93	2.00E-01	1.35E-04	2.01E-02	8.14E-03	2.28E-01	2.64E-01	1.29E+01	2.01E-01	4.16E-02	1.34E+01	2.56E-01	1.63E-04	2.01E-02	8.14E-03	2.84E-01
3001	479026.63	3850221.93	1.99E-01	1.30E-04	1.99E-02	8.37E-03	2.27E-01	2.63E-01	1.25E+01	1.99E-01	4.27E-02	1.30E+01	2.55E-01	1.58E-04	1.99E-02	8.37E-03	2.84E-01
3002	479076.63	3850221.93	1.98E-01	1.25E-04	1.97E-02	8.73E-03	2.27E-01	2.62E-01	1.20E+01	1.97E-01	4.46E-02	1.25E+01	2.54E-01	1.51E-04	1.97E-02	8.73E-03	2.83E-01
3003	479126.63	3850221.93	1.95E-01	1.20E-04	1.96E-02	9.01E-03	2.24E-01	2.58E-01	1.15E+01	1.96E-01	4.60E-02	1.20E+01	2.50E-01	1.46E-04	1.96E-02	9.01E-03	2.79E-01
3004	479176.63	3850221.93	1.89E-01	1.17E-04	1.94E-02	9.05E-03	2.17E-01	2.49E-01	1.12E+01	1.94E-01	4.62E-02	1.17E+01	2.42E-01	1.41E-04	1.94E-02	9.05E-03	2.70E-01
3005	479226.63	3850221.93	1.91E-01	1.13E-04	1.91E-02	9.03E-03	2.19E-01	2.52E-01	1.08E+01	1.91E-01	4.61E-02	1.13E+01	2.44E-01	1.37E-04	1.91E-02	9.03E-03	2.73E-01
3006	479276.63	3850221.93	2.00E-01	1.10E-04	1.89E-02	8.94E-03	2.28E-01	2.64E-01	1.05E+01	1.89E-01	4.57E-02	1.10E+01	2.56E-01	1.33E-04	1.89E-02	8.94E-03	2.84E-01
3007	479326.63	3850221.93	2.11E-01	1.05E-04	1.86E-02	9.32E-03	2.39E-01	2.79E-01	1.01E+01	1.86E-01	4.76E-02	1.06E+01	2.71E-01	1.27E-04	1.86E-02	9.32E-03	2.99E-01
3008	479376.63	3850221.93	2.19E-01	1.00E-04	1.84E-02	9.52E-03	2.47E-01	2.90E-01	9.64E+00	1.84E-01	4.86E-02	1.02E+01	2.81E-01	1.22E-04	1.84E-02	9.52E-03	3.09E-01
3009	478676.63	3850271.93	1.96E-01	1.68E-04	2.07E-02	5.59E-03	2.22E-01	2.58E-01	1.61E+01	2.07E-01	2.86E-02	1.66E+01	2.51E-01	2.04E-04	2.07E-02	5.59E-03	2.77E-01
3010	478726.63	3850271.93	1.99E-01	1.65E-04	2.07E-02	5.85E-03	2.26E-01	2.63E-01	1.59E+01	2.07E-01	2.99E-02	1.64E+01	2.55E-01	2.00E-04	2.07E-02	5.85E-03	2.82E-01
3011	478976.63	3850271.93	1.96E-01	1.42E-04	2.03E-02	7.62E-03	2.24E-01	2.59E-01	1.36E+01	2.03E-01	3.89E-02	1.41E+01	2.52E-01	1.72E-04	2.03E-02	7.62E-03	2.80E-01
3012	479026.63	3850271.93	1.97E-01	1.37E-04	2.02E-02	7.80E-03	2.25E-01	2.60E-01	1.31E+01	2.02E-01	3.98E-02	1.36E+01	2.53E-01	1.66E-04	2.02E-02	7.80E-03	2.81E-01
3013	479076.63	3850271.93	1.97E-01	1.32E-04	2.00E-02	8.07E-03	2.26E-01	2.61E-01	1.26E+01	2.00E-01	4.12E-02	1.31E+01	2.53E-01	1.60E-04	2.00E-02	8.07E-03	2.81E-01
3014	479126.63	3850271.93	1.96E-01	1.27E-04	1.99E-02	8.31E-03	2.24E-01	2.59E-01	1.22E+01	1.99E-01	4.24E-02	1.27E+01	2.51E-01	1.54E-04	1.99E-02	8.31E-03	2.79E-01
3015	479176.63	3850271.93	1.92E-01	1.23E-04	1.97E-02	8.43E-03	2.20E-01	2.53E-01	1.18E+01	1.97E-01	4.31E-02	1.23E+01	2.46E-01	1.49E-04	1.97E-02	8.43E-03	2.74E-01
3016	479226.63	3850271.93	1.86E-01	1.19E-04	1.95E-02	8.47E-03	2.14E-01	2.45E-01	1.14E+01	1.95E-01	4.32E-02	1.19E+01	2.38E-01	1.44E-04	1.95E-02	8.47E-03	2.66E-01
3017	479276.63	3850271.93	1.88E-01	1.15E-04	1.93E-02	8.59E-03	2.16E-01	2.48E-01	1.10E+01	1.93E-01	4.39E-02	1.15E+01	2.41E-01	1.39E-04	1.93E-02	8.59E-03	2.69E-01
3018	479326.63	3850271.93	2.01E-01	1.10E-04	1.90E-02	8.91E-03	2.29E-01	2.65E-01	1.05E+01	1.90E-01	4.55E-02	1.10E+01	2.57E-01	1.33E-04	1.90E-02	8.91E-03	2.85E-01
3019	479376.63	3850271.93	2.13E-01	1.05E-04	1.88E-02	9.34E-03	2.42E-01	2.82E-01	1.01E+01	1.88E-01	4.77E-02	1.06E+01	2.73E-01	1.27E-04	1.88E-02	9.34E-03	3.02E-01
3020	479053.24	3850293.52	1.95E-01	1.37E-04	2.02E-02	7.65E-03	2.23E-01	2.58E-01	1.32E+01	2.02E-01	3.91E-02	1.37E+01	2.50E-01	1.67E-04	2.02E-02	7.65E-03	2.79E-01
3021	479103.24	3850293.52	1.95E-01	1.32E-04	2.01E-02	7.88E-03	2.23E-01	2.58E-01	1.27E+01	2.01E-01	4.02E-02	1.32E+01	2.50E-01	1.60E-04	2.01E-02	7.88E-03	2.78E-01
3022	479153.24	3850293.52	1.94E-01	1.27E-04	1.99E-02	8.15E-03	2.23E-01	2.57E-01	1.22E+01	1.99E-01	4.16E-02	1.27E+01	2.49E-01	1.54E-04	1.99E-02	8.15E-03	2.77E-01
3023	479203.24	3850293.52	1.90E-01	1.23E-04	1.97E-02	8.21E-03	2.18E-01	2.51E-01	1.18E+01	1.97E-01	4.20E-02	1.23E+01	2.43E-01	1.49E-04	1.97E-02	8.21E-03	2.71E-01
3024	479253.24	3850293.52	1.85E-01	1.19E-04	1.95E-02	8.33E-03	2.13E-01	2.44E-01	1.14E+01	1.95E-01	4.25E-02	1.19E+01	2.37E-01	1.44E-04	1.95E-02	8.33E-03	2.65E-01
3025	479303.24	3850293.52	1.90E-01	1.14E-04	1.93E-02	8.62E-03	2.18E-01	2.51E-01	1.10E+01	1.93E-01	4.40E-02	1.15E+01	2.43E-01	1.39E-04	1.93E-02	8.62E-03	2.71E-01
3026	479353.24	3850293.52	2.03E-01	1.09E-04	1.91E-02	9.01E-03	2.31E-01	2.68E-01	1.05E+01	1.91E-01	4.60E-02	1.10E+01	2.60E-01	1.33E-04	1.91E-02	9.01E-03	2.89E-01
3027	479153.24	3850343.52	1.92E-01	1.34E-04	2.02E-02	7.52E-03	2.20E-01	2.54E-01	1.29E+01	2.02E-01	3.84E-02	1.34E+01	2.46E-01	1.63E-04	2.02E-02	7.52E-03	2.74E-01
3028	479203.24	3850343.52	1.76E-01	1.30E-04	2.01E-02	7.66E-03	2.04E-01	2.32E-01	1.24E+01	2.01E-01	3.91E-02	1.29E+01	2.25E-01	1.57E-04	2.01E-02	7.66E-03	2.53E-01
3029	479253.24	3850343.52	1.89E-01	1.25E-04	1.99E-02	7.95E-03	2.17E-01	2.49E-01	1.20E+01	1.99E-01	4.06E-02	1.24E+01	2.42E-01	1.51E-04	1.99E-02	7.95E-03	2.70E-01
3030	479303.24	3850343.52	1.87E-01	1.20E-04	1.97E-02	8.29E-03	2.15E-01	2.47E-01	1.15E+01	1.97E-01	4.24E-02	1.19E+01	2.40E-01	1.45E-04	1.97E-02	8.29E-03	2.68E-01
3031	479353.24	3850343.52	1.91E-01	1.14E-04	1.95E-02	8.65E-03	2.19E-01	2.52E-01	1.10E+01	1.95E-01	4.42E-02	1.15E+01	2.45E-01	1.39E-04	1.95E-02	8.65E-03	2.73E-01
3032	479203.24	3850393.52	1.78E-01	1.36E-04	2.04E-02	7.22E-03	2.06E-01	2.35E-01	1.31E+01	2.04E-01	3.69E-02	1.35E+01	2.28E-01	1.65E-04	2.04E-02	7.22E-03	2.56E-01
3033	479253.24	3850393.52	1.78E-01	1.31E-04	2.02E-02	7.51E-03	2.06E-01	2.35E-01	1.25E+01	2.02E-01	3.84E-02	1.30E+01	2.28E-01	1.58E-04	2.02E-02	7.51E-03	2.56E-01
3034	479303.24	3850393.52	1.76E-01	1.25E-04	2.00E-02	7.86E-03	2.04E-01	2.33E-01	1.20E+01	2.00E-01	4.02E-02	1.25E+01	2.26E-01	1.52E-04	2.00E-02	7.86E-03	2.54E-01
3035	479353.24	3850393.52	1.89E-01	1.20E-04	1.98E-02	8.24E-03	2.17E-01	2.50E-01	1.15E+01	1.98E-01	4.21E-02	1.20E+01	2.42E-01	1.45E-04	1.98E-02	8.24E-03	2.70E-01
3036	479403.24	3850393.52	1.91E-01	1.15E-04	1.96E-02	8.60E-03	2.20E-01	2.53E-01	1.10E+01	1.96E-01	4.39E-02	1.15E+01	2.45E-01	1.39E-04	1.96E-02	8.60E-03	2.74E-01
3037	479453.24	3850393.52	2.06E-01	1.10E-04	1.94E-02	9.06E-03	2.35E-01	2.72E-01	1.05E+01	1.94E-01	4.63E-02	1.10E+01	2.64E-01	1.33E-04	1.94E-02	9.06E-03	2.93E-01
3038	479503.24	3850393.52	2.21E-01	1.04E-04	1.91E-02	9.58E-03	2.49E-01	2.91E-01	9.98E+00	1.91E-01	4.89E-02	1.05E+01	2.83E-01	1.26E-04	1.91E-02	9.58E-03	3.12E-01
3039	479303.24	3850443.52	1.80E-01	1.31E-04	2.03E-02	7.53E-03	2.08E-01	2.38E-01	1.26E+01	2.03E-01	3.85E-02	1.30E+01	2.31E-01	1.59E-04	2.03E-02	7.53E-03	2.59E-01
3040	479353.24	3850443.52	1.94E-01	1.25E-04	2.02E-02	7.99E-03	2.22E-01	2.56E-01	1.20E+01	2.02E-01	4.08E-02	1.25E+01	2.49E-01	1.52E-04	2.02E-02	7.99E-03	2.77E-01
3041	479403.24	3850443.52	1.94E-01	1.19E-04	2.00E-02	8.47E-03	2.23E-01	2.57E-01	1.15E+01	2.00E-01	4.33E-02	1.20E+01	2.49E-01	1.45E-04	2.00E-02	8.47E-03	2.78E-01
3042	479453.24	3850443.52	1.95E-01	1.14E-04	1.97E-02	8.95E-03	2.24E-01	2.58E-01	1.09E+01	1.97E-01	4.57E-02	1.14E+01	2.50E-01	1.38E-04	1.97E-02	8.95E-03	2.79E-01
3043	479503.24	3850443.52	2.11E-01	1.08E-04	1.95E-02	9.45E-03	2.40E-01	2.79E-01	1.04E+01	1.95E-01	4.83E-02	1.09E+01	2.70E-01	1.31E-04	1.95E-02	9.45E-03	3.00E-01
3044	480327.18	3850987.04	2.29E-01	1.24E-04	1.96E-02	6.45E-03	2.55E-01	3.02E-01	1.19E+01	1.96E-01	3.29E-02	1.24E+01	2.94E-01	1.50E-04	1.96E-02	6.45E-03	3.20E-01
3045	480377.18	3850987.04	2.25E-01	1.25E-04	1.92E-02	6.60E-03	2.50E-01	2.97E-01	1.19E+01	1.92E-01	3.37E-02	1.25E+01	2.88E-01	1.51E-04	1.92E-02	6.60E-03	3.14E-01
3046	480427.18	3850987.04	2.24E-01	1.24E-04	1.89E-02	6.85E-03	2.50E-01	2.96E-01	1.19E+01	1.89E-01	3.50E-02	1.24E+01	2.87E-01	1.50E-04	1.89E-02	6.85E-03	3.13E-01

3047	480477.18	3850987.04	2.41E-01	1.22E-04	1.85E-02	7.15E-03	2.66E-01	3.18E-01	1.17E+01	1.85E-01	3.65E-02	1.22E+01	3.08E-01	1.48E-04	1.85E-02	7.15E-03	3.34E-01
3048	480327.18	3851037.04	2.33E-01	1.25E-04	2.01E-02	6.20E-03	2.60E-01	3.08E-01	1.19E+01	2.01E-01	3.17E-02	1.25E+01	2.99E-01	1.51E-04	2.01E-02	6.20E-03	3.26E-01
3049	480377.18	3851037.04	2.32E-01	1.26E-04	1.98E-02	6.37E-03	2.58E-01	3.07E-01	1.21E+01	1.98E-01	3.26E-02	1.26E+01	2.98E-01	1.52E-04	1.98E-02	6.37E-03	3.24E-01
3050	480427.18	3851037.04	2.28E-01	1.26E-04	1.94E-02	6.59E-03	2.54E-01	3.01E-01	1.21E+01	1.94E-01	3.37E-02	1.26E+01	2.92E-01	1.52E-04	1.94E-02	6.59E-03	3.18E-01
3051	480477.18	3851037.04	2.27E-01	1.25E-04	1.90E-02	6.76E-03	2.53E-01	3.00E-01	1.20E+01	1.90E-01	3.45E-02	1.25E+01	2.91E-01	1.52E-04	1.90E-02	6.76E-03	3.17E-01
3052	480622.06	3851087.39	2.65E-01	1.22E-04	1.84E-02	6.89E-03	2.90E-01	3.49E-01	1.17E+01	1.84E-01	3.52E-02	1.22E+01	3.39E-01	1.47E-04	1.84E-02	6.89E-03	3.65E-01
3053	480672.06	3851087.39	2.83E-01	1.18E-04	1.80E-02	6.97E-03	3.08E-01	3.74E-01	1.13E+01	1.80E-01	3.56E-02	1.19E+01	3.63E-01	1.43E-04	1.80E-02	6.97E-03	3.88E-01
3054	480622.06	3851137.39	2.49E-01	1.26E-04	1.90E-02	6.50E-03	2.74E-01	3.28E-01	1.21E+01	1.90E-01	3.32E-02	1.26E+01	3.19E-01	1.53E-04	1.90E-02	6.50E-03	3.44E-01
3055	480672.06	3851137.39	2.68E-01	1.23E-04	1.86E-02	6.63E-03	2.94E-01	3.55E-01	1.18E+01	1.86E-01	3.39E-02	1.23E+01	3.44E-01	1.49E-04	1.86E-02	6.63E-03	3.70E-01
3056	480722.06	3851137.39	2.87E-01	1.19E-04	1.82E-02	6.68E-03	3.12E-01	3.80E-01	1.14E+01	1.82E-01	3.41E-02	1.20E+01	3.68E-01	1.44E-04	1.82E-02	6.68E-03	3.93E-01
3057	480622.06	3851187.39	2.35E-01	1.30E-04	1.96E-02	6.16E-03	2.61E-01	3.11E-01	1.25E+01	1.96E-01	3.15E-02	1.30E+01	3.02E-01	1.57E-04	1.96E-02	6.16E-03	3.28E-01
3058	480672.06	3851187.39	2.52E-01	1.27E-04	1.92E-02	6.25E-03	2.78E-01	3.33E-01	1.22E+01	1.92E-01	3.20E-02	1.28E+01	3.23E-01	1.54E-04	1.92E-02	6.25E-03	3.49E-01
3059	480722.06	3851187.39	2.72E-01	1.24E-04	1.88E-02	6.30E-03	2.98E-01	3.60E-01	1.19E+01	1.88E-01	3.22E-02	1.25E+01	3.49E-01	1.50E-04	1.88E-02	6.30E-03	3.74E-01
3060	471363.09	3845877.25	4.44E-02	4.77E-05	1.01E-02	6.65E-03	6.12E-02	5.86E-02	4.58E+00	1.01E-01	3.39E-02	4.77E+00	5.69E-02	5.78E-05	1.01E-02	6.65E-03	7.37E-02
3061	471863.09	3845877.25	4.04E-02	4.28E-05	1.17E-02	6.59E-03	5.87E-02	5.34E-02	4.11E+00	1.17E-01	3.37E-02	4.31E+00	5.18E-02	5.19E-05	1.17E-02	6.59E-03	7.01E-02
3062	472363.09	3845877.25	5.11E-02	4.21E-05	1.30E-02	6.24E-03	7.04E-02	6.75E-02	4.04E+00	1.30E-01	3.19E-02	4.27E+00	6.55E-02	5.11E-05	1.30E-02	6.24E-03	8.48E-02
3063	472863.09	3845877.25	5.03E-02	2.63E-05	1.38E-02	5.63E-03	6.98E-02	6.64E-02	2.52E+00	1.38E-01	2.88E-02	2.75E+00	6.45E-02	3.18E-05	1.38E-02	5.63E-03	8.39E-02
3064	473363.09	3845877.25	4.67E-02	2.23E-05	1.40E-02	4.85E-03	6.57E-02	6.18E-02	2.13E+00	1.40E-01	2.48E-02	2.36E+00	5.99E-02	2.70E-05	1.40E-02	4.85E-03	7.89E-02
3065	473863.09	3845877.25	7.84E-02	2.37E-05	1.36E-02	4.02E-03	9.60E-02	1.04E-01	2.27E+00	1.36E-01	2.06E-02	2.53E+00	1.00E-01	2.87E-05	1.36E-02	4.02E-03	1.18E-01
3066	474363.09	3845877.25	7.21E-02	4.08E-05	1.24E-02	3.24E-03	8.78E-02	9.53E-02	3.91E+00	1.24E-01	1.66E-02	4.15E+00	9.25E-02	4.94E-05	1.24E-02	3.24E-03	1.08E-01
3067	474863.09	3845877.25	8.77E-02	4.52E-05	1.07E-02	3.78E-03	1.02E-01	1.16E-01	4.33E+00	1.07E-01	1.93E-02	4.58E+00	1.12E-01	5.48E-05	1.07E-02	3.78E-03	1.27E-01
3068	475363.09	3845877.25	9.29E-02	3.53E-05	8.78E-03	7.79E-03	1.09E-01	1.23E-01	3.38E+00	8.78E-02	3.98E-02	3.63E+00	1.19E-01	4.27E-05	8.78E-03	7.79E-03	1.36E-01
3069	475863.09	3845877.25	9.91E-02	3.03E-05	6.78E-03	8.12E-03	1.14E-01	1.31E-01	2.90E+00	6.78E-02	4.15E-02	3.14E+00	1.27E-01	3.67E-05	6.78E-03	8.12E-03	1.42E-01
3070	476363.09	3845877.25	1.04E-01	2.43E-05	5.70E-03	5.54E-03	1.15E-01	1.37E-01	2.33E+00	5.70E-02	2.83E-02	2.56E+00	1.33E-01	2.95E-05	5.70E-03	5.54E-03	1.45E-01
3071	476863.09	3845877.25	8.27E-02	2.94E-05	9.06E-03	3.33E-03	9.51E-02	1.09E-01	2.82E+00	9.06E-02	1.70E-02	3.04E+00	1.06E-01	3.57E-05	9.06E-03	3.33E-03	1.18E-01
3072	477363.09	3845877.25	6.17E-02	3.06E-05	1.89E-02	2.97E-03	8.36E-02	8.15E-02	2.93E+00	1.89E-01	1.52E-02	3.22E+00	7.91E-02	3.70E-05	1.89E-02	2.97E-03	1.01E-01
3073	477863.09	3845877.25	5.71E-02	2.95E-05	2.05E-02	3.15E-03	8.07E-02	7.54E-02	2.83E+00	2.05E-01	1.61E-02	3.13E+00	7.32E-02	3.58E-05	2.05E-02	3.15E-03	9.68E-02
3074	478363.09	3845877.25	7.78E-02	2.56E-05	1.37E-02	3.45E-03	9.51E-02	1.03E-01	2.45E+00	1.37E-01	1.76E-02	2.71E+00	9.98E-02	3.10E-05	1.37E-02	3.45E-03	1.17E-01
3075	478863.09	3845877.25	7.54E-02	1.88E-05	7.54E-03	3.60E-03	8.65E-02	9.95E-02	1.80E+00	7.54E-02	1.84E-02	1.99E+00	9.66E-02	2.27E-05	7.54E-03	3.60E-03	1.08E-01
3076	479363.09	3845877.25	4.94E-02	1.69E-05	7.95E-03	3.57E-03	6.09E-02	6.53E-02	1.62E+00	7.95E-02	1.83E-02	1.79E+00	6.33E-02	2.05E-05	7.95E-03	3.57E-03	7.49E-02
3077	479863.09	3845877.25	3.34E-02	1.64E-05	7.96E-03	3.83E-03	4.52E-02	4.41E-02	1.57E+00	7.96E-02	1.95E-02	1.72E+00	4.28E-02	1.99E-05	7.96E-03	3.83E-03	5.46E-02
3078	480363.09	3845877.25	2.86E-02	1.78E-05	6.69E-03	4.37E-03	3.97E-02	3.78E-02	1.70E+00	6.69E-02	2.23E-02	1.83E+00	3.67E-02	2.15E-05	6.69E-03	4.37E-03	4.78E-02
3079	480863.09	3845877.25	1.69E-02	1.50E-05	7.88E-03	4.66E-03	2.95E-02	2.24E-02	1.44E+00	7.88E-02	2.38E-02	1.56E+00	2.17E-02	1.82E-05	7.88E-03	4.66E-03	3.43E-02
3080	481363.09	3845877.25	2.47E-02	1.42E-05	8.66E-03	4.71E-03	3.81E-02	3.27E-02	1.36E+00	8.66E-02	2.41E-02	1.51E+00	3.17E-02	1.72E-05	8.66E-03	4.71E-03	4.51E-02
3081	481863.09	3845877.25	3.20E-02	2.76E-05	8.82E-03	4.59E-03	4.54E-02	4.23E-02	2.64E+00	8.82E-02	2.35E-02	2.80E+00	4.10E-02	3.34E-05	8.82E-03	4.59E-03	5.45E-02
3082	482363.09	3845877.25	3.41E-02	3.49E-05	9.86E-03	4.39E-03	4.84E-02	4.50E-02	3.35E+00	9.86E-02	2.24E-02	3.51E+00	4.37E-02	4.23E-05	9.86E-03	4.39E-03	5.80E-02
3083	482863.09	3845877.25	2.48E-02	3.02E-05	1.23E-02	4.13E-03	4.13E-02	3.28E-02	2.89E+00	1.23E-01	2.11E-02	3.07E+00	3.18E-02	3.65E-05	1.23E-02	4.13E-03	4.83E-02
3084	483363.09	3845877.25	2.01E-02	2.22E-05	1.52E-02	3.81E-03	3.92E-02	2.66E-02	2.13E+00	1.52E-01	1.95E-02	2.33E+00	2.58E-02	2.69E-05	1.52E-02	3.81E-03	4.49E-02
3085	483863.09	3845877.25	4.82E-02	1.61E-05	1.65E-02	3.39E-03	6.81E-02	6.37E-02	1.55E+00	1.65E-01	1.73E-02	1.79E+00	6.18E-02	1.96E-05	1.65E-02	3.39E-03	8.17E-02
3086	484363.09	3845877.25	5.33E-02	1.67E-05	1.84E-02	3.71E-03	7.55E-02	7.04E-02	1.60E+00	1.84E-01	1.90E-02	1.88E+00	6.84E-02	2.02E-05	1.84E-02	3.71E-03	9.05E-02
3087	484863.09	3845877.25	5.19E-02	2.86E-05	1.51E-02	4.08E-03	7.11E-02	6.85E-02	2.75E+00	1.51E-01	2.09E-02	2.99E+00	6.65E-02	3.47E-05	1.51E-02	4.08E-03	8.57E-02
3088	485363.09	3845877.25	3.80E-02	3.19E-05	1.26E-02	3.58E-03	5.42E-02	5.02E-02	3.06E+00	1.26E-01	1.83E-02	3.26E+00	4.88E-02	3.87E-05	1.26E-02	3.58E-03	6.49E-02
3089	485863.09	3845877.25	2.18E-02	3.03E-05	1.00E-02	2.74E-03	3.46E-02	2.88E-02	2.91E+00	1.00E-01	1.40E-02	3.05E+00	2.79E-02	3.67E-05	1.00E-02	2.74E-03	4.07E-02
3090	486363.09	3845877.25	1.86E-02	3.61E-05	1.03E-02	2.72E-03	3.17E-02	2.46E-02	3.46E+00	1.03E-01	1.39E-02	3.60E+00	2.39E-02	4.37E-05	1.03E-02	2.72E-03	3.70E-02
3091	486863.09	3845877.25	1.61E-02	3.01E-05	1.02E-02	2.77E-03	2.90E-02	2.12E-02	2.89E+00	1.02E-01	1.41E-02	3.03E+00	2.06E-02	3.65E-05	1.02E-02	2.77E-03	3.35E-02
3092	487363.09	3845877.25	1.47E-02	1.40E-05	1.23E-02	2.81E-03	2.98E-02	1.94E-02	1.34E+00	1.23E-01	1.43E-02	1.50E+00	1.88E-02	1.70E-05	1.23E-02	2.81E-03	3.39E-02
3093	487863.09	3845877.25	9.37E-03	1.23E-05	1.35E-02	2.91E-03	2.58E-02	1.24E-02	1.18E+00	1.35E-01	1.49E-02	1.34E+00	1.20E-02	1.49E-05	1.35E-02	2.91E-03	2.85E-02
3094	488363.09	3845877.25	1.11E-02	1.01E-05	1.42E-02	3.55E-03	2.89E-02	1.47E-02	9.65E-01	1.42E-01	1.81E-02	1.14E+00	1.43E-02	1.22E-05	1.42E-02	3.55E-03	3.20E-02
3095	488863.09	3845877.25	1.15E-02	1.47E-05	2.27E-02	4.07E-03	3.82E-02	1.51E-02	1.41E+00	2.27E-01	2.08E-02	1.67E+00	1.47E-02	1.78E-05	2.27E-02	4.07E-03	4.15E-02
3096	489363.09	3845877.25	1.15E-02	1.58E-05	1.66E-02	3.91E-03	3.20E-02	1.52E-02	1.52E+00	1.66E-01	2.00E-02	1.72E+00	1.47E-02	1.92E-05	1.66E-02	3.91E-03	3.52E-02
3097	489863.09	3845877.25	1.10E-02	8.60E-06	1.21E-02	3.14E-03	2.63E-02	1.46E-02	8.25E-01	1.21E-01	1.60E-02	9.77E-01	1.41E-02	1.04E-05	1.21E-02	3.14E-03	2.94E-02
3098	490363.09	3845877.25	8.07E-03	1.17E-05	1.07E-02	2.16E-03	2.09E-02	1.07E-02	1.12E+00	1.07E-01	1.10E-02	1.25E+00	1.03E-02	1.42E-05	1.07E-02	2.16E-03	2.32E-02
3099	490863.09	3845877.25	1.00E-02	1.43E-05	1.04E-02	1.96E-03	2.24E-02	1.32E-02	1.37E+00	1.04E-01	1.00E-02	1.50E+00	1.28E-02	1.73E-05	1.04E-02	1.96E-03	2.52E-02
3100	491363.09	3845877.25	1.06E-02	1.64E-05	1.19E-02	2.21E-03	2.48E-02	1.40E-02	1.58E+00	1.19E-01	1.13E-02	1.72E+00	1.36E-02	1.99E-05	1.19E-02	2.21E-03	2.77E-02
3101	491863.09	3845877.25	1.78E-02	1.91E-05	1.31E-02	2.47E-03	3.34E-02	2.35E-02	1.83E+00	1.31E-01	1.26E-02	2.00E+00	2.28E-02	2.31E-05	1.31E-02	2.47E-03	3.84E-02
3102	492363.09	3845877.25	2.84E-02	2.06E-05	1.08E-02	2.42E-03	4.16E-02	3.75E-02	1.98E+00	1.08E-01	1.23E-02	2.13E+00	3.64E-02	2.50E-05	1.08E-02	2.42E-03	4.96E-02
3103	492863.09	3845877.25	3.29E-02	1.97E-05	9.38E-03	2.31E-03	4.47E-02	4.35E-02	1.89E+00	9.38E-02	1.18E-02	2.04E+00	4.22E-02	2.39E-05	9.38E-03	2.31E-03	5.40E-02
3104	493363.09	3845877.25	3.38E-02	1.69E-05	8.76E-03	2.15E-03	4.48E-02	4.47E-02	1.62E+00	8.76E-02	1.10E-02	1.76E+00	4.34E-02	2.05E-05	8.76E-03	2.15E-03	5.43E-02
3105	493863.09	3845877.25	3.38E-02	1.35E-05	8.21E-03	1.67E-03	4.37E-02	4.47E-02	1.30E+00	8.21E-02	8.55E-03	1.43E+00	4.34E-02	1.64E-05	8.21E-03	1.67E-03	5.33E-02
3106	494363.09	3845877.25	3.35E-02	1.05E-05	1.04E-02	1.80E-03	4.57E-02	4.42E-02	1.01E+00	1.04E-01	9.18E-03	1.17E+00	4.29E-02	1.28E-05	1.04E-02	1.80E-03	5.51E-02
3107	494863.09	3845877.25	3.14E-02	8.79E-06	1.16E-02	1.89E-03	4.49E-02	4.14E-02	8.43E-01	1.16E-01	9.67E-03	1.01E+00	4.02E-02	1.07E-05	1.16E-02	1.89E-03	5.37E-02

3108	495363.09	3845877.25	2.48E-02	9.70E-06	1.14E-02	2.02E-03	3.83E-02	3.28E-02	9.31E-01	1.14E-01	1.03E-02	1.09E+00	3.18E-02	1.18E-05	1.14E-02	2.02E-03	4.53E-02
3109	495863.09	3845877.25	1.44E-02	1.37E-05	9.91E-03	2.05E-03	2.63E-02	1.90E-02	1.31E+00	9.91E-02	1.05E-02	1.44E+00	1.84E-02	1.65E-05	9.91E-03	2.05E-03	3.04E-02
3110	496363.09	3845877.25	8.66E-03	1.85E-05	1.02E-02	2.23E-03	2.11E-02	1.14E-02	1.78E+00	1.02E-01	1.14E-02	1.90E+00	1.11E-02	2.24E-05	1.02E-02	2.23E-03	2.36E-02
3111	496863.09	3845877.25	1.00E-02	2.12E-05	1.36E-02	2.43E-03	2.60E-02	1.33E-02	2.03E+00	1.36E-01	1.24E-02	2.19E+00	1.29E-02	2.57E-05	1.36E-02	2.43E-03	2.89E-02
3112	497363.09	3845877.25	1.16E-02	2.10E-05	1.55E-02	2.55E-03	2.96E-02	1.54E-02	2.01E+00	1.55E-01	1.30E-02	2.20E+00	1.49E-02	2.54E-05	1.55E-02	2.55E-03	3.29E-02
3113	497863.09	3845877.25	1.41E-02	2.12E-05	1.50E-02	2.58E-03	3.17E-02	1.86E-02	2.04E+00	1.50E-01	1.32E-02	2.22E+00	1.80E-02	2.57E-05	1.50E-02	2.58E-03	3.56E-02
3114	498363.09	3845877.25	1.49E-02	2.42E-05	1.26E-02	2.53E-03	3.01E-02	1.97E-02	2.32E+00	1.26E-01	1.29E-02	2.48E+00	1.91E-02	2.93E-05	1.26E-02	2.53E-03	3.43E-02
3115	471363.09	3846377.25	7.37E-02	5.63E-05	8.24E-03	6.53E-03	8.85E-02	9.73E-02	5.40E+00	8.24E-02	3.34E-02	5.61E+00	9.45E-02	6.82E-05	8.24E-03	6.53E-03	1.09E-01
3116	471863.09	3846377.25	9.31E-02	5.03E-05	9.96E-03	6.86E-03	1.10E-01	1.23E-01	4.83E+00	9.96E-02	3.51E-02	5.08E+00	1.19E-01	6.10E-05	9.96E-03	6.86E-03	1.36E-01
3117	472363.09	3846377.25	4.63E-02	4.53E-05	1.16E-02	6.89E-03	6.48E-02	6.11E-02	4.35E+00	1.16E-01	3.52E-02	4.56E+00	5.93E-02	5.49E-05	1.16E-02	6.89E-03	7.79E-02
3118	472863.09	3846377.25	4.87E-02	3.87E-05	1.31E-02	6.57E-03	6.84E-02	6.43E-02	3.71E+00	1.31E-01	3.36E-02	3.94E+00	6.24E-02	4.69E-05	1.31E-02	6.57E-03	8.22E-02
3119	473363.09	3846377.25	5.91E-02	2.82E-05	1.42E-02	5.95E-03	7.93E-02	7.81E-02	2.70E+00	1.42E-01	3.04E-02	2.96E+00	7.58E-02	3.42E-05	1.42E-02	5.95E-03	9.60E-02
3120	473863.09	3846377.25	6.42E-02	2.70E-05	1.46E-02	5.14E-03	8.39E-02	8.48E-02	2.59E+00	1.46E-01	2.62E-02	2.85E+00	8.23E-02	3.27E-05	1.46E-02	5.14E-03	1.02E-01
3121	474363.09	3846377.25	9.27E-02	3.31E-05	1.42E-02	4.25E-03	1.11E-01	1.22E-01	3.17E+00	1.42E-01	2.17E-02	3.46E+00	1.19E-01	4.01E-05	1.42E-02	4.25E-03	1.37E-01
3122	474863.09	3846377.25	9.23E-02	5.08E-05	1.31E-02	3.41E-03	1.09E-01	1.22E-01	4.87E+00	1.31E-01	1.74E-02	5.14E+00	1.18E-01	6.15E-05	1.31E-02	3.41E-03	1.35E-01
3123	475363.09	3846377.25	1.09E-01	5.11E-05	1.14E-02	5.88E-03	1.26E-01	1.44E-01	4.90E+00	1.14E-01	3.01E-02	5.19E+00	1.39E-01	6.19E-05	1.14E-02	5.88E-03	1.57E-01
3124	475863.09	3846377.25	1.09E-01	3.95E-05	9.35E-03	1.03E-02	1.29E-01	1.44E-01	3.79E+00	9.35E-02	5.28E-02	4.08E+00	1.39E-01	4.79E-05	9.35E-03	1.03E-02	1.59E-01
3125	476363.09	3846377.25	1.07E-01	3.14E-05	7.20E-03	8.85E-03	1.23E-01	1.42E-01	3.01E+00	7.20E-02	4.52E-02	3.27E+00	1.38E-01	3.81E-05	7.20E-03	8.85E-03	1.54E-01
3126	476863.09	3846377.25	1.09E-01	2.67E-05	5.88E-03	5.94E-03	1.21E-01	1.44E-01	2.56E+00	5.88E-02	3.04E-02	2.79E+00	1.40E-01	3.24E-05	5.88E-03	5.94E-03	1.52E-01
3127	477363.09	3846377.25	9.05E-02	3.02E-05	1.19E-02	3.64E-03	1.06E-01	1.19E-01	2.90E+00	1.19E-01	1.86E-02	3.16E+00	1.16E-01	3.66E-05	1.19E-02	3.64E-03	1.32E-01
3128	477863.09	3846377.25	5.90E-02	3.06E-05	2.25E-02	3.59E-03	8.51E-02	7.79E-02	2.94E+00	2.25E-01	1.83E-02	3.26E+00	7.56E-02	3.71E-05	2.25E-02	3.59E-03	1.02E-01
3129	478363.09	3846377.25	6.76E-02	2.90E-05	2.43E-02	4.23E-03	9.61E-02	8.93E-02	2.78E+00	2.43E-01	2.16E-02	3.13E+00	8.66E-02	3.51E-05	2.43E-02	4.23E-03	1.15E-01
3130	478863.09	3846377.25	8.35E-02	2.39E-05	1.61E-02	3.65E-03	1.03E-01	1.10E-01	2.29E+00	1.61E-01	1.87E-02	2.58E+00	1.07E-01	2.90E-05	1.61E-02	3.65E-03	1.27E-01
3131	479363.09	3846377.25	6.94E-02	1.74E-05	7.82E-03	3.72E-03	8.09E-02	9.16E-02	1.67E+00	7.82E-02	1.90E-02	1.86E+00	8.89E-02	2.11E-05	7.82E-03	3.72E-03	1.00E-01
3132	479863.09	3846377.25	4.73E-02	1.68E-05	8.37E-03	3.68E-03	5.94E-02	6.25E-02	1.61E+00	8.37E-02	1.88E-02	1.78E+00	6.06E-02	2.04E-05	8.37E-03	3.68E-03	7.27E-02
3133	480363.09	3846377.25	3.37E-02	1.84E-05	7.81E-03	4.33E-03	4.59E-02	4.46E-02	1.76E+00	7.81E-02	2.21E-02	1.91E+00	4.33E-02	2.22E-05	7.81E-03	4.33E-03	5.54E-02
3134	480863.09	3846377.25	2.74E-02	1.59E-05	7.47E-03	4.73E-03	3.96E-02	3.62E-02	1.53E+00	7.47E-02	2.42E-02	1.66E+00	3.51E-02	1.93E-05	7.47E-03	4.73E-03	4.74E-02
3135	481363.09	3846377.25	2.60E-02	1.39E-05	8.58E-03	4.84E-03	3.94E-02	3.43E-02	1.33E+00	8.58E-02	2.47E-02	1.48E+00	3.33E-02	1.68E-05	8.58E-03	4.84E-03	4.68E-02
3136	481863.09	3846377.25	2.87E-02	2.55E-05	9.13E-03	4.74E-03	4.26E-02	3.79E-02	2.44E+00	9.13E-02	2.42E-02	2.60E+00	3.67E-02	3.09E-05	9.13E-03	4.74E-03	5.06E-02
3137	482363.09	3846377.25	3.54E-02	3.53E-05	9.09E-03	4.54E-03	4.91E-02	4.68E-02	3.38E+00	9.09E-02	2.32E-02	3.54E+00	4.54E-02	4.27E-05	9.09E-03	4.54E-03	5.91E-02
3138	482863.09	3846377.25	2.92E-02	3.15E-05	1.18E-02	4.30E-03	4.53E-02	3.86E-02	3.02E+00	1.18E-01	2.19E-02	3.20E+00	3.75E-02	3.81E-05	1.18E-02	4.30E-03	5.36E-02
3139	483363.09	3846377.25	1.65E-02	2.35E-05	1.45E-02	4.00E-03	3.50E-02	2.18E-02	2.26E+00	1.45E-01	2.04E-02	2.44E+00	2.11E-02	2.85E-05	1.45E-02	4.00E-03	3.97E-02
3140	483863.09	3846377.25	4.66E-02	1.70E-05	1.68E-02	3.61E-03	6.70E-02	6.16E-02	1.63E+00	1.68E-01	1.84E-02	1.88E+00	5.98E-02	2.06E-05	1.68E-02	3.61E-03	8.02E-02
3141	484363.09	3846377.25	5.34E-02	1.58E-05	1.85E-02	3.83E-03	7.57E-02	7.05E-02	1.51E+00	1.85E-01	1.95E-02	1.79E+00	6.84E-02	1.91E-05	1.85E-02	3.83E-03	9.07E-02
3142	484863.09	3846377.25	5.25E-02	2.74E-05	1.72E-02	4.13E-03	7.39E-02	6.94E-02	2.63E+00	1.72E-01	2.11E-02	2.89E+00	6.73E-02	3.32E-05	1.72E-02	4.13E-03	8.87E-02
3143	485363.09	3846377.25	4.14E-02	3.24E-05	1.32E-02	3.54E-03	5.81E-02	5.46E-02	3.10E+00	1.32E-01	1.81E-02	3.31E+00	5.30E-02	3.92E-05	1.32E-02	3.54E-03	6.98E-02
3144	485863.09	3846377.25	2.21E-02	2.99E-05	1.01E-02	2.74E-03	3.49E-02	2.91E-02	2.87E+00	1.01E-01	1.40E-02	3.01E+00	2.83E-02	3.62E-05	1.01E-02	2.74E-03	4.11E-02
3145	486363.09	3846377.25	1.88E-02	3.57E-05	1.07E-02	2.72E-03	3.23E-02	2.49E-02	3.43E+00	1.07E-01	1.39E-02	3.57E+00	2.41E-02	4.33E-05	1.07E-02	2.72E-03	3.76E-02
3146	486863.09	3846377.25	1.61E-02	3.22E-05	1.03E-02	2.79E-03	2.92E-02	2.13E-02	3.09E+00	1.03E-01	1.42E-02	3.23E+00	2.06E-02	3.90E-05	1.03E-02	2.79E-03	3.38E-02
3147	487363.09	3846377.25	1.45E-02	1.41E-05	1.27E-02	2.86E-03	3.01E-02	1.92E-02	1.35E+00	1.27E-01	1.46E-02	1.51E+00	1.86E-02	1.71E-05	1.27E-02	2.86E-03	3.42E-02
3148	487863.09	3846377.25	1.03E-02	1.41E-05	1.40E-02	3.83E-03	2.82E-02	1.36E-02	1.36E+00	1.40E-01	1.96E-02	1.53E+00	1.32E-02	1.71E-05	1.40E-02	3.83E-03	3.11E-02
3149	488363.09	3846377.25	1.13E-02	1.25E-05	2.04E-02	4.70E-03	3.64E-02	1.50E-02	1.20E+00	2.04E-01	2.40E-02	1.45E+00	1.46E-02	1.52E-05	2.04E-02	4.70E-03	3.96E-02
3150	488863.09	3846377.25	1.16E-02	1.52E-05	2.52E-02	5.12E-03	4.19E-02	1.53E-02	1.46E+00	2.52E-01	2.61E-02	1.75E+00	1.48E-02	1.85E-05	2.52E-02	5.12E-03	4.52E-02
3151	489363.09	3846377.25	1.15E-02	1.56E-05	2.15E-02	4.60E-03	3.76E-02	1.51E-02	1.49E+00	2.15E-01	2.35E-02	1.75E+00	1.47E-02	1.89E-05	2.15E-02	4.60E-03	4.09E-02
3152	489863.09	3846377.25	1.09E-02	1.10E-05	1.26E-02	3.13E-03	2.66E-02	1.44E-02	1.06E+00	1.26E-01	1.60E-02	1.21E+00	1.39E-02	1.34E-05	1.26E-02	3.13E-03	2.97E-02
3153	490363.09	3846377.25	9.50E-03	1.40E-05	1.13E-02	2.07E-03	2.29E-02	1.25E-02	1.34E+00	1.13E-01	1.06E-02	1.48E+00	1.22E-02	1.69E-05	1.13E-02	2.07E-03	2.56E-02
3154	490863.09	3846377.25	1.05E-02	1.60E-05	1.06E-02	2.09E-03	2.32E-02	1.39E-02	1.53E+00	1.06E-01	1.07E-02	1.66E+00	1.35E-02	1.93E-05	1.06E-02	2.09E-03	2.62E-02
3155	491363.09	3846377.25	1.50E-02	1.87E-05	1.28E-02	2.31E-03	3.01E-02	1.98E-02	1.79E+00	1.28E-01	1.18E-02	1.95E+00	1.93E-02	2.27E-05	1.28E-02	2.31E-03	3.44E-02
3156	491863.09	3846377.25	2.69E-02	2.07E-05	1.37E-02	2.60E-03	4.32E-02	3.55E-02	1.99E+00	1.37E-01	1.33E-02	2.17E+00	3.45E-02	2.51E-05	1.37E-02	2.60E-03	5.08E-02
3157	492363.09	3846377.25	3.26E-02	2.04E-05	1.06E-02	2.54E-03	4.58E-02	4.31E-02	1.95E+00	1.06E-01	1.30E-02	2.11E+00	4.18E-02	2.47E-05	1.06E-02	2.54E-03	5.50E-02
3158	492863.09	3846377.25	3.38E-02	1.78E-05	9.69E-03	2.24E-03	4.58E-02	4.47E-02	1.70E+00	9.69E-02	1.14E-02	1.86E+00	4.34E-02	2.15E-05	9.69E-03	2.24E-03	5.53E-02
3159	493363.09	3846377.25	3.39E-02	1.43E-05	8.17E-03	2.01E-03	4.41E-02	4.47E-02	1.37E+00	8.17E-02	1.03E-02	1.51E+00	4.34E-02	1.73E-05	8.17E-03	2.01E-03	5.36E-02
3160	493863.09	3846377.25	3.36E-02	1.12E-05	9.79E-03	1.86E-03	4.53E-02	4.44E-02	1.07E+00	9.79E-02	9.48E-03	1.22E+00	4.31E-02	1.35E-05	9.79E-03	1.86E-03	5.48E-02
3161	494363.09	3846377.25	3.23E-02	8.95E-06	1.17E-02	1.90E-03	4.59E-02	4.27E-02	8.58E-01	1.17E-01	9.70E-03	1.03E+00	4.14E-02	1.08E-05	1.17E-02	1.90E-03	5.50E-02
3162	494863.09	3846377.25	2.70E-02	9.10E-06	1.21E-02	2.02E-03	4.11E-02	3.56E-02	8.72E-01	1.21E-01	1.03E-02	1.04E+00	3.46E-02	1.10E-05	1.21E-02	2.02E-03	4.87E-02
3163	495363.09	3846377.25	1.67E-02	1.25E-05	1.10E-02	2.12E-03	2.99E-02	2.21E-02	1.20E+00	1.10E-01	1.08E-02	1.35E+00	2.15E-02	1.52E-05	1.10E-02	2.12E-03	3.46E-02
3164	495863.09	3846377.25	9.07E-03	1.77E-05	9.45E-03	2.38E-03	2.09E-02	1.20E-02	1.69E+00	9.45E-02	1.21E-02	1.81E+00	1.16E-02	2.14E-05	9.45E-03	2.38E-03	2.35E-02
3165	496363.09	3846377.25	1.03E-02	2.11E-05	1.32E-02	2.57E-03	2.61E-02	1.37E-02	2.02E+00	1.32E-01	1.31E-02	2.18E+00	1.33E-02	2.55E-05	1.32E-02	2.57E-03	2.90E-02
3166	496863.09	3846377.25	1.28E-02	2.12E-05	1.57E-02	2.67E-03	3.12E-02	1.70E-02	2.03E+00	1.57E-01	1.36E-02	2.22E+00	1.65E-02	2.57E-05	1.57E-02	2.67E-03	3.49E-02
3167	497363.09	3846377.25	1.46E-02	2.08E-05	1.58E-02	2.68E-03	3.31E-02	1.93E-02	1.99E+00	1.58E-01	1.37E-02	2.18E+00	1.87E-02	2.52E-05	1.58E-02	2.68E-03	3.72E-02
3168	497863.09	3846377.25	1.51E-02	2.34E-05	1.36E-02	2.60E-03	3.13E-02	2.00E-02	2.24E+00	1.36E-01	1.33E-02	2.41E+00	1.94E-02	2.83E-05	1.36E-02	2.60E-03	3.56E-02

3169	498363.09	3846377.25	1.53E-02	2.66E-05	1.14E-02	2.53E-03	2.92E-02	2.01E-02	2.55E+00	1.14E-01	1.29E-02	2.69E+00	1.96E-02	3.22E-05	1.14E-02	2.53E-03	3.35E-02
3170	471363.09	3846877.25	9.66E-02	6.46E-05	7.87E-03	5.98E-03	1.10E-01	1.28E-01	6.19E+00	7.87E-02	3.06E-02	6.43E+00	1.24E-01	7.82E-05	7.87E-03	5.98E-03	1.38E-01
3171	471863.09	3846877.25	9.54E-02	6.24E-05	7.92E-03	6.65E-03	1.10E-01	1.26E-01	5.99E+00	7.92E-02	3.40E-02	6.22E+00	1.22E-01	7.56E-05	7.92E-03	6.65E-03	1.37E-01
3172	472363.09	3846877.25	9.58E-02	6.20E-05	9.72E-03	7.08E-03	1.13E-01	1.27E-01	5.94E+00	9.72E-02	3.62E-02	6.20E+00	1.23E-01	7.51E-05	9.72E-03	7.08E-03	1.40E-01
3173	472863.09	3846877.25	4.42E-02	4.79E-05	1.15E-02	7.19E-03	6.30E-02	5.84E-02	4.60E+00	1.15E-01	3.67E-02	4.81E+00	5.67E-02	5.81E-05	1.15E-02	7.19E-03	7.54E-02
3174	473363.09	3846877.25	5.65E-02	4.66E-05	1.32E-02	6.92E-03	7.67E-02	7.46E-02	4.47E+00	1.32E-01	3.53E-02	4.72E+00	7.24E-02	5.65E-05	1.32E-02	6.92E-03	9.26E-02
3175	473863.09	3846877.25	7.23E-02	3.52E-05	1.45E-02	6.30E-03	9.32E-02	9.55E-02	3.38E+00	1.45E-01	3.22E-02	3.65E+00	9.27E-02	4.27E-05	1.45E-02	6.30E-03	1.14E-01
3176	474363.09	3846877.25	7.85E-02	3.32E-05	1.51E-02	5.45E-03	9.91E-02	1.04E-01	3.18E+00	1.51E-01	2.78E-02	3.47E+00	1.01E-01	4.02E-05	1.51E-02	5.45E-03	1.21E-01
3177	474863.09	3846877.25	9.68E-02	4.01E-05	1.49E-02	4.50E-03	1.16E-01	1.28E-01	3.85E+00	1.49E-01	2.30E-02	4.15E+00	1.24E-01	4.86E-05	1.49E-02	4.50E-03	1.44E-01
3178	475363.09	3846877.25	1.04E-01	5.11E-05	1.39E-02	3.59E-03	1.21E-01	1.37E-01	4.90E+00	1.39E-01	1.83E-02	5.19E+00	1.33E-01	6.19E-05	1.39E-02	3.59E-03	1.51E-01
3179	475863.09	3846877.25	1.24E-01	5.42E-05	1.22E-02	7.67E-03	1.43E-01	1.63E-01	5.20E+00	1.22E-01	3.92E-02	5.52E+00	1.58E-01	6.56E-05	1.22E-02	7.67E-03	1.78E-01
3180	476363.09	3846877.25	1.20E-01	4.09E-05	9.97E-03	1.16E-02	1.41E-01	1.58E-01	3.93E+00	9.97E-02	5.91E-02	4.24E+00	1.53E-01	4.96E-05	9.97E-03	1.16E-02	1.75E-01
3181	476863.09	3846877.25	1.16E-01	4.27E-05	7.66E-03	9.36E-03	1.33E-01	1.54E-01	4.09E+00	7.66E-02	4.78E-02	4.37E+00	1.49E-01	5.17E-05	7.66E-03	9.36E-03	1.66E-01
3182	477363.09	3846877.25	1.22E-01	2.86E-05	6.08E-03	6.52E-03	1.35E-01	1.61E-01	2.74E+00	6.08E-02	3.33E-02	3.00E+00	1.56E-01	3.46E-05	6.08E-03	6.52E-03	1.69E-01
3183	477863.09	3846877.25	9.13E-02	3.41E-05	1.46E-02	3.61E-03	1.10E-01	1.21E-01	3.27E+00	1.46E-01	1.84E-02	3.56E+00	1.17E-01	4.14E-05	1.46E-02	3.61E-03	1.35E-01
3184	478363.09	3846877.25	6.60E-02	3.06E-05	2.95E-02	5.68E-03	1.01E-01	8.72E-02	2.93E+00	2.95E-01	2.90E-02	3.35E+00	8.47E-02	3.71E-05	2.95E-02	5.68E-03	1.20E-01
3185	478863.09	3846877.25	8.33E-02	3.16E-05	3.41E-02	5.37E-03	1.23E-01	1.10E-01	3.03E+00	3.41E-01	2.74E-02	3.51E+00	1.07E-01	3.83E-05	3.41E-02	5.37E-03	1.46E-01
3186	479363.09	3846877.25	9.10E-02	2.19E-05	1.73E-02	3.83E-03	1.12E-01	1.20E-01	2.10E+00	1.73E-01	1.96E-02	2.42E+00	1.17E-01	2.66E-05	1.73E-02	3.83E-03	1.38E-01
3187	479863.09	3846877.25	5.99E-02	1.74E-05	8.07E-03	3.80E-03	7.18E-02	7.91E-02	1.67E+00	8.07E-02	1.94E-02	1.84E+00	7.68E-02	2.10E-05	8.07E-03	3.80E-03	8.87E-02
3188	480363.09	3846877.25	3.34E-02	1.83E-05	8.64E-03	4.25E-03	4.63E-02	4.41E-02	1.75E+00	8.64E-02	2.17E-02	1.91E+00	4.28E-02	2.22E-05	8.64E-03	4.25E-03	5.57E-02
3189	480863.09	3846877.25	2.72E-02	1.71E-05	7.42E-03	4.76E-03	3.94E-02	3.59E-02	1.64E+00	7.42E-02	2.43E-02	1.78E+00	3.48E-02	2.07E-05	7.42E-03	4.76E-03	4.70E-02
3190	481363.09	3846877.25	2.01E-02	1.40E-05	8.28E-03	4.96E-03	3.34E-02	2.66E-02	1.35E+00	8.28E-02	2.53E-02	1.48E+00	2.58E-02	1.70E-05	8.28E-03	4.96E-03	3.91E-02
3191	481863.09	3846877.25	2.81E-02	2.30E-05	9.24E-03	4.90E-03	4.23E-02	3.72E-02	2.21E+00	9.24E-02	2.50E-02	2.36E+00	3.61E-02	2.79E-05	9.24E-03	4.90E-03	5.02E-02
3192	482363.09	3846877.25	3.52E-02	3.53E-05	9.47E-03	4.70E-03	4.94E-02	4.65E-02	3.39E+00	9.47E-02	2.40E-02	3.55E+00	4.51E-02	4.28E-05	9.47E-03	4.70E-03	5.93E-02
3193	482863.09	3846877.25	3.30E-02	3.27E-05	1.10E-02	4.46E-03	4.85E-02	4.36E-02	3.13E+00	1.10E-01	2.28E-02	3.31E+00	4.23E-02	3.96E-05	1.10E-02	4.46E-03	5.78E-02
3194	483363.09	3846877.25	2.31E-02	2.49E-05	1.38E-02	4.19E-03	4.12E-02	3.05E-02	2.38E+00	1.38E-01	2.14E-02	2.58E+00	2.96E-02	3.01E-05	1.38E-02	4.19E-03	4.77E-02
3195	483863.09	3846877.25	4.47E-02	1.84E-05	1.67E-02	3.83E-03	6.52E-02	5.90E-02	1.77E+00	1.67E-01	1.96E-02	2.01E+00	5.72E-02	2.23E-05	1.67E-02	3.83E-03	7.78E-02
3196	484363.09	3846877.25	5.34E-02	1.52E-05	1.77E-02	3.87E-03	7.50E-02	7.06E-02	1.46E+00	1.77E-01	1.98E-02	1.72E+00	6.85E-02	1.84E-05	1.77E-02	3.87E-03	9.01E-02
3197	484863.09	3846877.25	5.29E-02	2.60E-05	1.90E-02	4.19E-03	7.62E-02	6.99E-02	2.49E+00	1.90E-01	2.14E-02	2.78E+00	6.79E-02	3.15E-05	1.90E-02	4.19E-03	9.11E-02
3198	485363.09	3846877.25	4.44E-02	3.28E-05	1.37E-02	3.52E-03	6.16E-02	5.86E-02	3.14E+00	1.37E-01	1.80E-02	3.36E+00	5.69E-02	3.97E-05	1.37E-02	3.52E-03	7.42E-02
3199	485863.09	3846877.25	2.31E-02	2.97E-05	1.06E-02	2.74E-03	3.65E-02	3.06E-02	2.84E+00	1.06E-01	1.40E-02	3.00E+00	2.97E-02	3.59E-05	1.06E-02	2.74E-03	4.30E-02
3200	486363.09	3846877.25	2.22E-02	3.51E-05	1.11E-02	2.73E-03	3.61E-02	2.93E-02	3.36E+00	1.11E-01	1.40E-02	3.52E+00	2.85E-02	4.25E-05	1.11E-02	2.73E-03	4.24E-02
3201	486863.09	3846877.25	1.65E-02	3.41E-05	1.05E-02	2.83E-03	2.99E-02	2.18E-02	3.27E+00	1.05E-01	1.45E-02	3.41E+00	2.12E-02	4.13E-05	1.05E-02	2.83E-03	3.46E-02
3202	487363.09	3846877.25	1.44E-02	1.60E-05	1.31E-02	2.93E-03	3.04E-02	1.90E-02	1.53E+00	1.31E-01	1.50E-02	1.70E+00	1.85E-02	1.94E-05	1.31E-02	2.93E-03	3.45E-02
3203	487863.09	3846877.25	1.09E-02	1.43E-05	1.46E-02	3.99E-03	2.95E-02	1.44E-02	1.37E+00	1.46E-01	2.04E-02	1.55E+00	1.40E-02	1.73E-05	1.46E-02	3.99E-03	3.26E-02
3204	488363.09	3846877.25	1.15E-02	1.27E-05	2.13E-02	4.84E-03	3.77E-02	1.52E-02	1.22E+00	2.13E-01	2.47E-02	1.47E+00	1.47E-02	1.54E-05	2.13E-02	4.84E-03	4.09E-02
3205	488863.09	3846877.25	1.17E-02	1.58E-05	2.60E-02	5.22E-03	4.29E-02	1.54E-02	1.51E+00	2.60E-01	2.67E-02	1.82E+00	1.50E-02	1.91E-05	2.60E-02	5.22E-03	4.62E-02
3206	489363.09	3846877.25	1.14E-02	1.52E-05	2.14E-02	4.84E-03	3.77E-02	1.50E-02	1.46E+00	2.14E-01	2.47E-02	1.71E+00	1.46E-02	1.84E-05	2.14E-02	4.84E-03	4.09E-02
3207	489863.09	3846877.25	1.06E-02	1.37E-05	1.72E-02	3.72E-03	3.15E-02	1.40E-02	1.31E+00	1.72E-01	1.90E-02	1.52E+00	1.36E-02	1.66E-05	1.72E-02	3.72E-03	3.45E-02
3208	490363.09	3846877.25	1.03E-02	1.55E-05	1.39E-02	2.39E-03	2.66E-02	1.36E-02	1.49E+00	1.39E-01	1.22E-02	1.65E+00	1.32E-02	1.88E-05	1.39E-02	2.39E-03	2.95E-02
3209	490863.09	3846877.25	1.22E-02	1.82E-05	1.32E-02	2.28E-03	2.77E-02	1.61E-02	1.75E+00	1.32E-01	1.16E-02	1.91E+00	1.56E-02	2.21E-05	1.32E-02	2.28E-03	3.11E-02
3210	491363.09	3846877.25	2.50E-02	2.07E-05	1.45E-02	2.55E-03	4.21E-02	3.31E-02	1.99E+00	1.45E-01	1.30E-02	2.18E+00	3.21E-02	2.51E-05	1.45E-02	2.55E-03	4.92E-02
3211	491863.09	3846877.25	3.22E-02	2.09E-05	1.30E-02	2.64E-03	4.79E-02	4.26E-02	2.01E+00	1.30E-01	1.35E-02	2.19E+00	4.13E-02	2.54E-05	1.30E-02	2.64E-03	5.70E-02
3212	492363.09	3846877.25	3.38E-02	1.87E-05	1.11E-02	2.87E-03	4.79E-02	4.47E-02	1.79E+00	1.11E-01	1.46E-02	1.96E+00	4.34E-02	2.26E-05	1.11E-02	2.87E-03	5.74E-02
3213	492863.09	3846877.25	3.39E-02	1.52E-05	9.61E-03	2.43E-03	4.60E-02	4.48E-02	1.46E+00	9.61E-02	1.24E-02	1.61E+00	4.35E-02	1.84E-05	9.61E-03	2.43E-03	5.55E-02
3214	493363.09	3846877.25	3.38E-02	1.19E-05	8.90E-03	1.92E-03	4.46E-02	4.46E-02	1.14E+00	8.90E-02	9.81E-03	1.28E+00	4.33E-02	1.44E-05	8.90E-03	1.92E-03	5.41E-02
3215	493863.09	3846877.25	3.29E-02	9.28E-06	1.14E-02	1.96E-03	4.63E-02	4.35E-02	8.90E-01	1.14E-01	1.00E-02	1.06E+00	4.22E-02	1.12E-05	1.14E-02	1.96E-03	5.56E-02
3216	494363.09	3846877.25	2.89E-02	8.67E-06	1.26E-02	1.99E-03	4.35E-02	3.82E-02	8.32E-01	1.26E-01	1.01E-02	1.01E+00	3.70E-02	1.05E-05	1.26E-02	1.99E-03	5.16E-02
3217	494863.09	3846877.25	1.93E-02	1.15E-05	1.20E-02	2.27E-03	3.36E-02	2.55E-02	1.10E+00	1.20E-01	1.16E-02	1.26E+00	2.47E-02	1.39E-05	1.20E-02	2.27E-03	3.90E-02
3218	495363.09	3846877.25	9.46E-03	1.66E-05	1.01E-02	2.53E-03	2.21E-02	1.25E-02	1.59E+00	1.01E-01	1.29E-02	1.72E+00	1.21E-02	2.01E-05	1.01E-02	2.53E-03	2.48E-02
3219	495863.09	3846877.25	1.07E-02	2.08E-05	1.27E-02	2.72E-03	2.61E-02	1.41E-02	2.00E+00	1.27E-01	1.39E-02	2.15E+00	1.37E-02	2.52E-05	1.27E-02	2.72E-03	2.91E-02
3220	496363.09	3846877.25	1.38E-02	2.15E-05	1.59E-02	2.80E-03	3.25E-02	1.83E-02	2.06E+00	1.59E-01	1.43E-02	2.25E+00	1.77E-02	2.60E-05	1.59E-02	2.80E-03	3.64E-02
3221	496863.09	3846877.25	1.50E-02	2.05E-05	1.66E-02	2.78E-03	3.44E-02	1.98E-02	1.97E+00	1.66E-01	1.42E-02	2.17E+00	1.92E-02	2.49E-05	1.66E-02	2.78E-03	3.86E-02
3222	497363.09	3846877.25	1.52E-02	2.24E-05	1.46E-02	2.66E-03	3.25E-02	2.01E-02	2.15E+00	1.46E-01	1.36E-02	2.33E+00	1.95E-02	2.72E-05	1.46E-02	2.66E-03	3.68E-02
3223	497863.09	3846877.25	1.53E-02	2.63E-05	1.20E-02	2.58E-03	3.00E-02	2.03E-02	2.52E+00	1.20E-01	1.32E-02	2.68E+00	1.97E-02	3.19E-05	1.20E-02	2.58E-03	3.43E-02
3224	498363.09	3846877.25	1.54E-02	2.63E-05	1.34E-02	2.53E-03	3.14E-02	2.04E-02	2.52E+00	1.34E-01	1.29E-02	2.69E+00	1.98E-02	3.18E-05	1.34E-02	2.53E-03	3.58E-02
3225	471363.09	3847377.25	9.16E-02	6.40E-05	8.04E-03	5.10E-03	1.05E-01	1.21E-01	6.14E+00	8.04E-02	2.61E-02	6.37E+00	1.17E-01	7.75E-05	8.04E-03	5.10E-03	1.31E-01
3226	471863.09	3847377.25	1.03E-01	6.86E-05	8.30E-03	5.98E-03	1.17E-01	1.36E-01	6.57E+00	8.30E-02	3.05E-02	6.82E+00	1.32E-01	8.31E-05	8.30E-03	5.98E-03	1.46E-01
3227	472363.09	3847377.25	1.07E-01	6.72E-05	7.78E-03	6.75E-03	1.22E-01	1.41E-01	6.44E+00	7.78E-02	3.45E-02	6.70E+00	1.37E-01	8.14E-05	7.78E-03	6.75E-03	1.52E-01
3228	472863.09	3847377.25	8.47E-02	6.28E-05	9.42E-03	7.29E-03	1.01E-01	1.12E-01	6.02E+00	9.42E-02	3.72E-02	6.26E+00	1.09E-01	7.60E-05	9.42E-03	7.29E-03	1.25E-01
3229	473363.09	3847377.25	8.49E-02	5.80E-05	1.14E-02	7.50E-03	1.04E-01	1.12E-01	5.56E+00	1.14E-01	3.83E-02	5.82E+00	1.09E-01	7.02E-05	1.14E-02	7.50E-03	1.28E-01

3230	473863.09	3847377.25	7.80E-02	6.13E-05	1.33E-02	7.29E-03	9.87E-02	1.03E-01	5.87E+00	1.33E-01	3.72E-02	6.15E+00	1.00E-01	7.42E-05	1.33E-02	7.29E-03	1.21E-01
3231	474363.09	3847377.25	8.48E-02	4.55E-05	1.48E-02	6.68E-03	1.06E-01	1.12E-01	4.36E+00	1.48E-01	3.41E-02	4.65E+00	1.09E-01	5.51E-05	1.48E-02	6.68E-03	1.30E-01
3232	474863.09	3847377.25	8.30E-02	3.81E-05	1.57E-02	5.79E-03	1.04E-01	1.10E-01	3.65E+00	1.57E-01	2.96E-02	3.95E+00	1.06E-01	4.62E-05	1.57E-02	5.79E-03	1.28E-01
3233	475363.09	3847377.25	1.03E-01	4.16E-05	1.57E-02	4.77E-03	1.23E-01	1.36E-01	3.99E+00	1.57E-01	2.44E-02	4.31E+00	1.32E-01	5.05E-05	1.57E-02	4.77E-03	1.52E-01
3234	475863.09	3847377.25	1.25E-01	6.10E-05	1.47E-02	3.78E-03	1.43E-01	1.65E-01	5.85E+00	1.47E-01	1.93E-02	6.18E+00	1.60E-01	7.39E-05	1.47E-02	3.78E-03	1.79E-01
3235	476363.09	3847377.25	1.49E-01	6.40E-05	1.30E-02	1.07E-02	1.73E-01	1.97E-01	6.14E+00	1.30E-01	5.48E-02	6.52E+00	1.92E-01	7.75E-05	1.30E-02	1.07E-02	2.15E-01
3236	476863.09	3847377.25	1.33E-01	4.34E-05	1.07E-02	1.30E-02	1.57E-01	1.76E-01	4.16E+00	1.07E-01	6.63E-02	4.51E+00	1.71E-01	5.25E-05	1.07E-02	1.30E-02	1.94E-01
3237	477363.09	3847377.25	1.34E-01	4.89E-05	8.17E-03	1.06E-02	1.53E-01	1.77E-01	4.69E+00	8.17E-02	5.40E-02	5.00E+00	1.72E-01	5.92E-05	8.17E-03	1.06E-02	1.91E-01
3238	477863.09	3847377.25	1.36E-01	5.98E-05	6.30E-03	7.01E-03	1.49E-01	1.79E-01	5.73E+00	6.30E-02	3.58E-02	6.01E+00	1.74E-01	7.24E-05	6.30E-03	7.01E-03	1.88E-01
3239	478363.09	3847377.25	1.04E-01	6.17E-05	1.96E-02	6.18E-03	1.30E-01	1.38E-01	5.92E+00	1.96E-01	3.16E-02	6.29E+00	1.34E-01	7.48E-05	1.96E-02	6.18E-03	1.60E-01
3240	478863.09	3847377.25	8.73E-02	6.09E-05	5.54E-02	1.65E-02	1.59E-01	1.15E-01	5.84E+00	5.54E-01	8.42E-02	6.60E+00	1.12E-01	7.38E-05	5.54E-02	1.65E-02	1.84E-01
3241	479363.09	3847377.25	8.27E-02	2.69E-05	3.94E-02	5.44E-03	1.28E-01	1.09E-01	2.58E+00	3.94E-01	2.78E-02	3.11E+00	1.06E-01	3.25E-05	3.94E-02	5.44E-03	1.51E-01
3242	479863.09	3847377.25	8.34E-02	1.97E-05	9.10E-03	3.97E-03	9.65E-02	1.10E-01	1.89E+00	9.10E-02	2.03E-02	2.11E+00	1.07E-01	2.38E-05	9.10E-03	3.97E-03	1.20E-01
3243	480363.09	3847377.25	2.61E-02	1.72E-05	8.49E-03	4.10E-03	3.87E-02	3.45E-02	1.65E+00	8.49E-02	2.09E-02	1.79E+00	3.35E-02	2.08E-05	8.49E-03	4.10E-03	4.61E-02
3244	480863.09	3847377.25	2.51E-02	1.83E-05	8.71E-03	4.75E-03	3.86E-02	3.32E-02	1.76E+00	8.71E-02	2.43E-02	1.90E+00	3.22E-02	2.22E-05	8.71E-03	4.75E-03	4.57E-02
3245	481363.09	3847377.25	2.12E-02	1.47E-05	7.76E-03	5.06E-03	3.40E-02	2.79E-02	1.41E+00	7.76E-02	2.59E-02	1.54E+00	2.71E-02	1.78E-05	7.76E-03	5.06E-03	4.00E-02
3246	481863.09	3847377.25	2.98E-02	2.01E-05	9.10E-03	5.06E-03	4.40E-02	3.94E-02	1.93E+00	9.10E-02	2.58E-02	2.09E+00	3.82E-02	2.44E-05	9.10E-03	5.06E-03	5.24E-02
3247	482363.09	3847377.25	3.32E-02	3.51E-05	9.80E-03	4.86E-03	4.79E-02	4.39E-02	3.37E+00	9.80E-02	2.48E-02	3.54E+00	4.26E-02	4.26E-05	9.80E-03	4.86E-03	5.73E-02
3248	482863.09	3847377.25	3.57E-02	3.37E-05	1.02E-02	4.62E-03	5.05E-02	4.71E-02	3.23E+00	1.02E-01	2.36E-02	3.41E+00	4.57E-02	4.08E-05	1.02E-02	4.62E-03	6.05E-02
3249	483363.09	3847377.25	2.58E-02	2.62E-05	1.32E-02	4.36E-03	4.35E-02	3.41E-02	2.51E+00	1.32E-01	2.23E-02	2.70E+00	3.31E-02	3.18E-05	1.32E-02	4.36E-03	5.08E-02
3250	483863.09	3847377.25	4.22E-02	2.00E-05	1.62E-02	4.05E-03	6.25E-02	5.57E-02	1.91E+00	1.62E-01	2.07E-02	2.15E+00	5.41E-02	2.42E-05	1.62E-02	4.05E-03	7.44E-02
3251	484363.09	3847377.25	5.34E-02	1.50E-05	2.22E-02	3.93E-03	7.96E-02	7.06E-02	1.44E+00	2.22E-01	2.01E-02	1.75E+00	6.85E-02	1.81E-05	2.22E-02	3.93E-03	9.47E-02
3252	484863.09	3847377.25	5.32E-02	2.44E-05	2.28E-02	4.22E-03	8.03E-02	7.03E-02	2.34E+00	2.28E-01	2.15E-02	2.66E+00	6.82E-02	2.96E-05	2.28E-02	4.22E-03	9.53E-02
3253	485363.09	3847377.25	4.70E-02	3.31E-05	1.53E-02	3.47E-03	6.58E-02	6.21E-02	3.17E+00	1.53E-01	1.77E-02	3.41E+00	6.03E-02	4.01E-05	1.53E-02	3.47E-03	7.90E-02
3254	485863.09	3847377.25	2.63E-02	2.97E-05	1.17E-02	2.72E-03	4.07E-02	3.47E-02	2.84E+00	1.17E-01	1.39E-02	3.01E+00	3.37E-02	3.59E-05	1.17E-02	2.72E-03	4.81E-02
3255	486363.09	3847377.25	2.44E-02	3.42E-05	1.15E-02	3.47E-03	3.94E-02	3.22E-02	3.28E+00	1.15E-01	1.77E-02	3.44E+00	3.13E-02	4.14E-05	1.15E-02	3.47E-03	4.63E-02
3256	486863.09	3847377.25	1.93E-02	3.58E-05	1.07E-02	3.36E-03	3.34E-02	2.56E-02	3.43E+00	1.07E-01	1.72E-02	3.58E+00	2.48E-02	4.33E-05	1.07E-02	3.36E-03	3.89E-02
3257	487363.09	3847377.25	1.52E-02	1.83E-05	1.35E-02	3.99E-03	3.27E-02	2.01E-02	1.76E+00	1.35E-01	2.04E-02	1.93E+00	1.95E-02	2.22E-05	1.35E-02	3.99E-03	3.70E-02
3258	487863.09	3847377.25	1.61E-02	1.45E-05	1.51E-02	4.14E-03	3.54E-02	2.13E-02	1.39E+00	1.51E-01	2.11E-02	1.58E+00	2.06E-02	1.75E-05	1.51E-02	4.14E-03	3.99E-02
3259	488363.09	3847377.25	1.62E-02	1.29E-05	2.23E-02	4.97E-03	4.35E-02	2.15E-02	1.24E+00	2.23E-01	2.54E-02	1.51E+00	2.08E-02	1.57E-05	2.23E-02	4.97E-03	4.81E-02
3260	488863.09	3847377.25	1.20E-02	1.63E-05	2.68E-02	5.30E-03	4.41E-02	1.58E-02	1.56E+00	2.68E-01	2.71E-02	1.87E+00	1.54E-02	1.97E-05	2.68E-02	5.30E-03	4.75E-02
3261	489363.09	3847377.25	1.20E-02	1.47E-05	2.12E-02	4.83E-03	3.80E-02	1.59E-02	1.41E+00	2.12E-01	2.47E-02	1.67E+00	1.54E-02	1.78E-05	2.12E-02	4.83E-03	4.14E-02
3262	489863.09	3847377.25	1.05E-02	1.51E-05	1.72E-02	3.63E-03	3.14E-02	1.38E-02	1.45E+00	1.72E-01	1.85E-02	1.66E+00	1.34E-02	1.83E-05	1.72E-02	3.63E-03	3.43E-02
3263	490363.09	3847377.25	1.06E-02	1.77E-05	1.44E-02	2.50E-03	2.75E-02	1.41E-02	1.69E+00	1.44E-01	1.28E-02	1.86E+00	1.36E-02	2.14E-05	1.44E-02	2.50E-03	3.05E-02
3264	490863.09	3847377.25	2.28E-02	2.05E-05	1.49E-02	2.76E-03	4.04E-02	3.01E-02	1.97E+00	1.49E-01	1.41E-02	2.16E+00	2.92E-02	2.49E-05	1.49E-02	2.76E-03	4.69E-02
3265	491363.09	3847377.25	3.17E-02	2.14E-05	1.66E-02	3.01E-03	5.13E-02	4.18E-02	2.05E+00	1.66E-01	1.54E-02	2.28E+00	4.06E-02	2.59E-05	1.66E-02	3.01E-03	6.02E-02
3266	491863.09	3847377.25	3.38E-02	1.96E-05	1.43E-02	3.08E-03	5.12E-02	4.47E-02	1.88E+00	1.43E-01	1.57E-02	2.08E+00	4.34E-02	2.37E-05	1.43E-02	3.08E-03	6.08E-02
3267	492363.09	3847377.25	3.40E-02	1.61E-05	1.04E-02	2.82E-03	4.72E-02	4.49E-02	1.54E+00	1.04E-01	1.44E-02	1.71E+00	4.35E-02	1.95E-05	1.04E-02	2.82E-03	5.68E-02
3268	492863.09	3847377.25	3.38E-02	1.26E-05	9.07E-03	2.28E-03	4.52E-02	4.47E-02	1.21E+00	9.07E-02	1.17E-02	1.36E+00	4.34E-02	1.53E-05	9.07E-03	2.28E-03	5.47E-02
3269	493363.09	3847377.25	3.34E-02	9.77E-06	1.07E-02	2.04E-03	4.61E-02	4.41E-02	9.37E-01	1.07E-01	1.04E-02	1.10E+00	4.28E-02	1.18E-05	1.07E-02	2.04E-03	5.55E-02
3270	493863.09	3847377.25	3.05E-02	8.46E-06	1.27E-02	2.09E-03	4.53E-02	4.03E-02	8.11E-01	1.27E-01	1.07E-02	9.89E-01	3.91E-02	1.02E-05	1.27E-02	2.09E-03	5.40E-02
3271	494363.09	3847377.25	2.19E-02	1.04E-05	1.30E-02	2.42E-03	3.73E-02	2.90E-02	1.00E+00	1.30E-01	1.24E-02	1.17E+00	2.81E-02	1.27E-05	1.30E-02	2.42E-03	4.35E-02
3272	494863.09	3847377.25	1.03E-02	1.55E-05	1.14E-02	2.70E-03	2.44E-02	1.36E-02	1.48E+00	1.14E-01	1.38E-02	1.63E+00	1.32E-02	1.87E-05	1.14E-02	2.70E-03	2.73E-02
3273	495363.09	3847377.25	1.22E-02	2.03E-05	1.20E-02	2.88E-03	2.71E-02	1.61E-02	1.95E+00	1.20E-01	1.47E-02	2.10E+00	1.56E-02	2.47E-05	1.20E-02	2.88E-03	3.05E-02
3274	495863.09	3847377.25	1.45E-02	2.18E-05	1.58E-02	2.94E-03	3.33E-02	1.92E-02	2.09E+00	1.58E-01	1.50E-02	2.28E+00	1.86E-02	2.64E-05	1.58E-02	2.94E-03	3.74E-02
3275	496363.09	3847377.25	1.52E-02	2.05E-05	1.74E-02	2.88E-03	3.55E-02	2.01E-02	1.97E+00	1.74E-01	1.47E-02	2.18E+00	1.95E-02	2.49E-05	1.74E-02	2.88E-03	3.98E-02
3276	496863.09	3847377.25	1.53E-02	2.15E-05	1.58E-02	2.72E-03	3.39E-02	2.03E-02	2.06E+00	1.58E-01	1.39E-02	2.25E+00	1.97E-02	2.60E-05	1.58E-02	2.72E-03	3.82E-02
3277	497363.09	3847377.25	1.55E-02	2.57E-05	1.22E-02	2.62E-03	3.03E-02	2.04E-02	2.47E+00	1.22E-01	1.34E-02	2.62E+00	1.98E-02	3.12E-05	1.22E-02	2.62E-03	3.46E-02
3278	497863.09	3847377.25	1.56E-02	2.71E-05	1.37E-02	2.61E-03	3.19E-02	2.06E-02	2.60E+00	1.37E-01	1.34E-02	2.77E+00	2.00E-02	3.29E-05	1.37E-02	2.61E-03	3.63E-02
3279	498363.09	3847377.25	1.56E-02	2.23E-05	1.28E-02	2.38E-03	3.08E-02	2.06E-02	2.14E+00	1.28E-01	1.22E-02	2.30E+00	2.00E-02	2.70E-05	1.28E-02	2.38E-03	3.52E-02
3280	471363.09	3847877.25	9.54E-02	6.67E-05	1.02E-02	4.07E-03	1.10E-01	1.26E-01	6.39E+00	1.02E-01	2.08E-02	6.64E+00	1.22E-01	8.08E-05	1.02E-02	4.07E-03	1.37E-01
3281	471863.09	3847877.25	9.20E-02	7.13E-05	9.32E-03	4.99E-03	1.06E-01	1.22E-01	6.84E+00	9.32E-02	2.55E-02	7.08E+00	1.18E-01	8.63E-05	9.32E-03	4.99E-03	1.32E-01
3282	472363.09	3847877.25	1.01E-01	7.00E-05	8.54E-03	5.95E-03	1.16E-01	1.34E-01	6.71E+00	8.54E-02	3.04E-02	6.96E+00	1.30E-01	8.47E-05	8.54E-03	5.95E-03	1.45E-01
3283	472863.09	3847877.25	1.05E-01	6.96E-05	8.43E-03	6.82E-03	1.20E-01	1.39E-01	6.67E+00	8.43E-02	3.49E-02	6.93E+00	1.35E-01	8.43E-05	8.43E-03	6.82E-03	1.50E-01
3284	473363.09	3847877.25	1.09E-01	7.27E-05	9.08E-03	7.49E-03	1.25E-01	1.44E-01	6.97E+00	9.08E-02	3.82E-02	7.25E+00	1.39E-01	8.81E-05	9.08E-03	7.49E-03	1.56E-01
3285	473863.09	3847877.25	1.14E-01	8.59E-05	1.12E-02	7.81E-03	1.33E-01	1.51E-01	8.24E+00	1.12E-01	3.99E-02	8.54E+00	1.47E-01	1.04E-04	1.12E-02	7.81E-03	1.66E-01
3286	474363.09	3847877.25	9.32E-02	7.25E-05	1.32E-02	7.68E-03	1.14E-01	1.23E-01	6.95E+00	1.32E-01	3.92E-02	7.24E+00	1.19E-01	8.78E-05	1.32E-02	7.68E-03	1.40E-01
3287	474863.09	3847877.25	1.07E-01	5.59E-05	1.50E-02	7.10E-03	1.30E-01	1.42E-01	5.36E+00	1.50E-01	3.63E-02	5.69E+00	1.38E-01	6.77E-05	1.50E-02	7.10E-03	1.60E-01
3288	475363.09	3847877.25	9.14E-02	4.25E-05	1.62E-02	6.17E-03	1.14E-01	1.21E-01	4.08E+00	1.62E-01	3.15E-02	4.39E+00	1.17E-01	5.15E-05	1.62E-02	6.17E-03	1.40E-01
3289	475863.09	3847877.25	1.11E-01	4.66E-05	1.64E-02	5.07E-03	1.33E-01	1.47E-01	4.47E+00	1.64E-01	2.59E-02	4.80E+00	1.43E-01	5.64E-05	1.64E-02	5.07E-03	1.64E-01
3290	476363.09	3847877.25	1.52E-01	7.95E-05	1.56E-02	5.34E-03	1.73E-01	2.00E-01	7.62E+00	1.56E-01	2.73E-02	8.01E+00	1.94E-01	9.63E-05	1.56E-02	5.34E-03	2.15E-01

3291	476863.09	3847877.25	1.62E-01	6.87E-05	1.39E-02	1.23E-02	1.88E-01	2.14E-01	6.59E+00	1.39E-01	6.29E-02	7.00E+00	2.08E-01	8.32E-05	1.39E-02	1.23E-02	2.34E-01
3292	477363.09	3847877.25	1.52E-01	4.85E-05	1.14E-02	1.46E-02	1.78E-01	2.01E-01	4.65E+00	1.14E-01	7.48E-02	5.04E+00	1.95E-01	5.88E-05	1.14E-02	1.46E-02	2.21E-01
3293	477863.09	3847877.25	1.53E-01	5.44E-05	8.73E-03	1.14E-02	1.73E-01	2.02E-01	5.21E+00	8.73E-02	5.80E-02	5.56E+00	1.96E-01	6.59E-05	8.73E-03	1.14E-02	2.17E-01
3294	478363.09	3847877.25	1.53E-01	6.12E-05	6.69E-03	7.84E-03	1.68E-01	2.02E-01	5.87E+00	6.69E-02	4.01E-02	6.18E+00	1.97E-01	7.42E-05	6.69E-03	7.84E-03	2.11E-01
3295	478863.09	3847877.25	1.17E-01	6.21E-05	3.26E-02	1.81E-02	1.68E-01	1.55E-01	5.96E+00	3.26E-01	9.25E-02	6.53E+00	1.50E-01	7.53E-05	3.26E-02	1.81E-02	2.01E-01
3296	479363.09	3847877.25	5.91E-02	3.01E-05	3.56E-02	6.57E-03	1.01E-01	7.80E-02	2.89E+00	3.56E-01	3.36E-02	3.36E+00	7.57E-02	3.65E-05	3.56E-02	6.57E-03	1.18E-01
3297	479863.09	3847877.25	4.53E-02	2.52E-05	1.03E-02	4.11E-03	5.98E-02	5.99E-02	2.41E+00	1.03E-01	2.10E-02	2.60E+00	5.81E-02	3.05E-05	1.03E-02	4.11E-03	7.25E-02
3298	480363.09	3847877.25	3.82E-02	1.77E-05	8.63E-03	4.05E-03	5.09E-02	5.05E-02	1.70E+00	8.63E-02	2.07E-02	1.86E+00	4.90E-02	2.15E-05	8.63E-03	4.05E-03	6.17E-02
3299	480863.09	3847877.25	2.95E-02	1.93E-05	9.07E-03	4.71E-03	4.33E-02	3.90E-02	1.85E+00	9.07E-02	2.41E-02	2.00E+00	3.78E-02	2.33E-05	9.07E-03	4.71E-03	5.16E-02
3300	481363.09	3847877.25	2.42E-02	1.59E-05	8.57E-03	5.16E-03	3.79E-02	3.20E-02	1.52E+00	8.57E-02	2.64E-02	1.67E+00	3.10E-02	1.92E-05	8.57E-03	5.16E-03	4.48E-02
3301	481863.09	3847877.25	2.83E-02	1.70E-05	8.69E-03	5.23E-03	4.22E-02	3.74E-02	1.63E+00	8.69E-02	2.67E-02	1.79E+00	3.63E-02	2.06E-05	8.69E-03	5.23E-03	5.02E-02
3302	482363.09	3847877.25	4.34E-02	3.46E-05	9.88E-03	5.03E-03	5.83E-02	5.73E-02	3.32E+00	9.88E-02	2.57E-02	3.50E+00	5.56E-02	4.19E-05	9.88E-03	5.03E-03	7.06E-02
3303	482863.09	3847877.25	3.69E-02	3.45E-05	1.02E-02	4.77E-03	5.20E-02	4.88E-02	3.31E+00	1.02E-01	2.44E-02	3.49E+00	4.74E-02	4.18E-05	1.02E-02	4.77E-03	6.24E-02
3304	483363.09	3847877.25	3.06E-02	2.75E-05	1.25E-02	4.53E-03	4.76E-02	4.04E-02	2.64E+00	1.25E-01	2.31E-02	2.83E+00	3.93E-02	3.34E-05	1.25E-02	4.53E-03	5.63E-02
3305	483863.09	3847877.25	3.92E-02	2.11E-05	1.56E-02	4.26E-03	5.91E-02	5.18E-02	2.02E+00	1.56E-01	2.17E-02	2.25E+00	5.03E-02	2.55E-05	1.56E-02	4.26E-03	7.02E-02
3306	484363.09	3847877.25	5.35E-02	1.72E-05	2.00E-02	4.18E-03	7.77E-02	7.06E-02	1.65E+00	2.00E-01	2.14E-02	1.94E+00	6.86E-02	2.08E-05	2.00E-02	4.18E-03	9.28E-02
3307	484863.09	3847877.25	5.35E-02	2.27E-05	2.45E-02	4.23E-03	8.22E-02	7.06E-02	2.18E+00	2.45E-01	2.16E-02	2.52E+00	6.85E-02	2.75E-05	2.45E-02	4.23E-03	9.72E-02
3308	485363.09	3847877.25	4.91E-02	3.33E-05	1.86E-02	3.40E-03	7.11E-02	6.49E-02	3.19E+00	1.86E-01	1.74E-02	3.46E+00	6.30E-02	4.03E-05	1.86E-02	3.40E-03	8.50E-02
3309	485863.09	3847877.25	2.92E-02	2.99E-05	1.74E-02	3.56E-03	5.02E-02	3.85E-02	2.87E+00	1.74E-01	1.82E-02	3.10E+00	3.74E-02	3.62E-05	1.74E-02	3.56E-03	5.84E-02
3310	486363.09	3847877.25	2.60E-02	3.31E-05	1.18E-02	3.77E-03	4.16E-02	3.43E-02	3.17E+00	1.18E-01	1.93E-02	3.35E+00	3.33E-02	4.01E-05	1.18E-02	3.77E-03	4.89E-02
3311	486863.09	3847877.25	2.15E-02	3.71E-05	1.10E-02	3.95E-03	3.66E-02	2.84E-02	3.56E+00	1.10E-01	2.02E-02	3.72E+00	2.76E-02	4.49E-05	1.10E-02	3.95E-03	4.26E-02
3312	487363.09	3847877.25	1.58E-02	2.09E-05	1.39E-02	4.25E-03	3.40E-02	2.09E-02	2.00E+00	1.39E-01	2.17E-02	2.18E+00	2.03E-02	2.53E-05	1.39E-02	4.25E-03	3.85E-02
3313	487863.09	3847877.25	1.63E-02	1.46E-05	1.57E-02	4.28E-03	3.63E-02	2.15E-02	1.40E+00	1.57E-01	2.18E-02	1.60E+00	2.09E-02	1.77E-05	1.57E-02	4.28E-03	4.09E-02
3314	488363.09	3847877.25	1.63E-02	1.35E-05	2.33E-02	5.06E-03	4.46E-02	2.15E-02	1.29E+00	2.33E-01	2.59E-02	1.57E+00	2.09E-02	1.63E-05	2.33E-02	5.06E-03	4.92E-02
3315	488863.09	3847877.25	1.59E-02	1.67E-05	2.74E-02	5.35E-03	4.87E-02	2.11E-02	1.60E+00	2.74E-01	2.73E-02	1.92E+00	2.04E-02	2.02E-05	2.74E-02	5.35E-03	5.32E-02
3316	489363.09	3847877.25	1.34E-02	1.48E-05	2.07E-02	4.80E-03	3.89E-02	1.77E-02	1.42E+00	2.07E-01	2.45E-02	1.67E+00	1.72E-02	1.79E-05	2.07E-02	4.80E-03	4.27E-02
3317	489863.09	3847877.25	1.19E-02	1.70E-05	1.66E-02	3.51E-03	3.20E-02	1.57E-02	1.63E+00	1.66E-01	1.79E-02	1.83E+00	1.52E-02	2.06E-05	1.66E-02	3.51E-03	3.53E-02
3318	490363.09	3847877.25	2.01E-02	2.02E-05	1.43E-02	2.73E-03	3.72E-02	2.66E-02	1.94E+00	1.43E-01	1.40E-02	2.12E+00	2.58E-02	2.45E-05	1.43E-02	2.73E-03	4.29E-02
3319	490863.09	3847877.25	3.09E-02	2.17E-05	1.64E-02	2.90E-03	5.02E-02	4.08E-02	2.08E+00	1.64E-01	1.48E-02	2.30E+00	3.96E-02	2.63E-05	1.64E-02	2.90E-03	5.89E-02
3320	491363.09	3847877.25	3.38E-02	2.04E-05	1.69E-02	3.13E-03	5.39E-02	4.47E-02	1.96E+00	1.69E-01	1.60E-02	2.19E+00	4.34E-02	2.47E-05	1.69E-02	3.13E-03	6.34E-02
3321	491863.09	3847877.25	3.40E-02	1.71E-05	1.34E-02	3.10E-03	5.05E-02	4.49E-02	1.64E+00	1.34E-01	1.59E-02	1.83E+00	4.36E-02	2.07E-05	1.34E-02	3.10E-03	6.01E-02
3322	492363.09	3847877.25	3.39E-02	1.35E-05	1.05E-02	2.73E-03	4.72E-02	4.48E-02	1.29E+00	1.05E-01	1.39E-02	1.46E+00	4.34E-02	1.63E-05	1.05E-02	2.73E-03	5.67E-02
3323	492863.09	3847877.25	3.36E-02	1.04E-05	9.69E-03	2.11E-03	4.54E-02	4.44E-02	9.96E-01	9.69E-02	1.08E-02	1.15E+00	4.31E-02	1.26E-05	9.69E-03	2.11E-03	5.49E-02
3324	493363.09	3847877.25	3.18E-02	8.46E-06	1.25E-02	2.23E-03	4.65E-02	4.20E-02	8.12E-01	1.25E-01	1.14E-02	9.90E-01	4.08E-02	1.03E-05	1.25E-02	2.23E-03	5.55E-02
3325	493863.09	3847877.25	2.46E-02	9.58E-06	1.37E-02	2.59E-03	4.08E-02	3.24E-02	9.19E-01	1.37E-01	1.32E-02	1.10E+00	3.15E-02	1.16E-05	1.37E-02	2.59E-03	4.77E-02
3326	494363.09	3847877.25	1.25E-02	1.42E-05	1.27E-02	2.88E-03	2.81E-02	1.65E-02	1.37E+00	1.27E-01	1.47E-02	1.52E+00	1.61E-02	1.73E-05	1.27E-02	2.88E-03	3.17E-02
3327	494863.09	3847877.25	1.35E-02	1.97E-05	1.03E-02	3.05E-03	2.68E-02	1.78E-02	1.89E+00	1.03E-01	1.56E-02	2.02E+00	1.73E-02	2.38E-05	1.03E-02	3.05E-03	3.06E-02
3328	495363.09	3847877.25	1.50E-02	2.20E-05	1.28E-02	2.96E-03	3.08E-02	1.99E-02	2.11E+00	1.28E-01	1.51E-02	2.28E+00	1.93E-02	2.67E-05	1.28E-02	2.96E-03	3.51E-02
3329	495863.09	3847877.25	1.54E-02	2.08E-05	1.45E-02	2.20E-03	3.21E-02	2.03E-02	1.99E+00	1.45E-01	1.13E-02	2.17E+00	1.97E-02	2.51E-05	1.45E-02	2.20E-03	3.64E-02
3330	496363.09	3847877.25	1.55E-02	2.06E-05	1.43E-02	2.77E-03	3.25E-02	2.04E-02	1.98E+00	1.43E-01	1.42E-02	2.16E+00	1.98E-02	2.50E-05	1.43E-02	2.77E-03	3.69E-02
3331	496863.09	3847877.25	1.56E-02	2.48E-05	1.34E-02	2.52E-03	3.15E-02	2.06E-02	2.38E+00	1.34E-01	1.29E-02	2.55E+00	2.00E-02	3.01E-05	1.34E-02	2.52E-03	3.59E-02
3332	497363.09	3847877.25	1.57E-02	2.77E-05	9.20E-03	2.70E-03	2.76E-02	2.07E-02	2.66E+00	9.20E-02	1.38E-02	2.78E+00	2.01E-02	3.36E-05	9.20E-03	2.70E-03	3.21E-02
3333	497863.09	3847877.25	1.57E-02	2.40E-05	1.33E-02	2.51E-03	3.15E-02	2.07E-02	2.30E+00	1.33E-01	1.28E-02	2.47E+00	2.01E-02	2.91E-05	1.33E-02	2.51E-03	3.60E-02
3334	498363.09	3847877.25	1.49E-02	1.62E-05	1.36E-02	2.10E-03	3.06E-02	1.97E-02	1.55E+00	1.36E-01	1.07E-02	1.72E+00	1.91E-02	1.96E-05	1.36E-02	2.10E-03	3.48E-02
3335	471363.09	3848377.25	9.42E-02	7.96E-05	9.17E-03	3.51E-03	1.07E-01	1.24E-01	7.63E+00	9.17E-02	1.79E-02	7.87E+00	1.21E-01	9.64E-05	9.17E-03	3.51E-03	1.34E-01
3336	471863.09	3848377.25	9.19E-02	7.08E-05	1.04E-02	3.90E-03	1.06E-01	1.21E-01	6.79E+00	1.04E-01	1.99E-02	7.04E+00	1.18E-01	8.58E-05	1.04E-02	3.90E-03	1.32E-01
3337	472363.09	3848377.25	1.04E-01	7.58E-05	1.03E-02	4.85E-03	1.19E-01	1.37E-01	7.27E+00	1.03E-01	2.48E-02	7.54E+00	1.33E-01	9.19E-05	1.03E-02	4.85E-03	1.48E-01
3338	472863.09	3848377.25	1.01E-01	7.47E-05	8.88E-03	5.88E-03	1.16E-01	1.33E-01	7.17E+00	8.88E-02	3.00E-02	7.42E+00	1.29E-01	9.05E-05	8.88E-03	5.88E-03	1.44E-01
3339	473363.09	3848377.25	1.14E-01	7.80E-05	8.90E-03	6.87E-03	1.30E-01	1.51E-01	7.48E+00	8.90E-02	3.51E-02	7.75E+00	1.47E-01	9.44E-05	8.90E-03	6.87E-03	1.63E-01
3340	473863.09	3848377.25	1.20E-01	7.45E-05	8.65E-03	7.67E-03	1.36E-01	1.58E-01	7.15E+00	8.65E-02	3.92E-02	7.43E+00	1.54E-01	9.03E-05	8.65E-03	7.67E-03	1.70E-01
3341	474363.09	3848377.25	1.02E-01	9.09E-05	1.09E-02	8.12E-03	1.21E-01	1.34E-01	8.72E+00	1.09E-01	4.15E-02	9.00E+00	1.30E-01	1.10E-04	1.09E-02	8.12E-03	1.49E-01
3342	474863.09	3848377.25	1.16E-01	8.69E-05	1.31E-02	8.10E-03	1.37E-01	1.53E-01	8.33E+00	1.31E-01	4.14E-02	8.66E+00	1.48E-01	1.05E-04	1.31E-02	8.10E-03	1.70E-01
3343	475363.09	3848377.25	1.19E-01	7.40E-05	1.52E-02	7.55E-03	1.42E-01	1.57E-01	7.09E+00	1.52E-01	3.86E-02	7.44E+00	1.52E-01	8.96E-05	1.52E-02	7.55E-03	1.75E-01
3344	475863.09	3848377.25	1.13E-01	5.27E-05	1.67E-02	6.58E-03	1.36E-01	1.50E-01	5.05E+00	1.67E-01	3.36E-02	5.40E+00	1.45E-01	6.38E-05	1.67E-02	6.58E-03	1.68E-01
3345	476363.09	3848377.25	1.16E-01	5.37E-05	1.72E-02	5.40E-03	1.39E-01	1.53E-01	5.15E+00	1.72E-01	2.76E-02	5.50E+00	1.49E-01	6.50E-05	1.72E-02	5.40E-03	1.71E-01
3346	476863.09	3848377.25	1.70E-01	9.69E-05	1.66E-02	6.44E-03	1.93E-01	2.25E-01	9.29E+00	1.66E-01	3.29E-02	9.72E+00	2.18E-01	1.17E-04	1.66E-02	6.44E-03	2.41E-01
3347	477363.09	3848377.25	1.72E-01	7.15E-05	1.48E-02	1.37E-02	2.00E-01	2.27E-01	6.86E+00	1.48E-01	7.00E-02	7.30E+00	2.20E-01	8.66E-05	1.48E-02	1.37E-02	2.49E-01
3348	477863.09	3848377.25	1.68E-01	5.10E-05	1.22E-02	1.52E-02	1.96E-01	2.22E-01	4.89E+00	1.22E-01	7.75E-02	5.31E+00	2.16E-01	6.18E-05	1.22E-02	1.52E-02	2.43E-01
3349	478363.09	3848377.25	1.71E-01	5.86E-05	9.35E-03	1.15E-02	1.92E-01	2.26E-01	5.62E+00	9.35E-02	5.87E-02	5.99E+00	2.19E-01	7.09E-05	9.35E-03	1.15E-02	2.40E-01
3350	478863.09	3848377.25	1.53E-01	6.17E-05	1.02E-02	1.21E-02	1.76E-01	2.03E-01	5.92E+00	1.02E-01	6.17E-02	6.28E+00	1.97E-01	7.47E-05	1.02E-02	1.21E-02	2.19E-01
3351	479363.09	3848377.25	7.97E-02	3.12E-05	2.57E-02	9.19E-03	1.15E-01	1.05E-01	2.99E+00	2.57E-01	4.69E-02	3.40E+00	1.02E-01	3.78E-05	2.57E-02	9.19E-03	1.37E-01

3352	479863.09	3848377.25	3.62E-02	2.94E-05	1.07E-02	4.19E-03	5.12E-02	4.79E-02	2.82E+00	1.07E-01	2.14E-02	3.00E+00	4.65E-02	3.57E-05	1.07E-02	4.19E-03	6.14E-02
3353	480363.09	3848377.25	4.74E-02	2.31E-05	1.04E-02	4.25E-03	6.22E-02	6.27E-02	2.22E+00	1.04E-01	2.17E-02	2.40E+00	6.08E-02	2.80E-05	1.04E-02	4.25E-03	7.55E-02
3354	480863.09	3848377.25	6.52E-02	1.94E-05	9.01E-03	4.64E-03	7.89E-02	8.61E-02	1.86E+00	9.01E-02	2.37E-02	2.06E+00	8.36E-02	2.35E-05	9.01E-03	4.64E-03	9.73E-02
3355	481363.09	3848377.25	3.85E-02	1.74E-05	9.52E-03	5.25E-03	5.33E-02	5.09E-02	1.67E+00	9.52E-02	2.68E-02	1.84E+00	4.94E-02	2.11E-05	9.52E-03	5.25E-03	6.42E-02
3356	481863.09	3848377.25	3.51E-02	1.51E-05	8.15E-03	5.40E-03	4.87E-02	4.64E-02	1.45E+00	8.15E-02	2.76E-02	1.60E+00	4.50E-02	1.83E-05	8.15E-03	5.40E-03	5.86E-02
3357	482363.09	3848377.25	4.75E-02	3.37E-05	9.66E-03	5.22E-03	6.24E-02	6.27E-02	3.23E+00	9.66E-02	2.67E-02	3.42E+00	6.09E-02	4.08E-05	9.66E-03	5.22E-03	7.58E-02
3358	482863.09	3848377.25	5.42E-02	3.52E-05	1.06E-02	4.93E-03	6.98E-02	7.16E-02	3.37E+00	1.06E-01	2.52E-02	3.58E+00	6.95E-02	4.26E-05	1.06E-02	4.93E-03	8.51E-02
3359	483363.09	3848377.25	5.14E-02	2.88E-05	1.15E-02	4.69E-03	6.76E-02	6.79E-02	2.76E+00	1.15E-01	2.39E-02	2.97E+00	6.59E-02	3.49E-05	1.15E-02	4.69E-03	8.21E-02
3360	483863.09	3848377.25	3.58E-02	2.18E-05	1.51E-02	4.45E-03	5.53E-02	4.72E-02	2.09E+00	1.51E-01	2.27E-02	2.31E+00	4.58E-02	2.64E-05	1.51E-02	4.45E-03	6.54E-02
3361	484363.09	3848377.25	5.35E-02	1.91E-05	1.83E-02	4.34E-03	7.62E-02	7.07E-02	1.83E+00	1.83E-01	2.22E-02	2.10E+00	6.86E-02	2.31E-05	1.83E-02	4.34E-03	9.13E-02
3362	484863.09	3848377.25	5.36E-02	2.10E-05	2.48E-02	4.23E-03	8.27E-02	7.08E-02	2.02E+00	2.48E-01	2.16E-02	2.36E+00	6.88E-02	2.55E-05	2.48E-02	4.23E-03	9.78E-02
3363	485363.09	3848377.25	5.07E-02	3.33E-05	2.09E-02	3.33E-03	7.50E-02	6.70E-02	3.19E+00	2.09E-01	1.70E-02	3.49E+00	6.51E-02	4.03E-05	2.09E-02	3.33E-03	8.93E-02
3364	485863.09	3848377.25	3.12E-02	3.04E-05	1.88E-02	3.62E-03	5.36E-02	4.12E-02	2.91E+00	1.88E-01	1.85E-02	3.16E+00	4.00E-02	3.68E-05	1.88E-02	3.62E-03	6.24E-02
3365	486363.09	3848377.25	2.84E-02	3.19E-05	1.21E-02	4.05E-03	4.45E-02	3.75E-02	3.06E+00	1.21E-01	2.07E-02	3.24E+00	3.64E-02	3.86E-05	1.21E-02	4.05E-03	5.25E-02
3366	486863.09	3848377.25	2.36E-02	3.81E-05	1.18E-02	4.05E-03	3.94E-02	3.12E-02	3.65E+00	1.18E-01	2.07E-02	3.82E+00	3.02E-02	4.61E-05	1.18E-02	4.05E-03	4.61E-02
3367	487363.09	3848377.25	1.61E-02	2.35E-05	1.43E-02	4.42E-03	3.49E-02	2.12E-02	2.26E+00	1.43E-01	2.26E-02	2.44E+00	2.06E-02	2.85E-05	1.43E-02	4.42E-03	3.94E-02
3368	487863.09	3848377.25	1.64E-02	1.51E-05	1.63E-02	4.39E-03	3.71E-02	2.16E-02	1.45E+00	1.63E-01	2.24E-02	1.65E+00	2.10E-02	1.83E-05	1.63E-02	4.39E-03	4.17E-02
3369	488363.09	3848377.25	1.63E-02	1.44E-05	2.42E-02	5.13E-03	4.57E-02	2.15E-02	1.38E+00	2.42E-01	2.62E-02	1.67E+00	2.09E-02	1.74E-05	2.42E-02	5.13E-03	5.03E-02
3370	488863.09	3848377.25	1.57E-02	1.70E-05	2.80E-02	5.38E-03	4.91E-02	2.07E-02	1.63E+00	2.80E-01	2.75E-02	1.96E+00	2.01E-02	2.06E-05	2.80E-02	5.38E-03	5.35E-02
3371	489363.09	3848377.25	1.34E-02	1.63E-05	2.00E-02	4.76E-03	3.82E-02	1.77E-02	1.57E+00	2.00E-01	2.43E-02	1.81E+00	1.71E-02	1.98E-05	2.00E-02	4.76E-03	4.19E-02
3372	489863.09	3848377.25	1.71E-02	1.97E-05	1.58E-02	3.40E-03	3.63E-02	2.25E-02	1.89E+00	1.58E-01	1.74E-02	2.09E+00	2.19E-02	2.39E-05	1.58E-02	3.40E-03	4.11E-02
3373	490363.09	3848377.25	2.98E-02	2.19E-05	1.52E-02	2.91E-03	4.80E-02	3.94E-02	2.10E+00	1.52E-01	1.48E-02	2.31E+00	3.82E-02	2.65E-05	1.52E-02	2.91E-03	5.64E-02
3374	490863.09	3848377.25	3.38E-02	2.12E-05	1.77E-02	3.04E-03	5.46E-02	4.47E-02	2.03E+00	1.77E-01	1.56E-02	2.27E+00	4.34E-02	2.57E-05	1.77E-02	3.04E-03	6.42E-02
3375	491363.09	3848377.25	3.41E-02	1.81E-05	1.68E-02	3.22E-03	5.41E-02	4.50E-02	1.73E+00	1.68E-01	1.65E-02	1.96E+00	4.37E-02	2.19E-05	1.68E-02	3.22E-03	6.37E-02
3376	491863.09	3848377.25	3.39E-02	1.44E-05	1.21E-02	3.09E-03	4.92E-02	4.48E-02	1.38E+00	1.21E-01	1.58E-02	1.56E+00	4.35E-02	1.74E-05	1.21E-02	3.09E-03	5.87E-02
3377	492363.09	3848377.25	3.37E-02	1.11E-05	1.01E-02	2.59E-03	4.65E-02	4.46E-02	1.07E+00	1.01E-01	1.32E-02	1.23E+00	4.33E-02	1.35E-05	1.01E-02	2.59E-03	5.60E-02
3378	492863.09	3848377.25	3.27E-02	8.69E-06	1.18E-02	2.38E-03	4.69E-02	4.32E-02	8.34E-01	1.18E-01	1.22E-02	1.01E+00	4.19E-02	1.05E-05	1.18E-02	2.38E-03	5.61E-02
3379	493363.09	3848377.25	2.71E-02	8.90E-06	1.40E-02	2.77E-03	4.38E-02	3.57E-02	8.53E-01	1.40E-01	1.42E-02	1.04E+00	3.47E-02	1.08E-05	1.40E-02	2.77E-03	5.14E-02
3380	493863.09	3848377.25	1.51E-02	1.30E-05	1.39E-02	2.73E-03	3.18E-02	2.00E-02	1.25E+00	1.39E-01	1.40E-02	1.42E+00	1.94E-02	1.57E-05	1.39E-02	2.73E-03	3.60E-02
3381	494363.09	3848377.25	1.45E-02	1.88E-05	1.18E-02	2.46E-03	2.88E-02	1.92E-02	1.80E+00	1.18E-01	1.26E-02	1.95E+00	1.86E-02	2.27E-05	1.18E-02	2.46E-03	3.29E-02
3382	494863.09	3848377.25	1.54E-02	2.21E-05	1.21E-02	2.51E-03	3.00E-02	2.03E-02	2.12E+00	1.21E-01	1.28E-02	2.28E+00	1.97E-02	2.68E-05	1.21E-02	2.51E-03	3.43E-02
3383	495363.09	3848377.25	1.55E-02	2.12E-05	1.48E-02	2.28E-03	3.26E-02	2.05E-02	2.03E+00	1.48E-01	1.17E-02	2.21E+00	1.99E-02	2.57E-05	1.48E-02	2.28E-03	3.70E-02
3384	495863.09	3848377.25	1.56E-02	2.00E-05	1.45E-02	2.10E-03	3.22E-02	2.06E-02	1.92E+00	1.45E-01	1.07E-02	2.10E+00	2.00E-02	2.43E-05	1.45E-02	2.10E-03	3.66E-02
3385	496363.09	3848377.25	1.57E-02	2.37E-05	1.18E-02	2.11E-03	2.97E-02	2.08E-02	2.27E+00	1.18E-01	1.08E-02	2.42E+00	2.01E-02	2.87E-05	1.18E-02	2.11E-03	3.41E-02
3386	496863.09	3848377.25	1.58E-02	2.79E-05	9.03E-03	2.22E-03	2.71E-02	2.09E-02	2.68E+00	9.03E-02	1.13E-02	2.80E+00	2.03E-02	3.38E-05	9.03E-03	2.22E-03	3.16E-02
3387	497363.09	3848377.25	1.58E-02	2.56E-05	1.04E-02	2.20E-03	2.84E-02	2.08E-02	2.46E+00	1.04E-01	1.12E-02	2.59E+00	2.02E-02	3.10E-05	1.04E-02	2.20E-03	3.29E-02
3388	497863.09	3848377.25	1.46E-02	1.80E-05	1.31E-02	2.25E-03	3.00E-02	1.92E-02	1.73E+00	1.31E-01	1.15E-02	1.89E+00	1.87E-02	2.18E-05	1.31E-02	2.25E-03	3.41E-02
3389	498363.09	3848377.25	1.37E-02	1.00E-05	1.21E-02	2.44E-03	2.82E-02	1.80E-02	9.62E-01	1.21E-01	1.25E-02	1.11E+00	1.75E-02	1.21E-05	1.21E-02	2.44E-03	3.21E-02
3390	471363.09	3848877.25	6.20E-02	8.00E-05	6.98E-03	4.20E-03	7.33E-02	8.19E-02	7.67E+00	6.98E-02	2.14E-02	7.85E+00	7.95E-02	9.69E-05	6.98E-03	4.20E-03	9.08E-02
3391	471863.09	3848877.25	9.13E-02	8.10E-05	7.98E-03	3.90E-03	1.03E-01	1.21E-01	7.77E+00	7.98E-02	1.99E-02	7.99E+00	1.17E-01	9.82E-05	7.98E-03	3.90E-03	1.29E-01
3392	472363.09	3848877.25	9.95E-02	8.50E-05	9.92E-03	3.70E-03	1.13E-01	1.31E-01	8.15E+00	9.92E-02	1.89E-02	8.40E+00	1.28E-01	1.03E-04	9.92E-03	3.70E-03	1.41E-01
3393	472863.09	3848877.25	9.72E-02	7.79E-05	1.08E-02	4.68E-03	1.13E-01	1.28E-01	7.47E+00	1.08E-01	2.39E-02	7.73E+00	1.25E-01	9.44E-05	1.08E-02	4.68E-03	1.40E-01
3394	473363.09	3848877.25	1.08E-01	8.01E-05	1.02E-02	5.77E-03	1.24E-01	1.42E-01	7.68E+00	1.02E-01	2.95E-02	7.95E+00	1.38E-01	9.70E-05	1.02E-02	5.77E-03	1.54E-01
3395	473863.09	3848877.25	1.07E-01	8.40E-05	9.14E-03	6.87E-03	1.23E-01	1.41E-01	8.06E+00	9.14E-02	3.51E-02	8.32E+00	1.37E-01	1.02E-04	9.14E-03	6.87E-03	1.53E-01
3396	474363.09	3848877.25	1.17E-01	8.47E-05	9.09E-03	7.82E-03	1.34E-01	1.55E-01	8.13E+00	9.09E-02	4.00E-02	8.41E+00	1.50E-01	1.03E-04	9.09E-03	7.82E-03	1.67E-01
3397	474863.09	3848877.25	1.32E-01	8.74E-05	1.05E-02	8.44E-03	1.51E-01	1.74E-01	8.38E+00	1.05E-01	4.31E-02	8.70E+00	1.69E-01	1.06E-04	1.05E-02	8.44E-03	1.88E-01
3398	475363.09	3848877.25	1.37E-01	1.08E-04	1.30E-02	8.53E-03	1.58E-01	1.80E-01	1.04E+01	1.30E-01	4.36E-02	1.07E+01	1.75E-01	1.31E-04	1.30E-02	8.53E-03	1.97E-01
3399	475863.09	3848877.25	1.27E-01	9.07E-05	1.53E-02	8.04E-03	1.51E-01	1.68E-01	8.70E+00	1.53E-01	4.11E-02	9.06E+00	1.63E-01	1.10E-04	1.53E-02	8.04E-03	1.87E-01
3400	476363.09	3848877.25	1.25E-01	7.02E-05	1.71E-02	7.04E-03	1.49E-01	1.65E-01	6.74E+00	1.71E-01	3.60E-02	7.11E+00	1.60E-01	8.51E-05	1.71E-02	7.04E-03	1.84E-01
3401	476863.09	3848877.25	1.30E-01	7.81E-05	1.80E-02	5.76E-03	1.53E-01	1.71E-01	7.49E+00	1.80E-01	2.94E-02	7.87E+00	1.66E-01	9.46E-05	1.80E-02	5.76E-03	1.90E-01
3402	477363.09	3848877.25	1.79E-01	1.18E-04	1.76E-02	6.75E-03	2.03E-01	2.36E-01	1.14E+01	1.76E-01	3.45E-02	1.18E+01	2.29E-01	1.44E-04	1.76E-02	6.75E-03	2.54E-01
3403	477863.09	3848877.25	1.84E-01	8.06E-05	1.59E-02	1.44E-02	2.15E-01	2.44E-01	7.73E+00	1.59E-01	7.37E-02	8.21E+00	2.36E-01	9.77E-05	1.59E-02	1.44E-02	2.67E-01
3404	478363.09	3848877.25	1.88E-01	5.56E-05	1.32E-02	1.51E-02	2.16E-01	2.48E-01	5.33E+00	1.32E-01	7.74E-02	5.79E+00	2.41E-01	6.73E-05	1.32E-02	1.51E-02	2.69E-01
3405	478863.09	3848877.25	1.91E-01	6.10E-05	1.00E-02	1.53E-02	2.17E-01	2.53E-01	5.85E+00	1.00E-01	7.82E-02	6.28E+00	2.45E-01	7.39E-05	1.00E-02	1.53E-02	2.71E-01
3406	479363.09	3848877.25	1.46E-01	6.19E-05	1.20E-02	1.75E-02	1.75E-01	1.93E-01	5.93E+00	1.20E-01	8.96E-02	6.34E+00	1.87E-01	7.50E-05	1.20E-02	1.75E-02	2.17E-01
3407	479863.09	3848877.25	7.49E-02	3.14E-05	3.30E-02	1.07E-02	1.19E-01	9.89E-02	3.01E+00	3.30E-01	5.45E-02	3.50E+00	9.60E-02	3.81E-05	3.30E-02	1.07E-02	1.40E-01
3408	480363.09	3848877.25	8.72E-02	2.83E-05	5.92E-02	6.35E-03	1.53E-01	1.15E-01	2.71E+00	5.92E-01	3.24E-02	3.45E+00	1.12E-01	3.43E-05	5.92E-02	6.35E-03	1.77E-01
3409	480863.09	3848877.25	1.02E-01	2.76E-05	4.36E-02	4.89E-03	1.51E-01	1.35E-01	2.64E+00	4.36E-01	2.50E-02	3.24E+00	1.31E-01	3.34E-05	4.36E-02	4.89E-03	1.79E-01
3410	481363.09	3848877.25	6.89E-02	2.17E-05	9.35E-03	6.03E-03	8.43E-02	9.10E-02	2.08E+00	9.35E-02	3.08E-02	2.30E+00	8.83E-02	2.63E-05	9.35E-03	6.03E-03	1.04E-01
3411	481863.09	3848877.25	4.46E-02	1.64E-05	9.72E-03	5.58E-03	5.99E-02	5.89E-02	1.57E+00	9.72E-02	2.85E-02	1.76E+00	5.71E-02	1.99E-05	9.72E-03	5.58E-03	7.24E-02
3412	482363.09	3848877.25	3.48E-02	3.23E-05	9.12E-03	5.42E-03	4.94E-02	4.60E-02	3.10E+00	9.12E-02	2.77E-02	3.26E+00	4.47E-02	3.91E-05	9.12E-03	5.42E-03	5.93E-02

3413	482863.09	3848877.25	3.45E-02	3.56E-05	1.06E-02	5.09E-03	5.03E-02	4.56E-02	3.41E+00	1.06E-01	2.60E-02	3.59E+00	4.42E-02	4.31E-05	1.06E-02	5.09E-03	6.00E-02
3414	483363.09	3848877.25	3.72E-02	2.99E-05	1.11E-02	4.81E-03	5.31E-02	4.91E-02	2.87E+00	1.11E-01	2.46E-02	3.06E+00	4.76E-02	3.63E-05	1.11E-02	4.81E-03	6.36E-02
3415	483863.09	3848877.25	3.18E-02	2.26E-05	1.42E-02	4.61E-03	5.07E-02	4.21E-02	2.17E+00	1.42E-01	2.36E-02	2.38E+00	4.08E-02	2.74E-05	1.42E-02	4.61E-03	5.96E-02
3416	484363.09	3848877.25	5.37E-02	2.05E-05	1.78E-02	4.37E-03	7.58E-02	7.09E-02	1.97E+00	1.78E-01	2.23E-02	2.24E+00	6.88E-02	2.48E-05	1.78E-02	4.37E-03	9.10E-02
3417	484863.09	3848877.25	5.38E-02	1.95E-05	2.36E-02	4.22E-03	8.16E-02	7.10E-02	1.87E+00	2.36E-01	2.15E-02	2.19E+00	6.90E-02	2.36E-05	2.36E-02	4.22E-03	9.68E-02
3418	485363.09	3848877.25	5.19E-02	3.31E-05	2.40E-02	3.39E-03	7.93E-02	6.86E-02	3.17E+00	2.40E-01	1.73E-02	3.50E+00	6.65E-02	4.01E-05	2.40E-02	3.39E-03	9.39E-02
3419	485863.09	3848877.25	3.36E-02	3.11E-05	2.03E-02	3.62E-03	5.75E-02	4.43E-02	2.98E+00	2.03E-01	1.85E-02	3.25E+00	4.30E-02	3.77E-05	2.03E-02	3.62E-03	6.69E-02
3420	486363.09	3848877.25	3.01E-02	3.07E-05	1.31E-02	4.25E-03	4.74E-02	3.97E-02	2.94E+00	1.31E-01	2.17E-02	3.13E+00	3.86E-02	3.72E-05	1.31E-02	4.25E-03	5.59E-02
3421	486863.09	3848877.25	2.46E-02	3.86E-05	1.25E-02	4.37E-03	4.15E-02	3.25E-02	3.71E+00	1.25E-01	2.23E-02	3.89E+00	3.15E-02	4.68E-05	1.25E-02	4.37E-03	4.84E-02
3422	487363.09	3848877.25	2.26E-02	2.63E-05	1.48E-02	4.48E-03	4.19E-02	2.98E-02	2.52E+00	1.48E-01	2.29E-02	2.72E+00	2.90E-02	3.19E-05	1.48E-02	4.48E-03	4.83E-02
3423	487863.09	3848877.25	1.64E-02	1.62E-05	1.70E-02	4.47E-03	3.79E-02	2.16E-02	1.56E+00	1.70E-01	2.29E-02	1.77E+00	2.10E-02	1.96E-05	1.70E-02	4.47E-03	4.25E-02
3424	488363.09	3848877.25	1.63E-02	1.62E-05	2.52E-02	5.17E-03	4.66E-02	2.15E-02	1.55E+00	2.52E-01	2.64E-02	1.85E+00	2.09E-02	1.96E-05	2.52E-02	5.17E-03	5.12E-02
3425	488863.09	3848877.25	1.97E-02	1.72E-05	2.84E-02	5.41E-03	5.36E-02	2.60E-02	1.65E+00	2.84E-01	2.76E-02	1.99E+00	2.53E-02	2.09E-05	2.84E-02	5.41E-03	5.92E-02
3426	489363.09	3848877.25	2.14E-02	1.90E-05	1.91E-02	4.73E-03	4.52E-02	2.82E-02	1.83E+00	1.91E-01	2.42E-02	2.07E+00	2.74E-02	2.31E-05	1.91E-02	4.73E-03	5.12E-02
3427	489863.09	3848877.25	2.84E-02	2.19E-05	2.40E-02	3.33E-03	5.57E-02	3.75E-02	2.10E+00	2.40E-01	1.70E-02	2.39E+00	3.64E-02	2.65E-05	2.40E-02	3.33E-03	6.37E-02
3428	490363.09	3848877.25	3.38E-02	2.19E-05	2.19E-02	2.88E-03	5.86E-02	4.47E-02	2.10E+00	2.19E-01	1.47E-02	2.38E+00	4.33E-02	2.65E-05	2.19E-02	2.88E-03	6.82E-02
3429	490863.09	3848877.25	3.42E-02	1.91E-05	1.88E-02	3.18E-03	5.62E-02	4.52E-02	1.83E+00	1.88E-01	1.62E-02	2.08E+00	4.38E-02	2.31E-05	1.88E-02	3.18E-03	6.58E-02
3430	491363.09	3848877.25	3.40E-02	1.53E-05	1.61E-02	3.30E-03	5.34E-02	4.49E-02	1.47E+00	1.61E-01	1.68E-02	1.69E+00	4.36E-02	1.85E-05	1.61E-02	3.30E-03	6.30E-02
3431	491863.09	3848877.25	3.38E-02	1.19E-05	1.16E-02	3.04E-03	4.85E-02	4.47E-02	1.14E+00	1.16E-01	1.55E-02	1.32E+00	4.34E-02	1.45E-05	1.16E-02	3.04E-03	5.80E-02
3432	492363.09	3848877.25	3.33E-02	9.13E-06	1.06E-02	2.54E-03	4.64E-02	4.39E-02	8.76E-01	1.06E-01	1.30E-02	1.04E+00	4.26E-02	1.11E-05	1.06E-02	2.54E-03	5.58E-02
3433	492863.09	3848877.25	2.93E-02	9.00E-06	1.38E-02	2.97E-03	4.60E-02	3.86E-02	8.63E-01	1.38E-01	1.52E-02	1.05E+00	3.75E-02	1.09E-05	1.38E-02	2.97E-03	5.43E-02
3434	493363.09	3848877.25	1.80E-02	1.18E-05	1.49E-02	2.39E-03	3.53E-02	2.38E-02	1.13E+00	1.49E-01	1.22E-02	1.31E+00	2.31E-02	1.42E-05	1.49E-02	2.39E-03	4.04E-02
3435	493863.09	3848877.25	1.52E-02	1.77E-05	1.34E-02	2.52E-03	3.11E-02	2.01E-02	1.70E+00	1.34E-01	1.29E-02	1.86E+00	1.95E-02	2.14E-05	1.34E-02	2.52E-03	3.54E-02
3436	494363.09	3848877.25	1.56E-02	2.20E-05	1.09E-02	2.47E-03	2.89E-02	2.06E-02	2.11E+00	1.09E-01	1.26E-02	2.25E+00	2.00E-02	2.67E-05	1.09E-02	2.47E-03	3.33E-02
3437	494863.09	3848877.25	1.56E-02	2.18E-05	1.50E-02	2.39E-03	3.30E-02	2.07E-02	2.09E+00	1.50E-01	1.22E-02	2.27E+00	2.00E-02	2.64E-05	1.50E-02	2.39E-03	3.75E-02
3438	495363.09	3848877.25	1.57E-02	1.97E-05	1.57E-02	2.20E-03	3.37E-02	2.08E-02	1.89E+00	1.57E-01	1.12E-02	2.08E+00	2.02E-02	2.39E-05	1.57E-02	2.20E-03	3.81E-02
3439	495863.09	3848877.25	1.59E-02	2.24E-05	1.24E-02	2.00E-03	3.03E-02	2.10E-02	2.14E+00	1.24E-01	1.02E-02	2.30E+00	2.04E-02	2.71E-05	1.24E-02	2.00E-03	3.48E-02
3440	496363.09	3848877.25	1.60E-02	2.77E-05	9.30E-03	2.19E-03	2.75E-02	2.12E-02	2.66E+00	9.30E-02	1.12E-02	2.78E+00	2.05E-02	3.35E-05	9.30E-03	2.19E-03	3.21E-02
3441	496863.09	3848877.25	1.58E-02	2.71E-05	1.09E-02	2.26E-03	2.90E-02	2.09E-02	2.60E+00	1.09E-01	1.15E-02	2.74E+00	2.03E-02	3.28E-05	1.09E-02	2.26E-03	3.34E-02
3442	497363.09	3848877.25	1.40E-02	1.99E-05	1.30E-02	2.41E-03	2.95E-02	1.86E-02	1.91E+00	1.30E-01	1.23E-02	2.07E+00	1.80E-02	2.41E-05	1.30E-02	2.41E-03	3.34E-02
3443	497863.09	3848877.25	1.44E-02	1.15E-05	1.25E-02	2.74E-03	2.97E-02	1.90E-02	1.10E+00	1.25E-01	1.40E-02	1.26E+00	1.85E-02	1.40E-05	1.25E-02	2.74E-03	3.38E-02
3444	498363.09	3848877.25	1.89E-02	9.92E-06	1.06E-02	2.88E-03	3.24E-02	2.50E-02	9.52E-01	1.06E-01	1.47E-02	1.10E+00	2.43E-02	1.20E-05	1.06E-02	2.88E-03	3.78E-02
3445	471363.09	3849377.25	9.11E-02	7.70E-05	7.49E-03	3.91E-03	1.03E-01	1.20E-01	7.38E+00	7.49E-02	2.00E-02	7.60E+00	1.17E-01	9.33E-05	7.49E-03	3.91E-03	1.28E-01
3446	471863.09	3849377.25	8.07E-02	8.97E-05	7.47E-03	4.21E-03	9.25E-02	1.07E-01	8.61E+00	7.47E-02	2.15E-02	8.81E+00	1.03E-01	1.09E-04	7.47E-03	4.21E-03	1.15E-01
3447	472363.09	3849377.25	6.98E-02	8.76E-05	7.28E-03	4.15E-03	8.13E-02	9.22E-02	8.40E+00	7.28E-02	2.12E-02	8.58E+00	8.95E-02	1.06E-04	7.28E-03	4.15E-03	1.01E-01
3448	472863.09	3849377.25	9.90E-02	9.33E-05	8.83E-03	3.70E-03	1.12E-01	1.31E-01	8.95E+00	8.83E-02	1.89E-02	9.19E+00	1.27E-01	1.13E-04	8.83E-03	3.70E-03	1.40E-01
3449	473363.09	3849377.25	1.05E-01	8.56E-05	1.06E-02	4.48E-03	1.20E-01	1.39E-01	8.21E+00	1.06E-01	2.29E-02	8.48E+00	1.35E-01	1.04E-04	1.06E-02	4.48E-03	1.50E-01
3450	473863.09	3849377.25	1.08E-01	8.95E-05	1.11E-02	5.62E-03	1.25E-01	1.42E-01	8.58E+00	1.11E-01	2.87E-02	8.87E+00	1.38E-01	1.08E-04	1.11E-02	5.62E-03	1.55E-01
3451	474363.09	3849377.25	1.12E-01	8.52E-05	9.85E-03	6.84E-03	1.28E-01	1.48E-01	8.17E+00	9.85E-02	3.49E-02	8.45E+00	1.43E-01	1.03E-04	9.85E-03	6.84E-03	1.60E-01
3452	474863.09	3849377.25	1.20E-01	8.93E-05	9.61E-03	7.95E-03	1.38E-01	1.59E-01	8.57E+00	9.61E-02	4.06E-02	8.86E+00	1.54E-01	1.08E-04	9.61E-03	7.95E-03	1.72E-01
3453	475363.09	3849377.25	1.33E-01	1.07E-04	1.00E-02	8.74E-03	1.52E-01	1.76E-01	1.03E+01	1.00E-01	4.46E-02	1.06E+01	1.71E-01	1.29E-04	1.00E-02	8.74E-03	1.90E-01
3454	475863.09	3849377.25	1.19E-01	1.37E-04	1.27E-02	8.99E-03	1.41E-01	1.57E-01	1.31E+01	1.27E-01	4.59E-02	1.35E+01	1.52E-01	1.66E-04	1.27E-02	8.99E-03	1.74E-01
3455	476363.09	3849377.25	1.31E-01	1.20E-04	1.53E-02	8.57E-03	1.56E-01	1.74E-01	1.15E+01	1.53E-01	4.38E-02	1.18E+01	1.69E-01	1.45E-04	1.53E-02	8.57E-03	1.93E-01
3456	476863.09	3849377.25	1.46E-01	1.05E-04	1.75E-02	7.56E-03	1.71E-01	1.93E-01	1.01E+01	1.75E-01	3.86E-02	1.05E+01	1.87E-01	1.28E-04	1.75E-02	7.56E-03	2.12E-01
3457	477363.09	3849377.25	1.30E-01	1.25E-04	1.87E-02	6.17E-03	1.55E-01	1.72E-01	1.20E+01	1.87E-01	3.15E-02	1.24E+01	1.67E-01	1.52E-04	1.87E-02	6.17E-03	1.92E-01
3458	477863.09	3849377.25	1.89E-01	1.19E-04	1.86E-02	8.03E-03	2.16E-01	2.50E-01	1.14E+01	1.86E-01	4.10E-02	1.19E+01	2.42E-01	1.44E-04	1.86E-02	8.03E-03	2.69E-01
3459	478363.09	3849377.25	1.93E-01	8.85E-05	1.70E-02	1.43E-02	2.24E-01	2.55E-01	8.49E+00	1.70E-01	7.29E-02	8.99E+00	2.47E-01	1.07E-04	1.70E-02	1.43E-02	2.78E-01
3460	478863.09	3849377.25	2.04E-01	5.58E-05	1.42E-02	1.50E-02	2.33E-01	2.69E-01	5.36E+00	1.42E-01	7.67E-02	5.84E+00	2.62E-01	6.76E-05	1.42E-02	1.50E-02	2.91E-01
3461	479363.09	3849377.25	2.15E-01	6.18E-05	1.08E-02	1.54E-02	2.41E-01	2.84E-01	5.93E+00	1.08E-01	7.84E-02	6.40E+00	2.76E-01	7.49E-05	1.08E-02	1.54E-02	3.02E-01
3462	479863.09	3849377.25	1.43E-01	6.24E-05	1.44E-02	2.34E-02	1.81E-01	1.89E-01	5.99E+00	1.44E-01	1.20E-01	6.44E+00	1.83E-01	7.56E-05	1.44E-02	2.34E-02	2.21E-01
3463	480363.09	3849377.25	1.20E-01	6.30E-05	5.47E-02	2.48E-02	2.00E-01	1.59E-01	6.04E+00	5.47E-01	1.27E-01	6.87E+00	1.54E-01	7.63E-05	5.47E-02	2.48E-02	2.34E-01
3464	480863.09	3849377.25	1.45E-01	5.32E-05	8.37E-02	1.02E-02	2.39E-01	1.92E-01	5.10E+00	8.37E-01	5.19E-02	6.19E+00	1.86E-01	6.45E-05	8.37E-02	1.02E-02	2.80E-01
3465	481363.09	3849377.25	8.58E-02	3.02E-05	2.66E-02	5.96E-03	1.18E-01	1.13E-01	2.90E+00	2.66E-01	3.04E-02	3.31E+00	1.10E-01	3.66E-05	2.66E-02	5.96E-03	1.43E-01
3466	481863.09	3849377.25	4.20E-02	1.74E-05	9.93E-03	5.74E-03	5.77E-02	5.54E-02	1.67E+00	9.93E-02	2.93E-02	1.85E+00	5.38E-02	2.11E-05	9.93E-03	5.74E-03	6.95E-02
3467	482363.09	3849377.25	3.26E-02	3.05E-05	9.56E-03	5.64E-03	4.78E-02	4.30E-02	2.93E+00	9.56E-02	2.88E-02	3.09E+00	4.17E-02	3.70E-05	9.56E-03	5.64E-03	5.70E-02
3468	482863.09	3849377.25	3.02E-02	3.57E-05	1.03E-02	5.26E-03	4.58E-02	3.99E-02	3.43E+00	1.03E-01	2.69E-02	3.60E+00	3.87E-02	4.33E-05	1.03E-02	5.26E-03	5.43E-02
3469	483363.09	3849377.25	3.84E-02	3.10E-05	1.15E-02	4.94E-03	5.49E-02	5.07E-02	2.97E+00	1.15E-01	2.52E-02	3.17E+00	4.92E-02	3.76E-05	1.15E-02	4.94E-03	6.57E-02
3470	483863.09	3849377.25	3.22E-02	2.36E-05	1.30E-02	4.75E-03	4.99E-02	4.25E-02	2.26E+00	1.30E-01	2.43E-02	2.46E+00	4.13E-02	2.86E-05	1.30E-02	4.75E-03	5.90E-02
3471	484363.09	3849377.25	5.40E-02	2.15E-05	1.73E-02	4.58E-03	7.58E-02	7.13E-02	2.06E+00	1.73E-01	2.34E-02	2.33E+00	6.92E-02	2.60E-05	1.73E-02	4.58E-03	9.10E-02
3472	484863.09	3849377.25	5.40E-02	1.81E-05	2.09E-02	4.33E-03	7.92E-02	7.13E-02	1.74E+00	2.09E-01	2.21E-02	2.04E+00	6.92E-02	2.19E-05	2.09E-02	4.33E-03	9.45E-02
3473	485363.09	3849377.25	5.27E-02	3.27E-05	2.61E-02	3.62E-03	8.24E-02	6.95E-02	3.13E+00	2.61E-01	1.85E-02	3.48E+00	6.75E-02	3.96E-05	2.61E-02	3.62E-03	9.73E-02

3474	485863.09	3849377.25	3.63E-02	3.19E-05	1.96E-02	3.98E-03	5.99E-02	4.79E-02	3.06E+00	1.96E-01	2.03E-02	3.33E+00	4.65E-02	3.87E-05	1.96E-02	3.98E-03	7.01E-02
3475	486363.09	3849377.25	2.69E-02	2.96E-05	1.33E-02	4.27E-03	4.45E-02	3.55E-02	2.84E+00	1.33E-01	2.18E-02	3.03E+00	3.45E-02	3.58E-05	1.33E-02	4.27E-03	5.21E-02
3476	486863.09	3849377.25	2.62E-02	3.88E-05	1.32E-02	4.62E-03	4.41E-02	3.46E-02	3.72E+00	1.32E-01	2.36E-02	3.91E+00	3.36E-02	4.70E-05	1.32E-02	4.62E-03	5.14E-02
3477	487363.09	3849377.25	2.29E-02	2.91E-05	1.53E-02	4.39E-03	4.26E-02	3.03E-02	2.79E+00	1.53E-01	2.24E-02	2.99E+00	2.94E-02	3.52E-05	1.53E-02	4.39E-03	4.91E-02
3478	487863.09	3849377.25	2.34E-02	1.82E-05	1.78E-02	4.53E-03	4.57E-02	3.09E-02	1.74E+00	1.78E-01	2.31E-02	1.98E+00	3.00E-02	2.20E-05	1.78E-02	4.53E-03	5.23E-02
3479	488363.09	3849377.25	2.38E-02	1.75E-05	2.62E-02	5.20E-03	5.52E-02	3.15E-02	1.68E+00	2.62E-01	2.65E-02	2.00E+00	3.05E-02	2.12E-05	2.62E-02	5.20E-03	6.19E-02
3480	488863.09	3849377.25	2.21E-02	1.82E-05	2.86E-02	5.44E-03	5.62E-02	2.91E-02	1.75E+00	2.86E-01	2.78E-02	2.09E+00	2.83E-02	2.21E-05	2.86E-02	5.44E-03	6.24E-02
3481	489363.09	3849377.25	2.64E-02	2.16E-05	1.80E-02	4.72E-03	4.91E-02	3.49E-02	2.08E+00	1.80E-01	2.41E-02	2.31E+00	3.39E-02	2.62E-05	1.80E-02	4.72E-03	5.66E-02
3482	489863.09	3849377.25	3.37E-02	2.24E-05	2.55E-02	3.28E-03	6.25E-02	4.46E-02	2.15E+00	2.55E-01	1.67E-02	2.46E+00	4.33E-02	2.71E-05	2.55E-02	3.28E-03	7.20E-02
3483	490363.09	3849377.25	3.43E-02	2.01E-05	2.56E-02	3.03E-03	6.30E-02	4.54E-02	1.93E+00	2.56E-01	1.55E-02	2.25E+00	4.40E-02	2.44E-05	2.56E-02	3.03E-03	7.27E-02
3484	490863.09	3849377.25	3.41E-02	1.63E-05	2.39E-02	3.30E-03	6.13E-02	4.50E-02	1.56E+00	2.39E-01	1.69E-02	1.86E+00	4.37E-02	1.97E-05	2.39E-02	3.30E-03	7.09E-02
3485	491363.09	3849377.25	3.39E-02	1.28E-05	2.20E-02	3.34E-03	5.93E-02	4.48E-02	1.23E+00	2.20E-01	1.70E-02	1.51E+00	4.35E-02	1.55E-05	2.20E-02	3.34E-03	6.88E-02
3486	491863.09	3849377.25	3.36E-02	9.76E-06	1.14E-02	2.93E-03	4.79E-02	4.44E-02	9.36E-01	1.14E-01	1.50E-02	1.11E+00	4.30E-02	1.18E-05	1.14E-02	2.93E-03	5.74E-02
3487	492363.09	3849377.25	3.10E-02	9.43E-06	1.31E-02	3.15E-03	4.73E-02	4.10E-02	9.04E-01	1.31E-01	1.61E-02	1.09E+00	3.98E-02	1.14E-05	1.31E-02	3.15E-03	5.60E-02
3488	492863.09	3849377.25	2.11E-02	1.10E-05	1.55E-02	3.47E-03	4.00E-02	2.79E-02	1.06E+00	1.55E-01	1.77E-02	1.26E+00	2.70E-02	1.33E-05	1.55E-02	3.47E-03	4.60E-02
3489	493363.09	3849377.25	1.57E-02	1.65E-05	1.49E-02	2.69E-03	3.33E-02	2.07E-02	1.58E+00	1.49E-01	1.37E-02	1.76E+00	2.01E-02	1.99E-05	1.49E-02	2.69E-03	3.77E-02
3490	493863.09	3849377.25	1.58E-02	2.17E-05	1.20E-02	2.58E-03	3.04E-02	2.08E-02	2.08E+00	1.20E-01	1.32E-02	2.23E+00	2.02E-02	2.63E-05	1.20E-02	2.58E-03	3.48E-02
3491	494363.09	3849377.25	1.58E-02	2.24E-05	1.48E-02	2.44E-03	3.30E-02	2.09E-02	2.15E+00	1.48E-01	1.25E-02	2.33E+00	2.03E-02	2.72E-05	1.48E-02	2.44E-03	3.75E-02
3492	494863.09	3849377.25	1.59E-02	1.98E-05	2.04E-02	2.84E-03	3.92E-02	2.10E-02	1.90E+00	2.04E-01	1.45E-02	2.14E+00	2.04E-02	2.40E-05	2.04E-02	2.84E-03	4.37E-02
3493	495363.09	3849377.25	1.61E-02	2.10E-05	1.75E-02	2.60E-03	3.63E-02	2.13E-02	2.02E+00	1.75E-01	1.33E-02	2.23E+00	2.06E-02	2.55E-05	1.75E-02	2.60E-03	4.08E-02
3494	495863.09	3849377.25	1.62E-02	2.70E-05	9.65E-03	2.17E-03	2.81E-02	2.14E-02	2.59E+00	9.65E-02	1.11E-02	2.72E+00	2.08E-02	3.27E-05	9.65E-03	2.17E-03	3.27E-02
3495	496363.09	3849377.25	1.58E-02	2.83E-05	1.05E-02	2.19E-03	2.86E-02	2.09E-02	2.72E+00	1.05E-01	1.12E-02	2.85E+00	2.03E-02	3.43E-05	1.05E-02	2.19E-03	3.30E-02
3496	496863.09	3849377.25	1.38E-02	2.19E-05	1.15E-02	2.57E-03	2.78E-02	1.82E-02	2.10E+00	1.15E-01	1.31E-02	2.24E+00	1.76E-02	2.65E-05	1.15E-02	2.57E-03	3.17E-02
3497	497363.09	3849377.25	2.02E-02	1.31E-05	1.30E-02	2.30E-03	3.54E-02	2.66E-02	1.26E+00	1.30E-01	1.18E-02	1.43E+00	2.58E-02	1.59E-05	1.30E-02	2.30E-03	4.11E-02
3498	497863.09	3849377.25	2.52E-02	1.13E-05	1.56E-02	3.02E-03	4.38E-02	3.32E-02	1.09E+00	1.56E-01	1.54E-02	1.29E+00	3.23E-02	1.37E-05	1.56E-02	3.02E-03	5.09E-02
3499	498363.09	3849377.25	2.75E-02	1.32E-05	1.48E-02	2.88E-03	4.52E-02	3.63E-02	1.27E+00	1.48E-01	1.47E-02	1.47E+00	3.52E-02	1.60E-05	1.48E-02	2.88E-03	5.29E-02
3500	471363.09	3849877.25	8.12E-02	5.86E-05	1.32E-02	4.12E-03	9.86E-02	1.07E-01	5.62E+00	1.32E-01	2.11E-02	5.88E+00	1.04E-01	7.10E-05	1.32E-02	4.12E-03	1.22E-01
3501	471863.09	3849877.25	8.69E-02	6.79E-05	9.14E-03	3.75E-03	9.99E-02	1.15E-01	6.52E+00	9.14E-02	1.92E-02	6.74E+00	1.11E-01	8.23E-05	9.14E-03	3.75E-03	1.24E-01
3502	472363.09	3849877.25	9.97E-02	9.03E-05	7.86E-03	4.04E-03	1.12E-01	1.32E-01	8.66E+00	7.86E-02	2.07E-02	8.90E+00	1.28E-01	1.09E-04	7.86E-03	4.04E-03	1.40E-01
3503	472863.09	3849877.25	8.99E-02	9.72E-05	7.82E-03	4.24E-03	1.02E-01	1.19E-01	9.32E+00	7.82E-02	2.17E-02	9.54E+00	1.15E-01	1.18E-04	7.82E-03	4.24E-03	1.27E-01
3504	473363.09	3849877.25	7.82E-02	9.33E-05	7.59E-03	4.03E-03	8.99E-02	1.03E-01	8.95E+00	7.59E-02	2.06E-02	9.15E+00	1.00E-01	1.13E-04	7.59E-03	4.03E-03	1.12E-01
3505	473863.09	3849877.25	1.08E-01	1.02E-04	9.71E-03	4.25E-03	1.22E-01	1.42E-01	9.75E+00	9.71E-02	2.17E-02	1.00E+01	1.38E-01	1.23E-04	9.71E-03	4.25E-03	1.52E-01
3506	474363.09	3849877.25	1.10E-01	9.42E-05	1.13E-02	5.43E-03	1.27E-01	1.45E-01	9.03E+00	1.13E-01	2.78E-02	9.32E+00	1.41E-01	1.14E-04	1.13E-02	5.43E-03	1.58E-01
3507	474863.09	3849877.25	1.18E-01	9.21E-05	1.12E-02	6.75E-03	1.36E-01	1.55E-01	8.84E+00	1.12E-01	3.45E-02	9.14E+00	1.51E-01	1.12E-04	1.12E-02	6.75E-03	1.69E-01
3508	475363.09	3849877.25	1.21E-01	9.64E-05	9.82E-03	8.03E-03	1.39E-01	1.60E-01	9.24E+00	9.82E-02	4.10E-02	9.54E+00	1.55E-01	1.17E-04	9.82E-03	8.03E-03	1.73E-01
3509	475863.09	3849877.25	1.35E-01	1.06E-04	9.85E-03	9.02E-03	1.54E-01	1.78E-01	1.01E+01	9.85E-02	4.61E-02	1.05E+01	1.73E-01	1.28E-04	9.85E-03	9.02E-03	1.92E-01
3510	476363.09	3849877.25	1.41E-01	1.42E-04	1.23E-02	9.46E-03	1.63E-01	1.87E-01	1.36E+01	1.23E-01	4.83E-02	1.40E+01	1.81E-01	1.72E-04	1.23E-02	9.46E-03	2.03E-01
3511	476863.09	3849877.25	1.36E-01	1.38E-04	1.52E-02	9.16E-03	1.61E-01	1.80E-01	1.32E+01	1.52E-01	4.68E-02	1.36E+01	1.75E-01	1.67E-04	1.52E-02	9.16E-03	1.99E-01
3512	477363.09	3849877.25	1.29E-01	1.30E-04	1.78E-02	8.13E-03	1.55E-01	1.70E-01	1.25E+01	1.78E-01	4.15E-02	1.29E+01	1.65E-01	1.58E-04	1.78E-02	8.13E-03	1.92E-01
3513	477863.09	3849877.25	1.45E-01	1.65E-04	1.95E-02	6.63E-03	1.71E-01	1.91E-01	1.58E+01	1.95E-01	3.39E-02	1.62E+01	1.85E-01	2.00E-04	1.95E-02	6.63E-03	2.12E-01
3514	478363.09	3849877.25	2.06E-01	1.43E-04	1.97E-02	7.36E-03	2.33E-01	2.72E-01	1.37E+01	1.97E-01	3.76E-02	1.42E+01	2.64E-01	1.73E-04	1.97E-02	7.36E-03	2.91E-01
3515	478863.09	3849877.25	1.95E-01	1.03E-04	1.83E-02	1.17E-02	2.25E-01	2.57E-01	9.88E+00	1.83E-01	5.98E-02	1.04E+01	2.49E-01	1.25E-04	1.83E-02	1.17E-02	2.79E-01
3516	479363.09	3849877.25	2.28E-01	6.22E-05	1.53E-02	1.38E-02	2.57E-01	3.01E-01	5.97E+00	1.53E-01	7.07E-02	6.49E+00	2.92E-01	7.54E-05	1.53E-02	1.38E-02	3.22E-01
3517	479863.09	3849877.25	2.68E-01	7.44E-05	1.17E-02	1.25E-02	2.92E-01	3.54E-01	7.13E+00	1.17E-01	6.38E-02	7.67E+00	3.43E-01	9.01E-05	1.17E-02	1.25E-02	3.68E-01
3518	480363.09	3849877.25	1.94E-01	6.38E-05	1.45E-02	1.89E-02	2.28E-01	2.57E-01	6.11E+00	1.45E-01	9.66E-02	6.61E+00	2.49E-01	7.72E-05	1.45E-02	1.89E-02	2.83E-01
3519	480863.09	3849877.25	1.28E-01	6.20E-05	4.97E-02	9.85E-03	1.88E-01	1.69E-01	5.95E+00	4.97E-01	5.03E-02	6.66E+00	1.64E-01	7.51E-05	4.97E-02	9.85E-03	2.24E-01
3520	481363.09	3849877.25	1.36E-01	4.87E-05	6.07E-02	6.01E-03	2.02E-01	1.79E-01	4.67E+00	6.07E-01	3.07E-02	5.49E+00	1.74E-01	5.90E-05	6.07E-02	6.01E-03	2.41E-01
3521	481863.09	3849877.25	7.16E-02	2.00E-05	1.03E-02	5.89E-03	8.78E-02	9.46E-02	1.92E+00	1.03E-01	3.01E-02	2.14E+00	9.18E-02	2.42E-05	1.03E-02	5.89E-03	1.08E-01
3522	482363.09	3849877.25	3.58E-02	2.83E-05	1.06E-02	5.89E-03	5.23E-02	4.73E-02	2.72E+00	1.06E-01	3.01E-02	2.90E+00	4.59E-02	3.43E-05	1.06E-02	5.89E-03	6.24E-02
3523	482863.09	3849877.25	3.16E-02	3.57E-05	9.56E-03	5.47E-03	4.67E-02	4.18E-02	3.42E+00	9.56E-02	2.79E-02	3.59E+00	4.05E-02	4.32E-05	9.56E-03	5.47E-03	5.56E-02
3524	483363.09	3849877.25	3.81E-02	3.20E-05	1.15E-02	5.06E-03	5.47E-02	5.03E-02	3.07E+00	1.15E-01	2.59E-02	3.26E+00	4.89E-02	3.87E-05	1.15E-02	5.06E-03	6.54E-02
3525	483863.09	3849877.25	3.61E-02	2.45E-05	1.22E-02	4.87E-03	5.32E-02	4.77E-02	2.35E+00	1.22E-01	2.49E-02	2.54E+00	4.63E-02	2.97E-05	1.22E-02	4.87E-03	6.33E-02
3526	484363.09	3849877.25	5.44E-02	2.21E-05	1.64E-02	4.77E-03	7.56E-02	7.19E-02	2.12E+00	1.64E-01	2.44E-02	2.38E+00	6.98E-02	2.68E-05	1.64E-02	4.77E-03	9.09E-02
3527	484863.09	3849877.25	5.43E-02	1.97E-05	2.66E-02	4.51E-03	8.54E-02	7.17E-02	1.89E+00	2.66E-01	2.30E-02	2.25E+00	6.96E-02	2.39E-05	2.66E-02	4.51E-03	1.01E-01
3528	485363.09	3849877.25	5.31E-02	3.20E-05	2.68E-02	3.96E-03	8.39E-02	7.02E-02	3.07E+00	2.68E-01	2.02E-02	3.43E+00	6.81E-02	3.88E-05	2.68E-02	3.96E-03	9.89E-02
3529	485863.09	3849877.25	4.08E-02	3.29E-05	2.19E-02	4.34E-03	6.71E-02	5.39E-02	3.16E+00	2.19E-01	2.22E-02	3.45E+00	5.23E-02	3.99E-05	2.19E-02	4.34E-03	7.86E-02
3530	486363.09	3849877.25	3.23E-02	2.87E-05	1.70E-02	4.31E-03	5.37E-02	4.27E-02	2.75E+00	1.70E-01	2.20E-02	2.99E+00	4.15E-02	3.47E-05	1.70E-02	4.31E-03	6.29E-02
3531	486863.09	3849877.25	2.98E-02	3.85E-05	1.39E-02	4.74E-03	4.85E-02	3.94E-02	3.69E+00	1.39E-01	2.42E-02	3.89E+00	3.82E-02	4.66E-05	1.39E-02	4.74E-03	5.69E-02
3532	487363.09	3849877.25	2.33E-02	3.18E-05	1.58E-02	4.15E-03	4.32E-02	3.07E-02	3.05E+00	1.58E-01	2.12E-02	3.26E+00	2.98E-02	3.85E-05	1.58E-02	4.15E-03	4.98E-02
3533	487863.09	3849877.25	2.38E-02	2.02E-05	1.86E-02	4.56E-03	4.70E-02	3.15E-02	1.93E+00	1.86E-01	2.33E-02	2.17E+00	3.06E-02	2.44E-05	1.86E-02	4.56E-03	5.37E-02
3534	488363.09	3849877.25	2.43E-02	1.85E-05	2.71E-02	5.22E-03	5.66E-02	3.21E-02	1.78E+00	2.71E-01	2.67E-02	2.11E+00	3.11E-02	2.25E-05	2.71E-02	5.22E-03	6.35E-02

3535	488863.09	3849877.25	2.40E-02	2.12E-05	2.87E-02	5.50E-03	5.82E-02	3.17E-02	2.03E+00	2.87E-01	2.81E-02	2.38E+00	3.07E-02	2.57E-05	2.87E-02	5.50E-03	6.49E-02
3536	489363.09	3849877.25	3.36E-02	2.27E-05	2.01E-02	4.72E-03	5.85E-02	4.44E-02	2.18E+00	2.01E-01	2.41E-02	2.45E+00	4.31E-02	2.75E-05	2.01E-02	4.72E-03	6.80E-02
3537	489863.09	3849877.25	3.46E-02	2.11E-05	2.63E-02	3.71E-03	6.46E-02	4.56E-02	2.02E+00	2.63E-01	1.89E-02	2.35E+00	4.43E-02	2.55E-05	2.63E-02	3.71E-03	7.43E-02
3538	490363.09	3849877.25	3.42E-02	1.73E-05	2.91E-02	3.43E-03	6.68E-02	4.52E-02	1.66E+00	2.91E-01	1.75E-02	2.01E+00	4.39E-02	2.09E-05	2.91E-02	3.43E-03	7.64E-02
3539	490863.09	3849877.25	3.40E-02	1.37E-05	2.76E-02	3.41E-03	6.50E-02	4.49E-02	1.31E+00	2.76E-01	1.74E-02	1.65E+00	4.36E-02	1.66E-05	2.76E-02	3.41E-03	7.46E-02
3540	491363.09	3849877.25	3.37E-02	1.19E-05	2.37E-02	3.33E-03	6.08E-02	4.46E-02	1.14E+00	2.37E-01	1.70E-02	1.44E+00	4.33E-02	1.44E-05	2.37E-02	3.33E-03	7.03E-02
3541	491863.09	3849877.25	3.23E-02	9.94E-06	1.17E-02	3.32E-03	4.74E-02	4.27E-02	9.53E-01	1.17E-01	1.70E-02	1.13E+00	4.14E-02	1.20E-05	1.17E-02	3.32E-03	5.65E-02
3542	492363.09	3849877.25	2.43E-02	1.16E-05	1.54E-02	3.65E-03	4.34E-02	3.21E-02	1.12E+00	1.54E-01	1.86E-02	1.32E+00	3.11E-02	1.41E-05	1.54E-02	3.65E-03	5.02E-02
3543	492863.09	3849877.25	1.60E-02	1.51E-05	1.63E-02	3.74E-03	3.60E-02	2.11E-02	1.45E+00	1.63E-01	1.91E-02	1.65E+00	2.05E-02	1.83E-05	1.63E-02	3.74E-03	4.06E-02
3544	493363.09	3849877.25	1.60E-02	2.11E-05	1.40E-02	3.07E-03	3.30E-02	2.11E-02	2.02E+00	1.40E-01	1.57E-02	2.20E+00	2.05E-02	2.55E-05	1.40E-02	3.07E-03	3.75E-02
3545	493863.09	3849877.25	1.60E-02	2.30E-05	1.41E-02	2.49E-03	3.26E-02	2.12E-02	2.20E+00	1.41E-01	1.27E-02	2.38E+00	2.05E-02	2.78E-05	1.41E-02	2.49E-03	3.71E-02
3546	494363.09	3849877.25	1.62E-02	2.03E-05	2.14E-02	2.83E-03	4.04E-02	2.13E-02	1.94E+00	2.14E-01	1.44E-02	2.19E+00	2.07E-02	2.46E-05	2.14E-02	2.83E-03	4.49E-02
3547	494863.09	3849877.25	1.64E-02	1.98E-05	1.91E-02	2.58E-03	3.80E-02	2.16E-02	1.90E+00	1.91E-01	1.32E-02	2.13E+00	2.10E-02	2.40E-05	1.91E-02	2.58E-03	4.26E-02
3548	495363.09	3849877.25	1.65E-02	2.58E-05	1.38E-02	2.61E-03	3.29E-02	2.18E-02	2.48E+00	1.38E-01	1.33E-02	2.65E+00	2.11E-02	3.13E-05	1.38E-02	2.61E-03	3.75E-02
3549	495863.09	3849877.25	1.57E-02	2.92E-05	1.58E-02	2.98E-03	3.45E-02	2.08E-02	2.80E+00	1.58E-01	1.52E-02	3.00E+00	2.02E-02	3.54E-05	1.58E-02	2.98E-03	3.90E-02
3550	496363.09	3849877.25	2.14E-02	2.39E-05	1.42E-02	2.74E-03	3.83E-02	2.83E-02	2.29E+00	1.42E-01	1.40E-02	2.47E+00	2.75E-02	2.89E-05	1.42E-02	2.74E-03	4.44E-02
3551	496863.09	3849877.25	2.60E-02	1.49E-05	1.34E-02	2.55E-03	4.20E-02	3.44E-02	1.43E+00	1.34E-01	1.30E-02	1.61E+00	3.34E-02	1.81E-05	1.34E-02	2.55E-03	4.93E-02
3552	497363.09	3849877.25	2.79E-02	1.35E-05	1.63E-02	3.04E-03	4.72E-02	3.68E-02	1.29E+00	1.63E-01	1.55E-02	1.51E+00	3.57E-02	1.64E-05	1.63E-02	3.04E-03	5.51E-02
3553	497863.09	3849877.25	2.83E-02	1.54E-05	1.51E-02	2.76E-03	4.62E-02	3.74E-02	1.48E+00	1.51E-01	1.41E-02	1.68E+00	3.63E-02	1.87E-05	1.51E-02	2.76E-03	5.42E-02
3554	498363.09	3849877.25	2.84E-02	1.69E-05	1.64E-02	2.93E-03	4.78E-02	3.75E-02	1.62E+00	1.64E-01	1.50E-02	1.83E+00	3.64E-02	2.04E-05	1.64E-02	2.93E-03	5.58E-02
3555	471363.09	3850377.25	4.41E-02	4.08E-05	1.92E-02	5.12E-03	6.84E-02	5.83E-02	3.92E+00	1.92E-01	2.62E-02	4.19E+00	5.65E-02	4.95E-05	1.92E-02	5.12E-03	8.09E-02
3556	471863.09	3850377.25	7.74E-02	5.99E-05	2.00E-02	4.77E-03	1.02E-01	1.02E-01	5.74E+00	2.00E-01	2.44E-02	6.07E+00	9.93E-02	7.25E-05	2.00E-02	4.77E-03	1.24E-01
3557	472363.09	3850377.25	9.18E-02	6.53E-05	1.53E-02	4.38E-03	1.12E-01	1.21E-01	6.27E+00	1.53E-01	2.24E-02	6.56E+00	1.18E-01	7.92E-05	1.53E-02	4.38E-03	1.37E-01
3558	472863.09	3850377.25	9.55E-02	8.37E-05	1.08E-02	3.96E-03	1.10E-01	1.26E-01	8.03E+00	1.08E-01	2.02E-02	8.28E+00	1.22E-01	1.01E-04	1.08E-02	3.96E-03	1.37E-01
3559	473363.09	3850377.25	1.09E-01	9.79E-05	8.27E-03	4.11E-03	1.21E-01	1.44E-01	9.38E+00	8.27E-02	2.10E-02	9.63E+00	1.39E-01	1.19E-04	8.27E-03	4.11E-03	1.52E-01
3560	473863.09	3850377.25	1.02E-01	9.86E-05	8.21E-03	4.19E-03	1.14E-01	1.34E-01	9.46E+00	8.21E-02	2.14E-02	9.69E+00	1.30E-01	1.19E-04	8.21E-03	4.19E-03	1.43E-01
3561	474363.09	3850377.25	8.73E-02	1.07E-04	8.11E-03	3.99E-03	9.95E-02	1.15E-01	1.02E+01	8.11E-02	2.04E-02	1.05E+01	1.12E-01	1.29E-04	8.11E-03	3.99E-03	1.24E-01
3562	474863.09	3850377.25	1.16E-01	1.05E-04	1.06E-02	5.20E-03	1.32E-01	1.54E-01	1.01E+01	1.06E-01	2.66E-02	1.04E+01	1.49E-01	1.27E-04	1.06E-02	5.20E-03	1.65E-01
3563	475363.09	3850377.25	1.19E-01	1.06E-04	1.18E-02	6.60E-03	1.37E-01	1.57E-01	1.02E+01	1.18E-01	3.37E-02	1.05E+01	1.52E-01	1.29E-04	1.18E-02	6.60E-03	1.71E-01
3564	475863.09	3850377.25	1.27E-01	1.04E-04	1.09E-02	8.05E-03	1.46E-01	1.68E-01	1.00E+01	1.09E-01	4.11E-02	1.03E+01	1.63E-01	1.26E-04	1.09E-02	8.05E-03	1.82E-01
3565	476363.09	3850377.25	1.33E-01	1.02E-04	1.04E-02	9.28E-03	1.53E-01	1.76E-01	9.79E+00	1.04E-01	4.74E-02	1.01E+01	1.70E-01	1.24E-04	1.04E-02	9.28E-03	1.90E-01
3566	476863.09	3850377.25	1.46E-01	1.45E-04	1.18E-02	9.95E-03	1.68E-01	1.93E-01	1.39E+01	1.18E-01	5.08E-02	1.43E+01	1.88E-01	1.76E-04	1.18E-02	9.95E-03	2.10E-01
3567	477363.09	3850377.25	1.34E-01	1.55E-04	1.50E-02	9.80E-03	1.59E-01	1.77E-01	1.49E+01	1.50E-01	5.01E-02	1.53E+01	1.72E-01	1.88E-04	1.50E-02	9.80E-03	1.97E-01
3568	477863.09	3850377.25	1.31E-01	1.41E-04	1.80E-02	8.78E-03	1.58E-01	1.73E-01	1.35E+01	1.80E-01	4.49E-02	1.39E+01	1.67E-01	1.71E-04	1.80E-02	8.78E-03	1.94E-01
3569	478363.09	3850377.25	1.58E-01	1.81E-04	2.02E-02	7.16E-03	1.85E-01	2.08E-01	1.73E+01	2.02E-01	3.66E-02	1.78E+01	2.02E-01	2.19E-04	2.02E-02	7.16E-03	2.30E-01
3570	478863.09	3850377.25	1.94E-01	1.69E-04	2.09E-02	5.61E-03	2.21E-01	2.56E-01	1.62E+01	2.09E-01	2.87E-02	1.67E+01	2.49E-01	2.05E-04	2.09E-02	5.61E-03	2.75E-01
3571	479363.09	3850377.25	1.87E-01	1.17E-04	1.97E-02	8.45E-03	2.15E-01	2.47E-01	1.12E+01	1.97E-01	4.32E-02	1.17E+01	2.39E-01	1.42E-04	1.97E-02	8.45E-03	2.68E-01
3572	479863.09	3850377.25	2.44E-01	8.63E-05	1.67E-02	1.14E-02	2.72E-01	3.22E-01	8.27E+00	1.67E-01	5.83E-02	8.82E+00	3.13E-01	1.05E-04	1.67E-02	1.14E-02	3.41E-01
3573	480363.09	3850377.25	3.07E-01	7.46E-05	1.26E-02	1.31E-02	3.32E-01	4.05E-01	7.15E+00	1.26E-01	6.71E-02	7.75E+00	3.93E-01	9.03E-05	1.26E-02	1.31E-02	4.19E-01
3574	480863.09	3850377.25	2.31E-01	8.57E-05	1.45E-02	1.55E-02	2.61E-01	3.05E-01	8.22E+00	1.45E-01	7.91E-02	8.75E+00	2.96E-01	1.04E-04	1.45E-02	1.55E-02	3.26E-01
3575	481363.09	3850377.25	1.37E-01	5.98E-05	5.74E-02	6.59E-03	2.01E-01	1.81E-01	5.74E+00	5.74E-01	3.36E-02	6.53E+00	1.76E-01	7.25E-05	5.74E-02	6.59E-03	2.40E-01
3576	481863.09	3850377.25	1.37E-01	4.35E-05	7.78E-02	7.01E-03	2.22E-01	1.81E-01	4.17E+00	7.78E-01	3.58E-02	5.17E+00	1.76E-01	5.27E-05	7.78E-02	7.01E-03	2.61E-01
3577	482363.09	3850377.25	8.21E-02	2.58E-05	2.47E-02	9.42E-03	1.16E-01	1.08E-01	2.48E+00	2.47E-01	4.81E-02	2.88E+00	1.05E-01	3.13E-05	2.47E-02	9.42E-03	1.39E-01
3578	482863.09	3850377.25	4.03E-02	3.55E-05	1.09E-02	5.78E-03	5.70E-02	5.32E-02	3.40E+00	1.09E-01	2.95E-02	3.60E+00	5.16E-02	4.30E-05	1.09E-02	5.78E-03	6.83E-02
3579	483363.09	3850377.25	3.60E-02	3.28E-05	1.10E-02	5.23E-03	5.22E-02	4.76E-02	3.14E+00	1.10E-01	2.67E-02	3.33E+00	4.62E-02	3.97E-05	1.10E-02	5.23E-03	6.24E-02
3580	483863.09	3850377.25	5.64E-02	2.54E-05	1.26E-02	4.99E-03	7.40E-02	7.45E-02	2.43E+00	1.26E-01	2.55E-02	2.66E+00	7.23E-02	3.07E-05	1.26E-02	4.99E-03	8.99E-02
3581	484363.09	3850377.25	5.74E-02	2.25E-05	1.51E-02	4.94E-03	7.74E-02	7.58E-02	2.16E+00	1.51E-01	2.52E-02	2.41E+00	7.35E-02	2.73E-05	1.51E-02	4.94E-03	9.36E-02
3582	484863.09	3850377.25	5.47E-02	2.10E-05	2.50E-02	4.79E-03	8.45E-02	7.23E-02	2.02E+00	2.50E-01	2.44E-02	2.36E+00	7.01E-02	2.55E-05	2.50E-02	4.79E-03	9.99E-02
3583	485363.09	3850377.25	5.35E-02	3.10E-05	3.10E-02	4.43E-03	8.89E-02	7.06E-02	2.98E+00	3.10E-01	2.26E-02	3.38E+00	6.86E-02	3.76E-05	3.10E-02	4.43E-03	1.04E-01
3584	485863.09	3850377.25	4.48E-02	3.40E-05	2.91E-02	5.38E-03	7.93E-02	5.91E-02	3.26E+00	2.91E-01	2.75E-02	3.64E+00	5.74E-02	4.12E-05	2.91E-02	5.38E-03	9.20E-02
3585	486363.09	3850377.25	3.90E-02	2.81E-05	3.21E-02	4.94E-03	7.61E-02	5.15E-02	2.70E+00	3.21E-01	2.53E-02	3.10E+00	5.00E-02	3.41E-05	3.21E-02	4.94E-03	8.71E-02
3586	486863.09	3850377.25	3.49E-02	3.77E-05	2.80E-02	4.70E-03	6.76E-02	4.60E-02	3.62E+00	2.80E-01	2.40E-02	3.97E+00	4.47E-02	4.57E-05	2.80E-02	4.70E-03	7.74E-02
3587	487363.09	3850377.25	2.57E-02	3.43E-05	1.63E-02	4.59E-03	4.66E-02	3.39E-02	3.29E+00	1.63E-01	2.34E-02	3.51E+00	3.29E-02	4.16E-05	1.63E-02	4.59E-03	5.38E-02
3588	487863.09	3850377.25	2.45E-02	2.11E-05	1.95E-02	4.59E-03	4.85E-02	3.23E-02	2.02E+00	1.95E-01	2.35E-02	2.28E+00	3.14E-02	2.56E-05	1.95E-02	4.59E-03	5.54E-02
3589	488363.09	3850377.25	2.46E-02	2.05E-05	2.80E-02	5.25E-03	5.79E-02	3.26E-02	1.97E+00	2.80E-01	2.68E-02	2.31E+00	3.16E-02	2.49E-05	2.80E-02	5.25E-03	6.49E-02
3590	488863.09	3850377.25	3.34E-02	2.28E-05	2.85E-02	5.56E-03	6.75E-02	4.41E-02	2.19E+00	2.85E-01	2.84E-02	2.54E+00	4.28E-02	2.76E-05	2.85E-02	5.56E-03	7.69E-02
3591	489363.09	3850377.25	3.48E-02	2.19E-05	2.28E-02	4.73E-03	6.24E-02	4.60E-02	2.10E+00	2.28E-01	2.42E-02	2.40E+00	4.47E-02	2.65E-05	2.28E-02	4.73E-03	7.23E-02
3592	489863.09	3850377.25	3.44E-02	1.83E-05	2.63E-02	4.04E-03	6.48E-02	4.55E-02	1.76E+00	2.63E-01	2.06E-02	2.08E+00	4.41E-02	2.22E-05	2.63E-02	4.04E-03	7.45E-02
3593	490363.09	3850377.25	3.41E-02	1.46E-05	3.19E-02	3.83E-03	6.98E-02	4.50E-02	1.40E+00	3.19E-01	1.96E-02	1.78E+00	4.37E-02	1.76E-05	3.19E-02	3.83E-03	7.94E-02
3594	490863.09	3850377.25	3.38E-02	1.37E-05	2.53E-02	4.28E-03	6.34E-02	4.47E-02	1.31E+00	2.53E-01	2.19E-02	1.63E+00	4.34E-02	1.66E-05	2.53E-02	4.28E-03	7.30E-02
3595	491363.09	3850377.25	3.31E-02	1.12E-05	2.39E-02	3.49E-03	6.05E-02	4.38E-02	1.07E+00	2.39E-01	1.78E-02	1.37E+00	4.25E-02	1.36E-05	2.39E-02	3.49E-03	6.99E-02

3596	491863.09	3850377.25	2.73E-02	1.22E-05	1.59E-02	3.81E-03	4.70E-02	3.60E-02	1.17E+00	1.59E-01	1.95E-02	1.39E+00	3.50E-02	1.48E-05	1.59E-02	3.81E-03	5.47E-02
3597	492363.09	3850377.25	1.63E-02	1.38E-05	1.72E-02	3.86E-03	3.74E-02	2.15E-02	1.32E+00	1.72E-01	1.97E-02	1.53E+00	2.09E-02	1.67E-05	1.72E-02	3.86E-03	4.20E-02
3598	492863.09	3850377.25	1.62E-02	2.02E-05	1.60E-02	3.63E-03	3.59E-02	2.14E-02	1.94E+00	1.60E-01	1.86E-02	2.14E+00	2.08E-02	2.45E-05	1.60E-02	3.63E-03	4.04E-02
3599	493363.09	3850377.25	1.63E-02	2.33E-05	1.73E-02	3.25E-03	3.69E-02	2.15E-02	2.24E+00	1.73E-01	1.66E-02	2.45E+00	2.09E-02	2.83E-05	1.73E-02	3.25E-03	4.15E-02
3600	493863.09	3850377.25	1.65E-02	2.11E-05	2.21E-02	2.80E-03	4.13E-02	2.17E-02	2.02E+00	2.21E-01	1.43E-02	2.28E+00	2.11E-02	2.55E-05	2.21E-02	2.80E-03	4.60E-02
3601	494363.09	3850377.25	1.67E-02	1.89E-05	2.08E-02	2.54E-03	4.01E-02	2.21E-02	1.82E+00	2.08E-01	1.30E-02	2.06E+00	2.14E-02	2.29E-05	2.08E-02	2.54E-03	4.48E-02
3602	494863.09	3850377.25	1.68E-02	2.43E-05	1.58E-02	2.89E-03	3.55E-02	2.22E-02	2.33E+00	1.58E-01	1.48E-02	2.52E+00	2.16E-02	2.94E-05	1.58E-02	2.89E-03	4.03E-02
3603	495363.09	3850377.25	2.27E-02	2.97E-05	1.58E-02	3.30E-03	4.19E-02	3.00E-02	2.85E+00	1.58E-01	1.69E-02	3.05E+00	2.92E-02	3.60E-05	1.58E-02	3.30E-03	4.83E-02
3604	495863.09	3850377.25	2.68E-02	2.59E-05	1.48E-02	3.36E-03	4.50E-02	3.54E-02	2.48E+00	1.48E-01	1.72E-02	2.68E+00	3.43E-02	3.13E-05	1.48E-02	3.36E-03	5.26E-02
3605	496363.09	3850377.25	2.81E-02	1.68E-05	1.56E-02	3.21E-03	4.70E-02	3.72E-02	1.61E+00	1.56E-01	1.64E-02	1.82E+00	3.61E-02	2.04E-05	1.56E-02	3.21E-03	5.49E-02
3606	496863.09	3850377.25	2.84E-02	1.58E-05	1.71E-02	2.89E-03	4.84E-02	3.75E-02	1.51E+00	1.71E-01	1.48E-02	1.74E+00	3.64E-02	1.91E-05	1.71E-02	2.89E-03	5.64E-02
3607	497363.09	3850377.25	2.84E-02	1.71E-05	1.59E-02	2.95E-03	4.73E-02	3.75E-02	1.64E+00	1.59E-01	1.50E-02	1.85E+00	3.64E-02	2.07E-05	1.59E-02	2.95E-03	5.53E-02
3608	497863.09	3850377.25	2.84E-02	1.76E-05	1.74E-02	3.10E-03	4.89E-02	3.75E-02	1.69E+00	1.74E-01	1.58E-02	1.92E+00	3.64E-02	2.14E-05	1.74E-02	3.10E-03	5.69E-02
3609	498363.09	3850377.25	2.83E-02	1.71E-05	1.74E-02	3.40E-03	4.91E-02	3.74E-02	1.64E+00	1.74E-01	1.74E-02	1.87E+00	3.63E-02	2.08E-05	1.74E-02	3.40E-03	5.71E-02
3610	471363.09	3850877.25	5.10E-02	3.25E-05	1.98E-02	6.16E-03	7.70E-02	6.74E-02	3.11E+00	1.98E-01	3.15E-02	3.41E+00	6.54E-02	3.93E-05	1.98E-02	6.16E-03	9.14E-02
3611	471863.09	3850877.25	6.04E-02	4.44E-05	2.50E-02	5.86E-03	9.13E-02	7.98E-02	4.26E+00	2.50E-01	2.99E-02	4.62E+00	7.75E-02	5.38E-05	2.50E-02	5.86E-03	1.08E-01
3612	472363.09	3850877.25	6.45E-02	6.24E-05	2.70E-02	5.51E-03	9.71E-02	8.52E-02	5.99E+00	2.70E-01	2.81E-02	6.37E+00	8.27E-02	7.56E-05	2.70E-02	5.51E-03	1.15E-01
3613	472863.09	3850877.25	8.66E-02	7.74E-05	2.43E-02	5.11E-03	1.16E-01	1.14E-01	7.42E+00	2.43E-01	2.61E-02	7.80E+00	1.11E-01	9.37E-05	2.43E-02	5.11E-03	1.41E-01
3614	473363.09	3850877.25	9.99E-02	7.16E-05	1.75E-02	4.66E-03	1.22E-01	1.32E-01	6.87E+00	1.75E-01	2.38E-02	7.20E+00	1.28E-01	8.67E-05	1.75E-02	4.66E-03	1.50E-01
3615	473863.09	3850877.25	1.03E-01	9.05E-05	1.16E-02	4.18E-03	1.18E-01	1.35E-01	8.68E+00	1.16E-01	2.14E-02	8.95E+00	1.31E-01	1.10E-04	1.16E-02	4.18E-03	1.47E-01
3616	474363.09	3850877.25	1.18E-01	1.13E-04	8.72E-03	4.18E-03	1.31E-01	1.56E-01	1.08E+01	8.72E-02	2.13E-02	1.11E+01	1.51E-01	1.37E-04	8.72E-03	4.18E-03	1.64E-01
3617	474863.09	3850877.25	1.12E-01	1.09E-04	8.64E-03	4.11E-03	1.25E-01	1.49E-01	1.05E+01	8.64E-02	2.10E-02	1.07E+01	1.44E-01	1.32E-04	8.64E-03	4.11E-03	1.57E-01
3618	475363.09	3850877.25	9.72E-02	1.21E-04	9.09E-03	4.93E-03	1.11E-01	1.28E-01	1.16E+01	9.09E-02	2.52E-02	1.18E+01	1.25E-01	1.47E-04	9.09E-03	4.93E-03	1.39E-01
3619	475863.09	3850877.25	1.24E-01	1.13E-04	1.15E-02	6.40E-03	1.42E-01	1.64E-01	1.08E+01	1.15E-01	3.27E-02	1.11E+01	1.59E-01	1.37E-04	1.15E-02	6.40E-03	1.77E-01
3620	476363.09	3850877.25	1.25E-01	1.09E-04	1.21E-02	8.01E-03	1.45E-01	1.65E-01	1.04E+01	1.21E-01	4.09E-02	1.07E+01	1.60E-01	1.32E-04	1.21E-02	8.01E-03	1.80E-01
3621	476863.09	3850877.25	1.27E-01	1.15E-04	1.06E-02	9.48E-03	1.47E-01	1.67E-01	1.10E+01	1.06E-01	4.84E-02	1.14E+01	1.62E-01	1.40E-04	1.06E-02	9.48E-03	1.83E-01
3622	477363.09	3850877.25	1.41E-01	1.57E-04	1.11E-02	1.04E-02	1.63E-01	1.87E-01	1.50E+01	1.11E-01	5.33E-02	1.54E+01	1.81E-01	1.90E-04	1.11E-02	1.04E-02	2.03E-01
3623	477863.09	3850877.25	1.59E-01	1.73E-04	1.46E-02	1.05E-02	1.84E-01	2.10E-01	1.66E+01	1.46E-01	5.37E-02	1.70E+01	2.03E-01	2.10E-04	1.46E-02	1.05E-02	2.29E-01
3624	478363.09	3850877.25	1.56E-01	1.60E-04	1.81E-02	9.52E-03	1.84E-01	2.07E-01	1.53E+01	1.81E-01	4.86E-02	1.57E+01	2.00E-01	1.93E-04	1.81E-02	9.52E-03	2.28E-01
3625	478863.09	3850877.25	1.57E-01	2.27E-04	2.09E-02	7.76E-03	1.86E-01	2.07E-01	2.18E+01	2.09E-01	3.96E-02	2.22E+01	2.01E-01	2.75E-04	2.09E-02	7.76E-03	2.30E-01
3626	479363.09	3850877.25	1.85E-01	1.89E-04	2.21E-02	5.78E-03	2.13E-01	2.45E-01	1.81E+01	2.21E-01	2.95E-02	1.86E+01	2.38E-01	2.29E-04	2.21E-02	5.78E-03	2.66E-01
3627	479863.09	3850877.25	1.98E-01	1.21E-04	2.12E-02	8.02E-03	2.28E-01	2.62E-01	1.16E+01	2.12E-01	4.10E-02	1.21E+01	2.54E-01	1.47E-04	2.12E-02	8.02E-03	2.83E-01
3628	480363.09	3850877.25	2.32E-01	1.20E-04	1.82E-02	7.20E-03	2.58E-01	3.07E-01	1.16E+01	1.82E-01	3.68E-02	1.21E+01	2.98E-01	1.46E-04	1.82E-02	7.20E-03	3.23E-01
3629	480863.09	3850877.25	3.54E-01	1.03E-04	1.38E-02	8.41E-03	3.77E-01	4.68E-01	9.90E+00	1.38E-01	4.30E-02	1.05E+01	4.54E-01	1.25E-04	1.38E-02	8.41E-03	4.77E-01
3630	481363.09	3850877.25	2.40E-01	9.60E-05	1.38E-02	9.86E-03	2.64E-01	3.17E-01	9.20E+00	1.38E-01	5.04E-02	9.71E+00	3.08E-01	1.16E-04	1.38E-02	9.86E-03	3.31E-01
3631	481863.09	3850877.25	2.27E-01	5.66E-05	5.73E-02	7.07E-03	2.92E-01	3.00E-01	5.43E+00	5.73E-01	3.61E-02	6.34E+00	2.92E-01	6.86E-05	5.73E-02	7.07E-03	3.56E-01
3632	482363.09	3850877.25	1.52E-01	3.80E-05	6.68E-02	7.75E-03	2.27E-01	2.01E-01	3.64E+00	6.68E-01	3.96E-02	4.55E+00	1.95E-01	4.60E-05	6.68E-02	7.75E-03	2.70E-01
3633	482863.09	3850877.25	8.62E-02	3.53E-05	1.86E-02	1.30E-02	1.18E-01	1.14E-01	3.38E+00	1.86E-01	6.64E-02	3.75E+00	1.11E-01	4.28E-05	1.86E-02	1.30E-02	1.42E-01
3634	483363.09	3850877.25	6.29E-02	3.33E-05	2.35E-02	5.46E-03	9.19E-02	8.31E-02	3.19E+00	2.35E-01	2.79E-02	3.54E+00	8.07E-02	4.03E-05	2.35E-02	5.46E-03	1.10E-01
3635	483863.09	3850877.25	7.93E-02	2.62E-05	3.47E-02	5.09E-03	1.19E-01	1.05E-01	2.51E+00	3.47E-01	2.60E-02	2.99E+00	1.02E-01	3.17E-05	3.47E-02	5.09E-03	1.42E-01
3636	484363.09	3850877.25	6.85E-02	3.39E-05	3.92E-02	5.17E-03	1.13E-01	9.04E-02	3.25E+00	3.92E-01	2.64E-02	3.76E+00	8.78E-02	4.11E-05	3.92E-02	5.17E-03	1.32E-01
3637	484863.09	3850877.25	5.55E-02	3.25E-05	2.27E-02	5.95E-03	8.42E-02	7.33E-02	3.12E+00	2.27E-01	3.04E-02	3.45E+00	7.12E-02	3.94E-05	2.27E-02	5.95E-03	9.99E-02
3638	485363.09	3850877.25	5.39E-02	2.98E-05	3.12E-02	5.56E-03	9.07E-02	7.12E-02	2.86E+00	3.12E-01	2.84E-02	3.27E+00	6.91E-02	3.61E-05	3.12E-02	5.56E-03	1.06E-01
3639	485863.09	3850877.25	4.81E-02	3.51E-05	3.87E-02	5.61E-03	9.24E-02	6.35E-02	3.37E+00	3.87E-01	2.86E-02	3.85E+00	6.16E-02	4.25E-05	3.87E-02	5.61E-03	1.06E-01
3640	486363.09	3850877.25	4.34E-02	2.80E-05	3.86E-02	4.86E-03	8.69E-02	5.74E-02	2.69E+00	3.86E-01	2.48E-02	3.16E+00	5.57E-02	3.40E-05	3.86E-02	4.86E-03	9.92E-02
3641	486863.09	3850877.25	3.68E-02	3.66E-05	4.44E-02	4.71E-03	8.59E-02	4.86E-02	3.51E+00	4.44E-01	2.41E-02	4.02E+00	4.72E-02	4.43E-05	4.44E-02	4.71E-03	9.63E-02
3642	487363.09	3850877.25	3.05E-02	3.66E-05	1.68E-02	4.85E-03	5.22E-02	4.03E-02	3.51E+00	1.68E-01	2.48E-02	3.75E+00	3.91E-02	4.44E-05	1.68E-02	4.85E-03	6.08E-02
3643	487863.09	3850877.25	2.52E-02	2.20E-05	2.04E-02	4.61E-03	5.03E-02	3.33E-02	2.11E+00	2.04E-01	2.35E-02	2.37E+00	3.23E-02	2.67E-05	2.04E-02	4.61E-03	5.74E-02
3644	488363.09	3850877.25	3.29E-02	2.28E-05	2.89E-02	5.24E-03	6.71E-02	4.34E-02	2.19E+00	2.89E-01	2.68E-02	2.55E+00	4.21E-02	2.76E-05	2.89E-02	5.24E-03	7.63E-02
3645	488863.09	3850877.25	3.52E-02	2.25E-05	2.81E-02	5.63E-03	6.89E-02	4.65E-02	2.16E+00	2.81E-01	2.88E-02	2.52E+00	4.52E-02	2.73E-05	2.81E-02	5.63E-03	7.89E-02
3646	489363.09	3850877.25	3.47E-02	1.93E-05	2.55E-02	4.80E-03	6.50E-02	4.58E-02	1.85E+00	2.55E-01	2.45E-02	2.18E+00	4.45E-02	2.34E-05	2.55E-02	4.80E-03	7.48E-02
3647	489863.09	3850877.25	3.42E-02	1.54E-05	2.75E-02	4.42E-03	6.61E-02	4.52E-02	1.48E+00	2.75E-01	2.26E-02	1.82E+00	4.39E-02	1.87E-05	2.75E-02	4.42E-03	7.58E-02
3648	490363.09	3850877.25	3.39E-02	1.23E-05	3.32E-02	4.20E-03	7.14E-02	4.48E-02	1.18E+00	3.32E-01	2.15E-02	1.58E+00	4.35E-02	1.49E-05	3.32E-02	4.20E-03	8.10E-02
3649	490863.09	3850877.25	3.36E-02	1.45E-05	2.58E-02	4.53E-03	6.39E-02	4.43E-02	1.39E+00	2.58E-01	2.31E-02	1.71E+00	4.30E-02	1.75E-05	2.58E-02	4.53E-03	7.34E-02
3650	491363.09	3850877.25	2.99E-02	1.27E-05	2.21E-02	4.00E-03	5.59E-02	3.94E-02	1.22E+00	2.21E-01	2.04E-02	1.50E+00	3.83E-02	1.54E-05	2.21E-02	4.00E-03	6.44E-02
3651	491863.09	3850877.25	1.73E-02	1.35E-05	1.74E-02	3.92E-03	3.87E-02	2.29E-02	1.29E+00	1.74E-01	2.00E-02	1.51E+00	2.22E-02	1.63E-05	1.74E-02	3.92E-03	4.36E-02
3652	492363.09	3850877.25	1.65E-02	1.91E-05	1.79E-02	3.63E-03	3.81E-02	2.18E-02	1.83E+00	1.79E-01	1.86E-02	2.05E+00	2.12E-02	2.32E-05	1.79E-02	3.63E-03	4.27E-02
3653	492863.09	3850877.25	1.66E-02	2.34E-05	1.56E-02	3.19E-03	3.54E-02	2.20E-02	2.25E+00	1.56E-01	1.63E-02	2.44E+00	2.13E-02	2.84E-05	1.56E-02	3.19E-03	4.01E-02
3654	493363.09	3850877.25	1.69E-02	2.21E-05	2.21E-02	2.73E-03	4.17E-02	2.23E-02	2.12E+00	2.21E-01	1.40E-02	2.38E+00	2.16E-02	2.68E-05	2.21E-02	2.73E-03	4.65E-02
3655	493863.09	3850877.25	1.74E-02	1.85E-05	2.22E-02	3.14E-03	4.28E-02	2.30E-02	1.78E+00	2.22E-01	1.60E-02	2.04E+00	2.23E-02	2.24E-05	2.22E-02	3.14E-03	4.77E-02
3656	494363.09	3850877.25	2.41E-02	2.24E-05	1.69E-02	3.47E-03	4.45E-02	3.18E-02	2.15E+00	1.69E-01	1.77E-02	2.37E+00	3.09E-02	2.72E-05	1.69E-02	3.47E-03	5.13E-02

3657	494863.09	3850877.25	2.74E-02	2.96E-05	1.63E-02	3.55E-03	4.73E-02	3.62E-02	2.84E+00	1.63E-01	1.82E-02	3.06E+00	3.52E-02	3.59E-05	1.63E-02	3.55E-03	5.51E-02
3658	495363.09	3850877.25	2.83E-02	2.78E-05	2.02E-02	3.39E-03	5.19E-02	3.74E-02	2.66E+00	2.02E-01	1.73E-02	2.92E+00	3.63E-02	3.36E-05	2.02E-02	3.39E-03	5.99E-02
3659	495863.09	3850877.25	2.84E-02	1.88E-05	1.68E-02	3.05E-03	4.83E-02	3.76E-02	1.81E+00	1.68E-01	1.56E-02	2.03E+00	3.65E-02	2.28E-05	1.68E-02	3.05E-03	5.63E-02
3660	496363.09	3850877.25	2.84E-02	1.74E-05	1.79E-02	3.26E-03	4.96E-02	3.75E-02	1.67E+00	1.79E-01	1.66E-02	1.90E+00	3.64E-02	2.10E-05	1.79E-02	3.26E-03	5.76E-02
3661	496863.09	3850877.25	2.84E-02	1.78E-05	1.72E-02	3.42E-03	4.90E-02	3.75E-02	1.70E+00	1.72E-01	1.75E-02	1.93E+00	3.64E-02	2.15E-05	1.72E-02	3.42E-03	5.70E-02
3662	497363.09	3850877.25	2.83E-02	1.71E-05	1.83E-02	3.26E-03	5.00E-02	3.74E-02	1.64E+00	1.83E-01	1.67E-02	1.88E+00	3.63E-02	2.07E-05	1.83E-02	3.26E-03	5.79E-02
3663	497863.09	3850877.25	2.83E-02	1.55E-05	1.78E-02	3.56E-03	4.96E-02	3.74E-02	1.49E+00	1.78E-01	1.82E-02	1.72E+00	3.63E-02	1.88E-05	1.78E-02	3.56E-03	5.76E-02
3664	498363.09	3850877.25	2.82E-02	1.34E-05	1.65E-02	3.80E-03	4.85E-02	3.72E-02	1.29E+00	1.65E-01	1.94E-02	1.51E+00	3.62E-02	1.63E-05	1.65E-02	3.80E-03	5.64E-02
3665	471363.09	3851377.25	6.60E-02	2.53E-05	2.60E-02	6.95E-03	9.90E-02	8.72E-02	2.42E+00	2.60E-01	3.55E-02	2.81E+00	8.46E-02	3.06E-05	2.60E-02	6.95E-03	1.18E-01
3666	471863.09	3851377.25	7.61E-02	3.77E-05	2.53E-02	6.85E-03	1.08E-01	1.01E-01	3.61E+00	2.53E-01	3.50E-02	4.00E+00	9.76E-02	4.56E-05	2.53E-02	6.85E-03	1.30E-01
3667	472363.09	3851377.25	6.88E-02	4.28E-05	2.27E-02	6.62E-03	9.81E-02	9.09E-02	4.11E+00	2.27E-01	3.38E-02	4.46E+00	8.82E-02	5.19E-05	2.27E-02	6.62E-03	1.18E-01
3668	472863.09	3851377.25	7.11E-02	5.37E-05	2.77E-02	6.30E-03	1.05E-01	9.39E-02	5.15E+00	2.77E-01	3.22E-02	5.55E+00	9.11E-02	6.50E-05	2.77E-02	6.30E-03	1.25E-01
3669	473363.09	3851377.25	6.61E-02	5.94E-05	2.75E-02	5.90E-03	9.96E-02	8.73E-02	5.70E+00	2.75E-01	3.01E-02	6.09E+00	8.48E-02	7.19E-05	2.75E-02	5.90E-03	1.18E-01
3670	473863.09	3851377.25	7.53E-02	6.77E-05	2.49E-02	5.46E-03	1.06E-01	9.95E-02	6.49E+00	2.49E-01	2.79E-02	6.87E+00	9.66E-02	8.20E-05	2.49E-02	5.46E-03	1.27E-01
3671	474363.09	3851377.25	1.06E-01	7.80E-05	1.99E-02	4.98E-03	1.31E-01	1.40E-01	7.48E+00	1.99E-01	2.54E-02	7.84E+00	1.36E-01	9.45E-05	1.99E-02	4.98E-03	1.61E-01
3672	474863.09	3851377.25	1.16E-01	1.05E-04	1.32E-02	4.44E-03	1.34E-01	1.54E-01	1.01E+01	1.32E-01	2.27E-02	1.04E+01	1.49E-01	1.28E-04	1.32E-02	4.44E-03	1.67E-01
3673	475363.09	3851377.25	1.32E-01	1.19E-04	9.23E-03	4.15E-03	1.45E-01	1.74E-01	1.14E+01	9.23E-02	2.12E-02	1.17E+01	1.69E-01	1.45E-04	9.23E-03	4.15E-03	1.83E-01
3674	475863.09	3851377.25	1.29E-01	1.18E-04	9.12E-03	4.61E-03	1.43E-01	1.70E-01	1.14E+01	9.12E-02	2.36E-02	1.16E+01	1.65E-01	1.43E-04	9.12E-03	4.61E-03	1.79E-01
3675	476363.09	3851377.25	1.11E-01	1.24E-04	1.01E-02	6.13E-03	1.27E-01	1.46E-01	1.19E+01	1.01E-01	3.13E-02	1.22E+01	1.42E-01	1.50E-04	1.01E-02	6.13E-03	1.58E-01
3676	476863.09	3851377.25	1.49E-01	1.08E-04	1.21E-02	7.88E-03	1.69E-01	1.97E-01	1.04E+01	1.21E-01	4.02E-02	1.08E+01	1.91E-01	1.31E-04	1.21E-02	7.88E-03	2.11E-01
3677	477363.09	3851377.25	1.41E-01	1.25E-04	1.20E-02	9.63E-03	1.63E-01	1.87E-01	1.20E+01	1.20E-01	4.92E-02	1.23E+01	1.81E-01	1.51E-04	1.20E-02	9.63E-03	2.03E-01
3678	477863.09	3851377.25	1.49E-01	1.61E-04	1.14E-02	1.09E-02	1.71E-01	1.97E-01	1.54E+01	1.14E-01	5.58E-02	1.58E+01	1.91E-01	1.95E-04	1.14E-02	1.09E-02	2.13E-01
3679	478363.09	3851377.25	1.69E-01	1.89E-04	1.40E-02	1.13E-02	1.94E-01	2.23E-01	1.82E+01	1.40E-01	5.75E-02	1.86E+01	2.16E-01	2.29E-04	1.40E-02	1.13E-02	2.42E-01
3680	478863.09	3851377.25	1.75E-01	1.75E-04	1.80E-02	1.04E-02	2.04E-01	2.32E-01	1.68E+01	1.80E-01	5.30E-02	1.73E+01	2.25E-01	2.12E-04	1.80E-02	1.04E-02	2.53E-01
3681	479363.09	3851377.25	1.76E-01	2.49E-04	2.14E-02	8.45E-03	2.06E-01	2.32E-01	2.39E+01	2.14E-01	4.32E-02	2.43E+01	2.25E-01	3.01E-04	2.14E-02	8.45E-03	2.55E-01
3682	479863.09	3851377.25	1.91E-01	2.03E-04	2.33E-02	6.21E-03	2.20E-01	2.52E-01	1.95E+01	2.33E-01	3.17E-02	2.00E+01	2.44E-01	2.46E-04	2.33E-02	6.21E-03	2.74E-01
3683	480363.09	3851377.25	2.29E-01	1.35E-04	2.28E-02	4.92E-03	2.57E-01	3.03E-01	1.29E+01	2.28E-01	2.51E-02	1.35E+01	2.94E-01	1.63E-04	2.28E-02	4.92E-03	3.22E-01
3684	480863.09	3851377.25	2.66E-01	1.29E-04	1.98E-02	5.50E-03	2.91E-01	3.51E-01	1.24E+01	1.98E-01	2.81E-02	1.29E+01	3.41E-01	1.56E-04	1.98E-02	5.50E-03	3.66E-01
3685	481363.09	3851377.25	3.85E-01	1.24E-04	1.51E-02	6.21E-03	4.06E-01	5.09E-01	1.19E+01	1.51E-01	3.17E-02	1.26E+01	4.94E-01	1.50E-04	1.51E-02	6.21E-03	5.15E-01
3686	481863.09	3851377.25	2.50E-01	9.58E-05	1.48E-02	6.91E-03	2.72E-01	3.30E-01	9.19E+00	1.48E-01	3.53E-02	9.70E+00	3.21E-01	1.16E-04	1.48E-02	6.91E-03	3.42E-01
3687	482363.09	3851377.25	2.74E-01	5.46E-05	5.62E-02	7.99E-03	3.39E-01	3.62E-01	5.24E+00	5.62E-01	4.08E-02	6.20E+00	3.52E-01	6.62E-05	5.62E-02	7.99E-03	4.16E-01
3688	482863.09	3851377.25	1.64E-01	3.52E-05	6.19E-02	1.35E-02	2.39E-01	2.17E-01	3.38E+00	6.19E-01	6.88E-02	4.28E+00	2.10E-01	4.26E-05	6.19E-02	1.35E-02	2.86E-01
3689	483363.09	3851377.25	7.61E-02	3.35E-05	1.19E-02	6.69E-03	9.47E-02	1.01E-01	3.22E+00	1.19E-01	3.42E-02	3.47E+00	9.76E-02	4.06E-05	1.19E-02	6.69E-03	1.16E-01
3690	483863.09	3851377.25	7.94E-02	2.69E-05	3.93E-02	5.18E-03	1.24E-01	1.05E-01	2.58E+00	3.93E-01	2.65E-02	3.11E+00	1.02E-01	3.26E-05	3.93E-02	5.18E-03	1.46E-01
3691	484363.09	3851377.25	9.98E-02	4.56E-05	1.09E-01	5.66E-03	2.15E-01	1.32E-01	4.37E+00	1.09E+00	2.89E-02	5.63E+00	1.28E-01	5.53E-05	1.09E-01	5.66E-03	2.43E-01
3692	484863.09	3851377.25	5.69E-02	2.23E-05	1.86E-02	5.23E-03	8.07E-02	7.51E-02	2.14E+00	1.86E-01	2.67E-02	2.43E+00	7.29E-02	2.70E-05	1.86E-02	5.23E-03	9.68E-02
3693	485363.09	3851377.25	1.03E-01	3.12E-05	3.01E-02	6.07E-03	1.40E-01	1.37E-01	2.99E+00	3.01E-01	3.10E-02	3.46E+00	1.33E-01	3.78E-05	3.01E-02	6.07E-03	1.69E-01
3694	485863.09	3851377.25	5.05E-02	3.63E-05	3.89E-02	5.69E-03	9.51E-02	6.67E-02	3.48E+00	3.89E-01	2.91E-02	3.97E+00	6.47E-02	4.40E-05	3.89E-02	5.69E-03	1.09E-01
3695	486363.09	3851377.25	5.02E-02	2.84E-05	3.84E-02	8.76E-03	9.73E-02	6.63E-02	2.72E+00	3.84E-01	4.47E-02	3.22E+00	6.43E-02	3.44E-05	3.84E-02	8.76E-03	1.12E-01
3696	486863.09	3851377.25	4.33E-02	3.50E-05	6.77E-02	5.41E-03	1.16E-01	5.72E-02	3.36E+00	6.77E-01	2.76E-02	4.12E+00	5.55E-02	4.24E-05	6.77E-02	5.41E-03	1.29E-01
3697	487363.09	3851377.25	3.15E-02	3.86E-05	1.73E-02	4.77E-03	5.37E-02	4.16E-02	3.70E+00	1.73E-01	2.44E-02	3.94E+00	4.04E-02	4.68E-05	1.73E-02	4.77E-03	6.25E-02
3698	487863.09	3851377.25	3.18E-02	2.37E-05	2.15E-02	4.54E-03	5.79E-02	4.21E-02	2.28E+00	2.15E-01	2.32E-02	2.56E+00	4.08E-02	2.88E-05	2.15E-02	4.54E-03	6.69E-02
3699	488363.09	3851377.25	3.57E-02	2.53E-05	2.98E-02	5.21E-03	7.08E-02	4.72E-02	2.42E+00	2.98E-01	2.66E-02	2.79E+00	4.58E-02	3.06E-05	2.98E-02	5.21E-03	8.09E-02
3700	488863.09	3851377.25	3.51E-02	2.14E-05	2.72E-02	5.79E-03	6.81E-02	4.63E-02	2.05E+00	2.72E-01	2.96E-02	2.40E+00	4.50E-02	2.59E-05	2.72E-02	5.79E-03	7.80E-02
3701	489363.09	3851377.25	3.45E-02	1.63E-05	2.78E-02	5.00E-03	6.73E-02	4.55E-02	1.56E+00	2.78E-01	2.55E-02	1.91E+00	4.42E-02	1.97E-05	2.78E-02	5.00E-03	7.70E-02
3702	489863.09	3851377.25	3.41E-02	1.39E-05	3.53E-02	4.36E-03	7.38E-02	4.50E-02	1.33E+00	3.53E-01	2.23E-02	1.75E+00	4.37E-02	1.68E-05	3.53E-02	4.36E-03	8.34E-02
3703	490363.09	3851377.25	3.38E-02	1.23E-05	3.24E-02	4.19E-03	7.04E-02	4.46E-02	1.18E+00	3.24E-01	2.14E-02	1.57E+00	4.33E-02	1.48E-05	3.24E-02	4.19E-03	7.99E-02
3704	490863.09	3851377.25	3.18E-02	1.44E-05	2.71E-02	4.69E-03	6.36E-02	4.20E-02	1.38E+00	2.71E-01	2.40E-02	1.72E+00	4.08E-02	1.74E-05	2.71E-02	4.69E-03	7.25E-02
3705	491363.09	3851377.25	2.00E-02	1.38E-05	1.84E-02	3.98E-03	4.23E-02	2.64E-02	1.32E+00	1.84E-01	2.03E-02	1.55E+00	2.56E-02	1.67E-05	1.84E-02	3.98E-03	4.80E-02
3706	491863.09	3851377.25	1.88E-02	1.79E-05	1.94E-02	3.64E-03	4.18E-02	2.48E-02	1.71E+00	1.94E-01	1.86E-02	1.95E+00	2.41E-02	2.17E-05	1.94E-02	3.64E-03	4.71E-02
3707	492363.09	3851377.25	1.97E-02	2.32E-05	1.70E-02	3.10E-03	3.98E-02	2.60E-02	2.23E+00	1.70E-01	1.58E-02	2.44E+00	2.52E-02	2.82E-05	1.70E-02	3.10E-03	4.54E-02
3708	492863.09	3851377.25	1.94E-02	2.31E-05	2.14E-02	3.22E-03	4.40E-02	2.56E-02	2.22E+00	2.14E-01	1.64E-02	2.48E+00	2.48E-02	2.80E-05	2.14E-02	3.22E-03	4.95E-02
3709	493363.09	3851377.25	2.53E-02	1.87E-05	2.42E-02	3.13E-03	5.27E-02	3.35E-02	1.79E+00	2.42E-01	1.60E-02	2.09E+00	3.25E-02	2.27E-05	2.42E-02	3.13E-03	5.98E-02
3710	493863.09	3851377.25	2.79E-02	2.05E-05	1.87E-02	3.79E-03	5.04E-02	3.69E-02	1.97E+00	1.87E-01	1.94E-02	2.21E+00	3.58E-02	2.48E-05	1.87E-02	3.79E-03	5.83E-02
3711	494363.09	3851377.25	2.84E-02	2.89E-05	1.79E-02	3.61E-03	5.00E-02	3.75E-02	2.77E+00	1.79E-01	1.84E-02	3.01E+00	3.64E-02	3.50E-05	1.79E-02	3.61E-03	5.80E-02
3712	494863.09	3851377.25	2.84E-02	2.95E-05	2.08E-02	3.22E-03	5.25E-02	3.76E-02	2.83E+00	2.08E-01	1.64E-02	3.09E+00	3.65E-02	3.57E-05	2.08E-02	3.22E-03	6.06E-02
3713	495363.09	3851377.25	2.84E-02	2.10E-05	2.28E-02	3.92E-03	5.52E-02	3.75E-02	2.01E+00	2.28E-01	2.00E-02	2.30E+00	3.64E-02	2.54E-05	2.28E-02	3.92E-03	6.32E-02
3714	495863.09	3851377.25	2.86E-02	1.79E-05	1.86E-02	3.53E-03	5.08E-02	3.78E-02	1.71E+00	1.86E-01	1.80E-02	1.96E+00	3.67E-02	2.17E-05	1.86E-02	3.53E-03	5.89E-02
3715	496363.09	3851377.25	2.97E-02	1.71E-05	1.85E-02	3.11E-03	5.13E-02	3.92E-02	1.64E+00	1.85E-01	1.59E-02	1.88E+00	3.81E-02	2.08E-05	1.85E-02	3.11E-03	5.97E-02
3716	496863.09	3851377.25	2.94E-02	1.54E-05	1.92E-02	3.41E-03	5.20E-02	3.88E-02	1.48E+00	1.92E-01	1.74E-02	1.73E+00	3.77E-02	1.87E-05	1.92E-02	3.41E-03	6.03E-02
3717	497363.09	3851377.25	2.86E-02	1.41E-05	1.80E-02	3.68E-03	5.03E-02	3.78E-02	1.35E+00	1.80E-01	1.88E-02	1.59E+00	3.66E-02	1.71E-05	1.80E-02	3.68E-03	5.83E-02

3718	497863.09	3851377.25	2.78E-02	1.36E-05	1.67E-02	3.90E-03	4.84E-02	3.67E-02	1.31E+00	1.67E-01	1.99E-02	1.53E+00	3.56E-02	1.65E-05	1.67E-02	3.90E-03	5.62E-02
3719	498363.09	3851377.25	2.59E-02	1.35E-05	1.39E-02	4.04E-03	4.39E-02	3.42E-02	1.30E+00	1.39E-01	2.07E-02	1.49E+00	3.32E-02	1.64E-05	1.39E-02	4.04E-03	5.12E-02
3720	471363.09	3851877.25	6.03E-02	2.94E-05	2.62E-02	7.03E-03	9.35E-02	7.96E-02	2.82E+00	2.62E-01	3.59E-02	3.20E+00	7.73E-02	3.56E-05	2.62E-02	7.03E-03	1.11E-01
3721	471863.09	3851877.25	5.94E-02	2.66E-05	2.90E-02	7.23E-03	9.57E-02	7.85E-02	2.55E+00	2.90E-01	3.69E-02	2.96E+00	7.62E-02	3.22E-05	2.90E-02	7.23E-03	1.12E-01
3722	472363.09	3851877.25	7.35E-02	3.16E-05	3.26E-02	7.33E-03	1.13E-01	9.70E-02	3.03E+00	3.26E-01	3.74E-02	3.49E+00	9.42E-02	3.83E-05	3.26E-02	7.33E-03	1.34E-01
3723	472863.09	3851877.25	8.27E-02	3.78E-05	3.03E-02	7.28E-03	1.20E-01	1.09E-01	3.62E+00	3.03E-01	3.72E-02	4.07E+00	1.06E-01	4.58E-05	3.03E-02	7.28E-03	1.44E-01
3724	473363.09	3851877.25	7.62E-02	4.17E-05	2.08E-02	7.07E-03	1.04E-01	1.01E-01	4.00E+00	2.08E-01	3.61E-02	4.34E+00	9.77E-02	5.05E-05	2.08E-02	7.07E-03	1.26E-01
3725	473863.09	3851877.25	6.94E-02	5.17E-05	2.69E-02	6.75E-03	1.03E-01	9.17E-02	4.96E+00	2.69E-01	3.45E-02	5.36E+00	8.90E-02	6.27E-05	2.69E-02	6.75E-03	1.23E-01
3726	474363.09	3851877.25	7.84E-02	7.20E-05	3.15E-02	6.35E-03	1.16E-01	1.04E-01	6.90E+00	3.15E-01	3.24E-02	7.35E+00	1.00E-01	8.72E-05	3.15E-02	6.35E-03	1.38E-01
3727	474863.09	3851877.25	8.90E-02	8.86E-05	2.98E-02	5.88E-03	1.25E-01	1.18E-01	8.50E+00	2.98E-01	3.00E-02	8.94E+00	1.14E-01	1.07E-04	2.98E-02	5.88E-03	1.50E-01
3728	475363.09	3851877.25	1.12E-01	9.58E-05	2.30E-02	5.34E-03	1.41E-01	1.48E-01	9.19E+00	2.30E-01	2.73E-02	9.60E+00	1.44E-01	1.16E-04	2.30E-02	5.34E-03	1.72E-01
3729	475863.09	3851877.25	1.34E-01	1.15E-04	1.45E-02	4.72E-03	1.54E-01	1.78E-01	1.10E+01	1.45E-01	2.41E-02	1.14E+01	1.72E-01	1.39E-04	1.45E-02	4.72E-03	1.92E-01
3730	476363.09	3851877.25	1.46E-01	1.01E-04	9.81E-03	4.25E-03	1.61E-01	1.93E-01	9.68E+00	9.81E-02	2.17E-02	9.99E+00	1.88E-01	1.22E-04	9.81E-03	4.25E-03	2.02E-01
3731	476863.09	3851877.25	1.50E-01	1.04E-04	9.65E-03	5.78E-03	1.66E-01	1.98E-01	9.97E+00	9.65E-02	2.95E-02	1.03E+01	1.92E-01	1.26E-04	9.65E-03	5.78E-03	2.08E-01
3732	477363.09	3851877.25	1.32E-01	1.01E-04	1.09E-02	7.66E-03	1.51E-01	1.75E-01	9.70E+00	1.09E-01	3.91E-02	1.00E+01	1.70E-01	1.23E-04	1.09E-02	7.66E-03	1.88E-01
3733	477863.09	3851877.25	1.74E-01	1.04E-04	1.25E-02	9.67E-03	1.97E-01	2.30E-01	9.97E+00	1.25E-01	4.94E-02	1.04E+01	2.24E-01	1.26E-04	1.25E-02	9.67E-03	2.46E-01
3734	478363.09	3851877.25	1.93E-01	1.16E-04	1.15E-02	1.14E-02	2.16E-01	2.55E-01	1.11E+01	1.15E-01	5.81E-02	1.15E+01	2.47E-01	1.40E-04	1.15E-02	1.14E-02	2.70E-01
3735	478863.09	3851877.25	2.01E-01	1.86E-04	1.32E-02	1.21E-02	2.27E-01	2.66E-01	1.79E+01	1.32E-01	6.17E-02	1.83E+01	2.58E-01	2.26E-04	1.32E-02	1.21E-02	2.83E-01
3736	479363.09	3851877.25	2.11E-01	1.81E-04	1.76E-02	1.13E-02	2.40E-01	2.79E-01	1.74E+01	1.76E-01	5.79E-02	1.79E+01	2.71E-01	2.20E-04	1.76E-02	1.13E-02	3.00E-01
3737	479863.09	3851877.25	2.04E-01	2.76E-04	2.18E-02	9.26E-03	2.35E-01	2.69E-01	2.65E+01	2.18E-01	4.73E-02	2.70E+01	2.61E-01	3.35E-04	2.18E-02	9.26E-03	2.92E-01
3738	480363.09	3851877.25	2.18E-01	2.11E-04	2.45E-02	6.69E-03	2.49E-01	2.87E-01	2.02E+01	2.45E-01	3.42E-02	2.08E+01	2.79E-01	2.55E-04	2.45E-02	6.69E-03	3.10E-01
3739	480863.09	3851877.25	2.64E-01	1.57E-04	2.47E-02	5.01E-03	2.94E-01	3.49E-01	1.51E+01	2.47E-01	2.56E-02	1.57E+01	3.38E-01	1.90E-04	2.47E-02	5.01E-03	3.68E-01
3740	481363.09	3851877.25	3.07E-01	1.33E-04	2.18E-02	5.45E-03	3.35E-01	4.06E-01	1.27E+01	2.18E-01	2.79E-02	1.34E+01	3.94E-01	1.61E-04	2.18E-02	5.45E-03	4.21E-01
3741	481863.09	3851877.25	4.45E-01	1.25E-04	1.65E-02	6.56E-03	4.68E-01	5.87E-01	1.19E+01	1.65E-01	3.35E-02	1.27E+01	5.70E-01	1.51E-04	1.65E-02	6.56E-03	5.93E-01
3742	482363.09	3851877.25	2.63E-01	7.12E-05	2.48E-02	8.29E-03	2.97E-01	3.48E-01	6.83E+00	2.48E-01	4.24E-02	7.47E+00	3.38E-01	8.63E-05	2.48E-02	8.29E-03	3.71E-01
3743	482863.09	3851877.25	2.05E-01	4.59E-05	8.99E-02	1.07E-02	3.06E-01	2.71E-01	4.40E+00	8.99E-01	5.48E-02	5.63E+00	2.63E-01	5.56E-05	8.99E-02	1.07E-02	3.64E-01
3744	483363.09	3851877.25	1.46E-01	3.36E-05	5.22E-02	1.57E-02	2.14E-01	1.93E-01	3.22E+00	5.22E-01	8.02E-02	4.02E+00	1.88E-01	4.07E-05	5.22E-02	1.57E-02	2.56E-01
3745	483863.09	3851877.25	1.05E-01	3.16E-05	2.83E-02	1.20E-02	1.45E-01	1.39E-01	3.03E+00	2.83E-01	6.12E-02	3.51E+00	1.35E-01	3.83E-05	2.83E-02	1.20E-02	1.75E-01
3746	484363.09	3851877.25	1.12E-01	4.47E-05	1.22E-01	5.92E-03	2.40E-01	1.48E-01	4.29E+00	1.22E+00	3.02E-02	5.69E+00	1.43E-01	5.41E-05	1.22E-01	5.92E-03	2.72E-01
3747	484863.09	3851877.25	1.09E-01	4.55E-05	9.05E-02	6.37E-03	2.06E-01	1.44E-01	4.36E+00	9.05E-01	3.25E-02	5.44E+00	1.40E-01	5.51E-05	9.05E-02	6.37E-03	2.37E-01
3748	485363.09	3851877.25	1.04E-01	4.31E-05	2.72E-02	6.49E-03	1.38E-01	1.38E-01	4.13E+00	2.72E-01	3.32E-02	4.58E+00	1.34E-01	5.22E-05	2.72E-02	6.49E-03	1.68E-01
3749	485863.09	3851877.25	1.01E-01	3.75E-05	3.67E-02	1.35E-02	1.51E-01	1.33E-01	3.60E+00	3.67E-01	6.88E-02	4.17E+00	1.29E-01	4.54E-05	3.67E-02	1.35E-02	1.79E-01
3750	486363.09	3851877.25	6.34E-02	2.93E-05	5.58E-02	9.62E-03	1.29E-01	8.38E-02	2.81E+00	5.58E-01	4.92E-02	3.50E+00	8.13E-02	3.55E-05	5.58E-02	9.62E-03	1.47E-01
3751	486863.09	3851877.25	4.71E-02	3.31E-05	8.31E-02	6.66E-03	1.37E-01	6.23E-02	3.18E+00	8.31E-01	3.40E-02	4.11E+00	6.04E-02	4.02E-05	8.31E-02	6.66E-03	1.50E-01
3752	487363.09	3851877.25	3.75E-02	4.02E-05	3.66E-02	4.32E-03	7.84E-02	4.95E-02	3.86E+00	3.66E-01	2.20E-02	4.29E+00	4.80E-02	4.87E-05	3.66E-02	4.32E-03	8.90E-02
3753	487863.09	3851877.25	3.64E-02	2.39E-05	2.26E-02	4.45E-03	6.35E-02	4.80E-02	2.29E+00	2.26E-01	2.27E-02	2.59E+00	4.66E-02	2.89E-05	2.26E-02	4.45E-03	7.37E-02
3754	488363.09	3851877.25	3.56E-02	2.57E-05	3.13E-02	5.37E-03	7.24E-02	4.71E-02	2.46E+00	3.13E-01	2.75E-02	2.85E+00	4.57E-02	3.11E-05	3.13E-02	5.37E-03	8.24E-02
3755	488863.09	3851877.25	3.48E-02	1.99E-05	2.69E-02	6.25E-03	6.80E-02	4.60E-02	1.91E+00	2.69E-01	3.19E-02	2.26E+00	4.47E-02	2.41E-05	2.69E-02	6.25E-03	7.78E-02
3756	489363.09	3851877.25	3.43E-02	1.40E-05	3.01E-02	5.34E-03	6.98E-02	4.53E-02	1.34E+00	3.01E-01	2.73E-02	1.71E+00	4.39E-02	1.69E-05	3.01E-02	5.34E-03	7.94E-02
3757	489863.09	3851877.25	3.39E-02	1.43E-05	3.68E-02	4.57E-03	7.53E-02	4.48E-02	1.37E+00	3.68E-01	2.33E-02	1.81E+00	4.35E-02	1.73E-05	3.68E-02	4.57E-03	8.48E-02
3758	490363.09	3851877.25	3.30E-02	1.41E-05	2.89E-02	4.52E-03	6.64E-02	4.36E-02	1.35E+00	2.89E-01	2.31E-02	1.70E+00	4.23E-02	1.70E-05	2.89E-02	4.52E-03	7.58E-02
3759	490863.09	3851877.25	2.40E-02	1.40E-05	2.57E-02	4.69E-03	5.44E-02	3.17E-02	1.34E+00	2.57E-01	2.40E-02	1.65E+00	3.07E-02	1.69E-05	2.57E-02	4.69E-03	6.11E-02
3760	491363.09	3851877.25	2.34E-02	1.65E-05	3.21E-02	3.92E-03	5.95E-02	3.10E-02	1.58E+00	3.21E-01	2.00E-02	1.96E+00	3.01E-02	2.00E-05	3.21E-02	3.92E-03	6.61E-02
3761	491863.09	3851877.25	2.39E-02	2.28E-05	3.05E-02	3.51E-03	5.79E-02	3.15E-02	2.18E+00	3.05E-01	1.79E-02	2.54E+00	3.06E-02	2.76E-05	3.05E-02	3.51E-03	6.47E-02
3762	492363.09	3851877.25	2.65E-02	2.41E-05	1.98E-02	4.08E-03	5.04E-02	3.50E-02	2.31E+00	1.98E-01	2.08E-02	2.56E+00	3.40E-02	2.92E-05	1.98E-02	4.08E-03	5.78E-02
3763	492863.09	3851877.25	2.82E-02	1.95E-05	2.52E-02	4.04E-03	5.75E-02	3.73E-02	1.87E+00	2.52E-01	2.06E-02	2.18E+00	3.62E-02	2.37E-05	2.52E-02	4.04E-03	6.55E-02
3764	493363.09	3851877.25	2.85E-02	1.87E-05	2.05E-02	4.57E-03	5.35E-02	3.76E-02	1.79E+00	2.05E-01	2.34E-02	2.06E+00	3.65E-02	2.27E-05	2.05E-02	4.57E-03	6.15E-02
3765	493863.09	3851877.25	2.98E-02	2.75E-05	2.39E-02	4.46E-03	5.81E-02	3.94E-02	2.64E+00	2.39E-01	2.28E-02	2.94E+00	3.82E-02	3.33E-05	2.39E-02	4.46E-03	6.65E-02
3766	494363.09	3851877.25	2.85E-02	3.09E-05	2.62E-02	4.10E-03	5.88E-02	3.76E-02	2.97E+00	2.62E-01	2.09E-02	3.29E+00	3.65E-02	3.75E-05	2.62E-02	4.10E-03	6.68E-02
3767	494863.09	3851877.25	3.32E-02	2.32E-05	2.39E-02	3.65E-03	6.08E-02	4.38E-02	2.23E+00	2.39E-01	1.86E-02	2.53E+00	4.26E-02	2.81E-05	2.39E-02	3.65E-03	7.02E-02
3768	495363.09	3851877.25	3.53E-02	1.74E-05	1.93E-02	3.80E-03	5.84E-02	4.66E-02	1.67E+00	1.93E-01	1.94E-02	1.93E+00	4.52E-02	2.11E-05	1.93E-02	3.80E-03	6.84E-02
3769	495863.09	3851877.25	3.60E-02	1.76E-05	1.98E-02	4.00E-03	5.98E-02	4.76E-02	1.69E+00	1.98E-01	2.04E-02	1.96E+00	4.62E-02	2.14E-05	1.98E-02	4.00E-03	7.00E-02
3770	496363.09	3851877.25	3.43E-02	1.74E-05	1.99E-02	3.96E-03	5.82E-02	4.53E-02	1.67E+00	1.99E-01	2.03E-02	1.93E+00	4.40E-02	2.11E-05	1.99E-02	3.96E-03	6.79E-02
3771	496863.09	3851877.25	3.23E-02	1.61E-05	1.83E-02	3.77E-03	5.43E-02	4.27E-02	1.55E+00	1.83E-01	1.92E-02	1.79E+00	4.14E-02	1.95E-05	1.83E-02	3.77E-03	6.34E-02
3772	497363.09	3851877.25	3.01E-02	1.46E-05	1.63E-02	3.97E-03	5.05E-02	3.98E-02	1.40E+00	1.63E-01	2.03E-02	1.62E+00	3.86E-02	1.77E-05	1.63E-02	3.97E-03	5.90E-02
3773	497863.09	3851877.25	2.63E-02	1.42E-05	1.26E-02	4.09E-03	4.30E-02	3.48E-02	1.37E+00	1.26E-01	2.09E-02	1.55E+00	3.38E-02	1.72E-05	1.26E-02	4.09E-03	5.05E-02
3774	498363.09	3851877.25	2.28E-02	1.54E-05	1.39E-02	4.08E-03	4.08E-02	3.02E-02	1.47E+00	1.39E-01	2.08E-02	1.66E+00	2.93E-02	1.86E-05	1.39E-02	4.08E-03	4.72E-02
3775	471363.09	3852377.25	6.38E-02	2.81E-05	1.56E-02	6.36E-03	8.58E-02	8.43E-02	2.70E+00	1.56E-01	3.25E-02	2.97E+00	8.18E-02	3.41E-05	1.56E-02	6.36E-03	1.04E-01
3776	471863.09	3852377.25	7.89E-02	2.79E-05	1.70E-02	6.76E-03	1.03E-01	1.04E-01	2.68E+00	1.70E-01	3.45E-02	2.99E+00	1.01E-01	3.38E-05	1.70E-02	6.76E-03	1.25E-01
3777	472363.09	3852377.25	7.41E-02	3.10E-05	2.36E-02	7.14E-03	1.05E-01	9.79E-02	2.97E+00	2.36E-01	3.65E-02	3.34E+00	9.51E-02	3.75E-05	2.36E-02	7.14E-03	1.26E-01
3778	472863.09	3852377.25	7.21E-02	3.28E-05	3.16E-02	7.46E-03	1.11E-01	9.52E-02	3.14E+00	3.16E-01	3.81E-02	3.59E+00	9.24E-02	3.97E-05	3.16E-02	7.46E-03	1.32E-01

3779	473363.09	3852377.25	7.11E-02	3.33E-05	3.58E-02	7.66E-03	1.14E-01	9.39E-02	3.19E+00	3.58E-01	3.91E-02	3.68E+00	9.11E-02	4.03E-05	3.58E-02	7.66E-03	1.35E-01
3780	473863.09	3852377.25	7.91E-02	3.87E-05	3.39E-02	7.69E-03	1.21E-01	1.05E-01	3.71E+00	3.39E-01	3.93E-02	4.19E+00	1.01E-01	4.69E-05	3.39E-02	7.69E-03	1.43E-01
3781	474363.09	3852377.25	8.47E-02	4.59E-05	2.72E-02	7.55E-03	1.19E-01	1.12E-01	4.41E+00	2.72E-01	3.85E-02	4.83E+00	1.09E-01	5.56E-05	2.72E-02	7.55E-03	1.43E-01
3782	474863.09	3852377.25	1.01E-01	7.03E-05	3.00E-02	7.26E-03	1.38E-01	1.33E-01	6.74E+00	3.00E-01	3.71E-02	7.21E+00	1.29E-01	8.51E-05	3.00E-02	7.26E-03	1.66E-01
3783	475363.09	3852377.25	9.39E-02	8.55E-05	3.45E-02	7.20E-03	1.36E-01	1.24E-01	8.20E+00	3.45E-01	3.68E-02	8.70E+00	1.20E-01	1.04E-04	3.45E-02	7.20E-03	1.62E-01
3784	475863.09	3852377.25	9.46E-02	9.15E-05	3.29E-02	6.31E-03	1.34E-01	1.25E-01	8.78E+00	3.29E-01	3.22E-02	9.26E+00	1.21E-01	1.11E-04	3.29E-02	6.31E-03	1.61E-01
3785	476363.09	3852377.25	1.11E-01	8.30E-05	2.49E-02	5.70E-03	1.42E-01	1.47E-01	7.96E+00	2.49E-01	2.91E-02	8.39E+00	1.42E-01	1.01E-04	2.49E-02	5.70E-03	1.73E-01
3786	476863.09	3852377.25	1.43E-01	9.31E-05	1.49E-02	5.01E-03	1.63E-01	1.89E-01	8.92E+00	1.49E-01	2.56E-02	9.29E+00	1.84E-01	1.13E-04	1.49E-02	5.01E-03	2.04E-01
3787	477363.09	3852377.25	1.57E-01	7.57E-05	1.05E-02	5.37E-03	1.73E-01	2.08E-01	7.26E+00	1.05E-01	2.74E-02	7.60E+00	2.02E-01	9.18E-05	1.05E-02	5.37E-03	2.18E-01
3788	477863.09	3852377.25	1.24E-01	5.45E-05	1.03E-02	7.32E-03	1.42E-01	1.64E-01	5.23E+00	1.03E-01	3.74E-02	5.53E+00	1.59E-01	6.61E-05	1.03E-02	7.32E-03	1.77E-01
3789	478363.09	3852377.25	1.26E-01	5.71E-05	1.11E-02	9.60E-03	1.47E-01	1.67E-01	5.48E+00	1.11E-01	4.90E-02	5.81E+00	1.62E-01	6.92E-05	1.11E-02	9.60E-03	1.83E-01
3790	478863.09	3852377.25	1.98E-01	7.92E-05	1.19E-02	1.17E-02	2.22E-01	2.61E-01	7.60E+00	1.19E-01	6.00E-02	8.04E+00	2.54E-01	9.60E-05	1.19E-02	1.17E-02	2.77E-01
3791	479363.09	3852377.25	2.33E-01	1.20E-04	1.25E-02	1.30E-02	2.59E-01	3.08E-01	1.16E+01	1.25E-01	6.62E-02	1.21E+01	2.99E-01	1.46E-04	1.25E-02	1.30E-02	3.25E-01
3792	479863.09	3852377.25	2.58E-01	1.44E-04	1.70E-02	1.25E-02	2.87E-01	3.40E-01	1.38E+01	1.70E-01	6.37E-02	1.43E+01	3.30E-01	1.74E-04	1.70E-02	1.25E-02	3.60E-01
3793	480363.09	3852377.25	2.43E-01	3.05E-04	2.20E-02	1.02E-02	2.76E-01	3.21E-01	2.93E+01	2.20E-01	5.22E-02	2.99E+01	3.12E-01	3.70E-04	2.20E-02	1.02E-02	3.44E-01
3794	480863.09	3852377.25	2.67E-01	2.21E-04	2.57E-02	7.23E-03	3.01E-01	3.53E-01	2.12E+01	2.57E-01	3.69E-02	2.19E+01	3.43E-01	2.68E-04	2.57E-02	7.23E-03	3.76E-01
3795	481363.09	3852377.25	3.08E-01	1.82E-04	2.66E-02	5.32E-03	3.40E-01	4.07E-01	1.75E+01	2.66E-01	2.72E-02	1.82E+01	3.95E-01	2.21E-04	2.66E-02	5.32E-03	4.27E-01
3796	481863.09	3852377.25	3.62E-01	1.41E-04	2.39E-02	6.12E-03	3.92E-01	4.78E-01	1.35E+01	2.39E-01	3.13E-02	1.43E+01	4.64E-01	1.71E-04	2.39E-02	6.12E-03	4.94E-01
3797	482363.09	3852377.25	5.13E-01	1.33E-04	1.82E-02	8.51E-03	5.40E-01	6.78E-01	1.28E+01	1.82E-01	4.35E-02	1.37E+01	6.58E-01	1.62E-04	1.82E-02	8.51E-03	6.85E-01
3798	482863.09	3852377.25	3.31E-01	8.18E-05	1.94E-02	8.84E-03	3.59E-01	4.37E-01	7.85E+00	1.94E-01	4.51E-02	8.52E+00	4.24E-01	9.91E-05	1.94E-02	8.84E-03	4.52E-01
3799	483363.09	3852377.25	3.01E-01	4.36E-05	8.40E-02	1.56E-02	4.01E-01	3.98E-01	4.18E+00	8.40E-01	7.97E-02	5.50E+00	3.86E-01	5.28E-05	8.40E-02	1.56E-02	4.86E-01
3800	483863.09	3852377.25	1.26E-01	3.35E-05	3.88E-02	1.52E-02	1.80E-01	1.67E-01	3.22E+00	3.88E-01	7.76E-02	3.85E+00	1.62E-01	4.06E-05	3.88E-02	1.52E-02	2.16E-01
3801	484363.09	3852377.25	1.37E-01	4.20E-05	5.97E-02	1.18E-02	2.09E-01	1.81E-01	4.03E+00	5.97E-01	6.00E-02	4.86E+00	1.76E-01	5.08E-05	5.97E-02	1.18E-02	2.47E-01
3802	484863.09	3852377.25	1.79E-01	4.65E-05	1.41E-01	6.40E-03	3.27E-01	2.37E-01	4.46E+00	1.41E+00	3.27E-02	6.14E+00	2.30E-01	5.63E-05	1.41E-01	6.40E-03	3.77E-01
3803	485363.09	3852377.25	1.53E-01	4.44E-05	4.27E-02	8.35E-03	2.04E-01	2.02E-01	4.25E+00	4.27E-01	4.26E-02	4.93E+00	1.96E-01	5.37E-05	4.27E-02	8.35E-03	2.47E-01
3804	485863.09	3852377.25	1.12E-01	3.93E-05	3.65E-02	1.80E-02	1.67E-01	1.48E-01	3.77E+00	3.65E-01	9.19E-02	4.37E+00	1.44E-01	4.76E-05	3.65E-02	1.80E-02	1.98E-01
3805	486363.09	3852377.25	7.26E-02	3.07E-05	7.87E-02	9.98E-03	1.61E-01	9.59E-02	2.95E+00	7.87E-01	5.10E-02	3.88E+00	9.31E-02	3.73E-05	7.87E-02	9.98E-03	1.82E-01
3806	486863.09	3852377.25	5.11E-02	3.11E-05	7.46E-02	6.05E-03	1.32E-01	6.76E-02	2.98E+00	7.46E-01	3.09E-02	3.83E+00	6.56E-02	3.77E-05	7.46E-02	6.05E-03	1.46E-01
3807	487363.09	3852377.25	3.70E-02	4.14E-05	4.24E-02	4.14E-03	8.36E-02	4.89E-02	3.97E+00	4.24E-01	2.11E-02	4.46E+00	4.75E-02	5.01E-05	4.24E-02	4.14E-03	9.40E-02
3808	487863.09	3852377.25	3.63E-02	2.36E-05	2.39E-02	5.03E-03	6.53E-02	4.80E-02	2.27E+00	2.39E-01	2.57E-02	2.58E+00	4.66E-02	2.86E-05	2.39E-02	5.03E-03	7.55E-02
3809	488363.09	3852377.25	3.53E-02	2.51E-05	3.35E-02	5.82E-03	7.46E-02	4.67E-02	2.41E+00	3.35E-01	2.97E-02	2.82E+00	4.53E-02	3.04E-05	3.35E-02	5.82E-03	8.46E-02
3810	488863.09	3852377.25	3.46E-02	1.93E-05	2.64E-02	6.81E-03	6.78E-02	4.57E-02	1.85E+00	2.64E-01	3.48E-02	2.20E+00	4.43E-02	2.34E-05	2.64E-02	6.81E-03	7.76E-02
3811	489363.09	3852377.25	3.41E-02	1.39E-05	3.14E-02	5.49E-03	7.10E-02	4.50E-02	1.34E+00	3.14E-01	2.81E-02	1.72E+00	4.37E-02	1.69E-05	3.14E-02	5.49E-03	8.06E-02
3812	489863.09	3852377.25	3.36E-02	1.38E-05	3.85E-02	4.55E-03	7.67E-02	4.44E-02	1.33E+00	3.85E-01	2.32E-02	1.78E+00	4.31E-02	1.67E-05	3.85E-02	4.55E-03	8.62E-02
3813	490363.09	3852377.25	2.78E-02	1.53E-05	3.06E-02	4.85E-03	6.33E-02	3.67E-02	1.47E+00	3.06E-01	2.48E-02	1.84E+00	3.56E-02	1.86E-05	3.06E-02	4.85E-03	7.11E-02
3814	490863.09	3852377.25	2.51E-02	1.51E-05	2.49E-02	4.49E-03	5.44E-02	3.31E-02	1.45E+00	2.49E-01	2.30E-02	1.75E+00	3.21E-02	1.83E-05	2.49E-02	4.49E-03	6.15E-02
3815	491363.09	3852377.25	3.03E-02	2.21E-05	3.55E-02	4.34E-03	7.02E-02	4.00E-02	2.11E+00	3.55E-01	2.21E-02	2.53E+00	3.89E-02	2.67E-05	3.55E-02	4.34E-03	7.87E-02
3816	491863.09	3852377.25	3.13E-02	2.48E-05	2.84E-02	4.79E-03	6.45E-02	4.14E-02	2.37E+00	2.84E-01	2.44E-02	2.72E+00	4.02E-02	3.00E-05	2.84E-02	4.79E-03	7.33E-02
3817	492363.09	3852377.25	3.49E-02	2.09E-05	3.03E-02	5.30E-03	7.05E-02	4.61E-02	2.00E+00	3.03E-01	2.71E-02	2.38E+00	4.47E-02	2.53E-05	3.03E-02	5.30E-03	8.04E-02
3818	492863.09	3852377.25	3.66E-02	1.74E-05	3.11E-02	5.06E-03	7.28E-02	4.83E-02	1.67E+00	3.11E-01	2.58E-02	2.05E+00	4.69E-02	2.10E-05	3.11E-02	5.06E-03	8.31E-02
3819	493363.09	3852377.25	4.24E-02	2.55E-05	2.84E-02	4.82E-03	7.56E-02	5.60E-02	2.44E+00	2.84E-01	2.46E-02	2.81E+00	5.43E-02	3.09E-05	2.84E-02	4.82E-03	8.75E-02
3820	493863.09	3852377.25	4.08E-02	3.19E-05	3.22E-02	3.76E-03	7.68E-02	5.39E-02	3.06E+00	3.22E-01	1.92E-02	3.45E+00	5.23E-02	3.86E-05	3.22E-02	3.76E-03	8.83E-02
3821	494363.09	3852377.25	3.88E-02	2.56E-05	2.51E-02	3.75E-03	6.77E-02	5.13E-02	2.45E+00	2.51E-01	1.91E-02	2.77E+00	4.98E-02	3.10E-05	2.51E-02	3.75E-03	7.86E-02
3822	494863.09	3852377.25	4.07E-02	1.81E-05	1.99E-02	3.90E-03	6.46E-02	5.38E-02	1.74E+00	1.99E-01	1.99E-02	2.01E+00	5.22E-02	2.19E-05	1.99E-02	3.90E-03	7.60E-02
3823	495363.09	3852377.25	4.27E-02	2.10E-05	2.12E-02	4.14E-03	6.81E-02	5.65E-02	2.02E+00	2.12E-01	2.11E-02	2.31E+00	5.48E-02	2.55E-05	2.12E-02	4.14E-03	8.01E-02
3824	495863.09	3852377.25	3.95E-02	1.99E-05	2.04E-02	4.11E-03	6.40E-02	5.21E-02	1.91E+00	2.04E-01	2.10E-02	2.19E+00	5.06E-02	2.41E-05	2.04E-02	4.11E-03	7.52E-02
3825	496363.09	3852377.25	3.62E-02	1.72E-05	1.87E-02	3.81E-03	5.87E-02	4.79E-02	1.65E+00	1.87E-01	1.95E-02	1.90E+00	4.64E-02	2.08E-05	1.87E-02	3.81E-03	6.90E-02
3826	496863.09	3852377.25	3.40E-02	1.48E-05	1.54E-02	4.00E-03	5.33E-02	4.48E-02	1.42E+00	1.54E-01	2.04E-02	1.64E+00	4.35E-02	1.79E-05	1.54E-02	4.00E-03	6.29E-02
3827	497363.09	3852377.25	2.81E-02	1.49E-05	1.33E-02	4.11E-03	4.56E-02	3.72E-02	1.43E+00	1.33E-01	2.10E-02	1.62E+00	3.61E-02	1.81E-05	1.33E-02	4.11E-03	5.35E-02
3828	497863.09	3852377.25	2.51E-02	1.53E-05	1.87E-02	4.08E-03	4.79E-02	3.31E-02	1.47E+00	1.87E-01	2.08E-02	1.71E+00	3.22E-02	1.86E-05	1.87E-02	4.08E-03	5.50E-02
3829	498363.09	3852377.25	2.39E-02	1.38E-05	2.28E-02	3.89E-03	5.06E-02	3.15E-02	1.32E+00	2.28E-01	1.99E-02	1.60E+00	3.06E-02	1.67E-05	2.28E-02	3.89E-03	5.73E-02
3830	471363.09	3852877.25	7.18E-02	2.63E-05	1.43E-02	5.55E-03	9.17E-02	9.49E-02	2.53E+00	1.43E-01	2.84E-02	2.79E+00	9.21E-02	3.19E-05	1.43E-02	5.55E-03	1.12E-01
3831	471863.09	3852877.25	7.82E-02	2.71E-05	1.32E-02	5.91E-03	9.74E-02	1.03E-01	2.60E+00	1.32E-01	3.02E-02	2.86E+00	1.00E-01	3.28E-05	1.32E-02	5.91E-03	1.19E-01
3832	472363.09	3852877.25	8.31E-02	2.81E-05	1.52E-02	6.29E-03	1.05E-01	1.10E-01	2.69E+00	1.52E-01	3.21E-02	2.99E+00	1.07E-01	3.40E-05	1.52E-02	6.29E-03	1.28E-01
3833	472863.09	3852877.25	8.58E-02	3.21E-05	1.70E-02	6.71E-03	1.10E-01	1.13E-01	3.08E+00	1.70E-01	3.43E-02	3.40E+00	1.10E-01	3.89E-05	1.70E-02	6.71E-03	1.34E-01
3834	473363.09	3852877.25	8.61E-02	3.66E-05	2.06E-02	7.16E-03	1.14E-01	1.14E-01	3.51E+00	2.06E-01	3.66E-02	3.87E+00	1.10E-01	4.43E-05	2.06E-02	7.16E-03	1.38E-01
3835	473863.09	3852877.25	8.37E-02	4.00E-05	3.10E-02	7.59E-03	1.22E-01	1.11E-01	3.84E+00	3.10E-01	3.88E-02	4.30E+00	1.07E-01	4.85E-05	3.10E-02	7.59E-03	1.46E-01
3836	474363.09	3852877.25	1.18E-01	4.42E-05	3.96E-02	7.94E-03	1.66E-01	1.56E-01	4.24E+00	3.96E-01	4.06E-02	4.83E+00	1.51E-01	5.35E-05	3.96E-02	7.94E-03	1.99E-01
3837	474863.09	3852877.25	8.54E-02	4.44E-05	4.00E-02	8.09E-03	1.34E-01	1.13E-01	4.26E+00	4.00E-01	4.13E-02	4.81E+00	1.10E-01	5.38E-05	4.00E-02	8.09E-03	1.58E-01
3838	475363.09	3852877.25	9.40E-02	5.54E-05	3.66E-02	8.04E-03	1.39E-01	1.24E-01	5.31E+00	3.66E-01	4.11E-02	5.84E+00	1.21E-01	6.71E-05	3.66E-02	8.04E-03	1.65E-01
3839	475863.09	3852877.25	1.02E-01	6.83E-05	2.88E-02	7.75E-03	1.39E-01	1.35E-01	6.55E+00	2.88E-01	3.96E-02	7.01E+00	1.31E-01	8.27E-05	2.88E-02	7.75E-03	1.68E-01

3840	476363.09	3852877.25	9.65E-02	7.61E-05	3.47E-02	7.28E-03	1.39E-01	1.27E-01	7.30E+00	3.47E-01	3.72E-02	7.81E+00	1.24E-01	9.22E-05	3.47E-02	7.28E-03	1.66E-01
3841	476863.09	3852877.25	7.50E-02	7.03E-05	3.16E-02	6.71E-03	1.13E-01	9.90E-02	6.74E+00	3.16E-01	3.43E-02	7.19E+00	9.61E-02	8.51E-05	3.16E-02	6.71E-03	1.34E-01
3842	477363.09	3852877.25	6.51E-02	5.47E-05	2.12E-02	6.05E-03	9.24E-02	8.59E-02	5.25E+00	2.12E-01	3.09E-02	5.58E+00	8.34E-02	6.63E-05	2.12E-02	6.05E-03	1.11E-01
3843	477863.09	3852877.25	6.31E-02	3.70E-05	1.10E-02	5.28E-03	7.95E-02	8.34E-02	3.55E+00	1.10E-01	2.70E-02	3.77E+00	8.09E-02	4.48E-05	1.10E-02	5.28E-03	9.73E-02
3844	478363.09	3852877.25	4.66E-02	3.87E-05	1.12E-02	6.87E-03	6.48E-02	6.16E-02	3.71E+00	1.12E-01	3.51E-02	3.92E+00	5.98E-02	4.68E-05	1.12E-02	6.87E-03	7.79E-02
3845	478863.09	3852877.25	6.05E-02	5.23E-05	1.09E-02	9.37E-03	8.08E-02	7.99E-02	5.02E+00	1.09E-01	4.78E-02	5.25E+00	7.75E-02	6.34E-05	1.09E-02	9.37E-03	9.79E-02
3846	479363.09	3852877.25	1.33E-01	7.58E-05	1.15E-02	1.20E-02	1.56E-01	1.75E-01	7.27E+00	1.15E-01	6.13E-02	7.62E+00	1.70E-01	9.18E-05	1.15E-02	1.20E-02	1.94E-01
3847	479863.09	3852877.25	2.45E-01	1.12E-04	1.24E-02	1.38E-02	2.71E-01	3.24E-01	1.08E+01	1.24E-01	7.06E-02	1.13E+01	3.14E-01	1.36E-04	1.24E-02	1.38E-02	3.40E-01
3848	480363.09	3852877.25	2.57E-01	1.87E-04	1.61E-02	1.38E-02	2.87E-01	3.40E-01	1.79E+01	1.61E-01	7.04E-02	1.85E+01	3.30E-01	2.26E-04	1.61E-02	1.38E-02	3.60E-01
3849	480863.09	3852877.25	3.01E-01	3.00E-04	2.18E-02	1.14E-02	3.34E-01	3.97E-01	2.88E+01	2.18E-01	5.82E-02	2.95E+01	3.85E-01	3.64E-04	2.18E-02	1.14E-02	4.19E-01
3850	481363.09	3852877.25	3.27E-01	2.35E-04	2.67E-02	7.84E-03	3.62E-01	4.32E-01	2.26E+01	2.67E-01	4.01E-02	2.33E+01	4.20E-01	2.85E-04	2.67E-02	7.84E-03	4.54E-01
3851	481863.09	3852877.25	3.61E-01	1.73E-04	2.87E-02	1.19E-02	4.02E-01	4.77E-01	1.66E+01	2.87E-01	6.06E-02	1.74E+01	4.63E-01	2.10E-04	2.87E-02	1.19E-02	5.04E-01
3852	482363.09	3852877.25	4.36E-01	1.57E-04	2.64E-02	8.55E-03	4.71E-01	5.76E-01	1.51E+01	2.64E-01	4.37E-02	1.60E+01	5.59E-01	1.91E-04	2.64E-02	8.55E-03	5.95E-01
3853	482863.09	3852877.25	5.86E-01	1.37E-04	2.02E-02	9.63E-03	6.16E-01	7.74E-01	1.32E+01	2.02E-01	4.92E-02	1.42E+01	7.52E-01	1.66E-04	2.02E-02	9.63E-03	7.82E-01
3854	483363.09	3852877.25	4.16E-01	7.85E-05	2.23E-02	8.30E-03	4.47E-01	5.50E-01	7.53E+00	2.23E-01	4.24E-02	8.34E+00	5.34E-01	9.51E-05	2.23E-02	8.30E-03	5.64E-01
3855	483863.09	3852877.25	2.78E-01	4.08E-05	8.97E-02	1.87E-02	3.86E-01	3.67E-01	3.92E+00	8.97E-01	9.55E-02	5.28E+00	3.56E-01	4.95E-05	8.97E-02	1.87E-02	4.64E-01
3856	484363.09	3852877.25	1.82E-01	3.71E-05	1.96E-02	1.87E-02	2.20E-01	2.40E-01	3.56E+00	1.96E-01	9.54E-02	4.09E+00	2.33E-01	4.50E-05	1.96E-02	1.87E-02	2.71E-01
3857	484863.09	3852877.25	2.53E-01	4.72E-05	8.27E-02	7.68E-03	3.44E-01	3.34E-01	4.52E+00	8.27E-01	3.92E-02	5.72E+00	3.25E-01	5.71E-05	8.27E-02	7.68E-03	4.15E-01
3858	485363.09	3852877.25	1.38E-01	4.48E-05	1.23E-01	1.71E-02	2.78E-01	1.82E-01	4.30E+00	1.23E+00	8.72E-02	5.80E+00	1.77E-01	5.43E-05	1.23E-01	1.71E-02	3.17E-01
3859	485863.09	3852877.25	1.03E-01	4.25E-05	3.35E-02	1.26E-02	1.49E-01	1.36E-01	4.08E+00	3.35E-01	6.45E-02	4.61E+00	1.32E-01	5.15E-05	3.35E-02	1.26E-02	1.78E-01
3860	486363.09	3852877.25	6.69E-02	3.26E-05	5.06E-02	7.85E-03	1.25E-01	8.83E-02	3.13E+00	5.06E-01	4.01E-02	3.76E+00	8.57E-02	3.95E-05	5.06E-02	7.85E-03	1.44E-01
3861	486863.09	3852877.25	5.78E-02	2.91E-05	4.96E-02	4.36E-03	1.12E-01	7.64E-02	2.79E+00	4.96E-01	2.23E-02	3.39E+00	7.42E-02	3.53E-05	4.96E-02	4.36E-03	1.28E-01
3862	487363.09	3852877.25	3.71E-02	4.20E-05	3.53E-02	5.37E-03	7.78E-02	4.90E-02	4.03E+00	3.53E-01	2.75E-02	4.46E+00	4.76E-02	5.09E-05	3.53E-02	5.37E-03	8.83E-02
3863	487863.09	3852877.25	3.60E-02	2.70E-05	2.53E-02	5.53E-03	6.69E-02	4.76E-02	2.59E+00	2.53E-01	2.82E-02	2.91E+00	4.62E-02	3.27E-05	2.53E-02	5.53E-03	7.71E-02
3864	488363.09	3852877.25	3.50E-02	2.02E-05	3.86E-02	6.48E-03	8.01E-02	4.63E-02	1.94E+00	3.86E-01	3.31E-02	2.41E+00	4.49E-02	2.45E-05	3.86E-02	6.48E-03	9.00E-02
3865	488863.09	3852877.25	3.43E-02	1.96E-05	2.59E-02	7.18E-03	6.75E-02	4.53E-02	1.88E+00	2.59E-01	3.67E-02	2.22E+00	4.40E-02	2.37E-05	2.59E-02	7.18E-03	7.71E-02
3866	489363.09	3852877.25	3.39E-02	1.49E-05	3.49E-02	5.26E-03	7.41E-02	4.47E-02	1.43E+00	3.49E-01	2.69E-02	1.85E+00	4.34E-02	1.81E-05	3.49E-02	5.26E-03	8.36E-02
3867	489863.09	3852877.25	3.09E-02	1.39E-05	3.78E-02	4.37E-03	7.31E-02	4.08E-02	1.34E+00	3.78E-01	2.23E-02	1.78E+00	3.96E-02	1.69E-05	3.78E-02	4.37E-03	8.18E-02
3868	490363.09	3852877.25	3.83E-02	1.56E-05	3.04E-02	5.68E-03	7.43E-02	5.06E-02	1.49E+00	3.04E-01	2.90E-02	1.88E+00	4.91E-02	1.89E-05	3.04E-02	5.68E-03	8.51E-02
3869	490863.09	3852877.25	4.72E-02	2.11E-05	3.73E-02	6.10E-03	9.06E-02	6.23E-02	2.02E+00	3.73E-01	3.11E-02	2.49E+00	6.05E-02	2.56E-05	3.73E-02	6.10E-03	1.04E-01
3870	491363.09	3852877.25	5.18E-02	2.51E-05	3.45E-02	6.36E-03	9.27E-02	6.85E-02	2.41E+00	3.45E-01	3.25E-02	2.85E+00	6.65E-02	3.04E-05	3.45E-02	6.36E-03	1.07E-01
3871	491863.09	3852877.25	4.95E-02	2.25E-05	3.50E-02	5.30E-03	8.99E-02	6.54E-02	2.16E+00	3.50E-01	2.71E-02	2.60E+00	6.35E-02	2.73E-05	3.50E-02	5.30E-03	1.04E-01
3872	492363.09	3852877.25	4.68E-02	2.10E-05	3.42E-02	4.76E-03	8.58E-02	6.18E-02	2.02E+00	3.42E-01	2.43E-02	2.44E+00	6.00E-02	2.55E-05	3.42E-02	4.76E-03	9.90E-02
3873	492863.09	3852877.25	5.72E-02	2.42E-05	3.14E-02	4.03E-03	9.27E-02	7.56E-02	2.32E+00	3.14E-01	2.06E-02	2.73E+00	7.34E-02	2.93E-05	3.14E-02	4.03E-03	1.09E-01
3874	493363.09	3852877.25	5.93E-02	3.22E-05	6.01E-02	4.42E-03	1.24E-01	7.84E-02	3.09E+00	6.01E-01	2.26E-02	3.79E+00	7.61E-02	3.90E-05	6.01E-02	4.42E-03	1.41E-01
3875	493863.09	3852877.25	5.51E-02	2.80E-05	3.13E-02	4.57E-03	9.10E-02	7.27E-02	2.68E+00	3.13E-01	2.33E-02	3.09E+00	7.06E-02	3.39E-05	3.13E-02	4.57E-03	1.06E-01
3876	494363.09	3852877.25	4.81E-02	2.12E-05	2.72E-02	4.01E-03	7.94E-02	6.35E-02	2.04E+00	2.72E-01	2.05E-02	2.39E+00	6.17E-02	2.57E-05	2.72E-02	4.01E-03	9.30E-02
3877	494863.09	3852877.25	5.16E-02	2.40E-05	2.25E-02	4.28E-03	7.85E-02	6.82E-02	2.30E+00	2.25E-01	2.19E-02	2.62E+00	6.62E-02	2.91E-05	2.25E-02	4.28E-03	9.30E-02
3878	495363.09	3852877.25	4.80E-02	2.17E-05	2.06E-02	4.28E-03	7.30E-02	6.35E-02	2.08E+00	2.06E-01	2.19E-02	2.37E+00	6.16E-02	2.63E-05	2.06E-02	4.28E-03	8.65E-02
3879	495863.09	3852877.25	4.36E-02	1.80E-05	1.83E-02	3.91E-03	6.59E-02	5.76E-02	1.73E+00	1.83E-01	2.00E-02	1.99E+00	5.59E-02	2.18E-05	1.83E-02	3.91E-03	7.82E-02
3880	496363.09	3852877.25	4.30E-02	1.54E-05	1.66E-02	4.01E-03	6.36E-02	5.67E-02	1.48E+00	1.66E-01	2.05E-02	1.72E+00	5.51E-02	1.87E-05	1.66E-02	4.01E-03	7.57E-02
3881	496863.09	3852877.25	3.88E-02	1.54E-05	2.13E-02	4.10E-03	6.42E-02	5.13E-02	1.48E+00	2.13E-01	2.09E-02	1.76E+00	4.98E-02	1.87E-05	2.13E-02	4.10E-03	7.52E-02
3882	497363.09	3852877.25	2.76E-02	1.50E-05	2.38E-02	4.05E-03	5.55E-02	3.65E-02	1.44E+00	2.38E-01	2.07E-02	1.73E+00	3.54E-02	1.82E-05	2.38E-02	4.05E-03	6.33E-02
3883	497863.09	3852877.25	2.48E-02	1.51E-05	2.67E-02	3.87E-03	5.53E-02	3.27E-02	1.45E+00	2.67E-01	1.98E-02	1.77E+00	3.18E-02	1.83E-05	2.67E-02	3.87E-03	6.23E-02
3884	498363.09	3852877.25	2.46E-02	1.51E-05	2.62E-02	3.50E-03	5.43E-02	3.25E-02	1.45E+00	2.62E-01	1.79E-02	1.76E+00	3.16E-02	1.84E-05	2.62E-02	3.50E-03	6.12E-02
3885	471363.09	3853377.25	5.65E-02	3.45E-05	1.85E-02	5.31E-03	8.03E-02	7.47E-02	3.31E+00	1.85E-01	2.71E-02	3.60E+00	7.25E-02	4.18E-05	1.85E-02	5.31E-03	9.63E-02
3886	471863.09	3853377.25	1.01E-01	3.10E-05	1.79E-02	5.29E-03	1.24E-01	1.34E-01	2.97E+00	1.79E-01	2.70E-02	3.31E+00	1.30E-01	3.75E-05	1.79E-02	5.29E-03	1.53E-01
3887	472363.09	3853377.25	1.02E-01	2.72E-05	1.71E-02	5.49E-03	1.25E-01	1.35E-01	2.61E+00	1.71E-01	2.80E-02	2.94E+00	1.31E-01	3.29E-05	1.71E-02	5.49E-03	1.53E-01
3888	472863.09	3853377.25	1.01E-01	2.78E-05	1.60E-02	5.82E-03	1.23E-01	1.34E-01	2.66E+00	1.60E-01	2.97E-02	2.99E+00	1.30E-01	3.37E-05	1.60E-02	5.82E-03	1.52E-01
3889	473363.09	3853377.25	9.87E-02	2.88E-05	1.56E-02	6.18E-03	1.21E-01	1.30E-01	2.76E+00	1.56E-01	3.15E-02	3.08E+00	1.27E-01	3.48E-05	1.56E-02	6.18E-03	1.48E-01
3890	473863.09	3853377.25	9.45E-02	3.28E-05	1.65E-02	6.59E-03	1.18E-01	1.25E-01	3.15E+00	1.65E-01	3.36E-02	3.47E+00	1.21E-01	3.97E-05	1.65E-02	6.59E-03	1.44E-01
3891	474363.09	3853377.25	8.85E-02	3.71E-05	1.86E-02	7.06E-03	1.14E-01	1.17E-01	3.56E+00	1.86E-01	3.61E-02	3.89E+00	1.13E-01	4.49E-05	1.86E-02	7.06E-03	1.39E-01
3892	474863.09	3853377.25	9.03E-02	3.36E-05	2.38E-02	7.56E-03	1.22E-01	1.19E-01	3.22E+00	2.38E-01	3.86E-02	3.62E+00	1.16E-01	4.07E-05	2.38E-02	7.56E-03	1.47E-01
3893	475363.09	3853377.25	9.07E-02	3.78E-05	3.33E-02	8.04E-03	1.32E-01	1.20E-01	3.63E+00	3.33E-01	4.11E-02	4.12E+00	1.16E-01	4.58E-05	3.33E-02	8.04E-03	1.58E-01
3894	475863.09	3853377.25	8.81E-02	4.37E-05	3.89E-02	8.38E-03	1.35E-01	1.16E-01	4.19E+00	3.89E-01	4.28E-02	4.74E+00	1.13E-01	5.29E-05	3.89E-02	8.38E-03	1.60E-01
3895	476363.09	3853377.25	8.23E-02	4.51E-05	3.35E-02	8.46E-03	1.24E-01	1.09E-01	4.32E+00	3.35E-01	4.32E-02	4.81E+00	1.06E-01	5.46E-05	3.35E-02	8.46E-03	1.48E-01
3896	476863.09	3853377.25	6.22E-02	4.65E-05	1.92E-02	8.22E-03	8.97E-02	8.22E-02	4.46E+00	1.92E-01	4.20E-02	4.78E+00	7.97E-02	5.63E-05	1.92E-02	8.22E-03	1.07E-01
3897	477363.09	3853377.25	5.91E-02	5.37E-05	2.34E-02	7.72E-03	9.03E-02	7.80E-02	5.15E+00	2.34E-01	3.95E-02	5.50E+00	7.57E-02	6.51E-05	2.34E-02	7.72E-03	1.07E-01
3898	477863.09	3853377.25	5.44E-02	5.50E-05	2.33E-02	7.08E-03	8.49E-02	7.19E-02	5.27E+00	2.33E-01	3.62E-02	5.61E+00	6.98E-02	6.66E-05	2.33E-02	7.08E-03	1.00E-01
3899	478363.09	3853377.25	4.80E-02	3.72E-05	1.20E-02	6.36E-03	6.64E-02	6.34E-02	3.57E+00	1.20E-01	3.25E-02	3.79E+00	6.15E-02	4.51E-05	1.20E-02	6.36E-03	8.00E-02
3900	478863.09	3853377.25	4.02E-02	3.14E-05	1.19E-02	5.50E-03	5.76E-02	5.30E-02	3.01E+00	1.19E-01	2.81E-02	3.21E+00	5.15E-02	3.80E-05	1.19E-02	5.50E-03	6.89E-02

3901	479363.09	3853377.25	5.86E-02	5.27E-05	1.21E-02	8.97E-03	7.98E-02	7.75E-02	5.06E+00	1.21E-01	4.58E-02	5.30E+00	7.52E-02	6.39E-05	1.21E-02	8.97E-03	9.63E-02
3902	479863.09	3853377.25	1.24E-01	7.43E-05	1.17E-02	1.21E-02	1.48E-01	1.64E-01	7.12E+00	1.17E-01	6.17E-02	7.46E+00	1.59E-01	9.00E-05	1.17E-02	1.21E-02	1.83E-01
3903	480363.09	3853377.25	2.34E-01	1.22E-04	1.24E-02	1.47E-02	2.62E-01	3.10E-01	1.17E+01	1.24E-01	7.49E-02	1.22E+01	3.00E-01	1.48E-04	1.24E-02	1.47E-02	3.28E-01
3904	480863.09	3853377.25	3.00E-01	1.09E-04	1.48E-02	1.53E-02	3.30E-01	3.96E-01	1.04E+01	1.48E-01	7.81E-02	1.10E+01	3.84E-01	1.31E-04	1.48E-02	1.53E-02	4.14E-01
3905	481363.09	3853377.25	3.51E-01	2.48E-04	2.12E-02	1.29E-02	3.86E-01	4.64E-01	2.38E+01	2.12E-01	6.57E-02	2.45E+01	4.50E-01	3.00E-04	2.12E-02	1.29E-02	4.85E-01
3906	481863.09	3853377.25	3.96E-01	2.65E-04	2.75E-02	8.50E-03	4.32E-01	5.23E-01	2.55E+01	2.75E-01	4.34E-02	2.63E+01	5.08E-01	3.22E-04	2.75E-02	8.50E-03	5.44E-01
3907	482363.09	3853377.25	4.02E-01	1.62E-04	3.09E-02	1.22E-02	4.45E-01	5.30E-01	1.55E+01	3.09E-01	6.25E-02	1.64E+01	5.15E-01	1.96E-04	3.09E-02	1.22E-02	5.58E-01
3908	482863.09	3853377.25	5.47E-01	1.70E-04	2.93E-02	1.05E-02	5.87E-01	7.23E-01	1.63E+01	2.93E-01	5.38E-02	1.74E+01	7.02E-01	2.06E-04	2.93E-02	1.05E-02	7.42E-01
3909	483363.09	3853377.25	6.61E-01	1.17E-04	2.25E-02	9.31E-03	6.93E-01	8.74E-01	1.12E+01	2.25E-01	4.76E-02	1.24E+01	8.48E-01	1.42E-04	2.25E-02	9.31E-03	8.80E-01
3910	483863.09	3853377.25	5.19E-01	7.92E-05	2.90E-02	1.17E-02	5.60E-01	6.86E-01	7.60E+00	2.90E-01	6.00E-02	8.64E+00	6.66E-01	9.60E-05	2.90E-02	1.17E-02	7.06E-01
3911	484363.09	3853377.25	3.19E-01	5.75E-05	4.64E-02	1.68E-02	3.83E-01	4.22E-01	5.51E+00	4.64E-01	8.58E-02	6.48E+00	4.10E-01	6.96E-05	4.64E-02	1.68E-02	4.73E-01
3912	484863.09	3853377.25	2.37E-01	4.65E-05	2.99E-02	1.56E-02	2.83E-01	3.14E-01	4.46E+00	2.99E-01	7.98E-02	5.15E+00	3.04E-01	5.63E-05	2.99E-02	1.56E-02	3.50E-01
3913	485363.09	3853377.25	1.10E-01	4.55E-05	1.67E-01	2.12E-02	2.98E-01	1.45E-01	4.37E+00	1.67E+00	1.08E-01	6.29E+00	1.41E-01	5.52E-05	1.67E-01	2.12E-02	3.29E-01
3914	485863.09	3853377.25	6.21E-02	3.98E-05	2.69E-02	6.91E-03	9.59E-02	8.20E-02	3.82E+00	2.69E-01	3.53E-02	4.21E+00	7.96E-02	4.83E-05	2.69E-02	6.91E-03	1.13E-01
3915	486363.09	3853377.25	7.27E-02	3.47E-05	4.21E-02	5.58E-03	1.20E-01	9.61E-02	3.33E+00	4.21E-01	2.85E-02	3.88E+00	9.33E-02	4.21E-05	4.21E-02	5.58E-03	1.41E-01
3916	486863.09	3853377.25	5.52E-02	2.75E-05	3.64E-02	6.55E-03	9.82E-02	7.29E-02	2.64E+00	3.64E-01	3.34E-02	3.11E+00	7.07E-02	3.33E-05	3.64E-02	6.55E-03	1.14E-01
3917	487363.09	3853377.25	3.69E-02	4.22E-05	5.72E-02	5.88E-03	1.00E-01	4.88E-02	4.05E+00	5.72E-01	3.00E-02	4.70E+00	4.73E-02	5.11E-05	5.72E-02	5.88E-03	1.10E-01
3918	487863.09	3853377.25	3.79E-02	3.04E-05	2.69E-02	5.09E-03	6.99E-02	5.01E-02	2.91E+00	2.69E-01	2.60E-02	3.26E+00	4.86E-02	3.68E-05	2.69E-02	5.09E-03	8.06E-02
3919	488363.09	3853377.25	3.95E-02	2.91E-05	3.39E-02	6.16E-03	7.96E-02	5.21E-02	2.79E+00	3.39E-01	3.15E-02	3.21E+00	5.06E-02	3.52E-05	3.39E-02	6.16E-03	9.07E-02
3920	488863.09	3853377.25	4.77E-02	2.40E-05	2.91E-02	6.70E-03	8.35E-02	6.30E-02	2.30E+00	2.91E-01	3.42E-02	2.69E+00	6.11E-02	2.91E-05	2.91E-02	6.70E-03	9.70E-02
3921	489363.09	3853377.25	5.78E-02	2.24E-05	4.73E-02	8.80E-03	1.14E-01	7.63E-02	2.15E+00	4.73E-01	4.50E-02	2.74E+00	7.41E-02	2.71E-05	4.73E-02	8.80E-03	1.30E-01
3922	489863.09	3853377.25	5.96E-02	2.23E-05	3.86E-02	8.53E-03	1.07E-01	7.87E-02	2.14E+00	3.86E-01	4.36E-02	2.65E+00	7.64E-02	2.70E-05	3.86E-02	8.53E-03	1.24E-01
3923	490363.09	3853377.25	6.38E-02	2.28E-05	6.52E-02	8.01E-03	1.37E-01	8.43E-02	2.19E+00	6.52E-01	4.09E-02	2.97E+00	8.18E-02	2.76E-05	6.52E-02	8.01E-03	1.55E-01
3924	490863.09	3853377.25	6.56E-02	2.52E-05	4.04E-02	6.96E-03	1.13E-01	8.66E-02	2.42E+00	4.04E-01	3.55E-02	2.94E+00	8.40E-02	3.05E-05	4.04E-02	6.96E-03	1.31E-01
3925	491363.09	3853377.25	6.11E-02	2.41E-05	3.25E-02	5.29E-03	9.89E-02	8.07E-02	2.32E+00	3.25E-01	2.70E-02	2.75E+00	7.83E-02	2.93E-05	3.25E-02	5.29E-03	1.16E-01
3926	491863.09	3853377.25	6.18E-02	2.14E-05	3.71E-02	5.07E-03	1.04E-01	8.16E-02	2.06E+00	3.71E-01	2.59E-02	2.53E+00	7.92E-02	2.60E-05	3.71E-02	5.07E-03	1.21E-01
3927	492363.09	3853377.25	6.47E-02	2.49E-05	3.96E-02	4.52E-03	1.09E-01	8.55E-02	2.39E+00	3.96E-01	2.31E-02	2.90E+00	8.30E-02	3.02E-05	3.96E-02	4.52E-03	1.27E-01
3928	492863.09	3853377.25	7.35E-02	3.17E-05	9.90E-02	4.25E-03	1.77E-01	9.70E-02	3.04E+00	9.90E-01	2.17E-02	4.15E+00	9.42E-02	3.84E-05	9.90E-02	4.25E-03	1.98E-01
3929	493363.09	3853377.25	7.72E-02	3.04E-05	4.50E-02	4.75E-03	1.27E-01	1.02E-01	2.91E+00	4.50E-01	2.43E-02	3.49E+00	9.90E-02	3.68E-05	4.50E-02	4.75E-03	1.49E-01
3930	493863.09	3853377.25	7.77E-02	2.51E-05	5.62E-02	4.19E-03	1.38E-01	1.03E-01	2.41E+00	5.62E-01	2.14E-02	3.09E+00	9.96E-02	3.04E-05	5.62E-02	4.19E-03	1.60E-01
3931	494363.09	3853377.25	7.14E-02	2.65E-05	2.38E-02	4.44E-03	9.97E-02	9.43E-02	2.54E+00	2.38E-01	2.27E-02	2.89E+00	9.15E-02	3.21E-05	2.38E-02	4.44E-03	1.20E-01
3932	494863.09	3853377.25	6.25E-02	2.32E-05	2.58E-02	4.52E-03	9.29E-02	8.26E-02	2.22E+00	2.58E-01	2.31E-02	2.59E+00	8.01E-02	2.81E-05	2.58E-02	4.52E-03	1.11E-01
3933	495363.09	3853377.25	5.87E-02	1.96E-05	2.81E-02	4.61E-03	9.14E-02	7.75E-02	1.88E+00	2.81E-01	2.36E-02	2.26E+00	7.53E-02	2.37E-05	2.81E-02	4.61E-03	1.08E-01
3934	495863.09	3853377.25	5.21E-02	1.69E-05	2.95E-02	4.37E-03	8.60E-02	6.89E-02	1.62E+00	2.95E-01	2.23E-02	2.01E+00	6.68E-02	2.05E-05	2.95E-02	4.37E-03	1.01E-01
3935	496363.09	3853377.25	4.32E-02	1.59E-05	3.37E-02	4.11E-03	8.10E-02	5.70E-02	1.52E+00	3.37E-01	2.10E-02	1.94E+00	5.53E-02	1.93E-05	3.37E-02	4.11E-03	9.32E-02
3936	496863.09	3853377.25	3.28E-02	1.58E-05	3.63E-02	4.04E-03	7.32E-02	4.34E-02	1.52E+00	3.63E-01	2.06E-02	1.95E+00	4.21E-02	1.92E-05	3.63E-02	4.04E-03	8.24E-02
3937	497363.09	3853377.25	2.72E-02	1.57E-05	2.82E-02	3.88E-03	5.93E-02	3.59E-02	1.50E+00	2.82E-01	1.98E-02	1.84E+00	3.49E-02	1.90E-05	2.82E-02	3.88E-03	6.70E-02
3938	497863.09	3853377.25	2.38E-02	1.78E-05	1.72E-02	3.45E-03	4.44E-02	3.14E-02	1.71E+00	1.72E-01	1.76E-02	1.93E+00	3.05E-02	2.16E-05	1.72E-02	3.45E-03	5.11E-02
3939	498363.09	3853377.25	2.27E-02	1.95E-05	1.29E-02	2.70E-03	3.84E-02	3.00E-02	1.87E+00	1.29E-01	1.38E-02	2.04E+00	2.91E-02	2.36E-05	1.29E-02	2.70E-03	4.48E-02
3940	471363.09	3853877.25	5.22E-02	3.72E-05	2.52E-02	5.32E-03	8.27E-02	6.89E-02	3.57E+00	2.52E-01	2.72E-02	3.92E+00	6.69E-02	4.51E-05	2.52E-02	5.32E-03	9.74E-02
3941	471863.09	3853877.25	8.20E-02	3.92E-05	3.11E-02	5.44E-03	1.19E-01	1.08E-01	3.76E+00	3.11E-01	2.78E-02	4.21E+00	1.05E-01	4.75E-05	3.11E-02	5.44E-03	1.42E-01
3942	472363.09	3853877.25	8.91E-02	3.97E-05	3.12E-02	5.54E-03	1.26E-01	1.18E-01	3.80E+00	3.12E-01	2.83E-02	4.26E+00	1.14E-01	4.80E-05	3.12E-02	5.54E-03	1.51E-01
3943	472863.09	3853877.25	9.55E-02	3.81E-05	3.08E-02	5.64E-03	1.32E-01	1.26E-01	3.66E+00	3.08E-01	2.88E-02	4.12E+00	1.22E-01	4.62E-05	3.08E-02	5.64E-03	1.59E-01
3944	473363.09	3853877.25	1.01E-01	3.50E-05	2.57E-02	5.70E-03	1.32E-01	1.33E-01	3.36E+00	2.57E-01	2.91E-02	3.77E+00	1.29E-01	4.24E-05	2.57E-02	5.70E-03	1.61E-01
3945	473863.09	3853877.25	1.05E-01	3.10E-05	1.98E-02	5.75E-03	1.31E-01	1.39E-01	2.97E+00	1.98E-01	2.94E-02	3.34E+00	1.35E-01	3.75E-05	1.98E-02	5.75E-03	1.60E-01
3946	474363.09	3853877.25	1.08E-01	3.00E-05	1.82E-02	6.18E-03	1.32E-01	1.42E-01	2.88E+00	1.82E-01	3.15E-02	3.23E+00	1.38E-01	3.64E-05	1.82E-02	6.18E-03	1.63E-01
3947	474863.09	3853877.25	1.09E-01	3.09E-05	1.72E-02	6.42E-03	1.33E-01	1.44E-01	2.96E+00	1.72E-01	3.28E-02	3.31E+00	1.40E-01	3.74E-05	1.72E-02	6.42E-03	1.63E-01
3948	475363.09	3853877.25	1.08E-01	3.02E-05	1.80E-02	6.84E-03	1.33E-01	1.43E-01	2.90E+00	1.80E-01	3.50E-02	3.26E+00	1.39E-01	3.66E-05	1.80E-02	6.84E-03	1.64E-01
3949	475863.09	3853877.25	8.54E-02	3.27E-05	2.03E-02	7.35E-03	1.13E-01	1.13E-01	3.13E+00	2.03E-01	3.76E-02	3.49E+00	1.10E-01	3.96E-05	2.03E-02	7.35E-03	1.37E-01
3950	476363.09	3853877.25	6.60E-02	3.46E-05	2.20E-02	7.92E-03	9.59E-02	8.72E-02	3.32E+00	2.20E-01	4.05E-02	3.67E+00	8.46E-02	4.19E-05	2.20E-02	7.92E-03	1.15E-01
3951	476863.09	3853877.25	6.68E-02	3.56E-05	1.66E-02	8.43E-03	9.19E-02	8.83E-02	3.42E+00	1.66E-01	4.30E-02	3.71E+00	8.57E-02	4.31E-05	1.66E-02	8.43E-03	1.11E-01
3952	477363.09	3853877.25	6.69E-02	3.61E-05	1.63E-02	8.75E-03	9.20E-02	8.84E-02	3.46E+00	1.63E-01	4.47E-02	3.76E+00	8.58E-02	4.37E-05	1.63E-02	8.75E-03	1.11E-01
3953	477863.09	3853877.25	6.62E-02	3.98E-05	1.53E-02	8.69E-03	9.02E-02	8.75E-02	3.81E+00	1.53E-01	4.44E-02	4.10E+00	8.49E-02	4.82E-05	1.53E-02	8.69E-03	1.09E-01
3954	478363.09	3853877.25	6.36E-02	4.95E-05	1.60E-02	8.21E-03	8.79E-02	8.40E-02	4.75E+00	1.60E-01	4.19E-02	5.03E+00	8.16E-02	6.00E-05	1.60E-02	8.21E-03	1.06E-01
3955	478863.09	3853877.25	5.68E-02	3.81E-05	1.11E-02	7.41E-03	7.53E-02	7.50E-02	3.65E+00	1.11E-01	3.78E-02	3.87E+00	7.28E-02	4.61E-05	1.11E-02	7.41E-03	9.14E-02
3956	479363.09	3853877.25	4.77E-02	3.96E-05	1.20E-02	6.58E-03	6.64E-02	6.30E-02	3.79E+00	1.20E-01	3.36E-02	4.01E+00	6.12E-02	4.79E-05	1.20E-02	6.58E-03	7.98E-02
3957	479863.09	3853877.25	8.58E-02	6.45E-05	1.52E-02	8.40E-03	1.09E-01	1.13E-01	6.18E+00	1.52E-01	4.29E-02	6.49E+00	1.10E-01	7.81E-05	1.52E-02	8.40E-03	1.34E-01
3958	480363.09	3853877.25	1.97E-01	8.08E-05	1.31E-02	1.19E-02	2.22E-01	2.60E-01	7.75E+00	1.31E-01	6.09E-02	8.21E+00	2.53E-01	9.79E-05	1.31E-02	1.19E-02	2.78E-01
3959	480863.09	3853877.25	3.43E-01	1.36E-04	1.25E-02	1.54E-02	3.72E-01	4.54E-01	1.30E+01	1.25E-01	7.86E-02	1.37E+01	4.40E-01	1.64E-04	1.25E-02	1.54E-02	4.68E-01
3960	481363.09	3853877.25	3.34E-01	2.17E-04	1.36E-02	1.69E-02	3.64E-01	4.41E-01	2.08E+01	1.36E-01	8.65E-02	2.15E+01	4.28E-01	2.63E-04	1.36E-02	1.69E-02	4.59E-01
3961	481863.09	3853877.25	4.14E-01	4.34E-04	2.04E-02	1.47E-02	4.49E-01	5.46E-01	4.16E+01	2.04E-01	7.51E-02	4.24E+01	5.30E-01	5.25E-04	2.04E-02	1.47E-02	5.66E-01

3962	482363.09	3853877.25	4.51E-01	2.96E-04	2.79E-02	1.96E-02	4.98E-01	5.95E-01	2.84E+01	2.79E-01	1.00E-01	2.94E+01	5.78E-01	3.59E-04	2.79E-02	1.96E-02	6.26E-01
3963	482863.09	3853877.25	6.12E-01	1.86E-04	3.32E-02	1.37E-02	6.60E-01	8.09E-01	1.78E+01	3.32E-01	7.01E-02	1.90E+01	7.85E-01	2.25E-04	3.32E-02	1.37E-02	8.32E-01
3964	483363.09	3853877.25	7.64E-01	1.46E-04	3.26E-02	1.05E-02	8.07E-01	1.01E+00	1.40E+01	3.26E-01	5.36E-02	1.54E+01	9.79E-01	1.77E-04	3.26E-02	1.05E-02	1.02E+00
3965	483863.09	3853877.25	7.19E-01	1.18E-04	2.54E-02	1.11E-02	7.55E-01	9.50E-01	1.13E+01	2.54E-01	5.69E-02	1.25E+01	9.22E-01	1.42E-04	2.54E-02	1.11E-02	9.58E-01
3966	484363.09	3853877.25	5.25E-01	6.58E-05	4.82E-02	1.67E-02	5.90E-01	6.93E-01	6.31E+00	4.82E-01	8.54E-02	7.57E+00	6.73E-01	7.97E-05	4.82E-02	1.67E-02	7.38E-01
3967	484863.09	3853877.25	1.69E-01	4.34E-05	8.84E-02	2.05E-02	2.78E-01	2.23E-01	4.16E+00	8.84E-01	1.05E-01	5.38E+00	2.16E-01	5.26E-05	8.84E-02	2.05E-02	3.25E-01
3968	485363.09	3853877.25	7.77E-02	3.50E-05	6.05E-02	1.22E-02	1.50E-01	1.03E-01	3.35E+00	6.05E-01	6.21E-02	4.12E+00	9.97E-02	4.24E-05	6.05E-02	1.22E-02	1.72E-01
3969	485863.09	3853877.25	1.05E-01	3.95E-05	1.32E-01	1.36E-02	2.51E-01	1.38E-01	3.78E+00	1.32E+00	6.97E-02	5.31E+00	1.34E-01	4.78E-05	1.32E-01	1.36E-02	2.80E-01
3970	486363.09	3853877.25	8.62E-02	3.70E-05	4.16E-02	1.48E-02	1.43E-01	1.14E-01	3.55E+00	4.16E-01	7.54E-02	4.15E+00	1.11E-01	4.48E-05	4.16E-02	1.48E-02	1.67E-01
3971	486863.09	3853877.25	6.23E-02	2.93E-05	5.66E-02	7.18E-03	1.26E-01	8.23E-02	2.81E+00	5.66E-01	3.67E-02	3.50E+00	7.99E-02	3.55E-05	5.66E-02	7.18E-03	1.44E-01
3972	487363.09	3853877.25	4.81E-02	4.19E-05	9.90E-02	6.80E-03	1.54E-01	6.36E-02	4.02E+00	9.90E-01	3.47E-02	5.10E+00	6.17E-02	5.07E-05	9.90E-02	6.80E-03	1.68E-01
3973	487863.09	3853877.25	7.16E-02	3.36E-05	2.86E-02	9.74E-03	1.10E-01	9.46E-02	3.22E+00	2.86E-01	4.97E-02	3.65E+00	9.18E-02	4.07E-05	2.86E-02	9.74E-03	1.30E-01
3974	488363.09	3853877.25	8.82E-02	3.43E-05	3.61E-02	1.11E-02	1.35E-01	1.16E-01	3.29E+00	3.61E-01	5.69E-02	3.82E+00	1.13E-01	4.15E-05	3.61E-02	1.11E-02	1.60E-01
3975	488863.09	3853877.25	9.93E-02	3.29E-05	3.45E-02	1.06E-02	1.44E-01	1.31E-01	3.16E+00	3.45E-01	5.42E-02	3.69E+00	1.27E-01	3.99E-05	3.45E-02	1.06E-02	1.72E-01
3976	489363.09	3853877.25	8.99E-02	2.64E-05	5.45E-02	9.13E-03	1.54E-01	1.19E-01	2.53E+00	5.45E-01	4.66E-02	3.24E+00	1.15E-01	3.20E-05	5.45E-02	9.13E-03	1.79E-01
3977	489863.09	3853877.25	8.94E-02	2.53E-05	1.25E-01	7.66E-03	2.22E-01	1.18E-01	2.43E+00	1.25E+00	3.91E-02	3.84E+00	1.15E-01	3.07E-05	1.25E-01	7.66E-03	2.48E-01
3978	490363.09	3853877.25	8.41E-02	2.50E-05	1.10E-01	6.07E-03	2.00E-01	1.11E-01	2.40E+00	1.10E+00	3.10E-02	3.64E+00	1.08E-01	3.03E-05	1.10E-01	6.07E-03	2.24E-01
3979	490863.09	3853877.25	8.72E-02	2.58E-05	3.68E-02	5.86E-03	1.30E-01	1.15E-01	2.47E+00	3.68E-01	2.99E-02	2.98E+00	1.12E-01	3.12E-05	3.68E-02	5.86E-03	1.55E-01
3980	491363.09	3853877.25	9.24E-02	2.81E-05	3.93E-02	7.84E-03	1.40E-01	1.22E-01	2.70E+00	3.93E-01	4.00E-02	3.25E+00	1.18E-01	3.41E-05	3.93E-02	7.84E-03	1.66E-01
3981	491863.09	3853877.25	9.45E-02	2.96E-05	7.26E-02	5.94E-03	1.73E-01	1.25E-01	2.84E+00	7.26E-01	3.03E-02	3.72E+00	1.21E-01	3.59E-05	7.26E-02	5.94E-03	2.00E-01
3982	492363.09	3853877.25	1.03E-01	3.08E-05	1.23E-01	7.34E-03	2.34E-01	1.36E-01	2.95E+00	1.23E+00	3.75E-02	4.36E+00	1.32E-01	3.73E-05	1.23E-01	7.34E-03	2.63E-01
3983	492863.09	3853877.25	1.05E-01	3.26E-05	7.95E-02	7.57E-03	1.92E-01	1.39E-01	3.13E+00	7.95E-01	3.87E-02	4.10E+00	1.35E-01	3.95E-05	7.95E-02	7.57E-03	2.22E-01
3984	493363.09	3853877.25	1.00E-01	2.75E-05	8.36E-02	6.57E-03	1.91E-01	1.33E-01	2.64E+00	8.36E-01	3.36E-02	3.64E+00	1.29E-01	3.33E-05	8.36E-02	6.57E-03	2.19E-01
3985	493863.09	3853877.25	9.27E-02	2.90E-05	3.03E-02	5.09E-03	1.28E-01	1.23E-01	2.78E+00	3.03E-01	2.60E-02	3.23E+00	1.19E-01	3.51E-05	3.03E-02	5.09E-03	1.54E-01
3986	494363.09	3853877.25	8.74E-02	2.60E-05	5.89E-02	5.06E-03	1.51E-01	1.15E-01	2.50E+00	5.89E-01	2.59E-02	3.23E+00	1.12E-01	3.15E-05	5.89E-02	5.06E-03	1.76E-01
3987	494863.09	3853877.25	7.78E-02	2.19E-05	4.76E-02	4.98E-03	1.30E-01	1.03E-01	2.10E+00	4.76E-01	2.55E-02	2.71E+00	9.97E-02	2.66E-05	4.76E-02	4.98E-03	1.52E-01
3988	495363.09	3853877.25	5.62E-02	1.78E-05	4.51E-02	4.89E-03	1.06E-01	7.43E-02	1.71E+00	4.51E-01	2.50E-02	2.26E+00	7.21E-02	2.16E-05	4.51E-02	4.89E-03	1.22E-01
3989	495863.09	3853877.25	4.55E-02	1.60E-05	4.38E-02	4.17E-03	9.35E-02	6.00E-02	1.54E+00	4.38E-01	2.13E-02	2.05E+00	5.83E-02	1.94E-05	4.38E-02	4.17E-03	1.06E-01
3990	496363.09	3853877.25	3.99E-02	1.75E-05	3.35E-02	4.25E-03	7.77E-02	5.27E-02	1.68E+00	3.35E-01	2.17E-02	2.09E+00	5.12E-02	2.12E-05	3.35E-02	4.25E-03	8.90E-02
3991	496863.09	3853877.25	3.28E-02	1.95E-05	2.67E-02	4.29E-03	6.38E-02	4.33E-02	1.87E+00	2.67E-01	2.19E-02	2.20E+00	4.20E-02	2.36E-05	2.67E-02	4.29E-03	7.30E-02
3992	497363.09	3853877.25	2.72E-02	2.05E-05	2.11E-02	4.25E-03	5.26E-02	3.60E-02	1.97E+00	2.11E-01	2.17E-02	2.24E+00	3.49E-02	2.49E-05	2.11E-02	4.25E-03	6.03E-02
3993	497863.09	3853877.25	2.20E-02	2.00E-05	1.59E-02	4.16E-03	4.21E-02	2.91E-02	1.92E+00	1.59E-01	2.12E-02	2.13E+00	2.83E-02	2.42E-05	1.59E-02	4.16E-03	4.83E-02
3994	498363.09	3853877.25	1.94E-02	1.95E-05	1.65E-02	3.00E-03	3.89E-02	2.56E-02	1.87E+00	1.65E-01	1.53E-02	2.08E+00	2.49E-02	2.36E-05	1.65E-02	3.00E-03	4.43E-02
3995	471363.09	3854377.25	4.95E-02	3.40E-05	1.82E-02	5.14E-03	7.29E-02	6.54E-02	3.26E+00	1.82E-01	2.62E-02	3.54E+00	6.35E-02	4.12E-05	1.82E-02	5.14E-03	8.69E-02
3996	471863.09	3854377.25	5.33E-02	3.41E-05	2.56E-02	5.30E-03	8.42E-02	7.03E-02	3.27E+00	2.56E-01	2.71E-02	3.62E+00	6.83E-02	4.13E-05	2.56E-02	5.30E-03	9.93E-02
3997	472363.09	3854377.25	5.52E-02	3.38E-05	3.26E-02	5.46E-03	9.33E-02	7.29E-02	3.25E+00	3.26E-01	2.79E-02	3.67E+00	7.08E-02	4.10E-05	3.26E-02	5.46E-03	1.09E-01
3998	472863.09	3854377.25	5.89E-02	3.44E-05	3.73E-02	5.60E-03	1.02E-01	7.78E-02	3.30E+00	3.73E-01	2.86E-02	3.78E+00	7.55E-02	4.17E-05	3.73E-02	5.60E-03	1.18E-01
3999	473363.09	3854377.25	6.75E-02	3.80E-05	4.24E-02	5.75E-03	1.16E-01	8.91E-02	3.64E+00	4.24E-01	2.94E-02	4.18E+00	8.65E-02	4.60E-05	4.24E-02	5.75E-03	1.35E-01
4000	473863.09	3854377.25	7.63E-02	4.06E-05	4.64E-02	5.89E-03	1.29E-01	1.01E-01	3.89E+00	4.64E-01	3.01E-02	4.49E+00	9.79E-02	4.91E-05	4.64E-02	5.89E-03	1.50E-01
4001	474363.09	3854377.25	8.50E-02	4.10E-05	4.61E-02	6.03E-03	1.37E-01	1.12E-01	3.93E+00	4.61E-01	3.08E-02	4.54E+00	1.09E-01	4.97E-05	4.61E-02	6.03E-03	1.61E-01
4002	474863.09	3854377.25	9.28E-02	3.90E-05	3.28E-02	6.08E-03	1.32E-01	1.23E-01	3.75E+00	3.28E-01	3.11E-02	4.23E+00	1.19E-01	4.73E-05	3.28E-02	6.08E-03	1.58E-01
4003	475363.09	3854377.25	6.15E-02	3.54E-05	2.36E-02	6.10E-03	9.13E-02	8.13E-02	3.39E+00	2.36E-01	3.12E-02	3.74E+00	7.89E-02	4.28E-05	2.36E-02	6.10E-03	1.09E-01
4004	475863.09	3854377.25	5.42E-02	3.09E-05	2.12E-02	6.23E-03	8.17E-02	7.16E-02	2.96E+00	2.12E-01	3.18E-02	3.28E+00	6.95E-02	3.74E-05	2.12E-02	6.23E-03	9.70E-02
4005	476363.09	3854377.25	5.68E-02	2.99E-05	1.97E-02	6.55E-03	8.31E-02	7.50E-02	2.87E+00	1.97E-01	3.35E-02	3.18E+00	7.28E-02	3.63E-05	1.97E-02	6.55E-03	9.91E-02
4006	476863.09	3854377.25	5.86E-02	3.34E-05	1.78E-02	6.99E-03	8.34E-02	7.74E-02	3.20E+00	1.78E-01	3.57E-02	3.49E+00	7.52E-02	4.05E-05	1.78E-02	6.99E-03	1.00E-01
4007	477363.09	3854377.25	6.11E-02	3.65E-05	1.62E-02	7.56E-03	8.49E-02	8.07E-02	3.50E+00	1.62E-01	3.86E-02	3.78E+00	7.83E-02	4.42E-05	1.62E-02	7.56E-03	1.02E-01
4008	477863.09	3854377.25	6.50E-02	3.84E-05	1.75E-02	8.22E-03	9.08E-02	8.59E-02	3.68E+00	1.75E-01	4.20E-02	3.98E+00	8.33E-02	4.65E-05	1.75E-02	8.22E-03	1.09E-01
4009	478363.09	3854377.25	6.66E-02	3.93E-05	1.80E-02	8.82E-03	9.35E-02	8.80E-02	3.77E+00	1.80E-01	4.51E-02	4.08E+00	8.54E-02	4.76E-05	1.80E-02	8.82E-03	1.12E-01
4010	478863.09	3854377.25	6.71E-02	3.94E-05	1.74E-02	9.05E-03	9.36E-02	8.86E-02	3.78E+00	1.74E-01	4.62E-02	4.09E+00	8.60E-02	4.78E-05	1.74E-02	9.05E-03	1.13E-01
4011	479363.09	3854377.25	6.72E-02	6.44E-05	2.10E-02	8.74E-03	9.70E-02	8.88E-02	6.18E+00	2.10E-01	4.47E-02	6.52E+00	8.62E-02	7.81E-05	2.10E-02	8.74E-03	1.16E-01
4012	479863.09	3854377.25	9.84E-02	7.59E-05	3.65E-02	7.88E-03	1.43E-01	1.30E-01	7.28E+00	3.65E-01	4.02E-02	7.81E+00	1.26E-01	9.19E-05	3.65E-02	7.88E-03	1.71E-01
4013	480363.09	3854377.25	1.06E-01	8.48E-05	4.04E-02	7.64E-03	1.54E-01	1.40E-01	8.13E+00	4.04E-01	3.90E-02	8.72E+00	1.36E-01	1.03E-04	4.04E-02	7.64E-03	1.84E-01
4014	480863.09	3854377.25	1.86E-01	1.07E-04	2.53E-02	1.14E-02	2.23E-01	2.46E-01	1.03E+01	2.53E-01	5.85E-02	1.08E+01	2.39E-01	1.30E-04	2.53E-02	1.14E-02	2.76E-01
4015	481363.09	3854377.25	3.35E-01	1.70E-04	1.44E-02	1.59E-02	3.65E-01	4.42E-01	1.63E+01	1.44E-01	8.12E-02	1.69E+01	4.29E-01	2.06E-04	1.44E-02	1.59E-02	4.60E-01
4016	481863.09	3854377.25	4.15E-01	4.19E-04	1.35E-02	1.85E-02	4.48E-01	5.49E-01	4.01E+01	1.35E-01	9.47E-02	4.09E+01	5.33E-01	5.07E-04	1.35E-02	1.85E-02	5.65E-01
4017	482363.09	3854377.25	4.98E-01	5.00E-04	1.89E-02	1.94E-02	5.37E-01	6.58E-01	4.80E+01	1.89E-01	9.90E-02	4.89E+01	6.38E-01	6.06E-04	1.89E-02	1.94E-02	6.77E-01
4018	482863.09	3854377.25	6.58E-01	3.12E-04	2.77E-02	1.92E-02	7.05E-01	8.70E-01	3.00E+01	2.77E-01	9.79E-02	3.12E+01	8.44E-01	3.78E-04	2.77E-02	1.92E-02	8.91E-01
4019	483363.09	3854377.25	9.04E-01	1.69E-04	3.53E-02	2.06E-02	9.60E-01	1.19E+00	1.62E+01	3.53E-01	1.05E-01	1.78E+01	1.16E+00	2.04E-04	3.53E-02	2.06E-02	1.21E+00
4020	483863.09	3854377.25	1.02E+00	1.15E-04	3.65E-02	1.44E-02	1.07E+00	1.35E+00	1.10E+01	3.65E-01	7.35E-02	1.28E+01	1.31E+00	1.39E-04	3.65E-02	1.44E-02	1.36E+00
4021	484363.09	3854377.25	5.40E-01	6.44E-05	2.88E-02	1.68E-02	5.86E-01	7.14E-01	6.18E+00	2.88E-01	8.61E-02	7.27E+00	6.93E-01	7.81E-05	2.88E-02	1.68E-02	7.38E-01
4022	484863.09	3854377.25	1.84E-01	3.70E-05	1.15E-01	2.23E-02	3.21E-01	2.43E-01	3.55E+00	1.15E+00	1.14E-01	5.05E+00	2.36E-01	4.48E-05	1.15E-01	2.23E-02	3.73E-01

4023	485363.09	3854377.25	1.64E-01	4.80E-05	6.88E-02	1.49E-02	2.47E-01	2.16E-01	4.60E+00	6.88E-01	7.63E-02	5.58E+00	2.10E-01	5.82E-05	6.88E-02	1.49E-02	2.94E-01
4024	485863.09	3854377.25	1.08E-01	3.82E-05	1.60E-01	2.49E-02	2.94E-01	1.43E-01	3.66E+00	1.60E+00	1.27E-01	5.54E+00	1.39E-01	4.63E-05	1.60E-01	2.49E-02	3.24E-01
4025	486363.09	3854377.25	1.04E-01	4.42E-05	5.97E-02	1.33E-02	1.77E-01	1.37E-01	4.23E+00	5.97E-01	6.81E-02	5.04E+00	1.33E-01	5.35E-05	5.97E-02	1.33E-02	2.06E-01
4026	486863.09	3854377.25	9.95E-02	3.22E-05	8.21E-02	1.79E-02	1.99E-01	1.31E-01	3.08E+00	8.21E-01	9.12E-02	4.13E+00	1.28E-01	3.90E-05	8.21E-02	1.79E-02	2.28E-01
4027	487363.09	3854377.25	1.12E-01	4.10E-05	1.72E-01	1.83E-02	3.02E-01	1.48E-01	3.93E+00	1.72E+00	9.33E-02	5.89E+00	1.44E-01	4.97E-05	1.72E-01	1.83E-02	3.34E-01
4028	487863.09	3854377.25	1.21E-01	3.66E-05	3.04E-02	1.76E-02	1.69E-01	1.59E-01	3.51E+00	3.04E-01	9.00E-02	4.06E+00	1.55E-01	4.43E-05	3.04E-02	1.76E-02	2.03E-01
4029	488363.09	3854377.25	1.31E-01	4.05E-05	3.52E-02	1.60E-02	1.82E-01	1.73E-01	3.88E+00	3.52E-01	8.17E-02	4.49E+00	1.68E-01	4.90E-05	3.52E-02	1.60E-02	2.19E-01
4030	488863.09	3854377.25	1.46E-01	3.46E-05	4.42E-02	1.30E-02	2.03E-01	1.92E-01	3.32E+00	4.42E-01	6.66E-02	4.02E+00	1.87E-01	4.19E-05	4.42E-02	1.30E-02	2.44E-01
4031	489363.09	3854377.25	1.48E-01	3.32E-05	1.05E-01	1.10E-02	2.63E-01	1.95E-01	3.18E+00	1.05E+00	5.64E-02	4.48E+00	1.89E-01	4.02E-05	1.05E-01	1.10E-02	3.05E-01
4032	489863.09	3854377.25	1.43E-01	3.40E-05	2.45E-01	9.03E-03	3.97E-01	1.89E-01	3.26E+00	2.45E+00	4.61E-02	5.95E+00	1.83E-01	4.12E-05	2.45E-01	9.03E-03	4.38E-01
4033	490363.09	3854377.25	1.34E-01	3.41E-05	6.14E-02	1.03E-02	2.05E-01	1.77E-01	3.27E+00	6.14E-01	5.28E-02	4.12E+00	1.71E-01	4.13E-05	6.14E-02	1.03E-02	2.43E-01
4034	490863.09	3854377.25	8.94E-02	2.79E-05	3.94E-02	1.10E-02	1.40E-01	1.18E-01	2.68E+00	3.94E-01	5.59E-02	3.25E+00	1.15E-01	3.38E-05	3.94E-02	1.10E-02	1.65E-01
4035	491363.09	3854377.25	1.11E-01	3.09E-05	1.06E-01	8.13E-03	2.26E-01	1.47E-01	2.96E+00	1.06E+00	4.15E-02	4.22E+00	1.43E-01	3.75E-05	1.06E-01	8.13E-03	2.57E-01
4036	491863.09	3854377.25	1.26E-01	3.14E-05	1.75E-01	8.81E-03	3.10E-01	1.67E-01	3.01E+00	1.75E+00	4.50E-02	4.97E+00	1.62E-01	3.80E-05	1.75E-01	8.81E-03	3.45E-01
4037	492363.09	3854377.25	1.33E-01	3.45E-05	1.13E-01	9.85E-03	2.56E-01	1.75E-01	3.31E+00	1.13E+00	5.03E-02	4.67E+00	1.70E-01	4.19E-05	1.13E-01	9.85E-03	2.93E-01
4038	492863.09	3854377.25	1.29E-01	3.52E-05	8.98E-02	9.18E-03	2.28E-01	1.71E-01	3.37E+00	8.98E-01	4.69E-02	4.49E+00	1.66E-01	4.26E-05	8.98E-02	9.18E-03	2.65E-01
4039	493363.09	3854377.25	1.15E-01	3.32E-05	8.46E-02	7.43E-03	2.07E-01	1.52E-01	3.19E+00	8.46E-01	3.80E-02	4.22E+00	1.48E-01	4.03E-05	8.46E-02	7.43E-03	2.40E-01
4040	493863.09	3854377.25	1.05E-01	3.00E-05	1.16E-01	6.77E-03	2.29E-01	1.39E-01	2.88E+00	1.16E+00	3.46E-02	4.22E+00	1.35E-01	3.64E-05	1.16E-01	6.77E-03	2.58E-01
4041	494363.09	3854377.25	9.61E-02	2.67E-05	9.41E-02	4.93E-03	1.95E-01	1.27E-01	2.56E+00	9.41E-01	2.52E-02	3.65E+00	1.23E-01	3.23E-05	9.41E-02	4.93E-03	2.22E-01
4042	494863.09	3854377.25	6.19E-02	2.13E-05	6.56E-02	4.46E-03	1.32E-01	8.17E-02	2.04E+00	6.56E-01	2.28E-02	2.80E+00	7.93E-02	2.58E-05	6.56E-02	4.46E-03	1.49E-01
4043	495363.09	3854377.25	4.74E-02	1.83E-05	4.00E-02	4.41E-03	9.18E-02	6.26E-02	1.75E+00	4.00E-01	2.25E-02	2.24E+00	6.07E-02	2.22E-05	4.00E-02	4.41E-03	1.05E-01
4044	495863.09	3854377.25	3.89E-02	2.00E-05	2.90E-02	4.60E-03	7.25E-02	5.14E-02	1.91E+00	2.90E-01	2.35E-02	2.28E+00	4.99E-02	2.42E-05	2.90E-02	4.60E-03	8.35E-02
4045	496363.09	3854377.25	3.51E-02	2.09E-05	2.19E-02	4.43E-03	6.15E-02	4.63E-02	2.01E+00	2.19E-01	2.26E-02	2.30E+00	4.50E-02	2.54E-05	2.19E-02	4.43E-03	7.14E-02
4046	496863.09	3854377.25	2.96E-02	2.01E-05	1.74E-02	4.03E-03	5.11E-02	3.91E-02	1.93E+00	1.74E-01	2.06E-02	2.17E+00	3.80E-02	2.44E-05	1.74E-02	4.03E-03	5.95E-02
4047	497363.09	3854377.25	2.53E-02	1.94E-05	1.88E-02	3.34E-03	4.74E-02	3.34E-02	1.86E+00	1.88E-01	1.71E-02	2.10E+00	3.24E-02	2.35E-05	1.88E-02	3.34E-03	5.45E-02
4048	497863.09	3854377.25	2.71E-02	2.05E-05	1.90E-02	3.47E-03	4.96E-02	3.58E-02	1.96E+00	1.90E-01	1.77E-02	2.21E+00	3.47E-02	2.48E-05	1.90E-02	3.47E-03	5.72E-02
4049	498363.09	3854377.25	2.80E-02	2.19E-05	1.85E-02	3.18E-03	4.97E-02	3.70E-02	2.10E+00	1.85E-01	1.62E-02	2.34E+00	3.59E-02	2.66E-05	1.85E-02	3.18E-03	5.76E-02
4050	471363.09	3854877.25	6.86E-02	4.11E-05	1.63E-02	4.76E-03	8.97E-02	9.07E-02	3.94E+00	1.63E-01	2.43E-02	4.22E+00	8.80E-02	4.98E-05	1.63E-02	4.76E-03	1.09E-01
4051	471863.09	3854877.25	7.35E-02	3.88E-05	1.63E-02	5.08E-03	9.49E-02	9.71E-02	3.72E+00	1.63E-01	2.60E-02	4.00E+00	9.42E-02	4.70E-05	1.63E-02	5.08E-03	1.16E-01
4052	472363.09	3854877.25	7.63E-02	3.55E-05	1.67E-02	5.90E-03	9.88E-02	1.01E-01	3.41E+00	1.67E-01	3.01E-02	3.70E+00	9.78E-02	4.30E-05	1.67E-02	5.90E-03	1.20E-01
4053	472863.09	3854877.25	7.41E-02	3.43E-05	1.82E-02	5.83E-03	9.82E-02	9.79E-02	3.29E+00	1.82E-01	2.98E-02	3.60E+00	9.50E-02	4.16E-05	1.82E-02	5.83E-03	1.19E-01
4054	473363.09	3854877.25	7.94E-02	3.52E-05	2.49E-02	7.33E-03	1.12E-01	1.05E-01	3.37E+00	2.49E-01	3.74E-02	3.77E+00	1.02E-01	4.26E-05	2.49E-02	7.33E-03	1.34E-01
4055	473863.09	3854877.25	8.31E-02	3.59E-05	3.46E-02	8.54E-03	1.26E-01	1.10E-01	3.44E+00	3.46E-01	4.36E-02	3.94E+00	1.06E-01	4.35E-05	3.46E-02	8.54E-03	1.50E-01
4056	474363.09	3854877.25	8.90E-02	3.62E-05	4.69E-02	1.02E-02	1.46E-01	1.18E-01	3.47E+00	4.69E-01	5.23E-02	4.11E+00	1.14E-01	4.39E-05	4.69E-02	1.02E-02	1.71E-01
4057	474863.09	3854877.25	6.02E-02	3.61E-05	5.13E-02	7.45E-03	1.19E-01	7.95E-02	3.46E+00	5.13E-01	3.80E-02	4.09E+00	7.71E-02	4.37E-05	5.13E-02	7.45E-03	1.36E-01
4058	475363.09	3854877.25	3.44E-02	3.90E-05	2.49E-02	6.06E-03	6.55E-02	4.55E-02	3.74E+00	2.49E-01	3.10E-02	4.06E+00	4.41E-02	4.72E-05	2.49E-02	6.06E-03	7.52E-02
4059	475863.09	3854877.25	3.46E-02	4.22E-05	2.59E-02	6.31E-03	6.68E-02	4.57E-02	4.05E+00	2.59E-01	3.22E-02	4.39E+00	4.44E-02	5.11E-05	2.59E-02	6.31E-03	7.66E-02
4060	476363.09	3854877.25	3.98E-02	4.25E-05	2.69E-02	6.75E-03	7.35E-02	5.26E-02	4.07E+00	2.69E-01	3.45E-02	4.43E+00	5.10E-02	5.15E-05	2.69E-02	6.75E-03	8.47E-02
4061	476863.09	3854877.25	4.49E-02	3.99E-05	2.67E-02	6.98E-03	7.86E-02	5.93E-02	3.82E+00	2.67E-01	3.56E-02	4.19E+00	5.76E-02	4.83E-05	2.67E-02	6.98E-03	9.13E-02
4062	477363.09	3854877.25	4.97E-02	3.56E-05	2.54E-02	7.05E-03	8.21E-02	6.56E-02	3.41E+00	2.54E-01	3.60E-02	3.77E+00	6.37E-02	4.31E-05	2.54E-02	7.05E-03	9.61E-02
4063	477863.09	3854877.25	5.38E-02	3.37E-05	2.34E-02	7.17E-03	8.45E-02	7.11E-02	3.23E+00	2.34E-01	3.66E-02	3.57E+00	6.90E-02	4.08E-05	2.34E-02	7.17E-03	9.97E-02
4064	478363.09	3854877.25	5.73E-02	3.80E-05	2.06E-02	7.11E-03	8.50E-02	7.57E-02	3.65E+00	2.06E-01	3.63E-02	3.96E+00	7.34E-02	4.61E-05	2.06E-02	7.11E-03	1.01E-01
4065	478863.09	3854877.25	5.99E-02	4.15E-05	2.48E-02	7.77E-03	9.26E-02	7.92E-02	3.98E+00	2.48E-01	3.97E-02	4.34E+00	7.68E-02	5.02E-05	2.48E-02	7.77E-03	1.09E-01
4066	479363.09	3854877.25	1.19E-01	5.54E-05	3.44E-02	8.57E-03	1.62E-01	1.57E-01	5.32E+00	3.44E-01	4.38E-02	5.86E+00	1.52E-01	6.71E-05	3.44E-02	8.57E-03	1.95E-01
4067	479863.09	3854877.25	1.22E-01	8.35E-05	6.02E-02	9.85E-03	1.92E-01	1.61E-01	8.01E+00	6.02E-01	5.03E-02	8.82E+00	1.56E-01	1.01E-04	6.02E-02	9.85E-03	2.26E-01
4068	480363.09	3854877.25	1.48E-01	1.21E-04	5.72E-02	1.71E-02	2.23E-01	1.96E-01	1.16E+01	5.72E-01	8.75E-02	1.25E+01	1.90E-01	1.46E-04	5.72E-02	1.71E-02	2.65E-01
4069	480863.09	3854877.25	2.24E-01	1.52E-04	5.30E-02	1.63E-02	2.94E-01	2.96E-01	1.46E+01	5.30E-01	8.33E-02	1.55E+01	2.88E-01	1.84E-04	5.30E-02	1.63E-02	3.57E-01
4070	481363.09	3854877.25	2.59E-01	1.55E-04	4.92E-02	1.13E-02	3.19E-01	3.42E-01	1.49E+01	4.92E-01	5.79E-02	1.58E+01	3.32E-01	1.88E-04	4.92E-02	1.13E-02	3.92E-01
4071	481863.09	3854877.25	2.45E-01	1.57E-04	2.95E-02	1.62E-02	2.91E-01	3.24E-01	1.51E+01	2.95E-01	8.26E-02	1.58E+01	3.14E-01	1.90E-04	2.95E-02	1.62E-02	3.60E-01
4072	482363.09	3854877.25	3.80E-01	5.38E-04	1.58E-02	2.00E-02	4.16E-01	5.02E-01	5.16E+01	1.58E-01	1.02E-01	5.23E+01	4.87E-01	6.51E-04	1.58E-02	2.00E-02	5.23E-01
4073	482863.09	3854877.25	5.42E-01	5.67E-04	1.67E-02	1.93E-02	5.78E-01	7.16E-01	5.44E+01	1.67E-01	9.87E-02	5.54E+01	6.94E-01	6.87E-04	1.67E-02	1.93E-02	7.31E-01
4074	483363.09	3854877.25	8.91E-01	3.66E-04	2.67E-02	2.01E-02	9.38E-01	1.18E+00	3.51E+01	2.67E-01	1.03E-01	3.67E+01	1.14E+00	4.43E-04	2.67E-02	2.01E-02	1.19E+00
4075	483863.09	3854877.25	1.39E+00	1.56E-04	3.70E-02	1.70E-02	1.44E+00	1.83E+00	1.50E+01	3.70E-01	8.68E-02	1.73E+01	1.78E+00	1.89E-04	3.70E-02	1.70E-02	1.83E+00
4076	484363.09	3854877.25	1.27E+00	1.11E-04	4.11E-02	2.26E-02	1.33E+00	1.68E+00	1.07E+01	4.11E-01	1.15E-01	1.29E+01	1.63E+00	1.35E-04	4.11E-02	2.26E-02	1.69E+00
4077	484863.09	3854877.25	7.58E-01	7.14E-05	3.33E-02	1.79E-02	8.09E-01	1.00E+00	6.85E+00	3.33E-01	9.15E-02	8.27E+00	9.71E-01	8.65E-05	3.33E-02	1.79E-02	1.02E+00
4078	485363.09	3854877.25	3.36E-01	4.85E-05	1.15E-01	3.30E-02	4.84E-01	4.43E-01	4.65E+00	1.15E+00	1.69E-01	6.42E+00	4.30E-01	5.88E-05	1.15E-01	3.30E-02	5.79E-01
4079	485863.09	3854877.25	2.51E-01	4.57E-05	4.74E-02	3.21E-02	3.30E-01	3.31E-01	4.39E+00	4.74E-01	1.64E-01	5.35E+00	3.21E-01	5.54E-05	4.74E-02	3.21E-02	4.01E-01
4080	486363.09	3854877.25	1.81E-01	4.47E-05	2.27E-01	3.21E-02	4.39E-01	2.39E-01	4.29E+00	2.27E+00	1.64E-01	6.96E+00	2.32E-01	5.42E-05	2.27E-01	3.21E-02	4.90E-01
4081	486863.09	3854877.25	1.63E-01	3.91E-05	5.52E-02	2.75E-02	2.46E-01	2.15E-01	3.75E+00	5.52E-01	1.41E-01	4.66E+00	2.09E-01	4.73E-05	5.52E-02	2.75E-02	2.92E-01
4082	487363.09	3854877.25	1.74E-01	4.05E-05	1.51E-01	2.00E-02	3.45E-01	2.30E-01	3.89E+00	1.51E+00	1.02E-01	5.74E+00	2.23E-01	4.91E-05	1.51E-01	2.00E-02	3.95E-01
4083	487863.09	3854877.25	1.92E-01	4.11E-05	4.18E-02	1.53E-02	2.49E-01	2.53E-01	3.94E+00	4.18E-01	7.80E-02	4.69E+00	2.46E-01	4.98E-05	4.18E-02	1.53E-02	3.03E-01

4084	488363.09	3854877.25	2.25E-01	5.09E-05	3.62E-02	1.41E-02	2.75E-01	2.97E-01	4.88E+00	3.62E-01	7.20E-02	5.61E+00	2.89E-01	6.17E-05	3.62E-02	1.41E-02	3.39E-01
4085	488863.09	3854877.25	2.57E-01	4.42E-05	5.80E-02	1.25E-02	3.28E-01	3.40E-01	4.24E+00	5.80E-01	6.38E-02	5.22E+00	3.30E-01	5.35E-05	5.80E-02	1.25E-02	4.01E-01
4086	489363.09	3854877.25	2.61E-01	4.38E-05	1.32E-01	1.32E-02	4.06E-01	3.45E-01	4.20E+00	1.32E+00	6.75E-02	5.93E+00	3.35E-01	5.30E-05	1.32E-01	1.32E-02	4.80E-01
4087	489863.09	3854877.25	2.32E-01	4.02E-05	1.69E-01	1.42E-02	4.15E-01	3.06E-01	3.86E+00	1.69E+00	7.26E-02	5.93E+00	2.97E-01	4.87E-05	1.69E-01	1.42E-02	4.81E-01
4088	490363.09	3854877.25	1.16E-01	3.10E-05	3.74E-02	1.02E-02	1.64E-01	1.53E-01	2.97E+00	3.74E-01	5.23E-02	3.55E+00	1.49E-01	3.75E-05	3.74E-02	1.02E-02	1.96E-01
4089	490863.09	3854877.25	7.08E-02	2.31E-05	3.55E-02	6.32E-03	1.13E-01	9.35E-02	2.22E+00	3.55E-01	3.23E-02	2.70E+00	9.07E-02	2.80E-05	3.55E-02	6.32E-03	1.33E-01
4090	491363.09	3854877.25	8.13E-02	2.83E-05	8.22E-02	5.91E-03	1.69E-01	1.07E-01	2.71E+00	8.22E-01	3.02E-02	3.67E+00	1.04E-01	3.42E-05	8.22E-02	5.91E-03	1.92E-01
4091	491863.09	3854877.25	2.09E-01	4.39E-05	1.34E-01	1.24E-02	3.56E-01	2.76E-01	4.21E+00	1.34E+00	6.34E-02	5.89E+00	2.68E-01	5.32E-05	1.34E-01	1.24E-02	4.15E-01
4092	492363.09	3854877.25	2.03E-01	4.43E-05	6.65E-02	1.28E-02	2.82E-01	2.68E-01	4.25E+00	6.65E-01	6.53E-02	5.25E+00	2.60E-01	5.37E-05	6.65E-02	1.28E-02	3.39E-01
4093	492863.09	3854877.25	1.71E-01	3.86E-05	1.63E-01	1.18E-02	3.45E-01	2.26E-01	3.70E+00	1.63E+00	6.02E-02	5.62E+00	2.19E-01	4.68E-05	1.63E-01	1.18E-02	3.94E-01
4094	493363.09	3854877.25	1.36E-01	3.52E-05	1.48E-01	1.14E-02	2.95E-01	1.79E-01	3.38E+00	1.48E+00	5.80E-02	5.10E+00	1.74E-01	4.27E-05	1.48E-01	1.14E-02	3.34E-01
4095	493863.09	3854877.25	1.29E-01	3.31E-05	1.48E-01	7.48E-03	2.85E-01	1.71E-01	3.17E+00	1.48E+00	3.82E-02	4.86E+00	1.66E-01	4.00E-05	1.48E-01	7.48E-03	3.22E-01
4096	494363.09	3854877.25	7.82E-02	2.28E-05	9.11E-02	6.02E-03	1.75E-01	1.03E-01	2.18E+00	9.11E-01	3.08E-02	3.23E+00	1.00E-01	2.76E-05	9.11E-02	6.02E-03	1.97E-01
4097	494863.09	3854877.25	5.81E-02	2.07E-05	4.32E-02	4.49E-03	1.06E-01	7.67E-02	1.99E+00	4.32E-01	2.29E-02	2.52E+00	7.44E-02	2.51E-05	4.32E-02	4.49E-03	1.22E-01
4098	495363.09	3854877.25	5.32E-02	2.09E-05	2.48E-02	4.49E-03	8.26E-02	7.03E-02	2.01E+00	2.48E-01	2.29E-02	2.35E+00	6.83E-02	2.53E-05	2.48E-02	4.49E-03	9.76E-02
4099	495863.09	3854877.25	5.17E-02	1.98E-05	1.99E-02	4.16E-03	7.57E-02	6.82E-02	1.90E+00	1.99E-01	2.12E-02	2.19E+00	6.62E-02	2.40E-05	1.99E-02	4.16E-03	9.03E-02
4100	496363.09	3854877.25	4.97E-02	1.92E-05	2.14E-02	3.83E-03	7.49E-02	6.57E-02	1.84E+00	2.14E-01	1.96E-02	2.14E+00	6.37E-02	2.33E-05	2.14E-02	3.83E-03	8.89E-02
4101	496863.09	3854877.25	4.93E-02	2.05E-05	2.10E-02	3.78E-03	7.41E-02	6.51E-02	1.97E+00	2.10E-01	1.93E-02	2.26E+00	6.32E-02	2.49E-05	2.10E-02	3.78E-03	8.80E-02
4102	497363.09	3854877.25	4.98E-02	2.22E-05	1.94E-02	3.57E-03	7.27E-02	6.58E-02	2.13E+00	1.94E-01	1.82E-02	2.41E+00	6.38E-02	2.69E-05	1.94E-02	3.57E-03	8.68E-02
4103	497863.09	3854877.25	5.14E-02	2.25E-05	1.74E-02	3.69E-03	7.25E-02	6.79E-02	2.16E+00	1.74E-01	1.89E-02	2.42E+00	6.59E-02	2.73E-05	1.74E-02	3.69E-03	8.70E-02
4104	498363.09	3854877.25	5.19E-02	2.10E-05	1.73E-02	3.64E-03	7.29E-02	6.86E-02	2.02E+00	1.73E-01	1.86E-02	2.28E+00	6.66E-02	2.55E-05	1.73E-02	3.64E-03	8.76E-02
4105	471363.09	3855377.25	7.06E-02	3.87E-05	3.97E-02	4.86E-03	1.15E-01	9.32E-02	3.71E+00	3.97E-01	2.48E-02	4.23E+00	9.05E-02	4.69E-05	3.97E-02	4.86E-03	1.35E-01
4106	471863.09	3855377.25	7.17E-02	4.12E-05	3.85E-02	5.00E-03	1.15E-01	9.48E-02	3.95E+00	3.85E-01	2.55E-02	4.46E+00	9.20E-02	4.99E-05	3.85E-02	5.00E-03	1.36E-01
4107	472363.09	3855377.25	8.01E-02	4.29E-05	4.04E-02	5.13E-03	1.26E-01	1.06E-01	4.11E+00	4.04E-01	2.62E-02	4.65E+00	1.03E-01	5.19E-05	4.04E-02	5.13E-03	1.48E-01
4108	472863.09	3855377.25	8.43E-02	4.33E-05	3.68E-02	5.26E-03	1.26E-01	1.11E-01	4.15E+00	3.68E-01	2.69E-02	4.65E+00	1.08E-01	5.24E-05	3.68E-02	5.26E-03	1.50E-01
4109	473363.09	3855377.25	9.62E-02	4.21E-05	3.75E-02	5.38E-03	1.39E-01	1.27E-01	4.04E+00	3.75E-01	2.75E-02	4.57E+00	1.23E-01	5.10E-05	3.75E-02	5.38E-03	1.66E-01
4110	473863.09	3855377.25	1.06E-01	4.02E-05	3.46E-02	6.65E-03	1.47E-01	1.40E-01	3.85E+00	3.46E-01	3.40E-02	4.37E+00	1.36E-01	4.87E-05	3.46E-02	6.65E-03	1.77E-01
4111	474363.09	3855377.25	1.14E-01	4.17E-05	5.27E-02	1.45E-02	1.81E-01	1.51E-01	4.00E+00	5.27E-01	7.41E-02	4.75E+00	1.46E-01	5.06E-05	5.27E-02	1.45E-02	2.14E-01
4112	474863.09	3855377.25	8.71E-02	3.42E-05	2.56E-02	7.53E-03	1.20E-01	1.15E-01	3.28E+00	2.56E-01	3.84E-02	3.69E+00	1.12E-01	4.14E-05	2.56E-02	7.53E-03	1.45E-01
4113	475363.09	3855377.25	2.97E-02	3.57E-05	2.19E-02	5.78E-03	5.75E-02	3.93E-02	3.42E+00	2.19E-01	2.95E-02	3.71E+00	3.81E-02	4.32E-05	2.19E-02	5.78E-03	6.59E-02
4114	475863.09	3855377.25	2.52E-02	3.72E-05	2.44E-02	6.10E-03	5.58E-02	3.33E-02	3.57E+00	2.44E-01	3.12E-02	3.88E+00	3.24E-02	4.51E-05	2.44E-02	6.10E-03	6.29E-02
4115	476363.09	3855377.25	2.58E-02	3.85E-05	2.62E-02	6.25E-03	5.82E-02	3.41E-02	3.69E+00	2.62E-01	3.19E-02	4.02E+00	3.31E-02	4.66E-05	2.62E-02	6.25E-03	6.55E-02
4116	476863.09	3855377.25	2.63E-02	3.92E-05	2.81E-02	6.50E-03	6.09E-02	3.47E-02	3.75E+00	2.81E-01	3.32E-02	4.10E+00	3.37E-02	4.74E-05	2.81E-02	6.50E-03	6.83E-02
4117	477363.09	3855377.25	2.68E-02	4.03E-05	2.93E-02	6.69E-03	6.29E-02	3.54E-02	3.87E+00	2.93E-01	3.42E-02	4.23E+00	3.44E-02	4.89E-05	2.93E-02	6.69E-03	7.05E-02
4118	477863.09	3855377.25	3.05E-02	4.42E-05	2.97E-02	6.78E-03	6.70E-02	4.02E-02	4.24E+00	2.97E-01	3.46E-02	4.61E+00	3.90E-02	5.36E-05	2.97E-02	6.78E-03	7.56E-02
4119	478363.09	3855377.25	3.61E-02	4.40E-05	2.93E-02	6.86E-03	7.23E-02	4.77E-02	4.22E+00	2.93E-01	3.51E-02	4.59E+00	4.63E-02	5.33E-05	2.93E-02	6.86E-03	8.25E-02
4120	478863.09	3855377.25	4.21E-02	4.05E-05	2.81E-02	6.97E-03	7.71E-02	5.56E-02	3.88E+00	2.81E-01	3.56E-02	4.25E+00	5.39E-02	4.90E-05	2.81E-02	6.97E-03	8.90E-02
4121	479363.09	3855377.25	9.23E-02	4.73E-05	2.58E-02	7.07E-03	1.25E-01	1.22E-01	4.54E+00	2.58E-01	3.61E-02	4.95E+00	1.18E-01	5.73E-05	2.58E-02	7.07E-03	1.51E-01
4122	479863.09	3855377.25	1.03E-01	6.32E-05	2.46E-02	8.66E-03	1.36E-01	1.36E-01	6.06E+00	2.46E-01	4.42E-02	6.49E+00	1.32E-01	7.65E-05	2.46E-02	8.66E-03	1.66E-01
4123	480363.09	3855377.25	2.00E-01	8.85E-05	3.86E-02	2.38E-02	2.62E-01	2.64E-01	8.49E+00	3.86E-01	1.21E-01	9.26E+00	2.56E-01	1.07E-04	3.86E-02	2.38E-02	3.19E-01
4124	480863.09	3855377.25	3.24E-01	1.47E-04	5.92E-02	1.72E-02	4.01E-01	4.28E-01	1.41E+01	5.92E-01	8.78E-02	1.52E+01	4.16E-01	1.78E-04	5.92E-02	1.72E-02	4.92E-01
4125	481363.09	3855377.25	4.16E-01	2.75E-04	5.13E-02	1.74E-02	4.85E-01	5.50E-01	2.63E+01	5.13E-01	8.90E-02	2.75E+01	5.33E-01	3.33E-04	5.13E-02	1.74E-02	6.02E-01
4126	481863.09	3855377.25	4.79E-01	4.57E-04	4.56E-02	1.66E-02	5.41E-01	6.32E-01	4.38E+01	4.56E-01	8.46E-02	4.50E+01	6.14E-01	5.54E-04	4.56E-02	1.66E-02	6.76E-01
4127	482363.09	3855377.25	5.27E-01	7.04E-04	5.07E-02	1.68E-02	5.95E-01	6.97E-01	6.75E+01	5.07E-01	8.56E-02	6.88E+01	6.76E-01	8.52E-04	5.07E-02	1.68E-02	7.44E-01
4128	482863.09	3855377.25	6.33E-01	9.28E-04	3.43E-02	2.53E-02	6.94E-01	8.36E-01	8.90E+01	3.43E-01	1.29E-01	9.03E+01	8.12E-01	1.12E-03	3.43E-02	2.53E-02	8.73E-01
4129	483363.09	3855377.25	7.69E-01	8.17E-04	1.76E-02	2.52E-02	8.13E-01	1.02E+00	7.83E+01	1.76E-01	1.29E-01	7.96E+01	9.86E-01	9.89E-04	1.76E-02	2.52E-02	1.03E+00
4130	483863.09	3855377.25	1.04E+00	5.06E-04	2.46E-02	3.22E-02	1.10E+00	1.38E+00	4.85E+01	2.46E-01	1.65E-01	5.03E+01	1.34E+00	6.13E-04	2.46E-02	3.22E-02	1.40E+00
4131	484363.09	3855377.25	2.29E+00	2.00E-04	3.81E-02	2.02E-02	2.35E+00	3.02E+00	1.92E+01	3.81E-01	1.03E-01	2.27E+01	2.93E+00	2.42E-04	3.81E-02	2.02E-02	2.99E+00
4132	484863.09	3855377.25	4.92E+00	1.71E-04	4.66E-02	3.57E-02	5.00E+00	6.49E+00	1.64E+01	4.66E-01	1.82E-01	2.35E+01	6.30E+00	2.07E-04	4.66E-02	3.57E-02	6.38E+00
4133	485363.09	3855377.25	1.92E+00	1.06E-04	3.92E-02	3.94E-02	2.00E+00	2.53E+00	1.02E+01	3.92E-01	2.01E-01	1.33E+01	2.46E+00	1.28E-04	3.92E-02	3.94E-02	2.54E+00
4134	485863.09	3855377.25	1.20E+00	7.04E-05	8.01E-02	3.46E-02	1.32E+00	1.59E+00	6.76E+00	8.01E-01	1.77E-01	9.32E+00	1.54E+00	8.53E-05	8.01E-02	3.46E-02	1.65E+00
4135	486363.09	3855377.25	7.25E-01	5.75E-05	1.10E-01	2.14E-02	8.56E-01	9.57E-01	5.52E+00	1.10E+00	1.09E-01	7.69E+00	9.29E-01	6.97E-05	1.10E-01	2.14E-02	1.06E+00
4136	486863.09	3855377.25	5.05E-01	5.19E-05	7.50E-02	2.00E-02	6.01E-01	6.68E-01	4.98E+00	7.50E-01	1.02E-01	6.50E+00	6.48E-01	6.29E-05	7.50E-02	2.00E-02	7.43E-01
4137	487363.09	3855377.25	5.84E-01	5.85E-05	1.45E-01	2.17E-02	7.51E-01	7.71E-01	5.61E+00	1.45E+00	1.11E-01	7.94E+00	7.48E-01	7.08E-05	1.45E-01	2.17E-02	9.15E-01
4138	487863.09	3855377.25	6.12E-01	5.29E-05	5.68E-02	2.01E-02	6.89E-01	8.08E-01	5.07E+00	5.68E-01	1.03E-01	6.55E+00	7.84E-01	6.41E-05	5.68E-02	2.01E-02	8.61E-01
4139	488363.09	3855377.25	6.13E-01	6.38E-05	4.05E-02	1.60E-02	6.70E-01	8.10E-01	6.11E+00	4.05E-01	8.17E-02	7.41E+00	7.86E-01	7.72E-05	4.05E-02	1.60E-02	8.43E-01
4140	488863.09	3855377.25	5.93E-01	6.61E-05	7.66E-02	1.54E-02	6.85E-01	7.83E-01	6.34E+00	7.66E-01	7.85E-02	7.97E+00	7.60E-01	8.01E-05	7.66E-02	1.54E-02	8.52E-01
4141	489363.09	3855377.25	5.53E-01	6.68E-05	1.49E-01	1.44E-02	7.17E-01	7.31E-01	6.41E+00	1.49E+00	7.36E-02	8.70E+00	7.09E-01	8.09E-05	1.49E-01	1.44E-02	8.73E-01
4142	489863.09	3855377.25	4.95E-01	6.23E-05	5.26E-02	1.43E-02	5.62E-01	6.54E-01	5.98E+00	5.26E-01	7.32E-02	7.23E+00	6.35E-01	7.55E-05	5.26E-02	1.43E-02	7.02E-01
4143	490363.09	3855377.25	4.80E-01	6.41E-05	1.40E-01	4.14E-02	6.61E-01	6.34E-01	6.15E+00	1.40E+00	2.11E-01	8.39E+00	6.16E-01	7.77E-05	1.40E-01	4.14E-02	7.97E-01
4144	490863.09	3855377.25	1.86E-01	3.58E-05	2.03E-01	8.62E-03	3.97E-01	2.46E-01	3.44E+00	2.03E+00	4.40E-02	5.75E+00	2.38E-01	4.34E-05	2.03E-01	8.62E-03	4.50E-01

4145	491363.09	3855377.25	1.07E-01	4.18E-05	6.91E-02	7.42E-03	1.84E-01	1.41E-01	4.00E+00	6.91E-01	3.79E-02	4.87E+00	1.37E-01	5.06E-05	6.91E-02	7.42E-03	2.14E-01
4146	491863.09	3855377.25	3.03E-01	5.17E-05	1.15E-01	1.01E-02	4.28E-01	4.00E-01	4.96E+00	1.15E+00	5.17E-02	6.56E+00	3.88E-01	6.27E-05	1.15E-01	1.01E-02	5.13E-01
4147	492363.09	3855377.25	2.81E-01	5.24E-05	1.81E-01	1.16E-02	4.73E-01	3.71E-01	5.02E+00	1.81E+00	5.94E-02	7.27E+00	3.60E-01	6.35E-05	1.81E-01	1.16E-02	5.53E-01
4148	492863.09	3855377.25	2.51E-01	4.82E-05	1.80E-01	1.64E-02	4.47E-01	3.32E-01	4.62E+00	1.80E+00	8.38E-02	6.83E+00	3.22E-01	5.84E-05	1.80E-01	1.64E-02	5.18E-01
4149	493363.09	3855377.25	1.97E-01	3.95E-05	1.46E-01	8.70E-03	3.51E-01	2.60E-01	3.79E+00	1.46E+00	4.44E-02	5.56E+00	2.52E-01	4.79E-05	1.46E-01	8.70E-03	4.07E-01
4150	493863.09	3855377.25	1.05E-01	3.07E-05	1.02E-01	7.10E-03	2.14E-01	1.38E-01	2.94E+00	1.02E+00	3.63E-02	4.13E+00	1.34E-01	3.72E-05	1.02E-01	7.10E-03	2.43E-01
4151	494363.09	3855377.25	8.36E-02	2.56E-05	3.48E-02	4.67E-03	1.23E-01	1.10E-01	2.45E+00	3.48E-01	2.39E-02	2.93E+00	1.07E-01	3.10E-05	3.48E-02	4.67E-03	1.47E-01
4152	494863.09	3855377.25	7.06E-02	2.34E-05	2.72E-02	4.65E-03	1.03E-01	9.33E-02	2.24E+00	2.72E-01	2.38E-02	2.63E+00	9.06E-02	2.83E-05	2.72E-02	4.65E-03	1.22E-01
4153	495363.09	3855377.25	6.44E-02	2.27E-05	2.37E-02	4.62E-03	9.28E-02	8.51E-02	2.18E+00	2.37E-01	2.36E-02	2.52E+00	8.26E-02	2.75E-05	2.37E-02	4.62E-03	1.11E-01
4154	495863.09	3855377.25	6.14E-02	2.27E-05	2.23E-02	4.54E-03	8.82E-02	8.11E-02	2.17E+00	2.23E-01	2.32E-02	2.50E+00	7.88E-02	2.75E-05	2.23E-02	4.54E-03	1.06E-01
4155	496363.09	3855377.25	6.12E-02	2.31E-05	2.03E-02	4.38E-03	8.59E-02	8.08E-02	2.22E+00	2.03E-01	2.24E-02	2.52E+00	7.85E-02	2.80E-05	2.03E-02	4.38E-03	1.03E-01
4156	496863.09	3855377.25	6.11E-02	2.36E-05	2.01E-02	3.97E-03	8.52E-02	8.07E-02	2.26E+00	2.01E-01	2.03E-02	2.57E+00	7.84E-02	2.86E-05	2.01E-02	3.97E-03	1.02E-01
4157	497363.09	3855377.25	6.16E-02	2.42E-05	1.97E-02	4.25E-03	8.55E-02	8.13E-02	2.32E+00	1.97E-01	2.17E-02	2.62E+00	7.90E-02	2.93E-05	1.97E-02	4.25E-03	1.03E-01
4158	497863.09	3855377.25	6.26E-02	2.49E-05	1.97E-02	4.16E-03	8.65E-02	8.27E-02	2.39E+00	1.97E-01	2.13E-02	2.69E+00	8.03E-02	3.01E-05	1.97E-02	4.16E-03	1.04E-01
4159	498363.09	3855377.25	6.38E-02	2.56E-05	2.01E-02	4.08E-03	8.80E-02	8.43E-02	2.46E+00	2.01E-01	2.08E-02	2.76E+00	8.18E-02	3.10E-05	2.01E-02	4.08E-03	1.06E-01
4160	471363.09	3855877.25	6.71E-02	3.54E-05	4.70E-02	5.39E-03	1.20E-01	8.87E-02	3.40E+00	4.70E-01	2.75E-02	3.99E+00	8.61E-02	4.29E-05	4.70E-02	5.39E-03	1.38E-01
4161	471863.09	3855877.25	6.82E-02	3.55E-05	5.03E-02	5.55E-03	1.24E-01	9.01E-02	3.40E+00	5.03E-01	2.84E-02	4.02E+00	8.74E-02	4.30E-05	5.03E-02	5.55E-03	1.43E-01
4162	472363.09	3855877.25	7.36E-02	3.52E-05	6.04E-02	6.77E-03	1.41E-01	9.72E-02	3.37E+00	6.04E-01	3.46E-02	4.11E+00	9.44E-02	4.26E-05	6.04E-02	6.77E-03	1.62E-01
4163	472863.09	3855877.25	7.31E-02	3.59E-05	5.95E-02	6.41E-03	1.39E-01	9.66E-02	3.44E+00	5.95E-01	3.28E-02	4.17E+00	9.37E-02	4.35E-05	5.95E-02	6.41E-03	1.60E-01
4164	473363.09	3855877.25	8.24E-02	3.90E-05	6.98E-02	8.04E-03	1.60E-01	1.09E-01	3.74E+00	6.98E-01	4.11E-02	4.59E+00	1.06E-01	4.73E-05	6.98E-02	8.04E-03	1.83E-01
4165	473863.09	3855877.25	8.86E-02	4.19E-05	7.31E-02	8.86E-03	1.71E-01	1.17E-01	4.02E+00	7.31E-01	4.53E-02	4.91E+00	1.14E-01	5.08E-05	7.31E-02	8.86E-03	1.96E-01
4166	474363.09	3855877.25	9.22E-02	4.39E-05	1.27E-01	1.33E-02	2.32E-01	1.22E-01	4.21E+00	1.27E+00	6.81E-02	5.66E+00	1.18E-01	5.32E-05	1.27E-01	1.33E-02	2.58E-01
4167	474863.09	3855877.25	6.48E-02	4.44E-05	6.31E-02	6.28E-03	1.34E-01	8.56E-02	4.26E+00	6.31E-01	3.21E-02	5.01E+00	8.31E-02	5.38E-05	6.31E-02	6.28E-03	1.53E-01
4168	475363.09	3855877.25	3.23E-02	4.32E-05	1.85E-02	5.52E-03	5.63E-02	4.26E-02	4.15E+00	1.85E-01	2.82E-02	4.40E+00	4.14E-02	5.24E-05	1.85E-02	5.52E-03	6.54E-02
4169	475863.09	3855877.25	2.36E-02	4.03E-05	1.70E-02	5.62E-03	4.63E-02	3.12E-02	3.86E+00	1.70E-01	2.87E-02	4.09E+00	3.03E-02	4.88E-05	1.70E-02	5.62E-03	5.30E-02
4170	476363.09	3855877.25	2.43E-02	3.59E-05	1.95E-02	5.81E-03	4.96E-02	3.21E-02	3.44E+00	1.95E-01	2.97E-02	3.70E+00	3.12E-02	4.34E-05	1.95E-02	5.81E-03	5.65E-02
4171	476863.09	3855877.25	2.83E-02	3.28E-05	2.15E-02	6.15E-03	5.60E-02	3.74E-02	3.14E+00	2.15E-01	3.14E-02	3.43E+00	3.63E-02	3.97E-05	2.15E-02	6.15E-03	6.40E-02
4172	477363.09	3855877.25	3.30E-02	3.50E-05	2.40E-02	6.42E-03	6.34E-02	4.35E-02	3.36E+00	2.40E-01	3.28E-02	3.67E+00	4.23E-02	4.24E-05	2.40E-02	6.42E-03	7.27E-02
4173	477863.09	3855877.25	3.77E-02	3.76E-05	2.64E-02	6.66E-03	7.08E-02	4.98E-02	3.61E+00	2.64E-01	3.40E-02	3.96E+00	4.84E-02	4.56E-05	2.64E-02	6.66E-03	8.14E-02
4174	478363.09	3855877.25	4.52E-02	4.03E-05	2.85E-02	6.90E-03	8.07E-02	5.98E-02	3.86E+00	2.85E-01	3.53E-02	4.24E+00	5.80E-02	4.88E-05	2.85E-02	6.90E-03	9.34E-02
4175	478863.09	3855877.25	5.26E-02	4.24E-05	3.03E-02	7.13E-03	9.00E-02	6.95E-02	4.06E+00	3.03E-01	3.64E-02	4.47E+00	6.74E-02	5.13E-05	3.03E-02	7.13E-03	1.05E-01
4176	479363.09	3855877.25	7.66E-02	4.55E-05	5.10E-02	7.35E-03	1.35E-01	1.01E-01	4.36E+00	5.10E-01	3.75E-02	5.01E+00	9.82E-02	5.51E-05	5.10E-02	7.35E-03	1.57E-01
4177	479863.09	3855877.25	1.26E-01	5.63E-05	8.14E-02	1.48E-02	2.23E-01	1.67E-01	5.40E+00	8.14E-01	7.56E-02	6.46E+00	1.62E-01	6.82E-05	8.14E-02	1.48E-02	2.58E-01
4178	480363.09	3855877.25	2.14E-01	7.69E-05	8.53E-02	2.80E-02	3.27E-01	2.83E-01	7.37E+00	8.53E-01	1.43E-01	8.65E+00	2.74E-01	9.32E-05	8.53E-02	2.80E-02	3.88E-01
4179	480863.09	3855877.25	3.26E-01	1.16E-04	4.72E-02	2.95E-02	4.03E-01	4.31E-01	1.11E+01	4.72E-01	1.51E-01	1.22E+01	4.18E-01	1.41E-04	4.72E-02	2.95E-02	4.95E-01
4180	481363.09	3855877.25	3.66E-01	1.29E-04	2.91E-02	3.17E-02	4.27E-01	4.83E-01	1.24E+01	2.91E-01	1.62E-01	1.33E+01	4.69E-01	1.56E-04	2.91E-02	3.17E-02	5.30E-01
4181	481863.09	3855877.25	4.79E-01	3.87E-04	3.43E-02	1.19E-02	5.26E-01	6.33E-01	3.71E+01	3.43E-01	6.09E-02	3.81E+01	6.14E-01	4.69E-04	3.43E-02	1.19E-02	6.61E-01
4182	482363.09	3855877.25	5.02E-01	7.25E-04	4.35E-02	1.26E-02	5.59E-01	6.63E-01	6.95E+01	4.35E-01	6.44E-02	7.07E+01	6.44E-01	8.78E-04	4.35E-02	1.26E-02	7.01E-01
4183	482863.09	3855877.25	5.71E-01	9.59E-04	4.34E-02	2.32E-02	6.38E-01	7.54E-01	9.20E+01	4.34E-01	1.19E-01	9.33E+01	7.32E-01	1.16E-03	4.34E-02	2.32E-02	7.99E-01
4184	483363.09	3855877.25	6.51E-01	1.12E-03	4.84E-02	2.24E-02	7.23E-01	8.60E-01	1.07E+02	4.84E-01	1.15E-01	1.09E+02	8.35E-01	1.35E-03	4.84E-02	2.24E-02	9.07E-01
4185	483863.09	3855877.25	7.94E-01	9.78E-04	3.02E-02	3.23E-02	8.58E-01	1.05E+00	9.38E+01	3.02E-01	1.65E-01	9.53E+01	1.02E+00	1.19E-03	3.02E-02	3.23E-02	1.08E+00
4186	484363.09	3855877.25	1.36E+00	5.71E-04	2.11E-02	5.00E-02	1.43E+00	1.80E+00	5.48E+01	2.11E-01	2.55E-01	5.70E+01	1.75E+00	6.92E-04	2.11E-02	5.00E-02	1.82E+00
4187	484863.09	3855877.25	2.18E+00	3.11E-04	3.76E-02	3.46E-02	2.25E+00	2.88E+00	2.99E+01	3.76E-01	1.77E-01	3.33E+01	2.80E+00	3.77E-04	3.76E-02	3.46E-02	2.87E+00
4188	485363.09	3855877.25	5.02E+00	2.31E-04	5.27E-02	3.55E-02	5.10E+00	6.63E+00	2.22E+01	5.27E-01	1.82E-01	2.95E+01	6.43E+00	2.80E-04	5.27E-02	3.55E-02	6.52E+00
4189	485863.09	3855877.25	3.02E+00	1.40E-04	4.72E-02	3.23E-02	3.10E+00	4.00E+00	1.34E+01	4.72E-01	1.65E-01	1.81E+01	3.88E+00	1.70E-04	4.72E-02	3.23E-02	3.96E+00
4190	486363.09	3855877.25	1.36E+00	9.10E-05	7.62E-02	2.92E-02	1.46E+00	1.79E+00	8.73E+00	7.62E-01	1.49E-01	1.14E+01	1.74E+00	1.10E-04	7.62E-02	2.92E-02	1.85E+00
4191	486863.09	3855877.25	9.68E-01	8.58E-05	1.54E-01	2.37E-02	1.15E+00	1.28E+00	8.23E+00	1.54E+00	1.21E-01	1.12E+01	1.24E+00	1.04E-04	1.54E-01	2.37E-02	1.42E+00
4192	487363.09	3855877.25	9.67E-01	9.49E-05	1.19E-01	1.92E-02	1.10E+00	1.28E+00	9.10E+00	1.19E+00	9.79E-02	1.17E+01	1.24E+00	1.15E-04	1.19E-01	1.92E-02	1.38E+00
4193	487863.09	3855877.25	9.21E-01	9.82E-05	5.36E-02	1.51E-02	9.90E-01	1.22E+00	9.42E+00	5.36E-01	7.74E-02	1.12E+01	1.18E+00	1.19E-04	5.36E-02	1.51E-02	1.25E+00
4194	488363.09	3855877.25	8.43E-01	1.04E-04	4.52E-02	1.24E-02	9.01E-01	1.11E+00	1.00E+01	4.52E-01	6.32E-02	1.16E+01	1.08E+00	1.26E-04	4.52E-02	1.24E-02	1.14E+00
4195	488863.09	3855877.25	7.77E-01	1.11E-04	8.87E-02	1.03E-02	8.76E-01	1.03E+00	1.07E+01	8.87E-01	5.28E-02	1.27E+01	9.96E-01	1.35E-04	8.87E-02	1.03E-02	1.10E+00
4196	489363.09	3855877.25	7.14E-01	1.13E-04	8.58E-02	9.24E-03	8.09E-01	9.44E-01	1.09E+01	8.58E-01	4.72E-02	1.27E+01	9.16E-01	1.37E-04	8.58E-02	9.24E-03	1.01E+00
4197	489863.09	3855877.25	6.33E-01	1.10E-04	6.99E-02	1.04E-02	7.13E-01	8.36E-01	1.05E+01	6.99E-01	5.30E-02	1.21E+01	8.11E-01	1.33E-04	6.99E-02	1.04E-02	8.92E-01
4198	490363.09	3855877.25	5.37E-01	1.08E-04	7.17E-02	1.83E-02	6.27E-01	7.09E-01	1.03E+01	7.17E-01	9.37E-02	1.18E+01	6.88E-01	1.30E-04	7.17E-02	1.83E-02	7.78E-01
4199	490863.09	3855877.25	4.57E-01	9.60E-05	8.42E-02	9.58E-03	5.50E-01	6.03E-01	9.20E+00	8.42E-01	4.89E-02	1.07E+01	5.85E-01	1.16E-04	8.42E-02	9.58E-03	6.79E-01
4200	491363.09	3855877.25	3.58E-01	5.93E-05	2.18E-01	1.00E-02	5.86E-01	4.73E-01	5.69E+00	2.18E+00	5.12E-02	8.39E+00	4.59E-01	7.19E-05	2.18E-01	1.00E-02	6.87E-01
4201	491863.09	3855877.25	3.91E-01	9.89E-05	1.22E-01	1.28E-02	5.25E-01	5.16E-01	9.49E+00	1.22E+00	6.56E-02	1.13E+01	5.01E-01	1.20E-04	1.22E-01	1.28E-02	6.36E-01
4202	492363.09	3855877.25	3.47E-01	7.17E-05	1.42E-01	1.86E-02	5.08E-01	4.59E-01	6.87E+00	1.42E+00	9.50E-02	8.85E+00	4.45E-01	8.68E-05	1.42E-01	1.86E-02	6.06E-01
4203	492863.09	3855877.25	3.05E-01	6.42E-05	1.72E-01	1.30E-02	4.89E-01	4.02E-01	6.16E+00	1.72E+00	6.62E-02	8.34E+00	3.91E-01	7.78E-05	1.72E-01	1.30E-02	5.75E-01
4204	493363.09	3855877.25	2.04E-01	4.74E-05	9.10E-02	5.85E-03	3.01E-01	2.69E-01	4.54E+00	9.10E-01	2.99E-02	5.75E+00	2.61E-01	5.74E-05	9.10E-02	5.85E-03	3.58E-01
4205	493863.09	3855877.25	1.06E-01	3.78E-05	3.64E-02	5.33E-03	1.47E-01	1.39E-01	3.63E+00	3.64E-01	2.72E-02	4.16E+00	1.35E-01	4.58E-05	3.64E-02	5.33E-03	1.77E-01

4206	494363.09	3855877.25	8.14E-02	3.39E-05	2.39E-02	5.06E-03	1.10E-01	1.07E-01	3.25E+00	2.39E-01	2.58E-02	3.62E+00	1.04E-01	4.10E-05	2.39E-02	5.06E-03	1.33E-01
4207	494863.09	3855877.25	6.97E-02	3.23E-05	2.50E-02	4.99E-03	9.97E-02	9.21E-02	3.09E+00	2.50E-01	2.55E-02	3.46E+00	8.94E-02	3.91E-05	2.50E-02	4.99E-03	1.19E-01
4208	495363.09	3855877.25	6.15E-02	3.12E-05	1.85E-02	3.48E-03	8.35E-02	8.12E-02	2.99E+00	1.85E-01	1.78E-02	3.27E+00	7.88E-02	3.78E-05	1.85E-02	3.48E-03	1.01E-01
4209	495863.09	3855877.25	6.12E-02	3.15E-05	1.80E-02	3.52E-03	8.28E-02	8.09E-02	3.02E+00	1.80E-01	1.80E-02	3.30E+00	7.85E-02	3.82E-05	1.80E-02	3.52E-03	1.00E-01
4210	496363.09	3855877.25	6.12E-02	3.18E-05	1.88E-02	3.61E-03	8.36E-02	8.08E-02	3.05E+00	1.88E-01	1.84E-02	3.34E+00	7.84E-02	3.86E-05	1.88E-02	3.61E-03	1.01E-01
4211	496863.09	3855877.25	6.19E-02	3.23E-05	2.06E-02	3.93E-03	8.64E-02	8.17E-02	3.10E+00	2.06E-01	2.01E-02	3.40E+00	7.93E-02	3.91E-05	2.06E-02	3.93E-03	1.04E-01
4212	497363.09	3855877.25	6.27E-02	3.28E-05	1.94E-02	4.44E-03	8.66E-02	8.28E-02	3.14E+00	1.94E-01	2.27E-02	3.44E+00	8.04E-02	3.97E-05	1.94E-02	4.44E-03	1.04E-01
4213	497863.09	3855877.25	6.39E-02	3.33E-05	2.19E-02	4.34E-03	9.02E-02	8.44E-02	3.19E+00	2.19E-01	2.22E-02	3.52E+00	8.19E-02	4.04E-05	2.19E-02	4.34E-03	1.08E-01
4214	498363.09	3855877.25	6.66E-02	3.43E-05	2.03E-02	4.25E-03	9.13E-02	8.80E-02	3.29E+00	2.03E-01	2.17E-02	3.60E+00	8.54E-02	4.15E-05	2.03E-02	4.25E-03	1.10E-01
4215	471363.09	3856377.25	6.94E-02	3.23E-05	2.73E-02	4.33E-03	1.01E-01	9.17E-02	3.10E+00	2.73E-01	2.21E-02	3.49E+00	8.90E-02	3.92E-05	2.73E-02	4.33E-03	1.21E-01
4216	471863.09	3856377.25	7.01E-02	3.38E-05	3.09E-02	4.40E-03	1.05E-01	9.26E-02	3.25E+00	3.09E-01	2.25E-02	3.67E+00	8.99E-02	4.10E-05	3.09E-02	4.40E-03	1.25E-01
4217	472363.09	3856377.25	7.34E-02	3.51E-05	3.77E-02	4.47E-03	1.16E-01	9.70E-02	3.37E+00	3.77E-01	2.28E-02	3.87E+00	9.41E-02	4.26E-05	3.77E-02	4.47E-03	1.36E-01
4218	472863.09	3856377.25	7.77E-02	3.74E-05	4.61E-02	5.07E-03	1.29E-01	1.03E-01	3.59E+00	4.61E-01	2.59E-02	4.18E+00	9.96E-02	4.53E-05	4.61E-02	5.07E-03	1.51E-01
4219	473363.09	3856377.25	8.08E-02	4.14E-05	5.36E-02	5.62E-03	1.40E-01	1.07E-01	3.97E+00	5.36E-01	2.87E-02	4.64E+00	1.04E-01	5.02E-05	5.36E-02	5.62E-03	1.63E-01
4220	473863.09	3856377.25	8.73E-02	5.15E-05	6.28E-02	6.77E-03	1.57E-01	1.15E-01	4.94E+00	6.28E-01	3.46E-02	5.72E+00	1.12E-01	6.24E-05	6.28E-02	6.77E-03	1.82E-01
4221	474363.09	3856377.25	8.37E-02	4.30E-05	6.66E-02	6.16E-03	1.57E-01	1.11E-01	4.13E+00	6.66E-01	3.15E-02	4.93E+00	1.07E-01	5.21E-05	6.66E-02	6.16E-03	1.80E-01
4222	474863.09	3856377.25	7.72E-02	3.69E-05	1.06E-01	7.38E-03	1.91E-01	1.02E-01	3.54E+00	1.06E+00	3.77E-02	4.74E+00	9.90E-02	4.47E-05	1.06E-01	7.38E-03	2.13E-01
4223	475363.09	3856377.25	5.45E-02	3.93E-05	4.84E-02	5.08E-03	1.08E-01	7.20E-02	3.77E+00	4.84E-01	2.59E-02	4.35E+00	6.99E-02	4.76E-05	4.84E-02	5.08E-03	1.23E-01
4224	475863.09	3856377.25	3.09E-02	4.27E-05	1.47E-02	5.21E-03	5.09E-02	4.08E-02	4.09E+00	1.47E-01	2.66E-02	4.31E+00	3.96E-02	5.17E-05	1.47E-02	5.21E-03	5.96E-02
4225	476363.09	3856377.25	3.00E-02	4.50E-05	1.61E-02	5.31E-03	5.14E-02	3.96E-02	4.32E+00	1.61E-01	2.71E-02	4.54E+00	3.84E-02	5.45E-05	1.61E-02	5.31E-03	5.99E-02
4226	476863.09	3856377.25	3.04E-02	4.57E-05	1.77E-02	5.32E-03	5.35E-02	4.02E-02	4.38E+00	1.77E-01	2.72E-02	4.63E+00	3.90E-02	5.53E-05	1.77E-02	5.32E-03	6.21E-02
4227	477363.09	3856377.25	3.18E-02	4.44E-05	1.95E-02	5.37E-03	5.66E-02	4.20E-02	4.26E+00	1.95E-01	2.75E-02	4.53E+00	4.07E-02	5.38E-05	1.95E-02	5.37E-03	6.56E-02
4228	477863.09	3856377.25	2.77E-02	4.13E-05	2.12E-02	5.61E-03	5.45E-02	3.66E-02	3.96E+00	2.12E-01	2.86E-02	4.23E+00	3.55E-02	5.00E-05	2.12E-02	5.61E-03	6.23E-02
4229	478363.09	3856377.25	2.60E-02	3.64E-05	1.96E-02	5.80E-03	5.14E-02	3.43E-02	3.49E+00	1.96E-01	2.96E-02	3.75E+00	3.33E-02	4.40E-05	1.96E-02	5.80E-03	5.87E-02
4230	478863.09	3856377.25	3.96E-02	3.03E-05	2.46E-02	6.58E-03	7.09E-02	5.24E-02	2.90E+00	2.46E-01	3.36E-02	3.23E+00	5.08E-02	3.67E-05	2.46E-02	6.58E-03	8.21E-02
4231	479363.09	3856377.25	4.65E-02	3.23E-05	2.96E-02	7.00E-03	8.31E-02	6.14E-02	3.10E+00	2.96E-01	3.57E-02	3.49E+00	5.96E-02	3.91E-05	2.96E-02	7.00E-03	9.62E-02
4232	479863.09	3856377.25	1.28E-01	4.23E-05	8.15E-02	1.29E-02	2.22E-01	1.68E-01	4.06E+00	8.15E-01	6.58E-02	5.11E+00	1.64E-01	5.13E-05	8.15E-02	1.29E-02	2.58E-01
4233	480363.09	3856377.25	2.17E-01	7.35E-05	9.09E-02	1.95E-02	3.27E-01	2.87E-01	7.05E+00	9.09E-01	9.96E-02	8.34E+00	2.78E-01	8.90E-05	9.09E-02	1.95E-02	3.89E-01
4234	480863.09	3856377.25	2.71E-01	1.05E-04	7.02E-02	1.31E-02	3.54E-01	3.58E-01	1.00E+01	7.02E-01	6.69E-02	1.12E+01	3.47E-01	1.27E-04	7.02E-02	1.31E-02	4.31E-01
4235	481363.09	3856377.25	3.15E-01	1.38E-04	4.40E-02	9.35E-03	3.68E-01	4.16E-01	1.32E+01	4.40E-01	4.78E-02	1.41E+01	4.03E-01	1.67E-04	4.40E-02	9.35E-03	4.57E-01
4236	481863.09	3856377.25	3.66E-01	3.03E-04	3.76E-02	9.93E-03	4.14E-01	4.84E-01	2.90E+01	3.76E-01	5.07E-02	2.99E+01	4.70E-01	3.67E-04	3.76E-02	9.93E-03	5.18E-01
4237	482363.09	3856377.25	4.50E-01	6.40E-04	3.86E-02	1.14E-02	5.01E-01	5.95E-01	6.14E+01	3.86E-01	5.82E-02	6.24E+01	5.77E-01	7.76E-04	3.86E-02	1.14E-02	6.28E-01
4238	482863.09	3856377.25	4.99E-01	8.61E-04	3.67E-02	1.28E-02	5.49E-01	6.59E-01	8.26E+01	3.67E-01	6.53E-02	8.37E+01	6.40E-01	1.04E-03	3.67E-02	1.28E-02	6.90E-01
4239	483363.09	3856377.25	5.39E-01	1.48E-03	4.04E-02	2.00E-02	6.01E-01	7.12E-01	1.42E+02	4.04E-01	1.02E-01	1.44E+02	6.91E-01	1.80E-03	4.04E-02	2.00E-02	7.53E-01
4240	483863.09	3856377.25	7.52E-01	1.38E-03	4.15E-02	1.04E-01	8.98E-01	9.93E-01	1.32E+02	4.15E-01	5.29E-01	1.34E+02	9.64E-01	1.67E-03	4.15E-02	1.04E-01	1.11E+00
4241	484363.09	3856377.25	9.50E-01	1.48E-03	3.90E-02	4.20E-02	1.03E+00	1.26E+00	1.42E+02	3.90E-01	2.15E-01	1.44E+02	1.22E+00	1.80E-03	3.90E-02	4.20E-02	1.30E+00
4242	484863.09	3856377.25	1.20E+00	9.15E-04	2.37E-02	4.47E-02	1.27E+00	1.59E+00	8.78E+01	2.37E-01	2.28E-01	8.98E+01	1.54E+00	1.11E-03	2.37E-02	4.47E-02	1.61E+00
4243	485363.09	3856377.25	1.80E+00	5.49E-04	3.42E-02	3.88E-02	1.88E+00	2.38E+00	5.26E+01	3.42E-01	1.98E-01	5.55E+01	2.31E+00	6.65E-04	3.42E-02	3.88E-02	2.38E+00
4244	485863.09	3856377.25	4.48E+00	3.39E-04	5.85E-02	3.39E-02	4.57E+00	5.91E+00	3.25E+01	5.85E-01	1.73E-01	3.92E+01	5.74E+00	4.10E-04	5.85E-02	3.39E-02	5.83E+00
4245	486363.09	3856377.25	2.99E+00	1.66E-04	5.85E-02	3.20E-02	3.08E+00	3.95E+00	1.59E+01	5.85E-01	1.64E-01	2.06E+01	3.83E+00	2.01E-04	5.85E-02	3.20E-02	3.92E+00
4246	486863.09	3856377.25	1.82E+00	1.57E-04	3.76E-02	2.40E-02	1.88E+00	2.40E+00	1.50E+01	3.76E-01	1.23E-01	1.79E+01	2.33E+00	1.90E-04	3.76E-02	2.40E-02	2.39E+00
4247	487363.09	3856377.25	1.45E+00	1.56E-04	8.12E-02	1.75E-02	1.55E+00	1.92E+00	1.50E+01	8.12E-01	8.95E-02	1.78E+01	1.86E+00	1.90E-04	8.12E-02	1.75E-02	1.96E+00
4248	487863.09	3856377.25	1.22E+00	1.83E-04	6.33E-02	1.20E-02	1.30E+00	1.62E+00	1.75E+01	6.33E-01	6.13E-02	1.98E+01	1.57E+00	2.22E-04	6.33E-02	1.20E-02	1.64E+00
4249	488363.09	3856377.25	1.04E+00	1.88E-04	6.38E-02	9.91E-03	1.11E+00	1.37E+00	1.80E+01	6.38E-01	5.06E-02	2.01E+01	1.33E+00	2.28E-04	6.38E-02	9.91E-03	1.41E+00
4250	488863.09	3856377.25	8.32E-01	1.82E-04	7.26E-02	9.46E-03	9.14E-01	1.10E+00	1.75E+01	7.26E-01	4.83E-02	1.93E+01	1.07E+00	2.21E-04	7.26E-02	9.46E-03	1.15E+00
4251	489363.09	3856377.25	6.72E-01	1.71E-04	5.31E-02	9.97E-03	7.35E-01	8.87E-01	1.64E+01	5.31E-01	5.09E-02	1.79E+01	8.61E-01	2.08E-04	5.31E-02	9.97E-03	9.24E-01
4252	489863.09	3856377.25	5.81E-01	1.63E-04	6.78E-02	1.23E-02	6.61E-01	7.67E-01	1.56E+01	6.78E-01	6.29E-02	1.71E+01	7.45E-01	1.97E-04	6.78E-02	1.23E-02	8.25E-01
4253	490363.09	3856377.25	5.10E-01	1.48E-04	4.77E-02	1.12E-02	5.69E-01	6.74E-01	1.42E+01	4.77E-01	5.72E-02	1.54E+01	6.54E-01	1.80E-04	4.77E-02	1.12E-02	7.13E-01
4254	490863.09	3856377.25	4.43E-01	1.41E-04	7.23E-02	7.84E-03	5.23E-01	5.85E-01	1.35E+01	7.23E-01	4.00E-02	1.49E+01	5.68E-01	1.71E-04	7.23E-02	7.84E-03	6.48E-01
4255	491363.09	3856377.25	3.85E-01	1.39E-04	6.58E-02	1.19E-02	4.63E-01	5.08E-01	1.34E+01	6.58E-01	6.09E-02	1.46E+01	4.93E-01	1.69E-04	6.58E-02	1.19E-02	5.71E-01
4256	491863.09	3856377.25	3.34E-01	1.34E-04	9.06E-02	1.70E-02	4.42E-01	4.41E-01	1.28E+01	9.06E-01	8.70E-02	1.43E+01	4.28E-01	1.62E-04	9.06E-02	1.70E-02	5.36E-01
4257	492363.09	3856377.25	2.84E-01	8.78E-05	1.11E-01	1.34E-02	4.08E-01	3.75E-01	8.42E+00	1.11E+00	6.82E-02	9.97E+00	3.64E-01	1.06E-04	1.11E-01	1.34E-02	4.88E-01
4258	492863.09	3856377.25	2.08E-01	6.62E-05	1.08E-01	8.66E-03	3.26E-01	2.75E-01	6.35E+00	1.08E+00	4.42E-02	7.76E+00	2.67E-01	8.02E-05	1.08E-01	8.66E-03	3.84E-01
4259	493363.09	3856377.25	1.07E-01	4.86E-05	3.38E-02	6.40E-03	1.47E-01	1.41E-01	4.67E+00	3.38E-01	3.27E-02	5.18E+00	1.37E-01	5.89E-05	3.38E-02	6.40E-03	1.77E-01
4260	493863.09	3856377.25	8.88E-02	4.41E-05	3.61E-02	5.10E-03	1.30E-01	1.17E-01	4.23E+00	3.61E-01	2.60E-02	4.73E+00	1.14E-01	5.34E-05	3.61E-02	5.10E-03	1.55E-01
4261	494363.09	3856377.25	7.17E-02	3.98E-05	3.42E-02	5.03E-03	1.11E-01	9.47E-02	3.81E+00	3.42E-01	2.57E-02	4.28E+00	9.20E-02	4.82E-05	3.42E-02	5.03E-03	1.31E-01
4262	494863.09	3856377.25	5.93E-02	3.68E-05	2.62E-02	4.93E-03	9.04E-02	7.83E-02	3.52E+00	2.62E-01	2.52E-02	3.89E+00	7.60E-02	4.45E-05	2.62E-02	4.93E-03	1.07E-01
4263	495363.09	3856377.25	5.29E-02	3.52E-05	2.10E-02	3.70E-03	7.76E-02	6.98E-02	3.38E+00	2.10E-01	1.89E-02	3.67E+00	6.78E-02	4.26E-05	2.10E-02	3.70E-03	9.25E-02
4264	495863.09	3856377.25	5.11E-02	3.47E-05	1.96E-02	3.51E-03	7.43E-02	6.75E-02	3.33E+00	1.96E-01	1.79E-02	3.61E+00	6.56E-02	4.21E-05	1.96E-02	3.51E-03	8.87E-02
4265	496363.09	3856377.25	5.05E-02	3.45E-05	1.85E-02	3.24E-03	7.23E-02	6.67E-02	3.31E+00	1.85E-01	1.66E-02	3.58E+00	6.47E-02	4.18E-05	1.85E-02	3.24E-03	8.65E-02
4266	496863.09	3856377.25	5.16E-02	3.47E-05	2.34E-02	4.45E-03	7.95E-02	6.82E-02	3.33E+00	2.34E-01	2.27E-02	3.65E+00	6.62E-02	4.20E-05	2.34E-02	4.45E-03	9.41E-02

4267	497363.09	3856377.25	5.28E-02	3.49E-05	2.25E-02	4.38E-03	7.96E-02	6.97E-02	3.35E+00	2.25E-01	2.24E-02	3.67E+00	6.77E-02	4.23E-05	2.25E-02	4.38E-03	9.45E-02
4268	497863.09	3856377.25	5.50E-02	3.55E-05	2.12E-02	4.32E-03	8.06E-02	7.26E-02	3.41E+00	2.12E-01	2.21E-02	3.72E+00	7.05E-02	4.31E-05	2.12E-02	4.32E-03	9.61E-02
4269	498363.09	3856377.25	5.80E-02	3.65E-05	2.13E-02	4.26E-03	8.36E-02	7.66E-02	3.50E+00	2.13E-01	2.18E-02	3.81E+00	7.43E-02	4.42E-05	2.13E-02	4.26E-03	9.99E-02
4270	471363.09	3856877.25	5.20E-02	3.28E-05	2.59E-02	5.78E-03	8.37E-02	6.87E-02	3.15E+00	2.59E-01	2.95E-02	3.51E+00	6.66E-02	3.98E-05	2.59E-02	5.78E-03	9.84E-02
4271	471863.09	3856877.25	5.43E-02	3.12E-05	2.42E-02	5.32E-03	8.39E-02	7.17E-02	2.99E+00	2.42E-01	2.72E-02	3.33E+00	6.96E-02	3.78E-05	2.42E-02	5.32E-03	9.92E-02
4272	472363.09	3856877.25	5.86E-02	3.39E-05	2.40E-02	5.75E-03	8.85E-02	7.74E-02	3.25E+00	2.40E-01	2.94E-02	3.59E+00	7.52E-02	4.10E-05	2.40E-02	5.75E-03	1.05E-01
4273	472863.09	3856877.25	6.25E-02	3.62E-05	2.35E-02	6.08E-03	9.21E-02	8.26E-02	3.47E+00	2.35E-01	3.11E-02	3.82E+00	8.01E-02	4.39E-05	2.35E-02	6.08E-03	1.10E-01
4274	473363.09	3856877.25	6.83E-02	4.31E-05	2.35E-02	7.46E-03	9.92E-02	9.02E-02	4.13E+00	2.35E-01	3.81E-02	4.49E+00	8.75E-02	5.22E-05	2.35E-02	7.46E-03	1.19E-01
4275	473863.09	3856877.25	7.17E-02	4.37E-05	2.27E-02	7.48E-03	1.02E-01	9.48E-02	4.19E+00	2.27E-01	3.82E-02	4.55E+00	9.20E-02	5.30E-05	2.27E-02	7.48E-03	1.22E-01
4276	474363.09	3856877.25	6.96E-02	3.69E-05	2.51E-02	6.16E-03	1.01E-01	9.20E-02	3.54E+00	2.51E-01	3.15E-02	3.91E+00	8.93E-02	4.47E-05	2.51E-02	6.16E-03	1.21E-01
4277	474863.09	3856877.25	6.46E-02	3.69E-05	4.32E-02	7.64E-03	1.15E-01	8.54E-02	3.54E+00	4.32E-01	3.90E-02	4.09E+00	8.28E-02	4.47E-05	4.32E-02	7.64E-03	1.34E-01
4278	475363.09	3856877.25	5.26E-02	3.82E-05	2.68E-02	4.76E-03	8.43E-02	6.95E-02	3.67E+00	2.68E-01	2.43E-02	4.03E+00	6.75E-02	4.63E-05	2.68E-02	4.76E-03	9.91E-02
4279	475863.09	3856877.25	5.05E-02	3.93E-05	2.75E-02	5.01E-03	8.31E-02	6.68E-02	3.77E+00	2.75E-01	2.56E-02	4.13E+00	6.48E-02	4.76E-05	2.75E-02	5.01E-03	9.74E-02
4280	476363.09	3856877.25	3.95E-02	3.99E-05	2.35E-02	5.29E-03	6.84E-02	5.22E-02	3.82E+00	2.35E-01	2.70E-02	4.14E+00	5.06E-02	4.83E-05	2.35E-02	5.29E-03	7.95E-02
4281	476863.09	3856877.25	3.48E-02	3.99E-05	2.35E-02	5.57E-03	6.40E-02	4.60E-02	3.83E+00	2.35E-01	2.84E-02	4.14E+00	4.47E-02	4.83E-05	2.35E-02	5.57E-03	7.38E-02
4282	477363.09	3856877.25	2.99E-02	3.95E-05	2.34E-02	5.87E-03	5.92E-02	3.95E-02	3.79E+00	2.34E-01	3.00E-02	4.10E+00	3.84E-02	4.79E-05	2.34E-02	5.87E-03	6.77E-02
4283	477863.09	3856877.25	2.38E-02	4.35E-05	1.53E-02	6.25E-03	4.53E-02	3.14E-02	4.17E+00	1.53E-01	3.19E-02	4.38E+00	3.05E-02	5.27E-05	1.53E-02	6.25E-03	5.21E-02
4284	478363.09	3856877.25	2.98E-02	4.62E-05	1.55E-02	6.58E-03	5.19E-02	3.94E-02	4.43E+00	1.55E-01	3.36E-02	4.65E+00	3.82E-02	5.59E-05	1.55E-02	6.58E-03	6.04E-02
4285	478863.09	3856877.25	3.74E-02	4.69E-05	1.72E-02	6.85E-03	6.15E-02	4.94E-02	4.50E+00	1.72E-01	3.50E-02	4.76E+00	4.80E-02	5.69E-05	1.72E-02	6.85E-03	7.21E-02
4286	479363.09	3856877.25	4.33E-02	4.57E-05	1.95E-02	7.17E-03	7.00E-02	5.72E-02	4.38E+00	1.95E-01	3.66E-02	4.67E+00	5.55E-02	5.53E-05	1.95E-02	7.17E-03	8.22E-02
4287	479863.09	3856877.25	1.03E-01	4.78E-05	1.74E-01	3.13E-02	3.08E-01	1.36E-01	4.59E+00	1.74E+00	1.60E-01	6.62E+00	1.32E-01	5.79E-05	1.74E-01	3.13E-02	3.37E-01
4288	480363.09	3856877.25	1.76E-01	6.23E-05	2.14E-01	5.54E-02	4.46E-01	2.33E-01	5.97E+00	2.14E+00	2.83E-01	8.63E+00	2.26E-01	7.54E-05	2.14E-01	5.54E-02	4.95E-01
4289	480863.09	3856877.25	2.91E-01	9.62E-05	6.32E-02	1.67E-02	3.71E-01	3.85E-01	9.22E+00	6.32E-01	8.52E-02	1.03E+01	3.74E-01	1.17E-04	6.32E-02	1.67E-02	4.54E-01
4290	481363.09	3856877.25	3.77E-01	1.71E-04	3.09E-02	8.35E-03	4.16E-01	4.98E-01	1.64E+01	3.09E-01	4.26E-02	1.73E+01	4.83E-01	2.08E-04	3.09E-02	8.35E-03	5.23E-01
4291	481863.09	3856877.25	4.23E-01	2.44E-04	3.36E-02	9.16E-03	4.66E-01	5.59E-01	2.34E+01	3.36E-01	4.68E-02	2.43E+01	5.43E-01	2.95E-04	3.36E-02	9.16E-03	5.86E-01
4292	482363.09	3856877.25	4.19E-01	5.57E-04	3.68E-02	9.46E-03	4.66E-01	5.53E-01	5.34E+01	3.68E-01	4.83E-02	5.44E+01	5.37E-01	6.74E-04	3.68E-02	9.46E-03	5.84E-01
4293	482863.09	3856877.25	4.36E-01	7.83E-04	4.04E-02	9.35E-03	4.87E-01	5.76E-01	7.51E+01	4.04E-01	4.77E-02	7.61E+01	5.59E-01	9.49E-04	4.04E-02	9.35E-03	6.10E-01
4294	483363.09	3856877.25	4.69E-01	1.27E-03	4.32E-02	3.66E-02	5.50E-01	6.19E-01	1.22E+02	4.32E-01	1.87E-01	1.23E+02	6.01E-01	1.54E-03	4.32E-02	3.66E-02	6.82E-01
4295	483863.09	3856877.25	5.19E-01	1.54E-03	4.45E-02	2.83E-02	5.93E-01	6.86E-01	1.47E+02	4.45E-01	1.44E-01	1.49E+02	6.65E-01	1.86E-03	4.45E-02	2.83E-02	7.40E-01
4296	484363.09	3856877.25	6.38E-01	1.67E-03	4.63E-02	3.87E-02	7.24E-01	8.42E-01	1.60E+02	4.63E-01	1.98E-01	1.61E+02	8.18E-01	2.02E-03	4.63E-02	3.87E-02	9.05E-01
4297	484863.09	3856877.25	7.26E-01	1.71E-03	4.50E-02	6.27E-02	8.35E-01	9.59E-01	1.64E+02	4.50E-01	3.20E-01	1.65E+02	9.30E-01	2.07E-03	4.50E-02	6.27E-02	1.04E+00
4298	485363.09	3856877.25	9.55E-01	1.11E-03	4.04E-02	3.46E-02	1.03E+00	1.26E+00	1.06E+02	4.04E-01	1.77E-01	1.08E+02	1.22E+00	1.34E-03	4.04E-02	3.46E-02	1.30E+00
4299	485863.09	3856877.25	1.46E+00	6.96E-04	2.95E-02	3.64E-02	1.52E+00	1.92E+00	6.67E+01	2.95E-01	1.86E-01	6.92E+01	1.87E+00	8.43E-04	2.95E-02	3.64E-02	1.93E+00
4300	486363.09	3856877.25	4.06E+00	2.40E-04	6.05E-02	3.67E-02	4.15E+00	5.36E+00	2.30E+01	6.05E-01	1.87E-01	2.92E+01	5.20E+00	2.91E-04	6.05E-02	3.67E-02	5.30E+00
4301	486863.09	3856877.25	4.69E+00	2.28E-04	7.49E-02	2.58E-02	4.79E+00	6.19E+00	2.19E+01	7.49E-01	1.32E-01	2.90E+01	6.01E+00	2.77E-04	7.49E-02	2.58E-02	6.11E+00
4302	487363.09	3856877.25	2.25E+00	2.39E-04	6.11E-02	1.89E-02	2.33E+00	2.97E+00	2.30E+01	6.11E-01	9.64E-02	2.66E+01	2.88E+00	2.90E-04	6.11E-02	1.89E-02	2.96E+00
4303	487863.09	3856877.25	1.23E+00	2.54E-04	9.52E-02	1.36E-02	1.34E+00	1.63E+00	2.44E+01	9.52E-01	6.94E-02	2.70E+01	1.58E+00	3.08E-04	9.52E-02	1.36E-02	1.69E+00
4304	488363.09	3856877.25	9.31E-01	2.63E-04	9.45E-02	9.25E-03	1.04E+00	1.23E+00	2.52E+01	9.45E-01	4.72E-02	2.74E+01	1.19E+00	3.19E-04	9.45E-02	9.25E-03	1.30E+00
4305	488863.09	3856877.25	7.47E-01	2.51E-04	8.48E-02	9.18E-03	8.41E-01	9.87E-01	2.40E+01	8.48E-01	4.69E-02	2.59E+01	9.57E-01	3.04E-04	8.48E-02	9.18E-03	1.05E+00
4306	489363.09	3856877.25	6.06E-01	2.54E-04	7.48E-02	1.02E-02	6.92E-01	8.01E-01	2.44E+01	7.48E-01	5.23E-02	2.60E+01	7.77E-01	3.08E-04	7.48E-02	1.02E-02	8.63E-01
4307	489863.09	3856877.25	5.29E-01	2.26E-04	6.67E-02	1.01E-02	6.06E-01	6.98E-01	2.16E+01	6.67E-01	5.18E-02	2.31E+01	6.78E-01	2.73E-04	6.67E-02	1.01E-02	7.55E-01
4308	490363.09	3856877.25	4.62E-01	1.98E-04	5.56E-02	8.56E-03	5.26E-01	6.10E-01	1.90E+01	5.56E-01	4.37E-02	2.02E+01	5.92E-01	2.40E-04	5.56E-02	8.56E-03	6.56E-01
4309	490863.09	3856877.25	3.99E-01	1.79E-04	6.55E-02	9.78E-03	4.74E-01	5.27E-01	1.72E+01	6.55E-01	5.00E-02	1.84E+01	5.11E-01	2.17E-04	6.55E-02	9.78E-03	5.87E-01
4310	491363.09	3856877.25	3.49E-01	1.63E-04	5.82E-02	1.32E-02	4.20E-01	4.61E-01	1.56E+01	5.82E-01	6.75E-02	1.67E+01	4.47E-01	1.97E-04	5.82E-02	1.32E-02	5.19E-01
4311	491863.09	3856877.25	3.21E-01	1.39E-04	7.19E-02	1.18E-02	4.05E-01	4.24E-01	1.33E+01	7.19E-01	6.05E-02	1.45E+01	4.12E-01	1.68E-04	7.19E-02	1.18E-02	4.96E-01
4312	492363.09	3856877.25	2.52E-01	7.17E-05	1.40E-01	1.85E-02	4.11E-01	3.33E-01	6.88E+00	1.40E+00	9.45E-02	8.71E+00	3.23E-01	8.69E-05	1.40E-01	1.85E-02	4.82E-01
4313	492863.09	3856877.25	1.58E-01	5.66E-05	1.15E-01	1.06E-02	2.83E-01	2.08E-01	5.43E+00	1.15E+00	5.43E-02	6.84E+00	2.02E-01	6.86E-05	1.15E-01	1.06E-02	3.28E-01
4314	493363.09	3856877.25	8.80E-02	4.47E-05	4.45E-02	7.15E-03	1.40E-01	1.16E-01	4.29E+00	4.45E-01	3.65E-02	4.88E+00	1.13E-01	5.41E-05	4.45E-02	7.15E-03	1.65E-01
4315	493863.09	3856877.25	5.05E-02	3.60E-05	3.00E-02	5.58E-03	8.61E-02	6.67E-02	3.45E+00	3.00E-01	2.85E-02	3.85E+00	6.47E-02	4.36E-05	3.00E-02	5.58E-03	1.00E-01
4316	494363.09	3856877.25	3.57E-02	3.05E-05	2.80E-02	5.54E-03	6.92E-02	4.71E-02	2.92E+00	2.80E-01	2.83E-02	3.28E+00	4.57E-02	3.69E-05	2.80E-02	5.54E-03	7.93E-02
4317	494863.09	3856877.25	3.20E-02	2.82E-05	2.76E-02	5.41E-03	6.51E-02	4.23E-02	2.70E+00	2.76E-01	2.77E-02	3.05E+00	4.10E-02	3.41E-05	2.76E-02	5.41E-03	7.41E-02
4318	495363.09	3856877.25	2.97E-02	2.70E-05	2.81E-02	3.88E-03	6.16E-02	3.92E-02	2.58E+00	2.81E-01	1.98E-02	2.92E+00	3.81E-02	3.26E-05	2.81E-02	3.88E-03	7.00E-02
4319	495863.09	3856877.25	2.90E-02	2.66E-05	2.81E-02	3.93E-03	6.10E-02	3.83E-02	2.55E+00	2.81E-01	2.01E-02	2.89E+00	3.72E-02	3.22E-05	2.81E-02	3.93E-03	6.92E-02
4320	496363.09	3856877.25	2.86E-02	2.64E-05	2.79E-02	4.98E-03	6.15E-02	3.78E-02	2.53E+00	2.79E-01	2.54E-02	2.87E+00	3.66E-02	3.19E-05	2.79E-02	4.98E-03	6.95E-02
4321	496863.09	3856877.25	2.87E-02	2.66E-05	2.75E-02	4.94E-03	6.12E-02	3.80E-02	2.55E+00	2.75E-01	2.52E-02	2.89E+00	3.68E-02	3.22E-05	2.75E-02	4.94E-03	6.93E-02
4322	497363.09	3856877.25	2.98E-02	2.73E-05	2.69E-02	4.82E-03	6.16E-02	3.94E-02	2.61E+00	2.69E-01	2.46E-02	2.95E+00	3.82E-02	3.30E-05	2.69E-02	4.82E-03	7.00E-02
4323	497863.09	3856877.25	3.31E-02	2.89E-05	2.61E-02	4.70E-03	6.39E-02	4.37E-02	2.77E+00	2.61E-01	2.40E-02	3.10E+00	4.24E-02	3.50E-05	2.61E-02	4.70E-03	7.33E-02
4324	498363.09	3856877.25	3.77E-02	3.12E-05	2.53E-02	4.59E-03	6.76E-02	4.98E-02	2.99E+00	2.53E-01	2.34E-02	3.32E+00	4.83E-02	3.78E-05	2.53E-02	4.59E-03	7.82E-02
4325	471363.09	3857377.25	5.32E-02	3.08E-05	5.03E-02	7.29E-03	1.11E-01	7.02E-02	2.96E+00	5.03E-01	3.72E-02	3.57E+00	6.82E-02	3.73E-05	5.03E-02	7.29E-03	1.26E-01
4326	471863.09	3857377.25	5.51E-02	3.08E-05	5.04E-02	7.21E-03	1.13E-01	7.29E-02	2.95E+00	5.04E-01	3.68E-02	3.56E+00	7.07E-02	3.73E-05	5.04E-02	7.21E-03	1.28E-01
4327	472363.09	3857377.25	5.82E-02	3.16E-05	5.20E-02	7.60E-03	1.18E-01	7.69E-02	3.03E+00	5.20E-01	3.88E-02	3.66E+00	7.47E-02	3.83E-05	5.20E-02	7.60E-03	1.34E-01

4328	472863.09	3857377.25	6.16E-02	3.31E-05	5.41E-02	8.16E-03	1.24E-01	8.14E-02	3.18E+00	5.41E-01	4.17E-02	3.84E+00	7.90E-02	4.01E-05	5.41E-02	8.16E-03	1.41E-01
4329	473363.09	3857377.25	6.56E-02	3.78E-05	5.60E-02	9.20E-03	1.31E-01	8.66E-02	3.62E+00	5.60E-01	4.70E-02	4.32E+00	8.40E-02	4.58E-05	5.60E-02	9.20E-03	1.49E-01
4330	473863.09	3857377.25	6.99E-02	4.51E-05	5.61E-02	1.05E-02	1.37E-01	9.23E-02	4.33E+00	5.61E-01	5.35E-02	5.03E+00	8.96E-02	5.46E-05	5.61E-02	1.05E-02	1.56E-01
4331	474363.09	3857377.25	6.50E-02	3.52E-05	5.62E-02	8.03E-03	1.29E-01	8.58E-02	3.38E+00	5.62E-01	4.10E-02	4.07E+00	8.33E-02	4.27E-05	5.62E-02	8.03E-03	1.48E-01
4332	474863.09	3857377.25	4.56E-02	2.81E-05	4.52E-02	5.88E-03	9.67E-02	6.03E-02	2.69E+00	4.52E-01	3.01E-02	3.23E+00	5.85E-02	3.40E-05	4.52E-02	5.88E-03	1.10E-01
4333	475363.09	3857377.25	3.20E-02	3.02E-05	2.67E-02	5.55E-03	6.42E-02	4.22E-02	2.89E+00	2.67E-01	2.83E-02	3.23E+00	4.10E-02	3.66E-05	2.67E-02	5.55E-03	7.32E-02
4334	475863.09	3857377.25	3.03E-02	3.23E-05	2.74E-02	5.78E-03	6.35E-02	4.00E-02	3.10E+00	2.74E-01	2.95E-02	3.44E+00	3.88E-02	3.91E-05	2.74E-02	5.78E-03	7.21E-02
4335	476363.09	3857377.25	3.99E-02	3.44E-05	2.84E-02	5.95E-03	7.44E-02	5.27E-02	3.30E+00	2.84E-01	3.04E-02	3.67E+00	5.12E-02	4.17E-05	2.84E-02	5.95E-03	8.56E-02
4336	476863.09	3857377.25	4.09E-02	3.65E-05	2.94E-02	6.16E-03	7.64E-02	5.40E-02	3.50E+00	2.94E-01	3.14E-02	3.88E+00	5.24E-02	4.43E-05	2.94E-02	6.16E-03	8.80E-02
4337	477363.09	3857377.25	3.77E-02	3.86E-05	3.02E-02	6.42E-03	7.44E-02	4.98E-02	3.70E+00	3.02E-01	3.28E-02	4.08E+00	4.83E-02	4.67E-05	3.02E-02	6.42E-03	8.50E-02
4338	477863.09	3857377.25	4.17E-02	4.04E-05	1.96E-02	6.81E-03	6.82E-02	5.51E-02	3.88E+00	1.96E-01	3.48E-02	4.16E+00	5.35E-02	4.90E-05	1.96E-02	6.81E-03	7.99E-02
4339	478363.09	3857377.25	4.32E-02	4.19E-05	2.02E-02	7.33E-03	7.08E-02	5.71E-02	4.02E+00	2.02E-01	3.74E-02	4.32E+00	5.54E-02	5.08E-05	2.02E-02	7.33E-03	8.31E-02
4340	478863.09	3857377.25	4.34E-02	4.29E-05	2.09E-02	7.88E-03	7.23E-02	5.73E-02	4.11E+00	2.09E-01	4.03E-02	4.42E+00	5.56E-02	5.20E-05	2.09E-02	7.88E-03	8.45E-02
4341	479363.09	3857377.25	4.33E-02	4.31E-05	2.16E-02	8.14E-03	7.31E-02	5.72E-02	4.14E+00	2.16E-01	4.16E-02	4.45E+00	5.55E-02	5.23E-05	2.16E-02	8.14E-03	8.54E-02
4342	479863.09	3857377.25	8.64E-02	4.45E-05	4.37E-02	1.48E-02	1.45E-01	1.14E-01	4.27E+00	4.37E-01	7.55E-02	4.89E+00	1.11E-01	5.39E-05	4.37E-02	1.48E-02	1.69E-01
4343	480363.09	3857377.25	6.17E-02	4.73E-05	3.62E-02	7.65E-03	1.06E-01	8.15E-02	4.54E+00	3.62E-01	3.91E-02	5.02E+00	7.91E-02	5.74E-05	3.62E-02	7.65E-03	1.23E-01
4344	480863.09	3857377.25	2.43E-01	1.14E-04	4.57E-02	1.97E-02	3.08E-01	3.21E-01	1.09E+01	4.57E-01	1.01E-01	1.18E+01	3.11E-01	1.38E-04	4.57E-02	1.97E-02	3.77E-01
4345	481363.09	3857377.25	2.51E-01	1.13E-04	4.37E-02	1.42E-02	3.09E-01	3.31E-01	1.08E+01	4.37E-01	7.28E-02	1.17E+01	3.21E-01	1.37E-04	4.37E-02	1.42E-02	3.80E-01
4346	481863.09	3857377.25	2.82E-01	1.64E-04	3.91E-02	1.08E-02	3.32E-01	3.73E-01	1.57E+01	3.91E-01	5.50E-02	1.66E+01	3.62E-01	1.99E-04	3.91E-02	1.08E-02	4.12E-01
4347	482363.09	3857377.25	2.95E-01	3.35E-04	3.99E-02	1.17E-02	3.47E-01	3.90E-01	3.21E+01	3.99E-01	6.00E-02	3.29E+01	3.79E-01	4.05E-04	3.99E-02	1.17E-02	4.31E-01
4348	482863.09	3857377.25	3.15E-01	4.70E-04	3.97E-02	1.62E-02	3.71E-01	4.16E-01	4.50E+01	3.97E-01	8.26E-02	4.59E+01	4.03E-01	5.69E-04	3.97E-02	1.62E-02	4.60E-01
4349	483363.09	3857377.25	3.74E-01	6.91E-04	3.89E-02	1.85E-02	4.32E-01	4.95E-01	6.63E+01	3.89E-01	9.43E-02	6.72E+01	4.80E-01	8.37E-04	3.89E-02	1.85E-02	5.38E-01
4350	483863.09	3857377.25	4.79E-01	9.63E-04	4.02E-02	3.08E-02	5.51E-01	6.32E-01	9.23E+01	4.02E-01	1.57E-01	9.35E+01	6.14E-01	1.17E-03	4.02E-02	3.08E-02	6.86E-01
4351	484363.09	3857377.25	5.33E-01	1.04E-03	4.60E-02	8.70E-03	5.89E-01	7.04E-01	9.98E+01	4.60E-01	4.45E-02	1.01E+02	6.83E-01	1.26E-03	4.60E-02	8.70E-03	7.39E-01
4352	484863.09	3857377.25	5.86E-01	1.48E-03	5.25E-02	1.55E-02	6.55E-01	7.74E-01	1.42E+02	5.25E-01	7.92E-02	1.44E+02	7.51E-01	1.80E-03	5.25E-02	1.55E-02	8.21E-01
4353	485363.09	3857377.25	6.60E-01	1.82E-03	6.03E-02	1.48E-02	7.36E-01	8.71E-01	1.74E+02	6.03E-01	7.55E-02	1.76E+02	8.46E-01	2.20E-03	6.03E-02	1.48E-02	9.23E-01
4354	485863.09	3857377.25	9.35E-01	1.23E-03	6.37E-02	3.07E-02	1.03E+00	1.24E+00	1.18E+02	6.37E-01	1.57E-01	1.20E+02	1.20E+00	1.49E-03	6.37E-02	3.07E-02	1.29E+00
4355	486363.09	3857377.25	1.37E+00	5.88E-04	5.92E-02	1.31E-02	1.44E+00	1.81E+00	5.64E+01	5.92E-01	6.67E-02	5.88E+01	1.75E+00	7.12E-04	5.92E-02	1.31E-02	1.83E+00
4356	486863.09	3857377.25	1.91E+00	3.05E-04	4.86E-02	1.66E-02	1.97E+00	2.52E+00	2.93E+01	4.86E-01	8.48E-02	3.23E+01	2.45E+00	3.69E-04	4.86E-02	1.66E-02	2.51E+00
4357	487363.09	3857377.25	2.27E+00	3.21E-04	9.39E-02	1.71E-02	2.38E+00	3.00E+00	3.08E+01	9.39E-01	8.73E-02	3.48E+01	2.91E+00	3.89E-04	9.39E-02	1.71E-02	3.02E+00
4358	487863.09	3857377.25	1.29E+00	3.11E-04	1.22E-01	1.07E-02	1.42E+00	1.71E+00	2.98E+01	1.22E+00	5.48E-02	3.28E+01	1.66E+00	3.77E-04	1.22E-01	1.07E-02	1.79E+00
4359	488363.09	3857377.25	8.01E-01	3.19E-04	8.06E-02	1.11E-02	8.93E-01	1.06E+00	3.06E+01	8.06E-01	5.68E-02	3.25E+01	1.03E+00	3.86E-04	8.06E-02	1.11E-02	1.12E+00
4360	488863.09	3857377.25	5.65E-01	2.80E-04	1.29E-01	1.02E-02	7.05E-01	7.46E-01	2.69E+01	1.29E+00	5.23E-02	2.90E+01	7.24E-01	3.39E-04	1.29E-01	1.02E-02	8.64E-01
4361	489363.09	3857377.25	5.05E-01	3.00E-04	9.60E-02	1.12E-02	6.13E-01	6.67E-01	2.88E+01	9.60E-01	5.71E-02	3.05E+01	6.48E-01	3.64E-04	9.60E-02	1.12E-02	7.55E-01
4362	489863.09	3857377.25	4.48E-01	2.52E-04	7.07E-02	8.52E-03	5.28E-01	5.92E-01	2.42E+01	7.07E-01	4.35E-02	2.55E+01	5.75E-01	3.06E-04	7.07E-02	8.52E-03	6.54E-01
4363	490363.09	3857377.25	4.18E-01	2.19E-04	6.66E-02	9.21E-03	4.94E-01	5.52E-01	2.10E+01	6.66E-01	4.70E-02	2.22E+01	5.36E-01	2.65E-04	6.66E-02	9.21E-03	6.12E-01
4364	490863.09	3857377.25	3.87E-01	1.96E-04	7.10E-02	9.52E-03	4.68E-01	5.12E-01	1.88E+01	7.10E-01	4.86E-02	2.01E+01	4.97E-01	2.38E-04	7.10E-02	9.52E-03	5.77E-01
4365	491363.09	3857377.25	3.55E-01	1.74E-04	6.06E-02	9.65E-03	4.26E-01	4.69E-01	1.67E+01	6.06E-01	4.93E-02	1.78E+01	4.55E-01	2.11E-04	6.06E-02	9.65E-03	5.26E-01
4366	491863.09	3857377.25	3.20E-01	1.34E-04	7.96E-02	1.34E-02	4.13E-01	4.23E-01	1.29E+01	7.96E-01	6.85E-02	1.42E+01	4.10E-01	1.63E-04	7.96E-02	1.34E-02	5.04E-01
4367	492363.09	3857377.25	2.24E-01	6.24E-05	1.68E-01	1.84E-02	4.10E-01	2.95E-01	5.99E+00	1.68E+00	9.38E-02	8.06E+00	2.87E-01	7.56E-05	1.68E-01	1.84E-02	4.73E-01
4368	492863.09	3857377.25	1.13E-01	3.66E-05	9.59E-02	9.26E-03	2.18E-01	1.49E-01	3.51E+00	9.59E-01	4.73E-02	4.66E+00	1.45E-01	4.43E-05	9.59E-02	9.26E-03	2.50E-01
4369	493363.09	3857377.25	5.56E-02	2.81E-05	3.99E-02	6.22E-03	1.02E-01	7.34E-02	2.69E+00	3.99E-01	3.18E-02	3.19E+00	7.13E-02	3.40E-05	3.99E-02	6.22E-03	1.17E-01
4370	493863.09	3857377.25	4.75E-02	2.56E-05	4.03E-02	5.56E-03	9.33E-02	6.27E-02	2.45E+00	4.03E-01	2.84E-02	2.95E+00	6.08E-02	3.10E-05	4.03E-02	5.56E-03	1.07E-01
4371	494363.09	3857377.25	4.10E-02	2.18E-05	4.05E-02	5.68E-03	8.72E-02	5.42E-02	2.09E+00	4.05E-01	2.90E-02	2.58E+00	5.26E-02	2.64E-05	4.05E-02	5.68E-03	9.88E-02
4372	494863.09	3857377.25	3.85E-02	2.12E-05	3.95E-02	5.69E-03	8.37E-02	5.09E-02	2.03E+00	3.95E-01	2.90E-02	2.51E+00	4.94E-02	2.57E-05	3.95E-02	5.69E-03	9.46E-02
4373	495363.09	3857377.25	2.86E-02	2.09E-05	3.82E-02	5.64E-03	7.24E-02	3.78E-02	2.00E+00	3.82E-01	2.88E-02	2.45E+00	3.67E-02	2.53E-05	3.82E-02	5.64E-03	8.05E-02
4374	495863.09	3857377.25	2.78E-02	2.14E-05	3.66E-02	5.54E-03	7.00E-02	3.68E-02	2.05E+00	3.66E-01	2.83E-02	2.49E+00	3.57E-02	2.60E-05	3.66E-02	5.54E-03	7.78E-02
4375	496363.09	3857377.25	3.50E-02	2.22E-05	3.50E-02	5.41E-03	7.54E-02	4.63E-02	2.13E+00	3.50E-01	2.76E-02	2.55E+00	4.49E-02	2.69E-05	3.50E-02	5.41E-03	8.53E-02
4376	496863.09	3857377.25	3.42E-02	2.32E-05	3.35E-02	5.24E-03	7.30E-02	4.52E-02	2.22E+00	3.35E-01	2.68E-02	2.63E+00	4.39E-02	2.81E-05	3.35E-02	5.24E-03	8.26E-02
4377	497363.09	3857377.25	3.41E-02	2.47E-05	3.18E-02	5.03E-03	7.10E-02	4.51E-02	2.37E+00	3.18E-01	2.57E-02	2.76E+00	4.37E-02	3.00E-05	3.18E-02	5.03E-03	8.06E-02
4378	497863.09	3857377.25	3.49E-02	2.71E-05	3.03E-02	4.79E-03	7.00E-02	4.61E-02	2.60E+00	3.03E-01	2.45E-02	2.97E+00	4.47E-02	3.28E-05	3.03E-02	4.79E-03	7.98E-02
4379	498363.09	3857377.25	4.59E-02	3.26E-05	2.87E-02	4.68E-03	7.93E-02	6.07E-02	3.13E+00	2.87E-01	2.39E-02	3.50E+00	5.89E-02	3.95E-05	2.87E-02	4.68E-03	9.23E-02
4380	471363.09	3857877.25	5.88E-02	4.20E-05	3.52E-02	8.39E-03	1.02E-01	7.76E-02	4.03E+00	3.52E-01	4.28E-02	4.50E+00	7.54E-02	5.09E-05	3.52E-02	8.39E-03	1.19E-01
4381	471863.09	3857877.25	5.91E-02	4.08E-05	3.64E-02	9.31E-03	1.05E-01	7.81E-02	3.91E+00	3.64E-01	4.76E-02	4.40E+00	7.58E-02	4.94E-05	3.64E-02	9.31E-03	1.22E-01
4382	472363.09	3857877.25	6.02E-02	4.15E-05	3.82E-02	1.05E-02	1.09E-01	7.96E-02	3.98E+00	3.82E-01	5.37E-02	4.49E+00	7.72E-02	5.03E-05	3.82E-02	1.05E-02	1.26E-01
4383	472863.09	3857877.25	6.28E-02	4.60E-05	4.02E-02	1.19E-02	1.15E-01	8.29E-02	4.41E+00	4.02E-01	6.06E-02	4.96E+00	8.05E-02	5.57E-05	4.02E-02	1.19E-02	1.33E-01
4384	473363.09	3857877.25	6.38E-02	4.67E-05	4.20E-02	1.33E-02	1.19E-01	8.42E-02	4.48E+00	4.20E-01	6.78E-02	5.05E+00	8.18E-02	5.66E-05	4.20E-02	1.33E-02	1.37E-01
4385	473863.09	3857877.25	6.56E-02	5.11E-05	4.31E-02	1.44E-02	1.23E-01	8.67E-02	4.90E+00	4.31E-01	7.34E-02	5.49E+00	8.41E-02	6.19E-05	4.31E-02	1.44E-02	1.42E-01
4386	474363.09	3857877.25	6.21E-02	3.53E-05	6.05E-02	2.67E-02	1.49E-01	8.20E-02	3.38E+00	6.05E-01	1.37E-01	4.21E+00	7.96E-02	4.27E-05	6.05E-02	2.67E-02	1.67E-01
4387	474863.09	3857877.25	4.56E-02	2.70E-05	3.13E-02	8.22E-03	8.52E-02	6.03E-02	2.59E+00	3.13E-01	4.20E-02	3.00E+00	5.85E-02	3.27E-05	3.13E-02	8.22E-03	9.81E-02
4388	475363.09	3857877.25	3.12E-02	2.05E-05	1.64E-02	5.80E-03	5.35E-02	4.12E-02	1.96E+00	1.64E-01	2.96E-02	2.20E+00	4.00E-02	2.48E-05	1.64E-02	5.80E-03	6.23E-02

4389	475863.09	3857877.25	3.56E-02	2.17E-05	1.50E-02	5.25E-03	5.58E-02	4.70E-02	2.08E+00	1.50E-01	2.68E-02	2.30E+00	4.57E-02	2.63E-05	1.50E-02	5.25E-03	6.59E-02
4390	476363.09	3857877.25	3.85E-02	2.39E-05	1.75E-02	6.18E-03	6.22E-02	5.09E-02	2.29E+00	1.75E-01	3.16E-02	2.55E+00	4.94E-02	2.89E-05	1.75E-02	6.18E-03	7.31E-02
4391	476863.09	3857877.25	3.95E-02	2.60E-05	2.53E-02	6.33E-03	7.12E-02	5.22E-02	2.50E+00	2.53E-01	3.24E-02	2.83E+00	5.06E-02	3.15E-05	2.53E-02	6.33E-03	8.23E-02
4392	477363.09	3857877.25	3.93E-02	2.81E-05	2.64E-02	6.56E-03	7.23E-02	5.20E-02	2.70E+00	2.64E-01	3.35E-02	3.05E+00	5.04E-02	3.41E-05	2.64E-02	6.56E-03	8.34E-02
4393	477863.09	3857877.25	3.88E-02	3.02E-05	2.46E-02	6.80E-03	7.02E-02	5.12E-02	2.90E+00	2.46E-01	3.48E-02	3.23E+00	4.97E-02	3.66E-05	2.46E-02	6.80E-03	8.11E-02
4394	478363.09	3857877.25	3.81E-02	3.24E-05	1.85E-02	7.43E-03	6.40E-02	5.03E-02	3.11E+00	1.85E-01	3.79E-02	3.38E+00	4.88E-02	3.92E-05	1.85E-02	7.43E-03	7.47E-02
4395	478863.09	3857877.25	3.73E-02	3.47E-05	1.95E-02	7.52E-03	6.43E-02	4.93E-02	3.33E+00	1.95E-01	3.84E-02	3.61E+00	4.78E-02	4.21E-05	1.95E-02	7.52E-03	7.48E-02
4396	479363.09	3857877.25	8.00E-02	3.73E-05	7.39E-02	1.00E-02	1.64E-01	1.06E-01	3.58E+00	7.39E-01	5.12E-02	4.47E+00	1.03E-01	4.52E-05	7.39E-02	1.00E-02	1.86E-01
4397	479863.09	3857877.25	1.69E-01	7.64E-05	9.79E-02	3.61E-02	3.03E-01	2.23E-01	7.33E+00	9.79E-01	1.84E-01	8.71E+00	2.17E-01	9.25E-05	9.79E-02	3.61E-02	3.51E-01
4398	480363.09	3857877.25	1.98E-01	9.38E-05	6.57E-02	1.87E-02	2.82E-01	2.61E-01	9.00E+00	6.57E-01	9.56E-02	1.00E+01	2.54E-01	1.14E-04	6.57E-02	1.87E-02	3.38E-01
4399	480863.09	3857877.25	2.08E-01	1.20E-04	5.62E-02	1.09E-02	2.75E-01	2.74E-01	1.15E+01	5.62E-01	5.55E-02	1.24E+01	2.66E-01	1.46E-04	5.62E-02	1.09E-02	3.33E-01
4400	481363.09	3857877.25	2.28E-01	1.27E-04	5.36E-02	1.05E-02	2.92E-01	3.01E-01	1.22E+01	5.36E-01	5.35E-02	1.31E+01	2.92E-01	1.54E-04	5.36E-02	1.05E-02	3.56E-01
4401	481863.09	3857877.25	2.65E-01	1.58E-04	4.33E-02	1.30E-02	3.22E-01	3.50E-01	1.52E+01	4.33E-01	6.62E-02	1.60E+01	3.40E-01	1.92E-04	4.33E-02	1.30E-02	3.96E-01
4402	482363.09	3857877.25	2.82E-01	2.79E-04	4.65E-02	1.16E-02	3.41E-01	3.73E-01	2.68E+01	4.65E-01	5.93E-02	2.77E+01	3.62E-01	3.39E-04	4.65E-02	1.16E-02	4.20E-01
4403	482863.09	3857877.25	2.93E-01	4.28E-04	4.95E-02	1.52E-02	3.58E-01	3.87E-01	4.11E+01	4.95E-01	7.76E-02	4.21E+01	3.76E-01	5.19E-04	4.95E-02	1.52E-02	4.41E-01
4404	483363.09	3857877.25	3.44E-01	4.62E-04	5.30E-02	2.73E-02	4.25E-01	4.54E-01	4.44E+01	5.30E-01	1.40E-01	4.55E+01	4.41E-01	5.60E-04	5.30E-02	2.73E-02	5.22E-01
4405	483863.09	3857877.25	4.47E-01	4.87E-04	5.73E-02	1.05E-02	5.16E-01	5.91E-01	4.67E+01	5.73E-01	5.39E-02	4.79E+01	5.73E-01	5.90E-04	5.73E-02	1.05E-02	6.42E-01
4406	484363.09	3857877.25	4.70E-01	6.64E-04	6.22E-02	1.86E-02	5.52E-01	6.21E-01	6.37E+01	6.22E-01	9.50E-02	6.50E+01	6.03E-01	8.04E-04	6.22E-02	1.86E-02	6.85E-01
4407	484863.09	3857877.25	4.80E-01	5.95E-04	6.83E-02	7.42E-03	5.56E-01	6.34E-01	5.70E+01	6.83E-01	3.79E-02	5.84E+01	6.15E-01	7.20E-04	6.83E-02	7.42E-03	6.92E-01
4408	485363.09	3857877.25	4.94E-01	6.96E-04	7.51E-02	1.11E-02	5.81E-01	6.52E-01	6.67E+01	7.51E-01	5.67E-02	6.82E+01	6.33E-01	8.43E-04	7.51E-02	1.11E-02	7.20E-01
4409	485863.09	3857877.25	5.85E-01	9.82E-04	8.28E-02	1.45E-02	6.84E-01	7.73E-01	9.42E+01	8.28E-01	7.41E-02	9.59E+01	7.50E-01	1.19E-03	8.28E-02	1.45E-02	8.49E-01
4410	486363.09	3857877.25	6.62E-01	1.62E-03	8.86E-02	1.70E-02	7.69E-01	8.74E-01	1.55E+02	8.86E-01	8.70E-02	1.57E+02	8.48E-01	1.96E-03	8.86E-02	1.70E-02	9.56E-01
4411	486863.09	3857877.25	7.57E-01	8.56E-04	8.39E-02	1.56E-02	8.57E-01	1.00E+00	8.21E+01	8.39E-01	7.95E-02	8.41E+01	9.70E-01	1.04E-03	8.39E-02	1.56E-02	1.07E+00
4412	487363.09	3857877.25	1.08E+00	5.78E-04	2.06E-01	1.57E-02	1.30E+00	1.43E+00	5.54E+01	2.06E+00	8.01E-02	5.90E+01	1.38E+00	7.00E-04	2.06E-01	1.57E-02	1.61E+00
4413	487863.09	3857877.25	1.12E+00	4.43E-04	1.88E-01	1.20E-02	1.32E+00	1.48E+00	4.25E+01	1.88E+00	6.12E-02	4.59E+01	1.44E+00	5.37E-04	1.88E-01	1.20E-02	1.64E+00
4414	488363.09	3857877.25	7.13E-01	4.75E-04	2.82E-01	1.45E-02	1.01E+00	9.42E-01	4.56E+01	2.82E+00	7.41E-02	4.94E+01	9.15E-01	5.76E-04	2.82E-01	1.45E-02	1.21E+00
4415	488863.09	3857877.25	7.51E-01	3.49E-04	1.71E-01	1.45E-02	9.37E-01	9.92E-01	3.35E+01	1.71E+00	7.40E-02	3.63E+01	9.63E-01	4.23E-04	1.71E-01	1.45E-02	1.15E+00
4416	489363.09	3857877.25	6.01E-01	3.48E-04	9.83E-02	1.31E-02	7.13E-01	7.94E-01	3.34E+01	9.83E-01	6.68E-02	3.53E+01	7.71E-01	4.22E-04	9.83E-02	1.31E-02	8.82E-01
4417	489863.09	3857877.25	4.57E-01	2.58E-04	9.56E-02	1.33E-02	5.66E-01	6.04E-01	2.47E+01	9.56E-01	6.80E-02	2.64E+01	5.86E-01	3.13E-04	9.56E-02	1.33E-02	6.96E-01
4418	490363.09	3857877.25	3.48E-01	2.30E-04	9.19E-02	1.08E-02	4.51E-01	4.60E-01	2.21E+01	9.19E-01	5.52E-02	2.35E+01	4.46E-01	2.79E-04	9.19E-02	1.08E-02	5.49E-01
4419	490863.09	3857877.25	3.30E-01	2.17E-04	8.22E-02	7.14E-03	4.19E-01	4.35E-01	2.08E+01	8.22E-01	3.65E-02	2.21E+01	4.23E-01	2.63E-04	8.22E-02	7.14E-03	5.12E-01
4420	491363.09	3857877.25	3.13E-01	1.70E-04	7.30E-02	1.35E-02	4.00E-01	4.14E-01	1.64E+01	7.30E-01	6.91E-02	1.76E+01	4.02E-01	2.07E-04	7.30E-02	1.35E-02	4.88E-01
4421	491863.09	3857877.25	2.87E-01	1.15E-04	9.11E-02	2.16E-02	4.00E-01	3.80E-01	1.10E+01	9.11E-01	1.10E-01	1.24E+01	3.69E-01	1.39E-04	9.11E-02	2.16E-02	4.81E-01
4422	492363.09	3857877.25	1.72E-01	5.47E-05	9.40E-02	1.11E-02	2.77E-01	2.27E-01	5.24E+00	9.40E-01	5.69E-02	6.46E+00	2.20E-01	6.62E-05	9.40E-02	1.11E-02	3.25E-01
4423	492863.09	3857877.25	7.70E-02	3.68E-05	4.88E-02	6.33E-03	1.32E-01	1.02E-01	3.53E+00	4.88E-01	3.23E-02	4.15E+00	9.88E-02	4.46E-05	4.88E-02	6.33E-03	1.54E-01
4424	493363.09	3857877.25	4.81E-02	3.48E-05	4.61E-02	6.52E-03	1.01E-01	6.35E-02	3.34E+00	4.61E-01	3.33E-02	3.89E+00	6.16E-02	4.21E-05	4.61E-02	6.52E-03	1.14E-01
4425	493863.09	3857877.25	4.64E-02	3.33E-05	4.45E-02	6.60E-03	9.75E-02	6.12E-02	3.20E+00	4.45E-01	3.37E-02	3.74E+00	5.94E-02	4.04E-05	4.45E-02	6.60E-03	1.11E-01
4426	494363.09	3857877.25	4.53E-02	3.20E-05	4.33E-02	6.59E-03	9.52E-02	5.98E-02	3.07E+00	4.33E-01	3.36E-02	3.60E+00	5.80E-02	3.88E-05	4.33E-02	6.59E-03	1.08E-01
4427	494863.09	3857877.25	4.11E-02	3.09E-05	3.92E-02	6.54E-03	8.69E-02	5.43E-02	2.97E+00	3.92E-01	3.34E-02	3.45E+00	5.27E-02	3.75E-05	3.92E-02	6.54E-03	9.85E-02
4428	495363.09	3857877.25	4.02E-02	3.17E-05	3.72E-02	6.35E-03	8.38E-02	5.31E-02	3.04E+00	3.72E-01	3.24E-02	3.50E+00	5.16E-02	3.84E-05	3.72E-02	6.35E-03	9.52E-02
4429	495863.09	3857877.25	3.92E-02	3.24E-05	3.54E-02	6.09E-03	8.07E-02	5.17E-02	3.11E+00	3.54E-01	3.11E-02	3.55E+00	5.02E-02	3.93E-05	3.54E-02	6.09E-03	9.17E-02
4430	496363.09	3857877.25	3.99E-02	3.40E-05	3.34E-02	5.75E-03	7.90E-02	5.27E-02	3.26E+00	3.34E-01	2.94E-02	3.68E+00	5.11E-02	4.12E-05	3.34E-02	5.75E-03	9.03E-02
4431	496863.09	3857877.25	4.07E-02	3.57E-05	3.17E-02	5.40E-03	7.78E-02	5.37E-02	3.43E+00	3.17E-01	2.76E-02	3.82E+00	5.21E-02	4.33E-05	3.17E-02	5.40E-03	8.92E-02
4432	497363.09	3857877.25	4.09E-02	3.70E-05	3.01E-02	5.04E-03	7.62E-02	5.41E-02	3.55E+00	3.01E-01	2.57E-02	3.93E+00	5.25E-02	4.49E-05	3.01E-02	5.04E-03	8.77E-02
4433	497863.09	3857877.25	4.72E-02	4.14E-05	3.39E-02	5.00E-03	8.61E-02	6.24E-02	3.97E+00	3.39E-01	2.56E-02	4.39E+00	6.05E-02	5.01E-05	3.39E-02	5.00E-03	9.94E-02
4434	498363.09	3857877.25	6.64E-02	4.62E-05	3.31E-02	5.26E-03	1.05E-01	8.77E-02	4.43E+00	3.31E-01	2.69E-02	4.87E+00	8.51E-02	5.59E-05	3.31E-02	5.26E-03	1.24E-01
4435	471363.09	3858377.25	5.39E-02	5.32E-05	1.82E-02	1.34E-02	8.56E-02	7.12E-02	5.10E+00	1.82E-01	6.85E-02	5.43E+00	6.91E-02	6.45E-05	1.82E-02	1.34E-02	1.01E-01
4436	471863.09	3858377.25	5.47E-02	5.21E-05	1.87E-02	1.44E-02	8.79E-02	7.23E-02	4.99E+00	1.87E-01	7.36E-02	5.33E+00	7.02E-02	6.31E-05	1.87E-02	1.44E-02	1.03E-01
4437	472363.09	3858377.25	5.64E-02	5.10E-05	1.92E-02	1.52E-02	9.08E-02	7.45E-02	4.89E+00	1.92E-01	7.77E-02	5.23E+00	7.23E-02	6.18E-05	1.92E-02	1.52E-02	1.07E-01
4438	472863.09	3858377.25	6.08E-02	5.39E-05	1.97E-02	1.57E-02	9.62E-02	8.03E-02	5.17E+00	1.97E-01	8.00E-02	5.53E+00	7.79E-02	6.53E-05	1.97E-02	1.57E-02	1.13E-01
4439	473363.09	3858377.25	6.86E-02	6.56E-05	2.03E-02	1.40E-02	1.03E-01	9.06E-02	6.30E+00	2.03E-01	7.16E-02	6.66E+00	8.80E-02	7.95E-05	2.03E-02	1.40E-02	1.22E-01
4440	473863.09	3858377.25	7.32E-02	5.76E-05	2.09E-02	1.55E-02	1.10E-01	9.67E-02	5.52E+00	2.09E-01	7.90E-02	5.91E+00	9.38E-02	6.97E-05	2.09E-02	1.55E-02	1.30E-01
4441	474363.09	3858377.25	6.99E-02	3.57E-05	2.14E-02	1.33E-02	1.05E-01	9.24E-02	3.42E+00	2.14E-01	6.79E-02	3.80E+00	8.97E-02	4.32E-05	2.14E-02	1.33E-02	1.24E-01
4442	474863.09	3858377.25	5.66E-02	2.28E-05	2.20E-02	7.66E-03	8.64E-02	7.48E-02	2.19E+00	2.20E-01	3.91E-02	2.52E+00	7.26E-02	2.77E-05	2.20E-02	7.66E-03	1.02E-01
4443	475363.09	3858377.25	3.50E-02	1.93E-05	2.26E-02	5.90E-03	6.35E-02	4.62E-02	1.86E+00	2.26E-01	3.01E-02	2.16E+00	4.49E-02	2.34E-05	2.26E-02	5.90E-03	7.34E-02
4444	475863.09	3858377.25	3.46E-02	2.04E-05	2.31E-02	6.18E-03	6.40E-02	4.57E-02	1.96E+00	2.31E-01	3.16E-02	2.27E+00	4.44E-02	2.48E-05	2.31E-02	6.18E-03	7.38E-02
4445	476363.09	3858377.25	3.40E-02	2.18E-05	2.39E-02	6.31E-03	6.42E-02	4.49E-02	2.09E+00	2.39E-01	3.23E-02	2.41E+00	4.36E-02	2.64E-05	2.39E-02	6.31E-03	7.38E-02
4446	476863.09	3858377.25	3.33E-02	2.32E-05	2.47E-02	6.40E-03	6.44E-02	4.39E-02	2.22E+00	2.47E-01	3.27E-02	2.55E+00	4.26E-02	2.81E-05	2.47E-02	6.40E-03	7.38E-02
4447	477363.09	3858377.25	3.25E-02	2.44E-05	2.55E-02	6.44E-03	6.44E-02	4.29E-02	2.34E+00	2.55E-01	3.29E-02	2.67E+00	4.17E-02	2.96E-05	2.55E-02	6.44E-03	7.36E-02
4448	477863.09	3858377.25	3.32E-02	2.53E-05	2.65E-02	6.16E-03	6.58E-02	4.39E-02	2.43E+00	2.65E-01	3.15E-02	2.77E+00	4.26E-02	3.07E-05	2.65E-02	6.16E-03	7.52E-02
4449	478363.09	3858377.25	3.38E-02	2.58E-05	2.74E-02	6.08E-03	6.73E-02	4.47E-02	2.47E+00	2.74E-01	3.11E-02	2.82E+00	4.34E-02	3.13E-05	2.74E-02	6.08E-03	7.68E-02

4450	478863.09	3858377.25	3.02E-02	2.58E-05	2.80E-02	6.43E-03	6.46E-02	3.99E-02	2.47E+00	2.80E-01	3.28E-02	2.83E+00	3.88E-02	3.13E-05	2.80E-02	6.43E-03	7.32E-02
4451	479363.09	3858377.25	7.50E-02	3.30E-05	4.07E-02	1.30E-02	1.29E-01	9.90E-02	3.16E+00	4.07E-01	6.62E-02	3.73E+00	9.61E-02	3.99E-05	4.07E-02	1.30E-02	1.50E-01
4452	479863.09	3858377.25	1.59E-01	8.66E-05	4.78E-02	2.44E-02	2.31E-01	2.10E-01	8.30E+00	4.78E-01	1.25E-01	9.11E+00	2.04E-01	1.05E-04	4.78E-02	2.44E-02	2.76E-01
4453	480363.09	3858377.25	1.70E-01	1.39E-04	3.77E-02	1.64E-02	2.24E-01	2.25E-01	1.33E+01	3.77E-01	8.37E-02	1.40E+01	2.18E-01	1.68E-04	3.77E-02	1.64E-02	2.72E-01
4454	480863.09	3858377.25	1.82E-01	1.40E-04	3.96E-02	1.02E-02	2.32E-01	2.40E-01	1.35E+01	3.96E-01	5.19E-02	1.42E+01	2.33E-01	1.70E-04	3.96E-02	1.02E-02	2.83E-01
4455	481363.09	3858377.25	1.94E-01	1.53E-04	4.14E-02	8.90E-03	2.45E-01	2.57E-01	1.46E+01	4.14E-01	4.54E-02	1.54E+01	2.49E-01	1.85E-04	4.14E-02	8.90E-03	2.99E-01
4456	481863.09	3858377.25	2.09E-01	1.64E-04	4.64E-02	1.10E-02	2.67E-01	2.77E-01	1.57E+01	4.64E-01	5.60E-02	1.65E+01	2.68E-01	1.98E-04	4.64E-02	1.10E-02	3.26E-01
4457	482363.09	3858377.25	2.56E-01	1.94E-04	4.77E-02	1.26E-02	3.16E-01	3.38E-01	1.86E+01	4.77E-01	6.43E-02	1.95E+01	3.28E-01	2.35E-04	4.77E-02	1.26E-02	3.88E-01
4458	482863.09	3858377.25	3.05E-01	3.25E-04	4.41E-02	2.08E-02	3.70E-01	4.02E-01	3.12E+01	4.41E-01	1.06E-01	3.21E+01	3.90E-01	3.94E-04	4.41E-02	2.08E-02	4.56E-01
4459	483363.09	3858377.25	3.44E-01	4.34E-04	4.32E-02	9.30E-03	3.97E-01	4.54E-01	4.16E+01	4.32E-01	4.75E-02	4.26E+01	4.41E-01	5.26E-04	4.32E-02	9.30E-03	4.94E-01
4460	483863.09	3858377.25	3.64E-01	4.55E-04	3.80E-02	1.11E-02	4.14E-01	4.81E-01	4.36E+01	3.80E-01	5.64E-02	4.46E+01	4.67E-01	5.51E-04	3.80E-02	1.11E-02	5.17E-01
4461	484363.09	3858377.25	3.80E-01	4.96E-04	3.86E-02	1.23E-02	4.32E-01	5.02E-01	4.76E+01	3.86E-01	6.28E-02	4.85E+01	4.87E-01	6.01E-04	3.86E-02	1.23E-02	5.39E-01
4462	484863.09	3858377.25	4.04E-01	5.46E-04	4.57E-02	9.61E-03	4.60E-01	5.33E-01	5.24E+01	4.57E-01	4.91E-02	5.34E+01	5.18E-01	6.62E-04	4.57E-02	9.61E-03	5.74E-01
4463	485363.09	3858377.25	3.79E-01	7.02E-04	5.50E-02	1.19E-02	4.47E-01	5.01E-01	6.74E+01	5.50E-01	6.10E-02	6.85E+01	4.86E-01	8.51E-04	5.50E-02	1.19E-02	5.54E-01
4464	485863.09	3858377.25	3.46E-01	1.11E-03	6.43E-02	2.08E-02	4.33E-01	4.58E-01	1.07E+02	6.43E-01	1.06E-01	1.08E+02	4.44E-01	1.35E-03	6.43E-02	2.08E-02	5.31E-01
4465	486363.09	3858377.25	5.22E-01	1.93E-03	6.70E-02	4.64E-02	6.37E-01	6.89E-01	1.86E+02	6.70E-01	2.37E-01	1.87E+02	6.69E-01	2.34E-03	6.70E-02	4.64E-02	7.85E-01
4466	486863.09	3858377.25	5.65E-01	1.73E-03	6.65E-02	4.07E-02	6.74E-01	7.47E-01	1.66E+02	6.65E-01	2.08E-01	1.67E+02	7.25E-01	2.09E-03	6.65E-02	4.07E-02	8.34E-01
4467	487363.09	3858377.25	5.26E-01	1.18E-03	7.20E-02	1.48E-02	6.14E-01	6.95E-01	1.13E+02	7.20E-01	7.58E-02	1.15E+02	6.75E-01	1.43E-03	7.20E-02	1.48E-02	7.63E-01
4468	487863.09	3858377.25	6.69E-01	8.44E-04	9.64E-02	2.17E-02	7.88E-01	8.84E-01	8.10E+01	9.64E-01	1.11E-01	8.29E+01	8.58E-01	1.02E-03	9.64E-02	2.17E-02	9.77E-01
4469	488363.09	3858377.25	7.11E-01	7.08E-04	2.96E-01	1.17E-02	1.02E+00	9.40E-01	6.79E+01	2.96E+00	5.98E-02	7.19E+01	9.12E-01	8.58E-04	2.96E-01	1.17E-02	1.22E+00
4470	488863.09	3858377.25	5.41E-01	5.30E-04	1.73E-01	1.55E-02	7.30E-01	7.15E-01	5.08E+01	1.73E+00	7.90E-02	5.33E+01	6.94E-01	6.42E-04	1.73E-01	1.55E-02	8.83E-01
4471	489363.09	3858377.25	5.56E-01	4.74E-04	9.31E-02	1.01E-02	6.60E-01	7.34E-01	4.55E+01	9.31E-01	5.18E-02	4.72E+01	7.13E-01	5.75E-04	9.31E-02	1.01E-02	8.17E-01
4472	489863.09	3858377.25	5.59E-01	4.31E-04	7.81E-02	1.04E-02	6.48E-01	7.39E-01	4.13E+01	7.81E-01	5.32E-02	4.29E+01	7.17E-01	5.22E-04	7.81E-02	1.04E-02	8.06E-01
4473	490363.09	3858377.25	4.67E-01	3.82E-04	6.67E-02	8.28E-03	5.42E-01	6.17E-01	3.66E+01	6.67E-01	4.23E-02	3.79E+01	5.98E-01	4.62E-04	6.67E-02	8.28E-03	6.74E-01
4474	490863.09	3858377.25	3.90E-01	3.36E-04	5.68E-02	7.81E-03	4.55E-01	5.15E-01	3.22E+01	5.68E-01	3.99E-02	3.33E+01	5.00E-01	4.07E-04	5.68E-02	7.81E-03	5.65E-01
4475	491363.09	3858377.25	2.84E-01	2.16E-04	6.29E-02	1.25E-02	3.59E-01	3.75E-01	2.07E+01	6.29E-01	6.38E-02	2.18E+01	3.64E-01	2.62E-04	6.29E-02	1.25E-02	4.39E-01
4476	491863.09	3858377.25	2.25E-01	9.22E-05	2.02E-01	1.86E-02	4.45E-01	2.97E-01	8.84E+00	2.02E+00	9.49E-02	1.12E+01	2.88E-01	1.12E-04	2.02E-01	1.86E-02	5.09E-01
4477	492363.09	3858377.25	1.02E-01	5.67E-05	1.09E-01	7.56E-03	2.19E-01	1.35E-01	5.44E+00	1.09E+00	3.86E-02	6.70E+00	1.31E-01	6.87E-05	1.09E-01	7.56E-03	2.48E-01
4478	492863.09	3858377.25	1.18E-01	6.12E-05	1.60E-01	9.70E-03	2.88E-01	1.55E-01	5.87E+00	1.60E+00	4.96E-02	7.68E+00	1.51E-01	7.41E-05	1.60E-01	9.70E-03	3.21E-01
4479	493363.09	3858377.25	8.68E-02	5.61E-05	6.38E-02	8.28E-03	1.59E-01	1.15E-01	5.38E+00	6.38E-01	4.23E-02	6.18E+00	1.11E-01	6.80E-05	6.38E-02	8.28E-03	1.83E-01
4480	493863.09	3858377.25	7.86E-02	5.46E-05	4.10E-02	8.32E-03	1.28E-01	1.04E-01	5.24E+00	4.10E-01	4.25E-02	5.80E+00	1.01E-01	6.62E-05	4.10E-02	8.32E-03	1.50E-01
4481	494363.09	3858377.25	6.25E-02	5.31E-05	3.83E-02	6.50E-03	1.07E-01	8.26E-02	5.10E+00	3.83E-01	3.32E-02	5.60E+00	8.02E-02	6.44E-05	3.83E-02	6.50E-03	1.25E-01
4482	494863.09	3858377.25	5.00E-02	5.24E-05	3.72E-02	6.24E-03	9.35E-02	6.61E-02	5.02E+00	3.72E-01	3.19E-02	5.49E+00	6.41E-02	6.34E-05	3.72E-02	6.24E-03	1.08E-01
4483	495363.09	3858377.25	3.83E-02	5.13E-05	3.00E-02	5.94E-03	7.43E-02	5.05E-02	4.92E+00	3.00E-01	3.03E-02	5.30E+00	4.91E-02	6.21E-05	3.00E-02	5.94E-03	8.51E-02
4484	495863.09	3858377.25	3.68E-02	5.23E-05	2.80E-02	5.71E-03	7.06E-02	4.86E-02	5.01E+00	2.80E-01	2.92E-02	5.37E+00	4.72E-02	6.33E-05	2.80E-02	5.71E-03	8.10E-02
4485	496363.09	3858377.25	3.82E-02	5.30E-05	2.61E-02	5.72E-03	7.01E-02	5.05E-02	5.08E+00	2.61E-01	2.92E-02	5.42E+00	4.90E-02	6.41E-05	2.61E-02	5.72E-03	8.09E-02
4486	496863.09	3858377.25	4.63E-02	5.51E-05	2.52E-02	5.68E-03	7.73E-02	6.12E-02	5.28E+00	2.52E-01	2.90E-02	5.62E+00	5.94E-02	6.67E-05	2.52E-02	5.68E-03	9.04E-02
4487	497363.09	3858377.25	5.12E-02	5.62E-05	2.74E-02	5.64E-03	8.43E-02	6.76E-02	5.39E+00	2.74E-01	2.88E-02	5.76E+00	6.56E-02	6.81E-05	2.74E-02	5.64E-03	9.87E-02
4488	497863.09	3858377.25	7.28E-02	6.02E-05	2.91E-02	5.57E-03	1.08E-01	9.62E-02	5.77E+00	2.91E-01	2.84E-02	6.19E+00	9.34E-02	7.29E-05	2.91E-02	5.57E-03	1.28E-01
4489	498363.09	3858377.25	9.35E-02	6.64E-05	3.94E-02	5.48E-03	1.38E-01	1.24E-01	6.37E+00	3.94E-01	2.80E-02	6.92E+00	1.20E-01	8.05E-05	3.94E-02	5.48E-03	1.65E-01
4490	471363.09	3858877.25	5.47E-02	5.25E-05	2.51E-02	1.31E-02	9.29E-02	7.22E-02	5.03E+00	2.51E-01	6.68E-02	5.42E+00	7.01E-02	6.36E-05	2.51E-02	1.31E-02	1.08E-01
4491	471863.09	3858877.25	5.48E-02	4.93E-05	2.77E-02	1.29E-02	9.54E-02	7.24E-02	4.73E+00	2.77E-01	6.57E-02	5.15E+00	7.03E-02	5.97E-05	2.77E-02	1.29E-02	1.11E-01
4492	472363.09	3858877.25	5.70E-02	5.20E-05	3.02E-02	1.18E-02	9.91E-02	7.53E-02	4.99E+00	3.02E-01	6.02E-02	5.43E+00	7.31E-02	6.30E-05	3.02E-02	1.18E-02	1.15E-01
4493	472863.09	3858877.25	6.06E-02	5.31E-05	3.28E-02	1.06E-02	1.04E-01	8.00E-02	5.09E+00	3.28E-01	5.41E-02	5.55E+00	7.77E-02	6.43E-05	3.28E-02	1.06E-02	1.21E-01
4494	473363.09	3858877.25	6.52E-02	5.91E-05	3.35E-02	8.52E-03	1.07E-01	8.61E-02	5.67E+00	3.35E-01	4.35E-02	6.13E+00	8.36E-02	7.16E-05	3.35E-02	8.52E-03	1.26E-01
4495	473863.09	3858877.25	6.65E-02	5.40E-05	3.89E-02	8.18E-03	1.14E-01	8.78E-02	5.18E+00	3.89E-01	4.18E-02	5.70E+00	8.52E-02	6.55E-05	3.89E-02	8.18E-03	1.32E-01
4496	474363.09	3858877.25	6.36E-02	4.03E-05	5.74E-02	1.26E-02	1.34E-01	8.40E-02	3.86E+00	5.74E-01	6.41E-02	4.58E+00	8.15E-02	4.88E-05	5.74E-02	1.26E-02	1.52E-01
4497	474863.09	3858877.25	3.34E-02	2.14E-05	1.92E-02	5.92E-03	5.86E-02	4.42E-02	2.05E+00	1.92E-01	3.03E-02	2.32E+00	4.29E-02	2.59E-05	1.92E-02	5.92E-03	6.80E-02
4498	475363.09	3858877.25	3.01E-02	2.28E-05	1.92E-02	6.10E-03	5.55E-02	3.98E-02	2.19E+00	1.92E-01	3.11E-02	2.45E+00	3.86E-02	2.76E-05	1.92E-02	6.10E-03	6.40E-02
4499	475863.09	3858877.25	2.96E-02	2.40E-05	1.93E-02	6.08E-03	5.51E-02	3.91E-02	2.31E+00	1.93E-01	3.10E-02	2.57E+00	3.80E-02	2.91E-05	1.93E-02	6.08E-03	6.34E-02
4500	476363.09	3858877.25	2.91E-02	2.49E-05	1.82E-02	6.22E-03	5.36E-02	3.85E-02	2.39E+00	1.82E-01	3.18E-02	2.64E+00	3.73E-02	3.02E-05	1.82E-02	6.22E-03	6.18E-02
4501	476863.09	3858877.25	2.87E-02	2.54E-05	1.91E-02	5.96E-03	5.38E-02	3.79E-02	2.44E+00	1.91E-01	3.05E-02	2.70E+00	3.68E-02	3.08E-05	1.91E-02	5.96E-03	6.19E-02
4502	477363.09	3858877.25	2.83E-02	2.55E-05	1.91E-02	5.77E-03	5.32E-02	3.74E-02	2.45E+00	1.91E-01	2.95E-02	2.71E+00	3.63E-02	3.09E-05	1.91E-02	5.77E-03	6.12E-02
4503	477863.09	3858877.25	2.80E-02	2.51E-05	1.95E-02	6.18E-03	5.37E-02	3.69E-02	2.41E+00	1.95E-01	3.16E-02	2.68E+00	3.59E-02	3.05E-05	1.95E-02	6.18E-03	6.16E-02
4504	478363.09	3858877.25	4.48E-02	2.89E-05	4.69E-02	7.37E-03	9.91E-02	5.92E-02	2.77E+00	4.69E-01	3.76E-02	3.34E+00	5.74E-02	3.50E-05	4.69E-02	7.37E-03	1.12E-01
4505	478863.09	3858877.25	4.01E-02	2.82E-05	2.77E-02	7.96E-03	7.58E-02	5.30E-02	2.70E+00	2.77E-01	4.07E-02	3.07E+00	5.14E-02	3.41E-05	2.77E-02	7.96E-03	8.72E-02
4506	479363.09	3858877.25	3.46E-02	2.63E-05	2.07E-02	8.00E-03	6.33E-02	4.57E-02	2.53E+00	2.07E-01	4.09E-02	2.82E+00	4.44E-02	3.19E-05	2.07E-02	8.00E-03	7.31E-02
4507	479863.09	3858877.25	1.42E-01	1.04E-04	6.38E-02	1.75E-02	2.24E-01	1.88E-01	9.93E+00	6.38E-01	8.93E-02	1.08E+01	1.82E-01	1.25E-04	6.38E-02	1.75E-02	2.64E-01
4508	480363.09	3858877.25	1.51E-01	1.40E-04	4.83E-02	1.30E-02	2.13E-01	2.00E-01	1.34E+01	4.83E-01	6.62E-02	1.42E+01	1.94E-01	1.69E-04	4.83E-02	1.30E-02	2.55E-01
4509	480863.09	3858877.25	1.63E-01	1.76E-04	3.93E-02	9.02E-03	2.12E-01	2.16E-01	1.68E+01	3.93E-01	4.61E-02	1.75E+01	2.10E-01	2.13E-04	3.93E-02	9.02E-03	2.58E-01
4510	481363.09	3858877.25	1.85E-01	2.14E-04	3.26E-02	7.66E-03	2.26E-01	2.45E-01	2.06E+01	3.26E-01	3.91E-02	2.12E+01	2.37E-01	2.60E-04	3.26E-02	7.66E-03	2.78E-01

4511	481863.09	3858877.25	2.26E-01	2.39E-04	3.14E-02	8.17E-03	2.66E-01	2.98E-01	2.30E+01	3.14E-01	4.17E-02	2.36E+01	2.89E-01	2.90E-04	3.14E-02	8.17E-03	3.29E-01
4512	482363.09	3858877.25	2.55E-01	2.48E-04	3.59E-02	1.46E-02	3.06E-01	3.37E-01	2.38E+01	3.59E-01	7.44E-02	2.46E+01	3.27E-01	3.01E-04	3.59E-02	1.46E-02	3.78E-01
4513	482863.09	3858877.25	2.72E-01	2.75E-04	4.10E-02	8.43E-03	3.22E-01	3.60E-01	2.64E+01	4.10E-01	4.30E-02	2.72E+01	3.49E-01	3.33E-04	4.10E-02	8.43E-03	3.99E-01
4514	483363.09	3858877.25	3.15E-01	4.35E-04	4.60E-02	7.45E-03	3.69E-01	4.16E-01	4.17E+01	4.60E-01	3.80E-02	4.26E+01	4.04E-01	5.26E-04	4.60E-02	7.45E-03	4.58E-01
4515	483863.09	3858877.25	3.31E-01	4.69E-04	5.01E-02	9.43E-03	3.91E-01	4.37E-01	4.50E+01	5.01E-01	4.82E-02	4.60E+01	4.24E-01	5.68E-04	5.01E-02	9.43E-03	4.84E-01
4516	484363.09	3858877.25	3.41E-01	5.27E-04	5.39E-02	1.12E-02	4.06E-01	4.50E-01	5.06E+01	5.39E-01	5.72E-02	5.16E+01	4.37E-01	6.39E-04	5.39E-02	1.12E-02	5.02E-01
4517	484863.09	3858877.25	3.02E-01	6.11E-04	5.47E-02	1.62E-02	3.73E-01	3.98E-01	5.86E+01	5.47E-01	8.27E-02	5.96E+01	3.87E-01	7.40E-04	5.47E-02	1.62E-02	4.58E-01
4518	485363.09	3858877.25	2.69E-01	7.76E-04	5.01E-02	1.66E-02	3.36E-01	3.55E-01	7.44E+01	5.01E-01	8.47E-02	7.53E+01	3.45E-01	9.40E-04	5.01E-02	1.66E-02	4.12E-01
4519	485863.09	3858877.25	2.75E-01	1.17E-03	6.89E-02	1.54E-02	3.61E-01	3.64E-01	1.12E+02	6.89E-01	7.88E-02	1.13E+02	3.53E-01	1.42E-03	6.89E-02	1.54E-02	4.39E-01
4520	486363.09	3858877.25	3.91E-01	2.01E-03	6.69E-02	1.50E-02	4.75E-01	5.17E-01	1.92E+02	6.69E-01	7.66E-02	1.94E+02	5.02E-01	2.43E-03	6.69E-02	1.50E-02	5.86E-01
4521	486863.09	3858877.25	4.72E-01	1.89E-03	5.58E-02	1.62E-02	5.45E-01	6.23E-01	1.82E+02	5.58E-01	8.26E-02	1.83E+02	6.05E-01	2.30E-03	5.58E-02	1.62E-02	6.79E-01
4522	487363.09	3858877.25	4.30E-01	1.82E-03	4.59E-02	2.85E-02	5.06E-01	5.68E-01	1.74E+02	4.59E-01	1.46E-01	1.76E+02	5.51E-01	2.20E-03	4.59E-02	2.85E-02	6.28E-01
4523	487863.09	3858877.25	4.79E-01	1.12E-03	2.69E-02	1.64E-02	5.23E-01	6.33E-01	1.08E+02	2.69E-01	8.39E-02	1.09E+02	6.14E-01	1.36E-03	2.69E-02	1.64E-02	6.59E-01
4524	488363.09	3858877.25	5.05E-01	1.67E-03	3.49E-02	2.46E-02	5.66E-01	6.67E-01	1.60E+02	3.49E-01	1.25E-01	1.61E+02	6.48E-01	2.02E-03	3.49E-02	2.46E-02	7.09E-01
4525	488863.09	3858877.25	5.54E-01	1.30E-03	5.27E-02	1.74E-02	6.25E-01	7.32E-01	1.25E+02	5.27E-01	8.90E-02	1.26E+02	7.10E-01	1.58E-03	5.27E-02	1.74E-02	7.82E-01
4526	489363.09	3858877.25	4.59E-01	9.79E-04	7.65E-02	1.08E-02	5.47E-01	6.07E-01	9.39E+01	7.65E-01	5.50E-02	9.53E+01	5.89E-01	1.19E-03	7.65E-02	1.08E-02	6.77E-01
4527	489863.09	3858877.25	3.04E-01	7.81E-04	6.70E-02	1.02E-02	3.82E-01	4.01E-01	7.49E+01	6.70E-01	5.19E-02	7.60E+01	3.89E-01	9.46E-04	6.70E-02	1.02E-02	4.67E-01
4528	490363.09	3858877.25	4.56E-01	5.66E-04	4.88E-02	8.84E-03	5.15E-01	6.03E-01	5.43E+01	4.88E-01	4.51E-02	5.54E+01	5.85E-01	6.85E-04	4.88E-02	8.84E-03	6.44E-01
4529	490863.09	3858877.25	4.37E-01	3.12E-04	5.12E-02	1.00E-02	4.99E-01	5.78E-01	2.99E+01	5.12E-01	5.13E-02	3.11E+01	5.61E-01	3.78E-04	5.12E-02	1.00E-02	6.22E-01
4530	491363.09	3858877.25	3.80E-01	2.16E-04	1.61E-01	1.42E-02	5.56E-01	5.02E-01	2.07E+01	1.61E+00	7.25E-02	2.29E+01	4.88E-01	2.62E-04	1.61E-01	1.42E-02	6.63E-01
4531	491863.09	3858877.25	2.24E-01	1.06E-04	2.31E-01	1.13E-02	4.66E-01	2.95E-01	1.01E+01	2.31E+00	5.75E-02	1.28E+01	2.87E-01	1.28E-04	2.31E-01	1.13E-02	5.30E-01
4532	492363.09	3858877.25	2.14E-01	1.16E-04	2.30E-01	1.72E-02	4.62E-01	2.83E-01	1.12E+01	2.30E+00	8.80E-02	1.38E+01	2.74E-01	1.41E-04	2.30E-01	1.72E-02	5.22E-01
4533	492863.09	3858877.25	2.18E-01	1.27E-04	1.11E-01	1.45E-02	3.44E-01	2.88E-01	1.22E+01	1.11E+00	7.40E-02	1.36E+01	2.80E-01	1.54E-04	1.11E-01	1.45E-02	4.06E-01
4534	493363.09	3858877.25	1.76E-01	1.10E-04	1.03E-01	1.69E-02	2.96E-01	2.32E-01	1.05E+01	1.03E+00	8.63E-02	1.19E+01	2.25E-01	1.33E-04	1.03E-01	1.69E-02	3.45E-01
4535	493863.09	3858877.25	1.15E-01	8.96E-05	1.23E-01	1.09E-02	2.48E-01	1.52E-01	8.59E+00	1.23E+00	5.58E-02	1.00E+01	1.47E-01	1.09E-04	1.23E-01	1.09E-02	2.81E-01
4536	494363.09	3858877.25	1.04E-01	8.25E-05	1.68E-01	1.08E-02	2.83E-01	1.38E-01	7.91E+00	1.68E+00	5.50E-02	9.78E+00	1.34E-01	9.99E-05	1.68E-01	1.08E-02	3.13E-01
4537	494863.09	3858877.25	8.78E-02	7.60E-05	8.00E-02	6.34E-03	1.74E-01	1.16E-01	7.29E+00	8.00E-01	3.24E-02	8.24E+00	1.13E-01	9.21E-05	8.00E-02	6.34E-03	1.99E-01
4538	495363.09	3858877.25	7.33E-02	7.06E-05	5.04E-02	6.37E-03	1.30E-01	9.68E-02	6.77E+00	5.04E-01	3.25E-02	7.40E+00	9.39E-02	8.55E-05	5.04E-02	6.37E-03	1.51E-01
4539	495863.09	3858877.25	7.52E-02	6.79E-05	4.37E-02	6.32E-03	1.25E-01	9.93E-02	6.51E+00	4.37E-01	3.23E-02	7.08E+00	9.64E-02	8.22E-05	4.37E-02	6.32E-03	1.47E-01
4540	496363.09	3858877.25	7.97E-02	6.69E-05	4.25E-02	6.22E-03	1.28E-01	1.05E-01	6.42E+00	4.25E-01	3.18E-02	6.98E+00	1.02E-01	8.11E-05	4.25E-02	6.22E-03	1.51E-01
4541	496863.09	3858877.25	8.21E-02	6.62E-05	4.13E-02	6.11E-03	1.30E-01	1.08E-01	6.34E+00	4.13E-01	3.12E-02	6.90E+00	1.05E-01	8.01E-05	4.13E-02	6.11E-03	1.53E-01
4542	497363.09	3858877.25	8.27E-02	6.54E-05	3.94E-02	6.00E-03	1.28E-01	1.09E-01	6.27E+00	3.94E-01	3.07E-02	6.80E+00	1.06E-01	7.92E-05	3.94E-02	6.00E-03	1.52E-01
4543	497863.09	3858877.25	1.12E-01	7.09E-05	7.59E-02	5.83E-03	1.94E-01	1.48E-01	6.80E+00	7.59E-01	2.98E-02	7.74E+00	1.44E-01	8.59E-05	7.59E-02	5.83E-03	2.25E-01
4544	498363.09	3858877.25	1.36E-01	7.76E-05	1.03E-01	7.67E-03	2.46E-01	1.79E-01	7.44E+00	1.03E+00	3.92E-02	8.69E+00	1.74E-01	9.40E-05	1.03E-01	7.67E-03	2.85E-01
4545	471363.09	3859377.25	5.35E-02	4.33E-05	4.78E-02	7.80E-03	1.09E-01	7.06E-02	4.15E+00	4.78E-01	3.98E-02	4.74E+00	6.85E-02	5.25E-05	4.78E-02	7.80E-03	1.24E-01
4546	471863.09	3859377.25	5.64E-02	4.46E-05	4.95E-02	7.00E-03	1.13E-01	7.45E-02	4.27E+00	4.95E-01	3.58E-02	4.88E+00	7.23E-02	5.40E-05	4.95E-02	7.00E-03	1.29E-01
4547	472363.09	3859377.25	5.87E-02	4.99E-05	4.89E-02	7.05E-03	1.15E-01	7.75E-02	4.79E+00	4.89E-01	3.60E-02	5.39E+00	7.52E-02	6.05E-05	4.89E-02	7.05E-03	1.31E-01
4548	472863.09	3859377.25	6.55E-02	5.46E-05	4.86E-02	7.29E-03	1.21E-01	8.66E-02	5.24E+00	4.86E-01	3.72E-02	5.85E+00	8.40E-02	6.62E-05	4.86E-02	7.29E-03	1.40E-01
4549	473363.09	3859377.25	7.58E-02	6.22E-05	4.64E-02	6.94E-03	1.29E-01	1.00E-01	5.97E+00	4.64E-01	3.55E-02	6.57E+00	9.72E-02	7.54E-05	4.64E-02	6.94E-03	1.51E-01
4550	473863.09	3859377.25	8.30E-02	6.35E-05	4.83E-02	7.18E-03	1.39E-01	1.10E-01	6.09E+00	4.83E-01	3.67E-02	6.72E+00	1.06E-01	7.70E-05	4.83E-02	7.18E-03	1.62E-01
4551	474363.09	3859377.25	7.71E-02	4.11E-05	7.23E-02	8.58E-03	1.58E-01	1.02E-01	3.94E+00	7.23E-01	4.38E-02	4.81E+00	9.88E-02	4.98E-05	7.23E-02	8.58E-03	1.80E-01
4552	474863.09	3859377.25	5.54E-02	2.61E-05	4.43E-02	5.77E-03	1.05E-01	7.31E-02	2.50E+00	4.43E-01	2.95E-02	3.05E+00	7.10E-02	3.16E-05	4.43E-02	5.77E-03	1.21E-01
4553	475363.09	3859377.25	3.06E-02	2.65E-05	1.41E-02	5.75E-03	5.05E-02	4.05E-02	2.54E+00	1.41E-01	2.94E-02	2.75E+00	3.93E-02	3.21E-05	1.41E-02	5.75E-03	5.91E-02
4554	475863.09	3859377.25	2.76E-02	2.64E-05	1.40E-02	5.69E-03	4.73E-02	3.64E-02	2.54E+00	1.40E-01	2.91E-02	2.74E+00	3.54E-02	3.20E-05	1.40E-02	5.69E-03	5.51E-02
4555	476363.09	3859377.25	2.74E-02	2.58E-05	1.40E-02	5.48E-03	4.68E-02	3.61E-02	2.48E+00	1.40E-01	2.80E-02	2.68E+00	3.51E-02	3.13E-05	1.40E-02	5.48E-03	5.46E-02
4556	476863.09	3859377.25	2.70E-02	2.46E-05	1.39E-02	5.60E-03	4.65E-02	3.57E-02	2.36E+00	1.39E-01	2.86E-02	2.56E+00	3.46E-02	2.98E-05	1.39E-02	5.60E-03	5.41E-02
4557	477363.09	3859377.25	2.63E-02	2.30E-05	1.38E-02	5.71E-03	4.58E-02	3.47E-02	2.21E+00	1.38E-01	2.92E-02	2.41E+00	3.37E-02	2.79E-05	1.38E-02	5.71E-03	5.32E-02
4558	477863.09	3859377.25	2.75E-02	2.17E-05	1.48E-02	6.68E-03	4.89E-02	3.63E-02	2.08E+00	1.48E-01	3.41E-02	2.30E+00	3.52E-02	2.63E-05	1.48E-02	6.68E-03	5.67E-02
4559	478363.09	3859377.25	3.58E-02	2.73E-05	4.86E-02	7.88E-03	9.23E-02	4.72E-02	2.61E+00	4.86E-01	4.02E-02	3.19E+00	4.58E-02	3.30E-05	4.86E-02	7.88E-03	1.02E-01
4560	478863.09	3859377.25	7.65E-02	3.43E-05	1.90E-01	1.12E-02	2.78E-01	1.01E-01	3.29E+00	1.90E+00	5.73E-02	5.35E+00	9.81E-02	4.15E-05	1.90E-01	1.12E-02	3.00E-01
4561	479363.09	3859377.25	1.09E-01	4.80E-05	2.20E-01	2.02E-02	3.49E-01	1.44E-01	4.60E+00	2.20E+00	1.03E-01	7.05E+00	1.40E-01	5.82E-05	2.20E-01	2.02E-02	3.80E-01
4562	479863.09	3859377.25	1.32E-01	7.54E-05	1.28E-01	1.19E-02	2.72E-01	1.74E-01	7.23E+00	1.28E+00	6.10E-02	8.75E+00	1.69E-01	9.14E-05	1.28E-01	1.19E-02	3.09E-01
4563	480363.09	3859377.25	1.42E-01	1.09E-04	4.35E-02	8.71E-03	1.95E-01	1.88E-01	1.04E+01	4.35E-01	4.45E-02	1.11E+01	1.83E-01	1.32E-04	4.35E-02	8.71E-03	2.35E-01
4564	480863.09	3859377.25	1.66E-01	1.50E-04	3.42E-02	7.29E-03	2.07E-01	2.19E-01	1.44E+01	3.42E-01	3.73E-02	1.50E+01	2.12E-01	1.82E-04	3.42E-02	7.29E-03	2.54E-01
4565	481363.09	3859377.25	2.01E-01	1.76E-04	3.69E-02	8.25E-03	2.46E-01	2.65E-01	1.69E+01	3.69E-01	4.21E-02	1.76E+01	2.57E-01	2.13E-04	3.69E-02	8.25E-03	3.03E-01
4566	481863.09	3859377.25	2.16E-01	2.01E-04	3.91E-02	8.68E-03	2.64E-01	2.85E-01	1.93E+01	3.91E-01	4.43E-02	2.00E+01	2.77E-01	2.44E-04	3.91E-02	8.68E-03	3.25E-01
4567	482363.09	3859377.25	2.13E-01	2.20E-04	4.48E-02	6.84E-03	2.65E-01	2.82E-01	2.11E+01	4.48E-01	3.49E-02	2.18E+01	2.74E-01	2.66E-04	4.48E-02	6.84E-03	3.26E-01
4568	482863.09	3859377.25	2.66E-01	2.49E-04	4.61E-02	7.04E-03	3.20E-01	3.52E-01	2.39E+01	4.61E-01	3.59E-02	2.48E+01	3.42E-01	3.02E-04	4.61E-02	7.04E-03	3.95E-01
4569	483363.09	3859377.25	3.12E-01	3.21E-04	4.12E-02	7.25E-03	3.61E-01	4.12E-01	3.07E+01	4.12E-01	3.70E-02	3.16E+01	4.00E-01	3.88E-04	4.12E-02	7.25E-03	4.49E-01
4570	483863.09	3859377.25	2.92E-01	3.67E-04	3.74E-02	8.19E-03	3.38E-01	3.86E-01	3.52E+01	3.74E-01	4.18E-02	3.60E+01	3.74E-01	4.45E-04	3.74E-02	8.19E-03	4.20E-01
4571	484363.09	3859377.25	2.52E-01	3.99E-04	4.92E-02	1.21E-02	3.14E-01	3.33E-01	3.83E+01	4.92E-01	6.19E-02	3.92E+01	3.23E-01	4.84E-04	4.92E-02	1.21E-02	3.85E-01

4572	484863.09	3859377.25	2.35E-01	4.79E-04	5.87E-02	1.93E-02	3.13E-01	3.10E-01	4.59E+01	5.87E-01	9.87E-02	4.69E+01	3.01E-01	5.80E-04	5.87E-02	1.93E-02	3.79E-01
4573	485363.09	3859377.25	2.39E-01	6.22E-04	5.65E-02	2.55E-02	3.21E-01	3.15E-01	5.96E+01	5.65E-01	1.30E-01	6.06E+01	3.06E-01	7.53E-04	5.65E-02	2.55E-02	3.89E-01
4574	485863.09	3859377.25	2.33E-01	8.57E-04	4.28E-02	2.92E-02	3.06E-01	3.08E-01	8.22E+01	4.28E-01	1.49E-01	8.30E+01	2.99E-01	1.04E-03	4.28E-02	2.92E-02	3.72E-01
4575	486363.09	3859377.25	2.87E-01	1.19E-03	5.06E-02	2.85E-02	3.67E-01	3.79E-01	1.14E+02	5.06E-01	1.46E-01	1.15E+02	3.68E-01	1.44E-03	5.06E-02	2.85E-02	4.48E-01
4576	486863.09	3859377.25	3.92E-01	1.80E-03	3.88E-02	3.42E-02	4.67E-01	5.18E-01	1.72E+02	3.88E-01	1.74E-01	1.73E+02	5.03E-01	2.18E-03	3.88E-02	3.42E-02	5.78E-01
4577	487363.09	3859377.25	3.21E-01	1.88E-03	2.57E-02	2.23E-02	3.71E-01	4.24E-01	1.80E+02	2.57E-01	1.14E-01	1.81E+02	4.11E-01	2.28E-03	2.57E-02	2.23E-02	4.62E-01
4578	487863.09	3859377.25	3.80E-01	1.79E-03	2.71E-02	3.38E-02	4.43E-01	5.03E-01	1.71E+02	2.71E-01	1.73E-01	1.72E+02	4.88E-01	2.17E-03	2.71E-02	3.38E-02	5.51E-01
4579	488363.09	3859377.25	3.53E-01	1.90E-03	3.02E-02	2.09E-01	5.94E-01	4.66E-01	1.82E+02	3.02E-01	1.07E+00	1.84E+02	4.52E-01	2.30E-03	3.02E-02	2.09E-01	6.94E-01
4580	488863.09	3859377.25	4.07E-01	1.67E-03	5.41E-02	1.88E-02	4.82E-01	5.38E-01	1.61E+02	5.41E-01	9.59E-02	1.62E+02	5.22E-01	2.03E-03	5.41E-02	1.88E-02	5.97E-01
4581	489363.09	3859377.25	4.71E-01	1.00E-03	4.34E-02	1.19E-02	5.27E-01	6.22E-01	9.62E+01	4.34E-01	6.08E-02	9.73E+01	6.04E-01	1.22E-03	4.34E-02	1.19E-02	6.61E-01
4582	489863.09	3859377.25	3.54E-01	7.50E-04	6.49E-02	1.06E-02	4.31E-01	4.68E-01	7.19E+01	6.49E-01	5.42E-02	7.31E+01	4.54E-01	9.09E-04	6.49E-02	1.06E-02	5.31E-01
4583	490363.09	3859377.25	2.93E-01	5.78E-04	7.06E-02	1.01E-02	3.74E-01	3.87E-01	5.54E+01	7.06E-01	5.16E-02	5.66E+01	3.75E-01	7.00E-04	7.06E-02	1.01E-02	4.57E-01
4584	490863.09	3859377.25	2.78E-01	3.31E-04	5.98E-02	9.43E-03	3.47E-01	3.67E-01	3.18E+01	5.98E-01	4.81E-02	3.28E+01	3.56E-01	4.01E-04	5.98E-02	9.43E-03	4.26E-01
4585	491363.09	3859377.25	4.12E-01	1.89E-04	8.90E-02	1.90E-02	5.20E-01	5.44E-01	1.81E+01	8.90E-01	9.72E-02	1.96E+01	5.28E-01	2.29E-04	8.90E-02	1.90E-02	6.37E-01
4586	491863.09	3859377.25	3.74E-01	2.17E-04	5.19E-02	1.16E-02	4.37E-01	4.94E-01	2.08E+01	5.19E-01	5.93E-02	2.19E+01	4.79E-01	2.63E-04	5.19E-02	1.16E-02	5.43E-01
4587	492363.09	3859377.25	3.14E-01	2.00E-04	5.80E-02	1.11E-02	3.83E-01	4.15E-01	1.92E+01	5.80E-01	5.65E-02	2.02E+01	4.03E-01	2.42E-04	5.80E-02	1.11E-02	4.72E-01
4588	492863.09	3859377.25	2.84E-01	1.93E-04	6.65E-02	9.96E-03	3.60E-01	3.75E-01	1.85E+01	6.65E-01	5.09E-02	1.96E+01	3.64E-01	2.34E-04	6.65E-02	9.96E-03	4.40E-01
4589	493363.09	3859377.25	2.32E-01	1.63E-04	8.88E-02	1.08E-02	3.31E-01	3.06E-01	1.56E+01	8.88E-01	5.52E-02	1.69E+01	2.97E-01	1.97E-04	8.88E-02	1.08E-02	3.97E-01
4590	493863.09	3859377.25	2.13E-01	1.54E-04	8.33E-02	1.16E-02	3.08E-01	2.81E-01	1.47E+01	8.33E-01	5.91E-02	1.59E+01	2.73E-01	1.86E-04	8.33E-02	1.16E-02	3.68E-01
4591	494363.09	3859377.25	1.76E-01	1.08E-04	1.19E-01	1.23E-02	3.07E-01	2.32E-01	1.03E+01	1.19E+00	6.28E-02	1.18E+01	2.25E-01	1.31E-04	1.19E-01	1.23E-02	3.57E-01
4592	494863.09	3859377.25	1.33E-01	8.65E-05	1.48E-01	1.33E-02	2.94E-01	1.75E-01	8.29E+00	1.48E+00	6.81E-02	1.00E+01	1.70E-01	1.05E-04	1.48E-01	1.33E-02	3.32E-01
4593	495363.09	3859377.25	1.20E-01	8.03E-05	1.22E-01	1.27E-02	2.56E-01	1.59E-01	7.70E+00	1.22E+00	6.51E-02	9.15E+00	1.54E-01	9.73E-05	1.22E-01	1.27E-02	2.89E-01
4594	495863.09	3859377.25	1.11E-01	7.15E-05	8.76E-02	1.01E-02	2.09E-01	1.47E-01	6.86E+00	8.76E-01	5.18E-02	7.93E+00	1.43E-01	8.66E-05	8.76E-02	1.01E-02	2.41E-01
4595	496363.09	3859377.25	1.07E-01	6.87E-05	6.64E-02	9.63E-03	1.83E-01	1.42E-01	6.59E+00	6.64E-01	4.92E-02	7.45E+00	1.37E-01	8.33E-05	6.64E-02	9.63E-03	2.14E-01
4596	496863.09	3859377.25	8.47E-02	6.10E-05	5.97E-02	7.15E-03	1.52E-01	1.12E-01	5.85E+00	5.97E-01	3.65E-02	6.59E+00	1.09E-01	7.38E-05	5.97E-02	7.15E-03	1.76E-01
4597	497363.09	3859377.25	9.52E-02	6.23E-05	7.90E-02	9.30E-03	1.84E-01	1.26E-01	5.97E+00	7.90E-01	4.75E-02	6.94E+00	1.22E-01	7.55E-05	7.90E-02	9.30E-03	2.10E-01
4598	497863.09	3859377.25	1.25E-01	7.40E-05	8.52E-02	1.22E-02	2.23E-01	1.65E-01	7.10E+00	8.52E-01	6.24E-02	8.18E+00	1.61E-01	8.97E-05	8.52E-02	1.22E-02	2.58E-01
4599	498363.09	3859377.25	1.40E-01	1.02E-04	6.10E-02	1.05E-02	2.12E-01	1.86E-01	9.78E+00	6.10E-01	5.34E-02	1.06E+01	1.80E-01	1.24E-04	6.10E-02	1.05E-02	2.52E-01
4600	471363.09	3859877.25	5.92E-02	4.05E-05	3.43E-02	6.68E-03	1.00E-01	7.82E-02	3.88E+00	3.43E-01	3.41E-02	4.34E+00	7.59E-02	4.90E-05	3.43E-02	6.68E-03	1.17E-01
4601	471863.09	3859877.25	6.77E-02	4.45E-05	3.18E-02	6.25E-03	1.06E-01	8.94E-02	4.27E+00	3.18E-01	3.19E-02	4.71E+00	8.68E-02	5.39E-05	3.18E-02	6.25E-03	1.25E-01
4602	472363.09	3859877.25	7.49E-02	4.77E-05	2.98E-02	5.79E-03	1.10E-01	9.89E-02	4.57E+00	2.98E-01	2.96E-02	5.00E+00	9.60E-02	5.77E-05	2.98E-02	5.79E-03	1.32E-01
4603	472863.09	3859877.25	8.05E-02	5.34E-05	2.59E-02	5.84E-03	1.12E-01	1.06E-01	5.12E+00	2.59E-01	2.98E-02	5.52E+00	1.03E-01	6.47E-05	2.59E-02	5.84E-03	1.35E-01
4604	473363.09	3859877.25	8.39E-02	5.92E-05	2.24E-02	5.84E-03	1.12E-01	1.11E-01	5.67E+00	2.24E-01	2.98E-02	6.04E+00	1.08E-01	7.17E-05	2.24E-02	5.84E-03	1.36E-01
4605	473863.09	3859877.25	8.58E-02	6.33E-05	2.30E-02	6.27E-03	1.15E-01	1.13E-01	6.07E+00	2.30E-01	3.20E-02	6.44E+00	1.10E-01	7.66E-05	2.30E-02	6.27E-03	1.39E-01
4606	474363.09	3859877.25	8.13E-02	5.28E-05	1.01E-01	1.84E-02	2.00E-01	1.07E-01	5.06E+00	1.01E+00	9.39E-02	6.27E+00	1.04E-01	6.40E-05	1.01E-01	1.84E-02	2.23E-01
4607	474863.09	3859877.25	6.78E-02	3.94E-05	1.29E-01	1.70E-02	2.14E-01	8.96E-02	3.77E+00	1.29E+00	8.69E-02	5.24E+00	8.70E-02	4.77E-05	1.29E-01	1.70E-02	2.33E-01
4608	475363.09	3859877.25	3.45E-02	2.54E-05	3.41E-02	5.24E-03	7.39E-02	4.55E-02	2.43E+00	3.41E-01	2.68E-02	2.85E+00	4.42E-02	3.07E-05	3.41E-02	5.24E-03	8.36E-02
4609	475863.09	3859877.25	2.50E-02	2.38E-05	1.45E-02	5.12E-03	4.47E-02	3.31E-02	2.29E+00	1.45E-01	2.62E-02	2.49E+00	3.21E-02	2.89E-05	1.45E-02	5.12E-03	5.17E-02
4610	476363.09	3859877.25	2.29E-02	2.25E-05	1.60E-02	5.12E-03	4.40E-02	3.03E-02	2.15E+00	1.60E-01	2.61E-02	2.37E+00	2.94E-02	2.72E-05	1.60E-02	5.12E-03	5.05E-02
4611	476863.09	3859877.25	2.32E-02	2.14E-05	1.71E-02	6.07E-03	4.63E-02	3.06E-02	2.05E+00	1.71E-01	3.10E-02	2.28E+00	2.97E-02	2.59E-05	1.71E-02	6.07E-03	5.29E-02
4612	477363.09	3859877.25	2.30E-02	2.04E-05	1.83E-02	6.79E-03	4.81E-02	3.03E-02	1.96E+00	1.83E-01	3.47E-02	2.21E+00	2.94E-02	2.47E-05	1.83E-02	6.79E-03	5.46E-02
4613	477863.09	3859877.25	2.95E-02	1.99E-05	2.06E-02	8.41E-03	5.85E-02	3.90E-02	1.90E+00	2.06E-01	4.29E-02	2.19E+00	3.78E-02	2.41E-05	2.06E-02	8.41E-03	6.69E-02
4614	478363.09	3859877.25	4.51E-02	2.56E-05	6.29E-02	9.32E-03	1.17E-01	5.96E-02	2.46E+00	6.29E-01	4.76E-02	3.19E+00	5.78E-02	3.10E-05	6.29E-02	9.32E-03	1.30E-01
4615	478863.09	3859877.25	7.40E-02	3.37E-05	2.01E-01	1.42E-02	2.89E-01	9.77E-02	3.24E+00	2.01E+00	7.23E-02	5.41E+00	9.48E-02	4.09E-05	2.01E-01	1.42E-02	3.10E-01
4616	479363.09	3859877.25	1.12E-01	5.94E-05	1.60E-01	1.70E-02	2.89E-01	1.48E-01	5.70E+00	1.60E+00	8.67E-02	7.54E+00	1.43E-01	7.20E-05	1.60E-01	1.70E-02	3.21E-01
4617	479863.09	3859877.25	1.26E-01	8.73E-05	6.63E-02	1.39E-02	2.06E-01	1.66E-01	8.37E+00	6.63E-01	7.09E-02	9.27E+00	1.61E-01	1.06E-04	6.63E-02	1.39E-02	2.41E-01
4618	480363.09	3859877.25	1.49E-01	1.36E-04	3.91E-02	6.77E-03	1.95E-01	1.97E-01	1.31E+01	3.91E-01	3.46E-02	1.37E+01	1.91E-01	1.65E-04	3.91E-02	6.77E-03	2.37E-01
4619	480863.09	3859877.25	1.77E-01	1.77E-04	4.06E-02	7.93E-03	2.25E-01	2.33E-01	1.70E+01	4.06E-01	4.05E-02	1.76E+01	2.27E-01	2.14E-04	4.06E-02	7.93E-03	2.75E-01
4620	481363.09	3859877.25	1.84E-01	1.96E-04	3.77E-02	7.32E-03	2.30E-01	2.44E-01	1.88E+01	3.77E-01	3.74E-02	1.95E+01	2.36E-01	2.38E-04	3.77E-02	7.32E-03	2.82E-01
4621	481863.09	3859877.25	1.76E-01	2.14E-04	3.22E-02	6.64E-03	2.15E-01	2.32E-01	2.05E+01	3.22E-01	3.39E-02	2.11E+01	2.25E-01	2.59E-04	3.22E-02	6.64E-03	2.64E-01
4622	482363.09	3859877.25	2.06E-01	2.18E-04	3.19E-02	6.97E-03	2.45E-01	2.71E-01	2.10E+01	3.19E-01	3.56E-02	2.16E+01	2.63E-01	2.65E-04	3.19E-02	6.97E-03	3.03E-01
4623	482863.09	3859877.25	2.68E-01	2.24E-04	3.79E-02	7.25E-03	3.14E-01	3.55E-01	2.15E+01	3.79E-01	3.70E-02	2.23E+01	3.44E-01	2.72E-04	3.79E-02	7.25E-03	3.90E-01
4624	483363.09	3859877.25	2.72E-01	2.23E-04	4.61E-02	7.48E-03	3.26E-01	3.60E-01	2.14E+01	4.61E-01	3.82E-02	2.22E+01	3.49E-01	2.70E-04	4.61E-02	7.48E-03	4.03E-01
4625	483863.09	3859877.25	2.22E-01	3.08E-04	4.90E-02	8.47E-03	2.80E-01	2.93E-01	2.96E+01	4.90E-01	4.32E-02	3.04E+01	2.85E-01	3.74E-04	4.90E-02	8.47E-03	3.43E-01
4626	484363.09	3859877.25	2.08E-01	3.54E-04	4.53E-02	7.70E-03	2.61E-01	2.74E-01	3.39E+01	4.53E-01	3.93E-02	3.47E+01	2.66E-01	4.28E-04	4.53E-02	7.70E-03	3.20E-01
4627	484863.09	3859877.25	2.15E-01	3.70E-04	3.86E-02	8.12E-03	2.63E-01	2.85E-01	3.54E+01	3.86E-01	4.15E-02	3.62E+01	2.76E-01	4.48E-04	3.86E-02	8.12E-03	3.23E-01
4628	485363.09	3859877.25	1.90E-01	4.92E-04	4.76E-02	8.69E-03	2.46E-01	2.51E-01	4.72E+01	4.76E-01	4.44E-02	4.80E+01	2.43E-01	5.97E-04	4.76E-02	8.69E-03	3.00E-01
4629	485863.09	3859877.25	2.02E-01	5.87E-04	4.76E-02	9.68E-03	2.60E-01	2.67E-01	5.63E+01	4.76E-01	4.94E-02	5.71E+01	2.59E-01	7.11E-04	4.76E-02	9.68E-03	3.17E-01
4630	486363.09	3859877.25	2.22E-01	6.64E-04	4.26E-02	1.18E-02	2.77E-01	2.94E-01	6.37E+01	4.26E-01	6.03E-02	6.44E+01	2.85E-01	8.04E-04	4.26E-02	1.18E-02	3.40E-01
4631	486863.09	3859877.25	3.20E-01	8.04E-04	3.01E-02	1.75E-02	3.68E-01	4.23E-01	7.71E+01	3.01E-01	8.93E-02	7.79E+01	4.10E-01	9.74E-04	3.01E-02	1.75E-02	4.59E-01
4632	487363.09	3859877.25	3.11E-01	1.02E-03	2.68E-02	1.51E-02	3.54E-01	4.11E-01	9.82E+01	2.68E-01	7.69E-02	9.89E+01	3.99E-01	1.24E-03	2.68E-02	1.51E-02	4.42E-01

4633	487863.09	3859877.25	2.92E-01	1.85E-03	5.65E-02	1.96E-02	3.70E-01	3.85E-01	1.77E+02	5.65E-01	1.00E-01	1.78E+02	3.74E-01	2.24E-03	5.65E-02	1.96E-02	4.52E-01
4634	488363.09	3859877.25	3.33E-01	1.90E-03	4.34E-02	5.39E-02	4.32E-01	4.40E-01	1.82E+02	4.34E-01	2.75E-01	1.83E+02	4.27E-01	2.30E-03	4.34E-02	5.39E-02	5.27E-01
4635	488863.09	3859877.25	3.35E-01	9.98E-04	4.74E-02	4.21E-02	4.26E-01	4.43E-01	9.57E+01	4.74E-01	2.15E-01	9.69E+01	4.30E-01	1.21E-03	4.74E-02	4.21E-02	5.20E-01
4636	489363.09	3859877.25	3.48E-01	7.97E-04	6.28E-02	2.90E-02	4.40E-01	4.59E-01	7.65E+01	6.28E-01	1.48E-01	7.77E+01	4.46E-01	9.66E-04	6.28E-02	2.90E-02	5.39E-01
4637	489863.09	3859877.25	4.03E-01	6.93E-04	4.15E-02	1.92E-02	4.64E-01	5.32E-01	6.65E+01	4.15E-01	9.83E-02	6.75E+01	5.16E-01	8.40E-04	4.15E-02	1.92E-02	5.78E-01
4638	490363.09	3859877.25	2.72E-01	5.61E-04	5.19E-02	1.32E-02	3.37E-01	3.59E-01	5.38E+01	5.19E-01	6.73E-02	5.47E+01	3.48E-01	6.79E-04	5.19E-02	1.32E-02	4.14E-01
4639	490863.09	3859877.25	2.73E-01	4.82E-04	5.20E-02	9.98E-03	3.36E-01	3.61E-01	4.62E+01	5.20E-01	5.10E-02	4.72E+01	3.50E-01	5.84E-04	5.20E-02	9.98E-03	4.13E-01
4640	491363.09	3859877.25	1.92E-01	4.39E-04	5.89E-02	1.02E-02	2.62E-01	2.54E-01	4.21E+01	5.89E-01	5.22E-02	4.30E+01	2.46E-01	5.32E-04	5.89E-02	1.02E-02	3.16E-01
4641	491863.09	3859877.25	2.54E-01	3.85E-04	5.30E-02	1.03E-02	3.17E-01	3.35E-01	3.69E+01	5.30E-01	5.26E-02	3.78E+01	3.25E-01	4.66E-04	5.30E-02	1.03E-02	3.89E-01
4642	492363.09	3859877.25	3.08E-01	3.27E-04	4.53E-02	1.01E-02	3.64E-01	4.07E-01	3.14E+01	4.53E-01	5.16E-02	3.23E+01	3.95E-01	3.97E-04	4.53E-02	1.01E-02	4.51E-01
4643	492863.09	3859877.25	2.79E-01	2.57E-04	4.87E-02	9.80E-03	3.38E-01	3.68E-01	2.46E+01	4.87E-01	5.01E-02	2.55E+01	3.57E-01	3.11E-04	4.87E-02	9.80E-03	4.16E-01
4644	493363.09	3859877.25	2.37E-01	2.20E-04	4.52E-02	9.56E-03	2.92E-01	3.13E-01	2.11E+01	4.52E-01	4.88E-02	2.20E+01	3.03E-01	2.67E-04	4.52E-02	9.56E-03	3.58E-01
4645	493863.09	3859877.25	2.24E-01	1.94E-04	4.15E-02	9.31E-03	2.75E-01	2.96E-01	1.86E+01	4.15E-01	4.76E-02	1.93E+01	2.88E-01	2.35E-04	4.15E-02	9.31E-03	3.39E-01
4646	494363.09	3859877.25	2.06E-01	1.59E-04	5.48E-02	9.04E-03	2.70E-01	2.72E-01	1.52E+01	5.48E-01	4.62E-02	1.61E+01	2.64E-01	1.92E-04	5.48E-02	9.04E-03	3.28E-01
4647	494863.09	3859877.25	1.96E-01	1.45E-04	5.49E-02	9.22E-03	2.60E-01	2.59E-01	1.39E+01	5.49E-01	4.71E-02	1.47E+01	2.51E-01	1.75E-04	5.49E-02	9.22E-03	3.16E-01
4648	495363.09	3859877.25	1.78E-01	1.27E-04	5.53E-02	1.14E-02	2.45E-01	2.35E-01	1.22E+01	5.53E-01	5.82E-02	1.30E+01	2.28E-01	1.54E-04	5.53E-02	1.14E-02	2.95E-01
4649	495863.09	3859877.25	1.47E-01	1.18E-04	6.80E-02	1.32E-02	2.28E-01	1.94E-01	1.13E+01	6.80E-01	6.72E-02	1.22E+01	1.89E-01	1.43E-04	6.80E-02	1.32E-02	2.70E-01
4650	496363.09	3859877.25	1.25E-01	7.59E-05	1.15E-01	1.28E-02	2.53E-01	1.66E-01	7.28E+00	1.15E+00	6.52E-02	8.66E+00	1.61E-01	9.19E-05	1.15E-01	1.28E-02	2.89E-01
4651	496863.09	3859877.25	8.12E-02	5.69E-05	6.65E-02	7.93E-03	1.56E-01	1.07E-01	5.45E+00	6.65E-01	4.05E-02	6.27E+00	1.04E-01	6.89E-05	6.65E-02	7.93E-03	1.79E-01
4652	497363.09	3859877.25	1.10E-01	6.58E-05	1.13E-01	1.21E-02	2.36E-01	1.46E-01	6.31E+00	1.13E+00	6.18E-02	7.65E+00	1.41E-01	7.97E-05	1.13E-01	1.21E-02	2.67E-01
4653	497863.09	3859877.25	1.15E-01	1.01E-04	5.43E-02	1.13E-02	1.80E-01	1.51E-01	9.64E+00	5.43E-01	5.75E-02	1.04E+01	1.47E-01	1.22E-04	5.43E-02	1.13E-02	2.13E-01
4654	498363.09	3859877.25	9.64E-02	1.07E-04	3.60E-02	7.57E-03	1.40E-01	1.27E-01	1.03E+01	3.60E-01	3.86E-02	1.08E+01	1.24E-01	1.30E-04	3.60E-02	7.57E-03	1.67E-01
4655	471363.09	3860377.25	7.37E-02	4.52E-05	2.71E-02	5.76E-03	1.07E-01	9.73E-02	4.33E+00	2.71E-01	2.94E-02	4.73E+00	9.45E-02	5.47E-05	2.71E-02	5.76E-03	1.27E-01
4656	471863.09	3860377.25	7.69E-02	4.82E-05	2.89E-02	5.75E-03	1.12E-01	1.02E-01	4.63E+00	2.89E-01	2.94E-02	5.05E+00	9.86E-02	5.85E-05	2.89E-02	5.75E-03	1.33E-01
4657	472363.09	3860377.25	7.88E-02	5.24E-05	2.77E-02	5.72E-03	1.12E-01	1.04E-01	5.03E+00	2.77E-01	2.92E-02	5.44E+00	1.01E-01	6.35E-05	2.77E-02	5.72E-03	1.35E-01
4658	472863.09	3860377.25	7.98E-02	5.68E-05	2.42E-02	5.99E-03	1.10E-01	1.05E-01	5.45E+00	2.42E-01	3.06E-02	5.83E+00	1.02E-01	6.89E-05	2.42E-02	5.99E-03	1.33E-01
4659	473363.09	3860377.25	7.97E-02	6.16E-05	2.32E-02	5.83E-03	1.09E-01	1.05E-01	5.91E+00	2.32E-01	2.98E-02	6.27E+00	1.02E-01	7.46E-05	2.32E-02	5.83E-03	1.31E-01
4660	473863.09	3860377.25	7.95E-02	6.55E-05	2.69E-02	6.91E-03	1.13E-01	1.05E-01	6.28E+00	2.69E-01	3.53E-02	6.69E+00	1.02E-01	7.93E-05	2.69E-02	6.91E-03	1.36E-01
4661	474363.09	3860377.25	9.12E-02	6.28E-05	4.71E-02	1.02E-02	1.49E-01	1.21E-01	6.03E+00	4.71E-01	5.21E-02	6.67E+00	1.17E-01	7.61E-05	4.71E-02	1.02E-02	1.74E-01
4662	474863.09	3860377.25	9.30E-02	5.31E-05	1.42E-01	2.11E-02	2.56E-01	1.23E-01	5.09E+00	1.42E+00	1.08E-01	6.74E+00	1.19E-01	6.43E-05	1.42E-01	2.11E-02	2.82E-01
4663	475363.09	3860377.25	8.00E-02	3.75E-05	1.81E-01	1.46E-02	2.76E-01	1.06E-01	3.59E+00	1.81E+00	7.47E-02	5.59E+00	1.03E-01	4.54E-05	1.81E-01	1.46E-02	2.98E-01
4664	475863.09	3860377.25	5.91E-02	2.80E-05	1.23E-01	6.04E-03	1.88E-01	7.81E-02	2.68E+00	1.23E+00	3.09E-02	4.02E+00	7.58E-02	3.39E-05	1.23E-01	6.04E-03	2.04E-01
4665	476363.09	3860377.25	3.62E-02	2.02E-05	4.67E-02	6.74E-03	8.97E-02	4.79E-02	1.94E+00	4.67E-01	3.44E-02	2.49E+00	4.64E-02	2.45E-05	4.67E-02	6.74E-03	9.99E-02
4666	476863.09	3860377.25	3.16E-02	1.98E-05	3.14E-02	7.54E-03	7.05E-02	4.17E-02	1.90E+00	3.14E-01	3.85E-02	2.29E+00	4.05E-02	2.39E-05	3.14E-02	7.54E-03	7.94E-02
4667	477363.09	3860377.25	2.86E-02	1.88E-05	1.92E-02	7.30E-03	5.51E-02	3.77E-02	1.81E+00	1.92E-01	3.73E-02	2.07E+00	3.66E-02	2.28E-05	1.92E-02	7.30E-03	6.32E-02
4668	477863.09	3860377.25	3.01E-02	2.08E-05	2.56E-02	8.68E-03	6.43E-02	3.97E-02	2.00E+00	2.56E-01	4.43E-02	2.34E+00	3.85E-02	2.52E-05	2.56E-02	8.68E-03	7.28E-02
4669	478363.09	3860377.25	4.38E-02	2.95E-05	4.47E-02	8.62E-03	9.71E-02	5.78E-02	2.82E+00	4.47E-01	4.40E-02	3.37E+00	5.61E-02	3.57E-05	4.47E-02	8.62E-03	1.09E-01
4670	478863.09	3860377.25	7.29E-02	3.86E-05	6.54E-02	8.01E-03	1.46E-01	9.63E-02	3.70E+00	6.54E-01	4.09E-02	4.49E+00	9.35E-02	4.67E-05	6.54E-02	8.01E-03	1.67E-01
4671	479363.09	3860377.25	1.11E-01	5.97E-05	7.35E-02	1.18E-02	1.97E-01	1.47E-01	5.72E+00	7.35E-01	6.05E-02	6.67E+00	1.43E-01	7.23E-05	7.35E-02	1.18E-02	2.28E-01
4672	479863.09	3860377.25	1.32E-01	9.31E-05	4.75E-02	8.05E-03	1.88E-01	1.74E-01	8.93E+00	4.75E-01	4.11E-02	9.62E+00	1.69E-01	1.13E-04	4.75E-02	8.05E-03	2.25E-01
4673	480363.09	3860377.25	1.50E-01	1.17E-04	2.76E-02	7.40E-03	1.85E-01	1.98E-01	1.12E+01	2.76E-01	3.78E-02	1.17E+01	1.92E-01	1.41E-04	2.76E-02	7.40E-03	2.27E-01
4674	480863.09	3860377.25	1.53E-01	1.30E-04	2.76E-02	7.22E-03	1.88E-01	2.02E-01	1.25E+01	2.76E-01	3.69E-02	1.30E+01	1.96E-01	1.58E-04	2.76E-02	7.22E-03	2.31E-01
4675	481363.09	3860377.25	1.51E-01	1.53E-04	3.01E-02	7.20E-03	1.89E-01	2.00E-01	1.46E+01	3.01E-01	3.68E-02	1.52E+01	1.94E-01	1.85E-04	3.01E-02	7.20E-03	2.32E-01
4676	481863.09	3860377.25	1.66E-01	1.78E-04	3.61E-02	7.47E-03	2.09E-01	2.19E-01	1.71E+01	3.61E-01	3.82E-02	1.77E+01	2.12E-01	2.16E-04	3.61E-02	7.47E-03	2.56E-01
4677	482363.09	3860377.25	2.11E-01	2.12E-04	4.10E-02	7.64E-03	2.60E-01	2.79E-01	2.04E+01	4.10E-01	3.90E-02	2.11E+01	2.70E-01	2.57E-04	4.10E-02	7.64E-03	3.19E-01
4678	482863.09	3860377.25	2.33E-01	2.43E-04	4.25E-02	7.72E-03	2.84E-01	3.08E-01	2.33E+01	4.25E-01	3.94E-02	2.41E+01	2.99E-01	2.94E-04	4.25E-02	7.72E-03	3.49E-01
4679	483363.09	3860377.25	2.07E-01	2.80E-04	3.91E-02	7.89E-03	2.54E-01	2.73E-01	2.69E+01	3.91E-01	4.03E-02	2.76E+01	2.65E-01	3.40E-04	3.91E-02	7.89E-03	3.12E-01
4680	483863.09	3860377.25	1.99E-01	2.88E-04	3.71E-02	8.06E-03	2.45E-01	2.63E-01	2.76E+01	3.71E-01	4.12E-02	2.83E+01	2.56E-01	3.48E-04	3.71E-02	8.06E-03	3.01E-01
4681	484363.09	3860377.25	1.97E-01	3.13E-04	4.07E-02	8.12E-03	2.46E-01	2.60E-01	3.01E+01	4.07E-01	4.15E-02	3.08E+01	2.52E-01	3.80E-04	4.07E-02	8.12E-03	3.01E-01
4682	484863.09	3860377.25	1.86E-01	3.35E-04	4.05E-02	8.17E-03	2.35E-01	2.46E-01	3.21E+01	4.05E-01	4.17E-02	3.28E+01	2.39E-01	4.06E-04	4.05E-02	8.17E-03	2.88E-01
4683	485363.09	3860377.25	1.58E-01	3.74E-04	4.72E-02	7.98E-03	2.14E-01	2.09E-01	3.58E+01	4.72E-01	4.07E-02	3.66E+01	2.03E-01	4.53E-04	4.72E-02	7.98E-03	2.59E-01
4684	485863.09	3860377.25	1.71E-01	4.67E-04	4.27E-02	8.96E-03	2.23E-01	2.26E-01	4.48E+01	4.27E-01	4.58E-02	4.55E+01	2.19E-01	5.66E-04	4.27E-02	8.96E-03	2.71E-01
4685	486363.09	3860377.25	1.87E-01	5.79E-04	3.87E-02	1.20E-02	2.38E-01	2.46E-01	5.55E+01	3.87E-01	6.12E-02	5.62E+01	2.39E-01	7.01E-04	3.87E-02	1.20E-02	2.90E-01
4686	486863.09	3860377.25	2.51E-01	7.02E-04	4.02E-02	1.41E-02	3.06E-01	3.32E-01	6.73E+01	4.02E-01	7.19E-02	6.81E+01	3.22E-01	8.51E-04	4.02E-02	1.41E-02	3.77E-01
4687	487363.09	3860377.25	2.87E-01	1.02E-03	3.74E-02	1.30E-02	3.38E-01	3.79E-01	9.82E+01	3.74E-01	6.65E-02	9.90E+01	3.67E-01	1.24E-03	3.74E-02	1.30E-02	4.19E-01
4688	487863.09	3860377.25	2.39E-01	1.77E-03	7.45E-02	1.21E-02	3.27E-01	3.16E-01	1.70E+02	7.45E-01	6.18E-02	1.71E+02	3.06E-01	2.14E-03	7.45E-02	1.21E-02	3.95E-01
4689	488363.09	3860377.25	2.82E-01	1.88E-03	4.38E-02	2.23E-02	3.50E-01	3.73E-01	1.80E+02	4.38E-01	1.14E-01	1.81E+02	3.62E-01	2.27E-03	4.38E-02	2.23E-02	4.30E-01
4690	488863.09	3860377.25	2.53E-01	2.07E-03	2.52E-02	4.28E-02	3.23E-01	3.34E-01	1.99E+02	2.52E-01	2.19E-01	1.99E+02	3.24E-01	2.51E-03	2.52E-02	4.28E-02	3.95E-01
4691	489363.09	3860377.25	3.07E-01	1.28E-03	4.68E-02	2.60E-02	3.81E-01	4.05E-01	1.23E+02	4.68E-01	1.33E-01	1.24E+02	3.94E-01	1.55E-03	4.68E-02	2.60E-02	4.68E-01
4692	489863.09	3860377.25	2.98E-01	7.76E-04	5.85E-02	1.41E-02	3.71E-01	3.94E-01	7.44E+01	5.85E-01	7.18E-02	7.55E+01	3.82E-01	9.40E-04	5.85E-02	1.41E-02	4.56E-01
4693	490363.09	3860377.25	3.43E-01	6.28E-04	4.41E-02	1.59E-02	4.04E-01	4.53E-01	6.02E+01	4.41E-01	8.11E-02	6.12E+01	4.40E-01	7.61E-04	4.41E-02	1.59E-02	5.01E-01

4694	490863.09	3860377.25	2.37E-01	4.91E-04	4.48E-02	1.22E-02	2.94E-01	3.12E-01	4.71E+01	4.48E-01	6.22E-02	4.79E+01	3.03E-01	5.95E-04	4.48E-02	1.22E-02	3.61E-01
4695	491363.09	3860377.25	2.27E-01	4.06E-04	4.18E-02	8.88E-03	2.78E-01	2.99E-01	3.89E+01	4.18E-01	4.53E-02	3.97E+01	2.91E-01	4.91E-04	4.18E-02	8.88E-03	3.42E-01
4696	491863.09	3860377.25	1.73E-01	3.50E-04	4.71E-02	8.25E-03	2.28E-01	2.28E-01	3.36E+01	4.71E-01	4.21E-02	3.43E+01	2.21E-01	4.24E-04	4.71E-02	8.25E-03	2.77E-01
4697	492363.09	3860377.25	1.54E-01	3.16E-04	4.79E-02	7.90E-03	2.10E-01	2.03E-01	3.03E+01	4.79E-01	4.04E-02	3.10E+01	1.97E-01	3.83E-04	4.79E-02	7.90E-03	2.53E-01
4698	492863.09	3860377.25	2.25E-01	2.78E-04	4.52E-02	8.01E-03	2.78E-01	2.97E-01	2.67E+01	4.52E-01	4.09E-02	2.75E+01	2.88E-01	3.37E-04	4.52E-02	8.01E-03	3.42E-01
4699	493363.09	3860377.25	2.58E-01	2.52E-04	4.18E-02	7.95E-03	3.08E-01	3.41E-01	2.42E+01	4.18E-01	4.06E-02	2.50E+01	3.31E-01	3.06E-04	4.18E-02	7.95E-03	3.81E-01
4700	493863.09	3860377.25	2.26E-01	2.41E-04	5.12E-02	7.96E-03	2.86E-01	2.99E-01	2.31E+01	5.12E-01	4.07E-02	2.40E+01	2.90E-01	2.92E-04	5.12E-02	7.96E-03	3.50E-01
4701	494363.09	3860377.25	1.98E-01	2.17E-04	4.36E-02	7.88E-03	2.49E-01	2.61E-01	2.08E+01	4.36E-01	4.02E-02	2.16E+01	2.53E-01	2.63E-04	4.36E-02	7.88E-03	3.05E-01
4702	494863.09	3860377.25	1.86E-01	2.10E-04	4.17E-02	7.83E-03	2.36E-01	2.46E-01	2.01E+01	4.17E-01	4.00E-02	2.08E+01	2.39E-01	2.54E-04	4.17E-02	7.83E-03	2.88E-01
4703	495363.09	3860377.25	1.72E-01	1.94E-04	3.77E-02	7.72E-03	2.18E-01	2.28E-01	1.86E+01	3.77E-01	3.94E-02	1.92E+01	2.21E-01	2.35E-04	3.77E-02	7.72E-03	2.67E-01
4704	495863.09	3860377.25	1.69E-01	1.54E-04	4.53E-02	8.33E-03	2.23E-01	2.23E-01	1.47E+01	4.53E-01	4.25E-02	1.55E+01	2.17E-01	1.86E-04	4.53E-02	8.33E-03	2.71E-01
4705	496363.09	3860377.25	1.73E-01	1.11E-04	6.75E-02	1.59E-02	2.56E-01	2.28E-01	1.07E+01	6.75E-01	8.11E-02	1.17E+01	2.21E-01	1.35E-04	6.75E-02	1.59E-02	3.05E-01
4706	496863.09	3860377.25	1.42E-01	8.26E-05	1.04E-01	1.57E-02	2.62E-01	1.88E-01	7.92E+00	1.04E+00	8.01E-02	9.23E+00	1.82E-01	1.00E-04	1.04E-01	1.57E-02	3.02E-01
4707	497363.09	3860377.25	1.08E-01	5.48E-05	1.07E-01	1.30E-02	2.28E-01	1.42E-01	5.25E+00	1.07E+00	6.66E-02	6.53E+00	1.38E-01	6.64E-05	1.07E-01	1.30E-02	2.58E-01
4708	497863.09	3860377.25	1.16E-01	9.21E-05	6.29E-02	1.47E-02	1.93E-01	1.53E-01	8.83E+00	6.29E-01	7.50E-02	9.69E+00	1.48E-01	1.12E-04	6.29E-02	1.47E-02	2.26E-01
4709	498363.09	3860377.25	9.85E-02	1.22E-04	4.44E-02	7.10E-03	1.50E-01	1.30E-01	1.17E+01	4.44E-01	3.63E-02	1.23E+01	1.26E-01	1.48E-04	4.44E-02	7.10E-03	1.78E-01
4710	471363.09	3860877.25	7.27E-02	4.77E-05	2.46E-02	5.68E-03	1.03E-01	9.60E-02	4.57E+00	2.46E-01	2.90E-02	4.94E+00	9.32E-02	5.77E-05	2.46E-02	5.68E-03	1.24E-01
4711	471863.09	3860877.25	7.18E-02	4.91E-05	2.31E-02	5.71E-03	1.01E-01	9.48E-02	4.71E+00	2.31E-01	2.91E-02	5.07E+00	9.20E-02	5.95E-05	2.31E-02	5.71E-03	1.21E-01
4712	472363.09	3860877.25	6.96E-02	5.12E-05	2.20E-02	5.75E-03	9.74E-02	9.19E-02	4.91E+00	2.20E-01	2.94E-02	5.25E+00	8.92E-02	6.20E-05	2.20E-02	5.75E-03	1.17E-01
4713	472863.09	3860877.25	7.53E-02	5.78E-05	2.30E-02	5.62E-03	1.04E-01	9.95E-02	5.54E+00	2.30E-01	2.87E-02	5.90E+00	9.65E-02	7.00E-05	2.30E-02	5.62E-03	1.25E-01
4714	473363.09	3860877.25	8.61E-02	6.39E-05	2.61E-02	5.72E-03	1.18E-01	1.14E-01	6.13E+00	2.61E-01	2.92E-02	6.53E+00	1.10E-01	7.74E-05	2.61E-02	5.72E-03	1.42E-01
4715	473863.09	3860877.25	9.31E-02	6.96E-05	2.99E-02	5.92E-03	1.29E-01	1.23E-01	6.67E+00	2.99E-01	3.02E-02	7.12E+00	1.19E-01	8.43E-05	2.99E-02	5.92E-03	1.55E-01
4716	474363.09	3860877.25	9.65E-02	7.20E-05	3.55E-02	6.29E-03	1.38E-01	1.27E-01	6.90E+00	3.55E-01	3.22E-02	7.42E+00	1.24E-01	8.72E-05	3.55E-02	6.29E-03	1.66E-01
4717	474863.09	3860877.25	9.83E-02	7.31E-05	4.41E-02	1.14E-02	1.54E-01	1.30E-01	7.01E+00	4.41E-01	5.82E-02	7.64E+00	1.26E-01	8.86E-05	4.41E-02	1.14E-02	1.82E-01
4718	475363.09	3860877.25	9.78E-02	6.12E-05	6.14E-02	1.65E-02	1.76E-01	1.29E-01	5.87E+00	6.14E-01	8.40E-02	6.69E+00	1.25E-01	7.41E-05	6.14E-02	1.65E-02	2.03E-01
4719	475863.09	3860877.25	9.30E-02	4.33E-05	8.03E-02	1.91E-02	1.92E-01	1.23E-01	4.15E+00	8.03E-01	9.73E-02	5.17E+00	1.19E-01	5.24E-05	8.03E-02	1.91E-02	2.19E-01
4720	476363.09	3860877.25	8.08E-02	3.47E-05	7.72E-02	1.46E-02	1.73E-01	1.07E-01	3.33E+00	7.72E-01	7.46E-02	4.28E+00	1.04E-01	4.21E-05	7.72E-02	1.46E-02	1.95E-01
4721	476863.09	3860877.25	7.26E-02	3.12E-05	6.75E-02	1.25E-02	1.53E-01	9.60E-02	2.99E+00	6.75E-01	6.39E-02	3.83E+00	9.31E-02	3.78E-05	6.75E-02	1.25E-02	1.73E-01
4722	477363.09	3860877.25	6.76E-02	3.35E-05	7.53E-02	1.35E-02	1.56E-01	8.93E-02	3.22E+00	7.53E-01	6.88E-02	4.13E+00	8.67E-02	4.06E-05	7.53E-02	1.35E-02	1.75E-01
4723	477863.09	3860877.25	5.14E-02	3.13E-05	5.82E-02	7.50E-03	1.17E-01	6.78E-02	3.00E+00	5.82E-01	3.83E-02	3.69E+00	6.58E-02	3.79E-05	5.82E-02	7.50E-03	1.32E-01
4724	478363.09	3860877.25	3.13E-02	2.68E-05	2.40E-02	6.24E-03	6.15E-02	4.13E-02	2.57E+00	2.40E-01	3.19E-02	2.88E+00	4.01E-02	3.24E-05	2.40E-02	6.24E-03	7.03E-02
4725	478863.09	3860877.25	8.33E-02	3.83E-05	4.43E-02	2.26E-02	1.50E-01	1.10E-01	3.67E+00	4.43E-01	1.15E-01	4.34E+00	1.07E-01	4.64E-05	4.43E-02	2.26E-02	1.74E-01
4726	479363.09	3860877.25	1.07E-01	6.77E-05	5.37E-02	2.54E-02	1.87E-01	1.42E-01	6.49E+00	5.37E-01	1.30E-01	7.30E+00	1.38E-01	8.20E-05	5.37E-02	2.54E-02	2.17E-01
4727	479863.09	3860877.25	1.23E-01	9.77E-05	4.65E-02	8.35E-03	1.78E-01	1.63E-01	9.37E+00	4.65E-01	4.26E-02	1.00E+01	1.58E-01	1.18E-04	4.65E-02	8.35E-03	2.13E-01
4728	480363.09	3860877.25	1.28E-01	1.18E-04	3.60E-02	6.94E-03	1.71E-01	1.69E-01	1.13E+01	3.60E-01	3.54E-02	1.19E+01	1.64E-01	1.43E-04	3.60E-02	6.94E-03	2.07E-01
4729	480863.09	3860877.25	1.31E-01	1.29E-04	3.36E-02	6.97E-03	1.72E-01	1.73E-01	1.23E+01	3.36E-01	3.56E-02	1.29E+01	1.68E-01	1.56E-04	3.36E-02	6.97E-03	2.09E-01
4730	481363.09	3860877.25	1.39E-01	1.32E-04	3.65E-02	7.13E-03	1.83E-01	1.84E-01	1.27E+01	3.65E-01	3.64E-02	1.33E+01	1.79E-01	1.60E-04	3.65E-02	7.13E-03	2.23E-01
4731	481863.09	3860877.25	1.63E-01	1.46E-04	3.66E-02	7.17E-03	2.07E-01	2.16E-01	1.40E+01	3.66E-01	3.66E-02	1.46E+01	2.10E-01	1.76E-04	3.66E-02	7.17E-03	2.54E-01
4732	482363.09	3860877.25	1.89E-01	1.67E-04	3.69E-02	7.23E-03	2.33E-01	2.49E-01	1.61E+01	3.69E-01	3.69E-02	1.67E+01	2.42E-01	2.03E-04	3.69E-02	7.23E-03	2.86E-01
4733	482863.09	3860877.25	1.85E-01	1.70E-04	3.28E-02	7.21E-03	2.25E-01	2.45E-01	1.63E+01	3.28E-01	3.68E-02	1.69E+01	2.37E-01	2.06E-04	3.28E-02	7.21E-03	2.78E-01
4734	483363.09	3860877.25	1.78E-01	1.71E-04	3.44E-02	7.91E-03	2.21E-01	2.35E-01	1.64E+01	3.44E-01	4.04E-02	1.70E+01	2.28E-01	2.07E-04	3.44E-02	7.91E-03	2.71E-01
4735	483863.09	3860877.25	1.89E-01	1.84E-04	4.40E-02	7.89E-03	2.41E-01	2.50E-01	1.77E+01	4.40E-01	4.03E-02	1.84E+01	2.42E-01	2.23E-04	4.40E-02	7.89E-03	2.94E-01
4736	484363.09	3860877.25	1.84E-01	2.31E-04	3.74E-02	7.49E-03	2.30E-01	2.44E-01	2.21E+01	3.74E-01	3.83E-02	2.28E+01	2.36E-01	2.79E-04	3.74E-02	7.49E-03	2.82E-01
4737	484863.09	3860877.25	1.54E-01	2.56E-04	4.38E-02	7.28E-03	2.06E-01	2.04E-01	2.45E+01	4.38E-01	3.72E-02	2.52E+01	1.98E-01	3.10E-04	4.38E-02	7.28E-03	2.49E-01
4738	485363.09	3860877.25	1.33E-01	3.06E-04	4.04E-02	7.33E-03	1.81E-01	1.76E-01	2.94E+01	4.04E-01	3.74E-02	3.00E+01	1.70E-01	3.71E-04	4.04E-02	7.33E-03	2.18E-01
4739	485863.09	3860877.25	1.44E-01	3.48E-04	4.25E-02	8.36E-03	1.95E-01	1.90E-01	3.34E+01	4.25E-01	4.27E-02	3.40E+01	1.85E-01	4.22E-04	4.25E-02	8.36E-03	2.36E-01
4740	486363.09	3860877.25	1.66E-01	4.22E-04	5.40E-02	8.55E-03	2.29E-01	2.19E-01	4.05E+01	5.40E-01	4.37E-02	4.13E+01	2.12E-01	5.11E-04	5.40E-02	8.55E-03	2.75E-01
4741	486863.09	3860877.25	2.06E-01	4.81E-04	2.08E-02	1.19E-02	2.39E-01	2.72E-01	4.61E+01	2.08E-01	6.10E-02	4.67E+01	2.64E-01	5.83E-04	2.08E-02	1.19E-02	2.97E-01
4742	487363.09	3860877.25	2.51E-01	7.45E-04	4.94E-02	1.79E-02	3.19E-01	3.31E-01	7.15E+01	4.94E-01	9.14E-02	7.24E+01	3.22E-01	9.03E-04	4.94E-02	1.79E-02	3.90E-01
4743	487863.09	3860877.25	1.93E-01	7.77E-04	6.97E-02	1.27E-02	2.76E-01	2.55E-01	7.45E+01	6.97E-01	6.48E-02	7.55E+01	2.48E-01	9.41E-04	6.97E-02	1.27E-02	3.31E-01
4744	488363.09	3860877.25	2.13E-01	9.15E-04	4.08E-02	1.33E-02	2.68E-01	2.81E-01	8.77E+01	4.08E-01	6.79E-02	8.85E+01	2.73E-01	1.11E-03	4.08E-02	1.33E-02	3.28E-01
4745	488863.09	3860877.25	2.67E-01	1.03E-03	3.44E-02	1.67E-02	3.19E-01	3.52E-01	9.83E+01	3.44E-01	8.51E-02	9.91E+01	3.42E-01	1.24E-03	3.44E-02	1.67E-02	3.94E-01
4746	489363.09	3860877.25	1.92E-01	1.15E-03	3.97E-02	2.38E-02	2.57E-01	2.54E-01	1.10E+02	3.97E-01	1.22E-01	1.11E+02	2.46E-01	1.39E-03	3.97E-02	2.38E-02	3.11E-01
4747	489863.09	3860877.25	2.68E-01	7.33E-04	4.56E-02	1.63E-02	3.30E-01	3.54E-01	7.03E+01	4.56E-01	8.34E-02	7.12E+01	3.43E-01	8.88E-04	4.56E-02	1.63E-02	4.06E-01
4748	490363.09	3860877.25	2.54E-01	4.73E-04	4.48E-02	1.38E-02	3.13E-01	3.35E-01	4.54E+01	4.48E-01	7.06E-02	4.63E+01	3.25E-01	5.73E-04	4.48E-02	1.38E-02	3.84E-01
4749	490863.09	3860877.25	2.95E-01	4.05E-04	4.20E-02	1.32E-02	3.51E-01	3.90E-01	3.88E+01	4.20E-01	6.73E-02	3.97E+01	3.79E-01	4.90E-04	4.20E-02	1.32E-02	4.34E-01
4750	491363.09	3860877.25	2.15E-01	3.72E-04	3.91E-02	1.15E-02	2.66E-01	2.85E-01	3.56E+01	3.91E-01	5.87E-02	3.64E+01	2.76E-01	4.50E-04	3.91E-02	1.15E-02	3.27E-01
4751	491863.09	3860877.25	1.92E-01	3.20E-04	3.76E-02	9.66E-03	2.40E-01	2.54E-01	3.07E+01	3.76E-01	4.94E-02	3.14E+01	2.46E-01	3.88E-04	3.76E-02	9.66E-03	2.94E-01
4752	492363.09	3860877.25	1.66E-01	2.79E-04	3.56E-02	8.07E-03	2.10E-01	2.19E-01	2.67E+01	3.56E-01	4.12E-02	2.73E+01	2.13E-01	3.38E-04	3.56E-02	8.07E-03	2.57E-01
4753	492863.09	3860877.25	1.25E-01	2.41E-04	4.17E-02	7.53E-03	1.74E-01	1.65E-01	2.31E+01	4.17E-01	3.85E-02	2.37E+01	1.60E-01	2.92E-04	4.17E-02	7.53E-03	2.09E-01
4754	493363.09	3860877.25	1.44E-01	2.19E-04	3.96E-02	7.56E-03	1.91E-01	1.90E-01	2.10E+01	3.96E-01	3.86E-02	2.16E+01	1.85E-01	2.65E-04	3.96E-02	7.56E-03	2.32E-01

4755	493863.09	3860877.25	1.98E-01	2.00E-04	3.90E-02	7.22E-03	2.45E-01	2.62E-01	1.91E+01	3.90E-01	3.69E-02	1.98E+01	2.54E-01	2.42E-04	3.90E-02	7.22E-03	3.01E-01
4756	494363.09	3860877.25	2.11E-01	1.84E-04	3.55E-02	6.85E-03	2.54E-01	2.79E-01	1.77E+01	3.55E-01	3.50E-02	1.83E+01	2.71E-01	2.23E-04	3.55E-02	6.85E-03	3.13E-01
4757	494863.09	3860877.25	1.87E-01	1.84E-04	3.99E-02	6.54E-03	2.34E-01	2.47E-01	1.77E+01	3.99E-01	3.34E-02	1.84E+01	2.40E-01	2.23E-04	3.99E-02	6.54E-03	2.87E-01
4758	495363.09	3860877.25	1.66E-01	1.80E-04	4.23E-02	6.18E-03	2.14E-01	2.19E-01	1.72E+01	4.23E-01	3.15E-02	1.79E+01	2.12E-01	2.18E-04	4.23E-02	6.18E-03	2.61E-01
4759	495863.09	3860877.25	1.61E-01	1.74E-04	3.51E-02	6.08E-03	2.02E-01	2.12E-01	1.67E+01	3.51E-01	3.10E-02	1.73E+01	2.06E-01	2.11E-04	3.51E-02	6.08E-03	2.47E-01
4760	496363.09	3860877.25	1.49E-01	1.63E-04	3.67E-02	5.92E-03	1.91E-01	1.96E-01	1.56E+01	3.67E-01	3.02E-02	1.62E+01	1.91E-01	1.97E-04	3.67E-02	5.92E-03	2.33E-01
4761	496863.09	3860877.25	1.44E-01	1.27E-04	3.27E-02	7.19E-03	1.84E-01	1.90E-01	1.22E+01	3.27E-01	3.67E-02	1.28E+01	1.85E-01	1.54E-04	3.27E-02	7.19E-03	2.25E-01
4762	497363.09	3860877.25	1.51E-01	1.17E-04	4.06E-02	7.46E-03	1.99E-01	1.99E-01	1.12E+01	4.06E-01	3.81E-02	1.19E+01	1.94E-01	1.42E-04	4.06E-02	7.46E-03	2.42E-01
4763	497863.09	3860877.25	1.43E-01	1.11E-04	5.02E-02	1.02E-02	2.03E-01	1.89E-01	1.06E+01	5.02E-01	5.19E-02	1.14E+01	1.83E-01	1.34E-04	5.02E-02	1.02E-02	2.43E-01
4764	498363.09	3860877.25	1.08E-01	1.32E-04	4.04E-02	6.54E-03	1.55E-01	1.42E-01	1.27E+01	4.04E-01	3.34E-02	1.33E+01	1.38E-01	1.60E-04	4.04E-02	6.54E-03	1.85E-01
4765	471363.09	3861377.25	6.05E-02	5.00E-05	2.65E-02	5.46E-03	9.26E-02	8.00E-02	4.80E+00	2.65E-01	2.79E-02	5.17E+00	7.76E-02	6.06E-05	2.65E-02	5.46E-03	1.10E-01
4766	471863.09	3861377.25	7.18E-02	5.02E-05	2.73E-02	5.38E-03	1.05E-01	9.49E-02	4.82E+00	2.73E-01	2.75E-02	5.21E+00	9.21E-02	6.08E-05	2.73E-02	5.38E-03	1.25E-01
4767	472363.09	3861377.25	8.11E-02	5.55E-05	2.72E-02	5.27E-03	1.14E-01	1.07E-01	5.32E+00	2.72E-01	2.69E-02	5.73E+00	1.04E-01	6.72E-05	2.72E-02	5.27E-03	1.37E-01
4768	472863.09	3861377.25	8.66E-02	6.31E-05	2.47E-02	5.00E-03	1.16E-01	1.14E-01	6.05E+00	2.47E-01	2.55E-02	6.44E+00	1.11E-01	7.64E-05	2.47E-02	5.00E-03	1.41E-01
4769	473363.09	3861377.25	9.07E-02	6.82E-05	2.33E-02	4.91E-03	1.19E-01	1.20E-01	6.54E+00	2.33E-01	2.51E-02	6.92E+00	1.16E-01	8.26E-05	2.33E-02	4.91E-03	1.45E-01
4770	473863.09	3861377.25	9.31E-02	6.88E-05	2.48E-02	5.16E-03	1.23E-01	1.23E-01	6.60E+00	2.48E-01	2.64E-02	7.00E+00	1.19E-01	8.34E-05	2.48E-02	5.16E-03	1.49E-01
4771	474363.09	3861377.25	9.44E-02	7.00E-05	2.96E-02	5.01E-03	1.29E-01	1.25E-01	6.71E+00	2.96E-01	2.56E-02	7.16E+00	1.21E-01	8.48E-05	2.96E-02	5.01E-03	1.56E-01
4772	474863.09	3861377.25	9.54E-02	6.37E-05	3.60E-02	6.31E-03	1.38E-01	1.26E-01	6.11E+00	3.60E-01	3.22E-02	6.62E+00	1.22E-01	7.71E-05	3.60E-02	6.31E-03	1.65E-01
4773	475363.09	3861377.25	9.48E-02	6.54E-05	3.79E-02	5.93E-03	1.39E-01	1.25E-01	6.27E+00	3.79E-01	3.03E-02	6.81E+00	1.22E-01	7.92E-05	3.79E-02	5.93E-03	1.65E-01
4774	475863.09	3861377.25	9.21E-02	6.54E-05	4.48E-02	1.46E-02	1.52E-01	1.22E-01	6.27E+00	4.48E-01	7.45E-02	6.91E+00	1.18E-01	7.92E-05	4.48E-02	1.46E-02	1.77E-01
4775	476363.09	3861377.25	8.38E-02	6.14E-05	4.87E-02	2.10E-02	1.54E-01	1.11E-01	5.89E+00	4.87E-01	1.07E-01	6.60E+00	1.07E-01	7.44E-05	4.87E-02	2.10E-02	1.77E-01
4776	476863.09	3861377.25	7.29E-02	5.88E-05	4.40E-02	2.44E-02	1.41E-01	9.63E-02	5.64E+00	4.40E-01	1.25E-01	6.30E+00	9.34E-02	7.12E-05	4.40E-02	2.44E-02	1.62E-01
4777	477363.09	3861377.25	7.20E-02	5.74E-05	3.27E-02	2.61E-02	1.31E-01	9.51E-02	5.50E+00	3.27E-01	1.33E-01	6.06E+00	9.23E-02	6.95E-05	3.27E-02	2.61E-02	1.51E-01
4778	477863.09	3861377.25	7.02E-02	4.15E-05	5.08E-02	1.83E-02	1.39E-01	9.27E-02	3.98E+00	5.08E-01	9.32E-02	4.67E+00	8.99E-02	5.03E-05	5.08E-02	1.83E-02	1.59E-01
4779	478363.09	3861377.25	4.09E-02	2.95E-05	4.22E-02	6.23E-03	8.94E-02	5.40E-02	2.83E+00	4.22E-01	3.18E-02	3.33E+00	5.25E-02	3.57E-05	4.22E-02	6.23E-03	1.01E-01
4780	478863.09	3861377.25	5.71E-02	3.08E-05	5.65E-02	1.20E-02	1.26E-01	7.55E-02	2.96E+00	5.65E-01	6.15E-02	3.66E+00	7.33E-02	3.73E-05	5.65E-02	1.20E-02	1.42E-01
4781	479363.09	3861377.25	9.98E-02	6.18E-05	1.65E-01	3.04E-02	2.96E-01	1.32E-01	5.92E+00	1.65E+00	1.55E-01	7.86E+00	1.28E-01	7.48E-05	1.65E-01	3.04E-02	3.24E-01
4782	479863.09	3861377.25	1.13E-01	8.65E-05	3.87E-02	9.95E-03	1.62E-01	1.49E-01	8.29E+00	3.87E-01	5.08E-02	8.88E+00	1.45E-01	1.05E-04	3.87E-02	9.95E-03	1.93E-01
4783	480363.09	3861377.25	1.19E-01	1.11E-04	3.26E-02	6.23E-03	1.58E-01	1.57E-01	1.07E+01	3.26E-01	3.18E-02	1.12E+01	1.52E-01	1.35E-04	3.26E-02	6.23E-03	1.91E-01
4784	480863.09	3861377.25	1.21E-01	1.22E-04	3.20E-02	6.34E-03	1.59E-01	1.59E-01	1.17E+01	3.20E-01	3.24E-02	1.22E+01	1.55E-01	1.47E-04	3.20E-02	6.34E-03	1.93E-01
4785	481363.09	3861377.25	1.30E-01	1.38E-04	3.93E-02	6.36E-03	1.76E-01	1.72E-01	1.32E+01	3.93E-01	3.25E-02	1.38E+01	1.67E-01	1.67E-04	3.93E-02	6.36E-03	2.12E-01
4786	481863.09	3861377.25	1.46E-01	1.47E-04	3.41E-02	6.29E-03	1.86E-01	1.92E-01	1.41E+01	3.41E-01	3.21E-02	1.47E+01	1.87E-01	1.78E-04	3.41E-02	6.29E-03	2.27E-01
4787	482363.09	3861377.25	1.60E-01	1.57E-04	3.18E-02	6.22E-03	1.99E-01	2.12E-01	1.51E+01	3.18E-01	3.18E-02	1.56E+01	2.06E-01	1.90E-04	3.18E-02	6.22E-03	2.44E-01
4788	482863.09	3861377.25	1.52E-01	1.64E-04	3.61E-02	6.23E-03	1.95E-01	2.01E-01	1.58E+01	3.61E-01	3.18E-02	1.63E+01	1.95E-01	1.99E-04	3.61E-02	6.23E-03	2.38E-01
4789	483363.09	3861377.25	1.71E-01	1.86E-04	3.87E-02	8.04E-03	2.18E-01	2.26E-01	1.79E+01	3.87E-01	4.11E-02	1.85E+01	2.20E-01	2.26E-04	3.87E-02	8.04E-03	2.66E-01
4790	483863.09	3861377.25	1.76E-01	2.02E-04	4.76E-02	7.70E-03	2.31E-01	2.32E-01	1.94E+01	4.76E-01	3.94E-02	2.01E+01	2.25E-01	2.45E-04	4.76E-02	7.70E-03	2.81E-01
4791	484363.09	3861377.25	1.61E-01	2.03E-04	4.18E-02	6.62E-03	2.09E-01	2.12E-01	1.95E+01	4.18E-01	3.38E-02	2.01E+01	2.06E-01	2.46E-04	4.18E-02	6.62E-03	2.55E-01
4792	484863.09	3861377.25	1.41E-01	2.43E-04	3.93E-02	7.08E-03	1.87E-01	1.86E-01	2.33E+01	3.93E-01	3.62E-02	2.39E+01	1.80E-01	2.94E-04	3.93E-02	7.08E-03	2.27E-01
4793	485363.09	3861377.25	1.24E-01	3.03E-04	3.82E-02	7.48E-03	1.70E-01	1.63E-01	2.91E+01	3.82E-01	3.82E-02	2.97E+01	1.59E-01	3.67E-04	3.82E-02	7.48E-03	2.05E-01
4794	485863.09	3861377.25	1.33E-01	3.58E-04	3.97E-02	1.13E-02	1.85E-01	1.76E-01	3.43E+01	3.97E-01	5.75E-02	3.50E+01	1.71E-01	4.34E-04	3.97E-02	1.13E-02	2.22E-01
4795	486363.09	3861377.25	1.50E-01	3.34E-04	4.50E-02	9.81E-03	2.05E-01	1.98E-01	3.20E+01	4.50E-01	5.01E-02	3.27E+01	1.92E-01	4.04E-04	4.50E-02	9.81E-03	2.47E-01
4796	486863.09	3861377.25	1.77E-01	3.89E-04	2.56E-02	1.53E-02	2.19E-01	2.34E-01	3.74E+01	2.56E-01	7.82E-02	3.79E+01	2.27E-01	4.72E-04	2.56E-02	1.53E-02	2.69E-01
4797	487363.09	3861377.25	2.14E-01	5.27E-04	5.61E-02	8.91E-03	2.79E-01	2.82E-01	5.05E+01	5.61E-01	4.55E-02	5.14E+01	2.74E-01	6.38E-04	5.61E-02	8.91E-03	3.40E-01
4798	487863.09	3861377.25	1.72E-01	4.22E-04	6.46E-02	7.20E-03	2.44E-01	2.27E-01	4.04E+01	6.46E-01	3.68E-02	4.14E+01	2.20E-01	5.11E-04	6.46E-02	7.20E-03	2.92E-01
4799	488363.09	3861377.25	1.71E-01	5.30E-04	3.81E-02	6.63E-03	2.16E-01	2.26E-01	5.08E+01	3.81E-01	3.39E-02	5.15E+01	2.19E-01	6.42E-04	3.81E-02	6.63E-03	2.65E-01
4800	488863.09	3861377.25	2.10E-01	5.29E-04	3.96E-02	2.11E-02	2.72E-01	2.78E-01	5.07E+01	3.96E-01	1.08E-01	5.15E+01	2.70E-01	6.41E-04	3.96E-02	2.11E-02	3.31E-01
4801	489363.09	3861377.25	2.19E-01	6.53E-04	2.78E-02	1.72E-02	2.65E-01	2.90E-01	6.26E+01	2.78E-01	8.78E-02	6.32E+01	2.81E-01	7.91E-04	2.78E-02	1.72E-02	3.27E-01
4802	489863.09	3861377.25	1.67E-01	7.02E-04	4.15E-02	1.26E-02	2.21E-01	2.20E-01	6.73E+01	4.15E-01	6.44E-02	6.80E+01	2.14E-01	8.50E-04	4.15E-02	1.26E-02	2.69E-01
4803	490363.09	3861377.25	2.31E-01	5.35E-04	5.29E-02	1.43E-02	2.99E-01	3.05E-01	5.13E+01	5.29E-01	7.30E-02	5.22E+01	2.96E-01	6.48E-04	5.29E-02	1.43E-02	3.64E-01
4804	490863.09	3861377.25	2.21E-01	3.93E-04	4.32E-02	1.29E-02	2.77E-01	2.92E-01	3.77E+01	4.32E-01	6.57E-02	3.85E+01	2.83E-01	4.76E-04	4.32E-02	1.29E-02	3.40E-01
4805	491363.09	3861377.25	2.58E-01	3.58E-04	3.88E-02	1.28E-02	3.10E-01	3.41E-01	3.43E+01	3.88E-01	6.55E-02	3.51E+01	3.31E-01	4.33E-04	3.88E-02	1.28E-02	3.83E-01
4806	491863.09	3861377.25	1.92E-01	3.32E-04	3.74E-02	1.20E-02	2.42E-01	2.54E-01	3.19E+01	3.74E-01	6.11E-02	3.26E+01	2.47E-01	4.02E-04	3.74E-02	1.20E-02	2.97E-01
4807	492363.09	3861377.25	1.59E-01	3.01E-04	3.31E-02	1.04E-02	2.03E-01	2.11E-01	2.89E+01	3.31E-01	5.34E-02	2.95E+01	2.04E-01	3.65E-04	3.31E-02	1.04E-02	2.48E-01
4808	492863.09	3861377.25	1.55E-01	2.59E-04	3.53E-02	8.74E-03	1.99E-01	2.05E-01	2.48E+01	3.53E-01	4.46E-02	2.54E+01	1.99E-01	3.14E-04	3.53E-02	8.74E-03	2.43E-01
4809	493363.09	3861377.25	1.16E-01	2.34E-04	3.42E-02	7.93E-03	1.58E-01	1.53E-01	2.24E+01	3.42E-01	4.05E-02	2.30E+01	1.49E-01	2.83E-04	3.42E-02	7.93E-03	1.91E-01
4810	493863.09	3861377.25	1.06E-01	1.96E-04	3.69E-02	7.37E-03	1.51E-01	1.40E-01	1.88E+01	3.69E-01	3.77E-02	1.94E+01	1.36E-01	2.38E-04	3.69E-02	7.37E-03	1.80E-01
4811	494363.09	3861377.25	1.37E-01	1.75E-04	3.29E-02	7.51E-03	1.77E-01	1.81E-01	1.68E+01	3.29E-01	3.83E-02	1.73E+01	1.75E-01	2.12E-04	3.29E-02	7.51E-03	2.16E-01
4812	494863.09	3861377.25	1.73E-01	1.61E-04	3.39E-02	7.43E-03	2.14E-01	2.28E-01	1.54E+01	3.39E-01	3.80E-02	1.60E+01	2.21E-01	1.95E-04	3.39E-02	7.43E-03	2.63E-01
4813	495363.09	3861377.25	1.76E-01	1.50E-04	3.14E-02	7.20E-03	2.15E-01	2.33E-01	1.44E+01	3.14E-01	3.68E-02	1.50E+01	2.26E-01	1.82E-04	3.14E-02	7.20E-03	2.65E-01
4814	495863.09	3861377.25	1.53E-01	1.43E-04	3.15E-02	6.86E-03	1.92E-01	2.03E-01	1.37E+01	3.15E-01	3.50E-02	1.43E+01	1.97E-01	1.73E-04	3.15E-02	6.86E-03	2.35E-01
4815	496363.09	3861377.25	1.39E-01	1.44E-04	3.53E-02	6.68E-03	1.81E-01	1.84E-01	1.38E+01	3.53E-01	3.41E-02	1.44E+01	1.78E-01	1.75E-04	3.53E-02	6.68E-03	2.21E-01

4816	496863.09	3861377.25	1.42E-01	1.47E-04	3.67E-02	6.56E-03	1.85E-01	1.88E-01	1.41E+01	3.67E-01	3.35E-02	1.47E+01	1.82E-01	1.78E-04	3.67E-02	6.56E-03	2.26E-01
4817	497363.09	3861377.25	1.28E-01	1.51E-04	3.16E-02	6.25E-03	1.66E-01	1.69E-01	1.45E+01	3.16E-01	3.19E-02	1.50E+01	1.64E-01	1.83E-04	3.16E-02	6.25E-03	2.02E-01
4818	497863.09	3861377.25	1.20E-01	1.49E-04	3.23E-02	6.05E-03	1.58E-01	1.58E-01	1.43E+01	3.23E-01	3.09E-02	1.48E+01	1.53E-01	1.80E-04	3.23E-02	6.05E-03	1.92E-01
4819	498363.09	3861377.25	1.25E-01	1.42E-04	2.98E-02	5.94E-03	1.61E-01	1.66E-01	1.36E+01	2.98E-01	3.03E-02	1.41E+01	1.61E-01	1.72E-04	2.98E-02	5.94E-03	1.97E-01
4820	471363.09	3861877.25	7.58E-02	5.67E-05	2.11E-02	4.44E-03	1.01E-01	1.00E-01	5.43E+00	2.11E-01	2.27E-02	5.77E+00	9.72E-02	6.86E-05	2.11E-02	4.44E-03	1.23E-01
4821	471863.09	3861877.25	8.18E-02	6.20E-05	2.34E-02	4.38E-03	1.10E-01	1.08E-01	5.95E+00	2.34E-01	2.24E-02	6.31E+00	1.05E-01	7.51E-05	2.34E-02	4.38E-03	1.33E-01
4822	472363.09	3861877.25	8.56E-02	6.60E-05	2.77E-02	4.35E-03	1.18E-01	1.13E-01	6.33E+00	2.77E-01	2.22E-02	6.74E+00	1.10E-01	8.00E-05	2.77E-02	4.35E-03	1.42E-01
4823	472863.09	3861877.25	8.76E-02	6.78E-05	3.12E-02	4.65E-03	1.23E-01	1.16E-01	6.50E+00	3.12E-01	2.37E-02	6.96E+00	1.12E-01	8.22E-05	3.12E-02	4.65E-03	1.48E-01
4824	473363.09	3861877.25	8.83E-02	6.64E-05	3.34E-02	4.85E-03	1.27E-01	1.17E-01	6.37E+00	3.34E-01	2.48E-02	6.84E+00	1.13E-01	8.05E-05	3.34E-02	4.85E-03	1.52E-01
4825	473863.09	3861877.25	8.79E-02	6.31E-05	3.43E-02	4.53E-03	1.27E-01	1.16E-01	6.05E+00	3.43E-01	2.32E-02	6.53E+00	1.13E-01	7.65E-05	3.43E-02	4.53E-03	1.52E-01
4826	474363.09	3861877.25	8.56E-02	6.70E-05	3.25E-02	5.03E-03	1.23E-01	1.13E-01	6.42E+00	3.25E-01	2.57E-02	6.89E+00	1.10E-01	8.11E-05	3.25E-02	5.03E-03	1.47E-01
4827	474863.09	3861877.25	8.07E-02	6.97E-05	2.88E-02	5.47E-03	1.15E-01	1.07E-01	6.69E+00	2.88E-01	2.79E-02	7.11E+00	1.03E-01	8.45E-05	2.88E-02	5.47E-03	1.38E-01
4828	475363.09	3861877.25	7.27E-02	7.42E-05	2.30E-02	5.76E-03	1.02E-01	9.61E-02	7.12E+00	2.30E-01	2.94E-02	7.48E+00	9.32E-02	8.99E-05	2.30E-02	5.76E-03	1.22E-01
4829	475863.09	3861877.25	6.82E-02	7.85E-05	1.95E-02	5.78E-03	9.35E-02	9.01E-02	7.53E+00	1.95E-01	2.96E-02	7.84E+00	8.75E-02	9.51E-05	1.95E-02	5.78E-03	1.13E-01
4830	476363.09	3861877.25	6.63E-02	7.83E-05	2.57E-02	5.44E-03	9.75E-02	8.76E-02	7.51E+00	2.57E-01	2.78E-02	7.88E+00	8.50E-02	9.49E-05	2.57E-02	5.44E-03	1.16E-01
4831	476863.09	3861877.25	7.26E-02	7.35E-05	3.75E-02	8.10E-03	1.18E-01	9.59E-02	7.05E+00	3.75E-01	4.14E-02	7.57E+00	9.31E-02	8.91E-05	3.75E-02	8.10E-03	1.39E-01
4832	477363.09	3861877.25	8.02E-02	6.68E-05	5.02E-02	1.14E-02	1.42E-01	1.06E-01	6.41E+00	5.02E-01	5.84E-02	7.07E+00	1.03E-01	8.09E-05	5.02E-02	1.14E-02	1.65E-01
4833	477863.09	3861877.25	7.01E-02	4.01E-05	1.60E-01	2.29E-02	2.53E-01	9.26E-02	3.84E+00	1.60E+00	1.17E-01	5.65E+00	8.99E-02	4.86E-05	1.60E-01	2.29E-02	2.73E-01
4834	478363.09	3861877.25	3.84E-02	2.83E-05	2.92E-02	5.27E-03	7.29E-02	5.07E-02	2.71E+00	2.92E-01	2.69E-02	3.08E+00	4.92E-02	3.43E-05	2.92E-02	5.27E-03	8.37E-02
4835	478863.09	3861877.25	6.72E-02	3.16E-05	6.93E-02	9.56E-03	1.46E-01	8.87E-02	3.03E+00	6.93E-01	4.89E-02	3.86E+00	8.61E-02	3.83E-05	6.93E-02	9.56E-03	1.65E-01
4836	479363.09	3861877.25	6.32E-02	2.76E-05	4.71E-02	6.10E-03	1.16E-01	8.34E-02	2.65E+00	4.71E-01	3.11E-02	3.23E+00	8.10E-02	3.35E-05	4.71E-02	6.10E-03	1.34E-01
4837	479863.09	3861877.25	1.11E-01	8.01E-05	3.58E-02	1.20E-02	1.59E-01	1.47E-01	7.69E+00	3.58E-01	6.11E-02	8.25E+00	1.43E-01	9.71E-05	3.58E-02	1.20E-02	1.91E-01
4838	480363.09	3861877.25	1.12E-01	1.08E-04	4.00E-02	5.40E-03	1.58E-01	1.48E-01	1.03E+01	4.00E-01	2.76E-02	1.09E+01	1.44E-01	1.30E-04	4.00E-02	5.40E-03	1.89E-01
4839	480863.09	3861877.25	1.09E-01	1.22E-04	3.68E-02	5.50E-03	1.51E-01	1.44E-01	1.17E+01	3.68E-01	2.81E-02	1.22E+01	1.39E-01	1.48E-04	3.68E-02	5.50E-03	1.82E-01
4840	481363.09	3861877.25	1.16E-01	1.28E-04	2.90E-02	5.24E-03	1.50E-01	1.53E-01	1.23E+01	2.90E-01	2.68E-02	1.28E+01	1.49E-01	1.55E-04	2.90E-02	5.24E-03	1.83E-01
4841	481863.09	3861877.25	1.30E-01	1.35E-04	2.85E-02	5.06E-03	1.64E-01	1.72E-01	1.30E+01	2.85E-01	2.58E-02	1.35E+01	1.67E-01	1.64E-04	2.85E-02	5.06E-03	2.01E-01
4842	482363.09	3861877.25	1.34E-01	1.43E-04	3.50E-02	5.39E-03	1.75E-01	1.77E-01	1.37E+01	3.50E-01	2.75E-02	1.43E+01	1.72E-01	1.73E-04	3.50E-02	5.39E-03	2.13E-01
4843	482863.09	3861877.25	1.47E-01	1.58E-04	3.60E-02	6.48E-03	1.90E-01	1.95E-01	1.51E+01	3.60E-01	3.31E-02	1.57E+01	1.89E-01	1.91E-04	3.60E-02	6.48E-03	2.32E-01
4844	483363.09	3861877.25	1.64E-01	1.75E-04	5.07E-02	7.97E-03	2.23E-01	2.16E-01	1.68E+01	5.07E-01	4.07E-02	1.76E+01	2.10E-01	2.12E-04	5.07E-02	7.97E-03	2.69E-01
4845	483863.09	3861877.25	1.57E-01	1.80E-04	3.77E-02	7.33E-03	2.02E-01	2.07E-01	1.73E+01	3.77E-01	3.74E-02	1.79E+01	2.01E-01	2.19E-04	3.77E-02	7.33E-03	2.47E-01
4846	484363.09	3861877.25	1.38E-01	2.16E-04	3.74E-02	6.75E-03	1.82E-01	1.82E-01	2.07E+01	3.74E-01	3.45E-02	2.13E+01	1.77E-01	2.61E-04	3.74E-02	6.75E-03	2.21E-01
4847	484863.09	3861877.25	1.33E-01	2.27E-04	3.68E-02	8.16E-03	1.78E-01	1.75E-01	2.18E+01	3.68E-01	4.17E-02	2.24E+01	1.70E-01	2.75E-04	3.68E-02	8.16E-03	2.15E-01
4848	485363.09	3861877.25	1.18E-01	2.84E-04	2.69E-02	8.73E-03	1.54E-01	1.56E-01	2.73E+01	2.69E-01	4.46E-02	2.77E+01	1.52E-01	3.44E-04	2.69E-02	8.73E-03	1.88E-01
4849	485863.09	3861877.25	1.25E-01	2.94E-04	5.60E-02	7.79E-03	1.89E-01	1.65E-01	2.82E+01	5.60E-01	3.98E-02	2.90E+01	1.60E-01	3.57E-04	5.60E-02	7.79E-03	2.24E-01
4850	486363.09	3861877.25	1.36E-01	2.82E-04	3.16E-02	8.86E-03	1.77E-01	1.80E-01	2.70E+01	3.16E-01	4.52E-02	2.76E+01	1.74E-01	3.42E-04	3.16E-02	8.86E-03	2.15E-01
4851	486863.09	3861877.25	1.58E-01	3.24E-04	2.44E-02	7.56E-03	1.91E-01	2.09E-01	3.10E+01	2.44E-01	3.86E-02	3.15E+01	2.03E-01	3.92E-04	2.44E-02	7.56E-03	2.35E-01
4852	487363.09	3861877.25	1.84E-01	3.63E-04	5.92E-02	5.97E-03	2.49E-01	2.43E-01	3.48E+01	5.92E-01	3.05E-02	3.57E+01	2.36E-01	4.40E-04	5.92E-02	5.97E-03	3.01E-01
4853	487863.09	3861877.25	1.57E-01	2.89E-04	5.92E-02	7.74E-03	2.24E-01	2.07E-01	2.77E+01	5.92E-01	3.95E-02	2.85E+01	2.01E-01	3.50E-04	5.92E-02	7.74E-03	2.68E-01
4854	488363.09	3861877.25	1.61E-01	4.02E-04	3.97E-02	6.55E-03	2.08E-01	2.13E-01	3.86E+01	3.97E-01	3.35E-02	3.92E+01	2.07E-01	4.87E-04	3.97E-02	6.55E-03	2.54E-01
4855	488863.09	3861877.25	1.59E-01	3.77E-04	3.79E-02	2.09E-02	2.18E-01	2.09E-01	3.61E+01	3.79E-01	1.07E-01	3.68E+01	2.03E-01	4.57E-04	3.79E-02	2.09E-02	2.62E-01
4856	489363.09	3861877.25	2.11E-01	4.22E-04	1.82E-02	9.03E-03	2.39E-01	2.79E-01	4.05E+01	1.82E-01	4.61E-02	4.10E+01	2.71E-01	5.12E-04	1.82E-02	9.03E-03	2.98E-01
4857	489863.09	3861877.25	1.63E-01	4.89E-04	3.11E-02	1.33E-02	2.08E-01	2.15E-01	4.69E+01	3.11E-01	6.81E-02	4.75E+01	2.09E-01	5.93E-04	3.11E-02	1.33E-02	2.54E-01
4858	490363.09	3861877.25	1.66E-01	5.05E-04	3.86E-02	1.25E-02	2.18E-01	2.20E-01	4.84E+01	3.86E-01	6.40E-02	4.91E+01	2.13E-01	6.12E-04	3.86E-02	1.25E-02	2.65E-01
4859	490863.09	3861877.25	1.95E-01	4.15E-04	4.84E-02	1.25E-02	2.57E-01	2.58E-01	3.98E+01	4.84E-01	6.39E-02	4.06E+01	2.51E-01	5.03E-04	4.84E-02	1.25E-02	3.12E-01
4860	491363.09	3861877.25	1.95E-01	3.09E-04	3.97E-02	1.21E-02	2.47E-01	2.57E-01	2.96E+01	3.97E-01	6.19E-02	3.03E+01	2.50E-01	3.74E-04	3.97E-02	1.21E-02	3.02E-01
4861	491863.09	3861877.25	2.29E-01	2.87E-04	3.57E-02	1.16E-02	2.77E-01	3.03E-01	2.75E+01	3.57E-01	5.90E-02	2.83E+01	2.94E-01	3.48E-04	3.57E-02	1.16E-02	3.42E-01
4862	492363.09	3861877.25	1.69E-01	2.90E-04	3.49E-02	1.17E-02	2.16E-01	2.23E-01	2.78E+01	3.49E-01	5.97E-02	2.84E+01	2.17E-01	3.51E-04	3.49E-02	1.17E-02	2.64E-01
4863	492863.09	3861877.25	1.36E-01	2.78E-04	2.90E-02	1.08E-02	1.76E-01	1.80E-01	2.67E+01	2.90E-01	5.54E-02	2.72E+01	1.75E-01	3.37E-04	2.90E-02	1.08E-02	2.15E-01
4864	493363.09	3861877.25	1.39E-01	2.50E-04	3.13E-02	9.47E-03	1.80E-01	1.83E-01	2.40E+01	3.13E-01	4.84E-02	2.45E+01	1.78E-01	3.03E-04	3.13E-02	9.47E-03	2.19E-01
4865	493863.09	3861877.25	1.17E-01	2.22E-04	2.99E-02	8.31E-03	1.55E-01	1.54E-01	2.13E+01	2.99E-01	4.24E-02	2.18E+01	1.50E-01	2.69E-04	2.99E-02	8.31E-03	1.88E-01
4866	494363.09	3861877.25	9.53E-02	2.02E-04	3.20E-02	7.66E-03	1.35E-01	1.26E-01	1.94E+01	3.20E-01	3.91E-02	1.99E+01	1.22E-01	2.45E-04	3.20E-02	7.66E-03	1.62E-01
4867	494863.09	3861877.25	9.45E-02	1.76E-04	3.27E-02	7.01E-03	1.34E-01	1.25E-01	1.69E+01	3.27E-01	3.58E-02	1.73E+01	1.21E-01	2.13E-04	3.27E-02	7.01E-03	1.61E-01
4868	495363.09	3861877.25	1.30E-01	1.46E-04	2.84E-02	6.94E-03	1.66E-01	1.72E-01	1.40E+01	2.84E-01	3.55E-02	1.45E+01	1.67E-01	1.77E-04	2.84E-02	6.94E-03	2.02E-01
4869	495863.09	3861877.25	1.52E-01	1.34E-04	3.02E-02	7.16E-03	1.90E-01	2.01E-01	1.29E+01	3.02E-01	3.66E-02	1.34E+01	1.95E-01	1.63E-04	3.02E-02	7.16E-03	2.33E-01
4870	496363.09	3861877.25	1.52E-01	1.27E-04	2.86E-02	7.23E-03	1.88E-01	2.01E-01	1.22E+01	2.86E-01	3.69E-02	1.27E+01	1.95E-01	1.54E-04	2.86E-02	7.23E-03	2.31E-01
4871	496863.09	3861877.25	1.43E-01	1.28E-04	3.51E-02	7.42E-03	1.86E-01	1.89E-01	1.22E+01	3.51E-01	3.79E-02	1.28E+01	1.84E-01	1.55E-04	3.51E-02	7.42E-03	2.26E-01
4872	497363.09	3861877.25	1.23E-01	1.24E-04	3.26E-02	7.19E-03	1.63E-01	1.62E-01	1.19E+01	3.26E-01	3.67E-02	1.25E+01	1.58E-01	1.51E-04	3.26E-02	7.19E-03	1.97E-01
4873	497863.09	3861877.25	1.22E-01	1.19E-04	3.14E-02	6.81E-03	1.60E-01	1.61E-01	1.14E+01	3.14E-01	3.48E-02	1.19E+01	1.56E-01	1.44E-04	3.14E-02	6.81E-03	1.94E-01
4874	498363.09	3861877.25	1.11E-01	1.16E-04	2.72E-02	6.54E-03	1.45E-01	1.47E-01	1.11E+01	2.72E-01	3.34E-02	1.16E+01	1.43E-01	1.41E-04	2.72E-02	6.54E-03	1.77E-01
4875	471363.09	3862377.25	8.09E-02	6.11E-05	3.20E-02	4.02E-03	1.17E-01	1.07E-01	5.86E+00	3.20E-01	2.05E-02	6.31E+00	1.04E-01	7.41E-05	3.20E-02	4.02E-03	1.40E-01
4876	471863.09	3862377.25	8.25E-02	6.07E-05	3.30E-02	4.56E-03	1.20E-01	1.09E-01	5.83E+00	3.30E-01	2.33E-02	6.29E+00	1.06E-01	7.36E-05	3.30E-02	4.56E-03	1.43E-01

4877	472363.09	3862377.25	8.26E-02	5.93E-05	3.19E-02	4.80E-03	1.19E-01	1.09E-01	5.68E+00	3.19E-01	2.45E-02	6.14E+00	1.06E-01	7.18E-05	3.19E-02	4.80E-03	1.43E-01
4878	472863.09	3862377.25	8.13E-02	6.10E-05	2.92E-02	4.41E-03	1.15E-01	1.07E-01	5.85E+00	2.92E-01	2.25E-02	6.27E+00	1.04E-01	7.39E-05	2.92E-02	4.41E-03	1.38E-01
4879	473363.09	3862377.25	7.80E-02	6.29E-05	2.50E-02	4.40E-03	1.08E-01	1.03E-01	6.03E+00	2.50E-01	2.25E-02	6.41E+00	1.00E-01	7.62E-05	2.50E-02	4.40E-03	1.30E-01
4880	473863.09	3862377.25	7.24E-02	6.35E-05	1.99E-02	4.83E-03	9.73E-02	9.57E-02	6.09E+00	1.99E-01	2.47E-02	6.41E+00	9.29E-02	7.69E-05	1.99E-02	4.83E-03	1.18E-01
4881	474363.09	3862377.25	6.44E-02	6.42E-05	1.76E-02	5.15E-03	8.72E-02	8.51E-02	6.16E+00	1.76E-01	2.63E-02	6.45E+00	8.26E-02	7.78E-05	1.76E-02	5.15E-03	1.05E-01
4882	474863.09	3862377.25	6.37E-02	6.44E-05	2.43E-02	5.28E-03	9.34E-02	8.42E-02	6.18E+00	2.43E-01	2.70E-02	6.53E+00	8.17E-02	7.80E-05	2.43E-02	5.28E-03	1.11E-01
4883	475363.09	3862377.25	6.17E-02	6.66E-05	3.04E-02	5.16E-03	9.73E-02	8.15E-02	6.39E+00	3.04E-01	2.64E-02	6.80E+00	7.91E-02	8.07E-05	3.04E-02	5.16E-03	1.15E-01
4884	475863.09	3862377.25	6.06E-02	6.84E-05	3.41E-02	4.75E-03	9.95E-02	8.00E-02	6.56E+00	3.41E-01	2.42E-02	7.00E+00	7.77E-02	8.28E-05	3.41E-02	4.75E-03	1.17E-01
4885	476363.09	3862377.25	6.55E-02	7.08E-05	3.43E-02	4.81E-03	1.05E-01	8.65E-02	6.79E+00	3.43E-01	2.46E-02	7.24E+00	8.39E-02	8.58E-05	3.43E-02	4.81E-03	1.23E-01
4886	476863.09	3862377.25	6.69E-02	7.31E-05	3.05E-02	4.81E-03	1.02E-01	8.84E-02	7.01E+00	3.05E-01	2.46E-02	7.43E+00	8.58E-02	8.85E-05	3.05E-02	4.81E-03	1.21E-01
4887	477363.09	3862377.25	7.03E-02	7.10E-05	2.66E-02	6.06E-03	1.03E-01	9.29E-02	6.81E+00	2.66E-01	3.10E-02	7.20E+00	9.01E-02	8.60E-05	2.66E-02	6.06E-03	1.23E-01
4888	477863.09	3862377.25	7.73E-02	4.93E-05	1.47E-01	2.35E-02	2.48E-01	1.02E-01	4.73E+00	1.47E+00	1.20E-01	6.42E+00	9.91E-02	5.97E-05	1.47E-01	2.35E-02	2.70E-01
4889	478363.09	3862377.25	7.46E-02	3.38E-05	1.10E-01	2.01E-02	2.04E-01	9.85E-02	3.24E+00	1.10E+00	1.03E-01	4.54E+00	9.56E-02	4.09E-05	1.10E-01	2.01E-02	2.25E-01
4890	478863.09	3862377.25	7.89E-02	3.43E-05	3.91E-02	8.68E-03	1.27E-01	1.04E-01	3.29E+00	3.91E-01	4.43E-02	3.83E+00	1.01E-01	4.16E-05	3.91E-02	8.68E-03	1.49E-01
4891	479363.09	3862377.25	9.34E-02	4.35E-05	6.30E-02	7.78E-03	1.64E-01	1.23E-01	4.17E+00	6.30E-01	3.98E-02	4.96E+00	1.20E-01	5.27E-05	6.30E-02	7.78E-03	1.91E-01
4892	479863.09	3862377.25	1.05E-01	8.78E-05	4.18E-02	5.32E-03	1.53E-01	1.39E-01	8.42E+00	4.18E-01	2.72E-02	9.00E+00	1.35E-01	1.06E-04	4.18E-02	5.32E-03	1.82E-01
4893	480363.09	3862377.25	9.74E-02	1.04E-04	2.63E-02	5.31E-03	1.29E-01	1.29E-01	9.96E+00	2.63E-01	2.71E-02	1.04E+01	1.25E-01	1.26E-04	2.63E-02	5.31E-03	1.57E-01
4894	480863.09	3862377.25	1.08E-01	1.13E-04	2.69E-02	5.34E-03	1.40E-01	1.42E-01	1.08E+01	2.69E-01	2.73E-02	1.13E+01	1.38E-01	1.37E-04	2.69E-02	5.34E-03	1.70E-01
4895	481363.09	3862377.25	1.11E-01	1.31E-04	3.02E-02	5.25E-03	1.47E-01	1.47E-01	1.25E+01	3.02E-01	2.68E-02	1.30E+01	1.43E-01	1.58E-04	3.02E-02	5.25E-03	1.78E-01
4896	481863.09	3862377.25	1.16E-01	1.48E-04	3.38E-02	5.50E-03	1.55E-01	1.53E-01	1.41E+01	3.38E-01	2.81E-02	1.47E+01	1.48E-01	1.79E-04	3.38E-02	5.50E-03	1.88E-01
4897	482363.09	3862377.25	1.33E-01	1.57E-04	4.23E-02	5.63E-03	1.81E-01	1.75E-01	1.50E+01	4.23E-01	2.88E-02	1.57E+01	1.70E-01	1.90E-04	4.23E-02	5.63E-03	2.18E-01
4898	482863.09	3862377.25	1.46E-01	1.57E-04	4.79E-02	6.68E-03	2.01E-01	1.93E-01	1.51E+01	4.79E-01	3.41E-02	1.58E+01	1.87E-01	1.91E-04	4.79E-02	6.68E-03	2.42E-01
4899	483363.09	3862377.25	1.52E-01	1.60E-04	3.45E-02	7.81E-03	1.94E-01	2.00E-01	1.54E+01	3.45E-01	3.99E-02	1.60E+01	1.95E-01	1.94E-04	3.45E-02	7.81E-03	2.37E-01
4900	483863.09	3862377.25	1.35E-01	1.86E-04	3.39E-02	7.26E-03	1.76E-01	1.78E-01	1.78E+01	3.39E-01	3.71E-02	1.84E+01	1.73E-01	2.25E-04	3.39E-02	7.26E-03	2.14E-01
4901	484363.09	3862377.25	1.32E-01	1.79E-04	3.20E-02	8.00E-03	1.72E-01	1.74E-01	1.71E+01	3.20E-01	4.09E-02	1.77E+01	1.69E-01	2.17E-04	3.20E-02	8.00E-03	2.09E-01
4902	484863.09	3862377.25	1.24E-01	2.34E-04	2.91E-02	7.65E-03	1.61E-01	1.64E-01	2.25E+01	2.91E-01	3.91E-02	2.30E+01	1.59E-01	2.84E-04	2.91E-02	7.65E-03	1.96E-01
4903	485363.09	3862377.25	1.10E-01	2.66E-04	4.86E-02	8.07E-03	1.67E-01	1.46E-01	2.55E+01	4.86E-01	4.12E-02	2.62E+01	1.42E-01	3.22E-04	4.86E-02	8.07E-03	1.99E-01
4904	485863.09	3862377.25	1.17E-01	2.42E-04	4.23E-02	9.00E-03	1.69E-01	1.55E-01	2.32E+01	4.23E-01	4.60E-02	2.38E+01	1.51E-01	2.93E-04	4.23E-02	9.00E-03	2.02E-01
4905	486363.09	3862377.25	1.22E-01	1.95E-04	2.12E-02	8.25E-03	1.52E-01	1.62E-01	1.87E+01	2.12E-01	4.21E-02	1.91E+01	1.57E-01	2.36E-04	2.12E-02	8.25E-03	1.87E-01
4906	486863.09	3862377.25	1.44E-01	2.81E-04	3.06E-02	6.31E-03	1.82E-01	1.91E-01	2.69E+01	3.06E-01	3.22E-02	2.75E+01	1.85E-01	3.40E-04	3.06E-02	6.31E-03	2.22E-01
4907	487363.09	3862377.25	1.61E-01	2.75E-04	5.92E-02	5.39E-03	2.26E-01	2.13E-01	2.63E+01	5.92E-01	2.76E-02	2.72E+01	2.07E-01	3.33E-04	5.92E-02	5.39E-03	2.71E-01
4908	487863.09	3862377.25	1.41E-01	2.34E-04	5.41E-02	1.05E-02	2.05E-01	1.86E-01	2.24E+01	5.41E-01	5.34E-02	2.32E+01	1.80E-01	2.83E-04	5.41E-02	1.05E-02	2.45E-01
4909	488363.09	3862377.25	1.39E-01	3.21E-04	3.98E-02	7.09E-03	1.87E-01	1.84E-01	3.08E+01	3.98E-01	3.62E-02	3.14E+01	1.79E-01	3.89E-04	3.98E-02	7.09E-03	2.26E-01
4910	488863.09	3862377.25	1.42E-01	3.39E-04	3.33E-02	1.13E-02	1.87E-01	1.87E-01	3.25E+01	3.33E-01	5.78E-02	3.31E+01	1.82E-01	4.11E-04	3.33E-02	1.13E-02	2.27E-01
4911	489363.09	3862377.25	1.65E-01	2.97E-04	2.28E-02	9.07E-03	1.98E-01	2.19E-01	2.85E+01	2.28E-01	4.63E-02	2.90E+01	2.12E-01	3.60E-04	2.28E-02	9.07E-03	2.44E-01
4912	489863.09	3862377.25	1.94E-01	3.57E-04	2.49E-02	9.78E-03	2.29E-01	2.56E-01	3.42E+01	2.49E-01	4.99E-02	3.48E+01	2.48E-01	4.32E-04	2.49E-02	9.78E-03	2.83E-01
4913	490363.09	3862377.25	1.30E-01	3.94E-04	3.47E-02	1.10E-02	1.76E-01	1.72E-01	3.78E+01	3.47E-01	5.64E-02	3.84E+01	1.67E-01	4.78E-04	3.47E-02	1.10E-02	2.13E-01
4914	490863.09	3862377.25	1.69E-01	4.05E-04	4.03E-02	1.28E-02	2.22E-01	2.23E-01	3.88E+01	4.03E-01	6.53E-02	3.95E+01	2.17E-01	4.90E-04	4.03E-02	1.28E-02	2.70E-01
4915	491363.09	3862377.25	1.69E-01	3.47E-04	4.17E-02	1.12E-02	2.23E-01	2.24E-01	3.33E+01	4.17E-01	5.72E-02	3.40E+01	2.17E-01	4.21E-04	4.17E-02	1.12E-02	2.70E-01
4916	491863.09	3862377.25	1.75E-01	2.63E-04	3.62E-02	1.14E-02	2.23E-01	2.32E-01	2.53E+01	3.62E-01	5.81E-02	2.59E+01	2.25E-01	3.19E-04	3.62E-02	1.14E-02	2.73E-01
4917	492363.09	3862377.25	2.06E-01	2.20E-04	3.31E-02	1.01E-02	2.50E-01	2.72E-01	2.11E+01	3.31E-01	5.14E-02	2.17E+01	2.64E-01	2.66E-04	3.31E-02	1.01E-02	3.08E-01
4918	492863.09	3862377.25	1.51E-01	2.48E-04	3.31E-02	1.09E-02	1.95E-01	1.99E-01	2.38E+01	3.31E-01	5.59E-02	2.44E+01	1.93E-01	3.00E-04	3.31E-02	1.09E-02	2.37E-01
4919	493363.09	3862377.25	1.40E-01	2.54E-04	3.13E-02	1.09E-02	1.82E-01	1.85E-01	2.44E+01	3.13E-01	5.57E-02	2.49E+01	1.79E-01	3.08E-04	3.13E-02	1.09E-02	2.22E-01
4920	493863.09	3862377.25	1.24E-01	2.45E-04	2.69E-02	1.00E-02	1.61E-01	1.64E-01	2.35E+01	2.69E-01	5.12E-02	2.40E+01	1.59E-01	2.97E-04	2.69E-02	1.00E-02	1.96E-01
4921	494363.09	3862377.25	1.13E-01	2.15E-04	2.97E-02	8.73E-03	1.52E-01	1.49E-01	2.06E+01	2.97E-01	4.46E-02	2.11E+01	1.45E-01	2.60E-04	2.97E-02	8.73E-03	1.84E-01
4922	494863.09	3862377.25	8.78E-02	1.98E-04	2.67E-02	8.07E-03	1.23E-01	1.16E-01	1.90E+01	2.67E-01	4.12E-02	1.94E+01	1.13E-01	2.40E-04	2.67E-02	8.07E-03	1.48E-01
4923	495363.09	3862377.25	8.40E-02	1.80E-04	2.98E-02	7.44E-03	1.21E-01	1.11E-01	1.73E+01	2.98E-01	3.80E-02	1.77E+01	1.08E-01	2.18E-04	2.98E-02	7.44E-03	1.45E-01
4924	495863.09	3862377.25	9.05E-02	1.58E-04	2.98E-02	6.79E-03	1.27E-01	1.20E-01	1.52E+01	2.98E-01	3.47E-02	1.56E+01	1.16E-01	1.92E-04	2.98E-02	6.79E-03	1.53E-01
4925	496363.09	3862377.25	1.21E-01	1.34E-04	2.57E-02	6.08E-03	1.53E-01	1.60E-01	1.29E+01	2.57E-01	3.11E-02	1.33E+01	1.55E-01	1.63E-04	2.57E-02	6.08E-03	1.87E-01
4926	496863.09	3862377.25	1.37E-01	1.17E-04	2.76E-02	6.54E-03	1.71E-01	1.81E-01	1.12E+01	2.76E-01	3.34E-02	1.17E+01	1.76E-01	1.41E-04	2.76E-02	6.54E-03	2.10E-01
4927	497363.09	3862377.25	1.32E-01	1.11E-04	2.61E-02	6.79E-03	1.65E-01	1.74E-01	1.07E+01	2.61E-01	3.47E-02	1.11E+01	1.69E-01	1.35E-04	2.61E-02	6.79E-03	2.02E-01
4928	497863.09	3862377.25	1.15E-01	1.05E-04	2.30E-02	6.90E-03	1.45E-01	1.51E-01	1.01E+01	2.30E-01	3.53E-02	1.05E+01	1.47E-01	1.27E-04	2.30E-02	6.90E-03	1.77E-01
4929	498363.09	3862377.25	1.03E-01	1.03E-04	2.75E-02	6.85E-03	1.38E-01	1.36E-01	9.88E+00	2.75E-01	3.50E-02	1.03E+01	1.32E-01	1.25E-04	2.75E-02	6.85E-03	1.67E-01
4930	471363.09	3862877.25	7.72E-02	5.42E-05	2.67E-02	4.77E-03	1.09E-01	1.02E-01	5.20E+00	2.67E-01	2.44E-02	5.60E+00	9.89E-02	6.57E-05	2.67E-02	4.77E-03	1.30E-01
4931	471863.09	3862877.25	7.51E-02	5.33E-05	2.25E-02	4.46E-03	1.02E-01	9.92E-02	5.11E+00	2.25E-01	2.28E-02	5.46E+00	9.63E-02	6.46E-05	2.25E-02	4.46E-03	1.23E-01
4932	472363.09	3862877.25	7.11E-02	5.36E-05	1.79E-02	3.95E-03	9.31E-02	9.40E-02	5.14E+00	1.79E-01	2.02E-02	5.44E+00	9.12E-02	6.50E-05	1.79E-02	3.95E-03	1.13E-01
4933	472863.09	3862877.25	6.52E-02	5.29E-05	1.75E-02	4.36E-03	8.71E-02	8.62E-02	5.07E+00	1.75E-01	2.23E-02	5.36E+00	8.36E-02	6.41E-05	1.75E-02	4.36E-03	1.06E-01
4934	473363.09	3862877.25	6.00E-02	5.33E-05	2.36E-02	4.70E-03	8.84E-02	7.92E-02	5.11E+00	2.36E-01	2.40E-02	5.45E+00	7.69E-02	6.45E-05	2.36E-02	4.70E-03	1.05E-01
4935	473863.09	3862877.25	5.97E-02	5.52E-05	2.94E-02	4.92E-03	9.40E-02	7.88E-02	5.29E+00	2.94E-01	2.51E-02	5.69E+00	7.65E-02	6.69E-05	2.94E-02	4.92E-03	1.11E-01
4936	474363.09	3862877.25	5.77E-02	5.78E-05	3.33E-02	4.92E-03	9.60E-02	7.63E-02	5.54E+00	3.33E-01	2.52E-02	5.98E+00	7.40E-02	7.00E-05	3.33E-02	4.92E-03	1.12E-01
4937	474863.09	3862877.25	5.39E-02	6.11E-05	3.44E-02	4.68E-03	9.30E-02	7.13E-02	5.86E+00	3.44E-01	2.39E-02	6.30E+00	6.92E-02	7.40E-05	3.44E-02	4.68E-03	1.08E-01

4938	475363.09	3862877.25	5.57E-02	6.67E-05	3.15E-02	4.40E-03	9.16E-02	7.35E-02	6.40E+00	3.15E-01	2.25E-02	6.81E+00	7.14E-02	8.08E-05	3.15E-02	4.40E-03	1.07E-01
4939	475863.09	3862877.25	5.96E-02	7.28E-05	2.53E-02	4.69E-03	8.96E-02	7.87E-02	6.98E+00	2.53E-01	2.39E-02	7.33E+00	7.64E-02	8.82E-05	2.53E-02	4.69E-03	1.06E-01
4940	476363.09	3862877.25	6.42E-02	7.70E-05	2.37E-02	4.49E-03	9.25E-02	8.49E-02	7.38E+00	2.37E-01	2.29E-02	7.73E+00	8.24E-02	9.32E-05	2.37E-02	4.49E-03	1.11E-01
4941	476863.09	3862877.25	6.70E-02	7.78E-05	2.44E-02	4.58E-03	9.61E-02	8.85E-02	7.46E+00	2.44E-01	2.34E-02	7.81E+00	8.59E-02	9.42E-05	2.44E-02	4.58E-03	1.15E-01
4942	477363.09	3862877.25	7.47E-02	7.47E-05	2.42E-02	4.98E-03	1.04E-01	9.87E-02	7.16E+00	2.42E-01	2.54E-02	7.53E+00	9.58E-02	9.04E-05	2.42E-02	4.98E-03	1.25E-01
4943	477863.09	3862877.25	8.84E-02	6.19E-05	3.43E-02	6.33E-03	1.29E-01	1.17E-01	5.93E+00	3.43E-01	3.23E-02	6.42E+00	1.13E-01	7.49E-05	3.43E-02	6.33E-03	1.54E-01
4944	478363.09	3862877.25	8.54E-02	4.20E-05	5.59E-02	8.95E-03	1.50E-01	1.13E-01	4.03E+00	5.59E-01	4.57E-02	4.75E+00	1.10E-01	5.09E-05	5.59E-02	8.95E-03	1.74E-01
4945	478863.09	3862877.25	9.15E-02	4.58E-05	5.64E-02	9.27E-03	1.57E-01	1.21E-01	4.39E+00	5.64E-01	4.74E-02	5.12E+00	1.17E-01	5.54E-05	5.64E-02	9.27E-03	1.83E-01
4946	479363.09	3862877.25	9.32E-02	5.22E-05	3.37E-02	8.33E-03	1.35E-01	1.23E-01	5.01E+00	3.37E-01	4.25E-02	5.51E+00	1.19E-01	6.32E-05	3.37E-02	8.33E-03	1.62E-01
4947	479863.09	3862877.25	8.98E-02	1.02E-04	2.48E-02	4.82E-03	1.20E-01	1.19E-01	9.77E+00	2.48E-01	2.46E-02	1.02E+01	1.15E-01	1.23E-04	2.48E-02	4.82E-03	1.45E-01
4948	480363.09	3862877.25	9.94E-02	1.06E-04	2.55E-02	5.62E-03	1.31E-01	1.31E-01	1.02E+01	2.55E-01	2.87E-02	1.06E+01	1.27E-01	1.29E-04	2.55E-02	5.62E-03	1.59E-01
4949	480863.09	3862877.25	1.05E-01	1.26E-04	3.05E-02	5.17E-03	1.41E-01	1.39E-01	1.21E+01	3.05E-01	2.64E-02	1.25E+01	1.34E-01	1.52E-04	3.05E-02	5.17E-03	1.70E-01
4950	481363.09	3862877.25	1.04E-01	1.40E-04	3.14E-02	5.20E-03	1.40E-01	1.37E-01	1.34E+01	3.14E-01	2.66E-02	1.39E+01	1.33E-01	1.70E-04	3.14E-02	5.20E-03	1.69E-01
4951	481863.09	3862877.25	1.16E-01	1.40E-04	4.63E-02	5.55E-03	1.68E-01	1.53E-01	1.35E+01	4.63E-01	2.84E-02	1.41E+01	1.49E-01	1.70E-04	4.63E-02	5.55E-03	2.01E-01
4952	482363.09	3862877.25	1.29E-01	1.34E-04	4.16E-02	6.03E-03	1.77E-01	1.71E-01	1.28E+01	4.16E-01	3.08E-02	1.34E+01	1.66E-01	1.62E-04	4.16E-02	6.03E-03	2.14E-01
4953	482863.09	3862877.25	1.41E-01	1.48E-04	3.12E-02	6.78E-03	1.79E-01	1.86E-01	1.42E+01	3.12E-01	3.46E-02	1.47E+01	1.80E-01	1.79E-04	3.12E-02	6.78E-03	2.19E-01
4954	483363.09	3862877.25	1.34E-01	1.50E-04	3.12E-02	7.61E-03	1.73E-01	1.77E-01	1.44E+01	3.12E-01	3.89E-02	1.49E+01	1.72E-01	1.82E-04	3.12E-02	7.61E-03	2.11E-01
4955	483863.09	3862877.25	1.23E-01	1.44E-04	2.96E-02	7.39E-03	1.60E-01	1.62E-01	1.38E+01	2.96E-01	3.78E-02	1.43E+01	1.57E-01	1.75E-04	2.96E-02	7.39E-03	1.94E-01
4956	484363.09	3862877.25	1.27E-01	1.90E-04	2.95E-02	7.44E-03	1.64E-01	1.68E-01	1.82E+01	2.95E-01	3.80E-02	1.87E+01	1.63E-01	2.31E-04	2.95E-02	7.44E-03	2.00E-01
4957	484863.09	3862877.25	1.17E-01	2.34E-04	3.50E-02	8.07E-03	1.60E-01	1.55E-01	2.25E+01	3.50E-01	4.12E-02	2.30E+01	1.50E-01	2.84E-04	3.50E-02	8.07E-03	1.93E-01
4958	485363.09	3862877.25	1.04E-01	2.11E-04	5.30E-02	8.79E-03	1.66E-01	1.38E-01	2.03E+01	5.30E-01	4.49E-02	2.10E+01	1.34E-01	2.56E-04	5.30E-02	8.79E-03	1.96E-01
4959	485863.09	3862877.25	1.09E-01	1.77E-04	3.87E-02	8.50E-03	1.56E-01	1.44E-01	1.69E+01	3.87E-01	4.34E-02	1.75E+01	1.40E-01	2.14E-04	3.87E-02	8.50E-03	1.87E-01
4960	486363.09	3862877.25	1.11E-01	1.93E-04	2.20E-02	6.17E-03	1.39E-01	1.46E-01	1.85E+01	2.20E-01	3.15E-02	1.89E+01	1.42E-01	2.34E-04	2.20E-02	6.17E-03	1.70E-01
4961	486863.09	3862877.25	1.34E-01	2.25E-04	3.54E-02	5.22E-03	1.75E-01	1.77E-01	2.16E+01	3.54E-01	2.67E-02	2.21E+01	1.72E-01	2.72E-04	3.54E-02	5.22E-03	2.13E-01
4962	487363.09	3862877.25	1.45E-01	2.22E-04	5.77E-02	6.54E-03	2.10E-01	1.92E-01	2.13E+01	5.77E-01	3.34E-02	2.21E+01	1.86E-01	2.69E-04	5.77E-02	6.54E-03	2.51E-01
4963	487863.09	3862877.25	1.27E-01	1.95E-04	4.94E-02	1.11E-02	1.88E-01	1.68E-01	1.87E+01	4.94E-01	5.70E-02	1.94E+01	1.63E-01	2.36E-04	4.94E-02	1.11E-02	2.23E-01
4964	488363.09	3862877.25	1.12E-01	2.61E-04	3.92E-02	7.13E-03	1.59E-01	1.48E-01	2.50E+01	3.92E-01	3.64E-02	2.56E+01	1.44E-01	3.16E-04	3.92E-02	7.13E-03	1.90E-01
4965	488863.09	3862877.25	1.40E-01	3.00E-04	2.77E-02	6.42E-03	1.75E-01	1.85E-01	2.88E+01	2.77E-01	3.28E-02	2.93E+01	1.80E-01	3.64E-04	2.77E-02	6.42E-03	2.14E-01
4966	489363.09	3862877.25	1.27E-01	2.49E-04	2.82E-02	8.00E-03	1.64E-01	1.68E-01	2.39E+01	2.82E-01	4.09E-02	2.44E+01	1.63E-01	3.02E-04	2.82E-02	8.00E-03	2.00E-01
4967	489863.09	3862877.25	1.73E-01	2.66E-04	1.80E-02	9.75E-03	2.01E-01	2.28E-01	2.55E+01	1.80E-01	4.98E-02	2.60E+01	2.22E-01	3.23E-04	1.80E-02	9.75E-03	2.50E-01
4968	490363.09	3862877.25	1.60E-01	2.99E-04	2.69E-02	1.02E-02	1.97E-01	2.11E-01	2.87E+01	2.69E-01	5.22E-02	2.92E+01	2.05E-01	3.62E-04	2.69E-02	1.02E-02	2.43E-01
4969	490863.09	3862877.25	1.25E-01	3.32E-04	3.37E-02	1.10E-02	1.70E-01	1.65E-01	3.18E+01	3.37E-01	5.61E-02	3.24E+01	1.60E-01	4.02E-04	3.37E-02	1.10E-02	2.05E-01
4970	491363.09	3862877.25	1.66E-01	3.34E-04	4.40E-02	1.25E-02	2.23E-01	2.20E-01	3.21E+01	4.40E-01	6.40E-02	3.28E+01	2.13E-01	4.05E-04	4.40E-02	1.25E-02	2.70E-01
4971	491863.09	3862877.25	1.44E-01	2.92E-04	3.37E-02	1.11E-02	1.89E-01	1.91E-01	2.80E+01	3.37E-01	5.67E-02	2.86E+01	1.85E-01	3.54E-04	3.37E-02	1.11E-02	2.30E-01
4972	492363.09	3862877.25	1.60E-01	2.41E-04	3.29E-02	1.06E-02	2.04E-01	2.11E-01	2.31E+01	3.29E-01	5.42E-02	2.37E+01	2.05E-01	2.92E-04	3.29E-02	1.06E-02	2.49E-01
4973	492863.09	3862877.25	1.87E-01	1.87E-04	3.09E-02	9.87E-03	2.28E-01	2.48E-01	1.79E+01	3.09E-01	5.04E-02	1.85E+01	2.40E-01	2.27E-04	3.09E-02	9.87E-03	2.81E-01
4974	493363.09	3862877.25	1.33E-01	1.98E-04	3.17E-02	9.68E-03	1.74E-01	1.76E-01	1.90E+01	3.17E-01	4.95E-02	1.95E+01	1.70E-01	2.39E-04	3.17E-02	9.68E-03	2.12E-01
4975	493863.09	3862877.25	1.40E-01	2.24E-04	3.47E-02	1.05E-02	1.85E-01	1.85E-01	2.15E+01	3.47E-01	5.34E-02	2.21E+01	1.79E-01	2.71E-04	3.47E-02	1.05E-02	2.25E-01
4976	494363.09	3862877.25	1.12E-01	2.30E-04	2.51E-02	1.02E-02	1.47E-01	1.47E-01	2.20E+01	2.51E-01	5.22E-02	2.25E+01	1.43E-01	2.79E-04	2.51E-02	1.02E-02	1.79E-01
4977	494863.09	3862877.25	1.06E-01	2.16E-04	2.75E-02	9.23E-03	1.43E-01	1.40E-01	2.07E+01	2.75E-01	4.72E-02	2.12E+01	1.36E-01	2.61E-04	2.75E-02	9.23E-03	1.73E-01
4978	495363.09	3862877.25	8.77E-02	1.86E-04	2.51E-02	8.04E-03	1.21E-01	1.16E-01	1.79E+01	2.51E-01	4.11E-02	1.83E+01	1.12E-01	2.26E-04	2.51E-02	8.04E-03	1.46E-01
4979	495863.09	3862877.25	7.78E-02	1.76E-04	2.60E-02	7.74E-03	1.12E-01	1.03E-01	1.69E+01	2.60E-01	3.95E-02	1.73E+01	9.97E-02	2.13E-04	2.60E-02	7.74E-03	1.34E-01
4980	496363.09	3862877.25	7.31E-02	1.63E-04	3.01E-02	7.24E-03	1.11E-01	9.66E-02	1.57E+01	3.01E-01	3.70E-02	1.61E+01	9.38E-02	1.98E-04	3.01E-02	7.24E-03	1.31E-01
4981	496863.09	3862877.25	9.13E-02	1.45E-04	2.80E-02	6.63E-03	1.26E-01	1.21E-01	1.39E+01	2.80E-01	3.39E-02	1.44E+01	1.17E-01	1.76E-04	2.80E-02	6.63E-03	1.52E-01
4982	497363.09	3862877.25	1.13E-01	1.25E-04	2.38E-02	5.94E-03	1.43E-01	1.50E-01	1.20E+01	2.38E-01	3.03E-02	1.24E+01	1.45E-01	1.52E-04	2.38E-02	5.94E-03	1.75E-01
4983	497863.09	3862877.25	1.21E-01	1.06E-04	2.50E-02	5.55E-03	1.52E-01	1.60E-01	1.02E+01	2.50E-01	2.83E-02	1.06E+01	1.55E-01	1.28E-04	2.50E-02	5.55E-03	1.86E-01
4984	498363.09	3862877.25	1.16E-01	9.90E-05	2.41E-02	6.06E-03	1.46E-01	1.53E-01	9.49E+00	2.41E-01	3.10E-02	9.92E+00	1.49E-01	1.20E-04	2.41E-02	6.06E-03	1.79E-01
4985	471363.09	3863377.25	6.50E-02	4.49E-05	1.73E-02	3.78E-03	8.61E-02	8.59E-02	4.31E+00	1.73E-01	1.93E-02	4.58E+00	8.33E-02	5.44E-05	1.73E-02	3.78E-03	1.04E-01
4986	471863.09	3863377.25	5.90E-02	4.56E-05	2.28E-02	3.99E-03	8.59E-02	7.79E-02	4.37E+00	2.28E-01	2.04E-02	4.70E+00	7.56E-02	5.52E-05	2.28E-02	3.99E-03	1.02E-01
4987	472363.09	3863377.25	5.63E-02	4.76E-05	2.83E-02	4.34E-03	8.90E-02	7.44E-02	4.57E+00	2.83E-01	2.22E-02	4.95E+00	7.22E-02	5.77E-05	2.83E-02	4.34E-03	1.05E-01
4988	472863.09	3863377.25	5.61E-02	4.99E-05	3.26E-02	4.59E-03	9.34E-02	7.41E-02	4.79E+00	3.26E-01	2.35E-02	5.21E+00	7.20E-02	6.05E-05	3.26E-02	4.59E-03	1.09E-01
4989	473363.09	3863377.25	5.42E-02	5.30E-05	3.45E-02	4.70E-03	9.35E-02	7.16E-02	5.08E+00	3.45E-01	2.40E-02	5.52E+00	6.95E-02	6.42E-05	3.45E-02	4.70E-03	1.09E-01
4990	473863.09	3863377.25	5.07E-02	5.67E-05	3.30E-02	4.61E-03	8.84E-02	6.70E-02	5.44E+00	3.30E-01	2.35E-02	5.86E+00	6.50E-02	6.87E-05	3.30E-02	4.61E-03	1.03E-01
4991	474363.09	3863377.25	4.85E-02	6.03E-05	2.83E-02	4.30E-03	8.12E-02	6.41E-02	5.78E+00	2.83E-01	2.19E-02	6.15E+00	6.22E-02	7.30E-05	2.83E-02	4.30E-03	9.48E-02
4992	474863.09	3863377.25	5.35E-02	6.33E-05	2.26E-02	4.17E-03	8.04E-02	7.07E-02	6.07E+00	2.26E-01	2.13E-02	6.39E+00	6.86E-02	7.67E-05	2.26E-02	4.17E-03	9.55E-02
4993	475363.09	3863377.25	5.74E-02	6.45E-05	2.23E-02	4.81E-03	8.47E-02	7.59E-02	6.18E+00	2.23E-01	2.46E-02	6.51E+00	7.36E-02	7.81E-05	2.23E-02	4.81E-03	1.01E-01
4994	475863.09	3863377.25	6.18E-02	6.49E-05	2.27E-02	4.44E-03	8.90E-02	8.16E-02	6.22E+00	2.27E-01	2.27E-02	6.56E+00	7.92E-02	7.86E-05	2.27E-02	4.44E-03	1.06E-01
4995	476363.09	3863377.25	6.38E-02	6.61E-05	2.22E-02	4.26E-03	9.04E-02	8.43E-02	6.34E+00	2.22E-01	2.18E-02	6.67E+00	8.18E-02	8.01E-05	2.22E-02	4.26E-03	1.08E-01
4996	476863.09	3863377.25	7.07E-02	6.95E-05	3.23E-02	4.43E-03	1.08E-01	9.33E-02	6.66E+00	3.23E-01	2.27E-02	7.10E+00	9.06E-02	8.42E-05	3.23E-02	4.43E-03	1.27E-01
4997	477363.09	3863377.25	8.09E-02	7.22E-05	3.95E-02	4.78E-03	1.25E-01	1.07E-01	6.92E+00	3.95E-01	2.44E-02	7.45E+00	1.04E-01	8.74E-05	3.95E-02	4.78E-03	1.48E-01
4998	477863.09	3863377.25	8.61E-02	7.33E-05	3.92E-02	5.23E-03	1.31E-01	1.14E-01	7.03E+00	3.92E-01	2.67E-02	7.56E+00	1.10E-01	8.88E-05	3.92E-02	5.23E-03	1.55E-01

4999	478363.09	3863377.25	9.36E-02	7.21E-05	3.14E-02	8.41E-03	1.33E-01	1.24E-01	6.91E+00	3.14E-01	4.30E-02	7.39E+00	1.20E-01	8.73E-05	3.14E-02	8.41E-03	1.60E-01
5000	478863.09	3863377.25	9.18E-02	8.09E-05	2.28E-02	8.68E-03	1.23E-01	1.21E-01	7.76E+00	2.28E-01	4.43E-02	8.15E+00	1.18E-01	9.80E-05	2.28E-02	8.68E-03	1.49E-01
5001	479363.09	3863377.25	8.32E-02	9.57E-05	2.24E-02	4.76E-03	1.11E-01	1.10E-01	9.17E+00	2.24E-01	2.43E-02	9.53E+00	1.07E-01	1.16E-04	2.24E-02	4.76E-03	1.34E-01
5002	479863.09	3863377.25	9.05E-02	9.99E-05	2.66E-02	5.48E-03	1.23E-01	1.20E-01	9.58E+00	2.66E-01	2.80E-02	9.99E+00	1.16E-01	1.21E-04	2.66E-02	5.48E-03	1.48E-01
5003	480363.09	3863377.25	9.80E-02	1.09E-04	2.93E-02	5.52E-03	1.33E-01	1.29E-01	1.04E+01	2.93E-01	2.82E-02	1.09E+01	1.26E-01	1.32E-04	2.93E-02	5.52E-03	1.61E-01
5004	480863.09	3863377.25	9.85E-02	1.21E-04	3.19E-02	5.37E-03	1.36E-01	1.30E-01	1.16E+01	3.19E-01	2.75E-02	1.21E+01	1.26E-01	1.47E-04	3.19E-02	5.37E-03	1.64E-01
5005	481363.09	3863377.25	9.52E-02	1.26E-04	4.24E-02	5.81E-03	1.44E-01	1.26E-01	1.21E+01	4.24E-01	2.97E-02	1.27E+01	1.22E-01	1.53E-04	4.24E-02	5.81E-03	1.71E-01
5006	481863.09	3863377.25	1.16E-01	1.23E-04	3.65E-02	6.25E-03	1.59E-01	1.53E-01	1.18E+01	3.65E-01	3.19E-02	1.24E+01	1.48E-01	1.49E-04	3.65E-02	6.25E-03	1.91E-01
5007	482363.09	3863377.25	1.25E-01	1.33E-04	2.84E-02	6.73E-03	1.60E-01	1.65E-01	1.28E+01	2.84E-01	3.44E-02	1.33E+01	1.61E-01	1.61E-04	2.84E-02	6.73E-03	1.96E-01
5008	482863.09	3863377.25	1.29E-01	1.30E-04	2.74E-02	6.99E-03	1.64E-01	1.70E-01	1.24E+01	2.74E-01	3.57E-02	1.29E+01	1.65E-01	1.57E-04	2.74E-02	6.99E-03	2.00E-01
5009	483363.09	3863377.25	1.18E-01	1.24E-04	2.77E-02	7.24E-03	1.53E-01	1.55E-01	1.19E+01	2.77E-01	3.70E-02	1.24E+01	1.51E-01	1.51E-04	2.77E-02	7.24E-03	1.86E-01
5010	483863.09	3863377.25	1.13E-01	1.55E-04	2.74E-02	7.57E-03	1.48E-01	1.49E-01	1.48E+01	2.74E-01	3.87E-02	1.53E+01	1.45E-01	1.87E-04	2.74E-02	7.57E-03	1.80E-01
5011	484363.09	3863377.25	1.21E-01	1.98E-04	2.28E-02	7.92E-03	1.52E-01	1.60E-01	1.90E+01	2.28E-01	4.04E-02	1.94E+01	1.55E-01	2.39E-04	2.28E-02	7.92E-03	1.86E-01
5012	484863.09	3863377.25	1.12E-01	1.95E-04	5.04E-02	8.38E-03	1.71E-01	1.48E-01	1.87E+01	5.04E-01	4.28E-02	1.94E+01	1.44E-01	2.36E-04	5.04E-02	8.38E-03	2.03E-01
5013	485363.09	3863377.25	9.83E-02	1.58E-04	3.74E-02	8.47E-03	1.44E-01	1.30E-01	1.51E+01	3.74E-01	4.32E-02	1.57E+01	1.26E-01	1.91E-04	3.74E-02	8.47E-03	1.72E-01
5014	485863.09	3863377.25	1.01E-01	1.36E-04	3.03E-02	6.65E-03	1.38E-01	1.34E-01	1.30E+01	3.03E-01	3.40E-02	1.35E+01	1.30E-01	1.65E-04	3.03E-02	6.65E-03	1.67E-01
5015	486363.09	3863377.25	1.02E-01	1.97E-04	2.30E-02	7.63E-03	1.32E-01	1.34E-01	1.89E+01	2.30E-01	3.90E-02	1.93E+01	1.30E-01	2.38E-04	2.30E-02	7.63E-03	1.61E-01
5016	486863.09	3863377.25	1.25E-01	2.06E-04	3.89E-02	5.52E-03	1.70E-01	1.66E-01	1.98E+01	3.89E-01	2.82E-02	2.04E+01	1.61E-01	2.50E-04	3.89E-02	5.52E-03	2.05E-01
5017	487363.09	3863377.25	1.34E-01	2.01E-04	5.55E-02	7.75E-03	1.98E-01	1.78E-01	1.93E+01	5.55E-01	3.96E-02	2.00E+01	1.72E-01	2.43E-04	5.55E-02	7.75E-03	2.36E-01
5018	487863.09	3863377.25	1.17E-01	1.65E-04	4.51E-02	1.09E-02	1.73E-01	1.55E-01	1.58E+01	4.51E-01	5.55E-02	1.64E+01	1.50E-01	1.99E-04	4.51E-02	1.09E-02	2.06E-01
5019	488363.09	3863377.25	1.14E-01	2.07E-04	3.78E-02	6.63E-03	1.58E-01	1.50E-01	1.98E+01	3.78E-01	3.39E-02	2.04E+01	1.46E-01	2.50E-04	3.78E-02	6.63E-03	1.90E-01
5020	488863.09	3863377.25	1.26E-01	2.64E-04	2.24E-02	5.82E-03	1.55E-01	1.67E-01	2.53E+01	2.24E-01	2.97E-02	2.58E+01	1.62E-01	3.20E-04	2.24E-02	5.82E-03	1.90E-01
5021	489363.09	3863377.25	1.17E-01	2.15E-04	3.03E-02	7.01E-03	1.54E-01	1.54E-01	2.06E+01	3.03E-01	3.58E-02	2.11E+01	1.50E-01	2.60E-04	3.03E-02	7.01E-03	1.87E-01
5022	489863.09	3863377.25	1.36E-01	2.04E-04	1.79E-02	8.99E-03	1.63E-01	1.79E-01	1.96E+01	1.79E-01	4.59E-02	2.00E+01	1.74E-01	2.48E-04	1.79E-02	8.99E-03	2.01E-01
5023	490363.09	3863377.25	1.67E-01	2.36E-04	2.12E-02	9.62E-03	1.98E-01	2.21E-01	2.27E+01	2.12E-01	4.92E-02	2.32E+01	2.14E-01	2.86E-04	2.12E-02	9.62E-03	2.45E-01
5024	490863.09	3863377.25	1.23E-01	2.49E-04	2.96E-02	1.01E-02	1.63E-01	1.63E-01	2.39E+01	2.96E-01	5.17E-02	2.44E+01	1.58E-01	3.02E-04	2.96E-02	1.01E-02	1.98E-01
5025	491363.09	3863377.25	1.13E-01	2.94E-04	3.12E-02	1.06E-02	1.55E-01	1.50E-01	2.82E+01	3.12E-01	5.43E-02	2.87E+01	1.45E-01	3.56E-04	3.12E-02	1.06E-02	1.87E-01
5026	491863.09	3863377.25	1.56E-01	2.82E-04	4.08E-02	1.18E-02	2.09E-01	2.06E-01	2.71E+01	4.08E-01	6.02E-02	2.77E+01	2.00E-01	3.42E-04	4.08E-02	1.18E-02	2.53E-01
5027	492363.09	3863377.25	1.25E-01	2.54E-04	3.24E-02	1.21E-02	1.70E-01	1.65E-01	2.43E+01	3.24E-01	6.16E-02	2.49E+01	1.60E-01	3.08E-04	3.24E-02	1.21E-02	2.05E-01
5028	492863.09	3863377.25	1.52E-01	2.22E-04	3.57E-02	1.13E-02	1.99E-01	2.01E-01	2.13E+01	3.57E-01	5.76E-02	2.19E+01	1.95E-01	2.69E-04	3.57E-02	1.13E-02	2.42E-01
5029	493363.09	3863377.25	1.81E-01	1.94E-04	3.14E-02	1.07E-02	2.24E-01	2.39E-01	1.86E+01	3.14E-01	5.44E-02	1.92E+01	2.32E-01	2.35E-04	3.14E-02	1.07E-02	2.75E-01
5030	493863.09	3863377.25	1.32E-01	1.45E-04	3.58E-02	1.07E-02	1.78E-01	1.74E-01	1.39E+01	3.58E-01	5.48E-02	1.45E+01	1.69E-01	1.76E-04	3.58E-02	1.07E-02	2.15E-01
5031	494363.09	3863377.25	1.41E-01	1.85E-04	3.87E-02	9.96E-03	1.90E-01	1.86E-01	1.78E+01	3.87E-01	5.09E-02	1.84E+01	1.81E-01	2.24E-04	3.87E-02	9.96E-03	2.29E-01
5032	494863.09	3863377.25	1.03E-01	2.07E-04	2.51E-02	1.04E-02	1.39E-01	1.36E-01	1.99E+01	2.51E-01	5.34E-02	2.03E+01	1.32E-01	2.51E-04	2.51E-02	1.04E-02	1.68E-01
5033	495363.09	3863377.25	1.04E-01	2.16E-04	2.93E-02	1.02E-02	1.43E-01	1.37E-01	2.07E+01	2.93E-01	5.19E-02	2.12E+01	1.33E-01	2.62E-04	2.93E-02	1.02E-02	1.72E-01
5034	495863.09	3863377.25	9.27E-02	2.07E-04	3.11E-02	9.30E-03	1.33E-01	1.23E-01	1.99E+01	3.11E-01	4.75E-02	2.03E+01	1.19E-01	2.51E-04	3.11E-02	9.30E-03	1.60E-01
5035	496363.09	3863377.25	7.42E-02	1.67E-04	2.22E-02	7.88E-03	1.05E-01	9.81E-02	1.60E+01	2.22E-01	4.03E-02	1.64E+01	9.52E-02	2.02E-04	2.22E-02	7.88E-03	1.26E-01
5036	496863.09	3863377.25	6.96E-02	1.58E-04	2.60E-02	7.41E-03	1.03E-01	9.20E-02	1.51E+01	2.60E-01	3.79E-02	1.55E+01	8.93E-02	1.91E-04	2.60E-02	7.41E-03	1.23E-01
5037	497363.09	3863377.25	6.70E-02	1.48E-04	3.10E-02	6.97E-03	1.05E-01	8.85E-02	1.42E+01	3.10E-01	3.56E-02	1.46E+01	8.59E-02	1.79E-04	3.10E-02	6.97E-03	1.24E-01
5038	497863.09	3863377.25	8.96E-02	1.33E-04	2.74E-02	6.44E-03	1.24E-01	1.18E-01	1.28E+01	2.74E-01	3.29E-02	1.32E+01	1.15E-01	1.62E-04	2.74E-02	6.44E-03	1.49E-01
5039	498363.09	3863377.25	1.06E-01	1.17E-04	2.22E-02	5.82E-03	1.34E-01	1.40E-01	1.12E+01	2.22E-01	2.97E-02	1.16E+01	1.36E-01	1.42E-04	2.22E-02	5.82E-03	1.64E-01
5040	471363.09	3863877.25	5.28E-02	4.58E-05	3.16E-02	4.03E-03	8.84E-02	6.98E-02	4.40E+00	3.16E-01	2.06E-02	4.80E+00	6.77E-02	5.55E-05	3.16E-02	4.03E-03	1.03E-01
5041	471863.09	3863877.25	5.30E-02	4.76E-05	3.34E-02	4.29E-03	9.07E-02	7.00E-02	4.56E+00	3.34E-01	2.19E-02	4.99E+00	6.79E-02	5.76E-05	3.34E-02	4.29E-03	1.06E-01
5042	472363.09	3863877.25	5.13E-02	4.95E-05	3.31E-02	4.46E-03	8.89E-02	6.77E-02	4.74E+00	3.31E-01	2.28E-02	5.16E+00	6.57E-02	5.99E-05	3.31E-02	4.46E-03	1.03E-01
5043	472863.09	3863877.25	4.80E-02	5.20E-05	3.01E-02	4.48E-03	8.26E-02	6.34E-02	4.99E+00	3.01E-01	2.29E-02	5.37E+00	6.15E-02	6.30E-05	3.01E-02	4.48E-03	9.62E-02
5044	473363.09	3863877.25	4.44E-02	5.55E-05	2.56E-02	4.31E-03	7.44E-02	5.86E-02	5.33E+00	2.56E-01	2.20E-02	5.66E+00	5.69E-02	6.73E-05	2.56E-02	4.31E-03	8.69E-02
5045	473863.09	3863877.25	4.61E-02	5.77E-05	2.03E-02	4.00E-03	7.04E-02	6.08E-02	5.53E+00	2.03E-01	2.04E-02	5.81E+00	5.91E-02	6.98E-05	2.03E-02	4.00E-03	8.34E-02
5046	474363.09	3863877.25	5.25E-02	5.78E-05	2.10E-02	4.38E-03	7.79E-02	6.93E-02	5.54E+00	2.10E-01	2.24E-02	5.84E+00	6.73E-02	7.00E-05	2.10E-02	4.38E-03	9.28E-02
5047	474863.09	3863877.25	5.53E-02	5.80E-05	2.12E-02	4.94E-03	8.15E-02	7.30E-02	5.56E+00	2.12E-01	2.52E-02	5.87E+00	7.09E-02	7.03E-05	2.12E-02	4.94E-03	9.71E-02
5048	475363.09	3863877.25	5.94E-02	6.10E-05	2.35E-02	4.38E-03	8.73E-02	7.84E-02	5.85E+00	2.35E-01	2.24E-02	6.19E+00	7.61E-02	7.39E-05	2.35E-02	4.38E-03	1.04E-01
5049	475863.09	3863877.25	6.06E-02	6.68E-05	3.43E-02	4.08E-03	9.90E-02	8.01E-02	6.41E+00	3.43E-01	2.08E-02	6.85E+00	7.77E-02	8.10E-05	3.43E-02	4.08E-03	1.16E-01
5050	476363.09	3863877.25	6.70E-02	7.03E-05	4.06E-02	4.21E-03	1.12E-01	8.85E-02	6.74E+00	4.06E-01	2.15E-02	7.25E+00	8.59E-02	8.51E-05	4.06E-02	4.21E-03	1.31E-01
5051	476863.09	3863877.25	7.61E-02	7.21E-05	4.10E-02	4.54E-03	1.22E-01	1.00E-01	6.92E+00	4.10E-01	2.32E-02	7.45E+00	9.75E-02	8.74E-05	4.10E-02	4.54E-03	1.43E-01
5052	477363.09	3863877.25	8.03E-02	7.58E-05	3.20E-02	5.00E-03	1.17E-01	1.06E-01	7.27E+00	3.20E-01	2.56E-02	7.72E+00	1.03E-01	9.18E-05	3.20E-02	5.00E-03	1.40E-01
5053	477863.09	3863877.25	8.44E-02	9.11E-05	2.14E-02	5.29E-03	1.11E-01	1.12E-01	8.74E+00	2.14E-01	2.70E-02	9.09E+00	1.08E-01	1.10E-04	2.14E-02	5.29E-03	1.35E-01
5054	478363.09	3863877.25	8.50E-02	8.69E-05	2.13E-02	7.15E-03	1.14E-01	1.12E-01	8.33E+00	2.13E-01	3.65E-02	8.69E+00	1.09E-01	1.05E-04	2.13E-02	7.15E-03	1.38E-01
5055	478863.09	3863877.25	7.72E-02	9.43E-05	2.25E-02	4.88E-03	1.05E-01	1.02E-01	9.04E+00	2.25E-01	2.49E-02	9.39E+00	9.90E-02	1.14E-04	2.25E-02	4.88E-03	1.26E-01
5056	479363.09	3863877.25	8.25E-02	9.24E-05	2.66E-02	4.84E-03	1.14E-01	1.09E-01	8.86E+00	2.66E-01	2.47E-02	9.26E+00	1.06E-01	1.12E-04	2.66E-02	4.84E-03	1.37E-01
5057	479863.09	3863877.25	9.17E-02	9.17E-05	2.78E-02	5.65E-03	1.25E-01	1.21E-01	8.79E+00	2.78E-01	2.89E-02	9.22E+00	1.17E-01	1.11E-04	2.78E-02	5.65E-03	1.51E-01
5058	480363.09	3863877.25	9.32E-02	1.07E-04	3.39E-02	5.55E-03	1.33E-01	1.23E-01	1.02E+01	3.39E-01	2.83E-02	1.07E+01	1.19E-01	1.29E-04	3.39E-02	5.55E-03	1.59E-01
5059	480863.09	3863877.25	8.39E-02	1.16E-04	4.18E-02	5.93E-03	1.32E-01	1.11E-01	1.11E+01	4.18E-01	3.03E-02	1.17E+01	1.08E-01	1.41E-04	4.18E-02	5.93E-03	1.55E-01

5060	481363.09	3863877.25	9.95E-02	1.18E-04	3.22E-02	6.31E-03	1.38E-01	1.31E-01	1.13E+01	3.22E-01	3.22E-02	1.18E+01	1.28E-01	1.43E-04	3.22E-02	6.31E-03	1.66E-01
5061	481863.09	3863877.25	1.15E-01	1.17E-04	2.59E-02	6.56E-03	1.47E-01	1.52E-01	1.12E+01	2.59E-01	3.35E-02	1.16E+01	1.47E-01	1.41E-04	2.59E-02	6.56E-03	1.80E-01
5062	482363.09	3863877.25	1.20E-01	1.18E-04	2.50E-02	6.45E-03	1.52E-01	1.59E-01	1.13E+01	2.50E-01	3.29E-02	1.17E+01	1.54E-01	1.43E-04	2.50E-02	6.45E-03	1.86E-01
5063	482863.09	3863877.25	1.15E-01	1.17E-04	2.57E-02	6.58E-03	1.48E-01	1.52E-01	1.12E+01	2.57E-01	3.36E-02	1.16E+01	1.48E-01	1.41E-04	2.57E-02	6.58E-03	1.80E-01
5064	483363.09	3863877.25	1.10E-01	1.30E-04	2.54E-02	7.46E-03	1.43E-01	1.45E-01	1.25E+01	2.54E-01	3.81E-02	1.29E+01	1.40E-01	1.57E-04	2.54E-02	7.46E-03	1.73E-01
5065	483863.09	3863877.25	1.06E-01	1.61E-04	2.11E-02	7.63E-03	1.35E-01	1.40E-01	1.54E+01	2.11E-01	3.90E-02	1.58E+01	1.36E-01	1.95E-04	2.11E-02	7.63E-03	1.65E-01
5066	484363.09	3863877.25	1.15E-01	1.73E-04	3.93E-02	7.84E-03	1.63E-01	1.53E-01	1.65E+01	3.93E-01	4.00E-02	1.71E+01	1.48E-01	2.09E-04	3.93E-02	7.84E-03	1.95E-01
5067	484863.09	3863877.25	1.06E-01	1.39E-04	4.71E-02	8.21E-03	1.62E-01	1.41E-01	1.33E+01	4.71E-01	4.19E-02	1.39E+01	1.37E-01	1.68E-04	4.71E-02	8.21E-03	1.92E-01
5068	485363.09	3863877.25	9.48E-02	1.36E-04	4.03E-02	7.03E-03	1.42E-01	1.25E-01	1.31E+01	4.03E-01	3.59E-02	1.36E+01	1.22E-01	1.65E-04	4.03E-02	7.03E-03	1.69E-01
5069	485863.09	3863877.25	9.44E-02	1.52E-04	1.83E-02	7.31E-03	1.20E-01	1.25E-01	1.46E+01	1.83E-01	3.73E-02	1.50E+01	1.21E-01	1.85E-04	1.83E-02	7.31E-03	1.47E-01
5070	486363.09	3863877.25	9.33E-02	1.68E-04	2.13E-02	5.47E-03	1.20E-01	1.23E-01	1.62E+01	2.13E-01	2.79E-02	1.65E+01	1.20E-01	2.04E-04	2.13E-02	5.47E-03	1.47E-01
5071	486863.09	3863877.25	1.16E-01	1.72E-04	4.08E-02	5.92E-03	1.63E-01	1.54E-01	1.65E+01	4.08E-01	3.02E-02	1.71E+01	1.49E-01	2.09E-04	4.08E-02	5.92E-03	1.96E-01
5072	487363.09	3863877.25	1.26E-01	1.79E-04	5.26E-02	8.51E-03	1.87E-01	1.66E-01	1.72E+01	5.26E-01	4.35E-02	1.79E+01	1.61E-01	2.17E-04	5.26E-02	8.51E-03	2.23E-01
5073	487863.09	3863877.25	1.11E-01	1.56E-04	4.13E-02	1.03E-02	1.62E-01	1.46E-01	1.50E+01	4.13E-01	5.27E-02	1.56E+01	1.42E-01	1.89E-04	4.13E-02	1.03E-02	1.94E-01
5074	488363.09	3863877.25	1.11E-01	1.68E-04	3.63E-02	6.14E-03	1.54E-01	1.47E-01	1.61E+01	3.63E-01	3.14E-02	1.66E+01	1.42E-01	2.03E-04	3.63E-02	6.14E-03	1.85E-01
5075	488863.09	3863877.25	1.05E-01	2.31E-04	2.02E-02	5.54E-03	1.31E-01	1.39E-01	2.22E+01	2.02E-01	2.83E-02	2.25E+01	1.35E-01	2.80E-04	2.02E-02	5.54E-03	1.60E-01
5076	489363.09	3863877.25	1.20E-01	2.07E-04	3.00E-02	6.33E-03	1.57E-01	1.59E-01	1.99E+01	3.00E-01	3.23E-02	2.04E+01	1.54E-01	2.51E-04	3.00E-02	6.33E-03	1.91E-01
5077	489863.09	3863877.25	1.04E-01	1.82E-04	1.85E-02	7.90E-03	1.31E-01	1.38E-01	1.75E+01	1.85E-01	4.03E-02	1.78E+01	1.34E-01	2.21E-04	1.85E-02	7.90E-03	1.60E-01
5078	490363.09	3863877.25	1.40E-01	1.93E-04	1.70E-02	8.99E-03	1.66E-01	1.85E-01	1.85E+01	1.70E-01	4.59E-02	1.89E+01	1.79E-01	2.34E-04	1.70E-02	8.99E-03	2.05E-01
5079	490863.09	3863877.25	1.49E-01	2.09E-04	2.34E-02	1.02E-02	1.83E-01	1.97E-01	2.00E+01	2.34E-01	5.20E-02	2.05E+01	1.91E-01	2.53E-04	2.34E-02	1.02E-02	2.25E-01
5080	491363.09	3863877.25	9.44E-02	2.06E-04	2.93E-02	1.00E-02	1.34E-01	1.25E-01	1.98E+01	2.93E-01	5.11E-02	2.02E+01	1.21E-01	2.50E-04	2.93E-02	1.00E-02	1.61E-01
5081	491863.09	3863877.25	1.04E-01	2.67E-04	3.65E-02	1.06E-02	1.52E-01	1.38E-01	2.56E+01	3.65E-01	5.42E-02	2.62E+01	1.33E-01	3.24E-04	3.65E-02	1.06E-02	1.81E-01
5082	492363.09	3863877.25	1.55E-01	2.83E-04	4.37E-02	1.20E-02	2.11E-01	2.05E-01	2.71E+01	4.37E-01	6.12E-02	2.78E+01	1.99E-01	3.42E-04	4.37E-02	1.20E-02	2.55E-01
5083	492863.09	3863877.25	1.19E-01	2.13E-04	3.51E-02	1.62E-02	1.70E-01	1.57E-01	2.05E+01	3.51E-01	8.28E-02	2.11E+01	1.52E-01	2.59E-04	3.51E-02	1.62E-02	2.04E-01
5084	493363.09	3863877.25	1.43E-01	2.09E-04	4.05E-02	1.30E-02	1.97E-01	1.89E-01	2.01E+01	4.05E-01	6.63E-02	2.07E+01	1.84E-01	2.53E-04	4.05E-02	1.30E-02	2.38E-01
5085	493863.09	3863877.25	1.68E-01	1.83E-04	2.95E-02	9.64E-03	2.07E-01	2.22E-01	1.76E+01	2.95E-01	4.93E-02	1.82E+01	2.16E-01	2.22E-04	2.95E-02	9.64E-03	2.55E-01
5086	494363.09	3863877.25	1.27E-01	1.40E-04	3.44E-02	1.03E-02	1.72E-01	1.68E-01	1.34E+01	3.44E-01	5.24E-02	1.39E+01	1.63E-01	1.69E-04	3.44E-02	1.03E-02	2.08E-01
5087	494863.09	3863877.25	1.39E-01	1.34E-04	4.74E-02	9.22E-03	1.95E-01	1.83E-01	1.29E+01	4.74E-01	4.71E-02	1.36E+01	1.78E-01	1.63E-04	4.74E-02	9.22E-03	2.34E-01
5088	495363.09	3863877.25	1.03E-01	1.73E-04	3.47E-02	9.61E-03	1.48E-01	1.36E-01	1.66E+01	3.47E-01	4.91E-02	1.71E+01	1.32E-01	2.09E-04	3.47E-02	9.61E-03	1.77E-01
5089	495863.09	3863877.25	9.53E-02	1.96E-04	2.64E-02	9.87E-03	1.32E-01	1.26E-01	1.88E+01	2.64E-01	5.04E-02	1.93E+01	1.22E-01	2.38E-04	2.64E-02	9.87E-03	1.59E-01
5090	496363.09	3863877.25	8.73E-02	1.90E-04	2.74E-02	9.61E-03	1.25E-01	1.15E-01	1.82E+01	2.74E-01	4.91E-02	1.87E+01	1.12E-01	2.30E-04	2.74E-02	9.61E-03	1.49E-01
5091	496863.09	3863877.25	7.11E-02	1.75E-04	2.29E-02	8.28E-03	1.03E-01	9.40E-02	1.67E+01	2.29E-01	4.23E-02	1.71E+01	9.12E-02	2.11E-04	2.29E-02	8.28E-03	1.23E-01
5092	497363.09	3863877.25	6.66E-02	1.48E-04	2.21E-02	7.51E-03	9.64E-02	8.80E-02	1.42E+01	2.21E-01	3.83E-02	1.45E+01	8.54E-02	1.79E-04	2.21E-02	7.51E-03	1.15E-01
5093	497863.09	3863877.25	6.29E-02	1.44E-04	2.91E-02	7.26E-03	9.94E-02	8.31E-02	1.38E+01	2.91E-01	3.71E-02	1.43E+01	8.07E-02	1.75E-04	2.91E-02	7.26E-03	1.17E-01
5094	498363.09	3863877.25	6.71E-02	1.36E-04	3.12E-02	6.81E-03	1.05E-01	8.86E-02	1.30E+01	3.12E-01	3.48E-02	1.35E+01	8.60E-02	1.64E-04	3.12E-02	6.81E-03	1.24E-01
5095	471363.09	3864377.25	4.86E-02	4.72E-05	3.07E-02	4.31E-03	8.37E-02	6.41E-02	4.52E+00	3.07E-01	2.20E-02	4.92E+00	6.23E-02	5.71E-05	3.07E-02	4.31E-03	9.74E-02
5096	471863.09	3864377.25	4.56E-02	4.95E-05	2.63E-02	4.31E-03	7.63E-02	6.03E-02	4.75E+00	2.63E-01	2.20E-02	5.09E+00	5.85E-02	6.00E-05	2.63E-02	4.31E-03	8.92E-02
5097	472363.09	3864377.25	4.13E-02	5.16E-05	2.07E-02	4.25E-03	6.64E-02	5.46E-02	4.95E+00	2.07E-01	2.17E-02	5.23E+00	5.30E-02	6.25E-05	2.07E-02	4.25E-03	7.80E-02
5098	472863.09	3864377.25	4.19E-02	5.33E-05	1.92E-02	4.02E-03	6.53E-02	5.54E-02	5.11E+00	1.92E-01	2.05E-02	5.38E+00	5.38E-02	6.45E-05	1.92E-02	4.02E-03	7.71E-02
5099	473363.09	3864377.25	4.62E-02	5.37E-05	1.98E-02	3.68E-03	6.97E-02	6.11E-02	5.15E+00	1.98E-01	1.88E-02	5.43E+00	5.93E-02	6.51E-05	1.98E-02	3.68E-03	8.28E-02
5100	473863.09	3864377.25	5.12E-02	5.23E-05	1.97E-02	4.58E-03	7.56E-02	6.77E-02	5.01E+00	1.97E-01	2.34E-02	5.30E+00	6.57E-02	6.33E-05	1.97E-02	4.58E-03	9.00E-02
5101	474363.09	3864377.25	5.37E-02	5.83E-05	2.47E-02	4.82E-03	8.34E-02	7.10E-02	5.59E+00	2.47E-01	2.46E-02	5.94E+00	6.89E-02	7.07E-05	2.47E-02	4.82E-03	9.85E-02
5102	474863.09	3864377.25	5.69E-02	6.33E-05	3.37E-02	4.34E-03	9.50E-02	7.51E-02	6.07E+00	3.37E-01	2.22E-02	6.51E+00	7.29E-02	7.67E-05	3.37E-02	4.34E-03	1.11E-01
5103	475363.09	3864377.25	5.77E-02	6.65E-05	4.05E-02	4.10E-03	1.02E-01	7.62E-02	6.37E+00	4.05E-01	2.09E-02	6.88E+00	7.39E-02	8.05E-05	4.05E-02	4.10E-03	1.19E-01
5104	475863.09	3864377.25	6.36E-02	6.79E-05	4.03E-02	4.17E-03	1.08E-01	8.41E-02	6.51E+00	4.03E-01	2.13E-02	7.02E+00	8.16E-02	8.23E-05	4.03E-02	4.17E-03	1.26E-01
5105	476363.09	3864377.25	7.18E-02	6.82E-05	3.41E-02	4.29E-03	1.10E-01	9.48E-02	6.54E+00	3.41E-01	2.19E-02	7.00E+00	9.20E-02	8.26E-05	3.41E-02	4.29E-03	1.30E-01
5106	476863.09	3864377.25	7.50E-02	7.26E-05	2.29E-02	4.75E-03	1.03E-01	9.91E-02	6.97E+00	2.29E-01	2.43E-02	7.32E+00	9.62E-02	8.80E-05	2.29E-02	4.75E-03	1.24E-01
5107	477363.09	3864377.25	7.72E-02	8.83E-05	2.05E-02	5.17E-03	1.03E-01	1.02E-01	8.46E+00	2.05E-01	2.64E-02	8.80E+00	9.90E-02	1.07E-04	2.05E-02	5.17E-03	1.25E-01
5108	477863.09	3864377.25	7.72E-02	9.52E-05	1.95E-02	5.25E-03	1.02E-01	1.02E-01	9.13E+00	1.95E-01	2.68E-02	9.45E+00	9.89E-02	1.15E-04	1.95E-02	5.25E-03	1.24E-01
5109	478363.09	3864377.25	7.14E-02	9.27E-05	2.33E-02	5.02E-03	9.98E-02	9.43E-02	8.89E+00	2.33E-01	2.56E-02	9.25E+00	9.16E-02	1.12E-04	2.33E-02	5.02E-03	1.20E-01
5110	478863.09	3864377.25	7.48E-02	8.74E-05	2.58E-02	4.82E-03	1.06E-01	9.89E-02	8.38E+00	2.58E-01	2.46E-02	8.77E+00	9.60E-02	1.06E-04	2.58E-02	4.82E-03	1.27E-01
5111	479363.09	3864377.25	8.44E-02	8.15E-05	2.56E-02	5.35E-03	1.15E-01	1.11E-01	7.82E+00	2.56E-01	2.73E-02	8.21E+00	1.08E-01	9.88E-05	2.56E-02	5.35E-03	1.39E-01
5112	479863.09	3864377.25	8.86E-02	9.62E-05	3.59E-02	5.64E-03	1.30E-01	1.17E-01	9.22E+00	3.59E-01	2.88E-02	9.73E+00	1.14E-01	1.16E-04	3.59E-02	5.64E-03	1.55E-01
5113	480363.09	3864377.25	8.18E-02	1.08E-04	3.98E-02	5.95E-03	1.28E-01	1.08E-01	1.04E+01	3.98E-01	3.04E-02	1.09E+01	1.05E-01	1.31E-04	3.98E-02	5.95E-03	1.51E-01
5114	480863.09	3864377.25	8.36E-02	1.15E-04	2.80E-02	6.16E-03	1.18E-01	1.10E-01	1.10E+01	2.80E-01	3.15E-02	1.14E+01	1.07E-01	1.39E-04	2.80E-02	6.16E-03	1.41E-01
5115	481363.09	3864377.25	1.02E-01	1.15E-04	2.38E-02	6.15E-03	1.32E-01	1.34E-01	1.10E+01	2.38E-01	3.14E-02	1.15E+01	1.30E-01	1.40E-04	2.38E-02	6.15E-03	1.60E-01
5116	481863.09	3864377.25	1.12E-01	1.12E-04	2.26E-02	5.74E-03	1.41E-01	1.48E-01	1.08E+01	2.26E-01	2.93E-02	1.12E+01	1.44E-01	1.36E-04	2.26E-02	5.74E-03	1.72E-01
5117	482363.09	3864377.25	1.12E-01	1.15E-04	2.38E-02	6.44E-03	1.42E-01	1.48E-01	1.10E+01	2.38E-01	3.29E-02	1.14E+01	1.44E-01	1.39E-04	2.38E-02	6.44E-03	1.74E-01
5118	482863.09	3864377.25	1.04E-01	1.14E-04	2.43E-02	7.22E-03	1.36E-01	1.37E-01	1.09E+01	2.43E-01	3.69E-02	1.13E+01	1.33E-01	1.38E-04	2.43E-02	7.22E-03	1.65E-01
5119	483363.09	3864377.25	1.02E-01	1.31E-04	2.17E-02	7.23E-03	1.31E-01	1.35E-01	1.26E+01	2.17E-01	3.69E-02	1.30E+01	1.31E-01	1.59E-04	2.17E-02	7.23E-03	1.60E-01
5120	483863.09	3864377.25	1.05E-01	1.46E-04	2.78E-02	7.31E-03	1.40E-01	1.38E-01	1.40E+01	2.78E-01	3.73E-02	1.44E+01	1.34E-01	1.77E-04	2.78E-02	7.31E-03	1.69E-01

5121	484363.09	3864377.25	1.10E-01	1.30E-04	4.60E-02	7.74E-03	1.64E-01	1.46E-01	1.25E+01	4.60E-01	3.95E-02	1.31E+01	1.41E-01	1.58E-04	4.60E-02	7.74E-03	1.95E-01
5122	484863.09	3864377.25	1.01E-01	1.23E-04	3.32E-02	7.16E-03	1.42E-01	1.34E-01	1.18E+01	3.32E-01	3.66E-02	1.23E+01	1.30E-01	1.49E-04	3.32E-02	7.16E-03	1.70E-01
5123	485363.09	3864377.25	9.13E-02	1.24E-04	3.38E-02	5.51E-03	1.31E-01	1.21E-01	1.19E+01	3.38E-01	2.82E-02	1.24E+01	1.17E-01	1.51E-04	3.38E-02	5.51E-03	1.57E-01
5124	485863.09	3864377.25	8.69E-02	1.49E-04	2.45E-02	7.25E-03	1.19E-01	1.15E-01	1.43E+01	2.45E-01	3.70E-02	1.47E+01	1.11E-01	1.81E-04	2.45E-02	7.25E-03	1.43E-01
5125	486363.09	3864377.25	8.53E-02	1.46E-04	2.29E-02	5.01E-03	1.13E-01	1.13E-01	1.40E+01	2.29E-01	2.56E-02	1.44E+01	1.09E-01	1.77E-04	2.29E-02	5.01E-03	1.37E-01
5126	486863.09	3864377.25	1.07E-01	1.39E-04	4.17E-02	6.39E-03	1.56E-01	1.42E-01	1.33E+01	4.17E-01	3.26E-02	1.39E+01	1.38E-01	1.68E-04	4.17E-02	6.39E-03	1.86E-01
5127	487363.09	3864377.25	1.19E-01	1.55E-04	4.97E-02	8.93E-03	1.78E-01	1.57E-01	1.49E+01	4.97E-01	4.56E-02	1.56E+01	1.53E-01	1.88E-04	4.97E-02	8.93E-03	2.12E-01
5128	487863.09	3864377.25	1.06E-01	1.51E-04	3.80E-02	9.68E-03	1.54E-01	1.40E-01	1.45E+01	3.80E-01	4.94E-02	1.51E+01	1.36E-01	1.83E-04	3.80E-02	9.68E-03	1.84E-01
5129	488363.09	3864377.25	1.06E-01	1.45E-04	3.56E-02	5.66E-03	1.47E-01	1.40E-01	1.39E+01	3.56E-01	2.89E-02	1.44E+01	1.36E-01	1.75E-04	3.56E-02	5.66E-03	1.77E-01
5130	488863.09	3864377.25	9.08E-02	2.00E-04	2.07E-02	5.19E-03	1.17E-01	1.20E-01	1.92E+01	2.07E-01	2.65E-02	1.95E+01	1.16E-01	2.42E-04	2.07E-02	5.19E-03	1.43E-01
5131	489363.09	3864377.25	1.13E-01	1.96E-04	2.81E-02	5.85E-03	1.47E-01	1.49E-01	1.88E+01	2.81E-01	2.99E-02	1.92E+01	1.45E-01	2.37E-04	2.81E-02	5.85E-03	1.79E-01
5132	489863.09	3864377.25	9.77E-02	1.55E-04	2.21E-02	6.97E-03	1.27E-01	1.29E-01	1.49E+01	2.21E-01	3.56E-02	1.53E+01	1.25E-01	1.88E-04	2.21E-02	6.97E-03	1.54E-01
5133	490363.09	3864377.25	1.13E-01	1.63E-04	1.41E-02	8.33E-03	1.36E-01	1.50E-01	1.56E+01	1.41E-01	4.26E-02	1.59E+01	1.45E-01	1.97E-04	1.41E-02	8.33E-03	1.68E-01
5134	490863.09	3864377.25	1.44E-01	1.79E-04	1.82E-02	8.95E-03	1.71E-01	1.90E-01	1.72E+01	1.82E-01	4.57E-02	1.76E+01	1.84E-01	2.17E-04	1.82E-02	8.95E-03	2.12E-01
5135	491363.09	3864377.25	1.30E-01	1.84E-04	2.74E-02	1.09E-02	1.68E-01	1.72E-01	1.76E+01	2.74E-01	5.57E-02	1.81E+01	1.67E-01	2.22E-04	2.74E-02	1.09E-02	2.05E-01
5136	491863.09	3864377.25	1.00E-01	5.21E-05	2.76E-02	1.62E-02	1.44E-01	1.32E-01	4.99E+00	2.76E-01	8.28E-02	5.49E+00	1.28E-01	6.31E-05	2.76E-02	1.62E-02	1.72E-01
5137	492363.09	3864377.25	1.35E-01	1.93E-04	4.05E-02	2.55E-02	2.01E-01	1.78E-01	1.85E+01	4.05E-01	1.30E-01	1.92E+01	1.73E-01	2.33E-04	4.05E-02	2.55E-02	2.39E-01
5138	492863.09	3864377.25	1.81E-01	8.47E-05	1.05E-01	2.02E-02	3.06E-01	2.40E-01	8.13E+00	1.05E+00	1.03E-01	9.52E+00	2.33E-01	1.03E-04	1.05E-01	2.02E-02	3.57E-01
5139	493363.09	3864377.25	1.33E-01	1.62E-04	1.24E-01	2.05E-02	2.78E-01	1.76E-01	1.55E+01	1.24E+00	1.05E-01	1.71E+01	1.71E-01	1.96E-04	1.24E-01	2.05E-02	3.15E-01
5140	493863.09	3864377.25	1.46E-01	1.64E-04	4.19E-02	1.53E-02	2.03E-01	1.92E-01	1.58E+01	4.19E-01	7.82E-02	1.64E+01	1.87E-01	1.99E-04	4.19E-02	1.53E-02	2.44E-01
5141	494363.09	3864377.25	1.55E-01	1.70E-04	2.78E-02	9.10E-03	1.92E-01	2.04E-01	1.63E+01	2.78E-01	4.65E-02	1.68E+01	1.98E-01	2.06E-04	2.78E-02	9.10E-03	2.35E-01
5142	494863.09	3864377.25	1.22E-01	1.40E-04	3.20E-02	9.53E-03	1.63E-01	1.61E-01	1.34E+01	3.20E-01	4.87E-02	1.40E+01	1.56E-01	1.70E-04	3.20E-02	9.53E-03	1.98E-01
5143	495363.09	3864377.25	1.31E-01	1.19E-04	4.56E-02	9.39E-03	1.86E-01	1.72E-01	1.14E+01	4.56E-01	4.80E-02	1.21E+01	1.67E-01	1.44E-04	4.56E-02	9.39E-03	2.23E-01
5144	495863.09	3864377.25	1.08E-01	1.29E-04	3.72E-02	8.54E-03	1.54E-01	1.43E-01	1.24E+01	3.72E-01	4.36E-02	1.30E+01	1.39E-01	1.57E-04	3.72E-02	8.54E-03	1.84E-01
5145	496363.09	3864377.25	8.67E-02	1.63E-04	2.23E-02	9.28E-03	1.18E-01	1.15E-01	1.56E+01	2.23E-01	4.74E-02	1.60E+01	1.11E-01	1.98E-04	2.23E-02	9.28E-03	1.43E-01
5146	496863.09	3864377.25	8.26E-02	1.79E-04	2.62E-02	1.00E-02	1.19E-01	1.09E-01	1.71E+01	2.62E-01	5.12E-02	1.76E+01	1.06E-01	2.17E-04	2.62E-02	1.00E-02	1.42E-01
5147	497363.09	3864377.25	7.20E-02	1.72E-04	2.41E-02	9.22E-03	1.06E-01	9.51E-02	1.65E+01	2.41E-01	4.71E-02	1.68E+01	9.23E-02	2.08E-04	2.41E-02	9.22E-03	1.26E-01
5148	497863.09	3864377.25	6.51E-02	1.57E-04	2.02E-02	8.90E-03	9.43E-02	8.60E-02	1.51E+01	2.02E-01	4.55E-02	1.54E+01	8.34E-02	1.91E-04	2.02E-02	8.90E-03	1.13E-01
5149	498363.09	3864377.25	6.09E-02	1.33E-04	2.38E-02	7.27E-03	9.21E-02	8.04E-02	1.28E+01	2.38E-01	3.71E-02	1.31E+01	7.80E-02	1.61E-04	2.38E-02	7.27E-03	1.09E-01
5150	471363.09	3864877.25	3.95E-02	4.87E-05	1.76E-02	4.15E-03	6.14E-02	5.22E-02	4.67E+00	1.76E-01	2.12E-02	4.92E+00	5.07E-02	5.90E-05	1.76E-02	4.15E-03	7.25E-02
5151	471863.09	3864877.25	3.99E-02	4.87E-05	1.83E-02	4.03E-03	6.22E-02	5.27E-02	4.67E+00	1.83E-01	2.06E-02	4.93E+00	5.11E-02	5.91E-05	1.83E-02	4.03E-03	7.35E-02
5152	472363.09	3864877.25	3.98E-02	4.84E-05	1.85E-02	3.78E-03	6.21E-02	5.26E-02	4.64E+00	1.85E-01	1.93E-02	4.90E+00	5.10E-02	5.86E-05	1.85E-02	3.78E-03	7.34E-02
5153	472863.09	3864877.25	4.62E-02	5.01E-05	1.83E-02	3.79E-03	6.83E-02	6.10E-02	4.81E+00	1.83E-01	1.94E-02	5.07E+00	5.92E-02	6.08E-05	1.83E-02	3.79E-03	8.13E-02
5154	473363.09	3864877.25	5.00E-02	5.58E-05	2.51E-02	4.66E-03	7.98E-02	6.60E-02	5.35E+00	2.51E-01	2.38E-02	5.69E+00	6.41E-02	6.76E-05	2.51E-02	4.66E-03	9.39E-02
5155	473863.09	3864877.25	5.21E-02	6.00E-05	3.24E-02	4.80E-03	8.94E-02	6.89E-02	5.75E+00	3.24E-01	2.45E-02	6.17E+00	6.69E-02	7.27E-05	3.24E-02	4.80E-03	1.04E-01
5156	474363.09	3864877.25	5.46E-02	6.27E-05	3.78E-02	4.36E-03	9.69E-02	7.22E-02	6.01E+00	3.78E-01	2.23E-02	6.48E+00	7.00E-02	7.59E-05	3.78E-02	4.36E-03	1.12E-01
5157	474863.09	3864877.25	5.45E-02	6.39E-05	3.79E-02	4.23E-03	9.67E-02	7.20E-02	6.13E+00	3.79E-01	2.16E-02	6.60E+00	6.99E-02	7.74E-05	3.79E-02	4.23E-03	1.12E-01
5158	475363.09	3864877.25	6.05E-02	6.43E-05	3.23E-02	4.04E-03	9.69E-02	8.00E-02	6.16E+00	3.23E-01	2.06E-02	6.59E+00	7.76E-02	7.79E-05	3.23E-02	4.04E-03	1.14E-01
5159	475863.09	3864877.25	6.74E-02	6.47E-05	2.24E-02	4.09E-03	9.40E-02	8.90E-02	6.21E+00	2.24E-01	2.09E-02	6.54E+00	8.64E-02	7.84E-05	2.24E-02	4.09E-03	1.13E-01
5160	476363.09	3864877.25	6.97E-02	6.93E-05	1.91E-02	4.55E-03	9.34E-02	9.20E-02	6.65E+00	1.91E-01	2.32E-02	6.95E+00	8.93E-02	8.40E-05	1.91E-02	4.55E-03	1.13E-01
5161	476863.09	3864877.25	7.12E-02	8.24E-05	1.88E-02	4.98E-03	9.51E-02	9.40E-02	7.91E+00	1.88E-01	2.55E-02	8.21E+00	9.12E-02	9.99E-05	1.88E-02	4.98E-03	1.15E-01
5162	477363.09	3864877.25	7.17E-02	8.99E-05	2.02E-02	5.18E-03	9.72E-02	9.46E-02	8.62E+00	2.02E-01	2.65E-02	8.95E+00	9.19E-02	1.09E-04	2.02E-02	5.18E-03	1.17E-01
5163	477863.09	3864877.25	6.78E-02	8.62E-05	2.31E-02	5.05E-03	9.61E-02	8.96E-02	8.27E+00	2.31E-01	2.58E-02	8.61E+00	8.69E-02	1.04E-04	2.31E-02	5.05E-03	1.15E-01
5164	478363.09	3864877.25	6.87E-02	7.92E-05	2.44E-02	5.13E-03	9.83E-02	9.08E-02	7.60E+00	2.44E-01	2.62E-02	7.96E+00	8.81E-02	9.60E-05	2.44E-02	5.13E-03	1.18E-01
5165	478863.09	3864877.25	7.72E-02	7.24E-05	2.58E-02	5.37E-03	1.08E-01	1.02E-01	6.94E+00	2.58E-01	2.74E-02	7.33E+00	9.90E-02	8.77E-05	2.58E-02	5.37E-03	1.30E-01
5166	479363.09	3864877.25	8.32E-02	8.74E-05	3.56E-02	5.64E-03	1.25E-01	1.10E-01	8.38E+00	3.56E-01	2.88E-02	8.88E+00	1.07E-01	1.06E-04	3.56E-02	5.64E-03	1.48E-01
5167	479863.09	3864877.25	7.89E-02	9.98E-05	3.55E-02	5.82E-03	1.20E-01	1.04E-01	9.57E+00	3.55E-01	2.97E-02	1.01E+01	1.01E-01	1.21E-04	3.55E-02	5.82E-03	1.43E-01
5168	480363.09	3864877.25	7.09E-02	1.10E-04	2.47E-02	5.89E-03	1.02E-01	9.37E-02	1.06E+01	2.47E-01	3.01E-02	1.09E+01	9.09E-02	1.33E-04	2.47E-02	5.89E-03	1.22E-01
5169	480863.09	3864877.25	8.73E-02	1.15E-04	2.20E-02	5.64E-03	1.15E-01	1.15E-01	1.10E+01	2.20E-01	2.88E-02	1.14E+01	1.12E-01	1.39E-04	2.20E-02	5.64E-03	1.40E-01
5170	481363.09	3864877.25	1.02E-01	1.12E-04	2.07E-02	5.37E-03	1.28E-01	1.35E-01	1.07E+01	2.07E-01	2.74E-02	1.11E+01	1.31E-01	1.35E-04	2.07E-02	5.37E-03	1.57E-01
5171	481863.09	3864877.25	1.07E-01	1.10E-04	2.17E-02	6.29E-03	1.36E-01	1.42E-01	1.06E+01	2.17E-01	3.21E-02	1.10E+01	1.38E-01	1.34E-04	2.17E-02	6.29E-03	1.66E-01
5172	482363.09	3864877.25	9.99E-02	1.03E-04	2.30E-02	6.93E-03	1.30E-01	1.32E-01	9.91E+00	2.30E-01	3.54E-02	1.03E+01	1.28E-01	1.25E-04	2.30E-02	6.93E-03	1.58E-01
5173	482863.09	3864877.25	9.86E-02	1.10E-04	2.17E-02	6.87E-03	1.27E-01	1.30E-01	1.06E+01	2.17E-01	3.51E-02	1.09E+01	1.26E-01	1.33E-04	2.17E-02	6.87E-03	1.55E-01
5174	483363.09	3864877.25	9.30E-02	1.20E-04	1.86E-02	6.83E-03	1.19E-01	1.23E-01	1.15E+01	1.86E-01	3.49E-02	1.18E+01	1.19E-01	1.45E-04	1.86E-02	6.83E-03	1.45E-01
5175	483863.09	3864877.25	1.03E-01	1.17E-04	3.87E-02	7.22E-03	1.49E-01	1.36E-01	1.12E+01	3.87E-01	3.69E-02	1.18E+01	1.32E-01	1.42E-04	3.87E-02	7.22E-03	1.78E-01
5176	484363.09	3864877.25	1.06E-01	9.76E-05	4.02E-02	7.08E-03	1.53E-01	1.40E-01	9.36E+00	4.02E-01	3.62E-02	9.94E+00	1.36E-01	1.18E-04	4.02E-02	7.08E-03	1.83E-01
5177	484863.09	3864877.25	9.75E-02	1.22E-04	3.91E-02	5.49E-03	1.42E-01	1.29E-01	1.17E+01	3.91E-01	2.81E-02	1.22E+01	1.25E-01	1.48E-04	3.91E-02	5.49E-03	1.70E-01
5178	485363.09	3864877.25	8.89E-02	1.28E-04	2.23E-02	7.22E-03	1.19E-01	1.17E-01	1.23E+01	2.23E-01	3.69E-02	1.26E+01	1.14E-01	1.55E-04	2.23E-02	7.22E-03	1.44E-01
5179	485863.09	3864877.25	8.03E-02	1.31E-04	2.87E-02	5.10E-03	1.14E-01	1.06E-01	1.26E+01	2.87E-01	2.61E-02	1.30E+01	1.03E-01	1.59E-04	2.87E-02	5.10E-03	1.37E-01
5180	486363.09	3864877.25	7.77E-02	1.36E-04	2.55E-02	5.15E-03	1.08E-01	1.03E-01	1.31E+01	2.55E-01	2.63E-02	1.35E+01	9.96E-02	1.65E-04	2.55E-02	5.15E-03	1.30E-01
5181	486863.09	3864877.25	9.84E-02	1.26E-04	4.17E-02	6.80E-03	1.47E-01	1.30E-01	1.21E+01	4.17E-01	3.48E-02	1.27E+01	1.26E-01	1.53E-04	4.17E-02	6.80E-03	1.75E-01

5182	487363.09	3864877.25	1.13E-01	1.30E-04	4.66E-02	9.02E-03	1.69E-01	1.49E-01	1.25E+01	4.66E-01	4.61E-02	1.32E+01	1.45E-01	1.58E-04	4.66E-02	9.02E-03	2.00E-01
5183	487863.09	3864877.25	1.03E-01	1.44E-04	3.49E-02	8.98E-03	1.47E-01	1.36E-01	1.39E+01	3.49E-01	4.59E-02	1.44E+01	1.32E-01	1.75E-04	3.49E-02	8.98E-03	1.76E-01
5184	488363.09	3864877.25	9.87E-02	1.33E-04	3.59E-02	5.92E-03	1.41E-01	1.30E-01	1.28E+01	3.59E-01	3.03E-02	1.33E+01	1.27E-01	1.61E-04	3.59E-02	5.92E-03	1.69E-01
5185	488863.09	3864877.25	9.56E-02	1.73E-04	2.21E-02	4.71E-03	1.23E-01	1.26E-01	1.66E+01	2.21E-01	2.40E-02	1.70E+01	1.23E-01	2.10E-04	2.21E-02	4.71E-03	1.50E-01
5186	489363.09	3864877.25	9.77E-02	1.82E-04	2.54E-02	5.61E-03	1.29E-01	1.29E-01	1.75E+01	2.54E-01	2.87E-02	1.79E+01	1.25E-01	2.21E-04	2.54E-02	5.61E-03	1.56E-01
5187	489863.09	3864877.25	1.04E-01	1.33E-04	2.64E-02	6.27E-03	1.37E-01	1.37E-01	1.27E+01	2.64E-01	3.20E-02	1.31E+01	1.33E-01	1.61E-04	2.64E-02	6.27E-03	1.66E-01
5188	490363.09	3864877.25	8.77E-02	1.43E-04	1.64E-02	7.49E-03	1.12E-01	1.16E-01	1.37E+01	1.64E-01	3.83E-02	1.40E+01	1.12E-01	1.73E-04	1.64E-02	7.49E-03	1.37E-01
5189	490863.09	3864877.25	1.21E-01	1.53E-04	1.75E-02	8.39E-03	1.47E-01	1.60E-01	1.46E+01	1.75E-01	4.28E-02	1.50E+01	1.55E-01	1.85E-04	1.75E-02	8.39E-03	1.81E-01
5190	491363.09	3864877.25	1.41E-01	1.63E-04	2.23E-02	1.00E-02	1.74E-01	1.87E-01	1.56E+01	2.23E-01	5.13E-02	1.60E+01	1.81E-01	1.97E-04	2.23E-02	1.00E-02	2.14E-01
5191	491863.09	3864877.25	1.04E-01	1.55E-04	2.77E-02	1.15E-02	1.43E-01	1.37E-01	1.49E+01	2.77E-01	5.86E-02	1.54E+01	1.33E-01	1.88E-04	2.77E-02	1.15E-02	1.72E-01
5192	492363.09	3864877.25	6.27E-02	3.17E-05	2.44E-02	8.67E-03	9.58E-02	8.29E-02	3.04E+00	2.44E-01	4.43E-02	3.41E+00	8.04E-02	3.84E-05	2.44E-02	8.67E-03	1.14E-01
5193	492863.09	3864877.25	8.53E-02	4.41E-05	3.68E-02	9.82E-03	1.32E-01	1.13E-01	4.23E+00	3.68E-01	5.01E-02	4.76E+00	1.09E-01	5.34E-05	3.68E-02	9.82E-03	1.56E-01
5194	493363.09	3864877.25	1.13E-01	5.82E-05	5.04E-02	1.18E-02	1.75E-01	1.49E-01	5.58E+00	5.04E-01	6.02E-02	6.29E+00	1.45E-01	7.05E-05	5.04E-02	1.18E-02	2.07E-01
5195	493863.09	3864877.25	1.24E-01	1.62E-04	9.02E-02	1.87E-02	2.33E-01	1.63E-01	1.56E+01	9.02E-01	9.56E-02	1.67E+01	1.59E-01	1.97E-04	9.02E-02	1.87E-02	2.68E-01
5196	494363.09	3864877.25	1.29E-01	1.54E-04	3.71E-02	1.52E-02	1.81E-01	1.70E-01	1.48E+01	3.71E-01	7.79E-02	1.54E+01	1.65E-01	1.87E-04	3.71E-02	1.52E-02	2.18E-01
5197	494863.09	3864877.25	1.42E-01	1.62E-04	2.64E-02	8.83E-03	1.78E-01	1.88E-01	1.56E+01	2.64E-01	4.51E-02	1.61E+01	1.83E-01	1.97E-04	2.64E-02	8.83E-03	2.18E-01
5198	495363.09	3864877.25	1.16E-01	1.39E-04	3.00E-02	8.58E-03	1.55E-01	1.53E-01	1.33E+01	3.00E-01	4.38E-02	1.38E+01	1.49E-01	1.68E-04	3.00E-02	8.58E-03	1.87E-01
5199	495863.09	3864877.25	1.19E-01	1.11E-04	4.57E-02	9.31E-03	1.75E-01	1.58E-01	1.07E+01	4.57E-01	4.75E-02	1.13E+01	1.53E-01	1.35E-04	4.57E-02	9.31E-03	2.08E-01
5200	496363.09	3864877.25	1.10E-01	1.09E-04	3.86E-02	8.15E-03	1.57E-01	1.46E-01	1.05E+01	3.86E-01	4.16E-02	1.11E+01	1.42E-01	1.32E-04	3.86E-02	8.15E-03	1.88E-01
5201	496863.09	3864877.25	7.95E-02	1.25E-04	2.21E-02	8.39E-03	1.10E-01	1.05E-01	1.20E+01	2.21E-01	4.29E-02	1.24E+01	1.02E-01	1.52E-04	2.21E-02	8.39E-03	1.33E-01
5202	497363.09	3864877.25	7.70E-02	1.54E-04	2.36E-02	9.36E-03	1.10E-01	1.02E-01	1.48E+01	2.36E-01	4.78E-02	1.52E+01	9.87E-02	1.87E-04	2.36E-02	9.36E-03	1.32E-01
5203	497863.09	3864877.25	7.07E-02	1.66E-04	2.50E-02	1.05E-02	1.06E-01	9.34E-02	1.60E+01	2.50E-01	5.35E-02	1.64E+01	9.07E-02	2.02E-04	2.50E-02	1.05E-02	1.26E-01
5204	498363.09	3864877.25	5.82E-02	1.56E-04	2.10E-02	9.72E-03	8.91E-02	7.69E-02	1.49E+01	2.10E-01	4.97E-02	1.53E+01	7.46E-02	1.89E-04	2.10E-02	9.72E-03	1.05E-01
5205	471363.09	3865377.25	3.81E-02	4.38E-05	1.75E-02	3.83E-03	5.94E-02	5.03E-02	4.20E+00	1.75E-01	1.96E-02	4.44E+00	4.88E-02	5.30E-05	1.75E-02	3.83E-03	7.02E-02
5206	471863.09	3865377.25	3.97E-02	4.85E-05	1.71E-02	4.04E-03	6.10E-02	5.25E-02	4.65E+00	1.71E-01	2.06E-02	4.90E+00	5.09E-02	5.88E-05	1.71E-02	4.04E-03	7.22E-02
5207	472363.09	3865377.25	4.57E-02	5.33E-05	2.48E-02	4.26E-03	7.49E-02	6.04E-02	5.12E+00	2.48E-01	2.17E-02	5.45E+00	5.86E-02	6.46E-05	2.48E-02	4.26E-03	8.78E-02
5208	472863.09	3865377.25	4.89E-02	5.70E-05	3.22E-02	4.58E-03	8.57E-02	6.46E-02	5.46E+00	3.22E-01	2.34E-02	5.87E+00	6.27E-02	6.90E-05	3.22E-02	4.58E-03	9.95E-02
5209	473363.09	3865377.25	5.07E-02	5.92E-05	3.64E-02	4.63E-03	9.18E-02	6.69E-02	5.68E+00	3.64E-01	2.36E-02	6.14E+00	6.49E-02	7.18E-05	3.64E-02	4.63E-03	1.06E-01
5210	473863.09	3865377.25	5.22E-02	6.02E-05	3.59E-02	4.14E-03	9.23E-02	6.90E-02	5.78E+00	3.59E-01	2.11E-02	6.22E+00	6.70E-02	7.30E-05	3.59E-02	4.14E-03	1.07E-01
5211	474363.09	3865377.25	5.14E-02	6.06E-05	3.11E-02	3.88E-03	8.64E-02	6.79E-02	5.81E+00	3.11E-01	1.98E-02	6.21E+00	6.59E-02	7.34E-05	3.11E-02	3.88E-03	1.01E-01
5212	474863.09	3865377.25	5.76E-02	6.08E-05	2.34E-02	3.89E-03	8.49E-02	7.61E-02	5.83E+00	2.34E-01	1.99E-02	6.16E+00	7.38E-02	7.36E-05	2.34E-02	3.89E-03	1.01E-01
5213	475363.09	3865377.25	6.33E-02	6.28E-05	1.78E-02	3.86E-03	8.51E-02	8.37E-02	6.03E+00	1.78E-01	1.97E-02	6.31E+00	8.12E-02	7.61E-05	1.78E-02	3.86E-03	1.03E-01
5214	475863.09	3865377.25	6.48E-02	6.62E-05	1.77E-02	4.30E-03	8.68E-02	8.56E-02	6.35E+00	1.77E-01	2.19E-02	6.63E+00	8.30E-02	8.02E-05	1.77E-02	4.30E-03	1.05E-01
5215	476363.09	3865377.25	6.59E-02	7.70E-05	1.77E-02	4.76E-03	8.85E-02	8.70E-02	7.39E+00	1.77E-01	2.43E-02	7.68E+00	8.45E-02	9.33E-05	1.77E-02	4.76E-03	1.07E-01
5216	476863.09	3865377.25	6.85E-02	7.82E-05	2.39E-02	4.96E-03	9.75E-02	9.05E-02	7.50E+00	2.39E-01	2.54E-02	7.85E+00	8.79E-02	9.47E-05	2.39E-02	4.96E-03	1.17E-01
5217	477363.09	3865377.25	6.54E-02	7.96E-05	2.32E-02	5.03E-03	9.37E-02	8.64E-02	7.64E+00	2.32E-01	2.57E-02	7.98E+00	8.38E-02	9.65E-05	2.32E-02	5.03E-03	1.12E-01
5218	477863.09	3865377.25	6.43E-02	7.05E-05	2.30E-02	5.09E-03	9.25E-02	8.50E-02	6.76E+00	2.30E-01	2.60E-02	7.10E+00	8.25E-02	8.54E-05	2.30E-02	5.09E-03	1.11E-01
5219	478363.09	3865377.25	7.11E-02	6.63E-05	2.84E-02	5.38E-03	1.05E-01	9.39E-02	6.36E+00	2.84E-01	2.75E-02	6.76E+00	9.11E-02	8.03E-05	2.84E-02	5.38E-03	1.25E-01
5220	478863.09	3865377.25	7.78E-02	7.88E-05	3.51E-02	5.54E-03	1.19E-01	1.03E-01	7.56E+00	3.51E-01	2.83E-02	8.04E+00	9.98E-02	9.55E-05	3.51E-02	5.54E-03	1.40E-01
5221	479363.09	3865377.25	7.61E-02	9.19E-05	3.24E-02	5.59E-03	1.14E-01	1.01E-01	8.81E+00	3.24E-01	2.86E-02	9.27E+00	9.76E-02	1.11E-04	3.24E-02	5.59E-03	1.36E-01
5222	479863.09	3865377.25	6.17E-02	1.04E-04	2.28E-02	5.50E-03	9.01E-02	8.15E-02	9.99E+00	2.28E-01	2.81E-02	1.03E+01	7.91E-02	1.26E-04	2.28E-02	5.50E-03	1.08E-01
5223	480363.09	3865377.25	7.44E-02	1.12E-04	2.04E-02	5.08E-03	1.00E-01	9.82E-02	1.08E+01	2.04E-01	2.59E-02	1.11E+01	9.53E-02	1.36E-04	2.04E-02	5.08E-03	1.21E-01
5224	480863.09	3865377.25	8.98E-02	1.11E-04	1.90E-02	5.44E-03	1.14E-01	1.19E-01	1.06E+01	1.90E-01	2.78E-02	1.10E+01	1.15E-01	1.34E-04	1.90E-02	5.44E-03	1.40E-01
5225	481363.09	3865377.25	1.01E-01	1.03E-04	2.02E-02	6.20E-03	1.27E-01	1.33E-01	9.92E+00	2.02E-01	3.17E-02	1.03E+01	1.29E-01	1.25E-04	2.02E-02	6.20E-03	1.56E-01
5226	481863.09	3865377.25	1.00E-01	9.90E-05	2.16E-02	6.63E-03	1.28E-01	1.32E-01	9.49E+00	2.16E-01	3.39E-02	9.88E+00	1.28E-01	1.20E-04	2.16E-02	6.63E-03	1.57E-01
5227	482363.09	3865377.25	9.24E-02	9.60E-05	2.10E-02	6.51E-03	1.20E-01	1.22E-01	9.21E+00	2.10E-01	3.33E-02	9.58E+00	1.18E-01	1.16E-04	2.10E-02	6.51E-03	1.46E-01
5228	482863.09	3865377.25	9.29E-02	9.91E-05	1.69E-02	6.39E-03	1.16E-01	1.23E-01	9.50E+00	1.69E-01	3.26E-02	9.83E+00	1.19E-01	1.20E-04	1.69E-02	6.39E-03	1.43E-01
5229	483363.09	3865377.25	8.28E-02	1.00E-04	2.99E-02	6.76E-03	1.20E-01	1.09E-01	9.64E+00	2.99E-01	3.45E-02	1.01E+01	1.06E-01	1.22E-04	2.99E-02	6.76E-03	1.43E-01
5230	483863.09	3865377.25	1.01E-01	9.15E-05	4.08E-02	6.84E-03	1.48E-01	1.33E-01	8.77E+00	4.08E-01	3.49E-02	9.35E+00	1.29E-01	1.11E-04	4.08E-02	6.84E-03	1.77E-01
5231	484363.09	3865377.25	1.02E-01	1.07E-04	3.18E-02	5.74E-03	1.40E-01	1.35E-01	1.02E+01	3.18E-01	2.93E-02	1.07E+01	1.31E-01	1.29E-04	3.18E-02	5.74E-03	1.69E-01
5232	484863.09	3865377.25	9.46E-02	1.11E-04	3.51E-02	6.01E-03	1.36E-01	1.25E-01	1.06E+01	3.51E-01	3.07E-02	1.11E+01	1.21E-01	1.34E-04	3.51E-02	6.01E-03	1.62E-01
5233	485363.09	3865377.25	8.60E-02	1.21E-04	2.15E-02	6.53E-03	1.14E-01	1.14E-01	1.16E+01	2.15E-01	3.34E-02	1.20E+01	1.10E-01	1.46E-04	2.15E-02	6.53E-03	1.38E-01
5234	485863.09	3865377.25	7.43E-02	1.17E-04	2.74E-02	5.36E-03	1.07E-01	9.82E-02	1.12E+01	2.74E-01	2.74E-02	1.16E+01	9.53E-02	1.42E-04	2.74E-02	5.36E-03	1.28E-01
5235	486363.09	3865377.25	7.08E-02	1.20E-04	2.76E-02	5.36E-03	1.04E-01	9.36E-02	1.15E+01	2.76E-01	2.74E-02	1.19E+01	9.08E-02	1.45E-04	2.76E-02	5.36E-03	1.24E-01
5236	486863.09	3865377.25	9.10E-02	1.16E-04	4.13E-02	7.14E-03	1.40E-01	1.20E-01	1.11E+01	4.13E-01	3.65E-02	1.17E+01	1.17E-01	1.40E-04	4.13E-02	7.14E-03	1.65E-01
5237	487363.09	3865377.25	1.07E-01	1.24E-04	4.37E-02	8.94E-03	1.60E-01	1.42E-01	1.19E+01	4.37E-01	4.57E-02	1.25E+01	1.37E-01	1.50E-04	4.37E-02	8.94E-03	1.90E-01
5238	487863.09	3865377.25	1.01E-01	1.34E-04	3.22E-02	8.33E-03	1.41E-01	1.33E-01	1.29E+01	3.22E-01	4.26E-02	1.34E+01	1.29E-01	1.63E-04	3.22E-02	8.33E-03	1.70E-01
5239	488363.09	3865377.25	8.99E-02	1.28E-04	3.59E-02	6.08E-03	1.32E-01	1.19E-01	1.23E+01	3.59E-01	3.10E-02	1.28E+01	1.15E-01	1.55E-04	3.59E-02	6.08E-03	1.57E-01
5240	488863.09	3865377.25	9.63E-02	1.54E-04	2.33E-02	4.80E-03	1.25E-01	1.27E-01	1.47E+01	2.33E-01	2.45E-02	1.51E+01	1.23E-01	1.86E-04	2.33E-02	4.80E-03	1.52E-01
5241	489363.09	3865377.25	8.04E-02	1.68E-04	2.25E-02	5.46E-03	1.09E-01	1.06E-01	1.61E+01	2.25E-01	2.79E-02	1.64E+01	1.03E-01	2.03E-04	2.25E-02	5.46E-03	1.31E-01
5242	489863.09	3865377.25	1.02E-01	1.31E-04	2.81E-02	5.83E-03	1.36E-01	1.34E-01	1.26E+01	2.81E-01	2.98E-02	1.30E+01	1.30E-01	1.59E-04	2.81E-02	5.83E-03	1.64E-01

5243	490363.09	3865377.25	8.72E-02	1.27E-04	2.16E-02	6.83E-03	1.16E-01	1.15E-01	1.22E+01	2.16E-01	3.49E-02	1.26E+01	1.12E-01	1.54E-04	2.16E-02	6.83E-03	1.40E-01
5244	490863.09	3865377.25	1.02E-01	1.31E-04	1.33E-02	7.82E-03	1.23E-01	1.35E-01	1.25E+01	1.33E-01	3.99E-02	1.28E+01	1.31E-01	1.58E-04	1.33E-02	7.82E-03	1.52E-01
5245	491363.09	3865377.25	1.28E-01	1.29E-04	1.77E-02	7.86E-03	1.54E-01	1.70E-01	1.23E+01	1.77E-01	4.02E-02	1.27E+01	1.65E-01	1.56E-04	1.77E-02	7.86E-03	1.90E-01
5246	491863.09	3865377.25	1.26E-01	1.26E-04	2.41E-02	9.64E-03	1.60E-01	1.67E-01	1.21E+01	2.41E-01	4.93E-02	1.25E+01	1.62E-01	1.52E-04	2.41E-02	9.64E-03	1.96E-01
5247	492363.09	3865377.25	1.02E-01	8.86E-05	2.63E-02	4.99E-02	1.79E-01	1.35E-01	8.49E+00	2.63E-01	2.55E-01	9.15E+00	1.31E-01	1.07E-04	2.63E-02	4.99E-02	2.08E-01
5248	492863.09	3865377.25	1.01E-01	4.85E-05	3.11E-02	1.51E-02	1.47E-01	1.33E-01	4.65E+00	3.11E-01	7.69E-02	5.18E+00	1.29E-01	5.88E-05	3.11E-02	1.51E-02	1.75E-01
5249	493363.09	3865377.25	8.72E-02	4.11E-05	3.29E-02	9.47E-03	1.30E-01	1.15E-01	3.94E+00	3.29E-01	4.84E-02	4.43E+00	1.12E-01	4.98E-05	3.29E-02	9.47E-03	1.54E-01
5250	493863.09	3865377.25	1.51E-01	8.95E-05	1.59E-01	1.86E-02	3.28E-01	1.99E-01	8.58E+00	1.59E+00	9.50E-02	1.05E+01	1.93E-01	1.08E-04	1.59E-01	1.86E-02	3.71E-01
5251	494363.09	3865377.25	1.14E-01	1.59E-04	4.87E-02	1.61E-02	1.79E-01	1.50E-01	1.52E+01	4.87E-01	8.21E-02	1.59E+01	1.46E-01	1.92E-04	4.87E-02	1.61E-02	2.11E-01
5252	494863.09	3865377.25	1.23E-01	1.53E-04	3.45E-02	1.57E-02	1.73E-01	1.62E-01	1.47E+01	3.45E-01	7.99E-02	1.53E+01	1.57E-01	1.85E-04	3.45E-02	1.57E-02	2.08E-01
5253	495363.09	3865377.25	1.32E-01	1.50E-04	2.51E-02	1.01E-02	1.67E-01	1.74E-01	1.44E+01	2.51E-01	5.15E-02	1.48E+01	1.69E-01	1.81E-04	2.51E-02	1.01E-02	2.04E-01
5254	495863.09	3865377.25	1.10E-01	1.36E-04	2.81E-02	8.07E-03	1.46E-01	1.46E-01	1.31E+01	2.81E-01	4.12E-02	1.35E+01	1.41E-01	1.65E-04	2.81E-02	8.07E-03	1.78E-01
5255	496363.09	3865377.25	1.14E-01	1.10E-04	4.07E-02	8.62E-03	1.63E-01	1.50E-01	1.05E+01	4.07E-01	4.40E-02	1.11E+01	1.46E-01	1.33E-04	4.07E-02	8.62E-03	1.95E-01
5256	496863.09	3865377.25	1.13E-01	1.04E-04	3.79E-02	9.77E-03	1.61E-01	1.50E-01	9.98E+00	3.79E-01	4.99E-02	1.06E+01	1.45E-01	1.26E-04	3.79E-02	9.77E-03	1.93E-01
5257	497363.09	3865377.25	7.36E-02	1.02E-04	2.45E-02	7.69E-03	1.06E-01	9.72E-02	9.74E+00	2.45E-01	3.93E-02	1.01E+01	9.43E-02	1.23E-04	2.45E-02	7.69E-03	1.27E-01
5258	497863.09	3865377.25	7.18E-02	1.22E-04	2.07E-02	8.22E-03	1.01E-01	9.48E-02	1.17E+01	2.07E-01	4.20E-02	1.21E+01	9.20E-02	1.48E-04	2.07E-02	8.22E-03	1.21E-01
5259	498363.09	3865377.25	6.78E-02	1.47E-04	2.39E-02	9.72E-03	1.02E-01	8.95E-02	1.41E+01	2.39E-01	4.97E-02	1.45E+01	8.69E-02	1.78E-04	2.39E-02	9.72E-03	1.21E-01
5260	471363.09	3865877.25	4.03E-02	5.11E-05	2.47E-02	4.41E-03	6.94E-02	5.32E-02	4.90E+00	2.47E-01	2.25E-02	5.23E+00	5.16E-02	6.20E-05	2.47E-02	4.41E-03	8.08E-02
5261	471863.09	3865877.25	4.51E-02	5.43E-05	3.14E-02	4.41E-03	8.09E-02	5.96E-02	5.21E+00	3.14E-01	2.25E-02	5.60E+00	5.78E-02	6.58E-05	3.14E-02	4.41E-03	9.36E-02
5262	472363.09	3865877.25	4.77E-02	5.60E-05	3.61E-02	4.50E-03	8.84E-02	6.30E-02	5.37E+00	3.61E-01	2.30E-02	5.82E+00	6.12E-02	6.79E-05	3.61E-02	4.50E-03	1.02E-01
5263	472863.09	3865877.25	4.90E-02	5.70E-05	3.55E-02	4.43E-03	8.90E-02	6.48E-02	5.47E+00	3.55E-01	2.27E-02	5.91E+00	6.29E-02	6.91E-05	3.55E-02	4.43E-03	1.03E-01
5264	473363.09	3865877.25	4.98E-02	5.70E-05	3.04E-02	3.72E-03	8.40E-02	6.58E-02	5.47E+00	3.04E-01	1.90E-02	5.86E+00	6.38E-02	6.91E-05	3.04E-02	3.72E-03	9.81E-02
5265	473863.09	3865877.25	4.83E-02	5.67E-05	2.35E-02	3.71E-03	7.55E-02	6.38E-02	5.44E+00	2.35E-01	1.89E-02	5.76E+00	6.19E-02	6.88E-05	2.35E-02	3.71E-03	8.91E-02
5266	474363.09	3865877.25	5.47E-02	5.74E-05	1.67E-02	3.64E-03	7.51E-02	7.22E-02	5.51E+00	1.67E-01	1.86E-02	5.76E+00	7.01E-02	6.95E-05	1.67E-02	3.64E-03	9.05E-02
5267	474863.09	3865877.25	5.97E-02	6.13E-05	1.69E-02	3.82E-03	8.05E-02	7.89E-02	5.88E+00	1.69E-01	1.95E-02	6.15E+00	7.65E-02	7.43E-05	1.69E-02	3.82E-03	9.74E-02
5268	475363.09	3865877.25	6.04E-02	6.40E-05	1.62E-02	4.37E-03	8.10E-02	7.97E-02	6.14E+00	1.62E-01	2.23E-02	6.41E+00	7.74E-02	7.76E-05	1.62E-02	4.37E-03	9.80E-02
5269	475863.09	3865877.25	5.96E-02	6.88E-05	1.81E-02	4.87E-03	8.27E-02	7.87E-02	6.60E+00	1.81E-01	2.49E-02	6.89E+00	7.64E-02	8.34E-05	1.81E-02	4.87E-03	9.95E-02
5270	476363.09	3865877.25	6.31E-02	7.40E-05	2.09E-02	4.92E-03	8.90E-02	8.34E-02	7.10E+00	2.09E-01	2.51E-02	7.41E+00	8.09E-02	8.96E-05	2.09E-02	4.92E-03	1.07E-01
5271	476863.09	3865877.25	6.41E-02	6.25E-05	2.40E-02	5.09E-03	9.32E-02	8.46E-02	5.99E+00	2.40E-01	2.60E-02	6.34E+00	8.22E-02	7.57E-05	2.40E-02	5.09E-03	1.11E-01
5272	477363.09	3865877.25	6.21E-02	6.28E-05	2.20E-02	5.04E-03	8.92E-02	8.20E-02	6.02E+00	2.20E-01	2.57E-02	6.35E+00	7.96E-02	7.60E-05	2.20E-02	5.04E-03	1.07E-01
5273	477863.09	3865877.25	6.60E-02	6.31E-05	3.05E-02	5.33E-03	1.02E-01	8.71E-02	6.06E+00	3.05E-01	2.72E-02	6.48E+00	8.46E-02	7.65E-05	3.05E-02	5.33E-03	1.21E-01
5274	478363.09	3865877.25	7.26E-02	7.03E-05	3.47E-02	5.41E-03	1.13E-01	9.59E-02	6.74E+00	3.47E-01	2.76E-02	7.22E+00	9.31E-02	8.52E-05	3.47E-02	5.41E-03	1.33E-01
5275	478863.09	3865877.25	7.33E-02	8.44E-05	2.99E-02	5.33E-03	1.09E-01	9.69E-02	8.10E+00	2.99E-01	2.72E-02	8.52E+00	9.40E-02	1.02E-04	2.99E-02	5.33E-03	1.29E-01
5276	479363.09	3865877.25	6.18E-02	9.79E-05	2.15E-02	5.06E-03	8.85E-02	8.17E-02	9.39E+00	2.15E-01	2.59E-02	9.71E+00	7.92E-02	1.19E-04	2.15E-02	5.06E-03	1.06E-01
5277	479863.09	3865877.25	6.41E-02	1.08E-04	1.91E-02	4.93E-03	8.82E-02	8.47E-02	1.04E+01	1.91E-01	2.52E-02	1.07E+01	8.22E-02	1.31E-04	1.91E-02	4.93E-03	1.06E-01
5278	480363.09	3865877.25	7.77E-02	1.09E-04	1.77E-02	5.52E-03	1.01E-01	1.03E-01	1.04E+01	1.77E-01	2.82E-02	1.08E+01	9.96E-02	1.32E-04	1.77E-02	5.52E-03	1.23E-01
5279	480863.09	3865877.25	9.15E-02	1.00E-04	1.88E-02	6.13E-03	1.16E-01	1.21E-01	9.61E+00	1.88E-01	3.13E-02	9.95E+00	1.17E-01	1.21E-04	1.88E-02	6.13E-03	1.42E-01
5280	481363.09	3865877.25	9.71E-02	9.40E-05	2.03E-02	6.39E-03	1.24E-01	1.28E-01	9.01E+00	2.03E-01	3.27E-02	9.38E+00	1.25E-01	1.14E-04	2.03E-02	6.39E-03	1.51E-01
5281	481863.09	3865877.25	8.92E-02	8.65E-05	2.00E-02	6.20E-03	1.15E-01	1.18E-01	8.30E+00	2.00E-01	3.17E-02	8.64E+00	1.14E-01	1.05E-04	2.00E-02	6.20E-03	1.41E-01
5282	482363.09	3865877.25	8.79E-02	8.48E-05	1.78E-02	6.02E-03	1.12E-01	1.16E-01	8.14E+00	1.78E-01	3.08E-02	8.46E+00	1.13E-01	1.03E-04	1.78E-02	6.02E-03	1.37E-01
5283	482863.09	3865877.25	8.60E-02	9.19E-05	2.16E-02	6.33E-03	1.14E-01	1.14E-01	8.81E+00	2.16E-01	3.23E-02	9.17E+00	1.10E-01	1.11E-04	2.16E-02	6.33E-03	1.38E-01
5284	483363.09	3865877.25	7.33E-02	8.41E-05	3.67E-02	6.56E-03	1.17E-01	9.68E-02	8.07E+00	3.67E-01	3.35E-02	8.57E+00	9.39E-02	1.02E-04	3.67E-02	6.56E-03	1.37E-01
5285	483863.09	3865877.25	9.89E-02	8.32E-05	3.53E-02	5.83E-03	1.40E-01	1.31E-01	7.98E+00	3.53E-01	2.98E-02	8.49E+00	1.27E-01	1.01E-04	3.53E-02	5.83E-03	1.68E-01
5286	484363.09	3865877.25	9.95E-02	1.06E-04	3.75E-02	4.74E-03	1.42E-01	1.31E-01	1.02E+01	3.75E-01	2.42E-02	1.07E+01	1.28E-01	1.29E-04	3.75E-02	4.74E-03	1.70E-01
5287	484863.09	3865877.25	9.20E-02	1.11E-04	2.54E-02	6.69E-03	1.24E-01	1.22E-01	1.07E+01	2.54E-01	3.42E-02	1.11E+01	1.18E-01	1.35E-04	2.54E-02	6.69E-03	1.50E-01
5288	485363.09	3865877.25	8.26E-02	1.06E-04	2.90E-02	5.18E-03	1.17E-01	1.09E-01	1.02E+01	2.90E-01	2.64E-02	1.06E+01	1.06E-01	1.28E-04	2.90E-02	5.18E-03	1.40E-01
5289	485863.09	3865877.25	6.89E-02	1.16E-04	2.27E-02	4.11E-03	9.59E-02	9.10E-02	1.11E+01	2.27E-01	2.10E-02	1.14E+01	8.83E-02	1.40E-04	2.27E-02	4.11E-03	1.15E-01
5290	486363.09	3865877.25	6.43E-02	1.02E-04	2.90E-02	5.57E-03	9.90E-02	8.50E-02	9.82E+00	2.90E-01	2.85E-02	1.02E+01	8.25E-02	1.24E-04	2.90E-02	5.57E-03	1.17E-01
5291	486863.09	3865877.25	8.54E-02	1.04E-04	4.04E-02	7.37E-03	1.33E-01	1.13E-01	9.95E+00	4.04E-01	3.76E-02	1.05E+01	1.09E-01	1.26E-04	4.04E-02	7.37E-03	1.57E-01
5292	487363.09	3865877.25	1.01E-01	1.18E-04	4.09E-02	8.72E-03	1.51E-01	1.34E-01	1.14E+01	4.09E-01	4.46E-02	1.19E+01	1.30E-01	1.43E-04	4.09E-02	8.72E-03	1.80E-01
5293	487863.09	3865877.25	9.90E-02	1.21E-04	2.99E-02	7.77E-03	1.37E-01	1.31E-01	1.16E+01	2.99E-01	3.97E-02	1.21E+01	1.27E-01	1.47E-04	2.99E-02	7.77E-03	1.65E-01
5294	488363.09	3865877.25	7.92E-02	1.25E-04	3.55E-02	6.08E-03	1.21E-01	1.05E-01	1.19E+01	3.55E-01	3.10E-02	1.24E+01	1.01E-01	1.51E-04	3.55E-02	6.08E-03	1.43E-01
5295	488863.09	3865877.25	9.40E-02	1.40E-04	2.41E-02	5.03E-03	1.23E-01	1.24E-01	1.35E+01	2.41E-01	2.57E-02	1.39E+01	1.21E-01	1.70E-04	2.41E-02	5.03E-03	1.50E-01
5296	489363.09	3865877.25	7.64E-02	1.54E-04	1.98E-02	5.24E-03	1.02E-01	1.01E-01	1.48E+01	1.98E-01	2.68E-02	1.51E+01	9.80E-02	1.87E-04	1.98E-02	5.24E-03	1.23E-01
5297	489863.09	3865877.25	9.17E-02	1.27E-04	2.80E-02	5.39E-03	1.25E-01	1.21E-01	1.22E+01	2.80E-01	2.75E-02	1.26E+01	1.18E-01	1.54E-04	2.80E-02	5.39E-03	1.51E-01
5298	490363.09	3865877.25	9.28E-02	1.15E-04	2.99E-02	6.27E-03	1.29E-01	1.23E-01	1.10E+01	2.99E-01	3.20E-02	1.15E+01	1.19E-01	1.39E-04	2.99E-02	6.27E-03	1.55E-01
5299	490863.09	3865877.25	8.05E-02	1.08E-04	1.34E-02	7.17E-03	1.01E-01	1.06E-01	1.04E+01	1.34E-01	3.66E-02	1.07E+01	1.03E-01	1.31E-04	1.34E-02	7.17E-03	1.24E-01
5300	491363.09	3865877.25	1.06E-01	1.21E-04	1.57E-02	7.72E-03	1.30E-01	1.41E-01	1.16E+01	1.57E-01	3.94E-02	1.20E+01	1.36E-01	1.47E-04	1.57E-02	7.72E-03	1.60E-01
5301	491863.09	3865877.25	1.50E-01	1.09E-04	1.96E-02	7.97E-03	1.78E-01	1.98E-01	1.05E+01	1.96E-01	4.07E-02	1.09E+01	1.92E-01	1.32E-04	1.96E-02	7.97E-03	2.20E-01
5302	492363.09	3865877.25	1.21E-01	9.74E-05	2.46E-02	1.74E-02	1.63E-01	1.60E-01	9.34E+00	2.46E-01	8.90E-02	9.84E+00	1.55E-01	1.18E-04	2.46E-02	1.74E-02	1.97E-01
5303	492863.09	3865877.25	9.50E-02	5.43E-05	2.46E-02	1.98E-02	1.39E-01	1.26E-01	5.21E+00	2.46E-01	1.01E-01	5.68E+00	1.22E-01	6.58E-05	2.46E-02	1.98E-02	1.66E-01

5304	493363.09	3865877.25	1.07E-01	5.23E-05	3.18E-02	2.31E-02	1.62E-01	1.41E-01	5.02E+00	3.18E-01	1.18E-01	5.60E+00	1.37E-01	6.34E-05	3.18E-02	2.31E-02	1.92E-01
5305	493863.09	3865877.25	1.47E-01	1.11E-04	6.21E-02	1.02E-02	2.19E-01	1.94E-01	1.06E+01	6.21E-01	5.19E-02	1.15E+01	1.88E-01	1.34E-04	6.21E-02	1.02E-02	2.60E-01
5306	494363.09	3865877.25	1.34E-01	1.54E-04	6.29E-02	1.30E-02	2.10E-01	1.77E-01	1.48E+01	6.29E-01	6.62E-02	1.57E+01	1.72E-01	1.87E-04	6.29E-02	1.30E-02	2.48E-01
5307	494863.09	3865877.25	8.70E-02	1.63E-04	4.28E-02	1.38E-02	1.44E-01	1.15E-01	1.57E+01	4.28E-01	7.06E-02	1.63E+01	1.12E-01	1.98E-04	4.28E-02	1.38E-02	1.68E-01
5308	495363.09	3865877.25	1.05E-01	1.60E-04	3.12E-02	1.51E-02	1.51E-01	1.38E-01	1.53E+01	3.12E-01	7.73E-02	1.59E+01	1.34E-01	1.94E-04	3.12E-02	1.51E-02	1.81E-01
5309	495863.09	3865877.25	1.22E-01	1.38E-04	2.39E-02	1.10E-02	1.57E-01	1.62E-01	1.32E+01	2.39E-01	5.61E-02	1.36E+01	1.57E-01	1.67E-04	2.39E-02	1.10E-02	1.92E-01
5310	496363.09	3865877.25	1.15E-01	1.18E-04	2.62E-02	7.68E-03	1.49E-01	1.52E-01	1.14E+01	2.62E-01	3.92E-02	1.18E+01	1.47E-01	1.43E-04	2.62E-02	7.68E-03	1.81E-01
5311	496863.09	3865877.25	1.19E-01	1.01E-04	3.97E-02	1.08E-02	1.70E-01	1.58E-01	9.73E+00	3.97E-01	5.49E-02	1.03E+01	1.53E-01	1.23E-04	3.97E-02	1.08E-02	2.04E-01
5312	497363.09	3865877.25	1.11E-01	9.36E-05	3.89E-02	1.14E-02	1.62E-01	1.47E-01	8.98E+00	3.89E-01	5.80E-02	9.57E+00	1.43E-01	1.13E-04	3.89E-02	1.14E-02	1.93E-01
5313	497863.09	3865877.25	8.17E-02	9.66E-05	2.51E-02	1.08E-02	1.18E-01	1.08E-01	9.26E+00	2.51E-01	5.52E-02	9.67E+00	1.05E-01	1.17E-04	2.51E-02	1.08E-02	1.41E-01
5314	498363.09	3865877.25	6.95E-02	9.03E-05	1.89E-02	1.21E-02	1.01E-01	9.18E-02	8.66E+00	1.89E-01	6.18E-02	9.01E+00	8.91E-02	1.09E-04	1.89E-02	1.21E-02	1.20E-01
5315	471363.09	3866377.25	4.44E-02	5.34E-05	3.44E-02	4.24E-03	8.30E-02	5.86E-02	5.12E+00	3.44E-01	2.17E-02	5.55E+00	5.69E-02	6.47E-05	3.44E-02	4.24E-03	9.56E-02
5316	471863.09	3866377.25	4.64E-02	5.41E-05	3.64E-02	4.45E-03	8.73E-02	6.13E-02	5.18E+00	3.64E-01	2.28E-02	5.63E+00	5.95E-02	6.55E-05	3.64E-02	4.45E-03	1.00E-01
5317	472363.09	3866377.25	4.75E-02	5.42E-05	3.27E-02	4.13E-03	8.44E-02	6.27E-02	5.20E+00	3.27E-01	2.11E-02	5.61E+00	6.09E-02	6.56E-05	3.27E-02	4.13E-03	9.78E-02
5318	472863.09	3866377.25	4.73E-02	5.32E-05	2.37E-02	3.53E-03	7.46E-02	6.25E-02	5.10E+00	2.37E-01	1.80E-02	5.42E+00	6.07E-02	6.44E-05	2.37E-02	3.53E-03	8.80E-02
5319	473363.09	3866377.25	4.61E-02	5.17E-05	1.62E-02	3.72E-03	6.61E-02	6.09E-02	4.96E+00	1.62E-01	1.90E-02	5.20E+00	5.91E-02	6.27E-05	1.62E-02	3.72E-03	7.91E-02
5320	473863.09	3866377.25	5.19E-02	5.61E-05	1.60E-02	4.06E-03	7.20E-02	6.86E-02	5.38E+00	1.60E-01	2.08E-02	5.63E+00	6.65E-02	6.79E-05	1.60E-02	4.06E-03	8.67E-02
5321	474363.09	3866377.25	5.59E-02	5.96E-05	1.56E-02	4.44E-03	7.59E-02	7.38E-02	5.71E+00	1.56E-01	2.27E-02	5.96E+00	7.16E-02	7.21E-05	1.56E-02	4.44E-03	9.17E-02
5322	474863.09	3866377.25	5.62E-02	6.16E-05	1.58E-02	4.95E-03	7.70E-02	7.42E-02	5.91E+00	1.58E-01	2.53E-02	6.16E+00	7.20E-02	7.46E-05	1.58E-02	4.95E-03	9.29E-02
5323	475363.09	3866377.25	5.44E-02	6.31E-05	1.83E-02	5.15E-03	7.79E-02	7.19E-02	6.05E+00	1.83E-01	2.63E-02	6.33E+00	6.97E-02	7.64E-05	1.83E-02	5.15E-03	9.33E-02
5324	475863.09	3866377.25	5.73E-02	6.38E-05	2.00E-02	4.89E-03	8.23E-02	7.57E-02	6.11E+00	2.00E-01	2.50E-02	6.42E+00	7.35E-02	7.72E-05	2.00E-02	4.89E-03	9.85E-02
5325	476363.09	3866377.25	5.94E-02	6.28E-05	2.13E-02	5.00E-03	8.58E-02	7.85E-02	6.02E+00	2.13E-01	2.55E-02	6.34E+00	7.62E-02	7.60E-05	2.13E-02	5.00E-03	1.03E-01
5326	476863.09	3866377.25	6.09E-02	5.44E-05	2.64E-02	4.95E-03	9.24E-02	8.05E-02	5.22E+00	2.64E-01	2.53E-02	5.59E+00	7.81E-02	6.59E-05	2.64E-02	4.95E-03	1.10E-01
5327	477363.09	3866377.25	6.30E-02	6.14E-05	3.31E-02	5.12E-03	1.01E-01	8.33E-02	5.89E+00	3.31E-01	2.61E-02	6.33E+00	8.08E-02	7.44E-05	3.31E-02	5.12E-03	1.19E-01
5328	477863.09	3866377.25	6.80E-02	6.25E-05	3.55E-02	5.22E-03	1.09E-01	8.98E-02	6.00E+00	3.55E-01	2.67E-02	6.47E+00	8.71E-02	7.58E-05	3.55E-02	5.22E-03	1.28E-01
5329	478363.09	3866377.25	6.99E-02	7.69E-05	2.73E-02	5.01E-03	1.02E-01	9.24E-02	7.38E+00	2.73E-01	2.56E-02	7.77E+00	8.96E-02	9.32E-05	2.73E-02	5.01E-03	1.22E-01
5330	478863.09	3866377.25	6.16E-02	9.15E-05	2.03E-02	4.63E-03	8.67E-02	8.14E-02	8.78E+00	2.03E-01	2.37E-02	9.09E+00	7.90E-02	1.11E-04	2.03E-02	4.63E-03	1.04E-01
5331	479363.09	3866377.25	5.54E-02	1.03E-04	1.80E-02	5.02E-03	7.86E-02	7.32E-02	9.85E+00	1.80E-01	2.57E-02	1.01E+01	7.11E-02	1.24E-04	1.80E-02	5.02E-03	9.42E-02
5332	479863.09	3866377.25	6.80E-02	1.06E-04	1.69E-02	5.62E-03	9.06E-02	8.99E-02	1.02E+01	1.69E-01	2.87E-02	1.04E+01	8.72E-02	1.28E-04	1.69E-02	5.62E-03	1.10E-01
5333	480363.09	3866377.25	8.15E-02	9.87E-05	1.80E-02	6.15E-03	1.06E-01	1.08E-01	9.47E+00	1.80E-01	3.14E-02	9.79E+00	1.04E-01	1.20E-04	1.80E-02	6.15E-03	1.29E-01
5334	480863.09	3866377.25	9.18E-02	8.77E-05	1.93E-02	6.27E-03	1.17E-01	1.21E-01	8.41E+00	1.93E-01	3.20E-02	8.75E+00	1.18E-01	1.06E-04	1.93E-02	6.27E-03	1.43E-01
5335	481363.09	3866377.25	9.12E-02	8.15E-05	1.92E-02	5.99E-03	1.17E-01	1.21E-01	7.81E+00	1.92E-01	3.06E-02	8.16E+00	1.17E-01	9.87E-05	1.92E-02	5.99E-03	1.42E-01
5336	481863.09	3866377.25	8.24E-02	7.90E-05	1.83E-02	5.74E-03	1.06E-01	1.09E-01	7.58E+00	1.83E-01	2.93E-02	7.90E+00	1.06E-01	9.57E-05	1.83E-02	5.74E-03	1.30E-01
5337	482363.09	3866377.25	8.46E-02	8.44E-05	1.94E-02	5.96E-03	1.10E-01	1.12E-01	8.09E+00	1.94E-01	3.04E-02	8.43E+00	1.09E-01	1.02E-04	1.94E-02	5.96E-03	1.34E-01
5338	482863.09	3866377.25	7.83E-02	8.30E-05	3.04E-02	6.26E-03	1.15E-01	1.03E-01	7.96E+00	3.04E-01	3.20E-02	8.40E+00	1.00E-01	1.01E-04	3.04E-02	6.26E-03	1.37E-01
5339	483363.09	3866377.25	7.40E-02	6.99E-05	3.64E-02	5.80E-03	1.16E-01	9.78E-02	6.70E+00	3.64E-01	2.96E-02	7.19E+00	9.49E-02	8.47E-05	3.64E-02	5.80E-03	1.37E-01
5340	483863.09	3866377.25	9.73E-02	9.12E-05	3.02E-02	4.58E-03	1.32E-01	1.29E-01	8.75E+00	3.02E-01	2.34E-02	9.20E+00	1.25E-01	1.11E-04	3.02E-02	4.58E-03	1.60E-01
5341	484363.09	3866377.25	9.63E-02	9.93E-05	3.49E-02	5.98E-03	1.37E-01	1.27E-01	9.52E+00	3.49E-01	3.05E-02	1.00E+01	1.23E-01	1.20E-04	3.49E-02	5.98E-03	1.64E-01
5342	484863.09	3866377.25	9.03E-02	1.02E-04	1.73E-02	5.75E-03	1.13E-01	1.19E-01	9.82E+00	1.73E-01	2.94E-02	1.01E+01	1.16E-01	1.24E-04	1.73E-02	5.75E-03	1.39E-01
5343	485363.09	3866377.25	7.90E-02	8.99E-05	3.24E-02	5.46E-03	1.17E-01	1.04E-01	8.62E+00	3.24E-01	2.79E-02	9.08E+00	1.01E-01	1.09E-04	3.24E-02	5.46E-03	1.39E-01
5344	485863.09	3866377.25	6.38E-02	1.13E-04	1.73E-02	4.26E-03	8.54E-02	8.43E-02	1.08E+01	1.73E-01	2.18E-02	1.11E+01	8.18E-02	1.36E-04	1.73E-02	4.26E-03	1.03E-01
5345	486363.09	3866377.25	5.84E-02	9.76E-05	3.00E-02	5.78E-03	9.43E-02	7.71E-02	9.36E+00	3.00E-01	2.95E-02	9.77E+00	7.49E-02	1.18E-04	3.00E-02	5.78E-03	1.11E-01
5346	486863.09	3866377.25	8.01E-02	9.10E-05	3.94E-02	7.51E-03	1.27E-01	1.06E-01	8.73E+00	3.94E-01	3.84E-02	9.26E+00	1.03E-01	1.10E-04	3.94E-02	7.51E-03	1.50E-01
5347	487363.09	3866377.25	9.79E-02	1.24E-04	3.96E-02	8.76E-03	1.46E-01	1.29E-01	1.19E+01	3.96E-01	4.47E-02	1.25E+01	1.26E-01	1.51E-04	3.96E-02	8.76E-03	1.74E-01
5348	487863.09	3866377.25	1.01E-01	1.09E-04	3.13E-02	7.38E-03	1.39E-01	1.33E-01	1.05E+01	3.13E-01	3.77E-02	1.10E+01	1.29E-01	1.33E-04	3.13E-02	7.38E-03	1.68E-01
5349	488363.09	3866377.25	7.44E-02	1.21E-04	4.10E-02	7.01E-03	1.22E-01	9.82E-02	1.16E+01	4.10E-01	3.58E-02	1.22E+01	9.53E-02	1.47E-04	4.10E-02	7.01E-03	1.43E-01
5350	488863.09	3866377.25	9.20E-02	1.26E-04	2.84E-02	5.21E-03	1.26E-01	1.22E-01	1.21E+01	2.84E-01	2.66E-02	1.25E+01	1.18E-01	1.52E-04	2.84E-02	5.21E-03	1.52E-01
5351	489363.09	3866377.25	8.52E-02	1.41E-04	1.80E-02	4.49E-03	1.08E-01	1.12E-01	1.35E+01	1.80E-01	2.29E-02	1.38E+01	1.09E-01	1.71E-04	1.80E-02	4.49E-03	1.32E-01
5352	489863.09	3866377.25	8.03E-02	1.05E-04	3.24E-02	8.93E-03	1.22E-01	1.06E-01	1.01E+01	3.24E-01	4.56E-02	1.06E+01	1.03E-01	1.27E-04	3.24E-02	8.93E-03	1.44E-01
5353	490363.09	3866377.25	9.20E-02	1.00E-04	3.72E-02	5.73E-03	1.35E-01	1.22E-01	9.59E+00	3.72E-01	2.93E-02	1.01E+01	1.18E-01	1.21E-04	3.72E-02	5.73E-03	1.61E-01
5354	490863.09	3866377.25	7.31E-02	1.06E-04	1.55E-02	6.62E-03	9.54E-02	9.66E-02	1.01E+01	1.55E-01	3.38E-02	1.04E+01	9.37E-02	1.28E-04	1.55E-02	6.62E-03	1.16E-01
5355	491363.09	3866377.25	8.58E-02	1.18E-04	1.27E-02	7.37E-03	1.06E-01	1.13E-01	1.13E+01	1.27E-01	3.76E-02	1.16E+01	1.10E-01	1.43E-04	1.27E-02	7.37E-03	1.30E-01
5356	491863.09	3866377.25	1.29E-01	9.91E-05	1.54E-02	8.84E-03	1.53E-01	1.70E-01	9.51E+00	1.54E-01	4.52E-02	9.87E+00	1.65E-01	1.20E-04	1.54E-02	8.84E-03	1.89E-01
5357	492363.09	3866377.25	1.50E-01	9.00E-05	2.14E-02	1.21E-02	1.84E-01	1.98E-01	8.63E+00	2.14E-01	6.20E-02	9.10E+00	1.93E-01	1.09E-04	2.14E-02	1.21E-02	2.26E-01
5358	492863.09	3866377.25	8.71E-02	7.66E-05	2.39E-02	2.54E-02	1.37E-01	1.15E-01	7.35E+00	2.39E-01	1.30E-01	7.83E+00	1.12E-01	9.28E-05	2.39E-02	2.54E-02	1.61E-01
5359	493363.09	3866377.25	9.75E-02	8.83E-05	2.81E-02	2.66E-02	1.52E-01	1.29E-01	8.47E+00	2.81E-01	1.36E-01	9.02E+00	1.25E-01	1.07E-04	2.81E-02	2.66E-02	1.80E-01
5360	493863.09	3866377.25	1.03E-01	9.62E-05	3.25E-02	1.87E-02	1.55E-01	1.36E-01	9.22E+00	3.25E-01	9.56E-02	9.78E+00	1.32E-01	1.17E-04	3.25E-02	1.87E-02	1.84E-01
5361	494363.09	3866377.25	1.27E-01	1.80E-04	2.72E-02	8.51E-03	1.63E-01	1.68E-01	1.73E+01	2.72E-01	4.35E-02	1.78E+01	1.63E-01	2.18E-04	2.72E-02	8.51E-03	1.99E-01
5362	494863.09	3866377.25	1.10E-01	1.79E-04	3.09E-02	9.70E-03	1.51E-01	1.46E-01	1.72E+01	3.09E-01	4.95E-02	1.77E+01	1.41E-01	2.17E-04	3.09E-02	9.70E-03	1.82E-01
5363	495363.09	3866377.25	9.75E-02	1.41E-04	4.51E-02	1.35E-02	1.56E-01	1.29E-01	1.35E+01	4.51E-01	6.89E-02	1.42E+01	1.25E-01	1.71E-04	4.51E-02	1.35E-02	1.84E-01
5364	495863.09	3866377.25	1.14E-01	1.46E-04	3.00E-02	1.61E-02	1.61E-01	1.51E-01	1.40E+01	3.00E-01	8.23E-02	1.46E+01	1.47E-01	1.77E-04	3.00E-02	1.61E-02	1.93E-01

5365	496363.09	3866377.25	1.49E-01	1.08E-04	2.27E-02	1.22E-02	1.84E-01	1.97E-01	1.04E+01	2.27E-01	6.26E-02	1.09E+01	1.91E-01	1.31E-04	2.27E-02	1.22E-02	2.26E-01
5366	496863.09	3866377.25	1.23E-01	9.00E-05	2.99E-02	7.27E-03	1.60E-01	1.62E-01	8.63E+00	2.99E-01	3.71E-02	9.13E+00	1.58E-01	1.09E-04	2.99E-02	7.27E-03	1.95E-01
5367	497363.09	3866377.25	1.16E-01	8.48E-05	4.06E-02	1.31E-02	1.70E-01	1.53E-01	8.14E+00	4.06E-01	6.71E-02	8.76E+00	1.49E-01	1.03E-04	4.06E-02	1.31E-02	2.02E-01
5368	497863.09	3866377.25	1.23E-01	8.20E-05	4.23E-02	1.68E-02	1.82E-01	1.62E-01	7.87E+00	4.23E-01	8.56E-02	8.54E+00	1.57E-01	9.94E-05	4.23E-02	1.68E-02	2.16E-01
5369	498363.09	3866377.25	9.36E-02	6.12E-05	2.92E-02	2.24E-02	1.45E-01	1.24E-01	5.87E+00	2.92E-01	1.14E-01	6.40E+00	1.20E-01	7.42E-05	2.92E-02	2.24E-02	1.72E-01
5370	474494.92	3848334.16	1.20E-01	9.71E-05	1.17E-02	8.14E-03	1.40E-01	1.59E-01	9.31E+00	1.17E-01	4.16E-02	9.63E+00	1.54E-01	1.18E-04	1.17E-02	8.14E-03	1.74E-01
5371	475167.27	3848920.79	1.13E-01	1.04E-04	1.17E-02	8.59E-03	1.33E-01	1.49E-01	9.95E+00	1.17E-01	4.39E-02	1.03E+01	1.44E-01	1.26E-04	1.17E-02	8.59E-03	1.65E-01
5372	475297.89	3848997.96	1.15E-01	1.07E-04	1.20E-02	8.66E-03	1.35E-01	1.52E-01	1.03E+01	1.20E-01	4.43E-02	1.06E+01	1.47E-01	1.30E-04	1.20E-02	8.66E-03	1.68E-01
5373	475439.05	3849062	1.22E-01	1.07E-04	1.23E-02	8.72E-03	1.43E-01	1.61E-01	1.02E+01	1.23E-01	4.45E-02	1.06E+01	1.56E-01	1.29E-04	1.23E-02	8.72E-03	1.77E-01
5374	475486.86	3849061.09	1.28E-01	1.07E-04	1.25E-02	8.72E-03	1.49E-01	1.68E-01	1.03E+01	1.25E-01	4.45E-02	1.06E+01	1.64E-01	1.30E-04	1.25E-02	8.72E-03	1.85E-01
5375	475538.46	3849075.56	1.32E-01	1.09E-04	1.27E-02	8.72E-03	1.53E-01	1.74E-01	1.05E+01	1.27E-01	4.45E-02	1.08E+01	1.69E-01	1.32E-04	1.27E-02	8.72E-03	1.90E-01
5376	475751.79	3849137.15	1.43E-01	1.19E-04	1.35E-02	8.71E-03	1.66E-01	1.89E-01	1.14E+01	1.35E-01	4.45E-02	1.18E+01	1.84E-01	1.44E-04	1.35E-02	8.71E-03	2.06E-01
5377	476303.62	3849223.38	1.31E-01	9.74E-05	1.58E-02	8.25E-03	1.55E-01	1.73E-01	9.34E+00	1.58E-01	4.22E-02	9.71E+00	1.68E-01	1.18E-04	1.58E-02	8.25E-03	1.92E-01
5378	476304.51	3849238.92	1.31E-01	9.95E-05	1.57E-02	8.30E-03	1.55E-01	1.73E-01	9.55E+00	1.57E-01	4.24E-02	9.92E+00	1.68E-01	1.21E-04	1.57E-02	8.30E-03	1.92E-01
5379	476365.04	3849247.98	1.31E-01	1.01E-04	1.60E-02	8.22E-03	1.55E-01	1.73E-01	9.66E+00	1.60E-01	4.20E-02	1.00E+01	1.68E-01	1.22E-04	1.60E-02	8.22E-03	1.92E-01
5380	476444.86	3849267.13	1.30E-01	1.00E-04	1.62E-02	8.12E-03	1.55E-01	1.72E-01	9.63E+00	1.62E-01	4.15E-02	1.00E+01	1.67E-01	1.22E-04	1.62E-02	8.12E-03	1.92E-01
5381	476550.75	3849300.66	1.31E-01	1.06E-04	1.66E-02	8.02E-03	1.56E-01	1.73E-01	1.02E+01	1.66E-01	4.09E-02	1.06E+01	1.68E-01	1.29E-04	1.66E-02	8.02E-03	1.93E-01
5382	476656.71	3849346.88	1.36E-01	1.08E-04	1.68E-02	7.94E-03	1.61E-01	1.80E-01	1.04E+01	1.68E-01	4.06E-02	1.08E+01	1.74E-01	1.31E-04	1.68E-02	7.94E-03	1.99E-01
5383	476873.55	3849454.53	1.41E-01	1.10E-04	1.73E-02	7.81E-03	1.66E-01	1.86E-01	1.06E+01	1.73E-01	3.99E-02	1.10E+01	1.81E-01	1.34E-04	1.73E-02	7.81E-03	2.06E-01
5384	477700	3849859.7	1.37E-01	1.63E-04	1.91E-02	7.08E-03	1.63E-01	1.81E-01	1.56E+01	1.91E-01	3.62E-02	1.60E+01	1.75E-01	1.97E-04	1.91E-02	7.08E-03	2.02E-01
5385	477743.16	3849856.38	1.42E-01	1.63E-04	1.92E-02	6.93E-03	1.68E-01	1.87E-01	1.57E+01	1.92E-01	3.54E-02	1.61E+01	1.82E-01	1.98E-04	1.92E-02	6.93E-03	2.08E-01
5386	478477.35	3850216.33	1.73E-01	1.71E-04	2.05E-02	6.03E-03	2.00E-01	2.29E-01	1.64E+01	2.05E-01	3.08E-02	1.69E+01	2.22E-01	2.07E-04	2.05E-02	6.03E-03	2.49E-01
5387	478485.8	3850201.6	1.79E-01	1.70E-04	2.05E-02	5.94E-03	2.05E-01	2.36E-01	1.63E+01	2.05E-01	3.04E-02	1.68E+01	2.29E-01	2.06E-04	2.05E-02	5.94E-03	2.56E-01
5388	479113.21	3850501.53	1.81E-01	1.60E-04	2.11E-02	6.05E-03	2.08E-01	2.39E-01	1.54E+01	2.11E-01	3.09E-02	1.59E+01	2.32E-01	1.94E-04	2.11E-02	6.05E-03	2.59E-01
5389	479108.11	3850382.28	1.75E-01	1.44E-04	2.06E-02	7.04E-03	2.03E-01	2.31E-01	1.38E+01	2.06E-01	3.59E-02	1.43E+01	2.25E-01	1.74E-04	2.06E-02	7.04E-03	2.52E-01
5390	479689.85	3850674.28	2.09E-01	1.13E-04	2.04E-02	9.25E-03	2.38E-01	2.76E-01	1.09E+01	2.04E-01	4.73E-02	1.14E+01	2.67E-01	1.37E-04	2.04E-02	9.25E-03	2.97E-01
5391	479952.42	3850774.28	2.40E-01	1.01E-04	1.99E-02	8.86E-03	2.69E-01	3.17E-01	9.69E+00	1.99E-01	4.53E-02	1.03E+01	3.07E-01	1.22E-04	1.99E-02	8.86E-03	3.36E-01
5392	479911.32	3850884.85	1.96E-01	1.17E-04	2.10E-02	8.06E-03	2.25E-01	2.58E-01	1.13E+01	2.10E-01	4.12E-02	1.18E+01	2.51E-01	1.42E-04	2.10E-02	8.06E-03	2.80E-01
5393	480500.92	3851178.12	2.42E-01	1.31E-04	2.04E-02	5.98E-03	2.68E-01	3.20E-01	1.26E+01	2.04E-01	3.05E-02	1.32E+01	3.10E-01	1.59E-04	2.04E-02	5.98E-03	3.37E-01
5394	480738.01	3851289.27	2.43E-01	1.32E-04	1.98E-02	5.66E-03	2.69E-01	3.21E-01	1.27E+01	1.98E-01	2.89E-02	1.32E+01	3.12E-01	1.60E-04	1.98E-02	5.66E-03	3.37E-01
5395	481055.42	3851443.58	3.26E-01	1.17E-04	1.90E-02	5.43E-03	3.51E-01	4.31E-01	1.12E+01	1.90E-01	2.77E-02	1.19E+01	4.18E-01	1.42E-04	1.90E-02	5.43E-03	4.43E-01
5396	481110.22	3851443.15	3.47E-01	1.20E-04	1.85E-02	5.51E-03	3.71E-01	4.59E-01	1.15E+01	1.85E-01	2.82E-02	1.22E+01	4.45E-01	1.45E-04	1.85E-02	5.51E-03	4.69E-01
5397	481111.1	3851417.45	3.53E-01	1.20E-04	1.81E-02	5.64E-03	3.77E-01	4.67E-01	1.15E+01	1.81E-01	2.88E-02	1.22E+01	4.53E-01	1.46E-04	1.81E-02	5.64E-03	4.77E-01
5398	482248.44	3852605.09	5.17E-01	1.51E-04	2.35E-02	8.03E-03	5.48E-01	6.82E-01	1.44E+01	2.35E-01	4.10E-02	1.54E+01	6.62E-01	1.82E-04	2.35E-02	8.03E-03	6.94E-01
5399	482273.34	3852632.31	5.21E-01	1.52E-04	2.36E-02	8.15E-03	5.53E-01	6.89E-01	1.46E+01	2.36E-01	4.16E-02	1.55E+01	6.68E-01	1.84E-04	2.36E-02	8.15E-03	7.00E-01
5400	482665.46	3853038.72	6.16E-01	1.55E-04	2.59E-02	9.80E-03	6.52E-01	8.14E-01	1.48E+01	2.59E-01	5.01E-02	1.60E+01	7.90E-01	1.88E-04	2.59E-02	9.80E-03	8.26E-01
5401	483077.95	3853844.31	6.05E-01	1.62E-04	3.36E-02	1.25E-02	6.51E-01	7.99E-01	1.55E+01	3.36E-01	6.39E-02	1.67E+01	7.76E-01	1.96E-04	3.36E-02	1.25E-02	8.22E-01
5402	483121.38	3853909.38	6.25E-01	1.56E-04	3.40E-02	1.33E-02	6.73E-01	8.26E-01	1.49E+01	3.40E-01	6.78E-02	1.62E+01	8.02E-01	1.89E-04	3.40E-02	1.33E-02	8.49E-01
5403	483492.64	3853911.49	9.93E-01	1.47E-04	3.20E-02	1.02E-02	1.04E+00	1.31E+00	1.41E+01	3.20E-01	5.20E-02	1.58E+01	1.27E+00	1.78E-04	3.20E-02	1.02E-02	1.32E+00
5404	483498.29	3854204.73	7.81E-01	1.50E-04	3.59E-02	1.30E-02	8.30E-01	1.03E+00	1.44E+01	3.59E-01	6.63E-02	1.59E+01	1.00E+00	1.82E-04	3.59E-02	1.30E-02	1.05E+00
5405	484132.44	3854662.55	9.35E-01	9.48E-05	3.91E-02	2.06E-02	9.95E-01	1.24E+00	9.09E+00	3.91E-01	1.05E-01	1.08E+01	1.20E+00	1.15E-04	3.91E-02	2.06E-02	1.26E+00
5406	484627.62	3854876.13	1.54E+00	8.87E-05	3.84E-02	1.74E-02	1.59E+00	2.03E+00	8.50E+00	3.84E-01	8.87E-02	1.10E+01	1.97E+00	1.07E-04	3.84E-02	1.74E-02	2.03E+00
5407	484756.14	3854949.04	1.50E+00	8.96E-05	3.83E-02	1.39E-02	1.55E+00	1.98E+00	8.59E+00	3.83E-01	7.09E-02	1.10E+01	1.92E+00	1.09E-04	3.83E-02	1.39E-02	1.97E+00
5408	486697.51	3856599.17	2.85E+00	1.95E-04	5.78E-02	2.99E-02	2.94E+00	3.77E+00	1.87E+01	5.78E-01	1.53E-01	2.32E+01	3.66E+00	2.37E-04	5.78E-02	2.99E-02	3.75E+00
5409	487105.31	3856962.27	3.55E+00	2.42E-04	6.39E-02	2.20E-02	3.64E+00	4.70E+00	2.32E+01	6.39E-01	1.12E-01	2.87E+01	4.56E+00	2.93E-04	6.39E-02	2.20E-02	4.64E+00
5410	487157.57	3856901.7	2.95E+00	2.40E-04	4.80E-02	1.98E-02	3.01E+00	3.89E+00	2.30E+01	4.80E-01	1.01E-01	2.75E+01	3.78E+00	2.91E-04	4.80E-02	1.98E-02	3.84E+00
5411	487173.5	3856853.74	2.68E+00	2.37E-04	3.94E-02	2.12E-02	2.74E+00	3.54E+00	2.27E+01	3.94E-01	1.08E-01	2.68E+01	3.44E+00	2.87E-04	3.94E-02	2.12E-02	3.50E+00
5412	487564.41	3856860.83	1.77E+00	2.44E-04	9.95E-02	1.70E-02	1.88E+00	2.33E+00	2.34E+01	9.95E-01	8.69E-02	2.68E+01	2.26E+00	2.96E-04	9.95E-02	1.70E-02	2.38E+00
5413	487563.31	3856931.58	1.65E+00	2.52E-04	9.75E-02	1.56E-02	1.76E+00	2.18E+00	2.42E+01	9.75E-01	7.95E-02	2.74E+01	2.11E+00	3.06E-04	9.75E-02	1.56E-02	2.22E+00
5414	487782.7	3856926.85	1.32E+00	2.57E-04	1.11E-01	1.37E-02	1.44E+00	1.74E+00	2.47E+01	1.11E+00	7.01E-02	2.76E+01	1.69E+00	3.12E-04	1.11E-01	1.37E-02	1.81E+00
5415	487782.39	3856757.07	1.47E+00	2.37E-04	9.83E-02	1.51E-02	1.58E+00	1.94E+00	2.28E+01	9.83E-01	7.69E-02	2.57E+01	1.88E+00	2.87E-04	9.83E-02	1.51E-02	1.99E+00
5416	487917.26	3856752.41	1.29E+00	2.43E-04	7.44E-02	1.35E-02	1.38E+00	1.71E+00	2.33E+01	7.44E-01	6.91E-02	2.59E+01	1.66E+00	2.95E-04	7.44E-02	1.35E-02	1.75E+00
5417	487919.57	3856953.35	1.19E+00	2.65E-04	8.90E-02	1.20E-02	1.29E+00	1.57E+00	2.54E+01	8.90E-01	6.12E-02	2.79E+01	1.52E+00	3.21E-04	8.90E-02	1.20E-02	1.62E+00
5418	487932.76	3857000.32	1.16E+00	2.68E-04	8.92E-02	1.11E-02	1.26E+00	1.54E+00	2.57E+01	8.92E-01	5.66E-02	2.82E+01	1.49E+00	3.25E-04	8.92E-02	1.11E-02	1.59E+00
5419	487960.5	3857044.75	1.11E+00	2.75E-04	8.49E-02	9.93E-03	1.21E+00	1.47E+00	2.63E+01	8.49E-01	5.07E-02	2.87E+01	1.42E+00	3.33E-04	8.49E-02	9.93E-03	1.52E+00
5420	488016.54	3857089.54	1.02E+00	2.81E-04	7.06E-02	9.14E-03	1.10E+00	1.35E+00	2.70E+01	7.06E-01	4.67E-02	2.91E+01	1.31E+00	3.41E-04	7.06E-02	9.14E-03	1.39E+00
5421	488114.39	3857165.47	8.97E-01	2.95E-04	6.02E-02	8.90E-03	9.67E-01	1.19E+00	2.83E+01	6.02E-01	4.55E-02	3.01E+01	1.15E+00	3.57E-04	6.02E-02	8.90E-03	1.22E+00
5422	488171.49	3857234.24	8.57E-01	3.08E-04	6.39E-02	8.62E-03	9.30E-01	1.13E+00	2.96E+01	6.39E-01	4.40E-02	3.14E+01	1.10E+00	3.73E-04	6.39E-02	8.62E-03	1.17E+00
5423	488193.16	3857297.8	8.66E-01	3.21E-04	6.96E-02	8.86E-03	9.45E-01	1.14E+00	3.08E+01	6.96E-01	4.53E-02	3.26E+01	1.11E+00	3.89E-04	6.96E-02	8.86E-03	1.19E+00
5424	488189.27	3857649.94	1.01E+00	3.75E-04	1.34E-01	1.66E-02	1.16E+00	1.33E+00	3.59E+01	1.34E+00	8.46E-02	3.87E+01	1.29E+00	4.54E-04	1.34E-01	1.66E-02	1.44E+00
5425	488127.43	3857732.32	8.54E-01	4.01E-04	1.95E-01	1.80E-02	1.07E+00	1.13E+00	3.84E+01	1.95E+00	9.21E-02	4.16E+01	1.09E+00	4.86E-04	1.95E-01	1.80E-02	1.31E+00

5426	488149.93	3857752.94	8.24E-01	4.06E-04	1.79E-01	1.83E-02	1.02E+00	1.09E+00	3.90E+01	1.79E+00	9.34E-02	4.20E+01	1.06E+00	4.92E-04	1.79E-01	1.83E-02	1.25E+00
5427	488144.76	3857758.71	8.05E-01	4.07E-04	1.88E-01	1.84E-02	1.01E+00	1.06E+00	3.91E+01	1.88E+00	9.39E-02	4.21E+01	1.03E+00	4.94E-04	1.88E-01	1.84E-02	1.24E+00
5428	488335.58	3857932.55	6.43E-01	4.99E-04	3.04E-01	1.37E-02	9.61E-01	8.49E-01	4.79E+01	3.04E+00	6.98E-02	5.18E+01	8.24E-01	6.05E-04	3.04E-01	1.37E-02	1.14E+00
5429	488372.29	3857943.79	6.09E-01	5.02E-04	3.08E-01	1.47E-02	9.32E-01	8.05E-01	4.82E+01	3.08E+00	7.49E-02	5.21E+01	7.81E-01	6.08E-04	3.08E-01	1.47E-02	1.10E+00
5430	488828.64	3857936.4	7.66E-01	3.64E-04	1.93E-01	1.43E-02	9.73E-01	1.01E+00	3.49E+01	1.93E+00	7.28E-02	3.79E+01	9.82E-01	4.41E-04	1.93E-01	1.43E-02	1.19E+00
5431	488829.08	3857959.58	7.60E-01	3.70E-04	1.87E-01	1.40E-02	9.61E-01	1.00E+00	3.55E+01	1.87E+00	7.14E-02	3.85E+01	9.75E-01	4.49E-04	1.87E-01	1.40E-02	1.18E+00
5432	488351.61	3857964.55	6.62E-01	5.12E-04	4.31E-01	1.54E-02	1.11E+00	8.74E-01	4.91E+01	4.31E+00	7.85E-02	5.44E+01	8.48E-01	6.21E-04	4.31E-01	1.54E-02	1.29E+00
5433	488316.87	3857947.65	6.85E-01	5.05E-04	3.25E-01	1.38E-02	1.02E+00	9.05E-01	4.84E+01	3.25E+00	7.07E-02	5.27E+01	8.79E-01	6.12E-04	3.25E-01	1.38E-02	1.22E+00
5434	488129.1	3857775.77	7.44E-01	4.12E-04	2.07E-01	1.86E-02	9.70E-01	9.82E-01	3.95E+01	2.07E+00	9.52E-02	4.26E+01	9.53E-01	4.99E-04	2.07E-01	1.86E-02	1.18E+00
5435	488062.53	3857846.13	8.98E-01	4.32E-04	3.72E-01	1.95E-02	1.29E+00	1.19E+00	4.14E+01	3.72E+00	9.98E-02	4.64E+01	1.15E+00	5.23E-04	3.72E-01	1.95E-02	1.54E+00
5436	488330.41	3858091.34	7.61E-01	5.51E-04	7.10E-01	2.08E-02	1.49E+00	1.01E+00	5.28E+01	7.10E+00	1.06E-01	6.11E+01	9.76E-01	6.68E-04	7.10E-01	2.08E-02	1.71E+00
5437	488470.87	3858174.45	6.97E-01	5.63E-04	4.35E-01	1.77E-02	1.15E+00	9.21E-01	5.40E+01	4.35E+00	9.04E-02	5.94E+01	8.94E-01	6.82E-04	4.35E-01	1.77E-02	1.35E+00
5438	488568.9	3858262.31	6.52E-01	5.44E-04	2.93E-01	1.26E-02	9.58E-01	8.61E-01	5.21E+01	2.93E+00	6.45E-02	5.60E+01	8.36E-01	6.59E-04	2.93E-01	1.26E-02	1.14E+00
5439	488964.27	3858025.71	7.27E-01	3.92E-04	1.49E-01	1.32E-02	8.89E-01	9.60E-01	3.76E+01	1.49E+00	6.74E-02	4.01E+01	9.32E-01	4.75E-04	1.49E-01	1.32E-02	1.09E+00
5440	489147.25	3857956.64	6.59E-01	3.76E-04	1.13E-01	1.45E-02	7.87E-01	8.71E-01	3.60E+01	1.13E+00	7.42E-02	3.81E+01	8.45E-01	4.55E-04	1.13E-01	1.45E-02	9.73E-01
5441	489343.52	3857932.45	6.08E-01	3.61E-04	9.85E-02	1.33E-02	7.20E-01	8.03E-01	3.46E+01	9.85E-01	6.80E-02	3.65E+01	7.80E-01	4.37E-04	9.85E-02	1.33E-02	8.92E-01
5442	489866.19	3857923.19	4.78E-01	2.63E-04	9.67E-02	1.36E-02	5.88E-01	6.31E-01	2.52E+01	9.67E-01	6.95E-02	2.69E+01	6.13E-01	3.18E-04	9.67E-02	1.36E-02	7.23E-01
5443	489955.65	3857902.27	4.41E-01	2.52E-04	9.65E-02	1.35E-02	5.51E-01	5.83E-01	2.41E+01	9.65E-01	6.88E-02	2.57E+01	5.66E-01	3.05E-04	9.65E-02	1.35E-02	6.76E-01
5444	490079.44	3857847.9	3.73E-01	2.46E-04	9.43E-02	1.29E-02	4.81E-01	4.93E-01	2.36E+01	9.43E-01	6.59E-02	2.51E+01	4.78E-01	2.98E-04	9.43E-02	1.29E-02	5.86E-01
5445	490108.49	3857934.13	4.09E-01	2.47E-04	9.56E-02	1.29E-02	5.18E-01	5.40E-01	2.37E+01	9.56E-01	6.58E-02	2.53E+01	5.24E-01	3.00E-04	9.56E-02	1.29E-02	6.33E-01
5446	489884.48	3858014.17	5.08E-01	2.66E-04	9.28E-02	1.38E-02	6.15E-01	6.71E-01	2.55E+01	9.28E-01	7.05E-02	2.72E+01	6.51E-01	3.22E-04	9.28E-02	1.38E-02	7.58E-01
5447	489326.56	3858025.86	6.15E-01	3.82E-04	1.04E-01	1.33E-02	7.33E-01	8.12E-01	3.67E+01	1.04E+00	6.81E-02	3.86E+01	7.88E-01	4.63E-04	1.04E-01	1.33E-02	9.06E-01
5448	489130.38	3858056.71	7.01E-01	3.91E-04	1.25E-01	1.51E-02	8.42E-01	9.26E-01	3.75E+01	1.25E+00	7.71E-02	3.97E+01	8.99E-01	4.73E-04	1.25E-01	1.51E-02	1.04E+00
5449	488936.49	3858143.93	6.31E-01	4.17E-04	1.66E-01	1.33E-02	8.11E-01	8.33E-01	3.99E+01	1.66E+00	6.79E-02	4.25E+01	8.09E-01	5.05E-04	1.66E-01	1.33E-02	9.89E-01
5450	488638.08	3858327.45	6.29E-01	5.61E-04	2.13E-01	1.21E-02	8.54E-01	8.31E-01	5.38E+01	2.13E+00	6.17E-02	5.68E+01	8.06E-01	6.79E-04	2.13E-01	1.21E-02	1.03E+00
5451	488663.79	3858349.57	6.21E-01	5.64E-04	1.90E-01	1.28E-02	8.24E-01	8.21E-01	5.41E+01	1.90E+00	6.52E-02	5.69E+01	7.97E-01	6.84E-04	1.90E-01	1.28E-02	1.00E+00
5452	488694.56	3858349.5	6.14E-01	5.57E-04	1.94E-01	1.32E-02	8.22E-01	8.11E-01	5.34E+01	1.94E+00	6.77E-02	5.62E+01	7.87E-01	6.74E-04	1.94E-01	1.32E-02	9.95E-01
5453	488694.35	3858336.75	6.13E-01	5.51E-04	2.05E-01	1.32E-02	8.32E-01	8.10E-01	5.28E+01	2.05E+00	6.72E-02	5.58E+01	7.86E-01	6.67E-04	2.05E-01	1.32E-02	1.00E+00
5454	488712.81	3858336.38	6.06E-01	5.46E-04	2.02E-01	1.34E-02	8.22E-01	8.00E-01	5.24E+01	2.02E+00	6.83E-02	5.53E+01	7.76E-01	6.62E-04	2.02E-01	1.34E-02	9.93E-01
5455	488713.23	3858367.46	6.08E-01	5.61E-04	1.79E-01	1.36E-02	8.01E-01	8.03E-01	5.38E+01	1.79E+00	6.93E-02	5.64E+01	7.80E-01	6.79E-04	1.79E-01	1.36E-02	9.73E-01
5456	488704.63	3858384.05	6.09E-01	5.71E-04	1.58E-01	1.36E-02	7.81E-01	8.04E-01	5.47E+01	1.58E+00	6.94E-02	5.72E+01	7.80E-01	6.91E-04	1.58E-01	1.36E-02	9.53E-01
5457	488604.15	3858488.29	6.21E-01	6.43E-04	1.46E-01	1.27E-02	7.80E-01	8.20E-01	6.17E+01	1.46E+00	6.47E-02	6.40E+01	7.96E-01	7.79E-04	1.46E-01	1.27E-02	9.55E-01
5458	488605.66	3858550.47	6.15E-01	6.66E-04	1.17E-01	1.33E-02	7.46E-01	8.13E-01	6.39E+01	1.17E+00	6.77E-02	6.59E+01	7.89E-01	8.07E-04	1.17E-01	1.33E-02	9.20E-01
5459	488692.68	3858548.71	5.88E-01	6.47E-04	1.13E-01	1.45E-02	7.16E-01	7.77E-01	6.21E+01	1.13E+00	7.39E-02	6.41E+01	7.54E-01	7.84E-04	1.13E-01	1.45E-02	8.82E-01
5460	488759.93	3858461.81	5.84E-01	5.87E-04	1.24E-01	1.41E-02	7.24E-01	7.72E-01	5.63E+01	1.24E+00	7.22E-02	5.83E+01	7.49E-01	7.11E-04	1.24E-01	1.41E-02	8.89E-01
5461	488816.57	3858541.79	5.53E-01	6.32E-04	1.08E-01	1.64E-02	6.79E-01	7.31E-01	6.06E+01	1.08E+00	8.37E-02	6.25E+01	7.09E-01	7.66E-04	1.08E-01	1.64E-02	8.35E-01
5462	488944.63	3858656.77	5.14E-01	7.47E-04	8.63E-02	1.62E-02	6.18E-01	6.79E-01	7.16E+01	8.63E-01	8.27E-02	7.32E+01	6.59E-01	9.04E-04	8.63E-02	1.62E-02	7.63E-01
5463	489134.91	3858830.7	4.66E-01	1.00E-03	8.28E-02	1.22E-02	5.62E-01	6.15E-01	9.64E+01	8.28E-01	6.25E-02	9.79E+01	5.97E-01	1.22E-03	8.28E-02	1.22E-02	6.93E-01
5464	489193.99	3858886.05	4.54E-01	1.08E-03	8.11E-02	1.15E-02	5.47E-01	5.99E-01	1.04E+02	8.11E-01	5.85E-02	1.05E+02	5.81E-01	1.31E-03	8.11E-02	1.15E-02	6.75E-01
5465	489295.2	3858954.34	4.32E-01	1.12E-03	7.88E-02	1.09E-02	5.23E-01	5.71E-01	1.08E+02	7.88E-01	5.57E-02	1.09E+02	5.54E-01	1.36E-03	7.88E-02	1.09E-02	6.45E-01
5466	489295.64	3858992.74	4.33E-01	1.16E-03	7.71E-02	1.10E-02	5.22E-01	5.72E-01	1.11E+02	7.71E-01	5.60E-02	1.13E+02	5.55E-01	1.41E-03	7.71E-02	1.10E-02	6.45E-01
5467	489183.74	3858911.72	4.57E-01	1.13E-03	7.96E-02	1.11E-02	5.49E-01	6.04E-01	1.09E+02	7.96E-01	5.68E-02	1.10E+02	5.86E-01	1.37E-03	7.96E-02	1.11E-02	6.78E-01
5468	488873.37	3858625.59	5.30E-01	7.19E-04	8.89E-02	1.53E-02	6.35E-01	7.00E-01	6.89E+01	8.89E-01	7.79E-02	7.06E+01	6.79E-01	8.71E-04	8.89E-02	1.53E-02	7.84E-01
5469	488842.84	3858658.69	5.42E-01	7.69E-04	8.20E-02	1.51E-02	6.40E-01	7.16E-01	7.38E+01	8.20E-01	7.73E-02	7.54E+01	6.95E-01	9.32E-04	8.20E-02	1.51E-02	7.93E-01
5470	488856.39	3858670.93	5.39E-01	7.82E-04	8.21E-02	1.51E-02	6.37E-01	7.11E-01	7.50E+01	8.21E-01	7.70E-02	7.66E+01	6.90E-01	9.47E-04	8.21E-02	1.51E-02	7.89E-01
5471	488805.7	3858724.5	5.48E-01	8.90E-04	7.15E-02	1.48E-02	6.35E-01	7.24E-01	8.53E+01	7.15E-01	7.58E-02	8.69E+01	7.02E-01	1.08E-03	7.15E-02	1.48E-02	7.90E-01
5472	488805.87	3858804.16	5.50E-01	1.12E-03	5.74E-02	1.46E-02	6.23E-01	7.27E-01	1.07E+02	5.74E-01	7.48E-02	1.08E+02	7.05E-01	1.35E-03	5.74E-02	1.46E-02	7.79E-01
5473	488995.78	3858936.96	4.88E-01	1.35E-03	6.19E-02	1.65E-02	5.68E-01	6.45E-01	1.30E+02	6.19E-01	8.43E-02	1.31E+02	6.26E-01	1.64E-03	6.19E-02	1.65E-02	7.06E-01
5474	489130.76	3859017.38	4.61E-01	1.30E-03	6.54E-02	1.21E-02	5.40E-01	6.09E-01	1.25E+02	6.54E-01	6.20E-02	1.26E+02	5.91E-01	1.58E-03	6.54E-02	1.21E-02	6.71E-01
5475	489130.92	3859052.24	4.57E-01	1.30E-03	6.09E-02	1.11E-02	5.31E-01	6.04E-01	1.25E+02	6.09E-01	5.68E-02	1.26E+02	5.86E-01	1.57E-03	6.09E-02	1.11E-02	6.60E-01
5476	489200.33	3859090.6	4.44E-01	1.24E-03	6.25E-02	1.08E-02	5.19E-01	5.87E-01	1.19E+02	6.25E-01	5.54E-02	1.21E+02	5.69E-01	1.51E-03	6.25E-02	1.08E-02	6.44E-01
5477	489296.07	3859143.7	4.26E-01	1.17E-03	6.38E-02	1.11E-02	5.02E-01	5.63E-01	1.12E+02	6.38E-01	5.68E-02	1.13E+02	5.46E-01	1.42E-03	6.38E-02	1.11E-02	6.22E-01
5478	489296.43	3858954.74	4.32E-01	1.12E-03	7.88E-02	1.09E-02	5.23E-01	5.71E-01	1.08E+02	7.88E-01	5.58E-02	1.09E+02	5.54E-01	1.36E-03	7.88E-02	1.09E-02	6.45E-01
5479	489410.33	3859033.19	4.18E-01	1.10E-03	7.59E-02	1.11E-02	5.06E-01	5.52E-01	1.05E+02	7.59E-01	5.68E-02	1.07E+02	5.36E-01	1.33E-03	7.59E-02	1.11E-02	6.24E-01
5480	489371.37	3859089.8	4.18E-01	1.13E-03	7.27E-02	1.11E-02	5.03E-01	5.52E-01	1.08E+02	7.27E-01	5.69E-02	1.10E+02	5.36E-01	1.37E-03	7.27E-02	1.11E-02	6.21E-01
5481	489390.52	3859102.82	4.14E-01	1.11E-03	7.23E-02	1.12E-02	4.99E-01	5.47E-01	1.07E+02	7.23E-01	5.71E-02	1.08E+02	5.31E-01	1.35E-03	7.23E-02	1.12E-02	6.16E-01
5482	489382.3	3859114.53	4.15E-01	1.11E-03	7.13E-02	1.12E-02	4.99E-01	5.49E-01	1.07E+02	7.13E-01	5.71E-02	1.08E+02	5.33E-01	1.35E-03	7.13E-02	1.12E-02	6.16E-01
5483	489363.04	3859102.45	4.19E-01	1.13E-03	7.15E-02	1.11E-02	5.03E-01	5.54E-01	1.08E+02	7.15E-01	5.69E-02	1.10E+02	5.37E-01	1.37E-03	7.15E-02	1.11E-02	6.21E-01
5484	489337.52	3859140.71	4.21E-01	1.14E-03	6.68E-02	1.12E-02	5.00E-01	5.56E-01	1.10E+02	6.68E-01	5.71E-02	1.11E+02	5.39E-01	1.38E-03	6.68E-02	1.12E-02	6.19E-01
5485	489375.14	3859164.55	4.14E-01	1.11E-03	6.67E-02	1.12E-02	4.93E-01	5.47E-01	1.06E+02	6.67E-01	5.75E-02	1.07E+02	5.30E-01	1.34E-03	6.67E-02	1.12E-02	6.10E-01
5486	489409.3	3859114.5	4.11E-01	1.10E-03	7.21E-02	1.12E-02	4.95E-01	5.42E-01	1.05E+02	7.21E-01	5.73E-02	1.07E+02	5.26E-01	1.33E-03	7.21E-02	1.12E-02	6.11E-01

5487	489434.87	3859131.81	4.06E-01	1.07E-03	7.17E-02	1.12E-02	4.90E-01	5.37E-01	1.03E+02	7.17E-01	5.74E-02	1.04E+02	5.21E-01	1.30E-03	7.17E-02	1.12E-02	6.05E-01
5488	489471.87	3859075.75	4.10E-01	1.06E-03	7.44E-02	1.12E-02	4.97E-01	5.42E-01	1.01E+02	7.44E-01	5.72E-02	1.03E+02	5.26E-01	1.28E-03	7.44E-02	1.12E-02	6.13E-01
5489	489602.62	3859164.69	3.94E-01	9.49E-04	7.13E-02	1.12E-02	4.78E-01	5.21E-01	9.10E+01	7.13E-01	5.74E-02	9.23E+01	5.06E-01	1.15E-03	7.13E-02	1.12E-02	5.89E-01
5490	489558.29	3859232.45	3.84E-01	9.36E-04	6.85E-02	1.12E-02	4.65E-01	5.08E-01	8.98E+01	6.85E-01	5.74E-02	9.10E+01	4.93E-01	1.13E-03	6.85E-02	1.12E-02	5.74E-01
5491	489620.11	3859273.56	3.74E-01	8.85E-04	6.74E-02	1.11E-02	4.53E-01	4.94E-01	8.49E+01	6.74E-01	5.66E-02	8.61E+01	4.79E-01	1.07E-03	6.74E-02	1.11E-02	5.59E-01
5492	489666.06	3859206.42	3.87E-01	8.95E-04	6.98E-02	1.12E-02	4.69E-01	5.11E-01	8.58E+01	6.98E-01	5.70E-02	8.71E+01	4.96E-01	1.08E-03	6.98E-02	1.12E-02	5.78E-01
5493	489787.9	3859285.65	3.74E-01	8.05E-04	6.70E-02	1.09E-02	4.53E-01	4.94E-01	7.72E+01	6.70E-01	5.54E-02	7.84E+01	4.79E-01	9.75E-04	6.70E-02	1.09E-02	5.58E-01
5494	489752.17	3859343.13	3.53E-01	8.07E-04	6.59E-02	1.08E-02	4.31E-01	4.67E-01	7.74E+01	6.59E-01	5.49E-02	7.86E+01	4.53E-01	9.78E-04	6.59E-02	1.08E-02	5.31E-01
5495	489814.94	3859385.33	3.45E-01	7.78E-04	6.48E-02	1.06E-02	4.21E-01	4.55E-01	7.46E+01	6.48E-01	5.44E-02	7.58E+01	4.42E-01	9.42E-04	6.48E-02	1.06E-02	5.18E-01
5496	489853.42	3859330.74	3.66E-01	7.57E-04	6.56E-02	1.07E-02	4.43E-01	4.84E-01	7.26E+01	6.56E-01	5.46E-02	7.38E+01	4.69E-01	9.17E-04	6.56E-02	1.07E-02	5.47E-01
5497	489969.5	3859401.91	3.55E-01	7.03E-04	6.32E-02	1.06E-02	4.29E-01	4.69E-01	6.74E+01	6.32E-01	5.40E-02	6.86E+01	4.55E-01	8.52E-04	6.32E-02	1.06E-02	5.30E-01
5498	490166.91	3859486.96	3.39E-01	6.45E-04	5.87E-02	1.07E-02	4.09E-01	4.47E-01	6.19E+01	5.87E-01	5.45E-02	6.30E+01	4.34E-01	7.82E-04	5.87E-02	1.07E-02	5.04E-01
5499	490128.86	3859571.46	3.23E-01	6.54E-04	5.93E-02	1.10E-02	3.94E-01	4.27E-01	6.27E+01	5.93E-01	5.61E-02	6.38E+01	4.14E-01	7.92E-04	5.93E-02	1.10E-02	4.85E-01
5500	490186.65	3859593.65	3.22E-01	6.42E-04	5.85E-02	1.10E-02	3.92E-01	4.25E-01	6.16E+01	5.85E-01	5.61E-02	6.27E+01	4.12E-01	7.78E-04	5.85E-02	1.10E-02	4.83E-01
5501	490223.74	3859517.48	3.33E-01	6.25E-04	5.76E-02	1.07E-02	4.02E-01	4.40E-01	5.99E+01	5.76E-01	5.48E-02	6.10E+01	4.27E-01	7.57E-04	5.76E-02	1.07E-02	4.96E-01
5502	490846.34	3859817.22	2.69E-01	5.03E-04	5.61E-02	1.01E-02	3.36E-01	3.56E-01	4.82E+01	5.61E-01	5.16E-02	4.92E+01	3.45E-01	6.09E-04	5.61E-02	1.01E-02	4.12E-01
5503	490925.65	3859844.59	2.59E-01	4.81E-04	5.68E-02	9.86E-03	3.27E-01	3.43E-01	4.61E+01	5.68E-01	5.03E-02	4.71E+01	3.33E-01	5.83E-04	5.68E-02	9.86E-03	4.00E-01
5504	491159.29	3859896.28	2.18E-01	4.54E-04	5.86E-02	1.01E-02	2.88E-01	2.89E-01	4.36E+01	5.86E-01	5.15E-02	4.45E+01	2.80E-01	5.50E-04	5.86E-02	1.01E-02	3.49E-01
5505	491370.69	3859960.89	1.89E-01	4.25E-04	5.71E-02	1.02E-02	2.57E-01	2.50E-01	4.08E+01	5.71E-01	5.19E-02	4.17E+01	2.42E-01	5.15E-04	5.71E-02	1.02E-02	3.10E-01
5506	491330.28	3860063.17	2.13E-01	3.97E-04	5.22E-02	9.92E-03	2.76E-01	2.81E-01	3.81E+01	5.22E-01	5.07E-02	3.89E+01	2.73E-01	4.81E-04	5.22E-02	9.92E-03	3.36E-01
5507	491636.45	3860180.75	1.78E-01	3.61E-04	5.21E-02	9.16E-03	2.39E-01	2.35E-01	3.46E+01	5.21E-01	4.68E-02	3.54E+01	2.28E-01	4.37E-04	5.21E-02	9.16E-03	2.90E-01
5508	491617.94	3860203.93	1.86E-01	3.64E-04	5.09E-02	8.95E-03	2.46E-01	2.46E-01	3.49E+01	5.09E-01	4.57E-02	3.57E+01	2.38E-01	4.41E-04	5.09E-02	8.95E-03	2.99E-01
5509	491805.68	3860271.59	1.65E-01	3.53E-04	5.07E-02	8.51E-03	2.25E-01	2.18E-01	3.38E+01	5.07E-01	4.35E-02	3.46E+01	2.12E-01	4.27E-04	5.07E-02	8.51E-03	2.71E-01
5510	491654.23	3860414.02	2.09E-01	3.64E-04	4.08E-02	8.60E-03	2.59E-01	2.76E-01	3.49E+01	4.08E-01	4.39E-02	3.57E+01	2.68E-01	4.41E-04	4.08E-02	8.60E-03	3.18E-01
5511	491592.62	3860510.76	2.14E-01	3.66E-04	4.05E-02	8.79E-03	2.64E-01	2.83E-01	3.51E+01	4.05E-01	4.49E-02	3.58E+01	2.75E-01	4.43E-04	4.05E-02	8.79E-03	3.24E-01
5512	491475.41	3860368.93	2.20E-01	3.83E-04	4.10E-02	8.68E-03	2.70E-01	2.91E-01	3.67E+01	4.10E-01	4.44E-02	3.75E+01	2.82E-01	4.64E-04	4.10E-02	8.68E-03	3.33E-01
5513	491445.61	3860337.28	2.22E-01	3.86E-04	4.10E-02	8.71E-03	2.72E-01	2.93E-01	3.70E+01	4.10E-01	4.45E-02	3.77E+01	2.84E-01	4.67E-04	4.10E-02	8.71E-03	3.35E-01
5514	491399.05	3860300.37	2.25E-01	3.90E-04	4.12E-02	8.79E-03	2.76E-01	2.97E-01	3.74E+01	4.12E-01	4.49E-02	3.82E+01	2.89E-01	4.73E-04	4.12E-02	8.79E-03	3.39E-01
5515	491228.84	3860235.98	2.37E-01	4.12E-04	4.28E-02	9.40E-03	2.89E-01	3.13E-01	3.95E+01	4.28E-01	4.80E-02	4.03E+01	3.03E-01	4.99E-04	4.28E-02	9.40E-03	3.56E-01
5516	491228.47	3860174.57	2.37E-01	3.99E-04	4.21E-02	1.02E-02	2.90E-01	3.13E-01	3.82E+01	4.21E-01	5.21E-02	3.90E+01	3.04E-01	4.83E-04	4.21E-02	1.02E-02	3.57E-01
5517	491145.77	3860112.55	2.44E-01	4.18E-04	4.32E-02	1.12E-02	2.99E-01	3.23E-01	4.01E+01	4.32E-01	5.70E-02	4.09E+01	3.13E-01	5.06E-04	4.32E-02	1.12E-02	3.68E-01
5518	490844.41	3859966.22	2.73E-01	4.75E-04	4.85E-02	1.22E-02	3.34E-01	3.61E-01	4.56E+01	4.85E-01	6.25E-02	4.65E+01	3.50E-01	5.76E-04	4.85E-02	1.22E-02	4.11E-01
5519	490845.55	3859928.15	2.74E-01	4.79E-04	4.80E-02	1.12E-02	3.34E-01	3.62E-01	4.60E+01	4.80E-01	5.74E-02	4.69E+01	3.51E-01	5.81E-04	4.80E-02	1.12E-02	4.11E-01
5520	490046.91	3859625.6	3.09E-01	6.71E-04	5.75E-02	1.12E-02	3.79E-01	4.09E-01	6.44E+01	5.75E-01	5.72E-02	6.54E+01	3.97E-01	8.13E-04	5.75E-02	1.12E-02	4.66E-01
5521	489970.48	3859589.4	3.19E-01	6.87E-04	5.79E-02	1.12E-02	3.89E-01	4.22E-01	6.59E+01	5.79E-01	5.71E-02	6.70E+01	4.09E-01	8.33E-04	5.79E-02	1.12E-02	4.79E-01
5522	489865.89	3859529.06	3.33E-01	7.27E-04	5.94E-02	1.10E-02	4.05E-01	4.41E-01	6.97E+01	5.94E-01	5.60E-02	7.08E+01	4.28E-01	8.81E-04	5.94E-02	1.10E-02	4.99E-01
5523	489826.89	3859531.74	3.37E-01	7.38E-04	6.00E-02	1.10E-02	4.09E-01	4.46E-01	7.08E+01	6.00E-01	5.61E-02	7.19E+01	4.33E-01	8.94E-04	6.00E-02	1.10E-02	5.04E-01
5524	489410.47	3859303.06	3.97E-01	9.93E-04	5.50E-02	1.12E-02	4.64E-01	5.24E-01	9.52E+01	5.50E-01	5.74E-02	9.64E+01	5.09E-01	1.20E-03	5.50E-02	1.12E-02	5.76E-01
5525	489407.15	3859286.09	3.99E-01	1.01E-03	5.65E-02	1.13E-02	4.68E-01	5.27E-01	9.67E+01	5.65E-01	5.77E-02	9.78E+01	5.12E-01	1.22E-03	5.65E-02	1.13E-02	5.81E-01
5526	488806.07	3858963.62	6.30E-01	1.68E-03	5.85E-02	1.73E-02	7.07E-01	8.32E-01	1.61E+02	5.85E-01	8.85E-02	1.62E+02	8.07E-01	2.03E-03	5.85E-02	1.73E-02	8.85E-01
5527	488817.64	3859546.3	4.01E-01	1.54E-03	4.85E-02	3.37E-02	4.85E-01	5.30E-01	1.47E+02	4.85E-01	1.72E-01	1.49E+02	5.14E-01	1.86E-03	4.85E-02	3.37E-02	5.98E-01
5528	489187.25	3859549.52	4.70E-01	1.03E-03	5.57E-02	1.69E-02	5.43E-01	6.21E-01	9.90E+01	5.57E-01	8.61E-02	1.00E+02	6.02E-01	1.25E-03	5.57E-02	1.69E-02	6.76E-01
5529	489187.66	3859523.74	4.85E-01	1.06E-03	5.44E-02	1.75E-02	5.58E-01	6.40E-01	1.02E+02	5.44E-01	8.95E-02	1.03E+02	6.21E-01	1.28E-03	5.44E-02	1.75E-02	6.95E-01
5530	489232.59	3859522.85	4.99E-01	1.03E-03	5.14E-02	1.61E-02	5.67E-01	6.59E-01	9.87E+01	5.14E-01	8.20E-02	1.00E+02	6.39E-01	1.25E-03	5.14E-02	1.61E-02	7.08E-01
5531	489224.98	3859759.91	3.46E-01	8.11E-04	5.50E-02	1.68E-02	4.19E-01	4.58E-01	7.78E+01	5.50E-01	8.59E-02	7.89E+01	4.44E-01	9.83E-04	5.50E-02	1.68E-02	5.17E-01
5532	488401.39	3859763.34	3.23E-01	1.83E-03	3.66E-02	4.48E-02	4.06E-01	4.26E-01	1.76E+02	3.66E-01	2.29E-01	1.77E+02	4.13E-01	2.22E-03	3.66E-02	4.48E-02	4.97E-01
5533	488405.51	3859966.16	3.27E-01	1.90E-03	4.00E-02	8.53E-02	4.55E-01	4.33E-01	1.82E+02	4.00E-01	4.35E-01	1.84E+02	4.20E-01	2.30E-03	4.00E-02	8.53E-02	5.47E-01
5534	489202.85	3859956.57	3.43E-01	9.01E-04	4.55E-02	3.33E-02	4.22E-01	4.53E-01	8.64E+01	4.55E-01	1.70E-01	8.75E+01	4.39E-01	1.09E-03	4.55E-02	3.33E-02	5.19E-01
5535	489191.9	3860676.74	2.03E-01	1.50E-03	3.91E-02	2.43E-02	2.68E-01	2.69E-01	1.44E+02	3.91E-01	1.24E-01	1.45E+02	2.61E-01	1.82E-03	3.91E-02	2.43E-02	3.26E-01
5536	488392.82	3860687.88	2.36E-01	1.22E-03	4.17E-02	2.24E-02	3.01E-01	3.11E-01	1.17E+02	4.17E-01	1.14E-01	1.18E+02	3.02E-01	1.48E-03	4.17E-02	2.24E-02	3.68E-01
5537	488392.82	3860760.27	2.29E-01	1.08E-03	4.18E-02	2.15E-02	2.94E-01	3.03E-01	1.04E+02	4.18E-01	1.10E-01	1.05E+02	2.94E-01	1.31E-03	4.18E-02	2.15E-02	3.59E-01
5538	487549.05	3860777.45	2.36E-01	9.65E-04	6.58E-02	2.10E-02	3.24E-01	3.12E-01	9.25E+01	6.58E-01	1.07E-01	9.36E+01	3.02E-01	1.17E-03	6.58E-02	2.10E-02	3.90E-01
5539	487554.62	3859571.83	3.10E-01	1.62E-03	2.81E-02	4.84E-02	3.88E-01	4.10E-01	1.55E+02	2.81E-01	2.47E-01	1.56E+02	3.98E-01	1.96E-03	2.81E-02	4.84E-02	4.76E-01
5540	485949.46	3859558.54	2.29E-01	6.98E-04	4.54E-02	2.85E-02	3.04E-01	3.03E-01	6.70E+01	4.54E-01	1.46E-01	6.79E+01	2.94E-01	8.46E-04	4.54E-02	2.85E-02	3.69E-01
5541	485947.55	3857943.61	5.70E-01	1.11E-03	8.44E-02	1.46E-02	6.70E-01	7.52E-01	1.06E+02	8.44E-01	7.44E-02	1.08E+02	7.30E-01	1.34E-03	8.44E-02	1.46E-02	8.31E-01
5542	484738.38	3857940.21	4.61E-01	5.54E-04	6.48E-02	1.40E-02	5.40E-01	6.09E-01	5.31E+01	6.48E-01	7.15E-02	5.44E+01	5.91E-01	6.71E-04	6.48E-02	1.40E-02	6.70E-01
5543	484737.06	3857535.68	5.48E-01	8.98E-04	4.84E-02	1.80E-02	6.16E-01	7.24E-01	8.61E+01	4.84E-01	9.21E-02	8.74E+01	7.03E-01	1.09E-03	4.84E-02	1.80E-02	7.70E-01
5544	483730.2	3857530.13	4.43E-01	7.29E-04	4.85E-02	2.99E-02	5.22E-01	5.85E-01	6.99E+01	4.85E-01	1.52E-01	7.12E+01	5.68E-01	8.83E-04	4.85E-02	2.99E-02	6.47E-01
5545	483727.27	3857130.01	4.23E-01	1.23E-03	4.25E-02	3.41E-02	5.01E-01	5.59E-01	1.18E+02	4.25E-01	1.74E-01	1.19E+02	5.42E-01	1.49E-03	4.25E-02	3.41E-02	6.20E-01
5546	483124.42	3857123.45	3.73E-01	7.40E-04	3.89E-02	1.67E-02	4.29E-01	4.92E-01	7.09E+01	3.89E-01	8.54E-02	7.19E+01	4.78E-01	8.96E-04	3.89E-02	1.67E-02	5.34E-01
5547	483111.13	3855921.03	5.95E-01	1.17E-03	4.63E-02	2.37E-02	6.66E-01	7.86E-01	1.12E+02	4.63E-01	1.21E-01	1.14E+02	7.63E-01	1.42E-03	4.63E-02	2.37E-02	8.34E-01

5548	482701.73	3855918.24	5.38E-01	8.82E-04	4.26E-02	1.86E-02	6.00E-01	7.10E-01	8.46E+01	4.26E-01	9.49E-02	8.59E+01	6.89E-01	1.07E-03	4.26E-02	1.86E-02	7.52E-01
5549	482668.02	3853521.78	4.83E-01	1.70E-04	3.18E-02	1.21E-02	5.27E-01	6.38E-01	1.63E+01	3.18E-01	6.17E-02	1.73E+01	6.19E-01	2.06E-04	3.18E-02	1.21E-02	6.63E-01
5550	482579.91	3853219.19	4.51E-01	1.63E-04	2.93E-02	9.70E-03	4.90E-01	5.96E-01	1.57E+01	2.93E-01	4.96E-02	1.66E+01	5.78E-01	1.98E-04	2.93E-02	9.70E-03	6.17E-01
5551	482434.06	3852961.94	4.37E-01	1.60E-04	2.70E-02	8.91E-03	4.73E-01	5.77E-01	1.53E+01	2.70E-01	4.55E-02	1.62E+01	5.60E-01	1.93E-04	2.70E-02	8.91E-03	5.96E-01
5552	482332.11	3852832.85	4.42E-01	1.56E-04	2.61E-02	8.39E-03	4.77E-01	5.84E-01	1.49E+01	2.61E-01	4.28E-02	1.58E+01	5.67E-01	1.89E-04	2.61E-02	8.39E-03	6.01E-01
5553	481334.99	3851818.96	3.19E-01	1.31E-04	2.13E-02	5.42E-03	3.46E-01	4.21E-01	1.26E+01	2.13E-01	2.77E-02	1.33E+01	4.09E-01	1.59E-04	2.13E-02	5.42E-03	4.35E-01
5554	481127.62	3851646.36	2.84E-01	1.28E-04	2.09E-02	5.13E-03	3.10E-01	3.75E-01	1.23E+01	2.09E-01	2.62E-02	1.29E+01	3.64E-01	1.55E-04	2.09E-02	5.13E-03	3.90E-01
5555	481025.04	3851591.73	2.61E-01	1.34E-04	2.11E-02	4.97E-03	2.87E-01	3.45E-01	1.28E+01	2.11E-01	2.54E-02	1.34E+01	3.35E-01	1.62E-04	2.11E-02	4.97E-03	3.61E-01
5556	480513.6	3851335.76	2.40E-01	1.37E-04	2.18E-02	5.11E-03	2.67E-01	3.17E-01	1.31E+01	2.18E-01	2.61E-02	1.37E+01	3.07E-01	1.66E-04	2.18E-02	5.11E-03	3.34E-01
5557	480523.56	3851317.66	2.43E-01	1.37E-04	2.16E-02	5.15E-03	2.70E-01	3.21E-01	1.31E+01	2.16E-01	2.63E-02	1.37E+01	3.12E-01	1.66E-04	2.16E-02	5.15E-03	3.39E-01
5558	476921.56	3849569.11	1.28E-01	1.25E-04	1.71E-02	8.10E-03	1.54E-01	1.70E-01	1.20E+01	1.71E-01	4.14E-02	1.24E+01	1.65E-01	1.51E-04	1.71E-02	8.10E-03	1.90E-01
5559	476521.19	3849373.96	1.28E-01	1.13E-04	1.61E-02	8.30E-03	1.53E-01	1.69E-01	1.08E+01	1.61E-01	4.24E-02	1.12E+01	1.64E-01	1.37E-04	1.61E-02	8.30E-03	1.89E-01
5560	476391.45	3849333.38	1.26E-01	1.08E-04	1.57E-02	8.41E-03	1.50E-01	1.67E-01	1.04E+01	1.57E-01	4.30E-02	1.07E+01	1.62E-01	1.31E-04	1.57E-02	8.41E-03	1.86E-01
5561	476219.41	3849304.29	1.37E-01	1.21E-04	1.50E-02	8.59E-03	1.60E-01	1.81E-01	1.16E+01	1.50E-01	4.39E-02	1.20E+01	1.75E-01	1.47E-04	1.50E-02	8.59E-03	1.99E-01
5562	475679.11	3849218.47	1.26E-01	1.25E-04	1.27E-02	8.85E-03	1.47E-01	1.66E-01	1.20E+01	1.27E-01	4.52E-02	1.24E+01	1.61E-01	1.52E-04	1.27E-02	8.85E-03	1.83E-01
5563	475677.71	3849233.88	1.23E-01	1.26E-04	1.26E-02	8.86E-03	1.44E-01	1.62E-01	1.21E+01	1.26E-01	4.53E-02	1.24E+01	1.57E-01	1.52E-04	1.26E-02	8.86E-03	1.79E-01
5564	475492.74	3849204.66	1.24E-01	9.15E-05	1.17E-02	8.83E-03	1.45E-01	1.64E-01	8.77E+00	1.17E-01	4.51E-02	9.10E+00	1.59E-01	1.11E-04	1.17E-02	8.83E-03	1.80E-01
5565	475497.64	3849158.75	1.19E-01	1.03E-04	1.20E-02	8.80E-03	1.40E-01	1.57E-01	9.92E+00	1.20E-01	4.50E-02	1.02E+01	1.53E-01	1.25E-04	1.20E-02	8.80E-03	1.74E-01
5566	475391.35	3849141.94	1.29E-01	1.05E-04	1.16E-02	8.77E-03	1.49E-01	1.70E-01	1.01E+01	1.16E-01	4.48E-02	1.04E+01	1.65E-01	1.28E-04	1.16E-02	8.77E-03	1.86E-01
5567	475277	3849095.47	1.31E-01	1.02E-04	1.13E-02	8.70E-03	1.51E-01	1.73E-01	9.79E+00	1.13E-01	4.45E-02	1.01E+01	1.68E-01	1.24E-04	1.13E-02	8.70E-03	1.88E-01
5568	475183.93	3849025.66	1.29E-01	9.98E-05	1.12E-02	8.64E-03	1.49E-01	1.70E-01	9.57E+00	1.12E-01	4.41E-02	9.89E+00	1.65E-01	1.21E-04	1.12E-02	8.64E-03	1.85E-01
5569	474453.23	3848378.77	1.11E-01	9.40E-05	1.13E-02	8.16E-03	1.30E-01	1.46E-01	9.01E+00	1.13E-01	4.17E-02	9.31E+00	1.42E-01	1.14E-04	1.13E-02	8.16E-03	1.61E-01
5570	474569.63	3848399.34	1.20E-01	9.82E-05	1.17E-02	8.19E-03	1.40E-01	1.58E-01	9.42E+00	1.17E-01	4.18E-02	9.73E+00	1.54E-01	1.19E-04	1.17E-02	8.19E-03	1.74E-01
5571	474644.33	3848464.52	1.19E-01	9.97E-05	1.17E-02	8.24E-03	1.39E-01	1.58E-01	9.56E+00	1.17E-01	4.21E-02	9.87E+00	1.53E-01	1.21E-04	1.17E-02	8.24E-03	1.73E-01
5572	474719.04	3848529.7	1.18E-01	1.01E-04	1.17E-02	8.29E-03	1.39E-01	1.56E-01	9.64E+00	1.17E-01	4.23E-02	9.96E+00	1.52E-01	1.22E-04	1.17E-02	8.29E-03	1.72E-01
5573	474793.74	3848594.88	1.17E-01	9.98E-05	1.17E-02	8.34E-03	1.38E-01	1.55E-01	9.57E+00	1.17E-01	4.26E-02	9.88E+00	1.51E-01	1.21E-04	1.17E-02	8.34E-03	1.71E-01
5574	474868.45	3848660.07	1.16E-01	9.77E-05	1.17E-02	8.39E-03	1.36E-01	1.53E-01	9.37E+00	1.17E-01	4.28E-02	9.69E+00	1.49E-01	1.18E-04	1.17E-02	8.39E-03	1.69E-01
5575	474943.15	3848725.25	1.14E-01	9.72E-05	1.17E-02	8.44E-03	1.34E-01	1.51E-01	9.32E+00	1.17E-01	4.31E-02	9.63E+00	1.46E-01	1.18E-04	1.17E-02	8.44E-03	1.67E-01
5576	475017.86	3848790.43	1.13E-01	9.89E-05	1.17E-02	8.49E-03	1.33E-01	1.49E-01	9.49E+00	1.17E-01	4.34E-02	9.80E+00	1.45E-01	1.20E-04	1.17E-02	8.49E-03	1.65E-01
5577	475092.56	3848855.61	1.12E-01	1.02E-04	1.17E-02	8.54E-03	1.32E-01	1.48E-01	9.74E+00	1.17E-01	4.36E-02	1.00E+01	1.44E-01	1.23E-04	1.17E-02	8.54E-03	1.64E-01
5578	475232.58	3848959.38	1.13E-01	1.06E-04	1.18E-02	8.63E-03	1.33E-01	1.49E-01	1.02E+01	1.18E-01	4.41E-02	1.05E+01	1.45E-01	1.28E-04	1.18E-02	8.63E-03	1.65E-01
5579	475368.47	3849029.98	1.19E-01	1.09E-04	1.21E-02	8.69E-03	1.39E-01	1.57E-01	1.04E+01	1.21E-01	4.44E-02	1.07E+01	1.52E-01	1.32E-04	1.21E-02	8.69E-03	1.73E-01
5580	475609.57	3849096.09	1.37E-01	1.12E-04	1.30E-02	8.72E-03	1.58E-01	1.80E-01	1.08E+01	1.30E-01	4.46E-02	1.11E+01	1.75E-01	1.36E-04	1.30E-02	8.72E-03	1.97E-01
5581	475680.68	3849116.62	1.41E-01	1.18E-04	1.32E-02	8.72E-03	1.63E-01	1.86E-01	1.13E+01	1.32E-01	4.45E-02	1.17E+01	1.80E-01	1.43E-04	1.32E-02	8.72E-03	2.02E-01
5582	475843.76	3849151.52	1.45E-01	1.21E-04	1.39E-02	8.67E-03	1.68E-01	1.92E-01	1.16E+01	1.39E-01	4.43E-02	1.20E+01	1.86E-01	1.47E-04	1.39E-02	8.67E-03	2.09E-01
5583	475935.73	3849165.89	1.42E-01	1.23E-04	1.43E-02	8.62E-03	1.65E-01	1.87E-01	1.18E+01	1.43E-01	4.40E-02	1.22E+01	1.82E-01	1.49E-04	1.43E-02	8.62E-03	2.05E-01
5584	476027.71	3849180.27	1.37E-01	1.22E-04	1.47E-02	8.54E-03	1.60E-01	1.80E-01	1.17E+01	1.47E-01	4.36E-02	1.21E+01	1.75E-01	1.48E-04	1.47E-02	8.54E-03	1.98E-01
5585	476119.68	3849194.64	1.35E-01	1.13E-04	1.50E-02	8.46E-03	1.58E-01	1.78E-01	1.08E+01	1.50E-01	4.32E-02	1.12E+01	1.73E-01	1.36E-04	1.50E-02	8.46E-03	1.96E-01
5586	476211.65	3849209.01	1.29E-01	1.05E-04	1.54E-02	8.37E-03	1.53E-01	1.70E-01	1.01E+01	1.54E-01	4.27E-02	1.04E+01	1.65E-01	1.27E-04	1.54E-02	8.37E-03	1.89E-01
5587	476497.81	3849283.9	1.29E-01	1.04E-04	1.64E-02	8.07E-03	1.53E-01	1.70E-01	1.00E+01	1.64E-01	4.12E-02	1.04E+01	1.65E-01	1.26E-04	1.64E-02	8.07E-03	1.90E-01
5588	476603.73	3849323.77	1.34E-01	1.08E-04	1.67E-02	7.98E-03	1.58E-01	1.76E-01	1.04E+01	1.67E-01	4.08E-02	1.08E+01	1.71E-01	1.31E-04	1.67E-02	7.98E-03	1.96E-01
5589	476728.99	3849382.76	1.38E-01	1.10E-04	1.70E-02	7.90E-03	1.63E-01	1.82E-01	1.05E+01	1.70E-01	4.03E-02	1.09E+01	1.77E-01	1.33E-04	1.70E-02	7.90E-03	2.02E-01
5590	476801.27	3849418.65	1.39E-01	1.11E-04	1.72E-02	7.85E-03	1.65E-01	1.84E-01	1.06E+01	1.72E-01	4.01E-02	1.10E+01	1.79E-01	1.34E-04	1.72E-02	7.85E-03	2.04E-01
5591	476956.2	3849495.05	1.41E-01	1.14E-04	1.75E-02	7.75E-03	1.67E-01	1.87E-01	1.09E+01	1.75E-01	3.96E-02	1.13E+01	1.81E-01	1.38E-04	1.75E-02	7.75E-03	2.07E-01
5592	477038.84	3849535.56	1.44E-01	1.15E-04	1.77E-02	7.69E-03	1.69E-01	1.90E-01	1.10E+01	1.77E-01	3.93E-02	1.14E+01	1.84E-01	1.39E-04	1.77E-02	7.69E-03	2.10E-01
5593	477121.49	3849576.08	1.44E-01	1.17E-04	1.79E-02	7.62E-03	1.69E-01	1.90E-01	1.12E+01	1.79E-01	3.89E-02	1.16E+01	1.84E-01	1.41E-04	1.79E-02	7.62E-03	2.10E-01
5594	477204.13	3849616.6	1.45E-01	1.16E-04	1.81E-02	7.55E-03	1.71E-01	1.92E-01	1.11E+01	1.81E-01	3.86E-02	1.15E+01	1.86E-01	1.40E-04	1.81E-02	7.55E-03	2.12E-01
5595	477286.78	3849657.12	1.50E-01	1.15E-04	1.82E-02	7.48E-03	1.76E-01	1.98E-01	1.10E+01	1.82E-01	3.82E-02	1.14E+01	1.92E-01	1.39E-04	1.82E-02	7.48E-03	2.18E-01
5596	477369.42	3849697.63	1.44E-01	1.30E-04	1.84E-02	7.41E-03	1.70E-01	1.90E-01	1.25E+01	1.84E-01	3.78E-02	1.29E+01	1.84E-01	1.58E-04	1.84E-02	7.41E-03	2.10E-01
5597	477452.07	3849738.15	1.44E-01	1.36E-04	1.86E-02	7.33E-03	1.70E-01	1.90E-01	1.31E+01	1.86E-01	3.74E-02	1.35E+01	1.85E-01	1.65E-04	1.86E-02	7.33E-03	2.11E-01
5598	477534.71	3849778.67	1.38E-01	1.48E-04	1.88E-02	7.25E-03	1.64E-01	1.83E-01	1.42E+01	1.88E-01	3.70E-02	1.46E+01	1.77E-01	1.80E-04	1.88E-02	7.25E-03	2.03E-01
5599	477617.36	3849819.18	1.38E-01	1.54E-04	1.90E-02	7.17E-03	1.64E-01	1.82E-01	1.47E+01	1.90E-01	3.66E-02	1.52E+01	1.77E-01	1.86E-04	1.90E-02	7.17E-03	2.03E-01
5600	477824.74	3849896.37	1.40E-01	1.70E-04	1.94E-02	6.84E-03	1.67E-01	1.85E-01	1.63E+01	1.94E-01	3.49E-02	1.67E+01	1.80E-01	2.06E-04	1.94E-02	6.84E-03	2.06E-01
5601	477906.31	3849936.37	1.48E-01	1.65E-04	1.96E-02	6.75E-03	1.75E-01	1.96E-01	1.58E+01	1.96E-01	3.45E-02	1.62E+01	1.90E-01	2.00E-04	1.96E-02	6.75E-03	2.16E-01
5602	477987.89	3849976.36	1.46E-01	1.72E-04	1.97E-02	6.65E-03	1.72E-01	1.93E-01	1.65E+01	1.97E-01	3.40E-02	1.69E+01	1.87E-01	2.08E-04	1.97E-02	6.65E-03	2.13E-01
5603	478069.47	3850016.36	1.49E-01	1.68E-04	1.98E-02	6.55E-03	1.76E-01	1.97E-01	1.61E+01	1.98E-01	3.35E-02	1.65E+01	1.91E-01	2.03E-04	1.98E-02	6.55E-03	2.18E-01
5604	478151.04	3850056.35	1.51E-01	1.64E-04	2.00E-02	6.45E-03	1.77E-01	1.99E-01	1.57E+01	2.00E-01	3.30E-02	1.61E+01	1.93E-01	1.98E-04	2.00E-02	6.45E-03	2.20E-01
5605	478232.62	3850096.35	1.48E-01	1.66E-04	2.01E-02	6.35E-03	1.75E-01	1.95E-01	1.59E+01	2.01E-01	3.24E-02	1.63E+01	1.90E-01	2.01E-04	2.01E-02	6.35E-03	2.16E-01
5606	478314.2	3850136.34	1.56E-01	1.68E-04	2.02E-02	6.25E-03	1.83E-01	2.06E-01	1.61E+01	2.02E-01	3.19E-02	1.66E+01	2.00E-01	2.04E-04	2.02E-02	6.25E-03	2.27E-01
5607	478395.77	3850176.34	1.65E-01	1.70E-04	2.04E-02	6.14E-03	1.92E-01	2.18E-01	1.63E+01	2.04E-01	3.14E-02	1.68E+01	2.11E-01	2.06E-04	2.04E-02	6.14E-03	2.38E-01
5608	478575.43	3850244.45	1.86E-01	1.71E-04	2.06E-02	5.82E-03	2.12E-01	2.45E-01	1.64E+01	2.06E-01	2.97E-02	1.69E+01	2.38E-01	2.07E-04	2.06E-02	5.82E-03	2.65E-01

5609	478665.06	3850287.29	1.92E-01	1.71E-04	2.07E-02	5.69E-03	2.18E-01	2.53E-01	1.64E+01	2.07E-01	2.91E-02	1.68E+01	2.46E-01	2.07E-04	2.07E-02	5.69E-03	2.72E-01
5610	478754.69	3850330.14	1.95E-01	1.70E-04	2.08E-02	5.57E-03	2.22E-01	2.58E-01	1.63E+01	2.08E-01	2.84E-02	1.68E+01	2.50E-01	2.06E-04	2.08E-02	5.57E-03	2.77E-01
5611	478844.32	3850372.99	1.95E-01	1.69E-04	2.09E-02	5.62E-03	2.22E-01	2.58E-01	1.63E+01	2.09E-01	2.87E-02	1.67E+01	2.50E-01	2.05E-04	2.09E-02	5.62E-03	2.77E-01
5612	478933.95	3850415.84	1.76E-01	1.69E-04	2.10E-02	5.57E-03	2.02E-01	2.32E-01	1.62E+01	2.10E-01	2.85E-02	1.67E+01	2.25E-01	2.05E-04	2.10E-02	5.57E-03	2.52E-01
5613	479023.58	3850458.68	1.96E-01	1.63E-04	2.10E-02	6.07E-03	2.23E-01	2.58E-01	1.56E+01	2.10E-01	3.10E-02	1.61E+01	2.51E-01	1.98E-04	2.10E-02	6.07E-03	2.78E-01
5614	479110.66	3850441.91	1.77E-01	1.53E-04	2.08E-02	6.42E-03	2.04E-01	2.34E-01	1.47E+01	2.08E-01	3.28E-02	1.51E+01	2.27E-01	1.85E-04	2.08E-02	6.42E-03	2.54E-01
5615	479191.22	3850423.99	1.78E-01	1.41E-04	2.06E-02	6.93E-03	2.06E-01	2.36E-01	1.36E+01	2.06E-01	3.54E-02	1.40E+01	2.29E-01	1.71E-04	2.06E-02	6.93E-03	2.56E-01
5616	479274.32	3850465.71	1.81E-01	1.37E-04	2.06E-02	7.14E-03	2.09E-01	2.39E-01	1.31E+01	2.06E-01	3.65E-02	1.36E+01	2.32E-01	1.66E-04	2.06E-02	7.14E-03	2.60E-01
5617	479357.43	3850507.42	1.83E-01	1.31E-04	2.06E-02	7.76E-03	2.12E-01	2.42E-01	1.26E+01	2.06E-01	3.97E-02	1.31E+01	2.35E-01	1.59E-04	2.06E-02	7.76E-03	2.63E-01
5618	479440.53	3850549.14	2.07E-01	1.25E-04	2.05E-02	8.52E-03	2.37E-01	2.74E-01	1.20E+01	2.05E-01	4.35E-02	1.25E+01	2.66E-01	1.52E-04	2.05E-02	8.52E-03	2.95E-01
5619	479523.64	3850590.85	2.11E-01	1.20E-04	2.05E-02	8.98E-03	2.41E-01	2.79E-01	1.16E+01	2.05E-01	4.59E-02	1.21E+01	2.71E-01	1.46E-04	2.05E-02	8.98E-03	3.00E-01
5620	479606.74	3850632.57	2.10E-01	1.17E-04	2.05E-02	9.11E-03	2.40E-01	2.78E-01	1.12E+01	2.05E-01	4.65E-02	1.17E+01	2.69E-01	1.42E-04	2.05E-02	9.11E-03	2.99E-01
5621	479777.37	3850707.61	2.20E-01	1.09E-04	2.02E-02	9.38E-03	2.50E-01	2.91E-01	1.04E+01	2.02E-01	4.79E-02	1.10E+01	2.82E-01	1.32E-04	2.02E-02	9.38E-03	3.12E-01
5622	479864.9	3850740.95	2.32E-01	1.05E-04	2.01E-02	9.12E-03	2.61E-01	3.06E-01	1.01E+01	2.01E-01	4.66E-02	1.06E+01	2.97E-01	1.27E-04	2.01E-02	9.12E-03	3.26E-01
5623	479931.87	3850829.57	2.24E-01	1.09E-04	2.05E-02	8.58E-03	2.53E-01	2.96E-01	1.04E+01	2.05E-01	4.38E-02	1.10E+01	2.87E-01	1.32E-04	2.05E-02	8.58E-03	3.17E-01
5624	479995.55	3850926.75	2.02E-01	1.16E-04	2.10E-02	7.46E-03	2.31E-01	2.67E-01	1.11E+01	2.10E-01	3.81E-02	1.16E+01	2.59E-01	1.40E-04	2.10E-02	7.46E-03	2.88E-01
5625	480079.78	3850968.64	2.12E-01	1.14E-04	2.09E-02	6.91E-03	2.40E-01	2.80E-01	1.09E+01	2.09E-01	3.53E-02	1.14E+01	2.72E-01	1.38E-04	2.09E-02	6.91E-03	3.00E-01
5626	480164.01	3851010.54	2.21E-01	1.14E-04	2.08E-02	6.45E-03	2.49E-01	2.92E-01	1.09E+01	2.08E-01	3.30E-02	1.14E+01	2.83E-01	1.38E-04	2.08E-02	6.45E-03	3.11E-01
5627	480248.23	3851052.43	2.29E-01	1.20E-04	2.07E-02	6.03E-03	2.56E-01	3.02E-01	1.15E+01	2.07E-01	3.08E-02	1.21E+01	2.93E-01	1.46E-04	2.07E-02	6.03E-03	3.20E-01
5628	480332.46	3851094.33	2.35E-01	1.26E-04	2.06E-02	5.86E-03	2.61E-01	3.10E-01	1.21E+01	2.06E-01	2.99E-02	1.26E+01	3.01E-01	1.52E-04	2.06E-02	5.86E-03	3.28E-01
5629	480416.69	3851136.22	2.39E-01	1.29E-04	2.05E-02	5.97E-03	2.66E-01	3.16E-01	1.24E+01	2.05E-01	3.05E-02	1.29E+01	3.07E-01	1.56E-04	2.05E-02	5.97E-03	3.33E-01
5630	480579.95	3851215.17	2.42E-01	1.33E-04	2.02E-02	5.93E-03	2.68E-01	3.20E-01	1.27E+01	2.02E-01	3.03E-02	1.33E+01	3.11E-01	1.61E-04	2.02E-02	5.93E-03	3.37E-01
5631	480658.98	3851252.22	2.40E-01	1.33E-04	2.00E-02	5.82E-03	2.66E-01	3.17E-01	1.28E+01	2.00E-01	2.97E-02	1.33E+01	3.08E-01	1.61E-04	2.00E-02	5.82E-03	3.34E-01
5632	480817.36	3851327.85	2.64E-01	1.29E-04	1.96E-02	5.65E-03	2.89E-01	3.49E-01	1.23E+01	1.96E-01	2.88E-02	1.29E+01	3.38E-01	1.56E-04	1.96E-02	5.65E-03	3.64E-01
5633	480896.72	3851366.43	2.85E-01	1.25E-04	1.94E-02	5.62E-03	3.10E-01	3.76E-01	1.19E+01	1.94E-01	2.87E-02	1.25E+01	3.65E-01	1.51E-04	1.94E-02	5.62E-03	3.90E-01
5634	480976.07	3851405	3.06E-01	1.20E-04	1.92E-02	5.55E-03	3.31E-01	4.04E-01	1.15E+01	1.92E-01	2.84E-02	1.22E+01	3.92E-01	1.46E-04	1.92E-02	5.55E-03	4.17E-01
5635	481178	3851487.31	3.60E-01	1.25E-04	1.84E-02	5.37E-03	3.84E-01	4.76E-01	1.20E+01	1.84E-01	2.74E-02	1.27E+01	4.62E-01	1.51E-04	1.84E-02	5.37E-03	4.86E-01
5636	481244.9	3851557.17	3.68E-01	1.28E-04	1.87E-02	5.32E-03	3.92E-01	4.86E-01	1.23E+01	1.87E-01	2.72E-02	1.30E+01	4.71E-01	1.56E-04	1.87E-02	5.32E-03	4.96E-01
5637	481311.81	3851627.03	3.76E-01	1.31E-04	1.90E-02	5.40E-03	4.00E-01	4.96E-01	1.26E+01	1.90E-01	2.76E-02	1.33E+01	4.81E-01	1.59E-04	1.90E-02	5.40E-03	5.06E-01
5638	481378.71	3851696.89	3.84E-01	1.33E-04	1.92E-02	5.49E-03	4.09E-01	5.07E-01	1.27E+01	1.92E-01	2.80E-02	1.35E+01	4.92E-01	1.61E-04	1.92E-02	5.49E-03	5.17E-01
5639	481445.61	3851766.76	3.92E-01	1.34E-04	1.95E-02	5.57E-03	4.17E-01	5.18E-01	1.29E+01	1.95E-01	2.84E-02	1.36E+01	5.03E-01	1.62E-04	1.95E-02	5.57E-03	5.28E-01
5640	481512.51	3851836.62	4.01E-01	1.34E-04	1.98E-02	5.65E-03	4.27E-01	5.30E-01	1.29E+01	1.98E-01	2.88E-02	1.36E+01	5.14E-01	1.63E-04	1.98E-02	5.65E-03	5.40E-01
5641	481579.42	3851906.48	4.10E-01	1.34E-04	2.01E-02	5.72E-03	4.36E-01	5.42E-01	1.29E+01	2.01E-01	2.92E-02	1.36E+01	5.26E-01	1.62E-04	2.01E-02	5.72E-03	5.52E-01
5642	481646.32	3851976.34	4.20E-01	1.34E-04	2.04E-02	5.80E-03	4.46E-01	5.55E-01	1.28E+01	2.04E-01	2.96E-02	1.36E+01	5.38E-01	1.62E-04	2.04E-02	5.80E-03	5.65E-01
5643	481713.22	3852046.2	4.31E-01	1.32E-04	2.07E-02	5.88E-03	4.57E-01	5.69E-01	1.26E+01	2.07E-01	3.00E-02	1.34E+01	5.52E-01	1.59E-04	2.07E-02	5.88E-03	5.79E-01
5644	481780.12	3852116.06	4.41E-01	1.32E-04	2.10E-02	5.95E-03	4.68E-01	5.82E-01	1.27E+01	2.10E-01	3.04E-02	1.35E+01	5.65E-01	1.60E-04	2.10E-02	5.95E-03	5.92E-01
5645	481847.03	3852185.92	4.51E-01	1.33E-04	2.13E-02	6.15E-03	4.78E-01	5.95E-01	1.28E+01	2.13E-01	3.14E-02	1.36E+01	5.78E-01	1.62E-04	2.13E-02	6.15E-03	6.05E-01
5646	481913.93	3852255.78	4.60E-01	1.35E-04	2.17E-02	6.45E-03	4.89E-01	6.08E-01	1.30E+01	2.17E-01	3.29E-02	1.38E+01	5.90E-01	1.64E-04	2.17E-02	6.45E-03	6.19E-01
5647	481980.83	3852325.65	4.70E-01	1.38E-04	2.20E-02	6.75E-03	4.99E-01	6.20E-01	1.32E+01	2.20E-01	3.45E-02	1.41E+01	6.02E-01	1.67E-04	2.20E-02	6.75E-03	6.31E-01
5648	482047.73	3852395.51	4.81E-01	1.39E-04	2.24E-02	7.06E-03	5.10E-01	6.35E-01	1.34E+01	2.24E-01	3.61E-02	1.43E+01	6.16E-01	1.69E-04	2.24E-02	7.06E-03	6.46E-01
5649	482114.64	3852465.37	4.91E-01	1.42E-04	2.27E-02	7.39E-03	5.21E-01	6.48E-01	1.36E+01	2.27E-01	3.77E-02	1.45E+01	6.29E-01	1.72E-04	2.27E-02	7.39E-03	6.60E-01
5650	482181.54	3852535.23	5.04E-01	1.45E-04	2.31E-02	7.70E-03	5.35E-01	6.66E-01	1.39E+01	2.31E-01	3.94E-02	1.48E+01	6.46E-01	1.76E-04	2.31E-02	7.70E-03	6.77E-01
5651	482338.69	3852700.05	5.35E-01	1.55E-04	2.40E-02	8.46E-03	5.67E-01	7.06E-01	1.49E+01	2.40E-01	4.32E-02	1.59E+01	6.85E-01	1.88E-04	2.40E-02	8.46E-03	7.18E-01
5652	482404.05	3852767.78	5.49E-01	1.56E-04	2.44E-02	8.76E-03	5.82E-01	7.25E-01	1.50E+01	2.44E-01	4.47E-02	1.60E+01	7.04E-01	1.89E-04	2.44E-02	8.76E-03	7.37E-01
5653	482469.4	3852835.52	5.64E-01	1.56E-04	2.47E-02	9.05E-03	5.98E-01	7.45E-01	1.49E+01	2.47E-01	4.62E-02	1.60E+01	7.23E-01	1.89E-04	2.47E-02	9.05E-03	7.57E-01
5654	482534.75	3852903.25	5.81E-01	1.53E-04	2.51E-02	9.32E-03	6.16E-01	7.68E-01	1.47E+01	2.51E-01	4.76E-02	1.58E+01	7.45E-01	1.86E-04	2.51E-02	9.32E-03	7.80E-01
5655	482600.11	3852970.99	5.98E-01	1.53E-04	2.55E-02	9.58E-03	6.33E-01	7.90E-01	1.47E+01	2.55E-01	4.89E-02	1.58E+01	7.66E-01	1.86E-04	2.55E-02	9.58E-03	8.02E-01
5656	482706.71	3853119.28	6.05E-01	1.55E-04	2.68E-02	9.97E-03	6.42E-01	7.99E-01	1.49E+01	2.68E-01	5.09E-02	1.60E+01	7.76E-01	1.88E-04	2.68E-02	9.97E-03	8.13E-01
5657	482747.96	3853199.84	5.83E-01	1.56E-04	2.77E-02	1.02E-02	6.21E-01	7.71E-01	1.50E+01	2.77E-01	5.18E-02	1.61E+01	7.48E-01	1.89E-04	2.77E-02	1.02E-02	7.86E-01
5658	482789.21	3853280.4	5.53E-01	1.61E-04	2.85E-02	1.03E-02	5.92E-01	7.31E-01	1.55E+01	2.85E-01	5.27E-02	1.65E+01	7.09E-01	1.95E-04	2.85E-02	1.03E-02	7.49E-01
5659	482830.46	3853360.96	5.18E-01	1.68E-04	2.94E-02	1.05E-02	5.58E-01	6.84E-01	1.62E+01	2.94E-01	5.36E-02	1.72E+01	6.64E-01	2.04E-04	2.94E-02	1.05E-02	7.04E-01
5660	482871.71	3853441.52	5.16E-01	1.75E-04	3.02E-02	1.07E-02	5.57E-01	6.81E-01	1.67E+01	3.02E-01	5.44E-02	1.78E+01	6.61E-01	2.12E-04	3.02E-02	1.07E-02	7.02E-01
5661	482912.95	3853522.07	5.27E-01	1.75E-04	3.10E-02	1.08E-02	5.69E-01	6.96E-01	1.68E+01	3.10E-01	5.51E-02	1.78E+01	6.76E-01	2.12E-04	3.10E-02	1.08E-02	7.18E-01
5662	482954.2	3853602.63	5.25E-01	1.75E-04	3.17E-02	1.09E-02	5.68E-01	6.94E-01	1.68E+01	3.17E-01	5.58E-02	1.78E+01	6.74E-01	2.12E-04	3.17E-02	1.09E-02	7.16E-01
5663	482995.45	3853683.19	5.58E-01	1.72E-04	3.24E-02	1.10E-02	6.02E-01	7.38E-01	1.65E+01	3.24E-01	5.64E-02	1.76E+01	7.16E-01	2.08E-04	3.24E-02	1.10E-02	7.60E-01
5664	483036.7	3853763.75	5.82E-01	1.69E-04	3.30E-02	1.13E-02	6.26E-01	7.68E-01	1.62E+01	3.30E-01	5.76E-02	1.74E+01	7.46E-01	2.05E-04	3.30E-02	1.13E-02	7.90E-01
5665	483214.2	3853909.91	6.53E-01	1.44E-04	3.38E-02	1.09E-02	6.97E-01	8.62E-01	1.38E+01	3.38E-01	5.58E-02	1.51E+01	8.37E-01	1.75E-04	3.38E-02	1.09E-02	8.81E-01
5666	483307.01	3853910.44	6.66E-01	1.50E-04	3.35E-02	1.07E-02	7.10E-01	8.79E-01	1.44E+01	3.35E-01	5.47E-02	1.57E+01	8.53E-01	1.82E-04	3.35E-02	1.07E-02	8.98E-01
5667	483399.83	3853910.96	7.88E-01	1.50E-04	3.28E-02	1.05E-02	8.31E-01	1.04E+00	1.44E+01	3.28E-01	5.35E-02	1.58E+01	1.01E+00	1.81E-04	3.28E-02	1.05E-02	1.05E+00
5668	483494.52	3854009.24	8.32E-01	1.51E-04	3.36E-02	1.05E-02	8.77E-01	1.10E+00	1.45E+01	3.36E-01	5.35E-02	1.59E+01	1.07E+00	1.83E-04	3.36E-02	1.05E-02	1.11E+00
5669	483496.41	3854106.98	7.48E-01	1.53E-04	3.49E-02	1.12E-02	7.94E-01	9.88E-01	1.47E+01	3.49E-01	5.74E-02	1.61E+01	9.59E-01	1.85E-04	3.49E-02	1.12E-02	1.01E+00

5670	483577.56	3854261.96	8.15E-01	1.43E-04	3.63E-02	1.10E-02	8.62E-01	1.08E+00	1.37E+01	3.63E-01	5.61E-02	1.52E+01	1.04E+00	1.73E-04	3.63E-02	1.10E-02	1.09E+00
5671	483656.83	3854319.19	9.11E-01	1.35E-04	3.66E-02	1.08E-02	9.59E-01	1.20E+00	1.29E+01	3.66E-01	5.53E-02	1.45E+01	1.17E+00	1.63E-04	3.66E-02	1.08E-02	1.22E+00
5672	483736.1	3854376.41	9.82E-01	1.26E-04	3.70E-02	1.14E-02	1.03E+00	1.30E+00	1.21E+01	3.70E-01	5.83E-02	1.39E+01	1.26E+00	1.53E-04	3.70E-02	1.14E-02	1.31E+00
5673	483815.37	3854433.64	1.02E+00	1.19E-04	3.74E-02	1.32E-02	1.07E+00	1.35E+00	1.14E+01	3.74E-01	6.73E-02	1.32E+01	1.31E+00	1.44E-04	3.74E-02	1.32E-02	1.36E+00
5674	483894.63	3854490.87	1.03E+00	1.12E-04	3.78E-02	1.55E-02	1.08E+00	1.36E+00	1.07E+01	3.78E-01	7.90E-02	1.25E+01	1.32E+00	1.35E-04	3.78E-02	1.55E-02	1.37E+00
5675	483973.9	3854548.1	1.01E+00	1.04E-04	3.82E-02	1.74E-02	1.07E+00	1.34E+00	1.00E+01	3.82E-01	8.91E-02	1.18E+01	1.30E+00	1.26E-04	3.82E-02	1.74E-02	1.36E+00
5676	484053.17	3854605.32	9.91E-01	1.00E-04	3.87E-02	1.85E-02	1.05E+00	1.31E+00	9.61E+00	3.87E-01	9.44E-02	1.14E+01	1.27E+00	1.21E-04	3.87E-02	1.85E-02	1.33E+00
5677	484214.97	3854698.15	9.83E-01	9.44E-05	3.92E-02	2.28E-02	1.05E+00	1.30E+00	9.05E+00	3.92E-01	1.17E-01	1.09E+01	1.26E+00	1.14E-04	3.92E-02	2.28E-02	1.32E+00
5678	484297.5	3854733.74	1.20E+00	9.55E-05	3.92E-02	2.34E-02	1.27E+00	1.59E+00	9.16E+00	3.92E-01	1.20E-01	1.13E+01	1.54E+00	1.16E-04	3.92E-02	2.34E-02	1.61E+00
5679	484380.03	3854769.34	1.32E+00	9.21E-05	3.92E-02	2.13E-02	1.38E+00	1.74E+00	8.83E+00	3.92E-01	1.09E-01	1.11E+01	1.69E+00	1.12E-04	3.92E-02	2.13E-02	1.75E+00
5680	484462.56	3854804.94	1.50E+00	9.24E-05	3.90E-02	2.06E-02	1.56E+00	1.99E+00	8.86E+00	3.90E-01	1.05E-01	1.13E+01	1.93E+00	1.12E-04	3.90E-02	2.06E-02	1.99E+00
5681	484545.09	3854840.53	1.52E+00	8.80E-05	3.88E-02	2.19E-02	1.58E+00	2.01E+00	8.44E+00	3.88E-01	1.12E-01	1.10E+01	1.95E+00	1.07E-04	3.88E-02	2.19E-02	2.01E+00
5682	484691.88	3854912.59	1.52E+00	8.93E-05	3.84E-02	1.49E-02	1.57E+00	2.00E+00	8.56E+00	3.84E-01	7.62E-02	1.10E+01	1.94E+00	1.08E-04	3.84E-02	1.49E-02	2.00E+00
5683	484830.81	3855012.51	1.61E+00	9.17E-05	3.88E-02	1.42E-02	1.66E+00	2.13E+00	8.79E+00	3.88E-01	7.24E-02	1.14E+01	2.06E+00	1.11E-04	3.88E-02	1.42E-02	2.12E+00
5684	484905.48	3855075.97	1.82E+00	1.00E-04	3.94E-02	2.99E-02	1.89E+00	2.40E+00	9.62E+00	3.94E-01	1.53E-01	1.26E+01	2.33E+00	1.21E-04	3.94E-02	2.99E-02	2.40E+00
5685	484980.14	3855139.44	2.07E+00	1.06E-04	3.99E-02	3.71E-02	2.14E+00	2.73E+00	1.01E+01	3.99E-01	1.90E-01	1.35E+01	2.65E+00	1.28E-04	3.99E-02	3.71E-02	2.73E+00
5686	485054.81	3855202.91	2.24E+00	1.09E-04	4.05E-02	3.40E-02	2.32E+00	2.96E+00	1.04E+01	4.05E-01	1.73E-01	1.40E+01	2.88E+00	1.32E-04	4.05E-02	3.40E-02	2.95E+00
5687	485129.48	3855266.37	2.20E+00	1.07E-04	4.11E-02	2.51E-02	2.26E+00	2.90E+00	1.02E+01	4.11E-01	1.28E-01	1.37E+01	2.82E+00	1.29E-04	4.11E-02	2.51E-02	2.88E+00
5688	485204.15	3855329.84	2.39E+00	1.14E-04	4.17E-02	3.99E-02	2.47E+00	3.16E+00	1.10E+01	4.17E-01	2.04E-01	1.47E+01	3.06E+00	1.38E-04	4.17E-02	3.99E-02	3.14E+00
5689	485278.82	3855393.31	2.42E+00	1.16E-04	4.23E-02	4.31E-02	2.50E+00	3.19E+00	1.11E+01	4.23E-01	2.20E-01	1.50E+01	3.10E+00	1.41E-04	4.23E-02	4.31E-02	3.19E+00
5690	485353.48	3855456.77	2.52E+00	1.21E-04	4.30E-02	3.84E-02	2.60E+00	3.33E+00	1.16E+01	4.30E-01	1.96E-01	1.56E+01	3.23E+00	1.47E-04	4.30E-02	3.84E-02	3.31E+00
5691	485428.15	3855520.24	2.52E+00	1.23E-04	4.37E-02	4.04E-02	2.60E+00	3.33E+00	1.18E+01	4.37E-01	2.06E-01	1.58E+01	3.23E+00	1.49E-04	4.37E-02	4.04E-02	3.31E+00
5692	485502.82	3855583.71	2.58E+00	1.26E-04	4.43E-02	3.29E-02	2.66E+00	3.41E+00	1.21E+01	4.43E-01	1.68E-01	1.61E+01	3.31E+00	1.53E-04	4.43E-02	3.29E-02	3.39E+00
5693	485577.49	3855647.17	2.90E+00	1.35E-04	4.51E-02	2.59E-02	2.97E+00	3.84E+00	1.29E+01	4.51E-01	1.33E-01	1.73E+01	3.72E+00	1.63E-04	4.51E-02	2.59E-02	3.79E+00
5694	485652.16	3855710.64	3.20E+00	1.43E-04	4.58E-02	2.37E-02	3.26E+00	4.22E+00	1.37E+01	4.58E-01	1.21E-01	1.85E+01	4.10E+00	1.74E-04	4.58E-02	2.37E-02	4.17E+00
5695	485726.83	3855774.11	3.38E+00	1.46E-04	4.66E-02	3.11E-02	3.46E+00	4.47E+00	1.40E+01	4.66E-01	1.59E-01	1.91E+01	4.34E+00	1.77E-04	4.66E-02	3.11E-02	4.41E+00
5696	485801.49	3855837.57	3.19E+00	1.45E-04	4.73E-02	3.08E-02	3.27E+00	4.21E+00	1.39E+01	4.73E-01	1.57E-01	1.87E+01	4.09E+00	1.75E-04	4.73E-02	3.08E-02	4.17E+00
5697	485876.16	3855901.04	3.36E+00	1.45E-04	4.81E-02	3.21E-02	3.44E+00	4.44E+00	1.39E+01	4.81E-01	1.64E-01	1.90E+01	4.31E+00	1.76E-04	4.81E-02	3.21E-02	4.39E+00
5698	485950.83	3855964.5	3.19E+00	1.43E-04	4.89E-02	2.82E-02	3.26E+00	4.21E+00	1.37E+01	4.89E-01	1.44E-01	1.85E+01	4.08E+00	1.73E-04	4.89E-02	2.82E-02	4.16E+00
5699	486025.5	3856027.97	3.02E+00	1.43E-04	4.97E-02	2.90E-02	3.10E+00	3.99E+00	1.37E+01	4.97E-01	1.48E-01	1.84E+01	3.87E+00	1.74E-04	4.97E-02	2.90E-02	3.95E+00
5700	486100.17	3856091.44	3.42E+00	1.58E-04	5.06E-02	2.48E-02	3.50E+00	4.52E+00	1.52E+01	5.06E-01	1.27E-01	2.03E+01	4.39E+00	1.92E-04	5.06E-02	2.48E-02	4.46E+00
5701	486174.83	3856154.9	3.13E+00	1.54E-04	5.15E-02	2.23E-02	3.21E+00	4.14E+00	1.48E+01	5.15E-01	1.14E-01	1.96E+01	4.01E+00	1.87E-04	5.15E-02	2.23E-02	4.09E+00
5702	486249.5	3856218.37	2.57E+00	1.46E-04	5.23E-02	2.21E-02	2.64E+00	3.39E+00	1.40E+01	5.23E-01	1.13E-01	1.81E+01	3.29E+00	1.77E-04	5.23E-02	2.21E-02	3.37E+00
5703	486324.17	3856281.84	2.35E+00	1.47E-04	5.32E-02	2.84E-02	2.43E+00	3.10E+00	1.41E+01	5.32E-01	1.45E-01	1.78E+01	3.01E+00	1.78E-04	5.32E-02	2.84E-02	3.09E+00
5704	486398.84	3856345.3	2.40E+00	1.56E-04	5.41E-02	3.00E-02	2.48E+00	3.16E+00	1.50E+01	5.41E-01	1.53E-01	1.88E+01	3.07E+00	1.89E-04	5.41E-02	3.00E-02	3.16E+00
5705	486473.51	3856408.77	2.37E+00	1.63E-04	5.50E-02	3.27E-02	2.46E+00	3.13E+00	1.56E+01	5.50E-01	1.67E-01	1.95E+01	3.04E+00	1.97E-04	5.50E-02	3.27E-02	3.13E+00
5706	486548.17	3856472.24	2.45E+00	1.73E-04	5.59E-02	3.30E-02	2.54E+00	3.24E+00	1.66E+01	5.59E-01	1.68E-01	2.06E+01	3.15E+00	2.10E-04	5.59E-02	3.30E-02	3.24E+00
5707	486622.84	3856535.7	2.62E+00	1.84E-04	5.69E-02	3.18E-02	2.71E+00	3.47E+00	1.76E+01	5.69E-01	1.63E-01	2.18E+01	3.36E+00	2.23E-04	5.69E-02	3.18E-02	3.45E+00
5708	486765.48	3856659.69	3.12E+00	2.07E-04	5.89E-02	2.86E-02	3.21E+00	4.13E+00	1.99E+01	5.89E-01	1.46E-01	2.48E+01	4.01E+00	2.51E-04	5.89E-02	2.86E-02	4.09E+00
5709	486833.44	3856720.2	3.36E+00	2.16E-04	6.00E-02	2.75E-02	3.45E+00	4.44E+00	2.07E+01	6.00E-01	1.41E-01	2.59E+01	4.31E+00	2.62E-04	6.00E-02	2.75E-02	4.40E+00
5710	486901.41	3856780.72	3.48E+00	2.25E-04	6.11E-02	2.57E-02	3.56E+00	4.59E+00	2.16E+01	6.11E-01	1.31E-01	2.69E+01	4.46E+00	2.72E-04	6.11E-02	2.57E-02	4.54E+00
5711	486969.38	3856841.24	3.54E+00	2.29E-04	6.21E-02	2.35E-02	3.63E+00	4.68E+00	2.19E+01	6.21E-01	1.20E-01	2.74E+01	4.54E+00	2.77E-04	6.21E-02	2.35E-02	4.63E+00
5712	487037.34	3856901.75	3.58E+00	2.34E-04	6.30E-02	2.18E-02	3.67E+00	4.73E+00	2.25E+01	6.30E-01	1.11E-01	2.80E+01	4.59E+00	2.84E-04	6.30E-02	2.18E-02	4.68E+00
5713	487271.23	3856855.51	2.41E+00	2.37E-04	4.64E-02	2.02E-02	2.48E+00	3.18E+00	2.27E+01	4.64E-01	1.03E-01	2.65E+01	3.09E+00	2.87E-04	4.64E-02	2.02E-02	3.16E+00
5714	487368.96	3856857.29	2.20E+00	2.39E-04	6.38E-02	1.92E-02	2.28E+00	2.90E+00	2.29E+01	6.38E-01	9.82E-02	2.65E+01	2.82E+00	2.89E-04	6.38E-02	1.92E-02	2.90E+00
5715	487466.68	3856859.06	1.99E+00	2.43E-04	8.27E-02	1.81E-02	2.09E+00	2.62E+00	2.33E+01	8.27E-01	9.23E-02	2.69E+01	2.55E+00	2.95E-04	8.27E-02	1.81E-02	2.65E+00
5716	487636.44	3856930	1.49E+00	2.52E-04	1.08E-01	1.50E-02	1.62E+00	1.97E+00	2.41E+01	1.08E+00	7.69E-02	2.73E+01	1.92E+00	3.05E-04	1.08E-01	1.50E-02	2.04E+00
5717	487709.57	3856928.43	1.39E+00	2.56E-04	1.13E-01	1.44E-02	1.52E+00	1.84E+00	2.45E+01	1.13E+00	7.34E-02	2.76E+01	1.78E+00	3.10E-04	1.13E-01	1.44E-02	1.91E+00
5718	487782.55	3856841.96	1.38E+00	2.47E-04	1.05E-01	1.47E-02	1.50E+00	1.83E+00	2.37E+01	1.05E+00	7.53E-02	2.67E+01	1.77E+00	3.00E-04	1.05E-01	1.47E-02	1.89E+00
5719	487849.83	3856754.74	1.38E+00	2.39E-04	8.78E-02	1.44E-02	1.48E+00	1.82E+00	2.29E+01	8.78E-01	7.34E-02	2.57E+01	1.77E+00	2.89E-04	8.78E-02	1.44E-02	1.87E+00
5720	487918.03	3856819.39	1.23E+00	2.52E-04	7.91E-02	1.31E-02	1.32E+00	1.62E+00	2.42E+01	7.91E-01	6.70E-02	2.67E+01	1.57E+00	3.05E-04	7.91E-02	1.31E-02	1.67E+00
5721	487918.8	3856886.37	1.19E+00	2.61E-04	8.40E-02	1.28E-02	1.29E+00	1.57E+00	2.51E+01	8.40E-01	6.52E-02	2.75E+01	1.53E+00	3.17E-04	8.40E-02	1.28E-02	1.62E+00
5722	488065.47	3857127.51	9.40E-01	2.90E-04	5.66E-02	9.02E-03	1.01E+00	1.24E+00	2.78E+01	5.66E-01	4.61E-02	2.96E+01	1.21E+00	3.51E-04	5.66E-02	9.02E-03	1.27E+00
5723	488192.19	3857385.84	9.41E-01	3.28E-04	8.23E-02	9.93E-03	1.03E+00	1.24E+00	3.15E+01	8.23E-01	5.07E-02	3.36E+01	1.21E+00	3.98E-04	8.23E-02	9.93E-03	1.30E+00
5724	488191.22	3857473.87	1.02E+00	3.34E-04	9.76E-02	1.09E-02	1.13E+00	1.35E+00	3.20E+01	9.76E-01	5.54E-02	3.44E+01	1.31E+00	4.04E-04	9.76E-02	1.09E-02	1.42E+00
5725	488190.24	3857561.91	1.04E+00	3.39E-04	1.13E-01	1.18E-02	1.16E+00	1.37E+00	3.25E+01	1.13E+00	6.01E-02	3.51E+01	1.33E+00	4.10E-04	1.13E-01	1.18E-02	1.45E+00
5726	488158.35	3857691.13	9.54E-01	3.89E-04	1.61E-01	1.73E-02	1.13E+00	1.26E+00	3.74E+01	1.61E+00	8.82E-02	4.03E+01	1.22E+00	4.72E-04	1.61E-01	1.73E-02	1.40E+00
5727	488208.37	3857816.66	7.14E-01	4.42E-04	2.22E-01	1.92E-02	9.55E-01	9.43E-01	4.24E+01	2.22E+00	9.81E-02	4.56E+01	9.15E-01	5.35E-04	2.22E-01	1.92E-02	1.16E+00
5728	488271.97	3857874.6	6.50E-01	4.72E-04	2.50E-01	1.62E-02	9.17E-01	8.59E-01	4.53E+01	2.50E+00	8.28E-02	4.87E+01	8.34E-01	5.72E-04	2.50E-01	1.62E-02	1.10E+00
5729	488463.56	3857942.31	6.59E-01	4.79E-04	3.40E-01	1.76E-02	1.02E+00	8.70E-01	4.60E+01	3.40E+00	9.01E-02	5.03E+01	8.45E-01	5.81E-04	3.40E-01	1.76E-02	1.20E+00
5730	488554.83	3857940.83	7.23E-01	4.35E-04	3.15E-01	1.84E-02	1.06E+00	9.55E-01	4.17E+01	3.15E+00	9.38E-02	4.59E+01	9.27E-01	5.27E-04	3.15E-01	1.84E-02	1.26E+00

5731	488646.1	3857939.36	7.61E-01	3.96E-04	2.70E-01	1.69E-02	1.05E+00	1.00E+00	3.80E+01	2.70E+00	8.64E-02	4.18E+01	9.75E-01	4.80E-04	2.70E-01	1.69E-02	1.26E+00
5732	488737.37	3857937.88	7.74E-01	3.73E-04	2.26E-01	1.54E-02	1.02E+00	1.02E+00	3.58E+01	2.26E+00	7.86E-02	3.91E+01	9.92E-01	4.52E-04	2.26E-01	1.54E-02	1.23E+00
5733	488733.59	3857960.57	7.59E-01	3.79E-04	2.31E-01	1.54E-02	1.01E+00	1.00E+00	3.64E+01	2.31E+00	7.86E-02	3.98E+01	9.72E-01	4.60E-04	2.31E-01	1.54E-02	1.22E+00
5734	488638.09	3857961.57	7.32E-01	4.04E-04	2.90E-01	1.64E-02	1.04E+00	9.67E-01	3.87E+01	2.90E+00	8.39E-02	4.27E+01	9.39E-01	4.89E-04	2.90E-01	1.64E-02	1.25E+00
5735	488542.6	3857962.56	6.79E-01	4.49E-04	3.62E-01	1.85E-02	1.06E+00	8.97E-01	4.31E+01	3.62E+00	9.46E-02	4.77E+01	8.71E-01	5.44E-04	3.62E-01	1.85E-02	1.25E+00
5736	488447.1	3857963.56	6.00E-01	4.94E-04	4.30E-01	1.83E-02	1.05E+00	7.92E-01	4.74E+01	4.30E+00	9.33E-02	5.26E+01	7.69E-01	5.99E-04	4.30E-01	1.83E-02	1.22E+00
5737	488254.28	3857890.36	6.97E-01	4.78E-04	2.62E-01	1.64E-02	9.76E-01	9.20E-01	4.58E+01	2.62E+00	8.37E-02	4.95E+01	8.93E-01	5.79E-04	2.62E-01	1.64E-02	1.17E+00
5738	488191.69	3857833.06	7.07E-01	4.45E-04	2.37E-01	1.94E-02	9.64E-01	9.34E-01	4.27E+01	2.37E+00	9.93E-02	4.61E+01	9.06E-01	5.39E-04	2.37E-01	1.94E-02	1.16E+00
5739	488129.5	3857907.43	8.58E-01	4.68E-04	2.12E-01	2.02E-02	1.09E+00	1.13E+00	4.49E+01	2.12E+00	1.03E-01	4.82E+01	1.10E+00	5.67E-04	2.12E-01	2.02E-02	1.33E+00
5740	488196.47	3857968.74	8.24E-01	5.03E-04	2.58E-01	1.65E-02	1.10E+00	1.09E+00	4.82E+01	2.58E+00	8.43E-02	5.20E+01	1.06E+00	6.09E-04	2.58E-01	1.65E-02	1.33E+00
5741	488263.44	3858030.04	7.91E-01	5.32E-04	7.18E-01	1.67E-02	1.53E+00	1.05E+00	5.10E+01	7.18E+00	8.54E-02	5.93E+01	1.01E+00	6.44E-04	7.18E-01	1.67E-02	1.75E+00
5742	488400.64	3858132.9	7.28E-01	5.65E-04	5.20E-01	1.82E-02	1.27E+00	9.62E-01	5.41E+01	5.20E+00	9.29E-02	6.04E+01	9.34E-01	6.84E-04	5.20E-01	1.82E-02	1.47E+00
5743	488519.89	3858218.38	6.72E-01	5.65E-04	3.48E-01	1.61E-02	1.04E+00	8.87E-01	5.42E+01	3.48E+00	8.23E-02	5.86E+01	8.61E-01	6.84E-04	3.48E-01	1.61E-02	1.23E+00
5744	488647.97	3858214.99	5.92E-01	4.97E-04	2.58E-01	1.30E-02	8.64E-01	7.82E-01	4.76E+01	2.58E+00	6.65E-02	5.11E+01	7.59E-01	6.02E-04	2.58E-01	1.30E-02	1.03E+00
5745	488727.05	3858167.67	4.79E-01	4.59E-04	1.84E-01	1.32E-02	6.77E-01	6.32E-01	4.40E+01	1.84E+00	6.76E-02	4.65E+01	6.14E-01	5.56E-04	1.84E-01	1.32E-02	8.12E-01
5746	488806.12	3858120.35	5.90E-01	4.23E-04	1.87E-01	1.33E-02	7.91E-01	7.79E-01	4.06E+01	1.87E+00	6.82E-02	4.33E+01	7.56E-01	5.13E-04	1.87E-01	1.33E-02	9.57E-01
5747	488885.2	3858073.03	6.88E-01	3.96E-04	1.77E-01	1.33E-02	8.79E-01	9.09E-01	3.80E+01	1.77E+00	6.81E-02	4.07E+01	8.82E-01	4.80E-04	1.77E-01	1.33E-02	1.07E+00
5748	489055.76	3857991.18	7.10E-01	3.85E-04	1.28E-01	1.38E-02	8.52E-01	9.37E-01	3.69E+01	1.28E+00	7.04E-02	3.92E+01	9.10E-01	4.67E-04	1.28E-01	1.38E-02	1.05E+00
5749	489245.39	3857944.55	6.25E-01	3.66E-04	1.06E-01	1.44E-02	7.46E-01	8.26E-01	3.51E+01	1.06E+00	7.34E-02	3.71E+01	8.01E-01	4.43E-04	1.06E-01	1.44E-02	9.22E-01
5750	489430.63	3857930.91	5.95E-01	3.54E-04	9.33E-02	1.20E-02	7.00E-01	7.86E-01	3.39E+01	9.33E-01	6.11E-02	3.57E+01	7.63E-01	4.28E-04	9.33E-02	1.20E-02	8.68E-01
5751	489517.74	3857929.36	5.76E-01	3.41E-04	9.05E-02	1.15E-02	6.79E-01	7.61E-01	3.27E+01	9.05E-01	5.87E-02	3.45E+01	7.39E-01	4.14E-04	9.05E-02	1.15E-02	8.41E-01
5752	489604.86	3857927.82	5.55E-01	3.19E-04	9.33E-02	1.22E-02	6.61E-01	7.33E-01	3.06E+01	9.33E-01	6.25E-02	3.23E+01	7.12E-01	3.86E-04	9.33E-02	1.22E-02	8.18E-01
5753	489691.97	3857926.28	5.31E-01	2.93E-04	9.52E-02	1.29E-02	6.39E-01	7.01E-01	2.81E+01	9.52E-01	6.59E-02	2.98E+01	6.80E-01	3.55E-04	9.52E-02	1.29E-02	7.89E-01
5754	489779.08	3857924.73	5.05E-01	2.72E-04	9.62E-02	1.34E-02	6.15E-01	6.67E-01	2.61E+01	9.62E-01	6.83E-02	2.78E+01	6.47E-01	3.30E-04	9.62E-02	1.34E-02	7.57E-01
5755	490017.55	3857875.09	4.08E-01	2.46E-04	9.57E-02	1.32E-02	5.17E-01	5.39E-01	2.36E+01	9.57E-01	6.75E-02	2.52E+01	5.23E-01	2.98E-04	9.57E-02	1.32E-02	6.32E-01
5756	490033.82	3857960.81	4.44E-01	2.53E-04	9.55E-02	1.33E-02	5.53E-01	5.87E-01	2.42E+01	9.55E-01	6.80E-02	2.58E+01	5.69E-01	3.06E-04	9.55E-02	1.33E-02	6.79E-01
5757	489959.15	3857987.49	4.76E-01	2.60E-04	9.46E-02	1.37E-02	5.85E-01	6.29E-01	2.50E+01	9.46E-01	6.98E-02	2.66E+01	6.10E-01	3.16E-04	9.46E-02	1.37E-02	7.19E-01
5758	489791.49	3858016.12	5.32E-01	2.80E-04	9.23E-02	1.38E-02	6.38E-01	7.03E-01	2.69E+01	9.23E-01	7.03E-02	2.86E+01	6.82E-01	3.39E-04	9.23E-02	1.38E-02	7.88E-01
5759	489698.51	3858018.07	5.52E-01	2.92E-04	9.12E-02	1.34E-02	6.57E-01	7.30E-01	2.80E+01	9.12E-01	6.84E-02	2.97E+01	7.08E-01	3.53E-04	9.12E-02	1.34E-02	8.13E-01
5760	489605.52	3858020.02	5.69E-01	3.22E-04	8.93E-02	1.27E-02	6.71E-01	7.51E-01	3.08E+01	8.93E-01	6.50E-02	3.26E+01	7.29E-01	3.90E-04	8.93E-02	1.27E-02	8.32E-01
5761	489512.53	3858021.96	5.80E-01	3.51E-04	9.13E-02	1.18E-02	6.83E-01	7.66E-01	3.37E+01	9.13E-01	6.05E-02	3.54E+01	7.43E-01	4.26E-04	9.13E-02	1.18E-02	8.47E-01
5762	489419.55	3858023.91	5.85E-01	3.73E-04	9.75E-02	1.17E-02	6.95E-01	7.73E-01	3.58E+01	9.75E-01	5.96E-02	3.76E+01	7.50E-01	4.52E-04	9.75E-02	1.17E-02	8.60E-01
5763	489228.47	3858041.29	6.68E-01	3.84E-04	1.10E-01	1.46E-02	7.92E-01	8.82E-01	3.68E+01	1.10E+00	7.46E-02	3.88E+01	8.56E-01	4.65E-04	1.10E-01	1.46E-02	9.81E-01
5764	489065.75	3858085.78	7.04E-01	3.98E-04	1.47E-01	1.50E-02	8.66E-01	9.30E-01	3.82E+01	1.47E+00	7.67E-02	4.06E+01	9.02E-01	4.82E-04	1.47E-01	1.50E-02	1.07E+00
5765	489001.12	3858114.86	6.82E-01	4.00E-04	1.57E-01	1.45E-02	8.55E-01	9.01E-01	3.84E+01	1.57E+00	7.41E-02	4.09E+01	8.75E-01	4.85E-04	1.57E-01	1.45E-02	1.05E+00
5766	488861.89	3858189.81	5.21E-01	4.44E-04	1.72E-01	1.31E-02	7.07E-01	6.89E-01	4.26E+01	1.72E+00	6.68E-02	4.51E+01	6.68E-01	5.38E-04	1.72E-01	1.31E-02	8.54E-01
5767	488787.29	3858235.69	4.93E-01	4.83E-04	1.84E-01	1.33E-02	6.90E-01	6.51E-01	4.63E+01	1.84E+00	6.82E-02	4.89E+01	6.32E-01	5.85E-04	1.84E-01	1.33E-02	8.29E-01
5768	488712.68	3858281.57	5.88E-01	5.15E-04	2.32E-01	1.30E-02	8.33E-01	7.77E-01	4.94E+01	2.32E+00	6.65E-02	5.25E+01	7.54E-01	6.24E-04	2.32E-01	1.30E-02	9.99E-01
5769	488654.39	3858436.17	5.93E-01	6.07E-04	1.63E-01	1.33E-02	7.69E-01	7.83E-01	5.82E+01	1.63E+00	6.77E-02	6.07E+01	7.60E-01	7.35E-04	1.63E-01	1.33E-02	9.37E-01
5770	488726.31	3858505.26	5.72E-01	6.14E-04	1.29E-01	1.43E-02	7.16E-01	7.55E-01	5.89E+01	1.29E+00	7.33E-02	6.10E+01	7.33E-01	7.44E-04	1.29E-01	1.43E-02	8.77E-01
5771	488880.6	3858599.28	5.33E-01	6.90E-04	9.34E-02	1.53E-02	6.43E-01	7.04E-01	6.62E+01	9.34E-01	7.83E-02	6.79E+01	6.84E-01	8.36E-04	9.34E-02	1.53E-02	7.93E-01
5772	489008.06	3858714.75	4.96E-01	8.19E-04	8.55E-02	1.71E-02	5.99E-01	6.55E-01	7.86E+01	8.55E-01	8.75E-02	8.01E+01	6.35E-01	9.92E-04	8.55E-02	1.71E-02	7.39E-01
5773	489071.48	3858772.72	4.79E-01	9.05E-04	8.44E-02	1.58E-02	5.80E-01	6.33E-01	8.68E+01	8.44E-01	8.07E-02	8.84E+01	6.14E-01	1.10E-03	8.44E-02	1.58E-02	7.16E-01
5774	489244.6	3858920.2	4.43E-01	1.11E-03	8.00E-02	1.08E-02	5.35E-01	5.85E-01	1.06E+02	8.00E-01	5.51E-02	1.07E+02	5.67E-01	1.34E-03	8.00E-02	1.08E-02	6.60E-01
5775	489239.69	3858952.23	4.45E-01	1.15E-03	7.84E-02	1.10E-02	5.36E-01	5.88E-01	1.11E+02	7.84E-01	5.64E-02	1.12E+02	5.71E-01	1.40E-03	7.84E-02	1.10E-02	6.61E-01
5776	489121.67	3858854.49	4.71E-01	1.06E-03	8.15E-02	1.24E-02	5.66E-01	6.22E-01	1.02E+02	8.15E-01	6.34E-02	1.04E+02	6.03E-01	1.29E-03	8.15E-02	1.24E-02	6.99E-01
5777	489059.59	3858797.27	4.85E-01	9.64E-04	8.32E-02	1.59E-02	5.85E-01	6.40E-01	9.25E+01	8.32E-01	8.13E-02	9.40E+01	6.21E-01	1.17E-03	8.32E-02	1.59E-02	7.22E-01
5778	488997.52	3858740.04	5.00E-01	8.61E-04	8.47E-02	1.73E-02	6.03E-01	6.60E-01	8.26E+01	8.47E-01	8.85E-02	8.42E+01	6.41E-01	1.04E-03	8.47E-02	1.73E-02	7.44E-01
5779	488935.44	3858682.82	5.14E-01	7.83E-04	8.55E-02	1.63E-02	6.17E-01	6.79E-01	7.51E+01	8.55E-01	8.34E-02	7.67E+01	6.59E-01	9.49E-04	8.55E-02	1.63E-02	7.62E-01
5780	488869.17	3858848.43	5.23E-01	1.21E-03	5.83E-02	1.71E-02	6.00E-01	6.91E-01	1.16E+02	5.83E-01	8.74E-02	1.18E+02	6.71E-01	1.47E-03	5.83E-02	1.71E-02	7.48E-01
5781	488932.48	3858892.69	5.02E-01	1.30E-03	6.04E-02	1.80E-02	5.82E-01	6.64E-01	1.25E+02	6.04E-01	9.21E-02	1.26E+02	6.44E-01	1.58E-03	6.04E-02	1.80E-02	7.24E-01
5782	489063.27	3858977.17	4.74E-01	1.35E-03	6.39E-02	1.27E-02	5.52E-01	6.27E-01	1.29E+02	6.39E-01	6.51E-02	1.31E+02	6.08E-01	1.63E-03	6.39E-02	1.27E-02	6.87E-01
5783	489248.2	3859117.15	4.35E-01	1.20E-03	6.33E-02	1.10E-02	5.11E-01	5.75E-01	1.15E+02	6.33E-01	5.61E-02	1.16E+02	5.58E-01	1.45E-03	6.33E-02	1.10E-02	6.34E-01
5784	489296.25	3859049.22	4.32E-01	1.18E-03	7.31E-02	1.10E-02	5.18E-01	5.71E-01	1.13E+02	7.31E-01	5.62E-02	1.15E+02	5.54E-01	1.43E-03	7.31E-02	1.10E-02	6.40E-01
5785	489353.38	3858993.97	4.25E-01	1.12E-03	7.74E-02	1.10E-02	5.15E-01	5.62E-01	1.07E+02	7.74E-01	5.63E-02	1.08E+02	5.45E-01	1.35E-03	7.74E-02	1.10E-02	6.35E-01
5786	489537.25	3859120.22	4.02E-01	1.00E-03	7.29E-02	1.13E-02	4.88E-01	5.32E-01	9.63E+01	7.29E-01	5.75E-02	9.76E+01	5.16E-01	1.22E-03	7.29E-02	1.13E-02	6.01E-01
5787	489726.98	3859246.04	3.80E-01	8.48E-04	6.84E-02	1.10E-02	4.61E-01	5.02E-01	8.13E+01	6.84E-01	5.63E-02	8.26E+01	4.88E-01	1.03E-03	6.84E-02	1.10E-02	5.68E-01
5788	489911.46	3859366.33	3.62E-01	7.15E-04	6.46E-02	1.06E-02	4.38E-01	4.78E-01	6.85E+01	6.46E-01	5.41E-02	6.97E+01	4.64E-01	8.66E-04	6.46E-02	1.06E-02	5.40E-01
5789	490035.3	3859430.26	3.49E-01	6.86E-04	6.17E-02	1.06E-02	4.22E-01	4.62E-01	6.58E+01	6.17E-01	5.41E-02	6.69E+01	4.48E-01	8.31E-04	6.17E-02	1.06E-02	5.21E-01
5790	490101.11	3859458.61	3.44E-01	6.65E-04	6.02E-02	1.06E-02	4.16E-01	4.55E-01	6.38E+01	6.02E-01	5.43E-02	6.49E+01	4.41E-01	8.06E-04	6.02E-02	1.06E-02	5.13E-01
5791	490312.68	3859560.3	3.24E-01	6.10E-04	5.57E-02	1.08E-02	3.91E-01	4.28E-01	5.85E+01	5.57E-01	5.51E-02	5.96E+01	4.15E-01	7.39E-04	5.57E-02	1.08E-02	4.82E-01

5792	490401.63	3859603.12	3.15E-01	5.96E-04	5.43E-02	1.08E-02	3.81E-01	4.16E-01	5.72E+01	5.43E-01	5.50E-02	5.82E+01	4.04E-01	7.22E-04	5.43E-02	1.08E-02	4.70E-01
5793	490490.57	3859645.94	3.06E-01	5.83E-04	5.48E-02	1.08E-02	3.72E-01	4.04E-01	5.59E+01	5.48E-01	5.51E-02	5.69E+01	3.92E-01	7.06E-04	5.48E-02	1.08E-02	4.59E-01
5794	490579.51	3859688.76	2.97E-01	5.68E-04	5.53E-02	1.08E-02	3.64E-01	3.93E-01	5.45E+01	5.53E-01	5.51E-02	5.55E+01	3.81E-01	6.89E-04	5.53E-02	1.08E-02	4.48E-01
5795	490668.45	3859731.58	2.89E-01	5.46E-04	5.59E-02	1.06E-02	3.56E-01	3.82E-01	5.24E+01	5.59E-01	5.41E-02	5.34E+01	3.71E-01	6.62E-04	5.59E-02	1.06E-02	4.38E-01
5796	490757.4	3859774.4	2.79E-01	5.30E-04	5.59E-02	1.04E-02	3.45E-01	3.68E-01	5.08E+01	5.59E-01	5.31E-02	5.18E+01	3.57E-01	6.42E-04	5.59E-02	1.04E-02	4.24E-01
5797	491003.53	3859861.82	2.46E-01	4.75E-04	5.77E-02	9.92E-03	3.14E-01	3.25E-01	4.55E+01	5.77E-01	5.07E-02	4.65E+01	3.15E-01	5.75E-04	5.77E-02	9.92E-03	3.83E-01
5798	491081.41	3859879.05	2.32E-01	4.65E-04	5.83E-02	1.00E-02	3.01E-01	3.07E-01	4.46E+01	5.83E-01	5.11E-02	4.55E+01	2.98E-01	5.63E-04	5.83E-02	1.00E-02	3.67E-01
5799	491229.76	3859917.82	2.07E-01	4.47E-04	5.82E-02	1.01E-02	2.75E-01	2.73E-01	4.28E+01	5.82E-01	5.17E-02	4.37E+01	2.65E-01	5.41E-04	5.82E-02	1.01E-02	3.34E-01
5800	491300.22	3859939.35	1.95E-01	4.37E-04	5.78E-02	1.01E-02	2.63E-01	2.58E-01	4.19E+01	5.78E-01	5.18E-02	4.28E+01	2.50E-01	5.29E-04	5.78E-02	1.01E-02	3.18E-01
5801	491350.49	3860012.03	1.99E-01	4.09E-04	5.51E-02	9.99E-03	2.65E-01	2.63E-01	3.92E+01	5.51E-01	5.10E-02	4.01E+01	2.56E-01	4.95E-04	5.51E-02	9.99E-03	3.21E-01
5802	491406.82	3860092.57	2.04E-01	3.86E-04	5.23E-02	9.64E-03	2.66E-01	2.69E-01	3.70E+01	5.23E-01	4.92E-02	3.79E+01	2.61E-01	4.67E-04	5.23E-02	9.64E-03	3.24E-01
5803	491483.37	3860121.96	1.95E-01	3.75E-04	5.23E-02	9.47E-03	2.57E-01	2.58E-01	3.60E+01	5.23E-01	4.84E-02	3.68E+01	2.50E-01	4.54E-04	5.23E-02	9.47E-03	3.12E-01
5804	491559.91	3860151.36	1.86E-01	3.67E-04	5.21E-02	9.32E-03	2.48E-01	2.46E-01	3.52E+01	5.21E-01	4.76E-02	3.60E+01	2.39E-01	4.45E-04	5.21E-02	9.32E-03	3.00E-01
5805	491711.81	3860237.76	1.80E-01	3.43E-04	5.30E-02	8.67E-03	2.42E-01	2.38E-01	3.29E+01	5.30E-01	4.43E-02	3.37E+01	2.31E-01	4.16E-04	5.30E-02	8.67E-03	2.93E-01
5806	491755.2	3860319.07	1.81E-01	3.58E-04	4.79E-02	8.40E-03	2.38E-01	2.39E-01	3.43E+01	4.79E-01	4.29E-02	3.51E+01	2.32E-01	4.34E-04	4.79E-02	8.40E-03	2.89E-01
5807	491704.71	3860366.54	1.96E-01	3.62E-04	4.46E-02	8.47E-03	2.50E-01	2.59E-01	3.48E+01	4.46E-01	4.33E-02	3.55E+01	2.52E-01	4.39E-04	4.46E-02	8.47E-03	3.05E-01
5808	491623.43	3860462.39	2.12E-01	3.61E-04	4.09E-02	8.58E-03	2.62E-01	2.81E-01	3.46E+01	4.09E-01	4.38E-02	3.54E+01	2.72E-01	4.37E-04	4.09E-02	8.58E-03	3.22E-01
5809	491534.02	3860439.85	2.27E-01	3.83E-04	4.81E-02	8.90E-03	2.85E-01	3.00E-01	3.68E+01	4.81E-01	4.55E-02	3.76E+01	2.92E-01	4.64E-04	4.81E-02	8.90E-03	3.49E-01
5810	491313.95	3860268.18	2.30E-01	4.01E-04	4.15E-02	8.86E-03	2.81E-01	3.04E-01	3.84E+01	4.15E-01	4.52E-02	3.92E+01	2.95E-01	4.85E-04	4.15E-02	8.86E-03	3.46E-01
5811	491187.12	3860143.56	2.41E-01	4.08E-04	4.27E-02	1.08E-02	2.95E-01	3.19E-01	3.91E+01	4.27E-01	5.51E-02	3.99E+01	3.09E-01	4.94E-04	4.27E-02	1.08E-02	3.63E-01
5812	491070.43	3860075.97	2.52E-01	4.31E-04	4.45E-02	1.20E-02	3.09E-01	3.33E-01	4.13E+01	4.45E-01	6.11E-02	4.21E+01	3.23E-01	5.22E-04	4.45E-02	1.20E-02	3.80E-01
5813	490995.09	3860039.39	2.58E-01	4.41E-04	4.57E-02	1.22E-02	3.17E-01	3.41E-01	4.23E+01	4.57E-01	6.24E-02	4.31E+01	3.31E-01	5.34E-04	4.57E-02	1.22E-02	3.90E-01
5814	490919.75	3860002.8	2.65E-01	4.61E-04	4.69E-02	1.23E-02	3.25E-01	3.50E-01	4.42E+01	4.69E-01	6.28E-02	4.51E+01	3.40E-01	5.58E-04	4.69E-02	1.23E-02	3.99E-01
5815	490756.81	3859894.53	2.81E-01	5.00E-04	4.96E-02	1.09E-02	3.42E-01	3.72E-01	4.80E+01	4.96E-01	5.56E-02	4.89E+01	3.61E-01	6.06E-04	4.96E-02	1.09E-02	4.22E-01
5816	490668.07	3859860.92	2.87E-01	5.25E-04	5.09E-02	1.03E-02	3.48E-01	3.79E-01	5.04E+01	5.09E-01	5.26E-02	5.13E+01	3.67E-01	6.36E-04	5.09E-02	1.03E-02	4.29E-01
5817	490579.34	3859827.3	2.92E-01	5.49E-04	5.23E-02	1.03E-02	3.55E-01	3.86E-01	5.26E+01	5.23E-01	5.26E-02	5.36E+01	3.74E-01	6.65E-04	5.23E-02	1.03E-02	4.38E-01
5818	490490.6	3859793.68	2.95E-01	5.73E-04	5.35E-02	1.05E-02	3.60E-01	3.90E-01	5.50E+01	5.35E-01	5.34E-02	5.60E+01	3.78E-01	6.95E-04	5.35E-02	1.05E-02	4.43E-01
5819	490401.86	3859760.07	2.97E-01	5.93E-04	5.45E-02	1.06E-02	3.63E-01	3.93E-01	5.69E+01	5.45E-01	5.42E-02	5.79E+01	3.81E-01	7.18E-04	5.45E-02	1.06E-02	4.47E-01
5820	490313.12	3859726.45	2.99E-01	6.12E-04	5.55E-02	1.08E-02	3.66E-01	3.95E-01	5.87E+01	5.55E-01	5.52E-02	5.97E+01	3.83E-01	7.42E-04	5.55E-02	1.08E-02	4.50E-01
5821	490224.39	3859692.83	2.99E-01	6.32E-04	5.64E-02	1.10E-02	3.67E-01	3.95E-01	6.06E+01	5.64E-01	5.61E-02	6.16E+01	3.83E-01	7.65E-04	5.64E-02	1.10E-02	4.52E-01
5822	490135.65	3859659.22	2.99E-01	6.51E-04	5.72E-02	1.11E-02	3.68E-01	3.95E-01	6.24E+01	5.72E-01	5.68E-02	6.35E+01	3.84E-01	7.89E-04	5.72E-02	1.11E-02	4.53E-01
5823	489918.19	3859559.23	3.27E-01	6.97E-04	5.85E-02	1.11E-02	3.97E-01	4.31E-01	6.69E+01	5.85E-01	5.66E-02	6.79E+01	4.19E-01	8.45E-04	5.85E-02	1.11E-02	4.89E-01
5824	489743.61	3859486	3.49E-01	7.95E-04	5.99E-02	1.08E-02	4.20E-01	4.60E-01	7.62E+01	5.99E-01	5.51E-02	7.73E+01	4.47E-01	9.63E-04	5.99E-02	1.08E-02	5.19E-01
5825	489660.32	3859440.27	3.60E-01	8.50E-04	5.89E-02	1.07E-02	4.30E-01	4.75E-01	8.15E+01	5.89E-01	5.45E-02	8.27E+01	4.61E-01	1.03E-03	5.89E-02	1.07E-02	5.32E-01
5826	489577.04	3859394.53	3.72E-01	8.97E-04	5.70E-02	1.07E-02	4.41E-01	4.91E-01	8.60E+01	5.70E-01	5.49E-02	8.71E+01	4.77E-01	1.09E-03	5.70E-02	1.07E-02	5.46E-01
5827	489493.75	3859348.8	3.84E-01	9.37E-04	5.61E-02	1.10E-02	4.52E-01	5.07E-01	8.98E+01	5.61E-01	5.61E-02	9.10E+01	4.92E-01	1.13E-03	5.61E-02	1.10E-02	5.60E-01
5828	489321.28	3859240.02	4.19E-01	1.11E-03	5.49E-02	1.26E-02	4.88E-01	5.53E-01	1.07E+02	5.49E-01	6.43E-02	1.08E+02	5.37E-01	1.35E-03	5.49E-02	1.26E-02	6.06E-01
5829	489235.41	3859193.96	4.58E-01	1.19E-03	5.29E-02	1.13E-02	5.24E-01	6.06E-01	1.14E+02	5.29E-01	5.78E-02	1.15E+02	5.88E-01	1.44E-03	5.29E-02	1.13E-02	6.53E-01
5830	489149.54	3859147.89	4.95E-01	1.31E-03	5.00E-02	1.12E-02	5.57E-01	6.54E-01	1.26E+02	5.00E-01	5.73E-02	1.27E+02	6.35E-01	1.59E-03	5.00E-02	1.12E-02	6.97E-01
5831	489063.68	3859101.82	5.33E-01	1.39E-03	4.70E-02	1.11E-02	5.93E-01	7.04E-01	1.34E+02	4.70E-01	5.68E-02	1.35E+02	6.84E-01	1.69E-03	4.70E-02	1.11E-02	7.43E-01
5832	488977.81	3859055.75	5.70E-01	1.48E-03	4.96E-02	1.55E-02	6.37E-01	7.53E-01	1.42E+02	4.96E-01	7.90E-02	1.43E+02	7.31E-01	1.79E-03	4.96E-02	1.55E-02	7.98E-01
5833	488891.94	3859009.69	6.01E-01	1.65E-03	5.13E-02	1.85E-02	6.72E-01	7.94E-01	1.58E+02	5.13E-01	9.45E-02	1.60E+02	7.70E-01	2.00E-03	5.13E-02	1.85E-02	8.42E-01
5834	488808	3859060.73	6.14E-01	1.79E-03	5.79E-02	1.88E-02	6.93E-01	8.11E-01	1.72E+02	5.79E-01	9.60E-02	1.73E+02	7.87E-01	2.17E-03	5.79E-02	1.88E-02	8.66E-01
5835	488809.93	3859157.85	5.59E-01	1.79E-03	5.86E-02	1.93E-02	6.39E-01	7.38E-01	1.71E+02	5.86E-01	9.87E-02	1.73E+02	7.17E-01	2.17E-03	5.86E-02	1.93E-02	7.97E-01
5836	488811.86	3859254.96	4.79E-01	1.81E-03	5.67E-02	1.89E-02	5.57E-01	6.33E-01	1.74E+02	5.67E-01	9.67E-02	1.75E+02	6.15E-01	2.19E-03	5.67E-02	1.89E-02	6.92E-01
5837	488813.78	3859352.07	3.92E-01	1.83E-03	5.29E-02	1.75E-02	4.64E-01	5.18E-01	1.75E+02	5.29E-01	8.96E-02	1.76E+02	5.02E-01	2.21E-03	5.29E-02	1.75E-02	5.75E-01
5838	488815.71	3859449.19	3.88E-01	1.79E-03	4.83E-02	2.62E-02	4.64E-01	5.12E-01	1.72E+02	4.83E-01	1.34E-01	1.73E+02	4.97E-01	2.17E-03	4.83E-02	2.62E-02	5.74E-01
5839	488910.04	3859547.11	3.70E-01	1.31E-03	4.93E-02	2.75E-02	4.48E-01	4.89E-01	1.25E+02	4.93E-01	1.41E-01	1.27E+02	4.74E-01	1.58E-03	4.93E-02	2.75E-02	5.53E-01
5840	489002.45	3859547.91	3.63E-01	1.19E-03	5.22E-02	2.50E-02	4.41E-01	4.79E-01	1.14E+02	5.22E-01	1.28E-01	1.15E+02	4.65E-01	1.44E-03	5.22E-02	2.50E-02	5.44E-01
5841	489094.85	3859548.72	4.23E-01	1.09E-03	5.15E-02	2.07E-02	4.97E-01	5.59E-01	1.05E+02	5.15E-01	1.06E-01	1.06E+02	5.43E-01	1.32E-03	5.15E-02	2.07E-02	6.16E-01
5842	489230.05	3859601.87	4.56E-01	9.44E-04	5.67E-02	1.57E-02	5.29E-01	6.02E-01	9.06E+01	5.67E-01	8.00E-02	9.18E+01	5.85E-01	1.14E-03	5.67E-02	1.57E-02	6.58E-01
5843	489227.52	3859680.89	4.04E-01	8.69E-04	5.80E-02	1.62E-02	4.79E-01	5.33E-01	8.34E+01	5.80E-01	8.28E-02	8.46E+01	5.18E-01	1.05E-03	5.80E-02	1.62E-02	5.93E-01
5844	489133.47	3859760.29	3.27E-01	8.82E-04	4.89E-02	1.97E-02	3.96E-01	4.31E-01	8.46E+01	4.89E-01	1.00E-01	8.56E+01	4.19E-01	1.07E-03	4.89E-02	1.97E-02	4.88E-01
5845	489041.96	3859760.67	3.63E-01	9.67E-04	4.67E-02	2.33E-02	4.34E-01	4.79E-01	9.28E+01	4.67E-01	1.19E-01	9.38E+01	4.65E-01	1.17E-03	4.67E-02	2.33E-02	5.36E-01
5846	488950.45	3859761.05	3.78E-01	1.03E-03	4.54E-02	2.81E-02	4.53E-01	5.00E-01	9.84E+01	4.54E-01	1.44E-01	9.95E+01	4.85E-01	1.24E-03	4.54E-02	2.81E-02	5.60E-01
5847	488858.94	3859761.43	3.72E-01	1.07E-03	4.93E-02	3.42E-02	4.57E-01	4.92E-01	1.02E+02	4.93E-01	1.75E-01	1.04E+02	4.77E-01	1.29E-03	4.93E-02	3.42E-02	5.62E-01
5848	488767.43	3859761.82	3.45E-01	1.09E-03	4.35E-02	4.20E-02	4.32E-01	4.56E-01	1.05E+02	4.35E-01	2.15E-01	1.06E+02	4.43E-01	1.32E-03	4.35E-02	4.20E-02	5.30E-01
5849	488675.92	3859762.2	3.06E-01	1.15E-03	3.09E-02	5.59E-02	3.94E-01	4.04E-01	1.11E+02	3.09E-01	2.86E-01	1.12E+02	3.92E-01	1.40E-03	3.09E-02	5.59E-02	4.80E-01
5850	488584.41	3859762.58	3.00E-01	1.26E-03	2.77E-02	8.03E-02	4.09E-01	3.96E-01	1.21E+02	2.77E-01	4.10E-01	1.22E+02	3.84E-01	1.53E-03	2.77E-02	8.03E-02	4.94E-01
5851	488492.9	3859762.96	3.16E-01	1.47E-03	3.62E-02	1.04E-01	4.57E-01	4.17E-01	1.41E+02	3.62E-01	5.29E-01	1.43E+02	4.05E-01	1.79E-03	3.62E-02	1.04E-01	5.47E-01
5852	488402.76	3859830.95	3.24E-01	1.85E-03	3.82E-02	2.13E-01	5.78E-01	4.28E-01	1.77E+02	3.82E-01	1.09E+00	1.79E+02	4.16E-01	2.24E-03	3.82E-02	2.13E-01	6.70E-01

5853	488404.14	3859898.55	3.27E-01	1.87E-03	3.90E-02	1.21E-01	4.88E-01	4.31E-01	1.79E+02	3.90E-01	6.16E-01	1.81E+02	4.19E-01	2.26E-03	3.90E-02	1.21E-01	5.80E-01
5854	488505.18	3859964.96	3.07E-01	1.55E-03	4.03E-02	8.53E-02	4.34E-01	4.06E-01	1.49E+02	4.03E-01	4.36E-01	1.50E+02	3.94E-01	1.88E-03	4.03E-02	8.53E-02	5.21E-01
5855	488604.85	3859963.76	2.93E-01	1.33E-03	3.46E-02	8.87E-02	4.18E-01	3.88E-01	1.28E+02	3.46E-01	4.53E-01	1.29E+02	3.76E-01	1.61E-03	3.46E-02	8.87E-02	5.01E-01
5856	488704.51	3859962.56	2.77E-01	1.27E-03	2.46E-02	7.41E-02	3.77E-01	3.66E-01	1.21E+02	2.46E-01	3.79E-01	1.22E+02	3.55E-01	1.53E-03	2.46E-02	7.41E-02	4.55E-01
5857	488804.18	3859961.37	2.74E-01	1.26E-03	3.81E-02	5.41E-02	3.67E-01	3.62E-01	1.21E+02	3.81E-01	2.77E-01	1.22E+02	3.51E-01	1.53E-03	3.81E-02	5.41E-02	4.45E-01
5858	488903.85	3859960.17	3.17E-01	1.17E-03	4.71E-02	4.04E-02	4.06E-01	4.19E-01	1.12E+02	4.71E-01	2.06E-01	1.13E+02	4.07E-01	1.42E-03	4.71E-02	4.04E-02	4.96E-01
5859	489003.52	3859958.97	3.47E-01	1.06E-03	4.70E-02	3.85E-02	4.33E-01	4.58E-01	1.02E+02	4.70E-01	1.97E-01	1.03E+02	4.45E-01	1.29E-03	4.70E-02	3.85E-02	5.31E-01
5860	489103.18	3859957.77	3.56E-01	9.77E-04	4.29E-02	3.68E-02	4.37E-01	4.70E-01	9.37E+01	4.29E-01	1.88E-01	9.48E+01	4.57E-01	1.18E-03	4.29E-02	3.68E-02	5.37E-01
5861	489201.48	3860046.59	3.46E-01	1.03E-03	4.58E-02	3.07E-02	4.24E-01	4.57E-01	9.84E+01	4.58E-01	1.57E-01	9.95E+01	4.44E-01	1.24E-03	4.58E-02	3.07E-02	5.21E-01
5862	489200.11	3860136.61	3.36E-01	1.06E-03	4.50E-02	2.24E-02	4.04E-01	4.43E-01	1.02E+02	4.50E-01	1.14E-01	1.03E+02	4.30E-01	1.29E-03	4.50E-02	2.24E-02	4.99E-01
5863	489198.74	3860226.63	3.15E-01	1.28E-03	4.35E-02	2.29E-02	3.83E-01	4.16E-01	1.23E+02	4.35E-01	1.17E-01	1.24E+02	4.04E-01	1.55E-03	4.35E-02	2.29E-02	4.72E-01
5864	489197.38	3860316.66	2.86E-01	1.82E-03	4.22E-02	2.73E-02	3.58E-01	3.78E-01	1.75E+02	4.22E-01	1.40E-01	1.76E+02	3.67E-01	2.21E-03	4.22E-02	2.73E-02	4.39E-01
5865	489196.01	3860406.68	2.54E-01	1.69E-03	4.30E-02	2.78E-02	3.27E-01	3.36E-01	1.62E+02	4.30E-01	1.42E-01	1.63E+02	3.26E-01	2.05E-03	4.30E-02	2.78E-02	3.99E-01
5866	489194.64	3860496.7	2.19E-01	1.63E-03	4.23E-02	2.97E-02	2.93E-01	2.89E-01	1.57E+02	4.23E-01	1.52E-01	1.57E+02	2.81E-01	1.98E-03	4.23E-02	2.97E-02	3.55E-01
5867	489193.27	3860586.72	2.06E-01	1.71E-03	4.11E-02	2.81E-02	2.77E-01	2.72E-01	1.64E+02	4.11E-01	1.44E-01	1.65E+02	2.64E-01	2.07E-03	4.11E-02	2.81E-02	3.35E-01
5868	489092.02	3860678.13	2.22E-01	1.51E-03	3.36E-02	3.43E-02	2.91E-01	2.93E-01	1.45E+02	3.36E-01	1.75E-01	1.46E+02	2.84E-01	1.83E-03	3.36E-02	3.43E-02	3.54E-01
5869	488992.13	3860679.53	2.44E-01	1.50E-03	2.55E-02	3.41E-02	3.06E-01	3.23E-01	1.44E+02	2.55E-01	1.74E-01	1.45E+02	3.13E-01	1.82E-03	2.55E-02	3.41E-02	3.75E-01
5870	488892.25	3860680.92	2.66E-01	1.47E-03	2.64E-02	2.52E-02	3.19E-01	3.51E-01	1.41E+02	2.64E-01	1.29E-01	1.42E+02	3.41E-01	1.78E-03	2.64E-02	2.52E-02	3.94E-01
5871	488792.36	3860682.31	2.77E-01	1.42E-03	3.64E-02	2.13E-02	3.36E-01	3.66E-01	1.37E+02	3.64E-01	1.09E-01	1.37E+02	3.55E-01	1.73E-03	3.64E-02	2.13E-02	4.14E-01
5872	488692.48	3860683.7	2.78E-01	1.37E-03	4.24E-02	2.40E-02	3.45E-01	3.67E-01	1.31E+02	4.24E-01	1.23E-01	1.32E+02	3.56E-01	1.66E-03	4.24E-02	2.40E-02	4.24E-01
5873	488592.59	3860685.1	2.68E-01	1.28E-03	4.11E-02	4.52E-02	3.56E-01	3.54E-01	1.23E+02	4.11E-01	2.31E-01	1.24E+02	3.43E-01	1.55E-03	4.11E-02	4.52E-02	4.31E-01
5874	488492.71	3860686.49	2.53E-01	1.22E-03	3.67E-02	4.12E-02	3.32E-01	3.34E-01	1.17E+02	3.67E-01	2.10E-01	1.18E+02	3.24E-01	1.47E-03	3.67E-02	4.12E-02	4.03E-01
5875	488299.07	3860762.18	2.19E-01	1.10E-03	4.04E-02	1.29E-02	2.74E-01	2.90E-01	1.05E+02	4.04E-01	6.57E-02	1.06E+02	2.81E-01	1.33E-03	4.04E-02	1.29E-02	3.36E-01
5876	488205.32	3860764.09	2.07E-01	1.10E-03	4.02E-02	7.20E-03	2.55E-01	2.73E-01	1.06E+02	4.02E-01	3.68E-02	1.07E+02	2.65E-01	1.34E-03	4.02E-02	7.20E-03	3.14E-01
5877	488111.56	3860766	2.08E-01	1.09E-03	5.04E-02	1.06E-02	2.70E-01	2.74E-01	1.04E+02	5.04E-01	5.40E-02	1.05E+02	2.66E-01	1.32E-03	5.04E-02	1.06E-02	3.29E-01
5878	488017.81	3860767.91	2.10E-01	1.05E-03	5.99E-02	1.52E-02	2.86E-01	2.77E-01	1.01E+02	5.99E-01	7.77E-02	1.01E+02	2.69E-01	1.27E-03	5.99E-02	1.52E-02	3.45E-01
5879	487924.06	3860769.81	2.07E-01	9.90E-04	6.75E-02	2.09E-02	2.97E-01	2.74E-01	9.49E+01	6.75E-01	1.07E-01	9.60E+01	2.66E-01	1.20E-03	6.75E-02	2.09E-02	3.55E-01
5880	487830.31	3860771.72	2.00E-01	8.99E-04	7.23E-02	2.46E-02	2.98E-01	2.65E-01	8.62E+01	7.23E-01	1.26E-01	8.74E+01	2.57E-01	1.09E-03	7.23E-02	2.46E-02	3.55E-01
5881	487736.55	3860773.63	1.99E-01	9.40E-04	7.34E-02	2.16E-02	2.95E-01	2.63E-01	9.02E+01	7.34E-01	1.10E-01	9.13E+01	2.55E-01	1.14E-03	7.34E-02	2.16E-02	3.52E-01
5882	487642.8	3860775.54	2.17E-01	9.81E-04	7.11E-02	1.85E-02	3.07E-01	2.86E-01	9.41E+01	7.11E-01	9.43E-02	9.52E+01	2.78E-01	1.19E-03	7.11E-02	1.85E-02	3.69E-01
5883	487549.48	3860684.71	2.38E-01	1.04E-03	6.47E-02	2.01E-02	3.24E-01	3.15E-01	9.95E+01	6.47E-01	1.02E-01	1.01E+02	3.06E-01	1.26E-03	6.47E-02	2.01E-02	3.92E-01
5884	487549.91	3860591.97	2.40E-01	1.05E-03	6.33E-02	1.41E-02	3.18E-01	3.17E-01	1.00E+02	6.33E-01	7.21E-02	1.01E+02	3.08E-01	1.27E-03	6.33E-02	1.41E-02	3.86E-01
5885	487550.34	3860499.23	2.42E-01	1.18E-03	6.21E-02	1.12E-02	3.17E-01	3.20E-01	1.13E+02	6.21E-01	5.74E-02	1.14E+02	3.10E-01	1.42E-03	6.21E-02	1.12E-02	3.85E-01
5886	487550.76	3860406.49	2.44E-01	1.33E-03	6.05E-02	1.17E-02	3.18E-01	3.23E-01	1.28E+02	6.05E-01	5.99E-02	1.29E+02	3.13E-01	1.61E-03	6.05E-02	1.17E-02	3.87E-01
5887	487551.19	3860313.75	2.45E-01	1.38E-03	5.68E-02	1.66E-02	3.20E-01	3.24E-01	1.32E+02	5.68E-01	8.50E-02	1.33E+02	3.14E-01	1.67E-03	5.68E-02	1.66E-02	3.89E-01
5888	487551.62	3860221.01	2.46E-01	1.38E-03	5.26E-02	1.84E-02	3.18E-01	3.25E-01	1.33E+02	5.26E-01	9.41E-02	1.34E+02	3.15E-01	1.68E-03	5.26E-02	1.84E-02	3.88E-01
5889	487552.05	3860128.27	2.48E-01	1.39E-03	4.84E-02	1.28E-02	3.10E-01	3.27E-01	1.33E+02	4.84E-01	6.56E-02	1.34E+02	3.18E-01	1.68E-03	4.84E-02	1.28E-02	3.81E-01
5890	487552.48	3860035.53	2.55E-01	1.35E-03	4.35E-02	1.69E-02	3.17E-01	3.37E-01	1.30E+02	4.35E-01	8.62E-02	1.31E+02	3.27E-01	1.64E-03	4.35E-02	1.69E-02	3.89E-01
5891	487552.91	3859942.79	2.66E-01	1.26E-03	3.77E-02	1.61E-02	3.21E-01	3.51E-01	1.21E+02	3.77E-01	8.23E-02	1.22E+02	3.41E-01	1.52E-03	3.77E-02	1.61E-02	3.96E-01
5892	487553.33	3859850.05	2.79E-01	1.27E-03	3.22E-02	1.84E-02	3.30E-01	3.68E-01	1.22E+02	3.22E-01	9.41E-02	1.23E+02	3.57E-01	1.54E-03	3.22E-02	1.84E-02	4.09E-01
5893	487553.76	3859757.31	2.89E-01	1.30E-03	2.72E-02	4.41E-02	3.61E-01	3.82E-01	1.25E+02	2.72E-01	2.25E-01	1.26E+02	3.70E-01	1.58E-03	2.72E-02	4.41E-02	4.43E-01
5894	487554.19	3859664.57	2.98E-01	1.35E-03	2.79E-02	5.57E-02	3.83E-01	3.94E-01	1.29E+02	2.79E-01	2.85E-01	1.30E+02	3.82E-01	1.63E-03	2.79E-02	5.57E-02	4.67E-01
5895	487460.2	3859571.05	3.04E-01	1.56E-03	2.53E-02	4.63E-02	3.77E-01	4.01E-01	1.49E+02	2.53E-01	2.36E-01	1.50E+02	3.89E-01	1.89E-03	2.53E-02	4.63E-02	4.63E-01
5896	487365.78	3859570.27	3.15E-01	1.45E-03	2.55E-02	4.32E-02	3.85E-01	4.16E-01	1.39E+02	2.55E-01	2.21E-01	1.40E+02	4.04E-01	1.75E-03	2.55E-02	4.32E-02	4.75E-01
5897	487271.36	3859569.48	3.52E-01	1.32E-03	2.66E-02	3.95E-02	4.20E-01	4.66E-01	1.27E+02	2.66E-01	2.02E-01	1.28E+02	4.52E-01	1.60E-03	2.66E-02	3.95E-02	5.20E-01
5898	487176.94	3859568.7	3.78E-01	1.24E-03	3.13E-02	4.04E-02	4.51E-01	5.00E-01	1.19E+02	3.13E-01	2.07E-01	1.20E+02	4.85E-01	1.51E-03	3.13E-02	4.04E-02	5.58E-01
5899	487082.51	3859567.92	3.89E-01	1.23E-03	2.58E-02	4.11E-02	4.57E-01	5.13E-01	1.18E+02	2.58E-01	2.10E-01	1.19E+02	4.98E-01	1.49E-03	2.58E-02	4.11E-02	5.66E-01
5900	486988.09	3859567.14	3.84E-01	1.25E-03	3.65E-02	4.12E-02	4.63E-01	5.07E-01	1.20E+02	3.65E-01	2.11E-01	1.21E+02	4.92E-01	1.51E-03	3.65E-02	4.12E-02	5.71E-01
5901	486893.67	3859566.36	3.70E-01	1.26E-03	4.49E-02	4.09E-02	4.57E-01	4.89E-01	1.21E+02	4.49E-01	2.09E-01	1.22E+02	4.74E-01	1.53E-03	4.49E-02	4.09E-02	5.62E-01
5902	486799.25	3859565.58	3.50E-01	1.21E-03	4.62E-02	4.02E-02	4.38E-01	4.63E-01	1.16E+02	4.62E-01	2.05E-01	1.17E+02	4.49E-01	1.46E-03	4.62E-02	4.02E-02	5.37E-01
5903	486704.83	3859564.79	3.28E-01	1.10E-03	4.07E-02	3.92E-02	4.09E-01	4.33E-01	1.06E+02	4.07E-01	2.00E-01	1.07E+02	4.20E-01	1.34E-03	4.07E-02	3.92E-02	5.02E-01
5904	486610.41	3859564.01	3.05E-01	1.04E-03	4.05E-02	3.80E-02	3.85E-01	4.03E-01	1.00E+02	4.05E-01	1.94E-01	1.01E+02	3.91E-01	1.27E-03	4.05E-02	3.80E-02	4.71E-01
5905	486515.99	3859563.23	2.83E-01	9.77E-04	4.35E-02	3.67E-02	3.64E-01	3.74E-01	9.37E+01	4.35E-01	1.88E-01	9.47E+01	3.63E-01	1.18E-03	4.35E-02	3.67E-02	4.44E-01
5906	486421.57	3859562.45	2.66E-01	9.17E-04	4.59E-02	3.54E-02	3.48E-01	3.51E-01	8.79E+01	4.59E-01	1.81E-01	8.89E+01	3.41E-01	1.11E-03	4.59E-02	3.54E-02	4.23E-01
5907	486327.14	3859561.67	2.54E-01	8.62E-04	4.76E-02	3.41E-02	3.37E-01	3.36E-01	8.27E+01	4.76E-01	1.74E-01	8.36E+01	3.26E-01	1.04E-03	4.76E-02	3.41E-02	4.09E-01
5908	486232.72	3859560.89	2.47E-01	8.08E-04	4.79E-02	3.26E-02	3.28E-01	3.26E-01	7.75E+01	4.79E-01	1.67E-01	7.84E+01	3.17E-01	9.79E-04	4.79E-02	3.26E-02	3.98E-01
5909	486138.3	3859560.1	2.42E-01	7.63E-04	4.72E-02	3.12E-02	3.21E-01	3.20E-01	7.32E+01	4.72E-01	1.60E-01	7.41E+01	3.10E-01	9.24E-04	4.72E-02	3.12E-02	3.90E-01
5910	486043.88	3859559.32	2.36E-01	7.26E-04	4.54E-02	2.99E-02	3.12E-01	3.12E-01	6.97E+01	4.54E-01	1.53E-01	7.06E+01	3.03E-01	8.80E-04	4.54E-02	2.99E-02	3.79E-01
5911	485949.35	3859463.54	2.36E-01	8.03E-04	4.83E-02	3.18E-02	3.17E-01	3.12E-01	7.70E+01	4.83E-01	1.63E-01	7.79E+01	3.02E-01	9.72E-04	4.83E-02	3.18E-02	3.83E-01
5912	485949.24	3859368.55	2.43E-01	9.13E-04	4.57E-02	2.86E-02	3.18E-01	3.21E-01	8.76E+01	4.57E-01	1.46E-01	8.85E+01	3.11E-01	1.11E-03	4.57E-02	2.86E-02	3.87E-01
5913	485949.12	3859273.55	2.51E-01	9.94E-04	4.39E-02	2.57E-02	3.21E-01	3.31E-01	9.54E+01	4.39E-01	1.31E-01	9.63E+01	3.21E-01	1.20E-03	4.39E-02	2.57E-02	3.92E-01

5914	485949.01	3859178.56	2.58E-01	1.07E-03	5.44E-02	2.78E-02	3.42E-01	3.41E-01	1.03E+02	5.44E-01	1.42E-01	1.04E+02	3.31E-01	1.30E-03	5.44E-02	2.78E-02	4.15E-01
5915	485948.9	3859083.56	2.68E-01	1.17E-03	6.38E-02	2.35E-02	3.57E-01	3.54E-01	1.12E+02	6.38E-01	1.20E-01	1.13E+02	3.44E-01	1.41E-03	6.38E-02	2.35E-02	4.33E-01
5916	485948.79	3858988.56	2.77E-01	1.26E-03	6.98E-02	2.00E-02	3.69E-01	3.66E-01	1.21E+02	6.98E-01	1.02E-01	1.22E+02	3.56E-01	1.53E-03	6.98E-02	2.00E-02	4.47E-01
5917	485948.67	3858893.57	2.87E-01	1.29E-03	7.10E-02	1.80E-02	3.77E-01	3.79E-01	1.23E+02	7.10E-01	9.17E-02	1.25E+02	3.68E-01	1.56E-03	7.10E-02	1.80E-02	4.58E-01
5918	485948.56	3858798.57	2.99E-01	1.24E-03	6.70E-02	1.69E-02	3.84E-01	3.95E-01	1.18E+02	6.70E-01	8.61E-02	1.20E+02	3.84E-01	1.50E-03	6.70E-02	1.69E-02	4.69E-01
5919	485948.45	3858703.58	3.10E-01	1.23E-03	5.78E-02	1.48E-02	3.84E-01	4.10E-01	1.18E+02	5.78E-01	7.54E-02	1.19E+02	3.98E-01	1.49E-03	5.78E-02	1.48E-02	4.72E-01
5920	485948.34	3858608.58	3.25E-01	1.22E-03	6.24E-02	1.83E-02	4.07E-01	4.30E-01	1.17E+02	6.24E-01	9.35E-02	1.18E+02	4.17E-01	1.47E-03	6.24E-02	1.83E-02	4.99E-01
5921	485948.22	3858513.59	3.42E-01	1.21E-03	6.77E-02	1.75E-02	4.28E-01	4.51E-01	1.17E+02	6.77E-01	8.94E-02	1.18E+02	4.38E-01	1.47E-03	6.77E-02	1.75E-02	5.25E-01
5922	485948.11	3858418.59	3.60E-01	1.24E-03	6.74E-02	2.22E-02	4.51E-01	4.76E-01	1.19E+02	6.74E-01	1.14E-01	1.20E+02	4.62E-01	1.50E-03	6.74E-02	2.22E-02	5.53E-01
5923	485948	3858323.59	3.85E-01	1.26E-03	6.15E-02	1.85E-02	4.66E-01	5.08E-01	1.21E+02	6.15E-01	9.43E-02	1.22E+02	4.93E-01	1.53E-03	6.15E-02	1.85E-02	5.75E-01
5924	485947.89	3858228.6	4.14E-01	1.29E-03	5.11E-02	1.24E-02	4.79E-01	5.47E-01	1.23E+02	5.11E-01	6.36E-02	1.24E+02	5.31E-01	1.56E-03	5.11E-02	1.24E-02	5.96E-01
5925	485947.77	3858133.6	4.53E-01	1.26E-03	6.02E-02	1.30E-02	5.27E-01	5.98E-01	1.21E+02	6.02E-01	6.64E-02	1.22E+02	5.81E-01	1.53E-03	6.02E-02	1.30E-02	6.55E-01
5926	485947.66	3858038.61	5.06E-01	1.20E-03	7.54E-02	1.38E-02	5.97E-01	6.69E-01	1.15E+02	7.54E-01	7.04E-02	1.16E+02	6.49E-01	1.45E-03	7.54E-02	1.38E-02	7.40E-01
5927	485854.54	3857943.35	5.33E-01	9.87E-04	8.18E-02	1.39E-02	6.30E-01	7.04E-01	9.47E+01	8.18E-01	7.11E-02	9.63E+01	6.84E-01	1.20E-03	8.18E-02	1.39E-02	7.80E-01
5928	485761.52	3857943.09	5.10E-01	8.88E-04	8.00E-02	1.49E-02	6.06E-01	6.74E-01	8.51E+01	8.00E-01	7.60E-02	8.67E+01	6.54E-01	1.08E-03	8.00E-02	1.49E-02	7.50E-01
5929	485668.51	3857942.83	5.05E-01	8.12E-04	7.85E-02	1.72E-02	6.01E-01	6.66E-01	7.79E+01	7.85E-01	8.76E-02	7.95E+01	6.47E-01	9.84E-04	7.85E-02	1.72E-02	7.43E-01
5930	485575.5	3857942.56	4.98E-01	7.58E-04	7.68E-02	1.57E-02	5.92E-01	6.58E-01	7.27E+01	7.68E-01	8.03E-02	7.42E+01	6.39E-01	9.19E-04	7.68E-02	1.57E-02	7.32E-01
5931	485482.48	3857942.3	4.92E-01	6.96E-04	7.53E-02	1.26E-02	5.80E-01	6.49E-01	6.68E+01	7.53E-01	6.43E-02	6.82E+01	6.30E-01	8.43E-04	7.53E-02	1.26E-02	7.19E-01
5932	485389.47	3857942.04	4.84E-01	6.49E-04	7.39E-02	1.08E-02	5.69E-01	6.39E-01	6.23E+01	7.39E-01	5.52E-02	6.37E+01	6.20E-01	7.87E-04	7.39E-02	1.08E-02	7.06E-01
5933	485296.46	3857941.78	4.77E-01	6.26E-04	7.24E-02	1.17E-02	5.61E-01	6.30E-01	6.00E+01	7.24E-01	5.96E-02	6.14E+01	6.11E-01	7.58E-04	7.24E-02	1.17E-02	6.96E-01
5934	485203.45	3857941.52	4.73E-01	6.05E-04	7.12E-02	1.35E-02	5.58E-01	6.24E-01	5.80E+01	7.12E-01	6.88E-02	5.94E+01	6.06E-01	7.33E-04	7.12E-02	1.35E-02	6.91E-01
5935	485110.43	3857941.26	4.67E-01	5.86E-04	6.98E-02	1.38E-02	5.52E-01	6.17E-01	5.62E+01	6.98E-01	7.04E-02	5.76E+01	5.99E-01	7.10E-04	6.98E-02	1.38E-02	6.83E-01
5936	485017.42	3857940.99	4.63E-01	5.68E-04	6.84E-02	1.14E-02	5.43E-01	6.11E-01	5.45E+01	6.84E-01	5.80E-02	5.58E+01	5.93E-01	6.88E-04	6.84E-02	1.14E-02	6.73E-01
5937	484924.41	3857940.73	4.59E-01	5.61E-04	6.70E-02	7.69E-03	5.35E-01	6.07E-01	5.38E+01	6.70E-01	3.93E-02	5.52E+01	5.89E-01	6.80E-04	6.70E-02	7.69E-03	6.64E-01
5938	484831.39	3857940.47	4.59E-01	5.50E-04	6.58E-02	9.60E-03	5.35E-01	6.06E-01	5.28E+01	6.58E-01	4.90E-02	5.41E+01	5.88E-01	6.66E-04	6.58E-02	9.60E-03	6.64E-01
5939	484738.12	3857859.3	4.83E-01	5.86E-04	6.68E-02	1.44E-02	5.65E-01	6.38E-01	5.62E+01	6.68E-01	7.36E-02	5.76E+01	6.19E-01	7.10E-04	6.68E-02	1.44E-02	7.01E-01
5940	484737.85	3857778.4	5.07E-01	6.34E-04	6.60E-02	1.49E-02	5.89E-01	6.70E-01	6.08E+01	6.60E-01	7.63E-02	6.22E+01	6.50E-01	7.67E-04	6.60E-02	1.49E-02	7.32E-01
5941	484737.59	3857697.49	5.25E-01	6.83E-04	6.22E-02	1.55E-02	6.03E-01	6.93E-01	6.55E+01	6.22E-01	7.90E-02	6.69E+01	6.73E-01	8.27E-04	6.22E-02	1.55E-02	7.51E-01
5942	484737.32	3857616.59	5.37E-01	7.59E-04	5.60E-02	1.62E-02	6.10E-01	7.09E-01	7.28E+01	5.60E-01	8.25E-02	7.41E+01	6.88E-01	9.19E-04	5.60E-02	1.62E-02	7.61E-01
5943	484645.53	3857535.18	5.40E-01	8.54E-04	4.86E-02	2.28E-02	6.12E-01	7.14E-01	8.19E+01	4.86E-01	1.16E-01	8.32E+01	6.93E-01	1.03E-03	4.86E-02	2.28E-02	7.65E-01
5944	484553.99	3857534.67	5.31E-01	8.25E-04	4.87E-02	1.46E-02	5.95E-01	7.01E-01	7.91E+01	4.87E-01	7.48E-02	8.04E+01	6.81E-01	9.99E-04	4.87E-02	1.46E-02	7.45E-01
5945	484462.46	3857534.17	5.24E-01	8.10E-04	4.89E-02	2.17E-02	5.95E-01	6.92E-01	7.77E+01	4.89E-01	1.11E-01	7.90E+01	6.72E-01	9.81E-04	4.89E-02	2.17E-02	7.43E-01
5946	484370.93	3857533.66	5.17E-01	8.41E-04	4.89E-02	1.47E-02	5.81E-01	6.83E-01	8.07E+01	4.89E-01	7.53E-02	8.19E+01	6.62E-01	1.02E-03	4.89E-02	1.47E-02	7.27E-01
5947	484279.4	3857533.16	5.10E-01	8.81E-04	4.90E-02	9.85E-03	5.70E-01	6.74E-01	8.45E+01	4.90E-01	5.03E-02	8.57E+01	6.54E-01	1.07E-03	4.90E-02	9.85E-03	7.14E-01
5948	484187.86	3857532.65	5.03E-01	9.11E-04	4.90E-02	2.14E-02	5.74E-01	6.64E-01	8.74E+01	4.90E-01	1.09E-01	8.86E+01	6.45E-01	1.10E-03	4.90E-02	2.14E-02	7.16E-01
5949	484096.33	3857532.15	4.97E-01	8.91E-04	4.90E-02	2.34E-02	5.71E-01	6.57E-01	8.55E+01	4.90E-01	1.19E-01	8.68E+01	6.38E-01	1.08E-03	4.90E-02	2.34E-02	7.11E-01
5950	484004.8	3857531.64	4.89E-01	8.55E-04	4.89E-02	1.76E-02	5.56E-01	6.46E-01	8.20E+01	4.89E-01	9.00E-02	8.32E+01	6.27E-01	1.04E-03	4.89E-02	1.76E-02	6.95E-01
5951	483913.27	3857531.14	4.77E-01	8.05E-04	4.86E-02	2.57E-02	5.52E-01	6.30E-01	7.72E+01	4.86E-01	1.31E-01	7.85E+01	6.11E-01	9.76E-04	4.86E-02	2.57E-02	6.87E-01
5952	483821.73	3857530.63	4.62E-01	7.70E-04	4.85E-02	3.03E-02	5.41E-01	6.10E-01	7.38E+01	4.85E-01	1.55E-01	7.51E+01	5.92E-01	9.33E-04	4.85E-02	3.03E-02	6.72E-01
5953	483729.61	3857450.11	4.39E-01	8.19E-04	4.31E-02	2.58E-02	5.08E-01	5.80E-01	7.86E+01	4.31E-01	1.32E-01	7.97E+01	5.62E-01	9.92E-04	4.31E-02	2.58E-02	6.32E-01
5954	483729.03	3857370.08	4.39E-01	8.82E-04	3.89E-02	2.62E-02	5.05E-01	5.80E-01	8.46E+01	3.89E-01	1.34E-01	8.57E+01	5.63E-01	1.07E-03	3.89E-02	2.62E-02	6.29E-01
5955	483728.44	3857290.06	4.36E-01	9.45E-04	4.13E-02	2.89E-02	5.07E-01	5.75E-01	9.07E+01	4.13E-01	1.47E-01	9.18E+01	5.58E-01	1.15E-03	4.13E-02	2.89E-02	6.30E-01
5956	483727.86	3857210.03	4.30E-01	1.01E-03	4.24E-02	3.15E-02	5.05E-01	5.68E-01	9.70E+01	4.24E-01	1.61E-01	9.82E+01	5.51E-01	1.23E-03	4.24E-02	3.15E-02	6.27E-01
5957	483641.15	3857129.07	4.16E-01	1.10E-03	4.20E-02	2.16E-02	4.80E-01	5.49E-01	1.06E+02	4.20E-01	1.11E-01	1.07E+02	5.33E-01	1.34E-03	4.20E-02	2.16E-02	5.98E-01
5958	483555.03	3857128.14	4.08E-01	1.02E-03	4.16E-02	2.49E-02	4.75E-01	5.39E-01	9.78E+01	4.16E-01	1.27E-01	9.89E+01	5.23E-01	1.24E-03	4.16E-02	2.49E-02	5.91E-01
5959	483468.91	3857127.2	3.95E-01	9.66E-04	4.09E-02	2.58E-02	4.62E-01	5.21E-01	9.27E+01	4.09E-01	1.32E-01	9.37E+01	5.06E-01	1.17E-03	4.09E-02	2.58E-02	5.74E-01
5960	483382.78	3857126.26	3.83E-01	8.97E-04	4.05E-02	2.50E-02	4.50E-01	5.06E-01	8.61E+01	4.05E-01	1.28E-01	8.71E+01	4.91E-01	1.09E-03	4.05E-02	2.50E-02	5.58E-01
5961	483296.66	3857125.32	3.79E-01	8.47E-04	3.99E-02	3.01E-02	4.50E-01	5.00E-01	8.13E+01	3.99E-01	1.54E-01	8.23E+01	4.86E-01	1.03E-03	3.99E-02	3.01E-02	5.57E-01
5962	483210.54	3857124.39	3.73E-01	8.00E-04	3.93E-02	3.04E-02	4.44E-01	4.93E-01	7.67E+01	3.93E-01	1.55E-01	7.78E+01	4.79E-01	9.69E-04	3.93E-02	3.04E-02	5.49E-01
5963	483123.4	3857030.96	4.05E-01	8.40E-04	3.90E-02	2.14E-02	4.67E-01	5.36E-01	8.05E+01	3.90E-01	1.09E-01	8.16E+01	5.20E-01	1.02E-03	3.90E-02	2.14E-02	5.81E-01
5964	483122.38	3856938.46	4.38E-01	9.20E-04	4.09E-02	1.93E-02	4.99E-01	5.79E-01	8.82E+01	4.09E-01	9.84E-02	8.93E+01	5.62E-01	1.11E-03	4.09E-02	1.93E-02	6.23E-01
5965	483121.35	3856845.97	4.63E-01	9.84E-04	4.28E-02	1.02E-02	5.17E-01	6.11E-01	9.44E+01	4.28E-01	5.21E-02	9.55E+01	5.93E-01	1.19E-03	4.28E-02	1.02E-02	6.47E-01
5966	483120.33	3856753.47	4.76E-01	1.05E-03	4.30E-02	9.80E-03	5.30E-01	6.28E-01	1.01E+02	4.30E-01	5.01E-02	1.02E+02	6.10E-01	1.28E-03	4.30E-02	9.80E-03	6.64E-01
5967	483119.31	3856660.98	4.85E-01	1.08E-03	4.18E-02	1.40E-02	5.42E-01	6.41E-01	1.03E+02	4.18E-01	7.13E-02	1.04E+02	6.22E-01	1.30E-03	4.18E-02	1.40E-02	6.79E-01
5968	483118.29	3856568.49	4.96E-01	1.05E-03	3.94E-02	1.67E-02	5.53E-01	6.55E-01	1.00E+02	3.94E-01	8.52E-02	1.02E+02	6.35E-01	1.27E-03	3.94E-02	1.67E-02	6.93E-01
5969	483117.26	3856475.99	5.07E-01	1.07E-03	3.81E-02	1.20E-02	5.59E-01	6.70E-01	1.03E+02	3.81E-01	6.14E-02	1.04E+02	6.51E-01	1.30E-03	3.81E-02	1.20E-02	7.02E-01
5970	483116.24	3856383.5	5.18E-01	1.10E-03	3.74E-02	1.42E-02	5.71E-01	6.84E-01	1.05E+02	3.74E-01	7.27E-02	1.06E+02	6.64E-01	1.33E-03	3.74E-02	1.42E-02	7.17E-01
5971	483115.22	3856291.01	5.29E-01	1.11E-03	3.95E-02	2.31E-02	5.93E-01	6.99E-01	1.07E+02	3.95E-01	1.18E-01	1.08E+02	6.78E-01	1.35E-03	3.95E-02	2.31E-02	7.42E-01
5972	483114.2	3856198.51	5.38E-01	1.14E-03	4.00E-02	2.55E-02	6.05E-01	7.11E-01	1.09E+02	4.00E-01	1.30E-01	1.11E+02	6.90E-01	1.38E-03	4.00E-02	2.55E-02	7.57E-01
5973	483113.17	3856106.02	5.53E-01	1.13E-03	3.91E-02	2.07E-02	6.14E-01	7.31E-01	1.08E+02	3.91E-01	1.06E-01	1.10E+02	7.09E-01	1.37E-03	3.91E-02	2.07E-02	7.70E-01
5974	483112.15	3856013.52	5.69E-01	1.16E-03	3.98E-02	3.49E-02	6.45E-01	7.52E-01	1.11E+02	3.98E-01	1.79E-01	1.12E+02	7.30E-01	1.40E-03	3.98E-02	3.49E-02	8.06E-01

5975	483029.25	3855920.47	5.85E-01	1.02E-03	4.51E-02	2.62E-02	6.58E-01	7.73E-01	9.76E+01	4.51E-01	1.34E-01	9.90E+01	7.50E-01	1.23E-03	4.51E-02	2.62E-02	8.23E-01
5976	482947.37	3855919.91	5.72E-01	9.37E-04	4.27E-02	2.59E-02	6.42E-01	7.56E-01	8.99E+01	4.27E-01	1.32E-01	9.12E+01	7.34E-01	1.14E-03	4.27E-02	2.59E-02	8.04E-01
5977	482865.49	3855919.36	5.59E-01	9.36E-04	3.98E-02	2.41E-02	6.24E-01	7.38E-01	8.98E+01	3.98E-01	1.23E-01	9.10E+01	7.17E-01	1.13E-03	3.98E-02	2.41E-02	7.82E-01
5978	482783.61	3855918.8	5.49E-01	9.06E-04	4.13E-02	2.15E-02	6.12E-01	7.25E-01	8.69E+01	4.13E-01	1.10E-01	8.81E+01	7.04E-01	1.10E-03	4.13E-02	2.15E-02	7.67E-01
5979	482700.33	3855818.39	5.62E-01	9.46E-04	4.30E-02	2.00E-02	6.26E-01	7.43E-01	9.08E+01	4.30E-01	1.02E-01	9.20E+01	7.21E-01	1.15E-03	4.30E-02	2.00E-02	7.85E-01
5980	482698.92	3855718.54	5.89E-01	9.24E-04	5.00E-02	1.55E-02	6.55E-01	7.78E-01	8.86E+01	5.00E-01	7.91E-02	9.00E+01	7.55E-01	1.12E-03	5.00E-02	1.55E-02	8.22E-01
5981	482697.52	3855618.68	6.09E-01	9.05E-04	5.23E-02	1.69E-02	6.79E-01	8.04E-01	8.68E+01	5.23E-01	8.61E-02	8.83E+01	7.80E-01	1.10E-03	5.23E-02	1.69E-02	8.51E-01
5982	482696.11	3855518.83	6.21E-01	9.01E-04	5.09E-02	1.93E-02	6.92E-01	8.20E-01	8.64E+01	5.09E-01	9.85E-02	8.79E+01	7.96E-01	1.09E-03	5.09E-02	1.93E-02	8.67E-01
5983	482694.71	3855418.98	6.08E-01	9.05E-04	4.50E-02	2.15E-02	6.76E-01	8.03E-01	8.68E+01	4.50E-01	1.10E-01	8.82E+01	7.80E-01	1.10E-03	4.50E-02	2.15E-02	8.47E-01
5984	482693.3	3855319.13	5.78E-01	8.75E-04	3.68E-02	2.31E-02	6.39E-01	7.63E-01	8.39E+01	3.68E-01	1.18E-01	8.51E+01	7.41E-01	1.06E-03	3.68E-02	2.31E-02	8.02E-01
5985	482691.9	3855219.27	5.52E-01	7.66E-04	2.77E-02	2.40E-02	6.04E-01	7.29E-01	7.34E+01	2.77E-01	1.22E-01	7.46E+01	7.08E-01	9.28E-04	2.77E-02	2.40E-02	7.60E-01
5986	482690.49	3855119.42	5.05E-01	6.74E-04	1.94E-02	3.44E-02	5.59E-01	6.67E-01	6.46E+01	1.94E-01	1.76E-01	6.57E+01	6.47E-01	8.16E-04	1.94E-02	3.44E-02	7.02E-01
5987	482689.09	3855019.57	4.27E-01	6.66E-04	1.62E-02	3.89E-02	4.82E-01	5.63E-01	6.39E+01	1.62E-01	1.99E-01	6.48E+01	5.47E-01	8.07E-04	1.62E-02	3.89E-02	6.03E-01
5988	482687.68	3854919.72	4.63E-01	6.74E-04	1.55E-02	2.62E-02	5.05E-01	6.11E-01	6.47E+01	1.55E-01	1.34E-01	6.56E+01	5.93E-01	8.17E-04	1.55E-02	2.62E-02	6.36E-01
5989	482686.28	3854819.86	4.95E-01	6.10E-04	1.50E-02	2.44E-02	5.35E-01	6.54E-01	5.85E+01	1.50E-01	1.24E-01	5.95E+01	6.35E-01	7.39E-04	1.50E-02	2.44E-02	6.75E-01
5990	482684.88	3854720.01	5.48E-01	5.43E-04	1.71E-02	2.07E-02	5.86E-01	7.23E-01	5.21E+01	1.71E-01	1.06E-01	5.31E+01	7.02E-01	6.58E-04	1.71E-02	2.07E-02	7.41E-01
5991	482683.47	3854620.16	5.88E-01	4.47E-04	1.92E-02	1.79E-02	6.25E-01	7.77E-01	4.29E+01	1.92E-01	9.14E-02	4.39E+01	7.54E-01	5.42E-04	1.92E-02	1.79E-02	7.91E-01
5992	482682.07	3854520.31	6.05E-01	3.85E-04	2.14E-02	1.53E-02	6.42E-01	7.99E-01	3.69E+01	2.14E-01	7.81E-02	3.80E+01	7.76E-01	4.67E-04	2.14E-02	1.53E-02	8.13E-01
5993	482680.66	3854420.45	6.08E-01	3.54E-04	2.35E-02	2.36E-02	6.56E-01	8.03E-01	3.39E+01	2.35E-01	1.21E-01	3.51E+01	7.80E-01	4.29E-04	2.35E-02	2.36E-02	8.27E-01
5994	482679.26	3854320.6	5.99E-01	3.32E-04	2.55E-02	2.92E-02	6.54E-01	7.91E-01	3.19E+01	2.55E-01	1.49E-01	3.31E+01	7.68E-01	4.03E-04	2.55E-02	2.92E-02	8.23E-01
5995	482677.85	3854220.75	5.75E-01	3.04E-04	2.74E-02	2.81E-02	6.31E-01	7.60E-01	2.91E+01	2.74E-01	1.44E-01	3.03E+01	7.38E-01	3.68E-04	2.74E-02	2.81E-02	7.93E-01
5996	482676.45	3854120.9	5.13E-01	2.85E-04	2.90E-02	2.30E-02	5.65E-01	6.77E-01	2.73E+01	2.90E-01	1.18E-01	2.84E+01	6.57E-01	3.45E-04	2.90E-02	2.30E-02	7.10E-01
5997	482675.04	3854021.04	5.25E-01	2.63E-04	3.03E-02	1.81E-02	5.74E-01	6.94E-01	2.52E+01	3.03E-01	9.23E-02	2.63E+01	6.73E-01	3.18E-04	3.03E-02	1.81E-02	7.22E-01
5998	482673.64	3853921.19	5.62E-01	2.40E-04	3.14E-02	1.47E-02	6.08E-01	7.42E-01	2.30E+01	3.14E-01	7.49E-02	2.42E+01	7.20E-01	2.91E-04	3.14E-02	1.47E-02	7.67E-01
5999	482672.23	3853821.34	5.67E-01	2.16E-04	3.20E-02	1.27E-02	6.12E-01	7.50E-01	2.07E+01	3.20E-01	6.51E-02	2.19E+01	7.28E-01	2.62E-04	3.20E-02	1.27E-02	7.73E-01
6000	482670.83	3853721.49	5.26E-01	1.94E-04	3.23E-02	1.32E-02	5.72E-01	6.95E-01	1.86E+01	3.23E-01	6.75E-02	1.97E+01	6.75E-01	2.35E-04	3.23E-02	1.32E-02	7.20E-01
6001	482669.42	3853621.63	4.54E-01	1.76E-04	3.22E-02	1.32E-02	5.00E-01	6.00E-01	1.69E+01	3.22E-01	6.75E-02	1.79E+01	5.82E-01	2.14E-04	3.22E-02	1.32E-02	6.28E-01
6002	482645.99	3853446.13	4.71E-01	1.68E-04	3.13E-02	1.14E-02	5.14E-01	6.22E-01	1.61E+01	3.13E-01	5.83E-02	1.71E+01	6.04E-01	2.04E-04	3.13E-02	1.14E-02	6.47E-01
6003	482623.97	3853370.49	4.64E-01	1.67E-04	3.07E-02	1.07E-02	5.05E-01	6.13E-01	1.60E+01	3.07E-01	5.49E-02	1.70E+01	5.95E-01	2.02E-04	3.07E-02	1.07E-02	6.36E-01
6004	482601.94	3853294.84	4.42E-01	1.65E-04	3.01E-02	1.01E-02	4.83E-01	5.84E-01	1.58E+01	3.01E-01	5.16E-02	1.68E+01	5.67E-01	2.00E-04	3.01E-02	1.01E-02	6.07E-01
6005	482531.29	3853133.44	4.47E-01	1.62E-04	2.86E-02	9.43E-03	4.85E-01	5.91E-01	1.56E+01	2.86E-01	4.82E-02	1.65E+01	5.73E-01	1.97E-04	2.86E-02	9.43E-03	6.12E-01
6006	482482.68	3853047.69	4.36E-01	1.60E-04	2.78E-02	9.17E-03	4.74E-01	5.76E-01	1.54E+01	2.78E-01	4.68E-02	1.63E+01	5.59E-01	1.94E-04	2.78E-02	9.17E-03	5.97E-01
6007	482383.09	3852897.4	4.40E-01	1.58E-04	2.66E-02	8.65E-03	4.75E-01	5.81E-01	1.52E+01	2.66E-01	4.42E-02	1.61E+01	5.64E-01	1.92E-04	2.66E-02	8.65E-03	5.99E-01
6008	482265.64	3852765.26	4.31E-01	1.51E-04	2.57E-02	8.04E-03	4.65E-01	5.69E-01	1.45E+01	2.57E-01	4.11E-02	1.53E+01	5.53E-01	1.83E-04	2.57E-02	8.04E-03	5.87E-01
6009	482199.16	3852697.66	4.21E-01	1.45E-04	2.54E-02	7.69E-03	4.54E-01	5.56E-01	1.39E+01	2.54E-01	3.93E-02	1.47E+01	5.40E-01	1.75E-04	2.54E-02	7.69E-03	5.73E-01
6010	482132.69	3852630.07	4.12E-01	1.41E-04	2.50E-02	7.34E-03	4.44E-01	5.44E-01	1.35E+01	2.50E-01	3.75E-02	1.43E+01	5.28E-01	1.70E-04	2.50E-02	7.34E-03	5.60E-01
6011	482066.21	3852562.48	4.02E-01	1.40E-04	2.47E-02	7.01E-03	4.34E-01	5.31E-01	1.34E+01	2.47E-01	3.58E-02	1.42E+01	5.16E-01	1.69E-04	2.47E-02	7.01E-03	5.48E-01
6012	481999.74	3852494.89	3.93E-01	1.40E-04	2.43E-02	6.68E-03	4.24E-01	5.19E-01	1.34E+01	2.43E-01	3.41E-02	1.42E+01	5.04E-01	1.69E-04	2.43E-02	6.68E-03	5.35E-01
6013	481933.26	3852427.29	3.84E-01	1.40E-04	2.40E-02	6.36E-03	4.15E-01	5.07E-01	1.35E+01	2.40E-01	3.25E-02	1.42E+01	4.92E-01	1.70E-04	2.40E-02	6.36E-03	5.23E-01
6014	481866.79	3852359.7	3.76E-01	1.40E-04	2.37E-02	6.11E-03	4.06E-01	4.97E-01	1.34E+01	2.37E-01	3.12E-02	1.42E+01	4.82E-01	1.70E-04	2.37E-02	6.11E-03	5.12E-01
6015	481800.31	3852292.11	3.69E-01	1.40E-04	2.33E-02	6.03E-03	3.98E-01	4.87E-01	1.34E+01	2.33E-01	3.08E-02	1.42E+01	4.73E-01	1.70E-04	2.33E-02	6.03E-03	5.02E-01
6016	481733.84	3852224.52	3.61E-01	1.40E-04	2.30E-02	5.95E-03	3.90E-01	4.77E-01	1.34E+01	2.30E-01	3.04E-02	1.41E+01	4.63E-01	1.69E-04	2.30E-02	5.95E-03	4.92E-01
6017	481667.36	3852156.92	3.54E-01	1.38E-04	2.27E-02	5.87E-03	3.83E-01	4.68E-01	1.33E+01	2.27E-01	3.00E-02	1.40E+01	4.54E-01	1.68E-04	2.27E-02	5.87E-03	4.83E-01
6018	481600.89	3852089.33	3.47E-01	1.39E-04	2.24E-02	5.78E-03	3.75E-01	4.58E-01	1.33E+01	2.24E-01	2.95E-02	1.40E+01	4.44E-01	1.68E-04	2.24E-02	5.78E-03	4.73E-01
6019	481534.41	3852021.74	3.39E-01	1.38E-04	2.21E-02	5.69E-03	3.67E-01	4.48E-01	1.33E+01	2.21E-01	2.91E-02	1.40E+01	4.35E-01	1.68E-04	2.21E-02	5.69E-03	4.63E-01
6020	481467.94	3851954.15	3.32E-01	1.37E-04	2.18E-02	5.60E-03	3.59E-01	4.38E-01	1.31E+01	2.18E-01	2.86E-02	1.38E+01	4.25E-01	1.66E-04	2.18E-02	5.60E-03	4.53E-01
6021	481401.46	3851886.55	3.25E-01	1.34E-04	2.15E-02	5.51E-03	3.53E-01	4.30E-01	1.29E+01	2.15E-01	2.82E-02	1.35E+01	4.17E-01	1.62E-04	2.15E-02	5.51E-03	4.44E-01
6022	481265.87	3851761.43	3.07E-01	1.27E-04	2.11E-02	5.32E-03	3.33E-01	4.05E-01	1.22E+01	2.11E-01	2.72E-02	1.29E+01	3.93E-01	1.54E-04	2.11E-02	5.32E-03	4.20E-01
6023	481196.74	3851703.89	2.95E-01	1.25E-04	2.10E-02	5.23E-03	3.22E-01	3.90E-01	1.20E+01	2.10E-01	2.67E-02	1.27E+01	3.78E-01	1.52E-04	2.10E-02	5.23E-03	4.05E-01
6024	481076.33	3851619.05	2.70E-01	1.31E-04	2.10E-02	5.05E-03	2.96E-01	3.56E-01	1.25E+01	2.10E-01	2.58E-02	1.31E+01	3.46E-01	1.58E-04	2.10E-02	5.05E-03	3.72E-01
6025	480939.8	3851549.07	2.64E-01	1.38E-04	2.12E-02	4.83E-03	2.90E-01	3.48E-01	1.32E+01	2.12E-01	2.47E-02	1.38E+01	3.38E-01	1.67E-04	2.12E-02	4.83E-03	3.64E-01
6026	480854.56	3851506.41	2.63E-01	1.41E-04	2.14E-02	4.88E-03	2.90E-01	3.48E-01	1.35E+01	2.14E-01	2.49E-02	1.41E+01	3.38E-01	1.71E-04	2.14E-02	4.88E-03	3.64E-01
6027	480769.32	3851463.75	2.61E-01	1.42E-04	2.15E-02	4.99E-03	2.88E-01	3.45E-01	1.36E+01	2.15E-01	2.55E-02	1.42E+01	3.34E-01	1.72E-04	2.15E-02	4.99E-03	3.61E-01
6028	480684.08	3851421.08	2.56E-01	1.41E-04	2.16E-02	5.12E-03	2.83E-01	3.38E-01	1.36E+01	2.16E-01	2.62E-02	1.41E+01	3.28E-01	1.71E-04	2.16E-02	5.12E-03	3.55E-01
6029	480598.84	3851378.42	2.49E-01	1.40E-04	2.17E-02	5.09E-03	2.76E-01	3.29E-01	1.34E+01	2.17E-01	2.60E-02	1.40E+01	3.19E-01	1.69E-04	2.17E-02	5.09E-03	3.46E-01
6030	480435.71	3851275.01	2.34E-01	1.32E-04	2.17E-02	5.30E-03	2.61E-01	3.09E-01	1.27E+01	2.17E-01	2.71E-02	1.32E+01	3.00E-01	1.60E-04	2.17E-02	5.30E-03	3.27E-01
6031	480347.85	3851232.36	2.23E-01	1.27E-04	2.18E-02	5.37E-03	2.50E-01	2.94E-01	1.22E+01	2.18E-01	2.74E-02	1.27E+01	2.86E-01	1.54E-04	2.18E-02	5.37E-03	3.13E-01
6032	480260	3851189.72	2.12E-01	1.23E-04	2.19E-02	5.49E-03	2.39E-01	2.80E-01	1.18E+01	2.19E-01	2.80E-02	1.23E+01	2.71E-01	1.49E-04	2.19E-02	5.49E-03	2.99E-01
6033	480172.15	3851147.07	2.13E-01	1.27E-04	2.19E-02	5.63E-03	2.40E-01	2.81E-01	1.22E+01	2.19E-01	2.87E-02	1.27E+01	2.73E-01	1.54E-04	2.19E-02	5.63E-03	3.00E-01
6034	480084.29	3851104.42	2.12E-01	1.31E-04	2.19E-02	5.83E-03	2.40E-01	2.81E-01	1.25E+01	2.19E-01	2.98E-02	1.31E+01	2.72E-01	1.58E-04	2.19E-02	5.83E-03	3.00E-01
6035	479996.44	3851061.77	2.11E-01	1.34E-04	2.20E-02	6.09E-03	2.39E-01	2.79E-01	1.28E+01	2.20E-01	3.11E-02	1.34E+01	2.70E-01	1.62E-04	2.20E-02	6.09E-03	2.99E-01

6036	479908.58	3851019.13	2.08E-01	1.34E-04	2.20E-02	6.96E-03	2.37E-01	2.75E-01	1.29E+01	2.20E-01	3.56E-02	1.34E+01	2.67E-01	1.63E-04	2.20E-02	6.96E-03	2.96E-01
6037	479820.73	3850976.48	2.05E-01	1.38E-04	2.20E-02	7.10E-03	2.34E-01	2.70E-01	1.32E+01	2.20E-01	3.63E-02	1.37E+01	2.62E-01	1.67E-04	2.20E-02	7.10E-03	2.92E-01
6038	479732.88	3850933.83	2.00E-01	1.41E-04	2.19E-02	7.16E-03	2.29E-01	2.64E-01	1.36E+01	2.19E-01	3.66E-02	1.41E+01	2.56E-01	1.71E-04	2.19E-02	7.16E-03	2.86E-01
6039	479645.02	3850891.18	1.98E-01	1.46E-04	2.19E-02	7.07E-03	2.27E-01	2.61E-01	1.40E+01	2.19E-01	3.61E-02	1.45E+01	2.53E-01	1.77E-04	2.19E-02	7.07E-03	2.83E-01
6040	479557.17	3850848.54	1.97E-01	1.51E-04	2.19E-02	6.79E-03	2.26E-01	2.60E-01	1.45E+01	2.19E-01	3.47E-02	1.50E+01	2.53E-01	1.83E-04	2.19E-02	6.79E-03	2.81E-01
6041	479469.32	3850805.89	1.95E-01	1.55E-04	2.18E-02	6.85E-03	2.24E-01	2.58E-01	1.48E+01	2.18E-01	3.50E-02	1.53E+01	2.50E-01	1.87E-04	2.18E-02	6.85E-03	2.79E-01
6042	479381.46	3850763.24	1.92E-01	1.61E-04	2.18E-02	6.33E-03	2.21E-01	2.54E-01	1.55E+01	2.18E-01	3.23E-02	1.60E+01	2.47E-01	1.95E-04	2.18E-02	6.33E-03	2.75E-01
6043	479293.61	3850720.59	1.89E-01	1.70E-04	2.17E-02	5.52E-03	2.16E-01	2.50E-01	1.63E+01	2.17E-01	2.82E-02	1.68E+01	2.42E-01	2.06E-04	2.17E-02	5.52E-03	2.70E-01
6044	479205.76	3850677.95	1.85E-01	1.78E-04	2.16E-02	5.47E-03	2.12E-01	2.44E-01	1.70E+01	2.16E-01	2.79E-02	1.75E+01	2.37E-01	2.15E-04	2.16E-02	5.47E-03	2.64E-01
6045	479117.9	3850635.3	1.80E-01	1.86E-04	2.15E-02	5.60E-03	2.07E-01	2.37E-01	1.78E+01	2.15E-01	2.86E-02	1.83E+01	2.30E-01	2.25E-04	2.15E-02	5.60E-03	2.58E-01
6046	479030.05	3850592.65	1.74E-01	1.92E-04	2.14E-02	5.73E-03	2.01E-01	2.30E-01	1.84E+01	2.14E-01	2.93E-02	1.89E+01	2.23E-01	2.33E-04	2.14E-02	5.73E-03	2.50E-01
6047	478942.19	3850550	1.68E-01	1.93E-04	2.13E-02	5.86E-03	1.95E-01	2.22E-01	1.85E+01	2.13E-01	2.99E-02	1.90E+01	2.15E-01	2.34E-04	2.13E-02	5.86E-03	2.43E-01
6048	478854.34	3850507.36	1.74E-01	1.86E-04	2.12E-02	5.98E-03	2.01E-01	2.29E-01	1.79E+01	2.12E-01	3.06E-02	1.84E+01	2.23E-01	2.26E-04	2.12E-02	5.98E-03	2.50E-01
6049	478766.49	3850464.71	1.71E-01	1.85E-04	2.10E-02	6.11E-03	1.98E-01	2.25E-01	1.77E+01	2.10E-01	3.12E-02	1.82E+01	2.19E-01	2.24E-04	2.10E-02	6.11E-03	2.46E-01
6050	478678.63	3850422.06	1.63E-01	1.84E-04	2.09E-02	6.23E-03	1.91E-01	2.16E-01	1.77E+01	2.09E-01	3.18E-02	1.81E+01	2.09E-01	2.23E-04	2.09E-02	6.23E-03	2.37E-01
6051	478590.78	3850379.41	1.55E-01	1.82E-04	2.07E-02	6.35E-03	1.83E-01	2.05E-01	1.74E+01	2.07E-01	3.25E-02	1.79E+01	1.99E-01	2.20E-04	2.07E-02	6.35E-03	2.26E-01
6052	478502.93	3850336.77	1.54E-01	1.81E-04	2.06E-02	6.48E-03	1.81E-01	2.03E-01	1.73E+01	2.06E-01	3.31E-02	1.78E+01	1.97E-01	2.19E-04	2.06E-02	6.48E-03	2.24E-01
6053	478415.07	3850294.12	1.55E-01	1.80E-04	2.04E-02	6.59E-03	1.82E-01	2.05E-01	1.73E+01	2.04E-01	3.37E-02	1.77E+01	1.99E-01	2.18E-04	2.04E-02	6.59E-03	2.26E-01
6054	478327.22	3850251.47	1.57E-01	1.75E-04	2.03E-02	6.71E-03	1.85E-01	2.08E-01	1.68E+01	2.03E-01	3.43E-02	1.73E+01	2.02E-01	2.13E-04	2.03E-02	6.71E-03	2.29E-01
6055	478239.36	3850208.82	1.58E-01	1.71E-04	2.01E-02	6.82E-03	1.85E-01	2.09E-01	1.64E+01	2.01E-01	3.48E-02	1.69E+01	2.03E-01	2.07E-04	2.01E-02	6.82E-03	2.30E-01
6056	478151.51	3850166.18	1.58E-01	1.67E-04	1.99E-02	6.93E-03	1.85E-01	2.08E-01	1.60E+01	1.99E-01	3.54E-02	1.65E+01	2.02E-01	2.02E-04	1.99E-02	6.93E-03	2.29E-01
6057	478063.66	3850123.53	1.56E-01	1.63E-04	1.97E-02	7.04E-03	1.83E-01	2.06E-01	1.56E+01	1.97E-01	3.60E-02	1.60E+01	2.00E-01	1.97E-04	1.97E-02	7.04E-03	2.27E-01
6058	477975.8	3850080.88	1.46E-01	1.70E-04	1.96E-02	7.14E-03	1.73E-01	1.93E-01	1.63E+01	1.96E-01	3.65E-02	1.67E+01	1.87E-01	2.06E-04	1.96E-02	7.14E-03	2.14E-01
6059	477887.95	3850038.23	1.42E-01	1.67E-04	1.94E-02	7.24E-03	1.69E-01	1.88E-01	1.61E+01	1.94E-01	3.70E-02	1.65E+01	1.82E-01	2.03E-04	1.94E-02	7.24E-03	2.09E-01
6060	477800.1	3849995.59	1.39E-01	1.66E-04	1.92E-02	7.34E-03	1.66E-01	1.84E-01	1.59E+01	1.92E-01	3.75E-02	1.63E+01	1.78E-01	2.01E-04	1.92E-02	7.34E-03	2.05E-01
6061	477712.24	3849952.94	1.38E-01	1.60E-04	1.90E-02	7.43E-03	1.65E-01	1.83E-01	1.53E+01	1.90E-01	3.80E-02	1.58E+01	1.78E-01	1.94E-04	1.90E-02	7.43E-03	2.04E-01
6062	477624.39	3849910.29	1.37E-01	1.54E-04	1.88E-02	7.52E-03	1.64E-01	1.82E-01	1.47E+01	1.88E-01	3.84E-02	1.51E+01	1.76E-01	1.86E-04	1.88E-02	7.52E-03	2.03E-01
6063	477536.54	3849867.64	1.35E-01	1.48E-04	1.86E-02	7.61E-03	1.61E-01	1.78E-01	1.42E+01	1.86E-01	3.89E-02	1.46E+01	1.73E-01	1.79E-04	1.86E-02	7.61E-03	1.99E-01
6064	477448.68	3849825	1.35E-01	1.39E-04	1.84E-02	7.69E-03	1.61E-01	1.78E-01	1.34E+01	1.84E-01	3.93E-02	1.38E+01	1.73E-01	1.69E-04	1.84E-02	7.69E-03	1.99E-01
6065	477360.83	3849782.35	1.33E-01	1.31E-04	1.82E-02	7.77E-03	1.59E-01	1.76E-01	1.26E+01	1.82E-01	3.97E-02	1.30E+01	1.71E-01	1.59E-04	1.82E-02	7.77E-03	1.97E-01
6066	477272.97	3849739.7	1.32E-01	1.28E-04	1.80E-02	7.84E-03	1.58E-01	1.74E-01	1.23E+01	1.80E-01	4.01E-02	1.27E+01	1.69E-01	1.56E-04	1.80E-02	7.84E-03	1.95E-01
6067	477185.12	3849697.05	1.29E-01	1.28E-04	1.78E-02	7.91E-03	1.55E-01	1.70E-01	1.23E+01	1.78E-01	4.04E-02	1.26E+01	1.65E-01	1.55E-04	1.78E-02	7.91E-03	1.91E-01
6068	477097.27	3849654.41	1.28E-01	1.27E-04	1.75E-02	7.98E-03	1.54E-01	1.69E-01	1.22E+01	1.75E-01	4.07E-02	1.26E+01	1.64E-01	1.54E-04	1.75E-02	7.98E-03	1.90E-01
6069	477009.41	3849611.76	1.30E-01	1.25E-04	1.73E-02	8.04E-03	1.56E-01	1.72E-01	1.20E+01	1.73E-01	4.11E-02	1.24E+01	1.67E-01	1.52E-04	1.73E-02	8.04E-03	1.92E-01
6070	476841.49	3849530.08	1.25E-01	1.25E-04	1.69E-02	8.14E-03	1.50E-01	1.65E-01	1.20E+01	1.69E-01	4.16E-02	1.24E+01	1.60E-01	1.52E-04	1.69E-02	8.14E-03	1.85E-01
6071	476761.41	3849491.05	1.22E-01	1.26E-04	1.67E-02	8.19E-03	1.47E-01	1.62E-01	1.20E+01	1.67E-01	4.18E-02	1.24E+01	1.57E-01	1.52E-04	1.67E-02	8.19E-03	1.82E-01
6072	476681.34	3849452.02	1.24E-01	1.23E-04	1.65E-02	8.23E-03	1.48E-01	1.63E-01	1.18E+01	1.65E-01	4.20E-02	1.22E+01	1.58E-01	1.49E-04	1.65E-02	8.23E-03	1.83E-01
6073	476601.26	3849412.99	1.25E-01	1.19E-04	1.63E-02	8.27E-03	1.50E-01	1.66E-01	1.14E+01	1.63E-01	4.22E-02	1.18E+01	1.61E-01	1.45E-04	1.63E-02	8.27E-03	1.86E-01
6074	476456.32	3849353.67	1.29E-01	1.07E-04	1.59E-02	8.36E-03	1.53E-01	1.70E-01	1.03E+01	1.59E-01	4.27E-02	1.06E+01	1.65E-01	1.29E-04	1.59E-02	8.36E-03	1.90E-01
6075	476305.43	3849318.84	1.32E-01	1.15E-04	1.53E-02	8.51E-03	1.56E-01	1.75E-01	1.10E+01	1.53E-01	4.35E-02	1.14E+01	1.69E-01	1.40E-04	1.53E-02	8.51E-03	1.93E-01
6076	476129.36	3849289.99	1.39E-01	1.27E-04	1.46E-02	8.67E-03	1.62E-01	1.83E-01	1.22E+01	1.46E-01	4.43E-02	1.26E+01	1.78E-01	1.54E-04	1.46E-02	8.67E-03	2.01E-01
6077	476039.31	3849275.68	1.39E-01	1.31E-04	1.42E-02	8.73E-03	1.62E-01	1.83E-01	1.26E+01	1.42E-01	4.46E-02	1.30E+01	1.78E-01	1.59E-04	1.42E-02	8.73E-03	2.01E-01
6078	475949.26	3849261.38	1.41E-01	1.31E-04	1.38E-02	8.78E-03	1.63E-01	1.86E-01	1.26E+01	1.38E-01	4.49E-02	1.30E+01	1.80E-01	1.59E-04	1.38E-02	8.78E-03	2.03E-01
6079	475859.21	3849247.08	1.37E-01	1.32E-04	1.34E-02	8.82E-03	1.59E-01	1.81E-01	1.27E+01	1.34E-01	4.50E-02	1.30E+01	1.76E-01	1.60E-04	1.34E-02	8.82E-03	1.98E-01
6080	475769.16	3849232.77	1.32E-01	1.30E-04	1.30E-02	8.84E-03	1.54E-01	1.74E-01	1.24E+01	1.30E-01	4.52E-02	1.28E+01	1.69E-01	1.57E-04	1.30E-02	8.84E-03	1.91E-01
6081	475585.23	3849219.27	1.16E-01	9.54E-05	1.21E-02	8.86E-03	1.37E-01	1.53E-01	9.15E+00	1.21E-01	4.53E-02	9.47E+00	1.48E-01	1.16E-04	1.21E-02	8.86E-03	1.70E-01
6082	475444.5	3849150.35	1.25E-01	1.07E-04	1.18E-02	8.79E-03	1.46E-01	1.65E-01	1.03E+01	1.18E-01	4.49E-02	1.06E+01	1.61E-01	1.30E-04	1.18E-02	8.79E-03	1.81E-01
6083	475334.18	3849118.71	1.30E-01	1.05E-04	1.14E-02	8.74E-03	1.51E-01	1.72E-01	1.00E+01	1.14E-01	4.46E-02	1.04E+01	1.67E-01	1.27E-04	1.14E-02	8.74E-03	1.87E-01
6084	475230.47	3849060.57	1.30E-01	1.01E-04	1.12E-02	8.67E-03	1.50E-01	1.72E-01	9.67E+00	1.12E-01	4.43E-02	1.00E+01	1.67E-01	1.22E-04	1.12E-02	8.67E-03	1.87E-01
6085	475110.86	3848960.97	1.26E-01	9.87E-05	1.12E-02	8.59E-03	1.45E-01	1.66E-01	9.47E+00	1.12E-01	4.39E-02	9.79E+00	1.61E-01	1.20E-04	1.12E-02	8.59E-03	1.81E-01
6086	475037.79	3848896.28	1.22E-01	9.64E-05	1.12E-02	8.54E-03	1.42E-01	1.61E-01	9.24E+00	1.12E-01	4.36E-02	9.56E+00	1.56E-01	1.17E-04	1.12E-02	8.54E-03	1.76E-01
6087	474964.72	3848831.59	1.18E-01	9.42E-05	1.12E-02	8.49E-03	1.38E-01	1.56E-01	9.04E+00	1.12E-01	4.34E-02	9.35E+00	1.51E-01	1.14E-04	1.12E-02	8.49E-03	1.71E-01
6088	474891.65	3848766.9	1.14E-01	9.36E-05	1.12E-02	8.44E-03	1.34E-01	1.50E-01	8.97E+00	1.12E-01	4.31E-02	9.28E+00	1.46E-01	1.13E-04	1.12E-02	8.44E-03	1.66E-01
6089	474818.58	3848702.22	1.10E-01	9.36E-05	1.12E-02	8.39E-03	1.30E-01	1.45E-01	8.97E+00	1.12E-01	4.29E-02	9.27E+00	1.41E-01	1.13E-04	1.12E-02	8.39E-03	1.61E-01
6090	474745.51	3848637.53	1.07E-01	9.66E-05	1.13E-02	8.34E-03	1.27E-01	1.42E-01	9.27E+00	1.13E-01	4.26E-02	9.56E+00	1.37E-01	1.17E-04	1.13E-02	8.34E-03	1.57E-01
6091	474672.44	3848572.84	1.06E-01	9.78E-05	1.13E-02	8.30E-03	1.26E-01	1.41E-01	9.38E+00	1.13E-01	4.24E-02	9.67E+00	1.37E-01	1.18E-04	1.13E-02	8.30E-03	1.56E-01
6092	474599.37	3848508.15	1.08E-01	9.57E-05	1.13E-02	8.25E-03	1.28E-01	1.43E-01	9.18E+00	1.13E-01	4.21E-02	9.48E+00	1.38E-01	1.16E-04	1.13E-02	8.25E-03	1.58E-01
6093	474526.3	3848443.46	1.09E-01	9.51E-05	1.13E-02	8.20E-03	1.29E-01	1.44E-01	9.12E+00	1.13E-01	4.19E-02	9.42E+00	1.40E-01	1.15E-04	1.13E-02	8.20E-03	1.60E-01

			PM10				2028 Unmitigated					2028 Mitigated					2033 Unmitigated				
			Period				Rates (g/s	4.04E-03	2.98E-02	6.38E-03	3.16E-03	3.68E-03	3.22E-08	8.50E-05	8.61E-05		4.68E-03	2.98E-02	6.38E-03	3.16E-03	
			Concentration [ug/m^3] at 1 g/s					Concentration [ug/m^3]				Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARI	WHS (PAF	STCK1-1(	STCK11-39		CHE (PARE/	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PARE/	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PARE	WHS (PAR	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	0.35979	0.05383	0.0076	0.03265		1.45E-03	1.61E-03	4.82E-05	1.03E-04	3.21E-03	1.32E-03	1.73E-09	6.42E-07	2.81E-06	1.33E-03	1.68E-03	1.61E-03	4.82E-05	1.03E-04	3.44E-03
2	486023.61	3854936.51	0.35175	0.05307	0.008	0.0328		1.42E-03	1.58E-03	5.07E-05	1.04E-04	3.16E-03	1.29E-03	1.71E-09	6.76E-07	2.82E-06	1.30E-03	1.64E-03	1.58E-03	5.07E-05	1.04E-04	3.38E-03
3	486073.61	3854936.51	0.34752	0.05264	0.0085	0.03292		1.40E-03	1.57E-03	5.39E-05	1.04E-04	3.13E-03	1.28E-03	1.70E-09	7.19E-07	2.83E-06	1.28E-03	1.63E-03	1.57E-03	5.39E-05	1.04E-04	3.35E-03
4	486123.61	3854936.51	0.33447	0.05146	0.0091	0.03298		1.35E-03	1.54E-03	5.78E-05	1.04E-04	3.05E-03	1.23E-03	1.66E-09	7.71E-07	2.84E-06	1.23E-03	1.56E-03	1.54E-03	5.78E-05	1.04E-04	3.26E-03
5	486173.61	3854936.51	0.33517	0.05149	0.0096	0.03307		1.35E-03	1.54E-03	6.12E-05	1.04E-04	3.06E-03	1.23E-03	1.66E-09	8.16E-07	2.85E-06	1.24E-03	1.57E-03	1.54E-03	6.12E-05	1.04E-04	3.27E-03
6	486223.61	3854936.51	0.32784	0.05082	0.0101	0.03312		1.33E-03	1.52E-03	6.46E-05	1.05E-04	3.01E-03	1.21E-03	1.64E-09	8.61E-07	2.85E-06	1.21E-03	1.53E-03	1.52E-03	6.46E-05	1.05E-04	3.22E-03
7	486273.61	3854936.51	0.32303	0.05039	0.0105	0.03316		1.31E-03	1.50E-03	6.70E-05	1.05E-04	2.98E-03	1.19E-03	1.62E-09	8.93E-07	2.86E-06	1.19E-03	1.51E-03	1.50E-03	6.70E-05	1.05E-04	3.19E-03
8	486323.61	3854936.51	0.319	0.05004	0.0107	0.03319		1.29E-03	1.49E-03	6.83E-05	1.05E-04	2.96E-03	1.17E-03	1.61E-09	9.11E-07	2.86E-06	1.18E-03	1.49E-03	1.49E-03	6.83E-05	1.05E-04	3.16E-03
9	485973.61	3854986.51	0.42822	0.05766	0.0074	0.03413		1.73E-03	1.72E-03	4.75E-05	1.08E-04	3.61E-03	1.57E-03	1.86E-09	6.33E-07	2.94E-06	1.58E-03	2.00E-03	1.72E-03	4.75E-05	1.08E-04	3.88E-03
10	486023.61	3854986.51	0.41882	0.057	0.0078	0.03425		1.69E-03	1.70E-03	4.94E-05	1.08E-04	3.55E-03	1.54E-03	1.84E-09	6.59E-07	2.95E-06	1.54E-03	1.96E-03	1.70E-03	4.94E-05	1.08E-04	3.82E-03
11	486073.61	3854986.51	0.40693	0.05613	0.0082	0.03434		1.64E-03	1.67E-03	5.24E-05	1.08E-04	3.48E-03	1.50E-03	1.81E-09	6.98E-07	2.96E-06	1.50E-03	1.90E-03	1.67E-03	5.24E-05	1.08E-04	3.74E-03
12	486123.61	3854986.51	0.396	0.05533	0.0088	0.03442		1.60E-03	1.65E-03	5.59E-05	1.09E-04	3.42E-03	1.46E-03	1.78E-09	7.45E-07	2.96E-06	1.46E-03	1.85E-03	1.65E-03	5.59E-05	1.09E-04	3.67E-03
13	486173.61	3854986.51	0.39106	0.05501	0.0093	0.03449		1.58E-03	1.64E-03	5.94E-05	1.09E-04	3.39E-03	1.44E-03	1.77E-09	7.93E-07	2.97E-06	1.44E-03	1.83E-03	1.64E-03	5.94E-05	1.09E-04	3.64E-03
14	486223.61	3854986.51	0.3802	0.05421	0.0099	0.03454		1.54E-03	1.62E-03	6.32E-05	1.09E-04	3.33E-03	1.40E-03	1.75E-09	8.43E-07	2.97E-06	1.40E-03	1.78E-03	1.62E-03	6.32E-05	1.09E-04	3.57E-03
15	486273.61	3854986.51	0.36848	0.05333	0.0104	0.03456		1.49E-03	1.59E-03	6.65E-05	1.09E-04	3.26E-03	1.35E-03	1.72E-09	8.87E-07	2.98E-06	1.36E-03	1.72E-03	1.59E-03	6.65E-05	1.09E-04	3.49E-03
16	486323.61	3854986.51	0.36928	0.05349	0.0107	0.03461		1.49E-03	1.60E-03	6.83E-05	1.09E-04	3.27E-03	1.36E-03	1.72E-09	9.11E-07	2.98E-06	1.36E-03	1.73E-03	1.60E-03	6.83E-05	1.09E-04	3.50E-03
17	485973.61	3855036.51	0.50892	0.06187	0.0074	0.03569		2.06E-03	1.85E-03	4.71E-05	1.13E-04	4.06E-03	1.87E-03	1.99E-09	6.28E-07	3.07E-06	1.87E-03	2.38E-03	1.85E-03	4.71E-05	1.13E-04	4.39E-03
18	486023.61	3855036.51	0.49299	0.06097	0.0076	0.0358		1.99E-03	1.82E-03	4.85E-05	1.13E-04	3.97E-03	1.81E-03	1.97E-09	6.47E-07	3.08E-06	1.82E-03	2.31E-03	1.82E-03	4.85E-05	1.13E-04	4.29E-03
19	486073.61	3855036.51	0.4734	0.05978	0.008	0.03589		1.91E-03	1.78E-03	5.10E-05	1.13E-04	3.86E-03	1.74E-03	1.93E-09	6.80E-07	3.09E-06	1.74E-03	2.21E-03	1.78E-03	5.10E-05	1.13E-04	4.16E-03
20	486123.61	3855036.51	0.45938	0.05895	0.0085	0.03597		1.86E-03	1.76E-03	5.42E-05	1.14E-04	3.78E-03	1.69E-03	1.90E-09	7.22E-07	3.10E-06	1.69E-03	2.15E-03	1.76E-03	5.42E-05	1.14E-04	4.07E-03
21	486173.61	3855036.51	0.45222	0.05861	0.009	0.03604		1.83E-03	1.75E-03	5.77E-05	1.14E-04	3.75E-03	1.66E-03	1.89E-09	7.69E-07	3.10E-06	1.67E-03	2.11E-03	1.75E-03	5.77E-05	1.14E-04	4.03E-03
22	486223.61	3855036.51	0.43527	0.05752	0.0097	0.03609		1.76E-03	1.72E-03	6.17E-05	1.14E-04	3.65E-03	1.60E-03	1.85E-09	8.23E-07	3.11E-06	1.60E-03	2.04E-03	1.72E-03	6.17E-05	1.14E-04	3.93E-03
23	486273.61	3855036.51	0.43038	0.05734	0.0102	0.03613		1.74E-03	1.71E-03	6.51E-05	1.14E-04	3.63E-03	1.58E-03	1.85E-09	8.67E-07	3.11E-06	1.59E-03	2.01E-03	1.71E-03	6.51E-05	1.14E-04	3.90E-03
24	486323.61	3855036.51	0.4187	0.05662	0.0107	0.03613		1.69E-03	1.69E-03	6.79E-05	1.14E-04	3.56E-03	1.54E-03	1.82E-09	9.06E-07	3.11E-06	1.54E-03	1.96E-03	1.69E-03	6.79E-05	1.14E-04	3.83E-03
25	485973.61	3855086.51	0.59656	0.06611	0.0074	0.03738		2.41E-03	1.97E-03	4.72E-05	1.18E-04	4.55E-03	2.19E-03	2.13E-09	6.29E-07	3.22E-06	2.20E-03	2.79E-03	1.97E-03	4.72E-05	1.18E-04	4.93E-03
26	486023.61	3855086.51	0.57889	0.06535	0.0075	0.03748		2.34E-03	1.95E-03	4.80E-05	1.18E-04	4.46E-03	2.13E-03	2.11E-09	6.40E-07	3.23E-06	2.13E-03	2.71E-03	1.95E-03	4.80E-05	1.18E-04	4.82E-03
27	486073.61	3855086.51	0.55216	0.06395	0.0078	0.03759		2.23E-03	1.91E-03	4.99E-05	1.19E-04	4.31E-03	2.03E-03	2.06E-09	6.65E-07	3.24E-06	2.03E-03	2.58E-03	1.91E-03	4.99E-05	1.19E-04	4.66E-03
28	486123.61	3855086.51	0.53744	0.06329	0.0082	0.03768		2.17E-03	1.89E-03	5.24E-05	1.19E-04	4.23E-03	1.98E-03	2.04E-09	6.99E-07	3.24E-06	1.98E-03	2.51E-03	1.89E-03	5.24E-05	1.19E-04	4.57E-03
29	486173.61	3855086.51	0.5161	0.06214	0.0088	0.03775		2.09E-03	1.85E-03	5.60E-05	1.19E-04	4.12E-03	1.90E-03	2.00E-09	7.47E-07	3.25E-06	1.90E-03	2.41E-03	1.85E-03	5.60E-05	1.19E-04	4.44E-03
30	486223.61	3855086.51	0.50271	0.06151	0.0094	0.03779		2.03E-03	1.84E-03	5.98E-05	1.19E-04	4.05E-03	1.85E-03	1.98E-09	7.97E-07	3.25E-06	1.85E-03	2.35E-03	1.84E-03	5.98E-05	1.19E-04	4.37E-03
31	485973.61	3855136.51	0.70047	0.07099	0.0074	0.03923		2.83E-03	2.12E-03	4.75E-05	1.24E-04	5.12E-03	2.58E-03	2.29E-09	6.33E-07	3.38E-06	2.58E-03	3.28E-03	2.12E-03	4.75E-05	1.24E-04	5.57E-03
32	486023.61	3855136.51	0.67119	0.0698	0.0075	0.03935		2.71E-03	2.08E-03	4.79E-05	1.24E-04	4.97E-03	2.47E-03	2.25E-09	6.39E-07	3.39E-06	2.47E-03	3.14E-03	2.08E-03	4.79E-05	1.24E-04	5.39E-03
33	486073.61	3855136.51	0.6427	0.06858	0.0077	0.03946		2.60E-03	2.05E-03	4.91E-05	1.25E-04	4.82E-03	2.36E-03	2.21E-09	6.55E-07	3.40E-06	2.37E-03	3.01E-03	2.05E-03	4.91E-05	1.25E-04	5.23E-03
34	486123.61	3855136.51	0.61884	0.06757	0.008	0.03955		2.50E-03	2.02E-03	5.12E-05	1.25E-04	4.69E-03	2.28E-03	2.18E-09	6.82E-07	3.41E-06	2.28E-03	2.89E-03	2.02E-03	5.12E-05	1.25E-04	5.09E-03
35	486173.61	3855136.51	0.59428	0.06644	0.0085	0.0396		2.40E-03	1.98E-03	5.42E-05	1.25E-04	4.56E-03	2.18E-03	2.14E-09	7.22E-07	3.41E-06	2.19E-03	2.78E-03	1.98E-03	5.42E-05	1.25E-04	4.94E-03
36	486223.61	3855136.51	0.57351	0.06551	0.0091	0.0396		2.32E-03	1.95E-03	5.78E-05	1.25E-04	4.46E-03	2.11E-03	2.11E-09	7.71E-07	3.41E-06	2.11E-03	2.68E-03	1.95E-03	5.78E-05	1.25E-04	4.82E-03
37	485973.61	3855186.51	0.81479	0.07616	0.0075	0.04127		3.29E-03	2.27E-03	4.80E-05	1.30E-04	5.74E-03	3.00E-03	2.45E-09	6.40E-07	3.55E-06	3.00E-03	3.81E-03	2.27E-03	4.80E-05	1.30E-04	6.26E-03
38	486023.61	3855186.51	0.77903	0.0749	0.0075	0.04139		3.15E-03	2.23E-03	4.80E-05	1.31E-04	5.56E-03	2.86E-03	2.41E-09	6.40E-07	3.56E-06	2.87E-03	3.64E-03	2.23E-03	4.80E-05	1.31E-04	6.06E-03
39	486073.61	3855186.51	0.73751	0.07321	0.0077	0.0415		2.98E-03	2.18E-03	4.88E-05	1.31E-04	5.35E-03	2.71E-03	2.36E-09	6.51E-07	3.57E-06	2.72E-03	3.45E-03	2.18E-03	4.88E-05	1.31E-04	5.81E-03
40	486123.61	3855186.51	0.70041	0.07166	0.0079	0.04156		2.83E-03	2.14E-03	5.04E-05	1.31E-04	5.15E-03	2.58E-03	2.31E-09	6.72E-07	3.58E-06	2.58E-03	3.28E-03	2.14E-03	5.04E-05	1.31E-04	5.60E-03
41	486173.61	3855186.51	0.67267	0.07057	0.0083	0.04156		2.72E-03	2.11E-03	5.28E-05	1.31E-04	5.01E-03	2.47E-03	2.27E-09	7.03E-07	3.58E-06	2.48E-03	3.15E-03	2.11E-03	5.28E-05	1.31E-04	5.44E-03
42	486223.61	3855186.51	0.647	0.06953	0.0088	0.0415		2.62E-03	2.07E-03	5.60E-05	1.31E-04	4.88E-03	2.38E-03	2.24E-09	7.47E-07	3.57E-06	2.38E-03	3.03E-03	2.07E-03	5.60E-05	1.31E-04	5.29E-03
43	486273.61	3855186.51	0.62113	0.0684	0.0094	0.04138		2.51E-03	2.04E-03	6.00E-05	1.31E-04	4.74E-03	2.28E-03	2.20E-09	7.99E-07	3.56E-06	2.29E-03	2.90E-03	2.04E-03	6.00E-05	1.31E-04	5.14E-03
44	486323.61	3855186.51	0.6181	0.06872	0.0099	0.0412		2.50E-03	2.05E-03	6.31E-05	1.30E-04	4.74E-03	2.27E-03	2.21E-09	8.42E-07	3.55E-06	2.28E-03	2.89E-03	2.05E-03	6.31E-05	1.30E-04	5.13E-03
45	485973.61	3855236.51	0.93689	0.08148	0.0076	0.0435		3.79E-03	2.43E-03	4.86E-05	1.37E-04	6.40E-03	3.44E-03	2.63E-09	6.48E-07	3.75E-06	3.45E-03	4.38E-03	2.43E-03	4.86E-05	1.37E-04	7.00E-03
46	486023.61	3855236.51	0.88342	0.07959	0.0076	0.04361		3.57E-03	2.37E-03	4.86E-05	1.38E-04	6.13E-03	3.25E-03	2.57E-09	6.48E-07	3.76E-06	3.25E-03	4.13E-03	2.37E-03	4.86E-05	1.38E-04	6.69E-03
47	486073.61	3855236.51	0.83246	0.07766	0.0077	0.04368		3.36E-03	2.32E-03	4.90E-05	1.38E-04	5.87E-03	3.06E-03	2.50E-09	6.53E-07	3.76E-06	3.06E-03	3.89E-03	2.32E-03	4.90E-05	1.38E-04	6.40E-03
48	486123.61	3855236.51	0.79373	0.07629	0.0078	0.04366		3.21E-03	2.28E-03	4.99E-05	1.38E-04	5.67E-03	2.92E-03	2.46E-09	6.66E-07	3.76E-06	2.92E-03	3.71E-03	2.28E-03	4.99E-05	1.38E-04	6.18E-03
49	486173.61	3855236.51	0.75961	0.07507	0.0081	0.04357		3.07E-03	2.24E-03	5.17E-05	1.38E-04	5.50E-03	2.79E-03	2.42E-09	6.89E-07	3.75E-06	2.80E-03	3.55E-03	2.24E-03	5.17E-05	1.38E-04	5.98E-03
50	486223.61	3855236.51	0.72594	0.07377	0.0085	0.04342		2.93E-03	2.20E-03	5.45E-05	1.37E-04	5.33E-03	2.67E-03	2.38E-09	7.26E-07	3.74E-06	2.67E-03	3.39E-03	2.20E-03	5.45E-05	1.37E-04	5.79E-03
51	486273.61	3855236.51	0.68433	0.07187	0.0092	0.04321		2.77E-03	2.14E-03	5.84E-05	1.36E-04	5.11E-03	2.52E-03	2.32E-09	7.79E-07	3.72E-06	2.52E-03	3.20E-03	2.14E-03	5.84E-05	1.36E-04	5.54E-03
52	486323.61	3855236.51	0.69012	0.07286	0.0096	0.04291		2.79E-03	2.17E-03	6.12E-05	1.35E-04	5.16E-03	2.54E-03	2.35E-09	8.16E-07	3.69E-06	2.54E-03	3.23E-03	2.17E-03	6.12E-05	1.35E-04	5.60E-03
53	485973.61	3855286.51	1.06643	0.08692	0.0077	0.04588		4.31E-03	2.59E-03	4.93E-05	1.45E-04	7.10E-03	3.92E-03	2.80E-09	6.57E-07	3.95E-06	3.93E-03	4.99E-03	2.59E-03	4.93E-05	1.45E-04	7.77E-03
54	486023.61	3855286.51	0.99888	0.08469	0.0077	0.04593		4.04E-03	2.53E-03	4.94E-05	1.45E-04	6.76E-03	3.67E-03	2.73E-09	6.58E-07	3.96E-06	3.68E-03	4.67E-03	2.53E-03	4.94E-05	1.45E-04	7.39E-03
55	486073.61	3855286.51	0.9432	0.08284	0.0077	0.04589		3.81E-03	2.47E-03	4.94E-05	1.45E-04	6.48E-03	3.47E-03	2.67E-09	6.58E-07	3.95E-06	3.47E-03	4.41E-03	2.47E-03	4.94E-05	1.45E-04	7.08E-03
56	486123.61	3855286.51	0.88981	0.08094	0.0078	0.04578		3.60E-03	2.41E-03	4.99E-05	1.45E-04	6.21E-03	3.27E-03	2.61E-09	6.66E-07	3.94E-06	3.28E-03	4.16E-03	2.41E-03	4.99E-05	1.45E-04	6.77E-03
57	486173.61	3855286.51	0.84441	0.07933	0.008	0.04558		3.41E-03	2.37E-03	5.12E-05	1.44E-04	5.98E-03	3.10E-03	2.56E-09	6.83E-07	3.92E-06	3.11E-03	3.95E-03	2.37E-03	5.12E-05	1.44E-04	6.51E-03

58	486223.61	3855286.51	0.80997	0.07821	0.0084	0.04531	3.27E-03	2.33E-03	5.33E-05	1.43E-04	5.80E-03	2.98E-03	2.52E-09	7.10E-07	3.90E-06	2.98E-03	3.79E-03	2.33E-03	5.33E-05	1.43E-04	6.32E-03
59	486123.61	3855336.51	0.9916	0.08581	0.0079	0.04787	4.01E-03	2.56E-03	5.04E-05	1.51E-04	6.77E-03	3.65E-03	2.77E-09	6.72E-07	4.12E-06	3.65E-03	4.64E-03	2.56E-03	5.04E-05	1.51E-04	7.40E-03
60	486173.61	3855336.51	0.94435	0.08434	0.008	0.04755	3.82E-03	2.52E-03	5.10E-05	1.50E-04	6.53E-03	3.47E-03	2.72E-09	6.80E-07	4.09E-06	3.48E-03	4.42E-03	2.52E-03	5.10E-05	1.50E-04	7.13E-03
61	486223.61	3855336.51	0.89853	0.08282	0.0082	0.04719	3.63E-03	2.47E-03	5.25E-05	1.49E-04	6.30E-03	3.30E-03	2.67E-09	7.00E-07	4.06E-06	3.31E-03	4.20E-03	2.47E-03	5.25E-05	1.49E-04	6.87E-03
62	486123.61	3855386.51	1.10315	0.0911	0.008	0.04995	4.46E-03	2.72E-03	5.10E-05	1.58E-04	7.39E-03	4.06E-03	2.94E-09	6.80E-07	4.30E-06	4.06E-03	5.16E-03	2.72E-03	5.10E-05	1.58E-04	8.09E-03
63	486173.61	3855386.51	1.04736	0.08948	0.008	0.04955	4.23E-03	2.67E-03	5.12E-05	1.56E-04	7.11E-03	3.85E-03	2.88E-09	6.83E-07	4.27E-06	3.86E-03	4.90E-03	2.67E-03	5.12E-05	1.56E-04	7.78E-03
64	486223.61	3855386.51	0.99853	0.08802	0.0082	0.04912	4.04E-03	2.63E-03	5.21E-05	1.55E-04	6.87E-03	3.67E-03	2.84E-09	6.95E-07	4.23E-06	3.68E-03	4.67E-03	2.63E-03	5.21E-05	1.55E-04	7.50E-03
65	486533.18	3855443.15	0.87006	0.08677	0.011	0.04887	3.52E-03	2.59E-03	7.02E-05	1.54E-04	6.33E-03	3.20E-03	2.80E-09	9.36E-07	4.21E-06	3.20E-03	4.07E-03	2.59E-03	7.02E-05	1.54E-04	6.88E-03
66	486583.18	3855443.15	0.8365	0.08553	0.0115	0.04851	3.38E-03	2.55E-03	7.34E-05	1.53E-04	6.16E-03	3.08E-03	2.76E-09	9.78E-07	4.18E-06	3.08E-03	3.91E-03	2.55E-03	7.34E-05	1.53E-04	6.69E-03
67	486633.18	3855443.15	0.80518	0.08435	0.0118	0.04816	3.25E-03	2.52E-03	7.53E-05	1.52E-04	6.00E-03	2.96E-03	2.72E-09	1.00E-06	4.15E-06	2.97E-03	3.77E-03	2.52E-03	7.53E-05	1.52E-04	6.51E-03
68	486683.18	3855443.15	0.78231	0.08363	0.0118	0.0478	3.16E-03	2.49E-03	7.53E-05	1.51E-04	5.88E-03	2.88E-03	2.70E-09	1.00E-06	4.12E-06	2.88E-03	3.66E-03	2.49E-03	7.53E-05	1.51E-04	6.38E-03
69	486533.18	3855493.15	0.94341	0.0915	0.0108	0.05108	3.81E-03	2.73E-03	6.86E-05	1.61E-04	6.77E-03	3.47E-03	2.95E-09	9.15E-07	4.40E-06	3.47E-03	4.41E-03	2.73E-03	6.86E-05	1.61E-04	7.37E-03
70	486583.18	3855493.15	0.90847	0.09033	0.0113	0.05066	3.67E-03	2.69E-03	7.23E-05	1.60E-04	6.60E-03	3.34E-03	2.91E-09	9.64E-07	4.36E-06	3.35E-03	4.25E-03	2.69E-03	7.23E-05	1.60E-04	7.18E-03
71	486633.18	3855493.15	0.87397	0.08907	0.0118	0.05024	3.53E-03	2.66E-03	7.49E-05	1.59E-04	6.42E-03	3.21E-03	2.87E-09	9.99E-07	4.33E-06	3.22E-03	4.09E-03	2.66E-03	7.49E-05	1.59E-04	6.98E-03
72	486683.18	3855493.15	0.84215	0.08789	0.012	0.04982	3.40E-03	2.62E-03	7.62E-05	1.57E-04	6.26E-03	3.10E-03	2.83E-09	1.02E-06	4.29E-06	3.10E-03	3.94E-03	2.62E-03	7.62E-05	1.57E-04	6.79E-03
73	486533.18	3855543.15	1.02514	0.09679	0.0105	0.05338	4.14E-03	2.89E-03	6.67E-05	1.69E-04	7.27E-03	3.77E-03	3.12E-09	8.89E-07	4.60E-06	3.77E-03	4.79E-03	2.89E-03	6.67E-05	1.69E-04	7.92E-03
74	486583.18	3855543.15	0.97626	0.09489	0.0112	0.05289	3.95E-03	2.83E-03	7.11E-05	1.67E-04	7.02E-03	3.59E-03	3.06E-09	9.48E-07	4.55E-06	3.59E-03	4.57E-03	2.83E-03	7.11E-05	1.67E-04	7.63E-03
75	486633.18	3855543.15	0.9404	0.09367	0.0117	0.05238	3.80E-03	2.79E-03	7.44E-05	1.65E-04	6.84E-03	3.46E-03	3.02E-09	9.92E-07	4.51E-06	3.46E-03	4.40E-03	2.79E-03	7.44E-05	1.65E-04	7.43E-03
76	486683.18	3855543.15	0.89666	0.09183	0.0121	0.05187	3.62E-03	2.74E-03	7.71E-05	1.64E-04	6.60E-03	3.30E-03	2.96E-09	1.03E-06	4.47E-06	3.30E-03	4.19E-03	2.74E-03	7.71E-05	1.64E-04	7.17E-03
77	486533.18	3855593.15	1.10441	0.10194	0.0102	0.05575	4.46E-03	3.04E-03	6.49E-05	1.76E-04	7.75E-03	4.06E-03	3.29E-09	8.65E-07	4.80E-06	4.07E-03	5.16E-03	3.04E-03	6.49E-05	1.76E-04	8.45E-03
78	486583.18	3855593.15	1.05435	0.10014	0.0109	0.05515	4.26E-03	2.99E-03	6.93E-05	1.74E-04	7.49E-03	3.88E-03	3.23E-09	9.24E-07	4.75E-06	3.88E-03	4.93E-03	2.99E-03	6.93E-05	1.74E-04	8.16E-03
79	486633.18	3855593.15	1.01036	0.09854	0.0115	0.05454	4.08E-03	2.94E-03	7.34E-05	1.72E-04	7.27E-03	3.71E-03	3.18E-09	9.78E-07	4.70E-06	3.72E-03	4.73E-03	2.94E-03	7.34E-05	1.72E-04	7.91E-03
80	486683.18	3855593.15	0.97406	0.0973	0.012	0.05392	3.94E-03	2.90E-03	7.63E-05	1.70E-04	7.09E-03	3.58E-03	3.14E-09	1.02E-06	4.64E-06	3.59E-03	4.56E-03	2.90E-03	7.63E-05	1.70E-04	7.70E-03
81	486533.18	3855643.15	1.18984	0.10752	0.0099	0.05814	4.81E-03	3.21E-03	6.31E-05	1.84E-04	8.26E-03	4.37E-03	3.47E-09	8.42E-07	5.01E-06	4.38E-03	5.56E-03	3.21E-03	6.31E-05	1.84E-04	9.02E-03
82	486583.18	3855643.15	1.13677	0.1057	0.0106	0.05741	4.60E-03	3.15E-03	6.74E-05	1.81E-04	8.00E-03	4.18E-03	3.41E-09	8.99E-07	4.94E-06	4.19E-03	5.32E-03	3.15E-03	6.74E-05	1.81E-04	8.72E-03
83	486633.18	3855643.15	1.08732	0.1039	0.0113	0.05669	4.40E-03	3.10E-03	7.18E-05	1.79E-04	7.75E-03	4.00E-03	3.35E-09	9.57E-07	4.88E-06	4.00E-03	5.08E-03	3.10E-03	7.18E-05	1.79E-04	8.44E-03
84	486683.18	3855643.15	1.04391	0.10233	0.0118	0.05596	4.22E-03	3.05E-03	7.55E-05	1.77E-04	7.52E-03	3.84E-03	3.30E-09	1.01E-06	4.82E-06	3.84E-03	4.88E-03	3.05E-03	7.55E-05	1.77E-04	8.19E-03
85	486533.18	3855693.15	1.28749	0.1138	0.0097	0.0605	5.20E-03	3.40E-03	6.16E-05	1.91E-04	8.85E-03	4.73E-03	3.67E-09	8.21E-07	5.21E-06	4.74E-03	6.02E-03	3.40E-03	6.16E-05	1.91E-04	9.67E-03
86	486583.18	3855693.15	1.21688	0.11112	0.0103	0.05968	4.92E-03	3.32E-03	6.58E-05	1.88E-04	8.49E-03	4.47E-03	3.58E-09	8.77E-07	5.14E-06	4.48E-03	5.69E-03	3.32E-03	6.58E-05	1.88E-04	9.26E-03
87	486633.18	3855693.15	1.15057	0.10845	0.0111	0.05885	4.65E-03	3.24E-03	7.07E-05	1.86E-04	8.14E-03	4.23E-03	3.50E-09	9.42E-07	5.07E-06	4.24E-03	5.38E-03	3.24E-03	7.07E-05	1.86E-04	8.87E-03
88	486683.18	3855693.15	1.11611	0.10757	0.0117	0.05798	4.51E-03	3.21E-03	7.44E-05	1.83E-04	7.98E-03	4.10E-03	3.47E-09	9.92E-07	4.99E-06	4.11E-03	5.22E-03	3.21E-03	7.44E-05	1.83E-04	8.69E-03
89	486733.18	3855693.15	1.09399	0.10738	0.012	0.0571	4.42E-03	3.20E-03	7.66E-05	1.80E-04	7.88E-03	4.02E-03	3.46E-09	1.02E-06	4.92E-06	4.03E-03	5.12E-03	3.20E-03	7.66E-05	1.80E-04	8.58E-03
90	486783.18	3855693.15	1.07809	0.10759	0.0121	0.05624	4.36E-03	3.21E-03	7.72E-05	1.78E-04	7.82E-03	3.96E-03	3.47E-09	1.03E-06	4.84E-06	3.97E-03	5.04E-03	3.21E-03	7.72E-05	1.78E-04	8.51E-03
91	486533.18	3855743.15	1.38152	0.11987	0.0095	0.06284	5.58E-03	3.58E-03	6.06E-05	1.98E-04	9.42E-03	5.08E-03	3.86E-09	8.08E-07	5.41E-06	5.09E-03	6.46E-03	3.58E-03	6.06E-05	1.98E-04	1.03E-02
92	486583.18	3855743.15	1.2938	0.11638	0.0101	0.0619	5.23E-03	3.47E-03	6.44E-05	1.95E-04	8.96E-03	4.76E-03	3.75E-09	8.59E-07	5.33E-06	4.76E-03	6.05E-03	3.47E-03	6.44E-05	1.95E-04	9.78E-03
93	486633.18	3855743.15	1.23167	0.11414	0.0108	0.06092	4.98E-03	3.41E-03	6.88E-05	1.92E-04	8.65E-03	4.53E-03	3.68E-09	9.18E-07	5.25E-06	4.53E-03	5.76E-03	3.41E-03	6.88E-05	1.92E-04	9.43E-03
94	486683.18	3855743.15	1.20122	0.11365	0.0114	0.0599	4.86E-03	3.39E-03	7.25E-05	1.89E-04	8.51E-03	4.42E-03	3.66E-09	9.66E-07	5.16E-06	4.42E-03	5.62E-03	3.39E-03	7.25E-05	1.89E-04	9.27E-03
95	486733.18	3855743.15	1.16316	0.11258	0.0119	0.05892	4.70E-03	3.36E-03	7.59E-05	1.86E-04	8.32E-03	4.28E-03	3.63E-09	1.01E-06	5.07E-06	4.28E-03	5.44E-03	3.36E-03	7.59E-05	1.86E-04	9.06E-03
96	486783.18	3855743.15	1.15205	0.11321	0.0121	0.05792	4.66E-03	3.38E-03	7.70E-05	1.83E-04	8.29E-03	4.24E-03	3.65E-09	1.03E-06	4.99E-06	4.24E-03	5.39E-03	3.38E-03	7.70E-05	1.83E-04	9.02E-03
97	486533.18	3855793.15	1.48303	0.12638	0.0094	0.06502	5.99E-03	3.77E-03	6.01E-05	2.05E-04	1.00E-02	5.45E-03	4.07E-09	8.02E-07	5.60E-06	5.46E-03	6.94E-03	3.77E-03	6.01E-05	2.05E-04	1.10E-02
98	486583.18	3855793.15	1.36799	0.12148	0.01	0.06399	5.53E-03	3.62E-03	6.36E-05	2.02E-04	9.42E-03	5.03E-03	3.92E-09	8.48E-07	5.51E-06	5.04E-03	6.40E-03	3.62E-03	6.36E-05	2.02E-04	1.03E-02
99	486633.18	3855793.15	1.32949	0.12079	0.0105	0.0628	5.37E-03	3.60E-03	6.68E-05	1.98E-04	9.24E-03	4.89E-03	3.89E-09	8.90E-07	5.41E-06	4.89E-03	6.22E-03	3.60E-03	6.68E-05	1.98E-04	1.01E-02
100	486683.18	3855793.15	1.29572	0.12029	0.011	0.06164	5.24E-03	3.59E-03	7.03E-05	1.95E-04	9.09E-03	4.76E-03	3.88E-09	9.37E-07	5.31E-06	4.77E-03	6.06E-03	3.59E-03	7.03E-05	1.95E-04	9.91E-03
101	486733.18	3855793.15	1.25739	0.11939	0.0116	0.06052	5.08E-03	3.56E-03	7.39E-05	1.91E-04	8.91E-03	4.62E-03	3.85E-09	9.85E-07	5.21E-06	4.63E-03	5.88E-03	3.56E-03	7.39E-05	1.91E-04	9.71E-03
102	486783.18	3855793.15	1.22534	0.11879	0.012	0.05943	4.95E-03	3.54E-03	7.65E-05	1.88E-04	8.76E-03	4.50E-03	3.83E-09	1.02E-06	5.12E-06	4.51E-03	5.73E-03	3.54E-03	7.65E-05	1.88E-04	9.54E-03
103	486533.18	3855843.15	1.57136	0.13202	0.0095	0.06702	6.35E-03	3.94E-03	6.04E-05	2.12E-04	1.06E-02	5.78E-03	4.26E-09	8.05E-07	5.77E-06	5.78E-03	7.35E-03	3.94E-03	6.04E-05	2.12E-04	1.16E-02
104	486583.18	3855843.15	1.46789	0.128	0.0098	0.06578	5.93E-03	3.82E-03	6.28E-05	2.08E-04	1.00E-02	5.40E-03	4.13E-09	8.37E-07	5.66E-06	5.40E-03	6.86E-03	3.82E-03	6.28E-05	2.08E-04	1.10E-02
105	486633.18	3855843.15	1.42588	0.12731	0.0102	0.06444	5.76E-03	3.80E-03	6.53E-05	2.03E-04	9.83E-03	5.24E-03	4.10E-09	8.71E-07	5.55E-06	5.25E-03	6.67E-03	3.80E-03	6.53E-05	2.03E-04	1.07E-02
106	486683.18	3855843.15	1.38703	0.1267	0.0108	0.06314	5.61E-03	3.78E-03	6.86E-05	1.99E-04	9.65E-03	5.10E-03	4.08E-09	9.14E-07	5.44E-06	5.11E-03	6.49E-03	3.78E-03	6.86E-05	1.99E-04	1.05E-02
107	486733.18	3855843.15	1.34979	0.12611	0.0113	0.06187	5.46E-03	3.76E-03	7.20E-05	1.95E-04	9.49E-03	4.96E-03	4.06E-09	9.60E-07	5.33E-06	4.97E-03	6.31E-03	3.76E-03	7.20E-05	1.95E-04	1.03E-02
108	486783.18	3855843.15	1.31118	0.12527	0.0118	0.06067	5.30E-03	3.74E-03	7.53E-05	1.92E-04	9.30E-03	4.82E-03	4.04E-09	1.00E-06	5.22E-06	4.83E-03	6.13E-03	3.74E-03	7.53E-05	1.92E-04	1.01E-02
109	486533.18	3855893.15	1.63878	0.13635	0.0097	0.06874	6.62E-03	4.07E-03	6.16E-05	2.17E-04	1.10E-02	6.02E-03	4.39E-09	8.21E-07	5.92E-06	6.03E-03	7.66E-03	4.07E-03	6.16E-05	2.17E-04	1.20E-02
110	486583.18	3855893.15	1.58264	0.13529	0.0098	0.06722	6.40E-03	4.04E-03	6.24E-05	2.12E-04	1.07E-02	5.82E-03	4.36E-09	8.33E-07	5.79E-06	5.83E-03	7.40E-03	4.04E-03	6.24E-05	2.12E-04	1.17E-02
111	486633.18	3855893.15	1.52789	0.13411	0.0101	0.06575	6.18E-03	4.00E-03	6.44E-05	2.08E-04	1.04E-02	5.62E-03	4.32E-09	8.58E-07	5.66E-06	5.62E-03	7.15E-03	4.00E-03	6.44E-05	2.08E-04	1.14E-02
112	486683.18	3855893.15	1.48322	0.13336	0.0105	0.06432	6.00E-03	3.98E-03	6.71E-05	2.03E-04	1.02E-02	5.45E-03	4.30E-09	8.95E-07	5.54E-06	5.46E-03	6.94E-03	3.98E-03	6.71E-05	2.03E-04	1.12E-02
113	486733.18	3855893.15	1.44092	0.13263	0.0111	0.06294	5.82E-03	3.96E-03	7.05E-05	1.99E-04	1.01E-02	5.30E-03	4.27E-09	9.40E-07	5.42E-06	5.30E-03	6.74E-03	3.96E-03	7.05E-05	1.99E-04	1.10E-02
114	486783.18	3855893.15	1.40546	0.13226	0.0116	0.0616	5.68E-03	3.95E-03	7.37E-05	1.94E-04	9.90E-03	5.17E-03	4.26E-09	9.82E-07	5.30E-06	5.17E-03	6.57E-03	3.95E-03	7.37E-05	1.94E-04	1.08E-02
115	486533.18	3855943.15	1.74974	0.14295	0.0098	0.06999	7.07E-03	4.26E-03	6.26E-05	2.21E-04	1.16E-02	6.43E-03	4.61E-09	8.34E-07	6.03E-06	6.44E-03	8.18E-03	4.26E-03	6.26E-05	2.21E-04	1.27E-02
116	486583.18	3855943.15	1.70632	0.14287	0.0098	0.06828	6.90E-03	4.26E-03	6.26E-05	2.16E-04	1.14E-02	6.27E-03	4.60E-09	8.35E-07	5.88E-06	6.28E-03	7.98E-03	4.26E-03	6.26E-05	2.16E-04	1.25E-02
117	486633.18	3855943.15	1.63761	0.14118	0.01	0.06671	6.62E-03	4.21E-03	6.40E-05	2.11E-04	1.11E-02	6.02E-03	4.55E-09	8.53E-07	5.74E-06	6.03E-03	7.66E-03	4.21E-03	6.40E-05	2.11E-04	1.21E-02
118	486683.18	3855943.15	1.5929	0.14072	0.0103	0.06515	6.44E-03	4.20E-03	6.60E-05	2.06E-04	1.09E-02	5.86E-03	4.54E-09	8.79E-07	5.61E-06	5.86E-03	7.45E-03	4.20E-03	6.60E-05	2.06E-04	1.19E-02

119	486733.18	3855943.15	1.53842	0.13947	0.0108	0.06369	6.22E-03	4.16E-03	6.90E-05	2.01E-04	1.06E-02	5.66E-03	4.50E-09	9.20E-07	5.48E-06	5.66E-03	7.19E-03	4.16E-03	6.90E-05	2.01E-04	1.16E-02
120	486783.18	3855943.15	1.50041	0.13916	0.0113	0.06225	6.06E-03	4.15E-03	7.21E-05	1.97E-04	1.05E-02	5.52E-03	4.49E-09	9.62E-07	5.36E-06	5.52E-03	7.02E-03	4.15E-03	7.21E-05	1.97E-04	1.14E-02
121	486533.18	3855993.15	1.88964	0.15075	0.01	0.07082	7.64E-03	4.50E-03	6.36E-05	2.24E-04	1.24E-02	6.95E-03	4.86E-09	8.48E-07	6.10E-06	6.95E-03	8.84E-03	4.50E-03	6.36E-05	2.24E-04	1.36E-02
122	486583.18	3855993.15	1.82268	0.14974	0.01	0.06903	7.37E-03	4.47E-03	6.35E-05	2.18E-04	1.21E-02	6.70E-03	4.83E-09	8.47E-07	5.94E-06	6.71E-03	8.52E-03	4.47E-03	6.35E-05	2.18E-04	1.33E-02
123	486633.18	3855993.15	1.75649	0.14853	0.0101	0.06733	7.10E-03	4.43E-03	6.41E-05	2.13E-04	1.18E-02	6.46E-03	4.79E-09	8.55E-07	5.80E-06	6.46E-03	8.21E-03	4.43E-03	6.41E-05	2.13E-04	1.29E-02
124	486683.18	3855993.15	1.70391	0.1479	0.0103	0.06568	6.89E-03	4.41E-03	6.54E-05	2.07E-04	1.16E-02	6.26E-03	4.77E-09	8.73E-07	5.66E-06	6.27E-03	7.97E-03	4.41E-03	6.54E-05	2.07E-04	1.27E-02
125	486733.18	3855993.15	1.64556	0.14672	0.0107	0.06414	6.65E-03	4.38E-03	6.79E-05	2.03E-04	1.13E-02	6.05E-03	4.73E-09	9.06E-07	5.52E-06	6.06E-03	7.70E-03	4.38E-03	6.79E-05	2.03E-04	1.23E-02
126	486783.18	3855993.15	1.59608	0.14592	0.0111	0.06265	6.45E-03	4.35E-03	7.09E-05	1.98E-04	1.11E-02	5.87E-03	4.70E-09	9.46E-07	5.39E-06	5.87E-03	7.46E-03	4.35E-03	7.09E-05	1.98E-04	1.21E-02
127	486533.18	3856043.15	2.03527	0.15845	0.0101	0.07133	8.23E-03	4.73E-03	6.46E-05	2.25E-04	1.32E-02	7.48E-03	5.11E-09	8.62E-07	6.14E-06	7.49E-03	9.52E-03	4.73E-03	6.46E-05	2.25E-04	1.45E-02
128	486583.18	3856043.15	1.96555	0.15773	0.0101	0.06943	7.95E-03	4.71E-03	6.44E-05	2.19E-04	1.29E-02	7.23E-03	5.08E-09	8.59E-07	5.98E-06	7.23E-03	9.19E-03	4.71E-03	6.44E-05	2.19E-04	1.42E-02
129	486633.18	3856043.15	1.88392	0.15605	0.0102	0.06767	7.62E-03	4.66E-03	6.47E-05	2.14E-04	1.25E-02	6.93E-03	5.03E-09	8.63E-07	5.83E-06	6.93E-03	8.81E-03	4.66E-03	6.47E-05	2.14E-04	1.37E-02
130	486683.18	3856043.15	1.82644	0.15551	0.0103	0.06595	7.38E-03	4.64E-03	6.54E-05	2.08E-04	1.23E-02	6.71E-03	5.01E-09	8.73E-07	5.68E-06	6.72E-03	8.54E-03	4.64E-03	6.54E-05	2.08E-04	1.35E-02
131	486733.18	3856043.15	1.75665	0.15396	0.0106	0.06436	7.10E-03	4.59E-03	6.73E-05	2.03E-04	1.20E-02	6.46E-03	4.96E-09	8.97E-07	5.54E-06	6.46E-03	8.22E-03	4.59E-03	6.73E-05	2.03E-04	1.31E-02
132	486783.18	3856043.15	1.70844	0.15363	0.0109	0.0628	6.91E-03	4.58E-03	6.97E-05	1.98E-04	1.18E-02	6.28E-03	4.95E-09	9.30E-07	5.41E-06	6.29E-03	7.99E-03	4.58E-03	6.97E-05	1.98E-04	1.28E-02
133	486533.18	3856093.15	2.20956	0.16707	0.0102	0.07153	8.93E-03	4.98E-03	6.53E-05	2.26E-04	1.42E-02	8.12E-03	5.38E-09	8.71E-07	6.16E-06	8.13E-03	1.03E-02	4.98E-03	6.53E-05	2.26E-04	1.56E-02
134	486583.18	3856093.15	2.11525	0.1656	0.0103	0.06961	8.55E-03	4.94E-03	6.55E-05	2.20E-04	1.38E-02	7.78E-03	5.34E-09	8.73E-07	5.99E-06	7.78E-03	9.89E-03	4.94E-03	6.55E-05	2.20E-04	1.51E-02
135	486633.18	3856093.15	2.02686	0.16403	0.0103	0.06778	8.19E-03	4.89E-03	6.56E-05	2.14E-04	1.34E-02	7.45E-03	5.29E-09	8.75E-07	5.84E-06	7.46E-03	9.48E-03	4.89E-03	6.56E-05	2.14E-04	1.47E-02
136	486683.18	3856093.15	1.95547	0.16311	0.0104	0.06603	7.90E-03	4.87E-03	6.60E-05	2.08E-04	1.30E-02	7.19E-03	5.26E-09	8.80E-07	5.69E-06	7.20E-03	9.14E-03	4.87E-03	6.60E-05	2.08E-04	1.43E-02
137	486733.18	3856093.15	1.88106	0.16171	0.0105	0.06439	7.60E-03	4.82E-03	6.72E-05	2.03E-04	1.27E-02	6.92E-03	5.21E-09	8.96E-07	5.54E-06	6.92E-03	8.80E-03	4.82E-03	6.72E-05	2.03E-04	1.39E-02
138	486783.18	3856093.15	1.82027	0.16094	0.0108	0.06282	7.36E-03	4.80E-03	6.91E-05	1.98E-04	1.24E-02	6.69E-03	5.19E-09	9.22E-07	5.41E-06	6.70E-03	8.51E-03	4.80E-03	6.91E-05	1.98E-04	1.36E-02
139	486533.18	3856143.15	2.39063	0.17534	0.0103	0.07158	9.66E-03	5.23E-03	6.58E-05	2.26E-04	1.52E-02	8.79E-03	5.65E-09	8.78E-07	6.16E-06	8.80E-03	1.12E-02	5.23E-03	6.58E-05	2.26E-04	1.67E-02
140	486583.18	3856143.15	2.27144	0.17322	0.0104	0.06963	9.18E-03	5.17E-03	6.66E-05	2.20E-04	1.46E-02	8.35E-03	5.58E-09	8.88E-07	6.00E-06	8.36E-03	1.06E-02	5.17E-03	6.66E-05	2.20E-04	1.61E-02
141	486633.18	3856143.15	2.18154	0.17212	0.0105	0.06775	8.82E-03	5.13E-03	6.67E-05	2.14E-04	1.42E-02	8.02E-03	5.55E-09	8.90E-07	5.83E-06	8.03E-03	1.02E-02	5.13E-03	6.67E-05	2.14E-04	1.56E-02
142	486683.18	3856143.15	2.09393	0.17078	0.0105	0.06597	8.46E-03	5.09E-03	6.70E-05	2.08E-04	1.38E-02	7.70E-03	5.50E-09	8.93E-07	5.68E-06	7.70E-03	9.79E-03	5.09E-03	6.70E-05	2.08E-04	1.52E-02
143	486733.18	3856143.15	2.01324	0.16949	0.0106	0.0643	8.14E-03	5.06E-03	6.76E-05	2.03E-04	1.35E-02	7.40E-03	5.46E-09	9.01E-07	5.54E-06	7.41E-03	9.42E-03	5.06E-03	6.76E-05	2.03E-04	1.47E-02
144	486783.18	3856143.15	1.95295	0.16931	0.0108	0.06266	7.89E-03	5.05E-03	6.89E-05	1.98E-04	1.32E-02	7.18E-03	5.46E-09	9.19E-07	5.40E-06	7.19E-03	9.13E-03	5.05E-03	6.89E-05	1.98E-04	1.45E-02
145	486533.18	3856193.15	2.60616	0.18435	0.0103	0.07147	1.05E-02	5.50E-03	6.58E-05	2.26E-04	1.63E-02	9.58E-03	5.94E-09	8.78E-07	6.15E-06	9.59E-03	1.22E-02	5.50E-03	6.58E-05	2.26E-04	1.80E-02
146	486583.18	3856193.15	2.45675	0.18157	0.0105	0.06951	9.93E-03	5.42E-03	6.72E-05	2.19E-04	1.56E-02	9.03E-03	5.85E-09	8.96E-07	5.99E-06	9.04E-03	1.15E-02	5.42E-03	6.72E-05	2.19E-04	1.72E-02
147	486633.18	3856193.15	2.35012	0.18027	0.0106	0.06759	9.50E-03	5.38E-03	6.78E-05	2.13E-04	1.52E-02	8.64E-03	5.81E-09	9.04E-07	5.82E-06	8.65E-03	1.10E-02	5.38E-03	6.78E-05	2.13E-04	1.66E-02
148	486683.18	3856193.15	2.26322	0.17966	0.0106	0.06576	9.15E-03	5.36E-03	6.79E-05	2.08E-04	1.48E-02	8.32E-03	5.79E-09	9.05E-07	5.66E-06	8.33E-03	1.06E-02	5.36E-03	6.79E-05	2.08E-04	1.62E-02
149	486733.18	3856193.15	2.1634	0.17783	0.0107	0.06406	8.74E-03	5.31E-03	6.84E-05	2.02E-04	1.43E-02	7.95E-03	5.73E-09	9.12E-07	5.52E-06	7.96E-03	1.01E-02	5.31E-03	6.84E-05	2.02E-04	1.57E-02
150	486783.18	3856193.15	2.09192	0.17754	0.0108	0.0624	8.46E-03	5.30E-03	6.91E-05	1.97E-04	1.40E-02	7.69E-03	5.72E-09	9.22E-07	5.37E-06	7.70E-03	9.78E-03	5.30E-03	6.91E-05	1.97E-04	1.53E-02
151	486533.18	3856243.15	2.84083	0.19306	0.0103	0.07126	1.15E-02	5.76E-03	6.56E-05	2.25E-04	1.75E-02	1.04E-02	6.22E-09	8.75E-07	6.14E-06	1.05E-02	1.33E-02	5.76E-03	6.56E-05	2.25E-04	1.93E-02
152	486583.18	3856243.15	2.68338	0.19093	0.0106	0.06923	1.08E-02	5.70E-03	6.74E-05	2.19E-04	1.68E-02	9.87E-03	6.15E-09	8.98E-07	5.96E-06	9.87E-03	1.25E-02	5.70E-03	6.74E-05	2.19E-04	1.85E-02
153	486633.18	3856243.15	2.54709	0.18903	0.0107	0.06729	1.03E-02	5.64E-03	6.85E-05	2.12E-04	1.62E-02	9.36E-03	6.09E-09	9.13E-07	5.79E-06	9.37E-03	1.19E-02	5.64E-03	6.85E-05	2.12E-04	1.78E-02
154	486683.18	3856243.15	2.4334	0.1877	0.0108	0.06544	9.84E-03	5.60E-03	6.91E-05	2.07E-04	1.57E-02	8.95E-03	6.05E-09	9.21E-07	5.64E-06	8.95E-03	1.14E-02	5.60E-03	6.91E-05	2.07E-04	1.73E-02
155	486733.18	3856243.15	2.33556	0.18682	0.0109	0.06367	9.44E-03	5.57E-03	6.93E-05	2.01E-04	1.53E-02	8.59E-03	6.02E-09	9.24E-07	5.48E-06	8.59E-03	1.09E-02	5.57E-03	6.93E-05	2.01E-04	1.68E-02
156	486783.18	3856243.15	2.2368	0.1854	0.011	0.06201	9.04E-03	5.53E-03	7.00E-05	1.96E-04	1.48E-02	8.22E-03	5.98E-09	9.33E-07	5.34E-06	8.23E-03	1.05E-02	5.53E-03	7.00E-05	1.96E-04	1.63E-02
157	486533.18	3856293.15	3.12501	0.20239	0.0102	0.07086	1.26E-02	6.04E-03	6.51E-05	2.24E-04	1.90E-02	1.15E-02	6.52E-09	8.68E-07	6.10E-06	1.15E-02	1.46E-02	6.04E-03	6.51E-05	2.24E-04	2.09E-02
158	486583.18	3856293.15	2.93074	0.1999	0.0105	0.06879	1.18E-02	5.96E-03	6.72E-05	2.17E-04	1.81E-02	1.08E-02	6.44E-09	8.96E-07	5.92E-06	1.08E-02	1.37E-02	5.96E-03	6.72E-05	2.17E-04	2.00E-02
159	486633.18	3856293.15	2.77114	0.19799	0.0108	0.06681	1.12E-02	5.91E-03	6.89E-05	2.11E-04	1.74E-02	1.02E-02	6.38E-09	9.19E-07	5.75E-06	1.02E-02	1.30E-02	5.91E-03	6.89E-05	2.11E-04	1.91E-02
160	486683.18	3856293.15	2.63298	0.19635	0.011	0.06493	1.06E-02	5.86E-03	6.99E-05	2.05E-04	1.68E-02	9.68E-03	6.33E-09	9.32E-07	5.59E-06	9.69E-03	1.23E-02	5.86E-03	6.99E-05	2.05E-04	1.84E-02
161	486733.18	3856293.15	2.52186	0.19566	0.011	0.06311	1.02E-02	5.84E-03	7.04E-05	1.99E-04	1.63E-02	9.27E-03	6.31E-09	9.39E-07	5.43E-06	9.28E-03	1.18E-02	5.84E-03	7.04E-05	1.99E-04	1.79E-02
162	486783.18	3856293.15	2.40484	0.19398	0.0111	0.06142	9.72E-03	5.79E-03	7.10E-05	1.94E-04	1.58E-02	8.84E-03	6.25E-09	9.47E-07	5.29E-06	8.85E-03	1.12E-02	5.79E-03	7.10E-05	1.94E-04	1.73E-02
163	486783.18	3856343.15	2.60459	0.20359	0.0113	0.06058	1.05E-02	6.07E-03	7.20E-05	1.91E-04	1.69E-02	9.58E-03	6.56E-09	9.60E-07	5.22E-06	9.58E-03	1.22E-02	6.07E-03	7.20E-05	1.91E-04	1.85E-02
164	486833.18	3856343.15	2.48339	0.20219	0.0114	0.05895	1.00E-02	6.03E-03	7.28E-05	1.86E-04	1.63E-02	9.13E-03	6.52E-09	9.70E-07	5.08E-06	9.14E-03	1.16E-02	6.03E-03	7.28E-05	1.86E-04	1.79E-02
165	486883.18	3856343.15	2.37346	0.20093	0.0116	0.05741	9.59E-03	5.99E-03	7.39E-05	1.81E-04	1.58E-02	8.73E-03	6.48E-09	9.86E-07	4.94E-06	8.73E-03	1.11E-02	5.99E-03	7.39E-05	1.81E-04	1.73E-02
166	486783.18	3856393.15	2.80949	0.21183	0.0115	0.05953	1.14E-02	6.32E-03	7.32E-05	1.88E-04	1.79E-02	1.03E-02	6.83E-09	9.76E-07	5.13E-06	1.03E-02	1.31E-02	6.32E-03	7.32E-05	1.88E-04	1.97E-02
167	486833.18	3856393.15	2.67013	0.2105	0.0116	0.05789	1.08E-02	6.28E-03	7.41E-05	1.83E-04	1.73E-02	9.82E-03	6.78E-09	9.87E-07	4.98E-06	9.82E-03	1.25E-02	6.28E-03	7.41E-05	1.83E-04	1.90E-02
168	486883.18	3856393.15	2.53452	0.20836	0.0118	0.05637	1.02E-02	6.22E-03	7.51E-05	1.78E-04	1.67E-02	9.32E-03	6.72E-09	1.00E-06	4.85E-06	9.32E-03	1.19E-02	6.22E-03	7.51E-05	1.78E-04	1.83E-02
169	487208.74	3856886.11	3.55383	0.27209	0.0168	0.03453	1.44E-02	8.12E-03	1.07E-04	1.09E-04	2.27E-02	1.31E-02	8.77E-09	1.43E-06	2.97E-06	1.31E-02	1.66E-02	8.12E-03	1.07E-04	1.09E-04	2.50E-02
170	487258.74	3856886.11	3.25915	0.26834	0.0174	0.03409	1.32E-02	8.01E-03	1.11E-04	1.08E-04	2.14E-02	1.20E-02	8.65E-09	1.48E-06	2.94E-06	1.20E-02	1.52E-02	8.01E-03	1.11E-04	1.08E-04	2.35E-02
171	487308.74	3856886.11	3.00458	0.26498	0.0181	0.03367	1.21E-02	7.91E-03	1.16E-04	1.06E-04	2.03E-02	1.10E-02	8.54E-09	1.54E-06	2.90E-06	1.11E-02	1.41E-02	7.91E-03	1.16E-04	1.06E-04	2.22E-02
172	487358.74	3856886.11	2.78243	0.26116	0.019	0.0333	1.12E-02	7.79E-03	1.21E-04	1.05E-04	1.93E-02	1.02E-02	8.42E-09	1.61E-06	2.87E-06	1.02E-02	1.30E-02	7.79E-03	1.21E-04	1.05E-04	2.10E-02
173	487208.74	3856936.11	3.83207	0.2793	0.0174	0.0333	1.55E-02	8.33E-03	1.11E-04	1.05E-04	2.40E-02	1.41E-02	9.00E-09	1.48E-06	2.87E-06	1.41E-02	1.79E-02	8.33E-03	1.11E-04	1.05E-04	2.65E-02
174	487258.74	3856936.11	3.45643	0.27543	0.0179	0.0329	1.40E-02	8.22E-03	1.14E-04	1.04E-04	2.24E-02	1.27E-02	8.88E-09	1.52E-06	2.83E-06	1.27E-02	1.62E-02	8.22E-03	1.14E-04	1.04E-04	2.46E-02
175	487308.74	3856936.11	3.13802	0.27206	0.0186	0.03253	1.27E-02	8.12E-03	1.19E-04	1.03E-04	2.10E-02	1.15E-02	8.77E-09	1.58E-06	2.80E-06	1.15E-02	1.47E-02	8.12E-03	1.19E-04	1.03E-04	2.30E-02
176	487358.74	3856936.11	2.86819	0.2684	0.0194	0.0322	1.16E-02	8.01E-03	1.24E-04	1.02E-04	1.98E-02	1.05E-02	8.65E-09	1.65E-06	2.77E-06	1.05E-02	1.34E-02	8.01E-03	1.24E-04	1.02E-04	2.16E-02
177	487208.74	3856986.11	4.07306	0.28625	0.0179	0.03214	1.65E-02	8.54E-03	1.14E-04	1.01E-04	2.52E-02	1.50E-02	9.23E-09	1.52E-06	2.77E-06	1.50E-02	1.90E-02	8.54E-03	1.14E-04	1.01E-04	2.78E-02
178	487258.74	3856986.11	3.57751	0.2831	0.0185	0.03178	1.45E-02	8.45E-03	1.18E-04	1.00E-04	2.31E-02	1.32E-02	9.12E-09	1.57E-06	2.74E-06	1.32E-02	1.67E-02	8.45E-03	1.18E-04	1.00E-04	2.54E-02
179	487308.74	3856986.11	3.19361	0.27864	0.0192	0.03147	1.29E-02	8.31E-03	1.22E-04	9.94E-05	2.14E-02	1.17E-02	8.98E-09	1.63E-06	2.71E-06	1.17E-02	1.49E-02	8.31E-03	1.22E-04	9.94E-05	2.35E-02

180	487358.74	3856986.11	2.87645	0.27556	0.02	0.03118	1.16E-02	8.22E-03	1.28E-04	9.84E-05	2.01E-02	1.06E-02	8.88E-09	1.70E-06	2.68E-06	1.06E-02	1.35E-02	8.22E-03	1.28E-04	9.84E-05	2.19E-02
181	487208.74	3857036.11	4.06288	0.29274	0.0185	0.03105	1.64E-02	8.73E-03	1.18E-04	9.80E-05	2.54E-02	1.49E-02	9.44E-09	1.58E-06	2.67E-06	1.49E-02	1.90E-02	8.73E-03	1.18E-04	9.80E-05	2.80E-02
182	487258.74	3857036.11	3.5029	0.289	0.0192	0.03074	1.42E-02	8.62E-03	1.22E-04	9.71E-05	2.30E-02	1.29E-02	9.31E-09	1.63E-06	2.65E-06	1.29E-02	1.64E-02	8.62E-03	1.22E-04	9.71E-05	2.52E-02
183	487308.74	3857036.11	3.08211	0.28589	0.0199	0.03047	1.25E-02	8.53E-03	1.27E-04	9.62E-05	2.12E-02	1.13E-02	9.21E-09	1.69E-06	2.62E-06	1.13E-02	1.44E-02	8.53E-03	1.27E-04	9.62E-05	2.32E-02
184	487358.74	3857036.11	2.75835	0.28228	0.0207	0.03023	1.11E-02	8.42E-03	1.32E-04	9.54E-05	1.98E-02	1.01E-02	9.10E-09	1.76E-06	2.60E-06	1.01E-02	1.29E-02	8.42E-03	1.32E-04	9.54E-05	2.15E-02
185	487427.14	3856878.23	2.50533	0.25669	0.0202	0.03296	1.01E-02	7.66E-03	1.29E-04	1.04E-04	1.80E-02	9.21E-03	8.27E-09	1.72E-06	2.84E-06	9.22E-03	1.17E-02	7.66E-03	1.29E-04	1.04E-04	1.96E-02
186	487477.14	3856878.23	2.34021	0.25385	0.0212	0.03261	9.46E-03	7.57E-03	1.35E-04	1.03E-04	1.73E-02	8.60E-03	8.18E-09	1.80E-06	2.81E-06	8.61E-03	1.09E-02	7.57E-03	1.35E-04	1.03E-04	1.88E-02
187	487527.14	3856878.23	2.19286	0.25075	0.0222	0.03226	8.86E-03	7.48E-03	1.42E-04	1.02E-04	1.66E-02	8.06E-03	8.08E-09	1.89E-06	2.78E-06	8.07E-03	1.03E-02	7.48E-03	1.42E-04	1.02E-04	1.80E-02
188	487427.14	3856928.23	2.55406	0.2634	0.0207	0.03192	1.03E-02	7.86E-03	1.32E-04	1.01E-04	1.84E-02	9.39E-03	8.49E-09	1.76E-06	2.75E-06	9.39E-03	1.19E-02	7.86E-03	1.32E-04	1.01E-04	2.00E-02
189	487477.14	3856928.23	2.36815	0.25967	0.0218	0.03162	9.57E-03	7.75E-03	1.39E-04	9.98E-05	1.76E-02	8.71E-03	8.37E-09	1.85E-06	2.72E-06	8.71E-03	1.11E-02	7.75E-03	1.39E-04	9.98E-05	1.91E-02
190	487527.14	3856928.23	2.20351	0.25677	0.0229	0.03131	8.91E-03	7.66E-03	1.46E-04	9.89E-05	1.68E-02	8.10E-03	8.28E-09	1.95E-06	2.70E-06	8.11E-03	1.03E-02	7.66E-03	1.46E-04	9.89E-05	1.82E-02
191	487577.14	3856928.23	2.05858	0.25388	0.0241	0.03101	8.32E-03	7.57E-03	1.54E-04	9.79E-05	1.61E-02	7.57E-03	8.18E-09	2.05E-06	2.67E-06	7.57E-03	9.63E-03	7.57E-03	1.54E-04	9.79E-05	1.75E-02
192	487627.14	3856928.23	1.93156	0.25032	0.0254	0.03075	7.81E-03	7.47E-03	1.62E-04	9.71E-05	1.55E-02	7.10E-03	8.07E-09	2.16E-06	2.65E-06	7.11E-03	9.03E-03	7.47E-03	1.62E-04	9.71E-05	1.68E-02
193	487677.14	3856928.23	1.81596	0.24812	0.0269	0.03049	7.34E-03	7.40E-03	1.71E-04	9.63E-05	1.50E-02	6.68E-03	8.00E-09	2.29E-06	2.63E-06	6.68E-03	8.49E-03	7.40E-03	1.71E-04	9.63E-05	1.62E-02
194	487727.14	3856928.23	1.71198	0.24619	0.0283	0.03026	6.92E-03	7.34E-03	1.81E-04	9.55E-05	1.45E-02	6.29E-03	7.93E-09	2.41E-06	2.61E-06	6.30E-03	8.01E-03	7.34E-03	1.81E-04	9.55E-05	1.56E-02
195	487777.14	3856928.23	1.61966	0.24353	0.0294	0.03005	6.55E-03	7.27E-03	1.88E-04	9.49E-05	1.41E-02	5.95E-03	7.85E-09	2.50E-06	2.59E-06	5.96E-03	7.57E-03	7.27E-03	1.88E-04	9.49E-05	1.51E-02
196	487427.14	3856978.23	2.54395	0.26934	0.0213	0.03096	1.03E-02	8.04E-03	1.36E-04	9.78E-05	1.86E-02	9.35E-03	8.68E-09	1.81E-06	2.67E-06	9.36E-03	1.19E-02	8.04E-03	1.36E-04	9.78E-05	2.02E-02
197	487477.14	3856978.23	2.33993	0.26621	0.0224	0.03069	9.46E-03	7.94E-03	1.43E-04	9.69E-05	1.76E-02	8.60E-03	8.58E-09	1.91E-06	2.64E-06	8.61E-03	1.09E-02	7.94E-03	1.43E-04	9.69E-05	1.91E-02
198	487527.14	3856978.23	2.16542	0.26311	0.0237	0.03043	8.75E-03	7.85E-03	1.51E-04	9.61E-05	1.68E-02	7.96E-03	8.48E-09	2.01E-06	2.62E-06	7.97E-03	1.01E-02	7.85E-03	1.51E-04	9.61E-05	1.82E-02
199	487577.14	3856978.23	2.01505	0.25987	0.0249	0.03019	8.15E-03	7.75E-03	1.59E-04	9.53E-05	1.62E-02	7.41E-03	8.38E-09	2.12E-06	2.60E-06	7.41E-03	9.42E-03	7.75E-03	1.59E-04	9.53E-05	1.74E-02
200	487627.14	3856978.23	1.88514	0.2561	0.0263	0.02999	7.62E-03	7.64E-03	1.68E-04	9.47E-05	1.55E-02	6.93E-03	8.25E-09	2.24E-06	2.58E-06	6.94E-03	8.82E-03	7.64E-03	1.68E-04	9.47E-05	1.67E-02
201	487677.14	3856978.23	1.76789	0.25371	0.0278	0.02979	7.15E-03	7.57E-03	1.77E-04	9.41E-05	1.50E-02	6.50E-03	8.18E-09	2.36E-06	2.57E-06	6.50E-03	8.27E-03	7.57E-03	1.77E-04	9.41E-05	1.61E-02
202	487727.14	3856978.23	1.66823	0.24915	0.0294	0.02964	6.74E-03	7.43E-03	1.87E-04	9.36E-05	1.45E-02	6.13E-03	8.03E-09	2.50E-06	2.55E-06	6.14E-03	7.80E-03	7.43E-03	1.87E-04	9.36E-05	1.55E-02
203	487777.14	3856978.23	1.57042	0.24944	0.0307	0.02945	6.35E-03	7.44E-03	1.96E-04	9.30E-05	1.41E-02	5.77E-03	8.04E-09	2.61E-06	2.54E-06	5.78E-03	7.34E-03	7.44E-03	1.96E-04	9.30E-05	1.51E-02
204	487427.14	3857028.23	2.44085	0.27622	0.0219	0.03006	9.87E-03	8.24E-03	1.40E-04	9.49E-05	1.83E-02	8.97E-03	8.90E-09	1.86E-06	2.59E-06	8.98E-03	1.14E-02	8.24E-03	1.40E-04	9.49E-05	1.99E-02
205	487477.14	3857028.23	2.23892	0.27266	0.0231	0.02984	9.05E-03	8.13E-03	1.48E-04	9.42E-05	1.74E-02	8.23E-03	8.79E-09	1.97E-06	2.57E-06	8.24E-03	1.05E-02	8.13E-03	1.48E-04	9.42E-05	1.88E-02
206	487527.14	3857028.23	2.06926	0.26894	0.0244	0.02964	8.36E-03	8.02E-03	1.56E-04	9.36E-05	1.66E-02	7.61E-03	8.67E-09	2.08E-06	2.55E-06	7.61E-03	9.68E-03	8.02E-03	1.56E-04	9.36E-05	1.79E-02
207	487577.14	3857028.23	1.92275	0.26575	0.0258	0.02946	7.77E-03	7.93E-03	1.65E-04	9.30E-05	1.60E-02	7.07E-03	8.57E-09	2.20E-06	2.54E-06	7.07E-03	8.99E-03	7.93E-03	1.65E-04	9.30E-05	1.72E-02
208	487627.14	3857028.23	1.79856	0.2616	0.0273	0.02932	7.27E-03	7.80E-03	1.74E-04	9.26E-05	1.53E-02	6.61E-03	8.43E-09	2.32E-06	2.52E-06	6.62E-03	8.41E-03	7.80E-03	1.74E-04	9.26E-05	1.65E-02
209	487677.14	3857028.23	1.68678	0.25882	0.0289	0.02919	6.82E-03	7.72E-03	1.84E-04	9.22E-05	1.48E-02	6.20E-03	8.34E-09	2.45E-06	2.51E-06	6.21E-03	7.89E-03	7.72E-03	1.84E-04	9.22E-05	1.59E-02
210	487727.14	3857028.23	1.58635	0.25695	0.0305	0.02906	6.41E-03	7.67E-03	1.95E-04	9.18E-05	1.44E-02	5.83E-03	8.28E-09	2.59E-06	2.50E-06	5.84E-03	7.42E-03	7.67E-03	1.95E-04	9.18E-05	1.54E-02
211	487777.14	3857028.23	1.49835	0.25451	0.032	0.02895	6.06E-03	7.59E-03	2.04E-04	9.14E-05	1.39E-02	5.51E-03	8.20E-09	2.72E-06	2.49E-06	5.51E-03	7.01E-03	7.59E-03	2.04E-04	9.14E-05	1.49E-02
212	487427.14	3857078.23	2.2458	0.28245	0.0227	0.02923	9.08E-03	8.43E-03	1.45E-04	9.23E-05	1.77E-02	8.26E-03	9.10E-09	1.93E-06	2.52E-06	8.26E-03	1.05E-02	8.43E-03	1.45E-04	9.23E-05	1.92E-02
213	487477.14	3857078.23	2.06781	0.27839	0.0239	0.02907	8.36E-03	8.31E-03	1.52E-04	9.18E-05	1.69E-02	7.60E-03	8.97E-09	2.03E-06	2.50E-06	7.61E-03	9.67E-03	8.31E-03	1.52E-04	9.18E-05	1.82E-02
214	487527.14	3857078.23	1.91552	0.27492	0.0253	0.02893	7.74E-03	8.20E-03	1.61E-04	9.13E-05	1.62E-02	7.04E-03	8.86E-09	2.15E-06	2.49E-06	7.05E-03	8.96E-03	8.20E-03	1.61E-04	9.13E-05	1.74E-02
215	487577.14	3857078.23	1.78556	0.27135	0.0268	0.02882	7.22E-03	8.10E-03	1.71E-04	9.10E-05	1.56E-02	6.56E-03	8.75E-09	2.28E-06	2.48E-06	6.57E-03	8.35E-03	8.10E-03	1.71E-04	9.10E-05	1.67E-02
216	487627.14	3857078.23	1.67371	0.26754	0.0284	0.02874	6.77E-03	7.98E-03	1.81E-04	9.07E-05	1.50E-02	6.15E-03	8.62E-09	2.41E-06	2.47E-06	6.16E-03	7.83E-03	7.98E-03	1.81E-04	9.07E-05	1.61E-02
217	487677.14	3857078.23	1.57386	0.26455	0.0301	0.02868	6.36E-03	7.89E-03	1.92E-04	9.06E-05	1.45E-02	5.79E-03	8.53E-09	2.56E-06	2.47E-06	5.79E-03	7.36E-03	7.89E-03	1.92E-04	9.06E-05	1.55E-02
218	487727.14	3857078.23	1.48461	0.26207	0.0318	0.02861	6.00E-03	7.82E-03	2.03E-04	9.03E-05	1.41E-02	5.46E-03	8.45E-09	2.71E-06	2.46E-06	5.46E-03	6.94E-03	7.82E-03	2.03E-04	9.03E-05	1.51E-02
219	487777.14	3857078.23	1.40663	0.25894	0.0336	0.02855	5.69E-03	7.73E-03	2.14E-04	9.01E-05	1.37E-02	5.17E-03	8.35E-09	2.86E-06	2.46E-06	5.18E-03	6.58E-03	7.73E-03	2.14E-04	9.01E-05	1.46E-02
220	487427.14	3857128.23	1.98386	0.28857	0.0236	0.0285	8.02E-03	8.61E-03	1.50E-04	9.00E-05	1.69E-02	7.29E-03	9.30E-09	2.00E-06	2.45E-06	7.30E-03	9.28E-03	8.61E-03	1.50E-04	9.00E-05	1.81E-02
221	487477.14	3857128.23	1.84456	0.28411	0.0248	0.0284	7.46E-03	8.48E-03	1.58E-04	8.97E-05	1.62E-02	6.78E-03	9.16E-09	2.11E-06	2.45E-06	6.79E-03	8.63E-03	8.48E-03	1.58E-04	8.97E-05	1.74E-02
222	487527.14	3857128.23	1.724	0.2799	0.0262	0.02834	6.97E-03	8.35E-03	1.67E-04	8.95E-05	1.56E-02	6.34E-03	9.02E-09	2.23E-06	2.44E-06	6.34E-03	8.06E-03	8.35E-03	1.67E-04	8.95E-05	1.67E-02
223	487577.14	3857128.23	1.61708	0.27648	0.0279	0.0283	6.54E-03	8.25E-03	1.78E-04	8.94E-05	1.51E-02	5.95E-03	8.91E-09	2.37E-06	2.44E-06	5.95E-03	7.56E-03	8.25E-03	1.78E-04	8.94E-05	1.61E-02
224	487627.14	3857128.23	1.52287	0.27327	0.0296	0.02828	6.16E-03	8.15E-03	1.89E-04	8.93E-05	1.46E-02	5.60E-03	8.81E-09	2.52E-06	2.44E-06	5.60E-03	7.12E-03	8.15E-03	1.89E-04	8.93E-05	1.56E-02
225	487677.14	3857128.23	1.44106	0.26948	0.0314	0.02828	5.83E-03	8.04E-03	2.00E-04	8.93E-05	1.42E-02	5.30E-03	8.69E-09	2.67E-06	2.44E-06	5.30E-03	6.74E-03	8.04E-03	2.00E-04	8.93E-05	1.51E-02
226	487727.14	3857128.23	1.36427	0.26747	0.0333	0.02827	5.51E-03	7.98E-03	2.13E-04	8.93E-05	1.38E-02	5.02E-03	8.62E-09	2.83E-06	2.43E-06	5.02E-03	6.38E-03	7.98E-03	2.13E-04	8.93E-05	1.47E-02
227	487777.14	3857128.23	1.29816	0.26418	0.0353	0.02825	5.25E-03	7.88E-03	2.25E-04	8.92E-05	1.34E-02	4.77E-03	8.51E-09	3.00E-06	2.43E-06	4.78E-03	6.07E-03	7.88E-03	2.25E-04	8.92E-05	1.43E-02
228	488049.44	3856539.39	1.22631	0.19205	0.0175	0.03354	4.96E-03	5.73E-03	1.11E-04	1.06E-04	1.09E-02	4.51E-03	6.19E-09	1.49E-06	2.89E-06	4.51E-03	5.73E-03	5.73E-03	1.11E-04	1.06E-04	1.17E-02
229	488099.44	3856539.39	1.18886	0.18954	0.017	0.03312	4.81E-03	5.65E-03	1.09E-04	1.05E-04	1.07E-02	4.37E-03	6.11E-09	1.45E-06	2.85E-06	4.38E-03	5.56E-03	5.65E-03	1.09E-04	1.05E-04	1.14E-02
230	488149.44	3856539.39	1.15321	0.18773	0.0169	0.03272	4.66E-03	5.60E-03	1.08E-04	1.03E-04	1.05E-02	4.24E-03	6.05E-09	1.44E-06	2.82E-06	4.24E-03	5.39E-03	5.60E-03	1.08E-04	1.03E-04	1.12E-02
231	488049.44	3856589.39	1.24989	0.19766	0.0183	0.03284	5.05E-03	5.90E-03	1.17E-04	1.04E-04	1.12E-02	4.60E-03	6.37E-09	1.55E-06	2.83E-06	4.60E-03	5.85E-03	5.90E-03	1.17E-04	1.04E-04	1.20E-02
232	488099.44	3856589.39	1.2099	0.19522	0.0178	0.03245	4.89E-03	5.82E-03	1.14E-04	1.02E-04	1.09E-02	4.45E-03	6.29E-09	1.51E-06	2.79E-06	4.45E-03	5.66E-03	5.82E-03	1.14E-04	1.02E-04	1.17E-02
233	488149.44	3856589.39	1.1718	0.19301	0.0177	0.03209	4.74E-03	5.76E-03	1.13E-04	1.01E-04	1.07E-02	4.31E-03	6.22E-09	1.50E-06	2.76E-06	4.31E-03	5.48E-03	5.76E-03	1.13E-04	1.01E-04	1.15E-02
234	488199.44	3856589.39	1.13542	0.19041	0.0178	0.03176	4.59E-03	5.68E-03	1.14E-04	1.00E-04	1.05E-02	4.17E-03	6.14E-09	1.52E-06	2.73E-06	4.18E-03	5.31E-03	5.68E-03	1.14E-04	1.00E-04	1.12E-02
235	488249.44	3856589.39	1.10082	0.18981	0.0182	0.03143	4.45E-03	5.66E-03	1.16E-04	9.92E-05	1.03E-02	4.05E-03	6.12E-09	1.55E-06	2.71E-06	4.05E-03	5.15E-03	5.66E-03	1.16E-04	9.92E-05	1.10E-02
236	488049.44	3856639.39	1.26949	0.20293	0.0192	0.03217	5.13E-03	6.05E-03	1.22E-04	1.02E-04	1.14E-02	4.67E-03	6.54E-09	1.63E-06	2.77E-06	4.67E-03	5.94E-03	6.05E-03	1.22E-04	1.02E-04	1.22E-02
237	488099.44	3856639.39	1.2269	0.20042	0.0187	0.03182	4.96E-03	5.98E-03	1.19E-04	1.00E-04	1.12E-02	4.51E-03	6.46E-09	1.59E-06	2.74E-06	4.52E-03	5.74E-03	5.98E-03	1.19E-04	1.00E-04	1.19E-02
238	488149.44	3856639.39	1.18644	0.19802	0.0185	0.03149	4.80E-03	5.91E-03	1.18E-04	9.94E-05	1.09E-02	4.36E-03	6.38E-09	1.57E-06	2.71E-06	4.37E-03	5.55E-03	5.91E-03	1.18E-04	9.94E-05	1.17E-02
239	488199.44	3856639.39	1.14774	0.19633	0.0187	0.03117	4.64E-03	5.86E-03	1.19E-04	9.84E-05	1.07E-02	4.22E-03	6.33E-09	1.59E-06	2.68E-06	4.22E-03	5.37E-03	5.86E-03	1.19E-04	9.84E-05	1.14E-02
240	488249.44	3856639.39	1.11105	0.19439	0.0191	0.03087	4.49E-03	5.80E-03	1.22E-04	9.75E-05	1.05E-02	4.08E-03	6.27E-09	1.62E-06	2.66E-06	4.09E-03	5.20E-03	5.80E-03	1.22E-04	9.75E-05	1.12E-02

241	488299.44	3856639.39	1.07612	0.19256	0.0195	0.03059	4.35E-03	5.74E-03	1.25E-04	9.66E-05	1.03E-02	3.96E-03	6.21E-09	1.66E-06	2.63E-06	3.96E-03	5.03E-03	5.74E-03	1.25E-04	9.66E-05	1.10E-02
242	488349.44	3856639.39	1.04308	0.1903	0.02	0.03032	4.22E-03	5.68E-03	1.27E-04	9.57E-05	1.01E-02	3.83E-03	6.13E-09	1.70E-06	2.61E-06	3.84E-03	4.88E-03	5.68E-03	1.27E-04	9.57E-05	1.08E-02
243	488399.44	3856639.39	1.01105	0.18929	0.0205	0.03004	4.09E-03	5.65E-03	1.30E-04	9.48E-05	9.96E-03	3.72E-03	6.10E-09	1.74E-06	2.59E-06	3.72E-03	4.73E-03	5.65E-03	1.30E-04	9.48E-05	1.06E-02
244	488099.44	3856689.39	1.23848	0.20595	0.0196	0.0312	5.01E-03	6.14E-03	1.25E-04	9.85E-05	1.14E-02	4.55E-03	6.64E-09	1.67E-06	2.69E-06	4.56E-03	5.79E-03	6.14E-03	1.25E-04	9.85E-05	1.22E-02
245	488149.44	3856689.39	1.19585	0.20332	0.0194	0.0309	4.83E-03	6.07E-03	1.24E-04	9.76E-05	1.11E-02	4.40E-03	6.55E-09	1.65E-06	2.66E-06	4.40E-03	5.59E-03	6.07E-03	1.24E-04	9.76E-05	1.19E-02
246	488199.44	3856689.39	1.15507	0.20144	0.0196	0.03061	4.67E-03	6.01E-03	1.25E-04	9.66E-05	1.09E-02	4.25E-03	6.49E-09	1.67E-06	2.64E-06	4.25E-03	5.40E-03	6.01E-03	1.25E-04	9.66E-05	1.16E-02
247	488249.44	3856689.39	1.11691	0.19886	0.02	0.03034	4.51E-03	5.93E-03	1.28E-04	9.58E-05	1.07E-02	4.11E-03	6.41E-09	1.70E-06	2.61E-06	4.11E-03	5.22E-03	5.93E-03	1.28E-04	9.58E-05	1.14E-02
248	488299.44	3856689.39	1.07996	0.19759	0.0205	0.03007	4.37E-03	5.89E-03	1.31E-04	9.49E-05	1.05E-02	3.97E-03	6.37E-09	1.74E-06	2.59E-06	3.97E-03	5.05E-03	5.89E-03	1.31E-04	9.49E-05	1.12E-02
249	488349.44	3856689.39	1.04556	0.19529	0.021	0.02982	4.23E-03	5.83E-03	1.34E-04	9.42E-05	1.03E-02	3.84E-03	6.29E-09	1.78E-06	2.57E-06	3.85E-03	4.89E-03	5.83E-03	1.34E-04	9.42E-05	1.09E-02
250	488399.44	3856689.39	1.01336	0.19223	0.0214	0.02958	4.10E-03	5.73E-03	1.37E-04	9.34E-05	1.01E-02	3.73E-03	6.20E-09	1.82E-06	2.55E-06	3.73E-03	4.74E-03	5.73E-03	1.37E-04	9.34E-05	1.07E-02
251	488099.44	3856739.39	1.24366	0.21164	0.0206	0.0306	5.03E-03	6.31E-03	1.32E-04	9.66E-05	1.16E-02	4.57E-03	6.82E-09	1.75E-06	2.63E-06	4.58E-03	5.82E-03	6.31E-03	1.32E-04	9.66E-05	1.24E-02
252	488149.44	3856739.39	1.19943	0.20842	0.0205	0.03034	4.85E-03	6.22E-03	1.31E-04	9.58E-05	1.13E-02	4.41E-03	6.72E-09	1.74E-06	2.61E-06	4.41E-03	5.61E-03	6.22E-03	1.31E-04	9.58E-05	1.21E-02
253	488199.44	3856739.39	1.15634	0.20692	0.0207	0.03007	4.67E-03	6.17E-03	1.32E-04	9.49E-05	1.11E-02	4.25E-03	6.67E-09	1.76E-06	2.59E-06	4.26E-03	5.41E-03	6.17E-03	1.32E-04	9.49E-05	1.18E-02
254	488249.44	3856739.39	1.11674	0.2042	0.0211	0.02982	4.51E-03	6.09E-03	1.35E-04	9.42E-05	1.08E-02	4.11E-03	6.58E-09	1.79E-06	2.57E-06	4.11E-03	5.22E-03	6.09E-03	1.35E-04	9.42E-05	1.15E-02
255	488299.44	3856739.39	1.07992	0.20072	0.0216	0.0296	4.37E-03	5.99E-03	1.37E-04	9.35E-05	1.06E-02	3.97E-03	6.47E-09	1.83E-06	2.55E-06	3.97E-03	5.05E-03	5.99E-03	1.37E-04	9.35E-05	1.13E-02
256	488349.44	3856739.39	1.04314	0.20004	0.0221	0.02934	4.22E-03	5.97E-03	1.41E-04	9.26E-05	1.04E-02	3.84E-03	6.45E-09	1.88E-06	2.53E-06	3.84E-03	4.88E-03	5.97E-03	1.41E-04	9.26E-05	1.11E-02
257	488399.44	3856739.39	1.00835	0.19918	0.0226	0.02909	4.08E-03	5.94E-03	1.44E-04	9.18E-05	1.03E-02	3.71E-03	6.42E-09	1.92E-06	2.50E-06	3.71E-03	4.72E-03	5.94E-03	1.44E-04	9.18E-05	1.09E-02
258	487999.44	3856789.39	1.34696	0.22001	0.0234	0.03061	5.44E-03	6.56E-03	1.49E-04	9.66E-05	1.23E-02	4.95E-03	7.09E-09	1.99E-06	2.64E-06	4.96E-03	6.30E-03	6.56E-03	1.49E-04	9.66E-05	1.31E-02
259	488049.44	3856789.39	1.29331	0.21772	0.0224	0.03033	5.23E-03	6.50E-03	1.43E-04	9.58E-05	1.20E-02	4.75E-03	7.02E-09	1.90E-06	2.61E-06	4.76E-03	6.05E-03	6.50E-03	1.43E-04	9.58E-05	1.28E-02
260	488099.44	3856789.39	1.24225	0.2163	0.0218	0.03005	5.02E-03	6.45E-03	1.39E-04	9.49E-05	1.17E-02	4.57E-03	6.97E-09	1.85E-06	2.59E-06	4.57E-03	5.81E-03	6.45E-03	1.39E-04	9.49E-05	1.25E-02
261	488149.44	3856789.39	1.19584	0.21353	0.0216	0.02981	4.83E-03	6.37E-03	1.38E-04	9.41E-05	1.14E-02	4.40E-03	6.88E-09	1.84E-06	2.57E-06	4.40E-03	5.59E-03	6.37E-03	1.38E-04	9.41E-05	1.22E-02
262	488199.44	3856789.39	1.15159	0.21151	0.0218	0.02957	4.65E-03	6.31E-03	1.39E-04	9.34E-05	1.12E-02	4.23E-03	6.82E-09	1.86E-06	2.55E-06	4.24E-03	5.39E-03	6.31E-03	1.39E-04	9.34E-05	1.19E-02
263	488249.44	3856789.39	1.11062	0.20895	0.0223	0.02934	4.49E-03	6.23E-03	1.42E-04	9.26E-05	1.10E-02	4.08E-03	6.73E-09	1.89E-06	2.53E-06	4.09E-03	5.19E-03	6.23E-03	1.42E-04	9.26E-05	1.17E-02
264	488299.44	3856789.39	1.07266	0.20582	0.0227	0.02912	4.34E-03	6.14E-03	1.45E-04	9.19E-05	1.07E-02	3.94E-03	6.63E-09	1.93E-06	2.51E-06	3.95E-03	5.02E-03	6.14E-03	1.45E-04	9.19E-05	1.14E-02
265	488349.44	3856789.39	1.03477	0.20511	0.0233	0.02888	4.18E-03	6.12E-03	1.48E-04	9.12E-05	1.05E-02	3.80E-03	6.61E-09	1.98E-06	2.49E-06	3.81E-03	4.84E-03	6.12E-03	1.48E-04	9.12E-05	1.12E-02
266	488399.44	3856789.39	0.99966	0.20368	0.0238	0.02864	4.04E-03	6.08E-03	1.52E-04	9.04E-05	1.04E-02	3.68E-03	6.56E-09	2.02E-06	2.47E-06	3.68E-03	4.68E-03	6.08E-03	1.52E-04	9.04E-05	1.10E-02
267	487949.44	3856839.39	1.4005	0.22702	0.0259	0.0303	5.66E-03	6.77E-03	1.65E-04	9.57E-05	1.27E-02	5.15E-03	7.32E-09	2.21E-06	2.61E-06	5.15E-03	6.55E-03	6.77E-03	1.65E-04	9.57E-05	1.36E-02
268	487999.44	3856839.39	1.34047	0.22479	0.0248	0.03003	5.42E-03	6.71E-03	1.58E-04	9.48E-05	1.24E-02	4.93E-03	7.25E-09	2.10E-06	2.59E-06	4.93E-03	6.27E-03	6.71E-03	1.58E-04	9.48E-05	1.32E-02
269	488049.44	3856839.39	1.2849	0.22241	0.0237	0.02978	5.19E-03	6.64E-03	1.51E-04	9.40E-05	1.21E-02	4.72E-03	7.17E-09	2.01E-06	2.56E-06	4.73E-03	6.01E-03	6.64E-03	1.51E-04	9.40E-05	1.29E-02
270	488099.44	3856839.39	1.23269	0.22048	0.023	0.02954	4.98E-03	6.58E-03	1.47E-04	9.33E-05	1.18E-02	4.53E-03	7.11E-09	1.96E-06	2.54E-06	4.54E-03	5.76E-03	6.58E-03	1.47E-04	9.33E-05	1.26E-02
271	488149.44	3856839.39	1.1841	0.21851	0.0229	0.02931	4.79E-03	6.52E-03	1.46E-04	9.25E-05	1.15E-02	4.35E-03	7.04E-09	1.95E-06	2.52E-06	4.36E-03	5.54E-03	6.52E-03	1.46E-04	9.25E-05	1.23E-02
272	488199.44	3856839.39	1.1389	0.21643	0.0231	0.02909	4.60E-03	6.46E-03	1.47E-04	9.18E-05	1.13E-02	4.19E-03	6.98E-09	1.97E-06	2.50E-06	4.19E-03	5.33E-03	6.46E-03	1.47E-04	9.18E-05	1.20E-02
273	487949.44	3856889.39	1.38438	0.23127	0.0275	0.02974	5.60E-03	6.90E-03	1.75E-04	9.39E-05	1.28E-02	5.09E-03	7.45E-09	2.34E-06	2.56E-06	5.09E-03	6.47E-03	6.90E-03	1.75E-04	9.39E-05	1.36E-02
274	487999.44	3856889.39	1.32158	0.22997	0.0263	0.02949	5.34E-03	6.86E-03	1.68E-04	9.31E-05	1.25E-02	4.86E-03	7.41E-09	2.23E-06	2.54E-06	4.86E-03	6.18E-03	6.86E-03	1.68E-04	9.31E-05	1.33E-02
275	488049.44	3856889.39	1.26618	0.22673	0.0251	0.02928	5.12E-03	6.76E-03	1.60E-04	9.24E-05	1.21E-02	4.66E-03	7.31E-09	2.14E-06	2.52E-06	4.66E-03	5.92E-03	6.76E-03	1.60E-04	9.24E-05	1.29E-02
276	488099.44	3856889.39	1.21266	0.22523	0.0245	0.02906	4.90E-03	6.72E-03	1.56E-04	9.18E-05	1.19E-02	4.46E-03	7.26E-09	2.08E-06	2.50E-06	4.46E-03	5.67E-03	6.72E-03	1.56E-04	9.18E-05	1.26E-02
277	488635.86	3857895.05	0.26436	0.33676	1.902	0.04432	1.07E-03	1.00E-02	1.21E-02	1.40E-04	2.34E-02	9.72E-04	1.09E-08	1.62E-04	3.82E-06	1.14E-03	1.24E-03	1.00E-02	1.21E-02	1.40E-04	2.36E-02
278	489137.64	3857804.15	0.28583	0.28491	0.7415	0.03859	1.16E-03	8.50E-03	4.73E-03	1.22E-04	1.45E-02	1.05E-03	9.18E-09	6.31E-05	3.32E-06	1.12E-03	1.34E-03	8.50E-03	4.73E-03	1.22E-04	1.47E-02
279	488617.32	3857859.41	0.27766	0.3298	1.8512	0.04268	1.12E-03	9.84E-03	1.18E-02	1.35E-04	2.29E-02	1.02E-03	1.06E-08	1.57E-04	3.68E-06	1.18E-03	1.30E-03	9.84E-03	1.18E-02	1.35E-04	2.31E-02
280	488667.32	3857859.41	0.27781	0.32564	1.6818	0.04248	1.12E-03	9.71E-03	1.07E-02	1.34E-04	2.17E-02	1.02E-03	1.05E-08	1.43E-04	3.66E-06	1.17E-03	1.30E-03	9.71E-03	1.07E-02	1.34E-04	2.19E-02
281	488717.32	3857859.41	0.27772	0.32168	1.5265	0.04229	1.12E-03	9.60E-03	9.74E-03	1.34E-04	2.06E-02	1.02E-03	1.04E-08	1.30E-04	3.64E-06	1.15E-03	1.30E-03	9.60E-03	9.74E-03	1.34E-04	2.08E-02
282	488767.32	3857859.41	0.27677	0.31895	1.3903	0.04212	1.12E-03	9.52E-03	8.87E-03	1.33E-04	1.96E-02	1.02E-03	1.03E-08	1.18E-04	3.63E-06	1.14E-03	1.29E-03	9.52E-03	8.87E-03	1.33E-04	1.98E-02
283	488617.32	3857909.41	0.25906	0.34167	2.0123	0.04513	1.05E-03	1.02E-02	1.28E-02	1.42E-04	2.42E-02	9.52E-04	1.10E-08	1.71E-04	3.89E-06	1.13E-03	1.21E-03	1.02E-02	1.28E-02	1.42E-04	2.44E-02
284	488667.32	3857909.41	0.25886	0.33871	1.7879	0.04487	1.05E-03	1.01E-02	1.14E-02	1.42E-04	2.27E-02	9.52E-04	1.09E-08	1.52E-04	3.86E-06	1.11E-03	1.21E-03	1.01E-02	1.14E-02	1.42E-04	2.29E-02
285	488717.32	3857909.41	0.2599	0.33332	1.5923	0.04455	1.05E-03	9.94E-03	1.02E-02	1.41E-04	2.13E-02	9.56E-04	1.07E-08	1.35E-04	3.84E-06	1.09E-03	1.22E-03	9.94E-03	1.02E-02	1.41E-04	2.15E-02
286	488767.32	3857909.41	0.25959	0.33016	1.4289	0.04427	1.05E-03	9.85E-03	9.11E-03	1.40E-04	2.02E-02	9.54E-04	1.06E-08	1.22E-04	3.81E-06	1.08E-03	1.21E-03	9.85E-03	9.11E-03	1.40E-04	2.03E-02
287	488417.32	3857959.41	0.23849	0.37159	3.5866	0.04922	9.64E-04	1.11E-02	2.29E-02	1.55E-04	3.51E-02	8.77E-04	1.20E-08	3.05E-04	4.24E-06	1.19E-03	1.12E-03	1.11E-02	2.29E-02	1.55E-04	3.52E-02
288	488467.32	3857959.41	0.23916	0.36748	3.0615	0.04886	9.67E-04	1.10E-02	1.95E-02	1.54E-04	3.16E-02	8.79E-04	1.18E-08	2.60E-04	4.21E-06	1.14E-03	1.12E-03	1.10E-02	1.95E-02	1.54E-04	3.18E-02
289	488517.32	3857959.41	0.23985	0.36347	2.6233	0.04851	9.70E-04	1.08E-02	1.67E-02	1.53E-04	2.87E-02	8.82E-04	1.17E-08	2.23E-04	4.18E-06	1.11E-03	1.12E-03	1.08E-02	1.67E-02	1.53E-04	2.89E-02
290	488567.32	3857959.41	0.2405	0.3595	2.2644	0.04814	9.72E-04	1.07E-02	1.44E-02	1.52E-04	2.63E-02	8.84E-04	1.16E-08	1.93E-04	4.15E-06	1.08E-03	1.12E-03	1.07E-02	1.44E-02	1.52E-04	2.64E-02
291	488617.32	3857959.41	0.2414	0.35491	1.9703	0.04774	9.76E-04	1.06E-02	1.26E-02	1.51E-04	2.43E-02	8.88E-04	1.14E-08	1.68E-04	4.11E-06	1.06E-03	1.13E-03	1.06E-02	1.26E-02	1.51E-04	2.44E-02
292	488667.32	3857959.41	0.24225	0.35036	1.7287	0.04732	9.79E-04	1.05E-02	1.10E-02	1.49E-04	2.26E-02	8.91E-04	1.13E-08	1.47E-04	4.07E-06	1.04E-03	1.13E-03	1.05E-02	1.10E-02	1.49E-04	2.28E-02
293	488717.32	3857959.41	0.24269	0.34649	1.5285	0.04691	9.81E-04	1.03E-02	9.75E-03	1.48E-04	2.12E-02	8.92E-04	1.12E-08	1.30E-04	4.04E-06	1.03E-03	1.13E-03	1.03E-02	9.75E-03	1.48E-04	2.14E-02
294	488767.32	3857959.41	0.24321	0.34231	1.3624	0.04648	9.83E-04	1.02E-02	8.69E-03	1.47E-04	2.00E-02	8.94E-04	1.10E-08	1.16E-04	4.00E-06	1.01E-03	1.14E-03	1.02E-02	8.69E-03	1.47E-04	2.02E-02
295	488417.32	3858009.41	0.22266	0.38666	3.1561	0.05252	9.00E-04	1.15E-02	2.01E-02	1.66E-04	3.27E-02	8.19E-04	1.25E-08	2.68E-04	4.52E-06	1.09E-03	1.04E-03	1.15E-02	2.01E-02	1.66E-04	3.29E-02
296	488467.32	3858009.41	0.22297	0.3825	2.6665	0.05204	9.01E-04	1.14E-02	1.70E-02	1.64E-04	2.95E-02	8.20E-04	1.23E-08	2.27E-04	4.48E-06	1.05E-03	1.04E-03	1.14E-02	1.70E-02	1.64E-04	2.96E-02
297	488517.32	3858009.41	0.22352	0.37816	2.2747	0.05154	9.04E-04	1.13E-02	1.45E-02	1.63E-04	2.69E-02	8.22E-04	1.22E-08	1.93E-04	4.44E-06	1.02E-03	1.05E-03	1.13E-02	1.45E-02	1.63E-04	2.70E-02
298	488567.32	3858009.41	0.22411	0.37399	1.9632	0.05101	9.06E-04	1.12E-02	1.25E-02	1.61E-04	2.47E-02	8.24E-04	1.21E-08	1.67E-04	4.39E-06	9.95E-04	1.05E-03	1.12E-02	1.25E-02	1.61E-04	2.49E-02
299	488617.32	3858009.41	0.22524	0.36868	1.7144	0.05043	9.10E-04	1.10E-02	1.09E-02	1.59E-04	2.30E-02	8.28E-04	1.19E-08	1.46E-04	4.34E-06	9.78E-04	1.05E-03	1.10E-02	1.09E-02	1.59E-04	2.31E-02
300	488667.32	3858009.41	0.22632	0.36362	1.5104	0.04985	9.15E-04	1.08E-02	9.63E-03	1.57E-04	2.16E-02	8.32E-04	1.17E-08	1.28E-04	4.29E-06	9.65E-04	1.06E-03	1.08E-02	9.63E-03	1.57E-04	2.17E-02
301	488717.32	3858009.41	0.22715	0.35919	1.3415	0.04928	9.18E-04	1.07E-02	8.56E-03	1.56E-04	2.03E-02	8.35E-04	1.16E-08	1.14E-04	4.24E-06	9.53E-04	1.06E-03	1.07E-02	8.56E-03	1.56E-04	2.05E-02

302	488767.32	3858009.41	0.22787	0.35491	1.2009	0.04869	9.21E-04	1.06E-02	7.66E-03	1.54E-04	1.93E-02	8.38E-04	1.14E-08	1.02E-04	4.19E-06	9.44E-04	1.07E-03	1.06E-02	7.66E-03	1.54E-04	1.95E-02
303	488417.32	3858059.41	0.20879	0.40347	2.1992	0.05604	8.44E-04	1.20E-02	1.40E-02	1.77E-04	2.71E-02	7.68E-04	1.30E-08	1.87E-04	4.83E-06	9.59E-04	9.76E-04	1.20E-02	1.40E-02	1.77E-04	2.72E-02
304	488467.32	3858059.41	0.2087	0.39889	1.928	0.05538	8.44E-04	1.19E-02	1.23E-02	1.75E-04	2.52E-02	7.67E-04	1.29E-08	1.64E-04	4.77E-06	9.36E-04	9.76E-04	1.19E-02	1.23E-02	1.75E-04	2.53E-02
305	488517.32	3858059.41	0.209	0.39394	1.6959	0.05467	8.45E-04	1.18E-02	1.08E-02	1.73E-04	2.36E-02	7.68E-04	1.27E-08	1.44E-04	4.71E-06	9.17E-04	9.77E-04	1.18E-02	1.08E-02	1.73E-04	2.37E-02
306	488567.32	3858059.41	0.20948	0.38914	1.502	0.05394	8.47E-04	1.16E-02	9.58E-03	1.70E-04	2.22E-02	7.70E-04	1.25E-08	1.28E-04	4.64E-06	9.03E-04	9.80E-04	1.16E-02	9.58E-03	1.70E-04	2.23E-02
307	488617.32	3858059.41	0.21019	0.38419	1.3382	0.05318	8.50E-04	1.15E-02	8.54E-03	1.68E-04	2.10E-02	7.73E-04	1.24E-08	1.14E-04	4.58E-06	8.91E-04	9.83E-04	1.15E-02	8.54E-03	1.68E-04	2.11E-02
308	488667.32	3858059.41	0.21132	0.37855	1.2034	0.05241	8.54E-04	1.13E-02	7.68E-03	1.65E-04	2.00E-02	7.77E-04	1.22E-08	1.02E-04	4.51E-06	8.84E-04	9.88E-04	1.13E-02	7.68E-03	1.65E-04	2.01E-02
309	488417.32	3858109.41	0.19753	0.41933	1.3739	0.05969	7.98E-04	1.25E-02	8.76E-03	1.88E-04	2.23E-02	7.26E-04	1.35E-08	1.17E-04	5.14E-06	8.48E-04	9.24E-04	1.25E-02	8.76E-03	1.88E-04	2.24E-02
310	488467.32	3858109.41	0.1968	0.41497	1.2705	0.05879	7.96E-04	1.24E-02	8.10E-03	1.86E-04	2.15E-02	7.24E-04	1.34E-08	1.08E-04	5.06E-06	8.37E-04	9.20E-04	1.24E-02	8.10E-03	1.86E-04	2.16E-02
311	488517.32	3858109.41	0.19645	0.4104	1.1643	0.05786	7.94E-04	1.22E-02	7.43E-03	1.83E-04	2.06E-02	7.22E-04	1.32E-08	9.90E-05	4.98E-06	8.26E-04	9.19E-04	1.22E-02	7.43E-03	1.83E-04	2.08E-02
312	488567.32	3858109.41	0.19662	0.40505	1.0685	0.05688	7.95E-04	1.21E-02	6.82E-03	1.80E-04	1.99E-02	7.23E-04	1.31E-08	9.09E-05	4.90E-06	8.19E-04	9.20E-04	1.21E-02	6.82E-03	1.80E-04	2.00E-02
313	488617.32	3858109.41	0.19697	0.4	0.9797	0.05592	7.96E-04	1.19E-02	6.25E-03	1.77E-04	1.92E-02	7.24E-04	1.29E-08	8.33E-05	4.82E-06	8.12E-04	9.21E-04	1.19E-02	6.25E-03	1.77E-04	1.93E-02
314	488667.32	3858109.41	0.19795	0.39378	0.9048	0.05493	8.00E-04	1.17E-02	5.77E-03	1.73E-04	1.85E-02	7.28E-04	1.27E-08	7.69E-05	4.73E-06	8.09E-04	9.26E-04	1.17E-02	5.77E-03	1.73E-04	1.86E-02
315	488769.93	3858449.27	0.14132	0.50129	0.1281	0.06955	5.71E-04	1.50E-02	8.17E-04	2.20E-04	1.66E-02	5.20E-04	1.62E-08	1.09E-05	5.99E-06	5.36E-04	6.61E-04	1.50E-02	8.17E-04	2.20E-04	1.67E-02
316	488819.93	3858449.27	0.14073	0.49284	0.1349	0.06785	5.69E-04	1.47E-02	8.61E-04	2.14E-04	1.63E-02	5.17E-04	1.59E-08	1.15E-05	5.84E-06	5.35E-04	6.58E-04	1.47E-02	8.61E-04	2.14E-04	1.64E-02
317	488819.93	3858499.27	0.13566	0.51865	0.1042	0.06994	5.48E-04	1.55E-02	6.65E-04	2.21E-04	1.69E-02	4.99E-04	1.67E-08	8.86E-06	6.02E-06	5.14E-04	6.34E-04	1.55E-02	6.65E-04	2.21E-04	1.70E-02
318	488869.93	3858499.27	0.13507	0.51046	0.1099	0.06821	5.46E-04	1.52E-02	7.01E-04	2.15E-04	1.67E-02	4.97E-04	1.65E-08	9.34E-06	5.87E-06	5.12E-04	6.32E-04	1.52E-02	7.01E-04	2.15E-04	1.68E-02
319	488869.93	3858549.27	0.13048	0.54118	0.0867	0.07001	5.27E-04	1.61E-02	5.53E-04	2.21E-04	1.74E-02	4.80E-04	1.74E-08	7.38E-06	6.03E-06	4.93E-04	6.10E-04	1.61E-02	5.53E-04	2.21E-04	1.75E-02
320	489438.17	3859571.48	0.07269	0.80683	0.0154	0.1484	2.94E-04	2.41E-02	9.83E-05	4.69E-04	2.49E-02	2.67E-04	2.60E-08	1.31E-06	1.28E-05	2.81E-04	3.40E-04	2.41E-02	9.83E-05	4.69E-04	2.50E-02
321	489488.17	3859571.48	0.07286	0.78103	0.0157	0.1409	2.95E-04	2.33E-02	1.00E-04	4.45E-04	2.41E-02	2.68E-04	2.52E-08	1.33E-06	1.21E-05	2.81E-04	3.41E-04	2.33E-02	1.00E-04	4.45E-04	2.42E-02
322	489538.17	3859571.48	0.07292	0.75719	0.016	0.13403	2.95E-04	2.26E-02	1.02E-04	4.23E-04	2.34E-02	2.68E-04	2.44E-08	1.36E-06	1.15E-05	2.81E-04	3.41E-04	2.26E-02	1.02E-04	4.23E-04	2.35E-02
323	489588.17	3859571.48	0.07279	0.73647	0.0163	0.12785	2.94E-04	2.20E-02	1.04E-04	4.04E-04	2.28E-02	2.68E-04	2.37E-08	1.38E-06	1.10E-05	2.80E-04	3.40E-04	2.20E-02	1.04E-04	4.04E-04	2.28E-02
324	489438.17	3859621.48	0.07054	0.7899	0.0148	0.15023	2.85E-04	2.36E-02	9.47E-05	4.74E-04	2.44E-02	2.59E-04	2.55E-08	1.26E-06	1.29E-05	2.74E-04	3.30E-04	2.36E-02	9.47E-05	4.74E-04	2.45E-02
325	489488.17	3859621.48	0.07077	0.76704	0.015	0.14231	2.86E-04	2.29E-02	9.59E-05	4.49E-04	2.37E-02	2.60E-04	2.47E-08	1.28E-06	1.23E-05	2.74E-04	3.31E-04	2.29E-02	9.59E-05	4.49E-04	2.38E-02
326	489538.17	3859621.48	0.07095	0.74512	0.0153	0.13507	2.87E-04	2.22E-02	9.74E-05	4.26E-04	2.30E-02	2.61E-04	2.40E-08	1.30E-06	1.16E-05	2.74E-04	3.32E-04	2.22E-02	9.74E-05	4.26E-04	2.31E-02
327	489588.17	3859621.48	0.07109	0.72319	0.0156	0.12834	2.87E-04	2.16E-02	9.94E-05	4.05E-04	2.24E-02	2.61E-04	2.33E-08	1.33E-06	1.11E-05	2.74E-04	3.32E-04	2.16E-02	9.94E-05	4.05E-04	2.24E-02
328	489238.17	3859671.48	0.06683	0.87325	0.0135	0.19293	2.70E-04	2.61E-02	8.58E-05	6.09E-04	2.70E-02	2.46E-04	2.81E-08	1.14E-06	1.66E-05	2.63E-04	3.13E-04	2.61E-02	8.58E-05	6.09E-04	2.71E-02
329	489288.17	3859671.48	0.06719	0.84746	0.0137	0.18048	2.72E-04	2.53E-02	8.76E-05	5.70E-04	2.62E-02	2.47E-04	2.73E-08	1.17E-06	1.55E-05	2.64E-04	3.14E-04	2.53E-02	8.76E-05	5.70E-04	2.63E-02
330	489338.17	3859671.48	0.06762	0.82194	0.014	0.1692	2.73E-04	2.45E-02	8.92E-05	5.34E-04	2.54E-02	2.49E-04	2.65E-08	1.19E-06	1.46E-05	2.64E-04	3.16E-04	2.45E-02	8.92E-05	5.34E-04	2.55E-02
331	489388.17	3859671.48	0.06811	0.79627	0.0142	0.15892	2.75E-04	2.38E-02	9.06E-05	5.02E-04	2.46E-02	2.50E-04	2.57E-08	1.21E-06	1.37E-05	2.65E-04	3.19E-04	2.38E-02	9.06E-05	5.02E-04	2.47E-02
332	489438.17	3859671.48	0.06844	0.77484	0.0144	0.14992	2.77E-04	2.31E-02	9.15E-05	4.73E-04	2.40E-02	2.52E-04	2.50E-08	1.22E-06	1.29E-05	2.66E-04	3.20E-04	2.31E-02	9.15E-05	4.73E-04	2.40E-02
333	489488.17	3859671.48	0.06886	0.75183	0.0146	0.14156	2.78E-04	2.24E-02	9.29E-05	4.47E-04	2.32E-02	2.53E-04	2.42E-08	1.24E-06	1.22E-05	2.67E-04	3.22E-04	2.24E-02	9.29E-05	4.47E-04	2.33E-02
334	489538.17	3859671.48	0.06914	0.73124	0.0148	0.13407	2.79E-04	2.18E-02	9.41E-05	4.23E-04	2.26E-02	2.54E-04	2.36E-08	1.26E-06	1.15E-05	2.67E-04	3.23E-04	2.18E-02	9.41E-05	4.23E-04	2.27E-02
335	489588.17	3859671.48	0.06937	0.71118	0.015	0.12722	2.80E-04	2.12E-02	9.57E-05	4.02E-04	2.20E-02	2.55E-04	2.29E-08	1.28E-06	1.10E-05	2.67E-04	3.24E-04	2.12E-02	9.57E-05	4.02E-04	2.20E-02
336	489238.17	3859721.48	0.06486	0.85648	0.013	0.19016	2.62E-04	2.56E-02	8.26E-05	6.00E-04	2.65E-02	2.38E-04	2.76E-08	1.10E-06	1.64E-05	2.56E-04	3.03E-04	2.56E-02	8.26E-05	6.00E-04	2.65E-02
337	489288.17	3859721.48	0.06531	0.82663	0.0133	0.17749	2.64E-04	2.47E-02	8.49E-05	5.60E-04	2.56E-02	2.40E-04	2.66E-08	1.13E-06	1.53E-05	2.57E-04	3.05E-04	2.47E-02	8.49E-05	5.60E-04	2.56E-02
338	489338.17	3859721.48	0.0657	0.80403	0.0136	0.16634	2.66E-04	2.40E-02	8.66E-05	5.25E-04	2.49E-02	2.42E-04	2.59E-08	1.15E-06	1.43E-05	2.57E-04	3.07E-04	2.40E-02	8.66E-05	5.25E-04	2.49E-02
339	489388.17	3859721.48	0.06609	0.78264	0.0138	0.15635	2.67E-04	2.33E-02	8.79E-05	4.94E-04	2.42E-02	2.43E-04	2.52E-08	1.17E-06	1.35E-05	2.58E-04	3.09E-04	2.33E-02	8.79E-05	4.94E-04	2.42E-02
340	489438.17	3859721.48	0.06644	0.76276	0.0139	0.14741	2.69E-04	2.28E-02	8.89E-05	4.65E-04	2.36E-02	2.44E-04	2.46E-08	1.19E-06	1.27E-05	2.58E-04	3.11E-04	2.28E-02	8.89E-05	4.65E-04	2.36E-02
341	489488.17	3859721.48	0.06692	0.74074	0.0141	0.13907	2.71E-04	2.21E-02	9.02E-05	4.39E-04	2.29E-02	2.46E-04	2.39E-08	1.20E-06	1.20E-05	2.59E-04	3.13E-04	2.21E-02	9.02E-05	4.39E-04	2.29E-02
342	489538.17	3859721.48	0.0673	0.72078	0.0143	0.13161	2.72E-04	2.15E-02	9.13E-05	4.16E-04	2.23E-02	2.47E-04	2.32E-08	1.22E-06	1.13E-05	2.60E-04	3.15E-04	2.15E-02	9.13E-05	4.16E-04	2.23E-02
343	489588.17	3859721.48	0.06761	0.70182	0.0145	0.12482	2.73E-04	2.09E-02	9.26E-05	3.94E-04	2.17E-02	2.49E-04	2.26E-08	1.23E-06	1.07E-05	2.61E-04	3.16E-04	2.09E-02	9.26E-05	3.94E-04	2.17E-02
344	489238.17	3859771.48	0.06304	0.84486	0.0125	0.18444	2.55E-04	2.52E-02	7.95E-05	5.82E-04	2.61E-02	2.32E-04	2.72E-08	1.06E-06	1.59E-05	2.49E-04	2.95E-04	2.52E-02	7.95E-05	5.82E-04	2.62E-02
345	489288.17	3859771.48	0.06345	0.8166	0.0129	0.17237	2.56E-04	2.44E-02	8.20E-05	5.44E-04	2.52E-02	2.33E-04	2.63E-08	1.09E-06	1.48E-05	2.49E-04	2.97E-04	2.44E-02	8.20E-05	5.44E-04	2.53E-02
346	489338.17	3859771.48	0.06375	0.79623	0.0131	0.16182	2.58E-04	2.38E-02	8.38E-05	5.11E-04	2.46E-02	2.34E-04	2.57E-08	1.12E-06	1.39E-05	2.49E-04	2.98E-04	2.38E-02	8.38E-05	5.11E-04	2.46E-02
347	489388.17	3859771.48	0.06414	0.77521	0.0134	0.15221	2.59E-04	2.31E-02	8.54E-05	4.81E-04	2.40E-02	2.36E-04	2.50E-08	1.14E-06	1.31E-05	2.50E-04	3.00E-04	2.31E-02	8.54E-05	4.81E-04	2.40E-02
348	489438.17	3859771.48	0.06447	0.7564	0.0136	0.14362	2.61E-04	2.26E-02	8.64E-05	4.53E-04	2.34E-02	2.37E-04	2.44E-08	1.15E-06	1.24E-05	2.51E-04	3.02E-04	2.26E-02	8.64E-05	4.53E-04	2.34E-02
349	489488.17	3859771.48	0.06503	0.73385	0.0138	0.13548	2.63E-04	2.19E-02	8.78E-05	4.28E-04	2.27E-02	2.39E-04	2.37E-08	1.17E-06	1.17E-05	2.52E-04	3.04E-04	2.19E-02	8.78E-05	4.28E-04	2.27E-02
350	489538.17	3859771.48	0.06551	0.71315	0.014	0.12819	2.65E-04	2.13E-02	8.90E-05	4.05E-04	2.20E-02	2.41E-04	2.30E-08	1.19E-06	1.10E-05	2.53E-04	3.06E-04	2.13E-02	8.90E-05	4.05E-04	2.21E-02
351	489588.17	3859771.48	0.06581	0.69599	0.0141	0.12167	2.66E-04	2.08E-02	8.99E-05	3.84E-04	2.15E-02	2.42E-04	2.24E-08	1.20E-06	1.05E-05	2.54E-04	3.08E-04	2.08E-02	8.99E-05	3.84E-04	2.15E-02
352	489238.17	3859821.48	0.06129	0.84458	0.012	0.1782	2.48E-04	2.52E-02	7.64E-05	5.63E-04	2.61E-02	2.25E-04	2.72E-08	1.02E-06	1.53E-05	2.42E-04	2.87E-04	2.52E-02	7.64E-05	5.63E-04	2.61E-02
353	489288.17	3859821.48	0.06167	0.81628	0.0124	0.16684	2.49E-04	2.44E-02	7.91E-05	5.27E-04	2.52E-02	2.27E-04	2.63E-08	1.05E-06	1.44E-05	2.42E-04	2.88E-04	2.44E-02	7.91E-05	5.27E-04	2.52E-02
354	489338.17	3859821.48	0.06195	0.79514	0.0127	0.15685	2.50E-04	2.37E-02	8.12E-05	4.95E-04	2.45E-02	2.28E-04	2.56E-08	1.08E-06	1.35E-05	2.42E-04	2.90E-04	2.37E-02	8.12E-05	4.95E-04	2.46E-02
355	489388.17	3859821.48	0.0623	0.77419	0.013	0.14773	2.52E-04	2.31E-02	8.29E-05	4.66E-04	2.39E-02	2.29E-04	2.50E-08	1.11E-06	1.27E-05	2.43E-04	2.91E-04	2.31E-02	8.29E-05	4.66E-04	2.39E-02
356	489438.17	3859821.48	0.06278	0.75181	0.0133	0.13926	2.54E-04	2.24E-02	8.45E-05	4.40E-04	2.32E-02	2.31E-04	2.42E-08	1.13E-06	1.20E-05	2.44E-04	2.94E-04	2.24E-02	8.45E-05	4.40E-04	2.32E-02
357	489488.17	3859821.48	0.06326	0.73042	0.0135	0.13159	2.56E-04	2.18E-02	8.59E-05	4.15E-04	2.25E-02	2.33E-04	2.35E-08	1.14E-06	1.13E-05	2.45E-04	2.96E-04	2.18E-02	8.59E-05	4.15E-04	2.26E-02
358	489538.17	3859821.48	0.06373	0.70955	0.0136	0.12458	2.58E-04	2.12E-02	8.70E-05	3.93E-04	2.19E-02	2.34E-04	2.29E-08	1.16E-06	1.07E-05	2.46E-04	2.98E-04	2.12E-02	8.70E-05	3.93E-04	2.19E-02
359	489588.17	3859821.48	0.06408	0.69224	0.0138	0.11829	2.59E-04	2.07E-02	8.78E-05	3.73E-04	2.14E-02	2.36E-04	2.23E-08	1.17E-06	1.02E-05	2.47E-04	3.00E-04	2.07E-02	8.78E-05	3.73E-04	2.14E-02
360	489238.17	3859871.48	0.0597	0.85459	0.0115	0.17223	2.41E-04	2.55E-02	7.34E-05	5.44E-04	2.64E-02	2.19E-04	2.75E-08	9.78E-07	1.48E-05	2.35E-04	2.79E-04	2.55E-02	7.34E-05	5.44E-04	2.64E-02
361	489288.17	3859871.48	0.05996	0.82977	0.0119	0.1617	2.42E-04	2.48E-02	7.61E-05	5.11E-04	2.56E-02	2.20E-04	2.67E-08	1.01E-06	1.39E-05	2.35E-04	2.80E-04	2.48E-02	7.61E-05	5.11E-04	2.56E-02
362	489338.17	3859871.48	0.06025	0.80187	0.0123	0.1521	2.44E-04	2.39E-02	7.85E-05	4.80E-04	2.47E-02	2.22E-04	2.58E-08	1.05E-06	1.31E-05	2.36E-04	2.82E-04	2.39E-02	7.85E-05	4.80E-04	2.48E-02

363	489388.17	3859871.48	0.06065	0.77752	0.0126	0.14322	2.45E-04	2.32E-02	8.06E-05	4.52E-04	2.40E-02	2.23E-04	2.51E-08	1.07E-06	1.23E-05	2.36E-04	2.84E-04	2.32E-02	8.06E-05	4.52E-04	2.40E-02
364	489438.17	3859871.48	0.06119	0.75138	0.013	0.13498	2.47E-04	2.24E-02	8.27E-05	4.26E-04	2.32E-02	2.25E-04	2.42E-08	1.10E-06	1.16E-05	2.38E-04	2.86E-04	2.24E-02	8.27E-05	4.26E-04	2.32E-02
365	489488.17	3859871.48	0.06178	0.72434	0.0133	0.12743	2.50E-04	2.16E-02	8.47E-05	4.02E-04	2.23E-02	2.27E-04	2.33E-08	1.13E-06	1.10E-05	2.39E-04	2.89E-04	2.16E-02	8.47E-05	4.02E-04	2.24E-02
366	489538.17	3859871.48	0.06208	0.70779	0.0134	0.12088	2.51E-04	2.11E-02	8.54E-05	3.82E-04	2.18E-02	2.28E-04	2.28E-08	1.14E-06	1.04E-05	2.40E-04	2.90E-04	2.11E-02	8.54E-05	3.82E-04	2.19E-02
367	489588.17	3859871.48	0.06246	0.68919	0.0135	0.11477	2.52E-04	2.06E-02	8.63E-05	3.62E-04	2.13E-02	2.30E-04	2.22E-08	1.15E-06	9.88E-06	2.41E-04	2.92E-04	2.06E-02	8.63E-05	3.62E-04	2.13E-02
368	489238.17	3859921.48	0.05828	0.87323	0.0111	0.16534	2.36E-04	2.61E-02	7.05E-05	5.22E-04	2.69E-02	2.14E-04	2.81E-08	9.41E-07	1.42E-05	2.29E-04	2.73E-04	2.61E-02	7.05E-05	5.22E-04	2.69E-02
369	489288.17	3859921.48	0.05858	0.83783	0.0115	0.15541	2.37E-04	2.50E-02	7.35E-05	4.91E-04	2.58E-02	2.15E-04	2.70E-08	9.81E-07	1.34E-05	2.30E-04	2.74E-04	2.50E-02	7.35E-05	4.91E-04	2.58E-02
370	489338.17	3859921.48	0.05884	0.8107	0.0119	0.14638	2.38E-04	2.42E-02	7.62E-05	4.62E-04	2.50E-02	2.16E-04	2.61E-08	1.02E-06	1.26E-05	2.30E-04	2.75E-04	2.42E-02	7.62E-05	4.62E-04	2.50E-02
371	489388.17	3859921.48	0.05924	0.78197	0.0123	0.13789	2.39E-04	2.33E-02	7.87E-05	4.35E-04	2.41E-02	2.18E-04	2.52E-08	1.05E-06	1.19E-05	2.31E-04	2.77E-04	2.33E-02	7.87E-05	4.35E-04	2.41E-02
372	489438.17	3859921.48	0.05979	0.75031	0.0128	0.12998	2.42E-04	2.24E-02	8.13E-05	4.10E-04	2.31E-02	2.20E-04	2.42E-08	1.08E-06	1.12E-05	2.32E-04	2.80E-04	2.24E-02	8.13E-05	4.10E-04	2.32E-02
373	489488.17	3859921.48	0.06019	0.72663	0.013	0.12296	2.43E-04	2.17E-02	8.30E-05	3.88E-04	2.24E-02	2.21E-04	2.34E-08	1.11E-06	1.06E-05	2.33E-04	2.81E-04	2.17E-02	8.30E-05	3.88E-04	2.24E-02
374	489538.17	3859921.48	0.06052	0.70734	0.0132	0.11659	2.45E-04	2.11E-02	8.41E-05	3.68E-04	2.18E-02	2.23E-04	2.28E-08	1.12E-06	1.00E-05	2.34E-04	2.83E-04	2.11E-02	8.41E-05	3.68E-04	2.18E-02
375	489588.17	3859921.48	0.06098	0.68437	0.0134	0.11063	2.46E-04	2.04E-02	8.53E-05	3.49E-04	2.11E-02	2.24E-04	2.21E-08	1.14E-06	9.53E-06	2.35E-04	2.85E-04	2.04E-02	8.53E-05	3.49E-04	2.11E-02
376	489238.17	3859971.48	0.05697	0.89194	0.0106	0.15675	2.30E-04	2.66E-02	6.79E-05	4.95E-04	2.74E-02	2.09E-04	2.87E-08	9.05E-07	1.35E-05	2.24E-04	2.66E-04	2.66E-02	6.79E-05	4.95E-04	2.74E-02
377	489288.17	3859971.48	0.05717	0.85779	0.0111	0.14768	2.31E-04	2.56E-02	7.07E-05	4.66E-04	2.64E-02	2.10E-04	2.76E-08	9.43E-07	1.27E-05	2.24E-04	2.67E-04	2.56E-02	7.07E-05	4.66E-04	2.64E-02
378	489338.17	3859971.48	0.05747	0.82434	0.0116	0.13915	2.32E-04	2.46E-02	7.37E-05	4.39E-04	2.53E-02	2.11E-04	2.66E-08	9.82E-07	1.20E-05	2.24E-04	2.69E-04	2.46E-02	7.37E-05	4.39E-04	2.54E-02
379	489388.17	3859971.48	0.05792	0.78862	0.012	0.13113	2.34E-04	2.35E-02	7.68E-05	4.14E-04	2.43E-02	2.13E-04	2.54E-08	1.02E-06	1.13E-05	2.25E-04	2.71E-04	2.35E-02	7.68E-05	4.14E-04	2.43E-02
380	489438.17	3859971.48	0.05848	0.74972	0.0125	0.12368	2.36E-04	2.24E-02	8.00E-05	3.91E-04	2.31E-02	2.15E-04	2.42E-08	1.07E-06	1.07E-05	2.27E-04	2.73E-04	2.24E-02	8.00E-05	3.91E-04	2.31E-02
381	489488.17	3859971.48	0.05912	0.70612	0.0129	0.11688	2.39E-04	2.11E-02	8.24E-05	3.69E-04	2.18E-02	2.17E-04	2.28E-08	1.10E-06	1.01E-05	2.29E-04	2.76E-04	2.11E-02	8.24E-05	3.69E-04	2.18E-02
382	489538.17	3859971.48	0.05959	0.67432	0.013	0.11081	2.41E-04	2.01E-02	8.30E-05	3.50E-04	2.08E-02	2.19E-04	2.17E-08	1.11E-06	9.54E-06	2.30E-04	2.79E-04	2.01E-02	8.30E-05	3.50E-04	2.08E-02
383	489588.17	3859971.48	0.06001	0.64867	0.0131	0.10529	2.43E-04	1.94E-02	8.36E-05	3.32E-04	2.00E-02	2.21E-04	2.09E-08	1.11E-06	9.07E-06	2.31E-04	2.81E-04	1.94E-02	8.36E-05	3.32E-04	2.00E-02
384	483577.7	3854071	0.10153	0.02624	0.0039	0.01267	4.10E-04	7.83E-04	2.47E-05	4.00E-05	1.26E-03	3.73E-04	8.46E-10	3.29E-07	1.09E-06	3.75E-04	4.75E-04	7.83E-04	2.47E-05	4.00E-05	1.32E-03
385	483627.7	3854071	0.1056	0.02573	0.0039	0.01281	4.27E-04	7.68E-04	2.47E-05	4.04E-05	1.26E-03	3.88E-04	8.29E-10	3.29E-07	1.10E-06	3.90E-04	4.94E-04	7.68E-04	2.47E-05	4.04E-05	1.33E-03
386	483677.7	3854071	0.10906	0.02508	0.0039	0.01293	4.41E-04	7.48E-04	2.47E-05	4.08E-05	1.25E-03	4.01E-04	8.08E-10	3.29E-07	1.11E-06	4.02E-04	5.10E-04	7.48E-04	2.47E-05	4.08E-05	1.32E-03
387	483727.7	3854071	0.11168	0.02443	0.0039	0.01306	4.51E-04	7.29E-04	2.47E-05	4.12E-05	1.25E-03	4.11E-04	7.87E-10	3.29E-07	1.12E-06	4.12E-04	5.22E-04	7.29E-04	2.47E-05	4.12E-05	1.32E-03
388	483777.7	3854071	0.11316	0.02341	0.0039	0.01327	4.57E-04	6.98E-04	2.47E-05	4.19E-05	1.22E-03	4.16E-04	7.55E-10	3.30E-07	1.14E-06	4.18E-04	5.29E-04	6.98E-04	2.47E-05	4.19E-05	1.29E-03
389	483577.7	3854121	0.10223	0.02711	0.0039	0.01342	4.13E-04	8.09E-04	2.49E-05	4.24E-05	1.29E-03	3.76E-04	8.74E-10	3.33E-07	1.16E-06	3.77E-04	4.78E-04	8.09E-04	2.49E-05	4.24E-05	1.35E-03
390	483627.7	3854121	0.10674	0.02627	0.0039	0.01357	4.31E-04	7.84E-04	2.49E-05	4.28E-05	1.28E-03	3.92E-04	8.47E-10	3.33E-07	1.17E-06	3.94E-04	4.99E-04	7.84E-04	2.49E-05	4.28E-05	1.35E-03
391	483677.7	3854121	0.11085	0.02519	0.0039	0.01371	4.48E-04	7.52E-04	2.49E-05	4.33E-05	1.27E-03	4.08E-04	8.12E-10	3.33E-07	1.18E-06	4.09E-04	5.18E-04	7.52E-04	2.49E-05	4.33E-05	1.34E-03
392	483727.7	3854121	0.11421	0.02409	0.0039	0.01393	4.62E-04	7.19E-04	2.49E-05	4.40E-05	1.25E-03	4.20E-04	7.76E-10	3.33E-07	1.20E-06	4.21E-04	5.34E-04	7.19E-04	2.49E-05	4.40E-05	1.32E-03
393	483777.7	3854121	0.11765	0.02342	0.0039	0.01424	4.76E-04	6.99E-04	2.49E-05	4.50E-05	1.24E-03	4.33E-04	7.55E-10	3.33E-07	1.23E-06	4.34E-04	5.50E-04	6.99E-04	2.49E-05	4.50E-05	1.32E-03
394	483577.7	3854171	0.10294	0.02721	0.004	0.01429	4.16E-04	8.12E-04	2.52E-05	4.51E-05	1.30E-03	3.78E-04	8.77E-10	3.36E-07	1.23E-06	3.80E-04	4.81E-04	8.12E-04	2.52E-05	4.51E-05	1.36E-03
395	483627.7	3854171	0.10747	0.02595	0.004	0.01446	4.34E-04	7.74E-04	2.52E-05	4.57E-05	1.28E-03	3.95E-04	8.36E-10	3.36E-07	1.25E-06	3.97E-04	5.03E-04	7.74E-04	2.52E-05	4.57E-05	1.35E-03
396	483677.7	3854171	0.11199	0.02504	0.004	0.01468	4.53E-04	7.47E-04	2.52E-05	4.64E-05	1.27E-03	4.12E-04	8.07E-10	3.36E-07	1.26E-06	4.13E-04	5.24E-04	7.47E-04	2.52E-05	4.64E-05	1.34E-03
397	483727.7	3854171	0.11646	0.02432	0.004	0.01501	4.71E-04	7.26E-04	2.52E-05	4.74E-05	1.27E-03	4.28E-04	7.84E-10	3.36E-07	1.29E-06	4.30E-04	5.45E-04	7.26E-04	2.52E-05	4.74E-05	1.34E-03
398	483777.7	3854171	0.12015	0.02353	0.004	0.01543	4.86E-04	7.02E-04	2.52E-05	4.87E-05	1.26E-03	4.42E-04	7.58E-10	3.36E-07	1.33E-06	4.43E-04	5.62E-04	7.02E-04	2.52E-05	4.87E-05	1.34E-03
399	483827.7	3854171	0.12194	0.0224	0.004	0.01589	4.93E-04	6.68E-04	2.53E-05	5.02E-05	1.24E-03	4.48E-04	7.22E-10	3.37E-07	1.37E-06	4.50E-04	5.70E-04	6.68E-04	2.53E-05	5.02E-05	1.31E-03
400	483877.7	3854171	0.12263	0.02186	0.004	0.0163	4.96E-04	6.52E-04	2.53E-05	5.15E-05	1.22E-03	4.51E-04	7.05E-10	3.37E-07	1.40E-06	4.53E-04	5.73E-04	6.52E-04	2.53E-05	5.15E-05	1.30E-03
401	483727.7	3854221	0.11725	0.02475	0.004	0.01638	4.74E-04	7.38E-04	2.55E-05	5.17E-05	1.29E-03	4.31E-04	7.98E-10	3.39E-07	1.41E-06	4.33E-04	5.48E-04	7.38E-04	2.55E-05	5.17E-05	1.36E-03
402	483777.7	3854221	0.1215	0.0239	0.004	0.0169	4.91E-04	7.13E-04	2.55E-05	5.34E-05	1.28E-03	4.47E-04	7.70E-10	3.39E-07	1.46E-06	4.48E-04	5.68E-04	7.13E-04	2.55E-05	5.34E-05	1.36E-03
403	483827.7	3854221	0.12568	0.0237	0.004	0.0174	5.08E-04	7.07E-04	2.55E-05	5.49E-05	1.30E-03	4.62E-04	7.64E-10	3.40E-07	1.50E-06	4.64E-04	5.88E-04	7.07E-04	2.55E-05	5.49E-05	1.38E-03
404	483877.7	3854221	0.12729	0.02282	0.004	0.01785	5.15E-04	6.81E-04	2.55E-05	5.64E-05	1.28E-03	4.68E-04	7.36E-10	3.40E-07	1.54E-06	4.70E-04	5.95E-04	6.81E-04	2.55E-05	5.64E-05	1.36E-03
405	489150.19	3858726.45	0.11381	0.63731	0.0574	0.07222	4.60E-04	1.90E-02	3.66E-04	2.28E-04	2.01E-02	4.18E-04	2.05E-08	4.88E-06	6.22E-06	4.30E-04	5.32E-04	1.90E-02	3.66E-04	2.28E-04	2.01E-02
406	489200.19	3858726.45	0.11331	0.62433	0.0594	0.07136	4.58E-04	1.86E-02	3.79E-04	2.25E-04	1.97E-02	4.17E-04	2.01E-08	5.05E-06	6.14E-06	4.28E-04	5.30E-04	1.86E-02	3.79E-04	2.25E-04	1.98E-02
407	489150.19	3858776.45	0.11047	0.69432	0.0491	0.07584	4.47E-04	2.07E-02	3.13E-04	2.39E-04	2.17E-02	4.06E-04	2.24E-08	4.17E-06	6.53E-06	4.17E-04	5.17E-04	2.07E-02	3.13E-04	2.39E-04	2.18E-02
408	489200.19	3858776.45	0.10996	0.67485	0.0511	0.07499	4.44E-04	2.01E-02	3.26E-04	2.37E-04	2.11E-02	4.04E-04	2.18E-08	4.34E-06	6.46E-06	4.15E-04	5.14E-04	2.01E-02	3.26E-04	2.37E-04	2.12E-02
409	488919.6	3856400.76	0.74466	0.15134	0.0194	0.02953	3.01E-03	4.51E-03	1.24E-04	9.32E-05	7.74E-03	2.74E-03	4.88E-09	1.65E-06	2.54E-06	2.74E-03	3.48E-03	4.51E-03	1.24E-04	9.32E-05	8.21E-03
410	488919.6	3856450.76	0.75111	0.15535	0.0201	0.02913	3.04E-03	4.63E-03	1.28E-04	9.20E-05	7.89E-03	2.76E-03	5.01E-09	1.71E-06	2.51E-06	2.77E-03	3.51E-03	4.63E-03	1.28E-04	9.20E-05	8.37E-03
411	488969.6	3856450.76	0.7338	0.15381	0.0203	0.02893	2.97E-03	4.59E-03	1.29E-04	9.13E-05	7.78E-03	2.70E-03	4.96E-09	1.73E-06	2.49E-06	2.70E-03	3.43E-03	4.59E-03	1.29E-04	9.13E-05	8.24E-03
412	488919.6	3856500.76	0.75574	0.15938	0.0208	0.02875	3.05E-03	4.75E-03	1.33E-04	9.08E-05	8.03E-03	2.78E-03	5.14E-09	1.77E-06	2.48E-06	2.78E-03	3.53E-03	4.75E-03	1.33E-04	9.08E-05	8.51E-03
413	488969.6	3856500.76	0.73792	0.15808	0.0211	0.02858	2.98E-03	4.72E-03	1.34E-04	9.02E-05	7.92E-03	2.71E-03	5.10E-09	1.79E-06	2.46E-06	2.72E-03	3.45E-03	4.72E-03	1.34E-04	9.02E-05	8.39E-03
414	488919.6	3856550.76	0.75831	0.16373	0.0217	0.02842	3.07E-03	4.88E-03	1.38E-04	8.97E-05	8.18E-03	2.79E-03	5.28E-09	1.84E-06	2.45E-06	2.79E-03	3.55E-03	4.88E-03	1.38E-04	8.97E-05	8.66E-03
415	488969.6	3856550.76	0.73998	0.1621	0.022	0.02828	2.99E-03	4.84E-03	1.41E-04	8.93E-05	8.06E-03	2.72E-03	5.22E-09	1.87E-06	2.44E-06	2.72E-03	3.46E-03	4.84E-03	1.41E-04	8.93E-05	8.53E-03
416	488819.6	3856600.76	0.79805	0.17073	0.022	0.02841	3.23E-03	5.09E-03	1.40E-04	8.97E-05	8.55E-03	2.93E-03	5.50E-09	1.87E-06	2.45E-06	2.94E-03	3.73E-03	5.09E-03	1.40E-04	8.97E-05	9.06E-03
417	488869.6	3856600.76	0.7778	0.16903	0.0223	0.02826	3.14E-03	5.04E-03	1.42E-04	8.92E-05	8.42E-03	2.86E-03	5.45E-09	1.90E-06	2.43E-06	2.86E-03	3.64E-03	5.04E-03	1.42E-04	8.92E-05	8.91E-03
418	488919.6	3856600.76	0.75828	0.16764	0.0227	0.02813	3.07E-03	5.00E-03	1.45E-04	8.88E-05	8.30E-03	2.79E-03	5.40E-09	1.93E-06	2.42E-06	2.79E-03	3.55E-03	5.00E-03	1.45E-04	8.88E-05	8.78E-03
419	488819.6	3856650.76	0.79621	0.17489	0.023	0.0281	3.22E-03	5.22E-03	1.47E-04	8.87E-05	8.67E-03	2.93E-03	5.64E-09	1.96E-06	2.42E-06	2.93E-03	3.72E-03	5.22E-03	1.47E-04	8.87E-05	9.18E-03
420	488869.6	3856650.76	0.77561	0.17311	0.0235	0.02799	3.14E-03	5.16E-03	1.50E-04	8.84E-05	8.54E-03	2.85E-03	5.58E-09	2.00E-06	2.41E-06	2.86E-03	3.63E-03	5.16E-03	1.50E-04	8.84E-05	9.03E-03
421	488819.6	3856700.76	0.79145	0.17912	0.0243	0.02785	3.20E-03	5.34E-03	1.55E-04	8.79E-05	8.79E-03	2.91E-03	5.77E-09	2.06E-06	2.40E-06	2.91E-03	3.70E-03	5.34E-03	1.55E-04	8.79E-05	9.29E-03
422	488869.6	3856700.76	0.7707	0.17715	0.0249	0.02777	3.12E-03	5.28E-03	1.59E-04	8.77E-05	8.65E-03	2.83E-03	5.71E-09	2.12E-06	2.39E-06	2.84E-03	3.60E-03	5.28E-03	1.59E-04	8.77E-05	9.14E-03
423	488819.6	3856750.76	0.78387	0.18299	0.0258	0.02765	3.17E-03	5.46E-03	1.65E-04	8.73E-05	8.88E-03	2.88E-03	5.90E-09	2.19E-06	2.38E-06	2.89E-03	3.67E-03	5.46E-03	1.65E-04	8.73E-05	9.38E-03

424	488869.6	3856750.76	0.76286	0.18133	0.0267	0.02761	3.08E-03	5.41E-03	1.70E-04	8.72E-05	8.75E-03	2.80E-03	5.84E-09	2.27E-06	2.38E-06	2.81E-03	3.57E-03	5.41E-03	1.70E-04	8.72E-05	9.23E-03
425	488819.6	3857050.76	0.67556	0.20823	0.05	0.02758	2.73E-03	6.21E-03	3.19E-04	8.71E-05	9.35E-03	2.48E-03	6.71E-09	4.25E-06	2.37E-06	2.49E-03	3.16E-03	6.21E-03	3.19E-04	8.71E-05	9.78E-03
426	488869.6	3857050.76	0.65792	0.20656	0.0554	0.02762	2.66E-03	6.16E-03	3.53E-04	8.72E-05	9.26E-03	2.42E-03	6.66E-09	4.71E-06	2.38E-06	2.43E-03	3.08E-03	6.16E-03	3.53E-04	8.72E-05	9.68E-03
427	488919.6	3857050.76	0.6414	0.20468	0.0611	0.02765	2.59E-03	6.11E-03	3.90E-04	8.73E-05	9.18E-03	2.36E-03	6.60E-09	5.20E-06	2.38E-06	2.37E-03	3.00E-03	6.11E-03	3.90E-04	8.73E-05	9.58E-03
428	488819.6	3857100.76	0.64978	0.21264	0.0592	0.02773	2.63E-03	6.34E-03	3.77E-04	8.76E-05	9.44E-03	2.39E-03	6.85E-09	5.03E-06	2.39E-06	2.40E-03	3.04E-03	6.34E-03	3.77E-04	8.76E-05	9.85E-03
429	488869.6	3857100.76	0.63363	0.21065	0.0657	0.02777	2.56E-03	6.28E-03	4.19E-04	8.77E-05	9.35E-03	2.33E-03	6.79E-09	5.59E-06	2.39E-06	2.34E-03	2.96E-03	6.28E-03	4.19E-04	8.77E-05	9.75E-03
430	488919.6	3857100.76	0.61784	0.20906	0.0723	0.02779	2.50E-03	6.24E-03	4.61E-04	8.77E-05	9.28E-03	2.27E-03	6.74E-09	6.15E-06	2.39E-06	2.28E-03	2.89E-03	6.24E-03	4.61E-04	8.77E-05	9.68E-03
431	488819.6	3857150.76	0.62297	0.21718	0.0709	0.02793	2.52E-03	6.48E-03	4.52E-04	8.82E-05	9.54E-03	2.29E-03	7.00E-09	6.03E-06	2.41E-06	2.30E-03	2.91E-03	6.48E-03	4.52E-04	8.82E-05	9.93E-03
432	488869.6	3857150.76	0.60783	0.21537	0.0786	0.02797	2.46E-03	6.43E-03	5.01E-04	8.83E-05	9.47E-03	2.23E-03	6.94E-09	6.68E-06	2.41E-06	2.24E-03	2.84E-03	6.43E-03	5.01E-04	8.83E-05	9.86E-03
433	488919.6	3857150.76	0.59357	0.21341	0.0861	0.02799	2.40E-03	6.37E-03	5.49E-04	8.84E-05	9.40E-03	2.18E-03	6.88E-09	7.33E-06	2.41E-06	2.19E-03	2.78E-03	6.37E-03	5.49E-04	8.84E-05	9.78E-03
434	488969.6	3857150.76	0.57985	0.21155	0.0934	0.02801	2.34E-03	6.31E-03	5.96E-04	8.84E-05	9.34E-03	2.13E-03	6.82E-09	7.94E-06	2.41E-06	2.14E-03	2.71E-03	6.31E-03	5.96E-04	8.84E-05	9.71E-03
435	488819.6	3857200.76	0.59542	0.22196	0.0859	0.0282	2.41E-03	6.62E-03	5.48E-04	8.90E-05	9.67E-03	2.19E-03	7.15E-09	7.30E-06	2.43E-06	2.20E-03	2.78E-03	6.62E-03	5.48E-04	8.90E-05	1.00E-02
436	488869.6	3857200.76	0.58149	0.22019	0.0948	0.02823	2.35E-03	6.57E-03	6.05E-04	8.91E-05	9.61E-03	2.14E-03	7.10E-09	8.06E-06	2.43E-06	2.15E-03	2.72E-03	6.57E-03	6.05E-04	8.91E-05	9.98E-03
437	488919.6	3857200.76	0.56839	0.21824	0.1034	0.02825	2.30E-03	6.51E-03	6.59E-04	8.92E-05	9.56E-03	2.09E-03	7.03E-09	8.79E-06	2.43E-06	2.10E-03	2.66E-03	6.51E-03	6.59E-04	8.92E-05	9.92E-03
438	488969.6	3857200.76	0.55608	0.21608	0.1115	0.02827	2.25E-03	6.45E-03	7.11E-04	8.93E-05	9.49E-03	2.04E-03	6.96E-09	9.49E-06	2.43E-06	2.06E-03	2.60E-03	6.45E-03	7.11E-04	8.93E-05	9.85E-03
439	488819.6	3857250.76	0.56773	0.22674	0.1051	0.02854	2.29E-03	6.76E-03	6.70E-04	9.01E-05	9.82E-03	2.09E-03	7.31E-09	8.94E-06	2.46E-06	2.10E-03	2.66E-03	6.76E-03	6.70E-04	9.01E-05	1.02E-02
440	488869.6	3857250.76	0.55523	0.22483	0.1154	0.02856	2.24E-03	6.71E-03	7.36E-04	9.02E-05	9.78E-03	2.04E-03	7.25E-09	9.81E-06	2.46E-06	2.05E-03	2.60E-03	6.71E-03	7.36E-04	9.02E-05	1.01E-02
441	488919.6	3857250.76	0.54328	0.2229	0.1252	0.02858	2.20E-03	6.65E-03	7.99E-04	9.02E-05	9.73E-03	2.00E-03	7.18E-09	1.07E-05	2.46E-06	2.01E-03	2.54E-03	6.65E-03	7.99E-04	9.02E-05	1.01E-02
442	488969.6	3857250.76	0.53186	0.22093	0.1346	0.02859	2.15E-03	6.59E-03	8.59E-04	9.03E-05	9.69E-03	1.96E-03	7.12E-09	1.14E-05	2.46E-06	1.97E-03	2.49E-03	6.59E-03	8.59E-04	9.03E-05	1.00E-02
443	488819.6	3857300.76	0.53962	0.23198	0.13	0.02895	2.18E-03	6.92E-03	8.29E-04	9.14E-05	1.00E-02	1.98E-03	7.48E-09	1.11E-05	2.49E-06	2.00E-03	2.52E-03	6.92E-03	8.29E-04	9.14E-05	1.04E-02
444	488869.6	3857300.76	0.52851	0.22997	0.142	0.02896	2.14E-03	6.86E-03	9.06E-04	9.14E-05	9.99E-03	1.94E-03	7.41E-09	1.21E-05	2.49E-06	1.96E-03	2.47E-03	6.86E-03	9.06E-04	9.14E-05	1.03E-02
445	488919.6	3857300.76	0.51765	0.22812	0.1535	0.02897	2.09E-03	6.81E-03	9.79E-04	9.15E-05	9.97E-03	1.90E-03	7.35E-09	1.31E-05	2.49E-06	1.92E-03	2.42E-03	6.81E-03	9.79E-04	9.15E-05	1.03E-02
446	488819.6	3857450.76	0.45679	0.24881	0.2649	0.03065	1.85E-03	7.42E-03	1.69E-03	9.68E-05	1.11E-02	1.68E-03	8.02E-09	2.25E-05	2.64E-06	1.70E-03	2.14E-03	7.42E-03	1.69E-03	9.68E-05	1.13E-02
447	488869.6	3857450.76	0.44963	0.24652	0.2834	0.03062	1.82E-03	7.35E-03	1.81E-03	9.67E-05	1.11E-02	1.65E-03	7.95E-09	2.41E-05	2.64E-06	1.68E-03	2.10E-03	7.35E-03	1.81E-03	9.67E-05	1.14E-02
448	488919.6	3857450.76	0.442	0.24489	0.2998	0.03062	1.79E-03	7.31E-03	1.91E-03	9.67E-05	1.11E-02	1.63E-03	7.89E-09	2.55E-05	2.64E-06	1.65E-03	2.07E-03	7.31E-03	1.91E-03	9.67E-05	1.14E-02
449	488819.6	3857500.76	0.4306	0.25475	0.3424	0.03139	1.74E-03	7.60E-03	2.18E-03	9.91E-05	1.16E-02	1.58E-03	8.21E-09	2.91E-05	2.70E-06	1.61E-03	2.01E-03	7.60E-03	2.18E-03	9.91E-05	1.19E-02
450	488869.6	3857500.76	0.42409	0.25289	0.3617	0.03138	1.71E-03	7.54E-03	2.31E-03	9.91E-05	1.17E-02	1.56E-03	8.15E-09	3.08E-05	2.70E-06	1.59E-03	1.98E-03	7.54E-03	2.31E-03	9.91E-05	1.19E-02
451	488919.6	3857500.76	0.41767	0.25109	0.3767	0.03138	1.69E-03	7.49E-03	2.40E-03	9.91E-05	1.17E-02	1.54E-03	8.09E-09	3.20E-05	2.70E-06	1.57E-03	1.95E-03	7.49E-03	2.40E-03	9.91E-05	1.19E-02
452	488819.6	3857550.76	0.40507	0.26143	0.4427	0.03229	1.64E-03	7.80E-03	2.82E-03	1.02E-04	1.24E-02	1.49E-03	8.43E-09	3.77E-05	2.78E-06	1.53E-03	1.89E-03	7.80E-03	2.82E-03	1.02E-04	1.26E-02
453	488869.6	3857550.76	0.39975	0.25935	0.4586	0.03229	1.62E-03	7.74E-03	2.93E-03	1.02E-04	1.24E-02	1.47E-03	8.36E-09	3.90E-05	2.78E-06	1.51E-03	1.87E-03	7.74E-03	2.93E-03	1.02E-04	1.26E-02
454	488919.6	3857550.76	0.39414	0.25769	0.4687	0.03231	1.59E-03	7.69E-03	2.99E-03	1.02E-04	1.24E-02	1.45E-03	8.31E-09	3.99E-05	2.78E-06	1.49E-03	1.84E-03	7.69E-03	2.99E-03	1.02E-04	1.26E-02
455	489663.71	3860900.05	0.03763	0.30082	0.0071	0.01909	1.52E-04	8.97E-03	4.52E-05	6.03E-05	9.23E-03	1.38E-04	9.70E-09	6.03E-07	1.64E-06	1.41E-04	1.76E-04	8.97E-03	4.52E-05	6.03E-05	9.26E-03
456	489813.71	3860900.05	0.03784	0.29302	0.0079	0.01861	1.53E-04	8.74E-03	5.05E-05	5.88E-05	9.00E-03	1.39E-04	9.44E-09	6.74E-07	1.60E-06	1.41E-04	1.77E-04	8.74E-03	5.05E-05	5.88E-05	9.03E-03
457	489863.71	3860900.05	0.03784	0.28967	0.0082	0.01845	1.53E-04	8.64E-03	5.22E-05	5.83E-05	8.91E-03	1.39E-04	9.34E-09	6.96E-07	1.59E-06	1.41E-04	1.77E-04	8.64E-03	5.22E-05	5.83E-05	8.93E-03
458	489913.71	3860900.05	0.03794	0.28735	0.0084	0.01836	1.53E-04	8.57E-03	5.38E-05	5.80E-05	8.84E-03	1.39E-04	9.26E-09	7.18E-07	1.58E-06	1.42E-04	1.77E-04	8.57E-03	5.38E-05	5.80E-05	8.86E-03
459	489963.71	3860900.05	0.03793	0.28391	0.0087	0.01824	1.53E-04	8.47E-03	5.52E-05	5.76E-05	8.74E-03	1.39E-04	9.15E-09	7.37E-07	1.57E-06	1.42E-04	1.77E-04	8.47E-03	5.52E-05	5.76E-05	8.76E-03
460	490013.71	3860900.05	0.03803	0.28142	0.0089	0.01817	1.54E-04	8.40E-03	5.66E-05	5.74E-05	8.66E-03	1.40E-04	9.07E-09	7.54E-07	1.56E-06	1.42E-04	1.78E-04	8.40E-03	5.66E-05	5.74E-05	8.69E-03
461	490063.71	3860900.05	0.03809	0.27834	0.0091	0.01808	1.54E-04	8.30E-03	5.77E-05	5.71E-05	8.57E-03	1.40E-04	8.97E-09	7.70E-07	1.56E-06	1.42E-04	1.78E-04	8.30E-03	5.77E-05	5.71E-05	8.60E-03
462	489663.71	3860950.05	0.03691	0.27359	0.0069	0.01747	1.49E-04	8.16E-03	4.37E-05	5.52E-05	8.41E-03	1.36E-04	8.82E-09	5.83E-07	1.50E-06	1.38E-04	1.73E-04	8.16E-03	4.37E-05	5.52E-05	8.43E-03
463	489813.71	3860950.05	0.03713	0.26815	0.0077	0.01714	1.50E-04	8.00E-03	4.88E-05	5.41E-05	8.25E-03	1.37E-04	8.64E-09	6.51E-07	1.48E-06	1.39E-04	1.74E-04	8.00E-03	4.88E-05	5.41E-05	8.28E-03
464	489863.71	3860950.05	0.03712	0.26558	0.0079	0.01699	1.50E-04	7.92E-03	5.05E-05	5.36E-05	8.18E-03	1.36E-04	8.56E-09	6.73E-07	1.46E-06	1.39E-04	1.74E-04	7.92E-03	5.05E-05	5.36E-05	8.20E-03
465	489913.71	3860950.05	0.0372	0.26385	0.0082	0.01691	1.50E-04	7.87E-03	5.21E-05	5.34E-05	8.13E-03	1.37E-04	8.50E-09	6.95E-07	1.46E-06	1.39E-04	1.74E-04	7.87E-03	5.21E-05	5.34E-05	8.15E-03
466	489963.71	3860950.05	0.03722	0.26154	0.0084	0.01681	1.50E-04	7.80E-03	5.36E-05	5.31E-05	8.06E-03	1.37E-04	8.43E-09	7.14E-07	1.45E-06	1.39E-04	1.74E-04	7.80E-03	5.36E-05	5.31E-05	8.08E-03
467	490013.71	3860950.05	0.03727	0.25949	0.0086	0.01675	1.51E-04	7.74E-03	5.50E-05	5.29E-05	8.00E-03	1.37E-04	8.36E-09	7.33E-07	1.44E-06	1.39E-04	1.74E-04	7.74E-03	5.50E-05	5.29E-05	8.02E-03
468	490063.71	3860950.05	0.03733	0.25742	0.0088	0.0167	1.51E-04	7.68E-03	5.62E-05	5.27E-05	7.94E-03	1.37E-04	8.30E-09	7.49E-07	1.44E-06	1.39E-04	1.75E-04	7.68E-03	5.62E-05	5.27E-05	7.96E-03
469	489513.71	3861000.05	0.03603	0.25397	0.006	0.01617	1.46E-04	7.58E-03	3.83E-05	5.11E-05	7.81E-03	1.32E-04	8.19E-09	5.10E-07	1.39E-06	1.34E-04	1.68E-04	7.58E-03	3.83E-05	5.11E-05	7.83E-03
470	489563.71	3861000.05	0.03607	0.2527	0.0062	0.01611	1.46E-04	7.54E-03	3.95E-05	5.09E-05	7.78E-03	1.33E-04	8.14E-09	5.26E-07	1.39E-06	1.35E-04	1.69E-04	7.54E-03	3.95E-05	5.09E-05	7.80E-03
471	489613.71	3861000.05	0.03616	0.25175	0.0064	0.01609	1.46E-04	7.51E-03	4.08E-05	5.08E-05	7.75E-03	1.33E-04	8.11E-09	5.44E-07	1.39E-06	1.35E-04	1.69E-04	7.51E-03	4.08E-05	5.08E-05	7.77E-03
472	489663.71	3861000.05	0.03623	0.25044	0.0066	0.01604	1.46E-04	7.47E-03	4.23E-05	5.06E-05	7.71E-03	1.33E-04	8.07E-09	5.64E-07	1.38E-06	1.35E-04	1.69E-04	7.47E-03	4.23E-05	5.06E-05	7.73E-03
473	489713.71	3861000.05	0.03627	0.24879	0.0069	0.01598	1.47E-04	7.42E-03	4.38E-05	5.05E-05	7.66E-03	1.33E-04	8.02E-09	5.84E-07	1.38E-06	1.35E-04	1.70E-04	7.42E-03	4.38E-05	5.05E-05	7.69E-03
474	489763.71	3861000.05	0.03633	0.24735	0.0071	0.01591	1.47E-04	7.38E-03	4.55E-05	5.02E-05	7.62E-03	1.34E-04	7.97E-09	6.06E-07	1.37E-06	1.36E-04	1.70E-04	7.38E-03	4.55E-05	5.02E-05	7.64E-03
475	489813.71	3861000.05	0.03645	0.24647	0.0074	0.01585	1.47E-04	7.35E-03	4.72E-05	5.00E-05	7.60E-03	1.34E-04	7.94E-09	6.29E-07	1.36E-06	1.36E-04	1.70E-04	7.35E-03	4.72E-05	5.00E-05	7.62E-03
476	489863.71	3861000.05	0.03645	0.24449	0.0077	0.01574	1.47E-04	7.29E-03	4.88E-05	4.97E-05	7.54E-03	1.34E-04	7.88E-09	6.51E-07	1.36E-06	1.36E-04	1.70E-04	7.29E-03	4.88E-05	4.97E-05	7.56E-03
477	489913.71	3861000.05	0.03653	0.24328	0.0079	0.01567	1.48E-04	7.26E-03	5.05E-05	4.95E-05	7.51E-03	1.34E-04	7.84E-09	6.74E-07	1.35E-06	1.36E-04	1.71E-04	7.26E-03	5.05E-05	4.95E-05	7.53E-03
478	489963.71	3861000.05	0.03652	0.24138	0.0082	0.01557	1.48E-04	7.20E-03	5.20E-05	4.92E-05	7.45E-03	1.34E-04	7.78E-09	6.93E-07	1.34E-06	1.36E-04	1.71E-04	7.20E-03	5.20E-05	4.92E-05	7.47E-03
479	490013.71	3861000.05	0.03657	0.23993	0.0084	0.01551	1.48E-04	7.16E-03	5.35E-05	4.90E-05	7.41E-03	1.34E-04	7.73E-09	7.13E-07	1.34E-06	1.37E-04	1.71E-04	7.16E-03	5.35E-05	4.90E-05	7.43E-03
480	490063.71	3861000.05	0.0366	0.23834	0.0086	0.01546	1.48E-04	7.11E-03	5.47E-05	4.88E-05	7.36E-03	1.35E-04	7.68E-09	7.30E-07	1.33E-06	1.37E-04	1.71E-04	7.11E-03	5.47E-05	4.88E-05	7.39E-03
481	489513.71	3861050.05	0.03541	0.23303	0.0058	0.01493	1.43E-04	6.95E-03	3.72E-05	4.71E-05	7.18E-03	1.30E-04	7.51E-09	4.96E-07	1.29E-06	1.32E-04	1.66E-04	6.95E-03	3.72E-05	4.71E-05	7.20E-03
482	489563.71	3861050.05	0.03543	0.2321	0.006	0.01487	1.43E-04	6.92E-03	3.83E-05	4.70E-05	7.15E-03	1.30E-04	7.48E-09	5.11E-07	1.28E-06	1.32E-04	1.66E-04	6.92E-03	3.83E-05	4.70E-05	7.18E-03
483	489613.71	3861050.05	0.03555	0.23181	0.0062	0.01486	1.44E-04	6.92E-03	3.96E-05	4.69E-05	7.15E-03	1.31E-04	7.47E-09	5.28E-07	1.28E-06	1.33E-04	1.66E-04	6.92E-03	3.96E-05	4.69E-05	7.17E-03
484	489663.71	3861050.05	0.03556	0.23037	0.0064	0.0148	1.44E-04	6.87E-03	4.10E-05	4.67E-05	7.10E-03	1.31E-04	7.42E-09	5.46E-07	1.27E-06	1.33E-04	1.66E-04	6.87E-03	4.10E-05	4.67E-05	7.13E-03

485	489713.71	3861050.05	0.03559	0.22904	0.0066	0.01476	1.44E-04	6.83E-03	4.24E-05	4.66E-05	7.07E-03	1.31E-04	7.38E-09	5.65E-07	1.27E-06	1.33E-04	1.66E-04	6.83E-03	4.24E-05	4.66E-05	7.09E-03
486	489763.71	3861050.05	0.03566	0.22803	0.0069	0.01473	1.44E-04	6.80E-03	4.39E-05	4.65E-05	7.04E-03	1.31E-04	7.35E-09	5.86E-07	1.27E-06	1.33E-04	1.67E-04	6.80E-03	4.39E-05	4.65E-05	7.06E-03
487	489813.71	3861050.05	0.03575	0.22714	0.0072	0.0147	1.45E-04	6.78E-03	4.56E-05	4.64E-05	7.01E-03	1.31E-04	7.32E-09	6.08E-07	1.27E-06	1.33E-04	1.67E-04	6.78E-03	4.56E-05	4.64E-05	7.04E-03
488	489863.71	3861050.05	0.03579	0.22586	0.0074	0.01463	1.45E-04	6.74E-03	4.73E-05	4.62E-05	6.98E-03	1.32E-04	7.28E-09	6.30E-07	1.26E-06	1.33E-04	1.67E-04	6.74E-03	4.73E-05	4.62E-05	7.00E-03
489	489913.71	3861050.05	0.03583	0.2247	0.0077	0.01456	1.45E-04	6.70E-03	4.89E-05	4.60E-05	6.94E-03	1.32E-04	7.24E-09	6.51E-07	1.25E-06	1.34E-04	1.68E-04	6.70E-03	4.89E-05	4.60E-05	6.97E-03
490	489963.71	3861050.05	0.03586	0.22347	0.0079	0.0145	1.45E-04	6.67E-03	5.04E-05	4.58E-05	6.91E-03	1.32E-04	7.20E-09	6.72E-07	1.25E-06	1.34E-04	1.68E-04	6.67E-03	5.04E-05	4.58E-05	6.93E-03
491	490013.71	3861050.05	0.03593	0.22262	0.0081	0.01446	1.45E-04	6.64E-03	5.19E-05	4.57E-05	6.88E-03	1.32E-04	7.18E-09	6.92E-07	1.25E-06	1.34E-04	1.68E-04	6.64E-03	5.19E-05	4.57E-05	6.91E-03
492	490063.71	3861050.05	0.03595	0.22136	0.0084	0.0144	1.45E-04	6.60E-03	5.33E-05	4.55E-05	6.85E-03	1.32E-04	7.13E-09	7.10E-07	1.24E-06	1.34E-04	1.68E-04	6.60E-03	5.33E-05	4.55E-05	6.87E-03
493	489513.71	3861100.05	0.03486	0.21541	0.0057	0.01393	1.41E-04	6.43E-03	3.62E-05	4.40E-05	6.65E-03	1.28E-04	6.94E-09	4.83E-07	1.20E-06	1.30E-04	1.63E-04	6.43E-03	3.62E-05	4.40E-05	6.67E-03
494	489563.71	3861100.05	0.0348	0.21418	0.0058	0.01383	1.41E-04	6.39E-03	3.72E-05	4.37E-05	6.61E-03	1.28E-04	6.90E-09	4.96E-07	1.19E-06	1.30E-04	1.63E-04	6.39E-03	3.72E-05	4.37E-05	6.63E-03
495	489613.71	3861100.05	0.03476	0.21279	0.006	0.01374	1.41E-04	6.35E-03	3.83E-05	4.34E-05	6.57E-03	1.28E-04	6.86E-09	5.10E-07	1.18E-06	1.29E-04	1.63E-04	6.35E-03	3.83E-05	4.34E-05	6.59E-03
496	489663.71	3861100.05	0.03483	0.21222	0.0062	0.01372	1.41E-04	6.33E-03	3.96E-05	4.33E-05	6.55E-03	1.28E-04	6.84E-09	5.28E-07	1.18E-06	1.30E-04	1.63E-04	6.33E-03	3.96E-05	4.33E-05	6.58E-03
497	489713.71	3861100.05	0.0349	0.21157	0.0064	0.01369	1.41E-04	6.31E-03	4.10E-05	4.32E-05	6.54E-03	1.28E-04	6.82E-09	5.46E-07	1.18E-06	1.30E-04	1.63E-04	6.31E-03	4.10E-05	4.32E-05	6.56E-03
498	489763.71	3861100.05	0.03497	0.21081	0.0067	0.01368	1.41E-04	6.29E-03	4.25E-05	4.32E-05	6.52E-03	1.29E-04	6.79E-09	5.66E-07	1.18E-06	1.30E-04	1.64E-04	6.29E-03	4.25E-05	4.32E-05	6.54E-03
499	489813.71	3861100.05	0.03506	0.21018	0.0069	0.01367	1.42E-04	6.27E-03	4.41E-05	4.32E-05	6.50E-03	1.29E-04	6.77E-09	5.88E-07	1.18E-06	1.31E-04	1.64E-04	6.27E-03	4.41E-05	4.32E-05	6.52E-03
500	489863.71	3861100.05	0.03517	0.20969	0.0072	0.01365	1.42E-04	6.26E-03	4.57E-05	4.31E-05	6.49E-03	1.29E-04	6.76E-09	6.10E-07	1.18E-06	1.31E-04	1.64E-04	6.26E-03	4.57E-05	4.31E-05	6.51E-03
501	489913.71	3861100.05	0.03517	0.20846	0.0074	0.0136	1.42E-04	6.22E-03	4.73E-05	4.29E-05	6.45E-03	1.29E-04	6.72E-09	6.30E-07	1.17E-06	1.31E-04	1.64E-04	6.22E-03	4.73E-05	4.29E-05	6.47E-03
502	489963.71	3861100.05	0.03522	0.20757	0.0077	0.01355	1.42E-04	6.19E-03	4.89E-05	4.28E-05	6.43E-03	1.29E-04	6.69E-09	6.51E-07	1.17E-06	1.31E-04	1.65E-04	6.19E-03	4.89E-05	4.28E-05	6.45E-03
503	490013.71	3861100.05	0.03522	0.20646	0.0079	0.01349	1.42E-04	6.16E-03	5.03E-05	4.26E-05	6.39E-03	1.29E-04	6.65E-09	6.71E-07	1.16E-06	1.31E-04	1.65E-04	6.16E-03	5.03E-05	4.26E-05	6.42E-03
504	490063.71	3861100.05	0.03525	0.20561	0.0081	0.01345	1.42E-04	6.13E-03	5.17E-05	4.25E-05	6.37E-03	1.30E-04	6.63E-09	6.90E-07	1.16E-06	1.31E-04	1.65E-04	6.13E-03	5.17E-05	4.25E-05	6.39E-03
505	489713.71	3861150.05	0.03424	0.19637	0.0062	0.01279	1.38E-04	5.86E-03	3.97E-05	4.04E-05	6.08E-03	1.26E-04	6.33E-09	5.29E-07	1.10E-06	1.28E-04	1.60E-04	5.86E-03	3.97E-05	4.04E-05	6.10E-03
506	489763.71	3861150.05	0.03432	0.19594	0.0064	0.01278	1.39E-04	5.85E-03	4.11E-05	4.04E-05	6.07E-03	1.26E-04	6.32E-09	5.48E-07	1.10E-06	1.28E-04	1.61E-04	5.85E-03	4.11E-05	4.04E-05	6.09E-03
507	489813.71	3861150.05	0.03441	0.19548	0.0067	0.01277	1.39E-04	5.83E-03	4.26E-05	4.03E-05	6.05E-03	1.27E-04	6.30E-09	5.68E-07	1.10E-06	1.28E-04	1.61E-04	5.83E-03	4.26E-05	4.03E-05	6.08E-03
508	489863.71	3861150.05	0.03447	0.19482	0.0069	0.01276	1.39E-04	5.81E-03	4.41E-05	4.03E-05	6.04E-03	1.27E-04	6.28E-09	5.89E-07	1.10E-06	1.28E-04	1.61E-04	5.81E-03	4.41E-05	4.03E-05	6.06E-03
509	489913.71	3861150.05	0.03451	0.19402	0.0072	0.01273	1.39E-04	5.79E-03	4.57E-05	4.02E-05	6.01E-03	1.27E-04	6.25E-09	6.10E-07	1.10E-06	1.29E-04	1.61E-04	5.79E-03	4.57E-05	4.02E-05	6.04E-03
510	489963.71	3861150.05	0.03454	0.19313	0.0074	0.01269	1.40E-04	5.76E-03	4.73E-05	4.01E-05	5.99E-03	1.27E-04	6.22E-09	6.30E-07	1.09E-06	1.29E-04	1.62E-04	5.76E-03	4.73E-05	4.01E-05	6.01E-03
511	490013.71	3861150.05	0.03456	0.19227	0.0076	0.01265	1.40E-04	5.74E-03	4.87E-05	3.99E-05	5.96E-03	1.27E-04	6.20E-09	6.50E-07	1.09E-06	1.29E-04	1.62E-04	5.74E-03	4.87E-05	3.99E-05	5.99E-03
512	490063.71	3861150.05	0.03461	0.19174	0.0079	0.01262	1.40E-04	5.72E-03	5.02E-05	3.98E-05	5.95E-03	1.27E-04	6.18E-09	6.69E-07	1.09E-06	1.29E-04	1.62E-04	5.72E-03	5.02E-05	3.98E-05	5.97E-03
513	489613.71	3861200.05	0.03345	0.18327	0.0057	0.0121	1.35E-04	5.47E-03	3.60E-05	3.82E-05	5.68E-03	1.23E-04	5.91E-09	4.81E-07	1.04E-06	1.25E-04	1.56E-04	5.47E-03	3.60E-05	3.82E-05	5.70E-03
514	489663.71	3861200.05	0.03352	0.18318	0.0058	0.01206	1.35E-04	5.46E-03	3.72E-05	3.81E-05	5.68E-03	1.23E-04	5.90E-09	4.96E-07	1.04E-06	1.25E-04	1.57E-04	5.46E-03	3.72E-05	3.81E-05	5.70E-03
515	489713.71	3861200.05	0.0336	0.18302	0.006	0.01203	1.36E-04	5.46E-03	3.85E-05	3.80E-05	5.67E-03	1.24E-04	5.90E-09	5.13E-07	1.04E-06	1.25E-04	1.57E-04	5.46E-03	3.85E-05	3.80E-05	5.69E-03
516	489763.71	3861200.05	0.03368	0.18274	0.0062	0.01201	1.36E-04	5.45E-03	3.98E-05	3.79E-05	5.67E-03	1.24E-04	5.89E-09	5.31E-07	1.03E-06	1.25E-04	1.58E-04	5.45E-03	3.98E-05	3.79E-05	5.69E-03
517	489813.71	3861200.05	0.03376	0.18244	0.0065	0.012	1.36E-04	5.44E-03	4.12E-05	3.79E-05	5.66E-03	1.24E-04	5.88E-09	5.49E-07	1.03E-06	1.26E-04	1.58E-04	5.44E-03	4.12E-05	3.79E-05	5.68E-03
518	489863.71	3861200.05	0.03386	0.18215	0.0067	0.012	1.37E-04	5.43E-03	4.27E-05	3.79E-05	5.65E-03	1.24E-04	5.87E-09	5.70E-07	1.03E-06	1.26E-04	1.58E-04	5.43E-03	4.27E-05	3.79E-05	5.67E-03
519	489913.71	3861200.05	0.03391	0.18147	0.0069	0.01198	1.37E-04	5.41E-03	4.43E-05	3.78E-05	5.63E-03	1.25E-04	5.85E-09	5.90E-07	1.03E-06	1.26E-04	1.59E-04	5.41E-03	4.43E-05	3.78E-05	5.65E-03
520	489963.71	3861200.05	0.03392	0.18065	0.0072	0.01195	1.37E-04	5.39E-03	4.58E-05	3.77E-05	5.61E-03	1.25E-04	5.82E-09	6.11E-07	1.03E-06	1.26E-04	1.59E-04	5.39E-03	4.58E-05	3.77E-05	5.63E-03
521	490013.71	3861200.05	0.03397	0.18005	0.0074	0.01192	1.37E-04	5.37E-03	4.73E-05	3.76E-05	5.59E-03	1.25E-04	5.80E-09	6.30E-07	1.03E-06	1.27E-04	1.59E-04	5.37E-03	4.73E-05	3.76E-05	5.62E-03
522	490063.71	3861200.05	0.03399	0.17935	0.0076	0.01189	1.37E-04	5.35E-03	4.87E-05	3.75E-05	5.57E-03	1.25E-04	5.78E-09	6.50E-07	1.02E-06	1.27E-04	1.59E-04	5.35E-03	4.87E-05	3.75E-05	5.60E-03
523	489513.71	3861250.05	0.03271	0.17092	0.0052	0.01144	1.32E-04	5.10E-03	3.33E-05	3.61E-05	5.30E-03	1.20E-04	5.51E-09	4.44E-07	9.85E-07	1.22E-04	1.53E-04	5.10E-03	3.33E-05	3.61E-05	5.32E-03
524	489563.71	3861250.05	0.0328	0.17128	0.0054	0.01146	1.33E-04	5.11E-03	3.41E-05	3.62E-05	5.31E-03	1.21E-04	5.52E-09	4.55E-07	9.87E-07	1.22E-04	1.53E-04	5.11E-03	3.41E-05	3.62E-05	5.33E-03
525	489613.71	3861250.05	0.03287	0.17143	0.0055	0.01145	1.33E-04	5.11E-03	3.51E-05	3.62E-05	5.32E-03	1.21E-04	5.53E-09	4.68E-07	9.86E-07	1.22E-04	1.54E-04	5.11E-03	3.51E-05	3.62E-05	5.34E-03
526	489663.71	3861250.05	0.03292	0.17132	0.0057	0.01142	1.33E-04	5.11E-03	3.61E-05	3.61E-05	5.32E-03	1.21E-04	5.52E-09	4.81E-07	9.83E-07	1.23E-04	1.54E-04	5.11E-03	3.61E-05	3.61E-05	5.34E-03
527	489713.71	3861250.05	0.03299	0.17124	0.0058	0.01139	1.33E-04	5.11E-03	3.73E-05	3.60E-05	5.32E-03	1.21E-04	5.52E-09	4.97E-07	9.81E-07	1.23E-04	1.54E-04	5.11E-03	3.73E-05	3.60E-05	5.34E-03
528	489763.71	3861250.05	0.03307	0.17109	0.006	0.01136	1.34E-04	5.10E-03	3.85E-05	3.59E-05	5.31E-03	1.22E-04	5.51E-09	5.14E-07	9.78E-07	1.23E-04	1.55E-04	5.10E-03	3.85E-05	3.59E-05	5.33E-03
529	489813.71	3861250.05	0.03314	0.17086	0.0063	0.01134	1.34E-04	5.10E-03	3.99E-05	3.58E-05	5.31E-03	1.22E-04	5.51E-09	5.32E-07	9.76E-07	1.23E-04	1.55E-04	5.10E-03	3.99E-05	3.58E-05	5.33E-03
530	489863.71	3861250.05	0.03322	0.17054	0.0065	0.01132	1.34E-04	5.09E-03	4.13E-05	3.57E-05	5.30E-03	1.22E-04	5.50E-09	5.51E-07	9.75E-07	1.24E-04	1.55E-04	5.09E-03	4.13E-05	3.57E-05	5.32E-03
531	489913.71	3861250.05	0.0333	0.17023	0.0067	0.01131	1.35E-04	5.08E-03	4.29E-05	3.57E-05	5.29E-03	1.22E-04	5.49E-09	5.72E-07	9.74E-07	1.24E-04	1.56E-04	5.08E-03	4.29E-05	3.57E-05	5.31E-03
532	489963.71	3861250.05	0.03335	0.16973	0.007	0.0113	1.35E-04	5.06E-03	4.43E-05	3.57E-05	5.28E-03	1.23E-04	5.47E-09	5.91E-07	9.73E-07	1.24E-04	1.56E-04	5.06E-03	4.43E-05	3.57E-05	5.30E-03
533	490013.71	3861250.05	0.03339	0.16914	0.0072	0.01128	1.35E-04	5.05E-03	4.59E-05	3.56E-05	5.26E-03	1.23E-04	5.45E-09	6.11E-07	9.71E-07	1.24E-04	1.56E-04	5.05E-03	4.59E-05	3.56E-05	5.28E-03
534	490063.71	3861250.05	0.03339	0.16837	0.0074	0.01124	1.35E-04	5.02E-03	4.73E-05	3.55E-05	5.24E-03	1.23E-04	5.43E-09	6.30E-07	9.68E-07	1.24E-04	1.56E-04	5.02E-03	4.73E-05	3.55E-05	5.26E-03
535	489528.13	3861308.47	0.03205	0.15846	0.0051	0.01074	1.30E-04	4.73E-03	3.25E-05	3.39E-05	4.92E-03	1.18E-04	5.11E-09	4.34E-07	9.25E-07	1.19E-04	1.50E-04	4.73E-03	3.25E-05	3.39E-05	4.94E-03
536	489578.13	3861308.47	0.03212	0.15873	0.0052	0.01076	1.30E-04	4.74E-03	3.34E-05	3.40E-05	4.93E-03	1.18E-04	5.12E-09	4.45E-07	9.27E-07	1.19E-04	1.50E-04	4.74E-03	3.34E-05	3.40E-05	4.95E-03
537	489628.13	3861308.47	0.03218	0.1589	0.0054	0.01077	1.30E-04	4.74E-03	3.43E-05	3.40E-05	4.94E-03	1.18E-04	5.12E-09	4.57E-07	9.27E-07	1.20E-04	1.50E-04	4.74E-03	3.43E-05	3.40E-05	4.96E-03
538	489678.13	3861308.47	0.03225	0.15906	0.0055	0.01076	1.30E-04	4.75E-03	3.52E-05	3.40E-05	4.94E-03	1.19E-04	5.13E-09	4.69E-07	9.27E-07	1.20E-04	1.51E-04	4.75E-03	3.52E-05	3.40E-05	4.97E-03
539	489728.13	3861308.47	0.03232	0.15909	0.0057	0.01073	1.31E-04	4.75E-03	3.64E-05	3.39E-05	4.95E-03	1.19E-04	5.13E-09	4.85E-07	9.24E-07	1.20E-04	1.51E-04	4.75E-03	3.64E-05	3.39E-05	4.97E-03
540	489778.13	3861308.47	0.03238	0.15894	0.0059	0.0107	1.31E-04	4.74E-03	3.75E-05	3.38E-05	4.94E-03	1.19E-04	5.12E-09	5.00E-07	9.21E-07	1.20E-04	1.51E-04	4.74E-03	3.75E-05	3.38E-05	4.96E-03
541	489678.13	3861358.47	0.03167	0.14971	0.0054	0.01025	1.28E-04	4.47E-03	3.43E-05	3.24E-05	4.66E-03	1.16E-04	4.83E-09	4.57E-07	8.83E-07	1.18E-04	1.48E-04	4.47E-03	3.43E-05	3.24E-05	4.68E-03
542	489728.13	3861358.47	0.03173	0.14977	0.0055	0.01024	1.28E-04	4.47E-03	3.53E-05	3.23E-05	4.66E-03	1.17E-04	4.83E-09	4.70E-07	8.82E-07	1.18E-04	1.48E-04	4.47E-03	3.53E-05	3.23E-05	4.68E-03
543	489528.13	3861408.47	0.03093	0.1405	0.0049	0.00974	1.25E-04	4.19E-03	3.11E-05	3.08E-05	4.38E-03	1.14E-04	4.53E-09	4.14E-07	8.39E-07	1.15E-04	1.45E-04	4.19E-03	3.11E-05	3.08E-05	4.40E-03
544	489578.13	3861408.47	0.03099	0.1408	0.005	0.00977	1.25E-04	4.20E-03	3.17E-05	3.08E-05	4.39E-03	1.14E-04	4.54E-09	4.23E-07	8.41E-07	1.15E-04	1.45E-04	4.20E-03	3.17E-05	3.08E-05	4.41E-03
545	489628.13	3861408.47	0.0311	0.14133	0.0051	0.0098	1.26E-04	4.22E-03	3.25E-05	3.09E-05	4.41E-03	1.14E-04	4.56E-09	4.34E-07	8.44E-07	1.16E-04	1.45E-04	4.22E-03	3.25E-05	3.09E-05	4.43E-03

546	489678.13	3861408.47	0.03113	0.14138	0.0052	0.00981	1.26E-04	4.22E-03	3.34E-05	3.10E-05	4.41E-03	1.14E-04	4.56E-09	4.45E-07	8.45E-07	1.16E-04	1.46E-04	4.22E-03	3.34E-05	3.10E-05	4.43E-03
547	489728.13	3861408.47	0.03116	0.14139	0.0054	0.00979	1.26E-04	4.22E-03	3.43E-05	3.09E-05	4.41E-03	1.15E-04	4.56E-09	4.58E-07	8.43E-07	1.16E-04	1.46E-04	4.22E-03	3.43E-05	3.09E-05	4.43E-03
548	489528.13	3861458.47	0.03043	0.13306	0.0048	0.00933	1.23E-04	3.97E-03	3.04E-05	2.95E-05	4.15E-03	1.12E-04	4.29E-09	4.06E-07	8.03E-07	1.13E-04	1.42E-04	3.97E-03	3.04E-05	2.95E-05	4.17E-03
549	489578.13	3861458.47	0.03049	0.13336	0.0049	0.00936	1.23E-04	3.98E-03	3.10E-05	2.96E-05	4.16E-03	1.12E-04	4.30E-09	4.13E-07	8.06E-07	1.13E-04	1.43E-04	3.98E-03	3.10E-05	2.96E-05	4.18E-03
550	489628.13	3861458.47	0.03054	0.13361	0.005	0.00939	1.23E-04	3.99E-03	3.17E-05	2.96E-05	4.17E-03	1.12E-04	4.31E-09	4.23E-07	8.09E-07	1.14E-04	1.43E-04	3.99E-03	3.17E-05	2.96E-05	4.19E-03
551	489678.13	3861458.47	0.03058	0.13375	0.0051	0.00939	1.24E-04	3.99E-03	3.25E-05	2.96E-05	4.18E-03	1.12E-04	4.31E-09	4.33E-07	8.09E-07	1.14E-04	1.43E-04	3.99E-03	3.25E-05	2.96E-05	4.20E-03
552	489728.13	3861458.47	0.03058	0.13367	0.0052	0.00938	1.24E-04	3.99E-03	3.34E-05	2.96E-05	4.17E-03	1.12E-04	4.31E-09	4.45E-07	8.08E-07	1.14E-04	1.43E-04	3.99E-03	3.34E-05	2.96E-05	4.19E-03
553	489528.13	3861508.47	0.02993	0.12625	0.0047	0.00895	1.21E-04	3.77E-03	2.98E-05	2.83E-05	3.95E-03	1.10E-04	4.07E-09	3.97E-07	7.71E-07	1.11E-04	1.40E-04	3.77E-03	2.98E-05	2.83E-05	3.96E-03
554	489578.13	3861508.47	0.02997	0.12644	0.0048	0.00898	1.21E-04	3.77E-03	3.03E-05	2.84E-05	3.95E-03	1.10E-04	4.08E-09	4.04E-07	7.73E-07	1.11E-04	1.40E-04	3.77E-03	3.03E-05	2.84E-05	3.97E-03
555	489628.13	3861508.47	0.03	0.12662	0.0049	0.00901	1.21E-04	3.78E-03	3.09E-05	2.84E-05	3.96E-03	1.10E-04	4.08E-09	4.12E-07	7.76E-07	1.11E-04	1.40E-04	3.78E-03	3.09E-05	2.84E-05	3.98E-03
556	489678.13	3861508.47	0.03003	0.12672	0.005	0.00902	1.21E-04	3.78E-03	3.16E-05	2.85E-05	3.96E-03	1.10E-04	4.08E-09	4.22E-07	7.77E-07	1.12E-04	1.40E-04	3.78E-03	3.16E-05	2.85E-05	3.98E-03
557	489728.13	3861508.47	0.03005	0.12678	0.0051	0.00902	1.21E-04	3.78E-03	3.25E-05	2.85E-05	3.96E-03	1.10E-04	4.09E-09	4.33E-07	7.77E-07	1.12E-04	1.41E-04	3.78E-03	3.25E-05	2.85E-05	3.98E-03
558	489628.13	3861558.47	0.02953	0.12051	0.0047	0.00867	1.19E-04	3.60E-03	3.02E-05	2.74E-05	3.77E-03	1.09E-04	3.88E-09	4.03E-07	7.47E-07	1.10E-04	1.38E-04	3.60E-03	3.02E-05	2.74E-05	3.79E-03
559	489678.13	3861558.47	0.02959	0.12081	0.0049	0.0087	1.20E-04	3.60E-03	3.09E-05	2.75E-05	3.78E-03	1.09E-04	3.89E-09	4.12E-07	7.49E-07	1.10E-04	1.38E-04	3.60E-03	3.09E-05	2.75E-05	3.80E-03
560	489728.13	3861558.47	0.02961	0.12091	0.005	0.00871	1.20E-04	3.61E-03	3.17E-05	2.75E-05	3.79E-03	1.09E-04	3.90E-09	4.23E-07	7.50E-07	1.10E-04	1.38E-04	3.61E-03	3.17E-05	2.75E-05	3.80E-03
561	489357.08	3861015.81	0.03568	0.2491	0.0055	0.01592	1.44E-04	7.43E-03	3.50E-05	5.03E-05	7.66E-03	1.31E-04	8.03E-09	4.66E-07	1.37E-06	1.33E-04	1.67E-04	7.43E-03	3.50E-05	5.03E-05	7.68E-03
562	489407.08	3861015.81	0.03568	0.24803	0.0056	0.01586	1.44E-04	7.40E-03	3.57E-05	5.01E-05	7.63E-03	1.31E-04	7.99E-09	4.76E-07	1.37E-06	1.33E-04	1.67E-04	7.40E-03	3.57E-05	5.01E-05	7.65E-03
563	489457.08	3861015.81	0.03572	0.24732	0.0058	0.0158	1.44E-04	7.38E-03	3.67E-05	4.99E-05	7.61E-03	1.31E-04	7.97E-09	4.89E-07	1.36E-06	1.33E-04	1.67E-04	7.38E-03	3.67E-05	4.99E-05	7.63E-03
564	489357.08	3861065.81	0.03505	0.22805	0.0054	0.01467	1.42E-04	6.80E-03	3.41E-05	4.63E-05	7.03E-03	1.29E-04	7.35E-09	4.55E-07	1.26E-06	1.31E-04	1.64E-04	6.80E-03	3.41E-05	4.63E-05	7.05E-03
565	489407.08	3861065.81	0.03504	0.22725	0.0055	0.01465	1.42E-04	6.78E-03	3.48E-05	4.63E-05	7.00E-03	1.29E-04	7.32E-09	4.64E-07	1.26E-06	1.31E-04	1.64E-04	6.78E-03	3.48E-05	4.63E-05	7.02E-03
566	489457.08	3861065.81	0.03508	0.22684	0.0056	0.01461	1.42E-04	6.77E-03	3.57E-05	4.61E-05	6.99E-03	1.29E-04	7.31E-09	4.76E-07	1.26E-06	1.31E-04	1.64E-04	6.77E-03	3.57E-05	4.61E-05	7.01E-03
567	489357.08	3861115.81	0.03441	0.20983	0.0052	0.01358	1.39E-04	6.26E-03	3.34E-05	4.29E-05	6.48E-03	1.27E-04	6.76E-09	4.45E-07	1.17E-06	1.28E-04	1.61E-04	6.26E-03	3.34E-05	4.29E-05	6.50E-03
568	489407.08	3861115.81	0.03446	0.20977	0.0053	0.01362	1.39E-04	6.26E-03	3.41E-05	4.30E-05	6.47E-03	1.27E-04	6.76E-09	4.54E-07	1.17E-06	1.28E-04	1.61E-04	6.26E-03	3.41E-05	4.30E-05	6.50E-03
569	489457.08	3861115.81	0.03451	0.20964	0.0055	0.01363	1.39E-04	6.25E-03	3.48E-05	4.30E-05	6.47E-03	1.27E-04	6.76E-09	4.64E-07	1.17E-06	1.29E-04	1.61E-04	6.25E-03	3.48E-05	4.30E-05	6.49E-03
570	489407.08	3861165.81	0.03389	0.19453	0.0052	0.01273	1.37E-04	5.80E-03	3.33E-05	4.02E-05	6.01E-03	1.25E-04	6.27E-09	4.44E-07	1.10E-06	1.26E-04	1.58E-04	5.80E-03	3.33E-05	4.02E-05	6.04E-03
571	489457.08	3861165.81	0.03389	0.19419	0.0053	0.01274	1.37E-04	5.79E-03	3.39E-05	4.02E-05	6.00E-03	1.25E-04	6.26E-09	4.52E-07	1.10E-06	1.26E-04	1.58E-04	5.79E-03	3.39E-05	4.02E-05	6.03E-03
572	489407.08	3861215.81	0.03314	0.17985	0.0051	0.01188	1.34E-04	5.37E-03	3.24E-05	3.75E-05	5.57E-03	1.22E-04	5.80E-09	4.32E-07	1.02E-06	1.23E-04	1.55E-04	5.37E-03	3.24E-05	3.75E-05	5.59E-03
573	489457.08	3861215.81	0.03317	0.17981	0.0052	0.01192	1.34E-04	5.36E-03	3.30E-05	3.76E-05	5.57E-03	1.22E-04	5.80E-09	4.41E-07	1.03E-06	1.23E-04	1.55E-04	5.36E-03	3.30E-05	3.76E-05	5.59E-03
574	489407.08	3861265.81	0.03241	0.16691	0.005	0.01115	1.31E-04	4.98E-03	3.16E-05	3.52E-05	5.18E-03	1.19E-04	5.38E-09	4.22E-07	9.60E-07	1.21E-04	1.52E-04	4.98E-03	3.16E-05	3.52E-05	5.20E-03
575	489457.08	3861265.81	0.03248	0.16723	0.0051	0.0112	1.31E-04	4.99E-03	3.22E-05	3.54E-05	5.19E-03	1.19E-04	5.39E-09	4.29E-07	9.64E-07	1.21E-04	1.52E-04	4.99E-03	3.22E-05	3.54E-05	5.21E-03
576	489309.86	3861110.14	0.03441	0.21154	0.0052	0.01362	1.39E-04	6.31E-03	3.29E-05	4.30E-05	6.53E-03	1.27E-04	6.82E-09	4.39E-07	1.17E-06	1.28E-04	1.61E-04	6.31E-03	3.29E-05	4.30E-05	6.55E-03
577	489407.08	3861315.81	0.03183	0.15641	0.0049	0.01056	1.29E-04	4.67E-03	3.10E-05	3.33E-05	4.86E-03	1.17E-04	5.04E-09	4.13E-07	9.09E-07	1.18E-04	1.49E-04	4.67E-03	3.10E-05	3.33E-05	4.88E-03
578	489457.08	3861315.81	0.03191	0.15679	0.0049	0.01061	1.29E-04	4.68E-03	3.15E-05	3.35E-05	4.87E-03	1.17E-04	5.05E-09	4.20E-07	9.14E-07	1.19E-04	1.49E-04	4.68E-03	3.15E-05	3.35E-05	4.89E-03
579	488906.03	3861006.75	0.03536	0.25609	0.0054	0.01556	1.43E-04	7.64E-03	3.42E-05	4.91E-05	7.87E-03	1.30E-04	8.25E-09	4.56E-07	1.34E-06	1.32E-04	1.65E-04	7.64E-03	3.42E-05	4.91E-05	7.89E-03
580	488956.03	3861006.75	0.03559	0.2574	0.0053	0.01562	1.44E-04	7.68E-03	3.39E-05	4.93E-05	7.91E-03	1.31E-04	8.30E-09	4.52E-07	1.35E-06	1.33E-04	1.66E-04	7.68E-03	3.39E-05	4.93E-05	7.93E-03
581	488904.24	3861051.87	0.03524	0.23602	0.0054	0.01457	1.42E-04	7.04E-03	3.44E-05	4.60E-05	7.26E-03	1.30E-04	7.61E-09	4.58E-07	1.25E-06	1.31E-04	1.65E-04	7.04E-03	3.44E-05	4.60E-05	7.29E-03
582	488954.24	3861051.87	0.03514	0.23645	0.0053	0.01456	1.42E-04	7.05E-03	3.37E-05	4.60E-05	7.28E-03	1.29E-04	7.62E-09	4.49E-07	1.25E-06	1.31E-04	1.64E-04	7.05E-03	3.37E-05	4.60E-05	7.30E-03
583	489004.24	3861051.87	0.03541	0.23711	0.0053	0.01461	1.43E-04	7.07E-03	3.35E-05	4.61E-05	7.30E-03	1.30E-04	7.64E-09	4.46E-07	1.26E-06	1.32E-04	1.66E-04	7.07E-03	3.35E-05	4.61E-05	7.32E-03
584	488804.24	3861101.87	0.03402	0.21396	0.0055	0.01403	1.38E-04	6.38E-03	3.48E-05	4.43E-05	6.60E-03	1.25E-04	6.90E-09	4.64E-07	1.21E-06	1.27E-04	1.59E-04	6.38E-03	3.48E-05	4.43E-05	6.62E-03
585	488854.24	3861101.87	0.03425	0.21491	0.0054	0.0138	1.38E-04	6.41E-03	3.43E-05	4.36E-05	6.63E-03	1.26E-04	6.93E-09	4.58E-07	1.19E-06	1.28E-04	1.60E-04	6.41E-03	3.43E-05	4.36E-05	6.65E-03
586	488904.24	3861101.87	0.034	0.21338	0.0053	0.01346	1.37E-04	6.37E-03	3.35E-05	4.25E-05	6.58E-03	1.25E-04	6.88E-09	4.46E-07	1.16E-06	1.27E-04	1.59E-04	6.37E-03	3.35E-05	4.25E-05	6.60E-03
587	488954.24	3861101.87	0.03401	0.21296	0.0052	0.01333	1.37E-04	6.35E-03	3.30E-05	4.21E-05	6.57E-03	1.25E-04	6.86E-09	4.40E-07	1.15E-06	1.27E-04	1.59E-04	6.35E-03	3.30E-05	4.21E-05	6.59E-03
588	489004.24	3861101.87	0.03413	0.21349	0.0051	0.01333	1.38E-04	6.37E-03	3.27E-05	4.21E-05	6.58E-03	1.25E-04	6.88E-09	4.35E-07	1.15E-06	1.27E-04	1.60E-04	6.37E-03	3.27E-05	4.21E-05	6.60E-03
589	488804.24	3861151.87	0.03288	0.1933	0.0053	0.01296	1.33E-04	5.77E-03	3.39E-05	4.09E-05	5.97E-03	1.21E-04	6.23E-09	4.52E-07	1.12E-06	1.22E-04	1.54E-04	5.77E-03	3.39E-05	4.09E-05	6.00E-03
590	488854.24	3861151.87	0.03294	0.19327	0.0052	0.0127	1.33E-04	5.77E-03	3.34E-05	4.01E-05	5.97E-03	1.21E-04	6.23E-09	4.46E-07	1.09E-06	1.23E-04	1.54E-04	5.77E-03	3.34E-05	4.01E-05	5.99E-03
591	489129.49	3861187.55	0.03306	0.18493	0.0049	0.01191	1.34E-04	5.52E-03	3.13E-05	3.76E-05	5.72E-03	1.22E-04	5.96E-09	4.18E-07	1.03E-06	1.23E-04	1.55E-04	5.52E-03	3.13E-05	3.76E-05	5.74E-03
592	489179.49	3861187.55	0.03313	0.18523	0.0049	0.01199	1.34E-04	5.53E-03	3.13E-05	3.79E-05	5.73E-03	1.22E-04	5.97E-09	4.17E-07	1.03E-06	1.23E-04	1.55E-04	5.53E-03	3.13E-05	3.79E-05	5.75E-03
593	488804.24	3861201.87	0.03226	0.17899	0.0053	0.01223	1.30E-04	5.34E-03	3.37E-05	3.86E-05	5.54E-03	1.19E-04	5.77E-09	4.49E-07	1.05E-06	1.20E-04	1.51E-04	5.34E-03	3.37E-05	3.86E-05	5.56E-03
594	488854.24	3861201.87	0.03224	0.17821	0.0052	0.01196	1.30E-04	5.32E-03	3.30E-05	3.78E-05	5.52E-03	1.19E-04	5.74E-09	4.41E-07	1.03E-06	1.20E-04	1.51E-04	5.32E-03	3.30E-05	3.78E-05	5.54E-03
595	489129.49	3861237.55	0.03252	0.17253	0.0049	0.01121	1.31E-04	5.15E-03	3.10E-05	3.54E-05	5.34E-03	1.20E-04	5.56E-09	4.13E-07	9.65E-07	1.21E-04	1.52E-04	5.15E-03	3.10E-05	3.54E-05	5.37E-03
596	489179.49	3861237.55	0.03252	0.17232	0.0048	0.01126	1.31E-04	5.14E-03	3.08E-05	3.56E-05	5.34E-03	1.20E-04	5.55E-09	4.11E-07	9.70E-07	1.21E-04	1.52E-04	5.14E-03	3.08E-05	3.56E-05	5.36E-03
597	488804.24	3861251.87	0.0317	0.16688	0.0052	0.01159	1.28E-04	4.98E-03	3.34E-05	3.66E-05	5.18E-03	1.17E-04	5.38E-09	4.45E-07	9.98E-07	1.18E-04	1.48E-04	4.98E-03	3.34E-05	3.66E-05	5.20E-03
598	488854.24	3861251.87	0.03165	0.16602	0.0051	0.01133	1.28E-04	4.95E-03	3.28E-05	3.58E-05	5.15E-03	1.16E-04	5.35E-09	4.37E-07	9.76E-07	1.18E-04	1.48E-04	4.95E-03	3.28E-05	3.58E-05	5.17E-03
599	488804.24	3861301.87	0.03106	0.15565	0.0052	0.01099	1.26E-04	4.64E-03	3.30E-05	3.47E-05	4.84E-03	1.14E-04	5.02E-09	4.41E-07	9.46E-07	1.16E-04	1.45E-04	4.64E-03	3.30E-05	3.47E-05	4.86E-03
600	488854.24	3861301.87	0.03107	0.15534	0.0051	0.01077	1.26E-04	4.63E-03	3.25E-05	3.40E-05	4.83E-03	1.14E-04	5.01E-09	4.33E-07	9.27E-07	1.16E-04	1.45E-04	4.63E-03	3.25E-05	3.40E-05	4.85E-03
601	490943.5	3860181.97	0.04955	0.36777	0.0135	0.0374	2.00E-04	1.10E-02	8.62E-05	1.18E-04	1.14E-02	1.82E-04	1.19E-08	1.15E-06	3.22E-06	1.87E-04	2.32E-04	1.10E-02	8.62E-05	1.18E-04	1.14E-02
602	490993.5	3860181.97	0.04926	0.3601	0.0135	0.03667	1.99E-04	1.07E-02	8.62E-05	1.16E-04	1.11E-02	1.81E-04	1.16E-08	1.15E-06	3.16E-06	1.85E-04	2.30E-04	1.07E-02	8.62E-05	1.16E-04	1.12E-02
603	491043.5	3860181.97	0.04899	0.35273	0.0136	0.03597	1.98E-04	1.05E-02	8.64E-05	1.14E-04	1.09E-02	1.80E-04	1.14E-08	1.15E-06	3.10E-06	1.84E-04	2.29E-04	1.05E-02	8.64E-05	1.14E-04	1.10E-02
604	491093.5	3860181.97	0.04871	0.34541	0.0136	0.03524	1.97E-04	1.03E-02	8.66E-05	1.11E-04	1.07E-02	1.79E-04	1.11E-08	1.15E-06	3.03E-06	1.83E-04	2.28E-04	1.03E-02	8.66E-05	1.11E-04	1.07E-02
605	490943.5	3860231.97	0.04884	0.36074	0.0132	0.03556	1.97E-04	1.08E-02	8.41E-05	1.12E-04	1.12E-02	1.80E-04	1.16E-08	1.12E-06	3.06E-06	1.84E-04	2.28E-04	1.08E-02	8.41E-05	1.12E-04	1.12E-02
606	490993.5	3860231.97	0.04861	0.35356	0.0132	0.03503	1.96E-04	1.05E-02	8.43E-05	1.11E-04	1.09E-02	1.79E-04	1.14E-08	1.12E-06	3.02E-06	1.83E-04	2.27E-04	1.05E-02	8.43E-05	1.11E-04	1.10E-02

607	491043.5	3860231.97	0.04825	0.34606	0.0132	0.0343	1.95E-04	1.03E-02	8.42E-05	1.08E-04	1.07E-02	1.77E-04	1.12E-08	1.12E-06	2.95E-06	1.81E-04	2.26E-04	1.03E-02	8.42E-05	1.08E-04	1.07E-02
608	491093.5	3860231.97	0.04792	0.3388	0.0132	0.03361	1.94E-04	1.01E-02	8.41E-05	1.06E-04	1.05E-02	1.76E-04	1.09E-08	1.12E-06	2.89E-06	1.80E-04	2.24E-04	1.01E-02	8.41E-05	1.06E-04	1.05E-02
609	490943.5	3860281.97	0.04818	0.35287	0.0129	0.03372	1.95E-04	1.05E-02	8.23E-05	1.06E-04	1.09E-02	1.77E-04	1.14E-08	1.10E-06	2.90E-06	1.81E-04	2.25E-04	1.05E-02	8.23E-05	1.06E-04	1.09E-02
610	490993.5	3860281.97	0.04791	0.34581	0.0129	0.03321	1.94E-04	1.03E-02	8.23E-05	1.05E-04	1.07E-02	1.76E-04	1.11E-08	1.10E-06	2.86E-06	1.80E-04	2.24E-04	1.03E-02	8.23E-05	1.05E-04	1.07E-02
611	491043.5	3860281.97	0.04756	0.33863	0.0129	0.0326	1.92E-04	1.01E-02	8.22E-05	1.03E-04	1.05E-02	1.75E-04	1.09E-08	1.10E-06	2.81E-06	1.79E-04	2.22E-04	1.01E-02	8.22E-05	1.03E-04	1.05E-02
612	491093.5	3860281.97	0.04723	0.33165	0.0129	0.032	1.91E-04	9.89E-03	8.21E-05	1.01E-04	1.03E-02	1.74E-04	1.07E-08	1.09E-06	2.76E-06	1.78E-04	2.21E-04	9.89E-03	8.21E-05	1.01E-04	1.03E-02
613	490943.5	3860331.97	0.04755	0.34414	0.0126	0.03191	1.92E-04	1.03E-02	8.06E-05	1.01E-04	1.06E-02	1.75E-04	1.11E-08	1.07E-06	2.75E-06	1.79E-04	2.22E-04	1.03E-02	8.06E-05	1.01E-04	1.07E-02
614	490993.5	3860331.97	0.04717	0.33694	0.0126	0.03135	1.91E-04	1.01E-02	8.04E-05	9.90E-05	1.04E-02	1.73E-04	1.09E-08	1.07E-06	2.70E-06	1.77E-04	2.21E-04	1.01E-02	8.04E-05	9.90E-05	1.05E-02
615	491043.5	3860331.97	0.04682	0.33004	0.0126	0.03082	1.89E-04	9.85E-03	8.02E-05	9.73E-05	1.02E-02	1.72E-04	1.06E-08	1.07E-06	2.65E-06	1.76E-04	2.19E-04	9.85E-03	8.02E-05	9.73E-05	1.02E-02
616	491093.5	3860331.97	0.04649	0.3234	0.0126	0.03031	1.88E-04	9.65E-03	8.01E-05	9.57E-05	1.00E-02	1.71E-04	1.04E-08	1.07E-06	2.61E-06	1.75E-04	2.17E-04	9.65E-03	8.01E-05	9.57E-05	1.00E-02
617	490086.72	3859935.12	0.06046	0.5644	0.0144	0.07226	2.44E-04	1.68E-02	9.16E-05	2.28E-04	1.74E-02	2.22E-04	1.82E-08	1.22E-06	6.22E-06	2.30E-04	2.83E-04	1.68E-02	9.16E-05	2.28E-04	1.74E-02
618	490136.72	3859935.12	0.06013	0.55188	0.0146	0.06984	2.43E-04	1.65E-02	9.29E-05	2.21E-04	1.70E-02	2.21E-04	1.78E-08	1.24E-06	6.01E-06	2.28E-04	2.81E-04	1.65E-02	9.29E-05	2.21E-04	1.71E-02
619	490186.72	3859935.12	0.05975	0.53966	0.0148	0.06757	2.42E-04	1.61E-02	9.41E-05	2.13E-04	1.66E-02	2.20E-04	1.74E-08	1.26E-06	5.82E-06	2.27E-04	2.79E-04	1.61E-02	9.41E-05	2.13E-04	1.67E-02
620	490236.72	3859935.12	0.05933	0.52774	0.0149	0.06546	2.40E-04	1.57E-02	9.52E-05	2.07E-04	1.63E-02	2.18E-04	1.70E-08	1.27E-06	5.64E-06	2.25E-04	2.77E-04	1.57E-02	9.52E-05	2.07E-04	1.63E-02
621	490286.72	3859935.12	0.05885	0.51624	0.0151	0.06351	2.38E-04	1.54E-02	9.61E-05	2.01E-04	1.59E-02	2.16E-04	1.66E-08	1.28E-06	5.47E-06	2.23E-04	2.75E-04	1.54E-02	9.61E-05	2.01E-04	1.60E-02
622	490336.72	3859935.12	0.05835	0.50504	0.0152	0.06169	2.36E-04	1.51E-02	9.66E-05	1.95E-04	1.56E-02	2.15E-04	1.63E-08	1.29E-06	5.31E-06	2.21E-04	2.73E-04	1.51E-02	9.66E-05	1.95E-04	1.56E-02
623	490386.72	3859935.12	0.05789	0.49405	0.0152	0.05994	2.34E-04	1.47E-02	9.72E-05	1.89E-04	1.53E-02	2.13E-04	1.59E-08	1.30E-06	5.16E-06	2.19E-04	2.71E-04	1.47E-02	9.72E-05	1.89E-04	1.53E-02
624	490436.72	3859935.12	0.05741	0.48341	0.0153	0.05832	2.32E-04	1.44E-02	9.75E-05	1.84E-04	1.49E-02	2.11E-04	1.56E-08	1.30E-06	5.02E-06	2.17E-04	2.68E-04	1.44E-02	9.75E-05	1.84E-04	1.50E-02
625	490486.72	3859935.12	0.05696	0.47304	0.0153	0.05676	2.30E-04	1.41E-02	9.78E-05	1.79E-04	1.46E-02	2.09E-04	1.52E-08	1.30E-06	4.89E-06	2.16E-04	2.66E-04	1.41E-02	9.78E-05	1.79E-04	1.47E-02
626	490536.72	3859935.12	0.05669	0.46269	0.0155	0.05516	2.29E-04	1.38E-02	9.85E-05	1.74E-04	1.43E-02	2.08E-04	1.49E-08	1.31E-06	4.75E-06	2.14E-04	2.65E-04	1.38E-02	9.85E-05	1.74E-04	1.43E-02
627	490586.72	3859935.12	0.05649	0.4525	0.0156	0.0536	2.28E-04	1.35E-02	9.94E-05	1.69E-04	1.40E-02	2.08E-04	1.46E-08	1.33E-06	4.62E-06	2.14E-04	2.64E-04	1.35E-02	9.94E-05	1.69E-04	1.40E-02
628	490636.72	3859935.12	0.05619	0.44291	0.0157	0.05224	2.27E-04	1.32E-02	1.00E-04	1.65E-04	1.37E-02	2.07E-04	1.43E-08	1.33E-06	4.50E-06	2.12E-04	2.63E-04	1.32E-02	1.00E-04	1.65E-04	1.37E-02
629	490686.72	3859935.12	0.05612	0.43219	0.0159	0.05081	2.27E-04	1.29E-02	1.01E-04	1.60E-04	1.34E-02	2.06E-04	1.39E-08	1.35E-06	4.38E-06	2.12E-04	2.62E-04	1.29E-02	1.01E-04	1.60E-04	1.34E-02
630	490736.72	3859935.12	0.05597	0.42259	0.016	0.04954	2.26E-04	1.26E-02	1.02E-04	1.56E-04	1.31E-02	2.06E-04	1.36E-08	1.36E-06	4.27E-06	2.11E-04	2.62E-04	1.26E-02	1.02E-04	1.56E-04	1.31E-02
631	490086.72	3859985.12	0.05934	0.56489	0.0138	0.06943	2.40E-04	1.69E-02	8.83E-05	2.19E-04	1.74E-02	2.18E-04	1.82E-08	1.18E-06	5.98E-06	2.25E-04	2.78E-04	1.69E-02	8.83E-05	2.19E-04	1.74E-02
632	490136.72	3859985.12	0.05907	0.55192	0.014	0.06718	2.39E-04	1.65E-02	8.95E-05	2.12E-04	1.70E-02	2.17E-04	1.78E-08	1.19E-06	5.78E-06	2.24E-04	2.76E-04	1.65E-02	8.95E-05	2.12E-04	1.70E-02
633	490186.72	3859985.12	0.05879	0.53911	0.0142	0.06502	2.38E-04	1.61E-02	9.08E-05	2.05E-04	1.66E-02	2.16E-04	1.74E-08	1.21E-06	5.60E-06	2.23E-04	2.75E-04	1.61E-02	9.08E-05	2.05E-04	1.67E-02
634	490236.72	3859985.12	0.05849	0.5266	0.0145	0.06297	2.36E-04	1.57E-02	9.22E-05	1.99E-04	1.62E-02	2.15E-04	1.70E-08	1.23E-06	5.42E-06	2.22E-04	2.74E-04	1.57E-02	9.22E-05	1.99E-04	1.63E-02
635	490286.72	3859985.12	0.05807	0.51474	0.0146	0.06113	2.35E-04	1.54E-02	9.31E-05	1.93E-04	1.59E-02	2.13E-04	1.66E-08	1.24E-06	5.26E-06	2.20E-04	2.72E-04	1.54E-02	9.31E-05	1.93E-04	1.59E-02
636	490336.72	3859985.12	0.0576	0.50324	0.0147	0.05941	2.33E-04	1.50E-02	9.38E-05	1.88E-04	1.55E-02	2.12E-04	1.62E-08	1.25E-06	5.12E-06	2.18E-04	2.69E-04	1.50E-02	9.38E-05	1.88E-04	1.56E-02
637	490386.72	3859985.12	0.05706	0.49219	0.0148	0.05784	2.31E-04	1.47E-02	9.42E-05	1.83E-04	1.52E-02	2.10E-04	1.59E-08	1.26E-06	4.98E-06	2.16E-04	2.67E-04	1.47E-02	9.42E-05	1.83E-04	1.52E-02
638	490436.72	3859985.12	0.05657	0.48132	0.0148	0.05631	2.29E-04	1.44E-02	9.46E-05	1.78E-04	1.49E-02	2.08E-04	1.55E-08	1.26E-06	4.85E-06	2.14E-04	2.65E-04	1.44E-02	9.46E-05	1.78E-04	1.49E-02
639	490486.72	3859985.12	0.05612	0.47073	0.0149	0.05483	2.27E-04	1.40E-02	9.50E-05	1.73E-04	1.45E-02	2.06E-04	1.52E-08	1.27E-06	4.72E-06	2.12E-04	2.62E-04	1.40E-02	9.50E-05	1.73E-04	1.46E-02
640	490536.72	3859985.12	0.05576	0.46037	0.015	0.05338	2.25E-04	1.37E-02	9.54E-05	1.69E-04	1.42E-02	2.05E-04	1.48E-08	1.27E-06	4.60E-06	2.11E-04	2.61E-04	1.37E-02	9.54E-05	1.69E-04	1.43E-02
641	490586.72	3859985.12	0.05546	0.45024	0.0151	0.05196	2.24E-04	1.34E-02	9.60E-05	1.64E-04	1.39E-02	2.04E-04	1.45E-08	1.28E-06	4.47E-06	2.10E-04	2.59E-04	1.34E-02	9.60E-05	1.64E-04	1.40E-02
642	490636.72	3859985.12	0.05524	0.44032	0.0152	0.05056	2.23E-04	1.31E-02	9.66E-05	1.60E-04	1.36E-02	2.03E-04	1.42E-08	1.29E-06	4.35E-06	2.09E-04	2.58E-04	1.31E-02	9.66E-05	1.60E-04	1.37E-02
643	490686.72	3859985.12	0.05515	0.42977	0.0153	0.04917	2.23E-04	1.28E-02	9.78E-05	1.55E-04	1.33E-02	2.03E-04	1.39E-08	1.30E-06	4.23E-06	2.08E-04	2.58E-04	1.28E-02	9.78E-05	1.55E-04	1.33E-02
644	490736.72	3859985.12	0.05485	0.42078	0.0154	0.04803	2.22E-04	1.26E-02	9.81E-05	1.52E-04	1.30E-02	2.02E-04	1.36E-08	1.31E-06	4.14E-06	2.07E-04	2.57E-04	1.26E-02	9.81E-05	1.52E-04	1.31E-02
645	490786.72	3859985.12	0.05459	0.41212	0.0155	0.04695	2.21E-04	1.23E-02	9.85E-05	1.48E-04	1.28E-02	2.01E-04	1.33E-08	1.31E-06	4.04E-06	2.06E-04	2.55E-04	1.23E-02	9.85E-05	1.48E-04	1.28E-02
646	490086.72	3860035.12	0.05817	0.5654	0.0134	0.06634	2.35E-04	1.69E-02	8.53E-05	2.09E-04	1.74E-02	2.14E-04	1.82E-08	1.14E-06	5.71E-06	2.21E-04	2.72E-04	1.69E-02	8.53E-05	2.09E-04	1.74E-02
647	490136.72	3860035.12	0.05799	0.5517	0.0136	0.06425	2.34E-04	1.65E-02	8.64E-05	2.03E-04	1.70E-02	2.13E-04	1.78E-08	1.15E-06	5.53E-06	2.20E-04	2.71E-04	1.65E-02	8.64E-05	2.03E-04	1.70E-02
648	490186.72	3860035.12	0.05777	0.53839	0.0137	0.06227	2.34E-04	1.61E-02	8.76E-05	1.97E-04	1.66E-02	2.12E-04	1.74E-08	1.17E-06	5.36E-06	2.19E-04	2.70E-04	1.61E-02	8.76E-05	1.97E-04	1.66E-02
649	490236.72	3860035.12	0.05749	0.52551	0.0139	0.06041	2.32E-04	1.57E-02	8.89E-05	1.91E-04	1.62E-02	2.11E-04	1.69E-08	1.18E-06	5.20E-06	2.18E-04	2.69E-04	1.57E-02	8.89E-05	1.91E-04	1.62E-02
650	490286.72	3860035.12	0.05712	0.51317	0.0141	0.0587	2.31E-04	1.53E-02	8.99E-05	1.85E-04	1.58E-02	2.10E-04	1.65E-08	1.20E-06	5.05E-06	2.16E-04	2.67E-04	1.53E-02	8.99E-05	1.85E-04	1.59E-02
651	490336.72	3860035.12	0.05678	0.50108	0.0143	0.05702	2.30E-04	1.49E-02	9.09E-05	1.80E-04	1.54E-02	2.09E-04	1.62E-08	1.21E-06	4.91E-06	2.15E-04	2.66E-04	1.49E-02	9.09E-05	1.80E-04	1.55E-02
652	490386.72	3860035.12	0.05628	0.48968	0.0143	0.05555	2.27E-04	1.46E-02	9.14E-05	1.75E-04	1.51E-02	2.07E-04	1.58E-08	1.22E-06	4.78E-06	2.13E-04	2.63E-04	1.46E-02	9.14E-05	1.75E-04	1.51E-02
653	490436.72	3860035.12	0.05579	0.47855	0.0144	0.05413	2.26E-04	1.43E-02	9.19E-05	1.71E-04	1.48E-02	2.05E-04	1.54E-08	1.22E-06	4.66E-06	2.11E-04	2.61E-04	1.43E-02	9.19E-05	1.71E-04	1.48E-02
654	490486.72	3860035.12	0.05533	0.46775	0.0145	0.05276	2.24E-04	1.40E-02	9.22E-05	1.67E-04	1.44E-02	2.03E-04	1.51E-08	1.23E-06	4.54E-06	2.09E-04	2.59E-04	1.40E-02	9.22E-05	1.67E-04	1.45E-02
655	490536.72	3860035.12	0.05494	0.45723	0.0145	0.05141	2.22E-04	1.36E-02	9.27E-05	1.62E-04	1.41E-02	2.02E-04	1.47E-08	1.24E-06	4.43E-06	2.08E-04	2.57E-04	1.36E-02	9.27E-05	1.62E-04	1.42E-02
656	490586.72	3860035.12	0.05456	0.44708	0.0146	0.05013	2.21E-04	1.33E-02	9.30E-05	1.58E-04	1.38E-02	2.01E-04	1.44E-08	1.24E-06	4.32E-06	2.06E-04	2.55E-04	1.33E-02	9.30E-05	1.58E-04	1.38E-02
657	490636.72	3860035.12	0.05413	0.43734	0.0146	0.04897	2.19E-04	1.30E-02	9.31E-05	1.55E-04	1.35E-02	1.99E-04	1.41E-08	1.24E-06	4.22E-06	2.04E-04	2.53E-04	1.30E-02	9.31E-05	1.55E-04	1.35E-02
658	490686.72	3860035.12	0.05388	0.42776	0.0147	0.04775	2.18E-04	1.28E-02	9.36E-05	1.51E-04	1.32E-02	1.98E-04	1.38E-08	1.25E-06	4.11E-06	2.03E-04	2.52E-04	1.28E-02	9.36E-05	1.51E-04	1.33E-02
659	490736.72	3860035.12	0.05381	0.41813	0.0148	0.04645	2.18E-04	1.25E-02	9.47E-05	1.47E-04	1.29E-02	1.98E-04	1.35E-08	1.26E-06	4.00E-06	2.03E-04	2.52E-04	1.25E-02	9.47E-05	1.47E-04	1.30E-02
660	490786.72	3860035.12	0.05351	0.40932	0.0149	0.04542	2.16E-04	1.22E-02	9.49E-05	1.43E-04	1.27E-02	1.97E-04	1.32E-08	1.27E-06	3.91E-06	2.02E-04	2.50E-04	1.22E-02	9.49E-05	1.43E-04	1.27E-02
661	490836.72	3860035.12	0.05323	0.40088	0.0149	0.04447	2.15E-04	1.20E-02	9.52E-05	1.40E-04	1.24E-02	1.96E-04	1.29E-08	1.27E-06	3.83E-06	2.01E-04	2.49E-04	1.20E-02	9.52E-05	1.40E-04	1.24E-02
662	490086.72	3860085.12	0.05715	0.56339	0.013	0.0629	2.31E-04	1.68E-02	8.31E-05	1.99E-04	1.73E-02	2.10E-04	1.82E-08	1.11E-06	5.42E-06	2.17E-04	2.67E-04	1.68E-02	8.31E-05	1.99E-04	1.74E-02
663	490136.72	3860085.12	0.05686	0.55106	0.0131	0.06115	2.30E-04	1.64E-02	8.36E-05	1.93E-04	1.69E-02	2.09E-04	1.78E-08	1.11E-06	5.27E-06	2.15E-04	2.66E-04	1.64E-02	8.36E-05	1.93E-04	1.70E-02
664	490186.72	3860085.12	0.05677	0.53682	0.0133	0.05927	2.29E-04	1.60E-02	8.48E-05	1.87E-04	1.65E-02	2.09E-04	1.73E-08	1.13E-06	5.10E-06	2.15E-04	2.65E-04	1.60E-02	8.48E-05	1.87E-04	1.66E-02
665	490236.72	3860085.12	0.05654	0.52347	0.0135	0.05758	2.29E-04	1.56E-02	8.59E-05	1.82E-04	1.61E-02	2.08E-04	1.69E-08	1.15E-06	4.96E-06	2.14E-04	2.64E-04	1.56E-02	8.59E-05	1.82E-04	1.61E-02
666	490286.72	3860085.12	0.05624	0.51062	0.0136	0.05599	2.27E-04	1.52E-02	8.69E-05	1.77E-04	1.57E-02	2.07E-04	1.65E-08	1.16E-06	4.82E-06	2.13E-04	2.63E-04	1.52E-02	8.69E-05	1.77E-04	1.58E-02
667	490336.72	3860085.12	0.05587	0.49832	0.0138	0.05452	2.26E-04	1.49E-02	8.78E-05	1.72E-04	1.54E-02	2.05E-04	1.61E-08	1.17E-06	4.69E-06	2.11E-04	2.61E-04	1.49E-02	8.78E-05	1.72E-04	1.54E-02

668	490386.72	3860085.12	0.05546	0.48644	0.0139	0.05312	2.24E-04	1.45E-02	8.86E-05	1.68E-04	1.50E-02	2.04E-04	1.57E-08	1.18E-06	4.57E-06	2.10E-04	2.59E-04	1.45E-02	8.86E-05	1.68E-04	1.50E-02
669	490436.72	3860085.12	0.05502	0.47499	0.014	0.05179	2.22E-04	1.42E-02	8.92E-05	1.64E-04	1.46E-02	2.02E-04	1.53E-08	1.19E-06	4.46E-06	2.08E-04	2.57E-04	1.42E-02	8.92E-05	1.64E-04	1.47E-02
670	490486.72	3860085.12	0.05455	0.46397	0.0141	0.0505	2.21E-04	1.38E-02	8.96E-05	1.59E-04	1.43E-02	2.01E-04	1.50E-08	1.19E-06	4.35E-06	2.06E-04	2.55E-04	1.38E-02	8.96E-05	1.59E-04	1.43E-02
671	490536.72	3860085.12	0.05414	0.45328	0.0141	0.04926	2.19E-04	1.35E-02	9.01E-05	1.56E-04	1.40E-02	1.99E-04	1.46E-08	1.20E-06	4.24E-06	2.05E-04	2.53E-04	1.35E-02	9.01E-05	1.56E-04	1.40E-02
672	490586.72	3860085.12	0.05375	0.44298	0.0142	0.04808	2.17E-04	1.32E-02	9.04E-05	1.52E-04	1.37E-02	1.98E-04	1.43E-08	1.21E-06	4.14E-06	2.03E-04	2.51E-04	1.32E-02	9.04E-05	1.52E-04	1.37E-02
673	490636.72	3860085.12	0.05332	0.43308	0.0142	0.04695	2.16E-04	1.29E-02	9.05E-05	1.48E-04	1.34E-02	1.96E-04	1.40E-08	1.21E-06	4.04E-06	2.01E-04	2.49E-04	1.29E-02	9.05E-05	1.48E-04	1.34E-02
674	490686.72	3860085.12	0.05299	0.4235	0.0142	0.04591	2.14E-04	1.26E-02	9.08E-05	1.45E-04	1.31E-02	1.95E-04	1.36E-08	1.21E-06	3.95E-06	2.00E-04	2.48E-04	1.26E-02	9.08E-05	1.45E-04	1.31E-02
675	490736.72	3860085.12	0.05273	0.4142	0.0143	0.04484	2.13E-04	1.24E-02	9.12E-05	1.42E-04	1.28E-02	1.94E-04	1.33E-08	1.22E-06	3.86E-06	1.99E-04	2.47E-04	1.24E-02	9.12E-05	1.42E-04	1.28E-02
676	490786.72	3860085.12	0.0525	0.40519	0.0144	0.04381	2.12E-04	1.21E-02	9.17E-05	1.38E-04	1.25E-02	1.93E-04	1.31E-08	1.22E-06	3.77E-06	1.98E-04	2.46E-04	1.21E-02	9.17E-05	1.38E-04	1.26E-02
677	490836.72	3860085.12	0.05218	0.39667	0.0144	0.04291	2.11E-04	1.18E-02	9.18E-05	1.35E-04	1.23E-02	1.92E-04	1.28E-08	1.22E-06	3.69E-06	1.97E-04	2.44E-04	1.18E-02	9.18E-05	1.35E-04	1.23E-02
678	490086.72	3860135.12	0.05557	0.56541	0.0125	0.05983	2.25E-04	1.69E-02	7.99E-05	1.89E-04	1.74E-02	2.04E-04	1.82E-08	1.06E-06	5.15E-06	2.11E-04	2.60E-04	1.69E-02	7.99E-05	1.89E-04	1.74E-02
679	490136.72	3860135.12	0.05562	0.54968	0.0127	0.05799	2.25E-04	1.64E-02	8.08E-05	1.83E-04	1.69E-02	2.04E-04	1.77E-08	1.08E-06	4.99E-06	2.11E-04	2.60E-04	1.64E-02	8.08E-05	1.83E-04	1.69E-02
680	490186.72	3860135.12	0.05562	0.5347	0.0128	0.05625	2.25E-04	1.60E-02	8.19E-05	1.78E-04	1.64E-02	2.04E-04	1.72E-08	1.09E-06	4.84E-06	2.10E-04	2.60E-04	1.60E-02	8.19E-05	1.78E-04	1.65E-02
681	490236.72	3860135.12	0.05545	0.52069	0.013	0.05471	2.24E-04	1.55E-02	8.29E-05	1.73E-04	1.60E-02	2.04E-04	1.68E-08	1.11E-06	4.71E-06	2.10E-04	2.59E-04	1.55E-02	8.29E-05	1.73E-04	1.60E-02
682	490286.72	3860135.12	0.05525	0.50723	0.0132	0.05322	2.23E-04	1.51E-02	8.39E-05	1.68E-04	1.56E-02	2.03E-04	1.63E-08	1.12E-06	4.58E-06	2.09E-04	2.58E-04	1.51E-02	8.39E-05	1.68E-04	1.56E-02
683	490336.72	3860135.12	0.05498	0.49439	0.0133	0.05183	2.22E-04	1.47E-02	8.50E-05	1.64E-04	1.52E-02	2.02E-04	1.59E-08	1.13E-06	4.46E-06	2.08E-04	2.57E-04	1.47E-02	8.50E-05	1.64E-04	1.53E-02
684	490386.72	3860135.12	0.05463	0.48215	0.0135	0.05055	2.21E-04	1.44E-02	8.58E-05	1.60E-04	1.49E-02	2.01E-04	1.55E-08	1.14E-06	4.35E-06	2.06E-04	2.55E-04	1.44E-02	8.58E-05	1.60E-04	1.49E-02
685	490436.72	3860135.12	0.05421	0.47043	0.0136	0.04932	2.19E-04	1.40E-02	8.64E-05	1.56E-04	1.45E-02	1.99E-04	1.52E-08	1.15E-06	4.25E-06	2.05E-04	2.54E-04	1.40E-02	8.64E-05	1.56E-04	1.45E-02
686	490486.72	3860135.12	0.0538	0.45913	0.0137	0.04809	2.17E-04	1.37E-02	8.71E-05	1.52E-04	1.42E-02	1.98E-04	1.48E-08	1.16E-06	4.14E-06	2.03E-04	2.52E-04	1.37E-02	8.71E-05	1.52E-04	1.42E-02
687	490536.72	3860135.12	0.05342	0.44826	0.0137	0.04694	2.16E-04	1.34E-02	8.76E-05	1.48E-04	1.38E-02	1.96E-04	1.44E-08	1.17E-06	4.04E-06	2.02E-04	2.50E-04	1.34E-02	8.76E-05	1.48E-04	1.39E-02
688	490586.72	3860135.12	0.053	0.43784	0.0138	0.04583	2.14E-04	1.31E-02	8.80E-05	1.45E-04	1.35E-02	1.95E-04	1.41E-08	1.17E-06	3.95E-06	2.00E-04	2.48E-04	1.31E-02	8.80E-05	1.45E-04	1.35E-02
689	490636.72	3860135.12	0.05258	0.4278	0.0138	0.04479	2.13E-04	1.28E-02	8.82E-05	1.41E-04	1.32E-02	1.93E-04	1.38E-08	1.18E-06	3.86E-06	1.98E-04	2.46E-04	1.28E-02	8.82E-05	1.41E-04	1.32E-02
690	490686.72	3860135.12	0.05216	0.41813	0.0138	0.04378	2.11E-04	1.25E-02	8.83E-05	1.38E-04	1.29E-02	1.92E-04	1.35E-08	1.18E-06	3.77E-06	1.97E-04	2.44E-04	1.25E-02	8.83E-05	1.38E-04	1.29E-02
691	490736.72	3860135.12	0.05181	0.40892	0.0139	0.04286	2.09E-04	1.22E-02	8.85E-05	1.35E-04	1.26E-02	1.90E-04	1.32E-08	1.18E-06	3.69E-06	1.95E-04	2.42E-04	1.22E-02	8.85E-05	1.35E-04	1.27E-02
692	490786.72	3860135.12	0.05155	0.40005	0.0139	0.04201	2.08E-04	1.19E-02	8.88E-05	1.33E-04	1.24E-02	1.90E-04	1.29E-08	1.18E-06	3.62E-06	1.94E-04	2.41E-04	1.19E-02	8.88E-05	1.33E-04	1.24E-02
693	490836.72	3860135.12	0.0512	0.39149	0.0139	0.04115	2.07E-04	1.17E-02	8.89E-05	1.30E-04	1.21E-02	1.88E-04	1.26E-08	1.18E-06	3.54E-06	1.93E-04	2.39E-04	1.17E-02	8.89E-05	1.30E-04	1.21E-02
694	490086.72	3860185.12	0.05417	0.5636	0.0122	0.05654	2.19E-04	1.68E-02	7.75E-05	1.79E-04	1.73E-02	1.99E-04	1.82E-08	1.03E-06	4.87E-06	2.05E-04	2.53E-04	1.68E-02	7.75E-05	1.79E-04	1.73E-02
695	490136.72	3860185.12	0.05436	0.54676	0.0123	0.05477	2.20E-04	1.63E-02	7.84E-05	1.73E-04	1.68E-02	2.00E-04	1.76E-08	1.05E-06	4.72E-06	2.06E-04	2.54E-04	1.63E-02	7.84E-05	1.73E-04	1.68E-02
696	490186.72	3860185.12	0.05442	0.53102	0.0124	0.05317	2.20E-04	1.58E-02	7.93E-05	1.68E-04	1.63E-02	2.00E-04	1.71E-08	1.06E-06	4.58E-06	2.06E-04	2.55E-04	1.58E-02	7.93E-05	1.68E-04	1.63E-02
697	490236.72	3860185.12	0.05435	0.51634	0.0126	0.05173	2.20E-04	1.54E-02	8.02E-05	1.63E-04	1.59E-02	2.00E-04	1.66E-08	1.07E-06	4.45E-06	2.05E-04	2.54E-04	1.54E-02	8.02E-05	1.63E-04	1.59E-02
698	490286.72	3860185.12	0.05421	0.5024	0.0127	0.05037	2.19E-04	1.50E-02	8.11E-05	1.59E-04	1.54E-02	1.99E-04	1.62E-08	1.08E-06	4.34E-06	2.05E-04	2.54E-04	1.50E-02	8.11E-05	1.59E-04	1.55E-02
699	490336.72	3860185.12	0.054	0.48916	0.0129	0.0491	2.18E-04	1.46E-02	8.21E-05	1.55E-04	1.50E-02	1.99E-04	1.58E-08	1.09E-06	4.23E-06	2.04E-04	2.53E-04	1.46E-02	8.21E-05	1.55E-04	1.51E-02
700	490386.72	3860185.12	0.05374	0.47655	0.013	0.0479	2.17E-04	1.42E-02	8.30E-05	1.51E-04	1.47E-02	1.98E-04	1.54E-08	1.11E-06	4.12E-06	2.03E-04	2.51E-04	1.42E-02	8.30E-05	1.51E-04	1.47E-02
701	490436.72	3860185.12	0.05341	0.46453	0.0131	0.04673	2.16E-04	1.39E-02	8.38E-05	1.48E-04	1.43E-02	1.96E-04	1.50E-08	1.12E-06	4.02E-06	2.02E-04	2.50E-04	1.39E-02	8.38E-05	1.48E-04	1.43E-02
702	490486.72	3860185.12	0.05303	0.45303	0.0133	0.04559	2.14E-04	1.35E-02	8.45E-05	1.44E-04	1.40E-02	1.95E-04	1.46E-08	1.13E-06	3.93E-06	2.00E-04	2.48E-04	1.35E-02	8.45E-05	1.44E-04	1.40E-02
703	490536.72	3860185.12	0.05266	0.44199	0.0134	0.04452	2.13E-04	1.32E-02	8.52E-05	1.41E-04	1.36E-02	1.94E-04	1.42E-08	1.14E-06	3.83E-06	1.99E-04	2.46E-04	1.32E-02	8.52E-05	1.41E-04	1.37E-02
704	490586.72	3860185.12	0.05231	0.4315	0.0134	0.04352	2.11E-04	1.29E-02	8.57E-05	1.37E-04	1.33E-02	1.92E-04	1.39E-08	1.14E-06	3.75E-06	1.97E-04	2.45E-04	1.29E-02	8.57E-05	1.37E-04	1.33E-02
705	490636.72	3860185.12	0.05187	0.42131	0.0135	0.04252	2.10E-04	1.26E-02	8.59E-05	1.34E-04	1.30E-02	1.91E-04	1.36E-08	1.15E-06	3.66E-06	1.96E-04	2.43E-04	1.26E-02	8.59E-05	1.34E-04	1.30E-02
706	490686.72	3860185.12	0.05148	0.41168	0.0135	0.04162	2.08E-04	1.23E-02	8.62E-05	1.31E-04	1.27E-02	1.89E-04	1.33E-08	1.15E-06	3.58E-06	1.94E-04	2.41E-04	1.23E-02	8.62E-05	1.31E-04	1.27E-02
707	490736.72	3860185.12	0.05104	0.40229	0.0135	0.04067	2.06E-04	1.20E-02	8.62E-05	1.28E-04	1.24E-02	1.88E-04	1.30E-08	1.15E-06	3.50E-06	1.92E-04	2.39E-04	1.20E-02	8.62E-05	1.28E-04	1.25E-02
708	490786.72	3860185.12	0.05069	0.39347	0.0135	0.03987	2.05E-04	1.17E-02	8.63E-05	1.26E-04	1.22E-02	1.86E-04	1.27E-08	1.15E-06	3.43E-06	1.91E-04	2.37E-04	1.17E-02	8.63E-05	1.26E-04	1.22E-02
709	490836.72	3860185.12	0.05035	0.38499	0.0135	0.03911	2.04E-04	1.15E-02	8.64E-05	1.23E-04	1.19E-02	1.85E-04	1.24E-08	1.15E-06	3.37E-06	1.90E-04	2.35E-04	1.15E-02	8.64E-05	1.23E-04	1.19E-02
710	490086.72	3860235.12	0.05284	0.55917	0.0119	0.05316	2.14E-04	1.67E-02	7.56E-05	1.68E-04	1.71E-02	1.94E-04	1.80E-08	1.01E-06	4.58E-06	2.00E-04	2.47E-04	1.67E-02	7.56E-05	1.68E-04	1.72E-02
711	490136.72	3860235.12	0.05304	0.54168	0.012	0.05157	2.14E-04	1.62E-02	7.62E-05	1.63E-04	1.66E-02	1.95E-04	1.75E-08	1.02E-06	4.44E-06	2.00E-04	2.48E-04	1.62E-02	7.62E-05	1.63E-04	1.66E-02
712	490186.72	3860235.12	0.05318	0.52529	0.0121	0.05009	2.15E-04	1.57E-02	7.70E-05	1.58E-04	1.61E-02	1.96E-04	1.69E-08	1.03E-06	4.31E-06	2.01E-04	2.49E-04	1.57E-02	7.70E-05	1.58E-04	1.62E-02
713	490236.72	3860235.12	0.0532	0.51002	0.0122	0.04873	2.15E-04	1.52E-02	7.78E-05	1.54E-04	1.57E-02	1.96E-04	1.64E-08	1.04E-06	4.20E-06	2.01E-04	2.49E-04	1.52E-02	7.78E-05	1.54E-04	1.57E-02
714	490286.72	3860235.12	0.05314	0.49567	0.0123	0.04749	2.15E-04	1.48E-02	7.86E-05	1.50E-04	1.52E-02	1.95E-04	1.60E-08	1.05E-06	4.09E-06	2.01E-04	2.49E-04	1.48E-02	7.86E-05	1.50E-04	1.53E-02
715	490336.72	3860235.12	0.05302	0.48211	0.0125	0.04631	2.14E-04	1.44E-02	7.95E-05	1.46E-04	1.48E-02	1.95E-04	1.55E-08	1.06E-06	3.99E-06	2.00E-04	2.48E-04	1.44E-02	7.95E-05	1.46E-04	1.49E-02
716	490386.72	3860235.12	0.05283	0.46927	0.0126	0.0452	2.14E-04	1.40E-02	8.04E-05	1.43E-04	1.44E-02	1.94E-04	1.51E-08	1.07E-06	3.89E-06	1.99E-04	2.47E-04	1.40E-02	8.04E-05	1.43E-04	1.45E-02
717	490436.72	3860235.12	0.05259	0.45708	0.0127	0.04411	2.13E-04	1.36E-02	8.13E-05	1.39E-04	1.41E-02	1.93E-04	1.47E-08	1.08E-06	3.80E-06	1.98E-04	2.46E-04	1.36E-02	8.13E-05	1.39E-04	1.41E-02
718	490486.72	3860235.12	0.05227	0.44547	0.0129	0.04307	2.11E-04	1.33E-02	8.20E-05	1.36E-04	1.37E-02	1.92E-04	1.44E-08	1.09E-06	3.71E-06	1.97E-04	2.44E-04	1.33E-02	8.20E-05	1.36E-04	1.38E-02
719	490536.72	3860235.12	0.05194	0.43435	0.013	0.04208	2.10E-04	1.30E-02	8.27E-05	1.33E-04	1.34E-02	1.91E-04	1.40E-08	1.10E-06	3.62E-06	1.96E-04	2.43E-04	1.30E-02	8.27E-05	1.33E-04	1.34E-02
720	490586.72	3860235.12	0.05159	0.42379	0.0131	0.04115	2.09E-04	1.26E-02	8.34E-05	1.30E-04	1.31E-02	1.90E-04	1.37E-08	1.11E-06	3.54E-06	1.94E-04	2.41E-04	1.26E-02	8.34E-05	1.30E-04	1.31E-02
721	490636.72	3860235.12	0.0512	0.4137	0.0131	0.04025	2.07E-04	1.23E-02	8.38E-05	1.27E-04	1.28E-02	1.88E-04	1.33E-08	1.12E-06	3.47E-06	1.93E-04	2.39E-04	1.23E-02	8.38E-05	1.27E-04	1.28E-02
722	490686.72	3860235.12	0.05081	0.40407	0.0132	0.03939	2.05E-04	1.21E-02	8.41E-05	1.24E-04	1.25E-02	1.87E-04	1.30E-08	1.12E-06	3.39E-06	1.91E-04	2.38E-04	1.21E-02	8.41E-05	1.24E-04	1.25E-02
723	490736.72	3860235.12	0.0504	0.39481	0.0132	0.03854	2.04E-04	1.18E-02	8.42E-05	1.22E-04	1.22E-02	1.85E-04	1.27E-08	1.12E-06	3.32E-06	1.90E-04	2.36E-04	1.18E-02	8.42E-05	1.22E-04	1.22E-02
724	490786.72	3860235.12	0.04999	0.38592	0.0132	0.03773	2.02E-04	1.15E-02	8.43E-05	1.19E-04	1.19E-02	1.84E-04	1.24E-08	1.12E-06	3.25E-06	1.88E-04	2.34E-04	1.15E-02	8.43E-05	1.19E-04	1.20E-02
725	490086.72	3860285.12	0.05146	0.55171	0.0116	0.04974	2.08E-04	1.65E-02	7.39E-05	1.57E-04	1.69E-02	1.89E-04	1.78E-08	9.85E-07	4.28E-06	1.94E-04	2.41E-04	1.65E-02	7.39E-05	1.57E-04	1.69E-02
726	490136.72	3860285.12	0.05172	0.53366	0.0117	0.04831	2.09E-04	1.59E-02	7.44E-05	1.53E-04	1.64E-02	1.90E-04	1.72E-08	9.92E-07	4.16E-06	1.95E-04	2.42E-04	1.59E-02	7.44E-05	1.53E-04	1.64E-02
727	490186.72	3860285.12	0.05188	0.51694	0.0117	0.047	2.10E-04	1.54E-02	7.49E-05	1.48E-04	1.59E-02	1.91E-04	1.67E-08	9.98E-07	4.05E-06	1.96E-04	2.43E-04	1.54E-02	7.49E-05	1.48E-04	1.59E-02
728	490236.72	3860285.12	0.05202	0.50128	0.0119	0.04575	2.10E-04	1.50E-02	7.56E-05	1.44E-04	1.54E-02	1.91E-04	1.62E-08	1.01E-06	3.94E-06	1.96E-04	2.43E-04	1.50E-02	7.56E-05	1.44E-04	1.54E-02

729	490286.72	3860285.12	0.05202	0.48674	0.012	0.04463	2.10E-04	1.45E-02	7.62E-05	1.41E-04	1.49E-02	1.91E-04	1.57E-08	1.02E-06	3.84E-06	1.96E-04	2.43E-04	1.45E-02	7.62E-05	1.41E-04	1.50E-02
730	490336.72	3860285.12	0.05197	0.47305	0.0121	0.04356	2.10E-04	1.41E-02	7.70E-05	1.38E-04	1.45E-02	1.91E-04	1.52E-08	1.03E-06	3.75E-06	1.96E-04	2.43E-04	1.41E-02	7.70E-05	1.38E-04	1.46E-02
731	490386.72	3860285.12	0.05188	0.46012	0.0122	0.04253	2.10E-04	1.37E-02	7.79E-05	1.34E-04	1.41E-02	1.91E-04	1.48E-08	1.04E-06	3.66E-06	1.95E-04	2.43E-04	1.37E-02	7.79E-05	1.34E-04	1.42E-02
732	490436.72	3860285.12	0.0517	0.44792	0.0124	0.04153	2.09E-04	1.34E-02	7.88E-05	1.31E-04	1.38E-02	1.90E-04	1.44E-08	1.05E-06	3.58E-06	1.95E-04	2.42E-04	1.34E-02	7.88E-05	1.31E-04	1.38E-02
733	490486.72	3860285.12	0.05147	0.4363	0.0125	0.04059	2.08E-04	1.30E-02	7.96E-05	1.28E-04	1.34E-02	1.89E-04	1.41E-08	1.06E-06	3.50E-06	1.94E-04	2.41E-04	1.30E-02	7.96E-05	1.28E-04	1.35E-02
734	490536.72	3860285.12	0.05116	0.42518	0.0126	0.03966	2.07E-04	1.27E-02	8.03E-05	1.25E-04	1.31E-02	1.88E-04	1.37E-08	1.07E-06	3.42E-06	1.93E-04	2.39E-04	1.27E-02	8.03E-05	1.25E-04	1.31E-02
735	490586.72	3860285.12	0.05083	0.41463	0.0127	0.03876	2.05E-04	1.24E-02	8.09E-05	1.22E-04	1.28E-02	1.87E-04	1.34E-08	1.08E-06	3.34E-06	1.91E-04	2.38E-04	1.24E-02	8.09E-05	1.22E-04	1.28E-02
736	490636.72	3860285.12	0.05049	0.40467	0.0128	0.03792	2.04E-04	1.21E-02	8.15E-05	1.20E-04	1.25E-02	1.86E-04	1.30E-08	1.09E-06	3.27E-06	1.90E-04	2.36E-04	1.21E-02	8.15E-05	1.20E-04	1.25E-02
737	490686.72	3860285.12	0.05014	0.39523	0.0129	0.03716	2.03E-04	1.18E-02	8.20E-05	1.17E-04	1.22E-02	1.84E-04	1.27E-08	1.09E-06	3.20E-06	1.89E-04	2.34E-04	1.18E-02	8.20E-05	1.17E-04	1.22E-02
738	490736.72	3860285.12	0.04976	0.38614	0.0129	0.03641	2.01E-04	1.15E-02	8.23E-05	1.15E-04	1.19E-02	1.83E-04	1.24E-08	1.10E-06	3.14E-06	1.87E-04	2.33E-04	1.15E-02	8.23E-05	1.15E-04	1.19E-02
739	490786.72	3860285.12	0.04938	0.37751	0.0129	0.03571	2.00E-04	1.13E-02	8.24E-05	1.13E-04	1.17E-02	1.82E-04	1.22E-08	1.10E-06	3.07E-06	1.86E-04	2.31E-04	1.13E-02	8.24E-05	1.13E-04	1.17E-02
740	490086.72	3860335.12	0.05009	0.54061	0.0113	0.04624	2.02E-04	1.61E-02	7.23E-05	1.46E-04	1.65E-02	1.84E-04	1.74E-08	9.64E-07	3.98E-06	1.89E-04	2.34E-04	1.61E-02	7.23E-05	1.46E-04	1.66E-02
741	490136.72	3860335.12	0.05039	0.52237	0.0114	0.04499	2.04E-04	1.56E-02	7.27E-05	1.42E-04	1.60E-02	1.85E-04	1.68E-08	9.70E-07	3.87E-06	1.90E-04	2.36E-04	1.56E-02	7.27E-05	1.42E-04	1.60E-02
742	490186.72	3860335.12	0.0506	0.50558	0.0115	0.04386	2.05E-04	1.51E-02	7.31E-05	1.38E-04	1.55E-02	1.86E-04	1.63E-08	9.75E-07	3.78E-06	1.91E-04	2.37E-04	1.51E-02	7.31E-05	1.38E-04	1.55E-02
743	490236.72	3860335.12	0.0508	0.48989	0.0116	0.04276	2.05E-04	1.46E-02	7.37E-05	1.35E-04	1.50E-02	1.87E-04	1.58E-08	9.82E-07	3.68E-06	1.91E-04	2.38E-04	1.46E-02	7.37E-05	1.35E-04	1.51E-02
744	490286.72	3860335.12	0.05088	0.47538	0.0116	0.04177	2.06E-04	1.42E-02	7.42E-05	1.32E-04	1.46E-02	1.87E-04	1.53E-08	9.89E-07	3.60E-06	1.92E-04	2.38E-04	1.42E-02	7.42E-05	1.32E-04	1.46E-02
745	490336.72	3860335.12	0.05089	0.46179	0.0117	0.04082	2.06E-04	1.38E-02	7.48E-05	1.29E-04	1.42E-02	1.87E-04	1.49E-08	9.98E-07	3.52E-06	1.92E-04	2.38E-04	1.38E-02	7.48E-05	1.29E-04	1.42E-02
746	490386.72	3860335.12	0.05086	0.44899	0.0119	0.03989	2.06E-04	1.34E-02	7.56E-05	1.26E-04	1.38E-02	1.87E-04	1.45E-08	1.01E-06	3.43E-06	1.91E-04	2.38E-04	1.34E-02	7.56E-05	1.26E-04	1.38E-02
747	490436.72	3860335.12	0.05076	0.43691	0.012	0.03901	2.05E-04	1.30E-02	7.64E-05	1.23E-04	1.34E-02	1.87E-04	1.41E-08	1.02E-06	3.36E-06	1.91E-04	2.37E-04	1.30E-02	7.64E-05	1.23E-04	1.35E-02
748	490486.72	3860335.12	0.05059	0.42542	0.0121	0.03816	2.04E-04	1.27E-02	7.72E-05	1.20E-04	1.31E-02	1.86E-04	1.37E-08	1.03E-06	3.29E-06	1.90E-04	2.37E-04	1.27E-02	7.72E-05	1.20E-04	1.31E-02
749	490536.72	3860335.12	0.05039	0.41461	0.0122	0.03734	2.04E-04	1.24E-02	7.80E-05	1.18E-04	1.28E-02	1.85E-04	1.34E-08	1.04E-06	3.22E-06	1.90E-04	2.36E-04	1.24E-02	7.80E-05	1.18E-04	1.28E-02
750	490586.72	3860335.12	0.0501	0.40423	0.0123	0.0365	2.03E-04	1.21E-02	7.87E-05	1.15E-04	1.25E-02	1.84E-04	1.30E-08	1.05E-06	3.14E-06	1.88E-04	2.34E-04	1.21E-02	7.87E-05	1.15E-04	1.25E-02
751	490636.72	3860335.12	0.0498	0.39447	0.0124	0.03573	2.01E-04	1.18E-02	7.93E-05	1.13E-04	1.22E-02	1.83E-04	1.27E-08	1.06E-06	3.08E-06	1.87E-04	2.33E-04	1.18E-02	7.93E-05	1.13E-04	1.22E-02
752	490686.72	3860335.12	0.04947	0.3852	0.0125	0.03502	2.00E-04	1.15E-02	7.99E-05	1.11E-04	1.19E-02	1.82E-04	1.24E-08	1.07E-06	3.02E-06	1.86E-04	2.31E-04	1.15E-02	7.99E-05	1.11E-04	1.19E-02
753	490736.72	3860335.12	0.04912	0.37639	0.0126	0.03435	1.99E-04	1.12E-02	8.03E-05	1.08E-04	1.16E-02	1.81E-04	1.21E-08	1.07E-06	2.96E-06	1.85E-04	2.30E-04	1.12E-02	8.03E-05	1.08E-04	1.16E-02
754	490786.72	3860335.12	0.0488	0.36814	0.0127	0.03376	1.97E-04	1.10E-02	8.07E-05	1.07E-04	1.14E-02	1.79E-04	1.19E-08	1.08E-06	2.91E-06	1.83E-04	2.28E-04	1.10E-02	8.07E-05	1.07E-04	1.14E-02
755	490086.72	3860385.12	0.04877	0.52565	0.0111	0.0427	1.97E-04	1.57E-02	7.09E-05	1.35E-04	1.61E-02	1.79E-04	1.69E-08	9.46E-07	3.68E-06	1.84E-04	2.28E-04	1.57E-02	7.09E-05	1.35E-04	1.61E-02
756	490136.72	3860385.12	0.04909	0.50769	0.0112	0.04165	1.98E-04	1.51E-02	7.13E-05	1.32E-04	1.55E-02	1.80E-04	1.64E-08	9.51E-07	3.59E-06	1.85E-04	2.30E-04	1.51E-02	7.13E-05	1.32E-04	1.56E-02
757	490186.72	3860385.12	0.0493	0.49121	0.0112	0.04069	1.99E-04	1.47E-02	7.15E-05	1.28E-04	1.51E-02	1.81E-04	1.58E-08	9.53E-07	3.50E-06	1.86E-04	2.31E-04	1.47E-02	7.15E-05	1.28E-04	1.51E-02
758	490236.72	3860385.12	0.04953	0.47588	0.0113	0.03977	2.00E-04	1.42E-02	7.19E-05	1.26E-04	1.46E-02	1.82E-04	1.53E-08	9.58E-07	3.42E-06	1.86E-04	2.32E-04	1.42E-02	7.19E-05	1.26E-04	1.46E-02
759	490286.72	3860385.12	0.04968	0.46165	0.0113	0.0389	2.01E-04	1.38E-02	7.23E-05	1.23E-04	1.42E-02	1.83E-04	1.49E-08	9.64E-07	3.35E-06	1.87E-04	2.32E-04	1.38E-02	7.23E-05	1.23E-04	1.42E-02
760	490336.72	3860385.12	0.04977	0.44836	0.0114	0.03807	2.01E-04	1.34E-02	7.28E-05	1.20E-04	1.38E-02	1.83E-04	1.45E-08	9.71E-07	3.28E-06	1.87E-04	2.33E-04	1.34E-02	7.28E-05	1.20E-04	1.38E-02
761	490386.72	3860385.12	0.04979	0.43586	0.0115	0.03728	2.01E-04	1.30E-02	7.34E-05	1.18E-04	1.34E-02	1.83E-04	1.40E-08	9.79E-07	3.21E-06	1.87E-04	2.33E-04	1.30E-02	7.34E-05	1.18E-04	1.34E-02
762	490436.72	3860385.12	0.04977	0.42407	0.0116	0.03651	2.01E-04	1.27E-02	7.41E-05	1.15E-04	1.30E-02	1.83E-04	1.37E-08	9.88E-07	3.14E-06	1.87E-04	2.33E-04	1.27E-02	7.41E-05	1.15E-04	1.31E-02
763	490486.72	3860385.12	0.0497	0.413	0.0118	0.03578	2.01E-04	1.23E-02	7.49E-05	1.13E-04	1.27E-02	1.83E-04	1.33E-08	9.99E-07	3.08E-06	1.87E-04	2.32E-04	1.23E-02	7.49E-05	1.13E-04	1.27E-02
764	490536.72	3860385.12	0.04956	0.40251	0.0119	0.03504	2.00E-04	1.20E-02	7.58E-05	1.11E-04	1.24E-02	1.82E-04	1.30E-08	1.01E-06	3.02E-06	1.86E-04	2.32E-04	1.20E-02	7.58E-05	1.11E-04	1.24E-02
765	490586.72	3860385.12	0.04935	0.39257	0.012	0.03433	1.99E-04	1.17E-02	7.65E-05	1.08E-04	1.21E-02	1.81E-04	1.27E-08	1.02E-06	2.96E-06	1.85E-04	2.31E-04	1.17E-02	7.65E-05	1.08E-04	1.21E-02
766	490636.72	3860385.12	0.04909	0.38309	0.0121	0.03363	1.98E-04	1.14E-02	7.72E-05	1.06E-04	1.18E-02	1.80E-04	1.23E-08	1.03E-06	2.90E-06	1.84E-04	2.30E-04	1.14E-02	7.72E-05	1.06E-04	1.18E-02
767	490686.72	3860385.12	0.04882	0.3742	0.0122	0.033	1.97E-04	1.12E-02	7.78E-05	1.04E-04	1.15E-02	1.79E-04	1.21E-08	1.04E-06	2.84E-06	1.83E-04	2.28E-04	1.12E-02	7.78E-05	1.04E-04	1.16E-02
768	490736.72	3860385.12	0.04847	0.36561	0.0123	0.03237	1.96E-04	1.09E-02	7.83E-05	1.02E-04	1.13E-02	1.78E-04	1.18E-08	1.04E-06	2.79E-06	1.82E-04	2.27E-04	1.09E-02	7.83E-05	1.02E-04	1.13E-02
769	490786.72	3860385.12	0.04813	0.35751	0.0123	0.03179	1.95E-04	1.07E-02	7.86E-05	1.00E-04	1.10E-02	1.77E-04	1.15E-08	1.05E-06	2.74E-06	1.81E-04	2.25E-04	1.07E-02	7.86E-05	1.00E-04	1.11E-02
770	490136.72	3860435.12	0.04776	0.48984	0.011	0.03842	1.93E-04	1.46E-02	6.98E-05	1.21E-04	1.50E-02	1.76E-04	1.58E-08	9.31E-07	3.31E-06	1.80E-04	2.23E-04	1.46E-02	6.98E-05	1.21E-04	1.50E-02
771	490186.72	3860435.12	0.04804	0.47398	0.011	0.03759	1.94E-04	1.41E-02	7.01E-05	1.19E-04	1.45E-02	1.77E-04	1.53E-08	9.35E-07	3.24E-06	1.81E-04	2.25E-04	1.41E-02	7.01E-05	1.19E-04	1.46E-02
772	490236.72	3860435.12	0.04828	0.45931	0.011	0.03681	1.95E-04	1.37E-02	7.04E-05	1.16E-04	1.41E-02	1.78E-04	1.48E-08	9.38E-07	3.17E-06	1.82E-04	2.26E-04	1.37E-02	7.04E-05	1.16E-04	1.41E-02
773	490286.72	3860435.12	0.04847	0.44567	0.0111	0.03608	1.96E-04	1.33E-02	7.06E-05	1.14E-04	1.37E-02	1.78E-04	1.44E-08	9.41E-07	3.11E-06	1.82E-04	2.27E-04	1.33E-02	7.06E-05	1.14E-04	1.37E-02
774	490336.72	3860435.12	0.04859	0.43284	0.0111	0.03537	1.96E-04	1.29E-02	7.10E-05	1.12E-04	1.33E-02	1.79E-04	1.40E-08	9.47E-07	3.05E-06	1.83E-04	2.27E-04	1.29E-02	7.10E-05	1.12E-04	1.33E-02
775	490386.72	3860435.12	0.04869	0.42088	0.0112	0.03469	1.97E-04	1.26E-02	7.15E-05	1.10E-04	1.29E-02	1.79E-04	1.36E-08	9.53E-07	2.99E-06	1.83E-04	2.28E-04	1.26E-02	7.15E-05	1.10E-04	1.30E-02
776	490436.72	3860435.12	0.04873	0.40963	0.0113	0.03402	1.97E-04	1.22E-02	7.21E-05	1.07E-04	1.26E-02	1.79E-04	1.32E-08	9.61E-07	2.93E-06	1.83E-04	2.28E-04	1.22E-02	7.21E-05	1.07E-04	1.26E-02
777	490486.72	3860435.12	0.04872	0.39904	0.0114	0.03337	1.97E-04	1.19E-02	7.28E-05	1.05E-04	1.23E-02	1.79E-04	1.29E-08	9.70E-07	2.87E-06	1.83E-04	2.28E-04	1.19E-02	7.28E-05	1.05E-04	1.23E-02
778	490536.72	3860435.12	0.04866	0.38909	0.0115	0.03276	1.97E-04	1.16E-02	7.35E-05	1.03E-04	1.20E-02	1.79E-04	1.25E-08	9.81E-07	2.82E-06	1.83E-04	2.28E-04	1.16E-02	7.35E-05	1.03E-04	1.20E-02
779	490586.72	3860435.12	0.04851	0.3796	0.0117	0.03214	1.96E-04	1.13E-02	7.43E-05	1.01E-04	1.17E-02	1.78E-04	1.22E-08	9.91E-07	2.77E-06	1.82E-04	2.27E-04	1.13E-02	7.43E-05	1.01E-04	1.17E-02
780	490636.72	3860435.12	0.04831	0.37058	0.0118	0.03154	1.95E-04	1.11E-02	7.50E-05	9.96E-05	1.14E-02	1.78E-04	1.19E-08	1.00E-06	2.72E-06	1.81E-04	2.26E-04	1.11E-02	7.50E-05	9.96E-05	1.15E-02
781	490686.72	3860435.12	0.04809	0.36209	0.0119	0.031	1.94E-04	1.08E-02	7.57E-05	9.79E-05	1.12E-02	1.77E-04	1.17E-08	1.01E-06	2.67E-06	1.80E-04	2.25E-04	1.08E-02	7.57E-05	9.79E-05	1.12E-02
782	490736.72	3860435.12	0.04784	0.35411	0.012	0.03049	1.93E-04	1.06E-02	7.64E-05	9.63E-05	1.09E-02	1.76E-04	1.14E-08	1.02E-06	2.63E-06	1.80E-04	2.24E-04	1.06E-02	7.64E-05	9.63E-05	1.10E-02
783	490786.72	3860435.12	0.04752	0.34633	0.012	0.02997	1.92E-04	1.03E-02	7.68E-05	9.46E-05	1.07E-02	1.75E-04	1.12E-08	1.02E-06	2.58E-06	1.78E-04	2.22E-04	1.03E-02	7.68E-05	9.46E-05	1.07E-02
784	490136.72	3860485.12	0.04656	0.46918	0.0108	0.03537	1.88E-04	1.40E-02	6.88E-05	1.12E-04	1.44E-02	1.71E-04	1.51E-08	9.17E-07	3.05E-06	1.75E-04	2.18E-04	1.40E-02	6.88E-05	1.12E-04	1.44E-02
785	490186.72	3860485.12	0.04681	0.45437	0.0108	0.03467	1.89E-04	1.36E-02	6.89E-05	1.09E-04	1.39E-02	1.72E-04	1.46E-08	9.19E-07	2.99E-06	1.76E-04	2.19E-04	1.36E-02	6.89E-05	1.09E-04	1.40E-02
786	490236.72	3860485.12	0.04703	0.44054	0.0108	0.03402	1.90E-04	1.31E-02	6.90E-05	1.07E-04	1.35E-02	1.73E-04	1.42E-08	9.19E-07	2.93E-06	1.77E-04	2.20E-04	1.31E-02	6.90E-05	1.07E-04	1.35E-02
787	490286.72	3860485.12	0.04727	0.42776	0.0109	0.03339	1.91E-04	1.28E-02	6.92E-05	1.05E-04	1.31E-02	1.74E-04	1.38E-08	9.23E-07	2.88E-06	1.78E-04	2.21E-04	1.28E-02	6.92E-05	1.05E-04	1.32E-02
788	490336.72	3860485.12	0.04743	0.41571	0.0109	0.03277	1.92E-04	1.24E-02	6.94E-05	1.03E-04	1.28E-02	1.74E-04	1.34E-08	9.25E-07	2.82E-06	1.78E-04	2.22E-04	1.24E-02	6.94E-05	1.03E-04	1.28E-02
789	490386.72	3860485.12	0.04759	0.40452	0.0109	0.03219	1.92E-04	1.21E-02	6.98E-05	1.02E-04	1.24E-02	1.75E-04	1.30E-08	9.30E-07	2.77E-06	1.79E-04	2.23E-04	1.21E-02	6.98E-05	1.02E-04	1.25E-02

790	490436.72	3860485.12	0.04773	0.3941	0.011	0.03167	1.93E-04	1.18E-02	7.04E-05	1.00E-04	1.21E-02	1.75E-04	1.27E-08	9.38E-07	2.73E-06	1.79E-04	2.23E-04	1.18E-02	7.04E-05	1.00E-04	1.22E-02
791	490486.72	3860485.12	0.04775	0.3841	0.0111	0.03108	1.93E-04	1.15E-02	7.09E-05	9.81E-05	1.18E-02	1.76E-04	1.24E-08	9.45E-07	2.68E-06	1.79E-04	2.23E-04	1.15E-02	7.09E-05	9.81E-05	1.19E-02
792	490536.72	3860485.12	0.04771	0.37462	0.0112	0.03052	1.93E-04	1.12E-02	7.14E-05	9.64E-05	1.15E-02	1.75E-04	1.21E-08	9.53E-07	2.63E-06	1.79E-04	2.23E-04	1.12E-02	7.14E-05	9.64E-05	1.16E-02
793	490586.72	3860485.12	0.04763	0.36567	0.0113	0.02999	1.93E-04	1.09E-02	7.21E-05	9.47E-05	1.13E-02	1.75E-04	1.18E-08	9.62E-07	2.58E-06	1.79E-04	2.23E-04	1.09E-02	7.21E-05	9.47E-05	1.13E-02
794	490636.72	3860485.12	0.04752	0.35732	0.0114	0.02952	1.92E-04	1.07E-02	7.29E-05	9.32E-05	1.10E-02	1.75E-04	1.15E-08	9.72E-07	2.54E-06	1.78E-04	2.22E-04	1.07E-02	7.29E-05	9.32E-05	1.10E-02
795	490686.72	3860485.12	0.04732	0.34922	0.0115	0.02903	1.91E-04	1.04E-02	7.35E-05	9.17E-05	1.08E-02	1.74E-04	1.13E-08	9.81E-07	2.50E-06	1.77E-04	2.21E-04	1.04E-02	7.35E-05	9.17E-05	1.08E-02
796	490736.72	3860485.12	0.04712	0.34169	0.0116	0.02859	1.90E-04	1.02E-02	7.42E-05	9.03E-05	1.05E-02	1.73E-04	1.10E-08	9.90E-07	2.46E-06	1.77E-04	2.20E-04	1.02E-02	7.42E-05	9.03E-05	1.06E-02
797	490786.72	3860485.12	0.04687	0.33447	0.0117	0.02817	1.89E-04	9.98E-03	7.49E-05	8.89E-05	1.03E-02	1.72E-04	1.08E-08	9.98E-07	2.43E-06	1.76E-04	2.19E-04	9.98E-03	7.49E-05	8.89E-05	1.04E-02
798	490136.72	3860535.12	0.04537	0.44639	0.0106	0.03257	1.83E-04	1.33E-02	6.76E-05	1.03E-04	1.37E-02	1.67E-04	1.44E-08	9.01E-07	2.80E-06	1.71E-04	2.12E-04	1.33E-02	6.76E-05	1.03E-04	1.37E-02
799	490186.72	3860535.12	0.04571	0.433	0.0107	0.03198	1.85E-04	1.29E-02	6.79E-05	1.01E-04	1.33E-02	1.68E-04	1.40E-08	9.06E-07	2.75E-06	1.72E-04	2.14E-04	1.29E-02	6.79E-05	1.01E-04	1.33E-02
800	490236.72	3860535.12	0.04584	0.42026	0.0106	0.03142	1.85E-04	1.25E-02	6.78E-05	9.92E-05	1.29E-02	1.69E-04	1.35E-08	9.04E-07	2.71E-06	1.72E-04	2.14E-04	1.25E-02	6.78E-05	9.92E-05	1.29E-02
801	490286.72	3860535.12	0.04605	0.40841	0.0106	0.03085	1.86E-04	1.22E-02	6.79E-05	9.74E-05	1.25E-02	1.69E-04	1.32E-08	9.05E-07	2.66E-06	1.73E-04	2.15E-04	1.22E-02	6.79E-05	9.74E-05	1.26E-02
802	490336.72	3860535.12	0.04627	0.39744	0.0107	0.03034	1.87E-04	1.19E-02	6.81E-05	9.58E-05	1.22E-02	1.70E-04	1.28E-08	9.07E-07	2.61E-06	1.74E-04	2.16E-04	1.19E-02	6.81E-05	9.58E-05	1.22E-02
803	490386.72	3860535.12	0.04649	0.38723	0.0107	0.02987	1.88E-04	1.16E-02	6.84E-05	9.43E-05	1.19E-02	1.71E-04	1.25E-08	9.12E-07	2.57E-06	1.74E-04	2.17E-04	1.16E-02	6.84E-05	9.43E-05	1.19E-02
804	490436.72	3860535.12	0.04667	0.3776	0.0108	0.02941	1.89E-04	1.13E-02	6.88E-05	9.29E-05	1.16E-02	1.72E-04	1.22E-08	9.17E-07	2.53E-06	1.75E-04	2.18E-04	1.13E-02	6.88E-05	9.29E-05	1.16E-02
805	490486.72	3860535.12	0.04678	0.36846	0.0109	0.02895	1.89E-04	1.10E-02	6.92E-05	9.14E-05	1.13E-02	1.72E-04	1.19E-08	9.23E-07	2.49E-06	1.75E-04	2.19E-04	1.10E-02	6.92E-05	9.14E-05	1.14E-02
806	490536.72	3860535.12	0.04694	0.36011	0.011	0.02861	1.90E-04	1.07E-02	7.00E-05	9.03E-05	1.11E-02	1.73E-04	1.16E-08	9.34E-07	2.46E-06	1.76E-04	2.20E-04	1.07E-02	7.00E-05	9.03E-05	1.11E-02
807	490586.72	3860535.12	0.04676	0.35134	0.011	0.028	1.89E-04	1.05E-02	7.03E-05	8.84E-05	1.08E-02	1.72E-04	1.13E-08	9.37E-07	2.41E-06	1.75E-04	2.19E-04	1.05E-02	7.03E-05	8.84E-05	1.09E-02
808	490636.72	3860535.12	0.04667	0.34343	0.0111	0.02756	1.89E-04	1.02E-02	7.09E-05	8.70E-05	1.06E-02	1.72E-04	1.11E-08	9.45E-07	2.37E-06	1.75E-04	2.18E-04	1.02E-02	7.09E-05	8.70E-05	1.06E-02
809	490686.72	3860535.12	0.04656	0.33602	0.0112	0.02716	1.88E-04	1.00E-02	7.16E-05	8.58E-05	1.04E-02	1.71E-04	1.08E-08	9.54E-07	2.34E-06	1.74E-04	2.18E-04	1.00E-02	7.16E-05	8.58E-05	1.04E-02
810	490736.72	3860535.12	0.04638	0.32885	0.0113	0.02676	1.87E-04	9.81E-03	7.22E-05	8.45E-05	1.02E-02	1.71E-04	1.06E-08	9.63E-07	2.30E-06	1.74E-04	2.17E-04	9.81E-03	7.22E-05	8.45E-05	1.02E-02
811	490786.72	3860535.12	0.04619	0.32219	0.0114	0.02641	1.87E-04	9.61E-03	7.29E-05	8.34E-05	9.96E-03	1.70E-04	1.04E-08	9.72E-07	2.27E-06	1.73E-04	2.16E-04	9.61E-03	7.29E-05	8.34E-05	9.98E-03
812	490136.72	3860585.12	0.04433	0.42253	0.0105	0.03001	1.79E-04	1.26E-02	6.67E-05	9.48E-05	1.29E-02	1.63E-04	1.36E-08	8.90E-07	2.58E-06	1.66E-04	2.07E-04	1.26E-02	6.67E-05	9.48E-05	1.30E-02
813	490186.72	3860585.12	0.04431	0.40961	0.0104	0.02935	1.79E-04	1.22E-02	6.63E-05	9.27E-05	1.26E-02	1.63E-04	1.32E-08	8.84E-07	2.53E-06	1.66E-04	2.07E-04	1.22E-02	6.63E-05	9.27E-05	1.26E-02
814	490236.72	3860585.12	0.04462	0.39872	0.0104	0.02894	1.80E-04	1.19E-02	6.66E-05	9.14E-05	1.22E-02	1.64E-04	1.29E-08	8.88E-07	2.49E-06	1.67E-04	2.09E-04	1.19E-02	6.66E-05	9.14E-05	1.23E-02
815	490286.72	3860585.12	0.04489	0.38835	0.0105	0.02852	1.81E-04	1.16E-02	6.67E-05	9.00E-05	1.19E-02	1.65E-04	1.25E-08	8.90E-07	2.46E-06	1.68E-04	2.10E-04	1.16E-02	6.67E-05	9.00E-05	1.20E-02
816	490336.72	3860585.12	0.04511	0.37841	0.0105	0.02808	1.82E-04	1.13E-02	6.68E-05	8.87E-05	1.16E-02	1.66E-04	1.22E-08	8.90E-07	2.42E-06	1.69E-04	2.11E-04	1.13E-02	6.68E-05	8.87E-05	1.17E-02
817	490386.72	3860585.12	0.04532	0.36904	0.0105	0.02765	1.83E-04	1.10E-02	6.70E-05	8.73E-05	1.13E-02	1.67E-04	1.19E-08	8.93E-07	2.38E-06	1.70E-04	2.12E-04	1.10E-02	6.70E-05	8.73E-05	1.14E-02
818	490436.72	3860585.12	0.04565	0.3607	0.0106	0.02738	1.85E-04	1.08E-02	6.75E-05	8.64E-05	1.11E-02	1.68E-04	1.16E-08	9.00E-07	2.36E-06	1.71E-04	2.13E-04	1.08E-02	6.75E-05	8.64E-05	1.11E-02
819	490486.72	3860585.12	0.04591	0.35262	0.0107	0.02704	1.86E-04	1.05E-02	6.81E-05	8.54E-05	1.09E-02	1.69E-04	1.14E-08	9.07E-07	2.33E-06	1.72E-04	2.15E-04	1.05E-02	6.81E-05	8.54E-05	1.09E-02
820	490536.72	3860585.12	0.04596	0.34463	0.0107	0.02666	1.86E-04	1.03E-02	6.84E-05	8.42E-05	1.06E-02	1.69E-04	1.11E-08	9.12E-07	2.30E-06	1.72E-04	2.15E-04	1.03E-02	6.84E-05	8.42E-05	1.06E-02
821	490586.72	3860585.12	0.04578	0.33632	0.0107	0.02607	1.85E-04	1.00E-02	6.84E-05	8.23E-05	1.04E-02	1.68E-04	1.08E-08	9.12E-07	2.24E-06	1.71E-04	2.14E-04	1.00E-02	6.84E-05	8.23E-05	1.04E-02
822	490636.72	3860585.12	0.04579	0.32918	0.0108	0.02572	1.85E-04	9.82E-03	6.90E-05	8.12E-05	1.02E-02	1.68E-04	1.06E-08	9.20E-07	2.21E-06	1.71E-04	2.14E-04	9.82E-03	6.90E-05	8.12E-05	1.02E-02
823	490686.72	3860585.12	0.04573	0.32233	0.0109	0.02537	1.85E-04	9.62E-03	6.97E-05	8.01E-05	9.95E-03	1.68E-04	1.04E-08	9.29E-07	2.18E-06	1.71E-04	2.14E-04	9.62E-03	6.97E-05	8.01E-05	9.98E-03
824	490736.72	3860585.12	0.04562	0.31582	0.011	0.02504	1.84E-04	9.42E-03	7.03E-05	7.91E-05	9.76E-03	1.68E-04	1.02E-08	9.37E-07	2.16E-06	1.71E-04	2.13E-04	9.42E-03	7.03E-05	7.91E-05	9.78E-03
825	490786.72	3860585.12	0.04545	0.30952	0.0111	0.02471	1.84E-04	9.23E-03	7.09E-05	7.80E-05	9.57E-03	1.67E-04	9.98E-09	9.46E-07	2.13E-06	1.70E-04	2.13E-04	9.23E-03	7.09E-05	7.80E-05	9.60E-03
826	490136.72	3860635.12	0.04343	0.39792	0.0104	0.02764	1.76E-04	1.19E-02	6.61E-05	8.73E-05	1.22E-02	1.60E-04	1.28E-08	8.81E-07	2.38E-06	1.63E-04	2.03E-04	1.19E-02	6.61E-05	8.73E-05	1.22E-02
827	490186.72	3860635.12	0.04346	0.38749	0.0103	0.02724	1.76E-04	1.16E-02	6.58E-05	8.60E-05	1.19E-02	1.60E-04	1.25E-08	8.78E-07	2.35E-06	1.63E-04	2.03E-04	1.16E-02	6.58E-05	8.60E-05	1.19E-02
828	490236.72	3860635.12	0.04351	0.37705	0.0103	0.02672	1.76E-04	1.12E-02	6.56E-05	8.44E-05	1.16E-02	1.60E-04	1.22E-08	8.74E-07	2.30E-06	1.63E-04	2.03E-04	1.12E-02	6.56E-05	8.44E-05	1.16E-02
829	490286.72	3860635.12	0.04372	0.36766	0.0103	0.02632	1.77E-04	1.10E-02	6.56E-05	8.31E-05	1.13E-02	1.61E-04	1.18E-08	8.74E-07	2.27E-06	1.64E-04	2.04E-04	1.10E-02	6.56E-05	8.31E-05	1.13E-02
830	490336.72	3860635.12	0.04397	0.35898	0.0103	0.02598	1.78E-04	1.07E-02	6.57E-05	8.20E-05	1.10E-02	1.62E-04	1.16E-08	8.76E-07	2.24E-06	1.65E-04	2.06E-04	1.07E-02	6.57E-05	8.20E-05	1.11E-02
831	490386.72	3860635.12	0.04421	0.35072	0.0103	0.02564	1.79E-04	1.05E-02	6.58E-05	8.10E-05	1.08E-02	1.63E-04	1.13E-08	8.77E-07	2.21E-06	1.66E-04	2.07E-04	1.05E-02	6.58E-05	8.10E-05	1.08E-02
832	490436.72	3860635.12	0.04441	0.34279	0.0103	0.02529	1.80E-04	1.02E-02	6.59E-05	7.98E-05	1.06E-02	1.63E-04	1.10E-08	8.79E-07	2.18E-06	1.66E-04	2.08E-04	1.02E-02	6.59E-05	7.98E-05	1.06E-02
833	490486.72	3860635.12	0.0446	0.33537	0.0104	0.02498	1.80E-04	1.00E-02	6.61E-05	7.89E-05	1.03E-02	1.64E-04	1.08E-08	8.82E-07	2.15E-06	1.67E-04	2.09E-04	1.00E-02	6.61E-05	7.89E-05	1.04E-02
834	490536.72	3860635.12	0.04482	0.3285	0.0104	0.02472	1.81E-04	9.80E-03	6.66E-05	7.81E-05	1.01E-02	1.65E-04	1.06E-08	8.88E-07	2.13E-06	1.68E-04	2.10E-04	9.80E-03	6.66E-05	7.81E-05	1.02E-02
835	490586.72	3860635.12	0.04484	0.32138	0.0105	0.02434	1.81E-04	9.59E-03	6.68E-05	7.69E-05	9.91E-03	1.65E-04	1.04E-08	8.91E-07	2.10E-06	1.68E-04	2.10E-04	9.59E-03	6.68E-05	7.69E-05	9.94E-03
836	490636.72	3860635.12	0.0449	0.31492	0.0106	0.02404	1.81E-04	9.40E-03	6.74E-05	7.59E-05	9.72E-03	1.65E-04	1.02E-08	8.98E-07	2.07E-06	1.68E-04	2.10E-04	9.40E-03	6.74E-05	7.59E-05	9.75E-03
837	490686.72	3860635.12	0.0449	0.30866	0.0106	0.02374	1.81E-04	9.21E-03	6.79E-05	7.50E-05	9.53E-03	1.65E-04	9.95E-09	9.05E-07	2.04E-06	1.68E-04	2.10E-04	9.21E-03	6.79E-05	7.50E-05	9.56E-03
838	490736.72	3860635.12	0.0448	0.30251	0.0107	0.02342	1.81E-04	9.02E-03	6.84E-05	7.39E-05	9.35E-03	1.65E-04	9.75E-09	9.12E-07	2.02E-06	1.68E-04	2.10E-04	9.02E-03	6.84E-05	7.39E-05	9.38E-03
839	490786.72	3860635.12	0.04471	0.29684	0.0108	0.02315	1.81E-04	8.86E-03	6.90E-05	7.31E-05	9.18E-03	1.64E-04	9.57E-09	9.20E-07	1.99E-06	1.67E-04	2.09E-04	8.86E-03	6.90E-05	7.31E-05	9.21E-03
840	490136.72	3860685.12	0.04233	0.3735	0.0102	0.0255	1.71E-04	1.11E-02	6.48E-05	8.05E-05	1.15E-02	1.56E-04	1.20E-08	8.64E-07	2.20E-06	1.59E-04	1.98E-04	1.11E-02	6.48E-05	8.05E-05	1.15E-02
841	490186.72	3860685.12	0.04268	0.36441	0.0103	0.0251	1.73E-04	1.09E-02	6.54E-05	7.93E-05	1.12E-02	1.57E-04	1.17E-08	8.73E-07	2.16E-06	1.60E-04	2.00E-04	1.09E-02	6.54E-05	7.93E-05	1.12E-02
842	490236.72	3860685.12	0.04264	0.35601	0.0102	0.02482	1.72E-04	1.06E-02	6.50E-05	7.84E-05	1.09E-02	1.57E-04	1.15E-08	8.67E-07	2.14E-06	1.60E-04	1.99E-04	1.06E-02	6.50E-05	7.84E-05	1.10E-02
843	490286.72	3860685.12	0.04258	0.34684	0.0101	0.02428	1.72E-04	1.03E-02	6.45E-05	7.67E-05	1.07E-02	1.57E-04	1.12E-08	8.60E-07	2.09E-06	1.60E-04	1.99E-04	1.03E-02	6.45E-05	7.67E-05	1.07E-02
844	490336.72	3860685.12	0.04288	0.33956	0.0101	0.02404	1.73E-04	1.01E-02	6.47E-05	7.59E-05	1.04E-02	1.58E-04	1.09E-08	8.62E-07	2.07E-06	1.61E-04	2.01E-04	1.01E-02	6.47E-05	7.59E-05	1.05E-02
845	490386.72	3860685.12	0.04311	0.33232	0.0102	0.02376	1.74E-04	9.91E-03	6.47E-05	7.50E-05	1.02E-02	1.58E-04	1.07E-08	8.63E-07	2.05E-06	1.61E-04	2.02E-04	9.91E-03	6.47E-05	7.50E-05	1.03E-02
846	490436.72	3860685.12	0.04329	0.32517	0.0102	0.02345	1.75E-04	9.70E-03	6.47E-05	7.40E-05	1.00E-02	1.59E-04	1.05E-08	8.63E-07	2.02E-06	1.62E-04	2.02E-04	9.70E-03	6.47E-05	7.40E-05	1.00E-02
847	490486.72	3860685.12	0.04345	0.31833	0.0102	0.02315	1.76E-04	9.50E-03	6.47E-05	7.31E-05	9.81E-03	1.60E-04	1.03E-08	8.63E-07	1.99E-06	1.63E-04	2.03E-04	9.50E-03	6.47E-05	7.31E-05	9.84E-03
848	490536.72	3860685.12	0.04365	0.31209	0.0102	0.02291	1.76E-04	9.31E-03	6.50E-05	7.23E-05	9.62E-03	1.60E-04	1.01E-08	8.67E-07	1.97E-06	1.63E-04	2.04E-04	9.31E-03	6.50E-05	7.23E-05	9.65E-03
849	490586.72	3860685.12	0.04381	0.30608	0.0102	0.02267	1.77E-04	9.13E-03	6.53E-05	7.16E-05	9.45E-03	1.61E-04	9.87E-09	8.71E-07	1.95E-06	1.64E-04	2.05E-04	9.13E-03	6.53E-05	7.16E-05	9.47E-03
850	490636.72	3860685.12	0.04395	0.30041	0.0103	0.02244	1.78E-04	8.96E-03	6.58E-05	7.09E-05	9.28E-03	1.62E-04	9.68E-09	8.77E-07	1.93E-06	1.64E-04	2.06E-04	8.96E-03	6.58E-05	7.09E-05	9.30E-03

851	490686.72	3860685.12	0.04404	0.295	0.0104	0.02223	1.78E-04	8.80E-03	6.63E-05	7.02E-05	9.12E-03	1.62E-04	9.51E-09	8.84E-07	1.91E-06	1.65E-04	2.06E-04	8.80E-03	6.63E-05	7.02E-05	9.14E-03
852	490736.72	3860685.12	0.04402	0.28951	0.0105	0.02197	1.78E-04	8.64E-03	6.68E-05	6.94E-05	8.95E-03	1.62E-04	9.33E-09	8.90E-07	1.89E-06	1.65E-04	2.06E-04	8.64E-03	6.68E-05	6.94E-05	8.98E-03
853	490786.72	3860685.12	0.04403	0.28461	0.0106	0.02178	1.78E-04	8.49E-03	6.74E-05	6.88E-05	8.81E-03	1.62E-04	9.17E-09	8.99E-07	1.88E-06	1.65E-04	2.06E-04	8.49E-03	6.74E-05	6.88E-05	8.83E-03
854	490136.72	3860735.12	0.04112	0.34824	0.0099	0.02335	1.66E-04	1.04E-02	6.31E-05	7.37E-05	1.07E-02	1.51E-04	1.12E-08	8.42E-07	2.01E-06	1.54E-04	1.92E-04	1.04E-02	6.31E-05	7.37E-05	1.07E-02
855	490186.72	3860735.12	0.0412	0.34047	0.0099	0.02299	1.67E-04	1.02E-02	6.33E-05	7.26E-05	1.05E-02	1.51E-04	1.10E-08	8.44E-07	1.98E-06	1.54E-04	1.93E-04	1.02E-02	6.33E-05	7.26E-05	1.05E-02
856	490236.72	3860735.12	0.04135	0.33328	0.0099	0.02269	1.67E-04	9.94E-03	6.34E-05	7.16E-05	1.02E-02	1.52E-04	1.07E-08	8.45E-07	1.95E-06	1.55E-04	1.93E-04	9.94E-03	6.34E-05	7.16E-05	1.03E-02
857	490286.72	3860735.12	0.04154	0.32652	0.01	0.02243	1.68E-04	9.74E-03	6.35E-05	7.08E-05	1.00E-02	1.53E-04	1.05E-08	8.47E-07	1.93E-06	1.56E-04	1.94E-04	9.74E-03	6.35E-05	7.08E-05	1.01E-02
858	490336.72	3860735.12	0.04175	0.31997	0.01	0.02218	1.69E-04	9.55E-03	6.36E-05	7.00E-05	9.85E-03	1.53E-04	1.03E-08	8.48E-07	1.91E-06	1.56E-04	1.95E-04	9.55E-03	6.36E-05	7.00E-05	9.87E-03
859	490386.72	3860735.12	0.04201	0.31391	0.01	0.02198	1.70E-04	9.36E-03	6.37E-05	6.94E-05	9.67E-03	1.54E-04	1.01E-08	8.49E-07	1.89E-06	1.57E-04	1.96E-04	9.37E-03	6.37E-05	6.94E-05	9.69E-03
860	490436.72	3860735.12	0.04236	0.30842	0.01	0.02186	1.71E-04	9.20E-03	6.40E-05	6.90E-05	9.51E-03	1.56E-04	9.94E-09	8.53E-07	1.88E-06	1.58E-04	1.98E-04	9.20E-03	6.40E-05	6.90E-05	9.53E-03
861	490486.72	3860735.12	0.0425	0.3023	0.01	0.02159	1.72E-04	9.02E-03	6.38E-05	6.82E-05	9.32E-03	1.56E-04	9.74E-09	8.51E-07	1.86E-06	1.59E-04	1.99E-04	9.02E-03	6.38E-05	6.82E-05	9.35E-03
862	490536.72	3860735.12	0.04257	0.29607	0.01	0.02128	1.72E-04	8.83E-03	6.37E-05	6.72E-05	9.14E-03	1.57E-04	9.54E-09	8.50E-07	1.83E-06	1.59E-04	1.99E-04	8.83E-03	6.37E-05	6.72E-05	9.16E-03
863	490586.72	3860735.12	0.04273	0.29063	0.01	0.02107	1.73E-04	8.67E-03	6.39E-05	6.65E-05	8.97E-03	1.57E-04	9.37E-09	8.52E-07	1.81E-06	1.60E-04	2.00E-04	8.67E-03	6.39E-05	6.65E-05	9.00E-03
864	490636.72	3860735.12	0.04288	0.28553	0.0101	0.02088	1.73E-04	8.52E-03	6.42E-05	6.59E-05	8.82E-03	1.58E-04	9.20E-09	8.56E-07	1.80E-06	1.60E-04	2.01E-04	8.52E-03	6.42E-05	6.59E-05	8.85E-03
865	490686.72	3860735.12	0.04306	0.28094	0.0101	0.02074	1.74E-04	8.38E-03	6.47E-05	6.55E-05	8.69E-03	1.58E-04	9.05E-09	8.62E-07	1.79E-06	1.61E-04	2.01E-04	8.38E-03	6.47E-05	6.55E-05	8.71E-03
866	490736.72	3860735.12	0.04319	0.27647	0.0102	0.02059	1.75E-04	8.25E-03	6.53E-05	6.50E-05	8.55E-03	1.59E-04	8.91E-09	8.70E-07	1.77E-06	1.61E-04	2.02E-04	8.25E-03	6.53E-05	6.50E-05	8.58E-03
867	490136.72	3860785.12	0.04007	0.32365	0.0097	0.02144	1.62E-04	9.66E-03	6.17E-05	6.77E-05	9.95E-03	1.47E-04	1.04E-08	8.23E-07	1.85E-06	1.50E-04	1.87E-04	9.66E-03	6.17E-05	6.77E-05	9.97E-03
868	490186.72	3860785.12	0.04018	0.31767	0.0097	0.02119	1.62E-04	9.48E-03	6.21E-05	6.69E-05	9.77E-03	1.48E-04	1.02E-08	8.28E-07	1.82E-06	1.50E-04	1.88E-04	9.48E-03	6.21E-05	6.69E-05	9.79E-03
869	490236.72	3860785.12	0.04031	0.31178	0.0098	0.02094	1.63E-04	9.30E-03	6.23E-05	6.61E-05	9.59E-03	1.48E-04	1.00E-08	8.31E-07	1.80E-06	1.51E-04	1.89E-04	9.30E-03	6.23E-05	6.61E-05	9.62E-03
870	490286.72	3860785.12	0.04048	0.30613	0.0098	0.02071	1.64E-04	9.13E-03	6.24E-05	6.54E-05	9.42E-03	1.49E-04	9.87E-09	8.33E-07	1.78E-06	1.51E-04	1.89E-04	9.13E-03	6.24E-05	6.54E-05	9.45E-03
871	490336.72	3860785.12	0.04066	0.30061	0.0098	0.0205	1.64E-04	8.97E-03	6.25E-05	6.47E-05	9.26E-03	1.49E-04	9.69E-09	8.33E-07	1.77E-06	1.52E-04	1.90E-04	8.97E-03	6.25E-05	6.47E-05	9.29E-03
872	490386.72	3860785.12	0.04095	0.29578	0.0098	0.02035	1.66E-04	8.82E-03	6.27E-05	6.43E-05	9.12E-03	1.51E-04	9.53E-09	8.36E-07	1.75E-06	1.53E-04	1.92E-04	8.82E-03	6.27E-05	6.43E-05	9.14E-03
873	490436.72	3860785.12	0.04116	0.2906	0.0098	0.02016	1.66E-04	8.67E-03	6.27E-05	6.37E-05	8.96E-03	1.51E-04	9.37E-09	8.36E-07	1.74E-06	1.54E-04	1.92E-04	8.67E-03	6.27E-05	6.37E-05	8.99E-03
874	490486.72	3860785.12	0.04145	0.28597	0.0099	0.02004	1.68E-04	8.53E-03	6.28E-05	6.33E-05	8.83E-03	1.52E-04	9.22E-09	8.38E-07	1.73E-06	1.55E-04	1.94E-04	8.53E-03	6.28E-05	6.33E-05	8.85E-03
875	490536.72	3860785.12	0.0416	0.28084	0.0098	0.01983	1.68E-04	8.38E-03	6.28E-05	6.26E-05	8.67E-03	1.53E-04	9.05E-09	8.37E-07	1.71E-06	1.55E-04	1.95E-04	8.38E-03	6.28E-05	6.26E-05	8.70E-03
876	490586.72	3860785.12	0.04168	0.27551	0.0098	0.01959	1.68E-04	8.22E-03	6.27E-05	6.19E-05	8.51E-03	1.53E-04	8.88E-09	8.36E-07	1.69E-06	1.56E-04	1.95E-04	8.22E-03	6.27E-05	6.19E-05	8.54E-03
877	490636.72	3860785.12	0.04184	0.27091	0.0099	0.01943	1.69E-04	8.08E-03	6.28E-05	6.13E-05	8.38E-03	1.54E-04	8.73E-09	8.38E-07	1.67E-06	1.56E-04	1.96E-04	8.08E-03	6.28E-05	6.13E-05	8.40E-03
878	490686.72	3860785.12	0.04202	0.26675	0.0099	0.0193	1.70E-04	7.96E-03	6.31E-05	6.09E-05	8.25E-03	1.54E-04	8.60E-09	8.42E-07	1.66E-06	1.57E-04	1.97E-04	7.96E-03	6.31E-05	6.09E-05	8.28E-03
879	490736.72	3860785.12	0.0422	0.26295	0.01	0.0192	1.71E-04	7.84E-03	6.36E-05	6.06E-05	8.14E-03	1.55E-04	8.48E-09	8.48E-07	1.65E-06	1.58E-04	1.97E-04	7.84E-03	6.36E-05	6.06E-05	8.17E-03
880	490086.72	3860835.12	0.03911	0.30555	0.0094	0.01998	1.58E-04	9.12E-03	5.98E-05	6.31E-05	9.40E-03	1.44E-04	9.85E-09	7.98E-07	1.72E-06	1.46E-04	1.83E-04	9.12E-03	5.98E-05	6.31E-05	9.42E-03
881	490136.72	3860835.12	0.03922	0.30113	0.0095	0.01982	1.59E-04	8.98E-03	6.06E-05	6.26E-05	9.27E-03	1.44E-04	9.71E-09	8.08E-07	1.71E-06	1.47E-04	1.83E-04	8.98E-03	6.06E-05	6.26E-05	9.29E-03
882	490186.72	3860835.12	0.03927	0.29605	0.0096	0.0196	1.59E-04	8.83E-03	6.10E-05	6.19E-05	9.11E-03	1.44E-04	9.54E-09	8.13E-07	1.69E-06	1.47E-04	1.84E-04	8.83E-03	6.10E-05	6.19E-05	9.14E-03
883	490236.72	3860835.12	0.03936	0.2912	0.0096	0.01939	1.59E-04	8.69E-03	6.12E-05	6.12E-05	8.97E-03	1.45E-04	9.39E-09	8.16E-07	1.67E-06	1.47E-04	1.84E-04	8.69E-03	6.12E-05	6.12E-05	8.99E-03
884	490286.72	3860835.12	0.03951	0.28669	0.0096	0.01921	1.60E-04	8.55E-03	6.14E-05	6.07E-05	8.83E-03	1.45E-04	9.24E-09	8.19E-07	1.65E-06	1.48E-04	1.85E-04	8.55E-03	6.14E-05	6.07E-05	8.86E-03
885	490336.72	3860835.12	0.03965	0.28202	0.0096	0.01901	1.60E-04	8.41E-03	6.15E-05	6.00E-05	8.70E-03	1.46E-04	9.09E-09	8.20E-07	1.64E-06	1.48E-04	1.85E-04	8.41E-03	6.15E-05	6.00E-05	8.72E-03
886	490386.72	3860835.12	0.03983	0.27758	0.0097	0.01884	1.61E-04	8.28E-03	6.16E-05	5.95E-05	8.56E-03	1.46E-04	8.95E-09	8.21E-07	1.62E-06	1.49E-04	1.86E-04	8.28E-03	6.16E-05	5.95E-05	8.59E-03
887	490436.72	3860835.12	0.04009	0.27356	0.0097	0.01871	1.62E-04	8.16E-03	6.17E-05	5.91E-05	8.44E-03	1.47E-04	8.82E-09	8.22E-07	1.61E-06	1.50E-04	1.87E-04	8.16E-03	6.17E-05	5.91E-05	8.47E-03
888	490486.72	3860835.12	0.04033	0.26951	0.0097	0.01857	1.63E-04	8.04E-03	6.17E-05	5.86E-05	8.32E-03	1.48E-04	8.69E-09	8.23E-07	1.60E-06	1.51E-04	1.89E-04	8.04E-03	6.17E-05	5.86E-05	8.35E-03
889	490536.72	3860835.12	0.04054	0.26535	0.0097	0.01843	1.64E-04	7.92E-03	6.17E-05	5.82E-05	8.20E-03	1.49E-04	8.55E-09	8.23E-07	1.59E-06	1.51E-04	1.90E-04	7.92E-03	6.17E-05	5.82E-05	8.23E-03
890	490586.72	3860835.12	0.0407	0.26104	0.0097	0.01827	1.65E-04	7.79E-03	6.17E-05	5.77E-05	8.07E-03	1.50E-04	8.41E-09	8.22E-07	1.57E-06	1.52E-04	1.90E-04	7.79E-03	6.17E-05	5.77E-05	8.10E-03
891	490636.72	3860835.12	0.04085	0.25688	0.0097	0.01812	1.65E-04	7.66E-03	6.17E-05	5.72E-05	7.95E-03	1.50E-04	8.28E-09	8.22E-07	1.56E-06	1.53E-04	1.91E-04	7.66E-03	6.17E-05	5.72E-05	7.97E-03
892	490686.72	3860835.12	0.04104	0.25318	0.0097	0.01801	1.66E-04	7.55E-03	6.19E-05	5.69E-05	7.84E-03	1.51E-04	8.16E-09	8.25E-07	1.55E-06	1.53E-04	1.92E-04	7.55E-03	6.19E-05	5.69E-05	7.86E-03
893	490736.72	3860835.12	0.04125	0.24986	0.0098	0.01793	1.67E-04	7.45E-03	6.23E-05	5.66E-05	7.74E-03	1.52E-04	8.05E-09	8.30E-07	1.54E-06	1.54E-04	1.93E-04	7.45E-03	6.23E-05	5.66E-05	7.77E-03
894	490086.72	3860885.12	0.03834	0.28331	0.0092	0.01847	1.55E-04	8.45E-03	5.86E-05	5.83E-05	8.72E-03	1.41E-04	9.13E-09	7.81E-07	1.59E-06	1.43E-04	1.79E-04	8.45E-03	5.86E-05	5.83E-05	8.75E-03
895	490136.72	3860885.12	0.03838	0.27958	0.0093	0.01833	1.55E-04	8.34E-03	5.93E-05	5.79E-05	8.61E-03	1.41E-04	9.01E-09	7.91E-07	1.58E-06	1.43E-04	1.79E-04	8.34E-03	5.93E-05	5.79E-05	8.64E-03
896	490186.72	3860885.12	0.03843	0.2757	0.0094	0.01818	1.55E-04	8.23E-03	5.98E-05	5.74E-05	8.50E-03	1.41E-04	8.89E-09	7.98E-07	1.57E-06	1.44E-04	1.80E-04	8.23E-03	5.98E-05	5.74E-05	8.52E-03
897	490236.72	3860885.12	0.0385	0.27191	0.0094	0.01802	1.56E-04	8.11E-03	6.02E-05	5.69E-05	8.38E-03	1.42E-04	8.76E-09	8.03E-07	1.55E-06	1.44E-04	1.80E-04	8.11E-03	6.02E-05	5.69E-05	8.41E-03
898	490286.72	3860885.12	0.0386	0.26811	0.0095	0.01787	1.56E-04	8.00E-03	6.05E-05	5.64E-05	8.27E-03	1.42E-04	8.64E-09	8.06E-07	1.54E-06	1.44E-04	1.81E-04	8.00E-03	6.05E-05	5.64E-05	8.30E-03
899	490336.72	3860885.12	0.0387	0.26424	0.0095	0.0177	1.56E-04	7.88E-03	6.05E-05	5.59E-05	8.16E-03	1.42E-04	8.52E-09	8.07E-07	1.52E-06	1.45E-04	1.81E-04	7.88E-03	6.05E-05	5.59E-05	8.18E-03
900	490386.72	3860885.12	0.03889	0.26074	0.0095	0.01757	1.57E-04	7.78E-03	6.07E-05	5.55E-05	8.05E-03	1.43E-04	8.40E-09	8.09E-07	1.51E-06	1.45E-04	1.82E-04	7.78E-03	6.07E-05	5.55E-05	8.08E-03
901	490436.72	3860885.12	0.0391	0.25739	0.0095	0.01744	1.58E-04	7.68E-03	6.08E-05	5.51E-05	7.95E-03	1.44E-04	8.30E-09	8.10E-07	1.50E-06	1.46E-04	1.83E-04	7.68E-03	6.08E-05	5.51E-05	7.98E-03
902	490486.72	3860885.12	0.03931	0.25391	0.0095	0.01732	1.59E-04	7.57E-03	6.08E-05	5.47E-05	7.85E-03	1.45E-04	8.18E-09	8.10E-07	1.49E-06	1.47E-04	1.84E-04	7.57E-03	6.08E-05	5.47E-05	7.87E-03
903	490536.72	3860885.12	0.03951	0.25038	0.0095	0.01719	1.60E-04	7.47E-03	6.08E-05	5.43E-05	7.74E-03	1.45E-04	8.07E-09	8.10E-07	1.48E-06	1.48E-04	1.85E-04	7.47E-03	6.08E-05	5.43E-05	7.77E-03
904	490586.72	3860885.12	0.0397	0.24679	0.0095	0.01705	1.60E-04	7.36E-03	6.07E-05	5.38E-05	7.64E-03	1.46E-04	7.95E-09	8.10E-07	1.47E-06	1.48E-04	1.86E-04	7.36E-03	6.07E-05	5.38E-05	7.66E-03
905	490636.72	3860885.12	0.03986	0.24323	0.0095	0.01693	1.61E-04	7.26E-03	6.07E-05	5.35E-05	7.53E-03	1.47E-04	7.84E-09	8.09E-07	1.46E-06	1.49E-04	1.86E-04	7.26E-03	6.07E-05	5.35E-05	7.56E-03
906	490686.72	3860885.12	0.04005	0.23991	0.0095	0.01682	1.62E-04	7.16E-03	6.08E-05	5.31E-05	7.43E-03	1.47E-04	7.73E-09	8.10E-07	1.45E-06	1.50E-04	1.87E-04	7.16E-03	6.08E-05	5.31E-05	7.46E-03
907	490736.72	3860885.12	0.04023	0.23679	0.0096	0.01673	1.63E-04	7.06E-03	6.09E-05	5.28E-05	7.34E-03	1.48E-04	7.63E-09	8.12E-07	1.44E-06	1.50E-04	1.88E-04	7.06E-03	6.09E-05	5.28E-05	7.37E-03
908	490086.72	3860935.12	0.03755	0.26215	0.009	0.01705	1.52E-04	7.82E-03	5.71E-05	5.38E-05	8.08E-03	1.38E-04	8.45E-09	7.61E-07	1.47E-06	1.40E-04	1.76E-04	7.82E-03	5.71E-05	5.38E-05	8.11E-03
909	490136.72	3860935.12	0.03754	0.25901	0.0091	0.01694	1.52E-04	7.73E-03	5.79E-05	5.35E-05	7.99E-03	1.38E-04	8.35E-09	7.71E-07	1.46E-06	1.40E-04	1.76E-04	7.73E-03	5.79E-05	5.35E-05	8.01E-03
910	490186.72	3860935.12	0.0376	0.25635	0.0092	0.01686	1.52E-04	7.65E-03	5.86E-05	5.32E-05	7.91E-03	1.38E-04	8.26E-09	7.81E-07	1.45E-06	1.40E-04	1.76E-04	7.65E-03	5.86E-05	5.32E-05	7.94E-03
911	490236.72	3860935.12	0.03767	0.25354	0.0093	0.01676	1.52E-04	7.56E-03	5.91E-05	5.29E-05	7.83E-03	1.38E-04	8.17E-09	7.88E-07	1.44E-06	1.41E-04	1.76E-04	7.56E-03	5.91E-05	5.29E-05	7.85E-03

912	490286.72	3860935.12	0.03776	0.25071	0.0093	0.01666	1.53E-04	7.48E-03	5.94E-05	5.26E-05	7.74E-03	1.39E-04	8.08E-09	7.93E-07	1.43E-06	1.41E-04	1.77E-04	7.48E-03	5.94E-05	5.26E-05	7.77E-03
913	490336.72	3860935.12	0.03784	0.24754	0.0094	0.01653	1.53E-04	7.38E-03	5.96E-05	5.22E-05	7.65E-03	1.39E-04	7.98E-09	7.95E-07	1.42E-06	1.41E-04	1.77E-04	7.38E-03	5.96E-05	5.22E-05	7.67E-03
914	490386.72	3860935.12	0.038	0.2448	0.0094	0.01643	1.54E-04	7.30E-03	5.98E-05	5.19E-05	7.57E-03	1.40E-04	7.89E-09	7.97E-07	1.41E-06	1.42E-04	1.78E-04	7.30E-03	5.98E-05	5.19E-05	7.59E-03
915	490436.72	3860935.12	0.03818	0.24204	0.0094	0.01632	1.54E-04	7.22E-03	5.99E-05	5.15E-05	7.49E-03	1.40E-04	7.80E-09	7.99E-07	1.41E-06	1.43E-04	1.79E-04	7.22E-03	5.99E-05	5.15E-05	7.51E-03
916	490486.72	3860935.12	0.03835	0.23905	0.0094	0.01621	1.55E-04	7.13E-03	5.99E-05	5.12E-05	7.40E-03	1.41E-04	7.70E-09	7.99E-07	1.40E-06	1.43E-04	1.79E-04	7.13E-03	5.99E-05	5.12E-05	7.42E-03
917	490536.72	3860935.12	0.03855	0.23617	0.0094	0.0161	1.56E-04	7.05E-03	5.99E-05	5.08E-05	7.31E-03	1.42E-04	7.61E-09	7.99E-07	1.39E-06	1.44E-04	1.80E-04	7.05E-03	5.99E-05	5.08E-05	7.34E-03
918	490586.72	3860935.12	0.03873	0.23312	0.0094	0.01598	1.57E-04	6.95E-03	5.98E-05	5.05E-05	7.22E-03	1.42E-04	7.51E-09	7.98E-07	1.38E-06	1.45E-04	1.81E-04	6.95E-03	5.98E-05	5.05E-05	7.25E-03
919	490636.72	3860935.12	0.0389	0.23009	0.0094	0.01587	1.57E-04	6.86E-03	5.98E-05	5.01E-05	7.13E-03	1.43E-04	7.42E-09	7.97E-07	1.37E-06	1.45E-04	1.82E-04	6.86E-03	5.98E-05	5.01E-05	7.16E-03
920	490686.72	3860935.12	0.03909	0.22723	0.0094	0.01577	1.58E-04	6.78E-03	5.98E-05	4.98E-05	7.05E-03	1.44E-04	7.32E-09	7.97E-07	1.36E-06	1.46E-04	1.83E-04	6.78E-03	5.98E-05	4.98E-05	7.07E-03
921	490736.72	3860935.12	0.03927	0.22444	0.0094	0.01569	1.59E-04	6.70E-03	5.98E-05	4.95E-05	6.96E-03	1.44E-04	7.23E-09	7.98E-07	1.35E-06	1.47E-04	1.84E-04	6.70E-03	5.98E-05	4.95E-05	6.99E-03
922	490786.72	3860935.12	0.03945	0.22178	0.0094	0.01561	1.59E-04	6.62E-03	6.00E-05	4.93E-05	6.89E-03	1.45E-04	7.15E-09	8.00E-07	1.34E-06	1.47E-04	1.84E-04	6.62E-03	6.00E-05	4.93E-05	6.91E-03
923	490836.72	3860935.12	0.03965	0.21948	0.0095	0.01556	1.60E-04	6.55E-03	6.03E-05	4.91E-05	6.82E-03	1.46E-04	7.07E-09	8.05E-07	1.34E-06	1.48E-04	1.85E-04	6.55E-03	6.03E-05	4.91E-05	6.84E-03
924	490086.72	3860985.12	0.03684	0.24307	0.0087	0.01579	1.49E-04	7.25E-03	5.57E-05	4.99E-05	7.51E-03	1.35E-04	7.83E-09	7.42E-07	1.36E-06	1.38E-04	1.72E-04	7.25E-03	5.57E-05	4.99E-05	7.53E-03
925	490136.72	3860985.12	0.03685	0.24094	0.0089	0.01573	1.49E-04	7.19E-03	5.66E-05	4.97E-05	7.44E-03	1.35E-04	7.77E-09	7.55E-07	1.35E-06	1.38E-04	1.72E-04	7.19E-03	5.66E-05	4.97E-05	7.47E-03
926	490186.72	3860985.12	0.0369	0.23901	0.009	0.01569	1.49E-04	7.13E-03	5.75E-05	4.95E-05	7.39E-03	1.36E-04	7.70E-09	7.66E-07	1.35E-06	1.38E-04	1.73E-04	7.13E-03	5.75E-05	4.95E-05	7.41E-03
927	490236.72	3860985.12	0.0369	0.23652	0.0091	0.01561	1.49E-04	7.06E-03	5.80E-05	4.93E-05	7.31E-03	1.36E-04	7.62E-09	7.73E-07	1.34E-06	1.38E-04	1.73E-04	7.06E-03	5.80E-05	4.93E-05	7.34E-03
928	490286.72	3860985.12	0.03694	0.23418	0.0092	0.01553	1.49E-04	6.99E-03	5.84E-05	4.90E-05	7.24E-03	1.36E-04	7.55E-09	7.78E-07	1.34E-06	1.38E-04	1.73E-04	6.99E-03	5.84E-05	4.90E-05	7.27E-03
929	490336.72	3860985.12	0.03702	0.23186	0.0092	0.01545	1.50E-04	6.92E-03	5.87E-05	4.88E-05	7.17E-03	1.36E-04	7.47E-09	7.82E-07	1.33E-06	1.38E-04	1.73E-04	6.92E-03	5.87E-05	4.88E-05	7.20E-03
930	490386.72	3860985.12	0.03714	0.2296	0.0092	0.01537	1.50E-04	6.85E-03	5.89E-05	4.85E-05	7.11E-03	1.37E-04	7.40E-09	7.85E-07	1.32E-06	1.39E-04	1.74E-04	6.85E-03	5.89E-05	4.85E-05	7.13E-03
931	490436.72	3860985.12	0.03732	0.22758	0.0093	0.01531	1.51E-04	6.79E-03	5.91E-05	4.83E-05	7.05E-03	1.37E-04	7.34E-09	7.88E-07	1.32E-06	1.39E-04	1.75E-04	6.79E-03	5.91E-05	4.83E-05	7.07E-03
932	490486.72	3860985.12	0.03746	0.22511	0.0093	0.01521	1.51E-04	6.72E-03	5.91E-05	4.80E-05	6.97E-03	1.38E-04	7.26E-09	7.88E-07	1.31E-06	1.40E-04	1.75E-04	6.72E-03	5.91E-05	4.80E-05	7.00E-03
933	490536.72	3860985.12	0.03761	0.22254	0.0093	0.01511	1.52E-04	6.64E-03	5.91E-05	4.77E-05	6.90E-03	1.38E-04	7.17E-09	7.88E-07	1.30E-06	1.40E-04	1.76E-04	6.64E-03	5.91E-05	4.77E-05	6.92E-03
934	490586.72	3860985.12	0.03778	0.22001	0.0093	0.01501	1.53E-04	6.56E-03	5.90E-05	4.74E-05	6.82E-03	1.39E-04	7.09E-09	7.87E-07	1.29E-06	1.41E-04	1.77E-04	6.56E-03	5.90E-05	4.74E-05	6.85E-03
935	490636.72	3860985.12	0.03798	0.21764	0.0092	0.01493	1.54E-04	6.49E-03	5.89E-05	4.71E-05	6.75E-03	1.40E-04	7.01E-09	7.86E-07	1.29E-06	1.42E-04	1.78E-04	6.49E-03	5.89E-05	4.71E-05	6.78E-03
936	490686.72	3860985.12	0.03816	0.21511	0.0092	0.01484	1.54E-04	6.42E-03	5.89E-05	4.69E-05	6.68E-03	1.40E-04	6.93E-09	7.86E-07	1.28E-06	1.42E-04	1.78E-04	6.42E-03	5.89E-05	4.69E-05	6.70E-03
937	490736.72	3860985.12	0.03833	0.21262	0.0092	0.01475	1.55E-04	6.34E-03	5.89E-05	4.66E-05	6.60E-03	1.41E-04	6.85E-09	7.85E-07	1.27E-06	1.43E-04	1.79E-04	6.34E-03	5.89E-05	4.66E-05	6.63E-03
938	490786.72	3860985.12	0.03853	0.21034	0.0093	0.01469	1.56E-04	6.28E-03	5.90E-05	4.64E-05	6.54E-03	1.42E-04	6.78E-09	7.87E-07	1.26E-06	1.44E-04	1.80E-04	6.28E-03	5.90E-05	4.64E-05	6.56E-03
939	490836.72	3860985.12	0.03873	0.20828	0.0093	0.01464	1.57E-04	6.21E-03	5.92E-05	4.62E-05	6.48E-03	1.42E-04	6.71E-09	7.89E-07	1.26E-06	1.44E-04	1.81E-04	6.21E-03	5.92E-05	4.62E-05	6.50E-03
940	490086.72	3861035.12	0.03614	0.22556	0.0085	0.01468	1.46E-04	6.73E-03	5.42E-05	4.64E-05	6.98E-03	1.33E-04	7.27E-09	7.23E-07	1.26E-06	1.35E-04	1.69E-04	6.73E-03	5.42E-05	4.64E-05	7.00E-03
941	490136.72	3861035.12	0.03616	0.22411	0.0087	0.01464	1.46E-04	6.69E-03	5.53E-05	4.62E-05	6.93E-03	1.33E-04	7.22E-09	7.37E-07	1.26E-06	1.35E-04	1.69E-04	6.69E-03	5.53E-05	4.62E-05	6.96E-03
942	490186.72	3861035.12	0.03617	0.22248	0.0088	0.0146	1.46E-04	6.64E-03	5.61E-05	4.61E-05	6.89E-03	1.33E-04	7.17E-09	7.48E-07	1.26E-06	1.35E-04	1.69E-04	6.64E-03	5.61E-05	4.61E-05	6.91E-03
943	490236.72	3861035.12	0.0362	0.22093	0.0089	0.01456	1.46E-04	6.59E-03	5.68E-05	4.60E-05	6.84E-03	1.33E-04	7.12E-09	7.58E-07	1.25E-06	1.35E-04	1.69E-04	6.59E-03	5.68E-05	4.60E-05	6.86E-03
944	490286.72	3861035.12	0.0362	0.21898	0.009	0.0145	1.46E-04	6.53E-03	5.73E-05	4.58E-05	6.78E-03	1.33E-04	7.06E-09	7.65E-07	1.25E-06	1.35E-04	1.69E-04	6.53E-03	5.73E-05	4.58E-05	6.81E-03
945	490336.72	3861035.12	0.03624	0.21709	0.009	0.01445	1.46E-04	6.48E-03	5.77E-05	4.56E-05	6.73E-03	1.33E-04	7.00E-09	7.69E-07	1.24E-06	1.35E-04	1.69E-04	6.48E-03	5.77E-05	4.56E-05	6.75E-03
946	490386.72	3861035.12	0.03636	0.21558	0.0091	0.01441	1.47E-04	6.43E-03	5.80E-05	4.55E-05	6.68E-03	1.34E-04	6.95E-09	7.73E-07	1.24E-06	1.36E-04	1.70E-04	6.43E-03	5.80E-05	4.55E-05	6.71E-03
947	490436.72	3861035.12	0.03651	0.21398	0.0091	0.01437	1.48E-04	6.38E-03	5.82E-05	4.54E-05	6.63E-03	1.34E-04	6.90E-09	7.76E-07	1.24E-06	1.36E-04	1.71E-04	6.38E-03	5.82E-05	4.54E-05	6.66E-03
948	490486.72	3861035.12	0.03664	0.21204	0.0091	0.01431	1.48E-04	6.33E-03	5.83E-05	4.52E-05	6.58E-03	1.35E-04	6.83E-09	7.77E-07	1.23E-06	1.37E-04	1.71E-04	6.33E-03	5.83E-05	4.52E-05	6.60E-03
949	490536.72	3861035.12	0.03676	0.20995	0.0091	0.01423	1.49E-04	6.26E-03	5.83E-05	4.49E-05	6.52E-03	1.35E-04	6.77E-09	7.77E-07	1.23E-06	1.37E-04	1.72E-04	6.26E-03	5.83E-05	4.49E-05	6.54E-03
950	490586.72	3861035.12	0.03691	0.2078	0.0091	0.01415	1.49E-04	6.20E-03	5.82E-05	4.47E-05	6.45E-03	1.36E-04	6.70E-09	7.76E-07	1.22E-06	1.38E-04	1.73E-04	6.20E-03	5.82E-05	4.47E-05	6.47E-03
951	490636.72	3861035.12	0.03707	0.20564	0.0091	0.01407	1.50E-04	6.13E-03	5.82E-05	4.44E-05	6.39E-03	1.36E-04	6.63E-09	7.76E-07	1.21E-06	1.38E-04	1.73E-04	6.13E-03	5.82E-05	4.44E-05	6.41E-03
952	490686.72	3861035.12	0.03724	0.2035	0.0091	0.01399	1.51E-04	6.07E-03	5.81E-05	4.42E-05	6.32E-03	1.37E-04	6.56E-09	7.75E-07	1.20E-06	1.39E-04	1.74E-04	6.07E-03	5.81E-05	4.42E-05	6.35E-03
953	490736.72	3861035.12	0.03742	0.20141	0.0091	0.01391	1.51E-04	6.01E-03	5.80E-05	4.39E-05	6.26E-03	1.38E-04	6.49E-09	7.74E-07	1.20E-06	1.40E-04	1.75E-04	6.01E-03	5.80E-05	4.39E-05	6.29E-03
954	490786.72	3861035.12	0.03762	0.1995	0.0091	0.01386	1.52E-04	5.95E-03	5.80E-05	4.38E-05	6.21E-03	1.38E-04	6.43E-09	7.74E-07	1.19E-06	1.40E-04	1.76E-04	5.95E-03	5.80E-05	4.38E-05	6.23E-03
955	490836.72	3861035.12	0.03783	0.19766	0.0091	0.01381	1.53E-04	5.90E-03	5.82E-05	4.36E-05	6.15E-03	1.39E-04	6.37E-09	7.76E-07	1.19E-06	1.41E-04	1.77E-04	5.90E-03	5.82E-05	4.36E-05	6.18E-03
956	490086.72	3861085.12	0.03548	0.20975	0.0083	0.01371	1.43E-04	6.26E-03	5.28E-05	4.33E-05	6.50E-03	1.30E-04	6.76E-09	7.04E-07	1.18E-06	1.32E-04	1.66E-04	6.26E-03	5.28E-05	4.33E-05	6.52E-03
957	490136.72	3861085.12	0.03553	0.20895	0.0085	0.01369	1.44E-04	6.23E-03	5.40E-05	4.32E-05	6.47E-03	1.31E-04	6.73E-09	7.19E-07	1.18E-06	1.33E-04	1.66E-04	6.23E-03	5.40E-05	4.32E-05	6.50E-03
958	490186.72	3861085.12	0.03559	0.20813	0.0086	0.01367	1.44E-04	6.21E-03	5.50E-05	4.32E-05	6.45E-03	1.31E-04	6.71E-09	7.34E-07	1.18E-06	1.33E-04	1.66E-04	6.21E-03	5.50E-05	4.32E-05	6.47E-03
959	490236.72	3861085.12	0.03556	0.20665	0.0087	0.01363	1.44E-04	6.17E-03	5.57E-05	4.30E-05	6.41E-03	1.31E-04	6.66E-09	7.43E-07	1.17E-06	1.33E-04	1.66E-04	6.17E-03	5.57E-05	4.30E-05	6.43E-03
960	490286.72	3861085.12	0.03555	0.20519	0.0088	0.01359	1.44E-04	6.12E-03	5.63E-05	4.29E-05	6.36E-03	1.31E-04	6.61E-09	7.51E-07	1.17E-06	1.33E-04	1.66E-04	6.12E-03	5.63E-05	4.29E-05	6.39E-03
961	490336.72	3861085.12	0.03555	0.20368	0.0089	0.01355	1.44E-04	6.08E-03	5.67E-05	4.28E-05	6.32E-03	1.31E-04	6.56E-09	7.56E-07	1.17E-06	1.33E-04	1.66E-04	6.08E-03	5.67E-05	4.28E-05	6.34E-03
962	490386.72	3861085.12	0.03564	0.20251	0.009	0.01353	1.44E-04	6.04E-03	5.71E-05	4.27E-05	6.29E-03	1.31E-04	6.53E-09	7.61E-07	1.17E-06	1.33E-04	1.67E-04	6.04E-03	5.71E-05	4.27E-05	6.31E-03
963	490436.72	3861085.12	0.03572	0.20108	0.009	0.01349	1.44E-04	6.00E-03	5.73E-05	4.26E-05	6.24E-03	1.31E-04	6.48E-09	7.65E-07	1.16E-06	1.33E-04	1.67E-04	6.00E-03	5.73E-05	4.26E-05	6.27E-03
964	490486.72	3861085.12	0.03582	0.19957	0.009	0.01345	1.45E-04	5.95E-03	5.75E-05	4.25E-05	6.20E-03	1.32E-04	6.43E-09	7.66E-07	1.16E-06	1.34E-04	1.68E-04	5.95E-03	5.75E-05	4.25E-05	6.22E-03
965	490536.72	3861085.12	0.03597	0.19815	0.009	0.01341	1.45E-04	5.91E-03	5.75E-05	4.23E-05	6.16E-03	1.32E-04	6.39E-09	7.67E-07	1.15E-06	1.34E-04	1.68E-04	5.91E-03	5.75E-05	4.23E-05	6.18E-03
966	490586.72	3861085.12	0.03608	0.19634	0.009	0.01335	1.46E-04	5.86E-03	5.75E-05	4.22E-05	6.10E-03	1.33E-04	6.33E-09	7.67E-07	1.15E-06	1.35E-04	1.69E-04	5.86E-03	5.75E-05	4.22E-05	6.13E-03
967	490636.72	3861085.12	0.03619	0.19436	0.009	0.01327	1.46E-04	5.80E-03	5.74E-05	4.19E-05	6.04E-03	1.33E-04	6.26E-09	7.65E-07	1.14E-06	1.35E-04	1.69E-04	5.80E-03	5.74E-05	4.19E-05	6.07E-03
968	490686.72	3861085.12	0.03635	0.19255	0.009	0.01321	1.47E-04	5.74E-03	5.73E-05	4.17E-05	5.99E-03	1.34E-04	6.21E-09	7.64E-07	1.14E-06	1.36E-04	1.70E-04	5.74E-03	5.73E-05	4.17E-05	6.01E-03
969	490736.72	3861085.12	0.03654	0.19085	0.009	0.01315	1.48E-04	5.69E-03	5.73E-05	4.15E-05	5.94E-03	1.34E-04	6.15E-09	7.64E-07	1.13E-06	1.36E-04	1.71E-04	5.69E-03	5.73E-05	4.15E-05	5.96E-03
970	490786.72	3861085.12	0.03673	0.1892	0.009	0.0131	1.48E-04	5.64E-03	5.72E-05	4.14E-05	5.89E-03	1.35E-04	6.10E-09	7.63E-07	1.13E-06	1.37E-04	1.72E-04	5.64E-03	5.72E-05	4.14E-05	5.91E-03
971	490836.72	3861085.12	0.03693	0.18757	0.009	0.01306	1.49E-04	5.60E-03	5.73E-05	4.12E-05	5.84E-03	1.36E-04	6.05E-09	7.64E-07	1.12E-06	1.38E-04	1.73E-04	5.60E-03	5.73E-05	4.12E-05	5.87E-03
972	490086.72	3861135.12	0.03483	0.19547	0.008	0.01285	1.41E-04	5.83E-03	5.13E-05	4.06E-05	6.06E-03	1.28E-04	6.30E-09	6.84E-07	1.11E-06	1.30E-04	1.63E-04	5.83E-03	5.13E-05	4.06E-05	6.09E-03

973	490136.72	3861135.12	0.03487	0.19485	0.0082	0.01282	1.41E-04	5.81E-03	5.26E-05	4.05E-05	6.05E-03	1.28E-04	6.28E-09	7.01E-07	1.10E-06	1.30E-04	1.63E-04	5.81E-03	5.26E-05	4.05E-05	6.07E-03
974	490186.72	3861135.12	0.03491	0.19424	0.0084	0.01281	1.41E-04	5.79E-03	5.36E-05	4.04E-05	6.03E-03	1.28E-04	6.26E-09	7.15E-07	1.10E-06	1.30E-04	1.63E-04	5.79E-03	5.36E-05	4.04E-05	6.05E-03
975	490236.72	3861135.12	0.03493	0.19346	0.0086	0.01279	1.41E-04	5.77E-03	5.46E-05	4.04E-05	6.01E-03	1.28E-04	6.24E-09	7.28E-07	1.10E-06	1.30E-04	1.63E-04	5.77E-03	5.46E-05	4.04E-05	6.03E-03
976	490286.72	3861135.12	0.03493	0.19248	0.0087	0.01277	1.41E-04	5.74E-03	5.53E-05	4.03E-05	5.98E-03	1.28E-04	6.20E-09	7.37E-07	1.10E-06	1.30E-04	1.63E-04	5.74E-03	5.53E-05	4.03E-05	6.00E-03
977	490336.72	3861135.12	0.03492	0.19134	0.0087	0.01274	1.41E-04	5.71E-03	5.57E-05	4.02E-05	5.95E-03	1.28E-04	6.17E-09	7.43E-07	1.10E-06	1.30E-04	1.63E-04	5.71E-03	5.57E-05	4.02E-05	5.97E-03
978	490386.72	3861135.12	0.03496	0.19033	0.0088	0.01272	1.41E-04	5.68E-03	5.62E-05	4.02E-05	5.92E-03	1.29E-04	6.13E-09	7.49E-07	1.10E-06	1.30E-04	1.63E-04	5.68E-03	5.62E-05	4.02E-05	5.94E-03
979	490436.72	3861135.12	0.035	0.18919	0.0089	0.0127	1.41E-04	5.64E-03	5.64E-05	4.01E-05	5.88E-03	1.29E-04	6.10E-09	7.53E-07	1.09E-06	1.31E-04	1.64E-04	5.64E-03	5.64E-05	4.01E-05	5.90E-03
980	490486.72	3861135.12	0.03508	0.18805	0.0089	0.01268	1.42E-04	5.61E-03	5.66E-05	4.00E-05	5.85E-03	1.29E-04	6.06E-09	7.55E-07	1.09E-06	1.31E-04	1.64E-04	5.61E-03	5.66E-05	4.00E-05	5.87E-03
981	490536.72	3861135.12	0.03518	0.18684	0.0089	0.01265	1.42E-04	5.57E-03	5.68E-05	3.99E-05	5.81E-03	1.29E-04	6.02E-09	7.57E-07	1.09E-06	1.31E-04	1.65E-04	5.57E-03	5.68E-05	3.99E-05	5.84E-03
982	490586.72	3861135.12	0.03528	0.18545	0.0089	0.01261	1.43E-04	5.53E-03	5.68E-05	3.98E-05	5.77E-03	1.30E-04	5.98E-09	7.57E-07	1.09E-06	1.32E-04	1.65E-04	5.53E-03	5.68E-05	3.98E-05	5.79E-03
983	490636.72	3861135.12	0.03538	0.18385	0.0089	0.01255	1.43E-04	5.48E-03	5.66E-05	3.96E-05	5.72E-03	1.30E-04	5.93E-09	7.55E-07	1.08E-06	1.32E-04	1.65E-04	5.48E-03	5.66E-05	3.96E-05	5.75E-03
984	490686.72	3861135.12	0.03553	0.18242	0.0089	0.0125	1.44E-04	5.44E-03	5.66E-05	3.95E-05	5.68E-03	1.31E-04	5.88E-09	7.55E-07	1.08E-06	1.32E-04	1.66E-04	5.44E-03	5.66E-05	3.95E-05	5.70E-03
985	490736.72	3861135.12	0.03571	0.18103	0.0089	0.01246	1.44E-04	5.40E-03	5.66E-05	3.93E-05	5.64E-03	1.31E-04	5.83E-09	7.54E-07	1.07E-06	1.33E-04	1.67E-04	5.40E-03	5.66E-05	3.93E-05	5.66E-03
986	490786.72	3861135.12	0.03589	0.17961	0.0089	0.01242	1.45E-04	5.36E-03	5.65E-05	3.92E-05	5.60E-03	1.32E-04	5.79E-09	7.54E-07	1.07E-06	1.34E-04	1.68E-04	5.36E-03	5.65E-05	3.92E-05	5.62E-03
987	490836.72	3861135.12	0.03608	0.17815	0.0089	0.01238	1.46E-04	5.31E-03	5.64E-05	3.91E-05	5.56E-03	1.33E-04	5.74E-09	7.53E-07	1.07E-06	1.34E-04	1.69E-04	5.31E-03	5.64E-05	3.91E-05	5.58E-03
988	490086.72	3861185.12	0.03419	0.18268	0.0078	0.01209	1.38E-04	5.45E-03	4.98E-05	3.82E-05	5.68E-03	1.26E-04	5.89E-09	6.64E-07	1.04E-06	1.27E-04	1.60E-04	5.45E-03	4.98E-05	3.82E-05	5.70E-03
989	490136.72	3861185.12	0.03419	0.1819	0.008	0.01205	1.38E-04	5.43E-03	5.10E-05	3.80E-05	5.65E-03	1.26E-04	5.86E-09	6.80E-07	1.04E-06	1.27E-04	1.60E-04	5.43E-03	5.10E-05	3.80E-05	5.68E-03
990	490186.72	3861185.12	0.03421	0.18138	0.0082	0.01203	1.38E-04	5.41E-03	5.22E-05	3.80E-05	5.64E-03	1.26E-04	5.85E-09	6.97E-07	1.04E-06	1.28E-04	1.60E-04	5.41E-03	5.22E-05	3.80E-05	5.66E-03
991	490236.72	3861185.12	0.03424	0.1809	0.0083	0.01202	1.38E-04	5.40E-03	5.32E-05	3.80E-05	5.63E-03	1.26E-04	5.83E-09	7.09E-07	1.04E-06	1.28E-04	1.60E-04	5.40E-03	5.32E-05	3.80E-05	5.65E-03
992	490286.72	3861185.12	0.03429	0.18051	0.0085	0.01202	1.39E-04	5.39E-03	5.41E-05	3.80E-05	5.62E-03	1.26E-04	5.82E-09	7.21E-07	1.04E-06	1.28E-04	1.60E-04	5.39E-03	5.41E-05	3.80E-05	5.64E-03
993	490336.72	3861185.12	0.03423	0.17938	0.0086	0.01198	1.38E-04	5.35E-03	5.47E-05	3.78E-05	5.58E-03	1.26E-04	5.78E-09	7.29E-07	1.03E-06	1.28E-04	1.60E-04	5.35E-03	5.47E-05	3.78E-05	5.60E-03
994	490386.72	3861185.12	0.03426	0.17869	0.0086	0.01198	1.38E-04	5.33E-03	5.51E-05	3.78E-05	5.56E-03	1.26E-04	5.76E-09	7.35E-07	1.03E-06	1.28E-04	1.60E-04	5.33E-03	5.51E-05	3.78E-05	5.58E-03
995	490436.72	3861185.12	0.03433	0.17809	0.0087	0.01198	1.39E-04	5.31E-03	5.56E-05	3.78E-05	5.55E-03	1.26E-04	5.74E-09	7.41E-07	1.03E-06	1.28E-04	1.61E-04	5.31E-03	5.56E-05	3.78E-05	5.57E-03
996	490486.72	3861185.12	0.03437	0.17719	0.0088	0.01196	1.39E-04	5.29E-03	5.58E-05	3.78E-05	5.52E-03	1.26E-04	5.71E-09	7.44E-07	1.03E-06	1.28E-04	1.61E-04	5.29E-03	5.58E-05	3.78E-05	5.54E-03
997	490536.72	3861185.12	0.0345	0.17661	0.0088	0.01197	1.39E-04	5.27E-03	5.61E-05	3.78E-05	5.50E-03	1.27E-04	5.69E-09	7.48E-07	1.03E-06	1.29E-04	1.61E-04	5.27E-03	5.61E-05	3.78E-05	5.52E-03
998	490586.72	3861185.12	0.03456	0.17543	0.0088	0.01193	1.40E-04	5.23E-03	5.61E-05	3.77E-05	5.47E-03	1.27E-04	5.65E-09	7.48E-07	1.03E-06	1.29E-04	1.62E-04	5.23E-03	5.61E-05	3.77E-05	5.49E-03
999	490636.72	3861185.12	0.0346	0.17395	0.0088	0.01188	1.40E-04	5.19E-03	5.59E-05	3.75E-05	5.42E-03	1.27E-04	5.61E-09	7.46E-07	1.02E-06	1.29E-04	1.62E-04	5.19E-03	5.59E-05	3.75E-05	5.44E-03
1000	490686.72	3861185.12	0.03473	0.17277	0.0088	0.01185	1.40E-04	5.15E-03	5.59E-05	3.74E-05	5.39E-03	1.28E-04	5.57E-09	7.45E-07	1.02E-06	1.29E-04	1.62E-04	5.15E-03	5.59E-05	3.74E-05	5.41E-03
1001	490736.72	3861185.12	0.03491	0.17178	0.0088	0.01183	1.41E-04	5.12E-03	5.59E-05	3.74E-05	5.36E-03	1.28E-04	5.54E-09	7.45E-07	1.02E-06	1.30E-04	1.63E-04	5.12E-03	5.59E-05	3.74E-05	5.38E-03
1002	490786.72	3861185.12	0.03509	0.17066	0.0088	0.0118	1.42E-04	5.09E-03	5.59E-05	3.73E-05	5.33E-03	1.29E-04	5.50E-09	7.45E-07	1.02E-06	1.31E-04	1.64E-04	5.09E-03	5.59E-05	3.73E-05	5.35E-03
1003	490836.72	3861185.12	0.03527	0.16943	0.0088	0.01176	1.43E-04	5.05E-03	5.58E-05	3.71E-05	5.29E-03	1.30E-04	5.46E-09	7.44E-07	1.01E-06	1.31E-04	1.65E-04	5.05E-03	5.58E-05	3.71E-05	5.31E-03
1004	490086.72	3861235.12	0.03356	0.17116	0.0076	0.01141	1.36E-04	5.11E-03	4.83E-05	3.60E-05	5.33E-03	1.23E-04	5.52E-09	6.44E-07	9.83E-07	1.25E-04	1.57E-04	5.11E-03	4.83E-05	3.60E-05	5.35E-03
1005	490136.72	3861235.12	0.03357	0.17056	0.0078	0.01138	1.36E-04	5.09E-03	4.96E-05	3.59E-05	5.31E-03	1.23E-04	5.50E-09	6.62E-07	9.80E-07	1.25E-04	1.57E-04	5.09E-03	4.96E-05	3.59E-05	5.33E-03
1006	490186.72	3861235.12	0.03361	0.17019	0.008	0.01137	1.36E-04	5.08E-03	5.08E-05	3.59E-05	5.30E-03	1.24E-04	5.49E-09	6.78E-07	9.79E-07	1.25E-04	1.57E-04	5.08E-03	5.08E-05	3.59E-05	5.32E-03
1007	490236.72	3861235.12	0.03359	0.16956	0.0081	0.01134	1.36E-04	5.06E-03	5.19E-05	3.58E-05	5.28E-03	1.23E-04	5.47E-09	6.91E-07	9.76E-07	1.25E-04	1.57E-04	5.06E-03	5.19E-05	3.58E-05	5.30E-03
1008	490386.72	3861235.12	0.0336	0.16794	0.0085	0.01131	1.36E-04	5.01E-03	5.41E-05	3.57E-05	5.24E-03	1.24E-04	5.41E-09	7.21E-07	9.74E-07	1.25E-04	1.57E-04	5.01E-03	5.41E-05	3.57E-05	5.26E-03
1009	490436.72	3861235.12	0.0336	0.1673	0.0085	0.0113	1.36E-04	4.99E-03	5.45E-05	3.57E-05	5.22E-03	1.24E-04	5.39E-09	7.26E-07	9.73E-07	1.25E-04	1.57E-04	4.99E-03	5.45E-05	3.57E-05	5.24E-03
1010	490486.72	3861235.12	0.03364	0.1667	0.0086	0.01129	1.36E-04	4.97E-03	5.48E-05	3.56E-05	5.20E-03	1.24E-04	5.37E-09	7.31E-07	9.72E-07	1.25E-04	1.57E-04	4.97E-03	5.48E-05	3.56E-05	5.22E-03
1011	490536.72	3861235.12	0.03379	0.16662	0.0087	0.01132	1.37E-04	4.97E-03	5.52E-05	3.57E-05	5.20E-03	1.24E-04	5.37E-09	7.36E-07	9.75E-07	1.26E-04	1.58E-04	4.97E-03	5.52E-05	3.57E-05	5.22E-03
1012	490586.72	3861235.12	0.03391	0.16616	0.0087	0.01132	1.37E-04	4.96E-03	5.54E-05	3.57E-05	5.19E-03	1.25E-04	5.36E-09	7.39E-07	9.75E-07	1.26E-04	1.59E-04	4.96E-03	5.54E-05	3.57E-05	5.21E-03
1013	490636.72	3861235.12	0.03387	0.16465	0.0087	0.01127	1.37E-04	4.91E-03	5.52E-05	3.56E-05	5.14E-03	1.25E-04	5.31E-09	7.37E-07	9.70E-07	1.26E-04	1.58E-04	4.91E-03	5.52E-05	3.56E-05	5.16E-03
1014	490686.72	3861235.12	0.03398	0.16375	0.0087	0.01125	1.37E-04	4.89E-03	5.52E-05	3.55E-05	5.11E-03	1.25E-04	5.28E-09	7.37E-07	9.69E-07	1.27E-04	1.59E-04	4.89E-03	5.52E-05	3.55E-05	5.13E-03
1015	490736.72	3861235.12	0.03414	0.16301	0.0087	0.01123	1.38E-04	4.86E-03	5.52E-05	3.55E-05	5.09E-03	1.26E-04	5.25E-09	7.37E-07	9.67E-07	1.27E-04	1.60E-04	4.86E-03	5.52E-05	3.55E-05	5.11E-03
1016	490786.72	3861235.12	0.03433	0.16222	0.0087	0.01122	1.39E-04	4.84E-03	5.52E-05	3.54E-05	5.07E-03	1.26E-04	5.23E-09	7.37E-07	9.66E-07	1.28E-04	1.61E-04	4.84E-03	5.52E-05	3.54E-05	5.09E-03
1017	490836.72	3861235.12	0.03449	0.16121	0.0087	0.01119	1.39E-04	4.81E-03	5.52E-05	3.53E-05	5.04E-03	1.27E-04	5.20E-09	7.36E-07	9.64E-07	1.29E-04	1.61E-04	4.81E-03	5.52E-05	3.53E-05	5.06E-03
1018	490086.72	3861285.12	0.03299	0.16116	0.0074	0.01083	1.33E-04	4.81E-03	4.69E-05	3.42E-05	5.02E-03	1.21E-04	5.19E-09	6.25E-07	9.33E-07	1.23E-04	1.54E-04	4.81E-03	4.69E-05	3.42E-05	5.04E-03
1019	490136.72	3861285.12	0.03307	0.16096	0.0076	0.01082	1.34E-04	4.80E-03	4.83E-05	3.42E-05	5.02E-03	1.22E-04	5.19E-09	6.45E-07	9.32E-07	1.23E-04	1.55E-04	4.80E-03	4.83E-05	3.42E-05	5.04E-03
1020	490186.72	3861285.12	0.03303	0.16023	0.0078	0.01079	1.34E-04	4.78E-03	4.95E-05	3.41E-05	5.00E-03	1.21E-04	5.16E-09	6.60E-07	9.29E-07	1.23E-04	1.54E-04	4.78E-03	4.95E-05	3.41E-05	5.02E-03
1021	490236.72	3861285.12	0.03303	0.1597	0.0079	0.01076	1.34E-04	4.76E-03	5.06E-05	3.40E-05	4.98E-03	1.21E-04	5.15E-09	6.74E-07	9.27E-07	1.23E-04	1.54E-04	4.76E-03	5.06E-05	3.40E-05	5.00E-03
1022	490386.72	3861285.12	0.03301	0.15834	0.0083	0.01072	1.33E-04	4.72E-03	5.30E-05	3.38E-05	4.94E-03	1.21E-04	5.10E-09	7.07E-07	9.23E-07	1.23E-04	1.54E-04	4.72E-03	5.30E-05	3.38E-05	4.97E-03
1023	490436.72	3861285.12	0.03303	0.15803	0.0084	0.01072	1.34E-04	4.71E-03	5.36E-05	3.38E-05	4.94E-03	1.21E-04	5.09E-09	7.14E-07	9.23E-07	1.23E-04	1.54E-04	4.71E-03	5.36E-05	3.38E-05	4.96E-03
1024	490486.72	3861285.12	0.03303	0.15747	0.0085	0.01071	1.34E-04	4.70E-03	5.40E-05	3.38E-05	4.92E-03	1.21E-04	5.08E-09	7.19E-07	9.22E-07	1.23E-04	1.54E-04	4.70E-03	5.40E-05	3.38E-05	4.94E-03
1025	490536.72	3861285.12	0.03307	0.15705	0.0085	0.01071	1.34E-04	4.69E-03	5.42E-05	3.38E-05	4.91E-03	1.22E-04	5.06E-09	7.23E-07	9.22E-07	1.23E-04	1.55E-04	4.69E-03	5.42E-05	3.38E-05	4.93E-03
1026	490586.72	3861285.12	0.03315	0.15668	0.0085	0.01072	1.34E-04	4.67E-03	5.45E-05	3.38E-05	4.90E-03	1.22E-04	5.05E-09	7.26E-07	9.23E-07	1.24E-04	1.55E-04	4.67E-03	5.45E-05	3.38E-05	4.92E-03
1027	490636.72	3861285.12	0.03316	0.15578	0.0085	0.01069	1.34E-04	4.65E-03	5.45E-05	3.38E-05	4.87E-03	1.22E-04	5.02E-09	7.26E-07	9.21E-07	1.24E-04	1.55E-04	4.65E-03	5.45E-05	3.38E-05	4.89E-03
1028	490686.72	3861285.12	0.03325	0.15515	0.0086	0.01068	1.34E-04	4.63E-03	5.45E-05	3.37E-05	4.85E-03	1.22E-04	5.00E-09	7.27E-07	9.20E-07	1.24E-04	1.55E-04	4.63E-03	5.45E-05	3.37E-05	4.87E-03
1029	490736.72	3861285.12	0.03344	0.15485	0.0086	0.01069	1.35E-04	4.62E-03	5.46E-05	3.38E-05	4.84E-03	1.23E-04	4.99E-09	7.28E-07	9.21E-07	1.25E-04	1.56E-04	4.62E-03	5.46E-05	3.38E-05	4.86E-03
1030	490786.72	3861285.12	0.03357	0.15409	0.0086	0.01068	1.36E-04	4.60E-03	5.45E-05	3.37E-05	4.82E-03	1.23E-04	4.97E-09	7.27E-07	9.20E-07	1.25E-04	1.57E-04	4.60E-03	5.45E-05	3.37E-05	4.84E-03
1031	490836.72	3861285.12	0.03369	0.15314	0.0085	0.01065	1.36E-04	4.57E-03	5.45E-05	3.36E-05	4.79E-03	1.24E-04	4.94E-09	7.26E-07	9.17E-07	1.26E-04	1.58E-04	4.57E-03	5.45E-05	3.36E-05	4.81E-03
1032	490061.24	3859716.13	0.06529	0.57117	0.0169	0.08374	2.64E-04	1.70E-02	1.08E-04	2.64E-04	1.77E-02	2.40E-04	1.84E-08	1.44E-06	7.21E-06	2.49E-04	3.05E-04	1.70E-02	1.08E-04	2.64E-04	1.77E-02
1033	490111.24	3859716.13	0.06476	0.55905	0.0171	0.08086	2.62E-04	1.67E-02	1.09E-04	2.55E-04	1.73E-02	2.38E-04	1.80E-08	1.45E-06	6.96E-06	2.47E-04	3.03E-04	1.67E-02	1.09E-04	2.55E-04	1.73E-02

1034	490161.24	3859716.13	0.0642	0.54755	0.0172	0.07819	2.60E-04	1.63E-02	1.10E-04	2.47E-04	1.70E-02	2.36E-04	1.76E-08	1.47E-06	6.73E-06	2.44E-04	3.00E-04	1.63E-02	1.10E-04	2.47E-04	1.70E-02
1035	490211.24	3859716.13	0.06362	0.53734	0.0173	0.07574	2.57E-04	1.60E-02	1.10E-04	2.39E-04	1.66E-02	2.34E-04	1.73E-08	1.47E-06	6.52E-06	2.42E-04	2.98E-04	1.60E-02	1.10E-04	2.39E-04	1.67E-02
1036	490061.24	3859766.13	0.06431	0.56941	0.0163	0.08162	2.60E-04	1.70E-02	1.04E-04	2.58E-04	1.76E-02	2.36E-04	1.84E-08	1.39E-06	7.03E-06	2.45E-04	3.01E-04	1.70E-02	1.04E-04	2.58E-04	1.76E-02
1037	490111.24	3859766.13	0.06378	0.55784	0.0165	0.07882	2.58E-04	1.66E-02	1.05E-04	2.49E-04	1.73E-02	2.34E-04	1.80E-08	1.40E-06	6.79E-06	2.43E-04	2.98E-04	1.66E-02	1.05E-04	2.49E-04	1.73E-02
1038	490161.24	3859766.13	0.06321	0.54758	0.0166	0.07624	2.56E-04	1.63E-02	1.06E-04	2.41E-04	1.69E-02	2.32E-04	1.76E-08	1.41E-06	6.57E-06	2.40E-04	2.96E-04	1.63E-02	1.06E-04	2.41E-04	1.70E-02
1039	490211.24	3859766.13	0.06267	0.53616	0.0167	0.0738	2.53E-04	1.60E-02	1.07E-04	2.33E-04	1.66E-02	2.30E-04	1.73E-08	1.42E-06	6.35E-06	2.38E-04	2.93E-04	1.60E-02	1.07E-04	2.33E-04	1.66E-02
1040	490061.24	3859816.13	0.06327	0.56875	0.0157	0.07938	2.56E-04	1.70E-02	9.99E-05	2.51E-04	1.76E-02	2.33E-04	1.83E-08	1.33E-06	6.84E-06	2.41E-04	2.96E-04	1.70E-02	9.99E-05	2.51E-04	1.76E-02
1041	490111.24	3859816.13	0.06277	0.55842	0.0158	0.07667	2.54E-04	1.67E-02	1.01E-04	2.42E-04	1.73E-02	2.31E-04	1.80E-08	1.35E-06	6.60E-06	2.39E-04	2.94E-04	1.67E-02	1.01E-04	2.42E-04	1.73E-02
1042	490161.24	3859816.13	0.06226	0.54673	0.016	0.07412	2.52E-04	1.63E-02	1.02E-04	2.34E-04	1.69E-02	2.29E-04	1.76E-08	1.36E-06	6.38E-06	2.37E-04	2.91E-04	1.63E-02	1.02E-04	2.34E-04	1.69E-02
1043	490211.24	3859816.13	0.06172	0.53531	0.0161	0.07176	2.49E-04	1.60E-02	1.03E-04	2.27E-04	1.65E-02	2.27E-04	1.73E-08	1.37E-06	6.18E-06	2.34E-04	2.89E-04	1.60E-02	1.03E-04	2.27E-04	1.66E-02
1044	490061.24	3859866.13	0.06218	0.57016	0.015	0.07706	2.51E-04	1.70E-02	9.59E-05	2.43E-04	1.76E-02	2.29E-04	1.84E-08	1.28E-06	6.64E-06	2.37E-04	2.91E-04	1.70E-02	9.59E-05	2.43E-04	1.76E-02
1045	490111.24	3859866.13	0.06177	0.55803	0.0153	0.0744	2.50E-04	1.66E-02	9.73E-05	2.35E-04	1.72E-02	2.27E-04	1.80E-08	1.30E-06	6.41E-06	2.35E-04	2.89E-04	1.66E-02	9.73E-05	2.35E-04	1.73E-02
1046	490161.24	3859866.13	0.06133	0.54611	0.0154	0.07191	2.48E-04	1.63E-02	9.85E-05	2.27E-04	1.69E-02	2.25E-04	1.76E-08	1.31E-06	6.19E-06	2.33E-04	2.87E-04	1.63E-02	9.85E-05	2.27E-04	1.69E-02
1047	490211.24	3859866.13	0.06085	0.53448	0.0156	0.06959	2.46E-04	1.59E-02	9.95E-05	2.20E-04	1.65E-02	2.24E-04	1.72E-08	1.33E-06	5.99E-06	2.31E-04	2.85E-04	1.59E-02	9.95E-05	2.20E-04	1.65E-02
1048	490061.24	3859916.13	0.06101	0.57076	0.0144	0.07459	2.47E-04	1.70E-02	9.21E-05	2.36E-04	1.76E-02	2.24E-04	1.84E-08	1.23E-06	6.42E-06	2.32E-04	2.85E-04	1.70E-02	9.21E-05	2.36E-04	1.76E-02
1049	490111.24	3859916.13	0.06072	0.5581	0.0147	0.072	2.45E-04	1.66E-02	9.36E-05	2.27E-04	1.72E-02	2.23E-04	1.80E-08	1.25E-06	6.20E-06	2.31E-04	2.84E-04	1.67E-02	9.36E-05	2.27E-04	1.73E-02
1050	490161.24	3859916.13	0.06034	0.54586	0.0149	0.06961	2.44E-04	1.63E-02	9.49E-05	2.20E-04	1.68E-02	2.22E-04	1.76E-08	1.27E-06	5.99E-06	2.29E-04	2.82E-04	1.63E-02	9.49E-05	2.20E-04	1.69E-02
1051	490211.24	3859916.13	0.0599	0.534	0.0151	0.0674	2.42E-04	1.59E-02	9.60E-05	2.13E-04	1.65E-02	2.20E-04	1.72E-08	1.28E-06	5.80E-06	2.27E-04	2.80E-04	1.59E-02	9.60E-05	2.13E-04	1.65E-02
1052	490229.25	3859815.26	0.06158	0.53115	0.0162	0.07094	2.49E-04	1.58E-02	1.03E-04	2.24E-04	1.64E-02	2.26E-04	1.71E-08	1.38E-06	6.11E-06	2.34E-04	2.88E-04	1.58E-02	1.03E-04	2.24E-04	1.65E-02
1053	490279.25	3859815.26	0.06103	0.52015	0.0163	0.0688	2.47E-04	1.55E-02	1.04E-04	2.17E-04	1.61E-02	2.24E-04	1.68E-08	1.38E-06	5.92E-06	2.32E-04	2.85E-04	1.55E-02	1.04E-04	2.17E-04	1.61E-02
1054	490329.25	3859815.26	0.0605	0.50938	0.0164	0.0668	2.45E-04	1.52E-02	1.04E-04	2.11E-04	1.58E-02	2.22E-04	1.64E-08	1.39E-06	5.75E-06	2.30E-04	2.83E-04	1.52E-02	1.04E-04	2.11E-04	1.58E-02
1055	490379.25	3859815.26	0.06009	0.49864	0.0165	0.06482	2.43E-04	1.49E-02	1.05E-04	2.05E-04	1.54E-02	2.21E-04	1.61E-08	1.40E-06	5.58E-06	2.28E-04	2.81E-04	1.49E-02	1.05E-04	2.05E-04	1.55E-02
1056	490429.25	3859815.26	0.05979	0.48798	0.0166	0.06289	2.42E-04	1.46E-02	1.06E-04	1.99E-04	1.51E-02	2.20E-04	1.57E-08	1.41E-06	5.42E-06	2.27E-04	2.80E-04	1.46E-02	1.06E-04	1.99E-04	1.51E-02
1057	490229.25	3859865.26	0.06069	0.53037	0.0157	0.06884	2.45E-04	1.58E-02	9.99E-05	2.17E-04	1.64E-02	2.23E-04	1.71E-08	1.33E-06	5.93E-06	2.30E-04	2.84E-04	1.58E-02	9.99E-05	2.17E-04	1.64E-02
1058	490279.25	3859865.26	0.06016	0.51921	0.0158	0.06675	2.43E-04	1.55E-02	1.01E-04	2.11E-04	1.60E-02	2.21E-04	1.67E-08	1.34E-06	5.75E-06	2.28E-04	2.81E-04	1.55E-02	1.01E-04	2.11E-04	1.61E-02
1059	490329.25	3859865.26	0.05963	0.50831	0.0158	0.06481	2.41E-04	1.52E-02	1.01E-04	2.05E-04	1.57E-02	2.19E-04	1.64E-08	1.35E-06	5.58E-06	2.26E-04	2.79E-04	1.52E-02	1.01E-04	2.05E-04	1.57E-02
1060	490379.25	3859865.26	0.05916	0.49756	0.0159	0.06294	2.39E-04	1.48E-02	1.02E-04	1.99E-04	1.54E-02	2.18E-04	1.60E-08	1.35E-06	5.42E-06	2.24E-04	2.77E-04	1.48E-02	1.02E-04	1.99E-04	1.54E-02
1061	490429.25	3859865.26	0.05874	0.48703	0.016	0.06116	2.37E-04	1.45E-02	1.02E-04	1.93E-04	1.51E-02	2.16E-04	1.57E-08	1.36E-06	5.27E-06	2.23E-04	2.75E-04	1.45E-02	1.02E-04	1.93E-04	1.51E-02
1062	490229.25	3859915.26	0.05977	0.52975	0.0151	0.06667	2.42E-04	1.58E-02	9.64E-05	2.11E-04	1.64E-02	2.20E-04	1.71E-08	1.29E-06	5.74E-06	2.27E-04	2.80E-04	1.58E-02	9.64E-05	2.11E-04	1.64E-02
1063	490279.25	3859915.26	0.05926	0.51839	0.0152	0.06468	2.40E-04	1.55E-02	9.71E-05	2.04E-04	1.60E-02	2.18E-04	1.67E-08	1.30E-06	5.57E-06	2.25E-04	2.77E-04	1.55E-02	9.71E-05	2.04E-04	1.60E-02
1064	490329.25	3859915.26	0.05876	0.50721	0.0153	0.06279	2.38E-04	1.51E-02	9.78E-05	1.98E-04	1.57E-02	2.16E-04	1.63E-08	1.30E-06	5.41E-06	2.23E-04	2.75E-04	1.51E-02	9.78E-05	1.98E-04	1.57E-02
1065	490379.25	3859915.26	0.05829	0.49628	0.0154	0.061	2.36E-04	1.48E-02	9.84E-05	1.93E-04	1.53E-02	2.14E-04	1.60E-08	1.31E-06	5.25E-06	2.21E-04	2.73E-04	1.48E-02	9.84E-05	1.93E-04	1.54E-02
1066	490429.25	3859915.26	0.05781	0.48567	0.0155	0.05933	2.34E-04	1.45E-02	9.87E-05	1.87E-04	1.50E-02	2.13E-04	1.57E-08	1.32E-06	5.11E-06	2.19E-04	2.70E-04	1.45E-02	9.87E-05	1.87E-04	1.50E-02
1067	490451.43	3859872.59	0.05841	0.48231	0.0159	0.06015	2.36E-04	1.44E-02	1.02E-04	1.90E-04	1.49E-02	2.15E-04	1.55E-08	1.36E-06	5.18E-06	2.21E-04	2.73E-04	1.44E-02	1.02E-04	1.90E-04	1.50E-02
1068	490501.43	3859872.59	0.0581	0.47201	0.0161	0.05845	2.35E-04	1.41E-02	1.02E-04	1.85E-04	1.46E-02	2.14E-04	1.52E-08	1.37E-06	5.03E-06	2.20E-04	2.72E-04	1.41E-02	1.02E-04	1.85E-04	1.46E-02
1069	490551.43	3859872.59	0.05793	0.46169	0.0162	0.05675	2.34E-04	1.38E-02	1.03E-04	1.79E-04	1.43E-02	2.13E-04	1.49E-08	1.38E-06	4.89E-06	2.19E-04	2.71E-04	1.38E-02	1.03E-04	1.79E-04	1.43E-02
1070	490601.43	3859872.59	0.05778	0.45078	0.0164	0.05517	2.34E-04	1.34E-02	1.04E-04	1.74E-04	1.40E-02	2.12E-04	1.45E-08	1.39E-06	4.75E-06	2.19E-04	2.70E-04	1.34E-02	1.04E-04	1.74E-04	1.40E-02
1071	490451.43	3859922.59	0.05749	0.48079	0.0154	0.05833	2.32E-04	1.43E-02	9.84E-05	1.84E-04	1.49E-02	2.11E-04	1.55E-08	1.31E-06	5.02E-06	2.18E-04	2.69E-04	1.43E-02	9.84E-05	1.84E-04	1.49E-02
1072	490501.43	3859922.59	0.0571	0.47047	0.0155	0.05674	2.31E-04	1.40E-02	9.89E-05	1.79E-04	1.45E-02	2.10E-04	1.52E-08	1.32E-06	4.89E-06	2.16E-04	2.67E-04	1.40E-02	9.89E-05	1.79E-04	1.46E-02
1073	490551.43	3859922.59	0.05685	0.46022	0.0156	0.05513	2.30E-04	1.37E-02	9.96E-05	1.74E-04	1.42E-02	2.09E-04	1.48E-08	1.33E-06	4.75E-06	2.15E-04	2.66E-04	1.37E-02	9.96E-05	1.74E-04	1.43E-02
1074	490601.43	3859922.59	0.05667	0.45009	0.0158	0.05358	2.29E-04	1.34E-02	1.01E-04	1.69E-04	1.39E-02	2.08E-04	1.45E-08	1.34E-06	4.61E-06	2.14E-04	2.65E-04	1.34E-02	1.01E-04	1.69E-04	1.40E-02
1075	482129.67	3852241.07	0.03657	0.01451	0.0028	0.00491	1.48E-04	4.33E-04	1.78E-05	1.55E-05	6.14E-04	1.34E-04	4.68E-10	2.37E-07	4.23E-07	1.35E-04	1.71E-04	4.33E-04	1.78E-05	1.55E-05	6.37E-04
1076	482029.67	3852291.07	0.03666	0.01519	0.0028	0.00486	1.48E-04	4.53E-04	1.79E-05	1.53E-05	6.35E-04	1.35E-04	4.90E-10	2.39E-07	4.18E-07	1.35E-04	1.71E-04	4.53E-04	1.79E-05	1.53E-05	6.58E-04
1077	482079.67	3852291.07	0.03704	0.01508	0.0028	0.0049	1.50E-04	4.50E-04	1.79E-05	1.55E-05	6.33E-04	1.36E-04	4.86E-10	2.39E-07	4.22E-07	1.37E-04	1.73E-04	4.50E-04	1.79E-05	1.55E-05	6.57E-04
1078	482129.67	3852291.07	0.03727	0.01492	0.0028	0.00495	1.51E-04	4.45E-04	1.79E-05	1.56E-05	6.29E-04	1.37E-04	4.81E-10	2.39E-07	4.26E-07	1.38E-04	1.74E-04	4.45E-04	1.79E-05	1.56E-05	6.53E-04
1079	482179.67	3852291.07	0.03737	0.01468	0.0028	0.005	1.51E-04	4.38E-04	1.79E-05	1.58E-05	6.23E-04	1.37E-04	4.73E-10	2.39E-07	4.31E-07	1.38E-04	1.75E-04	4.38E-04	1.79E-05	1.58E-05	6.46E-04
1080	482229.67	3852291.07	0.03732	0.01433	0.0028	0.00506	1.51E-04	4.28E-04	1.80E-05	1.60E-05	6.12E-04	1.37E-04	4.62E-10	2.40E-07	4.36E-07	1.38E-04	1.75E-04	4.28E-04	1.80E-05	1.60E-05	6.36E-04
1081	482029.67	3852341.07	0.03684	0.01565	0.0028	0.0049	1.49E-04	4.67E-04	1.81E-05	1.55E-05	6.49E-04	1.35E-04	5.04E-10	2.41E-07	4.22E-07	1.36E-04	1.72E-04	4.67E-04	1.81E-05	1.55E-05	6.73E-04
1082	482079.67	3852341.07	0.03742	0.01551	0.0028	0.00495	1.51E-04	4.63E-04	1.81E-05	1.56E-05	6.48E-04	1.38E-04	5.00E-10	2.41E-07	4.26E-07	1.38E-04	1.75E-04	4.63E-04	1.81E-05	1.56E-05	6.71E-04
1083	482129.67	3852341.07	0.03782	0.01538	0.0028	0.00499	1.53E-04	4.59E-04	1.81E-05	1.58E-05	6.46E-04	1.39E-04	4.96E-10	2.41E-07	4.30E-07	1.40E-04	1.77E-04	4.59E-04	1.81E-05	1.58E-05	6.70E-04
1084	482179.67	3852341.07	0.03808	0.01518	0.0028	0.00505	1.54E-04	4.53E-04	1.81E-05	1.59E-05	6.41E-04	1.40E-04	4.89E-10	2.41E-07	4.35E-07	1.41E-04	1.78E-04	4.53E-04	1.81E-05	1.59E-05	6.65E-04
1085	482259.06	3852400.14	0.03889	0.01581	0.0029	0.00518	1.57E-04	4.72E-04	1.83E-05	1.64E-05	6.64E-04	1.43E-04	5.10E-10	2.44E-07	4.46E-07	1.44E-04	1.82E-04	4.72E-04	1.83E-05	1.64E-05	6.88E-04
1086	482309.06	3852400.14	0.03907	0.01533	0.0029	0.00524	1.58E-04	4.57E-04	1.83E-05	1.65E-05	6.50E-04	1.44E-04	4.94E-10	2.44E-07	4.51E-07	1.44E-04	1.83E-04	4.57E-04	1.83E-05	1.65E-05	6.75E-04
1087	482209.06	3852450.14	0.03921	0.01639	0.0029	0.00518	1.58E-04	4.89E-04	1.84E-05	1.64E-05	6.82E-04	1.44E-04	5.28E-10	2.46E-07	4.46E-07	1.45E-04	1.83E-04	4.89E-04	1.84E-05	1.64E-05	7.07E-04
1088	482259.06	3852450.14	0.03958	0.01625	0.0029	0.00524	1.60E-04	4.85E-04	1.84E-05	1.65E-05	6.80E-04	1.46E-04	5.24E-10	2.46E-07	4.51E-07	1.46E-04	1.85E-04	4.85E-04	1.84E-05	1.65E-05	7.05E-04
1089	482309.06	3852450.14	0.0399	0.01589	0.0029	0.00529	1.61E-04	4.74E-04	1.84E-05	1.67E-05	6.70E-04	1.47E-04	5.12E-10	2.46E-07	4.56E-07	1.47E-04	1.87E-04	4.74E-04	1.84E-05	1.67E-05	6.96E-04
1090	482209.06	3852500.14	0.03955	0.01681	0.0029	0.00524	1.60E-04	5.01E-04	1.86E-05	1.65E-05	6.97E-04	1.45E-04	5.42E-10	2.48E-07	4.51E-07	1.46E-04	1.85E-04	5.01E-04	1.86E-05	1.65E-05	7.22E-04
1091	482259.06	3852500.14	0.04014	0.01666	0.0029	0.00529	1.62E-04	4.97E-04	1.86E-05	1.67E-05	6.95E-04	1.48E-04	5.37E-10	2.47E-07	4.56E-07	1.48E-04	1.88E-04	4.97E-04	1.86E-05	1.67E-05	7.20E-04
1092	482309.06	3852500.14	0.04058	0.01644	0.0029	0.00535	1.64E-04	4.90E-04	1.86E-05	1.69E-05	6.90E-04	1.49E-04	5.30E-10	2.47E-07	4.61E-07	1.50E-04	1.90E-04	4.90E-04	1.86E-05	1.69E-05	7.16E-04
1093	482283.91	3852513.62	0.0405	0.01671	0.0029	0.00534	1.64E-04	4.99E-04	1.86E-05	1.69E-05	6.98E-04	1.49E-04	5.39E-10	2.48E-07	4.60E-07	1.50E-04	1.89E-04	4.99E-04	1.86E-05	1.69E-05	7.23E-04
1094	482333.91	3852513.62	0.04087	0.01651	0.0029	0.00539	1.65E-04	4.93E-04	1.86E-05	1.70E-05	6.93E-04	1.50E-04	5.32E-10	2.48E-07	4.64E-07	1.51E-04	1.91E-04	4.93E-04	1.86E-05	1.70E-05	7.19E-04

1095	482283.91	3852563.62	0.04083	0.01723	0.003	0.00539	1.65E-04	5.14E-04	1.88E-05	1.70E-05	7.15E-04	1.50E-04	5.55E-10	2.51E-07	4.64E-07	1.51E-04	1.91E-04	5.14E-04	1.88E-05	1.70E-05	7.41E-04
1096	482333.91	3852563.62	0.04137	0.01713	0.003	0.00545	1.67E-04	5.11E-04	1.88E-05	1.72E-05	7.14E-04	1.52E-04	5.52E-10	2.51E-07	4.69E-07	1.53E-04	1.93E-04	5.11E-04	1.88E-05	1.72E-05	7.41E-04
1097	482383.91	3852563.62	0.04169	0.01701	0.003	0.0055	1.69E-04	5.07E-04	1.88E-05	1.74E-05	7.12E-04	1.53E-04	5.48E-10	2.51E-07	4.74E-07	1.54E-04	1.95E-04	5.07E-04	1.88E-05	1.74E-05	7.39E-04
1098	482283.91	3852613.62	0.04114	0.0176	0.003	0.00546	1.66E-04	5.25E-04	1.89E-05	1.72E-05	7.28E-04	1.51E-04	5.67E-10	2.53E-07	4.70E-07	1.52E-04	1.92E-04	5.25E-04	1.89E-05	1.72E-05	7.54E-04
1099	482333.91	3852613.62	0.0418	0.01759	0.003	0.00552	1.69E-04	5.25E-04	1.89E-05	1.74E-05	7.30E-04	1.54E-04	5.67E-10	2.53E-07	4.75E-07	1.54E-04	1.95E-04	5.25E-04	1.89E-05	1.74E-05	7.57E-04
1100	482383.91	3852613.62	0.04226	0.01757	0.003	0.00557	1.71E-04	5.24E-04	1.89E-05	1.76E-05	7.32E-04	1.55E-04	5.66E-10	2.53E-07	4.80E-07	1.56E-04	1.98E-04	5.24E-04	1.89E-05	1.76E-05	7.58E-04
1101	482602.38	3852600.87	0.04221	0.01609	0.003	0.00571	1.71E-04	4.80E-04	1.90E-05	1.80E-05	6.88E-04	1.55E-04	5.19E-10	2.53E-07	4.92E-07	1.56E-04	1.97E-04	4.80E-04	1.90E-05	1.80E-05	7.14E-04
1102	482652.38	3852600.87	0.04174	0.01589	0.003	0.00574	1.69E-04	4.74E-04	1.91E-05	1.81E-05	6.80E-04	1.53E-04	5.12E-10	2.54E-07	4.94E-07	1.54E-04	1.95E-04	4.74E-04	1.91E-05	1.81E-05	7.06E-04
1103	482702.38	3852600.87	0.04124	0.0152	0.003	0.00577	1.67E-04	4.53E-04	1.92E-05	1.82E-05	6.58E-04	1.52E-04	4.90E-10	2.56E-07	4.97E-07	1.52E-04	1.93E-04	4.53E-04	1.92E-05	1.82E-05	6.84E-04
1104	482552.38	3852650.87	0.04366	0.01708	0.003	0.00575	1.76E-04	5.10E-04	1.91E-05	1.82E-05	7.23E-04	1.61E-04	5.50E-10	2.54E-07	4.95E-07	1.61E-04	2.04E-04	5.10E-04	1.91E-05	1.82E-05	7.51E-04
1105	482602.38	3852650.87	0.04349	0.01681	0.003	0.00578	1.76E-04	5.01E-04	1.91E-05	1.82E-05	7.15E-04	1.60E-04	5.42E-10	2.55E-07	4.98E-07	1.61E-04	2.03E-04	5.01E-04	1.91E-05	1.82E-05	7.42E-04
1106	482652.38	3852650.87	0.04311	0.01662	0.003	0.00581	1.74E-04	4.96E-04	1.92E-05	1.83E-05	7.08E-04	1.58E-04	5.36E-10	2.56E-07	5.00E-07	1.59E-04	2.02E-04	4.96E-04	1.92E-05	1.83E-05	7.35E-04
1107	482702.38	3852650.87	0.04262	0.01639	0.003	0.00583	1.72E-04	4.89E-04	1.93E-05	1.84E-05	6.99E-04	1.57E-04	5.28E-10	2.57E-07	5.02E-07	1.57E-04	1.99E-04	4.89E-04	1.93E-05	1.84E-05	7.26E-04
1108	482552.38	3852700.87	0.0447	0.01768	0.003	0.00583	1.81E-04	5.27E-04	1.92E-05	1.84E-05	7.46E-04	1.64E-04	5.70E-10	2.56E-07	5.02E-07	1.65E-04	2.09E-04	5.27E-04	1.92E-05	1.84E-05	7.74E-04
1109	482602.38	3852700.87	0.04463	0.01754	0.003	0.00586	1.80E-04	5.23E-04	1.93E-05	1.85E-05	7.41E-04	1.64E-04	5.65E-10	2.57E-07	5.05E-07	1.65E-04	2.09E-04	5.23E-04	1.93E-05	1.85E-05	7.70E-04
1110	482652.38	3852700.87	0.04423	0.01763	0.003	0.00588	1.79E-04	5.26E-04	1.93E-05	1.86E-05	7.43E-04	1.63E-04	5.68E-10	2.58E-07	5.06E-07	1.63E-04	2.07E-04	5.26E-04	1.93E-05	1.86E-05	7.71E-04
1111	482702.38	3852700.87	0.04393	0.01734	0.003	0.0059	1.78E-04	5.17E-04	1.94E-05	1.86E-05	7.33E-04	1.62E-04	5.59E-10	2.59E-07	5.08E-07	1.62E-04	2.05E-04	5.17E-04	1.94E-05	1.86E-05	7.61E-04
1112	482452.38	3852750.87	0.04445	0.01863	0.003	0.00584	1.80E-04	5.56E-04	1.94E-05	1.84E-05	7.73E-04	1.63E-04	6.00E-10	2.59E-07	5.03E-07	1.64E-04	2.08E-04	5.56E-04	1.94E-05	1.84E-05	8.02E-04
1113	482521.29	3852749.74	0.04528	0.01842	0.003	0.00589	1.83E-04	5.50E-04	1.94E-05	1.86E-05	7.71E-04	1.66E-04	5.94E-10	2.59E-07	5.07E-07	1.67E-04	2.12E-04	5.50E-04	1.94E-05	1.86E-05	7.99E-04
1114	482571.29	3852749.74	0.04558	0.01826	0.003	0.00593	1.84E-04	5.45E-04	1.94E-05	1.87E-05	7.67E-04	1.68E-04	5.89E-10	2.59E-07	5.11E-07	1.68E-04	2.13E-04	5.45E-04	1.94E-05	1.87E-05	7.96E-04
1115	482521.29	3852799.74	0.04577	0.01902	0.0031	0.00598	1.85E-04	5.67E-04	1.96E-05	1.89E-05	7.91E-04	1.68E-04	6.13E-10	2.61E-07	5.15E-07	1.69E-04	2.14E-04	5.67E-04	1.96E-05	1.89E-05	8.20E-04
1116	482571.29	3852799.74	0.04631	0.01889	0.0031	0.00602	1.87E-04	5.64E-04	1.96E-05	1.90E-05	7.89E-04	1.70E-04	6.09E-10	2.61E-07	5.18E-07	1.71E-04	2.17E-04	5.64E-04	1.96E-05	1.90E-05	8.19E-04
1117	482621.29	3852799.74	0.04662	0.01872	0.0031	0.00605	1.88E-04	5.58E-04	1.96E-05	1.91E-05	7.86E-04	1.71E-04	6.03E-10	2.61E-07	5.21E-07	1.72E-04	2.18E-04	5.58E-04	1.96E-05	1.91E-05	8.15E-04
1118	482571.29	3852849.74	0.04696	0.01939	0.0031	0.00611	1.90E-04	5.78E-04	1.97E-05	1.93E-05	8.07E-04	1.73E-04	6.25E-10	2.63E-07	5.26E-07	1.73E-04	2.20E-04	5.78E-04	1.97E-05	1.93E-05	8.37E-04
1119	482621.29	3852849.74	0.04757	0.01917	0.0031	0.00614	1.92E-04	5.72E-04	1.97E-05	1.94E-05	8.03E-04	1.75E-04	6.18E-10	2.63E-07	5.29E-07	1.76E-04	2.22E-04	5.72E-04	1.97E-05	1.94E-05	8.33E-04
1120	482577.42	3852901.55	0.04757	0.01983	0.0031	0.00622	1.92E-04	5.92E-04	1.99E-05	1.96E-05	8.23E-04	1.75E-04	6.39E-10	2.65E-07	5.36E-07	1.76E-04	2.22E-04	5.92E-04	1.99E-05	1.96E-05	8.54E-04
1121	482627.42	3852901.55	0.04845	0.0196	0.0031	0.00625	1.96E-04	5.85E-04	1.99E-05	1.97E-05	8.20E-04	1.78E-04	6.32E-10	2.65E-07	5.38E-07	1.79E-04	2.27E-04	5.85E-04	1.99E-05	1.97E-05	8.51E-04
1122	482629.96	3852955.85	0.049	0.02017	0.0032	0.00637	1.98E-04	6.02E-04	2.01E-05	2.01E-05	8.40E-04	1.80E-04	6.50E-10	2.68E-07	5.49E-07	1.81E-04	2.29E-04	6.02E-04	2.01E-05	2.01E-05	8.71E-04
1123	482679.96	3852955.85	0.0499	0.01995	0.0032	0.00639	2.02E-04	5.95E-04	2.01E-05	2.02E-05	8.37E-04	1.83E-04	6.43E-10	2.68E-07	5.50E-07	1.84E-04	2.33E-04	5.95E-04	2.01E-05	2.02E-05	8.69E-04
1124	482781.63	3853034.48	0.05258	0.02025	0.0032	0.0066	2.13E-04	6.04E-04	2.03E-05	2.08E-05	8.58E-04	1.93E-04	6.53E-10	2.71E-07	5.68E-07	1.94E-04	2.46E-04	6.04E-04	2.03E-05	2.08E-05	8.91E-04
1125	482831.63	3853034.48	0.05309	0.01994	0.0032	0.0066	2.15E-04	5.95E-04	2.03E-05	2.08E-05	8.51E-04	1.95E-04	6.43E-10	2.70E-07	5.68E-07	1.96E-04	2.48E-04	5.95E-04	2.03E-05	2.08E-05	8.84E-04
1126	482881.63	3853034.48	0.05325	0.01964	0.0032	0.00659	2.15E-04	5.86E-04	2.03E-05	2.08E-05	8.42E-04	1.96E-04	6.33E-10	2.71E-07	5.67E-07	1.97E-04	2.49E-04	5.86E-04	2.03E-05	2.08E-05	8.76E-04
1127	482781.63	3853084.48	0.0533	0.02087	0.0032	0.00673	2.15E-04	6.23E-04	2.05E-05	2.12E-05	8.80E-04	1.96E-04	6.73E-10	2.73E-07	5.80E-07	1.97E-04	2.49E-04	6.23E-04	2.05E-05	2.12E-05	9.14E-04
1128	482831.63	3853084.48	0.05415	0.02055	0.0032	0.00673	2.19E-04	6.13E-04	2.05E-05	2.12E-05	8.74E-04	1.99E-04	6.62E-10	2.73E-07	5.80E-07	2.00E-04	2.53E-04	6.13E-04	2.05E-05	2.12E-05	9.08E-04
1129	482881.63	3853084.48	0.05462	0.02026	0.0032	0.00671	2.21E-04	6.04E-04	2.05E-05	2.12E-05	8.67E-04	2.01E-04	6.53E-10	2.73E-07	5.78E-07	2.02E-04	2.55E-04	6.04E-04	2.05E-05	2.12E-05	9.02E-04
1130	482781.63	3853134.48	0.05366	0.02157	0.0033	0.00686	2.17E-04	6.44E-04	2.07E-05	2.17E-05	9.03E-04	1.97E-04	6.95E-10	2.76E-07	5.91E-07	1.98E-04	2.51E-04	6.44E-04	2.07E-05	2.17E-05	9.37E-04
1131	482831.63	3853134.48	0.05486	0.02126	0.0032	0.00686	2.22E-04	6.34E-04	2.07E-05	2.17E-05	8.98E-04	2.02E-04	6.85E-10	2.76E-07	5.91E-07	2.03E-04	2.57E-04	6.34E-04	2.07E-05	2.17E-05	9.33E-04
1132	482881.63	3853134.48	0.05564	0.02104	0.0032	0.00685	2.25E-04	6.28E-04	2.07E-05	2.16E-05	8.95E-04	2.05E-04	6.78E-10	2.76E-07	5.90E-07	2.05E-04	2.60E-04	6.28E-04	2.07E-05	2.16E-05	9.30E-04
1133	482831.63	3853184.48	0.05526	0.02199	0.0033	0.007	2.23E-04	6.56E-04	2.09E-05	2.21E-05	9.22E-04	2.03E-04	7.09E-10	2.79E-07	6.03E-07	2.04E-04	2.58E-04	6.56E-04	2.09E-05	2.21E-05	9.57E-04
1134	482881.63	3853184.48	0.05639	0.02178	0.0033	0.00699	2.28E-04	6.50E-04	2.09E-05	2.21E-05	9.21E-04	2.07E-04	7.02E-10	2.79E-07	6.02E-07	2.08E-04	2.64E-04	6.50E-04	2.09E-05	2.21E-05	9.56E-04
1135	484154.84	3854250.98	0.1117	0.02081	0.0041	0.02044	4.52E-04	6.21E-04	2.63E-05	6.45E-05	1.16E-03	4.11E-04	6.71E-10	3.50E-07	1.76E-06	4.13E-04	5.22E-04	6.21E-04	2.63E-05	6.45E-05	1.23E-03
1136	484204.84	3854250.98	0.10752	0.02077	0.0042	0.02063	4.35E-04	6.20E-04	2.65E-05	6.51E-05	1.15E-03	3.95E-04	6.69E-10	3.54E-07	1.78E-06	3.97E-04	5.03E-04	6.20E-04	2.65E-05	6.51E-05	1.21E-03
1137	484154.84	3854300.98	0.11399	0.02127	0.0041	0.0227	4.61E-04	6.35E-04	2.64E-05	7.17E-05	1.19E-03	4.19E-04	6.86E-10	3.52E-07	1.95E-06	4.21E-04	5.33E-04	6.35E-04	2.64E-05	7.17E-05	1.27E-03
1138	484204.84	3854300.98	0.11113	0.0215	0.0042	0.02287	4.49E-04	6.41E-04	2.66E-05	7.22E-05	1.19E-03	4.09E-04	6.93E-10	3.55E-07	1.97E-06	4.11E-04	5.20E-04	6.41E-04	2.66E-05	7.22E-05	1.26E-03
1139	484074.19	3854519.8	0.13163	0.0288	0.0043	0.03753	5.32E-04	8.59E-04	2.74E-05	1.18E-04	1.54E-03	4.84E-04	9.28E-10	3.66E-07	3.23E-06	4.88E-04	6.16E-04	8.59E-04	2.74E-05	1.18E-04	1.62E-03
1140	484124.19	3854519.8	0.1303	0.02854	0.0043	0.03686	5.27E-04	8.51E-04	2.75E-05	1.16E-04	1.52E-03	4.79E-04	9.20E-10	3.67E-07	3.17E-06	4.83E-04	6.09E-04	8.51E-04	2.75E-05	1.16E-04	1.60E-03
1141	484074.19	3854569.8	0.13454	0.0318	0.0043	0.04192	5.44E-04	9.49E-04	2.77E-05	1.32E-04	1.65E-03	4.95E-04	1.02E-09	3.69E-07	3.61E-06	4.99E-04	6.29E-04	9.49E-04	2.77E-05	1.32E-04	1.74E-03
1142	484124.19	3854569.8	0.13139	0.03126	0.0044	0.04078	5.31E-04	9.33E-04	2.77E-05	1.29E-04	1.62E-03	4.83E-04	1.01E-09	3.70E-07	3.51E-06	4.87E-04	6.14E-04	9.33E-04	2.77E-05	1.29E-04	1.70E-03
1143	485205.11	3855188.89	1.97715	0.09516	0.0055	0.03793	7.99E-03	2.84E-03	3.50E-05	1.20E-04	1.10E-02	7.27E-03	3.07E-09	4.67E-07	3.27E-06	7.27E-03	9.25E-03	2.84E-03	3.50E-05	1.20E-04	1.22E-02
1144	485255.11	3855188.89	1.75153	0.09212	0.0056	0.03825	7.08E-03	2.75E-03	3.58E-05	1.21E-04	9.98E-03	6.44E-03	2.97E-09	4.77E-07	3.29E-06	6.44E-03	8.19E-03	2.75E-03	3.58E-05	1.21E-04	1.11E-02
1145	485205.11	3855238.89	2.37519	0.09965	0.0055	0.04014	9.60E-03	2.97E-03	3.51E-05	1.27E-04	1.27E-02	8.73E-03	3.21E-09	4.69E-07	3.46E-06	8.74E-03	1.11E-02	2.97E-03	3.51E-05	1.27E-04	1.42E-02
1146	485255.11	3855238.89	2.16161	0.09819	0.0056	0.04059	8.74E-03	2.93E-03	3.57E-05	1.28E-04	1.18E-02	7.95E-03	3.16E-09	4.75E-07	3.50E-06	7.95E-03	1.01E-02	2.93E-03	3.57E-05	1.28E-04	1.32E-02
1147	485205.11	3855288.89	3.19091	0.10936	0.0055	0.04273	1.29E-02	3.26E-03	3.53E-05	1.35E-04	1.63E-02	1.17E-02	3.52E-09	4.70E-07	3.68E-06	1.17E-02	1.49E-02	3.26E-03	3.53E-05	1.35E-04	1.84E-02
1148	485255.11	3855288.89	2.78051	0.10735	0.0056	0.04332	1.12E-02	3.20E-03	3.57E-05	1.37E-04	1.46E-02	1.02E-02	3.46E-09	4.75E-07	3.73E-06	1.02E-02	1.30E-02	3.20E-03	3.57E-05	1.37E-04	1.64E-02
1149	485255.11	3855338.89	3.57905	0.11752	0.0056	0.04653	1.45E-02	3.51E-03	3.58E-05	1.47E-04	1.82E-02	1.32E-02	3.79E-09	4.78E-07	4.01E-06	1.32E-02	1.67E-02	3.51E-03	3.58E-05	1.47E-04	2.04E-02
1150	485305.11	3855338.89	3.09681	0.11398	0.0057	0.04705	1.25E-02	3.40E-03	3.62E-05	1.49E-04	1.61E-02	1.14E-02	3.67E-09	4.83E-07	4.05E-06	1.14E-02	1.45E-02	3.40E-03	3.62E-05	1.49E-04	1.81E-02
1151	485852.5	3855635.28	2.72636	0.1403	0.007	0.0673	1.10E-02	4.19E-03	4.48E-05	2.12E-04	1.55E-02	1.00E-02	4.52E-09	5.97E-07	5.80E-06	1.00E-02	1.28E-02	4.19E-03	4.48E-05	2.12E-04	1.72E-02
1152	485902.5	3855635.28	2.49121	0.13638	0.0073	0.06661	1.01E-02	4.07E-03	4.64E-05	2.10E-04	1.44E-02	9.16E-03	4.40E-09	6.19E-07	5.74E-06	9.17E-03	1.17E-02	4.07E-03	4.64E-05	2.10E-04	1.60E-02
1153	485852.5	3855685.28	3.04006	0.14852	0.007	0.07165	1.23E-02	4.43E-03	4.45E-05	2.26E-04	1.70E-02	1.12E-02	4.79E-09	5.93E-07	6.17E-06	1.12E-02	1.42E-02	4.43E-03	4.45E-05	2.26E-04	1.89E-02
1154	485902.5	3855685.28	2.75907	0.14424	0.0072	0.07083	1.12E-02	4.30E-03	4.59E-05	2.24E-04	1.57E-02	1.01E-02	4.65E-09	6.12E-07	6.10E-06	1.02E-02	1.29E-02	4.30E-03	4.59E-05	2.24E-04	1.75E-02
1155	485852.5	3855735.28	3.41337	0.15732	0.0069	0.07633	1.38E-02	4.69E-03	4.43E-05	2.41E-04	1.88E-02	1.25E-02	5.07E-09	5.90E-07	6.57E-06	1.26E-02	1.60E-02	4.69E-03	4.43E-05	2.41E-04	2.09E-02

1156	485902.5	3855735.28	3.10426	0.15385	0.0071	0.07525	1.25E-02	4.59E-03	4.54E-05	2.38E-04	1.74E-02	1.14E-02	4.96E-09	6.06E-07	6.48E-06	1.14E-02	1.45E-02	4.59E-03	4.54E-05	2.38E-04	1.94E-02
1157	485852.5	3855785.28	3.91844	0.16826	0.0069	0.08112	1.58E-02	5.02E-03	4.43E-05	2.56E-04	2.12E-02	1.44E-02	5.42E-09	5.90E-07	6.99E-06	1.44E-02	1.83E-02	5.02E-03	4.43E-05	2.56E-04	2.36E-02
1158	485902.5	3855785.28	3.4655	0.16232	0.0071	0.07982	1.40E-02	4.84E-03	4.53E-05	2.52E-04	1.91E-02	1.27E-02	5.23E-09	6.04E-07	6.87E-06	1.27E-02	1.62E-02	4.84E-03	4.53E-05	2.52E-04	2.13E-02
1159	486809.46	3856465.28	3.07921	0.22399	0.0118	0.05663	1.24E-02	6.68E-03	7.52E-05	1.79E-04	1.94E-02	1.13E-02	7.22E-09	1.00E-06	4.88E-06	1.13E-02	1.44E-02	6.68E-03	7.52E-05	1.79E-04	2.13E-02
1160	486859.46	3856465.28	2.90223	0.22198	0.012	0.05509	1.17E-02	6.62E-03	7.64E-05	1.74E-04	1.86E-02	1.07E-02	7.15E-09	1.02E-06	4.74E-06	1.07E-02	1.36E-02	6.62E-03	7.64E-05	1.74E-04	2.04E-02
1161	486909.46	3856465.28	2.7379	0.21933	0.0122	0.05366	1.11E-02	6.54E-03	7.76E-05	1.69E-04	1.79E-02	1.01E-02	7.07E-09	1.04E-06	4.62E-06	1.01E-02	1.28E-02	6.54E-03	7.76E-05	1.69E-04	1.96E-02
1162	486809.46	3856515.28	3.36633	0.23278	0.0119	0.0549	1.36E-02	6.94E-03	7.61E-05	1.73E-04	2.08E-02	1.24E-02	7.50E-09	1.01E-06	4.73E-06	1.24E-02	1.57E-02	6.94E-03	7.61E-05	1.73E-04	2.29E-02
1163	486859.46	3856515.28	3.1594	0.23125	0.0122	0.05339	1.28E-02	6.90E-03	7.76E-05	1.69E-04	1.99E-02	1.16E-02	7.45E-09	1.03E-06	4.60E-06	1.16E-02	1.48E-02	6.90E-03	7.76E-05	1.69E-04	2.19E-02
1164	486909.46	3856515.28	2.96809	0.2289	0.0124	0.052	1.20E-02	6.83E-03	7.89E-05	1.64E-04	1.91E-02	1.09E-02	7.38E-09	1.05E-06	4.48E-06	1.09E-02	1.39E-02	6.83E-03	7.89E-05	1.64E-04	2.10E-02
1165	486980.94	3856357.95	2.20907	0.19907	0.0123	0.05441	8.93E-03	5.94E-03	7.85E-05	1.72E-04	1.51E-02	8.12E-03	6.42E-09	1.05E-06	4.69E-06	8.13E-03	1.03E-02	5.94E-03	7.85E-05	1.72E-04	1.65E-02
1166	487030.94	3856357.95	2.11731	0.19727	0.0128	0.05313	8.56E-03	5.89E-03	8.16E-05	1.68E-04	1.47E-02	7.78E-03	6.36E-09	1.09E-06	4.58E-06	7.79E-03	9.90E-03	5.89E-03	8.16E-05	1.68E-04	1.60E-02
1167	486980.94	3856407.95	2.35739	0.20749	0.0124	0.05327	9.53E-03	6.19E-03	7.88E-05	1.68E-04	1.60E-02	8.67E-03	6.69E-09	1.05E-06	4.59E-06	8.67E-03	1.10E-02	6.19E-03	7.88E-05	1.68E-04	1.75E-02
1168	487030.94	3856407.95	2.25109	0.20533	0.0128	0.05201	9.10E-03	6.13E-03	8.17E-05	1.64E-04	1.55E-02	8.28E-03	6.62E-09	1.09E-06	4.48E-06	8.28E-03	1.05E-02	6.13E-03	8.17E-05	1.64E-04	1.69E-02
1169	487447.18	3856437.45	1.6837	0.19505	0.0173	0.04316	6.81E-03	5.82E-03	1.10E-04	1.36E-04	1.29E-02	6.19E-03	6.29E-09	1.47E-06	3.72E-06	6.20E-03	7.87E-03	5.82E-03	1.10E-04	1.36E-04	1.39E-02
1170	487497.18	3856437.45	1.6277	0.19352	0.0183	0.04236	6.58E-03	5.77E-03	1.17E-04	1.34E-04	1.26E-02	5.98E-03	6.24E-09	1.56E-06	3.65E-06	5.99E-03	7.61E-03	5.77E-03	1.17E-04	1.34E-04	1.36E-02
1171	487547.18	3856437.45	1.5751	0.19222	0.0194	0.04158	6.37E-03	5.73E-03	1.24E-04	1.31E-04	1.24E-02	5.79E-03	6.20E-09	1.65E-06	3.58E-06	5.80E-03	7.37E-03	5.73E-03	1.24E-04	1.31E-04	1.34E-02
1172	487447.18	3856487.45	1.75893	0.202	0.0175	0.04205	7.11E-03	6.03E-03	1.12E-04	1.33E-04	1.34E-02	6.47E-03	6.51E-09	1.49E-06	3.62E-06	6.47E-03	8.23E-03	6.03E-03	1.12E-04	1.33E-04	1.45E-02
1173	487497.18	3856487.45	1.69673	0.20019	0.0185	0.04129	6.86E-03	5.97E-03	1.18E-04	1.30E-04	1.31E-02	6.24E-03	6.45E-09	1.57E-06	3.56E-06	6.24E-03	7.93E-03	5.97E-03	1.18E-04	1.30E-04	1.42E-02
1174	487547.18	3856487.45	1.64406	0.19882	0.0196	0.04055	6.65E-03	5.93E-03	1.25E-04	1.28E-04	1.28E-02	6.04E-03	6.41E-09	1.67E-06	3.49E-06	6.05E-03	7.69E-03	5.93E-03	1.25E-04	1.28E-04	1.39E-02
1175	487447.18	3856537.45	1.84308	0.20894	0.0178	0.04088	7.45E-03	6.23E-03	1.13E-04	1.29E-04	1.39E-02	6.78E-03	6.73E-09	1.51E-06	3.52E-06	6.78E-03	8.62E-03	6.23E-03	1.13E-04	1.29E-04	1.51E-02
1176	487497.18	3856537.45	1.77337	0.20683	0.0187	0.04017	7.17E-03	6.17E-03	1.19E-04	1.27E-04	1.36E-02	6.52E-03	6.67E-09	1.59E-06	3.46E-06	6.52E-03	8.29E-03	6.17E-03	1.19E-04	1.27E-04	1.47E-02
1177	487547.18	3856537.45	1.70921	0.20557	0.0198	0.03947	6.91E-03	6.13E-03	1.26E-04	1.25E-04	1.33E-02	6.28E-03	6.63E-09	1.68E-06	3.40E-06	6.29E-03	7.99E-03	6.13E-03	1.26E-04	1.25E-04	1.44E-02
1178	489285.89	3858826.54	0.10588	0.69722	0.047	0.07792	4.28E-04	2.08E-02	3.00E-04	2.46E-04	2.18E-02	3.89E-04	2.25E-08	4.00E-06	6.71E-06	4.00E-04	4.95E-04	2.08E-02	3.00E-04	2.46E-04	2.18E-02
1179	489335.89	3858826.54	0.10543	0.67801	0.0485	0.077	4.26E-04	2.02E-02	3.09E-04	2.43E-04	2.12E-02	3.88E-04	2.19E-08	4.12E-06	6.63E-06	3.98E-04	4.93E-04	2.02E-02	3.09E-04	2.43E-04	2.13E-02
1180	489385.89	3858826.54	0.10516	0.65837	0.0498	0.07602	4.25E-04	1.96E-02	3.18E-04	2.40E-04	2.06E-02	3.87E-04	2.12E-08	4.24E-06	6.55E-06	3.97E-04	4.92E-04	1.96E-02	3.18E-04	2.40E-04	2.07E-02
1181	489435.89	3858826.54	0.10498	0.64059	0.0511	0.07505	4.24E-04	1.91E-02	3.26E-04	2.37E-04	2.01E-02	3.86E-04	2.06E-08	4.34E-06	6.46E-06	3.97E-04	4.91E-04	1.91E-02	3.26E-04	2.37E-04	2.02E-02
1182	489485.89	3858826.54	0.10489	0.62398	0.0521	0.07407	4.24E-04	1.86E-02	3.33E-04	2.34E-04	1.96E-02	3.86E-04	2.01E-08	4.43E-06	6.38E-06	3.96E-04	4.91E-04	1.86E-02	3.33E-04	2.34E-04	1.97E-02
1183	489535.89	3858826.54	0.10494	0.60796	0.0531	0.0731	4.24E-04	1.81E-02	3.39E-04	2.31E-04	1.91E-02	3.86E-04	1.96E-08	4.51E-06	6.29E-06	3.97E-04	4.91E-04	1.81E-02	3.39E-04	2.31E-04	1.92E-02
1184	489585.89	3858826.54	0.10507	0.59287	0.0539	0.07214	4.25E-04	1.77E-02	3.44E-04	2.28E-04	1.87E-02	3.86E-04	1.91E-08	4.58E-06	6.21E-06	3.97E-04	4.91E-04	1.77E-02	3.44E-04	2.28E-04	1.88E-02
1185	489635.89	3858826.54	0.10533	0.57793	0.0546	0.07118	4.26E-04	1.72E-02	3.48E-04	2.25E-04	1.82E-02	3.87E-04	1.86E-08	4.64E-06	6.13E-06	3.98E-04	4.93E-04	1.72E-02	3.48E-04	2.25E-04	1.83E-02
1186	489685.89	3858826.54	0.1057	0.56346	0.0552	0.07024	4.27E-04	1.68E-02	3.52E-04	2.22E-04	1.78E-02	3.89E-04	1.82E-08	4.70E-06	6.05E-06	3.99E-04	4.94E-04	1.68E-02	3.52E-04	2.22E-04	1.79E-02
1187	489735.89	3858826.54	0.10614	0.54957	0.0558	0.06931	4.29E-04	1.64E-02	3.56E-04	2.19E-04	1.74E-02	3.90E-04	1.77E-08	4.74E-06	5.97E-06	4.01E-04	4.96E-04	1.64E-02	3.56E-04	2.19E-04	1.75E-02
1188	489785.89	3858826.54	0.10661	0.53707	0.0563	0.0684	4.31E-04	1.60E-02	3.59E-04	2.16E-04	1.70E-02	3.92E-04	1.73E-08	4.79E-06	5.89E-06	4.03E-04	4.99E-04	1.60E-02	3.59E-04	2.16E-04	1.71E-02
1189	489835.89	3858826.54	0.1072	0.52406	0.0567	0.06748	4.33E-04	1.56E-02	3.62E-04	2.13E-04	1.66E-02	3.94E-04	1.69E-08	4.82E-06	5.81E-06	4.05E-04	5.01E-04	1.56E-02	3.62E-04	2.13E-04	1.67E-02
1190	489885.89	3858826.54	0.10775	0.51275	0.0571	0.06658	4.36E-04	1.53E-02	3.64E-04	2.10E-04	1.63E-02	3.96E-04	1.65E-08	4.86E-06	5.73E-06	4.07E-04	5.04E-04	1.53E-02	3.64E-04	2.10E-04	1.64E-02
1191	489935.89	3858826.54	0.10836	0.5016	0.0575	0.06568	4.38E-04	1.50E-02	3.67E-04	2.07E-04	1.60E-02	3.98E-04	1.62E-08	4.89E-06	5.66E-06	4.09E-04	5.07E-04	1.50E-02	3.67E-04	2.07E-04	1.60E-02
1192	489985.89	3858826.54	0.10902	0.49057	0.0579	0.06479	4.41E-04	1.46E-02	3.69E-04	2.05E-04	1.56E-02	4.01E-04	1.58E-08	4.92E-06	5.58E-06	4.11E-04	5.10E-04	1.46E-02	3.69E-04	2.05E-04	1.57E-02
1193	490035.89	3858826.54	0.10976	0.47879	0.0581	0.0639	4.44E-04	1.43E-02	3.71E-04	2.02E-04	1.53E-02	4.04E-04	1.54E-08	4.94E-06	5.50E-06	4.14E-04	5.13E-04	1.43E-02	3.71E-04	2.02E-04	1.54E-02
1194	489285.89	3858876.54	0.10302	0.74909	0.0413	0.08254	4.16E-04	2.23E-02	2.63E-04	2.61E-04	2.33E-02	3.79E-04	2.41E-08	3.51E-06	7.11E-06	3.89E-04	4.82E-04	2.23E-02	2.63E-04	2.61E-04	2.34E-02
1195	489335.89	3858876.54	0.10246	0.72481	0.0426	0.08138	4.14E-04	2.16E-02	2.72E-04	2.57E-04	2.26E-02	3.77E-04	2.34E-08	3.62E-06	7.01E-06	3.87E-04	4.79E-04	2.16E-02	2.72E-04	2.57E-04	2.26E-02
1196	489385.89	3858876.54	0.10199	0.70248	0.0439	0.0802	4.12E-04	2.10E-02	2.80E-04	2.53E-04	2.19E-02	3.75E-04	2.26E-08	3.73E-06	6.91E-06	3.86E-04	4.77E-04	2.10E-02	2.80E-04	2.53E-04	2.20E-02
1197	489435.89	3858876.54	0.10164	0.68132	0.0451	0.07902	4.11E-04	2.03E-02	2.88E-04	2.49E-04	2.13E-02	3.74E-04	2.20E-08	3.84E-06	6.80E-06	3.84E-04	4.75E-04	2.03E-02	2.88E-04	2.49E-04	2.13E-02
1198	489485.89	3858876.54	0.1014	0.66133	0.0462	0.07785	4.10E-04	1.97E-02	2.95E-04	2.46E-04	2.07E-02	3.73E-04	2.13E-08	3.93E-06	6.70E-06	3.83E-04	4.74E-04	1.97E-02	2.95E-04	2.46E-04	2.07E-02
1199	489535.89	3858876.54	0.10129	0.64227	0.0472	0.07669	4.09E-04	1.92E-02	3.01E-04	2.42E-04	2.01E-02	3.72E-04	2.07E-08	4.02E-06	6.60E-06	3.83E-04	4.74E-04	1.92E-02	3.01E-04	2.42E-04	2.02E-02
1200	489585.89	3858876.54	0.10133	0.62338	0.0481	0.07554	4.10E-04	1.86E-02	3.07E-04	2.39E-04	1.96E-02	3.73E-04	2.01E-08	4.09E-06	6.50E-06	3.83E-04	4.74E-04	1.86E-02	3.07E-04	2.39E-04	1.96E-02
1201	489635.89	3858876.54	0.1014	0.60679	0.0489	0.07444	4.10E-04	1.81E-02	3.12E-04	2.35E-04	1.91E-02	3.73E-04	1.96E-08	4.16E-06	6.41E-06	3.83E-04	4.74E-04	1.81E-02	3.12E-04	2.35E-04	1.91E-02
1202	489685.89	3858876.54	0.1016	0.59038	0.0496	0.07335	4.11E-04	1.76E-02	3.16E-04	2.32E-04	1.86E-02	3.74E-04	1.90E-08	4.22E-06	6.32E-06	3.84E-04	4.75E-04	1.76E-02	3.16E-04	2.32E-04	1.86E-02
1203	489735.89	3858876.54	0.10191	0.57429	0.0502	0.07226	4.12E-04	1.71E-02	3.20E-04	2.28E-04	1.81E-02	3.75E-04	1.85E-08	4.27E-06	6.22E-06	3.85E-04	4.77E-04	1.71E-02	3.20E-04	2.28E-04	1.82E-02
1204	489785.89	3858876.54	0.10224	0.56013	0.0507	0.07121	4.13E-04	1.67E-02	3.24E-04	2.25E-04	1.77E-02	3.76E-04	1.81E-08	4.31E-06	6.13E-06	3.86E-04	4.78E-04	1.67E-02	3.24E-04	2.25E-04	1.77E-02
1205	489835.89	3858876.54	0.10269	0.54577	0.0512	0.07016	4.15E-04	1.63E-02	3.27E-04	2.22E-04	1.72E-02	3.78E-04	1.76E-08	4.35E-06	6.04E-06	3.88E-04	4.80E-04	1.63E-02	3.27E-04	2.22E-04	1.73E-02
1206	489885.89	3858876.54	0.1031	0.53374	0.0517	0.06914	4.17E-04	1.59E-02	3.30E-04	2.18E-04	1.69E-02	3.79E-04	1.72E-08	4.40E-06	5.95E-06	3.89E-04	4.82E-04	1.59E-02	3.30E-04	2.18E-04	1.70E-02
1207	489935.89	3858876.54	0.10369	0.52034	0.0521	0.06811	4.19E-04	1.55E-02	3.32E-04	2.15E-04	1.65E-02	3.81E-04	1.68E-08	4.43E-06	5.86E-06	3.92E-04	4.85E-04	1.55E-02	3.32E-04	2.15E-04	1.66E-02
1208	489985.89	3858876.54	0.10433	0.50719	0.0525	0.0671	4.22E-04	1.51E-02	3.35E-04	2.12E-04	1.61E-02	3.84E-04	1.63E-08	4.46E-06	5.78E-06	3.94E-04	4.88E-04	1.51E-02	3.35E-04	2.12E-04	1.62E-02
1209	490035.89	3858876.54	0.10499	0.49484	0.0528	0.06611	4.24E-04	1.48E-02	3.37E-04	2.09E-04	1.57E-02	3.86E-04	1.59E-08	4.49E-06	5.69E-06	3.96E-04	4.91E-04	1.48E-02	3.37E-04	2.09E-04	1.58E-02
1210	489285.89	3858926.54	0.10039	0.80295	0.0366	0.08746	4.06E-04	2.40E-02	2.33E-04	2.76E-04	2.49E-02	3.69E-04	2.59E-08	3.11E-06	7.53E-06	3.80E-04	4.69E-04	2.40E-02	2.33E-04	2.76E-04	2.49E-02
1211	489335.89	3858926.54	0.09975	0.77336	0.0378	0.08603	4.03E-04	2.31E-02	2.41E-04	2.72E-04	2.40E-02	3.67E-04	2.49E-08	3.21E-06	7.41E-06	3.77E-04	4.66E-04	2.31E-02	2.41E-04	2.72E-04	2.41E-02
1212	489385.89	3858926.54	0.09921	0.74531	0.039	0.08458	4.01E-04	2.22E-02	2.49E-04	2.67E-04	2.32E-02	3.65E-04	2.40E-08	3.32E-06	7.28E-06	3.75E-04	4.64E-04	2.22E-02	2.49E-04	2.67E-04	2.32E-02
1213	489435.89	3858926.54	0.09872	0.7206	0.0401	0.08318	3.99E-04	2.15E-02	2.56E-04	2.63E-04	2.24E-02	3.63E-04	2.32E-08	3.41E-06	7.16E-06	3.74E-04	4.62E-04	2.15E-02	2.56E-04	2.63E-04	2.25E-02
1214	489485.89	3858926.54	0.09835	0.69721	0.0412	0.08181	3.98E-04	2.08E-02	2.63E-04	2.58E-04	2.17E-02	3.62E-04	2.25E-08	3.50E-06	7.04E-06	3.72E-04	4.60E-04	2.08E-02	2.63E-04	2.58E-04	2.18E-02
1215	489535.89	3858926.54	0.09809	0.67524	0.0422	0.08047	3.96E-04	2.01E-02	2.69E-04	2.54E-04	2.11E-02	3.61E-04	2.18E-08	3.59E-06	6.93E-06	3.71E-04	4.59E-04	2.01E-02	2.69E-04	2.54E-04	2.11E-02
1216	489585.89	3858926.54	0.09794	0.65436	0.0431	0.07917	3.96E-04	1.95E-02	2.75E-04	2.50E-04	2.04E-02	3.60E-04	2.11E-08	3.67E-06	6.82E-06	3.71E-04	4.58E-04	1.95E-02	2.75E-04	2.50E-04	2.05E-02

1217	489635.89	3858926.54	0.09789	0.63487	0.044	0.0779	3.96E-04	1.89E-02	2.80E-04	2.46E-04	1.99E-02	3.60E-04	2.05E-08	3.74E-06	6.71E-06	3.70E-04	4.58E-04	1.89E-02	2.80E-04	2.46E-04	1.99E-02
1218	489685.89	3858926.54	0.09797	0.61567	0.0447	0.07664	3.96E-04	1.84E-02	2.85E-04	2.42E-04	1.93E-02	3.60E-04	1.98E-08	3.80E-06	6.60E-06	3.71E-04	4.58E-04	1.84E-02	2.85E-04	2.42E-04	1.94E-02
1219	489735.89	3858926.54	0.09807	0.599	0.0453	0.07542	3.96E-04	1.79E-02	2.89E-04	2.38E-04	1.88E-02	3.61E-04	1.93E-08	3.86E-06	6.49E-06	3.71E-04	4.59E-04	1.79E-02	2.89E-04	2.38E-04	1.89E-02
1220	489785.89	3858926.54	0.09825	0.58339	0.0459	0.07422	3.97E-04	1.74E-02	2.93E-04	2.34E-04	1.83E-02	3.61E-04	1.88E-08	3.91E-06	6.39E-06	3.72E-04	4.59E-04	1.74E-02	2.93E-04	2.34E-04	1.84E-02
1221	489835.89	3858926.54	0.09858	0.56719	0.0464	0.07301	3.98E-04	1.69E-02	2.96E-04	2.31E-04	1.78E-02	3.62E-04	1.83E-08	3.95E-06	6.29E-06	3.73E-04	4.61E-04	1.69E-02	2.96E-04	2.31E-04	1.79E-02
1222	489885.89	3858926.54	0.09892	0.553	0.0469	0.07184	4.00E-04	1.65E-02	2.99E-04	2.27E-04	1.74E-02	3.64E-04	1.78E-08	3.99E-06	6.19E-06	3.74E-04	4.63E-04	1.65E-02	2.99E-04	2.27E-04	1.75E-02
1223	489935.89	3858926.54	0.09937	0.53878	0.0474	0.07069	4.02E-04	1.61E-02	3.02E-04	2.23E-04	1.70E-02	3.65E-04	1.74E-08	4.03E-06	6.09E-06	3.75E-04	4.65E-04	1.61E-02	3.02E-04	2.23E-04	1.71E-02
1224	489985.89	3858926.54	0.09993	0.52419	0.0477	0.06955	4.04E-04	1.56E-02	3.05E-04	2.20E-04	1.66E-02	3.67E-04	1.69E-08	4.06E-06	5.99E-06	3.77E-04	4.67E-04	1.56E-02	3.05E-04	2.20E-04	1.66E-02
1225	490035.89	3858926.54	0.10063	0.50874	0.0481	0.06842	4.07E-04	1.52E-02	3.07E-04	2.16E-04	1.61E-02	3.70E-04	1.64E-08	4.09E-06	5.89E-06	3.80E-04	4.71E-04	1.52E-02	3.07E-04	2.16E-04	1.62E-02
1226	489335.89	3858976.54	0.09732	0.81932	0.0338	0.09094	3.93E-04	2.44E-02	2.16E-04	2.87E-04	2.53E-02	3.58E-04	2.64E-08	2.87E-06	7.83E-06	3.69E-04	4.55E-04	2.44E-02	2.16E-04	2.87E-04	2.54E-02
1227	489385.89	3858976.54	0.09672	0.78654	0.0349	0.08923	3.91E-04	2.35E-02	2.22E-04	2.82E-04	2.44E-02	3.56E-04	2.54E-08	2.97E-06	7.68E-06	3.66E-04	4.52E-04	2.35E-02	2.22E-04	2.82E-04	2.44E-02
1228	489435.89	3858976.54	0.09609	0.75909	0.0359	0.08764	3.88E-04	2.26E-02	2.29E-04	2.77E-04	2.35E-02	3.53E-04	2.45E-08	3.05E-06	7.55E-06	3.64E-04	4.49E-04	2.26E-02	2.29E-04	2.77E-04	2.36E-02
1229	489485.89	3858976.54	0.09562	0.73171	0.0369	0.08607	3.87E-04	2.18E-02	2.35E-04	2.72E-04	2.27E-02	3.52E-04	2.36E-08	3.14E-06	7.41E-06	3.62E-04	4.47E-04	2.18E-02	2.35E-04	2.72E-04	2.28E-02
1230	489535.89	3858976.54	0.09527	0.70589	0.0379	0.08454	3.85E-04	2.11E-02	2.42E-04	2.67E-04	2.20E-02	3.50E-04	2.28E-08	3.22E-06	7.28E-06	3.61E-04	4.46E-04	2.11E-02	2.42E-04	2.67E-04	2.20E-02
1231	489585.89	3858976.54	0.09494	0.68348	0.0388	0.08309	3.84E-04	2.04E-02	2.47E-04	2.62E-04	2.13E-02	3.49E-04	2.20E-08	3.30E-06	7.15E-06	3.60E-04	4.44E-04	2.04E-02	2.47E-04	2.62E-04	2.13E-02
1232	489635.89	3858976.54	0.09476	0.66144	0.0396	0.08164	3.83E-04	1.97E-02	2.53E-04	2.58E-04	2.06E-02	3.48E-04	2.13E-08	3.37E-06	7.03E-06	3.59E-04	4.43E-04	1.97E-02	2.53E-04	2.58E-04	2.07E-02
1233	489685.89	3858976.54	0.0947	0.64031	0.0404	0.08019	3.83E-04	1.91E-02	2.58E-04	2.53E-04	2.00E-02	3.48E-04	2.06E-08	3.44E-06	6.91E-06	3.59E-04	4.43E-04	1.91E-02	2.58E-04	2.53E-04	2.01E-02
1234	489735.89	3858976.54	0.09468	0.62151	0.0411	0.07879	3.83E-04	1.85E-02	2.62E-04	2.49E-04	1.94E-02	3.48E-04	2.00E-08	3.49E-06	6.78E-06	3.58E-04	4.43E-04	1.85E-02	2.62E-04	2.49E-04	1.95E-02
1235	489785.89	3858976.54	0.0947	0.60473	0.0417	0.07742	3.83E-04	1.80E-02	2.66E-04	2.44E-04	1.89E-02	3.48E-04	1.95E-08	3.55E-06	6.67E-06	3.58E-04	4.43E-04	1.80E-02	2.66E-04	2.44E-04	1.90E-02
1236	489835.89	3858976.54	0.09483	0.5883	0.0423	0.07607	3.83E-04	1.76E-02	2.70E-04	2.40E-04	1.84E-02	3.49E-04	1.90E-08	3.59E-06	6.55E-06	3.59E-04	4.43E-04	1.76E-02	2.70E-04	2.40E-04	1.85E-02
1237	489885.89	3858976.54	0.09517	0.5705	0.0427	0.0747	3.85E-04	1.70E-02	2.73E-04	2.36E-04	1.79E-02	3.50E-04	1.84E-08	3.63E-06	6.43E-06	3.60E-04	4.45E-04	1.70E-02	2.73E-04	2.36E-04	1.80E-02
1238	489935.89	3858976.54	0.09552	0.5545	0.0432	0.07339	3.86E-04	1.65E-02	2.75E-04	2.32E-04	1.74E-02	3.51E-04	1.79E-08	3.67E-06	6.32E-06	3.61E-04	4.47E-04	1.65E-02	2.75E-04	2.32E-04	1.75E-02
1239	489985.89	3858976.54	0.09593	0.53968	0.0436	0.07211	3.88E-04	1.61E-02	2.78E-04	2.28E-04	1.70E-02	3.53E-04	1.74E-08	3.71E-06	6.21E-06	3.63E-04	4.49E-04	1.61E-02	2.78E-04	2.28E-04	1.71E-02
1240	490035.89	3858976.54	0.0968	0.51726	0.0438	0.07077	3.91E-04	1.54E-02	2.79E-04	2.23E-04	1.63E-02	3.56E-04	1.67E-08	3.72E-06	6.09E-06	3.66E-04	4.53E-04	1.54E-02	2.79E-04	2.23E-04	1.64E-02
1241	489385.89	3859026.54	0.09444	0.82433	0.0315	0.09437	3.82E-04	2.46E-02	2.01E-04	2.98E-04	2.55E-02	3.47E-04	2.66E-08	2.68E-06	8.13E-06	3.58E-04	4.42E-04	2.46E-02	2.01E-04	2.98E-04	2.55E-02
1242	489435.89	3859026.54	0.0938	0.79197	0.0324	0.09253	3.79E-04	2.36E-02	2.07E-04	2.92E-04	2.45E-02	3.45E-04	2.55E-08	2.75E-06	7.97E-06	3.56E-04	4.39E-04	2.36E-02	2.07E-04	2.92E-04	2.46E-02
1243	489485.89	3859026.54	0.09324	0.76175	0.0333	0.09076	3.77E-04	2.27E-02	2.12E-04	2.87E-04	2.36E-02	3.43E-04	2.46E-08	2.83E-06	7.82E-06	3.53E-04	4.36E-04	2.27E-02	2.12E-04	2.87E-04	2.37E-02
1244	489535.89	3859026.54	0.09273	0.73451	0.0342	0.08904	3.75E-04	2.19E-02	2.18E-04	2.81E-04	2.28E-02	3.41E-04	2.37E-08	2.91E-06	7.67E-06	3.52E-04	4.34E-04	2.19E-02	2.18E-04	2.81E-04	2.28E-02
1245	489585.89	3859026.54	0.09236	0.70808	0.035	0.08732	3.73E-04	2.11E-02	2.24E-04	2.76E-04	2.20E-02	3.40E-04	2.28E-08	2.98E-06	7.52E-06	3.50E-04	4.32E-04	2.11E-02	2.24E-04	2.76E-04	2.21E-02
1246	489635.89	3859026.54	0.09202	0.68473	0.0359	0.08566	3.72E-04	2.04E-02	2.29E-04	2.70E-04	2.13E-02	3.38E-04	2.21E-08	3.05E-06	7.38E-06	3.49E-04	4.30E-04	2.04E-02	2.29E-04	2.70E-04	2.14E-02
1247	489685.89	3859026.54	0.09179	0.66268	0.0366	0.084	3.71E-04	1.98E-02	2.34E-04	2.65E-04	2.06E-02	3.37E-04	2.14E-08	3.11E-06	7.23E-06	3.48E-04	4.29E-04	1.98E-02	2.34E-04	2.65E-04	2.07E-02
1248	489735.89	3859026.54	0.09161	0.64291	0.0373	0.0824	3.70E-04	1.92E-02	2.38E-04	2.60E-04	2.00E-02	3.37E-04	2.07E-08	3.17E-06	7.10E-06	3.47E-04	4.28E-04	1.92E-02	2.38E-04	2.60E-04	2.01E-02
1249	489785.89	3859026.54	0.09153	0.62417	0.038	0.08081	3.70E-04	1.86E-02	2.42E-04	2.55E-04	1.95E-02	3.37E-04	2.01E-08	3.23E-06	6.96E-06	3.47E-04	4.28E-04	1.86E-02	2.42E-04	2.55E-04	1.95E-02
1250	489835.89	3859026.54	0.09164	0.60436	0.0386	0.07922	3.70E-04	1.80E-02	2.46E-04	2.50E-04	1.89E-02	3.37E-04	1.95E-08	3.28E-06	6.82E-06	3.47E-04	4.29E-04	1.80E-02	2.46E-04	2.50E-04	1.90E-02
1251	489885.89	3859026.54	0.09178	0.58665	0.0391	0.07768	3.71E-04	1.75E-02	2.49E-04	2.45E-04	1.84E-02	3.37E-04	1.89E-08	3.32E-06	6.69E-06	3.47E-04	4.29E-04	1.75E-02	2.49E-04	2.45E-04	1.84E-02
1252	489935.89	3859026.54	0.09203	0.5692	0.0395	0.07617	3.72E-04	1.70E-02	2.52E-04	2.40E-04	1.78E-02	3.38E-04	1.83E-08	3.36E-06	6.56E-06	3.48E-04	4.30E-04	1.70E-02	2.52E-04	2.40E-04	1.79E-02
1253	489985.89	3859026.54	0.09236	0.55269	0.0399	0.07469	3.73E-04	1.65E-02	2.55E-04	2.36E-04	1.74E-02	3.40E-04	1.78E-08	3.39E-06	6.43E-06	3.49E-04	4.32E-04	1.65E-02	2.55E-04	2.36E-04	1.74E-02
1254	490035.89	3859026.54	0.09318	0.527	0.0401	0.07316	3.77E-04	1.57E-02	2.56E-04	2.31E-04	1.66E-02	3.43E-04	1.70E-08	3.41E-06	6.30E-06	3.52E-04	4.36E-04	1.57E-02	2.56E-04	2.31E-04	1.66E-02
1255	489485.89	3859076.54	0.09108	0.78803	0.0303	0.09599	3.68E-04	2.35E-02	1.93E-04	3.03E-04	2.44E-02	3.35E-04	2.54E-08	2.58E-06	8.27E-06	3.46E-04	4.26E-04	2.35E-02	1.93E-04	3.03E-04	2.44E-02
1256	489535.89	3859076.54	0.09052	0.75778	0.0311	0.09395	3.66E-04	2.26E-02	1.98E-04	2.97E-04	2.35E-02	3.33E-04	2.44E-08	2.64E-06	8.09E-06	3.44E-04	4.23E-04	2.26E-02	1.98E-04	2.97E-04	2.35E-02
1257	489585.89	3859076.54	0.09003	0.72979	0.0319	0.09193	3.64E-04	2.18E-02	2.03E-04	2.90E-04	2.26E-02	3.31E-04	2.35E-08	2.71E-06	7.92E-06	3.42E-04	4.21E-04	2.18E-02	2.03E-04	2.90E-04	2.27E-02
1258	489635.89	3859076.54	0.08955	0.70572	0.0326	0.08998	3.62E-04	2.11E-02	2.08E-04	2.84E-04	2.19E-02	3.29E-04	2.27E-08	2.77E-06	7.75E-06	3.40E-04	4.19E-04	2.11E-02	2.08E-04	2.84E-04	2.20E-02
1259	489685.89	3859076.54	0.08917	0.68287	0.0333	0.08805	3.60E-04	2.04E-02	2.12E-04	2.78E-04	2.12E-02	3.28E-04	2.20E-08	2.83E-06	7.58E-06	3.38E-04	4.17E-04	2.04E-02	2.12E-04	2.78E-04	2.13E-02
1260	489735.89	3859076.54	0.0889	0.6613	0.034	0.08616	3.59E-04	1.97E-02	2.17E-04	2.72E-04	2.06E-02	3.27E-04	2.13E-08	2.89E-06	7.42E-06	3.37E-04	4.16E-04	1.97E-02	2.17E-04	2.72E-04	2.06E-02
1261	489785.89	3859076.54	0.08871	0.64094	0.0346	0.08431	3.59E-04	1.91E-02	2.21E-04	2.66E-04	2.00E-02	3.26E-04	2.07E-08	2.95E-06	7.26E-06	3.36E-04	4.15E-04	1.91E-02	2.21E-04	2.66E-04	2.00E-02
1262	489835.89	3859076.54	0.08867	0.62068	0.0353	0.08248	3.58E-04	1.85E-02	2.25E-04	2.60E-04	1.94E-02	3.26E-04	2.00E-08	3.00E-06	7.10E-06	3.36E-04	4.15E-04	1.85E-02	2.25E-04	2.60E-04	1.94E-02
1263	489885.89	3859076.54	0.08872	0.60134	0.0358	0.08068	3.59E-04	1.79E-02	2.29E-04	2.55E-04	1.88E-02	3.26E-04	1.94E-08	3.05E-06	6.95E-06	3.36E-04	4.15E-04	1.79E-02	2.29E-04	2.55E-04	1.88E-02
1264	489935.89	3859076.54	0.08882	0.58373	0.0363	0.07895	3.59E-04	1.74E-02	2.32E-04	2.49E-04	1.83E-02	3.27E-04	1.88E-08	3.09E-06	6.80E-06	3.36E-04	4.15E-04	1.74E-02	2.32E-04	2.49E-04	1.83E-02
1265	489985.89	3859076.54	0.08907	0.56553	0.0367	0.07723	3.60E-04	1.69E-02	2.34E-04	2.44E-04	1.77E-02	3.27E-04	1.82E-08	3.12E-06	6.65E-06	3.37E-04	4.17E-04	1.69E-02	2.34E-04	2.44E-04	1.78E-02
1266	490035.89	3859076.54	0.08971	0.54045	0.0369	0.07548	3.63E-04	1.61E-02	2.36E-04	2.38E-04	1.70E-02	3.30E-04	1.74E-08	3.14E-06	6.50E-06	3.39E-04	4.20E-04	1.61E-02	2.36E-04	2.38E-04	1.70E-02
1267	489585.89	3859126.54	0.0879	0.74884	0.0292	0.09673	3.55E-04	2.23E-02	1.86E-04	3.05E-04	2.32E-02	3.23E-04	2.41E-08	2.48E-06	8.33E-06	3.34E-04	4.11E-04	2.23E-02	1.86E-04	3.05E-04	2.32E-02
1268	489635.89	3859126.54	0.08733	0.72339	0.0298	0.0944	3.53E-04	2.16E-02	1.90E-04	2.98E-04	2.24E-02	3.21E-04	2.33E-08	2.53E-06	8.13E-06	3.32E-04	4.08E-04	2.16E-02	1.90E-04	2.98E-04	2.25E-02
1269	489685.89	3859126.54	0.08688	0.69892	0.0304	0.09211	3.51E-04	2.09E-02	1.94E-04	2.91E-04	2.17E-02	3.19E-04	2.25E-08	2.59E-06	7.93E-06	3.30E-04	4.06E-04	2.09E-02	1.94E-04	2.91E-04	2.17E-02
1270	489735.89	3859126.54	0.0865	0.67606	0.0311	0.08989	3.50E-04	2.02E-02	1.98E-04	2.84E-04	2.10E-02	3.18E-04	2.18E-08	2.64E-06	7.74E-06	3.28E-04	4.05E-04	2.02E-02	1.98E-04	2.84E-04	2.11E-02
1271	489785.89	3859126.54	0.08621	0.65475	0.0317	0.08772	3.48E-04	1.95E-02	2.02E-04	2.77E-04	2.04E-02	3.17E-04	2.11E-08	2.70E-06	7.55E-06	3.27E-04	4.03E-04	1.95E-02	2.02E-04	2.77E-04	2.04E-02
1272	489835.89	3859126.54	0.08605	0.63374	0.0323	0.08559	3.48E-04	1.89E-02	2.06E-04	2.70E-04	1.97E-02	3.16E-04	2.04E-08	2.75E-06	7.37E-06	3.27E-04	4.02E-04	1.89E-02	2.06E-04	2.70E-04	1.98E-02
1273	489885.89	3859126.54	0.08601	0.61321	0.0329	0.08351	3.48E-04	1.83E-02	2.10E-04	2.64E-04	1.91E-02	3.16E-04	1.98E-08	2.80E-06	7.19E-06	3.26E-04	4.02E-04	1.83E-02	2.10E-04	2.64E-04	1.92E-02
1274	489935.89	3859126.54	0.08599	0.59505	0.0335	0.08151	3.48E-04	1.78E-02	2.13E-04	2.57E-04	1.86E-02	3.16E-04	1.92E-08	2.84E-06	7.02E-06	3.26E-04	4.02E-04	1.78E-02	2.13E-04	2.57E-04	1.86E-02
1275	489985.89	3859126.54	0.08624	0.57364	0.0339	0.07951	3.49E-04	1.71E-02	2.16E-04	2.51E-04	1.79E-02	3.17E-04	1.85E-08	2.88E-06	6.85E-06	3.27E-04	4.03E-04	1.71E-02	2.16E-04	2.51E-04	1.80E-02
1276	490035.89	3859126.54	0.08655	0.55286	0.0342	0.0776	3.50E-04	1.65E-02	2.18E-04	2.45E-04	1.73E-02	3.18E-04	1.78E-08	2.90E-06	6.68E-06	3.28E-04	4.05E-04	1.65E-02	2.18E-04	2.45E-04	1.74E-02
1277	489585.89	3859176.54	0.08603	0.76177	0.0269	0.10134	3.48E-04	2.27E-02	1.72E-04	3.20E-04	2.36E-02	3.16E-04	2.46E-08	2.29E-06	8.73E-06	3.27E-04	4.02E-04	2.27E-02	1.72E-04	3.20E-04	2.36E-02

1278	489635.89	3859176.54	0.08539	0.73564	0.0275	0.0986	3.45E-04	2.19E-02	1.75E-04	3.11E-04	2.28E-02	3.14E-04	2.37E-08	2.34E-06	8.49E-06	3.25E-04	3.99E-04	2.19E-02	1.75E-04	3.11E-04	2.28E-02
1279	489685.89	3859176.54	0.08481	0.71157	0.028	0.09596	3.43E-04	2.12E-02	1.79E-04	3.03E-04	2.21E-02	3.12E-04	2.29E-08	2.38E-06	8.26E-06	3.22E-04	3.97E-04	2.12E-02	1.79E-04	3.03E-04	2.21E-02
1280	489735.89	3859176.54	0.08432	0.68869	0.0286	0.09338	3.41E-04	2.05E-02	1.82E-04	2.95E-04	2.14E-02	3.10E-04	2.22E-08	2.43E-06	8.04E-06	3.20E-04	3.94E-04	2.05E-02	1.82E-04	2.95E-04	2.14E-02
1281	489785.89	3859176.54	0.08399	0.66543	0.0292	0.09084	3.40E-04	1.99E-02	1.86E-04	2.87E-04	2.07E-02	3.09E-04	2.14E-08	2.48E-06	7.82E-06	3.19E-04	3.93E-04	1.99E-02	1.86E-04	2.87E-04	2.07E-02
1282	489835.89	3859176.54	0.08371	0.6441	0.0297	0.0884	3.38E-04	1.92E-02	1.90E-04	2.79E-04	2.00E-02	3.08E-04	2.08E-08	2.53E-06	7.61E-06	3.18E-04	3.91E-04	1.92E-02	1.90E-04	2.79E-04	2.01E-02
1283	489885.89	3859176.54	0.08356	0.6232	0.0303	0.08603	3.38E-04	1.86E-02	1.93E-04	2.72E-04	1.94E-02	3.07E-04	2.01E-08	2.58E-06	7.41E-06	3.17E-04	3.91E-04	1.86E-02	1.93E-04	2.72E-04	1.94E-02
1284	489935.89	3859176.54	0.08343	0.60458	0.0309	0.08377	3.37E-04	1.80E-02	1.97E-04	2.64E-04	1.88E-02	3.07E-04	1.95E-08	2.62E-06	7.21E-06	3.17E-04	3.90E-04	1.80E-02	1.97E-04	2.64E-04	1.89E-02
1285	489985.89	3859176.54	0.08357	0.58273	0.0313	0.08154	3.38E-04	1.74E-02	2.00E-04	2.57E-04	1.82E-02	3.07E-04	1.88E-08	2.66E-06	7.02E-06	3.17E-04	3.91E-04	1.74E-02	2.00E-04	2.57E-04	1.82E-02
1286	490035.89	3859176.54	0.08359	0.56624	0.0318	0.07949	3.38E-04	1.69E-02	2.03E-04	2.51E-04	1.77E-02	3.07E-04	1.83E-08	2.70E-06	6.84E-06	3.17E-04	3.91E-04	1.69E-02	2.03E-04	2.51E-04	1.77E-02
1287	489685.89	3859226.54	0.08303	0.71841	0.026	0.0993	3.36E-04	2.14E-02	1.66E-04	3.14E-04	2.22E-02	3.05E-04	2.32E-08	2.21E-06	8.55E-06	3.16E-04	3.88E-04	2.14E-02	1.66E-04	3.14E-04	2.23E-02
1288	489735.89	3859226.54	0.08241	0.69625	0.0264	0.0964	3.33E-04	2.08E-02	1.69E-04	3.04E-04	2.16E-02	3.03E-04	2.24E-08	2.25E-06	8.30E-06	3.14E-04	3.85E-04	2.08E-02	1.69E-04	3.04E-04	2.16E-02
1289	489785.89	3859226.54	0.08197	0.67333	0.0269	0.09355	3.31E-04	2.01E-02	1.72E-04	2.95E-04	2.09E-02	3.01E-04	2.17E-08	2.29E-06	8.06E-06	3.12E-04	3.83E-04	2.01E-02	1.72E-04	2.95E-04	2.09E-02
1290	489835.89	3859226.54	0.08166	0.65055	0.0275	0.09078	3.30E-04	1.94E-02	1.75E-04	2.87E-04	2.02E-02	3.00E-04	2.10E-08	2.34E-06	7.82E-06	3.10E-04	3.82E-04	1.94E-02	1.75E-04	2.87E-04	2.03E-02
1291	489885.89	3859226.54	0.08139	0.63002	0.028	0.08817	3.29E-04	1.88E-02	1.79E-04	2.78E-04	1.96E-02	2.99E-04	2.03E-08	2.38E-06	7.59E-06	3.09E-04	3.81E-04	1.88E-02	1.79E-04	2.78E-04	1.96E-02
1292	489935.89	3859226.54	0.0812	0.61029	0.0286	0.08569	3.28E-04	1.82E-02	1.82E-04	2.71E-04	1.90E-02	2.99E-04	1.97E-08	2.43E-06	7.38E-06	3.08E-04	3.80E-04	1.82E-02	1.82E-04	2.71E-04	1.90E-02
1293	489985.89	3859226.54	0.08129	0.58678	0.029	0.08325	3.29E-04	1.75E-02	1.85E-04	2.63E-04	1.83E-02	2.99E-04	1.89E-08	2.47E-06	7.17E-06	3.09E-04	3.80E-04	1.75E-02	1.85E-04	2.63E-04	1.83E-02
1294	490035.89	3859226.54	0.08116	0.57142	0.0295	0.08108	3.28E-04	1.70E-02	1.88E-04	2.56E-04	1.78E-02	2.98E-04	1.84E-08	2.51E-06	6.98E-06	3.08E-04	3.80E-04	1.70E-02	1.88E-04	2.56E-04	1.79E-02
1295	489735.89	3859276.54	0.08073	0.69944	0.0247	0.09896	3.26E-04	2.09E-02	1.57E-04	3.12E-04	2.17E-02	2.97E-04	2.25E-08	2.10E-06	8.52E-06	3.07E-04	3.78E-04	2.09E-02	1.57E-04	3.12E-04	2.17E-02
1296	489785.89	3859276.54	0.08017	0.67757	0.0251	0.09588	3.24E-04	2.02E-02	1.60E-04	3.03E-04	2.10E-02	2.95E-04	2.18E-08	2.13E-06	8.26E-06	3.05E-04	3.75E-04	2.02E-02	1.60E-04	3.03E-04	2.11E-02
1297	489835.89	3859276.54	0.0798	0.65453	0.0256	0.09288	3.23E-04	1.95E-02	1.63E-04	2.93E-04	2.03E-02	2.93E-04	2.11E-08	2.18E-06	8.00E-06	3.04E-04	3.73E-04	1.95E-02	1.63E-04	2.93E-04	2.04E-02
1298	489885.89	3859276.54	0.07942	0.63445	0.026	0.0901	3.21E-04	1.89E-02	1.66E-04	2.84E-04	1.97E-02	2.92E-04	2.04E-08	2.21E-06	7.76E-06	3.02E-04	3.71E-04	1.89E-02	1.66E-04	2.84E-04	1.97E-02
1299	489935.89	3859276.54	0.07919	0.61381	0.0266	0.08744	3.20E-04	1.83E-02	1.69E-04	2.76E-04	1.91E-02	2.91E-04	1.98E-08	2.26E-06	7.53E-06	3.01E-04	3.70E-04	1.83E-02	1.69E-04	2.76E-04	1.91E-02
1300	489985.89	3859276.54	0.07923	0.58905	0.027	0.08483	3.20E-04	1.76E-02	1.72E-04	2.68E-04	1.83E-02	2.91E-04	1.90E-08	2.29E-06	7.30E-06	3.01E-04	3.71E-04	1.76E-02	1.72E-04	2.68E-04	1.84E-02
1301	490035.89	3859276.54	0.07889	0.57662	0.0275	0.0826	3.19E-04	1.72E-02	1.75E-04	2.61E-04	1.80E-02	2.90E-04	1.86E-08	2.33E-06	7.11E-06	3.00E-04	3.69E-04	1.72E-02	1.75E-04	2.61E-04	1.80E-02
1302	490458.06	3859590.74	0.0659	0.47944	0.0208	0.06784	2.66E-04	1.43E-02	1.33E-04	2.14E-04	1.49E-02	2.42E-04	1.55E-08	1.77E-06	5.84E-06	2.50E-04	3.08E-04	1.43E-02	1.33E-04	2.14E-04	1.50E-02
1303	490508.06	3859590.74	0.06593	0.46753	0.0212	0.06595	2.67E-04	1.39E-02	1.35E-04	2.08E-04	1.46E-02	2.42E-04	1.51E-08	1.80E-06	5.68E-06	2.50E-04	3.08E-04	1.39E-02	1.35E-04	2.08E-04	1.46E-02
1304	490558.06	3859590.74	0.066	0.4559	0.0215	0.06418	2.67E-04	1.36E-02	1.37E-04	2.03E-04	1.42E-02	2.43E-04	1.47E-08	1.83E-06	5.53E-06	2.50E-04	3.09E-04	1.36E-02	1.37E-04	2.03E-04	1.42E-02
1305	490608.06	3859590.74	0.06613	0.44397	0.0217	0.06251	2.67E-04	1.32E-02	1.39E-04	1.97E-04	1.38E-02	2.43E-04	1.43E-08	1.85E-06	5.38E-06	2.50E-04	3.09E-04	1.32E-02	1.39E-04	1.97E-04	1.39E-02
1306	490658.06	3859590.74	0.0663	0.43171	0.0218	0.06095	2.68E-04	1.29E-02	1.39E-04	1.92E-04	1.35E-02	2.44E-04	1.39E-08	1.85E-06	5.25E-06	2.51E-04	3.10E-04	1.29E-02	1.39E-04	1.92E-04	1.35E-02
1307	490708.06	3859590.74	0.06649	0.41946	0.0219	0.05949	2.69E-04	1.25E-02	1.40E-04	1.88E-04	1.31E-02	2.44E-04	1.35E-08	1.86E-06	5.12E-06	2.51E-04	3.11E-04	1.25E-02	1.40E-04	1.88E-04	1.32E-02
1308	490758.06	3859590.74	0.06673	0.40671	0.022	0.05813	2.70E-04	1.21E-02	1.40E-04	1.84E-04	1.27E-02	2.45E-04	1.31E-08	1.87E-06	5.01E-06	2.52E-04	3.12E-04	1.21E-02	1.40E-04	1.84E-04	1.28E-02
1309	490808.06	3859590.74	0.06694	0.39572	0.0222	0.05684	2.71E-04	1.18E-02	1.41E-04	1.79E-04	1.24E-02	2.46E-04	1.28E-08	1.88E-06	4.89E-06	2.53E-04	3.13E-04	1.18E-02	1.41E-04	1.79E-04	1.24E-02
1310	490858.06	3859590.74	0.06719	0.38439	0.0223	0.05564	2.72E-04	1.15E-02	1.42E-04	1.76E-04	1.21E-02	2.47E-04	1.24E-08	1.89E-06	4.79E-06	2.54E-04	3.14E-04	1.15E-02	1.42E-04	1.76E-04	1.21E-02
1311	490458.06	3859640.74	0.06424	0.48098	0.0196	0.06693	2.60E-04	1.43E-02	1.25E-04	2.11E-04	1.49E-02	2.36E-04	1.55E-08	1.67E-06	5.76E-06	2.44E-04	3.00E-04	1.43E-02	1.25E-04	2.11E-04	1.50E-02
1312	490508.06	3859640.74	0.0642	0.46975	0.0199	0.06503	2.60E-04	1.40E-02	1.27E-04	2.05E-04	1.46E-02	2.36E-04	1.51E-08	1.69E-06	5.60E-06	2.43E-04	3.00E-04	1.40E-02	1.27E-04	2.05E-04	1.46E-02
1313	490558.06	3859640.74	0.0642	0.45871	0.0203	0.06324	2.60E-04	1.37E-02	1.29E-04	2.00E-04	1.43E-02	2.36E-04	1.48E-08	1.72E-06	5.45E-06	2.43E-04	3.00E-04	1.37E-02	1.29E-04	2.00E-04	1.43E-02
1314	490608.06	3859640.74	0.06431	0.44667	0.0207	0.06153	2.60E-04	1.33E-02	1.32E-04	1.94E-04	1.39E-02	2.36E-04	1.44E-08	1.76E-06	5.30E-06	2.44E-04	3.01E-04	1.33E-02	1.32E-04	1.94E-04	1.40E-02
1315	490658.06	3859640.74	0.06447	0.43424	0.0209	0.05994	2.61E-04	1.30E-02	1.33E-04	1.89E-04	1.35E-02	2.37E-04	1.40E-08	1.77E-06	5.16E-06	2.44E-04	3.02E-04	1.30E-02	1.33E-04	1.89E-04	1.36E-02
1316	490708.06	3859640.74	0.06461	0.42253	0.0209	0.05847	2.61E-04	1.26E-02	1.34E-04	1.85E-04	1.32E-02	2.38E-04	1.36E-08	1.78E-06	5.03E-06	2.44E-04	3.02E-04	1.26E-02	1.34E-04	1.85E-04	1.32E-02
1317	490758.06	3859640.74	0.06479	0.41027	0.021	0.05709	2.62E-04	1.22E-02	1.34E-04	1.80E-04	1.28E-02	2.38E-04	1.32E-08	1.79E-06	4.92E-06	2.45E-04	3.03E-04	1.22E-02	1.34E-04	1.80E-04	1.29E-02
1318	490808.06	3859640.74	0.06493	0.4002	0.0212	0.0558	2.62E-04	1.19E-02	1.35E-04	1.76E-04	1.25E-02	2.39E-04	1.29E-08	1.80E-06	4.80E-06	2.45E-04	3.04E-04	1.19E-02	1.35E-04	1.76E-04	1.26E-02
1319	490858.06	3859640.74	0.06509	0.39048	0.0213	0.05458	2.63E-04	1.16E-02	1.36E-04	1.72E-04	1.22E-02	2.39E-04	1.26E-08	1.81E-06	4.70E-06	2.46E-04	3.04E-04	1.16E-02	1.36E-04	1.72E-04	1.23E-02
1320	490608.06	3859690.74	0.06267	0.44824	0.0195	0.06034	2.53E-04	1.34E-02	1.25E-04	1.91E-04	1.39E-02	2.30E-04	1.44E-08	1.66E-06	5.20E-06	2.37E-04	2.93E-04	1.34E-02	1.25E-04	1.91E-04	1.40E-02
1321	490658.06	3859690.74	0.06277	0.43629	0.0199	0.05875	2.54E-04	1.30E-02	1.27E-04	1.85E-04	1.36E-02	2.31E-04	1.41E-08	1.69E-06	5.06E-06	2.38E-04	2.94E-04	1.30E-02	1.27E-04	1.85E-04	1.36E-02
1322	490708.06	3859690.74	0.06287	0.42485	0.02	0.05728	2.54E-04	1.27E-02	1.28E-04	1.81E-04	1.32E-02	2.31E-04	1.37E-08	1.70E-06	4.93E-06	2.38E-04	2.94E-04	1.27E-02	1.28E-04	1.81E-04	1.33E-02
1323	490758.06	3859690.74	0.06301	0.41293	0.0201	0.05591	2.55E-04	1.23E-02	1.28E-04	1.77E-04	1.29E-02	2.32E-04	1.33E-08	1.71E-06	4.81E-06	2.38E-04	2.95E-04	1.23E-02	1.28E-04	1.77E-04	1.29E-02
1324	490808.06	3859690.74	0.06313	0.40236	0.0202	0.05464	2.55E-04	1.20E-02	1.29E-04	1.73E-04	1.26E-02	2.32E-04	1.30E-08	1.72E-06	4.71E-06	2.39E-04	2.95E-04	1.20E-02	1.29E-04	1.73E-04	1.26E-02
1325	490858.06	3859690.74	0.06317	0.39483	0.0204	0.05343	2.55E-04	1.18E-02	1.30E-04	1.69E-04	1.23E-02	2.32E-04	1.27E-08	1.73E-06	4.60E-06	2.39E-04	2.95E-04	1.18E-02	1.30E-04	1.69E-04	1.24E-02
1326	490708.06	3859740.74	0.06124	0.42722	0.0192	0.05598	2.48E-04	1.27E-02	1.22E-04	1.77E-04	1.33E-02	2.25E-04	1.38E-08	1.63E-06	4.82E-06	2.32E-04	2.86E-04	1.27E-02	1.22E-04	1.77E-04	1.33E-02
1327	490758.06	3859740.74	0.06123	0.41792	0.0194	0.05465	2.48E-04	1.25E-02	1.23E-04	1.73E-04	1.30E-02	2.25E-04	1.35E-08	1.65E-06	4.71E-06	2.31E-04	2.86E-04	1.25E-02	1.23E-04	1.73E-04	1.31E-02
1328	490808.06	3859740.74	0.06129	0.40808	0.0195	0.05338	2.48E-04	1.22E-02	1.24E-04	1.69E-04	1.27E-02	2.25E-04	1.32E-08	1.66E-06	4.60E-06	2.32E-04	2.87E-04	1.22E-02	1.24E-04	1.69E-04	1.28E-02
1329	490858.06	3859740.74	0.06134	0.39918	0.0196	0.05219	2.48E-04	1.19E-02	1.25E-04	1.65E-04	1.24E-02	2.26E-04	1.29E-08	1.67E-06	4.49E-06	2.32E-04	2.87E-04	1.19E-02	1.25E-04	1.65E-04	1.25E-02
1330	490786.56	3859749.39	0.06096	0.41296	0.0193	0.05369	2.46E-04	1.23E-02	1.23E-04	1.70E-04	1.29E-02	2.24E-04	1.33E-08	1.64E-06	4.62E-06	2.30E-04	2.85E-04	1.23E-02	1.23E-04	1.70E-04	1.29E-02
1331	490836.56	3859749.39	0.06103	0.40342	0.0194	0.05246	2.47E-04	1.20E-02	1.24E-04	1.66E-04	1.26E-02	2.24E-04	1.30E-08	1.65E-06	4.52E-06	2.31E-04	2.85E-04	1.20E-02	1.24E-04	1.66E-04	1.26E-02
1332	490786.56	3859799.39	0.05936	0.41517	0.0183	0.05233	2.40E-04	1.24E-02	1.17E-04	1.65E-04	1.29E-02	2.18E-04	1.34E-08	1.56E-06	4.51E-06	2.24E-04	2.78E-04	1.24E-02	1.17E-04	1.65E-04	1.29E-02
1333	490836.56	3859799.39	0.05939	0.40572	0.0186	0.05112	2.40E-04	1.21E-02	1.19E-04	1.61E-04	1.26E-02	2.18E-04	1.31E-08	1.58E-06	4.40E-06	2.24E-04	2.78E-04	1.21E-02	1.19E-04	1.61E-04	1.27E-02
1334	492307.84	3854508.36	0.13893	0.03726	0.0205	0.01998	5.62E-04	1.11E-03	1.31E-04	6.31E-05	1.87E-03	5.11E-04	1.20E-09	1.74E-06	1.72E-06	5.14E-04	6.50E-04	1.11E-03	1.31E-04	6.31E-05	1.96E-03
1335	486445.7	3854753.6	0.19696	0.04028	0.0093	0.0291	7.96E-04	1.20E-03	5.90E-05	9.19E-05	2.15E-03	7.24E-04	1.30E-09	7.87E-07	2.51E-06	7.27E-04	9.21E-04	1.20E-03	5.90E-05	9.19E-05	2.27E-03
1336	472599.75	3877830.11	0.0029	0.00334	0.0012	0.00114	1.17E-05	9.96E-05	7.46E-06	3.60E-06	1.22E-04	1.07E-05	1.08E-10	9.95E-08	9.82E-08	1.09E-05	1.36E-05	9.96E-05	7.46E-06	3.60E-06	1.24E-04
1337	493107.48	3866840.19	0.00924	0.00994	0.0027	0.00319	3.73E-05	2.97E-04	1.73E-05	1.01E-05	3.61E-04	3.40E-05	3.20E-10	2.30E-07	2.75E-07	3.45E-05	4.32E-05	2.97E-04	1.73E-05	1.01E-05	3.67E-04
1338	495815.79	3861662.87	0.03029	0.07155	0.0084	0.00787	1.22E-04	2.13E-03	5.33E-05	2.48E-05	2.34E-03	1.11E-04	2.31E-09	7.11E-07	6.78E-07	1.13E-04	1.42E-04	2.13E-03	5.33E-05	2.48E-05	2.35E-03

1339	480272.33	3841389.2	0.00102	0.00079	0.0014	0.00157	4.12E-06	2.36E-05	9.12E-06	4.96E-06	4.18E-05	3.75E-06	2.55E-11	1.22E-07	1.35E-07	4.01E-06	4.77E-06	2.36E-05	9.12E-06	4.96E-06	4.24E-05
1340	497005.18	3862813.64	0.02083	0.04481	0.0064	0.00489	8.42E-05	1.34E-03	4.08E-05	1.54E-05	1.48E-03	7.66E-05	1.44E-09	5.43E-07	4.21E-07	7.75E-05	9.74E-05	1.34E-03	4.08E-05	1.54E-05	1.49E-03
1341	493677.33	3860302.55	0.05298	0.15772	0.0175	0.01911	2.14E-04	4.71E-03	1.12E-04	6.03E-05	5.09E-03	1.95E-04	5.08E-09	1.49E-06	1.65E-06	1.98E-04	2.48E-04	4.71E-03	1.12E-04	6.03E-05	5.13E-03
1342	493727.33	3860302.55	0.05296	0.15603	0.0176	0.01899	2.14E-04	4.65E-03	1.12E-04	6.00E-05	5.04E-03	1.95E-04	5.03E-09	1.50E-06	1.64E-06	1.98E-04	2.48E-04	4.65E-03	1.12E-04	6.00E-05	5.07E-03
1343	493777.33	3860302.55	0.05295	0.15428	0.0176	0.01887	2.14E-04	4.60E-03	1.12E-04	5.96E-05	4.99E-03	1.95E-04	4.97E-09	1.50E-06	1.62E-06	1.98E-04	2.48E-04	4.60E-03	1.12E-04	5.96E-05	5.02E-03
1344	493827.33	3860302.55	0.05292	0.15254	0.0177	0.01875	2.14E-04	4.55E-03	1.13E-04	5.92E-05	4.94E-03	1.95E-04	4.92E-09	1.50E-06	1.61E-06	1.98E-04	2.47E-04	4.55E-03	1.13E-04	5.92E-05	4.97E-03
1345	493877.33	3860302.55	0.05285	0.151	0.0177	0.01864	2.14E-04	4.50E-03	1.13E-04	5.89E-05	4.89E-03	1.94E-04	4.87E-09	1.51E-06	1.61E-06	1.97E-04	2.47E-04	4.50E-03	1.13E-04	5.89E-05	4.92E-03
1346	493927.33	3860302.55	0.05274	0.14958	0.0178	0.01854	2.13E-04	4.46E-03	1.14E-04	5.85E-05	4.85E-03	1.94E-04	4.82E-09	1.51E-06	1.60E-06	1.97E-04	2.47E-04	4.46E-03	1.14E-04	5.85E-05	4.88E-03
1347	493977.33	3860302.55	0.05277	0.14743	0.0177	0.0184	2.13E-04	4.40E-03	1.13E-04	5.81E-05	4.78E-03	1.94E-04	4.75E-09	1.51E-06	1.58E-06	1.97E-04	2.47E-04	4.40E-03	1.13E-04	5.81E-05	4.82E-03
1348	494027.33	3860302.55	0.05271	0.14565	0.0178	0.01829	2.13E-04	4.35E-03	1.13E-04	5.77E-05	4.73E-03	1.94E-04	4.69E-09	1.51E-06	1.57E-06	1.97E-04	2.47E-04	4.35E-03	1.13E-04	5.77E-05	4.76E-03
1349	493677.33	3860352.55	0.05181	0.15571	0.017	0.01861	2.09E-04	4.65E-03	1.08E-04	5.88E-05	5.02E-03	1.90E-04	5.02E-09	1.44E-06	1.60E-06	1.94E-04	2.42E-04	4.65E-03	1.08E-04	5.88E-05	5.05E-03
1350	493727.33	3860352.55	0.0518	0.15418	0.017	0.01851	2.09E-04	4.60E-03	1.09E-04	5.84E-05	4.98E-03	1.90E-04	4.97E-09	1.45E-06	1.59E-06	1.93E-04	2.42E-04	4.60E-03	1.09E-04	5.84E-05	5.01E-03
1351	493777.33	3860352.55	0.05177	0.15265	0.0171	0.01841	2.09E-04	4.55E-03	1.09E-04	5.81E-05	4.93E-03	1.90E-04	4.92E-09	1.46E-06	1.59E-06	1.93E-04	2.42E-04	4.55E-03	1.09E-04	5.81E-05	4.96E-03
1352	493827.33	3860352.55	0.05175	0.15107	0.0172	0.0183	2.09E-04	4.51E-03	1.10E-04	5.78E-05	4.88E-03	1.90E-04	4.87E-09	1.46E-06	1.58E-06	1.93E-04	2.42E-04	4.51E-03	1.10E-04	5.78E-05	4.92E-03
1353	493877.33	3860352.55	0.05175	0.14942	0.0173	0.01819	2.09E-04	4.46E-03	1.10E-04	5.74E-05	4.83E-03	1.90E-04	4.82E-09	1.47E-06	1.57E-06	1.93E-04	2.42E-04	4.46E-03	1.10E-04	5.74E-05	4.87E-03
1354	493927.33	3860352.55	0.05177	0.14764	0.0173	0.01806	2.09E-04	4.40E-03	1.10E-04	5.70E-05	4.78E-03	1.90E-04	4.76E-09	1.47E-06	1.56E-06	1.93E-04	2.42E-04	4.40E-03	1.10E-04	5.70E-05	4.81E-03
1355	493977.33	3860352.55	0.0518	0.14575	0.0173	0.01794	2.09E-04	4.35E-03	1.10E-04	5.66E-05	4.72E-03	1.90E-04	4.70E-09	1.47E-06	1.54E-06	1.93E-04	2.42E-04	4.35E-03	1.10E-04	5.66E-05	4.76E-03
1356	494027.33	3860352.55	0.05173	0.14428	0.0173	0.01784	2.09E-04	4.30E-03	1.10E-04	5.63E-05	4.68E-03	1.90E-04	4.65E-09	1.47E-06	1.54E-06	1.93E-04	2.42E-04	4.30E-03	1.10E-04	5.63E-05	4.71E-03
1357	493677.33	3860402.55	0.05055	0.15375	0.0162	0.01816	2.04E-04	4.59E-03	1.03E-04	5.73E-05	4.95E-03	1.86E-04	4.96E-09	1.37E-06	1.56E-06	1.89E-04	2.36E-04	4.59E-03	1.03E-04	5.73E-05	4.98E-03
1358	493727.33	3860402.55	0.05056	0.15224	0.0162	0.01806	2.04E-04	4.54E-03	1.04E-04	5.70E-05	4.91E-03	1.86E-04	4.91E-09	1.38E-06	1.56E-06	1.89E-04	2.36E-04	4.54E-03	1.04E-04	5.70E-05	4.94E-03
1359	493777.33	3860402.55	0.0507	0.15042	0.0165	0.01792	2.05E-04	4.49E-03	1.05E-04	5.66E-05	4.85E-03	1.86E-04	4.85E-09	1.40E-06	1.54E-06	1.89E-04	2.37E-04	4.49E-03	1.05E-04	5.66E-05	4.89E-03
1360	493827.33	3860402.55	0.05065	0.14907	0.0165	0.01785	2.05E-04	4.45E-03	1.05E-04	5.64E-05	4.81E-03	1.86E-04	4.80E-09	1.40E-06	1.54E-06	1.89E-04	2.37E-04	4.45E-03	1.05E-04	5.64E-05	4.85E-03
1361	493877.33	3860402.55	0.05063	0.14761	0.0166	0.01775	2.05E-04	4.40E-03	1.06E-04	5.60E-05	4.77E-03	1.86E-04	4.76E-09	1.41E-06	1.53E-06	1.89E-04	2.37E-04	4.40E-03	1.06E-04	5.60E-05	4.80E-03
1362	493927.33	3860402.55	0.05071	0.14587	0.0168	0.01762	2.05E-04	4.35E-03	1.07E-04	5.56E-05	4.72E-03	1.86E-04	4.70E-09	1.43E-06	1.52E-06	1.89E-04	2.37E-04	4.35E-03	1.07E-04	5.56E-05	4.75E-03
1363	493977.33	3860402.55	0.0508	0.14398	0.0168	0.01749	2.05E-04	4.30E-03	1.07E-04	5.52E-05	4.66E-03	1.87E-04	4.64E-09	1.43E-06	1.51E-06	1.90E-04	2.38E-04	4.30E-03	1.07E-04	5.52E-05	4.70E-03
1364	494027.33	3860402.55	0.05073	0.14267	0.0169	0.0174	2.05E-04	4.26E-03	1.08E-04	5.49E-05	4.62E-03	1.87E-04	4.60E-09	1.44E-06	1.50E-06	1.89E-04	2.37E-04	4.26E-03	1.08E-04	5.49E-05	4.66E-03
1365	493677.33	3860452.55	0.04935	0.15142	0.0155	0.01768	1.99E-04	4.52E-03	9.85E-05	5.58E-05	4.87E-03	1.81E-04	4.88E-09	1.31E-06	1.52E-06	1.84E-04	2.31E-04	4.52E-03	9.85E-05	5.58E-05	4.90E-03
1366	493727.33	3860452.55	0.04931	0.1501	0.0155	0.01763	1.99E-04	4.48E-03	9.86E-05	5.57E-05	4.83E-03	1.81E-04	4.84E-09	1.31E-06	1.52E-06	1.84E-04	2.31E-04	4.48E-03	9.86E-05	5.57E-05	4.86E-03
1367	493777.33	3860452.55	0.04936	0.14861	0.0156	0.01754	2.00E-04	4.43E-03	9.92E-05	5.54E-05	4.79E-03	1.81E-04	4.79E-09	1.32E-06	1.51E-06	1.84E-04	2.31E-04	4.43E-03	9.92E-05	5.54E-05	4.82E-03
1368	493827.33	3860452.55	0.04948	0.14701	0.0157	0.01741	2.00E-04	4.39E-03	1.00E-04	5.50E-05	4.74E-03	1.82E-04	4.74E-09	1.34E-06	1.50E-06	1.85E-04	2.31E-04	4.39E-03	1.00E-04	5.50E-05	4.77E-03
1369	493877.33	3860452.55	0.04955	0.14547	0.0159	0.0173	2.00E-04	4.34E-03	1.01E-04	5.46E-05	4.70E-03	1.82E-04	4.69E-09	1.35E-06	1.49E-06	1.85E-04	2.32E-04	4.34E-03	1.01E-04	5.46E-05	4.73E-03
1370	493927.33	3860452.55	0.04971	0.14371	0.0161	0.01716	2.01E-04	4.29E-03	1.03E-04	5.42E-05	4.65E-03	1.83E-04	4.63E-09	1.37E-06	1.48E-06	1.86E-04	2.32E-04	4.29E-03	1.03E-04	5.42E-05	4.68E-03
1371	493977.33	3860452.55	0.0497	0.14231	0.0162	0.01707	2.01E-04	4.25E-03	1.04E-04	5.39E-05	4.60E-03	1.83E-04	4.59E-09	1.38E-06	1.47E-06	1.86E-04	2.32E-04	4.25E-03	1.04E-04	5.39E-05	4.64E-03
1372	494027.33	3860452.55	0.04968	0.14095	0.0163	0.01698	2.01E-04	4.21E-03	1.04E-04	5.36E-05	4.56E-03	1.83E-04	4.54E-09	1.39E-06	1.46E-06	1.86E-04	2.32E-04	4.21E-03	1.04E-04	5.36E-05	4.60E-03
1373	493677.33	3860502.55	0.0481	0.14907	0.0148	0.01721	1.94E-04	4.45E-03	9.42E-05	5.43E-05	4.79E-03	1.77E-04	4.80E-09	1.26E-06	1.48E-06	1.80E-04	2.25E-04	4.45E-03	9.42E-05	5.43E-05	4.82E-03
1374	493727.33	3860502.55	0.04812	0.14771	0.0148	0.01716	1.95E-04	4.41E-03	9.45E-05	5.42E-05	4.75E-03	1.77E-04	4.76E-09	1.26E-06	1.48E-06	1.80E-04	2.25E-04	4.41E-03	9.45E-05	5.42E-05	4.78E-03
1375	493777.33	3860502.55	0.0482	0.14627	0.0149	0.01708	1.95E-04	4.36E-03	9.50E-05	5.39E-05	4.71E-03	1.77E-04	4.71E-09	1.27E-06	1.47E-06	1.80E-04	2.25E-04	4.36E-03	9.50E-05	5.39E-05	4.74E-03
1376	493827.33	3860502.55	0.04828	0.14484	0.015	0.01699	1.95E-04	4.32E-03	9.57E-05	5.36E-05	4.67E-03	1.78E-04	4.67E-09	1.28E-06	1.46E-06	1.80E-04	2.26E-04	4.32E-03	9.57E-05	5.36E-05	4.70E-03
1377	493877.33	3860502.55	0.04841	0.14334	0.0152	0.01688	1.96E-04	4.28E-03	9.68E-05	5.33E-05	4.62E-03	1.78E-04	4.62E-09	1.29E-06	1.45E-06	1.81E-04	2.26E-04	4.28E-03	9.68E-05	5.33E-05	4.65E-03
1378	493927.33	3860502.55	0.04856	0.14177	0.0154	0.01675	1.96E-04	4.23E-03	9.81E-05	5.29E-05	4.58E-03	1.79E-04	4.57E-09	1.31E-06	1.44E-06	1.81E-04	2.27E-04	4.23E-03	9.81E-05	5.29E-05	4.61E-03
1379	493977.33	3860502.55	0.04857	0.14046	0.0155	0.01667	1.96E-04	4.19E-03	9.86E-05	5.26E-05	4.54E-03	1.79E-04	4.53E-09	1.31E-06	1.44E-06	1.81E-04	2.27E-04	4.19E-03	9.86E-05	5.26E-05	4.57E-03
1380	494027.33	3860502.55	0.04859	0.1391	0.0156	0.01659	1.96E-04	4.15E-03	9.93E-05	5.24E-05	4.50E-03	1.79E-04	4.48E-09	1.32E-06	1.43E-06	1.81E-04	2.27E-04	4.15E-03	9.93E-05	5.24E-05	4.53E-03
1381	493627.33	3860552.55	0.0467	0.14808	0.0141	0.01683	1.89E-04	4.42E-03	8.96E-05	5.31E-05	4.75E-03	1.72E-04	4.77E-09	1.19E-06	1.45E-06	1.74E-04	2.18E-04	4.42E-03	8.96E-05	5.31E-05	4.78E-03
1382	493677.33	3860552.55	0.04677	0.1468	0.0141	0.01678	1.89E-04	4.38E-03	8.99E-05	5.30E-05	4.71E-03	1.72E-04	4.73E-09	1.20E-06	1.44E-06	1.75E-04	2.19E-04	4.38E-03	8.99E-05	5.30E-05	4.74E-03
1383	493727.33	3860552.55	0.04683	0.1454	0.0141	0.01673	1.89E-04	4.34E-03	9.02E-05	5.28E-05	4.67E-03	1.72E-04	4.69E-09	1.20E-06	1.44E-06	1.75E-04	2.19E-04	4.34E-03	9.02E-05	5.28E-05	4.70E-03
1384	493777.33	3860552.55	0.04697	0.14399	0.0143	0.01664	1.90E-04	4.30E-03	9.09E-05	5.25E-05	4.63E-03	1.73E-04	4.64E-09	1.21E-06	1.43E-06	1.75E-04	2.20E-04	4.30E-03	9.09E-05	5.25E-05	4.66E-03
1385	493827.33	3860552.55	0.04715	0.14248	0.0144	0.01653	1.91E-04	4.25E-03	9.19E-05	5.22E-05	4.59E-03	1.73E-04	4.59E-09	1.22E-06	1.42E-06	1.76E-04	2.21E-04	4.25E-03	9.19E-05	5.22E-05	4.62E-03
1386	493877.33	3860552.55	0.0472	0.14116	0.0145	0.01647	1.91E-04	4.21E-03	9.24E-05	5.20E-05	4.55E-03	1.74E-04	4.55E-09	1.23E-06	1.42E-06	1.76E-04	2.21E-04	4.21E-03	9.24E-05	5.20E-05	4.58E-03
1387	493927.33	3860552.55	0.04734	0.13976	0.0146	0.01636	1.91E-04	4.17E-03	9.33E-05	5.17E-05	4.51E-03	1.74E-04	4.50E-09	1.24E-06	1.41E-06	1.77E-04	2.21E-04	4.17E-03	9.33E-05	5.17E-05	4.54E-03
1388	493977.33	3860552.55	0.04748	0.13835	0.0148	0.01626	1.92E-04	4.13E-03	9.44E-05	5.13E-05	4.47E-03	1.75E-04	4.46E-09	1.26E-06	1.40E-06	1.77E-04	2.22E-04	4.13E-03	9.44E-05	5.13E-05	4.50E-03
1389	494027.33	3860552.55	0.0475	0.13708	0.0149	0.01619	1.92E-04	4.09E-03	9.49E-05	5.11E-05	4.43E-03	1.75E-04	4.42E-09	1.27E-06	1.39E-06	1.77E-04	2.22E-04	4.09E-03	9.49E-05	5.11E-05	4.46E-03
1390	493627.33	3860602.55	0.04542	0.14561	0.0135	0.01637	1.84E-04	4.34E-03	8.60E-05	5.17E-05	4.67E-03	1.67E-04	4.69E-09	1.15E-06	1.41E-06	1.70E-04	2.12E-04	4.34E-03	8.60E-05	5.17E-05	4.69E-03
1391	493727.33	3860602.55	0.04551	0.14292	0.0135	0.01632	1.84E-04	4.26E-03	8.62E-05	5.15E-05	4.59E-03	1.67E-04	4.61E-09	1.15E-06	1.41E-06	1.70E-04	2.13E-04	4.26E-03	8.62E-05	5.15E-05	4.61E-03
1392	493777.33	3860602.55	0.04576	0.14154	0.0137	0.0162	1.85E-04	4.22E-03	8.72E-05	5.11E-05	4.55E-03	1.68E-04	4.56E-09	1.16E-06	1.39E-06	1.71E-04	2.14E-04	4.22E-03	8.72E-05	5.11E-05	4.57E-03
1393	493827.33	3860602.55	0.04589	0.14021	0.0138	0.01613	1.85E-04	4.18E-03	8.78E-05	5.09E-05	4.51E-03	1.69E-04	4.52E-09	1.17E-06	1.39E-06	1.71E-04	2.15E-04	4.18E-03	8.78E-05	5.09E-05	4.54E-03
1394	493877.33	3860602.55	0.04609	0.13887	0.0139	0.01602	1.86E-04	4.14E-03	8.87E-05	5.06E-05	4.47E-03	1.69E-04	4.48E-09	1.18E-06	1.38E-06	1.72E-04	2.16E-04	4.14E-03	8.87E-05	5.06E-05	4.50E-03
1395	493927.33	3860602.55	0.04622	0.13757	0.014	0.01594	1.87E-04	4.10E-03	8.95E-05	5.03E-05	4.43E-03	1.70E-04	4.43E-09	1.19E-06	1.37E-06	1.72E-04	2.16E-04	4.10E-03	8.95E-05	5.03E-05	4.46E-03
1396	493977.33	3860602.55	0.04635	0.13619	0.0142	0.01585	1.87E-04	4.06E-03	9.03E-05	5.00E-05	4.39E-03	1.70E-04	4.39E-09	1.20E-06	1.36E-06	1.73E-04	2.17E-04	4.06E-03	9.03E-05	5.00E-05	4.42E-03
1397	494027.33	3860602.55	0.04637	0.13507	0.0142	0.0158	1.87E-04	4.03E-03	9.07E-05	4.99E-05	4.36E-03	1.70E-04	4.35E-09	1.21E-06	1.36E-06	1.73E-04	2.17E-04	4.03E-03	9.07E-05	4.99E-05	4.39E-03
1398	493627.33	3860652.55	0.0441	0.14301	0.013	0.01593	1.78E-04	4.27E-03	8.27E-05	5.03E-05	4.58E-03	1.62E-04	4.61E-09	1.10E-06	1.37E-06	1.65E-04	2.06E-04	4.27E-03	8.27E-05	5.03E-05	4.61E-03
1399	493727.33	3860652.55	0.04425	0.14037	0.013	0.01582	1.79E-04	4.19E-03	8.29E-05	4.99E-05	4.50E-03	1.63E-04	4.52E-09	1.10E-06	1.36E-06	1.65E-04	2.07E-04	4.19E-03	8.29E-05	4.99E-05	4.53E-03

1400	493777.33	3860652.55	0.04448	0.13907	0.0131	0.01577	1.80E-04	4.15E-03	8.36E-05	4.98E-05	4.46E-03	1.64E-04	4.48E-09	1.11E-06	1.36E-06	1.66E-04	2.08E-04	4.15E-03	8.36E-05	4.98E-05	4.49E-03
1401	493827.33	3860652.55	0.04469	0.13778	0.0132	0.0157	1.81E-04	4.11E-03	8.43E-05	4.96E-05	4.42E-03	1.64E-04	4.44E-09	1.12E-06	1.35E-06	1.67E-04	2.09E-04	4.11E-03	8.43E-05	4.96E-05	4.45E-03
1402	493877.33	3860652.55	0.04492	0.13649	0.0134	0.0156	1.82E-04	4.07E-03	8.52E-05	4.93E-05	4.39E-03	1.65E-04	4.40E-09	1.14E-06	1.34E-06	1.68E-04	2.10E-04	4.07E-03	8.52E-05	4.93E-05	4.42E-03
1403	493927.33	3860652.55	0.04506	0.13525	0.0135	0.01552	1.82E-04	4.03E-03	8.58E-05	4.90E-05	4.35E-03	1.66E-04	4.36E-09	1.14E-06	1.34E-06	1.68E-04	2.11E-04	4.03E-03	8.58E-05	4.90E-05	4.38E-03
1404	493977.33	3860652.55	0.04518	0.13403	0.0136	0.01546	1.83E-04	4.00E-03	8.64E-05	4.88E-05	4.32E-03	1.66E-04	4.32E-09	1.15E-06	1.33E-06	1.69E-04	2.11E-04	4.00E-03	8.64E-05	4.88E-05	4.35E-03
1405	494027.33	3860652.55	0.04534	0.1328	0.0137	0.01536	1.83E-04	3.96E-03	8.73E-05	4.85E-05	4.28E-03	1.67E-04	4.28E-09	1.16E-06	1.32E-06	1.69E-04	2.12E-04	3.96E-03	8.73E-05	4.85E-05	4.31E-03
1406	494311.06	3858401.99	0.06133	0.06938	0.0507	0.02491	2.48E-04	2.07E-03	3.23E-04	7.87E-05	2.72E-03	2.25E-04	2.24E-09	4.31E-06	2.15E-06	2.32E-04	2.87E-04	2.07E-03	3.23E-04	7.87E-05	2.76E-03
1407	494361.06	3858401.99	0.06028	0.06825	0.0499	0.02469	2.44E-04	2.04E-03	3.18E-04	7.80E-05	2.68E-03	2.22E-04	2.20E-09	4.25E-06	2.13E-06	2.28E-04	2.82E-04	2.04E-03	3.18E-04	7.80E-05	2.71E-03
1408	494411.06	3858401.99	0.05961	0.06744	0.0494	0.02451	2.41E-04	2.01E-03	3.15E-04	7.74E-05	2.65E-03	2.19E-04	2.17E-09	4.20E-06	2.11E-06	2.25E-04	2.79E-04	2.01E-03	3.15E-04	7.74E-05	2.68E-03
1409	494461.06	3858401.99	0.05936	0.06698	0.049	0.02437	2.40E-04	2.00E-03	3.13E-04	7.69E-05	2.63E-03	2.18E-04	2.16E-09	4.17E-06	2.10E-06	2.25E-04	2.78E-04	2.00E-03	3.13E-04	7.69E-05	2.67E-03
1410	494511.06	3858401.99	0.05862	0.06613	0.0485	0.02419	2.37E-04	1.97E-03	3.09E-04	7.64E-05	2.60E-03	2.16E-04	2.13E-09	4.12E-06	2.08E-06	2.22E-04	2.74E-04	1.97E-03	3.09E-04	7.64E-05	2.63E-03
1411	494561.06	3858401.99	0.05833	0.06565	0.0481	0.02405	2.36E-04	1.96E-03	3.07E-04	7.59E-05	2.58E-03	2.14E-04	2.12E-09	4.09E-06	2.07E-06	2.21E-04	2.73E-04	1.96E-03	3.07E-04	7.59E-05	2.61E-03
1412	494611.06	3858401.99	0.05758	0.06479	0.0475	0.02387	2.33E-04	1.93E-03	3.03E-04	7.54E-05	2.54E-03	2.12E-04	2.09E-09	4.04E-06	2.06E-06	2.18E-04	2.69E-04	1.93E-03	3.03E-04	7.54E-05	2.58E-03
1413	494661.06	3858401.99	0.0569	0.06406	0.047	0.02371	2.30E-04	1.91E-03	3.00E-04	7.49E-05	2.52E-03	2.09E-04	2.06E-09	4.00E-06	2.04E-06	2.15E-04	2.66E-04	1.91E-03	3.00E-04	7.49E-05	2.55E-03
1414	494711.06	3858401.99	0.05591	0.06301	0.0463	0.02351	2.26E-04	1.88E-03	2.96E-04	7.42E-05	2.48E-03	2.06E-04	2.03E-09	3.94E-06	2.02E-06	2.12E-04	2.61E-04	1.88E-03	2.96E-04	7.42E-05	2.51E-03
1415	494761.06	3858401.99	0.05545	0.06239	0.0459	0.02336	2.24E-04	1.86E-03	2.93E-04	7.38E-05	2.45E-03	2.04E-04	2.01E-09	3.91E-06	2.01E-06	2.10E-04	2.59E-04	1.86E-03	2.93E-04	7.38E-05	2.49E-03
1416	494811.06	3858401.99	0.05473	0.06157	0.0454	0.02318	2.21E-04	1.84E-03	2.90E-04	7.32E-05	2.42E-03	2.01E-04	1.98E-09	3.86E-06	2.00E-06	2.07E-04	2.56E-04	1.84E-03	2.90E-04	7.32E-05	2.46E-03
1417	494861.06	3858401.99	0.05409	0.06083	0.045	0.02302	2.19E-04	1.81E-03	2.87E-04	7.27E-05	2.39E-03	1.99E-04	1.96E-09	3.82E-06	1.98E-06	2.05E-04	2.53E-04	1.81E-03	2.87E-04	7.27E-05	2.43E-03
1418	494911.06	3858401.99	0.05347	0.06014	0.0445	0.02286	2.16E-04	1.79E-03	2.84E-04	7.22E-05	2.37E-03	1.97E-04	1.94E-09	3.79E-06	1.97E-06	2.02E-04	2.50E-04	1.79E-03	2.84E-04	7.22E-05	2.40E-03
1419	494961.06	3858401.99	0.05281	0.05936	0.0441	0.0227	2.13E-04	1.77E-03	2.81E-04	7.17E-05	2.34E-03	1.94E-04	1.91E-09	3.75E-06	1.95E-06	2.00E-04	2.47E-04	1.77E-03	2.81E-04	7.17E-05	2.37E-03
1420	495011.06	3858401.99	0.05193	0.05844	0.0435	0.0225	2.10E-04	1.74E-03	2.77E-04	7.10E-05	2.30E-03	1.91E-04	1.88E-09	3.70E-06	1.94E-06	1.97E-04	2.43E-04	1.74E-03	2.77E-04	7.10E-05	2.33E-03
1421	495061.06	3858401.99	0.05127	0.0577	0.0429	0.02233	2.07E-04	1.72E-03	2.74E-04	7.05E-05	2.27E-03	1.88E-04	1.86E-09	3.65E-06	1.92E-06	1.94E-04	2.40E-04	1.72E-03	2.74E-04	7.05E-05	2.31E-03
1422	495111.06	3858401.99	0.04994	0.0564	0.0423	0.02208	2.02E-04	1.68E-03	2.70E-04	6.97E-05	2.22E-03	1.84E-04	1.82E-09	3.60E-06	1.90E-06	1.89E-04	2.34E-04	1.68E-03	2.70E-04	6.97E-05	2.26E-03
1423	495161.06	3858401.99	0.04978	0.05607	0.042	0.02197	2.01E-04	1.67E-03	2.68E-04	6.94E-05	2.21E-03	1.83E-04	1.81E-09	3.57E-06	1.89E-06	1.88E-04	2.33E-04	1.67E-03	2.68E-04	6.94E-05	2.24E-03
1424	495211.06	3858401.99	0.0486	0.05495	0.0415	0.02177	1.96E-04	1.64E-03	2.64E-04	6.87E-05	2.17E-03	1.79E-04	1.77E-09	3.53E-06	1.87E-06	1.84E-04	2.27E-04	1.64E-03	2.64E-04	6.87E-05	2.20E-03
1425	495261.06	3858401.99	0.04803	0.05428	0.0411	0.02162	1.94E-04	1.62E-03	2.62E-04	6.83E-05	2.14E-03	1.77E-04	1.75E-09	3.49E-06	1.86E-06	1.82E-04	2.25E-04	1.62E-03	2.62E-04	6.83E-05	2.17E-03
1426	495311.06	3858401.99	0.04742	0.05359	0.0406	0.02146	1.92E-04	1.60E-03	2.59E-04	6.78E-05	2.12E-03	1.74E-04	1.73E-09	3.46E-06	1.85E-06	1.80E-04	2.22E-04	1.60E-03	2.59E-04	6.78E-05	2.15E-03
1427	495361.06	3858401.99	0.04702	0.05309	0.0403	0.02133	1.90E-04	1.58E-03	2.57E-04	6.73E-05	2.10E-03	1.73E-04	1.71E-09	3.43E-06	1.84E-06	1.78E-04	2.20E-04	1.58E-03	2.57E-04	6.73E-05	2.13E-03
1428	495411.06	3858401.99	0.04685	0.05276	0.0401	0.02122	1.89E-04	1.57E-03	2.56E-04	6.70E-05	2.09E-03	1.72E-04	1.70E-09	3.41E-06	1.83E-06	1.77E-04	2.19E-04	1.57E-03	2.56E-04	6.70E-05	2.12E-03
1429	495461.06	3858401.99	0.04675	0.0525	0.0399	0.02112	1.89E-04	1.57E-03	2.54E-04	6.67E-05	2.08E-03	1.72E-04	1.69E-09	3.39E-06	1.82E-06	1.77E-04	2.19E-04	1.57E-03	2.54E-04	6.67E-05	2.11E-03
1430	495511.06	3858401.99	0.04658	0.05218	0.0397	0.02102	1.88E-04	1.56E-03	2.53E-04	6.64E-05	2.06E-03	1.71E-04	1.68E-09	3.37E-06	1.81E-06	1.76E-04	2.18E-04	1.56E-03	2.53E-04	6.64E-05	2.09E-03
1431	495561.06	3858401.99	0.04619	0.0516	0.0395	0.02092	1.87E-04	1.54E-03	2.52E-04	6.61E-05	2.04E-03	1.70E-04	1.66E-09	3.36E-06	1.80E-06	1.75E-04	2.16E-04	1.54E-03	2.52E-04	6.61E-05	2.07E-03
1432	495611.06	3858401.99	0.04607	0.05133	0.0393	0.02082	1.86E-04	1.53E-03	2.50E-04	6.57E-05	2.03E-03	1.69E-04	1.65E-09	3.34E-06	1.79E-06	1.75E-04	2.15E-04	1.53E-03	2.50E-04	6.57E-05	2.06E-03
1433	495661.06	3858401.99	0.04624	0.05138	0.039	0.02073	1.87E-04	1.53E-03	2.49E-04	6.55E-05	2.03E-03	1.70E-04	1.66E-09	3.32E-06	1.79E-06	1.75E-04	2.16E-04	1.53E-03	2.49E-04	6.55E-05	2.06E-03
1434	494311.06	3858451.99	0.06242	0.07181	0.0508	0.02516	2.52E-04	2.14E-03	3.24E-04	7.94E-05	2.80E-03	2.29E-04	2.31E-09	4.32E-06	2.17E-06	2.36E-04	2.92E-04	2.14E-03	3.24E-04	7.94E-05	2.84E-03
1435	494361.06	3858451.99	0.06159	0.07083	0.05	0.02496	2.49E-04	2.11E-03	3.19E-04	7.88E-05	2.76E-03	2.26E-04	2.28E-09	4.25E-06	2.15E-06	2.33E-04	2.88E-04	2.11E-03	3.19E-04	7.88E-05	2.80E-03
1436	494411.06	3858451.99	0.06092	0.06998	0.0494	0.02477	2.46E-04	2.09E-03	3.15E-04	7.82E-05	2.73E-03	2.24E-04	2.26E-09	4.20E-06	2.13E-06	2.30E-04	2.85E-04	2.09E-03	3.15E-04	7.82E-05	2.77E-03
1437	494461.06	3858451.99	0.06034	0.06922	0.0488	0.02459	2.44E-04	2.07E-03	3.11E-04	7.76E-05	2.70E-03	2.22E-04	2.23E-09	4.15E-06	2.12E-06	2.28E-04	2.82E-04	2.07E-03	3.11E-04	7.76E-05	2.74E-03
1438	494511.06	3858451.99	0.06004	0.0687	0.0484	0.02445	2.43E-04	2.05E-03	3.09E-04	7.72E-05	2.68E-03	2.21E-04	2.21E-09	4.12E-06	2.11E-06	2.27E-04	2.81E-04	2.05E-03	3.09E-04	7.72E-05	2.72E-03
1439	494561.06	3858451.99	0.05925	0.06776	0.0478	0.02425	2.40E-04	2.02E-03	3.05E-04	7.66E-05	2.64E-03	2.18E-04	2.18E-09	4.07E-06	2.09E-06	2.24E-04	2.77E-04	2.02E-03	3.05E-04	7.66E-05	2.68E-03
1440	494611.06	3858451.99	0.05869	0.06703	0.0473	0.02408	2.37E-04	2.00E-03	3.02E-04	7.60E-05	2.61E-03	2.16E-04	2.16E-09	4.02E-06	2.07E-06	2.22E-04	2.74E-04	2.00E-03	3.02E-04	7.60E-05	2.65E-03
1441	494661.06	3858451.99	0.05808	0.06627	0.0468	0.02391	2.35E-04	1.98E-03	2.99E-04	7.55E-05	2.59E-03	2.14E-04	2.14E-09	3.98E-06	2.06E-06	2.20E-04	2.72E-04	1.98E-03	2.99E-04	7.55E-05	2.62E-03
1442	494711.06	3858451.99	0.05725	0.06531	0.0462	0.02371	2.31E-04	1.95E-03	2.95E-04	7.49E-05	2.55E-03	2.10E-04	2.10E-09	3.93E-06	2.04E-06	2.16E-04	2.68E-04	1.95E-03	2.95E-04	7.49E-05	2.59E-03
1443	494761.06	3858451.99	0.0564	0.06436	0.0457	0.02352	2.28E-04	1.92E-03	2.91E-04	7.43E-05	2.51E-03	2.07E-04	2.07E-09	3.88E-06	2.03E-06	2.13E-04	2.64E-04	1.92E-03	2.91E-04	7.43E-05	2.55E-03
1444	494811.06	3858451.99	0.05575	0.06358	0.0451	0.02335	2.25E-04	1.90E-03	2.88E-04	7.37E-05	2.48E-03	2.05E-04	2.05E-09	3.84E-06	2.01E-06	2.11E-04	2.61E-04	1.90E-03	2.88E-04	7.37E-05	2.52E-03
1445	494861.06	3858451.99	0.05493	0.06272	0.0446	0.02317	2.22E-04	1.87E-03	2.84E-04	7.32E-05	2.45E-03	2.02E-04	2.02E-09	3.79E-06	2.00E-06	2.08E-04	2.57E-04	1.87E-03	2.84E-04	7.32E-05	2.49E-03
1446	494911.06	3858451.99	0.05403	0.0616	0.0441	0.02301	2.18E-04	1.84E-03	2.81E-04	7.27E-05	2.41E-03	1.99E-04	1.99E-09	3.75E-06	1.98E-06	2.04E-04	2.53E-04	1.84E-03	2.81E-04	7.27E-05	2.44E-03
1447	494961.06	3858451.99	0.05319	0.06078	0.0435	0.02278	2.15E-04	1.81E-03	2.77E-04	7.19E-05	2.38E-03	1.96E-04	1.96E-09	3.70E-06	1.96E-06	2.01E-04	2.49E-04	1.81E-03	2.77E-04	7.19E-05	2.41E-03
1448	495011.06	3858451.99	0.05225	0.05978	0.0429	0.02258	2.11E-04	1.78E-03	2.74E-04	7.13E-05	2.34E-03	1.92E-04	1.93E-09	3.65E-06	1.94E-06	1.98E-04	2.44E-04	1.78E-03	2.74E-04	7.13E-05	2.37E-03
1449	495061.06	3858451.99	0.05187	0.05925	0.0426	0.02245	2.10E-04	1.77E-03	2.72E-04	7.09E-05	2.32E-03	1.91E-04	1.91E-09	3.62E-06	1.93E-06	1.96E-04	2.43E-04	1.77E-03	2.72E-04	7.09E-05	2.35E-03
1450	495111.06	3858451.99	0.05097	0.05829	0.042	0.02225	2.06E-04	1.74E-03	2.68E-04	7.03E-05	2.28E-03	1.87E-04	1.88E-09	3.57E-06	1.92E-06	1.93E-04	2.38E-04	1.74E-03	2.68E-04	7.03E-05	2.32E-03
1451	495161.06	3858451.99	0.04995	0.05723	0.0413	0.02204	2.02E-04	1.71E-03	2.64E-04	6.96E-05	2.24E-03	1.84E-04	1.84E-09	3.51E-06	1.90E-06	1.89E-04	2.34E-04	1.71E-03	2.64E-04	6.96E-05	2.27E-03
1452	495211.06	3858451.99	0.04904	0.05625	0.0408	0.02182	1.98E-04	1.68E-03	2.60E-04	6.89E-05	2.21E-03	1.80E-04	1.81E-09	3.47E-06	1.88E-06	1.86E-04	2.29E-04	1.68E-03	2.60E-04	6.89E-05	2.24E-03
1453	495261.06	3858451.99	0.04848	0.05557	0.0405	0.02168	1.96E-04	1.66E-03	2.58E-04	6.85E-05	2.18E-03	1.78E-04	1.79E-09	3.44E-06	1.87E-06	1.84E-04	2.27E-04	1.66E-03	2.58E-04	6.85E-05	2.21E-03
1454	495311.06	3858451.99	0.04804	0.055	0.0401	0.02154	1.94E-04	1.64E-03	2.56E-04	6.80E-05	2.16E-03	1.77E-04	1.77E-09	3.41E-06	1.85E-06	1.82E-04	2.25E-04	1.64E-03	2.56E-04	6.80E-05	2.19E-03
1455	495361.06	3858451.99	0.04763	0.05451	0.0399	0.02141	1.93E-04	1.63E-03	2.54E-04	6.76E-05	2.14E-03	1.75E-04	1.76E-09	3.39E-06	1.84E-06	1.80E-04	2.23E-04	1.63E-03	2.54E-04	6.76E-05	2.17E-03
1456	495411.06	3858451.99	0.04751	0.05422	0.0396	0.0213	1.92E-04	1.62E-03	2.53E-04	6.73E-05	2.13E-03	1.75E-04	1.75E-09	3.37E-06	1.83E-06	1.80E-04	2.22E-04	1.62E-03	2.53E-04	6.73E-05	2.16E-03
1457	495461.06	3858451.99	0.04744	0.05397	0.0395	0.02121	1.92E-04	1.61E-03	2.52E-04	6.70E-05	2.12E-03	1.74E-04	1.74E-09	3.36E-06	1.83E-06	1.80E-04	2.22E-04	1.61E-03	2.52E-04	6.70E-05	2.15E-03
1458	495511.06	3858451.99	0.047	0.05341	0.0391	0.02107	1.90E-04	1.59E-03	2.50E-04	6.65E-05	2.10E-03	1.73E-04	1.72E-09	3.33E-06	1.81E-06	1.78E-04	2.20E-04	1.59E-03	2.50E-04	6.65E-05	2.13E-03
1459	495561.06	3858451.99	0.04714	0.05334	0.039	0.021	1.91E-04	1.59E-03	2.49E-04	6.63E-05	2.10E-03	1.73E-04	1.72E-09	3.32E-06	1.81E-06	1.78E-04	2.20E-04	1.59E-03	2.49E-04	6.63E-05	2.13E-03
1460	495611.06	3858451.99	0.04658	0.05268	0.0387	0.02085	1.88E-04	1.57E-03	2.47E-04	6.58E-05	2.07E-03	1.71E-04	1.70E-09	3.29E-06	1.80E-06	1.76E-04	2.18E-04	1.57E-03	2.47E-04	6.58E-05	2.10E-03

1461	495661.06	3858451.99	0.04658	0.05251	0.0385	0.02076	1.88E-04	1.57E-03	2.46E-04	6.55E-05	2.07E-03	1.71E-04	1.69E-09	3.28E-06	1.79E-06	1.76E-04	2.18E-04	1.57E-03	2.46E-04	6.55E-05	2.10E-03
1462	494311.06	3858501.99	0.06232	0.07329	0.0502	0.02529	2.52E-04	2.19E-03	3.20E-04	7.98E-05	2.84E-03	2.29E-04	2.36E-09	4.27E-06	2.18E-06	2.36E-04	2.91E-04	2.19E-03	3.20E-04	7.98E-05	2.88E-03
1463	494361.06	3858501.99	0.06183	0.07256	0.0498	0.02512	2.50E-04	2.16E-03	3.17E-04	7.93E-05	2.81E-03	2.27E-04	2.34E-09	4.23E-06	2.16E-06	2.34E-04	2.89E-04	2.16E-03	3.17E-04	7.93E-05	2.85E-03
1464	494411.06	3858501.99	0.06124	0.07173	0.0492	0.02493	2.48E-04	2.14E-03	3.14E-04	7.87E-05	2.78E-03	2.25E-04	2.31E-09	4.18E-06	2.15E-06	2.31E-04	2.86E-04	2.14E-03	3.14E-04	7.87E-05	2.82E-03
1465	494461.06	3858501.99	0.06091	0.07116	0.0487	0.02476	2.46E-04	2.12E-03	3.11E-04	7.82E-05	2.76E-03	2.24E-04	2.29E-09	4.15E-06	2.13E-06	2.30E-04	2.85E-04	2.12E-03	3.11E-04	7.82E-05	2.80E-03
1466	494511.06	3858501.99	0.06006	0.07013	0.048	0.02456	2.43E-04	2.09E-03	3.06E-04	7.75E-05	2.72E-03	2.21E-04	2.26E-09	4.08E-06	2.11E-06	2.27E-04	2.81E-04	2.09E-03	3.06E-04	7.75E-05	2.76E-03
1467	494561.06	3858501.99	0.06025	0.07002	0.0479	0.02447	2.44E-04	2.09E-03	3.06E-04	7.73E-05	2.72E-03	2.22E-04	2.26E-09	4.07E-06	2.11E-06	2.28E-04	2.82E-04	2.09E-03	3.06E-04	7.73E-05	2.75E-03
1468	494611.06	3858501.99	0.05953	0.06913	0.0472	0.02428	2.41E-04	2.06E-03	3.01E-04	7.67E-05	2.68E-03	2.19E-04	2.23E-09	4.01E-06	2.09E-06	2.25E-04	2.78E-04	2.06E-03	3.01E-04	7.67E-05	2.72E-03
1469	494661.06	3858501.99	0.05911	0.06849	0.0468	0.02411	2.39E-04	2.04E-03	2.98E-04	7.61E-05	2.66E-03	2.17E-04	2.21E-09	3.98E-06	2.08E-06	2.23E-04	2.76E-04	2.04E-03	2.98E-04	7.61E-05	2.69E-03
1470	494711.06	3858501.99	0.05825	0.06749	0.0461	0.02391	2.35E-04	2.01E-03	2.94E-04	7.55E-05	2.62E-03	2.14E-04	2.18E-09	3.92E-06	2.06E-06	2.20E-04	2.72E-04	2.01E-03	2.94E-04	7.55E-05	2.66E-03
1471	494761.06	3858501.99	0.05727	0.06637	0.0454	0.02368	2.31E-04	1.98E-03	2.90E-04	7.48E-05	2.58E-03	2.11E-04	2.14E-09	3.86E-06	2.04E-06	2.16E-04	2.68E-04	1.98E-03	2.90E-04	7.48E-05	2.61E-03
1472	494811.06	3858501.99	0.05637	0.06533	0.0448	0.02348	2.28E-04	1.95E-03	2.86E-04	7.41E-05	2.54E-03	2.07E-04	2.11E-09	3.81E-06	2.02E-06	2.13E-04	2.64E-04	1.95E-03	2.86E-04	7.41E-05	2.57E-03
1473	494861.06	3858501.99	0.05578	0.06458	0.0443	0.02331	2.25E-04	1.93E-03	2.83E-04	7.36E-05	2.51E-03	2.05E-04	2.08E-09	3.77E-06	2.01E-06	2.11E-04	2.61E-04	1.93E-03	2.83E-04	7.36E-05	2.54E-03
1474	494911.06	3858501.99	0.05451	0.06326	0.0436	0.02306	2.20E-04	1.89E-03	2.78E-04	7.28E-05	2.46E-03	2.00E-04	2.04E-09	3.70E-06	1.99E-06	2.06E-04	2.55E-04	1.89E-03	2.78E-04	7.28E-05	2.49E-03
1475	494961.06	3858501.99	0.05386	0.06251	0.0431	0.0229	2.18E-04	1.86E-03	2.75E-04	7.23E-05	2.43E-03	1.98E-04	2.01E-09	3.66E-06	1.97E-06	2.04E-04	2.52E-04	1.86E-03	2.75E-04	7.23E-05	2.46E-03
1476	495011.06	3858501.99	0.05279	0.06134	0.0424	0.02268	2.13E-04	1.83E-03	2.71E-04	7.16E-05	2.39E-03	1.94E-04	1.98E-09	3.61E-06	1.95E-06	2.00E-04	2.47E-04	1.83E-03	2.71E-04	7.16E-05	2.42E-03
1477	495061.06	3858501.99	0.0524	0.06078	0.0421	0.02254	2.12E-04	1.81E-03	2.68E-04	7.12E-05	2.36E-03	1.93E-04	1.96E-09	3.58E-06	1.94E-06	1.98E-04	2.45E-04	1.81E-03	2.68E-04	7.12E-05	2.40E-03
1478	495111.06	3858501.99	0.05106	0.0594	0.0414	0.02229	2.06E-04	1.77E-03	2.64E-04	7.04E-05	2.31E-03	1.88E-04	1.91E-09	3.52E-06	1.92E-06	1.93E-04	2.39E-04	1.77E-03	2.64E-04	7.04E-05	2.35E-03
1479	495161.06	3858501.99	0.05024	0.05849	0.0409	0.02211	2.03E-04	1.74E-03	2.61E-04	6.98E-05	2.28E-03	1.85E-04	1.89E-09	3.48E-06	1.90E-06	1.90E-04	2.35E-04	1.74E-03	2.61E-04	6.98E-05	2.31E-03
1480	495211.06	3858501.99	0.04944	0.0576	0.0403	0.02192	2.00E-04	1.72E-03	2.57E-04	6.92E-05	2.24E-03	1.82E-04	1.86E-09	3.43E-06	1.89E-06	1.87E-04	2.31E-04	1.72E-03	2.57E-04	6.92E-05	2.28E-03
1481	495261.06	3858501.99	0.04891	0.05694	0.0399	0.02176	1.98E-04	1.70E-03	2.54E-04	6.87E-05	2.22E-03	1.80E-04	1.84E-09	3.39E-06	1.87E-06	1.85E-04	2.29E-04	1.70E-03	2.54E-04	6.87E-05	2.25E-03
1482	495311.06	3858501.99	0.04863	0.05649	0.0396	0.02163	1.97E-04	1.69E-03	2.53E-04	6.83E-05	2.20E-03	1.79E-04	1.82E-09	3.37E-06	1.86E-06	1.84E-04	2.27E-04	1.69E-03	2.53E-04	6.83E-05	2.23E-03
1483	495361.06	3858501.99	0.04838	0.05607	0.0394	0.0215	1.96E-04	1.67E-03	2.51E-04	6.79E-05	2.19E-03	1.78E-04	1.81E-09	3.35E-06	1.85E-06	1.83E-04	2.26E-04	1.67E-03	2.51E-04	6.79E-05	2.22E-03
1484	495411.06	3858501.99	0.04824	0.05571	0.0392	0.02139	1.95E-04	1.66E-03	2.50E-04	6.75E-05	2.17E-03	1.77E-04	1.80E-09	3.33E-06	1.84E-06	1.83E-04	2.26E-04	1.66E-03	2.50E-04	6.75E-05	2.21E-03
1485	495461.06	3858501.99	0.0481	0.05539	0.039	0.02128	1.94E-04	1.65E-03	2.49E-04	6.72E-05	2.16E-03	1.77E-04	1.79E-09	3.31E-06	1.83E-06	1.82E-04	2.25E-04	1.65E-03	2.49E-04	6.72E-05	2.19E-03
1486	495511.06	3858501.99	0.04785	0.05498	0.0387	0.02116	1.93E-04	1.64E-03	2.47E-04	6.68E-05	2.15E-03	1.76E-04	1.77E-09	3.29E-06	1.82E-06	1.81E-04	2.24E-04	1.64E-03	2.47E-04	6.68E-05	2.18E-03
1487	495561.06	3858501.99	0.04796	0.0549	0.0386	0.02108	1.94E-04	1.64E-03	2.46E-04	6.66E-05	2.14E-03	1.76E-04	1.77E-09	3.28E-06	1.82E-06	1.81E-04	2.24E-04	1.64E-03	2.46E-04	6.66E-05	2.17E-03
1488	495611.06	3858501.99	0.04768	0.05436	0.0385	0.021	1.93E-04	1.62E-03	2.45E-04	6.63E-05	2.13E-03	1.75E-04	1.75E-09	3.27E-06	1.81E-06	1.80E-04	2.23E-04	1.62E-03	2.45E-04	6.63E-05	2.16E-03
1489	495661.06	3858501.99	0.0475	0.05409	0.0381	0.02085	1.92E-04	1.61E-03	2.43E-04	6.58E-05	2.11E-03	1.75E-04	1.74E-09	3.24E-06	1.80E-06	1.80E-04	2.22E-04	1.61E-03	2.43E-04	6.58E-05	2.14E-03
1490	494311.06	3858551.99	0.06119	0.07362	0.0496	0.02534	2.47E-04	2.20E-03	3.17E-04	8.00E-05	2.84E-03	2.25E-04	2.37E-09	4.22E-06	2.18E-06	2.31E-04	2.86E-04	2.20E-03	3.17E-04	8.00E-05	2.88E-03
1491	494361.06	3858551.99	0.06172	0.07377	0.0499	0.02529	2.49E-04	2.20E-03	3.18E-04	7.98E-05	2.85E-03	2.27E-04	2.38E-09	4.24E-06	2.18E-06	2.33E-04	2.89E-04	2.20E-03	3.18E-04	7.98E-05	2.89E-03
1492	494411.06	3858551.99	0.06196	0.07391	0.0494	0.02514	2.50E-04	2.20E-03	3.15E-04	7.94E-05	2.85E-03	2.28E-04	2.38E-09	4.20E-06	2.16E-06	2.34E-04	2.90E-04	2.20E-03	3.15E-04	7.94E-05	2.89E-03
1493	494461.06	3858551.99	0.06189	0.07354	0.0492	0.02502	2.50E-04	2.19E-03	3.14E-04	7.90E-05	2.84E-03	2.28E-04	2.37E-09	4.18E-06	2.15E-06	2.34E-04	2.89E-04	2.19E-03	3.14E-04	7.90E-05	2.88E-03
1494	494511.06	3858551.99	0.06148	0.07287	0.0486	0.02485	2.49E-04	2.17E-03	3.10E-04	7.85E-05	2.81E-03	2.26E-04	2.35E-09	4.14E-06	2.14E-06	2.32E-04	2.88E-04	2.17E-03	3.10E-04	7.85E-05	2.85E-03
1495	494561.06	3858551.99	0.06116	0.07228	0.0483	0.02469	2.47E-04	2.16E-03	3.08E-04	7.80E-05	2.79E-03	2.25E-04	2.33E-09	4.10E-06	2.13E-06	2.31E-04	2.86E-04	2.16E-03	3.08E-04	7.80E-05	2.83E-03
1496	494611.06	3858551.99	0.06062	0.07151	0.0476	0.02451	2.45E-04	2.13E-03	3.04E-04	7.74E-05	2.76E-03	2.23E-04	2.30E-09	4.05E-06	2.11E-06	2.29E-04	2.83E-04	2.13E-03	3.04E-04	7.74E-05	2.80E-03
1497	494661.06	3858551.99	0.06015	0.0708	0.0471	0.02433	2.43E-04	2.11E-03	3.00E-04	7.68E-05	2.73E-03	2.21E-04	2.28E-09	4.00E-06	2.10E-06	2.27E-04	2.81E-04	2.11E-03	3.00E-04	7.68E-05	2.77E-03
1498	494711.06	3858551.99	0.05918	0.06964	0.0464	0.0241	2.39E-04	2.08E-03	2.96E-04	7.61E-05	2.69E-03	2.18E-04	2.24E-09	3.94E-06	2.08E-06	2.24E-04	2.77E-04	2.08E-03	2.96E-04	7.61E-05	2.73E-03
1499	494761.06	3858551.99	0.05823	0.06852	0.0456	0.02387	2.35E-04	2.04E-03	2.91E-04	7.54E-05	2.65E-03	2.14E-04	2.21E-09	3.88E-06	2.06E-06	2.20E-04	2.72E-04	2.04E-03	2.91E-04	7.54E-05	2.68E-03
1500	494811.06	3858551.99	0.05752	0.06762	0.0449	0.02368	2.33E-04	2.02E-03	2.86E-04	7.48E-05	2.61E-03	2.11E-04	2.18E-09	3.81E-06	2.04E-06	2.17E-04	2.69E-04	2.02E-03	2.86E-04	7.48E-05	2.65E-03
1501	494861.06	3858551.99	0.05656	0.06651	0.0442	0.02346	2.29E-04	1.98E-03	2.82E-04	7.41E-05	2.57E-03	2.08E-04	2.14E-09	3.76E-06	2.02E-06	2.14E-04	2.65E-04	1.98E-03	2.82E-04	7.41E-05	2.60E-03
1502	494911.06	3858551.99	0.05545	0.06526	0.0434	0.02321	2.24E-04	1.95E-03	2.77E-04	7.33E-05	2.52E-03	2.04E-04	2.10E-09	3.69E-06	2.00E-06	2.10E-04	2.59E-04	1.95E-03	2.77E-04	7.33E-05	2.56E-03
1503	494961.06	3858551.99	0.05461	0.06426	0.0428	0.02301	2.21E-04	1.92E-03	2.73E-04	7.27E-05	2.48E-03	2.01E-04	2.07E-09	3.64E-06	1.98E-06	2.06E-04	2.55E-04	1.92E-03	2.73E-04	7.27E-05	2.52E-03
1504	495011.06	3858551.99	0.05349	0.06304	0.0422	0.02278	2.16E-04	1.88E-03	2.69E-04	7.19E-05	2.44E-03	1.97E-04	2.03E-09	3.59E-06	1.96E-06	2.02E-04	2.50E-04	1.88E-03	2.69E-04	7.19E-05	2.47E-03
1505	495061.06	3858551.99	0.05279	0.06224	0.0417	0.02261	2.13E-04	1.86E-03	2.66E-04	7.14E-05	2.41E-03	1.94E-04	2.01E-09	3.54E-06	1.95E-06	2.00E-04	2.47E-04	1.86E-03	2.66E-04	7.14E-05	2.44E-03
1506	495111.06	3858551.99	0.05145	0.06081	0.0409	0.02236	2.08E-04	1.81E-03	2.61E-04	7.06E-05	2.35E-03	1.89E-04	1.96E-09	3.48E-06	1.93E-06	1.95E-04	2.41E-04	1.81E-03	2.61E-04	7.06E-05	2.39E-03
1507	495161.06	3858551.99	0.05063	0.05986	0.0404	0.02216	2.05E-04	1.79E-03	2.58E-04	7.00E-05	2.32E-03	1.86E-04	1.93E-09	3.44E-06	1.91E-06	1.91E-04	2.37E-04	1.79E-03	2.58E-04	7.00E-05	2.35E-03
1508	495211.06	3858551.99	0.04991	0.05901	0.0399	0.02199	2.02E-04	1.76E-03	2.55E-04	6.94E-05	2.29E-03	1.83E-04	1.90E-09	3.40E-06	1.89E-06	1.89E-04	2.33E-04	1.76E-03	2.55E-04	6.94E-05	2.32E-03
1509	495261.06	3858551.99	0.04945	0.05838	0.0396	0.02184	2.00E-04	1.74E-03	2.53E-04	6.90E-05	2.26E-03	1.82E-04	1.88E-09	3.37E-06	1.88E-06	1.87E-04	2.31E-04	1.74E-03	2.53E-04	6.90E-05	2.29E-03
1510	495311.06	3858551.99	0.04926	0.05799	0.0394	0.02172	1.99E-04	1.73E-03	2.51E-04	6.86E-05	2.25E-03	1.81E-04	1.87E-09	3.35E-06	1.87E-06	1.86E-04	2.30E-04	1.73E-03	2.51E-04	6.86E-05	2.28E-03
1511	495361.06	3858551.99	0.04902	0.05756	0.0391	0.0216	1.98E-04	1.72E-03	2.50E-04	6.82E-05	2.23E-03	1.80E-04	1.86E-09	3.33E-06	1.86E-06	1.85E-04	2.29E-04	1.72E-03	2.50E-04	6.82E-05	2.26E-03
1512	495411.06	3858551.99	0.04895	0.05728	0.039	0.02149	1.98E-04	1.71E-03	2.49E-04	6.79E-05	2.22E-03	1.80E-04	1.85E-09	3.31E-06	1.85E-06	1.85E-04	2.29E-04	1.71E-03	2.49E-04	6.79E-05	2.25E-03
1513	495461.06	3858551.99	0.04877	0.05691	0.0387	0.02137	1.97E-04	1.70E-03	2.47E-04	6.75E-05	2.21E-03	1.79E-04	1.83E-09	3.29E-06	1.84E-06	1.84E-04	2.28E-04	1.70E-03	2.47E-04	6.75E-05	2.24E-03
1514	495511.06	3858551.99	0.04872	0.05666	0.0386	0.02128	1.97E-04	1.69E-03	2.46E-04	6.72E-05	2.20E-03	1.79E-04	1.83E-09	3.28E-06	1.83E-06	1.84E-04	2.28E-04	1.69E-03	2.46E-04	6.72E-05	2.23E-03
1515	495561.06	3858551.99	0.04853	0.05628	0.0384	0.02116	1.96E-04	1.68E-03	2.45E-04	6.68E-05	2.19E-03	1.78E-04	1.81E-09	3.26E-06	1.82E-06	1.84E-04	2.27E-04	1.68E-03	2.45E-04	6.68E-05	2.22E-03
1516	495611.06	3858551.99	0.04827	0.05585	0.0381	0.02104	1.95E-04	1.67E-03	2.43E-04	6.64E-05	2.17E-03	1.77E-04	1.80E-09	3.24E-06	1.81E-06	1.83E-04	2.26E-04	1.67E-03	2.43E-04	6.64E-05	2.20E-03
1517	495661.06	3858551.99	0.04796	0.05538	0.0378	0.02091	1.94E-04	1.65E-03	2.41E-04	6.60E-05	2.15E-03	1.76E-04	1.78E-09	3.21E-06	1.80E-06	1.81E-04	2.24E-04	1.65E-03	2.41E-04	6.60E-05	2.18E-03
1518	494311.06	3858601.99	0.05735	0.07191	0.0462	0.02489	2.32E-04	2.15E-03	2.95E-04	7.86E-05	2.75E-03	2.11E-04	2.32E-09	3.93E-06	2.14E-06	2.17E-04	2.68E-04	2.15E-03	2.95E-04	7.86E-05	2.79E-03
1519	494361.06	3858601.99	0.06091	0.07459	0.0491	0.02531	2.46E-04	2.23E-03	3.13E-04	7.99E-05	2.86E-03	2.24E-04	2.40E-09	4.17E-06	2.18E-06	2.30E-04	2.85E-04	2.23E-03	3.13E-04	7.99E-05	2.90E-03
1520	494411.06	3858601.99	0.06306	0.07651	0.0496	0.02544	2.55E-04	2.28E-03	3.16E-04	8.03E-05	2.93E-03	2.32E-04	2.47E-09	4.22E-06	2.19E-06	2.38E-04	2.95E-04	2.28E-03	3.16E-04	8.03E-05	2.97E-03
1521	494461.06	3858601.99	0.06296	0.07609	0.0493	0.02531	2.54E-04	2.27E-03	3.14E-04	7.99E-05	2.92E-03	2.31E-04	2.45E-09	4.19E-06	2.18E-06	2.38E-04	2.94E-04	2.27E-03	3.14E-04	7.99E-05	2.96E-03

1522	494511.06	3858601.99	0.0623	0.07489	0.049	0.02515	2.52E-04	2.23E-03	3.12E-04	7.94E-05	2.88E-03	2.29E-04	2.41E-09	4.17E-06	2.17E-06	2.35E-04	2.91E-04	2.23E-03	3.12E-04	7.94E-05	2.92E-03
1523	494561.06	3858601.99	0.06238	0.0749	0.0486	0.02499	2.52E-04	2.23E-03	3.10E-04	7.89E-05	2.88E-03	2.29E-04	2.41E-09	4.13E-06	2.15E-06	2.36E-04	2.92E-04	2.23E-03	3.10E-04	7.89E-05	2.91E-03
1524	494611.06	3858601.99	0.0616	0.07387	0.0479	0.02476	2.49E-04	2.20E-03	3.06E-04	7.82E-05	2.84E-03	2.26E-04	2.38E-09	4.08E-06	2.13E-06	2.33E-04	2.88E-04	2.20E-03	3.06E-04	7.82E-05	2.88E-03
1525	494661.06	3858601.99	0.06106	0.07306	0.0475	0.02456	2.47E-04	2.18E-03	3.03E-04	7.75E-05	2.81E-03	2.24E-04	2.35E-09	4.04E-06	2.11E-06	2.31E-04	2.86E-04	2.18E-03	3.03E-04	7.75E-05	2.85E-03
1526	494711.06	3858601.99	0.06017	0.07193	0.0468	0.02432	2.43E-04	2.15E-03	2.99E-04	7.68E-05	2.76E-03	2.21E-04	2.32E-09	3.98E-06	2.09E-06	2.27E-04	2.81E-04	2.15E-03	2.99E-04	7.68E-05	2.80E-03
1527	494761.06	3858601.99	0.05927	0.07082	0.046	0.02409	2.40E-04	2.11E-03	2.93E-04	7.61E-05	2.72E-03	2.18E-04	2.28E-09	3.91E-06	2.07E-06	2.24E-04	2.77E-04	2.11E-03	2.93E-04	7.61E-05	2.76E-03
1528	494811.06	3858601.99	0.0579	0.06925	0.0449	0.02379	2.34E-04	2.07E-03	2.87E-04	7.51E-05	2.66E-03	2.13E-04	2.23E-09	3.82E-06	2.05E-06	2.19E-04	2.71E-04	2.07E-03	2.87E-04	7.51E-05	2.70E-03
1529	494861.06	3858601.99	0.05721	0.06835	0.0443	0.02359	2.31E-04	2.04E-03	2.83E-04	7.45E-05	2.63E-03	2.10E-04	2.20E-09	3.77E-06	2.03E-06	2.16E-04	2.68E-04	2.04E-03	2.83E-04	7.45E-05	2.66E-03
1530	494911.06	3858601.99	0.05594	0.06693	0.0433	0.02332	2.26E-04	2.00E-03	2.76E-04	7.36E-05	2.57E-03	2.06E-04	2.16E-09	3.68E-06	2.01E-06	2.11E-04	2.62E-04	2.00E-03	2.76E-04	7.36E-05	2.61E-03
1531	494961.06	3858601.99	0.05508	0.06587	0.0427	0.02311	2.23E-04	1.97E-03	2.72E-04	7.30E-05	2.53E-03	2.03E-04	2.12E-09	3.63E-06	1.99E-06	2.08E-04	2.58E-04	1.97E-03	2.72E-04	7.30E-05	2.57E-03
1532	495011.06	3858601.99	0.05418	0.0648	0.042	0.02289	2.19E-04	1.93E-03	2.68E-04	7.23E-05	2.49E-03	1.99E-04	2.09E-09	3.57E-06	1.97E-06	2.05E-04	2.53E-04	1.93E-03	2.68E-04	7.23E-05	2.53E-03
1533	495061.06	3858601.99	0.05323	0.06369	0.0413	0.02267	2.15E-04	1.90E-03	2.64E-04	7.16E-05	2.45E-03	1.96E-04	2.05E-09	3.52E-06	1.95E-06	2.01E-04	2.49E-04	1.90E-03	2.64E-04	7.16E-05	2.48E-03
1534	495111.06	3858601.99	0.05174	0.06217	0.0405	0.02241	2.09E-04	1.85E-03	2.58E-04	7.08E-05	2.39E-03	1.90E-04	2.00E-09	3.44E-06	1.93E-06	1.96E-04	2.42E-04	1.85E-03	2.58E-04	7.08E-05	2.43E-03
1535	495161.06	3858601.99	0.05103	0.06128	0.04	0.02222	2.06E-04	1.83E-03	2.55E-04	7.02E-05	2.36E-03	1.88E-04	1.98E-09	3.40E-06	1.91E-06	1.93E-04	2.39E-04	1.83E-03	2.55E-04	7.02E-05	2.39E-03
1536	495211.06	3858601.99	0.0506	0.06066	0.0396	0.02207	2.05E-04	1.81E-03	2.53E-04	6.97E-05	2.34E-03	1.86E-04	1.96E-09	3.37E-06	1.90E-06	1.91E-04	2.37E-04	1.81E-03	2.53E-04	6.97E-05	2.37E-03
1537	495261.06	3858601.99	0.05009	0.05994	0.0393	0.02191	2.02E-04	1.79E-03	2.51E-04	6.92E-05	2.31E-03	1.84E-04	1.93E-09	3.34E-06	1.89E-06	1.89E-04	2.34E-04	1.79E-03	2.51E-04	6.92E-05	2.34E-03
1538	495311.06	3858601.99	0.04975	0.0594	0.039	0.02176	2.01E-04	1.77E-03	2.49E-04	6.87E-05	2.29E-03	1.83E-04	1.91E-09	3.32E-06	1.87E-06	1.88E-04	2.33E-04	1.77E-03	2.49E-04	6.87E-05	2.32E-03
1539	495361.06	3858601.99	0.04959	0.05903	0.0388	0.02165	2.00E-04	1.76E-03	2.47E-04	6.84E-05	2.28E-03	1.82E-04	1.90E-09	3.30E-06	1.86E-06	1.87E-04	2.32E-04	1.76E-03	2.47E-04	6.84E-05	2.31E-03
1540	495411.06	3858601.99	0.04944	0.05867	0.0386	0.02153	2.00E-04	1.75E-03	2.46E-04	6.80E-05	2.26E-03	1.82E-04	1.89E-09	3.28E-06	1.85E-06	1.87E-04	2.31E-04	1.75E-03	2.46E-04	6.80E-05	2.30E-03
1541	495461.06	3858601.99	0.04934	0.05835	0.0384	0.02142	1.99E-04	1.74E-03	2.45E-04	6.76E-05	2.25E-03	1.81E-04	1.88E-09	3.26E-06	1.84E-06	1.87E-04	2.31E-04	1.74E-03	2.45E-04	6.76E-05	2.28E-03
1542	495511.06	3858601.99	0.04898	0.05781	0.0381	0.02129	1.98E-04	1.72E-03	2.43E-04	6.72E-05	2.23E-03	1.80E-04	1.86E-09	3.24E-06	1.83E-06	1.85E-04	2.29E-04	1.72E-03	2.43E-04	6.72E-05	2.26E-03
1543	495561.06	3858601.99	0.04899	0.0576	0.038	0.02119	1.98E-04	1.72E-03	2.42E-04	6.69E-05	2.23E-03	1.80E-04	1.86E-09	3.23E-06	1.82E-06	1.85E-04	2.29E-04	1.72E-03	2.42E-04	6.69E-05	2.26E-03
1544	495611.06	3858601.99	0.04854	0.05698	0.0377	0.02105	1.96E-04	1.70E-03	2.40E-04	6.65E-05	2.20E-03	1.78E-04	1.84E-09	3.20E-06	1.81E-06	1.83E-04	2.27E-04	1.70E-03	2.40E-04	6.65E-05	2.23E-03
1545	495661.06	3858601.99	0.04847	0.05671	0.0375	0.02095	1.96E-04	1.69E-03	2.39E-04	6.61E-05	2.19E-03	1.78E-04	1.83E-09	3.19E-06	1.80E-06	1.83E-04	2.27E-04	1.69E-03	2.39E-04	6.61E-05	2.22E-03
1546	494311.06	3858651.99	0.05641	0.07255	0.0452	0.02486	2.28E-04	2.16E-03	2.88E-04	7.85E-05	2.76E-03	2.07E-04	2.34E-09	3.84E-06	2.14E-06	2.13E-04	2.64E-04	2.16E-03	2.88E-04	7.85E-05	2.80E-03
1547	494361.06	3858651.99	0.05988	0.07521	0.0481	0.02528	2.42E-04	2.24E-03	3.07E-04	7.98E-05	2.87E-03	2.20E-04	2.42E-09	4.09E-06	2.18E-06	2.26E-04	2.80E-04	2.24E-03	3.07E-04	7.98E-05	2.91E-03
1548	494411.06	3858651.99	0.06354	0.07836	0.0503	0.02572	2.57E-04	2.34E-03	3.21E-04	8.12E-05	3.00E-03	2.34E-04	2.53E-09	4.28E-06	2.21E-06	2.40E-04	2.97E-04	2.34E-03	3.21E-04	8.12E-05	3.04E-03
1549	494461.06	3858651.99	0.0637	0.07846	0.0494	0.02552	2.57E-04	2.34E-03	3.15E-04	8.06E-05	2.99E-03	2.34E-04	2.53E-09	4.20E-06	2.20E-06	2.41E-04	2.98E-04	2.34E-03	3.15E-04	8.06E-05	3.03E-03
1550	494511.06	3858651.99	0.06329	0.07771	0.049	0.02534	2.56E-04	2.32E-03	3.12E-04	8.00E-05	2.97E-03	2.33E-04	2.50E-09	4.16E-06	2.18E-06	2.39E-04	2.96E-04	2.32E-03	3.12E-04	8.00E-05	3.01E-03
1551	494561.06	3858651.99	0.06307	0.07716	0.0486	0.02519	2.55E-04	2.30E-03	3.10E-04	7.95E-05	2.95E-03	2.32E-04	2.49E-09	4.14E-06	2.17E-06	2.38E-04	2.95E-04	2.30E-03	3.10E-04	7.95E-05	2.99E-03
1552	494611.06	3858651.99	0.06266	0.07644	0.0482	0.02501	2.53E-04	2.28E-03	3.07E-04	7.90E-05	2.92E-03	2.30E-04	2.46E-09	4.10E-06	2.15E-06	2.37E-04	2.93E-04	2.28E-03	3.07E-04	7.90E-05	2.96E-03
1553	494661.06	3858651.99	0.06195	0.07543	0.0476	0.02479	2.50E-04	2.25E-03	3.03E-04	7.83E-05	2.88E-03	2.28E-04	2.43E-09	4.05E-06	2.13E-06	2.34E-04	2.90E-04	2.25E-03	3.03E-04	7.83E-05	2.92E-03
1554	494711.06	3858651.99	0.06092	0.07408	0.0468	0.02453	2.46E-04	2.21E-03	2.99E-04	7.75E-05	2.83E-03	2.24E-04	2.39E-09	3.98E-06	2.11E-06	2.30E-04	2.85E-04	2.21E-03	2.99E-04	7.75E-05	2.87E-03
1555	494761.06	3858651.99	0.06014	0.07302	0.0462	0.02431	2.43E-04	2.18E-03	2.95E-04	7.68E-05	2.79E-03	2.21E-04	2.35E-09	3.93E-06	2.09E-06	2.27E-04	2.81E-04	2.18E-03	2.95E-04	7.68E-05	2.83E-03
1556	494811.06	3858651.99	0.05893	0.07156	0.0454	0.024	2.38E-04	2.13E-03	2.90E-04	7.58E-05	2.74E-03	2.17E-04	2.31E-09	3.86E-06	2.07E-06	2.23E-04	2.76E-04	2.13E-03	2.90E-04	7.58E-05	2.78E-03
1557	494861.06	3858651.99	0.05783	0.07023	0.0445	0.02374	2.34E-04	2.10E-03	2.84E-04	7.50E-05	2.69E-03	2.13E-04	2.26E-09	3.78E-06	2.04E-06	2.18E-04	2.70E-04	2.10E-03	2.84E-04	7.50E-05	2.72E-03
1558	494911.06	3858651.99	0.05659	0.06877	0.0435	0.02345	2.29E-04	2.05E-03	2.78E-04	7.40E-05	2.63E-03	2.08E-04	2.22E-09	3.70E-06	2.02E-06	2.14E-04	2.65E-04	2.05E-03	2.78E-04	7.40E-05	2.67E-03
1559	494961.06	3858651.99	0.0555	0.06747	0.0426	0.0232	2.24E-04	2.01E-03	2.72E-04	7.33E-05	2.58E-03	2.04E-04	2.17E-09	3.63E-06	2.00E-06	2.10E-04	2.60E-04	2.01E-03	2.72E-04	7.33E-05	2.62E-03
1560	495011.06	3858651.99	0.05467	0.06643	0.0419	0.02298	2.21E-04	1.98E-03	2.67E-04	7.26E-05	2.54E-03	2.01E-04	2.14E-09	3.56E-06	1.98E-06	2.07E-04	2.56E-04	1.98E-03	2.67E-04	7.26E-05	2.58E-03
1561	495061.06	3858651.99	0.05372	0.06527	0.0412	0.02276	2.17E-04	1.95E-03	2.63E-04	7.19E-05	2.50E-03	1.98E-04	2.10E-09	3.51E-06	1.96E-06	2.03E-04	2.51E-04	1.95E-03	2.63E-04	7.19E-05	2.53E-03
1562	495111.06	3858651.99	0.05258	0.064	0.0404	0.0225	2.13E-04	1.91E-03	2.58E-04	7.10E-05	2.45E-03	1.93E-04	2.06E-09	3.44E-06	1.94E-06	1.99E-04	2.46E-04	1.91E-03	2.58E-04	7.10E-05	2.48E-03
1563	495161.06	3858651.99	0.0519	0.06308	0.0399	0.02231	2.10E-04	1.88E-03	2.55E-04	7.04E-05	2.42E-03	1.91E-04	2.03E-09	3.40E-06	1.92E-06	1.96E-04	2.43E-04	1.88E-03	2.55E-04	7.04E-05	2.45E-03
1564	495211.06	3858651.99	0.05108	0.06208	0.0394	0.02212	2.06E-04	1.85E-03	2.51E-04	6.98E-05	2.38E-03	1.88E-04	2.00E-09	3.35E-06	1.90E-06	1.93E-04	2.39E-04	1.85E-03	2.51E-04	6.98E-05	2.41E-03
1565	495261.06	3858651.99	0.05091	0.06168	0.0392	0.02199	2.06E-04	1.84E-03	2.50E-04	6.94E-05	2.37E-03	1.87E-04	1.99E-09	3.33E-06	1.89E-06	1.92E-04	2.38E-04	1.84E-03	2.50E-04	6.94E-05	2.40E-03
1566	495311.06	3858651.99	0.05054	0.06109	0.0389	0.02185	2.04E-04	1.82E-03	2.48E-04	6.90E-05	2.34E-03	1.86E-04	1.97E-09	3.30E-06	1.88E-06	1.91E-04	2.36E-04	1.82E-03	2.48E-04	6.90E-05	2.38E-03
1567	495361.06	3858651.99	0.05031	0.06068	0.0386	0.02173	2.03E-04	1.81E-03	2.46E-04	6.86E-05	2.33E-03	1.85E-04	1.96E-09	3.29E-06	1.87E-06	1.90E-04	2.35E-04	1.81E-03	2.46E-04	6.86E-05	2.36E-03
1568	495411.06	3858651.99	0.05029	0.06036	0.0385	0.02162	2.03E-04	1.80E-03	2.45E-04	6.83E-05	2.32E-03	1.85E-04	1.95E-09	3.27E-06	1.86E-06	1.90E-04	2.35E-04	1.80E-03	2.45E-04	6.83E-05	2.35E-03
1569	495461.06	3858651.99	0.05033	0.06016	0.0384	0.02152	2.03E-04	1.79E-03	2.45E-04	6.79E-05	2.31E-03	1.85E-04	1.94E-09	3.26E-06	1.85E-06	1.90E-04	2.35E-04	1.79E-03	2.45E-04	6.79E-05	2.34E-03
1570	495511.06	3858651.99	0.04982	0.05952	0.038	0.02137	2.01E-04	1.78E-03	2.42E-04	6.75E-05	2.29E-03	1.83E-04	1.92E-09	3.23E-06	1.84E-06	1.88E-04	2.33E-04	1.78E-03	2.42E-04	6.75E-05	2.32E-03
1571	495561.06	3858651.99	0.04952	0.05902	0.0377	0.02124	2.00E-04	1.76E-03	2.40E-04	6.71E-05	2.27E-03	1.82E-04	1.90E-09	3.21E-06	1.83E-06	1.87E-04	2.32E-04	1.76E-03	2.40E-04	6.71E-05	2.30E-03
1572	495611.06	3858651.99	0.04899	0.05831	0.0373	0.02108	1.98E-04	1.74E-03	2.38E-04	6.66E-05	2.24E-03	1.80E-04	1.88E-09	3.17E-06	1.82E-06	1.85E-04	2.29E-04	1.74E-03	2.38E-04	6.66E-05	2.27E-03
1573	495661.06	3858651.99	0.04889	0.058	0.0372	0.02097	1.98E-04	1.73E-03	2.37E-04	6.62E-05	2.23E-03	1.80E-04	1.87E-09	3.16E-06	1.81E-06	1.85E-04	2.29E-04	1.73E-03	2.37E-04	6.62E-05	2.26E-03
1574	494311.06	3858701.99	0.05693	0.07457	0.0454	0.02502	2.30E-04	2.22E-03	2.89E-04	7.90E-05	2.82E-03	2.09E-04	2.40E-09	3.86E-06	2.15E-06	2.15E-04	2.66E-04	2.22E-03	2.89E-04	7.90E-05	2.86E-03
1575	494361.06	3858701.99	0.0616	0.07849	0.0489	0.02568	2.49E-04	2.34E-03	3.12E-04	8.11E-05	2.98E-03	2.26E-04	2.53E-09	4.16E-06	2.21E-06	2.33E-04	2.88E-04	2.34E-03	3.12E-04	8.11E-05	3.02E-03
1576	494411.06	3858701.99	0.06415	0.08069	0.0507	0.02595	2.59E-04	2.41E-03	3.23E-04	8.19E-05	3.07E-03	2.36E-04	2.60E-09	4.31E-06	2.23E-06	2.42E-04	3.00E-04	2.41E-03	3.23E-04	8.19E-05	3.11E-03
1577	494461.06	3858701.99	0.06424	0.08041	0.0506	0.02584	2.60E-04	2.40E-03	3.23E-04	8.16E-05	3.06E-03	2.36E-04	2.59E-09	4.31E-06	2.23E-06	2.43E-04	3.00E-04	2.40E-03	3.23E-04	8.16E-05	3.10E-03
1578	494511.06	3858701.99	0.06403	0.08013	0.0492	0.02555	2.59E-04	2.39E-03	3.14E-04	8.07E-05	3.04E-03	2.35E-04	2.58E-09	4.19E-06	2.20E-06	2.42E-04	2.99E-04	2.39E-03	3.14E-04	8.07E-05	3.08E-03
1579	494561.06	3858701.99	0.06367	0.0794	0.0488	0.02538	2.57E-04	2.37E-03	3.11E-04	8.01E-05	3.02E-03	2.34E-04	2.56E-09	4.15E-06	2.19E-06	2.40E-04	2.98E-04	2.37E-03	3.11E-04	8.01E-05	3.06E-03
1580	494611.06	3858701.99	0.06244	0.07779	0.0478	0.02508	2.52E-04	2.32E-03	3.05E-04	7.92E-05	2.96E-03	2.30E-04	2.51E-09	4.07E-06	2.16E-06	2.36E-04	2.92E-04	2.32E-03	3.05E-04	7.92E-05	3.00E-03
1581	494661.06	3858701.99	0.06244	0.07745	0.0476	0.02495	2.52E-04	2.31E-03	3.04E-04	7.88E-05	2.95E-03	2.30E-04	2.50E-09	4.05E-06	2.15E-06	2.36E-04	2.92E-04	2.31E-03	3.04E-04	7.88E-05	2.99E-03
1582	494711.06	3858701.99	0.05968	0.07433	0.0458	0.02443	2.41E-04	2.22E-03	2.92E-04	7.71E-05	2.83E-03	2.19E-04	2.40E-09	3.89E-06	2.10E-06	2.25E-04	2.79E-04	2.22E-03	2.92E-04	7.71E-05	2.87E-03

1583	494761.06	3858701.99	0.06035	0.0747	0.046	0.02441	2.44E-04	2.23E-03	2.93E-04	7.71E-05	2.84E-03	2.22E-04	2.41E-09	3.91E-06	2.10E-06	2.28E-04	2.82E-04	2.23E-03	2.93E-04	7.71E-05	2.88E-03
1584	494811.06	3858701.99	0.05944	0.07316	0.0451	0.02412	2.40E-04	2.18E-03	2.88E-04	7.62E-05	2.79E-03	2.19E-04	2.36E-09	3.84E-06	2.08E-06	2.24E-04	2.78E-04	2.18E-03	2.88E-04	7.62E-05	2.82E-03
1585	494861.06	3858701.99	0.05821	0.07193	0.0445	0.02386	2.35E-04	2.15E-03	2.84E-04	7.53E-05	2.74E-03	2.14E-04	2.32E-09	3.78E-06	2.05E-06	2.20E-04	2.72E-04	2.15E-03	2.84E-04	7.53E-05	2.78E-03
1586	494911.06	3858701.99	0.0574	0.07083	0.0439	0.02362	2.32E-04	2.11E-03	2.80E-04	7.46E-05	2.70E-03	2.11E-04	2.28E-09	3.73E-06	2.03E-06	2.17E-04	2.68E-04	2.11E-03	2.80E-04	7.46E-05	2.74E-03
1587	494961.06	3858701.99	0.0557	0.0689	0.0425	0.02325	2.25E-04	2.06E-03	2.71E-04	7.34E-05	2.63E-03	2.05E-04	2.22E-09	3.62E-06	2.00E-06	2.10E-04	2.60E-04	2.06E-03	2.71E-04	7.34E-05	2.66E-03
1588	495011.06	3858701.99	0.05467	0.06761	0.0417	0.023	2.21E-04	2.02E-03	2.66E-04	7.26E-05	2.58E-03	2.01E-04	2.18E-09	3.55E-06	1.98E-06	2.07E-04	2.56E-04	2.02E-03	2.66E-04	7.26E-05	2.61E-03
1589	495061.06	3858701.99	0.05426	0.06694	0.0413	0.02284	2.19E-04	2.00E-03	2.63E-04	7.21E-05	2.55E-03	1.99E-04	2.16E-09	3.51E-06	1.97E-06	2.05E-04	2.54E-04	2.00E-03	2.63E-04	7.21E-05	2.59E-03
1590	495111.06	3858701.99	0.05304	0.06552	0.0403	0.02257	2.14E-04	1.95E-03	2.57E-04	7.13E-05	2.50E-03	1.95E-04	2.11E-09	3.43E-06	1.94E-06	2.00E-04	2.48E-04	1.95E-03	2.57E-04	7.13E-05	2.53E-03
1591	495161.06	3858701.99	0.05248	0.0647	0.0399	0.0224	2.12E-04	1.93E-03	2.55E-04	7.07E-05	2.47E-03	1.93E-04	2.09E-09	3.39E-06	1.93E-06	1.98E-04	2.45E-04	1.93E-03	2.55E-04	7.07E-05	2.50E-03
1592	495211.06	3858701.99	0.05168	0.06369	0.0393	0.02217	2.09E-04	1.90E-03	2.51E-04	7.00E-05	2.43E-03	1.90E-04	2.05E-09	3.34E-06	1.91E-06	1.95E-04	2.42E-04	1.90E-03	2.51E-04	7.00E-05	2.46E-03
1593	495261.06	3858701.99	0.05155	0.0633	0.0391	0.02205	2.08E-04	1.89E-03	2.50E-04	6.96E-05	2.42E-03	1.90E-04	2.04E-09	3.33E-06	1.90E-06	1.95E-04	2.41E-04	1.89E-03	2.50E-04	6.96E-05	2.45E-03
1594	495311.06	3858701.99	0.05143	0.06292	0.0389	0.02193	2.08E-04	1.88E-03	2.48E-04	6.92E-05	2.40E-03	1.89E-04	2.03E-09	3.31E-06	1.89E-06	1.94E-04	2.41E-04	1.88E-03	2.48E-04	6.92E-05	2.44E-03
1595	495361.06	3858701.99	0.05116	0.06241	0.0387	0.02179	2.07E-04	1.86E-03	2.47E-04	6.88E-05	2.38E-03	1.88E-04	2.01E-09	3.29E-06	1.88E-06	1.93E-04	2.39E-04	1.86E-03	2.47E-04	6.88E-05	2.42E-03
1596	495411.06	3858701.99	0.05116	0.06215	0.0385	0.02169	2.07E-04	1.85E-03	2.46E-04	6.85E-05	2.38E-03	1.88E-04	2.00E-09	3.28E-06	1.87E-06	1.93E-04	2.39E-04	1.85E-03	2.46E-04	6.85E-05	2.41E-03
1597	495461.06	3858701.99	0.05097	0.06172	0.0383	0.02157	2.06E-04	1.84E-03	2.44E-04	6.81E-05	2.36E-03	1.87E-04	1.99E-09	3.26E-06	1.86E-06	1.93E-04	2.38E-04	1.84E-03	2.44E-04	6.81E-05	2.39E-03
1598	495511.06	3858701.99	0.05064	0.06116	0.038	0.02143	2.05E-04	1.82E-03	2.42E-04	6.77E-05	2.34E-03	1.86E-04	1.97E-09	3.23E-06	1.85E-06	1.91E-04	2.37E-04	1.82E-03	2.42E-04	6.77E-05	2.37E-03
1599	495561.06	3858701.99	0.05021	0.06052	0.0377	0.02128	2.03E-04	1.81E-03	2.40E-04	6.72E-05	2.32E-03	1.85E-04	1.95E-09	3.20E-06	1.83E-06	1.90E-04	2.35E-04	1.81E-03	2.40E-04	6.72E-05	2.35E-03
1600	495611.06	3858701.99	0.04977	0.05988	0.0373	0.02113	2.01E-04	1.79E-03	2.38E-04	6.67E-05	2.29E-03	1.83E-04	1.93E-09	3.17E-06	1.82E-06	1.88E-04	2.33E-04	1.79E-03	2.38E-04	6.67E-05	2.32E-03
1601	495661.06	3858701.99	0.04953	0.05943	0.0371	0.021	2.00E-04	1.77E-03	2.37E-04	6.63E-05	2.28E-03	1.82E-04	1.92E-09	3.15E-06	1.81E-06	1.87E-04	2.32E-04	1.77E-03	2.37E-04	6.63E-05	2.31E-03
1602	494311.06	3858751.99	0.05775	0.07667	0.0458	0.02531	2.33E-04	2.29E-03	2.92E-04	7.99E-05	2.89E-03	2.12E-04	2.47E-09	3.90E-06	2.18E-06	2.18E-04	2.70E-04	2.29E-03	2.92E-04	7.99E-05	2.93E-03
1603	494361.06	3858751.99	0.06298	0.08159	0.0497	0.02603	2.55E-04	2.43E-03	3.17E-04	8.22E-05	3.09E-03	2.32E-04	2.63E-09	4.23E-06	2.24E-06	2.38E-04	2.95E-04	2.43E-03	3.17E-04	8.22E-05	3.13E-03
1604	494411.06	3858751.99	0.06489	0.08324	0.0512	0.02624	2.62E-04	2.48E-03	3.27E-04	8.28E-05	3.16E-03	2.39E-04	2.68E-09	4.36E-06	2.26E-06	2.45E-04	3.03E-04	2.48E-03	3.27E-04	8.28E-05	3.20E-03
1605	494461.06	3858751.99	0.06496	0.08293	0.0512	0.02612	2.63E-04	2.47E-03	3.26E-04	8.25E-05	3.15E-03	2.39E-04	2.67E-09	4.35E-06	2.25E-06	2.45E-04	3.04E-04	2.47E-03	3.26E-04	8.25E-05	3.19E-03
1606	494511.06	3858751.99	0.06495	0.08285	0.0496	0.02582	2.63E-04	2.47E-03	3.16E-04	8.15E-05	3.13E-03	2.39E-04	2.67E-09	4.22E-06	2.22E-06	2.45E-04	3.04E-04	2.47E-03	3.16E-04	8.15E-05	3.17E-03
1607	494561.06	3858751.99	0.0644	0.08157	0.0494	0.02566	2.60E-04	2.43E-03	3.15E-04	8.10E-05	3.09E-03	2.37E-04	2.63E-09	4.20E-06	2.21E-06	2.43E-04	3.01E-04	2.43E-03	3.15E-04	8.10E-05	3.13E-03
1608	494611.06	3858751.99	0.06334	0.08014	0.0484	0.02534	2.56E-04	2.39E-03	3.09E-04	8.00E-05	3.04E-03	2.33E-04	2.58E-09	4.12E-06	2.18E-06	2.39E-04	2.96E-04	2.39E-03	3.09E-04	8.00E-05	3.08E-03
1609	494661.06	3858751.99	0.063	0.07935	0.0483	0.0252	2.55E-04	2.37E-03	3.08E-04	7.96E-05	3.01E-03	2.32E-04	2.56E-09	4.11E-06	2.17E-06	2.38E-04	2.95E-04	2.37E-03	3.08E-04	7.96E-05	3.05E-03
1610	494711.06	3858751.99	0.06151	0.07744	0.047	0.02484	2.49E-04	2.31E-03	3.00E-04	7.84E-05	2.94E-03	2.26E-04	2.50E-09	4.00E-06	2.14E-06	2.32E-04	2.88E-04	2.31E-03	3.00E-04	7.84E-05	2.98E-03
1611	494761.06	3858751.99	0.06089	0.07672	0.0461	0.02456	2.46E-04	2.29E-03	2.94E-04	7.75E-05	2.91E-03	2.24E-04	2.47E-09	3.92E-06	2.11E-06	2.30E-04	2.85E-04	2.29E-03	2.94E-04	7.75E-05	2.94E-03
1612	494811.06	3858751.99	0.05959	0.07504	0.0451	0.02424	2.41E-04	2.24E-03	2.87E-04	7.65E-05	2.84E-03	2.19E-04	2.42E-09	3.83E-06	2.09E-06	2.25E-04	2.79E-04	2.24E-03	2.87E-04	7.65E-05	2.88E-03
1613	494861.06	3858751.99	0.05846	0.07353	0.0442	0.02395	2.36E-04	2.19E-03	2.82E-04	7.56E-05	2.79E-03	2.15E-04	2.37E-09	3.76E-06	2.06E-06	2.21E-04	2.73E-04	2.19E-03	2.82E-04	7.56E-05	2.82E-03
1614	494911.06	3858751.99	0.05719	0.07194	0.0434	0.02365	2.31E-04	2.15E-03	2.77E-04	7.47E-05	2.73E-03	2.10E-04	2.32E-09	3.69E-06	2.04E-06	2.16E-04	2.67E-04	2.15E-03	2.77E-04	7.47E-05	2.76E-03
1615	494961.06	3858751.99	0.05631	0.07075	0.0427	0.02338	2.28E-04	2.11E-03	2.73E-04	7.38E-05	2.68E-03	2.07E-04	2.28E-09	3.63E-06	2.01E-06	2.13E-04	2.63E-04	2.11E-03	2.73E-04	7.38E-05	2.72E-03
1616	495011.06	3858751.99	0.05574	0.06987	0.0423	0.02318	2.25E-04	2.08E-03	2.70E-04	7.32E-05	2.65E-03	2.05E-04	2.25E-09	3.60E-06	2.00E-06	2.11E-04	2.61E-04	2.08E-03	2.70E-04	7.32E-05	2.69E-03
1617	495061.06	3858751.99	0.05481	0.06867	0.0415	0.02294	2.22E-04	2.05E-03	2.65E-04	7.24E-05	2.61E-03	2.02E-04	2.21E-09	3.53E-06	1.98E-06	2.07E-04	2.56E-04	2.05E-03	2.65E-04	7.24E-05	2.64E-03
1618	495111.06	3858751.99	0.05371	0.06728	0.0407	0.02266	2.17E-04	2.01E-03	2.59E-04	7.15E-05	2.56E-03	1.97E-04	2.17E-09	3.46E-06	1.95E-06	2.03E-04	2.51E-04	2.01E-03	2.59E-04	7.15E-05	2.59E-03
1619	495161.06	3858751.99	0.05311	0.06641	0.0401	0.02247	2.15E-04	1.98E-03	2.56E-04	7.09E-05	2.52E-03	1.95E-04	2.14E-09	3.41E-06	1.93E-06	2.01E-04	2.48E-04	1.98E-03	2.56E-04	7.09E-05	2.56E-03
1620	495211.06	3858751.99	0.05232	0.06537	0.0393	0.02226	2.11E-04	1.95E-03	2.51E-04	7.03E-05	2.48E-03	1.92E-04	2.11E-09	3.34E-06	1.92E-06	1.98E-04	2.45E-04	1.95E-03	2.51E-04	7.03E-05	2.52E-03
1621	495261.06	3858751.99	0.05215	0.06492	0.0391	0.02213	2.11E-04	1.94E-03	2.49E-04	6.99E-05	2.47E-03	1.92E-04	2.09E-09	3.33E-06	1.91E-06	1.97E-04	2.44E-04	1.94E-03	2.49E-04	6.99E-05	2.50E-03
1622	495311.06	3858751.99	0.05204	0.06454	0.0389	0.022	2.10E-04	1.93E-03	2.48E-04	6.95E-05	2.45E-03	1.91E-04	2.08E-09	3.31E-06	1.89E-06	1.97E-04	2.43E-04	1.93E-03	2.48E-04	6.95E-05	2.49E-03
1623	495361.06	3858751.99	0.05179	0.06403	0.0387	0.02187	2.09E-04	1.91E-03	2.47E-04	6.91E-05	2.44E-03	1.90E-04	2.06E-09	3.29E-06	1.88E-06	1.96E-04	2.42E-04	1.91E-03	2.47E-04	6.91E-05	2.47E-03
1624	495411.06	3858751.99	0.05187	0.06383	0.0386	0.02178	2.10E-04	1.90E-03	2.46E-04	6.88E-05	2.43E-03	1.91E-04	2.06E-09	3.28E-06	1.88E-06	1.96E-04	2.43E-04	1.90E-03	2.46E-04	6.88E-05	2.46E-03
1625	495461.06	3858751.99	0.05168	0.06339	0.0384	0.02165	2.09E-04	1.89E-03	2.45E-04	6.84E-05	2.41E-03	1.90E-04	2.04E-09	3.26E-06	1.86E-06	1.95E-04	2.42E-04	1.89E-03	2.45E-04	6.84E-05	2.45E-03
1626	495511.06	3858751.99	0.05134	0.0628	0.0381	0.0215	2.08E-04	1.87E-03	2.43E-04	6.79E-05	2.39E-03	1.89E-04	2.02E-09	3.24E-06	1.85E-06	1.94E-04	2.40E-04	1.87E-03	2.43E-04	6.79E-05	2.42E-03
1627	495561.06	3858751.99	0.05093	0.06216	0.0378	0.02135	2.06E-04	1.85E-03	2.41E-04	6.74E-05	2.37E-03	1.87E-04	2.00E-09	3.21E-06	1.84E-06	1.92E-04	2.38E-04	1.85E-03	2.41E-04	6.74E-05	2.40E-03
1628	495611.06	3858751.99	0.05052	0.06151	0.0374	0.02119	2.04E-04	1.84E-03	2.39E-04	6.69E-05	2.34E-03	1.86E-04	1.98E-09	3.18E-06	1.82E-06	1.91E-04	2.36E-04	1.84E-03	2.39E-04	6.69E-05	2.38E-03
1629	495661.06	3858751.99	0.0502	0.06097	0.0372	0.02105	2.03E-04	1.82E-03	2.37E-04	6.65E-05	2.33E-03	1.85E-04	1.97E-09	3.16E-06	1.81E-06	1.90E-04	2.35E-04	1.82E-03	2.37E-04	6.65E-05	2.36E-03
1630	494311.06	3858801.99	0.05967	0.08021	0.0466	0.02573	2.41E-04	2.39E-03	2.97E-04	8.12E-05	3.01E-03	2.19E-04	2.59E-09	3.96E-06	2.22E-06	2.26E-04	2.79E-04	2.39E-03	2.97E-04	8.12E-05	3.05E-03
1631	494361.06	3858801.99	0.06391	0.08436	0.0502	0.02636	2.58E-04	2.52E-03	3.20E-04	8.32E-05	3.18E-03	2.35E-04	2.72E-09	4.27E-06	2.27E-06	2.42E-04	2.99E-04	2.52E-03	3.20E-04	8.32E-05	3.22E-03
1632	494411.06	3858801.99	0.06494	0.08512	0.051	0.02644	2.63E-04	2.54E-03	3.25E-04	8.35E-05	3.21E-03	2.39E-04	2.74E-09	4.34E-06	2.28E-06	2.45E-04	3.04E-04	2.54E-03	3.25E-04	8.35E-05	3.25E-03
1633	494461.06	3858801.99	0.06545	0.08533	0.0509	0.02634	2.65E-04	2.55E-03	3.25E-04	8.32E-05	3.22E-03	2.41E-04	2.75E-09	4.33E-06	2.27E-06	2.47E-04	3.06E-04	2.55E-03	3.25E-04	8.32E-05	3.26E-03
1634	494511.06	3858801.99	0.06553	0.08537	0.0496	0.02606	2.65E-04	2.55E-03	3.17E-04	8.23E-05	3.21E-03	2.41E-04	2.75E-09	4.22E-06	2.24E-06	2.47E-04	3.06E-04	2.55E-03	3.17E-04	8.23E-05	3.25E-03
1635	494561.06	3858801.99	0.06531	0.08473	0.0493	0.02589	2.64E-04	2.53E-03	3.15E-04	8.17E-05	3.19E-03	2.40E-04	2.73E-09	4.20E-06	2.23E-06	2.47E-04	3.05E-04	2.53E-03	3.15E-04	8.17E-05	3.23E-03
1636	494611.06	3858801.99	0.06478	0.08373	0.0488	0.02567	2.62E-04	2.50E-03	3.11E-04	8.10E-05	3.15E-03	2.38E-04	2.70E-09	4.15E-06	2.21E-06	2.45E-04	3.03E-04	2.50E-03	3.11E-04	8.10E-05	3.19E-03
1637	494661.06	3858801.99	0.06379	0.08219	0.048	0.02536	2.58E-04	2.45E-03	3.06E-04	8.01E-05	3.10E-03	2.35E-04	2.65E-09	4.08E-06	2.18E-06	2.41E-04	2.98E-04	2.45E-03	3.06E-04	8.01E-05	3.14E-03
1638	494711.06	3858801.99	0.06258	0.08046	0.047	0.02502	2.53E-04	2.40E-03	3.00E-04	7.90E-05	3.03E-03	2.30E-04	2.59E-09	4.00E-06	2.15E-06	2.36E-04	2.93E-04	2.40E-03	3.00E-04	7.90E-05	3.07E-03
1639	494761.06	3858801.99	0.06114	0.07851	0.0459	0.02466	2.47E-04	2.34E-03	2.93E-04	7.79E-05	2.96E-03	2.25E-04	2.53E-09	3.90E-06	2.12E-06	2.31E-04	2.86E-04	2.34E-03	2.93E-04	7.79E-05	3.00E-03
1640	494811.06	3858801.99	0.05963	0.07654	0.0448	0.02431	2.41E-04	2.28E-03	2.86E-04	7.68E-05	2.89E-03	2.19E-04	2.47E-09	3.81E-06	2.09E-06	2.25E-04	2.79E-04	2.28E-03	2.86E-04	7.68E-05	2.92E-03
1641	494861.06	3858801.99	0.05889	0.07539	0.0442	0.02407	2.38E-04	2.25E-03	2.82E-04	7.60E-05	2.84E-03	2.17E-04	2.43E-09	3.76E-06	2.07E-06	2.22E-04	2.75E-04	2.25E-03	2.82E-04	7.60E-05	2.88E-03
1642	494911.06	3858801.99	0.05769	0.07381	0.0433	0.02376	2.33E-04	2.20E-03	2.76E-04	7.50E-05	2.79E-03	2.12E-04	2.38E-09	3.68E-06	2.05E-06	2.18E-04	2.70E-04	2.20E-03	2.76E-04	7.50E-05	2.82E-03
1643	494961.06	3858801.99	0.05684	0.07256	0.0426	0.02351	2.30E-04	2.16E-03	2.72E-04	7.42E-05	2.74E-03	2.09E-04	2.34E-09	3.63E-06	2.02E-06	2.15E-04	2.66E-04	2.16E-03	2.72E-04	7.42E-05	2.78E-03

1644	495011.06	3858801.99	0.05592	0.0713	0.042	0.02325	2.26E-04	2.13E-03	2.68E-04	7.34E-05	2.69E-03	2.06E-04	2.30E-09	3.57E-06	2.00E-06	2.11E-04	2.62E-04	2.13E-03	2.68E-04	7.34E-05	2.73E-03
1645	495061.06	3858801.99	0.05537	0.07043	0.0416	0.02304	2.24E-04	2.10E-03	2.65E-04	7.27E-05	2.66E-03	2.04E-04	2.27E-09	3.53E-06	1.98E-06	2.09E-04	2.59E-04	2.10E-03	2.65E-04	7.27E-05	2.70E-03
1646	495111.06	3858801.99	0.05415	0.06888	0.0407	0.02273	2.19E-04	2.05E-03	2.60E-04	7.18E-05	2.61E-03	1.99E-04	2.22E-09	3.46E-06	1.96E-06	2.05E-04	2.53E-04	2.05E-03	2.60E-04	7.18E-05	2.64E-03
1647	495161.06	3858801.99	0.05328	0.06772	0.04	0.02249	2.15E-04	2.02E-03	2.55E-04	7.10E-05	2.56E-03	1.96E-04	2.18E-09	3.40E-06	1.94E-06	2.01E-04	2.49E-04	2.02E-03	2.55E-04	7.10E-05	2.60E-03
1648	495211.06	3858801.99	0.05287	0.06701	0.0396	0.02231	2.14E-04	2.00E-03	2.53E-04	7.04E-05	2.54E-03	1.94E-04	2.16E-09	3.37E-06	1.92E-06	2.00E-04	2.47E-04	2.00E-03	2.53E-04	7.04E-05	2.57E-03
1649	495261.06	3858801.99	0.05273	0.06654	0.0394	0.02218	2.13E-04	1.99E-03	2.51E-04	7.00E-05	2.52E-03	1.94E-04	2.14E-09	3.35E-06	1.91E-06	1.99E-04	2.47E-04	1.99E-03	2.51E-04	7.00E-05	2.55E-03
1650	495311.06	3858801.99	0.05268	0.06623	0.0393	0.02207	2.13E-04	1.98E-03	2.50E-04	6.97E-05	2.51E-03	1.94E-04	2.13E-09	3.34E-06	1.90E-06	1.99E-04	2.46E-04	1.98E-03	2.50E-04	6.97E-05	2.54E-03
1651	495361.06	3858801.99	0.05247	0.06571	0.0391	0.02193	2.12E-04	1.96E-03	2.49E-04	6.92E-05	2.49E-03	1.93E-04	2.12E-09	3.32E-06	1.89E-06	1.98E-04	2.45E-04	1.96E-03	2.49E-04	6.92E-05	2.52E-03
1652	495411.06	3858801.99	0.0527	0.06567	0.0391	0.02186	2.13E-04	1.96E-03	2.49E-04	6.90E-05	2.49E-03	1.94E-04	2.12E-09	3.32E-06	1.88E-06	1.99E-04	2.46E-04	1.96E-03	2.49E-04	6.90E-05	2.52E-03
1653	495461.06	3858801.99	0.05244	0.06514	0.0388	0.02172	2.12E-04	1.94E-03	2.47E-04	6.86E-05	2.47E-03	1.93E-04	2.10E-09	3.30E-06	1.87E-06	1.98E-04	2.45E-04	1.94E-03	2.47E-04	6.86E-05	2.50E-03
1654	495511.06	3858801.99	0.05202	0.06444	0.0385	0.02155	2.10E-04	1.92E-03	2.45E-04	6.80E-05	2.45E-03	1.91E-04	2.08E-09	3.27E-06	1.86E-06	1.96E-04	2.43E-04	1.92E-03	2.45E-04	6.80E-05	2.48E-03
1655	495561.06	3858801.99	0.05169	0.06385	0.0382	0.0214	2.09E-04	1.90E-03	2.44E-04	6.76E-05	2.43E-03	1.90E-04	2.06E-09	3.25E-06	1.84E-06	1.95E-04	2.42E-04	1.90E-03	2.44E-04	6.76E-05	2.46E-03
1656	495611.06	3858801.99	0.05115	0.06306	0.0377	0.02123	2.07E-04	1.88E-03	2.40E-04	6.70E-05	2.40E-03	1.88E-04	2.03E-09	3.21E-06	1.83E-06	1.93E-04	2.39E-04	1.88E-03	2.40E-04	6.70E-05	2.43E-03
1657	495661.06	3858801.99	0.05093	0.0626	0.0375	0.0211	2.06E-04	1.87E-03	2.39E-04	6.66E-05	2.38E-03	1.87E-04	2.02E-09	3.19E-06	1.82E-06	1.92E-04	2.38E-04	1.87E-03	2.39E-04	6.66E-05	2.41E-03
1658	494311.06	3858851.99	0.06373	0.08638	0.0493	0.02661	2.58E-04	2.58E-03	3.15E-04	8.40E-05	3.23E-03	2.34E-04	2.78E-09	4.20E-06	2.29E-06	2.41E-04	2.98E-04	2.58E-03	3.15E-04	8.40E-05	3.27E-03
1659	494361.06	3858851.99	0.06604	0.08877	0.0515	0.02696	2.67E-04	2.65E-03	3.29E-04	8.51E-05	3.33E-03	2.43E-04	2.86E-09	4.38E-06	2.32E-06	2.50E-04	3.09E-04	2.65E-03	3.29E-04	8.51E-05	3.37E-03
1660	494411.06	3858851.99	0.06592	0.08822	0.0513	0.02679	2.66E-04	2.63E-03	3.27E-04	8.46E-05	3.31E-03	2.42E-04	2.84E-09	4.37E-06	2.31E-06	2.49E-04	3.08E-04	2.63E-03	3.27E-04	8.46E-05	3.35E-03
1661	494461.06	3858851.99	0.06611	0.08806	0.0509	0.02662	2.67E-04	2.63E-03	3.25E-04	8.40E-05	3.30E-03	2.43E-04	2.84E-09	4.33E-06	2.29E-06	2.50E-04	3.09E-04	2.63E-03	3.25E-04	8.40E-05	3.35E-03
1662	494511.06	3858851.99	0.06591	0.08775	0.0493	0.02624	2.66E-04	2.62E-03	3.14E-04	8.28E-05	3.28E-03	2.42E-04	2.83E-09	4.19E-06	2.26E-06	2.49E-04	3.08E-04	2.62E-03	3.14E-04	8.28E-05	3.32E-03
1663	494561.06	3858851.99	0.06557	0.08694	0.049	0.02605	2.65E-04	2.59E-03	3.12E-04	8.22E-05	3.25E-03	2.41E-04	2.80E-09	4.16E-06	2.24E-06	2.47E-04	3.07E-04	2.59E-03	3.12E-04	8.22E-05	3.29E-03
1664	494611.06	3858851.99	0.06488	0.08568	0.0484	0.02579	2.62E-04	2.56E-03	3.09E-04	8.14E-05	3.21E-03	2.39E-04	2.76E-09	4.12E-06	2.22E-06	2.45E-04	3.03E-04	2.56E-03	3.09E-04	8.14E-05	3.25E-03
1665	494661.06	3858851.99	0.06396	0.08417	0.0477	0.0255	2.59E-04	2.51E-03	3.04E-04	8.05E-05	3.15E-03	2.35E-04	2.71E-09	4.05E-06	2.20E-06	2.41E-04	2.99E-04	2.51E-03	3.04E-04	8.05E-05	3.19E-03
1666	494711.06	3858851.99	0.06255	0.08209	0.0466	0.02512	2.53E-04	2.45E-03	2.97E-04	7.93E-05	3.08E-03	2.30E-04	2.65E-09	3.96E-06	2.16E-06	2.36E-04	2.93E-04	2.45E-03	2.97E-04	7.93E-05	3.12E-03
1667	494761.06	3858851.99	0.06119	0.08014	0.0456	0.02474	2.47E-04	2.39E-03	2.91E-04	7.81E-05	3.01E-03	2.25E-04	2.58E-09	3.87E-06	2.13E-06	2.31E-04	2.86E-04	2.39E-03	2.91E-04	7.81E-05	3.05E-03
1668	494811.06	3858851.99	0.06007	0.07851	0.0447	0.02442	2.43E-04	2.34E-03	2.85E-04	7.71E-05	2.95E-03	2.21E-04	2.53E-09	3.80E-06	2.10E-06	2.27E-04	2.81E-04	2.34E-03	2.85E-04	7.71E-05	2.99E-03
1669	494861.06	3858851.99	0.05938	0.07738	0.0441	0.02418	2.40E-04	2.31E-03	2.81E-04	7.63E-05	2.91E-03	2.18E-04	2.49E-09	3.75E-06	2.08E-06	2.24E-04	2.78E-04	2.31E-03	2.81E-04	7.63E-05	2.94E-03
1670	494911.06	3858851.99	0.05834	0.07587	0.0433	0.0239	2.36E-04	2.26E-03	2.76E-04	7.55E-05	2.85E-03	2.14E-04	2.45E-09	3.68E-06	2.06E-06	2.20E-04	2.73E-04	2.26E-03	2.76E-04	7.55E-05	2.89E-03
1671	494961.06	3858851.99	0.05744	0.07455	0.0426	0.02363	2.32E-04	2.22E-03	2.72E-04	7.46E-05	2.80E-03	2.11E-04	2.40E-09	3.62E-06	2.03E-06	2.17E-04	2.69E-04	2.22E-03	2.72E-04	7.46E-05	2.84E-03
1672	495011.06	3858851.99	0.05673	0.07345	0.0421	0.02339	2.29E-04	2.19E-03	2.68E-04	7.39E-05	2.76E-03	2.09E-04	2.37E-09	3.58E-06	2.01E-06	2.14E-04	2.65E-04	2.19E-03	2.68E-04	7.39E-05	2.80E-03
1673	495061.06	3858851.99	0.05586	0.0722	0.0414	0.02314	2.26E-04	2.15E-03	2.64E-04	7.31E-05	2.72E-03	2.05E-04	2.33E-09	3.52E-06	1.99E-06	2.11E-04	2.61E-04	2.15E-03	2.64E-04	7.31E-05	2.75E-03
1674	495111.06	3858851.99	0.0542	0.07012	0.0404	0.02275	2.19E-04	2.09E-03	2.57E-04	7.18E-05	2.64E-03	1.99E-04	2.26E-09	3.43E-06	1.96E-06	2.05E-04	2.53E-04	2.09E-03	2.57E-04	7.18E-05	2.67E-03
1675	495161.06	3858851.99	0.05337	0.06895	0.0398	0.0225	2.16E-04	2.06E-03	2.54E-04	7.10E-05	2.60E-03	1.96E-04	2.22E-09	3.39E-06	1.94E-06	2.02E-04	2.50E-04	2.06E-03	2.54E-04	7.10E-05	2.63E-03
1676	495211.06	3858851.99	0.05351	0.06876	0.0398	0.02241	2.16E-04	2.05E-03	2.54E-04	7.08E-05	2.59E-03	1.97E-04	2.22E-09	3.38E-06	1.93E-06	2.02E-04	2.50E-04	2.05E-03	2.54E-04	7.08E-05	2.63E-03
1677	495261.06	3858851.99	0.05336	0.06829	0.0396	0.02227	2.16E-04	2.04E-03	2.53E-04	7.03E-05	2.58E-03	1.96E-04	2.20E-09	3.37E-06	1.92E-06	2.01E-04	2.50E-04	2.04E-03	2.53E-04	7.03E-05	2.61E-03
1678	495311.06	3858851.99	0.05339	0.06801	0.0395	0.02217	2.16E-04	2.03E-03	2.52E-04	7.00E-05	2.57E-03	1.96E-04	2.19E-09	3.36E-06	1.91E-06	2.02E-04	2.50E-04	2.03E-03	2.52E-04	7.00E-05	2.60E-03
1679	495361.06	3858851.99	0.05328	0.06759	0.0393	0.02204	2.15E-04	2.02E-03	2.51E-04	6.96E-05	2.55E-03	1.96E-04	2.18E-09	3.35E-06	1.90E-06	2.01E-04	2.49E-04	2.02E-03	2.51E-04	6.96E-05	2.59E-03
1680	495411.06	3858851.99	0.05317	0.06719	0.0392	0.02192	2.15E-04	2.00E-03	2.50E-04	6.92E-05	2.54E-03	1.95E-04	2.17E-09	3.33E-06	1.89E-06	2.01E-04	2.49E-04	2.00E-03	2.50E-04	6.92E-05	2.57E-03
1681	495461.06	3858851.99	0.05312	0.06684	0.039	0.0218	2.15E-04	1.99E-03	2.49E-04	6.88E-05	2.53E-03	1.95E-04	2.15E-09	3.32E-06	1.88E-06	2.00E-04	2.48E-04	1.99E-03	2.49E-04	6.88E-05	2.56E-03
1682	495511.06	3858851.99	0.05297	0.06621	0.0391	0.02173	2.14E-04	1.98E-03	2.49E-04	6.86E-05	2.51E-03	1.95E-04	2.13E-09	3.32E-06	1.87E-06	2.00E-04	2.48E-04	1.98E-03	2.49E-04	6.86E-05	2.54E-03
1683	495561.06	3858851.99	0.05211	0.06526	0.0382	0.02144	2.11E-04	1.95E-03	2.44E-04	6.77E-05	2.47E-03	1.92E-04	2.10E-09	3.25E-06	1.85E-06	1.97E-04	2.44E-04	1.95E-03	2.44E-04	6.77E-05	2.50E-03
1684	495611.06	3858851.99	0.05152	0.06441	0.0378	0.02125	2.08E-04	1.92E-03	2.41E-04	6.71E-05	2.44E-03	1.89E-04	2.08E-09	3.21E-06	1.83E-06	1.94E-04	2.41E-04	1.92E-03	2.41E-04	6.71E-05	2.47E-03
1685	495661.06	3858851.99	0.05145	0.06406	0.0376	0.02113	2.08E-04	1.91E-03	2.40E-04	6.67E-05	2.43E-03	1.89E-04	2.06E-09	3.20E-06	1.82E-06	1.94E-04	2.41E-04	1.91E-03	2.40E-04	6.67E-05	2.46E-03
1686	494311.06	3858901.99	0.065	0.08981	0.0494	0.02699	2.63E-04	2.68E-03	3.15E-04	8.52E-05	3.34E-03	2.39E-04	2.89E-09	4.20E-06	2.32E-06	2.46E-04	3.04E-04	2.68E-03	3.15E-04	8.52E-05	3.38E-03
1687	494361.06	3858901.99	0.06663	0.0916	0.0507	0.02721	2.69E-04	2.73E-03	3.23E-04	8.59E-05	3.41E-03	2.45E-04	2.95E-09	4.31E-06	2.34E-06	2.52E-04	3.12E-04	2.73E-03	3.23E-04	8.59E-05	3.45E-03
1688	494411.06	3858901.99	0.06678	0.09142	0.0508	0.0271	2.70E-04	2.73E-03	3.24E-04	8.56E-05	3.41E-03	2.46E-04	2.95E-09	4.32E-06	2.33E-06	2.52E-04	3.12E-04	2.73E-03	3.24E-04	8.56E-05	3.45E-03
1689	494461.06	3858901.99	0.06679	0.0914	0.049	0.02668	2.70E-04	2.73E-03	3.13E-04	8.42E-05	3.39E-03	2.46E-04	2.95E-09	4.17E-06	2.30E-06	2.52E-04	3.12E-04	2.73E-03	3.13E-04	8.42E-05	3.44E-03
1690	494511.06	3858901.99	0.06674	0.09095	0.0489	0.02652	2.70E-04	2.71E-03	3.12E-04	8.37E-05	3.38E-03	2.45E-04	2.93E-09	4.16E-06	2.28E-06	2.52E-04	3.12E-04	2.71E-03	3.12E-04	8.37E-05	3.42E-03
1691	494561.06	3858901.99	0.06605	0.08955	0.0485	0.02625	2.67E-04	2.67E-03	3.09E-04	8.29E-05	3.33E-03	2.43E-04	2.89E-09	4.12E-06	2.26E-06	2.49E-04	3.09E-04	2.67E-03	3.09E-04	8.29E-05	3.37E-03
1692	494611.06	3858901.99	0.06474	0.08739	0.0476	0.02586	2.62E-04	2.61E-03	3.03E-04	8.16E-05	3.25E-03	2.38E-04	2.82E-09	4.05E-06	2.23E-06	2.44E-04	3.03E-04	2.61E-03	3.03E-04	8.16E-05	3.30E-03
1693	494661.06	3858901.99	0.06406	0.08612	0.0471	0.0256	2.59E-04	2.57E-03	3.00E-04	8.08E-05	3.21E-03	2.36E-04	2.78E-09	4.00E-06	2.20E-06	2.42E-04	3.00E-04	2.57E-03	3.00E-04	8.08E-05	3.25E-03
1694	494711.06	3858901.99	0.06283	0.08416	0.0462	0.02524	2.54E-04	2.51E-03	2.95E-04	7.97E-05	3.14E-03	2.31E-04	2.71E-09	3.93E-06	2.17E-06	2.37E-04	2.94E-04	2.51E-03	2.95E-04	7.97E-05	3.18E-03
1695	494761.06	3858901.99	0.06134	0.08192	0.0451	0.02484	2.48E-04	2.44E-03	2.88E-04	7.84E-05	3.06E-03	2.26E-04	2.64E-09	3.84E-06	2.14E-06	2.31E-04	2.87E-04	2.44E-03	2.88E-04	7.84E-05	3.10E-03
1696	494811.06	3858901.99	0.0605	0.08054	0.0445	0.02455	2.45E-04	2.40E-03	2.84E-04	7.75E-05	3.01E-03	2.22E-04	2.60E-09	3.78E-06	2.11E-06	2.28E-04	2.83E-04	2.40E-03	2.84E-04	7.75E-05	3.05E-03
1697	494861.06	3858901.99	0.05989	0.07945	0.044	0.02431	2.42E-04	2.37E-03	2.81E-04	7.68E-05	2.97E-03	2.20E-04	2.56E-09	3.74E-06	2.09E-06	2.26E-04	2.80E-04	2.37E-03	2.81E-04	7.68E-05	3.01E-03
1698	494911.06	3858901.99	0.0584	0.07736	0.0429	0.02393	2.36E-04	2.31E-03	2.74E-04	7.56E-05	2.89E-03	2.15E-04	2.49E-09	3.65E-06	2.06E-06	2.20E-04	2.73E-04	2.31E-03	2.74E-04	7.56E-05	2.93E-03
1699	494961.06	3858901.99	0.05764	0.07615	0.0423	0.02368	2.33E-04	2.27E-03	2.70E-04	7.48E-05	2.85E-03	2.12E-04	2.45E-09	3.60E-06	2.04E-06	2.18E-04	2.70E-04	2.27E-03	2.70E-04	7.48E-05	2.89E-03
1700	495011.06	3858901.99	0.05689	0.07494	0.0417	0.02344	2.30E-04	2.24E-03	2.66E-04	7.40E-05	2.81E-03	2.09E-04	2.42E-09	3.55E-06	2.02E-06	2.15E-04	2.66E-04	2.24E-03	2.66E-04	7.40E-05	2.84E-03
1701	495061.06	3858901.99	0.05575	0.07334	0.0409	0.02312	2.25E-04	2.19E-03	2.61E-04	7.30E-05	2.75E-03	2.05E-04	2.36E-09	3.48E-06	1.99E-06	2.10E-04	2.61E-04	2.19E-03	2.61E-04	7.30E-05	2.78E-03
1702	495111.06	3858901.99	0.05409	0.07119	0.0398	0.02274	2.19E-04	2.12E-03	2.54E-04	7.18E-05	2.67E-03	1.99E-04	2.29E-09	3.39E-06	1.96E-06	2.04E-04	2.53E-04	2.12E-03	2.54E-04	7.18E-05	2.70E-03
1703	495161.06	3858901.99	0.05366	0.0704	0.0395	0.02254	2.17E-04	2.10E-03	2.52E-04	7.12E-05	2.64E-03	1.97E-04	2.27E-09	3.36E-06	1.94E-06	2.03E-04	2.51E-04	2.10E-03	2.52E-04	7.12E-05	2.67E-03
1704	495211.06	3858901.99	0.05409	0.07051	0.0397	0.0225	2.19E-04	2.10E-03	2.53E-04	7.10E-05	2.65E-03	1.99E-04	2.27E-09	3.37E-06	1.94E-06	2.04E-04	2.53E-04	2.10E-03	2.53E-04	7.10E-05	2.68E-03

1705	495261.06	3858901.99	0.05407	0.07015	0.0395	0.02238	2.19E-04	2.09E-03	2.52E-04	7.07E-05	2.63E-03	1.99E-04	2.26E-09	3.36E-06	1.93E-06	2.04E-04	2.53E-04	2.09E-03	2.52E-04	7.07E-05	2.67E-03
1706	495311.06	3858901.99	0.0539	0.06965	0.0394	0.02224	2.18E-04	2.08E-03	2.51E-04	7.02E-05	2.62E-03	1.98E-04	2.24E-09	3.35E-06	1.92E-06	2.03E-04	2.52E-04	2.08E-03	2.51E-04	7.02E-05	2.65E-03
1707	495361.06	3858901.99	0.05377	0.0692	0.0392	0.02211	2.17E-04	2.06E-03	2.50E-04	6.98E-05	2.60E-03	1.98E-04	2.23E-09	3.33E-06	1.90E-06	2.03E-04	2.51E-04	2.06E-03	2.50E-04	6.98E-05	2.64E-03
1708	495411.06	3858901.99	0.05388	0.069	0.0392	0.02202	2.18E-04	2.06E-03	2.50E-04	6.95E-05	2.60E-03	1.98E-04	2.22E-09	3.33E-06	1.90E-06	2.03E-04	2.52E-04	2.06E-03	2.50E-04	6.95E-05	2.63E-03
1709	495461.06	3858901.99	0.0536	0.0684	0.0389	0.02187	2.17E-04	2.04E-03	2.48E-04	6.91E-05	2.57E-03	1.97E-04	2.20E-09	3.31E-06	1.88E-06	2.02E-04	2.51E-04	2.04E-03	2.48E-04	6.91E-05	2.61E-03
1710	495511.06	3858901.99	0.0531	0.06758	0.0386	0.02167	2.15E-04	2.02E-03	2.46E-04	6.84E-05	2.55E-03	1.95E-04	2.18E-09	3.28E-06	1.87E-06	2.00E-04	2.48E-04	2.02E-03	2.46E-04	6.84E-05	2.58E-03
1711	495561.06	3858901.99	0.05271	0.06688	0.0382	0.02151	2.13E-04	2.00E-03	2.44E-04	6.79E-05	2.52E-03	1.94E-04	2.16E-09	3.25E-06	1.85E-06	1.99E-04	2.47E-04	2.00E-03	2.44E-04	6.79E-05	2.55E-03
1712	495611.06	3858901.99	0.05213	0.066	0.0378	0.02131	2.11E-04	1.97E-03	2.41E-04	6.73E-05	2.49E-03	1.92E-04	2.13E-09	3.22E-06	1.84E-06	1.97E-04	2.44E-04	1.97E-03	2.41E-04	6.73E-05	2.52E-03
1713	495661.06	3858901.99	0.05213	0.06572	0.0378	0.02121	2.11E-04	1.96E-03	2.41E-04	6.70E-05	2.48E-03	1.92E-04	2.12E-09	3.21E-06	1.83E-06	1.97E-04	2.44E-04	1.96E-03	2.41E-04	6.70E-05	2.51E-03
1714	494311.06	3858951.99	0.06703	0.09466	0.0497	0.02761	2.71E-04	2.82E-03	3.17E-04	8.72E-05	3.50E-03	2.46E-04	3.05E-09	4.23E-06	2.38E-06	2.53E-04	3.13E-04	2.82E-03	3.17E-04	8.72E-05	3.54E-03
1715	494361.06	3858951.99	0.06759	0.09515	0.0501	0.02762	2.73E-04	2.84E-03	3.20E-04	8.72E-05	3.52E-03	2.48E-04	3.07E-09	4.26E-06	2.38E-06	2.55E-04	3.16E-04	2.84E-03	3.20E-04	8.72E-05	3.56E-03
1716	494411.06	3858951.99	0.06713	0.09406	0.0497	0.02734	2.71E-04	2.81E-03	3.17E-04	8.63E-05	3.48E-03	2.47E-04	3.03E-09	4.23E-06	2.35E-06	2.53E-04	3.14E-04	2.81E-03	3.17E-04	8.63E-05	3.52E-03
1717	494461.06	3858951.99	0.06718	0.09413	0.0481	0.02688	2.72E-04	2.81E-03	3.07E-04	8.49E-05	3.47E-03	2.47E-04	3.03E-09	4.09E-06	2.31E-06	2.53E-04	3.14E-04	2.81E-03	3.07E-04	8.49E-05	3.51E-03
1718	494511.06	3858951.99	0.06685	0.09326	0.0479	0.02667	2.70E-04	2.78E-03	3.05E-04	8.42E-05	3.44E-03	2.46E-04	3.01E-09	4.07E-06	2.30E-06	2.52E-04	3.13E-04	2.78E-03	3.05E-04	8.42E-05	3.48E-03
1719	494561.06	3858951.99	0.06619	0.09188	0.0475	0.02639	2.68E-04	2.74E-03	3.03E-04	8.33E-05	3.39E-03	2.43E-04	2.96E-09	4.04E-06	2.27E-06	2.50E-04	3.10E-04	2.74E-03	3.03E-04	8.33E-05	3.44E-03
1720	494611.06	3858951.99	0.06515	0.08996	0.0469	0.02603	2.63E-04	2.68E-03	2.99E-04	8.22E-05	3.33E-03	2.40E-04	2.90E-09	3.99E-06	2.24E-06	2.46E-04	3.05E-04	2.68E-03	2.99E-04	8.22E-05	3.37E-03
1721	494661.06	3858951.99	0.06419	0.08815	0.0463	0.0257	2.59E-04	2.63E-03	2.95E-04	8.11E-05	3.27E-03	2.36E-04	2.84E-09	3.94E-06	2.21E-06	2.42E-04	3.00E-04	2.63E-03	2.95E-04	8.11E-05	3.31E-03
1722	494711.06	3858951.99	0.06274	0.08579	0.0453	0.02528	2.54E-04	2.56E-03	2.89E-04	7.98E-05	3.18E-03	2.31E-04	2.77E-09	3.86E-06	2.18E-06	2.37E-04	2.93E-04	2.56E-03	2.89E-04	7.98E-05	3.22E-03
1723	494761.06	3858951.99	0.06169	0.08403	0.0446	0.02495	2.49E-04	2.51E-03	2.85E-04	7.88E-05	3.12E-03	2.27E-04	2.71E-09	3.80E-06	2.15E-06	2.33E-04	2.88E-04	2.51E-03	2.85E-04	7.88E-05	3.16E-03
1724	494811.06	3858951.99	0.061	0.08276	0.0441	0.02469	2.47E-04	2.47E-03	2.81E-04	7.80E-05	3.08E-03	2.24E-04	2.67E-09	3.75E-06	2.13E-06	2.30E-04	2.85E-04	2.47E-03	2.81E-04	7.80E-05	3.11E-03
1725	494861.06	3858951.99	0.0603	0.08149	0.0436	0.02443	2.44E-04	2.43E-03	2.78E-04	7.71E-05	3.03E-03	2.22E-04	2.63E-09	3.71E-06	2.10E-06	2.28E-04	2.82E-04	2.43E-03	2.78E-04	7.71E-05	3.07E-03
1726	494911.06	3858951.99	0.0592	0.07976	0.0429	0.02409	2.39E-04	2.38E-03	2.73E-04	7.61E-05	2.97E-03	2.18E-04	2.57E-09	3.64E-06	2.07E-06	2.23E-04	2.77E-04	2.38E-03	2.73E-04	7.61E-05	3.01E-03
1727	494961.06	3858951.99	0.0587	0.07878	0.0425	0.02387	2.37E-04	2.35E-03	2.71E-04	7.54E-05	2.93E-03	2.16E-04	2.54E-09	3.61E-06	2.06E-06	2.21E-04	2.75E-04	2.35E-03	2.71E-04	7.54E-05	2.97E-03
1728	495011.06	3858951.99	0.05692	0.07632	0.0412	0.02344	2.30E-04	2.28E-03	2.63E-04	7.40E-05	2.84E-03	2.09E-04	2.46E-09	3.51E-06	2.02E-06	2.15E-04	2.66E-04	2.28E-03	2.63E-04	7.40E-05	2.88E-03
1729	495061.06	3858951.99	0.05523	0.07403	0.0401	0.02303	2.23E-04	2.21E-03	2.56E-04	7.27E-05	2.76E-03	2.03E-04	2.39E-09	3.41E-06	1.98E-06	2.08E-04	2.58E-04	2.21E-03	2.56E-04	7.27E-05	2.80E-03
1730	495111.06	3858951.99	0.05397	0.07229	0.0392	0.0227	2.18E-04	2.16E-03	2.50E-04	7.17E-05	2.70E-03	1.98E-04	2.33E-09	3.34E-06	1.95E-06	2.04E-04	2.52E-04	2.16E-03	2.50E-04	7.17E-05	2.73E-03
1731	495161.06	3858951.99	0.05466	0.07268	0.0396	0.02269	2.21E-04	2.17E-03	2.53E-04	7.16E-05	2.71E-03	2.01E-04	2.34E-09	3.37E-06	1.95E-06	2.06E-04	2.56E-04	2.17E-03	2.53E-04	7.16E-05	2.75E-03
1732	495211.06	3858951.99	0.05468	0.07235	0.0395	0.02258	2.21E-04	2.16E-03	2.52E-04	7.13E-05	2.70E-03	2.01E-04	2.33E-09	3.36E-06	1.94E-06	2.06E-04	2.56E-04	2.16E-03	2.52E-04	7.13E-05	2.74E-03
1733	495261.06	3858951.99	0.05468	0.072	0.0395	0.02246	2.21E-04	2.15E-03	2.52E-04	7.09E-05	2.69E-03	2.01E-04	2.32E-09	3.36E-06	1.93E-06	2.06E-04	2.56E-04	2.15E-03	2.52E-04	7.09E-05	2.73E-03
1734	495311.06	3858951.99	0.05411	0.07104	0.039	0.02225	2.19E-04	2.12E-03	2.49E-04	7.03E-05	2.66E-03	1.99E-04	2.29E-09	3.32E-06	1.92E-06	2.04E-04	2.53E-04	2.12E-03	2.49E-04	7.03E-05	2.69E-03
1735	495361.06	3858951.99	0.05418	0.07078	0.039	0.02214	2.19E-04	2.11E-03	2.49E-04	6.99E-05	2.65E-03	1.99E-04	2.28E-09	3.32E-06	1.91E-06	2.04E-04	2.53E-04	2.11E-03	2.49E-04	6.99E-05	2.68E-03
1736	495411.06	3858951.99	0.05435	0.07064	0.0391	0.02206	2.20E-04	2.11E-03	2.49E-04	6.97E-05	2.65E-03	2.00E-04	2.28E-09	3.32E-06	1.90E-06	2.05E-04	2.54E-04	2.11E-03	2.49E-04	6.97E-05	2.68E-03
1737	495461.06	3858951.99	0.05415	0.07011	0.0389	0.02191	2.19E-04	2.09E-03	2.48E-04	6.92E-05	2.63E-03	1.99E-04	2.26E-09	3.31E-06	1.89E-06	2.04E-04	2.53E-04	2.09E-03	2.48E-04	6.92E-05	2.66E-03
1738	495511.06	3858951.99	0.05417	0.06982	0.0388	0.02182	2.19E-04	2.08E-03	2.48E-04	6.89E-05	2.62E-03	1.99E-04	2.25E-09	3.30E-06	1.88E-06	2.04E-04	2.53E-04	2.08E-03	2.48E-04	6.89E-05	2.65E-03
1739	495561.06	3858951.99	0.05328	0.06855	0.0382	0.02155	2.15E-04	2.05E-03	2.44E-04	6.80E-05	2.57E-03	1.96E-04	2.21E-09	3.25E-06	1.86E-06	2.01E-04	2.49E-04	2.05E-03	2.44E-04	6.80E-05	2.61E-03
1740	495611.06	3858951.99	0.05279	0.06772	0.0378	0.02137	2.13E-04	2.02E-03	2.41E-04	6.75E-05	2.54E-03	1.94E-04	2.18E-09	3.22E-06	1.84E-06	1.99E-04	2.47E-04	2.02E-03	2.41E-04	6.75E-05	2.58E-03
1741	495661.06	3858951.99	0.05282	0.06747	0.0378	0.02127	2.14E-04	2.01E-03	2.41E-04	6.72E-05	2.53E-03	1.94E-04	2.17E-09	3.21E-06	1.83E-06	1.99E-04	2.47E-04	2.01E-03	2.41E-04	6.72E-05	2.57E-03
1742	494311.06	3859001.99	0.0681	0.09858	0.0489	0.02806	2.75E-04	2.94E-03	3.12E-04	8.86E-05	3.62E-03	2.50E-04	3.18E-09	4.16E-06	2.42E-06	2.57E-04	3.18E-04	2.94E-03	3.12E-04	8.86E-05	3.66E-03
1743	494361.06	3859001.99	0.06801	0.09809	0.0485	0.02781	2.75E-04	2.93E-03	3.09E-04	8.78E-05	3.60E-03	2.50E-04	3.16E-09	4.12E-06	2.39E-06	2.57E-04	3.18E-04	2.93E-03	3.09E-04	8.78E-05	3.64E-03
1744	494411.06	3859001.99	0.06774	0.09767	0.047	0.02726	2.74E-04	2.91E-03	3.00E-04	8.61E-05	3.57E-03	2.49E-04	3.15E-09	4.00E-06	2.35E-06	2.55E-04	3.17E-04	2.91E-03	3.00E-04	8.61E-05	3.62E-03
1745	494461.06	3859001.99	0.06745	0.09681	0.0469	0.02705	2.73E-04	2.89E-03	2.99E-04	8.54E-05	3.55E-03	2.48E-04	3.12E-09	3.99E-06	2.33E-06	2.54E-04	3.15E-04	2.89E-03	2.99E-04	8.54E-05	3.59E-03
1746	494511.06	3859001.99	0.06714	0.09594	0.0467	0.02683	2.71E-04	2.86E-03	2.98E-04	8.47E-05	3.52E-03	2.47E-04	3.09E-09	3.97E-06	2.31E-06	2.53E-04	3.14E-04	2.86E-03	2.98E-04	8.47E-05	3.56E-03
1747	494561.06	3859001.99	0.06618	0.09399	0.0463	0.02648	2.68E-04	2.80E-03	2.95E-04	8.36E-05	3.45E-03	2.43E-04	3.03E-09	3.93E-06	2.28E-06	2.50E-04	3.09E-04	2.80E-03	2.95E-04	8.36E-05	3.49E-03
1748	494611.06	3859001.99	0.06529	0.0922	0.0458	0.02615	2.64E-04	2.75E-03	2.92E-04	8.26E-05	3.39E-03	2.40E-04	2.97E-09	3.90E-06	2.25E-06	2.46E-04	3.05E-04	2.75E-03	2.92E-04	8.26E-05	3.43E-03
1749	494661.06	3859001.99	0.06416	0.09009	0.0452	0.02577	2.59E-04	2.69E-03	2.88E-04	8.14E-05	3.32E-03	2.36E-04	2.90E-09	3.84E-06	2.22E-06	2.42E-04	3.00E-04	2.69E-03	2.88E-04	8.14E-05	3.36E-03
1750	494711.06	3859001.99	0.06279	0.08763	0.0444	0.02534	2.54E-04	2.61E-03	2.83E-04	8.00E-05	3.23E-03	2.31E-04	2.82E-09	3.78E-06	2.18E-06	2.37E-04	2.94E-04	2.61E-03	2.83E-04	8.00E-05	3.27E-03
1751	494761.06	3859001.99	0.06199	0.08612	0.0439	0.02504	2.51E-04	2.57E-03	2.80E-04	7.91E-05	3.18E-03	2.28E-04	2.78E-09	3.74E-06	2.16E-06	2.34E-04	2.90E-04	2.57E-03	2.80E-04	7.91E-05	3.22E-03
1752	494811.06	3859001.99	0.06154	0.08513	0.0436	0.02482	2.49E-04	2.54E-03	2.78E-04	7.84E-05	3.15E-03	2.26E-04	2.74E-09	3.71E-06	2.14E-06	2.32E-04	2.88E-04	2.54E-03	2.78E-04	7.84E-05	3.18E-03
1753	494861.06	3859001.99	0.06064	0.08353	0.0431	0.02451	2.45E-04	2.49E-03	2.75E-04	7.74E-05	3.09E-03	2.23E-04	2.69E-09	3.66E-06	2.11E-06	2.29E-04	2.84E-04	2.49E-03	2.75E-04	7.74E-05	3.13E-03
1754	494911.06	3859001.99	0.05967	0.08187	0.0424	0.0242	2.41E-04	2.44E-03	2.71E-04	7.64E-05	3.03E-03	2.19E-04	2.64E-09	3.61E-06	2.08E-06	2.25E-04	2.79E-04	2.44E-03	2.71E-04	7.64E-05	3.07E-03
1755	494961.06	3859001.99	0.05867	0.0802	0.0418	0.02389	2.37E-04	2.39E-03	2.66E-04	7.54E-05	2.97E-03	2.16E-04	2.58E-09	3.55E-06	2.06E-06	2.21E-04	2.74E-04	2.39E-03	2.66E-04	7.54E-05	3.01E-03
1756	495011.06	3859001.99	0.05578	0.07633	0.0399	0.02323	2.25E-04	2.28E-03	2.54E-04	7.33E-05	2.83E-03	2.05E-04	2.46E-09	3.39E-06	2.00E-06	2.10E-04	2.61E-04	2.28E-03	2.54E-04	7.33E-05	2.87E-03
1757	495061.06	3859001.99	0.0553	0.07539	0.0395	0.02302	2.24E-04	2.25E-03	2.52E-04	7.27E-05	2.80E-03	2.03E-04	2.43E-09	3.36E-06	1.98E-06	2.09E-04	2.59E-04	2.25E-03	2.52E-04	7.27E-05	2.83E-03
1758	495111.06	3859001.99	0.05413	0.07367	0.0387	0.0227	2.19E-04	2.20E-03	2.47E-04	7.17E-05	2.74E-03	1.99E-04	2.37E-09	3.29E-06	1.95E-06	2.04E-04	2.53E-04	2.20E-03	2.47E-04	7.17E-05	2.77E-03
1759	495161.06	3859001.99	0.0552	0.07454	0.0394	0.02275	2.23E-04	2.22E-03	2.51E-04	7.18E-05	2.77E-03	2.03E-04	2.40E-09	3.35E-06	1.96E-06	2.08E-04	2.58E-04	2.22E-03	2.51E-04	7.18E-05	2.80E-03
1760	495211.06	3859001.99	0.05503	0.07398	0.0392	0.0226	2.22E-04	2.21E-03	2.50E-04	7.14E-05	2.75E-03	2.02E-04	2.38E-09	3.33E-06	1.95E-06	2.08E-04	2.57E-04	2.21E-03	2.50E-04	7.14E-05	2.79E-03
1761	495261.06	3859001.99	0.0551	0.0737	0.0392	0.0225	2.23E-04	2.20E-03	2.50E-04	7.10E-05	2.74E-03	2.03E-04	2.38E-09	3.33E-06	1.94E-06	2.08E-04	2.58E-04	2.20E-03	2.50E-04	7.10E-05	2.78E-03
1762	495311.06	3859001.99	0.05486	0.07308	0.039	0.02233	2.22E-04	2.18E-03	2.49E-04	7.05E-05	2.72E-03	2.02E-04	2.36E-09	3.32E-06	1.92E-06	2.07E-04	2.57E-04	2.18E-03	2.49E-04	7.05E-05	2.76E-03
1763	495361.06	3859001.99	0.0549	0.07278	0.039	0.02223	2.22E-04	2.17E-03	2.49E-04	7.02E-05	2.71E-03	2.02E-04	2.35E-09	3.32E-06	1.91E-06	2.07E-04	2.57E-04	2.17E-03	2.49E-04	7.02E-05	2.75E-03
1764	495411.06	3859001.99	0.05479	0.07232	0.0389	0.0221	2.21E-04	2.16E-03	2.48E-04	6.98E-05	2.70E-03	2.01E-04	2.33E-09	3.31E-06	1.90E-06	2.07E-04	2.56E-04	2.16E-03	2.48E-04	6.98E-05	2.73E-03
1765	495461.06	3859001.99	0.05475	0.07195	0.0388	0.02198	2.21E-04	2.15E-03	2.47E-04	6.94E-05	2.68E-03	2.01E-04	2.32E-09	3.30E-06	1.89E-06	2.06E-04	2.56E-04	2.15E-03	2.47E-04	6.94E-05	2.72E-03

1766	495511.06	3859001.99	0.0541	0.07088	0.0383	0.02176	2.19E-04	2.11E-03	2.44E-04	6.87E-05	2.65E-03	1.99E-04	2.28E-09	3.26E-06	1.87E-06	2.04E-04	2.53E-04	2.11E-03	2.44E-04	6.87E-05	2.68E-03
1767	495561.06	3859001.99	0.05376	0.07017	0.0381	0.02159	2.17E-04	2.09E-03	2.43E-04	6.82E-05	2.62E-03	1.98E-04	2.26E-09	3.24E-06	1.86E-06	2.03E-04	2.51E-04	2.09E-03	2.43E-04	6.82E-05	2.66E-03
1768	495611.06	3859001.99	0.05337	0.06942	0.0378	0.02142	2.16E-04	2.07E-03	2.41E-04	6.76E-05	2.60E-03	1.96E-04	2.24E-09	3.21E-06	1.84E-06	2.01E-04	2.50E-04	2.07E-03	2.41E-04	6.76E-05	2.63E-03
1769	495661.06	3859001.99	0.05374	0.06954	0.038	0.02137	2.17E-04	2.07E-03	2.42E-04	6.75E-05	2.60E-03	1.98E-04	2.24E-09	3.23E-06	1.84E-06	2.03E-04	2.51E-04	2.07E-03	2.42E-04	6.75E-05	2.64E-03
1770	494311.06	3859051.99	0.06865	0.102	0.0472	0.02826	2.77E-04	3.04E-03	3.01E-04	8.92E-05	3.71E-03	2.52E-04	3.29E-09	4.02E-06	2.43E-06	2.59E-04	3.21E-04	3.04E-03	3.01E-04	8.92E-05	3.75E-03
1771	494361.06	3859051.99	0.06851	0.10183	0.0459	0.02766	2.77E-04	3.04E-03	2.92E-04	8.73E-05	3.69E-03	2.52E-04	3.28E-09	3.90E-06	2.38E-06	2.58E-04	3.20E-04	3.04E-03	2.92E-04	8.73E-05	3.74E-03
1772	494411.06	3859051.99	0.06805	0.10063	0.0457	0.02741	2.75E-04	3.00E-03	2.91E-04	8.65E-05	3.66E-03	2.50E-04	3.24E-09	3.88E-06	2.36E-06	2.56E-04	3.18E-04	3.00E-03	2.91E-04	8.65E-05	3.70E-03
1773	494461.06	3859051.99	0.06749	0.09924	0.0455	0.02714	2.73E-04	2.96E-03	2.90E-04	8.57E-05	3.61E-03	2.48E-04	3.20E-09	3.87E-06	2.34E-06	2.54E-04	3.16E-04	2.96E-03	2.90E-04	8.57E-05	3.65E-03
1774	494511.06	3859051.99	0.06675	0.09753	0.0452	0.02682	2.70E-04	2.91E-03	2.88E-04	8.47E-05	3.55E-03	2.45E-04	3.14E-09	3.84E-06	2.31E-06	2.52E-04	3.12E-04	2.91E-03	2.88E-04	8.47E-05	3.59E-03
1775	494561.06	3859051.99	0.06612	0.09606	0.0449	0.02654	2.67E-04	2.87E-03	2.86E-04	8.38E-05	3.50E-03	2.43E-04	3.10E-09	3.82E-06	2.29E-06	2.49E-04	3.09E-04	2.87E-03	2.86E-04	8.38E-05	3.55E-03
1776	494611.06	3859051.99	0.06522	0.09416	0.0445	0.02619	2.64E-04	2.81E-03	2.84E-04	8.27E-05	3.44E-03	2.40E-04	3.03E-09	3.79E-06	2.26E-06	2.46E-04	3.05E-04	2.81E-03	2.84E-04	8.27E-05	3.48E-03
1777	494661.06	3859051.99	0.06424	0.09215	0.0441	0.02583	2.60E-04	2.75E-03	2.81E-04	8.16E-05	3.37E-03	2.36E-04	2.97E-09	3.75E-06	2.22E-06	2.42E-04	3.00E-04	2.75E-03	2.81E-04	8.16E-05	3.41E-03
1778	494711.06	3859051.99	0.06331	0.0903	0.0436	0.02549	2.56E-04	2.69E-03	2.78E-04	8.05E-05	3.31E-03	2.33E-04	2.91E-09	3.71E-06	2.19E-06	2.39E-04	2.96E-04	2.69E-03	2.78E-04	8.05E-05	3.35E-03
1779	494761.06	3859051.99	0.06232	0.08841	0.0431	0.02514	2.52E-04	2.64E-03	2.75E-04	7.94E-05	3.24E-03	2.29E-04	2.85E-09	3.66E-06	2.16E-06	2.35E-04	2.91E-04	2.64E-03	2.75E-04	7.94E-05	3.28E-03
1780	494811.06	3859051.99	0.06164	0.08702	0.0427	0.02486	2.49E-04	2.60E-03	2.72E-04	7.85E-05	3.20E-03	2.27E-04	2.80E-09	3.63E-06	2.14E-06	2.32E-04	2.88E-04	2.60E-03	2.72E-04	7.85E-05	3.24E-03
1781	494861.06	3859051.99	0.06094	0.08557	0.0423	0.02459	2.46E-04	2.55E-03	2.70E-04	7.76E-05	3.15E-03	2.24E-04	2.76E-09	3.60E-06	2.12E-06	2.30E-04	2.85E-04	2.55E-03	2.70E-04	7.76E-05	3.19E-03
1782	494911.06	3859051.99	0.05978	0.08357	0.0416	0.02422	2.42E-04	2.49E-03	2.65E-04	7.65E-05	3.08E-03	2.20E-04	2.69E-09	3.54E-06	2.09E-06	2.25E-04	2.80E-04	2.49E-03	2.65E-04	7.65E-05	3.11E-03
1783	494961.06	3859051.99	0.05798	0.08077	0.0405	0.02375	2.34E-04	2.41E-03	2.58E-04	7.50E-05	2.98E-03	2.13E-04	2.60E-09	3.45E-06	2.05E-06	2.19E-04	2.71E-04	2.41E-03	2.58E-04	7.50E-05	3.01E-03
1784	495011.06	3859051.99	0.05664	0.07867	0.0397	0.02336	2.29E-04	2.35E-03	2.53E-04	7.38E-05	2.90E-03	2.08E-04	2.54E-09	3.37E-06	2.01E-06	2.14E-04	2.65E-04	2.35E-03	2.53E-04	7.38E-05	2.94E-03
1785	495061.06	3859051.99	0.05578	0.07723	0.0391	0.02307	2.25E-04	2.30E-03	2.50E-04	7.28E-05	2.85E-03	2.05E-04	2.49E-09	3.33E-06	1.99E-06	2.10E-04	2.61E-04	2.30E-03	2.50E-04	7.28E-05	2.89E-03
1786	495111.06	3859051.99	0.05536	0.07635	0.0388	0.02288	2.24E-04	2.28E-03	2.48E-04	7.22E-05	2.82E-03	2.04E-04	2.46E-09	3.30E-06	1.97E-06	2.09E-04	2.59E-04	2.28E-03	2.48E-04	7.22E-05	2.86E-03
1787	495161.06	3859051.99	0.0559	0.07663	0.0391	0.02285	2.26E-04	2.29E-03	2.50E-04	7.21E-05	2.83E-03	2.06E-04	2.47E-09	3.33E-06	1.97E-06	2.11E-04	2.61E-04	2.29E-03	2.50E-04	7.21E-05	2.87E-03
1788	495211.06	3859051.99	0.05538	0.07563	0.0388	0.02263	2.24E-04	2.26E-03	2.47E-04	7.15E-05	2.80E-03	2.04E-04	2.44E-09	3.30E-06	1.95E-06	2.09E-04	2.59E-04	2.26E-03	2.47E-04	7.15E-05	2.83E-03
1789	495261.06	3859051.99	0.05566	0.07561	0.0389	0.02256	2.25E-04	2.26E-03	2.48E-04	7.12E-05	2.80E-03	2.05E-04	2.44E-09	3.31E-06	1.94E-06	2.10E-04	2.60E-04	2.26E-03	2.48E-04	7.12E-05	2.84E-03
1790	495311.06	3859051.99	0.05535	0.07487	0.0387	0.02238	2.24E-04	2.23E-03	2.47E-04	7.07E-05	2.77E-03	2.03E-04	2.41E-09	3.29E-06	1.93E-06	2.09E-04	2.59E-04	2.23E-03	2.47E-04	7.07E-05	2.81E-03
1791	495361.06	3859051.99	0.05527	0.07443	0.0387	0.02225	2.23E-04	2.22E-03	2.47E-04	7.03E-05	2.76E-03	2.03E-04	2.40E-09	3.29E-06	1.92E-06	2.08E-04	2.58E-04	2.22E-03	2.47E-04	7.03E-05	2.80E-03
1792	495411.06	3859051.99	0.05536	0.0742	0.0387	0.02215	2.24E-04	2.21E-03	2.47E-04	6.99E-05	2.75E-03	2.04E-04	2.39E-09	3.29E-06	1.91E-06	2.09E-04	2.59E-04	2.21E-03	2.47E-04	6.99E-05	2.79E-03
1793	495461.06	3859051.99	0.05542	0.07394	0.0387	0.02205	2.24E-04	2.21E-03	2.47E-04	6.96E-05	2.75E-03	2.04E-04	2.38E-09	3.29E-06	1.90E-06	2.09E-04	2.59E-04	2.21E-03	2.47E-04	6.96E-05	2.78E-03
1794	495511.06	3859051.99	0.05475	0.0728	0.0382	0.02182	2.21E-04	2.17E-03	2.44E-04	6.89E-05	2.71E-03	2.01E-04	2.35E-09	3.25E-06	1.88E-06	2.06E-04	2.56E-04	2.17E-03	2.44E-04	6.89E-05	2.74E-03
1795	495561.06	3859051.99	0.05427	0.0719	0.0379	0.02163	2.19E-04	2.15E-03	2.42E-04	6.83E-05	2.67E-03	2.00E-04	2.32E-09	3.22E-06	1.86E-06	2.05E-04	2.54E-04	2.15E-03	2.42E-04	6.83E-05	2.71E-03
1796	495611.06	3859051.99	0.05386	0.07109	0.0376	0.02144	2.18E-04	2.12E-03	2.40E-04	6.77E-05	2.65E-03	1.98E-04	2.29E-09	3.20E-06	1.85E-06	2.03E-04	2.52E-04	2.12E-03	2.40E-04	6.77E-05	2.68E-03
1797	495661.06	3859051.99	0.05416	0.07114	0.0378	0.02139	2.19E-04	2.12E-03	2.41E-04	6.75E-05	2.65E-03	1.99E-04	2.29E-09	3.21E-06	1.84E-06	2.04E-04	2.53E-04	2.12E-03	2.41E-04	6.75E-05	2.68E-03
1798	494311.06	3859101.99	0.06898	0.10575	0.0445	0.02797	2.79E-04	3.15E-03	2.84E-04	8.83E-05	3.81E-03	2.54E-04	3.41E-09	3.79E-06	2.41E-06	2.60E-04	3.23E-04	3.15E-03	2.84E-04	8.83E-05	3.85E-03
1799	494361.06	3859101.99	0.06858	0.10461	0.0444	0.02773	2.77E-04	3.12E-03	2.83E-04	8.76E-05	3.77E-03	2.52E-04	3.37E-09	3.77E-06	2.39E-06	2.58E-04	3.21E-04	3.12E-03	2.83E-04	8.76E-05	3.81E-03
1800	494411.06	3859101.99	0.06827	0.10368	0.0442	0.02751	2.76E-04	3.09E-03	2.82E-04	8.69E-05	3.74E-03	2.51E-04	3.34E-09	3.76E-06	2.37E-06	2.57E-04	3.19E-04	3.09E-03	2.82E-04	8.69E-05	3.78E-03
1801	494461.06	3859101.99	0.0677	0.10216	0.0441	0.02723	2.74E-04	3.05E-03	2.81E-04	8.60E-05	3.69E-03	2.49E-04	3.29E-09	3.75E-06	2.34E-06	2.55E-04	3.17E-04	3.05E-03	2.81E-04	8.60E-05	3.73E-03
1802	494511.06	3859101.99	0.06684	0.10005	0.0438	0.02689	2.70E-04	2.98E-03	2.79E-04	8.49E-05	3.62E-03	2.46E-04	3.22E-09	3.73E-06	2.32E-06	2.52E-04	3.13E-04	2.98E-03	2.79E-04	8.49E-05	3.66E-03
1803	494561.06	3859101.99	0.06616	0.09839	0.0436	0.02659	2.67E-04	2.94E-03	2.78E-04	8.40E-05	3.56E-03	2.43E-04	3.17E-09	3.70E-06	2.29E-06	2.49E-04	3.09E-04	2.94E-03	2.78E-04	8.40E-05	3.61E-03
1804	494611.06	3859101.99	0.06506	0.09596	0.0432	0.02619	2.63E-04	2.86E-03	2.75E-04	8.27E-05	3.48E-03	2.39E-04	3.09E-09	3.67E-06	2.26E-06	2.45E-04	3.04E-04	2.86E-03	2.75E-04	8.27E-05	3.53E-03
1805	494661.06	3859101.99	0.06437	0.09439	0.0429	0.0259	2.60E-04	2.82E-03	2.74E-04	8.18E-05	3.43E-03	2.37E-04	3.04E-09	3.65E-06	2.23E-06	2.43E-04	3.01E-04	2.82E-03	2.74E-04	8.18E-05	3.47E-03
1806	494711.06	3859101.99	0.06307	0.09179	0.0423	0.02546	2.55E-04	2.74E-03	2.70E-04	8.04E-05	3.34E-03	2.32E-04	2.96E-09	3.60E-06	2.19E-06	2.38E-04	2.95E-04	2.74E-03	2.70E-04	8.04E-05	3.38E-03
1807	494761.06	3859101.99	0.06278	0.09095	0.0422	0.02526	2.54E-04	2.71E-03	2.69E-04	7.98E-05	3.32E-03	2.31E-04	2.93E-09	3.59E-06	2.18E-06	2.37E-04	2.94E-04	2.71E-03	2.69E-04	7.98E-05	3.36E-03
1808	494811.06	3859101.99	0.06193	0.08921	0.0418	0.02494	2.50E-04	2.66E-03	2.66E-04	7.87E-05	3.26E-03	2.28E-04	2.88E-09	3.55E-06	2.15E-06	2.33E-04	2.90E-04	2.66E-03	2.66E-04	7.87E-05	3.30E-03
1809	494861.06	3859101.99	0.06118	0.08767	0.0414	0.02464	2.47E-04	2.62E-03	2.64E-04	7.78E-05	3.20E-03	2.25E-04	2.83E-09	3.52E-06	2.12E-06	2.31E-04	2.86E-04	2.62E-03	2.64E-04	7.78E-05	3.24E-03
1810	494911.06	3859101.99	0.06002	0.08547	0.0408	0.02426	2.43E-04	2.55E-03	2.60E-04	7.66E-05	3.13E-03	2.21E-04	2.75E-09	3.47E-06	2.09E-06	2.26E-04	2.81E-04	2.55E-03	2.60E-04	7.66E-05	3.17E-03
1811	494961.06	3859101.99	0.05816	0.08244	0.0398	0.02375	2.35E-04	2.46E-03	2.54E-04	7.50E-05	3.02E-03	2.14E-04	2.66E-09	3.38E-06	2.05E-06	2.19E-04	2.72E-04	2.46E-03	2.54E-04	7.50E-05	3.06E-03
1812	495011.06	3859101.99	0.05615	0.07937	0.0386	0.02325	2.27E-04	2.37E-03	2.46E-04	7.34E-05	2.91E-03	2.06E-04	2.56E-09	3.28E-06	2.00E-06	2.12E-04	2.63E-04	2.37E-03	2.46E-04	7.34E-05	2.95E-03
1813	495061.06	3859101.99	0.05627	0.07915	0.0386	0.02314	2.27E-04	2.36E-03	2.46E-04	7.31E-05	2.91E-03	2.07E-04	2.55E-09	3.29E-06	1.99E-06	2.12E-04	2.63E-04	2.36E-03	2.46E-04	7.31E-05	2.94E-03
1814	495111.06	3859101.99	0.05578	0.07814	0.0383	0.02292	2.25E-04	2.33E-03	2.45E-04	7.24E-05	2.87E-03	2.05E-04	2.52E-09	3.26E-06	1.97E-06	2.10E-04	2.61E-04	2.33E-03	2.45E-04	7.24E-05	2.91E-03
1815	495161.06	3859101.99	0.05628	0.07842	0.0386	0.02289	2.27E-04	2.34E-03	2.46E-04	7.23E-05	2.89E-03	2.07E-04	2.53E-09	3.28E-06	1.97E-06	2.12E-04	2.63E-04	2.34E-03	2.46E-04	7.23E-05	2.92E-03
1816	495211.06	3859101.99	0.05585	0.07749	0.0384	0.02268	2.26E-04	2.31E-03	2.45E-04	7.16E-05	2.85E-03	2.05E-04	2.50E-09	3.26E-06	1.95E-06	2.11E-04	2.61E-04	2.31E-03	2.45E-04	7.16E-05	2.89E-03
1817	495261.06	3859101.99	0.05595	0.07728	0.0384	0.02258	2.26E-04	2.31E-03	2.45E-04	7.13E-05	2.85E-03	2.06E-04	2.49E-09	3.27E-06	1.94E-06	2.11E-04	2.62E-04	2.31E-03	2.45E-04	7.13E-05	2.88E-03
1818	495311.06	3859101.99	0.05596	0.07668	0.0386	0.02251	2.26E-04	2.29E-03	2.46E-04	7.11E-05	2.83E-03	2.06E-04	2.47E-09	3.28E-06	1.94E-06	2.11E-04	2.62E-04	2.29E-03	2.46E-04	7.11E-05	2.87E-03
1819	495361.06	3859101.99	0.05599	0.07663	0.0384	0.02235	2.26E-04	2.29E-03	2.45E-04	7.06E-05	2.83E-03	2.06E-04	2.47E-09	3.27E-06	1.92E-06	2.11E-04	2.62E-04	2.29E-03	2.45E-04	7.06E-05	2.86E-03
1820	495411.06	3859101.99	0.05595	0.07624	0.0384	0.02222	2.26E-04	2.27E-03	2.45E-04	7.02E-05	2.82E-03	2.06E-04	2.46E-09	3.26E-06	1.91E-06	2.11E-04	2.62E-04	2.27E-03	2.45E-04	7.02E-05	2.85E-03
1821	495461.06	3859101.99	0.05578	0.07542	0.0385	0.02214	2.25E-04	2.25E-03	2.46E-04	6.99E-05	2.79E-03	2.05E-04	2.43E-09	3.28E-06	1.91E-06	2.10E-04	2.61E-04	2.25E-03	2.46E-04	6.99E-05	2.83E-03
1822	495511.06	3859101.99	0.0556	0.07485	0.0384	0.02199	2.25E-04	2.23E-03	2.45E-04	6.94E-05	2.77E-03	2.04E-04	2.41E-09	3.27E-06	1.89E-06	2.10E-04	2.60E-04	2.23E-03	2.45E-04	6.94E-05	2.81E-03
1823	495561.06	3859101.99	0.05496	0.07395	0.0377	0.02171	2.22E-04	2.21E-03	2.41E-04	6.85E-05	2.74E-03	2.02E-04	2.38E-09	3.21E-06	1.87E-06	2.07E-04	2.57E-04	2.21E-03	2.41E-04	6.85E-05	2.77E-03
1824	495611.06	3859101.99	0.05446	0.07299	0.0374	0.0215	2.20E-04	2.18E-03	2.39E-04	6.79E-05	2.70E-03	2.00E-04	2.35E-09	3.18E-06	1.85E-06	2.05E-04	2.55E-04	2.18E-03	2.39E-04	6.79E-05	2.74E-03
1825	495661.06	3859101.99	0.05451	0.07273	0.0374	0.0214	2.20E-04	2.17E-03	2.39E-04	6.76E-05	2.70E-03	2.00E-04	2.34E-09	3.18E-06	1.84E-06	2.05E-04	2.55E-04	2.17E-03	2.39E-04	6.76E-05	2.73E-03
1826	494311.06	3859151.99	0.06903	0.10885	0.0431	0.02799	2.79E-04	3.25E-03	2.75E-04	8.84E-05	3.89E-03	2.54E-04	3.51E-09	3.66E-06	2.41E-06	2.60E-04	3.23E-04	3.25E-03	2.75E-04	8.84E-05	3.93E-03

1827	494361.06	3859151.99	0.06878	0.10802	0.0429	0.02778	2.78E-04	3.22E-03	2.74E-04	8.77E-05	3.86E-03	2.53E-04	3.48E-09	3.65E-06	2.39E-06	2.59E-04	3.22E-04	3.22E-03	2.74E-04	8.77E-05	3.91E-03
1828	494411.06	3859151.99	0.06815	0.10619	0.0428	0.02748	2.75E-04	3.17E-03	2.73E-04	8.68E-05	3.80E-03	2.51E-04	3.42E-09	3.64E-06	2.37E-06	2.57E-04	3.19E-04	3.17E-03	2.73E-04	8.68E-05	3.85E-03
1829	494461.06	3859151.99	0.06749	0.10434	0.0426	0.02719	2.73E-04	3.11E-03	2.72E-04	8.58E-05	3.74E-03	2.48E-04	3.36E-09	3.62E-06	2.34E-06	2.54E-04	3.16E-04	3.11E-03	2.72E-04	8.58E-05	3.79E-03
1830	494511.06	3859151.99	0.06661	0.10204	0.0424	0.02684	2.69E-04	3.04E-03	2.70E-04	8.47E-05	3.67E-03	2.45E-04	3.29E-09	3.61E-06	2.31E-06	2.51E-04	3.12E-04	3.04E-03	2.70E-04	8.47E-05	3.71E-03
1831	494561.06	3859151.99	0.06608	0.1006	0.0422	0.02657	2.67E-04	3.00E-03	2.69E-04	8.39E-05	3.62E-03	2.43E-04	3.24E-09	3.59E-06	2.29E-06	2.49E-04	3.09E-04	3.00E-03	2.69E-04	8.39E-05	3.66E-03
1832	494611.06	3859151.99	0.06516	0.09835	0.042	0.02622	2.63E-04	2.93E-03	2.68E-04	8.28E-05	3.55E-03	2.40E-04	3.17E-09	3.57E-06	2.26E-06	2.45E-04	3.05E-04	2.93E-03	2.68E-04	8.28E-05	3.59E-03
1833	494661.06	3859151.99	0.06456	0.09686	0.0417	0.02594	2.61E-04	2.89E-03	2.66E-04	8.19E-05	3.50E-03	2.37E-04	3.12E-09	3.55E-06	2.23E-06	2.43E-04	3.02E-04	2.89E-03	2.66E-04	8.19E-05	3.54E-03
1834	494711.06	3859151.99	0.06406	0.09557	0.0415	0.02569	2.59E-04	2.85E-03	2.65E-04	8.11E-05	3.46E-03	2.36E-04	3.08E-09	3.53E-06	2.21E-06	2.41E-04	3.00E-04	2.85E-03	2.65E-04	8.11E-05	3.50E-03
1835	494761.06	3859151.99	0.06292	0.0931	0.0411	0.02529	2.54E-04	2.78E-03	2.62E-04	7.98E-05	3.37E-03	2.31E-04	3.00E-09	3.50E-06	2.18E-06	2.37E-04	2.94E-04	2.78E-03	2.62E-04	7.98E-05	3.41E-03
1836	494811.06	3859151.99	0.06196	0.09104	0.0407	0.02494	2.50E-04	2.72E-03	2.60E-04	7.87E-05	3.30E-03	2.28E-04	2.93E-09	3.46E-06	2.15E-06	2.33E-04	2.90E-04	2.72E-03	2.60E-04	7.87E-05	3.34E-03
1837	494861.06	3859151.99	0.06135	0.08967	0.0404	0.02467	2.48E-04	2.68E-03	2.58E-04	7.79E-05	3.26E-03	2.26E-04	2.89E-09	3.44E-06	2.12E-06	2.31E-04	2.87E-04	2.68E-03	2.58E-04	7.79E-05	3.30E-03
1838	494911.06	3859151.99	0.0601	0.08725	0.0399	0.02426	2.43E-04	2.60E-03	2.54E-04	7.66E-05	3.18E-03	2.21E-04	2.81E-09	3.39E-06	2.09E-06	2.26E-04	2.81E-04	2.60E-03	2.54E-04	7.66E-05	3.21E-03
1839	494961.06	3859151.99	0.05847	0.08401	0.0392	0.02383	2.36E-04	2.51E-03	2.50E-04	7.52E-05	3.07E-03	2.15E-04	2.71E-09	3.33E-06	2.05E-06	2.20E-04	2.73E-04	2.51E-03	2.50E-04	7.52E-05	3.10E-03
1840	495011.06	3859151.99	0.05661	0.08128	0.038	0.02327	2.29E-04	2.42E-03	2.42E-04	7.35E-05	2.97E-03	2.08E-04	2.62E-09	3.23E-06	2.00E-06	2.13E-04	2.65E-04	2.42E-03	2.42E-04	7.35E-05	3.01E-03
1841	495061.06	3859151.99	0.05652	0.0808	0.038	0.02313	2.28E-04	2.41E-03	2.42E-04	7.30E-05	2.95E-03	2.08E-04	2.60E-09	3.23E-06	1.99E-06	2.13E-04	2.64E-04	2.41E-03	2.42E-04	7.30E-05	2.99E-03
1842	495111.06	3859151.99	0.05627	0.08009	0.0378	0.02296	2.27E-04	2.39E-03	2.41E-04	7.25E-05	2.93E-03	2.07E-04	2.58E-09	3.22E-06	1.98E-06	2.12E-04	2.63E-04	2.39E-03	2.41E-04	7.25E-05	2.97E-03
1843	495161.06	3859151.99	0.05672	0.08037	0.0381	0.02292	2.29E-04	2.40E-03	2.43E-04	7.24E-05	2.94E-03	2.09E-04	2.59E-09	3.24E-06	1.97E-06	2.14E-04	2.65E-04	2.40E-03	2.43E-04	7.24E-05	2.98E-03
1844	495211.06	3859151.99	0.05654	0.07975	0.038	0.02276	2.29E-04	2.38E-03	2.42E-04	7.19E-05	2.92E-03	2.08E-04	2.57E-09	3.23E-06	1.96E-06	2.13E-04	2.64E-04	2.38E-03	2.42E-04	7.19E-05	2.96E-03
1845	495261.06	3859151.99	0.05637	0.07917	0.0379	0.02261	2.28E-04	2.36E-03	2.42E-04	7.14E-05	2.90E-03	2.07E-04	2.55E-09	3.22E-06	1.95E-06	2.12E-04	2.64E-04	2.36E-03	2.42E-04	7.14E-05	2.94E-03
1846	495311.06	3859151.99	0.05628	0.07871	0.0378	0.02247	2.27E-04	2.35E-03	2.41E-04	7.09E-05	2.89E-03	2.07E-04	2.54E-09	3.22E-06	1.93E-06	2.12E-04	2.63E-04	2.35E-03	2.41E-04	7.09E-05	2.92E-03
1847	495361.06	3859151.99	0.05614	0.07817	0.0377	0.02233	2.27E-04	2.33E-03	2.41E-04	7.05E-05	2.87E-03	2.06E-04	2.52E-09	3.21E-06	1.92E-06	2.12E-04	2.63E-04	2.33E-03	2.41E-04	7.05E-05	2.91E-03
1848	495411.06	3859151.99	0.05651	0.07835	0.0379	0.02228	2.28E-04	2.34E-03	2.42E-04	7.03E-05	2.88E-03	2.08E-04	2.53E-09	3.23E-06	1.92E-06	2.13E-04	2.64E-04	2.34E-03	2.42E-04	7.03E-05	2.91E-03
1849	495461.06	3859151.99	0.0564	0.07787	0.0379	0.02215	2.28E-04	2.32E-03	2.42E-04	6.99E-05	2.86E-03	2.07E-04	2.51E-09	3.22E-06	1.91E-06	2.12E-04	2.64E-04	2.32E-03	2.42E-04	6.99E-05	2.90E-03
1850	495511.06	3859151.99	0.05584	0.07674	0.0376	0.02192	2.26E-04	2.29E-03	2.40E-04	6.92E-05	2.82E-03	2.05E-04	2.47E-09	3.19E-06	1.89E-06	2.10E-04	2.61E-04	2.29E-03	2.40E-04	6.92E-05	2.86E-03
1851	495561.06	3859151.99	0.05547	0.0759	0.0373	0.02174	2.24E-04	2.26E-03	2.38E-04	6.86E-05	2.80E-03	2.04E-04	2.45E-09	3.18E-06	1.87E-06	2.09E-04	2.59E-04	2.26E-03	2.38E-04	6.86E-05	2.83E-03
1852	495611.06	3859151.99	0.05516	0.07516	0.0372	0.02157	2.23E-04	2.24E-03	2.37E-04	6.81E-05	2.77E-03	2.03E-04	2.42E-09	3.16E-06	1.86E-06	2.08E-04	2.58E-04	2.24E-03	2.37E-04	6.81E-05	2.81E-03
1853	495661.06	3859151.99	0.05492	0.07451	0.037	0.02142	2.22E-04	2.22E-03	2.36E-04	6.76E-05	2.75E-03	2.02E-04	2.40E-09	3.15E-06	1.84E-06	2.07E-04	2.57E-04	2.22E-03	2.36E-04	6.76E-05	2.78E-03
1854	494311.06	3859201.99	0.06891	0.11187	0.0416	0.02791	2.79E-04	3.34E-03	2.65E-04	8.81E-05	3.97E-03	2.53E-04	3.61E-09	3.54E-06	2.40E-06	2.59E-04	3.22E-04	3.34E-03	2.65E-04	8.81E-05	4.01E-03
1855	494361.06	3859201.99	0.06853	0.1106	0.0415	0.02767	2.77E-04	3.30E-03	2.65E-04	8.74E-05	3.93E-03	2.52E-04	3.56E-09	3.53E-06	2.38E-06	2.58E-04	3.20E-04	3.30E-03	2.65E-04	8.74E-05	3.97E-03
1856	494411.06	3859201.99	0.06802	0.10895	0.0414	0.02741	2.75E-04	3.25E-03	2.64E-04	8.65E-05	3.88E-03	2.50E-04	3.51E-09	3.52E-06	2.36E-06	2.56E-04	3.18E-04	3.25E-03	2.64E-04	8.65E-05	3.92E-03
1857	494461.06	3859201.99	0.06726	0.10665	0.0413	0.0271	2.72E-04	3.18E-03	2.63E-04	8.56E-05	3.80E-03	2.47E-04	3.44E-09	3.51E-06	2.33E-06	2.53E-04	3.15E-04	3.18E-03	2.63E-04	8.56E-05	3.85E-03
1858	494511.06	3859201.99	0.06673	0.10506	0.0411	0.02683	2.70E-04	3.13E-03	2.62E-04	8.47E-05	3.75E-03	2.45E-04	3.39E-09	3.50E-06	2.31E-06	2.51E-04	3.12E-04	3.13E-03	2.62E-04	8.47E-05	3.79E-03
1859	494561.06	3859201.99	0.06585	0.1026	0.041	0.02649	2.66E-04	3.06E-03	2.61E-04	8.36E-05	3.67E-03	2.42E-04	3.31E-09	3.48E-06	2.28E-06	2.48E-04	3.08E-04	3.06E-03	2.61E-04	8.36E-05	3.71E-03
1860	494611.06	3859201.99	0.06514	0.10066	0.0408	0.02618	2.63E-04	3.00E-03	2.60E-04	8.27E-05	3.61E-03	2.39E-04	3.24E-09	3.47E-06	2.25E-06	2.45E-04	3.05E-04	3.00E-03	2.60E-04	8.27E-05	3.65E-03
1861	494661.06	3859201.99	0.06456	0.09911	0.0406	0.02591	2.61E-04	2.96E-03	2.59E-04	8.18E-05	3.56E-03	2.37E-04	3.19E-09	3.45E-06	2.23E-06	2.43E-04	3.02E-04	2.96E-03	2.59E-04	8.18E-05	3.60E-03
1862	494711.06	3859201.99	0.06398	0.09757	0.0404	0.02564	2.59E-04	2.91E-03	2.58E-04	8.10E-05	3.51E-03	2.35E-04	3.14E-09	3.43E-06	2.21E-06	2.41E-04	2.99E-04	2.91E-03	2.58E-04	8.10E-05	3.55E-03
1863	494761.06	3859201.99	0.06298	0.09518	0.0401	0.02527	2.55E-04	2.84E-03	2.56E-04	7.98E-05	3.43E-03	2.32E-04	3.07E-09	3.41E-06	2.18E-06	2.37E-04	2.95E-04	2.84E-03	2.56E-04	7.98E-05	3.47E-03
1864	494811.06	3859201.99	0.06212	0.0932	0.0397	0.02494	2.51E-04	2.78E-03	2.53E-04	7.87E-05	3.36E-03	2.28E-04	3.00E-09	3.38E-06	2.15E-06	2.34E-04	2.91E-04	2.78E-03	2.53E-04	7.87E-05	3.40E-03
1865	494861.06	3859201.99	0.06119	0.0908	0.0395	0.02464	2.47E-04	2.71E-03	2.52E-04	7.78E-05	3.29E-03	2.25E-04	2.93E-09	3.36E-06	2.12E-06	2.30E-04	2.86E-04	2.71E-03	2.52E-04	7.78E-05	3.32E-03
1866	494911.06	3859201.99	0.05976	0.08829	0.0388	0.02414	2.42E-04	2.63E-03	2.47E-04	7.62E-05	3.20E-03	2.20E-04	2.85E-09	3.30E-06	2.08E-06	2.25E-04	2.79E-04	2.63E-03	2.47E-04	7.62E-05	3.24E-03
1867	494961.06	3859201.99	0.0583	0.08554	0.0381	0.02369	2.36E-04	2.55E-03	2.43E-04	7.48E-05	3.11E-03	2.14E-04	2.76E-09	3.24E-06	2.04E-06	2.20E-04	2.73E-04	2.55E-03	2.43E-04	7.48E-05	3.14E-03
1868	495011.06	3859201.99	0.05627	0.08202	0.0371	0.02315	2.27E-04	2.45E-03	2.36E-04	7.31E-05	2.98E-03	2.07E-04	2.64E-09	3.15E-06	1.99E-06	2.12E-04	2.63E-04	2.45E-03	2.36E-04	7.31E-05	3.02E-03
1869	495061.06	3859201.99	0.05708	0.08294	0.0374	0.02318	2.31E-04	2.47E-03	2.39E-04	7.32E-05	3.02E-03	2.10E-04	2.67E-09	3.18E-06	2.00E-06	2.15E-04	2.67E-04	2.47E-03	2.39E-04	7.32E-05	3.05E-03
1870	495111.06	3859201.99	0.05711	0.08265	0.0375	0.02306	2.31E-04	2.47E-03	2.39E-04	7.28E-05	3.01E-03	2.10E-04	2.66E-09	3.19E-06	1.99E-06	2.15E-04	2.67E-04	2.47E-03	2.39E-04	7.28E-05	3.04E-03
1871	495161.06	3859201.99	0.05703	0.08219	0.0374	0.02293	2.31E-04	2.45E-03	2.39E-04	7.24E-05	2.99E-03	2.10E-04	2.65E-09	3.18E-06	1.97E-06	2.15E-04	2.67E-04	2.45E-03	2.39E-04	7.24E-05	3.03E-03
1872	495211.06	3859201.99	0.05666	0.08128	0.0372	0.02273	2.29E-04	2.42E-03	2.37E-04	7.18E-05	2.96E-03	2.08E-04	2.62E-09	3.16E-06	1.96E-06	2.13E-04	2.65E-04	2.42E-03	2.37E-04	7.18E-05	3.00E-03
1873	495261.06	3859201.99	0.05672	0.08104	0.0372	0.02262	2.29E-04	2.42E-03	2.38E-04	7.14E-05	2.96E-03	2.09E-04	2.61E-09	3.17E-06	1.95E-06	2.14E-04	2.65E-04	2.42E-03	2.38E-04	7.14E-05	2.99E-03
1874	495311.06	3859201.99	0.05662	0.08057	0.0372	0.02249	2.29E-04	2.40E-03	2.37E-04	7.10E-05	2.94E-03	2.08E-04	2.60E-09	3.16E-06	1.94E-06	2.13E-04	2.65E-04	2.40E-03	2.37E-04	7.10E-05	2.98E-03
1875	495361.06	3859201.99	0.0566	0.08021	0.0372	0.02237	2.29E-04	2.39E-03	2.37E-04	7.06E-05	2.93E-03	2.08E-04	2.59E-09	3.16E-06	1.93E-06	2.13E-04	2.65E-04	2.39E-03	2.37E-04	7.06E-05	2.97E-03
1876	495411.06	3859201.99	0.05684	0.08032	0.0373	0.0223	2.30E-04	2.40E-03	2.38E-04	7.04E-05	2.93E-03	2.09E-04	2.59E-09	3.17E-06	1.92E-06	2.14E-04	2.66E-04	2.40E-03	2.38E-04	7.04E-05	2.97E-03
1877	495461.06	3859201.99	0.05662	0.07965	0.0372	0.02214	2.29E-04	2.38E-03	2.37E-04	6.99E-05	2.91E-03	2.08E-04	2.57E-09	3.16E-06	1.91E-06	2.13E-04	2.65E-04	2.38E-03	2.37E-04	6.99E-05	2.95E-03
1878	495511.06	3859201.99	0.0564	0.07896	0.0371	0.02199	2.28E-04	2.36E-03	2.37E-04	6.94E-05	2.89E-03	2.07E-04	2.54E-09	3.15E-06	1.89E-06	2.12E-04	2.64E-04	2.36E-03	2.37E-04	6.94E-05	2.93E-03
1879	495561.06	3859201.99	0.0558	0.07772	0.0368	0.02175	2.26E-04	2.32E-03	2.35E-04	6.87E-05	2.85E-03	2.05E-04	2.50E-09	3.13E-06	1.87E-06	2.10E-04	2.61E-04	2.32E-03	2.35E-04	6.87E-05	2.88E-03
1880	495611.06	3859201.99	0.0554	0.07681	0.0366	0.02156	2.24E-04	2.29E-03	2.33E-04	6.81E-05	2.82E-03	2.04E-04	2.48E-09	3.11E-06	1.86E-06	2.09E-04	2.59E-04	2.29E-03	2.33E-04	6.81E-05	2.85E-03
1881	495661.06	3859201.99	0.05517	0.07617	0.0364	0.02141	2.23E-04	2.27E-03	2.32E-04	6.76E-05	2.80E-03	2.03E-04	2.46E-09	3.10E-06	1.84E-06	2.08E-04	2.58E-04	2.27E-03	2.32E-04	6.76E-05	2.83E-03
1882	494311.06	3859251.99	0.06865	0.11493	0.0402	0.02774	2.77E-04	3.43E-03	2.56E-04	8.76E-05	4.05E-03	2.52E-04	3.70E-09	3.42E-06	2.39E-06	2.58E-04	3.21E-04	3.43E-03	2.56E-04	8.76E-05	4.09E-03
1883	494361.06	3859251.99	0.06815	0.11308	0.0401	0.02749	2.75E-04	3.37E-03	2.56E-04	8.68E-05	3.99E-03	2.51E-04	3.64E-09	3.41E-06	2.37E-06	2.56E-04	3.19E-04	3.37E-03	2.56E-04	8.68E-05	4.04E-03
1884	494411.06	3859251.99	0.06745	0.11064	0.0401	0.0272	2.73E-04	3.30E-03	2.56E-04	8.59E-05	3.92E-03	2.48E-04	3.57E-09	3.41E-06	2.34E-06	2.54E-04	3.15E-04	3.30E-03	2.56E-04	8.59E-05	3.96E-03
1885	494461.06	3859251.99	0.06697	0.10899	0.04	0.02695	2.71E-04	3.25E-03	2.55E-04	8.51E-05	3.86E-03	2.46E-04	3.51E-09	3.40E-06	2.32E-06	2.52E-04	3.13E-04	3.25E-03	2.55E-04	8.51E-05	3.90E-03
1886	494511.06	3859251.99	0.06616	0.10643	0.0399	0.02663	2.67E-04	3.18E-03	2.55E-04	8.41E-05	3.78E-03	2.43E-04	3.43E-09	3.39E-06	2.29E-06	2.49E-04	3.09E-04	3.18E-03	2.55E-04	8.41E-05	3.82E-03
1887	494561.06	3859251.99	0.06561	0.10471	0.0398	0.02636	2.65E-04	3.12E-03	2.54E-04	8.32E-05	3.73E-03	2.41E-04	3.37E-09	3.38E-06	2.27E-06	2.47E-04	3.07E-04	3.12E-03	2.54E-04	8.32E-05	3.77E-03

1888	494611.06	3859251.99	0.06488	0.10255	0.0396	0.02606	2.62E-04	3.06E-03	2.53E-04	8.23E-05	3.66E-03	2.39E-04	3.31E-09	3.37E-06	2.24E-06	2.44E-04	3.03E-04	3.06E-03	2.53E-04	8.23E-05	3.70E-03
1889	494661.06	3859251.99	0.06447	0.10132	0.0395	0.02583	2.61E-04	3.02E-03	2.52E-04	8.16E-05	3.62E-03	2.37E-04	3.27E-09	3.36E-06	2.22E-06	2.43E-04	3.02E-04	3.02E-03	2.52E-04	8.16E-05	3.66E-03
1890	494711.06	3859251.99	0.0639	0.09971	0.0393	0.02557	2.58E-04	2.97E-03	2.51E-04	8.07E-05	3.56E-03	2.35E-04	3.21E-09	3.34E-06	2.20E-06	2.40E-04	2.99E-04	2.97E-03	2.51E-04	8.07E-05	3.60E-03
1891	494761.06	3859251.99	0.06248	0.09583	0.039	0.02514	2.53E-04	2.86E-03	2.49E-04	7.94E-05	3.44E-03	2.30E-04	3.09E-09	3.32E-06	2.16E-06	2.35E-04	2.92E-04	2.86E-03	2.49E-04	7.94E-05	3.48E-03
1892	494811.06	3859251.99	0.06218	0.09529	0.0388	0.0249	2.51E-04	2.84E-03	2.47E-04	7.86E-05	3.42E-03	2.29E-04	3.07E-09	3.30E-06	2.14E-06	2.34E-04	2.91E-04	2.84E-03	2.47E-04	7.86E-05	3.46E-03
1893	494861.06	3859251.99	0.06088	0.09197	0.0385	0.02452	2.46E-04	2.74E-03	2.45E-04	7.74E-05	3.31E-03	2.24E-04	2.96E-09	3.27E-06	2.11E-06	2.29E-04	2.85E-04	2.74E-03	2.45E-04	7.74E-05	3.35E-03
1894	494911.06	3859251.99	0.05944	0.08929	0.0378	0.024	2.40E-04	2.66E-03	2.41E-04	7.58E-05	3.22E-03	2.19E-04	2.88E-09	3.21E-06	2.07E-06	2.24E-04	2.78E-04	2.66E-03	2.41E-04	7.58E-05	3.26E-03
1895	494961.06	3859251.99	0.05876	0.08778	0.0375	0.02373	2.38E-04	2.62E-03	2.39E-04	7.49E-05	3.17E-03	2.16E-04	2.83E-09	3.19E-06	2.04E-06	2.21E-04	2.75E-04	2.62E-03	2.39E-04	7.49E-05	3.21E-03
1896	495011.06	3859251.99	0.05791	0.08602	0.0371	0.02341	2.34E-04	2.57E-03	2.36E-04	7.39E-05	3.11E-03	2.13E-04	2.77E-09	3.15E-06	2.02E-06	2.18E-04	2.71E-04	2.57E-03	2.36E-04	7.39E-05	3.15E-03
1897	495061.06	3859251.99	0.05799	0.08584	0.0371	0.02331	2.34E-04	2.56E-03	2.37E-04	7.36E-05	3.11E-03	2.13E-04	2.77E-09	3.15E-06	2.01E-06	2.18E-04	2.71E-04	2.56E-03	2.37E-04	7.36E-05	3.14E-03
1898	495111.06	3859251.99	0.05768	0.08502	0.0369	0.02312	2.33E-04	2.54E-03	2.36E-04	7.30E-05	3.08E-03	2.12E-04	2.74E-09	3.14E-06	1.99E-06	2.17E-04	2.70E-04	2.54E-03	2.36E-04	7.30E-05	3.11E-03
1899	495161.06	3859251.99	0.05756	0.0845	0.0369	0.02298	2.33E-04	2.52E-03	2.35E-04	7.26E-05	3.06E-03	2.12E-04	2.72E-09	3.13E-06	1.98E-06	2.17E-04	2.69E-04	2.52E-03	2.35E-04	7.26E-05	3.10E-03
1900	495211.06	3859251.99	0.05721	0.08361	0.0367	0.02279	2.31E-04	2.49E-03	2.34E-04	7.20E-05	3.03E-03	2.10E-04	2.69E-09	3.12E-06	1.96E-06	2.15E-04	2.68E-04	2.49E-03	2.34E-04	7.20E-05	3.07E-03
1901	495261.06	3859251.99	0.05724	0.08306	0.0368	0.02273	2.31E-04	2.48E-03	2.35E-04	7.18E-05	3.02E-03	2.10E-04	2.68E-09	3.13E-06	1.96E-06	2.16E-04	2.68E-04	2.48E-03	2.35E-04	7.18E-05	3.05E-03
1902	495311.06	3859251.99	0.05716	0.08293	0.0367	0.02255	2.31E-04	2.47E-03	2.34E-04	7.12E-05	3.01E-03	2.10E-04	2.67E-09	3.12E-06	1.94E-06	2.15E-04	2.67E-04	2.47E-03	2.34E-04	7.12E-05	3.05E-03
1903	495361.06	3859251.99	0.05699	0.08233	0.0366	0.0224	2.30E-04	2.46E-03	2.33E-04	7.07E-05	2.99E-03	2.10E-04	2.65E-09	3.11E-06	1.93E-06	2.15E-04	2.67E-04	2.46E-03	2.33E-04	7.07E-05	3.03E-03
1904	495411.06	3859251.99	0.05713	0.08228	0.0366	0.02232	2.31E-04	2.45E-03	2.34E-04	7.05E-05	2.99E-03	2.10E-04	2.65E-09	3.11E-06	1.92E-06	2.15E-04	2.67E-04	2.45E-03	2.34E-04	7.05E-05	3.03E-03
1905	495461.06	3859251.99	0.05692	0.08164	0.0365	0.02216	2.30E-04	2.44E-03	2.33E-04	7.00E-05	2.97E-03	2.09E-04	2.63E-09	3.11E-06	1.91E-06	2.14E-04	2.66E-04	2.44E-03	2.33E-04	7.00E-05	3.00E-03
1906	495511.06	3859251.99	0.05634	0.08035	0.0363	0.02192	2.28E-04	2.40E-03	2.31E-04	6.92E-05	2.93E-03	2.07E-04	2.59E-09	3.08E-06	1.89E-06	2.12E-04	2.63E-04	2.40E-03	2.31E-04	6.92E-05	2.96E-03
1907	495561.06	3859251.99	0.05604	0.07956	0.0361	0.02175	2.27E-04	2.37E-03	2.30E-04	6.87E-05	2.90E-03	2.06E-04	2.56E-09	3.07E-06	1.87E-06	2.11E-04	2.62E-04	2.37E-03	2.30E-04	6.87E-05	2.93E-03
1908	495611.06	3859251.99	0.05554	0.07844	0.0359	0.02154	2.25E-04	2.34E-03	2.29E-04	6.80E-05	2.86E-03	2.04E-04	2.53E-09	3.05E-06	1.85E-06	2.09E-04	2.60E-04	2.34E-03	2.29E-04	6.80E-05	2.90E-03
1909	495661.06	3859251.99	0.05524	0.07766	0.0357	0.02137	2.23E-04	2.32E-03	2.28E-04	6.75E-05	2.84E-03	2.03E-04	2.50E-09	3.04E-06	1.84E-06	2.08E-04	2.58E-04	2.32E-03	2.28E-04	6.75E-05	2.87E-03
1910	494311.06	3859301.99	0.06821	0.11778	0.0388	0.02749	2.76E-04	3.51E-03	2.48E-04	8.68E-05	4.12E-03	2.51E-04	3.80E-09	3.30E-06	2.37E-06	2.56E-04	3.19E-04	3.51E-03	2.48E-04	8.68E-05	4.17E-03
1911	494361.06	3859301.99	0.06772	0.11575	0.0388	0.02725	2.74E-04	3.45E-03	2.47E-04	8.60E-05	4.06E-03	2.49E-04	3.73E-09	3.30E-06	2.35E-06	2.55E-04	3.17E-04	3.45E-03	2.47E-04	8.60E-05	4.10E-03
1912	494411.06	3859301.99	0.06709	0.11325	0.0388	0.02698	2.71E-04	3.38E-03	2.48E-04	8.52E-05	3.98E-03	2.47E-04	3.65E-09	3.30E-06	2.32E-06	2.52E-04	3.14E-04	3.38E-03	2.48E-04	8.52E-05	4.03E-03
1913	494461.06	3859301.99	0.06643	0.11079	0.0388	0.02671	2.69E-04	3.31E-03	2.48E-04	8.43E-05	3.91E-03	2.44E-04	3.57E-09	3.30E-06	2.30E-06	2.50E-04	3.11E-04	3.31E-03	2.48E-04	8.43E-05	3.95E-03
1914	494511.06	3859301.99	0.06583	0.10864	0.0388	0.02644	2.66E-04	3.24E-03	2.47E-04	8.35E-05	3.84E-03	2.42E-04	3.50E-09	3.30E-06	2.28E-06	2.48E-04	3.08E-04	3.24E-03	2.47E-04	8.35E-05	3.88E-03
1915	494561.06	3859301.99	0.06533	0.10692	0.0387	0.02619	2.64E-04	3.19E-03	2.47E-04	8.27E-05	3.78E-03	2.40E-04	3.45E-09	3.29E-06	2.26E-06	2.46E-04	3.06E-04	3.19E-03	2.47E-04	8.27E-05	3.82E-03
1916	494611.06	3859301.99	0.06476	0.10506	0.0385	0.02593	2.62E-04	3.13E-03	2.46E-04	8.19E-05	3.72E-03	2.38E-04	3.39E-09	3.28E-06	2.23E-06	2.44E-04	3.03E-04	3.13E-03	2.46E-04	8.19E-05	3.76E-03
1917	494661.06	3859301.99	0.06419	0.10325	0.0384	0.02567	2.59E-04	3.08E-03	2.45E-04	8.10E-05	3.67E-03	2.36E-04	3.33E-09	3.27E-06	2.21E-06	2.41E-04	3.00E-04	3.08E-03	2.45E-04	8.10E-05	3.71E-03
1918	494711.06	3859301.99	0.06349	0.10113	0.0383	0.02538	2.57E-04	3.02E-03	2.44E-04	8.01E-05	3.60E-03	2.33E-04	3.26E-09	3.25E-06	2.19E-06	2.39E-04	2.97E-04	3.02E-03	2.44E-04	8.01E-05	3.64E-03
1919	494761.06	3859301.99	0.06285	0.09926	0.0381	0.0251	2.54E-04	2.96E-03	2.43E-04	7.93E-05	3.54E-03	2.31E-04	3.20E-09	3.24E-06	2.16E-06	2.36E-04	2.94E-04	2.96E-03	2.43E-04	7.93E-05	3.58E-03
1920	494811.06	3859301.99	0.0619	0.09671	0.0379	0.02475	2.50E-04	2.89E-03	2.42E-04	7.81E-05	3.46E-03	2.28E-04	3.12E-09	3.22E-06	2.13E-06	2.33E-04	2.89E-04	2.89E-03	2.42E-04	7.81E-05	3.49E-03
1921	494861.06	3859301.99	0.06051	0.09336	0.0375	0.0243	2.45E-04	2.79E-03	2.39E-04	7.67E-05	3.35E-03	2.22E-04	3.01E-09	3.19E-06	2.09E-06	2.28E-04	2.83E-04	2.79E-03	2.39E-04	7.67E-05	3.38E-03
1922	494911.06	3859301.99	0.0598	0.09163	0.0372	0.02401	2.42E-04	2.73E-03	2.37E-04	7.58E-05	3.29E-03	2.20E-04	2.95E-09	3.16E-06	2.07E-06	2.25E-04	2.80E-04	2.73E-03	2.37E-04	7.58E-05	3.33E-03
1923	494961.06	3859301.99	0.05835	0.08836	0.0366	0.02357	2.36E-04	2.64E-03	2.34E-04	7.44E-05	3.18E-03	2.15E-04	2.85E-09	3.12E-06	2.03E-06	2.20E-04	2.73E-04	2.64E-03	2.34E-04	7.44E-05	3.22E-03
1924	495011.06	3859301.99	0.05781	0.08708	0.0364	0.02333	2.34E-04	2.60E-03	2.32E-04	7.37E-05	3.14E-03	2.13E-04	2.81E-09	3.09E-06	2.01E-06	2.18E-04	2.70E-04	2.60E-03	2.32E-04	7.37E-05	3.17E-03
1925	495061.06	3859301.99	0.05857	0.08809	0.0367	0.02342	2.37E-04	2.63E-03	2.34E-04	7.39E-05	3.17E-03	2.15E-04	2.84E-09	3.12E-06	2.02E-06	2.20E-04	2.74E-04	2.63E-03	2.34E-04	7.39E-05	3.21E-03
1926	495111.06	3859301.99	0.05773	0.08636	0.0363	0.02308	2.33E-04	2.58E-03	2.31E-04	7.29E-05	3.11E-03	2.12E-04	2.78E-09	3.09E-06	1.99E-06	2.17E-04	2.70E-04	2.58E-03	2.31E-04	7.29E-05	3.15E-03
1927	495161.06	3859301.99	0.05756	0.08597	0.0361	0.0229	2.33E-04	2.56E-03	2.30E-04	7.23E-05	3.10E-03	2.12E-04	2.77E-09	3.07E-06	1.97E-06	2.17E-04	2.69E-04	2.56E-03	2.30E-04	7.23E-05	3.14E-03
1928	495211.06	3859301.99	0.05775	0.08606	0.0362	0.02284	2.33E-04	2.57E-03	2.31E-04	7.21E-05	3.10E-03	2.12E-04	2.77E-09	3.08E-06	1.97E-06	2.17E-04	2.70E-04	2.57E-03	2.31E-04	7.21E-05	3.14E-03
1929	495261.06	3859301.99	0.05773	0.08576	0.0361	0.02272	2.33E-04	2.56E-03	2.30E-04	7.17E-05	3.09E-03	2.12E-04	2.76E-09	3.07E-06	1.96E-06	2.17E-04	2.70E-04	2.56E-03	2.30E-04	7.17E-05	3.13E-03
1930	495311.06	3859301.99	0.05723	0.08454	0.0359	0.02249	2.31E-04	2.52E-03	2.29E-04	7.10E-05	3.05E-03	2.10E-04	2.72E-09	3.05E-06	1.94E-06	2.15E-04	2.68E-04	2.52E-03	2.29E-04	7.10E-05	3.09E-03
1931	495361.06	3859301.99	0.05728	0.08437	0.0359	0.0224	2.32E-04	2.52E-03	2.29E-04	7.07E-05	3.05E-03	2.11E-04	2.72E-09	3.05E-06	1.93E-06	2.16E-04	2.68E-04	2.52E-03	2.29E-04	7.07E-05	3.08E-03
1932	495411.06	3859301.99	0.05715	0.08387	0.0358	0.02226	2.31E-04	2.50E-03	2.29E-04	7.03E-05	3.03E-03	2.10E-04	2.70E-09	3.05E-06	1.92E-06	2.15E-04	2.67E-04	2.50E-03	2.29E-04	7.03E-05	3.07E-03
1933	495461.06	3859301.99	0.05708	0.08348	0.0358	0.02214	2.31E-04	2.49E-03	2.28E-04	6.99E-05	3.02E-03	2.10E-04	2.69E-09	3.04E-06	1.91E-06	2.15E-04	2.67E-04	2.49E-03	2.28E-04	6.99E-05	3.06E-03
1934	495511.06	3859301.99	0.05664	0.08239	0.0356	0.02193	2.29E-04	2.46E-03	2.27E-04	6.92E-05	2.98E-03	2.08E-04	2.66E-09	3.03E-06	1.89E-06	2.13E-04	2.65E-04	2.46E-03	2.27E-04	6.92E-05	3.02E-03
1935	495561.06	3859301.99	0.0559	0.08076	0.0353	0.02166	2.26E-04	2.41E-03	2.25E-04	6.84E-05	2.93E-03	2.06E-04	2.60E-09	3.00E-06	1.87E-06	2.10E-04	2.61E-04	2.41E-03	2.25E-04	6.84E-05	2.96E-03
1936	495611.06	3859301.99	0.05561	0.07997	0.0351	0.02149	2.25E-04	2.39E-03	2.24E-04	6.79E-05	2.90E-03	2.04E-04	2.58E-09	2.99E-06	1.85E-06	2.09E-04	2.60E-04	2.39E-03	2.24E-04	6.79E-05	2.94E-03
1937	495661.06	3859301.99	0.05531	0.07917	0.035	0.02132	2.24E-04	2.36E-03	2.23E-04	6.73E-05	2.88E-03	2.03E-04	2.55E-09	2.98E-06	1.84E-06	2.08E-04	2.59E-04	2.36E-03	2.23E-04	6.73E-05	2.91E-03
1938	494311.06	3859351.99	0.06752	0.11997	0.0375	0.02715	2.73E-04	3.58E-03	2.39E-04	8.57E-05	4.18E-03	2.48E-04	3.87E-09	3.19E-06	2.34E-06	2.54E-04	3.16E-04	3.58E-03	2.39E-04	8.57E-05	4.22E-03
1939	494361.06	3859351.99	0.06707	0.11789	0.0375	0.02693	2.71E-04	3.52E-03	2.39E-04	8.50E-05	4.11E-03	2.47E-04	3.80E-09	3.19E-06	2.32E-06	2.52E-04	3.14E-04	3.52E-03	2.39E-04	8.50E-05	4.16E-03
1940	494411.06	3859351.99	0.06645	0.11509	0.0376	0.02667	2.69E-04	3.43E-03	2.40E-04	8.42E-05	4.03E-03	2.44E-04	3.71E-09	3.20E-06	2.30E-06	2.50E-04	3.11E-04	3.43E-03	2.40E-04	8.42E-05	4.07E-03
1941	494461.06	3859351.99	0.06588	0.11273	0.0377	0.02642	2.66E-04	3.36E-03	2.40E-04	8.34E-05	3.95E-03	2.42E-04	3.63E-09	3.20E-06	2.28E-06	2.48E-04	3.08E-04	3.36E-03	2.40E-04	8.34E-05	3.99E-03
1942	494511.06	3859351.99	0.06535	0.11064	0.0376	0.02618	2.64E-04	3.30E-03	2.40E-04	8.27E-05	3.89E-03	2.40E-04	3.57E-09	3.20E-06	2.25E-06	2.46E-04	3.06E-04	3.30E-03	2.40E-04	8.27E-05	3.93E-03
1943	494561.06	3859351.99	0.06494	0.10905	0.0376	0.02595	2.63E-04	3.25E-03	2.40E-04	8.19E-05	3.84E-03	2.39E-04	3.51E-09	3.19E-06	2.23E-06	2.44E-04	3.04E-04	3.25E-03	2.40E-04	8.19E-05	3.88E-03
1944	494611.06	3859351.99	0.06444	0.10725	0.0375	0.02572	2.60E-04	3.20E-03	2.39E-04	8.12E-05	3.78E-03	2.37E-04	3.46E-09	3.19E-06	2.21E-06	2.42E-04	3.01E-04	3.20E-03	2.39E-04	8.12E-05	3.82E-03
1945	494661.06	3859351.99	0.06391	0.10536	0.0374	0.02547	2.58E-04	3.14E-03	2.39E-04	8.04E-05	3.72E-03	2.35E-04	3.40E-09	3.18E-06	2.19E-06	2.40E-04	2.99E-04	3.14E-03	2.39E-04	8.04E-05	3.76E-03
1946	494711.06	3859351.99	0.06321	0.10304	0.0373	0.02519	2.56E-04	3.07E-03	2.38E-04	7.95E-05	3.65E-03	2.32E-04	3.32E-09	3.17E-06	2.17E-06	2.38E-04	2.96E-04	3.07E-03	2.38E-04	7.95E-05	3.69E-03
1947	494761.06	3859351.99	0.06237	0.10009	0.0372	0.02491	2.52E-04	2.99E-03	2.38E-04	7.87E-05	3.55E-03	2.29E-04	3.23E-09	3.17E-06	2.15E-06	2.35E-04	2.92E-04	2.99E-03	2.38E-04	7.87E-05	3.59E-03
1948	494811.06	3859351.99	0.06095	0.09651	0.0369	0.02442	2.46E-04	2.88E-03	2.36E-04	7.71E-05	3.44E-03	2.24E-04	3.11E-09	3.14E-06	2.10E-06	2.29E-04	2.85E-04	2.88E-03	2.36E-04	7.71E-05	3.48E-03

1949	494861.06	3859351.99	0.06041	0.09501	0.0367	0.02417	2.44E-04	2.83E-03	2.34E-04	7.63E-05	3.39E-03	2.22E-04	3.06E-09	3.12E-06	2.08E-06	2.27E-04	2.83E-04	2.83E-03	2.34E-04	7.63E-05	3.43E-03
1950	494911.06	3859351.99	0.06004	0.09395	0.0366	0.02396	2.43E-04	2.80E-03	2.33E-04	7.57E-05	3.35E-03	2.21E-04	3.03E-09	3.11E-06	2.06E-06	2.26E-04	2.81E-04	2.80E-03	2.33E-04	7.57E-05	3.39E-03
1951	494961.06	3859351.99	0.0594	0.09231	0.0363	0.02369	2.40E-04	2.75E-03	2.32E-04	7.48E-05	3.30E-03	2.18E-04	2.98E-09	3.09E-06	2.04E-06	2.24E-04	2.78E-04	2.75E-03	2.32E-04	7.48E-05	3.34E-03
1952	495011.06	3859351.99	0.05893	0.09102	0.0361	0.02346	2.38E-04	2.72E-03	2.30E-04	7.41E-05	3.26E-03	2.17E-04	2.93E-09	3.07E-06	2.02E-06	2.22E-04	2.76E-04	2.72E-03	2.30E-04	7.41E-05	3.30E-03
1953	495061.06	3859351.99	0.05919	0.09139	0.0361	0.02342	2.39E-04	2.73E-03	2.30E-04	7.39E-05	3.27E-03	2.18E-04	2.95E-09	3.07E-06	2.02E-06	2.23E-04	2.77E-04	2.73E-03	2.30E-04	7.39E-05	3.31E-03
1954	495111.06	3859351.99	0.05868	0.09003	0.0359	0.02318	2.37E-04	2.69E-03	2.29E-04	7.32E-05	3.23E-03	2.16E-04	2.90E-09	3.05E-06	2.00E-06	2.21E-04	2.74E-04	2.69E-03	2.29E-04	7.32E-05	3.26E-03
1955	495161.06	3859351.99	0.05843	0.08929	0.0358	0.02301	2.36E-04	2.66E-03	2.28E-04	7.27E-05	3.20E-03	2.15E-04	2.88E-09	3.04E-06	1.98E-06	2.20E-04	2.73E-04	2.66E-03	2.28E-04	7.27E-05	3.24E-03
1956	495211.06	3859351.99	0.05816	0.08848	0.0356	0.02284	2.35E-04	2.64E-03	2.27E-04	7.21E-05	3.17E-03	2.14E-04	2.85E-09	3.03E-06	1.97E-06	2.19E-04	2.72E-04	2.64E-03	2.27E-04	7.21E-05	3.21E-03
1957	495261.06	3859351.99	0.05808	0.0881	0.0355	0.02272	2.35E-04	2.63E-03	2.27E-04	7.17E-05	3.16E-03	2.14E-04	2.84E-09	3.02E-06	1.96E-06	2.19E-04	2.72E-04	2.63E-03	2.27E-04	7.17E-05	3.20E-03
1958	495311.06	3859351.99	0.05766	0.08698	0.0354	0.02251	2.33E-04	2.59E-03	2.26E-04	7.11E-05	3.12E-03	2.12E-04	2.80E-09	3.01E-06	1.94E-06	2.17E-04	2.70E-04	2.59E-03	2.26E-04	7.11E-05	3.16E-03
1959	495361.06	3859351.99	0.05742	0.08627	0.0352	0.02235	2.32E-04	2.57E-03	2.25E-04	7.06E-05	3.10E-03	2.11E-04	2.78E-09	3.00E-06	1.92E-06	2.16E-04	2.69E-04	2.57E-03	2.25E-04	7.06E-05	3.14E-03
1960	495411.06	3859351.99	0.05733	0.08584	0.0352	0.02222	2.32E-04	2.56E-03	2.24E-04	7.02E-05	3.09E-03	2.11E-04	2.77E-09	2.99E-06	1.91E-06	2.16E-04	2.68E-04	2.56E-03	2.24E-04	7.02E-05	3.12E-03
1961	495461.06	3859351.99	0.05732	0.08561	0.0351	0.02212	2.32E-04	2.55E-03	2.24E-04	6.98E-05	3.08E-03	2.11E-04	2.76E-09	2.99E-06	1.90E-06	2.16E-04	2.68E-04	2.55E-03	2.24E-04	6.98E-05	3.12E-03
1962	495511.06	3859351.99	0.05673	0.08414	0.0349	0.02188	2.29E-04	2.51E-03	2.23E-04	6.91E-05	3.03E-03	2.09E-04	2.71E-09	2.97E-06	1.88E-06	2.13E-04	2.65E-04	2.51E-03	2.23E-04	6.91E-05	3.07E-03
1963	495561.06	3859351.99	0.05629	0.08302	0.0347	0.02168	2.28E-04	2.48E-03	2.21E-04	6.85E-05	2.99E-03	2.07E-04	2.68E-09	2.95E-06	1.87E-06	2.12E-04	2.63E-04	2.48E-03	2.21E-04	6.85E-05	3.03E-03
1964	495611.06	3859351.99	0.056	0.0822	0.0346	0.02151	2.26E-04	2.45E-03	2.21E-04	6.79E-05	2.97E-03	2.06E-04	2.65E-09	2.94E-06	1.85E-06	2.11E-04	2.62E-04	2.45E-03	2.21E-04	6.79E-05	3.00E-03
1965	495661.06	3859351.99	0.05539	0.08077	0.0343	0.02127	2.24E-04	2.41E-03	2.19E-04	6.72E-05	2.92E-03	2.04E-04	2.60E-09	2.92E-06	1.83E-06	2.08E-04	2.59E-04	2.41E-03	2.19E-04	6.72E-05	2.95E-03
1966	494311.06	3859401.99	0.06688	0.1228	0.0361	0.02677	2.70E-04	3.66E-03	2.30E-04	8.45E-05	4.25E-03	2.46E-04	3.96E-09	3.07E-06	2.31E-06	2.51E-04	3.13E-04	3.66E-03	2.30E-04	8.45E-05	4.29E-03
1967	494361.06	3859401.99	0.06634	0.11987	0.0363	0.02655	2.68E-04	3.58E-03	2.31E-04	8.38E-05	4.16E-03	2.44E-04	3.86E-09	3.08E-06	2.29E-06	2.49E-04	3.10E-04	3.58E-03	2.31E-04	8.38E-05	4.20E-03
1968	494411.06	3859401.99	0.06575	0.11694	0.0364	0.02632	2.66E-04	3.49E-03	2.32E-04	8.31E-05	4.07E-03	2.42E-04	3.77E-09	3.10E-06	2.27E-06	2.47E-04	3.07E-04	3.49E-03	2.32E-04	8.31E-05	4.11E-03
1969	494461.06	3859401.99	0.06528	0.11474	0.0365	0.0261	2.64E-04	3.42E-03	2.33E-04	8.24E-05	4.00E-03	2.40E-04	3.70E-09	3.10E-06	2.25E-06	2.45E-04	3.05E-04	3.42E-03	2.33E-04	8.24E-05	4.04E-03
1970	494511.06	3859401.99	0.06494	0.11324	0.0364	0.02589	2.63E-04	3.38E-03	2.32E-04	8.17E-05	3.96E-03	2.39E-04	3.65E-09	3.10E-06	2.23E-06	2.44E-04	3.04E-04	3.38E-03	2.32E-04	8.17E-05	4.00E-03
1971	494561.06	3859401.99	0.06453	0.11149	0.0364	0.02568	2.61E-04	3.33E-03	2.32E-04	8.11E-05	3.90E-03	2.37E-04	3.59E-09	3.10E-06	2.21E-06	2.43E-04	3.02E-04	3.33E-03	2.32E-04	8.11E-05	3.94E-03
1972	494611.06	3859401.99	0.06402	0.10937	0.0364	0.02544	2.59E-04	3.26E-03	2.32E-04	8.03E-05	3.83E-03	2.35E-04	3.53E-09	3.10E-06	2.19E-06	2.41E-04	2.99E-04	3.26E-03	2.32E-04	8.03E-05	3.87E-03
1973	494661.06	3859401.99	0.06363	0.10784	0.0364	0.02523	2.57E-04	3.22E-03	2.32E-04	7.97E-05	3.79E-03	2.34E-04	3.48E-09	3.09E-06	2.17E-06	2.39E-04	2.98E-04	3.22E-03	2.32E-04	7.97E-05	3.83E-03
1974	494711.06	3859401.99	0.06316	0.10603	0.0363	0.02501	2.55E-04	3.16E-03	2.31E-04	7.90E-05	3.73E-03	2.32E-04	3.42E-09	3.09E-06	2.15E-06	2.37E-04	2.95E-04	3.16E-03	2.31E-04	7.90E-05	3.77E-03
1975	494761.06	3859401.99	0.06235	0.1028	0.0364	0.02477	2.52E-04	3.07E-03	2.32E-04	7.82E-05	3.63E-03	2.29E-04	3.31E-09	3.09E-06	2.13E-06	2.34E-04	2.92E-04	3.07E-03	2.32E-04	7.82E-05	3.67E-03
1976	494811.06	3859401.99	0.06154	0.10047	0.0362	0.02442	2.49E-04	3.00E-03	2.31E-04	7.71E-05	3.55E-03	2.26E-04	3.24E-09	3.08E-06	2.10E-06	2.31E-04	2.88E-04	3.00E-03	2.31E-04	7.71E-05	3.59E-03
1977	494861.06	3859401.99	0.06059	0.09759	0.0361	0.02408	2.45E-04	2.91E-03	2.30E-04	7.60E-05	3.46E-03	2.23E-04	3.15E-09	3.07E-06	2.07E-06	2.28E-04	2.83E-04	2.91E-03	2.30E-04	7.60E-05	3.50E-03
1978	494911.06	3859401.99	0.06002	0.0956	0.0359	0.02386	2.43E-04	2.85E-03	2.29E-04	7.53E-05	3.40E-03	2.21E-04	3.08E-09	3.06E-06	2.05E-06	2.26E-04	2.81E-04	2.85E-03	2.29E-04	7.53E-05	3.44E-03
1979	494961.06	3859401.99	0.05962	0.0947	0.0357	0.02362	2.41E-04	2.83E-03	2.28E-04	7.46E-05	3.37E-03	2.19E-04	3.05E-09	3.04E-06	2.03E-06	2.24E-04	2.79E-04	2.83E-03	2.28E-04	7.46E-05	3.41E-03
1980	495011.06	3859401.99	0.05938	0.09391	0.0356	0.02345	2.40E-04	2.80E-03	2.27E-04	7.40E-05	3.34E-03	2.18E-04	3.03E-09	3.03E-06	2.02E-06	2.23E-04	2.78E-04	2.80E-03	2.27E-04	7.40E-05	3.38E-03
1981	495061.06	3859401.99	0.05931	0.09325	0.0355	0.02336	2.40E-04	2.78E-03	2.27E-04	7.38E-05	3.32E-03	2.18E-04	3.01E-09	3.02E-06	2.01E-06	2.23E-04	2.77E-04	2.78E-03	2.27E-04	7.38E-05	3.36E-03
1982	495111.06	3859401.99	0.05877	0.09172	0.0353	0.02312	2.38E-04	2.74E-03	2.25E-04	7.30E-05	3.27E-03	2.16E-04	2.96E-09	3.00E-06	1.99E-06	2.21E-04	2.75E-04	2.74E-03	2.25E-04	7.30E-05	3.31E-03
1983	495161.06	3859401.99	0.05853	0.09129	0.0351	0.02292	2.37E-04	2.72E-03	2.24E-04	7.24E-05	3.26E-03	2.15E-04	2.94E-09	2.99E-06	1.97E-06	2.20E-04	2.74E-04	2.72E-03	2.24E-04	7.24E-05	3.29E-03
1984	495211.06	3859401.99	0.05845	0.09094	0.035	0.0228	2.36E-04	2.71E-03	2.23E-04	7.20E-05	3.24E-03	2.15E-04	2.93E-09	2.98E-06	1.96E-06	2.20E-04	2.73E-04	2.71E-03	2.23E-04	7.20E-05	3.28E-03
1985	495261.06	3859401.99	0.05819	0.09014	0.0349	0.02263	2.35E-04	2.69E-03	2.23E-04	7.15E-05	3.22E-03	2.14E-04	2.91E-09	2.97E-06	1.95E-06	2.19E-04	2.72E-04	2.69E-03	2.23E-04	7.15E-05	3.26E-03
1986	495311.06	3859401.99	0.05789	0.08925	0.0348	0.02246	2.34E-04	2.66E-03	2.22E-04	7.09E-05	3.19E-03	2.13E-04	2.88E-09	2.96E-06	1.93E-06	2.18E-04	2.71E-04	2.66E-03	2.22E-04	7.09E-05	3.23E-03
1987	495361.06	3859401.99	0.05788	0.08905	0.0347	0.02236	2.34E-04	2.66E-03	2.21E-04	7.06E-05	3.18E-03	2.13E-04	2.87E-09	2.95E-06	1.93E-06	2.18E-04	2.71E-04	2.66E-03	2.21E-04	7.06E-05	3.22E-03
1988	495411.06	3859401.99	0.05769	0.08844	0.0346	0.02221	2.33E-04	2.64E-03	2.20E-04	7.01E-05	3.16E-03	2.12E-04	2.85E-09	2.94E-06	1.91E-06	2.17E-04	2.70E-04	2.64E-03	2.20E-04	7.01E-05	3.20E-03
1989	495461.06	3859401.99	0.05733	0.0874	0.0344	0.02203	2.32E-04	2.61E-03	2.20E-04	6.96E-05	3.13E-03	2.11E-04	2.82E-09	2.93E-06	1.90E-06	2.16E-04	2.68E-04	2.61E-03	2.20E-04	6.96E-05	3.16E-03
1990	495511.06	3859401.99	0.05679	0.08595	0.0342	0.0218	2.30E-04	2.56E-03	2.18E-04	6.88E-05	3.08E-03	2.09E-04	2.77E-09	2.91E-06	1.88E-06	2.14E-04	2.66E-04	2.56E-03	2.18E-04	6.88E-05	3.12E-03
1991	495561.06	3859401.99	0.05614	0.0843	0.034	0.02155	2.27E-04	2.51E-03	2.17E-04	6.80E-05	3.03E-03	2.06E-04	2.72E-09	2.89E-06	1.86E-06	2.11E-04	2.63E-04	2.51E-03	2.17E-04	6.80E-05	3.06E-03
1992	495611.06	3859401.99	0.05579	0.08334	0.0339	0.02137	2.26E-04	2.49E-03	2.16E-04	6.75E-05	3.00E-03	2.05E-04	2.69E-09	2.88E-06	1.84E-06	2.10E-04	2.61E-04	2.49E-03	2.16E-04	6.75E-05	3.03E-03
1993	495661.06	3859401.99	0.05551	0.08253	0.0337	0.02121	2.24E-04	2.46E-03	2.15E-04	6.70E-05	2.97E-03	2.04E-04	2.66E-09	2.87E-06	1.83E-06	2.09E-04	2.60E-04	2.46E-03	2.15E-04	6.70E-05	3.00E-03
1994	494311.06	3859451.99	0.066	0.12435	0.0348	0.02633	2.67E-04	3.71E-03	2.22E-04	8.31E-05	4.28E-03	2.43E-04	4.01E-09	2.96E-06	2.27E-06	2.48E-04	3.09E-04	3.71E-03	2.22E-04	8.31E-05	4.32E-03
1995	494361.06	3859451.99	0.06554	0.12172	0.035	0.02613	2.65E-04	3.63E-03	2.23E-04	8.25E-05	4.20E-03	2.41E-04	3.92E-09	2.97E-06	2.25E-06	2.46E-04	3.07E-04	3.63E-03	2.23E-04	8.25E-05	4.24E-03
1996	494411.06	3859451.99	0.06489	0.11803	0.0353	0.02591	2.62E-04	3.52E-03	2.25E-04	8.18E-05	4.09E-03	2.39E-04	3.80E-09	3.01E-06	2.23E-06	2.44E-04	3.03E-04	3.52E-03	2.25E-04	8.18E-05	4.13E-03
1997	494461.06	3859451.99	0.06462	0.11676	0.0353	0.02572	2.61E-04	3.48E-03	2.25E-04	8.12E-05	4.05E-03	2.38E-04	3.76E-09	3.00E-06	2.21E-06	2.43E-04	3.02E-04	3.48E-03	2.25E-04	8.12E-05	4.09E-03
1998	494511.06	3859451.99	0.06419	0.11464	0.0354	0.02551	2.59E-04	3.42E-03	2.25E-04	8.05E-05	3.99E-03	2.36E-04	3.69E-09	3.01E-06	2.20E-06	2.41E-04	3.00E-04	3.42E-03	2.25E-04	8.05E-05	4.03E-03
1999	494561.06	3859451.99	0.06383	0.11292	0.0354	0.02531	2.58E-04	3.37E-03	2.25E-04	7.99E-05	3.93E-03	2.35E-04	3.64E-09	3.01E-06	2.18E-06	2.40E-04	2.99E-04	3.37E-03	2.25E-04	7.99E-05	3.97E-03
2000	494611.06	3859451.99	0.06359	0.11186	0.0353	0.02513	2.57E-04	3.34E-03	2.25E-04	7.93E-05	3.90E-03	2.34E-04	3.61E-09	3.00E-06	2.16E-06	2.39E-04	2.97E-04	3.34E-03	2.25E-04	7.93E-05	3.94E-03
2001	494661.06	3859451.99	0.0631	0.10966	0.0353	0.02491	2.55E-04	3.27E-03	2.25E-04	7.87E-05	3.83E-03	2.32E-04	3.53E-09	3.00E-06	2.15E-06	2.37E-04	2.95E-04	3.27E-03	2.25E-04	7.87E-05	3.87E-03
2002	494711.06	3859451.99	0.06258	0.10749	0.0353	0.02469	2.53E-04	3.21E-03	2.25E-04	7.80E-05	3.76E-03	2.30E-04	3.46E-09	3.01E-06	2.13E-06	2.35E-04	2.93E-04	3.21E-03	2.25E-04	7.80E-05	3.80E-03
2003	494761.06	3859451.99	0.06214	0.10568	0.0353	0.02448	2.51E-04	3.15E-03	2.25E-04	7.73E-05	3.71E-03	2.28E-04	3.41E-09	3.00E-06	2.11E-06	2.34E-04	2.91E-04	3.15E-03	2.25E-04	7.73E-05	3.75E-03
2004	494811.06	3859451.99	0.06144	0.10303	0.0353	0.02422	2.48E-04	3.07E-03	2.25E-04	7.65E-05	3.62E-03	2.26E-04	3.32E-09	3.00E-06	2.09E-06	2.31E-04	2.87E-04	3.07E-03	2.25E-04	7.65E-05	3.66E-03
2005	494861.06	3859451.99	0.06083	0.10085	0.0353	0.02397	2.46E-04	3.01E-03	2.25E-04	7.57E-05	3.56E-03	2.24E-04	3.25E-09	3.00E-06	2.06E-06	2.29E-04	2.84E-04	3.01E-03	2.25E-04	7.57E-05	3.59E-03
2006	494911.06	3859451.99	0.06035	0.0992	0.0352	0.02374	2.44E-04	2.96E-03	2.24E-04	7.50E-05	3.50E-03	2.22E-04	3.20E-09	2.99E-06	2.04E-06	2.27E-04	2.82E-04	2.96E-03	2.24E-04	7.50E-05	3.54E-03
2007	494961.06	3859451.99	0.06006	0.09818	0.035	0.02356	2.43E-04	2.93E-03	2.23E-04	7.44E-05	3.47E-03	2.21E-04	3.16E-09	2.98E-06	2.03E-06	2.26E-04	2.81E-04	2.93E-03	2.23E-04	7.44E-05	3.51E-03
2008	495011.06	3859451.99	0.05968	0.09694	0.0349	0.02337	2.41E-04	2.89E-03	2.23E-04	7.38E-05	3.43E-03	2.19E-04	3.12E-09	2.97E-06	2.01E-06	2.24E-04	2.79E-04	2.89E-03	2.23E-04	7.38E-05	3.47E-03
2009	495061.06	3859451.99	0.05931	0.09572	0.0348	0.02318	2.40E-04	2.86E-03	2.22E-04	7.32E-05	3.39E-03	2.18E-04	3.09E-09	2.96E-06	2.00E-06	2.23E-04	2.77E-04	2.86E-03	2.22E-04	7.32E-05	3.43E-03

2010	495111.06	3859451.99	0.05892	0.09448	0.0346	0.02298	2.38E-04	2.82E-03	2.21E-04	7.26E-05	3.35E-03	2.17E-04	3.05E-09	2.95E-06	1.98E-06	2.22E-04	2.76E-04	2.82E-03	2.21E-04	7.26E-05	3.39E-03
2011	495161.06	3859451.99	0.05874	0.09384	0.0345	0.02283	2.37E-04	2.80E-03	2.20E-04	7.21E-05	3.33E-03	2.16E-04	3.02E-09	2.93E-06	1.97E-06	2.21E-04	2.75E-04	2.80E-03	2.20E-04	7.21E-05	3.37E-03
2012	495211.06	3859451.99	0.05861	0.09339	0.0344	0.0227	2.37E-04	2.79E-03	2.19E-04	7.17E-05	3.31E-03	2.15E-04	3.01E-09	2.92E-06	1.95E-06	2.20E-04	2.74E-04	2.79E-03	2.19E-04	7.17E-05	3.35E-03
2013	495261.06	3859451.99	0.05846	0.09287	0.0342	0.02256	2.36E-04	2.77E-03	2.18E-04	7.12E-05	3.30E-03	2.15E-04	2.99E-09	2.91E-06	1.94E-06	2.20E-04	2.73E-04	2.77E-03	2.18E-04	7.12E-05	3.33E-03
2014	495311.06	3859451.99	0.05815	0.0919	0.0341	0.02239	2.35E-04	2.74E-03	2.18E-04	7.07E-05	3.27E-03	2.14E-04	2.96E-09	2.90E-06	1.93E-06	2.19E-04	2.72E-04	2.74E-03	2.18E-04	7.07E-05	3.30E-03
2015	495361.06	3859451.99	0.05791	0.09113	0.034	0.02224	2.34E-04	2.72E-03	2.17E-04	7.02E-05	3.24E-03	2.13E-04	2.94E-09	2.89E-06	1.92E-06	2.18E-04	2.71E-04	2.72E-03	2.17E-04	7.02E-05	3.28E-03
2016	495411.06	3859451.99	0.05759	0.09014	0.0339	0.02207	2.33E-04	2.69E-03	2.16E-04	6.97E-05	3.21E-03	2.12E-04	2.91E-09	2.88E-06	1.90E-06	2.17E-04	2.69E-04	2.69E-03	2.16E-04	6.97E-05	3.24E-03
2017	495461.06	3859451.99	0.05734	0.08935	0.0337	0.02191	2.32E-04	2.67E-03	2.15E-04	6.92E-05	3.18E-03	2.11E-04	2.88E-09	2.87E-06	1.89E-06	2.16E-04	2.68E-04	2.67E-03	2.15E-04	6.92E-05	3.22E-03
2018	495511.06	3859451.99	0.05674	0.08764	0.0336	0.02168	2.29E-04	2.61E-03	2.14E-04	6.85E-05	3.13E-03	2.09E-04	2.82E-09	2.86E-06	1.87E-06	2.13E-04	2.65E-04	2.61E-03	2.14E-04	6.85E-05	3.16E-03
2019	495561.06	3859451.99	0.05636	0.08654	0.0334	0.02149	2.28E-04	2.58E-03	2.13E-04	6.79E-05	3.09E-03	2.07E-04	2.79E-09	2.84E-06	1.85E-06	2.12E-04	2.64E-04	2.58E-03	2.13E-04	6.79E-05	3.13E-03
2020	495611.06	3859451.99	0.056	0.08548	0.0333	0.02131	2.26E-04	2.55E-03	2.12E-04	6.73E-05	3.06E-03	2.06E-04	2.76E-09	2.83E-06	1.84E-06	2.11E-04	2.62E-04	2.55E-03	2.12E-04	6.73E-05	3.09E-03
2021	495661.06	3859451.99	0.05566	0.08451	0.0332	0.02114	2.25E-04	2.52E-03	2.11E-04	6.67E-05	3.02E-03	2.05E-04	2.72E-09	2.82E-06	1.82E-06	2.09E-04	2.60E-04	2.52E-03	2.11E-04	6.67E-05	3.06E-03
2022	494311.06	3859501.99	0.06516	0.12636	0.0334	0.02585	2.63E-04	3.77E-03	2.13E-04	8.16E-05	4.33E-03	2.40E-04	4.07E-09	2.84E-06	2.23E-06	2.45E-04	3.05E-04	3.77E-03	2.13E-04	8.16E-05	4.37E-03
2023	494361.06	3859501.99	0.06474	0.12367	0.0336	0.02568	2.62E-04	3.69E-03	2.15E-04	8.11E-05	4.25E-03	2.38E-04	3.99E-09	2.86E-06	2.21E-06	2.43E-04	3.03E-04	3.69E-03	2.15E-04	8.11E-05	4.29E-03
2024	494411.06	3859501.99	0.06402	0.1192	0.0342	0.02548	2.59E-04	3.56E-03	2.18E-04	8.04E-05	4.11E-03	2.35E-04	3.84E-09	2.91E-06	2.19E-06	2.40E-04	2.99E-04	3.56E-03	2.18E-04	8.04E-05	4.15E-03
2025	494461.06	3859501.99	0.06395	0.11899	0.034	0.0253	2.58E-04	3.55E-03	2.17E-04	7.99E-05	4.10E-03	2.35E-04	3.84E-09	2.89E-06	2.18E-06	2.40E-04	2.99E-04	3.55E-03	2.17E-04	7.99E-05	4.15E-03
2026	494511.06	3859501.99	0.06351	0.11654	0.0341	0.02511	2.57E-04	3.48E-03	2.18E-04	7.93E-05	4.03E-03	2.33E-04	3.76E-09	2.90E-06	2.16E-06	2.39E-04	2.97E-04	3.48E-03	2.18E-04	7.93E-05	4.07E-03
2027	494561.06	3859501.99	0.06312	0.11451	0.0342	0.02492	2.55E-04	3.42E-03	2.18E-04	7.87E-05	3.97E-03	2.32E-04	3.69E-09	2.91E-06	2.15E-06	2.37E-04	2.95E-04	3.42E-03	2.18E-04	7.87E-05	4.01E-03
2028	494611.06	3859501.99	0.06308	0.11445	0.034	0.02476	2.55E-04	3.41E-03	2.17E-04	7.82E-05	3.96E-03	2.32E-04	3.69E-09	2.89E-06	2.13E-06	2.37E-04	2.95E-04	3.41E-03	2.17E-04	7.82E-05	4.00E-03
2029	494661.06	3859501.99	0.06257	0.11186	0.0342	0.02456	2.53E-04	3.34E-03	2.18E-04	7.75E-05	3.89E-03	2.30E-04	3.61E-09	2.90E-06	2.11E-06	2.35E-04	2.93E-04	3.34E-03	2.18E-04	7.75E-05	3.93E-03
2030	494711.06	3859501.99	0.06195	0.10887	0.0344	0.02434	2.50E-04	3.25E-03	2.19E-04	7.69E-05	3.79E-03	2.28E-04	3.51E-09	2.92E-06	2.10E-06	2.33E-04	2.90E-04	3.25E-03	2.19E-04	7.69E-05	3.83E-03
2031	494761.06	3859501.99	0.0618	0.1082	0.0342	0.02418	2.50E-04	3.23E-03	2.18E-04	7.63E-05	3.77E-03	2.27E-04	3.49E-09	2.91E-06	2.08E-06	2.32E-04	2.89E-04	3.23E-03	2.18E-04	7.63E-05	3.81E-03
2032	494811.06	3859501.99	0.06095	0.10456	0.0344	0.02391	2.46E-04	3.12E-03	2.20E-04	7.55E-05	3.66E-03	2.24E-04	3.37E-09	2.93E-06	2.06E-06	2.29E-04	2.85E-04	3.12E-03	2.20E-04	7.55E-05	3.70E-03
2033	494861.06	3859501.99	0.06058	0.10304	0.0344	0.02371	2.45E-04	3.07E-03	2.19E-04	7.49E-05	3.61E-03	2.23E-04	3.32E-09	2.92E-06	2.04E-06	2.28E-04	2.83E-04	3.07E-03	2.19E-04	7.49E-05	3.65E-03
2034	494911.06	3859501.99	0.06033	0.10206	0.0343	0.02354	2.44E-04	3.04E-03	2.19E-04	7.43E-05	3.58E-03	2.22E-04	3.29E-09	2.91E-06	2.03E-06	2.27E-04	2.82E-04	3.04E-03	2.19E-04	7.43E-05	3.62E-03
2035	494961.06	3859501.99	0.05984	0.10022	0.0342	0.02333	2.42E-04	2.99E-03	2.18E-04	7.37E-05	3.52E-03	2.20E-04	3.23E-09	2.91E-06	2.01E-06	2.25E-04	2.80E-04	2.99E-03	2.18E-04	7.37E-05	3.56E-03
2036	495011.06	3859501.99	0.0596	0.09932	0.0341	0.02317	2.41E-04	2.96E-03	2.18E-04	7.32E-05	3.49E-03	2.19E-04	3.20E-09	2.90E-06	2.00E-06	2.24E-04	2.79E-04	2.96E-03	2.18E-04	7.32E-05	3.53E-03
2037	495061.06	3859501.99	0.05937	0.09846	0.034	0.02301	2.40E-04	2.94E-03	2.17E-04	7.27E-05	3.47E-03	2.18E-04	3.17E-09	2.89E-06	1.98E-06	2.23E-04	2.78E-04	2.94E-03	2.17E-04	7.27E-05	3.50E-03
2038	495111.06	3859501.99	0.05888	0.09675	0.0339	0.0228	2.38E-04	2.89E-03	2.16E-04	7.20E-05	3.41E-03	2.16E-04	3.12E-09	2.88E-06	1.96E-06	2.21E-04	2.75E-04	2.89E-03	2.16E-04	7.20E-05	3.45E-03
2039	495161.06	3859501.99	0.05867	0.09598	0.0338	0.02264	2.37E-04	2.86E-03	2.15E-04	7.15E-05	3.39E-03	2.16E-04	3.09E-09	2.87E-06	1.95E-06	2.21E-04	2.74E-04	2.86E-03	2.15E-04	7.15E-05	3.42E-03
2040	495211.06	3859501.99	0.05855	0.09557	0.0336	0.02252	2.37E-04	2.85E-03	2.14E-04	7.11E-05	3.37E-03	2.15E-04	3.08E-09	2.86E-06	1.94E-06	2.20E-04	2.74E-04	2.85E-03	2.14E-04	7.11E-05	3.41E-03
2041	495261.06	3859501.99	0.05833	0.09479	0.0335	0.02237	2.36E-04	2.83E-03	2.14E-04	7.06E-05	3.35E-03	2.14E-04	3.06E-09	2.85E-06	1.93E-06	2.19E-04	2.73E-04	2.83E-03	2.14E-04	7.06E-05	3.39E-03
2042	495311.06	3859501.99	0.05815	0.09417	0.0334	0.02223	2.35E-04	2.81E-03	2.13E-04	7.02E-05	3.33E-03	2.14E-04	3.04E-09	2.84E-06	1.91E-06	2.19E-04	2.72E-04	2.81E-03	2.13E-04	7.02E-05	3.36E-03
2043	495361.06	3859501.99	0.05788	0.09326	0.0333	0.02207	2.34E-04	2.78E-03	2.12E-04	6.97E-05	3.30E-03	2.13E-04	3.01E-09	2.83E-06	1.90E-06	2.18E-04	2.71E-04	2.78E-03	2.12E-04	6.97E-05	3.33E-03
2044	495411.06	3859501.99	0.05762	0.09248	0.0331	0.02192	2.33E-04	2.76E-03	2.11E-04	6.92E-05	3.27E-03	2.12E-04	2.98E-09	2.82E-06	1.89E-06	2.17E-04	2.69E-04	2.76E-03	2.11E-04	6.92E-05	3.31E-03
2045	495461.06	3859501.99	0.05731	0.09139	0.033	0.02175	2.32E-04	2.73E-03	2.11E-04	6.87E-05	3.24E-03	2.11E-04	2.95E-09	2.81E-06	1.87E-06	2.15E-04	2.68E-04	2.73E-03	2.11E-04	6.87E-05	3.27E-03
2046	495511.06	3859501.99	0.05669	0.08918	0.033	0.02156	2.29E-04	2.66E-03	2.10E-04	6.81E-05	3.17E-03	2.08E-04	2.87E-09	2.80E-06	1.86E-06	2.13E-04	2.65E-04	2.66E-03	2.10E-04	6.81E-05	3.20E-03
2047	495561.06	3859501.99	0.05647	0.08875	0.0328	0.02138	2.28E-04	2.65E-03	2.09E-04	6.75E-05	3.15E-03	2.08E-04	2.86E-09	2.79E-06	1.84E-06	2.12E-04	2.64E-04	2.65E-03	2.09E-04	6.75E-05	3.19E-03
2048	495611.06	3859501.99	0.05609	0.08758	0.0327	0.02121	2.27E-04	2.61E-03	2.08E-04	6.70E-05	3.11E-03	2.06E-04	2.82E-09	2.78E-06	1.83E-06	2.11E-04	2.62E-04	2.61E-03	2.08E-04	6.70E-05	3.15E-03
2049	495661.06	3859501.99	0.05566	0.0863	0.0326	0.02102	2.25E-04	2.57E-03	2.08E-04	6.64E-05	3.07E-03	2.05E-04	2.78E-09	2.77E-06	1.81E-06	2.09E-04	2.60E-04	2.57E-03	2.08E-04	6.64E-05	3.11E-03
2050	494311.06	3859551.99	0.06429	0.12806	0.032	0.02536	2.60E-04	3.82E-03	2.04E-04	8.01E-05	4.36E-03	2.36E-04	4.13E-09	2.72E-06	2.18E-06	2.41E-04	3.01E-04	3.82E-03	2.04E-04	8.01E-05	4.41E-03
2051	494361.06	3859551.99	0.06387	0.12485	0.0323	0.02521	2.58E-04	3.72E-03	2.06E-04	7.96E-05	4.27E-03	2.35E-04	4.02E-09	2.75E-06	2.17E-06	2.40E-04	2.99E-04	3.72E-03	2.06E-04	7.96E-05	4.31E-03
2052	494411.06	3859551.99	0.06318	0.12019	0.033	0.02503	2.55E-04	3.59E-03	2.10E-04	7.90E-05	4.13E-03	2.32E-04	3.87E-09	2.80E-06	2.16E-06	2.37E-04	2.95E-04	3.59E-03	2.10E-04	7.90E-05	4.17E-03
2053	494461.06	3859551.99	0.06316	0.12069	0.0327	0.02485	2.55E-04	3.60E-03	2.08E-04	7.85E-05	4.14E-03	2.32E-04	3.89E-09	2.78E-06	2.14E-06	2.37E-04	2.95E-04	3.60E-03	2.08E-04	7.85E-05	4.18E-03
2054	494511.06	3859551.99	0.06277	0.11833	0.0329	0.02467	2.54E-04	3.53E-03	2.10E-04	7.79E-05	4.07E-03	2.31E-04	3.81E-09	2.80E-06	2.12E-06	2.36E-04	2.94E-04	3.53E-03	2.10E-04	7.79E-05	4.11E-03
2055	494561.06	3859551.99	0.06245	0.11654	0.033	0.0245	2.52E-04	3.48E-03	2.10E-04	7.74E-05	4.02E-03	2.30E-04	3.76E-09	2.80E-06	2.11E-06	2.35E-04	2.92E-04	3.48E-03	2.10E-04	7.74E-05	4.06E-03
2056	494611.06	3859551.99	0.06225	0.1155	0.0329	0.02433	2.52E-04	3.45E-03	2.10E-04	7.68E-05	3.98E-03	2.29E-04	3.72E-09	2.80E-06	2.10E-06	2.34E-04	2.91E-04	3.45E-03	2.10E-04	7.68E-05	4.02E-03
2057	494661.06	3859551.99	0.06196	0.11399	0.0329	0.02416	2.50E-04	3.40E-03	2.10E-04	7.63E-05	3.94E-03	2.28E-04	3.67E-09	2.80E-06	2.08E-06	2.33E-04	2.90E-04	3.40E-03	2.10E-04	7.63E-05	3.98E-03
2058	494711.06	3859551.99	0.06114	0.10949	0.0335	0.02393	2.47E-04	3.27E-03	2.13E-04	7.56E-05	3.80E-03	2.25E-04	3.53E-09	2.84E-06	2.06E-06	2.30E-04	2.86E-04	3.27E-03	2.13E-04	7.56E-05	3.84E-03
2059	494761.06	3859551.99	0.06123	0.11012	0.0331	0.0238	2.48E-04	3.29E-03	2.11E-04	7.51E-05	3.82E-03	2.25E-04	3.55E-09	2.82E-06	2.05E-06	2.30E-04	2.86E-04	3.29E-03	2.11E-04	7.51E-05	3.86E-03
2060	494811.06	3859551.99	0.0606	0.10696	0.0334	0.02359	2.45E-04	3.19E-03	2.13E-04	7.45E-05	3.72E-03	2.23E-04	3.45E-09	2.84E-06	2.03E-06	2.28E-04	2.83E-04	3.19E-03	2.13E-04	7.45E-05	3.76E-03
2061	494861.06	3859551.99	0.06028	0.1055	0.0334	0.02341	2.44E-04	3.15E-03	2.13E-04	7.39E-05	3.68E-03	2.22E-04	3.40E-09	2.84E-06	2.02E-06	2.26E-04	2.82E-04	3.15E-03	2.13E-04	7.39E-05	3.72E-03
2062	494911.06	3859551.99	0.05988	0.10376	0.0334	0.02323	2.42E-04	3.10E-03	2.13E-04	7.33E-05	3.62E-03	2.20E-04	3.34E-09	2.84E-06	2.00E-06	2.25E-04	2.80E-04	3.10E-03	2.13E-04	7.33E-05	3.66E-03
2063	494961.06	3859551.99	0.05967	0.10283	0.0333	0.02307	2.41E-04	3.07E-03	2.12E-04	7.28E-05	3.59E-03	2.19E-04	3.31E-09	2.83E-06	1.99E-06	2.24E-04	2.79E-04	3.07E-03	2.12E-04	7.28E-05	3.63E-03
2064	495011.06	3859551.99	0.05949	0.10212	0.0331	0.02292	2.40E-04	3.05E-03	2.11E-04	7.24E-05	3.57E-03	2.19E-04	3.29E-09	2.82E-06	1.97E-06	2.24E-04	2.78E-04	3.05E-03	2.11E-04	7.24E-05	3.61E-03
2065	495061.06	3859551.99	0.05918	0.10083	0.0331	0.02275	2.39E-04	3.01E-03	2.11E-04	7.18E-05	3.53E-03	2.18E-04	3.25E-09	2.81E-06	1.96E-06	2.22E-04	2.77E-04	3.01E-03	2.11E-04	7.18E-05	3.57E-03
2066	495111.06	3859551.99	0.05878	0.09923	0.033	0.02257	2.38E-04	2.96E-03	2.11E-04	7.13E-05	3.48E-03	2.16E-04	3.20E-09	2.81E-06	1.94E-06	2.21E-04	2.75E-04	2.96E-03	2.11E-04	7.13E-05	3.52E-03
2067	495161.06	3859551.99	0.05861	0.09858	0.0329	0.02243	2.37E-04	2.94E-03	2.10E-04	7.08E-05	3.46E-03	2.15E-04	3.18E-09	2.80E-06	1.93E-06	2.20E-04	2.74E-04	2.94E-03	2.10E-04	7.08E-05	3.50E-03
2068	495211.06	3859551.99	0.05849	0.09816	0.0328	0.0223	2.36E-04	2.93E-03	2.09E-04	7.04E-05	3.44E-03	2.15E-04	3.16E-09	2.79E-06	1.92E-06	2.20E-04	2.74E-04	2.93E-03	2.09E-04	7.04E-05	3.48E-03
2069	495261.06	3859551.99	0.05815	0.09689	0.0327	0.02213	2.35E-04	2.89E-03	2.09E-04	6.99E-05	3.40E-03	2.14E-04	3.12E-09	2.78E-06	1.91E-06	2.18E-04	2.72E-04	2.89E-03	2.09E-04	6.99E-05	3.44E-03
2070	495311.06	3859551.99	0.05788	0.0959	0.0326	0.02198	2.34E-04	2.86E-03	2.08E-04	6.94E-05	3.37E-03	2.13E-04	3.09E-09	2.77E-06	1.89E-06	2.17E-04	2.71E-04	2.86E-03	2.08E-04	6.94E-05	3.41E-03

2071	495361.06	3859551.99	0.05766	0.0951	0.0325	0.02183	2.33E-04	2.84E-03	2.07E-04	6.89E-05	3.35E-03	2.12E-04	3.07E-09	2.76E-06	1.88E-06	2.17E-04	2.70E-04	2.84E-03	2.07E-04	6.89E-05	3.38E-03
2072	495411.06	3859551.99	0.05748	0.09449	0.0324	0.0217	2.32E-04	2.82E-03	2.06E-04	6.85E-05	3.33E-03	2.11E-04	3.05E-09	2.75E-06	1.87E-06	2.16E-04	2.69E-04	2.82E-03	2.06E-04	6.85E-05	3.36E-03
2073	495461.06	3859551.99	0.05704	0.09292	0.0323	0.02152	2.31E-04	2.77E-03	2.06E-04	6.79E-05	3.28E-03	2.10E-04	2.99E-09	2.75E-06	1.85E-06	2.14E-04	2.67E-04	2.77E-03	2.06E-04	6.79E-05	3.31E-03
2074	495511.06	3859551.99	0.05657	0.09132	0.0322	0.02133	2.29E-04	2.72E-03	2.06E-04	6.73E-05	3.23E-03	2.08E-04	2.94E-09	2.74E-06	1.84E-06	2.13E-04	2.65E-04	2.72E-03	2.06E-04	6.73E-05	3.26E-03
2075	495561.06	3859551.99	0.05628	0.09034	0.0321	0.02118	2.27E-04	2.70E-03	2.05E-04	6.69E-05	3.19E-03	2.07E-04	2.91E-09	2.73E-06	1.82E-06	2.11E-04	2.63E-04	2.70E-03	2.05E-04	6.69E-05	3.23E-03
2076	495611.06	3859551.99	0.05598	0.08934	0.032	0.02103	2.26E-04	2.67E-03	2.04E-04	6.64E-05	3.16E-03	2.06E-04	2.88E-09	2.72E-06	1.81E-06	2.10E-04	2.62E-04	2.67E-03	2.04E-04	6.64E-05	3.20E-03
2077	495661.06	3859551.99	0.05559	0.08809	0.0319	0.02085	2.25E-04	2.63E-03	2.04E-04	6.58E-05	3.12E-03	2.04E-04	2.84E-09	2.71E-06	1.80E-06	2.09E-04	2.60E-04	2.63E-03	2.04E-04	6.58E-05	3.16E-03
2078	494311.06	3859601.99	0.06346	0.13016	0.0305	0.02483	2.57E-04	3.88E-03	1.95E-04	7.84E-05	4.41E-03	2.33E-04	4.20E-09	2.60E-06	2.14E-06	2.38E-04	2.97E-04	3.88E-03	1.95E-04	7.84E-05	4.45E-03
2079	494361.06	3859601.99	0.06285	0.12504	0.0313	0.02471	2.54E-04	3.73E-03	1.99E-04	7.80E-05	4.26E-03	2.31E-04	4.03E-09	2.66E-06	2.13E-06	2.36E-04	2.94E-04	3.73E-03	1.99E-04	7.80E-05	4.30E-03
2080	494411.06	3859601.99	0.06241	0.12224	0.0316	0.02454	2.52E-04	3.65E-03	2.02E-04	7.75E-05	4.18E-03	2.29E-04	3.94E-09	2.69E-06	2.11E-06	2.34E-04	2.92E-04	3.65E-03	2.02E-04	7.75E-05	4.22E-03
2081	494461.06	3859601.99	0.06237	0.12243	0.0313	0.02436	2.52E-04	3.65E-03	2.00E-04	7.69E-05	4.18E-03	2.29E-04	3.95E-09	2.66E-06	2.10E-06	2.34E-04	2.92E-04	3.65E-03	2.00E-04	7.69E-05	4.22E-03
2082	494511.06	3859601.99	0.06189	0.11918	0.0317	0.02421	2.50E-04	3.56E-03	2.02E-04	7.64E-05	4.08E-03	2.28E-04	3.84E-09	2.70E-06	2.08E-06	2.32E-04	2.89E-04	3.56E-03	2.02E-04	7.64E-05	4.12E-03
2083	494561.06	3859601.99	0.06179	0.11891	0.0315	0.02404	2.50E-04	3.55E-03	2.01E-04	7.59E-05	4.07E-03	2.27E-04	3.83E-09	2.68E-06	2.07E-06	2.32E-04	2.89E-04	3.55E-03	2.01E-04	7.59E-05	4.11E-03
2084	494611.06	3859601.99	0.06161	0.11798	0.0315	0.02387	2.49E-04	3.52E-03	2.01E-04	7.54E-05	4.04E-03	2.27E-04	3.80E-09	2.68E-06	2.06E-06	2.31E-04	2.88E-04	3.52E-03	2.01E-04	7.54E-05	4.08E-03
2085	494661.06	3859601.99	0.06111	0.11443	0.0319	0.02372	2.47E-04	3.41E-03	2.03E-04	7.49E-05	3.94E-03	2.25E-04	3.69E-09	2.71E-06	2.04E-06	2.29E-04	2.86E-04	3.41E-03	2.03E-04	7.49E-05	3.98E-03
2086	494711.06	3859601.99	0.06055	0.11142	0.0323	0.02353	2.45E-04	3.32E-03	2.06E-04	7.43E-05	3.85E-03	2.23E-04	3.59E-09	2.74E-06	2.03E-06	2.27E-04	2.83E-04	3.32E-03	2.06E-04	7.43E-05	3.89E-03
2087	494761.06	3859601.99	0.06074	0.11286	0.0318	0.0234	2.46E-04	3.37E-03	2.03E-04	7.39E-05	3.89E-03	2.23E-04	3.64E-09	2.70E-06	2.01E-06	2.28E-04	2.84E-04	3.37E-03	2.03E-04	7.39E-05	3.93E-03
2088	494811.06	3859601.99	0.06016	0.10949	0.0321	0.02322	2.43E-04	3.27E-03	2.05E-04	7.33E-05	3.79E-03	2.21E-04	3.53E-09	2.73E-06	2.00E-06	2.26E-04	2.81E-04	3.27E-03	2.05E-04	7.33E-05	3.83E-03
2089	494861.06	3859601.99	0.05991	0.10818	0.0321	0.02306	2.42E-04	3.23E-03	2.05E-04	7.28E-05	3.75E-03	2.20E-04	3.49E-09	2.73E-06	1.99E-06	2.25E-04	2.80E-04	3.23E-03	2.05E-04	7.28E-05	3.79E-03
2090	494911.06	3859601.99	0.05944	0.10578	0.0323	0.02288	2.40E-04	3.16E-03	2.06E-04	7.22E-05	3.67E-03	2.19E-04	3.41E-09	2.75E-06	1.97E-06	2.23E-04	2.78E-04	3.16E-03	2.06E-04	7.22E-05	3.71E-03
2091	494961.06	3859601.99	0.05945	0.10598	0.032	0.02275	2.40E-04	3.16E-03	2.04E-04	7.18E-05	3.68E-03	2.19E-04	3.42E-09	2.72E-06	1.96E-06	2.23E-04	2.78E-04	3.16E-03	2.04E-04	7.18E-05	3.72E-03
2092	495011.06	3859601.99	0.05894	0.10348	0.0322	0.02257	2.38E-04	3.09E-03	2.05E-04	7.13E-05	3.60E-03	2.17E-04	3.34E-09	2.74E-06	1.94E-06	2.21E-04	2.76E-04	3.09E-03	2.05E-04	7.13E-05	3.64E-03
2093	495061.06	3859601.99	0.05885	0.10313	0.032	0.02244	2.38E-04	3.08E-03	2.04E-04	7.09E-05	3.59E-03	2.16E-04	3.32E-09	2.72E-06	1.93E-06	2.21E-04	2.75E-04	3.08E-03	2.04E-04	7.09E-05	3.63E-03
2094	495111.06	3859601.99	0.05846	0.10137	0.0321	0.02227	2.36E-04	3.02E-03	2.05E-04	7.03E-05	3.54E-03	2.15E-04	3.27E-09	2.73E-06	1.92E-06	2.20E-04	2.73E-04	3.02E-03	2.05E-04	7.03E-05	3.57E-03
2095	495161.06	3859601.99	0.05831	0.10078	0.032	0.02213	2.36E-04	3.01E-03	2.04E-04	6.99E-05	3.52E-03	2.14E-04	3.25E-09	2.72E-06	1.91E-06	2.19E-04	2.73E-04	3.01E-03	2.04E-04	6.99E-05	3.55E-03
2096	495211.06	3859601.99	0.05808	0.09979	0.0319	0.02199	2.35E-04	2.98E-03	2.03E-04	6.94E-05	3.48E-03	2.14E-04	3.22E-09	2.71E-06	1.89E-06	2.18E-04	2.72E-04	2.98E-03	2.03E-04	6.94E-05	3.52E-03
2097	495261.06	3859601.99	0.05788	0.09903	0.0318	0.02185	2.34E-04	2.95E-03	2.03E-04	6.90E-05	3.46E-03	2.13E-04	3.19E-09	2.70E-06	1.88E-06	2.17E-04	2.71E-04	2.95E-03	2.03E-04	6.90E-05	3.50E-03
2098	495311.06	3859601.99	0.05771	0.09836	0.0317	0.02171	2.33E-04	2.93E-03	2.02E-04	6.85E-05	3.44E-03	2.12E-04	3.17E-09	2.69E-06	1.87E-06	2.17E-04	2.70E-04	2.93E-03	2.02E-04	6.85E-05	3.47E-03
2099	495361.06	3859601.99	0.05744	0.09728	0.0316	0.02157	2.32E-04	2.90E-03	2.02E-04	6.81E-05	3.40E-03	2.11E-04	3.14E-09	2.69E-06	1.86E-06	2.16E-04	2.69E-04	2.90E-03	2.02E-04	6.81E-05	3.44E-03
2100	495411.06	3859601.99	0.05724	0.09657	0.0315	0.02144	2.31E-04	2.88E-03	2.01E-04	6.77E-05	3.38E-03	2.10E-04	3.11E-09	2.68E-06	1.85E-06	2.15E-04	2.68E-04	2.88E-03	2.01E-04	6.77E-05	3.42E-03
2101	495461.06	3859601.99	0.05676	0.09462	0.0315	0.02126	2.29E-04	2.82E-03	2.01E-04	6.71E-05	3.32E-03	2.09E-04	3.05E-09	2.68E-06	1.83E-06	2.13E-04	2.65E-04	2.82E-03	2.01E-04	6.71E-05	3.36E-03
2102	495511.06	3859601.99	0.05631	0.09289	0.0315	0.02108	2.28E-04	2.77E-03	2.01E-04	6.66E-05	3.27E-03	2.07E-04	2.99E-09	2.68E-06	1.82E-06	2.12E-04	2.63E-04	2.77E-03	2.01E-04	6.66E-05	3.30E-03
2103	495561.06	3859601.99	0.05619	0.09251	0.0314	0.02097	2.27E-04	2.76E-03	2.00E-04	6.62E-05	3.25E-03	2.07E-04	2.98E-09	2.67E-06	1.81E-06	2.11E-04	2.63E-04	2.76E-03	2.00E-04	6.62E-05	3.29E-03
2104	495611.06	3859601.99	0.05566	0.09057	0.0314	0.02078	2.25E-04	2.70E-03	2.00E-04	6.56E-05	3.19E-03	2.05E-04	2.92E-09	2.67E-06	1.79E-06	2.09E-04	2.60E-04	2.70E-03	2.00E-04	6.56E-05	3.23E-03
2105	495661.06	3859601.99	0.05545	0.08989	0.0313	0.02065	2.24E-04	2.68E-03	1.99E-04	6.52E-05	3.17E-03	2.04E-04	2.90E-09	2.66E-06	1.78E-06	2.08E-04	2.59E-04	2.68E-03	1.99E-04	6.52E-05	3.21E-03
2106	494311.06	3859651.99	0.06251	0.13068	0.0293	0.02432	2.53E-04	3.90E-03	1.87E-04	7.68E-05	4.42E-03	2.30E-04	4.21E-09	2.49E-06	2.09E-06	2.34E-04	2.92E-04	3.90E-03	1.87E-04	7.68E-05	4.45E-03
2107	494361.06	3859651.99	0.06195	0.12605	0.03	0.0242	2.50E-04	3.76E-03	1.91E-04	7.64E-05	4.28E-03	2.28E-04	4.06E-09	2.55E-06	2.08E-06	2.32E-04	2.90E-04	3.76E-03	1.91E-04	7.64E-05	4.32E-03
2108	494411.06	3859651.99	0.06167	0.12427	0.0301	0.02404	2.49E-04	3.71E-03	1.92E-04	7.59E-05	4.22E-03	2.27E-04	4.01E-09	2.56E-06	2.07E-06	2.31E-04	2.88E-04	3.71E-03	1.92E-04	7.59E-05	4.26E-03
2109	494461.06	3859651.99	0.06159	0.12431	0.0299	0.02386	2.49E-04	3.71E-03	1.91E-04	7.53E-05	4.22E-03	2.26E-04	4.01E-09	2.54E-06	2.05E-06	2.31E-04	2.88E-04	3.71E-03	1.91E-04	7.53E-05	4.26E-03
2110	494511.06	3859651.99	0.0613	0.12235	0.0301	0.02371	2.48E-04	3.65E-03	1.92E-04	7.49E-05	4.16E-03	2.25E-04	3.94E-09	2.56E-06	2.04E-06	2.30E-04	2.87E-04	3.65E-03	1.92E-04	7.49E-05	4.20E-03
2111	494561.06	3859651.99	0.06108	0.12113	0.0301	0.02355	2.47E-04	3.61E-03	1.92E-04	7.44E-05	4.13E-03	2.25E-04	3.90E-09	2.56E-06	2.03E-06	2.29E-04	2.86E-04	3.61E-03	1.92E-04	7.44E-05	4.17E-03
2112	494611.06	3859651.99	0.06086	0.11979	0.0301	0.02339	2.46E-04	3.57E-03	1.92E-04	7.39E-05	4.09E-03	2.24E-04	3.86E-09	2.56E-06	2.01E-06	2.28E-04	2.85E-04	3.57E-03	1.92E-04	7.39E-05	4.12E-03
2113	494661.06	3859651.99	0.06035	0.11583	0.0307	0.02326	2.44E-04	3.46E-03	1.96E-04	7.34E-05	3.97E-03	2.22E-04	3.73E-09	2.61E-06	2.00E-06	2.26E-04	2.82E-04	3.46E-03	1.96E-04	7.34E-05	4.01E-03
2114	494711.06	3859651.99	0.06014	0.11468	0.0307	0.02311	2.43E-04	3.42E-03	1.96E-04	7.30E-05	3.93E-03	2.21E-04	3.70E-09	2.61E-06	1.99E-06	2.26E-04	2.81E-04	3.42E-03	1.96E-04	7.30E-05	3.97E-03
2115	494761.06	3859651.99	0.05995	0.11396	0.0306	0.02295	2.42E-04	3.40E-03	1.95E-04	7.25E-05	3.91E-03	2.20E-04	3.67E-09	2.60E-06	1.98E-06	2.25E-04	2.80E-04	3.40E-03	1.95E-04	7.25E-05	3.95E-03
2116	494811.06	3859651.99	0.05959	0.11174	0.0308	0.0228	2.41E-04	3.33E-03	1.97E-04	7.20E-05	3.84E-03	2.19E-04	3.60E-09	2.62E-06	1.96E-06	2.24E-04	2.79E-04	3.33E-03	1.97E-04	7.20E-05	3.88E-03
2117	494861.06	3859651.99	0.05939	0.11067	0.0308	0.02265	2.40E-04	3.30E-03	1.97E-04	7.15E-05	3.81E-03	2.18E-04	3.57E-09	2.62E-06	1.95E-06	2.23E-04	2.78E-04	3.30E-03	1.97E-04	7.15E-05	3.85E-03
2118	494911.06	3859651.99	0.05911	0.10908	0.0309	0.0225	2.39E-04	3.25E-03	1.97E-04	7.10E-05	3.76E-03	2.17E-04	3.52E-09	2.63E-06	1.94E-06	2.22E-04	2.76E-04	3.25E-03	1.97E-04	7.10E-05	3.80E-03
2119	494961.06	3859651.99	0.05889	0.10791	0.0309	0.02236	2.38E-04	3.22E-03	1.97E-04	7.06E-05	3.72E-03	2.17E-04	3.48E-09	2.63E-06	1.93E-06	2.21E-04	2.75E-04	3.22E-03	1.97E-04	7.06E-05	3.76E-03
2120	495011.06	3859651.99	0.05862	0.10646	0.0309	0.02221	2.37E-04	3.18E-03	1.97E-04	7.01E-05	3.68E-03	2.16E-04	3.43E-09	2.63E-06	1.91E-06	2.20E-04	2.74E-04	3.18E-03	1.97E-04	7.01E-05	3.72E-03
2121	495061.06	3859651.99	0.05844	0.10562	0.0308	0.02207	2.36E-04	3.15E-03	1.97E-04	6.97E-05	3.65E-03	2.15E-04	3.40E-09	2.62E-06	1.90E-06	2.19E-04	2.73E-04	3.15E-03	1.97E-04	6.97E-05	3.69E-03
2122	495111.06	3859651.99	0.05815	0.10408	0.0309	0.02193	2.35E-04	3.11E-03	1.97E-04	6.92E-05	3.61E-03	2.14E-04	3.35E-09	2.63E-06	1.89E-06	2.18E-04	2.72E-04	3.11E-03	1.97E-04	6.92E-05	3.64E-03
2123	495161.06	3859651.99	0.05792	0.10301	0.0309	0.02179	2.34E-04	3.07E-03	1.97E-04	6.88E-05	3.57E-03	2.13E-04	3.32E-09	2.62E-06	1.88E-06	2.17E-04	2.71E-04	3.07E-03	1.97E-04	6.88E-05	3.61E-03
2124	495211.06	3859651.99	0.05774	0.10221	0.0308	0.02165	2.33E-04	3.05E-03	1.96E-04	6.84E-05	3.55E-03	2.12E-04	3.29E-09	2.62E-06	1.86E-06	2.17E-04	2.70E-04	3.05E-03	1.96E-04	6.84E-05	3.58E-03
2125	495261.06	3859651.99	0.0575	0.10109	0.0308	0.02151	2.32E-04	3.02E-03	1.96E-04	6.79E-05	3.51E-03	2.11E-04	3.26E-09	2.62E-06	1.85E-06	2.16E-04	2.69E-04	3.02E-03	1.96E-04	6.79E-05	3.55E-03
2126	495311.06	3859651.99	0.05729	0.10018	0.0307	0.02138	2.32E-04	2.99E-03	1.96E-04	6.75E-05	3.48E-03	2.11E-04	3.23E-09	2.61E-06	1.84E-06	2.15E-04	2.68E-04	2.99E-03	1.96E-04	6.75E-05	3.52E-03
2127	495361.06	3859651.99	0.05709	0.09937	0.0306	0.02125	2.31E-04	2.96E-03	1.95E-04	6.71E-05	3.46E-03	2.10E-04	3.20E-09	2.60E-06	1.83E-06	2.14E-04	2.67E-04	2.96E-03	1.95E-04	6.71E-05	3.49E-03
2128	495411.06	3859651.99	0.05684	0.0983	0.0306	0.02112	2.30E-04	2.93E-03	1.95E-04	6.67E-05	3.42E-03	2.09E-04	3.17E-09	2.60E-06	1.82E-06	2.13E-04	2.66E-04	2.93E-03	1.95E-04	6.67E-05	3.46E-03
2129	495461.06	3859651.99	0.05642	0.09639	0.0307	0.02096	2.28E-04	2.88E-03	1.96E-04	6.62E-05	3.37E-03	2.07E-04	3.11E-09	2.61E-06	1.80E-06	2.12E-04	2.64E-04	2.88E-03	1.96E-04	6.62E-05	3.40E-03
2130	495511.06	3859651.99	0.05604	0.09478	0.0307	0.02081	2.27E-04	2.83E-03	1.96E-04	6.57E-05	3.32E-03	2.06E-04	3.05E-09	2.61E-06	1.79E-06	2.10E-04	2.62E-04	2.83E-03	1.96E-04	6.57E-05	3.35E-03
2131	495561.06	3859651.99	0.05583	0.09399	0.0306	0.02068	2.26E-04	2.80E-03	1.95E-04	6.53E-05	3.29E-03	2.05E-04	3.03E-09	2.60E-06	1.78E-06	2.10E-04	2.61E-04	2.80E-03	1.95E-04	6.53E-05	3.33E-03

2132	495611.06	3859651.99	0.05553	0.09283	0.0306	0.02055	2.24E-04	2.77E-03	1.95E-04	6.49E-05	3.25E-03	2.04E-04	2.99E-09	2.60E-06	1.77E-06	2.09E-04	2.60E-04	2.77E-03	1.95E-04	6.49E-05	3.29E-03
2133	495661.06	3859651.99	0.0552	0.09155	0.0305	0.0204	2.23E-04	2.73E-03	1.95E-04	6.44E-05	3.21E-03	2.03E-04	2.95E-09	2.60E-06	1.76E-06	2.07E-04	2.58E-04	2.73E-03	1.95E-04	6.44E-05	3.25E-03
2134	494311.06	3859701.99	0.06136	0.12835	0.0286	0.02385	2.48E-04	3.83E-03	1.82E-04	7.53E-05	4.33E-03	2.26E-04	4.14E-09	2.43E-06	2.05E-06	2.30E-04	2.87E-04	3.83E-03	1.82E-04	7.53E-05	4.37E-03
2135	494361.06	3859701.99	0.06103	0.12629	0.0288	0.0237	2.47E-04	3.77E-03	1.84E-04	7.48E-05	4.27E-03	2.24E-04	4.07E-09	2.45E-06	2.04E-06	2.29E-04	2.85E-04	3.77E-03	1.84E-04	7.48E-05	4.31E-03
2136	494411.06	3859701.99	0.06083	0.12531	0.0288	0.02353	2.46E-04	3.74E-03	1.84E-04	7.43E-05	4.24E-03	2.24E-04	4.04E-09	2.45E-06	2.03E-06	2.28E-04	2.84E-04	3.74E-03	1.84E-04	7.43E-05	4.28E-03
2137	494461.06	3859701.99	0.0608	0.12599	0.0285	0.02334	2.46E-04	3.76E-03	1.82E-04	7.37E-05	4.26E-03	2.24E-04	4.06E-09	2.42E-06	2.01E-06	2.28E-04	2.84E-04	3.76E-03	1.82E-04	7.37E-05	4.30E-03
2138	494511.06	3859701.99	0.06055	0.12431	0.0286	0.02319	2.45E-04	3.71E-03	1.83E-04	7.32E-05	4.21E-03	2.23E-04	4.01E-09	2.43E-06	2.00E-06	2.27E-04	2.83E-04	3.71E-03	1.83E-04	7.32E-05	4.25E-03
2139	494561.06	3859701.99	0.06035	0.12318	0.0286	0.02303	2.44E-04	3.67E-03	1.83E-04	7.27E-05	4.17E-03	2.22E-04	3.97E-09	2.44E-06	1.98E-06	2.26E-04	2.82E-04	3.67E-03	1.83E-04	7.27E-05	4.21E-03
2140	494611.06	3859701.99	0.06013	0.12193	0.0287	0.02288	2.43E-04	3.64E-03	1.83E-04	7.22E-05	4.14E-03	2.21E-04	3.93E-09	2.44E-06	1.97E-06	2.25E-04	2.81E-04	3.64E-03	1.83E-04	7.22E-05	4.17E-03
2141	494661.06	3859701.99	0.05959	0.11758	0.0294	0.02278	2.41E-04	3.51E-03	1.87E-04	7.19E-05	4.01E-03	2.19E-04	3.79E-09	2.50E-06	1.96E-06	2.24E-04	2.79E-04	3.51E-03	1.87E-04	7.19E-05	4.05E-03
2142	494711.06	3859701.99	0.05948	0.11718	0.0292	0.02262	2.40E-04	3.50E-03	1.86E-04	7.14E-05	3.99E-03	2.19E-04	3.78E-09	2.49E-06	1.95E-06	2.23E-04	2.78E-04	3.50E-03	1.86E-04	7.14E-05	4.03E-03
2143	494761.06	3859701.99	0.05918	0.11521	0.0294	0.02248	2.39E-04	3.44E-03	1.88E-04	7.10E-05	3.93E-03	2.18E-04	3.71E-09	2.50E-06	1.94E-06	2.22E-04	2.77E-04	3.44E-03	1.88E-04	7.10E-05	3.97E-03
2144	494811.06	3859701.99	0.05888	0.1132	0.0296	0.02235	2.38E-04	3.38E-03	1.89E-04	7.06E-05	3.87E-03	2.16E-04	3.65E-09	2.52E-06	1.92E-06	2.21E-04	2.75E-04	3.38E-03	1.89E-04	7.06E-05	3.91E-03
2145	494861.06	3859701.99	0.05879	0.11299	0.0294	0.0222	2.38E-04	3.37E-03	1.88E-04	7.01E-05	3.87E-03	2.16E-04	3.64E-09	2.50E-06	1.91E-06	2.21E-04	2.75E-04	3.37E-03	1.88E-04	7.01E-05	3.90E-03
2146	494911.06	3859701.99	0.05853	0.11137	0.0295	0.02206	2.37E-04	3.32E-03	1.88E-04	6.97E-05	3.82E-03	2.15E-04	3.59E-09	2.51E-06	1.90E-06	2.20E-04	2.74E-04	3.32E-03	1.88E-04	6.97E-05	3.85E-03
2147	494961.06	3859701.99	0.05828	0.10983	0.0296	0.02193	2.36E-04	3.28E-03	1.89E-04	6.92E-05	3.77E-03	2.14E-04	3.54E-09	2.52E-06	1.89E-06	2.19E-04	2.73E-04	3.28E-03	1.89E-04	6.92E-05	3.81E-03
2148	495011.06	3859701.99	0.05811	0.10898	0.0296	0.02179	2.35E-04	3.25E-03	1.89E-04	6.88E-05	3.74E-03	2.14E-04	3.51E-09	2.52E-06	1.88E-06	2.18E-04	2.72E-04	3.25E-03	1.89E-04	6.88E-05	3.78E-03
2149	495061.06	3859701.99	0.05789	0.10774	0.0296	0.02166	2.34E-04	3.21E-03	1.89E-04	6.84E-05	3.71E-03	2.13E-04	3.47E-09	2.52E-06	1.87E-06	2.17E-04	2.71E-04	3.21E-03	1.89E-04	6.84E-05	3.74E-03
2150	495111.06	3859701.99	0.05766	0.10648	0.0296	0.02153	2.33E-04	3.18E-03	1.89E-04	6.80E-05	3.67E-03	2.12E-04	3.43E-09	2.52E-06	1.85E-06	2.16E-04	2.70E-04	3.18E-03	1.89E-04	6.80E-05	3.70E-03
2151	495161.06	3859701.99	0.05741	0.10509	0.0297	0.0214	2.32E-04	3.14E-03	1.89E-04	6.76E-05	3.62E-03	2.11E-04	3.39E-09	2.53E-06	1.84E-06	2.15E-04	2.68E-04	3.14E-03	1.89E-04	6.76E-05	3.66E-03
2152	495211.06	3859701.99	0.05714	0.10365	0.0298	0.02127	2.31E-04	3.09E-03	1.90E-04	6.72E-05	3.58E-03	2.10E-04	3.34E-09	2.53E-06	1.83E-06	2.14E-04	2.67E-04	3.09E-03	1.90E-04	6.72E-05	3.62E-03
2153	495261.06	3859701.99	0.05704	0.1033	0.0296	0.02114	2.31E-04	3.08E-03	1.89E-04	6.67E-05	3.57E-03	2.10E-04	3.33E-09	2.52E-06	1.82E-06	2.14E-04	2.67E-04	3.08E-03	1.89E-04	6.67E-05	3.60E-03
2154	495311.06	3859701.99	0.05679	0.102	0.0296	0.02101	2.30E-04	3.04E-03	1.89E-04	6.63E-05	3.53E-03	2.09E-04	3.29E-09	2.52E-06	1.81E-06	2.13E-04	2.66E-04	3.04E-03	1.89E-04	6.63E-05	3.56E-03
2155	495361.06	3859701.99	0.05655	0.10076	0.0297	0.02089	2.29E-04	3.01E-03	1.89E-04	6.60E-05	3.49E-03	2.08E-04	3.25E-09	2.52E-06	1.80E-06	2.12E-04	2.64E-04	3.01E-03	1.89E-04	6.60E-05	3.53E-03
2156	495411.06	3859701.99	0.05623	0.09915	0.0297	0.02075	2.27E-04	2.96E-03	1.90E-04	6.55E-05	3.44E-03	2.07E-04	3.20E-09	2.53E-06	1.79E-06	2.11E-04	2.63E-04	2.96E-03	1.90E-04	6.55E-05	3.48E-03
2157	495461.06	3859701.99	0.05596	0.09791	0.0298	0.02063	2.26E-04	2.92E-03	1.90E-04	6.51E-05	3.40E-03	2.06E-04	3.16E-09	2.53E-06	1.78E-06	2.10E-04	2.62E-04	2.92E-03	1.90E-04	6.51E-05	3.44E-03
2158	495511.06	3859701.99	0.0555	0.09565	0.0299	0.02048	2.24E-04	2.85E-03	1.91E-04	6.47E-05	3.33E-03	2.04E-04	3.08E-09	2.54E-06	1.76E-06	2.08E-04	2.60E-04	2.85E-03	1.91E-04	6.47E-05	3.37E-03
2159	495561.06	3859701.99	0.05545	0.09562	0.0297	0.02037	2.24E-04	2.85E-03	1.90E-04	6.43E-05	3.33E-03	2.04E-04	3.08E-09	2.53E-06	1.75E-06	2.08E-04	2.59E-04	2.85E-03	1.90E-04	6.43E-05	3.37E-03
2160	495611.06	3859701.99	0.05519	0.09452	0.0297	0.02025	2.23E-04	2.82E-03	1.89E-04	6.39E-05	3.30E-03	2.03E-04	3.05E-09	2.53E-06	1.74E-06	2.07E-04	2.58E-04	2.82E-03	1.89E-04	6.39E-05	3.33E-03
2161	495661.06	3859701.99	0.0549	0.09332	0.0297	0.02012	2.22E-04	2.78E-03	1.89E-04	6.35E-05	3.26E-03	2.02E-04	3.01E-09	2.53E-06	1.73E-06	2.06E-04	2.57E-04	2.78E-03	1.89E-04	6.35E-05	3.29E-03
2162	494311.06	3859751.99	0.06065	0.13072	0.0271	0.0233	2.45E-04	3.90E-03	1.73E-04	7.36E-05	4.39E-03	2.23E-04	4.21E-09	2.30E-06	2.01E-06	2.27E-04	2.84E-04	3.90E-03	1.73E-04	7.36E-05	4.43E-03
2163	494361.06	3859751.99	0.06038	0.129	0.0272	0.02315	2.44E-04	3.85E-03	1.73E-04	7.31E-05	4.34E-03	2.22E-04	4.16E-09	2.31E-06	1.99E-06	2.26E-04	2.82E-04	3.85E-03	1.73E-04	7.31E-05	4.38E-03
2164	494411.06	3859751.99	0.06008	0.12688	0.0274	0.02301	2.43E-04	3.79E-03	1.75E-04	7.27E-05	4.28E-03	2.21E-04	4.09E-09	2.33E-06	1.98E-06	2.25E-04	2.81E-04	3.79E-03	1.75E-04	7.27E-05	4.31E-03
2165	494461.06	3859751.99	0.05998	0.12707	0.0272	0.02282	2.42E-04	3.79E-03	1.74E-04	7.21E-05	4.28E-03	2.21E-04	4.10E-09	2.31E-06	1.97E-06	2.25E-04	2.81E-04	3.79E-03	1.74E-04	7.21E-05	4.32E-03
2166	494511.06	3859751.99	0.05983	0.12653	0.0271	0.02266	2.42E-04	3.77E-03	1.73E-04	7.15E-05	4.26E-03	2.20E-04	4.08E-09	2.31E-06	1.95E-06	2.24E-04	2.80E-04	3.77E-03	1.73E-04	7.15E-05	4.30E-03
2167	494561.06	3859751.99	0.05959	0.12495	0.0273	0.02251	2.41E-04	3.73E-03	1.74E-04	7.11E-05	4.21E-03	2.19E-04	4.03E-09	2.32E-06	1.94E-06	2.23E-04	2.79E-04	3.73E-03	1.74E-04	7.11E-05	4.25E-03
2168	494611.06	3859751.99	0.0593	0.12287	0.0275	0.02239	2.40E-04	3.67E-03	1.75E-04	7.07E-05	4.15E-03	2.18E-04	3.96E-09	2.34E-06	1.93E-06	2.22E-04	2.77E-04	3.67E-03	1.75E-04	7.07E-05	4.19E-03
2169	494661.06	3859751.99	0.05893	0.11957	0.0279	0.02228	2.38E-04	3.57E-03	1.78E-04	7.03E-05	4.05E-03	2.17E-04	3.85E-09	2.37E-06	1.92E-06	2.21E-04	2.76E-04	3.57E-03	1.78E-04	7.03E-05	4.09E-03
2170	494711.06	3859751.99	0.05878	0.11919	0.0278	0.02213	2.38E-04	3.56E-03	1.77E-04	6.99E-05	4.04E-03	2.16E-04	3.84E-09	2.36E-06	1.91E-06	2.20E-04	2.75E-04	3.56E-03	1.77E-04	6.99E-05	4.08E-03
2171	494761.06	3859751.99	0.05859	0.11813	0.0278	0.02198	2.37E-04	3.52E-03	1.77E-04	6.94E-05	4.01E-03	2.15E-04	3.81E-09	2.37E-06	1.89E-06	2.20E-04	2.74E-04	3.52E-03	1.77E-04	6.94E-05	4.05E-03
2172	494811.06	3859751.99	0.05833	0.11633	0.028	0.02186	2.36E-04	3.47E-03	1.79E-04	6.90E-05	3.95E-03	2.14E-04	3.75E-09	2.38E-06	1.88E-06	2.19E-04	2.73E-04	3.47E-03	1.79E-04	6.90E-05	3.99E-03
2173	494861.06	3859751.99	0.05813	0.1151	0.028	0.02173	2.35E-04	3.43E-03	1.79E-04	6.86E-05	3.92E-03	2.14E-04	3.71E-09	2.38E-06	1.87E-06	2.18E-04	2.72E-04	3.43E-03	1.79E-04	6.86E-05	3.95E-03
2174	494911.06	3859751.99	0.05792	0.11382	0.0281	0.0216	2.34E-04	3.40E-03	1.79E-04	6.82E-05	3.88E-03	2.13E-04	3.67E-09	2.39E-06	1.86E-06	2.17E-04	2.71E-04	3.40E-03	1.79E-04	6.82E-05	3.91E-03
2175	494961.06	3859751.99	0.05772	0.11258	0.0282	0.02147	2.33E-04	3.36E-03	1.80E-04	6.78E-05	3.84E-03	2.12E-04	3.63E-09	2.39E-06	1.85E-06	2.16E-04	2.70E-04	3.36E-03	1.80E-04	6.78E-05	3.88E-03
2176	495011.06	3859751.99	0.0575	0.1112	0.0282	0.02134	2.32E-04	3.32E-03	1.80E-04	6.74E-05	3.80E-03	2.11E-04	3.58E-09	2.40E-06	1.84E-06	2.16E-04	2.69E-04	3.32E-03	1.80E-04	6.74E-05	3.83E-03
2177	495061.06	3859751.99	0.05733	0.1103	0.0282	0.02121	2.32E-04	3.29E-03	1.80E-04	6.70E-05	3.77E-03	2.11E-04	3.56E-09	2.40E-06	1.83E-06	2.15E-04	2.68E-04	3.29E-03	1.80E-04	6.70E-05	3.81E-03
2178	495111.06	3859751.99	0.05712	0.10899	0.0283	0.02109	2.31E-04	3.25E-03	1.80E-04	6.66E-05	3.73E-03	2.10E-04	3.51E-09	2.40E-06	1.82E-06	2.14E-04	2.67E-04	3.25E-03	1.80E-04	6.66E-05	3.77E-03
2179	495161.06	3859751.99	0.05688	0.10753	0.0284	0.02097	2.30E-04	3.21E-03	1.81E-04	6.62E-05	3.69E-03	2.09E-04	3.47E-09	2.41E-06	1.81E-06	2.13E-04	2.66E-04	3.21E-03	1.81E-04	6.62E-05	3.72E-03
2180	495211.06	3859751.99	0.05664	0.10603	0.0285	0.02085	2.29E-04	3.16E-03	1.82E-04	6.58E-05	3.64E-03	2.08E-04	3.42E-09	2.42E-06	1.80E-06	2.12E-04	2.65E-04	3.16E-03	1.82E-04	6.58E-05	3.68E-03
2181	495261.06	3859751.99	0.05646	0.10509	0.0285	0.02073	2.28E-04	3.14E-03	1.81E-04	6.55E-05	3.61E-03	2.08E-04	3.39E-09	2.42E-06	1.79E-06	2.12E-04	2.64E-04	3.14E-03	1.81E-04	6.55E-05	3.65E-03
2182	495311.06	3859751.99	0.05623	0.10379	0.0285	0.02061	2.27E-04	3.10E-03	1.82E-04	6.51E-05	3.57E-03	2.07E-04	3.35E-09	2.42E-06	1.77E-06	2.11E-04	2.63E-04	3.10E-03	1.82E-04	6.51E-05	3.61E-03
2183	495361.06	3859751.99	0.05601	0.10262	0.0285	0.0205	2.26E-04	3.06E-03	1.82E-04	6.47E-05	3.53E-03	2.06E-04	3.31E-09	2.43E-06	1.77E-06	2.10E-04	2.62E-04	3.06E-03	1.82E-04	6.47E-05	3.57E-03
2184	495411.06	3859751.99	0.0558	0.1015	0.0286	0.02038	2.26E-04	3.03E-03	1.82E-04	6.43E-05	3.50E-03	2.05E-04	3.27E-09	2.43E-06	1.75E-06	2.09E-04	2.61E-04	3.03E-03	1.82E-04	6.43E-05	3.54E-03
2185	495461.06	3859751.99	0.0555	0.09983	0.0287	0.02027	2.24E-04	2.98E-03	1.83E-04	6.40E-05	3.45E-03	2.04E-04	3.22E-09	2.44E-06	1.75E-06	2.08E-04	2.60E-04	2.98E-03	1.83E-04	6.40E-05	3.48E-03
2186	495511.06	3859751.99	0.05519	0.09817	0.0288	0.02015	2.23E-04	2.93E-03	1.84E-04	6.36E-05	3.40E-03	2.03E-04	3.16E-09	2.45E-06	1.74E-06	2.07E-04	2.58E-04	2.93E-03	1.84E-04	6.36E-05	3.43E-03
2187	495561.06	3859751.99	0.05496	0.09701	0.0288	0.02003	2.22E-04	2.89E-03	1.84E-04	6.32E-05	3.36E-03	2.02E-04	3.13E-09	2.45E-06	1.72E-06	2.06E-04	2.57E-04	2.89E-03	1.84E-04	6.32E-05	3.40E-03
2188	495611.06	3859751.99	0.05473	0.09593	0.0288	0.01991	2.21E-04	2.86E-03	1.84E-04	6.29E-05	3.33E-03	2.01E-04	3.09E-09	2.45E-06	1.71E-06	2.05E-04	2.56E-04	2.86E-03	1.84E-04	6.29E-05	3.36E-03
2189	495661.06	3859751.99	0.05454	0.09514	0.0288	0.0198	2.20E-04	2.84E-03	1.83E-04	6.25E-05	3.30E-03	2.01E-04	3.07E-09	2.45E-06	1.70E-06	2.05E-04	2.55E-04	2.84E-03	1.83E-04	6.25E-05	3.34E-03
2190	494311.06	3859801.99	0.05995	0.13298	0.0256	0.02274	2.42E-04	3.97E-03	1.63E-04	7.18E-05	4.44E-03	2.20E-04	4.29E-09	2.18E-06	1.96E-06	2.25E-04	2.80E-04	3.97E-03	1.63E-04	7.18E-05	4.48E-03
2191	494361.06	3859801.99	0.05963	0.13052	0.0258	0.02261	2.41E-04	3.89E-03	1.65E-04	7.14E-05	4.37E-03	2.19E-04	4.21E-09	2.20E-06	1.95E-06	2.23E-04	2.79E-04	3.89E-03	1.65E-04	7.14E-05	4.41E-03
2192	494411.06	3859801.99	0.0593	0.12795	0.0261	0.02249	2.40E-04	3.82E-03	1.67E-04	7.10E-05	4.29E-03	2.18E-04	4.12E-09	2.22E-06	1.94E-06	2.22E-04	2.77E-04	3.82E-03	1.67E-04	7.10E-05	4.33E-03

2193	494461.06	3859801.99	0.05918	0.12793	0.026	0.02231	2.39E-04	3.82E-03	1.66E-04	7.04E-05	4.29E-03	2.18E-04	4.12E-09	2.21E-06	1.92E-06	2.22E-04	2.77E-04	3.82E-03	1.66E-04	7.04E-05	4.33E-03
2194	494511.06	3859801.99	0.05907	0.1281	0.0258	0.02213	2.39E-04	3.82E-03	1.65E-04	6.99E-05	4.29E-03	2.17E-04	4.13E-09	2.20E-06	1.91E-06	2.21E-04	2.76E-04	3.82E-03	1.65E-04	6.99E-05	4.33E-03
2195	494561.06	3859801.99	0.05884	0.12661	0.0259	0.02199	2.38E-04	3.78E-03	1.65E-04	6.94E-05	4.25E-03	2.16E-04	4.08E-09	2.20E-06	1.89E-06	2.20E-04	2.75E-04	3.78E-03	1.65E-04	6.94E-05	4.29E-03
2196	494611.06	3859801.99	0.05848	0.12357	0.0263	0.02189	2.36E-04	3.69E-03	1.68E-04	6.91E-05	4.16E-03	2.15E-04	3.98E-09	2.24E-06	1.88E-06	2.19E-04	2.73E-04	3.69E-03	1.68E-04	6.91E-05	4.20E-03
2197	494661.06	3859801.99	0.05824	0.12189	0.0264	0.02176	2.35E-04	3.64E-03	1.69E-04	6.87E-05	4.11E-03	2.14E-04	3.93E-09	2.25E-06	1.87E-06	2.18E-04	2.72E-04	3.64E-03	1.69E-04	6.87E-05	4.15E-03
2198	494711.06	3859801.99	0.05796	0.1198	0.0267	0.02165	2.34E-04	3.57E-03	1.70E-04	6.84E-05	4.05E-03	2.13E-04	3.86E-09	2.27E-06	1.86E-06	2.17E-04	2.71E-04	3.57E-03	1.70E-04	6.84E-05	4.08E-03
2199	494761.06	3859801.99	0.05787	0.11991	0.0265	0.02148	2.34E-04	3.58E-03	1.69E-04	6.78E-05	4.05E-03	2.13E-04	3.86E-09	2.25E-06	1.85E-06	2.17E-04	2.71E-04	3.58E-03	1.69E-04	6.78E-05	4.08E-03
2200	494811.06	3859801.99	0.05764	0.1183	0.0266	0.02136	2.33E-04	3.53E-03	1.70E-04	6.74E-05	4.00E-03	2.12E-04	3.81E-09	2.26E-06	1.84E-06	2.16E-04	2.70E-04	3.53E-03	1.70E-04	6.74E-05	4.04E-03
2201	494861.06	3859801.99	0.05745	0.11722	0.0266	0.02123	2.32E-04	3.50E-03	1.70E-04	6.70E-05	3.97E-03	2.11E-04	3.78E-09	2.27E-06	1.83E-06	2.15E-04	2.69E-04	3.50E-03	1.70E-04	6.70E-05	4.00E-03
2202	494911.06	3859801.99	0.05721	0.11545	0.0268	0.02112	2.31E-04	3.44E-03	1.71E-04	6.67E-05	3.91E-03	2.10E-04	3.72E-09	2.28E-06	1.82E-06	2.14E-04	2.68E-04	3.44E-03	1.71E-04	6.67E-05	3.95E-03
2203	494961.06	3859801.99	0.05701	0.11421	0.0269	0.021	2.30E-04	3.41E-03	1.71E-04	6.63E-05	3.88E-03	2.10E-04	3.68E-09	2.29E-06	1.81E-06	2.14E-04	2.67E-04	3.41E-03	1.71E-04	6.63E-05	3.91E-03
2204	495011.06	3859801.99	0.0568	0.11287	0.027	0.02088	2.30E-04	3.37E-03	1.72E-04	6.59E-05	3.83E-03	2.09E-04	3.64E-09	2.29E-06	1.80E-06	2.13E-04	2.66E-04	3.37E-03	1.72E-04	6.59E-05	3.87E-03
2205	495061.06	3859801.99	0.05662	0.11183	0.027	0.02076	2.29E-04	3.34E-03	1.72E-04	6.55E-05	3.80E-03	2.08E-04	3.60E-09	2.29E-06	1.79E-06	2.12E-04	2.65E-04	3.34E-03	1.72E-04	6.55E-05	3.84E-03
2206	495111.06	3859801.99	0.0564	0.11028	0.0271	0.02064	2.28E-04	3.29E-03	1.73E-04	6.52E-05	3.76E-03	2.07E-04	3.55E-09	2.31E-06	1.78E-06	2.11E-04	2.64E-04	3.29E-03	1.73E-04	6.52E-05	3.79E-03
2207	495161.06	3859801.99	0.05618	0.10884	0.0272	0.02053	2.27E-04	3.25E-03	1.74E-04	6.48E-05	3.71E-03	2.07E-04	3.51E-09	2.31E-06	1.77E-06	2.11E-04	2.63E-04	3.25E-03	1.74E-04	6.48E-05	3.75E-03
2208	495211.06	3859801.99	0.056	0.10783	0.0272	0.02042	2.26E-04	3.22E-03	1.74E-04	6.45E-05	3.68E-03	2.06E-04	3.48E-09	2.32E-06	1.76E-06	2.10E-04	2.62E-04	3.22E-03	1.74E-04	6.45E-05	3.72E-03
2209	495261.06	3859801.99	0.05578	0.10636	0.0274	0.02031	2.25E-04	3.17E-03	1.74E-04	6.41E-05	3.64E-03	2.05E-04	3.43E-09	2.33E-06	1.75E-06	2.09E-04	2.61E-04	3.17E-03	1.74E-04	6.41E-05	3.67E-03
2210	495311.06	3859801.99	0.05561	0.10547	0.0273	0.02019	2.25E-04	3.15E-03	1.74E-04	6.37E-05	3.61E-03	2.04E-04	3.40E-09	2.33E-06	1.74E-06	2.09E-04	2.60E-04	3.15E-03	1.74E-04	6.37E-05	3.64E-03
2211	495361.06	3859801.99	0.0554	0.10418	0.0274	0.02009	2.24E-04	3.11E-03	1.75E-04	6.34E-05	3.57E-03	2.04E-04	3.36E-09	2.33E-06	1.73E-06	2.08E-04	2.59E-04	3.11E-03	1.75E-04	6.34E-05	3.61E-03
2212	495411.06	3859801.99	0.05516	0.10267	0.0275	0.01998	2.23E-04	3.06E-03	1.76E-04	6.31E-05	3.52E-03	2.03E-04	3.31E-09	2.34E-06	1.72E-06	2.07E-04	2.58E-04	3.06E-03	1.76E-04	6.31E-05	3.56E-03
2213	495461.06	3859801.99	0.05494	0.10149	0.0276	0.01987	2.22E-04	3.03E-03	1.76E-04	6.27E-05	3.49E-03	2.02E-04	3.27E-09	2.35E-06	1.71E-06	2.06E-04	2.57E-04	3.03E-03	1.76E-04	6.27E-05	3.52E-03
2214	495511.06	3859801.99	0.05466	0.09973	0.0277	0.01977	2.21E-04	2.98E-03	1.77E-04	6.24E-05	3.44E-03	2.01E-04	3.21E-09	2.36E-06	1.70E-06	2.05E-04	2.56E-04	2.98E-03	1.77E-04	6.24E-05	3.47E-03
2215	495561.06	3859801.99	0.05447	0.09877	0.0277	0.01966	2.20E-04	2.95E-03	1.77E-04	6.21E-05	3.41E-03	2.00E-04	3.18E-09	2.36E-06	1.69E-06	2.04E-04	2.55E-04	2.95E-03	1.77E-04	6.21E-05	3.44E-03
2216	495611.06	3859801.99	0.05434	0.0983	0.0276	0.01956	2.20E-04	2.93E-03	1.76E-04	6.18E-05	3.39E-03	2.00E-04	3.17E-09	2.35E-06	1.68E-06	2.04E-04	2.54E-04	2.93E-03	1.76E-04	6.18E-05	3.42E-03
2217	495661.06	3859801.99	0.05406	0.09677	0.0278	0.01945	2.19E-04	2.89E-03	1.77E-04	6.14E-05	3.34E-03	1.99E-04	3.12E-09	2.36E-06	1.67E-06	2.03E-04	2.53E-04	2.89E-03	1.77E-04	6.14E-05	3.38E-03
2218	494311.06	3859851.99	0.05919	0.13411	0.0244	0.0222	2.39E-04	4.00E-03	1.55E-04	7.01E-05	4.47E-03	2.18E-04	4.32E-09	2.07E-06	1.91E-06	2.22E-04	2.77E-04	4.00E-03	1.55E-04	7.01E-05	4.50E-03
2219	494361.06	3859851.99	0.05892	0.13214	0.0245	0.02206	2.38E-04	3.94E-03	1.56E-04	6.97E-05	4.41E-03	2.17E-04	4.26E-09	2.09E-06	1.90E-06	2.21E-04	2.76E-04	3.94E-03	1.56E-04	6.97E-05	4.44E-03
2220	494411.06	3859851.99	0.05862	0.12992	0.0247	0.02194	2.37E-04	3.88E-03	1.58E-04	6.93E-05	4.34E-03	2.16E-04	4.19E-09	2.10E-06	1.89E-06	2.20E-04	2.74E-04	3.88E-03	1.58E-04	6.93E-05	4.38E-03
2221	494461.06	3859851.99	0.05837	0.12831	0.0249	0.02181	2.36E-04	3.83E-03	1.59E-04	6.89E-05	4.29E-03	2.15E-04	4.14E-09	2.11E-06	1.88E-06	2.19E-04	2.73E-04	3.83E-03	1.59E-04	6.89E-05	4.33E-03
2222	494511.06	3859851.99	0.05821	0.12786	0.0248	0.02164	2.35E-04	3.81E-03	1.58E-04	6.83E-05	4.28E-03	2.14E-04	4.12E-09	2.11E-06	1.86E-06	2.18E-04	2.72E-04	3.81E-03	1.58E-04	6.83E-05	4.31E-03
2223	494561.06	3859851.99	0.05808	0.12768	0.0247	0.02147	2.35E-04	3.81E-03	1.58E-04	6.78E-05	4.27E-03	2.14E-04	4.12E-09	2.10E-06	1.85E-06	2.17E-04	2.72E-04	3.81E-03	1.58E-04	6.78E-05	4.31E-03
2224	494611.06	3859851.99	0.05772	0.1245	0.0251	0.02139	2.33E-04	3.71E-03	1.60E-04	6.75E-05	4.18E-03	2.12E-04	4.01E-09	2.13E-06	1.84E-06	2.16E-04	2.70E-04	3.71E-03	1.60E-04	6.75E-05	4.21E-03
2225	494661.06	3859851.99	0.05755	0.12381	0.0251	0.02124	2.33E-04	3.69E-03	1.60E-04	6.71E-05	4.15E-03	2.12E-04	3.99E-09	2.13E-06	1.83E-06	2.16E-04	2.69E-04	3.69E-03	1.60E-04	6.71E-05	4.19E-03
2226	494711.06	3859851.99	0.05726	0.12147	0.0253	0.02114	2.31E-04	3.62E-03	1.62E-04	6.67E-05	4.08E-03	2.11E-04	3.92E-09	2.15E-06	1.82E-06	2.14E-04	2.68E-04	3.62E-03	1.62E-04	6.67E-05	4.12E-03
2227	494761.06	3859851.99	0.05714	0.12133	0.0252	0.02098	2.31E-04	3.62E-03	1.61E-04	6.62E-05	4.08E-03	2.10E-04	3.91E-09	2.14E-06	1.81E-06	2.14E-04	2.67E-04	3.62E-03	1.61E-04	6.62E-05	4.11E-03
2228	494811.06	3859851.99	0.05692	0.11985	0.0253	0.02087	2.30E-04	3.58E-03	1.62E-04	6.59E-05	4.03E-03	2.09E-04	3.86E-09	2.15E-06	1.80E-06	2.13E-04	2.66E-04	3.58E-03	1.62E-04	6.59E-05	4.07E-03
2229	494861.06	3859851.99	0.05675	0.11895	0.0253	0.02073	2.29E-04	3.55E-03	1.62E-04	6.55E-05	4.01E-03	2.09E-04	3.83E-09	2.15E-06	1.79E-06	2.13E-04	2.65E-04	3.55E-03	1.62E-04	6.55E-05	4.04E-03
2230	494911.06	3859851.99	0.05651	0.11725	0.0255	0.02063	2.28E-04	3.50E-03	1.63E-04	6.51E-05	3.95E-03	2.08E-04	3.78E-09	2.17E-06	1.78E-06	2.12E-04	2.64E-04	3.50E-03	1.63E-04	6.51E-05	3.99E-03
2231	494961.06	3859851.99	0.05632	0.11598	0.0256	0.02051	2.28E-04	3.46E-03	1.63E-04	6.48E-05	3.92E-03	2.07E-04	3.74E-09	2.17E-06	1.77E-06	2.11E-04	2.63E-04	3.46E-03	1.63E-04	6.48E-05	3.95E-03
2232	495011.06	3859851.99	0.05612	0.11468	0.0257	0.0204	2.27E-04	3.42E-03	1.64E-04	6.44E-05	3.88E-03	2.06E-04	3.70E-09	2.18E-06	1.76E-06	2.10E-04	2.62E-04	3.42E-03	1.64E-04	6.44E-05	3.91E-03
2233	495061.06	3859851.99	0.05594	0.11364	0.0257	0.02028	2.26E-04	3.39E-03	1.64E-04	6.40E-05	3.84E-03	2.06E-04	3.66E-09	2.18E-06	1.75E-06	2.10E-04	2.62E-04	3.39E-03	1.64E-04	6.40E-05	3.88E-03
2234	495111.06	3859851.99	0.05571	0.11196	0.0259	0.02018	2.25E-04	3.34E-03	1.65E-04	6.37E-05	3.79E-03	2.05E-04	3.61E-09	2.20E-06	1.74E-06	2.09E-04	2.61E-04	3.34E-03	1.65E-04	6.37E-05	3.83E-03
2235	495161.06	3859851.99	0.05551	0.11061	0.026	0.02008	2.24E-04	3.30E-03	1.66E-04	6.34E-05	3.75E-03	2.04E-04	3.57E-09	2.21E-06	1.73E-06	2.08E-04	2.60E-04	3.30E-03	1.66E-04	6.34E-05	3.79E-03
2236	495211.06	3859851.99	0.05532	0.10938	0.026	0.01997	2.24E-04	3.26E-03	1.66E-04	6.31E-05	3.72E-03	2.03E-04	3.53E-09	2.21E-06	1.72E-06	2.07E-04	2.59E-04	3.26E-03	1.66E-04	6.31E-05	3.75E-03
2237	495261.06	3859851.99	0.05512	0.10805	0.0261	0.01987	2.23E-04	3.22E-03	1.67E-04	6.27E-05	3.68E-03	2.03E-04	3.48E-09	2.22E-06	1.71E-06	2.07E-04	2.58E-04	3.22E-03	1.67E-04	6.27E-05	3.71E-03
2238	495311.06	3859851.99	0.05495	0.10703	0.0262	0.01976	2.22E-04	3.19E-03	1.67E-04	6.24E-05	3.64E-03	2.02E-04	3.45E-09	2.22E-06	1.70E-06	2.06E-04	2.57E-04	3.19E-03	1.67E-04	6.24E-05	3.68E-03
2239	495361.06	3859851.99	0.05477	0.10588	0.0262	0.01966	2.21E-04	3.16E-03	1.67E-04	6.21E-05	3.61E-03	2.01E-04	3.41E-09	2.23E-06	1.69E-06	2.05E-04	2.56E-04	3.16E-03	1.67E-04	6.21E-05	3.64E-03
2240	495411.06	3859851.99	0.05455	0.10441	0.0263	0.01956	2.21E-04	3.11E-03	1.68E-04	6.18E-05	3.57E-03	2.01E-04	3.37E-09	2.24E-06	1.68E-06	2.04E-04	2.55E-04	3.11E-03	1.68E-04	6.18E-05	3.60E-03
2241	495461.06	3859851.99	0.05433	0.10301	0.0265	0.01947	2.20E-04	3.07E-03	1.69E-04	6.15E-05	3.52E-03	2.00E-04	3.32E-09	2.25E-06	1.68E-06	2.04E-04	2.54E-04	3.07E-03	1.69E-04	6.15E-05	3.56E-03
2242	495511.06	3859851.99	0.05409	0.10143	0.0266	0.01937	2.19E-04	3.03E-03	1.70E-04	6.12E-05	3.48E-03	1.99E-04	3.27E-09	2.26E-06	1.67E-06	2.03E-04	2.53E-04	3.03E-03	1.70E-04	6.12E-05	3.51E-03
2243	495561.06	3859851.99	0.05394	0.10063	0.0266	0.01927	2.18E-04	3.00E-03	1.70E-04	6.08E-05	3.45E-03	1.98E-04	3.24E-09	2.26E-06	1.66E-06	2.02E-04	2.52E-04	3.00E-03	1.70E-04	6.08E-05	3.48E-03
2244	495611.06	3859851.99	0.05377	0.09975	0.0266	0.01917	2.17E-04	2.98E-03	1.70E-04	6.05E-05	3.42E-03	1.98E-04	3.22E-09	2.26E-06	1.65E-06	2.02E-04	2.51E-04	2.98E-03	1.70E-04	6.05E-05	3.46E-03
2245	495661.06	3859851.99	0.05352	0.09827	0.0267	0.01908	2.16E-04	2.93E-03	1.70E-04	6.02E-05	3.38E-03	1.97E-04	3.17E-09	2.27E-06	1.64E-06	2.01E-04	2.50E-04	2.93E-03	1.70E-04	6.02E-05	3.41E-03
2246	494311.06	3859901.99	0.05844	0.13487	0.0233	0.02167	2.36E-04	4.02E-03	1.48E-04	6.84E-05	4.48E-03	2.15E-04	4.35E-09	1.98E-06	1.87E-06	2.19E-04	2.73E-04	4.02E-03	1.48E-04	6.84E-05	4.51E-03
2247	494361.06	3859901.99	0.05811	0.13202	0.0235	0.02157	2.35E-04	3.94E-03	1.50E-04	6.81E-05	4.39E-03	2.14E-04	4.26E-09	2.00E-06	1.86E-06	2.18E-04	2.72E-04	3.94E-03	1.50E-04	6.81E-05	4.43E-03
2248	494411.06	3859901.99	0.05791	0.13116	0.0235	0.02141	2.34E-04	3.91E-03	1.50E-04	6.76E-05	4.36E-03	2.13E-04	4.23E-09	2.00E-06	1.84E-06	2.17E-04	2.71E-04	3.91E-03	1.50E-04	6.76E-05	4.40E-03
2249	494461.06	3859901.99	0.05767	0.12962	0.0237	0.02128	2.33E-04	3.87E-03	1.51E-04	6.72E-05	4.32E-03	2.12E-04	4.18E-09	2.01E-06	1.83E-06	2.16E-04	2.70E-04	3.87E-03	1.51E-04	6.72E-05	4.35E-03
2250	494511.06	3859901.99	0.05747	0.12865	0.0237	0.02113	2.32E-04	3.84E-03	1.51E-04	6.67E-05	4.29E-03	2.11E-04	4.15E-09	2.01E-06	1.82E-06	2.15E-04	2.69E-04	3.84E-03	1.51E-04	6.67E-05	4.32E-03
2251	494561.06	3859901.99	0.05736	0.12888	0.0236	0.02096	2.32E-04	3.84E-03	1.50E-04	6.62E-05	4.29E-03	2.11E-04	4.15E-09	2.00E-06	1.80E-06	2.15E-04	2.68E-04	3.84E-03	1.50E-04	6.62E-05	4.33E-03
2252	494611.06	3859901.99	0.057	0.12561	0.0239	0.02088	2.30E-04	3.75E-03	1.52E-04	6.59E-05	4.20E-03	2.10E-04	4.05E-09	2.03E-06	1.80E-06	2.13E-04	2.67E-04	3.75E-03	1.52E-04	6.59E-05	4.23E-03
2253	494661.06	3859901.99	0.05688	0.12557	0.0238	0.02072	2.30E-04	3.75E-03	1.52E-04	6.54E-05	4.19E-03	2.09E-04	4.05E-09	2.02E-06	1.78E-06	2.13E-04	2.66E-04	3.75E-03	1.52E-04	6.54E-05	4.23E-03

2254	494711.06	3859901.99	0.05652	0.12244	0.0242	0.02065	2.28E-04	3.65E-03	1.54E-04	6.52E-05	4.10E-03	2.08E-04	3.95E-09	2.05E-06	1.78E-06	2.12E-04	2.64E-04	3.65E-03	1.54E-04	6.52E-05	4.14E-03
2255	494761.06	3859901.99	0.05637	0.12194	0.0241	0.0205	2.28E-04	3.64E-03	1.54E-04	6.47E-05	4.08E-03	2.07E-04	3.93E-09	2.05E-06	1.77E-06	2.11E-04	2.64E-04	3.64E-03	1.54E-04	6.47E-05	4.12E-03
2256	494811.06	3859901.99	0.05623	0.12147	0.0241	0.02036	2.27E-04	3.62E-03	1.54E-04	6.43E-05	4.07E-03	2.07E-04	3.92E-09	2.05E-06	1.75E-06	2.11E-04	2.63E-04	3.62E-03	1.54E-04	6.43E-05	4.10E-03
2257	494861.06	3859901.99	0.05605	0.12048	0.0241	0.02024	2.27E-04	3.59E-03	1.54E-04	6.39E-05	4.04E-03	2.06E-04	3.88E-09	2.05E-06	1.74E-06	2.10E-04	2.62E-04	3.59E-03	1.54E-04	6.39E-05	4.07E-03
2258	494911.06	3859901.99	0.05581	0.11876	0.0243	0.02014	2.26E-04	3.54E-03	1.55E-04	6.36E-05	3.99E-03	2.05E-04	3.83E-09	2.06E-06	1.73E-06	2.09E-04	2.61E-04	3.54E-03	1.55E-04	6.36E-05	4.02E-03
2259	494961.06	3859901.99	0.05563	0.11768	0.0243	0.02002	2.25E-04	3.51E-03	1.55E-04	6.32E-05	3.95E-03	2.05E-04	3.79E-09	2.07E-06	1.72E-06	2.08E-04	2.60E-04	3.51E-03	1.55E-04	6.32E-05	3.99E-03
2260	495011.06	3859901.99	0.05542	0.11616	0.0244	0.01992	2.24E-04	3.47E-03	1.56E-04	6.29E-05	3.91E-03	2.04E-04	3.74E-09	2.08E-06	1.72E-06	2.08E-04	2.59E-04	3.47E-03	1.56E-04	6.29E-05	3.94E-03
2261	495061.06	3859901.99	0.05522	0.11485	0.0245	0.01981	2.23E-04	3.43E-03	1.56E-04	6.25E-05	3.87E-03	2.03E-04	3.70E-09	2.09E-06	1.71E-06	2.07E-04	2.58E-04	3.43E-03	1.56E-04	6.25E-05	3.90E-03
2262	495111.06	3859901.99	0.05499	0.11316	0.0247	0.01972	2.22E-04	3.38E-03	1.57E-04	6.23E-05	3.82E-03	2.02E-04	3.65E-09	2.10E-06	1.70E-06	2.06E-04	2.57E-04	3.38E-03	1.57E-04	6.23E-05	3.85E-03
2263	495161.06	3859901.99	0.05478	0.11161	0.0248	0.01963	2.21E-04	3.33E-03	1.58E-04	6.20E-05	3.77E-03	2.01E-04	3.60E-09	2.11E-06	1.69E-06	2.05E-04	2.56E-04	3.33E-03	1.58E-04	6.20E-05	3.81E-03
2264	495211.06	3859901.99	0.05462	0.11074	0.0248	0.01951	2.21E-04	3.30E-03	1.58E-04	6.16E-05	3.74E-03	2.01E-04	3.57E-09	2.11E-06	1.68E-06	2.05E-04	2.55E-04	3.30E-03	1.58E-04	6.16E-05	3.78E-03
2265	495261.06	3859901.99	0.05439	0.10896	0.025	0.01943	2.20E-04	3.25E-03	1.60E-04	6.13E-05	3.69E-03	2.00E-04	3.51E-09	2.13E-06	1.67E-06	2.04E-04	2.54E-04	3.25E-03	1.60E-04	6.13E-05	3.73E-03
2266	495311.06	3859901.99	0.05424	0.10813	0.025	0.01932	2.19E-04	3.23E-03	1.60E-04	6.10E-05	3.67E-03	1.99E-04	3.49E-09	2.13E-06	1.66E-06	2.03E-04	2.54E-04	3.23E-03	1.60E-04	6.10E-05	3.70E-03
2267	495361.06	3859901.99	0.05405	0.10682	0.0251	0.01923	2.18E-04	3.19E-03	1.60E-04	6.07E-05	3.63E-03	1.99E-04	3.44E-09	2.14E-06	1.66E-06	2.03E-04	2.53E-04	3.19E-03	1.60E-04	6.07E-05	3.66E-03
2268	495411.06	3859901.99	0.05384	0.10531	0.0253	0.01914	2.18E-04	3.14E-03	1.61E-04	6.04E-05	3.58E-03	1.98E-04	3.39E-09	2.15E-06	1.65E-06	2.02E-04	2.52E-04	3.14E-03	1.61E-04	6.04E-05	3.62E-03
2269	495461.06	3859901.99	0.05364	0.104	0.0254	0.01905	2.17E-04	3.10E-03	1.62E-04	6.01E-05	3.54E-03	1.97E-04	3.35E-09	2.16E-06	1.64E-06	2.01E-04	2.51E-04	3.10E-03	1.62E-04	6.01E-05	3.58E-03
2270	495511.06	3859901.99	0.05349	0.10311	0.0254	0.01895	2.16E-04	3.08E-03	1.62E-04	5.98E-05	3.51E-03	1.97E-04	3.32E-09	2.16E-06	1.63E-06	2.00E-04	2.50E-04	3.08E-03	1.62E-04	5.98E-05	3.55E-03
2271	495561.06	3859901.99	0.05333	0.10221	0.0254	0.01886	2.16E-04	3.05E-03	1.62E-04	5.95E-05	3.49E-03	1.96E-04	3.29E-09	2.16E-06	1.62E-06	2.00E-04	2.49E-04	3.05E-03	1.62E-04	5.95E-05	3.52E-03
2272	495611.06	3859901.99	0.05312	0.10084	0.0255	0.01877	2.15E-04	3.01E-03	1.63E-04	5.93E-05	3.45E-03	1.95E-04	3.25E-09	2.17E-06	1.62E-06	1.99E-04	2.48E-04	3.01E-03	1.63E-04	5.93E-05	3.48E-03
2273	495661.06	3859901.99	0.0529	0.09939	0.0257	0.01869	2.14E-04	2.97E-03	1.64E-04	5.90E-05	3.40E-03	1.94E-04	3.20E-09	2.18E-06	1.61E-06	1.98E-04	2.47E-04	2.97E-03	1.64E-04	5.90E-05	3.44E-03
2274	494311.06	3859951.99	0.05786	0.13585	0.0223	0.02113	2.34E-04	4.05E-03	1.42E-04	6.67E-05	4.50E-03	2.13E-04	4.38E-09	1.89E-06	1.82E-06	2.16E-04	2.71E-04	4.05E-03	1.42E-04	6.67E-05	4.53E-03
2275	494361.06	3859951.99	0.05763	0.13384	0.0224	0.02101	2.33E-04	3.99E-03	1.43E-04	6.63E-05	4.43E-03	2.12E-04	4.31E-09	1.90E-06	1.81E-06	2.16E-04	2.70E-04	3.99E-03	1.43E-04	6.63E-05	4.47E-03
2276	494411.06	3859951.99	0.0572	0.13205	0.0225	0.02089	2.31E-04	3.94E-03	1.43E-04	6.60E-05	4.38E-03	2.10E-04	4.26E-09	1.91E-06	1.80E-06	2.14E-04	2.68E-04	3.94E-03	1.43E-04	6.60E-05	4.42E-03
2277	494461.06	3859951.99	0.05696	0.13056	0.0226	0.02076	2.30E-04	3.90E-03	1.44E-04	6.55E-05	4.33E-03	2.09E-04	4.21E-09	1.92E-06	1.79E-06	2.13E-04	2.66E-04	3.90E-03	1.44E-04	6.55E-05	4.37E-03
2278	494511.06	3859951.99	0.05677	0.12963	0.0226	0.02062	2.29E-04	3.87E-03	1.44E-04	6.51E-05	4.31E-03	2.09E-04	4.18E-09	1.92E-06	1.78E-06	2.12E-04	2.65E-04	3.87E-03	1.44E-04	6.51E-05	4.34E-03
2279	494561.06	3859951.99	0.05681	0.13017	0.0225	0.02044	2.30E-04	3.88E-03	1.44E-04	6.45E-05	4.32E-03	2.09E-04	4.20E-09	1.91E-06	1.76E-06	2.13E-04	2.66E-04	3.88E-03	1.44E-04	6.45E-05	4.36E-03
2280	494611.06	3859951.99	0.05635	0.1273	0.0227	0.02036	2.28E-04	3.80E-03	1.45E-04	6.43E-05	4.23E-03	2.07E-04	4.10E-09	1.93E-06	1.75E-06	2.11E-04	2.64E-04	3.80E-03	1.45E-04	6.43E-05	4.27E-03
2281	494661.06	3859951.99	0.0564	0.12704	0.0227	0.02021	2.28E-04	3.79E-03	1.45E-04	6.38E-05	4.23E-03	2.07E-04	4.09E-09	1.93E-06	1.74E-06	2.11E-04	2.64E-04	3.79E-03	1.45E-04	6.38E-05	4.26E-03
2282	494711.06	3859951.99	0.0559	0.12443	0.0229	0.02013	2.26E-04	3.71E-03	1.46E-04	6.36E-05	4.15E-03	2.06E-04	4.01E-09	1.95E-06	1.73E-06	2.09E-04	2.61E-04	3.71E-03	1.46E-04	6.36E-05	4.18E-03
2283	494761.06	3859951.99	0.05572	0.12351	0.0229	0.02	2.25E-04	3.68E-03	1.46E-04	6.31E-05	4.12E-03	2.05E-04	3.98E-09	1.95E-06	1.72E-06	2.09E-04	2.61E-04	3.68E-03	1.46E-04	6.31E-05	4.15E-03
2284	494811.06	3859951.99	0.05553	0.12239	0.023	0.01988	2.24E-04	3.65E-03	1.47E-04	6.28E-05	4.09E-03	2.04E-04	3.94E-09	1.96E-06	1.71E-06	2.08E-04	2.60E-04	3.65E-03	1.47E-04	6.28E-05	4.12E-03
2285	494861.06	3859951.99	0.05537	0.12176	0.023	0.01975	2.24E-04	3.63E-03	1.47E-04	6.24E-05	4.07E-03	2.04E-04	3.92E-09	1.96E-06	1.70E-06	2.07E-04	2.59E-04	3.63E-03	1.47E-04	6.24E-05	4.10E-03
2286	494911.06	3859951.99	0.05513	0.12001	0.0231	0.01965	2.23E-04	3.58E-03	1.48E-04	6.20E-05	4.01E-03	2.03E-04	3.87E-09	1.97E-06	1.69E-06	2.06E-04	2.58E-04	3.58E-03	1.48E-04	6.20E-05	4.05E-03
2287	494961.06	3859951.99	0.05491	0.11843	0.0233	0.01955	2.22E-04	3.53E-03	1.48E-04	6.17E-05	3.97E-03	2.02E-04	3.82E-09	1.98E-06	1.68E-06	2.06E-04	2.57E-04	3.53E-03	1.48E-04	6.17E-05	4.00E-03
2288	495011.06	3859951.99	0.0547	0.11701	0.0234	0.01945	2.21E-04	3.49E-03	1.49E-04	6.14E-05	3.92E-03	2.01E-04	3.77E-09	1.99E-06	1.67E-06	2.05E-04	2.56E-04	3.49E-03	1.49E-04	6.14E-05	3.96E-03
2289	495061.06	3859951.99	0.05451	0.11585	0.0234	0.01935	2.20E-04	3.46E-03	1.49E-04	6.11E-05	3.89E-03	2.00E-04	3.73E-09	1.99E-06	1.67E-06	2.04E-04	2.55E-04	3.46E-03	1.49E-04	6.11E-05	3.92E-03
2290	495111.06	3859951.99	0.05429	0.11419	0.0236	0.01926	2.19E-04	3.41E-03	1.50E-04	6.08E-05	3.84E-03	2.00E-04	3.68E-09	2.01E-06	1.66E-06	2.03E-04	2.54E-04	3.41E-03	1.50E-04	6.08E-05	3.87E-03
2291	495161.06	3859951.99	0.05407	0.11262	0.0237	0.01917	2.19E-04	3.36E-03	1.51E-04	6.05E-05	3.79E-03	1.99E-04	3.63E-09	2.02E-06	1.65E-06	2.02E-04	2.53E-04	3.36E-03	1.51E-04	6.05E-05	3.82E-03
2292	495211.06	3859951.99	0.05387	0.11109	0.0239	0.01909	2.18E-04	3.31E-03	1.52E-04	6.03E-05	3.74E-03	1.98E-04	3.58E-09	2.03E-06	1.64E-06	2.02E-04	2.52E-04	3.31E-03	1.52E-04	6.03E-05	3.78E-03
2293	495261.06	3859951.99	0.05368	0.10986	0.024	0.01899	2.17E-04	3.28E-03	1.53E-04	6.00E-05	3.71E-03	1.97E-04	3.54E-09	2.04E-06	1.64E-06	2.01E-04	2.51E-04	3.28E-03	1.53E-04	6.00E-05	3.74E-03
2294	495311.06	3859951.99	0.05354	0.10913	0.024	0.01888	2.16E-04	3.26E-03	1.53E-04	5.96E-05	3.68E-03	1.97E-04	3.52E-09	2.04E-06	1.63E-06	2.01E-04	2.50E-04	3.26E-03	1.53E-04	5.96E-05	3.72E-03
2295	495361.06	3859951.99	0.05337	0.10805	0.024	0.01879	2.16E-04	3.22E-03	1.53E-04	5.93E-05	3.65E-03	1.96E-04	3.48E-09	2.04E-06	1.62E-06	2.00E-04	2.50E-04	3.22E-03	1.53E-04	5.93E-05	3.69E-03
2296	495411.06	3859951.99	0.05317	0.10659	0.0242	0.01871	2.15E-04	3.18E-03	1.54E-04	5.91E-05	3.61E-03	1.95E-04	3.44E-09	2.05E-06	1.61E-06	1.99E-04	2.49E-04	3.18E-03	1.54E-04	5.91E-05	3.64E-03
2297	495461.06	3859951.99	0.05298	0.10529	0.0243	0.01862	2.14E-04	3.14E-03	1.55E-04	5.88E-05	3.57E-03	1.95E-04	3.39E-09	2.06E-06	1.60E-06	1.98E-04	2.48E-04	3.14E-03	1.55E-04	5.88E-05	3.60E-03
2298	495511.06	3859951.99	0.05279	0.10399	0.0244	0.01854	2.13E-04	3.10E-03	1.56E-04	5.85E-05	3.53E-03	1.94E-04	3.35E-09	2.07E-06	1.60E-06	1.98E-04	2.47E-04	3.10E-03	1.56E-04	5.85E-05	3.56E-03
2299	495561.06	3859951.99	0.05267	0.10344	0.0243	0.01844	2.13E-04	3.09E-03	1.55E-04	5.82E-05	3.51E-03	1.94E-04	3.33E-09	2.07E-06	1.59E-06	1.97E-04	2.46E-04	3.09E-03	1.55E-04	5.82E-05	3.55E-03
2300	495611.06	3859951.99	0.05248	0.10208	0.0245	0.01836	2.12E-04	3.05E-03	1.56E-04	5.80E-05	3.47E-03	1.93E-04	3.29E-09	2.08E-06	1.58E-06	1.97E-04	2.45E-04	3.05E-03	1.56E-04	5.80E-05	3.50E-03
2301	495661.06	3859951.99	0.05226	0.10049	0.0246	0.01829	2.11E-04	3.00E-03	1.57E-04	5.77E-05	3.42E-03	1.92E-04	3.24E-09	2.09E-06	1.57E-06	1.96E-04	2.44E-04	3.00E-03	1.57E-04	5.77E-05	3.46E-03
2302	494311.06	3860001.99	0.05704	0.13649	0.0214	0.02061	2.31E-04	4.07E-03	1.36E-04	6.51E-05	4.50E-03	2.10E-04	4.40E-09	1.82E-06	1.77E-06	2.13E-04	2.67E-04	4.07E-03	1.36E-04	6.51E-05	4.54E-03
2303	494361.06	3860001.99	0.05682	0.13492	0.0214	0.02048	2.30E-04	4.03E-03	1.37E-04	6.47E-05	4.46E-03	2.09E-04	4.35E-09	1.82E-06	1.76E-06	2.12E-04	2.66E-04	4.03E-03	1.37E-04	6.47E-05	4.49E-03
2304	494411.06	3860001.99	0.0566	0.1326	0.0216	0.02038	2.29E-04	3.96E-03	1.38E-04	6.43E-05	4.39E-03	2.08E-04	4.27E-09	1.83E-06	1.75E-06	2.12E-04	2.65E-04	3.96E-03	1.38E-04	6.43E-05	4.42E-03
2305	494461.06	3860001.99	0.0564	0.13152	0.0216	0.02025	2.28E-04	3.92E-03	1.38E-04	6.39E-05	4.35E-03	2.07E-04	4.24E-09	1.84E-06	1.74E-06	2.11E-04	2.64E-04	3.92E-03	1.38E-04	6.39E-05	4.39E-03
2306	494511.06	3860001.99	0.05619	0.12976	0.0217	0.02013	2.27E-04	3.87E-03	1.38E-04	6.36E-05	4.30E-03	2.07E-04	4.18E-09	1.85E-06	1.73E-06	2.10E-04	2.63E-04	3.87E-03	1.38E-04	6.36E-05	4.34E-03
2307	494561.06	3860001.99	0.056	0.13093	0.0216	0.01994	2.26E-04	3.91E-03	1.38E-04	6.30E-05	4.33E-03	2.06E-04	4.22E-09	1.84E-06	1.72E-06	2.09E-04	2.62E-04	3.91E-03	1.38E-04	6.30E-05	4.37E-03
2308	494611.06	3860001.99	0.0558	0.12902	0.0217	0.01984	2.26E-04	3.85E-03	1.38E-04	6.26E-05	4.28E-03	2.05E-04	4.16E-09	1.84E-06	1.71E-06	2.09E-04	2.61E-04	3.85E-03	1.38E-04	6.26E-05	4.31E-03
2309	494661.06	3860001.99	0.0556	0.12792	0.0217	0.01971	2.25E-04	3.82E-03	1.39E-04	6.22E-05	4.24E-03	2.04E-04	4.12E-09	1.85E-06	1.70E-06	2.08E-04	2.60E-04	3.82E-03	1.39E-04	6.22E-05	4.28E-03
2310	494711.06	3860001.99	0.05517	0.12443	0.022	0.01966	2.23E-04	3.71E-03	1.40E-04	6.21E-05	4.14E-03	2.03E-04	4.01E-09	1.87E-06	1.69E-06	2.06E-04	2.58E-04	3.71E-03	1.40E-04	6.21E-05	4.17E-03
2311	494761.06	3860001.99	0.0552	0.12453	0.0219	0.01951	2.23E-04	3.72E-03	1.40E-04	6.16E-05	4.14E-03	2.03E-04	4.01E-09	1.87E-06	1.68E-06	2.06E-04	2.58E-04	3.72E-03	1.40E-04	6.16E-05	4.17E-03
2312	494811.06	3860001.99	0.05501	0.12363	0.022	0.01939	2.22E-04	3.69E-03	1.40E-04	6.12E-05	4.11E-03	2.02E-04	3.98E-09	1.87E-06	1.67E-06	2.06E-04	2.57E-04	3.69E-03	1.40E-04	6.12E-05	4.15E-03
2313	494861.06	3860001.99	0.05483	0.12293	0.022	0.01926	2.22E-04	3.67E-03	1.40E-04	6.08E-05	4.09E-03	2.02E-04	3.96E-09	1.87E-06	1.66E-06	2.05E-04	2.56E-04	3.67E-03	1.40E-04	6.08E-05	4.12E-03
2314	494911.06	3860001.99	0.05438	0.11981	0.0223	0.01921	2.20E-04	3.57E-03	1.42E-04	6.07E-05	4.00E-03	2.00E-04	3.86E-09	1.89E-06	1.65E-06	2.03E-04	2.54E-04	3.57E-03	1.42E-04	6.07E-05	4.03E-03

2315	494961.06	3860001.99	0.05422	0.11903	0.0223	0.0191	2.19E-04	3.55E-03	1.42E-04	6.03E-05	3.97E-03	1.99E-04	3.84E-09	1.89E-06	1.64E-06	2.03E-04	2.54E-04	3.55E-03	1.42E-04	6.03E-05	4.01E-03
2316	495011.06	3860001.99	0.05399	0.11747	0.0224	0.019	2.18E-04	3.50E-03	1.43E-04	6.00E-05	3.93E-03	1.98E-04	3.79E-09	1.90E-06	1.64E-06	2.02E-04	2.52E-04	3.50E-03	1.43E-04	6.00E-05	3.96E-03
2317	495061.06	3860001.99	0.05384	0.11676	0.0224	0.01889	2.18E-04	3.48E-03	1.43E-04	5.96E-05	3.90E-03	1.98E-04	3.76E-09	1.91E-06	1.63E-06	2.01E-04	2.52E-04	3.48E-03	1.43E-04	5.96E-05	3.94E-03
2318	495111.06	3860001.99	0.05362	0.11516	0.0225	0.0188	2.17E-04	3.44E-03	1.44E-04	5.94E-05	3.86E-03	1.97E-04	3.71E-09	1.92E-06	1.62E-06	2.01E-04	2.51E-04	3.44E-03	1.44E-04	5.94E-05	3.89E-03
2319	495161.06	3860001.99	0.0534	0.11359	0.0227	0.01872	2.16E-04	3.39E-03	1.45E-04	5.91E-05	3.81E-03	1.96E-04	3.66E-09	1.93E-06	1.61E-06	2.00E-04	2.50E-04	3.39E-03	1.45E-04	5.91E-05	3.84E-03
2320	495211.06	3860001.99	0.05325	0.11284	0.0227	0.01861	2.15E-04	3.37E-03	1.45E-04	5.88E-05	3.79E-03	1.96E-04	3.64E-09	1.93E-06	1.60E-06	1.99E-04	2.49E-04	3.37E-03	1.45E-04	5.88E-05	3.82E-03
2321	495261.06	3860001.99	0.05305	0.1114	0.0228	0.01853	2.14E-04	3.32E-03	1.45E-04	5.85E-05	3.74E-03	1.95E-04	3.59E-09	1.94E-06	1.60E-06	1.99E-04	2.48E-04	3.32E-03	1.45E-04	5.85E-05	3.78E-03
2322	495311.06	3860001.99	0.05287	0.11032	0.0229	0.01844	2.14E-04	3.29E-03	1.46E-04	5.82E-05	3.71E-03	1.94E-04	3.56E-09	1.94E-06	1.59E-06	1.98E-04	2.47E-04	3.29E-03	1.46E-04	5.82E-05	3.74E-03
2323	495361.06	3860001.99	0.05263	0.1083	0.0231	0.01838	2.13E-04	3.23E-03	1.47E-04	5.80E-05	3.65E-03	1.93E-04	3.49E-09	1.96E-06	1.58E-06	1.97E-04	2.46E-04	3.23E-03	1.47E-04	5.80E-05	3.68E-03
2324	495411.06	3860001.99	0.05251	0.1078	0.0231	0.01827	2.12E-04	3.22E-03	1.47E-04	5.77E-05	3.63E-03	1.93E-04	3.47E-09	1.96E-06	1.57E-06	1.97E-04	2.46E-04	3.22E-03	1.47E-04	5.77E-05	3.67E-03
2325	495461.06	3860001.99	0.05233	0.10658	0.0232	0.01819	2.12E-04	3.18E-03	1.48E-04	5.74E-05	3.60E-03	1.92E-04	3.44E-09	1.97E-06	1.57E-06	1.96E-04	2.45E-04	3.18E-03	1.48E-04	5.74E-05	3.63E-03
2326	495511.06	3860001.99	0.05216	0.10542	0.0232	0.01811	2.11E-04	3.15E-03	1.48E-04	5.72E-05	3.56E-03	1.92E-04	3.40E-09	1.98E-06	1.56E-06	1.95E-04	2.44E-04	3.15E-03	1.48E-04	5.72E-05	3.59E-03
2327	495561.06	3860001.99	0.05202	0.10467	0.0233	0.01801	2.10E-04	3.12E-03	1.48E-04	5.69E-05	3.54E-03	1.91E-04	3.37E-09	1.98E-06	1.55E-06	1.95E-04	2.43E-04	3.12E-03	1.48E-04	5.69E-05	3.57E-03
2328	495611.06	3860001.99	0.05182	0.10319	0.0234	0.01794	2.09E-04	3.08E-03	1.49E-04	5.66E-05	3.49E-03	1.91E-04	3.33E-09	1.99E-06	1.54E-06	1.94E-04	2.42E-04	3.08E-03	1.49E-04	5.66E-05	3.53E-03
2329	495661.06	3860001.99	0.05163	0.10179	0.0235	0.01787	2.09E-04	3.04E-03	1.50E-04	5.64E-05	3.45E-03	1.90E-04	3.28E-09	2.00E-06	1.54E-06	1.93E-04	2.41E-04	3.04E-03	1.50E-04	5.64E-05	3.48E-03
2330	494411.06	3860051.99	0.05581	0.13357	0.0207	0.01986	2.26E-04	3.98E-03	1.32E-04	6.27E-05	4.41E-03	2.05E-04	4.31E-09	1.76E-06	1.71E-06	2.09E-04	2.61E-04	3.98E-03	1.32E-04	6.27E-05	4.44E-03
2331	494461.06	3860051.99	0.05561	0.13202	0.0208	0.01975	2.25E-04	3.94E-03	1.32E-04	6.24E-05	4.36E-03	2.04E-04	4.26E-09	1.77E-06	1.70E-06	2.08E-04	2.60E-04	3.94E-03	1.32E-04	6.24E-05	4.39E-03
2332	494511.06	3860051.99	0.0554	0.13063	0.0208	0.01963	2.24E-04	3.90E-03	1.33E-04	6.20E-05	4.32E-03	2.04E-04	4.21E-09	1.77E-06	1.69E-06	2.07E-04	2.59E-04	3.90E-03	1.33E-04	6.20E-05	4.35E-03
2333	494561.06	3860051.99	0.05521	0.13061	0.0208	0.01948	2.23E-04	3.90E-03	1.33E-04	6.15E-05	4.31E-03	2.03E-04	4.21E-09	1.77E-06	1.68E-06	2.06E-04	2.58E-04	3.90E-03	1.33E-04	6.15E-05	4.35E-03
2334	494611.06	3860051.99	0.05501	0.12976	0.0208	0.01935	2.22E-04	3.87E-03	1.33E-04	6.11E-05	4.29E-03	2.02E-04	4.18E-09	1.77E-06	1.67E-06	2.06E-04	2.57E-04	3.87E-03	1.33E-04	6.11E-05	4.32E-03
2335	494661.06	3860051.99	0.05481	0.12867	0.0209	0.01923	2.22E-04	3.84E-03	1.33E-04	6.07E-05	4.25E-03	2.02E-04	4.15E-09	1.77E-06	1.66E-06	2.05E-04	2.56E-04	3.84E-03	1.33E-04	6.07E-05	4.29E-03
2336	494711.06	3860051.99	0.05461	0.12631	0.021	0.01915	2.21E-04	3.77E-03	1.34E-04	6.05E-05	4.18E-03	2.01E-04	4.07E-09	1.79E-06	1.65E-06	2.04E-04	2.55E-04	3.77E-03	1.34E-04	6.05E-05	4.22E-03
2337	494761.06	3860051.99	0.05442	0.12536	0.021	0.01903	2.20E-04	3.74E-03	1.34E-04	6.01E-05	4.15E-03	2.00E-04	4.04E-09	1.79E-06	1.64E-06	2.04E-04	2.55E-04	3.74E-03	1.34E-04	6.01E-05	4.19E-03
2338	494811.06	3860051.99	0.05424	0.12492	0.021	0.0189	2.19E-04	3.73E-03	1.34E-04	5.97E-05	4.14E-03	1.99E-04	4.03E-09	1.79E-06	1.63E-06	2.03E-04	2.54E-04	3.73E-03	1.34E-04	5.97E-05	4.17E-03
2339	494861.06	3860051.99	0.05405	0.12431	0.0211	0.01878	2.18E-04	3.71E-03	1.34E-04	5.93E-05	4.12E-03	1.99E-04	4.01E-09	1.79E-06	1.62E-06	2.02E-04	2.53E-04	3.71E-03	1.34E-04	5.93E-05	4.15E-03
2340	494911.06	3860051.99	0.05386	0.12244	0.0212	0.0187	2.18E-04	3.65E-03	1.35E-04	5.90E-05	4.06E-03	1.98E-04	3.95E-09	1.80E-06	1.61E-06	2.01E-04	2.52E-04	3.65E-03	1.35E-04	5.90E-05	4.10E-03
2341	494961.06	3860051.99	0.05367	0.12049	0.0213	0.01862	2.17E-04	3.59E-03	1.36E-04	5.88E-05	4.01E-03	1.97E-04	3.88E-09	1.81E-06	1.60E-06	2.01E-04	2.51E-04	3.59E-03	1.36E-04	5.88E-05	4.04E-03
2342	495011.06	3860051.99	0.05349	0.1188	0.0214	0.01853	2.16E-04	3.54E-03	1.36E-04	5.85E-05	3.96E-03	1.97E-04	3.83E-09	1.82E-06	1.60E-06	2.00E-04	2.50E-04	3.54E-03	1.36E-04	5.85E-05	3.99E-03
2343	495061.06	3860051.99	0.05331	0.11746	0.0215	0.01844	2.15E-04	3.50E-03	1.37E-04	5.82E-05	3.91E-03	1.96E-04	3.79E-09	1.83E-06	1.59E-06	1.99E-04	2.49E-04	3.50E-03	1.37E-04	5.82E-05	3.95E-03
2344	495111.06	3860051.99	0.05313	0.11566	0.0216	0.01836	2.15E-04	3.45E-03	1.38E-04	5.80E-05	3.86E-03	1.95E-04	3.73E-09	1.84E-06	1.58E-06	1.99E-04	2.48E-04	3.45E-03	1.38E-04	5.80E-05	3.89E-03
2345	495161.06	3860051.99	0.05275	0.11439	0.0217	0.01828	2.13E-04	3.41E-03	1.38E-04	5.77E-05	3.82E-03	1.94E-04	3.69E-09	1.84E-06	1.57E-06	1.97E-04	2.47E-04	3.41E-03	1.38E-04	5.77E-05	3.86E-03
2346	495211.06	3860051.99	0.05254	0.11292	0.0218	0.0182	2.12E-04	3.37E-03	1.39E-04	5.75E-05	3.78E-03	1.93E-04	3.64E-09	1.85E-06	1.57E-06	1.97E-04	2.46E-04	3.37E-03	1.39E-04	5.75E-05	3.81E-03
2347	495261.06	3860051.99	0.05237	0.11193	0.0219	0.0181	2.12E-04	3.34E-03	1.39E-04	5.71E-05	3.75E-03	1.93E-04	3.61E-09	1.86E-06	1.56E-06	1.96E-04	2.45E-04	3.34E-03	1.39E-04	5.71E-05	3.78E-03
2348	495311.06	3860051.99	0.05222	0.11109	0.0219	0.018	2.11E-04	3.31E-03	1.40E-04	5.68E-05	3.72E-03	1.92E-04	3.58E-09	1.86E-06	1.55E-06	1.95E-04	2.44E-04	3.31E-03	1.40E-04	5.68E-05	3.75E-03
2349	495361.06	3860051.99	0.05205	0.11003	0.022	0.01792	2.10E-04	3.28E-03	1.40E-04	5.66E-05	3.69E-03	1.91E-04	3.55E-09	1.87E-06	1.54E-06	1.95E-04	2.43E-04	3.28E-03	1.40E-04	5.66E-05	3.72E-03
2350	495411.06	3860051.99	0.05187	0.10888	0.022	0.01783	2.10E-04	3.25E-03	1.41E-04	5.63E-05	3.65E-03	1.91E-04	3.51E-09	1.87E-06	1.54E-06	1.94E-04	2.43E-04	3.25E-03	1.41E-04	5.63E-05	3.69E-03
2351	495461.06	3860051.99	0.05168	0.10759	0.0221	0.01776	2.09E-04	3.21E-03	1.41E-04	5.61E-05	3.62E-03	1.90E-04	3.47E-09	1.88E-06	1.53E-06	1.93E-04	2.42E-04	3.21E-03	1.41E-04	5.61E-05	3.65E-03
2352	495511.06	3860051.99	0.05153	0.10668	0.0222	0.01767	2.08E-04	3.18E-03	1.41E-04	5.58E-05	3.59E-03	1.89E-04	3.44E-09	1.89E-06	1.52E-06	1.93E-04	2.41E-04	3.18E-03	1.41E-04	5.58E-05	3.62E-03
2353	495561.06	3860051.99	0.05136	0.10556	0.0223	0.01759	2.08E-04	3.15E-03	1.42E-04	5.55E-05	3.55E-03	1.89E-04	3.40E-09	1.89E-06	1.51E-06	1.92E-04	2.40E-04	3.15E-03	1.42E-04	5.55E-05	3.59E-03
2354	495611.06	3860051.99	0.05118	0.10428	0.0224	0.01752	2.07E-04	3.11E-03	1.43E-04	5.53E-05	3.52E-03	1.88E-04	3.36E-09	1.90E-06	1.51E-06	1.92E-04	2.39E-04	3.11E-03	1.43E-04	5.53E-05	3.55E-03
2355	495661.06	3860051.99	0.05098	0.1027	0.0225	0.01747	2.06E-04	3.06E-03	1.44E-04	5.52E-05	3.47E-03	1.87E-04	3.31E-09	1.92E-06	1.50E-06	1.91E-04	2.38E-04	3.06E-03	1.44E-04	5.52E-05	3.50E-03
2356	494411.06	3860101.99	0.05503	0.13288	0.02	0.0194	2.22E-04	3.96E-03	1.28E-04	6.13E-05	4.38E-03	2.02E-04	4.28E-09	1.70E-06	1.67E-06	2.06E-04	2.57E-04	3.96E-03	1.28E-04	6.13E-05	4.41E-03
2357	494461.06	3860101.99	0.05483	0.13266	0.02	0.01925	2.22E-04	3.96E-03	1.28E-04	6.08E-05	4.37E-03	2.02E-04	4.28E-09	1.70E-06	1.66E-06	2.05E-04	2.56E-04	3.96E-03	1.28E-04	6.08E-05	4.40E-03
2358	494511.06	3860101.99	0.05463	0.13054	0.0201	0.01916	2.21E-04	3.89E-03	1.28E-04	6.05E-05	4.30E-03	2.01E-04	4.21E-09	1.71E-06	1.65E-06	2.04E-04	2.55E-04	3.89E-03	1.28E-04	6.05E-05	4.34E-03
2359	494561.06	3860101.99	0.05443	0.12982	0.0201	0.01903	2.20E-04	3.87E-03	1.28E-04	6.01E-05	4.28E-03	2.00E-04	4.18E-09	1.71E-06	1.64E-06	2.03E-04	2.55E-04	3.87E-03	1.28E-04	6.01E-05	4.32E-03
2360	494611.06	3860101.99	0.05423	0.12974	0.0201	0.01889	2.19E-04	3.87E-03	1.28E-04	5.96E-05	4.28E-03	1.99E-04	4.18E-09	1.71E-06	1.63E-06	2.03E-04	2.54E-04	3.87E-03	1.28E-04	5.96E-05	4.31E-03
2361	494661.06	3860101.99	0.05403	0.12885	0.0201	0.01877	2.18E-04	3.84E-03	1.28E-04	5.93E-05	4.25E-03	1.99E-04	4.15E-09	1.71E-06	1.62E-06	2.02E-04	2.53E-04	3.84E-03	1.28E-04	5.93E-05	4.28E-03
2362	494711.06	3860101.99	0.05385	0.12683	0.0202	0.01868	2.18E-04	3.78E-03	1.29E-04	5.90E-05	4.19E-03	1.98E-04	4.09E-09	1.72E-06	1.61E-06	2.01E-04	2.52E-04	3.78E-03	1.29E-04	5.90E-05	4.22E-03
2363	494761.06	3860101.99	0.05366	0.12584	0.0203	0.01857	2.17E-04	3.75E-03	1.29E-04	5.86E-05	4.16E-03	1.97E-04	4.06E-09	1.72E-06	1.60E-06	2.01E-04	2.51E-04	3.75E-03	1.29E-04	5.86E-05	4.19E-03
2364	494811.06	3860101.99	0.05346	0.12494	0.0203	0.01846	2.16E-04	3.73E-03	1.29E-04	5.83E-05	4.13E-03	1.97E-04	4.03E-09	1.72E-06	1.59E-06	2.00E-04	2.50E-04	3.73E-03	1.29E-04	5.83E-05	4.17E-03
2365	494861.06	3860101.99	0.05324	0.12552	0.0203	0.01832	2.15E-04	3.74E-03	1.29E-04	5.78E-05	4.15E-03	1.96E-04	4.05E-09	1.72E-06	1.58E-06	1.99E-04	2.49E-04	3.74E-03	1.29E-04	5.78E-05	4.18E-03
2366	494911.06	3860101.99	0.0531	0.12198	0.0204	0.01828	2.15E-04	3.64E-03	1.30E-04	5.77E-05	4.04E-03	1.95E-04	3.93E-09	1.74E-06	1.57E-06	1.99E-04	2.48E-04	3.64E-03	1.30E-04	5.77E-05	4.08E-03
2367	494961.06	3860101.99	0.05292	0.12089	0.0205	0.01818	2.14E-04	3.61E-03	1.31E-04	5.74E-05	4.01E-03	1.95E-04	3.90E-09	1.74E-06	1.57E-06	1.98E-04	2.47E-04	3.61E-03	1.31E-04	5.74E-05	4.04E-03
2368	495011.06	3860101.99	0.05274	0.11927	0.0206	0.01809	2.13E-04	3.56E-03	1.31E-04	5.71E-05	3.96E-03	1.94E-04	3.84E-09	1.75E-06	1.56E-06	1.97E-04	2.47E-04	3.56E-03	1.31E-04	5.71E-05	3.99E-03
2369	495061.06	3860101.99	0.05256	0.11778	0.0206	0.01801	2.12E-04	3.51E-03	1.32E-04	5.69E-05	3.91E-03	1.93E-04	3.80E-09	1.76E-06	1.55E-06	1.97E-04	2.46E-04	3.51E-03	1.32E-04	5.69E-05	3.95E-03
2370	495111.06	3860101.99	0.05238	0.11595	0.0208	0.01794	2.12E-04	3.46E-03	1.32E-04	5.66E-05	3.86E-03	1.93E-04	3.74E-09	1.77E-06	1.54E-06	1.96E-04	2.45E-04	3.46E-03	1.32E-04	5.66E-05	3.89E-03
2371	495161.06	3860101.99	0.05221	0.11502	0.0208	0.01784	2.11E-04	3.43E-03	1.33E-04	5.63E-05	3.83E-03	1.92E-04	3.71E-09	1.77E-06	1.54E-06	1.95E-04	2.44E-04	3.43E-03	1.33E-04	5.63E-05	3.86E-03
2372	495211.06	3860101.99	0.05204	0.11379	0.0209	0.01776	2.10E-04	3.39E-03	1.33E-04	5.61E-05	3.79E-03	1.91E-04	3.67E-09	1.78E-06	1.53E-06	1.95E-04	2.43E-04	3.39E-03	1.33E-04	5.61E-05	3.83E-03
2373	495261.06	3860101.99	0.05187	0.11256	0.021	0.01767	2.10E-04	3.36E-03	1.34E-04	5.58E-05	3.76E-03	1.91E-04	3.63E-09	1.78E-06	1.52E-06	1.94E-04	2.43E-04	3.36E-03	1.34E-04	5.58E-05	3.79E-03
2374	495311.06	3860101.99	0.0517	0.11149	0.021	0.01759	2.09E-04	3.33E-03	1.34E-04	5.55E-05	3.72E-03	1.90E-04	3.59E-09	1.79E-06	1.51E-06	1.93E-04	2.42E-04	3.33E-03	1.34E-04	5.55E-05	3.76E-03
2375	495361.06	3860101.99	0.05154	0.11071	0.021	0.01749	2.08E-04	3.30E-03	1.34E-04	5.52E-05	3.70E-03	1.89E-04	3.57E-09	1.79E-06	1.51E-06	1.93E-04	2.41E-04	3.30E-03	1.34E-04	5.52E-05	3.73E-03

2376	495411.06	3860101.99	0.05138	0.1095	0.0211	0.01742	2.08E-04	3.27E-03	1.35E-04	5.50E-05	3.66E-03	1.89E-04	3.53E-09	1.80E-06	1.50E-06	1.92E-04	2.40E-04	3.27E-03	1.35E-04	5.50E-05	3.70E-03
2377	495461.06	3860101.99	0.05102	0.10785	0.0213	0.01736	2.06E-04	3.22E-03	1.36E-04	5.48E-05	3.61E-03	1.88E-04	3.48E-09	1.81E-06	1.49E-06	1.91E-04	2.39E-04	3.22E-03	1.36E-04	5.48E-05	3.65E-03
2378	495511.06	3860101.99	0.05087	0.10711	0.0213	0.01727	2.06E-04	3.20E-03	1.36E-04	5.45E-05	3.59E-03	1.87E-04	3.45E-09	1.81E-06	1.49E-06	1.90E-04	2.38E-04	3.20E-03	1.36E-04	5.45E-05	3.62E-03
2379	495561.06	3860101.99	0.05073	0.10636	0.0213	0.01718	2.05E-04	3.17E-03	1.36E-04	5.42E-05	3.57E-03	1.87E-04	3.43E-09	1.81E-06	1.48E-06	1.90E-04	2.37E-04	3.17E-03	1.36E-04	5.42E-05	3.60E-03
2380	495611.06	3860101.99	0.05052	0.10476	0.0215	0.01712	2.04E-04	3.13E-03	1.37E-04	5.41E-05	3.52E-03	1.86E-04	3.38E-09	1.83E-06	1.47E-06	1.89E-04	2.36E-04	3.13E-03	1.37E-04	5.41E-05	3.55E-03
2381	495661.06	3860101.99	0.05036	0.10371	0.0215	0.01705	2.04E-04	3.09E-03	1.37E-04	5.38E-05	3.49E-03	1.85E-04	3.34E-09	1.83E-06	1.47E-06	1.88E-04	2.36E-04	3.09E-03	1.37E-04	5.38E-05	3.52E-03
2382	494861.06	3860151.99	0.05241	0.12627	0.0197	0.0179	2.12E-04	3.77E-03	1.25E-04	5.65E-05	4.16E-03	1.93E-04	4.07E-09	1.67E-06	1.54E-06	1.96E-04	2.45E-04	3.77E-03	1.25E-04	5.65E-05	4.19E-03
2383	494911.06	3860151.99	0.05233	0.12266	0.0197	0.01783	2.12E-04	3.66E-03	1.26E-04	5.63E-05	4.05E-03	1.92E-04	3.95E-09	1.67E-06	1.54E-06	1.96E-04	2.45E-04	3.66E-03	1.26E-04	5.63E-05	4.09E-03
2384	494961.06	3860151.99	0.05216	0.12121	0.0197	0.01775	2.11E-04	3.62E-03	1.26E-04	5.60E-05	4.01E-03	1.92E-04	3.91E-09	1.68E-06	1.53E-06	1.95E-04	2.44E-04	3.62E-03	1.26E-04	5.60E-05	4.04E-03
2385	495011.06	3860151.99	0.05199	0.11964	0.0198	0.01766	2.10E-04	3.57E-03	1.26E-04	5.58E-05	3.96E-03	1.91E-04	3.86E-09	1.68E-06	1.52E-06	1.94E-04	2.43E-04	3.57E-03	1.26E-04	5.58E-05	3.99E-03
2386	495061.06	3860151.99	0.05183	0.1181	0.0199	0.01758	2.10E-04	3.52E-03	1.27E-04	5.55E-05	3.92E-03	1.91E-04	3.81E-09	1.69E-06	1.51E-06	1.94E-04	2.42E-04	3.52E-03	1.27E-04	5.55E-05	3.95E-03
2387	495111.06	3860151.99	0.05165	0.11683	0.0199	0.0175	2.09E-04	3.49E-03	1.27E-04	5.53E-05	3.88E-03	1.90E-04	3.77E-09	1.69E-06	1.51E-06	1.93E-04	2.42E-04	3.49E-03	1.27E-04	5.53E-05	3.91E-03
2388	495161.06	3860151.99	0.05148	0.11568	0.02	0.01741	2.08E-04	3.45E-03	1.28E-04	5.50E-05	3.84E-03	1.89E-04	3.73E-09	1.70E-06	1.50E-06	1.92E-04	2.41E-04	3.45E-03	1.28E-04	5.50E-05	3.87E-03
2389	495211.06	3860151.99	0.05131	0.11438	0.0201	0.01733	2.07E-04	3.41E-03	1.28E-04	5.47E-05	3.80E-03	1.89E-04	3.69E-09	1.71E-06	1.49E-06	1.92E-04	2.40E-04	3.41E-03	1.28E-04	5.47E-05	3.83E-03
2390	495261.06	3860151.99	0.05115	0.11331	0.0201	0.01725	2.07E-04	3.38E-03	1.28E-04	5.45E-05	3.77E-03	1.88E-04	3.65E-09	1.71E-06	1.49E-06	1.91E-04	2.39E-04	3.38E-03	1.28E-04	5.45E-05	3.80E-03
2391	495311.06	3860151.99	0.05098	0.11223	0.0202	0.01717	2.06E-04	3.35E-03	1.29E-04	5.42E-05	3.74E-03	1.87E-04	3.62E-09	1.72E-06	1.48E-06	1.91E-04	2.38E-04	3.35E-03	1.29E-04	5.42E-05	3.77E-03
2392	495361.06	3860151.99	0.05082	0.11123	0.0202	0.01708	2.05E-04	3.32E-03	1.29E-04	5.39E-05	3.71E-03	1.87E-04	3.59E-09	1.72E-06	1.47E-06	1.90E-04	2.38E-04	3.32E-03	1.29E-04	5.39E-05	3.74E-03
2393	495411.06	3860151.99	0.05066	0.11007	0.0203	0.01701	2.05E-04	3.28E-03	1.29E-04	5.37E-05	3.67E-03	1.86E-04	3.55E-09	1.73E-06	1.46E-06	1.89E-04	2.37E-04	3.28E-03	1.29E-04	5.37E-05	3.70E-03
2394	495461.06	3860151.99	0.0505	0.10897	0.0204	0.01693	2.04E-04	3.25E-03	1.30E-04	5.35E-05	3.64E-03	1.86E-04	3.51E-09	1.73E-06	1.46E-06	1.89E-04	2.36E-04	3.25E-03	1.30E-04	5.35E-05	3.67E-03
2395	495511.06	3860151.99	0.05034	0.10767	0.0204	0.01686	2.03E-04	3.21E-03	1.30E-04	5.32E-05	3.60E-03	1.85E-04	3.47E-09	1.74E-06	1.45E-06	1.88E-04	2.35E-04	3.21E-03	1.30E-04	5.32E-05	3.63E-03
2396	495561.06	3860151.99	0.05019	0.10674	0.0205	0.01679	2.03E-04	3.18E-03	1.31E-04	5.30E-05	3.57E-03	1.85E-04	3.44E-09	1.74E-06	1.45E-06	1.88E-04	2.35E-04	3.18E-03	1.31E-04	5.30E-05	3.60E-03
2397	495611.06	3860151.99	0.05004	0.10551	0.0206	0.01672	2.02E-04	3.15E-03	1.31E-04	5.28E-05	3.53E-03	1.84E-04	3.40E-09	1.75E-06	1.44E-06	1.87E-04	2.34E-04	3.15E-03	1.31E-04	5.28E-05	3.57E-03
2398	495661.06	3860151.99	0.04988	0.10419	0.0207	0.01666	2.02E-04	3.11E-03	1.32E-04	5.26E-05	3.49E-03	1.83E-04	3.36E-09	1.76E-06	1.43E-06	1.87E-04	2.33E-04	3.11E-03	1.32E-04	5.26E-05	3.53E-03
2399	495718.25	3859442.96	0.0552	0.08293	0.0331	0.02095	2.23E-04	2.47E-03	2.11E-04	6.61E-05	2.97E-03	2.03E-04	2.67E-09	2.81E-06	1.80E-06	2.08E-04	2.58E-04	2.47E-03	2.11E-04	6.61E-05	3.01E-03
2400	495818.25	3859442.96	0.0544	0.08078	0.0328	0.02058	2.20E-04	2.41E-03	2.09E-04	6.50E-05	2.90E-03	2.00E-04	2.60E-09	2.79E-06	1.77E-06	2.05E-04	2.54E-04	2.41E-03	2.09E-04	6.50E-05	2.94E-03
2401	495918.25	3859442.96	0.05385	0.07919	0.0325	0.02027	2.18E-04	2.36E-03	2.07E-04	6.40E-05	2.85E-03	1.98E-04	2.55E-09	2.76E-06	1.75E-06	2.02E-04	2.52E-04	2.36E-03	2.07E-04	6.40E-05	2.89E-03
2402	496018.25	3859442.96	0.05339	0.07782	0.0323	0.01999	2.16E-04	2.32E-03	2.06E-04	6.31E-05	2.81E-03	1.96E-04	2.51E-09	2.75E-06	1.72E-06	2.01E-04	2.50E-04	2.32E-03	2.06E-04	6.31E-05	2.84E-03
2403	496118.25	3859442.96	0.0537	0.07809	0.0323	0.0199	2.17E-04	2.33E-03	2.06E-04	6.28E-05	2.82E-03	1.97E-04	2.52E-09	2.75E-06	1.71E-06	2.02E-04	2.51E-04	2.33E-03	2.06E-04	6.28E-05	2.85E-03
2404	496218.25	3859442.96	0.05388	0.07814	0.0324	0.01977	2.18E-04	2.33E-03	2.06E-04	6.24E-05	2.82E-03	1.98E-04	2.52E-09	2.75E-06	1.70E-06	2.03E-04	2.52E-04	2.33E-03	2.06E-04	6.24E-05	2.85E-03
2405	496318.25	3859442.96	0.05351	0.07695	0.0322	0.01953	2.16E-04	2.30E-03	2.05E-04	6.17E-05	2.78E-03	1.97E-04	2.48E-09	2.74E-06	1.68E-06	2.01E-04	2.50E-04	2.30E-03	2.05E-04	6.17E-05	2.81E-03
2406	496418.25	3859442.96	0.0531	0.0757	0.032	0.01927	2.15E-04	2.26E-03	2.04E-04	6.08E-05	2.74E-03	1.95E-04	2.44E-09	2.72E-06	1.66E-06	2.00E-04	2.48E-04	2.26E-03	2.04E-04	6.08E-05	2.77E-03
2407	495718.25	3859542.96	0.05522	0.08656	0.0319	0.0207	2.23E-04	2.58E-03	2.04E-04	6.54E-05	3.07E-03	2.03E-04	2.79E-09	2.71E-06	1.78E-06	2.08E-04	2.58E-04	2.58E-03	2.04E-04	6.54E-05	3.11E-03
2408	495818.25	3859542.96	0.05466	0.0848	0.0317	0.02041	2.21E-04	2.53E-03	2.02E-04	6.44E-05	3.02E-03	2.01E-04	2.73E-09	2.69E-06	1.76E-06	2.05E-04	2.56E-04	2.53E-03	2.02E-04	6.44E-05	3.05E-03
2409	495918.25	3859542.96	0.05398	0.08274	0.0314	0.02009	2.18E-04	2.47E-03	2.00E-04	6.34E-05	2.95E-03	1.98E-04	2.67E-09	2.67E-06	1.73E-06	2.03E-04	2.52E-04	2.47E-03	2.00E-04	6.34E-05	2.98E-03
2410	496018.25	3859542.96	0.0534	0.081	0.0312	0.01979	2.16E-04	2.42E-03	1.99E-04	6.25E-05	2.89E-03	1.96E-04	2.61E-09	2.65E-06	1.70E-06	2.01E-04	2.50E-04	2.42E-03	1.99E-04	6.25E-05	2.93E-03
2411	496118.25	3859542.96	0.05355	0.08122	0.0311	0.01968	2.16E-04	2.42E-03	1.98E-04	6.21E-05	2.90E-03	1.97E-04	2.62E-09	2.64E-06	1.69E-06	2.01E-04	2.50E-04	2.42E-03	1.98E-04	6.21E-05	2.93E-03
2412	496218.25	3859542.96	0.05351	0.08093	0.0309	0.01951	2.16E-04	2.41E-03	1.97E-04	6.16E-05	2.89E-03	1.97E-04	2.61E-09	2.63E-06	1.68E-06	2.01E-04	2.50E-04	2.41E-03	1.97E-04	6.16E-05	2.92E-03
2413	496318.25	3859542.96	0.05334	0.0803	0.0308	0.01932	2.16E-04	2.40E-03	1.96E-04	6.10E-05	2.87E-03	1.96E-04	2.59E-09	2.62E-06	1.66E-06	2.00E-04	2.49E-04	2.40E-03	1.96E-04	6.10E-05	2.90E-03
2414	496418.25	3859542.96	0.05279	0.07856	0.0306	0.01905	2.13E-04	2.34E-03	1.95E-04	6.01E-05	2.81E-03	1.94E-04	2.53E-09	2.60E-06	1.64E-06	1.98E-04	2.47E-04	2.34E-03	1.95E-04	6.01E-05	2.85E-03
2415	495718.25	3859642.96	0.05482	0.08966	0.0306	0.02027	2.22E-04	2.67E-03	1.95E-04	6.40E-05	3.16E-03	2.02E-04	2.89E-09	2.60E-06	1.75E-06	2.06E-04	2.56E-04	2.67E-03	1.95E-04	6.40E-05	3.19E-03
2416	495818.25	3859642.96	0.05421	0.08754	0.0305	0.01999	2.19E-04	2.61E-03	1.94E-04	6.31E-05	3.09E-03	1.99E-04	2.82E-09	2.59E-06	1.72E-06	2.04E-04	2.54E-04	2.61E-03	1.94E-04	6.31E-05	3.12E-03
2417	495918.25	3859642.96	0.05378	0.0861	0.0303	0.01975	2.17E-04	2.57E-03	1.93E-04	6.24E-05	3.04E-03	1.98E-04	2.78E-09	2.57E-06	1.70E-06	2.02E-04	2.52E-04	2.57E-03	1.93E-04	6.24E-05	3.08E-03
2418	496018.25	3859642.96	0.05323	0.08427	0.0301	0.01948	2.15E-04	2.51E-03	1.92E-04	6.15E-05	2.98E-03	1.96E-04	2.72E-09	2.56E-06	1.68E-06	2.00E-04	2.49E-04	2.51E-03	1.92E-04	6.15E-05	3.02E-03
2419	496118.25	3859642.96	0.05334	0.08475	0.0298	0.01936	2.16E-04	2.53E-03	1.90E-04	6.11E-05	3.00E-03	1.96E-04	2.73E-09	2.53E-06	1.67E-06	2.00E-04	2.49E-04	2.53E-03	1.90E-04	6.11E-05	3.03E-03
2420	496218.25	3859642.96	0.05327	0.08464	0.0296	0.01919	2.15E-04	2.53E-03	1.88E-04	6.06E-05	2.99E-03	1.96E-04	2.73E-09	2.51E-06	1.65E-06	2.00E-04	2.49E-04	2.53E-03	1.88E-04	6.06E-05	3.02E-03
2421	496318.25	3859642.96	0.05283	0.08313	0.0294	0.01896	2.14E-04	2.48E-03	1.88E-04	5.99E-05	2.94E-03	1.94E-04	2.68E-09	2.50E-06	1.63E-06	1.98E-04	2.47E-04	2.48E-03	1.88E-04	5.99E-05	2.97E-03
2422	496418.25	3859642.96	0.05144	0.0785	0.0293	0.01853	2.08E-04	2.34E-03	1.87E-04	5.85E-05	2.80E-03	1.89E-04	2.53E-09	2.49E-06	1.60E-06	1.93E-04	2.41E-04	2.34E-03	1.87E-04	5.85E-05	2.83E-03
2423	495718.25	3859742.96	0.05434	0.09367	0.0289	0.01973	2.20E-04	2.79E-03	1.84E-04	6.23E-05	3.26E-03	2.00E-04	3.02E-09	2.46E-06	1.70E-06	2.04E-04	2.54E-04	2.79E-03	1.84E-04	6.23E-05	3.30E-03
2424	495818.25	3859742.96	0.05375	0.09109	0.0289	0.01949	2.17E-04	2.72E-03	1.85E-04	6.15E-05	3.18E-03	1.98E-04	2.94E-09	2.46E-06	1.68E-06	2.02E-04	2.51E-04	2.72E-03	1.85E-04	6.15E-05	3.21E-03
2425	495918.25	3859742.96	0.05326	0.08918	0.0288	0.01926	2.15E-04	2.66E-03	1.84E-04	6.08E-05	3.12E-03	1.96E-04	2.87E-09	2.45E-06	1.66E-06	2.00E-04	2.49E-04	2.66E-03	1.84E-04	6.08E-05	3.15E-03
2426	496018.25	3859742.96	0.05274	0.08718	0.0288	0.01902	2.13E-04	2.60E-03	1.83E-04	6.01E-05	3.06E-03	1.94E-04	2.81E-09	2.45E-06	1.64E-06	1.98E-04	2.47E-04	2.60E-03	1.83E-04	6.01E-05	3.09E-03
2427	496118.25	3859742.96	0.05268	0.08734	0.0284	0.01886	2.13E-04	2.61E-03	1.81E-04	5.95E-05	3.06E-03	1.94E-04	2.82E-09	2.42E-06	1.62E-06	1.98E-04	2.46E-04	2.61E-03	1.81E-04	5.95E-05	3.09E-03
2428	496218.25	3859742.96	0.05269	0.08792	0.028	0.0187	2.13E-04	2.62E-03	1.79E-04	5.90E-05	3.07E-03	1.94E-04	2.83E-09	2.38E-06	1.61E-06	1.98E-04	2.46E-04	2.62E-03	1.79E-04	5.90E-05	3.11E-03
2429	496318.25	3859742.96	0.0517	0.08369	0.0282	0.01842	2.09E-04	2.50E-03	1.80E-04	5.82E-05	2.94E-03	1.90E-04	2.70E-09	2.40E-06	1.59E-06	1.94E-04	2.42E-04	2.50E-03	1.80E-04	5.82E-05	2.98E-03
2430	496418.25	3859742.96	0.05076	0.08001	0.0283	0.01818	2.05E-04	2.39E-03	1.81E-04	5.74E-05	2.83E-03	1.87E-04	2.58E-09	2.41E-06	1.57E-06	1.91E-04	2.37E-04	2.39E-03	1.81E-04	5.74E-05	2.86E-03
2431	495718.25	3859842.96	0.0534	0.09684	0.0269	0.01903	2.16E-04	2.89E-03	1.72E-04	6.01E-05	3.34E-03	1.96E-04	3.12E-09	2.29E-06	1.64E-06	2.00E-04	2.50E-04	2.89E-03	1.72E-04	6.01E-05	3.37E-03
2432	495818.25	3859842.96	0.05299	0.09473	0.027	0.01884	2.14E-04	2.83E-03	1.72E-04	5.95E-05	3.27E-03	1.95E-04	3.05E-09	2.29E-06	1.62E-06	1.99E-04	2.48E-04	2.83E-03	1.72E-04	5.95E-05	3.31E-03
2433	495918.25	3859842.96	0.05255	0.09261	0.027	0.01865	2.12E-04	2.76E-03	1.72E-04	5.89E-05	3.21E-03	1.93E-04	2.98E-09	2.30E-06	1.61E-06	1.97E-04	2.46E-04	2.76E-03	1.72E-04	5.89E-05	3.24E-03
2434	496018.25	3859842.96	0.05222	0.09129	0.0269	0.01846	2.11E-04	2.72E-03	1.72E-04	5.83E-05	3.16E-03	1.92E-04	2.94E-09	2.29E-06	1.59E-06	1.96E-04	2.44E-04	2.72E-03	1.72E-04	5.83E-05	3.20E-03
2435	496118.25	3859842.96	0.05221	0.09211	0.0264	0.01827	2.11E-04	2.75E-03	1.68E-04	5.77E-05	3.18E-03	1.92E-04	2.97E-09	2.24E-06	1.57E-06	1.96E-04	2.44E-04	2.75E-03	1.68E-04	5.77E-05	3.22E-03
2436	496218.25	3859842.96	0.05143	0.08795	0.0268	0.01809	2.08E-04	2.62E-03	1.71E-04	5.71E-05	3.06E-03	1.89E-04	2.83E-09	2.28E-06	1.56E-06	1.93E-04	2.41E-04	2.62E-03	1.71E-04	5.71E-05	3.09E-03

2437	496318.25	3859842.96	0.04982	0.08071	0.0275	0.01773	2.01E-04	2.41E-03	1.76E-04	5.60E-05	2.84E-03	1.83E-04	2.60E-09	2.34E-06	1.53E-06	1.87E-04	2.33E-04	2.41E-03	1.76E-04	5.60E-05	2.87E-03
2438	496418.25	3859842.96	0.0485	0.07623	0.0275	0.01734	1.96E-04	2.27E-03	1.75E-04	5.47E-05	2.70E-03	1.78E-04	2.46E-09	2.34E-06	1.49E-06	1.82E-04	2.27E-04	2.27E-03	1.75E-04	5.47E-05	2.73E-03
2439	495718.25	3859942.96	0.0522	0.0993	0.0249	0.01826	2.11E-04	2.96E-03	1.59E-04	5.77E-05	3.39E-03	1.92E-04	3.20E-09	2.11E-06	1.57E-06	1.96E-04	2.44E-04	2.96E-03	1.59E-04	5.77E-05	3.42E-03
2440	495818.25	3859942.96	0.05183	0.09698	0.025	0.0181	2.10E-04	2.89E-03	1.60E-04	5.71E-05	3.32E-03	1.91E-04	3.13E-09	2.13E-06	1.56E-06	1.94E-04	2.42E-04	2.89E-03	1.60E-04	5.71E-05	3.35E-03
2441	495918.25	3859942.96	0.05151	0.09532	0.025	0.01793	2.08E-04	2.84E-03	1.60E-04	5.66E-05	3.27E-03	1.89E-04	3.07E-09	2.13E-06	1.54E-06	1.93E-04	2.41E-04	2.84E-03	1.60E-04	5.66E-05	3.30E-03
2442	496018.25	3859942.96	0.05134	0.0952	0.0247	0.01773	2.08E-04	2.84E-03	1.58E-04	5.60E-05	3.26E-03	1.89E-04	3.07E-09	2.10E-06	1.53E-06	1.92E-04	2.40E-04	2.84E-03	1.58E-04	5.60E-05	3.29E-03
2443	496118.25	3859942.96	0.05083	0.09181	0.0251	0.0176	2.05E-04	2.74E-03	1.60E-04	5.56E-05	3.16E-03	1.87E-04	2.96E-09	2.14E-06	1.52E-06	1.91E-04	2.38E-04	2.74E-03	1.60E-04	5.56E-05	3.19E-03
2444	496218.25	3859942.96	0.05	0.08665	0.0259	0.01746	2.02E-04	2.59E-03	1.65E-04	5.51E-05	3.01E-03	1.84E-04	2.79E-09	2.20E-06	1.50E-06	1.88E-04	2.34E-04	2.59E-03	1.65E-04	5.51E-05	3.04E-03
2445	496318.25	3859942.96	0.04898	0.08167	0.0264	0.01722	1.98E-04	2.44E-03	1.69E-04	5.44E-05	2.86E-03	1.80E-04	2.63E-09	2.25E-06	1.48E-06	1.84E-04	2.29E-04	2.44E-03	1.69E-04	5.44E-05	2.89E-03
2446	496418.25	3859942.96	0.04735	0.07554	0.0267	0.01679	1.91E-04	2.25E-03	1.70E-04	5.30E-05	2.67E-03	1.74E-04	2.43E-09	2.27E-06	1.45E-06	1.78E-04	2.21E-04	2.25E-03	1.70E-04	5.30E-05	2.70E-03
2447	496856.82	3858864.83	0.04885	0.05645	0.0341	0.01867	1.97E-04	1.68E-03	2.18E-04	5.89E-05	2.16E-03	1.80E-04	1.82E-09	2.90E-06	1.61E-06	1.84E-04	2.28E-04	1.68E-03	2.18E-04	5.89E-05	2.19E-03
2448	496956.82	3858864.83	0.04824	0.05549	0.0336	0.01843	1.95E-04	1.66E-03	2.14E-04	5.82E-05	2.12E-03	1.77E-04	1.79E-09	2.85E-06	1.59E-06	1.82E-04	2.26E-04	1.66E-03	2.14E-04	5.82E-05	2.15E-03
2449	497056.82	3858864.83	0.04766	0.05455	0.033	0.01821	1.93E-04	1.63E-03	2.11E-04	5.75E-05	2.09E-03	1.75E-04	1.76E-09	2.81E-06	1.57E-06	1.80E-04	2.23E-04	1.63E-03	2.11E-04	5.75E-05	2.12E-03
2450	497156.82	3858864.83	0.04688	0.05345	0.0324	0.01795	1.89E-04	1.59E-03	2.07E-04	5.67E-05	2.05E-03	1.72E-04	1.72E-09	2.76E-06	1.55E-06	1.77E-04	2.19E-04	1.59E-03	2.07E-04	5.67E-05	2.08E-03
2451	497256.82	3858864.83	0.04675	0.05298	0.0322	0.01779	1.89E-04	1.58E-03	2.05E-04	5.62E-05	2.03E-03	1.72E-04	1.71E-09	2.74E-06	1.53E-06	1.76E-04	2.19E-04	1.58E-03	2.05E-04	5.62E-05	2.06E-03
2452	496856.82	3858964.83	0.04964	0.05876	0.0343	0.01865	2.01E-04	1.75E-03	2.19E-04	5.89E-05	2.23E-03	1.83E-04	1.89E-09	2.91E-06	1.61E-06	1.87E-04	2.32E-04	1.75E-03	2.19E-04	5.89E-05	2.26E-03
2453	496956.82	3858964.83	0.0487	0.05739	0.0336	0.01836	1.97E-04	1.71E-03	2.14E-04	5.80E-05	2.18E-03	1.79E-04	1.85E-09	2.86E-06	1.58E-06	1.83E-04	2.28E-04	1.71E-03	2.14E-04	5.80E-05	2.21E-03
2454	497056.82	3858964.83	0.04803	0.05633	0.0331	0.01811	1.94E-04	1.68E-03	2.11E-04	5.72E-05	2.14E-03	1.77E-04	1.82E-09	2.82E-06	1.56E-06	1.81E-04	2.25E-04	1.68E-03	2.11E-04	5.72E-05	2.17E-03
2455	497156.82	3858964.83	0.04734	0.05525	0.0326	0.01786	1.91E-04	1.65E-03	2.08E-04	5.64E-05	2.10E-03	1.74E-04	1.78E-09	2.77E-06	1.54E-06	1.78E-04	2.21E-04	1.65E-03	2.08E-04	5.64E-05	2.13E-03
2456	497256.82	3858964.83	0.04787	0.05547	0.0327	0.0178	1.94E-04	1.65E-03	2.09E-04	5.62E-05	2.11E-03	1.76E-04	1.79E-09	2.78E-06	1.53E-06	1.80E-04	2.24E-04	1.65E-03	2.09E-04	5.62E-05	2.14E-03
2457	496856.82	3859064.83	0.04966	0.06032	0.034	0.01849	2.01E-04	1.80E-03	2.17E-04	5.84E-05	2.28E-03	1.83E-04	1.94E-09	2.89E-06	1.59E-06	1.87E-04	2.32E-04	1.80E-03	2.17E-04	5.84E-05	2.31E-03
2458	496956.82	3859064.83	0.04894	0.05911	0.0335	0.01823	1.98E-04	1.76E-03	2.13E-04	5.76E-05	2.23E-03	1.80E-04	1.91E-09	2.85E-06	1.57E-06	1.84E-04	2.29E-04	1.76E-03	2.13E-04	5.76E-05	2.26E-03
2459	497056.82	3859064.83	0.04838	0.05811	0.033	0.018	1.96E-04	1.73E-03	2.11E-04	5.68E-05	2.20E-03	1.78E-04	1.87E-09	2.81E-06	1.55E-06	1.82E-04	2.26E-04	1.73E-03	2.11E-04	5.68E-05	2.23E-03
2460	497156.82	3859064.83	0.04791	0.05723	0.0327	0.01778	1.94E-04	1.71E-03	2.08E-04	5.61E-05	2.17E-03	1.76E-04	1.84E-09	2.78E-06	1.53E-06	1.80E-04	2.24E-04	1.71E-03	2.08E-04	5.61E-05	2.20E-03
2461	497256.82	3859064.83	0.04883	0.05793	0.0331	0.01778	1.97E-04	1.73E-03	2.11E-04	5.61E-05	2.19E-03	1.80E-04	1.87E-09	2.82E-06	1.53E-06	1.84E-04	2.28E-04	1.73E-03	2.11E-04	5.61E-05	2.22E-03
2462	496856.82	3859164.83	0.04913	0.06122	0.0331	0.01823	1.99E-04	1.83E-03	2.11E-04	5.76E-05	2.29E-03	1.81E-04	1.97E-09	2.82E-06	1.57E-06	1.85E-04	2.30E-04	1.83E-03	2.11E-04	5.76E-05	2.33E-03
2463	496956.82	3859164.83	0.04836	0.05989	0.0326	0.01795	1.95E-04	1.79E-03	2.08E-04	5.67E-05	2.25E-03	1.78E-04	1.93E-09	2.77E-06	1.55E-06	1.82E-04	2.26E-04	1.79E-03	2.08E-04	5.67E-05	2.28E-03
2464	497056.82	3859164.83	0.04814	0.05924	0.0325	0.01777	1.95E-04	1.77E-03	2.07E-04	5.61E-05	2.23E-03	1.77E-04	1.91E-09	2.76E-06	1.53E-06	1.81E-04	2.25E-04	1.77E-03	2.07E-04	5.61E-05	2.26E-03
2465	497156.82	3859164.83	0.04852	0.05934	0.0327	0.01769	1.96E-04	1.77E-03	2.08E-04	5.59E-05	2.23E-03	1.78E-04	1.91E-09	2.78E-06	1.52E-06	1.83E-04	2.27E-04	1.77E-03	2.08E-04	5.59E-05	2.26E-03
2466	497256.82	3859164.83	0.04961	0.06039	0.0334	0.01774	2.01E-04	1.80E-03	2.13E-04	5.60E-05	2.27E-03	1.82E-04	1.95E-09	2.84E-06	1.53E-06	1.87E-04	2.32E-04	1.80E-03	2.13E-04	5.60E-05	2.30E-03
2467	496856.82	3859264.83	0.04821	0.06164	0.0318	0.01788	1.95E-04	1.84E-03	2.03E-04	5.65E-05	2.29E-03	1.77E-04	1.99E-09	2.70E-06	1.54E-06	1.81E-04	2.25E-04	1.84E-03	2.03E-04	5.65E-05	2.32E-03
2468	496956.82	3859264.83	0.04821	0.06123	0.0318	0.01773	1.95E-04	1.83E-03	2.03E-04	5.60E-05	2.28E-03	1.77E-04	1.97E-09	2.70E-06	1.53E-06	1.81E-04	2.25E-04	1.83E-03	2.03E-04	5.60E-05	2.31E-03
2469	497056.82	3859264.83	0.04865	0.06141	0.0321	0.01766	1.97E-04	1.83E-03	2.04E-04	5.58E-05	2.29E-03	1.79E-04	1.98E-09	2.73E-06	1.52E-06	1.83E-04	2.28E-04	1.83E-03	2.04E-04	5.58E-05	2.32E-03
2470	497156.82	3859264.83	0.04897	0.06149	0.0323	0.01758	1.98E-04	1.83E-03	2.06E-04	5.55E-05	2.29E-03	1.80E-04	1.98E-09	2.75E-06	1.51E-06	1.84E-04	2.29E-04	1.83E-03	2.06E-04	5.55E-05	2.32E-03
2471	497256.82	3859264.83	0.04979	0.06234	0.0328	0.0176	2.01E-04	1.86E-03	2.09E-04	5.56E-05	2.33E-03	1.83E-04	2.01E-09	2.79E-06	1.52E-06	1.87E-04	2.33E-04	1.86E-03	2.09E-04	5.56E-05	2.36E-03
2472	497088.92	3858620.93	0.0455	0.04917	0.0329	0.01829	1.84E-04	1.47E-03	2.10E-04	5.77E-05	1.92E-03	1.67E-04	1.58E-09	2.80E-06	1.57E-06	1.72E-04	2.13E-04	1.47E-03	2.10E-04	5.77E-05	1.95E-03
2473	497138.92	3858620.93	0.04549	0.04902	0.0328	0.01822	1.84E-04	1.46E-03	2.09E-04	5.75E-05	1.91E-03	1.67E-04	1.58E-09	2.79E-06	1.57E-06	1.72E-04	2.13E-04	1.46E-03	2.09E-04	5.75E-05	1.94E-03
2474	497188.92	3858620.93	0.04499	0.04856	0.0325	0.01807	1.82E-04	1.45E-03	2.07E-04	5.71E-05	1.89E-03	1.65E-04	1.57E-09	2.76E-06	1.56E-06	1.70E-04	2.10E-04	1.45E-03	2.07E-04	5.71E-05	1.92E-03
2475	497238.92	3858620.93	0.04481	0.04826	0.0323	0.01798	1.81E-04	1.44E-03	2.06E-04	5.68E-05	1.88E-03	1.65E-04	1.56E-09	2.75E-06	1.55E-06	1.69E-04	2.10E-04	1.44E-03	2.06E-04	5.68E-05	1.91E-03
2476	497088.92	3858670.93	0.04521	0.04966	0.0323	0.01816	1.83E-04	1.48E-03	2.06E-04	5.73E-05	1.93E-03	1.66E-04	1.60E-09	2.75E-06	1.56E-06	1.71E-04	2.11E-04	1.48E-03	2.06E-04	5.73E-05	1.96E-03
2477	497138.92	3858670.93	0.04546	0.04974	0.0323	0.01812	1.84E-04	1.48E-03	2.06E-04	5.72E-05	1.93E-03	1.67E-04	1.60E-09	2.75E-06	1.56E-06	1.71E-04	2.13E-04	1.48E-03	2.06E-04	5.72E-05	1.96E-03
2478	497188.92	3858670.93	0.0451	0.04928	0.0321	0.01801	1.82E-04	1.47E-03	2.05E-04	5.69E-05	1.91E-03	1.66E-04	1.59E-09	2.73E-06	1.55E-06	1.70E-04	2.11E-04	1.47E-03	2.05E-04	5.69E-05	1.94E-03
2479	497238.92	3858670.93	0.04508	0.0491	0.032	0.01794	1.82E-04	1.46E-03	2.04E-04	5.66E-05	1.91E-03	1.66E-04	1.58E-09	2.72E-06	1.54E-06	1.70E-04	2.11E-04	1.46E-03	2.04E-04	5.66E-05	1.94E-03
2480	497088.92	3858720.93	0.04616	0.05108	0.0325	0.01819	1.87E-04	1.52E-03	2.07E-04	5.74E-05	1.98E-03	1.70E-04	1.65E-09	2.76E-06	1.57E-06	1.74E-04	2.16E-04	1.52E-03	2.07E-04	5.74E-05	2.00E-03
2481	497138.92	3858720.93	0.045	0.04998	0.0319	0.01799	1.82E-04	1.49E-03	2.03E-04	5.68E-05	1.93E-03	1.65E-04	1.61E-09	2.71E-06	1.55E-06	1.70E-04	2.10E-04	1.49E-03	2.03E-04	5.68E-05	1.96E-03
2482	497188.92	3858720.93	0.04481	0.04964	0.0317	0.0179	1.81E-04	1.48E-03	2.02E-04	5.65E-05	1.92E-03	1.65E-04	1.60E-09	2.69E-06	1.54E-06	1.69E-04	2.10E-04	1.48E-03	2.02E-04	5.65E-05	1.95E-03
2483	497238.92	3858720.93	0.04553	0.05005	0.032	0.0179	1.84E-04	1.49E-03	2.04E-04	5.65E-05	1.94E-03	1.67E-04	1.61E-09	2.72E-06	1.54E-06	1.72E-04	2.13E-04	1.49E-03	2.04E-04	5.65E-05	1.97E-03
2484	497088.92	3858770.93	0.04625	0.05183	0.0323	0.01811	1.87E-04	1.55E-03	2.06E-04	5.72E-05	2.00E-03	1.70E-04	1.67E-09	2.75E-06	1.56E-06	1.74E-04	2.16E-04	1.55E-03	2.06E-04	5.72E-05	2.03E-03
2485	497138.92	3858770.93	0.04584	0.05128	0.0321	0.01799	1.85E-04	1.53E-03	2.04E-04	5.68E-05	1.98E-03	1.69E-04	1.65E-09	2.73E-06	1.55E-06	1.73E-04	2.14E-04	1.53E-03	2.04E-04	5.68E-05	2.01E-03
2486	497188.92	3858770.93	0.04571	0.05088	0.032	0.01793	1.85E-04	1.52E-03	2.04E-04	5.66E-05	1.96E-03	1.68E-04	1.64E-09	2.72E-06	1.54E-06	1.72E-04	2.14E-04	1.52E-03	2.04E-04	5.66E-05	1.99E-03
2487	497238.92	3858770.93	0.04591	0.05102	0.0319	0.01786	1.86E-04	1.52E-03	2.03E-04	5.64E-05	1.97E-03	1.69E-04	1.64E-09	2.71E-06	1.54E-06	1.73E-04	2.15E-04	1.52E-03	2.03E-04	5.64E-05	2.00E-03
2488	497396.65	3858622.63	0.04687	0.04955	0.0328	0.018	1.89E-04	1.48E-03	2.09E-04	5.68E-05	1.93E-03	1.72E-04	1.60E-09	2.79E-06	1.55E-06	1.77E-04	2.19E-04	1.48E-03	2.09E-04	5.68E-05	1.96E-03
2489	497496.65	3858622.63	0.04795	0.05024	0.033	0.01802	1.94E-04	1.50E-03	2.11E-04	5.69E-05	1.96E-03	1.76E-04	1.62E-09	2.81E-06	1.55E-06	1.81E-04	2.24E-04	1.50E-03	2.11E-04	5.69E-05	1.99E-03
2490	497596.65	3858622.63	0.05	0.05174	0.0342	0.01819	2.02E-04	1.54E-03	2.18E-04	5.74E-05	2.02E-03	1.84E-04	1.67E-09	2.91E-06	1.57E-06	1.88E-04	2.34E-04	1.54E-03	2.18E-04	5.74E-05	2.05E-03
2491	497696.65	3858622.63	0.05046	0.05209	0.0341	0.01812	2.04E-04	1.55E-03	2.18E-04	5.72E-05	2.03E-03	1.86E-04	1.68E-09	2.90E-06	1.56E-06	1.90E-04	2.36E-04	1.55E-03	2.18E-04	5.72E-05	2.06E-03
2492	497796.65	3858622.63	0.05162	0.05302	0.0344	0.01818	2.09E-04	1.58E-03	2.19E-04	5.74E-05	2.07E-03	1.90E-04	1.71E-09	2.92E-06	1.57E-06	1.94E-04	2.41E-04	1.58E-03	2.19E-04	5.74E-05	2.10E-03
2493	497896.65	3858622.63	0.05275	0.05403	0.0347	0.01823	2.13E-04	1.61E-03	2.21E-04	5.76E-05	2.10E-03	1.94E-04	1.74E-09	2.95E-06	1.57E-06	1.98E-04	2.47E-04	1.61E-03	2.21E-04	5.76E-05	2.14E-03
2494	497396.65	3858722.63	0.04783	0.05169	0.0327	0.01798	1.93E-04	1.54E-03	2.09E-04	5.68E-05	2.00E-03	1.76E-04	1.67E-09	2.78E-06	1.55E-06	1.80E-04	2.24E-04	1.54E-03	2.09E-04	5.68E-05	2.03E-03
2495	497496.65	3858722.63	0.04891	0.05243	0.0333	0.01799	1.98E-04	1.56E-03	2.12E-04	5.68E-05	2.03E-03	1.80E-04	1.69E-09	2.83E-06	1.55E-06	1.84E-04	2.29E-04	1.56E-03	2.12E-04	5.68E-05	2.06E-03
2496	497596.65	3858722.63	0.05071	0.05393	0.034	0.01814	2.05E-04	1.61E-03	2.17E-04	5.73E-05	2.09E-03	1.86E-04	1.74E-09	2.89E-06	1.56E-06	1.91E-04	2.37E-04	1.61E-03	2.17E-04	5.73E-05	2.12E-03
2497	497696.65	3858722.63	0.05169	0.05473	0.0343	0.01816	2.09E-04	1.63E-03	2.18E-04	5.73E-05	2.12E-03	1.90E-04	1.76E-09	2.91E-06	1.56E-06	1.95E-04	2.42E-04	1.63E-03	2.18E-04	5.73E-05	2.15E-03

2498	497796.65	3858722.63	0.05219	0.05504	0.0344	0.01811	2.11E-04	1.64E-03	2.19E-04	5.72E-05	2.13E-03	1.92E-04	1.77E-09	2.92E-06	1.56E-06	1.96E-04	2.44E-04	1.64E-03	2.19E-04	5.72E-05	2.16E-03
2499	497896.65	3858722.63	0.05293	0.05569	0.0346	0.01812	2.14E-04	1.66E-03	2.21E-04	5.72E-05	2.15E-03	1.95E-04	1.79E-09	2.95E-06	1.56E-06	1.99E-04	2.48E-04	1.66E-03	2.21E-04	5.72E-05	2.19E-03
2500	497396.65	3858822.63	0.04819	0.05339	0.033	0.01788	1.95E-04	1.59E-03	2.10E-04	5.65E-05	2.05E-03	1.77E-04	1.72E-09	2.80E-06	1.54E-06	1.82E-04	2.25E-04	1.59E-03	2.10E-04	5.65E-05	2.08E-03
2501	497496.65	3858822.63	0.0491	0.05401	0.0332	0.01788	1.98E-04	1.61E-03	2.12E-04	5.65E-05	2.08E-03	1.81E-04	1.74E-09	2.82E-06	1.54E-06	1.85E-04	2.30E-04	1.61E-03	2.12E-04	5.65E-05	2.11E-03
2502	497596.65	3858822.63	0.05129	0.05591	0.0344	0.01811	2.07E-04	1.67E-03	2.20E-04	5.72E-05	2.15E-03	1.89E-04	1.80E-09	2.93E-06	1.56E-06	1.93E-04	2.40E-04	1.67E-03	2.20E-04	5.72E-05	2.18E-03
2503	497696.65	3858822.63	0.05182	0.05643	0.0343	0.01804	2.09E-04	1.68E-03	2.19E-04	5.70E-05	2.17E-03	1.91E-04	1.82E-09	2.92E-06	1.55E-06	1.95E-04	2.42E-04	1.68E-03	2.19E-04	5.70E-05	2.20E-03
2504	497796.65	3858822.63	0.0524	0.05672	0.0348	0.01804	2.12E-04	1.69E-03	2.22E-04	5.70E-05	2.18E-03	1.93E-04	1.83E-09	2.96E-06	1.55E-06	1.97E-04	2.45E-04	1.69E-03	2.22E-04	5.70E-05	2.22E-03
2505	497896.65	3858822.63	0.05353	0.05807	0.0352	0.01808	2.16E-04	1.73E-03	2.24E-04	5.71E-05	2.23E-03	1.97E-04	1.87E-09	2.99E-06	1.56E-06	2.01E-04	2.50E-04	1.73E-03	2.24E-04	5.71E-05	2.26E-03
2506	497396.65	3858922.63	0.04858	0.05519	0.033	0.01779	1.96E-04	1.65E-03	2.10E-04	5.62E-05	2.11E-03	1.79E-04	1.78E-09	2.80E-06	1.53E-06	1.83E-04	2.27E-04	1.65E-03	2.10E-04	5.62E-05	2.14E-03
2507	497496.65	3858922.63	0.0503	0.0568	0.0338	0.01791	2.03E-04	1.69E-03	2.16E-04	5.65E-05	2.17E-03	1.85E-04	1.83E-09	2.88E-06	1.54E-06	1.89E-04	2.35E-04	1.69E-03	2.16E-04	5.65E-05	2.20E-03
2508	497596.65	3858922.63	0.0503	0.05653	0.0337	0.01779	2.03E-04	1.69E-03	2.15E-04	5.62E-05	2.16E-03	1.85E-04	1.82E-09	2.87E-06	1.53E-06	1.89E-04	2.35E-04	1.69E-03	2.15E-04	5.62E-05	2.19E-03
2509	497696.65	3858922.63	0.05228	0.0585	0.0352	0.01801	2.11E-04	1.75E-03	2.24E-04	5.69E-05	2.24E-03	1.92E-04	1.89E-09	2.99E-06	1.55E-06	1.97E-04	2.44E-04	1.75E-03	2.24E-04	5.69E-05	2.27E-03
2510	497796.65	3858922.63	0.05304	0.05947	0.0353	0.01799	2.14E-04	1.77E-03	2.25E-04	5.68E-05	2.27E-03	1.95E-04	1.92E-09	3.00E-06	1.55E-06	2.00E-04	2.48E-04	1.77E-03	2.25E-04	5.68E-05	2.30E-03
2511	497896.65	3858922.63	0.05453	0.06136	0.0365	0.01818	2.20E-04	1.83E-03	2.33E-04	5.74E-05	2.34E-03	2.00E-04	1.98E-09	3.11E-06	1.57E-06	2.05E-04	2.55E-04	1.83E-03	2.33E-04	5.74E-05	2.38E-03
2512	497364.44	3858201.52	0.04476	0.04357	0.0361	0.01832	1.81E-04	1.30E-03	2.30E-04	5.78E-05	1.77E-03	1.65E-04	1.40E-09	3.07E-06	1.58E-06	1.69E-04	2.09E-04	1.30E-03	2.30E-04	5.78E-05	1.80E-03
2513	497414.44	3858201.52	0.0455	0.04396	0.0362	0.01834	1.84E-04	1.31E-03	2.31E-04	5.79E-05	1.78E-03	1.67E-04	1.42E-09	3.08E-06	1.58E-06	1.72E-04	2.13E-04	1.31E-03	2.31E-04	5.79E-05	1.81E-03
2514	497464.44	3858201.52	0.04595	0.04423	0.0362	0.01833	1.86E-04	1.32E-03	2.31E-04	5.79E-05	1.79E-03	1.69E-04	1.43E-09	3.08E-06	1.58E-06	1.74E-04	2.15E-04	1.32E-03	2.31E-04	5.79E-05	1.82E-03
2515	497514.44	3858201.52	0.04594	0.04424	0.0361	0.01827	1.86E-04	1.32E-03	2.30E-04	5.77E-05	1.79E-03	1.69E-04	1.43E-09	3.07E-06	1.57E-06	1.74E-04	2.15E-04	1.32E-03	2.30E-04	5.77E-05	1.82E-03
2516	497564.44	3858201.52	0.04576	0.04404	0.0359	0.0182	1.85E-04	1.31E-03	2.29E-04	5.75E-05	1.79E-03	1.68E-04	1.42E-09	3.05E-06	1.57E-06	1.73E-04	2.14E-04	1.31E-03	2.29E-04	5.75E-05	1.81E-03
2517	497614.44	3858201.52	0.04587	0.04407	0.0358	0.01816	1.85E-04	1.31E-03	2.28E-04	5.73E-05	1.79E-03	1.69E-04	1.42E-09	3.04E-06	1.56E-06	1.73E-04	2.15E-04	1.31E-03	2.28E-04	5.73E-05	1.81E-03
2518	497364.44	3858251.52	0.04557	0.04465	0.0358	0.01835	1.84E-04	1.33E-03	2.28E-04	5.79E-05	1.80E-03	1.68E-04	1.44E-09	3.04E-06	1.58E-06	1.72E-04	2.13E-04	1.33E-03	2.28E-04	5.79E-05	1.83E-03
2519	497414.44	3858251.52	0.04626	0.04512	0.0359	0.01839	1.87E-04	1.35E-03	2.29E-04	5.81E-05	1.82E-03	1.70E-04	1.45E-09	3.05E-06	1.58E-06	1.75E-04	2.16E-04	1.35E-03	2.29E-04	5.81E-05	1.85E-03
2520	497464.44	3858251.52	0.04589	0.04475	0.0356	0.01828	1.85E-04	1.34E-03	2.27E-04	5.77E-05	1.81E-03	1.69E-04	1.44E-09	3.03E-06	1.57E-06	1.73E-04	2.15E-04	1.34E-03	2.27E-04	5.77E-05	1.83E-03
2521	497514.44	3858251.52	0.04541	0.04429	0.0354	0.01817	1.84E-04	1.32E-03	2.26E-04	5.74E-05	1.79E-03	1.67E-04	1.43E-09	3.01E-06	1.56E-06	1.72E-04	2.12E-04	1.32E-03	2.26E-04	5.74E-05	1.82E-03
2522	497564.44	3858251.52	0.04528	0.04411	0.0352	0.0181	1.83E-04	1.32E-03	2.25E-04	5.71E-05	1.78E-03	1.66E-04	1.42E-09	2.99E-06	1.56E-06	1.71E-04	2.12E-04	1.32E-03	2.25E-04	5.71E-05	1.81E-03
2523	497614.44	3858251.52	0.04515	0.04394	0.0351	0.01804	1.83E-04	1.31E-03	2.24E-04	5.70E-05	1.77E-03	1.66E-04	1.42E-09	2.98E-06	1.55E-06	1.71E-04	2.11E-04	1.31E-03	2.24E-04	5.70E-05	1.80E-03
2524	497364.44	3858301.52	0.04573	0.04521	0.0353	0.01836	1.85E-04	1.35E-03	2.25E-04	5.80E-05	1.82E-03	1.68E-04	1.46E-09	3.00E-06	1.58E-06	1.73E-04	2.14E-04	1.35E-03	2.25E-04	5.80E-05	1.85E-03
2525	497414.44	3858301.52	0.04613	0.0455	0.0353	0.01833	1.86E-04	1.36E-03	2.25E-04	5.79E-05	1.83E-03	1.70E-04	1.47E-09	3.00E-06	1.58E-06	1.74E-04	2.16E-04	1.36E-03	2.25E-04	5.79E-05	1.86E-03
2526	497464.44	3858301.52	0.04564	0.04503	0.035	0.01821	1.84E-04	1.34E-03	2.23E-04	5.75E-05	1.81E-03	1.68E-04	1.45E-09	2.98E-06	1.57E-06	1.72E-04	2.13E-04	1.34E-03	2.23E-04	5.75E-05	1.84E-03
2527	497514.44	3858301.52	0.04532	0.0447	0.0348	0.01812	1.83E-04	1.33E-03	2.22E-04	5.72E-05	1.80E-03	1.67E-04	1.44E-09	2.96E-06	1.56E-06	1.71E-04	2.12E-04	1.33E-03	2.22E-04	5.72E-05	1.82E-03
2528	497564.44	3858301.52	0.04481	0.0442	0.0345	0.018	1.81E-04	1.32E-03	2.20E-04	5.68E-05	1.78E-03	1.65E-04	1.42E-09	2.94E-06	1.55E-06	1.69E-04	2.10E-04	1.32E-03	2.20E-04	5.68E-05	1.81E-03
2529	497614.44	3858301.52	0.04466	0.044	0.0344	0.01793	1.81E-04	1.31E-03	2.19E-04	5.66E-05	1.77E-03	1.64E-04	1.42E-09	2.92E-06	1.54E-06	1.69E-04	2.09E-04	1.31E-03	2.19E-04	5.66E-05	1.80E-03
2530	497364.44	3858351.52	0.04595	0.04594	0.0349	0.01832	1.86E-04	1.37E-03	2.23E-04	5.78E-05	1.84E-03	1.69E-04	1.48E-09	2.97E-06	1.58E-06	1.73E-04	2.15E-04	1.37E-03	2.23E-04	5.78E-05	1.87E-03
2531	497414.44	3858351.52	0.04565	0.04561	0.0347	0.01823	1.85E-04	1.36E-03	2.21E-04	5.76E-05	1.82E-03	1.68E-04	1.47E-09	2.95E-06	1.57E-06	1.72E-04	2.13E-04	1.36E-03	2.21E-04	5.76E-05	1.85E-03
2532	497464.44	3858351.52	0.04555	0.04544	0.0345	0.01816	1.84E-04	1.36E-03	2.20E-04	5.73E-05	1.82E-03	1.67E-04	1.46E-09	2.94E-06	1.56E-06	1.72E-04	2.13E-04	1.36E-03	2.20E-04	5.73E-05	1.85E-03
2533	497514.44	3858351.52	0.0453	0.04516	0.0343	0.01807	1.83E-04	1.35E-03	2.19E-04	5.71E-05	1.81E-03	1.67E-04	1.46E-09	2.92E-06	1.56E-06	1.71E-04	2.12E-04	1.35E-03	2.19E-04	5.71E-05	1.84E-03
2534	497564.44	3858351.52	0.04467	0.04457	0.034	0.01793	1.81E-04	1.33E-03	2.17E-04	5.66E-05	1.78E-03	1.64E-04	1.44E-09	2.89E-06	1.54E-06	1.69E-04	2.09E-04	1.33E-03	2.17E-04	5.66E-05	1.81E-03
2535	497614.44	3858351.52	0.04454	0.04438	0.0338	0.01786	1.80E-04	1.32E-03	2.16E-04	5.64E-05	1.78E-03	1.64E-04	1.43E-09	2.88E-06	1.54E-06	1.68E-04	2.08E-04	1.32E-03	2.16E-04	5.64E-05	1.80E-03
2536	497364.44	3858401.52	0.04561	0.04609	0.0344	0.01825	1.84E-04	1.38E-03	2.19E-04	5.76E-05	1.84E-03	1.68E-04	1.49E-09	2.93E-06	1.57E-06	1.72E-04	2.13E-04	1.38E-03	2.19E-04	5.76E-05	1.87E-03
2537	497414.44	3858401.52	0.04541	0.04592	0.0341	0.01814	1.84E-04	1.37E-03	2.18E-04	5.73E-05	1.83E-03	1.67E-04	1.48E-09	2.90E-06	1.56E-06	1.71E-04	2.12E-04	1.37E-03	2.18E-04	5.73E-05	1.86E-03
2538	497464.44	3858401.52	0.04508	0.04556	0.0339	0.01804	1.82E-04	1.36E-03	2.16E-04	5.70E-05	1.81E-03	1.66E-04	1.47E-09	2.88E-06	1.55E-06	1.70E-04	2.11E-04	1.36E-03	2.16E-04	5.70E-05	1.84E-03
2539	497514.44	3858401.52	0.04491	0.04534	0.0337	0.01797	1.82E-04	1.35E-03	2.15E-04	5.67E-05	1.81E-03	1.65E-04	1.46E-09	2.87E-06	1.55E-06	1.70E-04	2.10E-04	1.35E-03	2.15E-04	5.67E-05	1.83E-03
2540	497564.44	3858401.52	0.04542	0.04563	0.0339	0.01797	1.84E-04	1.36E-03	2.16E-04	5.67E-05	1.82E-03	1.67E-04	1.47E-09	2.88E-06	1.55E-06	1.71E-04	2.12E-04	1.36E-03	2.16E-04	5.67E-05	1.85E-03
2541	497614.44	3858401.52	0.04608	0.04597	0.034	0.01799	1.86E-04	1.37E-03	2.17E-04	5.68E-05	1.83E-03	1.69E-04	1.48E-09	2.89E-06	1.55E-06	1.74E-04	2.15E-04	1.37E-03	2.17E-04	5.68E-05	1.86E-03
2542	493478.11	3860497.94	0.04769	0.1554	0.0145	0.0176	1.93E-04	4.64E-03	9.22E-05	5.56E-05	4.98E-03	1.75E-04	5.01E-09	1.23E-06	1.52E-06	1.78E-04	2.23E-04	4.64E-03	9.22E-05	5.56E-05	5.01E-03
2543	493528.11	3860497.94	0.04782	0.15386	0.0145	0.01752	1.93E-04	4.59E-03	9.27E-05	5.53E-05	4.93E-03	1.76E-04	4.96E-09	1.24E-06	1.51E-06	1.79E-04	2.24E-04	4.59E-03	9.27E-05	5.53E-05	4.96E-03
2544	493478.11	3860547.94	0.04633	0.15279	0.0139	0.01712	1.87E-04	4.56E-03	8.84E-05	5.41E-05	4.89E-03	1.70E-04	4.92E-09	1.18E-06	1.47E-06	1.73E-04	2.17E-04	4.56E-03	8.84E-05	5.41E-05	4.92E-03
2545	493528.11	3860547.94	0.04646	0.15142	0.0139	0.01705	1.88E-04	4.52E-03	8.87E-05	5.38E-05	4.85E-03	1.71E-04	4.88E-09	1.18E-06	1.47E-06	1.73E-04	2.17E-04	4.52E-03	8.87E-05	5.38E-05	4.88E-03
2546	493478.11	3860597.94	0.04501	0.15017	0.0133	0.01663	1.82E-04	4.48E-03	8.50E-05	5.25E-05	4.80E-03	1.65E-04	4.84E-09	1.13E-06	1.43E-06	1.68E-04	2.10E-04	4.48E-03	8.50E-05	5.25E-05	4.83E-03
2547	493528.11	3860597.94	0.04515	0.14872	0.0134	0.01658	1.83E-04	4.44E-03	8.52E-05	5.23E-05	4.76E-03	1.66E-04	4.79E-09	1.14E-06	1.43E-06	1.69E-04	2.11E-04	4.44E-03	8.52E-05	5.23E-05	4.79E-03
2548	493561.88	3860524.64	0.0472	0.15149	0.0142	0.01722	1.91E-04	4.52E-03	9.08E-05	5.44E-05	4.86E-03	1.74E-04	4.88E-09	1.21E-06	1.48E-06	1.76E-04	2.21E-04	4.52E-03	9.08E-05	5.44E-05	4.89E-03
2549	493591.88	3860524.64	0.04731	0.15054	0.0143	0.01715	1.91E-04	4.49E-03	9.13E-05	5.41E-05	4.83E-03	1.74E-04	4.85E-09	1.22E-06	1.48E-06	1.77E-04	2.21E-04	4.49E-03	9.13E-05	5.41E-05	4.86E-03
2550	493561.88	3860554.64	0.04638	0.15005	0.0139	0.01694	1.87E-04	4.48E-03	8.85E-05	5.35E-05	4.81E-03	1.71E-04	4.84E-09	1.18E-06	1.46E-06	1.73E-04	2.17E-04	4.48E-03	8.85E-05	5.35E-05	4.84E-03
2551	493591.88	3860554.64	0.04654	0.14902	0.014	0.01687	1.88E-04	4.45E-03	8.90E-05	5.33E-05	4.78E-03	1.71E-04	4.80E-09	1.19E-06	1.45E-06	1.74E-04	2.18E-04	4.45E-03	8.90E-05	5.33E-05	4.81E-03
2552	492880.5	3860293.11	0.05091	0.19104	0.0157	0.02159	2.06E-04	5.70E-03	1.00E-04	6.82E-05	6.07E-03	1.87E-04	6.16E-09	1.33E-06	1.86E-06	1.90E-04	2.38E-04	5.70E-03	1.00E-04	6.82E-05	6.11E-03
2553	492930.5	3860293.11	0.05124	0.18849	0.0159	0.02138	2.07E-04	5.62E-03	1.01E-04	6.75E-05	6.00E-03	1.88E-04	6.08E-09	1.35E-06	1.84E-06	1.92E-04	2.40E-04	5.62E-03	1.01E-04	6.75E-05	6.03E-03
2554	492980.5	3860293.11	0.05157	0.18591	0.0161	0.02117	2.08E-04	5.55E-03	1.03E-04	6.68E-05	5.92E-03	1.90E-04	5.99E-09	1.37E-06	1.82E-06	1.93E-04	2.41E-04	5.55E-03	1.03E-04	6.68E-05	5.96E-03
2555	493030.5	3860293.11	0.05212	0.18217	0.0163	0.0209	2.11E-04	5.43E-03	1.04E-04	6.60E-05	5.82E-03	1.92E-04	5.87E-09	1.38E-06	1.80E-06	1.95E-04	2.44E-04	5.43E-03	1.04E-04	6.60E-05	5.85E-03
2556	493080.5	3860293.11	0.05264	0.17729	0.016	0.02069	2.13E-04	5.29E-03	1.02E-04	6.53E-05	5.67E-03	1.94E-04	5.71E-09	1.36E-06	1.78E-06	1.97E-04	2.46E-04	5.29E-03	1.02E-04	6.53E-05	5.70E-03
2557	493130.5	3860293.11	0.05262	0.17712	0.0163	0.02057	2.13E-04	5.28E-03	1.04E-04	6.49E-05	5.67E-03	1.93E-04	5.71E-09	1.39E-06	1.77E-06	1.97E-04	2.46E-04	5.28E-03	1.04E-04	6.49E-05	5.70E-03
2558	493180.5	3860293.11	0.0526	0.17623	0.0166	0.02047	2.13E-04	5.26E-03	1.06E-04	6.46E-05	5.64E-03	1.93E-04	5.68E-09	1.41E-06	1.76E-06	1.97E-04	2.46E-04	5.26E-03	1.06E-04	6.46E-05	5.67E-03

2559	493230.5	3860293.11	0.05271	0.17439	0.0168	0.02034	2.13E-04	5.20E-03	1.07E-04	6.42E-05	5.59E-03	1.94E-04	5.62E-09	1.43E-06	1.75E-06	1.97E-04	2.47E-04	5.20E-03	1.07E-04	6.42E-05	5.62E-03
2560	493280.5	3860293.11	0.05299	0.17153	0.0167	0.02017	2.14E-04	5.12E-03	1.07E-04	6.37E-05	5.50E-03	1.95E-04	5.53E-09	1.42E-06	1.74E-06	1.98E-04	2.48E-04	5.12E-03	1.07E-04	6.37E-05	5.54E-03
2561	493330.5	3860293.11	0.05317	0.16917	0.0168	0.02002	2.15E-04	5.05E-03	1.07E-04	6.32E-05	5.43E-03	1.95E-04	5.45E-09	1.42E-06	1.72E-06	1.99E-04	2.49E-04	5.05E-03	1.07E-04	6.32E-05	5.47E-03
2562	493380.5	3860293.11	0.05329	0.16708	0.0168	0.01988	2.15E-04	4.98E-03	1.07E-04	6.28E-05	5.37E-03	1.96E-04	5.39E-09	1.43E-06	1.71E-06	1.99E-04	2.49E-04	4.98E-03	1.07E-04	6.28E-05	5.40E-03
2563	492880.5	3860343.11	0.04929	0.18796	0.015	0.02098	1.99E-04	5.61E-03	9.57E-05	6.62E-05	5.97E-03	1.81E-04	6.06E-09	1.28E-06	1.81E-06	1.84E-04	2.31E-04	5.61E-03	9.57E-05	6.62E-05	6.00E-03
2564	492930.5	3860343.11	0.0496	0.18561	0.0151	0.02079	2.00E-04	5.54E-03	9.65E-05	6.56E-05	5.90E-03	1.82E-04	5.98E-09	1.29E-06	1.79E-06	1.85E-04	2.32E-04	5.54E-03	9.65E-05	6.56E-05	5.93E-03
2565	492980.5	3860343.11	0.05022	0.18234	0.0156	0.02047	2.03E-04	5.44E-03	9.93E-05	6.46E-05	5.81E-03	1.85E-04	5.88E-09	1.32E-06	1.76E-06	1.88E-04	2.35E-04	5.44E-03	9.93E-05	6.46E-05	5.84E-03
2566	493030.5	3860343.11	0.05047	0.1801	0.0157	0.02031	2.04E-04	5.37E-03	1.00E-04	6.41E-05	5.74E-03	1.86E-04	5.80E-09	1.34E-06	1.75E-06	1.89E-04	2.36E-04	5.37E-03	1.00E-04	6.41E-05	5.77E-03
2567	493080.5	3860343.11	0.051	0.17627	0.0156	0.02008	2.06E-04	5.26E-03	9.98E-05	6.34E-05	5.63E-03	1.88E-04	5.68E-09	1.33E-06	1.73E-06	1.91E-04	2.39E-04	5.26E-03	9.98E-05	6.34E-05	5.66E-03
2568	493130.5	3860343.11	0.05113	0.17474	0.0158	0.01996	2.07E-04	5.21E-03	1.01E-04	6.30E-05	5.58E-03	1.88E-04	5.63E-09	1.34E-06	1.72E-06	1.91E-04	2.39E-04	5.21E-03	1.01E-04	6.30E-05	5.62E-03
2569	493180.5	3860343.11	0.05109	0.1739	0.016	0.0199	2.07E-04	5.19E-03	1.02E-04	6.28E-05	5.56E-03	1.88E-04	5.60E-09	1.36E-06	1.71E-06	1.91E-04	2.39E-04	5.19E-03	1.02E-04	6.28E-05	5.59E-03
2570	493230.5	3860343.11	0.05125	0.17202	0.0161	0.01977	2.07E-04	5.13E-03	1.03E-04	6.24E-05	5.50E-03	1.88E-04	5.54E-09	1.37E-06	1.70E-06	1.91E-04	2.40E-04	5.13E-03	1.03E-04	6.24E-05	5.54E-03
2571	493280.5	3860343.11	0.05157	0.16938	0.0162	0.01959	2.08E-04	5.05E-03	1.03E-04	6.19E-05	5.43E-03	1.90E-04	5.46E-09	1.38E-06	1.69E-06	1.93E-04	2.41E-04	5.05E-03	1.03E-04	6.19E-05	5.46E-03
2572	493330.5	3860343.11	0.0518	0.16697	0.0162	0.01944	2.09E-04	4.98E-03	1.03E-04	6.14E-05	5.36E-03	1.90E-04	5.38E-09	1.38E-06	1.67E-06	1.93E-04	2.42E-04	4.98E-03	1.03E-04	6.14E-05	5.39E-03
2573	493380.5	3860343.11	0.05194	0.16504	0.0163	0.01932	2.10E-04	4.92E-03	1.04E-04	6.10E-05	5.30E-03	1.91E-04	5.32E-09	1.38E-06	1.66E-06	1.94E-04	2.43E-04	4.92E-03	1.04E-04	6.10E-05	5.33E-03
2574	492880.5	3860393.11	0.04772	0.18473	0.0144	0.02038	1.93E-04	5.51E-03	9.19E-05	6.43E-05	5.86E-03	1.75E-04	5.95E-09	1.23E-06	1.75E-06	1.78E-04	2.23E-04	5.51E-03	9.19E-05	6.43E-05	5.89E-03
2575	492930.5	3860393.11	0.04808	0.18237	0.0146	0.02017	1.94E-04	5.44E-03	9.28E-05	6.37E-05	5.79E-03	1.77E-04	5.88E-09	1.24E-06	1.74E-06	1.80E-04	2.25E-04	5.44E-03	9.28E-05	6.37E-05	5.82E-03
2576	492980.5	3860393.11	0.04853	0.17987	0.0148	0.01994	1.96E-04	5.37E-03	9.43E-05	6.30E-05	5.72E-03	1.78E-04	5.80E-09	1.26E-06	1.72E-06	1.81E-04	2.27E-04	5.37E-03	9.43E-05	6.30E-05	5.75E-03
2577	493030.5	3860393.11	0.0489	0.17745	0.015	0.01974	1.98E-04	5.29E-03	9.55E-05	6.23E-05	5.65E-03	1.80E-04	5.72E-09	1.27E-06	1.70E-06	1.83E-04	2.29E-04	5.29E-03	9.55E-05	6.23E-05	5.68E-03
2578	493080.5	3860393.11	0.04944	0.17412	0.0153	0.01949	2.00E-04	5.19E-03	9.74E-05	6.15E-05	5.55E-03	1.82E-04	5.61E-09	1.30E-06	1.68E-06	1.85E-04	2.31E-04	5.19E-03	9.74E-05	6.15E-05	5.58E-03
2579	493130.5	3860393.11	0.04954	0.17272	0.0154	0.0194	2.00E-04	5.15E-03	9.79E-05	6.13E-05	5.51E-03	1.82E-04	5.57E-09	1.31E-06	1.67E-06	1.85E-04	2.32E-04	5.15E-03	9.79E-05	6.13E-05	5.54E-03
2580	493180.5	3860393.11	0.04954	0.1715	0.0152	0.01935	2.00E-04	5.12E-03	9.72E-05	6.11E-05	5.47E-03	1.82E-04	5.53E-09	1.30E-06	1.67E-06	1.85E-04	2.32E-04	5.12E-03	9.72E-05	6.11E-05	5.51E-03
2581	493230.5	3860393.11	0.04977	0.16951	0.0154	0.01922	2.01E-04	5.06E-03	9.80E-05	6.07E-05	5.42E-03	1.83E-04	5.46E-09	1.31E-06	1.66E-06	1.86E-04	2.33E-04	5.06E-03	9.80E-05	6.07E-05	5.45E-03
2582	493280.5	3860393.11	0.05013	0.16702	0.0156	0.01903	2.03E-04	4.98E-03	9.98E-05	6.01E-05	5.35E-03	1.84E-04	5.38E-09	1.33E-06	1.64E-06	1.87E-04	2.34E-04	4.98E-03	9.98E-05	6.01E-05	5.38E-03
2583	493330.5	3860393.11	0.05039	0.16476	0.0157	0.01889	2.04E-04	4.92E-03	1.00E-04	5.96E-05	5.28E-03	1.85E-04	5.31E-09	1.34E-06	1.63E-06	1.88E-04	2.36E-04	4.92E-03	1.00E-04	5.96E-05	5.31E-03
2584	493380.5	3860393.11	0.05058	0.16282	0.0158	0.01876	2.04E-04	4.86E-03	1.01E-04	5.92E-05	5.22E-03	1.86E-04	5.25E-09	1.34E-06	1.62E-06	1.89E-04	2.37E-04	4.86E-03	1.01E-04	5.92E-05	5.25E-03
2585	492880.5	3860443.11	0.04628	0.18126	0.0139	0.01975	1.87E-04	5.41E-03	8.89E-05	6.24E-05	5.75E-03	1.70E-04	5.84E-09	1.18E-06	1.70E-06	1.73E-04	2.16E-04	5.41E-03	8.89E-05	6.24E-05	5.78E-03
2586	492930.5	3860443.11	0.04652	0.17916	0.014	0.01961	1.88E-04	5.34E-03	8.92E-05	6.19E-05	5.68E-03	1.71E-04	5.77E-09	1.19E-06	1.69E-06	1.74E-04	2.18E-04	5.34E-03	8.92E-05	6.19E-05	5.71E-03
2587	492980.5	3860443.11	0.04692	0.17701	0.0141	0.0194	1.90E-04	5.28E-03	9.01E-05	6.13E-05	5.62E-03	1.73E-04	5.71E-09	1.20E-06	1.67E-06	1.75E-04	2.19E-04	5.28E-03	9.01E-05	6.13E-05	5.65E-03
2588	493030.5	3860443.11	0.04731	0.17466	0.0143	0.0192	1.91E-04	5.21E-03	9.12E-05	6.06E-05	5.55E-03	1.74E-04	5.63E-09	1.22E-06	1.65E-06	1.77E-04	2.21E-04	5.21E-03	9.12E-05	6.06E-05	5.58E-03
2589	493080.5	3860443.11	0.04759	0.1726	0.0144	0.01906	1.92E-04	5.15E-03	9.19E-05	6.02E-05	5.49E-03	1.75E-04	5.56E-09	1.23E-06	1.64E-06	1.78E-04	2.23E-04	5.15E-03	9.19E-05	6.02E-05	5.52E-03
2590	493130.5	3860443.11	0.04787	0.17056	0.0145	0.01891	1.94E-04	5.09E-03	9.26E-05	5.97E-05	5.43E-03	1.76E-04	5.50E-09	1.23E-06	1.63E-06	1.79E-04	2.24E-04	5.09E-03	9.26E-05	5.97E-05	5.46E-03
2591	493180.5	3860443.11	0.04793	0.16898	0.0145	0.01887	1.94E-04	5.04E-03	9.24E-05	5.96E-05	5.39E-03	1.76E-04	5.45E-09	1.23E-06	1.62E-06	1.79E-04	2.24E-04	5.04E-03	9.24E-05	5.96E-05	5.42E-03
2592	493230.5	3860443.11	0.04834	0.16673	0.0147	0.01866	1.95E-04	4.97E-03	9.40E-05	5.89E-05	5.32E-03	1.78E-04	5.37E-09	1.25E-06	1.61E-06	1.81E-04	2.26E-04	4.97E-03	9.40E-05	5.89E-05	5.35E-03
2593	493280.5	3860443.11	0.04864	0.16466	0.0149	0.01851	1.97E-04	4.91E-03	9.51E-05	5.84E-05	5.26E-03	1.79E-04	5.31E-09	1.27E-06	1.59E-06	1.82E-04	2.27E-04	4.91E-03	9.51E-05	5.84E-05	5.29E-03
2594	493330.5	3860443.11	0.04899	0.16232	0.0152	0.01834	1.98E-04	4.84E-03	9.67E-05	5.79E-05	5.20E-03	1.80E-04	5.23E-09	1.29E-06	1.58E-06	1.83E-04	2.29E-04	4.84E-03	9.67E-05	5.79E-05	5.23E-03
2595	493380.5	3860443.11	0.04913	0.16071	0.0152	0.01825	1.99E-04	4.79E-03	9.72E-05	5.76E-05	5.15E-03	1.81E-04	5.18E-09	1.30E-06	1.57E-06	1.83E-04	2.30E-04	4.79E-03	9.72E-05	5.76E-05	5.18E-03
2596	493180.5	3860493.11	0.04653	0.16595	0.014	0.0183	1.88E-04	4.95E-03	8.90E-05	5.78E-05	5.29E-03	1.71E-04	5.35E-09	1.19E-06	1.58E-06	1.74E-04	2.18E-04	4.95E-03	8.90E-05	5.78E-05	5.32E-03
2597	493230.5	3860493.11	0.04686	0.164	0.0141	0.01814	1.89E-04	4.89E-03	8.99E-05	5.73E-05	5.23E-03	1.72E-04	5.29E-09	1.20E-06	1.56E-06	1.75E-04	2.19E-04	4.89E-03	8.99E-05	5.73E-05	5.26E-03
2598	493280.5	3860493.11	0.0472	0.162	0.0143	0.01799	1.91E-04	4.83E-03	9.10E-05	5.68E-05	5.17E-03	1.74E-04	5.22E-09	1.21E-06	1.55E-06	1.76E-04	2.21E-04	4.83E-03	9.10E-05	5.68E-05	5.20E-03
2599	493330.5	3860493.11	0.04747	0.16012	0.0144	0.01786	1.92E-04	4.78E-03	9.20E-05	5.64E-05	5.12E-03	1.75E-04	5.16E-09	1.23E-06	1.54E-06	1.77E-04	2.22E-04	4.78E-03	9.20E-05	5.64E-05	5.15E-03
2600	493380.5	3860493.11	0.04763	0.15853	0.0145	0.01777	1.93E-04	4.73E-03	9.23E-05	5.61E-05	5.07E-03	1.75E-04	5.11E-09	1.23E-06	1.53E-06	1.78E-04	2.23E-04	4.73E-03	9.23E-05	5.61E-05	5.10E-03
2601	493330.5	3860543.11	0.04606	0.15747	0.0138	0.01735	1.86E-04	4.70E-03	8.82E-05	5.48E-05	5.03E-03	1.69E-04	5.08E-09	1.18E-06	1.49E-06	1.72E-04	2.15E-04	4.70E-03	8.82E-05	5.48E-05	5.06E-03
2602	493380.5	3860543.11	0.04622	0.15594	0.0139	0.01728	1.87E-04	4.65E-03	8.84E-05	5.46E-05	4.98E-03	1.70E-04	5.03E-09	1.18E-06	1.49E-06	1.73E-04	2.16E-04	4.65E-03	8.84E-05	5.46E-05	5.01E-03
2603	494135.94	3860876.85	0.0405	0.12026	0.0116	0.01325	1.64E-04	3.59E-03	7.41E-05	4.18E-05	3.87E-03	1.49E-04	3.88E-09	9.88E-07	1.14E-06	1.51E-04	1.89E-04	3.59E-03	7.41E-05	4.18E-05	3.89E-03
2604	494185.94	3860876.85	0.04064	0.1193	0.0117	0.01321	1.64E-04	3.56E-03	7.45E-05	4.17E-05	3.84E-03	1.49E-04	3.85E-09	9.93E-07	1.14E-06	1.52E-04	1.90E-04	3.56E-03	7.45E-05	4.17E-05	3.87E-03
2605	494135.94	3860926.85	0.03939	0.11793	0.0112	0.01277	1.59E-04	3.52E-03	7.17E-05	4.03E-05	3.79E-03	1.45E-04	3.80E-09	9.56E-07	1.10E-06	1.47E-04	1.84E-04	3.52E-03	7.17E-05	4.03E-05	3.81E-03
2606	494185.94	3860926.85	0.03955	0.11702	0.0113	0.01275	1.60E-04	3.49E-03	7.20E-05	4.03E-05	3.76E-03	1.45E-04	3.77E-09	9.60E-07	1.10E-06	1.47E-04	1.85E-04	3.49E-03	7.20E-05	4.03E-05	3.79E-03
2607	494135.94	3860976.85	0.03831	0.11561	0.0109	0.01232	1.55E-04	3.45E-03	6.97E-05	3.89E-05	3.71E-03	1.41E-04	3.73E-09	9.29E-07	1.06E-06	1.43E-04	1.79E-04	3.45E-03	6.97E-05	3.89E-05	3.74E-03
2608	494185.94	3860976.85	0.03848	0.11475	0.011	0.01231	1.56E-04	3.42E-03	6.98E-05	3.89E-05	3.69E-03	1.41E-04	3.70E-09	9.31E-07	1.06E-06	1.43E-04	1.80E-04	3.42E-03	6.98E-05	3.89E-05	3.71E-03
2609	494135.94	3861026.85	0.03724	0.11327	0.0106	0.0119	1.51E-04	3.38E-03	6.78E-05	3.76E-05	3.64E-03	1.37E-04	3.65E-09	9.04E-07	1.02E-06	1.39E-04	1.74E-04	3.38E-03	6.78E-05	3.76E-05	3.66E-03
2610	494185.94	3861026.85	0.03742	0.11246	0.0107	0.01189	1.51E-04	3.36E-03	6.79E-05	3.75E-05	3.61E-03	1.38E-04	3.62E-09	9.06E-07	1.02E-06	1.40E-04	1.75E-04	3.36E-03	6.79E-05	3.75E-05	3.64E-03
2611	494135.94	3861076.85	0.03621	0.11096	0.0104	0.0115	1.46E-04	3.31E-03	6.62E-05	3.63E-05	3.56E-03	1.33E-04	3.58E-09	8.83E-07	9.90E-07	1.35E-04	1.69E-04	3.31E-03	6.62E-05	3.63E-05	3.58E-03
2612	494185.94	3861076.85	0.03639	0.11017	0.0104	0.01148	1.47E-04	3.29E-03	6.63E-05	3.62E-05	3.54E-03	1.34E-04	3.55E-09	8.84E-07	9.89E-07	1.36E-04	1.70E-04	3.29E-03	6.63E-05	3.62E-05	3.56E-03
2613	490360.04	3858710.04	0.12498	0.38738	0.0711	0.055	5.05E-04	1.16E-02	4.53E-04	1.74E-04	1.27E-02	4.59E-04	1.25E-08	6.04E-06	4.74E-06	4.70E-04	5.84E-04	1.16E-02	4.53E-04	1.74E-04	1.28E-02
2614	490410.04	3858710.04	0.12536	0.37792	0.0707	0.05441	5.07E-04	1.13E-02	4.51E-04	1.72E-04	1.24E-02	4.61E-04	1.22E-08	6.01E-06	4.69E-06	4.72E-04	5.86E-04	1.13E-02	4.51E-04	1.72E-04	1.25E-02
2615	490460.04	3858710.04	0.12582	0.36596	0.0704	0.05385	5.09E-04	1.09E-02	4.49E-04	1.70E-04	1.20E-02	4.63E-04	1.18E-08	5.99E-06	4.64E-06	4.73E-04	5.88E-04	1.09E-02	4.49E-04	1.70E-04	1.21E-02
2616	490510.04	3858710.04	0.12599	0.35721	0.0701	0.05331	5.09E-04	1.07E-02	4.47E-04	1.68E-04	1.18E-02	4.63E-04	1.15E-08	5.97E-06	4.59E-06	4.74E-04	5.89E-04	1.07E-02	4.47E-04	1.68E-04	1.19E-02
2617	490560.04	3858710.04	0.12603	0.3496	0.0699	0.05278	5.09E-04	1.04E-02	4.46E-04	1.67E-04	1.16E-02	4.63E-04	1.13E-08	5.95E-06	4.54E-06	4.74E-04	5.89E-04	1.04E-02	4.46E-04	1.67E-04	1.16E-02
2618	490610.04	3858710.04	0.12602	0.34175	0.0697	0.05227	5.09E-04	1.02E-02	4.45E-04	1.65E-04	1.13E-02	4.63E-04	1.10E-08	5.93E-06	4.50E-06	4.74E-04	5.89E-04	1.02E-02	4.45E-04	1.65E-04	1.14E-02
2619	490660.04	3858710.04	0.12584	0.33656	0.0696	0.05175	5.09E-04	1.00E-02	4.44E-04	1.63E-04	1.12E-02	4.63E-04	1.08E-08	5.92E-06	4.46E-06	4.73E-04	5.89E-04	1.00E-02	4.44E-04	1.63E-04	1.12E-02

2620	490710.04	3858710.04	0.12577	0.32753	0.0694	0.0513	5.08E-04	9.77E-03	4.43E-04	1.62E-04	1.09E-02	4.62E-04	1.06E-08	5.91E-06	4.42E-06	4.73E-04	5.88E-04	9.77E-03	4.43E-04	1.62E-04	1.10E-02
2621	490760.04	3858710.04	0.12559	0.31971	0.0693	0.05084	5.08E-04	9.54E-03	4.42E-04	1.61E-04	1.06E-02	4.62E-04	1.03E-08	5.90E-06	4.38E-06	4.72E-04	5.87E-04	9.54E-03	4.42E-04	1.61E-04	1.07E-02
2622	490810.04	3858710.04	0.12534	0.31206	0.0693	0.05041	5.07E-04	9.31E-03	4.42E-04	1.59E-04	1.04E-02	4.61E-04	1.01E-08	5.89E-06	4.34E-06	4.71E-04	5.86E-04	9.31E-03	4.42E-04	1.59E-04	1.05E-02
2623	490860.04	3858710.04	0.12507	0.30307	0.0693	0.05002	5.06E-04	9.04E-03	4.42E-04	1.58E-04	1.01E-02	4.60E-04	9.77E-09	5.89E-06	4.31E-06	4.70E-04	5.85E-04	9.04E-03	4.42E-04	1.58E-04	1.02E-02
2624	490360.04	3858760.04	0.12024	0.39846	0.0655	0.05653	4.86E-04	1.19E-02	4.18E-04	1.78E-04	1.30E-02	4.42E-04	1.28E-08	5.57E-06	4.87E-06	4.53E-04	5.62E-04	1.19E-02	4.18E-04	1.78E-04	1.30E-02
2625	490410.04	3858760.04	0.12077	0.38767	0.0652	0.05588	4.88E-04	1.16E-02	4.16E-04	1.76E-04	1.26E-02	4.44E-04	1.25E-08	5.55E-06	4.81E-06	4.54E-04	5.65E-04	1.16E-02	4.16E-04	1.76E-04	1.27E-02
2626	490460.04	3858760.04	0.12125	0.37634	0.065	0.05526	4.90E-04	1.12E-02	4.15E-04	1.74E-04	1.23E-02	4.46E-04	1.21E-08	5.53E-06	4.76E-06	4.56E-04	5.67E-04	1.12E-02	4.15E-04	1.74E-04	1.24E-02
2627	490510.04	3858760.04	0.12163	0.36502	0.0648	0.05468	4.92E-04	1.09E-02	4.14E-04	1.73E-04	1.20E-02	4.47E-04	1.18E-08	5.51E-06	4.71E-06	4.57E-04	5.69E-04	1.09E-02	4.14E-04	1.73E-04	1.20E-02
2628	490560.04	3858760.04	0.12183	0.35592	0.0647	0.05412	4.92E-04	1.06E-02	4.13E-04	1.71E-04	1.17E-02	4.48E-04	1.15E-08	5.50E-06	4.66E-06	4.58E-04	5.70E-04	1.06E-02	4.13E-04	1.71E-04	1.18E-02
2629	490610.04	3858760.04	0.12196	0.34651	0.0646	0.05357	4.93E-04	1.03E-02	4.12E-04	1.69E-04	1.14E-02	4.48E-04	1.12E-08	5.49E-06	4.61E-06	4.59E-04	5.70E-04	1.03E-02	4.12E-04	1.69E-04	1.15E-02
2630	490660.04	3858760.04	0.12199	0.33812	0.0645	0.05304	4.93E-04	1.01E-02	4.12E-04	1.67E-04	1.12E-02	4.48E-04	1.09E-08	5.49E-06	4.57E-06	4.59E-04	5.70E-04	1.01E-02	4.12E-04	1.67E-04	1.12E-02
2631	490710.04	3858760.04	0.12195	0.32987	0.0645	0.05253	4.93E-04	9.84E-03	4.11E-04	1.66E-04	1.09E-02	4.48E-04	1.06E-08	5.48E-06	4.52E-06	4.58E-04	5.70E-04	9.84E-03	4.11E-04	1.66E-04	1.10E-02
2632	490760.04	3858760.04	0.12187	0.32065	0.0645	0.05205	4.93E-04	9.57E-03	4.12E-04	1.64E-04	1.06E-02	4.48E-04	1.03E-08	5.49E-06	4.48E-06	4.58E-04	5.70E-04	9.57E-03	4.12E-04	1.64E-04	1.07E-02
2633	490810.04	3858760.04	0.1217	0.31215	0.0646	0.05157	4.92E-04	9.31E-03	4.12E-04	1.63E-04	1.04E-02	4.47E-04	1.01E-08	5.49E-06	4.44E-06	4.57E-04	5.69E-04	9.31E-03	4.12E-04	1.63E-04	1.05E-02
2634	490860.04	3858760.04	0.12145	0.30472	0.0646	0.05109	4.91E-04	9.09E-03	4.12E-04	1.61E-04	1.02E-02	4.47E-04	9.82E-09	5.50E-06	4.40E-06	4.56E-04	5.68E-04	9.09E-03	4.12E-04	1.61E-04	1.02E-02
2635	490360.04	3858810.04	0.11568	0.40715	0.0603	0.0581	4.68E-04	1.21E-02	3.85E-04	1.83E-04	1.32E-02	4.25E-04	1.31E-08	5.13E-06	5.00E-06	4.35E-04	5.41E-04	1.21E-02	3.85E-04	1.83E-04	1.33E-02
2636	490410.04	3858810.04	0.11631	0.3952	0.0602	0.0574	4.70E-04	1.18E-02	3.84E-04	1.81E-04	1.28E-02	4.28E-04	1.27E-08	5.12E-06	4.94E-06	4.38E-04	5.44E-04	1.18E-02	3.84E-04	1.81E-04	1.29E-02
2637	490460.04	3858810.04	0.11686	0.38327	0.0601	0.05673	4.72E-04	1.14E-02	3.83E-04	1.79E-04	1.25E-02	4.30E-04	1.24E-08	5.11E-06	4.89E-06	4.40E-04	5.47E-04	1.14E-02	3.83E-04	1.79E-04	1.25E-02
2638	490510.04	3858810.04	0.11723	0.37373	0.06	0.05607	4.74E-04	1.11E-02	3.83E-04	1.77E-04	1.22E-02	4.31E-04	1.20E-08	5.11E-06	4.83E-06	4.41E-04	5.48E-04	1.11E-02	3.83E-04	1.77E-04	1.23E-02
2639	490560.04	3858810.04	0.11754	0.36395	0.06	0.05544	4.75E-04	1.09E-02	3.83E-04	1.75E-04	1.19E-02	4.32E-04	1.17E-08	5.10E-06	4.77E-06	4.42E-04	5.50E-04	1.09E-02	3.83E-04	1.75E-04	1.20E-02
2640	490610.04	3858810.04	0.11784	0.3523	0.0599	0.05486	4.76E-04	1.05E-02	3.82E-04	1.73E-04	1.15E-02	4.33E-04	1.14E-08	5.10E-06	4.72E-06	4.43E-04	5.51E-04	1.05E-02	3.82E-04	1.73E-04	1.16E-02
2641	490660.04	3858810.04	0.11799	0.34272	0.06	0.05428	4.77E-04	1.02E-02	3.82E-04	1.71E-04	1.13E-02	4.34E-04	1.10E-08	5.10E-06	4.67E-06	4.44E-04	5.52E-04	1.02E-02	3.82E-04	1.71E-04	1.13E-02
2642	490710.04	3858810.04	0.11808	0.33266	0.06	0.05372	4.77E-04	9.92E-03	3.83E-04	1.70E-04	1.10E-02	4.34E-04	1.07E-08	5.10E-06	4.63E-06	4.44E-04	5.52E-04	9.92E-03	3.83E-04	1.70E-04	1.10E-02
2643	490760.04	3858810.04	0.11811	0.32101	0.0602	0.05323	4.77E-04	9.58E-03	3.84E-04	1.68E-04	1.06E-02	4.34E-04	1.03E-08	5.12E-06	4.58E-06	4.44E-04	5.52E-04	9.58E-03	3.84E-04	1.68E-04	1.07E-02
2644	490810.04	3858810.04	0.11799	0.3149	0.0602	0.05263	4.77E-04	9.39E-03	3.84E-04	1.66E-04	1.04E-02	4.34E-04	1.01E-08	5.12E-06	4.53E-06	4.43E-04	5.52E-04	9.39E-03	3.84E-04	1.66E-04	1.05E-02
2645	490860.04	3858810.04	0.11784	0.30561	0.0604	0.05212	4.76E-04	9.12E-03	3.85E-04	1.65E-04	1.01E-02	4.33E-04	9.85E-09	5.14E-06	4.49E-06	4.43E-04	5.51E-04	9.12E-03	3.85E-04	1.65E-04	1.02E-02
2646	490360.04	3858860.04	0.11128	0.41283	0.0556	0.05972	4.50E-04	1.23E-02	3.54E-04	1.89E-04	1.33E-02	4.09E-04	1.33E-08	4.73E-06	5.14E-06	4.19E-04	5.20E-04	1.23E-02	3.54E-04	1.89E-04	1.34E-02
2647	490410.04	3858860.04	0.11179	0.40384	0.0556	0.05893	4.52E-04	1.20E-02	3.55E-04	1.86E-04	1.30E-02	4.11E-04	1.30E-08	4.73E-06	5.07E-06	4.21E-04	5.23E-04	1.20E-02	3.55E-04	1.86E-04	1.31E-02
2648	490460.04	3858860.04	0.11247	0.39019	0.0556	0.0582	4.55E-04	1.16E-02	3.55E-04	1.84E-04	1.26E-02	4.13E-04	1.26E-08	4.73E-06	5.01E-06	4.23E-04	5.26E-04	1.16E-02	3.55E-04	1.84E-04	1.27E-02
2649	490510.04	3858860.04	0.11285	0.38208	0.0556	0.05745	4.56E-04	1.14E-02	3.55E-04	1.81E-04	1.24E-02	4.15E-04	1.23E-08	4.73E-06	4.95E-06	4.25E-04	5.28E-04	1.14E-02	3.55E-04	1.81E-04	1.25E-02
2650	490560.04	3858860.04	0.11331	0.37027	0.0557	0.05676	4.58E-04	1.10E-02	3.55E-04	1.79E-04	1.20E-02	4.17E-04	1.19E-08	4.73E-06	4.89E-06	4.26E-04	5.30E-04	1.10E-02	3.55E-04	1.79E-04	1.21E-02
2651	490610.04	3858860.04	0.11376	0.35599	0.0557	0.05614	4.60E-04	1.06E-02	3.55E-04	1.77E-04	1.16E-02	4.18E-04	1.15E-08	4.74E-06	4.83E-06	4.28E-04	5.32E-04	1.06E-02	3.55E-04	1.77E-04	1.17E-02
2652	490660.04	3858860.04	0.114	0.34612	0.0558	0.05548	4.61E-04	1.03E-02	3.56E-04	1.75E-04	1.13E-02	4.19E-04	1.12E-08	4.74E-06	4.78E-06	4.29E-04	5.33E-04	1.03E-02	3.56E-04	1.75E-04	1.14E-02
2653	490710.04	3858860.04	0.11413	0.33813	0.0558	0.05482	4.61E-04	1.01E-02	3.56E-04	1.73E-04	1.11E-02	4.20E-04	1.09E-08	4.75E-06	4.72E-06	4.29E-04	5.34E-04	1.01E-02	3.56E-04	1.73E-04	1.12E-02
2654	490760.04	3858860.04	0.11426	0.32619	0.056	0.05425	4.62E-04	9.73E-03	3.57E-04	1.71E-04	1.07E-02	4.20E-04	1.05E-08	4.77E-06	4.67E-06	4.30E-04	5.34E-04	9.73E-03	3.57E-04	1.71E-04	1.08E-02
2655	490810.04	3858860.04	0.11428	0.31538	0.0563	0.05368	4.62E-04	9.41E-03	3.59E-04	1.69E-04	1.04E-02	4.20E-04	1.02E-08	4.79E-06	4.62E-06	4.30E-04	5.34E-04	9.41E-03	3.59E-04	1.69E-04	1.05E-02
2656	490860.04	3858860.04	0.11418	0.30471	0.0566	0.05314	4.62E-04	9.09E-03	3.61E-04	1.68E-04	1.01E-02	4.20E-04	9.82E-09	4.81E-06	4.58E-06	4.29E-04	5.34E-04	9.09E-03	3.61E-04	1.68E-04	1.02E-02
2657	490360.04	3858910.04	0.1066	0.4252	0.0513	0.06132	4.31E-04	1.27E-02	3.27E-04	1.94E-04	1.36E-02	3.92E-04	1.37E-08	4.36E-06	5.28E-06	4.02E-04	4.99E-04	1.27E-02	3.27E-04	1.94E-04	1.37E-02
2658	490410.04	3858910.04	0.1073	0.41283	0.0514	0.06045	4.34E-04	1.23E-02	3.28E-04	1.91E-04	1.33E-02	3.94E-04	1.33E-08	4.37E-06	5.21E-06	4.04E-04	5.02E-04	1.23E-02	3.28E-04	1.91E-04	1.33E-02
2659	490460.04	3858910.04	0.10798	0.40006	0.0515	0.05961	4.36E-04	1.19E-02	3.28E-04	1.88E-04	1.29E-02	3.97E-04	1.29E-08	4.38E-06	5.13E-06	4.07E-04	5.05E-04	1.19E-02	3.28E-04	1.88E-04	1.30E-02
2660	490510.04	3858910.04	0.10861	0.38695	0.0516	0.05882	4.39E-04	1.15E-02	3.29E-04	1.86E-04	1.25E-02	3.99E-04	1.25E-08	4.39E-06	5.06E-06	4.09E-04	5.08E-04	1.15E-02	3.29E-04	1.86E-04	1.26E-02
2661	490560.04	3858910.04	0.10917	0.37351	0.0517	0.05806	4.41E-04	1.11E-02	3.30E-04	1.83E-04	1.21E-02	4.01E-04	1.20E-08	4.39E-06	5.00E-06	4.11E-04	5.11E-04	1.11E-02	3.30E-04	1.83E-04	1.22E-02
2662	490610.04	3858910.04	0.10965	0.36037	0.0518	0.05734	4.43E-04	1.08E-02	3.30E-04	1.81E-04	1.17E-02	4.03E-04	1.16E-08	4.41E-06	4.94E-06	4.12E-04	5.13E-04	1.08E-02	3.30E-04	1.81E-04	1.18E-02
2663	490660.04	3858910.04	0.10998	0.34971	0.0519	0.05662	4.45E-04	1.04E-02	3.31E-04	1.79E-04	1.14E-02	4.04E-04	1.13E-08	4.42E-06	4.88E-06	4.14E-04	5.14E-04	1.04E-02	3.31E-04	1.79E-04	1.15E-02
2664	490710.04	3858910.04	0.11026	0.33805	0.0521	0.05594	4.46E-04	1.01E-02	3.33E-04	1.77E-04	1.10E-02	4.05E-04	1.09E-08	4.43E-06	4.82E-06	4.15E-04	5.16E-04	1.01E-02	3.33E-04	1.77E-04	1.11E-02
2665	490760.04	3858910.04	0.11046	0.32514	0.0524	0.05533	4.47E-04	9.70E-03	3.34E-04	1.75E-04	1.07E-02	4.06E-04	1.05E-08	4.46E-06	4.76E-06	4.15E-04	5.17E-04	9.70E-03	3.34E-04	1.75E-04	1.07E-02
2666	490810.04	3858910.04	0.11053	0.31568	0.0526	0.05467	4.47E-04	9.42E-03	3.36E-04	1.73E-04	1.04E-02	4.06E-04	1.02E-08	4.48E-06	4.71E-06	4.16E-04	5.17E-04	9.42E-03	3.36E-04	1.73E-04	1.04E-02
2667	490860.04	3858910.04	0.1105	0.30358	0.053	0.0541	4.47E-04	9.06E-03	3.38E-04	1.71E-04	1.00E-02	4.06E-04	9.78E-09	4.51E-06	4.66E-06	4.15E-04	5.17E-04	9.06E-03	3.38E-04	1.71E-04	1.01E-02
2668	490360.04	3858960.04	0.10229	0.43198	0.0472	0.06289	4.13E-04	1.29E-02	3.01E-04	1.99E-04	1.38E-02	3.76E-04	1.39E-08	4.01E-06	5.42E-06	3.86E-04	4.78E-04	1.29E-02	3.01E-04	1.99E-04	1.39E-02
2669	490410.04	3858960.04	0.10306	0.4175	0.0474	0.06193	4.17E-04	1.25E-02	3.02E-04	1.96E-04	1.34E-02	3.79E-04	1.35E-08	4.03E-06	5.33E-06	3.88E-04	4.82E-04	1.25E-02	3.02E-04	1.96E-04	1.34E-02
2670	490460.04	3858960.04	0.10382	0.4026	0.0476	0.06102	4.20E-04	1.20E-02	3.03E-04	1.93E-04	1.29E-02	3.82E-04	1.30E-08	4.04E-06	5.25E-06	3.91E-04	4.86E-04	1.20E-02	3.03E-04	1.93E-04	1.30E-02
2671	490510.04	3858960.04	0.10446	0.38934	0.0478	0.06014	4.22E-04	1.16E-02	3.05E-04	1.90E-04	1.25E-02	3.84E-04	1.25E-08	4.06E-06	5.18E-06	3.93E-04	4.89E-04	1.16E-02	3.05E-04	1.90E-04	1.26E-02
2672	490560.04	3858960.04	0.10504	0.37656	0.048	0.05929	4.25E-04	1.12E-02	3.06E-04	1.87E-04	1.22E-02	3.86E-04	1.21E-08	4.08E-06	5.11E-06	3.95E-04	4.91E-04	1.12E-02	3.06E-04	1.87E-04	1.22E-02
2673	490610.04	3858960.04	0.1056	0.36137	0.0482	0.05852	4.27E-04	1.08E-02	3.07E-04	1.85E-04	1.17E-02	3.88E-04	1.16E-08	4.10E-06	5.04E-06	3.97E-04	4.94E-04	1.08E-02	3.07E-04	1.85E-04	1.18E-02
2674	490660.04	3858960.04	0.10597	0.35295	0.0484	0.05769	4.28E-04	1.05E-02	3.08E-04	1.82E-04	1.14E-02	3.90E-04	1.14E-08	4.11E-06	4.97E-06	3.99E-04	4.96E-04	1.05E-02	3.08E-04	1.82E-04	1.15E-02
2675	490710.04	3858960.04	0.10635	0.33888	0.0486	0.05699	4.30E-04	1.01E-02	3.10E-04	1.80E-04	1.10E-02	3.91E-04	1.09E-08	4.14E-06	4.91E-06	4.00E-04	4.97E-04	1.01E-02	3.10E-04	1.80E-04	1.11E-02
2676	490760.04	3858960.04	0.10661	0.32672	0.0489	0.05629	4.31E-04	9.75E-03	3.12E-04	1.78E-04	1.07E-02	3.92E-04	1.05E-08	4.16E-06	4.85E-06	4.01E-04	4.99E-04	9.75E-03	3.12E-04	1.78E-04	1.07E-02
2677	490810.04	3858960.04	0.10675	0.31489	0.0493	0.05563	4.32E-04	9.39E-03	3.14E-04	1.76E-04	1.03E-02	3.92E-04	1.01E-08	4.19E-06	4.79E-06	4.01E-04	4.99E-04	9.39E-03	3.14E-04	1.76E-04	1.04E-02
2678	490860.04	3858960.04	0.10681	0.30193	0.0498	0.05503	4.32E-04	9.01E-03	3.17E-04	1.74E-04	9.93E-03	3.93E-04	9.73E-09	4.23E-06	4.74E-06	4.02E-04	5.00E-04	9.01E-03	3.17E-04	1.74E-04	1.00E-02
2679	490360.04	3859010.04	0.09814	0.43781	0.0434	0.06439	3.97E-04	1.31E-02	2.77E-04	2.03E-04	1.39E-02	3.61E-04	1.41E-08	3.69E-06	5.54E-06	3.70E-04	4.59E-04	1.31E-02	2.77E-04	2.03E-04	1.40E-02
2680	490410.04	3859010.04	0.09894	0.42156	0.0437	0.06333	4.00E-04	1.26E-02	2.79E-04	2.00E-04	1.35E-02	3.64E-04	1.36E-08	3.71E-06	5.45E-06	3.73E-04	4.63E-04	1.26E-02	2.79E-04	2.00E-04	1.35E-02

2681	490460.04	3859010.04	0.09975	0.40361	0.0439	0.06236	4.03E-04	1.20E-02	2.80E-04	1.97E-04	1.29E-02	3.67E-04	1.30E-08	3.74E-06	5.37E-06	3.76E-04	4.66E-04	1.20E-02	2.80E-04	1.97E-04	1.30E-02
2682	490510.04	3859010.04	0.10047	0.38689	0.0442	0.06143	4.06E-04	1.15E-02	2.82E-04	1.94E-04	1.24E-02	3.69E-04	1.25E-08	3.76E-06	5.29E-06	3.78E-04	4.70E-04	1.15E-02	2.82E-04	1.94E-04	1.25E-02
2683	490560.04	3859010.04	0.10101	0.37654	0.0445	0.06047	4.08E-04	1.12E-02	2.84E-04	1.91E-04	1.21E-02	3.71E-04	1.21E-08	3.78E-06	5.21E-06	3.80E-04	4.72E-04	1.12E-02	2.84E-04	1.91E-04	1.22E-02
2684	490610.04	3859010.04	0.10159	0.36129	0.0448	0.05964	4.11E-04	1.08E-02	2.86E-04	1.88E-04	1.17E-02	3.73E-04	1.16E-08	3.81E-06	5.14E-06	3.82E-04	4.75E-04	1.08E-02	2.86E-04	1.88E-04	1.17E-02
2685	490660.04	3859010.04	0.10202	0.35304	0.045	0.05873	4.12E-04	1.05E-02	2.87E-04	1.85E-04	1.14E-02	3.75E-04	1.14E-08	3.83E-06	5.06E-06	3.84E-04	4.77E-04	1.05E-02	2.87E-04	1.85E-04	1.15E-02
2686	490710.04	3859010.04	0.10245	0.33818	0.0454	0.05799	4.14E-04	1.01E-02	2.90E-04	1.83E-04	1.10E-02	3.77E-04	1.09E-08	3.86E-06	4.99E-06	3.86E-04	4.79E-04	1.01E-02	2.90E-04	1.83E-04	1.10E-02
2687	490760.04	3859010.04	0.10275	0.32511	0.0458	0.05727	4.15E-04	9.70E-03	2.92E-04	1.81E-04	1.06E-02	3.78E-04	1.05E-08	3.89E-06	4.93E-06	3.87E-04	4.81E-04	9.70E-03	2.92E-04	1.81E-04	1.07E-02
2688	490810.04	3859010.04	0.10297	0.31241	0.0462	0.05658	4.16E-04	9.32E-03	2.95E-04	1.79E-04	1.02E-02	3.79E-04	1.01E-08	3.93E-06	4.87E-06	3.87E-04	4.82E-04	9.32E-03	2.95E-04	1.79E-04	1.03E-02
2689	490860.04	3859010.04	0.10312	0.30113	0.0466	0.05591	4.17E-04	8.98E-03	2.97E-04	1.77E-04	9.87E-03	3.79E-04	9.71E-09	3.96E-06	4.81E-06	3.88E-04	4.82E-04	8.98E-03	2.97E-04	1.77E-04	9.94E-03
2690	490360.04	3859060.04	0.09426	0.44122	0.04	0.06578	3.81E-04	1.32E-02	2.55E-04	2.08E-04	1.40E-02	3.47E-04	1.42E-08	3.40E-06	5.66E-06	3.56E-04	4.41E-04	1.32E-02	2.55E-04	2.08E-04	1.41E-02
2691	490410.04	3859060.04	0.09511	0.4203	0.0402	0.06466	3.84E-04	1.25E-02	2.57E-04	2.04E-04	1.34E-02	3.50E-04	1.35E-08	3.42E-06	5.57E-06	3.59E-04	4.45E-04	1.25E-02	2.57E-04	2.04E-04	1.34E-02
2692	490460.04	3859060.04	0.09582	0.40344	0.0406	0.06359	3.87E-04	1.20E-02	2.59E-04	2.01E-04	1.29E-02	3.52E-04	1.30E-08	3.45E-06	5.48E-06	3.61E-04	4.48E-04	1.20E-02	2.59E-04	2.01E-04	1.29E-02
2693	490510.04	3859060.04	0.09647	0.38876	0.0409	0.06256	3.90E-04	1.16E-02	2.61E-04	1.98E-04	1.24E-02	3.55E-04	1.25E-08	3.48E-06	5.39E-06	3.64E-04	4.51E-04	1.16E-02	2.61E-04	1.98E-04	1.25E-02
2694	490560.04	3859060.04	0.0971	0.37243	0.0413	0.06163	3.92E-04	1.11E-02	2.63E-04	1.95E-04	1.20E-02	3.57E-04	1.20E-08	3.51E-06	5.31E-06	3.66E-04	4.54E-04	1.11E-02	2.63E-04	1.95E-04	1.20E-02
2695	490610.04	3859060.04	0.09763	0.36096	0.0416	0.06067	3.95E-04	1.08E-02	2.65E-04	1.92E-04	1.16E-02	3.59E-04	1.16E-08	3.54E-06	5.22E-06	3.68E-04	4.57E-04	1.08E-02	2.65E-04	1.92E-04	1.17E-02
2696	490660.04	3859060.04	0.09812	0.35038	0.0419	0.05975	3.97E-04	1.05E-02	2.67E-04	1.89E-04	1.13E-02	3.61E-04	1.13E-08	3.57E-06	5.15E-06	3.69E-04	4.59E-04	1.05E-02	2.67E-04	1.89E-04	1.14E-02
2697	490710.04	3859060.04	0.09855	0.33519	0.0424	0.05898	3.98E-04	1.00E-02	2.70E-04	1.86E-04	1.09E-02	3.62E-04	1.08E-08	3.60E-06	5.08E-06	3.71E-04	4.61E-04	1.00E-02	2.70E-04	1.86E-04	1.09E-02
2698	490760.04	3859060.04	0.0989	0.32187	0.0428	0.05823	4.00E-04	9.60E-03	2.73E-04	1.84E-04	1.05E-02	3.64E-04	1.04E-08	3.64E-06	5.01E-06	3.72E-04	4.63E-04	9.60E-03	2.73E-04	1.84E-04	1.05E-02
2699	490810.04	3859060.04	0.09919	0.30876	0.0433	0.05752	4.01E-04	9.21E-03	2.76E-04	1.82E-04	1.01E-02	3.65E-04	9.95E-09	3.68E-06	4.95E-06	3.73E-04	4.64E-04	9.21E-03	2.76E-04	1.82E-04	1.01E-02
2700	490860.04	3859060.04	0.09918	0.29725	0.0437	0.05682	4.01E-04	8.87E-03	2.79E-04	1.79E-04	9.73E-03	3.65E-04	9.58E-09	3.72E-06	4.89E-06	3.73E-04	4.64E-04	8.87E-03	2.79E-04	1.79E-04	9.79E-03
2701	490360.04	3859110.04	0.09053	0.44681	0.0369	0.067	3.66E-04	1.33E-02	2.36E-04	2.12E-04	1.41E-02	3.33E-04	1.44E-08	3.14E-06	5.77E-06	3.42E-04	4.23E-04	1.33E-02	2.36E-04	2.12E-04	1.42E-02
2702	490410.04	3859110.04	0.09131	0.42509	0.0372	0.0658	3.69E-04	1.27E-02	2.37E-04	2.08E-04	1.35E-02	3.36E-04	1.37E-08	3.16E-06	5.67E-06	3.45E-04	4.27E-04	1.27E-02	2.37E-04	2.08E-04	1.36E-02
2703	490460.04	3859110.04	0.09194	0.40954	0.0375	0.06463	3.72E-04	1.22E-02	2.39E-04	2.04E-04	1.30E-02	3.38E-04	1.32E-08	3.19E-06	5.57E-06	3.47E-04	4.30E-04	1.22E-02	2.39E-04	2.04E-04	1.31E-02
2704	490510.04	3859110.04	0.09267	0.38662	0.0378	0.06365	3.75E-04	1.15E-02	2.41E-04	2.01E-04	1.24E-02	3.41E-04	1.25E-08	3.22E-06	5.48E-06	3.49E-04	4.33E-04	1.15E-02	2.41E-04	2.01E-04	1.24E-02
2705	490560.04	3859110.04	0.09326	0.37167	0.0382	0.06264	3.77E-04	1.11E-02	2.44E-04	1.98E-04	1.19E-02	3.43E-04	1.20E-08	3.25E-06	5.39E-06	3.52E-04	4.36E-04	1.11E-02	2.44E-04	1.98E-04	1.20E-02
2706	490610.04	3859110.04	0.09381	0.35619	0.0386	0.06172	3.79E-04	1.06E-02	2.46E-04	1.95E-04	1.14E-02	3.45E-04	1.15E-08	3.28E-06	5.31E-06	3.54E-04	4.39E-04	1.06E-02	2.46E-04	1.95E-04	1.15E-02
2707	490660.04	3859110.04	0.09427	0.33997	0.0391	0.06088	3.81E-04	1.01E-02	2.49E-04	1.92E-04	1.10E-02	3.47E-04	1.10E-08	3.32E-06	5.24E-06	3.55E-04	4.41E-04	1.01E-02	2.49E-04	1.92E-04	1.10E-02
2708	490710.04	3859110.04	0.09471	0.32943	0.0395	0.05998	3.83E-04	9.83E-03	2.52E-04	1.89E-04	1.07E-02	3.48E-04	1.06E-08	3.36E-06	5.16E-06	3.57E-04	4.43E-04	9.83E-03	2.52E-04	1.89E-04	1.07E-02
2709	490760.04	3859110.04	0.0951	0.31699	0.04	0.05918	3.84E-04	9.46E-03	2.55E-04	1.87E-04	1.03E-02	3.50E-04	1.02E-08	3.40E-06	5.10E-06	3.58E-04	4.45E-04	9.46E-03	2.55E-04	1.87E-04	1.03E-02
2710	490810.04	3859110.04	0.09514	0.30317	0.0405	0.05846	3.85E-04	9.04E-03	2.58E-04	1.85E-04	9.87E-03	3.50E-04	9.77E-09	3.45E-06	5.03E-06	3.58E-04	4.45E-04	9.04E-03	2.58E-04	1.85E-04	9.93E-03
2711	490860.04	3859110.04	0.09526	0.29029	0.0411	0.05777	3.85E-04	8.66E-03	2.62E-04	1.82E-04	9.49E-03	3.50E-04	9.36E-09	3.49E-06	4.97E-06	3.59E-04	4.45E-04	8.66E-03	2.62E-04	1.82E-04	9.55E-03
2712	490360.04	3859160.04	0.08702	0.45353	0.0343	0.06809	3.52E-04	1.35E-02	2.19E-04	2.15E-04	1.43E-02	3.20E-04	1.46E-08	2.92E-06	5.86E-06	3.29E-04	4.07E-04	1.35E-02	2.19E-04	2.15E-04	1.44E-02
2713	490410.04	3859160.04	0.08771	0.43189	0.0345	0.0668	3.55E-04	1.29E-02	2.20E-04	2.11E-04	1.37E-02	3.22E-04	1.39E-08	2.93E-06	5.75E-06	3.31E-04	4.10E-04	1.29E-02	2.20E-04	2.11E-04	1.37E-02
2714	490460.04	3859160.04	0.08835	0.41289	0.0348	0.06559	3.57E-04	1.23E-02	2.22E-04	2.07E-04	1.31E-02	3.25E-04	1.33E-08	2.96E-06	5.65E-06	3.33E-04	4.13E-04	1.23E-02	2.22E-04	2.07E-04	1.32E-02
2715	490510.04	3859160.04	0.08896	0.39437	0.0351	0.06449	3.60E-04	1.18E-02	2.24E-04	2.04E-04	1.26E-02	3.27E-04	1.27E-08	2.98E-06	5.55E-06	3.36E-04	4.16E-04	1.18E-02	2.24E-04	2.04E-04	1.26E-02
2716	490560.04	3859160.04	0.08957	0.37383	0.0354	0.06352	3.62E-04	1.12E-02	2.26E-04	2.01E-04	1.19E-02	3.29E-04	1.20E-08	3.01E-06	5.47E-06	3.38E-04	4.19E-04	1.12E-02	2.26E-04	2.01E-04	1.20E-02
2717	490610.04	3859160.04	0.0901	0.35963	0.0358	0.06251	3.64E-04	1.07E-02	2.28E-04	1.97E-04	1.15E-02	3.31E-04	1.16E-08	3.04E-06	5.38E-06	3.40E-04	4.21E-04	1.07E-02	2.28E-04	1.97E-04	1.16E-02
2718	490660.04	3859160.04	0.09054	0.33542	0.0363	0.06183	3.66E-04	1.00E-02	2.32E-04	1.95E-04	1.08E-02	3.33E-04	1.08E-08	3.09E-06	5.32E-06	3.41E-04	4.23E-04	1.00E-02	2.32E-04	1.95E-04	1.09E-02
2719	490710.04	3859160.04	0.09098	0.32411	0.0368	0.06091	3.68E-04	9.67E-03	2.35E-04	1.92E-04	1.05E-02	3.34E-04	1.04E-08	3.13E-06	5.24E-06	3.43E-04	4.25E-04	9.67E-03	2.35E-04	1.92E-04	1.05E-02
2720	490760.04	3859160.04	0.09097	0.30707	0.0374	0.0602	3.68E-04	9.16E-03	2.38E-04	1.90E-04	9.96E-03	3.34E-04	9.90E-09	3.18E-06	5.18E-06	3.43E-04	4.25E-04	9.16E-03	2.38E-04	1.90E-04	1.00E-02
2721	490810.04	3859160.04	0.09124	0.29675	0.0379	0.05936	3.69E-04	8.85E-03	2.41E-04	1.87E-04	9.65E-03	3.35E-04	9.56E-09	3.22E-06	5.11E-06	3.44E-04	4.27E-04	8.85E-03	2.41E-04	1.87E-04	9.71E-03
2722	490860.04	3859160.04	0.09144	0.28603	0.0384	0.05856	3.70E-04	8.53E-03	2.45E-04	1.85E-04	9.33E-03	3.36E-04	9.22E-09	3.26E-06	5.04E-06	3.44E-04	4.28E-04	8.53E-03	2.45E-04	1.85E-04	9.39E-03
2723	490360.04	3859210.04	0.08379	0.45962	0.032	0.06905	3.39E-04	1.37E-02	2.04E-04	2.18E-04	1.45E-02	3.08E-04	1.48E-08	2.72E-06	5.95E-06	3.17E-04	3.92E-04	1.37E-02	2.04E-04	2.18E-04	1.45E-02
2724	490410.04	3859210.04	0.08427	0.44397	0.0322	0.06764	3.41E-04	1.32E-02	2.05E-04	2.14E-04	1.40E-02	3.10E-04	1.43E-08	2.74E-06	5.82E-06	3.18E-04	3.94E-04	1.32E-02	2.05E-04	2.14E-04	1.41E-02
2725	490460.04	3859210.04	0.08499	0.41656	0.0324	0.06643	3.44E-04	1.24E-02	2.06E-04	2.10E-04	1.32E-02	3.12E-04	1.34E-08	2.75E-06	5.72E-06	3.21E-04	3.97E-04	1.24E-02	2.06E-04	2.10E-04	1.32E-02
2726	490510.04	3859210.04	0.08556	0.39663	0.0326	0.06529	3.46E-04	1.18E-02	2.08E-04	2.06E-04	1.26E-02	3.15E-04	1.28E-08	2.78E-06	5.62E-06	3.23E-04	4.00E-04	1.18E-02	2.08E-04	2.06E-04	1.26E-02
2727	490560.04	3859210.04	0.08606	0.38194	0.0329	0.06416	3.48E-04	1.14E-02	2.10E-04	2.03E-04	1.22E-02	3.16E-04	1.23E-08	2.80E-06	5.52E-06	3.25E-04	4.02E-04	1.14E-02	2.10E-04	2.03E-04	1.22E-02
2728	490610.04	3859210.04	0.08658	0.36394	0.0333	0.06318	3.50E-04	1.09E-02	2.12E-04	1.99E-04	1.16E-02	3.18E-04	1.17E-08	2.83E-06	5.44E-06	3.27E-04	4.05E-04	1.09E-02	2.12E-04	1.99E-04	1.17E-02
2729	490660.04	3859210.04	0.08702	0.34063	0.0337	0.06241	3.52E-04	1.02E-02	2.15E-04	1.97E-04	1.09E-02	3.20E-04	1.10E-08	2.87E-06	5.37E-06	3.28E-04	4.07E-04	1.02E-02	2.15E-04	1.97E-04	1.10E-02
2730	490710.04	3859210.04	0.08745	0.32678	0.0341	0.06148	3.53E-04	9.75E-03	2.18E-04	1.94E-04	1.05E-02	3.22E-04	1.05E-08	2.90E-06	5.29E-06	3.30E-04	4.09E-04	9.75E-03	2.18E-04	1.94E-04	1.06E-02
2731	490760.04	3859210.04	0.08743	0.30872	0.0347	0.06081	3.53E-04	9.21E-03	2.21E-04	1.92E-04	9.98E-03	3.21E-04	9.95E-09	2.95E-06	5.24E-06	3.30E-04	4.09E-04	9.21E-03	2.21E-04	1.92E-04	1.00E-02
2732	490810.04	3859210.04	0.08785	0.30302	0.035	0.05978	3.55E-04	9.04E-03	2.23E-04	1.89E-04	9.81E-03	3.23E-04	9.77E-09	2.98E-06	5.15E-06	3.31E-04	4.11E-04	9.04E-03	2.23E-04	1.89E-04	9.86E-03
2733	490860.04	3859210.04	0.08826	0.29687	0.0354	0.0588	3.57E-04	8.86E-03	2.26E-04	1.86E-04	9.62E-03	3.24E-04	9.57E-09	3.01E-06	5.06E-06	3.33E-04	4.13E-04	8.86E-03	2.26E-04	1.86E-04	9.68E-03
2734	490360.04	3859260.04	0.08092	0.46227	0.0299	0.06992	3.27E-04	1.38E-02	1.91E-04	2.21E-04	1.45E-02	2.98E-04	1.49E-08	2.54E-06	6.02E-06	3.06E-04	3.78E-04	1.38E-02	1.91E-04	2.21E-04	1.46E-02
2735	490410.04	3859260.04	0.08135	0.44425	0.0301	0.06845	3.29E-04	1.33E-02	1.92E-04	2.16E-04	1.40E-02	2.99E-04	1.43E-08	2.56E-06	5.89E-06	3.08E-04	3.80E-04	1.33E-02	1.92E-04	2.16E-04	1.40E-02
2736	490460.04	3859260.04	0.08176	0.42929	0.0303	0.06705	3.30E-04	1.28E-02	1.93E-04	2.12E-04	1.35E-02	3.01E-04	1.38E-08	2.58E-06	5.77E-06	3.09E-04	3.82E-04	1.28E-02	1.93E-04	2.12E-04	1.36E-02
2737	490510.04	3859260.04	0.08218	0.41449	0.0305	0.06572	3.32E-04	1.24E-02	1.95E-04	2.08E-04	1.31E-02	3.02E-04	1.34E-08	2.59E-06	5.66E-06	3.10E-04	3.84E-04	1.24E-02	1.95E-04	2.08E-04	1.32E-02
2738	490560.04	3859260.04	0.08272	0.39539	0.0307	0.06457	3.34E-04	1.18E-02	1.96E-04	2.04E-04	1.25E-02	3.04E-04	1.27E-08	2.61E-06	5.56E-06	3.12E-04	3.87E-04	1.18E-02	1.96E-04	2.04E-04	1.26E-02
2739	490610.04	3859260.04	0.08327	0.37148	0.031	0.06363	3.37E-04	1.11E-02	1.98E-04	2.01E-04	1.18E-02	3.06E-04	1.20E-08	2.64E-06	5.48E-06	3.14E-04	3.89E-04	1.11E-02	1.98E-04	2.01E-04	1.19E-02
2740	490660.04	3859260.04	0.0837	0.36305	0.0313	0.06245	3.38E-04	1.08E-02	2.00E-04	1.97E-04	1.16E-02	3.08E-04	1.17E-08	2.66E-06	5.38E-06	3.16E-04	3.91E-04	1.08E-02	2.00E-04	1.97E-04	1.16E-02
2741	490710.04	3859260.04	0.08416	0.34925	0.0316	0.06143	3.40E-04	1.04E-02	2.01E-04	1.94E-04	1.12E-02	3.09E-04	1.13E-08	2.68E-06	5.29E-06	3.17E-04	3.94E-04	1.04E-02	2.01E-04	1.94E-04	1.12E-02

2742	490760.04	3859260.04	0.08456	0.32834	0.032	0.06075	3.42E-04	9.80E-03	2.04E-04	1.92E-04	1.05E-02	3.11E-04	1.06E-08	2.72E-06	5.23E-06	3.19E-04	3.95E-04	9.80E-03	2.04E-04	1.92E-04	1.06E-02
2743	490810.04	3859260.04	0.085	0.31999	0.0323	0.05975	3.44E-04	9.55E-03	2.06E-04	1.89E-04	1.03E-02	3.13E-04	1.03E-08	2.75E-06	5.15E-06	3.20E-04	3.98E-04	9.55E-03	2.06E-04	1.89E-04	1.03E-02
2744	490860.04	3859260.04	0.08543	0.3118	0.0327	0.05879	3.45E-04	9.30E-03	2.08E-04	1.86E-04	1.00E-02	3.14E-04	1.00E-08	2.78E-06	5.06E-06	3.22E-04	4.00E-04	9.30E-03	2.08E-04	1.86E-04	1.01E-02
2745	490360.04	3859310.04	0.0781	0.47194	0.0281	0.07067	3.16E-04	1.41E-02	1.79E-04	2.23E-04	1.48E-02	2.87E-04	1.52E-08	2.39E-06	6.09E-06	2.96E-04	3.65E-04	1.41E-02	1.79E-04	2.23E-04	1.48E-02
2746	490410.04	3859310.04	0.07848	0.45352	0.0283	0.06909	3.17E-04	1.35E-02	1.80E-04	2.18E-04	1.42E-02	2.89E-04	1.46E-08	2.40E-06	5.95E-06	2.97E-04	3.67E-04	1.35E-02	1.80E-04	2.18E-04	1.43E-02
2747	490460.04	3859310.04	0.07884	0.43717	0.0285	0.06761	3.19E-04	1.30E-02	1.82E-04	2.13E-04	1.38E-02	2.90E-04	1.41E-08	2.42E-06	5.82E-06	2.98E-04	3.69E-04	1.30E-02	1.82E-04	2.13E-04	1.38E-02
2748	490510.04	3859310.04	0.07918	0.42397	0.0287	0.06619	3.20E-04	1.26E-02	1.83E-04	2.09E-04	1.34E-02	2.91E-04	1.37E-08	2.44E-06	5.70E-06	2.99E-04	3.70E-04	1.26E-02	1.83E-04	2.09E-04	1.34E-02
2749	490560.04	3859310.04	0.07958	0.41008	0.0289	0.06486	3.22E-04	1.22E-02	1.84E-04	2.05E-04	1.29E-02	2.93E-04	1.32E-08	2.45E-06	5.59E-06	3.01E-04	3.72E-04	1.22E-02	1.84E-04	2.05E-04	1.30E-02
2750	490610.04	3859310.04	0.07998	0.39804	0.0291	0.06359	3.23E-04	1.19E-02	1.85E-04	2.01E-04	1.26E-02	2.94E-04	1.28E-08	2.47E-06	5.48E-06	3.02E-04	3.74E-04	1.19E-02	1.85E-04	2.01E-04	1.26E-02
2751	490660.04	3859310.04	0.08044	0.38344	0.0293	0.06244	3.25E-04	1.14E-02	1.87E-04	1.97E-04	1.21E-02	2.96E-04	1.24E-08	2.49E-06	5.38E-06	3.04E-04	3.76E-04	1.14E-02	1.87E-04	1.97E-04	1.22E-02
2752	490710.04	3859310.04	0.08098	0.36051	0.0295	0.06159	3.27E-04	1.08E-02	1.88E-04	1.94E-04	1.15E-02	2.98E-04	1.16E-08	2.51E-06	5.30E-06	3.06E-04	3.79E-04	1.08E-02	1.88E-04	1.94E-04	1.15E-02
2753	490760.04	3859310.04	0.08142	0.34607	0.0298	0.06064	3.29E-04	1.03E-02	1.90E-04	1.91E-04	1.10E-02	2.99E-04	1.12E-08	2.53E-06	5.22E-06	3.07E-04	3.81E-04	1.03E-02	1.90E-04	1.91E-04	1.11E-02
2754	490810.04	3859310.04	0.08184	0.33646	0.03	0.05962	3.31E-04	1.00E-02	1.92E-04	1.88E-04	1.07E-02	3.01E-04	1.08E-08	2.55E-06	5.13E-06	3.09E-04	3.83E-04	1.00E-02	1.92E-04	1.88E-04	1.08E-02
2755	490860.04	3859310.04	0.08226	0.32378	0.0304	0.05875	3.33E-04	9.66E-03	1.94E-04	1.85E-04	1.04E-02	3.02E-04	1.04E-08	2.58E-06	5.06E-06	3.10E-04	3.85E-04	9.66E-03	1.94E-04	1.85E-04	1.04E-02
2756	490360.04	3859360.04	0.07549	0.48144	0.0265	0.07134	3.05E-04	1.44E-02	1.69E-04	2.25E-04	1.51E-02	2.78E-04	1.55E-08	2.25E-06	6.14E-06	2.86E-04	3.53E-04	1.44E-02	1.69E-04	2.25E-04	1.51E-02
2757	490410.04	3859360.04	0.07573	0.46635	0.0267	0.06963	3.06E-04	1.39E-02	1.70E-04	2.20E-04	1.46E-02	2.78E-04	1.50E-08	2.27E-06	6.00E-06	2.87E-04	3.54E-04	1.39E-02	1.70E-04	2.20E-04	1.47E-02
2758	490460.04	3859360.04	0.07598	0.4525	0.0269	0.06801	3.07E-04	1.35E-02	1.71E-04	2.15E-04	1.42E-02	2.79E-04	1.46E-08	2.29E-06	5.86E-06	2.87E-04	3.55E-04	1.35E-02	1.71E-04	2.15E-04	1.42E-02
2759	490510.04	3859360.04	0.07628	0.43873	0.0271	0.06649	3.08E-04	1.31E-02	1.73E-04	2.10E-04	1.38E-02	2.80E-04	1.41E-08	2.30E-06	5.73E-06	2.88E-04	3.57E-04	1.31E-02	1.73E-04	2.10E-04	1.38E-02
2760	490560.04	3859360.04	0.07668	0.42209	0.0272	0.0651	3.10E-04	1.26E-02	1.74E-04	2.06E-04	1.33E-02	2.82E-04	1.36E-08	2.31E-06	5.61E-06	2.90E-04	3.59E-04	1.26E-02	1.74E-04	2.06E-04	1.33E-02
2761	490610.04	3859360.04	0.07709	0.40643	0.0274	0.06381	3.12E-04	1.21E-02	1.75E-04	2.01E-04	1.28E-02	2.83E-04	1.31E-08	2.33E-06	5.49E-06	2.91E-04	3.61E-04	1.21E-02	1.75E-04	2.01E-04	1.29E-02
2762	490660.04	3859360.04	0.07748	0.39307	0.0276	0.06258	3.13E-04	1.17E-02	1.76E-04	1.98E-04	1.24E-02	2.85E-04	1.27E-08	2.34E-06	5.39E-06	2.93E-04	3.62E-04	1.17E-02	1.76E-04	1.98E-04	1.25E-02
2763	490710.04	3859360.04	0.07794	0.37607	0.0278	0.06152	3.15E-04	1.12E-02	1.77E-04	1.94E-04	1.19E-02	2.87E-04	1.21E-08	2.36E-06	5.30E-06	2.94E-04	3.64E-04	1.12E-02	1.77E-04	1.94E-04	1.20E-02
2764	490760.04	3859360.04	0.0784	0.35863	0.028	0.06057	3.17E-04	1.07E-02	1.78E-04	1.91E-04	1.14E-02	2.88E-04	1.16E-08	2.38E-06	5.22E-06	2.96E-04	3.67E-04	1.07E-02	1.78E-04	1.91E-04	1.14E-02
2765	490810.04	3859360.04	0.07879	0.35145	0.0282	0.05943	3.18E-04	1.05E-02	1.80E-04	1.88E-04	1.12E-02	2.90E-04	1.13E-08	2.39E-06	5.12E-06	2.97E-04	3.68E-04	1.05E-02	1.80E-04	1.88E-04	1.12E-02
2766	490860.04	3859360.04	0.07922	0.33968	0.0284	0.05847	3.20E-04	1.01E-02	1.81E-04	1.85E-04	1.08E-02	2.91E-04	1.09E-08	2.41E-06	5.03E-06	2.99E-04	3.70E-04	1.01E-02	1.81E-04	1.85E-04	1.09E-02
2767	490360.04	3859410.04	0.07306	0.48991	0.0251	0.07192	2.95E-04	1.46E-02	1.60E-04	2.27E-04	1.53E-02	2.69E-04	1.58E-08	2.13E-06	6.19E-06	2.77E-04	3.42E-04	1.46E-02	1.60E-04	2.27E-04	1.53E-02
2768	490410.04	3859410.04	0.07321	0.47591	0.0253	0.07009	2.96E-04	1.42E-02	1.61E-04	2.21E-04	1.49E-02	2.69E-04	1.53E-08	2.15E-06	6.04E-06	2.77E-04	3.42E-04	1.42E-02	1.61E-04	2.21E-04	1.49E-02
2769	490460.04	3859410.04	0.07341	0.46218	0.0255	0.06837	2.97E-04	1.38E-02	1.62E-04	2.16E-04	1.45E-02	2.70E-04	1.49E-08	2.16E-06	5.89E-06	2.78E-04	3.43E-04	1.38E-02	1.62E-04	2.16E-04	1.45E-02
2770	490510.04	3859410.04	0.07366	0.44839	0.0256	0.06676	2.98E-04	1.34E-02	1.63E-04	2.11E-04	1.40E-02	2.71E-04	1.45E-08	2.18E-06	5.75E-06	2.79E-04	3.44E-04	1.34E-02	1.63E-04	2.11E-04	1.41E-02
2771	490560.04	3859410.04	0.07394	0.43497	0.0258	0.06525	2.99E-04	1.30E-02	1.64E-04	2.06E-04	1.36E-02	2.72E-04	1.40E-08	2.19E-06	5.62E-06	2.80E-04	3.46E-04	1.30E-02	1.64E-04	2.06E-04	1.37E-02
2772	490610.04	3859410.04	0.07425	0.42162	0.0259	0.06383	3.00E-04	1.26E-02	1.65E-04	2.02E-04	1.32E-02	2.73E-04	1.36E-08	2.21E-06	5.50E-06	2.81E-04	3.47E-04	1.26E-02	1.65E-04	2.02E-04	1.33E-02
2773	490660.04	3859410.04	0.07468	0.40414	0.0261	0.06257	3.02E-04	1.21E-02	1.66E-04	1.98E-04	1.27E-02	2.75E-04	1.30E-08	2.22E-06	5.39E-06	2.82E-04	3.49E-04	1.21E-02	1.66E-04	1.98E-04	1.28E-02
2774	490710.04	3859410.04	0.07508	0.38918	0.0262	0.06137	3.03E-04	1.16E-02	1.67E-04	1.94E-04	1.23E-02	2.76E-04	1.25E-08	2.23E-06	5.28E-06	2.84E-04	3.51E-04	1.16E-02	1.67E-04	1.94E-04	1.23E-02
2775	490760.04	3859410.04	0.07553	0.37109	0.0264	0.06035	3.05E-04	1.11E-02	1.68E-04	1.91E-04	1.17E-02	2.78E-04	1.20E-08	2.24E-06	5.20E-06	2.85E-04	3.53E-04	1.11E-02	1.68E-04	1.91E-04	1.18E-02
2776	490810.04	3859410.04	0.07589	0.36254	0.0266	0.0592	3.07E-04	1.08E-02	1.69E-04	1.87E-04	1.15E-02	2.79E-04	1.17E-08	2.26E-06	5.10E-06	2.86E-04	3.55E-04	1.08E-02	1.69E-04	1.87E-04	1.15E-02
2777	490860.04	3859410.04	0.07624	0.35652	0.0267	0.05803	3.08E-04	1.06E-02	1.70E-04	1.83E-04	1.13E-02	2.80E-04	1.15E-08	2.27E-06	5.00E-06	2.88E-04	3.57E-04	1.06E-02	1.70E-04	1.83E-04	1.13E-02
2778	490360.04	3859460.04	0.07086	0.49541	0.0237	0.07232	2.86E-04	1.48E-02	1.51E-04	2.28E-04	1.54E-02	2.61E-04	1.60E-08	2.02E-06	6.23E-06	2.69E-04	3.31E-04	1.48E-02	1.51E-04	2.28E-04	1.55E-02
2779	490410.04	3859460.04	0.07099	0.48102	0.024	0.07038	2.87E-04	1.44E-02	1.53E-04	2.22E-04	1.50E-02	2.61E-04	1.55E-08	2.04E-06	6.06E-06	2.69E-04	3.32E-04	1.44E-02	1.53E-04	2.22E-04	1.51E-02
2780	490460.04	3859460.04	0.07112	0.46806	0.0241	0.06858	2.87E-04	1.40E-02	1.54E-04	2.17E-04	1.46E-02	2.61E-04	1.51E-08	2.05E-06	5.91E-06	2.69E-04	3.33E-04	1.40E-02	1.54E-04	2.17E-04	1.47E-02
2781	490510.04	3859460.04	0.07129	0.45499	0.0243	0.06688	2.88E-04	1.36E-02	1.55E-04	2.11E-04	1.42E-02	2.62E-04	1.47E-08	2.07E-06	5.76E-06	2.70E-04	3.33E-04	1.36E-02	1.55E-04	2.11E-04	1.43E-02
2782	490560.04	3859460.04	0.07149	0.44256	0.0245	0.06528	2.89E-04	1.32E-02	1.56E-04	2.06E-04	1.39E-02	2.63E-04	1.43E-08	2.08E-06	5.62E-06	2.71E-04	3.34E-04	1.32E-02	1.56E-04	2.06E-04	1.39E-02
2783	490610.04	3859460.04	0.07177	0.42881	0.0246	0.06378	2.90E-04	1.28E-02	1.57E-04	2.01E-04	1.34E-02	2.64E-04	1.38E-08	2.09E-06	5.49E-06	2.71E-04	3.36E-04	1.28E-02	1.57E-04	2.01E-04	1.35E-02
2784	490660.04	3859460.04	0.0721	0.4145	0.0247	0.0624	2.91E-04	1.24E-02	1.58E-04	1.97E-04	1.30E-02	2.65E-04	1.34E-08	2.10E-06	5.37E-06	2.73E-04	3.37E-04	1.24E-02	1.58E-04	1.97E-04	1.31E-02
2785	490710.04	3859460.04	0.07238	0.40265	0.0249	0.06106	2.93E-04	1.20E-02	1.59E-04	1.93E-04	1.27E-02	2.66E-04	1.30E-08	2.12E-06	5.26E-06	2.73E-04	3.38E-04	1.20E-02	1.59E-04	1.93E-04	1.27E-02
2786	490760.04	3859460.04	0.07276	0.38893	0.025	0.05986	2.94E-04	1.16E-02	1.60E-04	1.89E-04	1.22E-02	2.68E-04	1.25E-08	2.13E-06	5.15E-06	2.75E-04	3.40E-04	1.16E-02	1.60E-04	1.89E-04	1.23E-02
2787	490810.04	3859460.04	0.07313	0.37604	0.0252	0.05872	2.96E-04	1.12E-02	1.60E-04	1.85E-04	1.19E-02	2.69E-04	1.21E-08	2.14E-06	5.06E-06	2.76E-04	3.42E-04	1.12E-02	1.60E-04	1.85E-04	1.19E-02
2788	490860.04	3859460.04	0.07345	0.36823	0.0253	0.05753	2.97E-04	1.10E-02	1.61E-04	1.82E-04	1.16E-02	2.70E-04	1.19E-08	2.15E-06	4.95E-06	2.77E-04	3.43E-04	1.10E-02	1.61E-04	1.82E-04	1.17E-02
2789	490360.04	3859510.04	0.06889	0.49871	0.0223	0.07243	2.78E-04	1.49E-02	1.42E-04	2.29E-04	1.55E-02	2.53E-04	1.61E-08	1.89E-06	6.24E-06	2.61E-04	3.22E-04	1.49E-02	1.42E-04	2.29E-04	1.56E-02
2790	490410.04	3859510.04	0.0689	0.48621	0.0226	0.07042	2.79E-04	1.45E-02	1.44E-04	2.22E-04	1.52E-02	2.53E-04	1.57E-08	1.93E-06	6.06E-06	2.61E-04	3.22E-04	1.45E-02	1.44E-04	2.22E-04	1.52E-02
2791	490460.04	3859510.04	0.06899	0.47314	0.023	0.06852	2.79E-04	1.41E-02	1.46E-04	2.16E-04	1.48E-02	2.54E-04	1.52E-08	1.95E-06	5.90E-06	2.62E-04	3.23E-04	1.41E-02	1.46E-04	2.16E-04	1.48E-02
2792	490510.04	3859510.04	0.0691	0.46073	0.0231	0.06674	2.79E-04	1.37E-02	1.48E-04	2.11E-04	1.44E-02	2.54E-04	1.48E-08	1.97E-06	5.75E-06	2.62E-04	3.23E-04	1.37E-02	1.48E-04	2.11E-04	1.44E-02
2793	490560.04	3859510.04	0.06925	0.44842	0.0233	0.06506	2.80E-04	1.34E-02	1.48E-04	2.05E-04	1.40E-02	2.55E-04	1.45E-08	1.98E-06	5.60E-06	2.62E-04	3.24E-04	1.34E-02	1.48E-04	2.05E-04	1.41E-02
2794	490610.04	3859510.04	0.06947	0.43551	0.0234	0.06349	2.81E-04	1.30E-02	1.49E-04	2.00E-04	1.36E-02	2.55E-04	1.40E-08	1.99E-06	5.47E-06	2.63E-04	3.25E-04	1.30E-02	1.49E-04	2.00E-04	1.37E-02
2795	490660.04	3859510.04	0.06971	0.42276	0.0235	0.06201	2.82E-04	1.26E-02	1.50E-04	1.96E-04	1.32E-02	2.56E-04	1.36E-08	2.00E-06	5.34E-06	2.64E-04	3.26E-04	1.26E-02	1.50E-04	1.96E-04	1.33E-02
2796	490710.04	3859510.04	0.06998	0.40986	0.0237	0.06063	2.83E-04	1.22E-02	1.51E-04	1.91E-04	1.29E-02	2.57E-04	1.32E-08	2.01E-06	5.22E-06	2.65E-04	3.27E-04	1.22E-02	1.51E-04	1.91E-04	1.29E-02
2797	490760.04	3859510.04	0.07027	0.39768	0.0238	0.05933	2.84E-04	1.19E-02	1.52E-04	1.87E-04	1.25E-02	2.58E-04	1.28E-08	2.02E-06	5.11E-06	2.65E-04	3.29E-04	1.19E-02	1.52E-04	1.87E-04	1.25E-02
2798	490810.04	3859510.04	0.07055	0.38742	0.0239	0.05808	2.85E-04	1.16E-02	1.53E-04	1.83E-04	1.22E-02	2.59E-04	1.25E-08	2.04E-06	5.00E-06	2.66E-04	3.30E-04	1.16E-02	1.53E-04	1.83E-04	1.22E-02
2799	490860.04	3859510.04	0.07087	0.37631	0.0241	0.05692	2.86E-04	1.12E-02	1.53E-04	1.80E-04	1.18E-02	2.61E-04	1.21E-08	2.05E-06	4.90E-06	2.68E-04	3.31E-04	1.12E-02	1.53E-04	1.80E-04	1.19E-02
2800	490360.04	3859560.04	0.06708	0.50103	0.0209	0.07218	2.71E-04	1.49E-02	1.33E-04	2.28E-04	1.56E-02	2.47E-04	1.61E-08	1.78E-06	6.22E-06	2.55E-04	3.14E-04	1.49E-02	1.33E-04	2.28E-04	1.56E-02
2801	490410.04	3859560.04	0.06702	0.48914	0.0213	0.07011	2.71E-04	1.46E-02	1.36E-04	2.21E-04	1.52E-02	2.46E-04	1.58E-08	1.81E-06	6.04E-06	2.54E-04	3.13E-04	1.46E-02	1.36E-04	2.21E-04	1.53E-02
2802	490460.04	3859560.04	0.06702	0.47718	0.0216	0.06815	2.71E-04	1.42E-02	1.38E-04	2.15E-04	1.49E-02	2.46E-04	1.54E-08	1.84E-06	5.87E-06	2.54E-04	3.13E-04	1.42E-02	1.38E-04	2.15E-04	1.49E-02

2803	490510.04	3859560.04	0.06713	0.46436	0.022	0.06628	2.71E-04	1.39E-02	1.40E-04	2.09E-04	1.45E-02	2.47E-04	1.50E-08	1.87E-06	5.71E-06	2.54E-04	3.14E-04	1.39E-02	1.40E-04	2.09E-04	1.45E-02
2804	490560.04	3859560.04	0.06718	0.4533	0.0222	0.06456	2.72E-04	1.35E-02	1.42E-04	2.04E-04	1.41E-02	2.47E-04	1.46E-08	1.89E-06	5.56E-06	2.54E-04	3.14E-04	1.35E-02	1.42E-04	2.04E-04	1.42E-02
2805	490610.04	3859560.04	0.06734	0.44109	0.0223	0.06293	2.72E-04	1.32E-02	1.42E-04	1.99E-04	1.38E-02	2.48E-04	1.42E-08	1.90E-06	5.42E-06	2.55E-04	3.15E-04	1.32E-02	1.42E-04	1.99E-04	1.38E-02
2806	490660.04	3859560.04	0.06751	0.42919	0.0225	0.06139	2.73E-04	1.28E-02	1.43E-04	1.94E-04	1.34E-02	2.48E-04	1.38E-08	1.91E-06	5.29E-06	2.55E-04	3.16E-04	1.28E-02	1.43E-04	1.94E-04	1.35E-02
2807	490710.04	3859560.04	0.06774	0.41689	0.0226	0.05995	2.74E-04	1.24E-02	1.44E-04	1.89E-04	1.30E-02	2.49E-04	1.34E-08	1.92E-06	5.16E-06	2.56E-04	3.17E-04	1.24E-02	1.44E-04	1.89E-04	1.31E-02
2808	490760.04	3859560.04	0.06802	0.40339	0.0227	0.05862	2.75E-04	1.20E-02	1.45E-04	1.85E-04	1.26E-02	2.50E-04	1.30E-08	1.93E-06	5.05E-06	2.57E-04	3.18E-04	1.20E-02	1.45E-04	1.85E-04	1.27E-02
2809	490810.04	3859560.04	0.06828	0.39191	0.0228	0.05736	2.76E-04	1.17E-02	1.45E-04	1.81E-04	1.23E-02	2.51E-04	1.26E-08	1.94E-06	4.94E-06	2.58E-04	3.19E-04	1.17E-02	1.45E-04	1.81E-04	1.23E-02
2810	490860.04	3859560.04	0.06856	0.38033	0.0229	0.05617	2.77E-04	1.13E-02	1.46E-04	1.77E-04	1.19E-02	2.52E-04	1.23E-08	1.95E-06	4.84E-06	2.59E-04	3.21E-04	1.13E-02	1.46E-04	1.77E-04	1.20E-02
2811	490187.25	3859422.08	0.07238	0.54241	0.0235	0.07941	2.93E-04	1.62E-02	1.50E-04	2.51E-04	1.69E-02	2.66E-04	1.75E-08	2.00E-06	6.84E-06	2.75E-04	3.38E-04	1.62E-02	1.50E-04	2.51E-04	1.69E-02
2812	490237.25	3859422.08	0.07235	0.52721	0.024	0.07711	2.92E-04	1.57E-02	1.53E-04	2.43E-04	1.64E-02	2.66E-04	1.70E-08	2.04E-06	6.64E-06	2.75E-04	3.38E-04	1.57E-02	1.53E-04	2.43E-04	1.65E-02
2813	490287.25	3859422.08	0.07237	0.51257	0.0244	0.07495	2.93E-04	1.53E-02	1.55E-04	2.37E-04	1.60E-02	2.66E-04	1.65E-08	2.07E-06	6.45E-06	2.75E-04	3.38E-04	1.53E-02	1.55E-04	2.37E-04	1.60E-02
2814	490337.25	3859422.08	0.07248	0.49738	0.0246	0.07291	2.93E-04	1.48E-02	1.57E-04	2.30E-04	1.55E-02	2.66E-04	1.60E-08	2.09E-06	6.28E-06	2.75E-04	3.39E-04	1.48E-02	1.57E-04	2.30E-04	1.56E-02
2815	490187.25	3859472.08	0.07056	0.54369	0.022	0.08009	2.85E-04	1.62E-02	1.41E-04	2.53E-04	1.69E-02	2.59E-04	1.75E-08	1.87E-06	6.90E-06	2.68E-04	3.30E-04	1.62E-02	1.41E-04	2.53E-04	1.69E-02
2816	490237.25	3859472.08	0.07043	0.52969	0.0224	0.07769	2.85E-04	1.58E-02	1.43E-04	2.45E-04	1.65E-02	2.59E-04	1.71E-08	1.91E-06	6.69E-06	2.68E-04	3.29E-04	1.58E-02	1.43E-04	2.45E-04	1.65E-02
2817	490287.25	3859472.08	0.07042	0.51497	0.0229	0.0754	2.85E-04	1.54E-02	1.46E-04	2.38E-04	1.60E-02	2.59E-04	1.66E-08	1.94E-06	6.49E-06	2.67E-04	3.29E-04	1.54E-02	1.46E-04	2.38E-04	1.61E-02
2818	490337.25	3859472.08	0.07037	0.50213	0.0232	0.0733	2.84E-04	1.50E-02	1.48E-04	2.31E-04	1.56E-02	2.59E-04	1.62E-08	1.97E-06	6.31E-06	2.67E-04	3.29E-04	1.50E-02	1.48E-04	2.31E-04	1.57E-02
2819	490297.07	3859500.42	0.06933	0.51398	0.0221	0.0751	2.80E-04	1.53E-02	1.41E-04	2.37E-04	1.60E-02	2.55E-04	1.66E-08	1.88E-06	6.47E-06	2.63E-04	3.24E-04	1.53E-02	1.41E-04	2.37E-04	1.60E-02
2820	490327.07	3859500.42	0.06924	0.50711	0.0223	0.07383	2.80E-04	1.51E-02	1.42E-04	2.33E-04	1.58E-02	2.55E-04	1.63E-08	1.89E-06	6.36E-06	2.63E-04	3.24E-04	1.51E-02	1.42E-04	2.33E-04	1.58E-02
2821	490297.07	3859530.42	0.0682	0.51605	0.0212	0.07514	2.76E-04	1.54E-02	1.35E-04	2.37E-04	1.60E-02	2.51E-04	1.66E-08	1.80E-06	6.47E-06	2.59E-04	3.19E-04	1.54E-02	1.35E-04	2.37E-04	1.61E-02
2822	490327.07	3859530.42	0.06815	0.50831	0.0214	0.0738	2.75E-04	1.52E-02	1.37E-04	2.33E-04	1.58E-02	2.51E-04	1.64E-08	1.82E-06	6.35E-06	2.59E-04	3.19E-04	1.52E-02	1.37E-04	2.33E-04	1.59E-02
2823	490319.73	3859055.34	0.09388	0.4582	0.0401	0.06662	3.79E-04	1.37E-02	2.56E-04	2.10E-04	1.45E-02	3.45E-04	1.48E-08	3.41E-06	5.74E-06	3.54E-04	4.39E-04	1.37E-02	2.56E-04	2.10E-04	1.46E-02
2824	490319.73	3859105.34	0.09023	0.46299	0.037	0.06795	3.65E-04	1.38E-02	2.36E-04	2.15E-04	1.46E-02	3.32E-04	1.49E-08	3.15E-06	5.85E-06	3.41E-04	4.22E-04	1.38E-02	2.36E-04	2.15E-04	1.47E-02
2825	490069.73	3859155.34	0.08486	0.55082	0.033	0.07744	3.43E-04	1.64E-02	2.10E-04	2.45E-04	1.72E-02	3.12E-04	1.78E-08	2.81E-06	6.67E-06	3.21E-04	3.97E-04	1.64E-02	2.10E-04	2.45E-04	1.73E-02
2826	490119.73	3859155.34	0.08506	0.53524	0.0333	0.07562	3.44E-04	1.60E-02	2.13E-04	2.39E-04	1.68E-02	3.13E-04	1.73E-08	2.84E-06	6.51E-06	3.22E-04	3.98E-04	1.60E-02	2.13E-04	2.39E-04	1.68E-02
2827	490269.73	3859155.34	0.0861	0.49014	0.0342	0.07064	3.48E-04	1.46E-02	2.18E-04	2.23E-04	1.54E-02	3.17E-04	1.58E-08	2.91E-06	6.08E-06	3.26E-04	4.03E-04	1.46E-02	2.18E-04	2.23E-04	1.55E-02
2828	490319.73	3859155.34	0.08676	0.47024	0.0344	0.06912	3.51E-04	1.40E-02	2.19E-04	2.18E-04	1.48E-02	3.19E-04	1.52E-08	2.92E-06	5.95E-06	3.28E-04	4.06E-04	1.40E-02	2.19E-04	2.18E-04	1.49E-02
2829	490069.73	3859205.34	0.08202	0.56211	0.0307	0.07911	3.32E-04	1.68E-02	1.96E-04	2.50E-04	1.75E-02	3.02E-04	1.81E-08	2.61E-06	6.81E-06	3.11E-04	3.84E-04	1.68E-02	1.96E-04	2.50E-04	1.76E-02
2830	490119.73	3859205.34	0.082	0.54857	0.0311	0.0772	3.31E-04	1.64E-02	1.99E-04	2.44E-04	1.71E-02	3.01E-04	1.77E-08	2.65E-06	6.65E-06	3.11E-04	3.83E-04	1.64E-02	1.99E-04	2.44E-04	1.72E-02
2831	490169.73	3859205.34	0.08221	0.53236	0.0315	0.07531	3.32E-04	1.59E-02	2.01E-04	2.38E-04	1.67E-02	3.02E-04	1.72E-08	2.67E-06	6.48E-06	3.11E-04	3.84E-04	1.59E-02	2.01E-04	2.38E-04	1.67E-02
2832	490219.73	3859205.34	0.08264	0.51315	0.0316	0.07348	3.34E-04	1.53E-02	2.02E-04	2.32E-04	1.61E-02	3.04E-04	1.65E-08	2.69E-06	6.33E-06	3.13E-04	3.86E-04	1.53E-02	2.02E-04	2.32E-04	1.61E-02
2833	490269.73	3859205.34	0.08322	0.49117	0.0318	0.07175	3.36E-04	1.47E-02	2.03E-04	2.27E-04	1.54E-02	3.06E-04	1.58E-08	2.70E-06	6.18E-06	3.15E-04	3.89E-04	1.47E-02	2.03E-04	2.27E-04	1.55E-02
2834	490319.73	3859205.34	0.08364	0.47465	0.032	0.07017	3.38E-04	1.42E-02	2.04E-04	2.22E-04	1.49E-02	3.08E-04	1.53E-08	2.72E-06	6.04E-06	3.16E-04	3.91E-04	1.42E-02	2.04E-04	2.22E-04	1.50E-02
2835	490069.73	3859255.34	0.07961	0.56742	0.0286	0.08057	3.22E-04	1.69E-02	1.82E-04	2.54E-04	1.77E-02	2.93E-04	1.83E-08	2.43E-06	6.94E-06	3.02E-04	3.72E-04	1.69E-02	1.82E-04	2.54E-04	1.77E-02
2836	490119.73	3859255.34	0.07953	0.55312	0.029	0.07853	3.21E-04	1.65E-02	1.85E-04	2.48E-04	1.73E-02	2.92E-04	1.78E-08	2.47E-06	6.76E-06	3.02E-04	3.72E-04	1.65E-02	1.85E-04	2.48E-04	1.73E-02
2837	490169.73	3859255.34	0.07963	0.53732	0.0294	0.07655	3.22E-04	1.60E-02	1.87E-04	2.42E-04	1.68E-02	2.93E-04	1.73E-08	2.50E-06	6.59E-06	3.02E-04	3.72E-04	1.60E-02	1.87E-04	2.42E-04	1.68E-02
2838	490219.73	3859255.34	0.07994	0.51849	0.0296	0.07461	3.23E-04	1.55E-02	1.89E-04	2.36E-04	1.62E-02	2.94E-04	1.67E-08	2.51E-06	6.42E-06	3.03E-04	3.74E-04	1.55E-02	1.89E-04	2.36E-04	1.63E-02
2839	490269.73	3859255.34	0.08034	0.49883	0.0298	0.07279	3.25E-04	1.49E-02	1.90E-04	2.30E-04	1.56E-02	2.95E-04	1.61E-08	2.53E-06	6.27E-06	3.04E-04	3.76E-04	1.49E-02	1.90E-04	2.30E-04	1.57E-02
2840	490319.73	3859255.34	0.08069	0.48181	0.03	0.07111	3.26E-04	1.44E-02	1.91E-04	2.25E-04	1.51E-02	2.97E-04	1.55E-08	2.55E-06	6.12E-06	3.05E-04	3.77E-04	1.44E-02	1.91E-04	2.25E-04	1.52E-02
2841	490069.73	3859305.34	0.07744	0.5709	0.0266	0.08199	3.13E-04	1.70E-02	1.70E-04	2.59E-04	1.78E-02	2.85E-04	1.84E-08	2.26E-06	7.06E-06	2.94E-04	3.62E-04	1.70E-02	1.70E-04	2.59E-04	1.78E-02
2842	490119.73	3859305.34	0.07725	0.55705	0.027	0.07984	3.12E-04	1.66E-02	1.72E-04	2.52E-04	1.74E-02	2.84E-04	1.80E-08	2.30E-06	6.88E-06	2.93E-04	3.61E-04	1.66E-02	1.72E-04	2.52E-04	1.74E-02
2843	490169.73	3859305.34	0.07725	0.54152	0.0274	0.07774	3.12E-04	1.62E-02	1.75E-04	2.45E-04	1.69E-02	2.84E-04	1.75E-08	2.33E-06	6.69E-06	2.93E-04	3.61E-04	1.62E-02	1.75E-04	2.45E-04	1.69E-02
2844	490219.73	3859305.34	0.07742	0.52412	0.0277	0.0757	3.13E-04	1.56E-02	1.77E-04	2.39E-04	1.64E-02	2.85E-04	1.69E-08	2.36E-06	6.52E-06	2.94E-04	3.62E-04	1.56E-02	1.77E-04	2.39E-04	1.64E-02
2845	490269.73	3859305.34	0.07767	0.50665	0.0279	0.07378	3.14E-04	1.51E-02	1.78E-04	2.33E-04	1.58E-02	2.86E-04	1.63E-08	2.38E-06	6.35E-06	2.94E-04	3.63E-04	1.51E-02	1.78E-04	2.33E-04	1.59E-02
2846	490319.73	3859305.34	0.07803	0.48734	0.0281	0.07196	3.15E-04	1.45E-02	1.79E-04	2.27E-04	1.53E-02	2.87E-04	1.57E-08	2.39E-06	6.20E-06	2.95E-04	3.65E-04	1.45E-02	1.79E-04	2.27E-04	1.53E-02
2847	490069.73	3859355.34	0.07535	0.57507	0.0248	0.08344	3.05E-04	1.72E-02	1.58E-04	2.63E-04	1.79E-02	2.77E-04	1.85E-08	2.11E-06	7.19E-06	2.86E-04	3.52E-04	1.72E-02	1.58E-04	2.63E-04	1.79E-02
2848	490119.73	3859355.34	0.07509	0.56103	0.0251	0.08116	3.04E-04	1.67E-02	1.60E-04	2.56E-04	1.75E-02	2.76E-04	1.81E-08	2.14E-06	6.99E-06	2.85E-04	3.51E-04	1.67E-02	1.60E-04	2.56E-04	1.75E-02
2849	490169.73	3859355.34	0.07502	0.54556	0.0256	0.07891	3.03E-04	1.63E-02	1.63E-04	2.49E-04	1.70E-02	2.76E-04	1.76E-08	2.17E-06	6.79E-06	2.85E-04	3.51E-04	1.63E-02	1.63E-04	2.49E-04	1.70E-02
2850	490219.73	3859355.34	0.07512	0.52857	0.026	0.07673	3.04E-04	1.58E-02	1.66E-04	2.42E-04	1.65E-02	2.76E-04	1.70E-08	2.21E-06	6.61E-06	2.85E-04	3.51E-04	1.58E-02	1.66E-04	2.42E-04	1.65E-02
2851	490269.73	3859355.34	0.07524	0.51268	0.0263	0.07469	3.04E-04	1.53E-02	1.68E-04	2.36E-04	1.60E-02	2.77E-04	1.65E-08	2.24E-06	6.43E-06	2.85E-04	3.52E-04	1.53E-02	1.68E-04	2.36E-04	1.61E-02
2852	490319.73	3859355.34	0.07548	0.49531	0.0265	0.07275	3.05E-04	1.48E-02	1.69E-04	2.30E-04	1.55E-02	2.78E-04	1.60E-08	2.25E-06	6.26E-06	2.86E-04	3.53E-04	1.48E-02	1.69E-04	2.30E-04	1.55E-02
2853	490069.73	3859405.34	0.07344	0.57746	0.0231	0.08482	2.97E-04	1.72E-02	1.47E-04	2.68E-04	1.79E-02	2.70E-04	1.86E-08	1.97E-06	7.30E-06	2.79E-04	3.43E-04	1.72E-02	1.47E-04	2.68E-04	1.80E-02
2854	490119.73	3859405.34	0.07316	0.56278	0.0235	0.08234	2.96E-04	1.68E-02	1.50E-04	2.60E-04	1.75E-02	2.69E-04	1.81E-08	2.00E-06	7.09E-06	2.78E-04	3.42E-04	1.68E-02	1.50E-04	2.60E-04	1.75E-02
2855	490169.73	3859405.34	0.07304	0.5472	0.0239	0.07993	2.95E-04	1.63E-02	1.52E-04	2.52E-04	1.70E-02	2.69E-04	1.76E-08	2.03E-06	6.88E-06	2.77E-04	3.42E-04	1.63E-02	1.52E-04	2.52E-04	1.71E-02
2856	490219.73	3859405.34	0.073	0.532	0.0243	0.07765	2.95E-04	1.59E-02	1.55E-04	2.45E-04	1.66E-02	2.68E-04	1.71E-08	2.07E-06	6.69E-06	2.77E-04	3.41E-04	1.59E-02	1.55E-04	2.45E-04	1.66E-02
2857	490269.73	3859405.34	0.07307	0.51606	0.0248	0.07546	2.95E-04	1.54E-02	1.58E-04	2.38E-04	1.61E-02	2.69E-04	1.66E-08	2.10E-06	6.50E-06	2.77E-04	3.42E-04	1.54E-02	1.58E-04	2.38E-04	1.61E-02
2858	490319.73	3859405.34	0.0732	0.5003	0.025	0.07341	2.96E-04	1.49E-02	1.59E-04	2.32E-04	1.56E-02	2.69E-04	1.61E-08	2.13E-06	6.32E-06	2.78E-04	3.42E-04	1.49E-02	1.59E-04	2.32E-04	1.57E-02
2859	490161.89	3859541.83	0.06844	0.55098	0.0202	0.08174	2.77E-04	1.64E-02	1.29E-04	2.58E-04	1.71E-02	2.52E-04	1.78E-08	1.71E-06	7.04E-06	2.60E-04	3.20E-04	1.64E-02	1.29E-04	2.58E-04	1.71E-02
2860	490171.89	3859541.83	0.06839	0.54822	0.0202	0.08121	2.76E-04	1.64E-02	1.29E-04	2.56E-04	1.70E-02	2.51E-04	1.77E-08	1.72E-06	6.99E-06	2.60E-04	3.20E-04	1.64E-02	1.29E-04	2.56E-04	1.71E-02
2861	490161.89	3859551.83	0.06816	0.55075	0.02	0.08171	2.76E-04	1.64E-02	1.27E-04	2.58E-04	1.71E-02	2.51E-04	1.78E-08	1.70E-06	7.04E-06	2.59E-04	3.19E-04	1.64E-02	1.27E-04	2.58E-04	1.71E-02
2862	490171.89	3859551.83	0.0681	0.5481	0.02	0.08118	2.75E-04	1.64E-02	1.28E-04	2.56E-04	1.70E-02	2.50E-04	1.77E-08	1.70E-06	6.99E-06	2.59E-04	3.18E-04	1.64E-02	1.28E-04	2.56E-04	1.71E-02
2863	489799.72	3859348.21	0.07778	0.6714	0.023	0.09811	3.14E-04	2.00E-02	1.47E-04	3.10E-04	2.08E-02	2.86E-04	2.16E-08	1.95E-06	8.45E-06	2.96E-04	3.64E-04	2.00E-02	1.47E-04	3.10E-04	2.09E-02

2864	489819.72	3859348.21	0.07755	0.66338	0.0231	0.09684	3.13E-04	1.98E-02	1.47E-04	3.06E-04	2.06E-02	2.85E-04	2.14E-08	1.97E-06	8.34E-06	2.95E-04	3.63E-04	1.98E-02	1.47E-04	3.06E-04	2.06E-02
2865	489799.72	3859368.21	0.07715	0.67149	0.0224	0.09903	3.12E-04	2.00E-02	1.43E-04	3.13E-04	2.08E-02	2.84E-04	2.16E-08	1.91E-06	8.53E-06	2.94E-04	3.61E-04	2.00E-02	1.43E-04	3.13E-04	2.08E-02
2866	489819.72	3859368.21	0.07695	0.6628	0.0226	0.09771	3.11E-04	1.98E-02	1.44E-04	3.09E-04	2.05E-02	2.83E-04	2.14E-08	1.92E-06	8.41E-06	2.93E-04	3.60E-04	1.98E-02	1.44E-04	3.09E-04	2.06E-02
2867	489775.41	3859329.72	0.07859	0.68274	0.0233	0.09889	3.18E-04	2.04E-02	1.49E-04	3.12E-04	2.11E-02	2.89E-04	2.20E-08	1.98E-06	8.52E-06	2.99E-04	3.68E-04	2.04E-02	1.49E-04	3.12E-04	2.12E-02
2868	489795.41	3859329.72	0.07837	0.67415	0.0235	0.0976	3.17E-04	2.01E-02	1.50E-04	3.08E-04	2.09E-02	2.88E-04	2.17E-08	2.00E-06	8.40E-06	2.99E-04	3.67E-04	2.01E-02	1.50E-04	3.08E-04	2.09E-02
2869	489775.41	3859349.72	0.07799	0.6822	0.0228	0.0998	3.15E-04	2.04E-02	1.45E-04	3.15E-04	2.11E-02	2.87E-04	2.20E-08	1.93E-06	8.59E-06	2.97E-04	3.65E-04	2.04E-02	1.45E-04	3.15E-04	2.12E-02
2870	489795.41	3859349.72	0.07779	0.67317	0.0229	0.09846	3.14E-04	2.01E-02	1.46E-04	3.11E-04	2.09E-02	2.86E-04	2.17E-08	1.95E-06	8.48E-06	2.96E-04	3.64E-04	2.01E-02	1.46E-04	3.11E-04	2.09E-02
2871	489595.05	3859219.43	0.08434	0.76663	0.0253	0.10444	3.41E-04	2.29E-02	1.61E-04	3.30E-04	2.37E-02	3.10E-04	2.47E-08	2.15E-06	8.99E-06	3.21E-04	3.94E-04	2.29E-02	1.61E-04	3.30E-04	2.38E-02
2872	489615.05	3859219.43	0.08413	0.75417	0.0255	0.10314	3.40E-04	2.25E-02	1.63E-04	3.26E-04	2.33E-02	3.09E-04	2.43E-08	2.17E-06	8.88E-06	3.20E-04	3.93E-04	2.25E-02	1.63E-04	3.26E-04	2.34E-02
2873	489595.05	3859239.43	0.08363	0.77002	0.0245	0.10598	3.38E-04	2.30E-02	1.57E-04	3.35E-04	2.38E-02	3.07E-04	2.48E-08	2.09E-06	9.13E-06	3.19E-04	3.91E-04	2.30E-02	1.57E-04	3.35E-04	2.39E-02
2874	489615.05	3859239.43	0.08343	0.75725	0.0248	0.10461	3.37E-04	2.26E-02	1.58E-04	3.30E-04	2.34E-02	3.07E-04	2.44E-08	2.11E-06	9.01E-06	3.18E-04	3.90E-04	2.26E-02	1.58E-04	3.30E-04	2.35E-02
2875	489372.4	3859092.58	0.0919	0.87578	0.0276	0.10282	3.71E-04	2.61E-02	1.76E-04	3.25E-04	2.70E-02	3.38E-04	2.82E-08	2.35E-06	8.85E-06	3.49E-04	4.30E-04	2.61E-02	1.76E-04	3.25E-04	2.71E-02
2876	489422.4	3859092.58	0.09123	0.83836	0.0284	0.10056	3.69E-04	2.50E-02	1.81E-04	3.18E-04	2.59E-02	3.35E-04	2.70E-08	2.42E-06	8.66E-06	3.47E-04	4.27E-04	2.50E-02	1.81E-04	3.18E-04	2.59E-02
2877	489372.4	3859142.58	0.08995	0.90003	0.0253	0.10955	3.64E-04	2.69E-02	1.62E-04	3.46E-04	2.77E-02	3.31E-04	2.90E-08	2.15E-06	9.43E-06	3.42E-04	4.21E-04	2.69E-02	1.62E-04	3.46E-04	2.78E-02
2878	489422.4	3859142.58	0.08929	0.86139	0.0261	0.10685	3.61E-04	2.57E-02	1.66E-04	3.37E-04	2.66E-02	3.28E-04	2.78E-08	2.22E-06	9.20E-06	3.40E-04	4.18E-04	2.57E-02	1.66E-04	3.37E-04	2.66E-02
2879	488870.84	3858666.64	0.12172	0.64582	0.0533	0.07495	4.92E-04	1.93E-02	3.40E-04	2.37E-04	2.03E-02	4.48E-04	2.08E-08	4.53E-06	6.45E-06	4.59E-04	5.69E-04	1.93E-02	3.40E-04	2.37E-04	2.04E-02
2880	488900.84	3858666.64	0.12122	0.63852	0.0553	0.07415	4.90E-04	1.90E-02	3.53E-04	2.34E-04	2.01E-02	4.46E-04	2.06E-08	4.70E-06	6.39E-06	4.57E-04	5.67E-04	1.90E-02	3.53E-04	2.34E-04	2.02E-02
2881	488870.84	3858696.64	0.11965	0.68492	0.0478	0.0767	4.84E-04	2.04E-02	3.05E-04	2.42E-04	2.15E-02	4.40E-04	2.21E-08	4.07E-06	6.60E-06	4.51E-04	5.60E-04	2.04E-02	3.05E-04	2.42E-04	2.15E-02
2882	488900.84	3858696.64	0.11917	0.67603	0.0496	0.07592	4.82E-04	2.02E-02	3.16E-04	2.40E-04	2.12E-02	4.38E-04	2.18E-08	4.22E-06	6.54E-06	4.49E-04	5.57E-04	2.02E-02	3.16E-04	2.40E-04	2.13E-02
2883	488889.67	3858683.97	0.12023	0.6622	0.0512	0.07543	4.86E-04	1.98E-02	3.27E-04	2.38E-04	2.08E-02	4.42E-04	2.13E-08	4.35E-06	6.50E-06	4.53E-04	5.62E-04	1.98E-02	3.27E-04	2.38E-04	2.09E-02
2884	488919.67	3858683.97	0.1197	0.6548	0.053	0.07469	4.84E-04	1.95E-02	3.38E-04	2.36E-04	2.06E-02	4.40E-04	2.11E-08	4.51E-06	6.43E-06	4.51E-04	5.60E-04	1.95E-02	3.38E-04	2.36E-04	2.07E-02
2885	488889.67	3858713.97	0.11822	0.70362	0.0461	0.07732	4.78E-04	2.10E-02	2.94E-04	2.44E-04	2.20E-02	4.35E-04	2.27E-08	3.92E-06	6.66E-06	4.45E-04	5.53E-04	2.10E-02	2.94E-04	2.44E-04	2.21E-02
2886	488919.67	3858713.97	0.11773	0.69394	0.0478	0.07657	4.76E-04	2.07E-02	3.05E-04	2.42E-04	2.17E-02	4.33E-04	2.24E-08	4.06E-06	6.59E-06	4.44E-04	5.51E-04	2.07E-02	3.05E-04	2.42E-04	2.18E-02
2887	488906.61	3858703.33	0.11863	0.68351	0.0488	0.0762	4.80E-04	2.04E-02	3.11E-04	2.41E-04	2.14E-02	4.36E-04	2.20E-08	4.15E-06	6.56E-06	4.47E-04	5.55E-04	2.04E-02	3.11E-04	2.41E-04	2.15E-02
2888	488936.61	3858703.33	0.11818	0.67402	0.0505	0.07546	4.78E-04	2.01E-02	3.22E-04	2.38E-04	2.11E-02	4.34E-04	2.17E-08	4.30E-06	6.50E-06	4.45E-04	5.53E-04	2.01E-02	3.22E-04	2.38E-04	2.12E-02
2889	488906.61	3858733.33	0.1168	0.72509	0.0442	0.07818	4.72E-04	2.16E-02	2.82E-04	2.47E-04	2.26E-02	4.29E-04	2.34E-08	3.76E-06	6.73E-06	4.40E-04	5.46E-04	2.16E-02	2.82E-04	2.47E-04	2.27E-02
2890	488936.61	3858733.33	0.11628	0.715	0.0457	0.07745	4.70E-04	2.13E-02	2.91E-04	2.45E-04	2.23E-02	4.28E-04	2.30E-08	3.89E-06	6.67E-06	4.38E-04	5.44E-04	2.13E-02	2.91E-04	2.45E-04	2.24E-02
2891	488637.63	3858467.85	0.14181	0.53731	0.0933	0.07591	5.73E-04	1.60E-02	5.95E-04	2.40E-04	1.74E-02	5.21E-04	1.73E-08	7.94E-06	6.54E-06	5.36E-04	6.63E-04	1.60E-02	5.95E-04	2.40E-04	1.75E-02
2892	488662.63	3858467.85	0.14122	0.53236	0.0976	0.07477	5.71E-04	1.59E-02	6.23E-04	2.36E-04	1.73E-02	5.19E-04	1.72E-08	8.30E-06	6.44E-06	5.34E-04	6.60E-04	1.59E-02	6.23E-04	2.36E-04	1.74E-02
2893	488637.63	3858492.85	0.13949	0.55074	0.0812	0.07712	5.64E-04	1.64E-02	5.18E-04	2.43E-04	1.78E-02	5.13E-04	1.78E-08	6.91E-06	6.64E-06	5.26E-04	6.52E-04	1.64E-02	5.18E-04	2.43E-04	1.78E-02
2894	488662.63	3858492.85	0.13895	0.54549	0.0849	0.07594	5.62E-04	1.63E-02	5.42E-04	2.40E-04	1.76E-02	5.11E-04	1.76E-08	7.22E-06	6.54E-06	5.25E-04	6.50E-04	1.63E-02	5.42E-04	2.40E-04	1.77E-02
2895	488687.63	3858492.85	0.1385	0.53992	0.0888	0.07481	5.60E-04	1.61E-02	5.66E-04	2.36E-04	1.75E-02	5.09E-04	1.74E-08	7.55E-06	6.44E-06	5.23E-04	6.48E-04	1.61E-02	5.66E-04	2.36E-04	1.76E-02
2896	488637.63	3858517.85	0.13715	0.56593	0.0713	0.0782	5.54E-04	1.69E-02	4.55E-04	2.47E-04	1.81E-02	5.04E-04	1.82E-08	6.06E-06	6.73E-06	5.17E-04	6.41E-04	1.69E-02	4.55E-04	2.47E-04	1.82E-02
2897	488662.63	3858517.85	0.13669	0.56033	0.0745	0.077	5.53E-04	1.67E-02	4.75E-04	2.43E-04	1.80E-02	5.03E-04	1.81E-08	6.34E-06	6.63E-06	5.16E-04	6.39E-04	1.67E-02	4.75E-04	2.43E-04	1.81E-02
2898	488687.63	3858517.85	0.1362	0.55512	0.0778	0.07586	5.51E-04	1.66E-02	4.96E-04	2.40E-04	1.78E-02	5.01E-04	1.79E-08	6.61E-06	6.53E-06	5.14E-04	6.37E-04	1.66E-02	4.96E-04	2.40E-04	1.79E-02
2899	488194.42	3857168.98	0.87625	0.24424	0.0366	0.02728	3.54E-03	7.29E-03	2.33E-04	8.61E-05	1.11E-02	3.22E-03	7.87E-09	3.11E-06	2.35E-06	3.23E-03	4.10E-03	7.29E-03	2.33E-04	8.61E-05	1.17E-02
2900	488244.42	3857168.98	0.84476	0.24415	0.0372	0.02721	3.41E-03	7.28E-03	2.37E-04	8.59E-05	1.10E-02	3.11E-03	7.87E-09	3.16E-06	2.34E-06	3.11E-03	3.95E-03	7.28E-03	2.37E-04	8.59E-05	1.16E-02
2901	488294.42	3857168.98	0.81655	0.24295	0.0378	0.02719	3.30E-03	7.25E-03	2.41E-04	8.58E-05	1.09E-02	3.00E-03	7.83E-09	3.21E-06	2.34E-06	3.01E-03	3.82E-03	7.25E-03	2.41E-04	8.58E-05	1.14E-02
2902	488244.42	3857218.98	0.7929	0.24746	0.0405	0.02737	3.21E-03	7.38E-03	2.58E-04	8.64E-05	1.09E-02	2.92E-03	7.98E-09	3.44E-06	2.36E-06	2.92E-03	3.71E-03	7.38E-03	2.58E-04	8.64E-05	1.14E-02
2903	488294.42	3857218.98	0.76773	0.24674	0.0411	0.02739	3.10E-03	7.36E-03	2.62E-04	8.65E-05	1.08E-02	2.82E-03	7.95E-09	3.50E-06	2.36E-06	2.83E-03	3.59E-03	7.36E-03	2.62E-04	8.65E-05	1.13E-02
2904	488294.42	3857268.98	0.71764	0.25122	0.0451	0.02773	2.90E-03	7.49E-03	2.88E-04	8.76E-05	1.08E-02	2.64E-03	8.10E-09	3.84E-06	2.39E-06	2.64E-03	3.36E-03	7.49E-03	2.88E-04	8.76E-05	1.12E-02
2905	488139.13	3857111.68	0.97947	0.24159	0.033	0.0275	3.96E-03	7.21E-03	2.11E-04	8.68E-05	1.15E-02	3.60E-03	7.79E-09	2.81E-06	2.37E-06	3.61E-03	4.58E-03	7.21E-03	2.11E-04	8.68E-05	1.21E-02
2906	488189.13	3857111.68	0.94016	0.24188	0.0333	0.02734	3.80E-03	7.22E-03	2.13E-04	8.63E-05	1.13E-02	3.46E-03	7.80E-09	2.83E-06	2.35E-06	3.46E-03	4.40E-03	7.22E-03	2.13E-04	8.63E-05	1.19E-02
2907	488189.13	3857161.68	0.88756	0.24396	0.0361	0.02729	3.59E-03	7.28E-03	2.30E-04	8.62E-05	1.12E-02	3.26E-03	7.86E-09	3.07E-06	2.35E-06	3.27E-03	4.15E-03	7.28E-03	2.30E-04	8.62E-05	1.17E-02
2908	487951.04	3856961.26	1.33288	0.23776	0.03	0.02902	5.39E-03	7.09E-03	1.91E-04	9.16E-05	1.28E-02	4.90E-03	7.66E-09	2.55E-06	2.50E-06	4.91E-03	6.23E-03	7.09E-03	1.91E-04	9.16E-05	1.36E-02
2909	488001.04	3856961.26	1.27135	0.23608	0.0287	0.02882	5.14E-03	7.04E-03	1.83E-04	9.10E-05	1.25E-02	4.67E-03	7.61E-09	2.44E-06	2.48E-06	4.68E-03	5.95E-03	7.04E-03	1.83E-04	9.10E-05	1.33E-02
2910	488051.04	3856961.26	1.21693	0.23299	0.0275	0.02864	4.92E-03	6.95E-03	1.75E-04	9.04E-05	1.21E-02	4.47E-03	7.51E-09	2.34E-06	2.47E-06	4.48E-03	5.69E-03	6.95E-03	1.75E-04	9.04E-05	1.29E-02
2911	488101.04	3856961.26	1.16129	0.23356	0.0268	0.02844	4.69E-03	6.97E-03	1.71E-04	8.98E-05	1.19E-02	4.27E-03	7.53E-09	2.28E-06	2.45E-06	4.27E-03	5.43E-03	6.97E-03	1.71E-04	8.98E-05	1.27E-02
2912	487951.04	3857011.26	1.27951	0.24279	0.032	0.0286	5.17E-03	7.24E-03	2.04E-04	9.03E-05	1.27E-02	4.70E-03	7.83E-09	2.72E-06	2.46E-06	4.71E-03	5.98E-03	7.24E-03	2.04E-04	9.03E-05	1.35E-02
2913	488001.04	3857011.26	1.22354	0.23929	0.0307	0.02845	4.95E-03	7.14E-03	1.96E-04	8.98E-05	1.24E-02	4.50E-03	7.71E-09	2.61E-06	2.45E-06	4.50E-03	5.72E-03	7.14E-03	1.96E-04	8.98E-05	1.31E-02
2914	488051.04	3857011.26	1.17141	0.23632	0.0294	0.02829	4.74E-03	7.05E-03	1.88E-04	8.93E-05	1.21E-02	4.31E-03	7.62E-09	2.50E-06	2.44E-06	4.31E-03	5.48E-03	7.05E-03	1.88E-04	8.93E-05	1.28E-02
2915	488101.04	3857011.26	1.11835	0.23683	0.0287	0.0281	4.52E-03	7.07E-03	1.83E-04	8.87E-05	1.19E-02	4.11E-03	7.63E-09	2.44E-06	2.42E-06	4.12E-03	5.23E-03	7.07E-03	1.83E-04	8.87E-05	1.26E-02
2916	488001.04	3857061.26	1.16328	0.24323	0.0329	0.02815	4.70E-03	7.26E-03	2.10E-04	8.89E-05	1.23E-02	4.28E-03	7.84E-09	2.80E-06	2.42E-06	4.28E-03	5.44E-03	7.26E-03	2.10E-04	8.89E-05	1.30E-02
2917	488051.04	3857061.26	1.11343	0.24145	0.0316	0.02799	4.50E-03	7.20E-03	2.02E-04	8.84E-05	1.20E-02	4.09E-03	7.78E-09	2.69E-06	2.41E-06	4.10E-03	5.21E-03	7.20E-03	2.02E-04	8.84E-05	1.27E-02
2918	488101.04	3857061.26	1.06632	0.24043	0.0308	0.02782	4.31E-03	7.17E-03	1.96E-04	8.78E-05	1.18E-02	3.92E-03	7.75E-09	2.62E-06	2.40E-06	3.93E-03	4.99E-03	7.17E-03	1.96E-04	8.78E-05	1.24E-02
2919	487638.98	3856673.79	1.75795	0.21944	0.0227	0.03545	7.11E-03	6.55E-03	1.45E-04	1.12E-04	1.39E-02	6.46E-03	7.07E-09	1.93E-06	3.05E-06	6.47E-03	8.22E-03	6.55E-03	1.45E-04	1.12E-04	1.50E-02
2920	487688.98	3856673.79	1.68744	0.21795	0.0237	0.03491	6.82E-03	6.50E-03	1.51E-04	1.10E-04	1.36E-02	6.20E-03	7.02E-09	2.01E-06	3.01E-06	6.21E-03	7.89E-03	6.50E-03	1.51E-04	1.10E-04	1.47E-02
2921	487638.98	3856723.79	1.8126	0.22567	0.0232	0.03443	7.33E-03	6.73E-03	1.48E-04	1.09E-04	1.43E-02	6.66E-03	7.27E-09	1.97E-06	2.96E-06	6.67E-03	8.48E-03	6.73E-03	1.48E-04	1.09E-04	1.55E-02
2922	487688.98	3856723.79	1.73402	0.22381	0.0243	0.03395	7.01E-03	6.68E-03	1.55E-04	1.07E-04	1.39E-02	6.38E-03	7.21E-09	2.06E-06	2.92E-06	6.38E-03	8.11E-03	6.68E-03	1.55E-04	1.07E-04	1.50E-02
2923	486324.61	3855740.57	1.74589	0.13108	0.0088	0.06682	7.06E-03	3.91E-03	5.59E-05	2.11E-04	1.12E-02	6.42E-03	4.22E-09	7.46E-07	5.75E-06	6.43E-03	8.16E-03	3.91E-03	5.59E-05	2.11E-04	1.23E-02
2924	486374.61	3855740.57	1.61415	0.12655	0.0089	0.06592	6.52E-03	3.78E-03	5.67E-05	2.08E-04	1.06E-02	5.93E-03	4.08E-09	7.56E-07	5.68E-06	5.94E-03	7.55E-03	3.78E-03	5.67E-05	2.08E-04	1.16E-02

2925	486424.61	3855740.57	1.53718	0.12458	0.0089	0.06489	6.21E-03	3.72E-03	5.70E-05	2.05E-04	1.02E-02	5.65E-03	4.02E-09	7.60E-07	5.59E-06	5.66E-03	7.19E-03	3.72E-03	5.70E-05	2.05E-04	1.12E-02
2926	486324.61	3855790.57	1.86592	0.13723	0.0089	0.06978	7.54E-03	4.09E-03	5.70E-05	2.20E-04	1.19E-02	6.86E-03	4.42E-09	7.59E-07	6.01E-06	6.87E-03	8.73E-03	4.09E-03	5.70E-05	2.20E-04	1.31E-02
2927	486374.61	3855790.57	1.73052	0.13295	0.0091	0.06868	7.00E-03	3.97E-03	5.77E-05	2.17E-04	1.12E-02	6.36E-03	4.29E-09	7.70E-07	5.91E-06	6.37E-03	8.09E-03	3.97E-03	5.77E-05	2.17E-04	1.23E-02
2928	486424.61	3855790.57	1.66356	0.13185	0.009	0.06742	6.72E-03	3.93E-03	5.77E-05	2.13E-04	1.09E-02	6.12E-03	4.25E-09	7.69E-07	5.81E-06	6.12E-03	7.78E-03	3.93E-03	5.77E-05	2.13E-04	1.20E-02
2929	486324.61	3855840.57	1.99142	0.14341	0.0091	0.07256	8.05E-03	4.28E-03	5.80E-05	2.29E-04	1.26E-02	7.32E-03	4.62E-09	7.73E-07	6.25E-06	7.33E-03	9.31E-03	4.28E-03	5.80E-05	2.29E-04	1.39E-02
2930	486374.61	3855840.57	1.8984	0.14182	0.0091	0.07111	7.67E-03	4.23E-03	5.82E-05	2.25E-04	1.22E-02	6.98E-03	4.57E-09	7.76E-07	6.12E-06	6.99E-03	8.88E-03	4.23E-03	5.82E-05	2.25E-04	1.34E-02
2931	486424.61	3855840.57	1.79936	0.13944	0.0092	0.06972	7.27E-03	4.16E-03	5.84E-05	2.20E-04	1.17E-02	6.62E-03	4.49E-09	7.79E-07	6.00E-06	6.62E-03	8.41E-03	4.16E-03	5.84E-05	2.20E-04	1.29E-02
2932	486324.61	3855890.57	2.18798	0.15275	0.0091	0.07485	8.84E-03	4.56E-03	5.79E-05	2.36E-04	1.37E-02	8.04E-03	4.92E-09	7.71E-07	6.45E-06	8.05E-03	1.02E-02	4.56E-03	5.79E-05	2.36E-04	1.51E-02
2933	486374.61	3855890.57	2.07022	0.15052	0.0092	0.07321	8.37E-03	4.49E-03	5.86E-05	2.31E-04	1.31E-02	7.61E-03	4.85E-09	7.82E-07	6.30E-06	7.62E-03	9.68E-03	4.49E-03	5.86E-05	2.31E-04	1.45E-02
2934	486424.61	3855890.57	1.95067	0.14757	0.0093	0.07165	7.89E-03	4.40E-03	5.92E-05	2.26E-04	1.26E-02	7.17E-03	4.76E-09	7.89E-07	6.17E-06	7.18E-03	9.12E-03	4.40E-03	5.92E-05	2.26E-04	1.38E-02
2935	488735.69	3858285.64	0.16272	0.44238	0.3159	0.06204	6.58E-04	1.32E-02	2.01E-03	1.96E-04	1.61E-02	5.98E-04	1.43E-08	2.69E-05	5.34E-06	6.30E-04	7.61E-04	1.32E-02	2.01E-03	1.96E-04	1.62E-02
2936	488765.69	3858285.64	0.16285	0.43778	0.3133	0.06121	6.58E-04	1.31E-02	2.00E-03	1.93E-04	1.59E-02	5.99E-04	1.41E-08	2.66E-05	5.27E-06	6.31E-04	7.62E-04	1.31E-02	2.00E-03	1.93E-04	1.60E-02
2937	488735.69	3858315.64	0.1581	0.45292	0.2678	0.06365	6.39E-04	1.35E-02	1.71E-03	2.01E-04	1.61E-02	5.81E-04	1.46E-08	2.28E-05	5.48E-06	6.10E-04	7.39E-04	1.35E-02	1.71E-03	2.01E-04	1.62E-02
2938	488765.69	3858315.64	0.15814	0.44792	0.2681	0.06277	6.39E-04	1.34E-02	1.71E-03	1.98E-04	1.59E-02	5.81E-04	1.44E-08	2.28E-05	5.41E-06	6.10E-04	7.40E-04	1.34E-02	1.71E-03	1.98E-04	1.60E-02
2939	478676.63	3849871.93	0.01042	0.00843	0.0021	0.00287	4.21E-05	2.51E-04	1.31E-05	9.06E-06	3.16E-04	3.83E-05	2.72E-10	1.75E-07	2.47E-07	3.87E-05	4.87E-05	2.51E-04	1.31E-05	9.06E-06	3.22E-04
2940	479326.63	3849871.93	0.0151	0.0068	0.002	0.00301	6.10E-05	2.03E-04	1.29E-05	9.50E-06	2.86E-04	5.55E-05	2.19E-10	1.73E-07	2.59E-07	5.59E-05	7.06E-05	2.03E-04	1.29E-05	9.50E-06	2.96E-04
2941	479376.63	3849871.93	0.01548	0.00667	0.002	0.00302	6.26E-05	1.99E-04	1.29E-05	9.54E-06	2.84E-04	5.69E-05	2.15E-10	1.73E-07	2.60E-07	5.73E-05	7.24E-05	1.99E-04	1.29E-05	9.54E-06	2.94E-04
2942	479426.63	3849871.93	0.01586	0.00659	0.002	0.00303	6.41E-05	1.97E-04	1.29E-05	9.57E-06	2.83E-04	5.83E-05	2.12E-10	1.73E-07	2.61E-07	5.87E-05	7.42E-05	1.97E-04	1.29E-05	9.57E-06	2.93E-04
2943	478726.63	3849921.93	0.01056	0.00858	0.0021	0.00289	4.27E-05	2.56E-04	1.32E-05	9.12E-06	3.21E-04	3.88E-05	2.77E-10	1.76E-07	2.49E-07	3.92E-05	4.94E-05	2.56E-04	1.32E-05	9.12E-06	3.28E-04
2944	478776.63	3849921.93	0.01079	0.00852	0.0021	0.0029	4.36E-05	2.54E-04	1.32E-05	9.16E-06	3.20E-04	3.97E-05	2.75E-10	1.76E-07	2.50E-07	4.01E-05	5.05E-05	2.54E-04	1.32E-05	9.16E-06	3.27E-04
2945	478826.63	3849921.93	0.01105	0.00843	0.0021	0.00291	4.47E-05	2.51E-04	1.32E-05	9.19E-06	3.19E-04	4.06E-05	2.72E-10	1.76E-07	2.51E-07	4.11E-05	5.17E-05	2.51E-04	1.32E-05	9.19E-06	3.26E-04
2946	478976.63	3849921.93	0.01201	0.00814	0.0021	0.00295	4.85E-05	2.43E-04	1.31E-05	9.31E-06	3.14E-04	4.42E-05	2.62E-10	1.75E-07	2.54E-07	4.46E-05	5.62E-05	2.43E-04	1.31E-05	9.31E-06	3.21E-04
2947	479026.63	3849921.93	0.01244	0.00813	0.0021	0.00295	5.03E-05	2.43E-04	1.31E-05	9.31E-06	3.15E-04	4.57E-05	2.62E-10	1.75E-07	2.54E-07	4.62E-05	5.82E-05	2.43E-04	1.31E-05	9.31E-06	3.23E-04
2948	479076.63	3849921.93	0.01285	0.00804	0.0021	0.00296	5.19E-05	2.40E-04	1.31E-05	9.35E-06	3.14E-04	4.72E-05	2.59E-10	1.74E-07	2.55E-07	4.77E-05	6.01E-05	2.40E-04	1.31E-05	9.35E-06	3.22E-04
2949	479126.63	3849921.93	0.01328	0.00791	0.0021	0.00297	5.37E-05	2.36E-04	1.31E-05	9.38E-06	3.12E-04	4.88E-05	2.55E-10	1.74E-07	2.56E-07	4.93E-05	6.21E-05	2.36E-04	1.31E-05	9.38E-06	3.21E-04
2950	479176.63	3849921.93	0.01374	0.00783	0.0021	0.00297	5.55E-05	2.34E-04	1.31E-05	9.38E-06	3.12E-04	5.05E-05	2.52E-10	1.74E-07	2.56E-07	5.09E-05	6.43E-05	2.34E-04	1.31E-05	9.38E-06	3.20E-04
2951	479226.63	3849921.93	0.01414	0.00753	0.002	0.00299	5.72E-05	2.25E-04	1.30E-05	9.44E-06	3.04E-04	5.20E-05	2.43E-10	1.73E-07	2.57E-07	5.24E-05	6.61E-05	2.25E-04	1.30E-05	9.44E-06	3.13E-04
2952	479276.63	3849921.93	0.01443	0.00713	0.002	0.00301	5.83E-05	2.13E-04	1.30E-05	9.50E-06	2.94E-04	5.31E-05	2.30E-10	1.73E-07	2.59E-07	5.35E-05	6.75E-05	2.13E-04	1.30E-05	9.50E-06	3.03E-04
2953	479326.63	3849921.93	0.01505	0.00733	0.002	0.003	6.08E-05	2.19E-04	1.30E-05	9.47E-06	3.02E-04	5.53E-05	2.36E-10	1.73E-07	2.58E-07	5.58E-05	7.04E-05	2.19E-04	1.30E-05	9.47E-06	3.12E-04
2954	479376.63	3849921.93	0.01533	0.00692	0.002	0.00303	6.20E-05	2.06E-04	1.30E-05	9.57E-06	2.91E-04	5.64E-05	2.23E-10	1.73E-07	2.61E-07	5.68E-05	7.17E-05	2.06E-04	1.30E-05	9.57E-06	3.01E-04
2955	479426.63	3849921.93	0.01583	0.007	0.002	0.00303	6.40E-05	2.09E-04	1.30E-05	9.57E-06	2.95E-04	5.82E-05	2.26E-10	1.73E-07	2.61E-07	5.86E-05	7.40E-05	2.09E-04	1.30E-05	9.57E-06	3.05E-04
2956	478726.63	3849971.93	0.01049	0.00878	0.0021	0.00289	4.24E-05	2.62E-04	1.33E-05	9.12E-06	3.27E-04	3.86E-05	2.83E-10	1.78E-07	2.49E-07	3.90E-05	4.91E-05	2.62E-04	1.33E-05	9.12E-06	3.33E-04
2957	478776.63	3849971.93	0.01069	0.00871	0.0021	0.0029	4.32E-05	2.60E-04	1.33E-05	9.16E-06	3.26E-04	3.93E-05	2.81E-10	1.78E-07	2.50E-07	3.97E-05	5.00E-05	2.60E-04	1.33E-05	9.16E-06	3.32E-04
2958	478826.63	3849971.93	0.01093	0.00863	0.0021	0.00291	4.42E-05	2.57E-04	1.33E-05	9.19E-06	3.24E-04	4.02E-05	2.78E-10	1.77E-07	2.51E-07	4.06E-05	5.11E-05	2.57E-04	1.33E-05	9.19E-06	3.31E-04
2959	478976.63	3849971.93	0.01187	0.00849	0.0021	0.00294	4.80E-05	2.53E-04	1.32E-05	9.28E-06	3.24E-04	4.36E-05	2.74E-10	1.76E-07	2.53E-07	4.41E-05	5.55E-05	2.53E-04	1.32E-05	9.28E-06	3.31E-04
2960	479026.63	3849971.93	0.01222	0.00838	0.0021	0.00295	4.94E-05	2.50E-04	1.32E-05	9.31E-06	3.22E-04	4.49E-05	2.70E-10	1.76E-07	2.54E-07	4.54E-05	5.71E-05	2.50E-04	1.32E-05	9.31E-06	3.30E-04
2961	479076.63	3849971.93	0.0126	0.00826	0.0021	0.00297	5.09E-05	2.46E-04	1.32E-05	9.38E-06	3.20E-04	4.63E-05	2.66E-10	1.76E-07	2.56E-07	4.68E-05	5.89E-05	2.46E-04	1.32E-05	9.38E-06	3.28E-04
2962	479126.63	3849971.93	0.01302	0.00816	0.0021	0.00297	5.26E-05	2.43E-04	1.31E-05	9.38E-06	3.19E-04	4.79E-05	2.63E-10	1.75E-07	2.56E-07	4.83E-05	6.09E-05	2.43E-04	1.31E-05	9.38E-06	3.27E-04
2963	479176.63	3849971.93	0.01347	0.00805	0.0021	0.00298	5.44E-05	2.40E-04	1.31E-05	9.41E-06	3.17E-04	4.95E-05	2.59E-10	1.75E-07	2.57E-07	5.00E-05	6.30E-05	2.40E-04	1.31E-05	9.41E-06	3.26E-04
2964	479226.63	3849971.93	0.01372	0.00751	0.0021	0.00301	5.55E-05	2.24E-04	1.31E-05	9.50E-06	3.02E-04	5.04E-05	2.42E-10	1.75E-07	2.59E-07	5.09E-05	6.42E-05	2.24E-04	1.31E-05	9.50E-06	3.11E-04
2965	479276.63	3849971.93	0.01432	0.00767	0.0021	0.00301	5.79E-05	2.29E-04	1.31E-05	9.50E-06	3.09E-04	5.26E-05	2.47E-10	1.74E-07	2.59E-07	5.31E-05	6.70E-05	2.29E-04	1.31E-05	9.50E-06	3.18E-04
2966	479326.63	3849971.93	0.01487	0.00774	0.0021	0.003	6.01E-05	2.31E-04	1.31E-05	9.47E-06	3.14E-04	5.47E-05	2.49E-10	1.74E-07	2.58E-07	5.51E-05	6.95E-05	2.31E-04	1.31E-05	9.47E-06	3.23E-04
2967	479376.63	3849971.93	0.0152	0.00732	0.0021	0.00303	6.14E-05	2.18E-04	1.31E-05	9.57E-06	3.02E-04	5.59E-05	2.36E-10	1.74E-07	2.61E-07	5.63E-05	7.11E-05	2.18E-04	1.31E-05	9.57E-06	3.12E-04
2968	479426.63	3849971.93	0.01568	0.00728	0.0021	0.00303	6.34E-05	2.17E-04	1.31E-05	9.57E-06	3.03E-04	5.76E-05	2.35E-10	1.74E-07	2.61E-07	5.81E-05	7.33E-05	2.17E-04	1.31E-05	9.57E-06	3.13E-04
2969	478726.63	3850021.93	0.01046	0.00898	0.0021	0.0029	4.23E-05	2.68E-04	1.34E-05	9.16E-06	3.33E-04	3.85E-05	2.89E-10	1.79E-07	2.50E-07	3.89E-05	4.89E-05	2.68E-04	1.34E-05	9.16E-06	3.39E-04
2970	478776.63	3850021.93	0.01063	0.00891	0.0021	0.00291	4.30E-05	2.66E-04	1.34E-05	9.19E-06	3.31E-04	3.91E-05	2.87E-10	1.79E-07	2.51E-07	3.95E-05	4.97E-05	2.66E-04	1.34E-05	9.19E-06	3.38E-04
2971	478826.63	3850021.93	0.01084	0.00884	0.0021	0.00292	4.38E-05	2.64E-04	1.34E-05	9.22E-06	3.30E-04	3.99E-05	2.85E-10	1.79E-07	2.51E-07	4.03E-05	5.07E-05	2.64E-04	1.34E-05	9.22E-06	3.37E-04
2972	478976.63	3850021.93	0.01168	0.00871	0.0021	0.00295	4.72E-05	2.60E-04	1.33E-05	9.31E-06	3.30E-04	4.29E-05	2.81E-10	1.78E-07	2.54E-07	4.34E-05	5.46E-05	2.60E-04	1.33E-05	9.31E-06	3.37E-04
2973	478726.63	3850071.93	0.01047	0.00919	0.0021	0.0029	4.23E-05	2.74E-04	1.35E-05	9.16E-06	3.39E-04	3.85E-05	2.96E-10	1.80E-07	2.50E-07	3.89E-05	4.90E-05	2.74E-04	1.35E-05	9.16E-06	3.46E-04
2974	478776.63	3850071.93	0.01061	0.00913	0.0021	0.00291	4.29E-05	2.72E-04	1.35E-05	9.19E-06	3.38E-04	3.90E-05	2.94E-10	1.79E-07	2.51E-07	3.94E-05	4.96E-05	2.72E-04	1.35E-05	9.19E-06	3.45E-04
2975	478826.63	3850071.93	0.01078	0.00906	0.0021	0.00292	4.36E-05	2.70E-04	1.35E-05	9.22E-06	3.37E-04	3.96E-05	2.92E-10	1.79E-07	2.51E-07	4.01E-05	5.04E-05	2.70E-04	1.35E-05	9.22E-06	3.43E-04
2976	478876.63	3850071.93	0.01099	0.00901	0.0021	0.00293	4.44E-05	2.69E-04	1.35E-05	9.25E-06	3.36E-04	4.04E-05	2.90E-10	1.79E-07	2.52E-07	4.08E-05	5.14E-05	2.69E-04	1.35E-05	9.25E-06	3.43E-04
2977	478976.63	3850071.93	0.01153	0.00893	0.0021	0.00295	4.66E-05	2.66E-04	1.34E-05	9.31E-06	3.36E-04	4.24E-05	2.88E-10	1.79E-07	2.54E-07	4.28E-05	5.39E-05	2.66E-04	1.34E-05	9.31E-06	3.43E-04
2978	478726.63	3850121.93	0.01051	0.00939	0.0021	0.00291	4.25E-05	2.80E-04	1.36E-05	9.19E-06	3.45E-04	3.86E-05	3.03E-10	1.81E-07	2.51E-07	3.91E-05	4.92E-05	2.80E-04	1.36E-05	9.19E-06	3.52E-04
2979	478776.63	3850121.93	0.01063	0.00934	0.0021	0.00292	4.30E-05	2.79E-04	1.36E-05	9.22E-06	3.44E-04	3.91E-05	3.01E-10	1.81E-07	2.51E-07	3.95E-05	4.97E-05	2.79E-04	1.36E-05	9.22E-06	3.51E-04
2980	478826.63	3850121.93	0.01077	0.00928	0.0021	0.00293	4.35E-05	2.77E-04	1.36E-05	9.25E-06	3.43E-04	3.96E-05	2.99E-10	1.81E-07	2.52E-07	4.00E-05	5.04E-05	2.77E-04	1.36E-05	9.25E-06	3.50E-04
2981	478876.63	3850121.93	0.01094	0.00921	0.0021	0.00294	4.42E-05	2.75E-04	1.35E-05	9.28E-06	3.42E-04	4.02E-05	2.97E-10	1.80E-07	2.53E-07	4.07E-05	5.12E-05	2.75E-04	1.35E-05	9.28E-06	3.49E-04
2982	478976.63	3850121.93	0.01141	0.00915	0.0021	0.00296	4.61E-05	2.73E-04	1.35E-05	9.35E-06	3.42E-04	4.19E-05	2.95E-10	1.80E-07	2.55E-07	4.24E-05	5.34E-05	2.73E-04	1.35E-05	9.35E-06	3.49E-04
2983	479026.63	3850121.93	0.0117	0.0091	0.0021	0.00297	4.73E-05	2.71E-04	1.35E-05	9.38E-06	3.42E-04	4.30E-05	2.93E-10	1.80E-07	2.56E-07	4.35E-05	5.47E-05	2.71E-04	1.35E-05	9.38E-06	3.49E-04
2984	479076.63	3850121.93	0.01201	0.00902	0.0021	0.00298	4.85E-05	2.69E-04	1.35E-05	9.41E-06	3.41E-04	4.42E-05	2.91E-10	1.79E-07	2.57E-07	4.46E-05	5.62E-05	2.69E-04	1.35E-05	9.41E-06	3.48E-04
2985	479126.63	3850121.93	0.01235	0.00894	0.0021	0.00299	4.99E-05	2.67E-04	1.35E-05	9.44E-06	3.40E-04	4.54E-05	2.88E-10	1.79E-07	2.57E-07	4.58E-05	5.78E-05	2.67E-04	1.35E-05	9.44E-06	3.47E-04

2986	478776.63	3850171.93	0.01068	0.00954	0.0021	0.00292	4.32E-05	2.85E-04	1.37E-05	9.22E-06	3.51E-04	3.93E-05	3.07E-10	1.82E-07	2.51E-07	3.97E-05	4.99E-05	2.85E-04	1.37E-05	9.22E-06	3.57E-04
2987	478826.63	3850171.93	0.01078	0.00948	0.0021	0.00294	4.36E-05	2.83E-04	1.37E-05	9.28E-06	3.49E-04	3.96E-05	3.06E-10	1.82E-07	2.53E-07	4.01E-05	5.04E-05	2.83E-04	1.37E-05	9.28E-06	3.56E-04
2988	478876.63	3850171.93	0.01092	0.00942	0.0021	0.00295	4.41E-05	2.81E-04	1.37E-05	9.31E-06	3.48E-04	4.01E-05	3.04E-10	1.82E-07	2.54E-07	4.06E-05	5.11E-05	2.81E-04	1.37E-05	9.31E-06	3.55E-04
2989	478976.63	3850171.93	0.01134	0.00937	0.0021	0.00296	4.58E-05	2.80E-04	1.36E-05	9.35E-06	3.48E-04	4.17E-05	3.02E-10	1.81E-07	2.55E-07	4.21E-05	5.30E-05	2.80E-04	1.36E-05	9.35E-06	3.56E-04
2990	479026.63	3850171.93	0.0116	0.00935	0.0021	0.00297	4.69E-05	2.79E-04	1.36E-05	9.38E-06	3.49E-04	4.26E-05	3.01E-10	1.81E-07	2.56E-07	4.31E-05	5.42E-05	2.79E-04	1.36E-05	9.38E-06	3.56E-04
2991	479076.63	3850171.93	0.01187	0.00927	0.0021	0.00298	4.80E-05	2.77E-04	1.36E-05	9.41E-06	3.48E-04	4.36E-05	2.99E-10	1.81E-07	2.57E-07	4.41E-05	5.55E-05	2.77E-04	1.36E-05	9.41E-06	3.55E-04
2992	479126.63	3850171.93	0.01218	0.0092	0.0021	0.00299	4.92E-05	2.74E-04	1.35E-05	9.44E-06	3.47E-04	4.48E-05	2.97E-10	1.80E-07	2.57E-07	4.52E-05	5.70E-05	2.74E-04	1.35E-05	9.44E-06	3.54E-04
2993	479176.63	3850171.93	0.01255	0.00916	0.0021	0.003	5.07E-05	2.73E-04	1.35E-05	9.47E-06	3.47E-04	4.61E-05	2.95E-10	1.80E-07	2.58E-07	4.66E-05	5.87E-05	2.73E-04	1.35E-05	9.47E-06	3.55E-04
2994	479226.63	3850171.93	0.01297	0.00919	0.0021	0.003	5.24E-05	2.74E-04	1.35E-05	9.47E-06	3.50E-04	4.77E-05	2.96E-10	1.80E-07	2.58E-07	4.81E-05	6.07E-05	2.74E-04	1.35E-05	9.47E-06	3.58E-04
2995	479276.63	3850171.93	0.01343	0.00922	0.0021	0.003	5.43E-05	2.75E-04	1.35E-05	9.47E-06	3.52E-04	4.94E-05	2.97E-10	1.79E-07	2.58E-07	4.98E-05	6.28E-05	2.75E-04	1.35E-05	9.47E-06	3.61E-04
2996	479326.63	3850171.93	0.01384	0.00907	0.0021	0.00301	5.59E-05	2.71E-04	1.35E-05	9.50E-06	3.49E-04	5.09E-05	2.92E-10	1.79E-07	2.59E-07	5.13E-05	6.47E-05	2.71E-04	1.35E-05	9.50E-06	3.58E-04
2997	479376.63	3850171.93	0.01428	0.00891	0.0021	0.00303	5.77E-05	2.66E-04	1.35E-05	9.57E-06	3.47E-04	5.25E-05	2.87E-10	1.79E-07	2.61E-07	5.29E-05	6.68E-05	2.66E-04	1.35E-05	9.57E-06	3.56E-04
2998	478676.63	3850221.93	0.01065	0.00975	0.0022	0.00292	4.30E-05	2.91E-04	1.37E-05	9.22E-06	3.57E-04	3.92E-05	3.14E-10	1.83E-07	2.51E-07	3.96E-05	4.98E-05	2.91E-04	1.37E-05	9.22E-06	3.64E-04
2999	478726.63	3850221.93	0.0107	0.00976	0.0022	0.00292	4.33E-05	2.91E-04	1.37E-05	9.22E-06	3.57E-04	3.93E-05	3.15E-10	1.83E-07	2.51E-07	3.98E-05	5.00E-05	2.91E-04	1.37E-05	9.22E-06	3.64E-04
3000	478976.63	3850221.93	0.01131	0.0096	0.0022	0.00297	4.57E-05	2.86E-04	1.37E-05	9.38E-06	3.55E-04	4.16E-05	3.09E-10	1.83E-07	2.56E-07	4.20E-05	5.29E-05	2.86E-04	1.37E-05	9.38E-06	3.62E-04
3001	479026.63	3850221.93	0.01153	0.00958	0.0022	0.00298	4.66E-05	2.86E-04	1.37E-05	9.41E-06	3.56E-04	4.24E-05	3.09E-10	1.83E-07	2.57E-07	4.28E-05	5.39E-05	2.86E-04	1.37E-05	9.41E-06	3.63E-04
3002	479076.63	3850221.93	0.01177	0.00951	0.0021	0.00299	4.76E-05	2.84E-04	1.37E-05	9.44E-06	3.54E-04	4.33E-05	3.07E-10	1.82E-07	2.57E-07	4.37E-05	5.50E-05	2.84E-04	1.37E-05	9.44E-06	3.62E-04
3003	479126.63	3850221.93	0.01206	0.00946	0.0021	0.003	4.87E-05	2.82E-04	1.37E-05	9.47E-06	3.54E-04	4.43E-05	3.05E-10	1.82E-07	2.58E-07	4.48E-05	5.64E-05	2.82E-04	1.37E-05	9.47E-06	3.62E-04
3004	479176.63	3850221.93	0.0124	0.00945	0.0021	0.003	5.01E-05	2.82E-04	1.37E-05	9.47E-06	3.55E-04	4.56E-05	3.05E-10	1.82E-07	2.58E-07	4.60E-05	5.80E-05	2.82E-04	1.37E-05	9.47E-06	3.63E-04
3005	479226.63	3850221.93	0.01278	0.00945	0.0021	0.00301	5.17E-05	2.82E-04	1.36E-05	9.50E-06	3.57E-04	4.70E-05	3.05E-10	1.81E-07	2.59E-07	4.74E-05	5.98E-05	2.82E-04	1.36E-05	9.50E-06	3.65E-04
3006	479276.63	3850221.93	0.0132	0.00944	0.0021	0.00301	5.34E-05	2.82E-04	1.36E-05	9.50E-06	3.58E-04	4.85E-05	3.04E-10	1.81E-07	2.59E-07	4.90E-05	6.17E-05	2.82E-04	1.36E-05	9.50E-06	3.66E-04
3007	479326.63	3850221.93	0.01358	0.0093	0.0021	0.00302	5.49E-05	2.77E-04	1.36E-05	9.54E-06	3.55E-04	4.99E-05	3.00E-10	1.81E-07	2.60E-07	5.04E-05	6.35E-05	2.77E-04	1.36E-05	9.54E-06	3.64E-04
3008	479376.63	3850221.93	0.01401	0.00919	0.0021	0.00303	5.66E-05	2.74E-04	1.35E-05	9.57E-06	3.54E-04	5.15E-05	2.96E-10	1.80E-07	2.61E-07	5.19E-05	6.55E-05	2.74E-04	1.35E-05	9.57E-06	3.63E-04
3009	478676.63	3850271.93	0.01082	0.00991	0.0022	0.00293	4.37E-05	2.96E-04	1.38E-05	9.25E-06	3.62E-04	3.98E-05	3.19E-10	1.84E-07	2.52E-07	4.02E-05	5.06E-05	2.96E-04	1.38E-05	9.25E-06	3.69E-04
3010	478726.63	3850271.93	0.01084	0.00993	0.0022	0.00293	4.38E-05	2.96E-04	1.38E-05	9.25E-06	3.63E-04	3.99E-05	3.20E-10	1.84E-07	2.52E-07	4.03E-05	5.07E-05	2.96E-04	1.38E-05	9.25E-06	3.70E-04
3011	478976.63	3850271.93	0.0113	0.0098	0.0022	0.00298	4.57E-05	2.92E-04	1.38E-05	9.41E-06	3.61E-04	4.15E-05	3.16E-10	1.84E-07	2.57E-07	4.20E-05	5.28E-05	2.92E-04	1.38E-05	9.41E-06	3.68E-04
3012	479026.63	3850271.93	0.01151	0.0098	0.0022	0.00299	4.65E-05	2.92E-04	1.38E-05	9.44E-06	3.62E-04	4.23E-05	3.16E-10	1.84E-07	2.57E-07	4.28E-05	5.38E-05	2.92E-04	1.38E-05	9.44E-06	3.69E-04
3013	479076.63	3850271.93	0.01172	0.00976	0.0022	0.00299	4.74E-05	2.91E-04	1.38E-05	9.44E-06	3.62E-04	4.31E-05	3.15E-10	1.84E-07	2.57E-07	4.35E-05	5.48E-05	2.91E-04	1.38E-05	9.44E-06	3.69E-04
3014	479126.63	3850271.93	0.01198	0.00972	0.0022	0.003	4.84E-05	2.90E-04	1.38E-05	9.47E-06	3.62E-04	4.40E-05	3.13E-10	1.84E-07	2.58E-07	4.45E-05	5.60E-05	2.90E-04	1.38E-05	9.47E-06	3.69E-04
3015	479176.63	3850271.93	0.01228	0.0097	0.0022	0.00301	4.96E-05	2.89E-04	1.37E-05	9.50E-06	3.62E-04	4.51E-05	3.13E-10	1.83E-07	2.59E-07	4.56E-05	5.74E-05	2.89E-04	1.37E-05	9.50E-06	3.70E-04
3016	479226.63	3850271.93	0.01263	0.00969	0.0022	0.00302	5.11E-05	2.89E-04	1.37E-05	9.54E-06	3.63E-04	4.64E-05	3.12E-10	1.83E-07	2.60E-07	4.69E-05	5.91E-05	2.89E-04	1.37E-05	9.54E-06	3.71E-04
3017	479276.63	3850271.93	0.01299	0.00964	0.0022	0.00302	5.25E-05	2.88E-04	1.37E-05	9.54E-06	3.63E-04	4.78E-05	3.11E-10	1.83E-07	2.60E-07	4.82E-05	6.07E-05	2.88E-04	1.37E-05	9.54E-06	3.72E-04
3018	479326.63	3850271.93	0.01335	0.00953	0.0021	0.00303	5.40E-05	2.84E-04	1.37E-05	9.57E-06	3.61E-04	4.91E-05	3.07E-10	1.82E-07	2.61E-07	4.95E-05	6.24E-05	2.84E-04	1.37E-05	9.57E-06	3.70E-04
3019	479376.63	3850271.93	0.01373	0.00936	0.0021	0.00305	5.55E-05	2.79E-04	1.37E-05	9.63E-06	3.58E-04	5.05E-05	3.02E-10	1.82E-07	2.63E-07	5.09E-05	6.42E-05	2.79E-04	1.37E-05	9.63E-06	3.67E-04
3020	479053.24	3850293.52	0.01162	0.00989	0.0022	0.00299	4.70E-05	2.95E-04	1.38E-05	9.44E-06	3.65E-04	4.27E-05	3.19E-10	1.85E-07	2.57E-07	4.32E-05	5.43E-05	2.95E-04	1.38E-05	9.44E-06	3.73E-04
3021	479103.24	3850293.52	0.01185	0.00986	0.0022	0.003	4.79E-05	2.94E-04	1.38E-05	9.47E-06	3.65E-04	4.36E-05	3.18E-10	1.84E-07	2.58E-07	4.40E-05	5.54E-05	2.94E-04	1.38E-05	9.47E-06	3.73E-04
3022	479153.24	3850293.52	0.0121	0.00981	0.0022	0.00301	4.89E-05	2.93E-04	1.38E-05	9.50E-06	3.65E-04	4.45E-05	3.16E-10	1.84E-07	2.59E-07	4.49E-05	5.66E-05	2.93E-04	1.38E-05	9.50E-06	3.73E-04
3023	479203.24	3850293.52	0.01242	0.0098	0.0022	0.00302	5.02E-05	2.92E-04	1.38E-05	9.54E-06	3.66E-04	4.57E-05	3.16E-10	1.84E-07	2.60E-07	4.61E-05	5.81E-05	2.92E-04	1.38E-05	9.54E-06	3.74E-04
3024	479253.24	3850293.52	0.01275	0.00977	0.0022	0.00302	5.15E-05	2.91E-04	1.38E-05	9.54E-06	3.66E-04	4.69E-05	3.15E-10	1.84E-07	2.60E-07	4.73E-05	5.96E-05	2.91E-04	1.38E-05	9.54E-06	3.74E-04
3025	479303.24	3850293.52	0.01309	0.00967	0.0022	0.00303	5.29E-05	2.88E-04	1.37E-05	9.57E-06	3.65E-04	4.81E-05	3.12E-10	1.83E-07	2.61E-07	4.86E-05	6.12E-05	2.88E-04	1.37E-05	9.57E-06	3.73E-04
3026	479353.24	3850293.52	0.01345	0.00953	0.0022	0.00304	5.44E-05	2.84E-04	1.37E-05	9.60E-06	3.62E-04	4.94E-05	3.07E-10	1.83E-07	2.62E-07	4.99E-05	6.29E-05	2.84E-04	1.37E-05	9.60E-06	3.71E-04
3027	479153.24	3850343.52	0.01207	0.01006	0.0022	0.00302	4.88E-05	3.00E-04	1.39E-05	9.54E-06	3.72E-04	4.44E-05	3.24E-10	1.85E-07	2.60E-07	4.48E-05	5.64E-05	3.00E-04	1.39E-05	9.54E-06	3.80E-04
3028	479203.24	3850343.52	0.01255	0.01004	0.0022	0.00302	5.07E-05	3.00E-04	1.38E-05	9.54E-06	3.74E-04	4.61E-05	3.24E-10	1.85E-07	2.60E-07	4.66E-05	5.87E-05	3.00E-04	1.38E-05	9.54E-06	3.82E-04
3029	479253.24	3850343.52	0.01261	0.00997	0.0022	0.00303	5.10E-05	2.97E-04	1.38E-05	9.57E-06	3.72E-04	4.64E-05	3.21E-10	1.85E-07	2.61E-07	4.68E-05	5.90E-05	2.97E-04	1.38E-05	9.57E-06	3.80E-04
3030	479303.24	3850343.52	0.0129	0.00987	0.0022	0.00304	5.21E-05	2.94E-04	1.38E-05	9.60E-06	3.70E-04	4.74E-05	3.18E-10	1.85E-07	2.62E-07	4.79E-05	6.03E-05	2.94E-04	1.38E-05	9.60E-06	3.78E-04
3031	479353.24	3850343.52	0.01323	0.00974	0.0022	0.00306	5.35E-05	2.91E-04	1.38E-05	9.66E-06	3.67E-04	4.86E-05	3.14E-10	1.84E-07	2.63E-07	4.91E-05	6.19E-05	2.91E-04	1.38E-05	9.66E-06	3.76E-04
3032	479203.24	3850393.52	0.01245	0.01025	0.0022	0.00303	5.03E-05	3.06E-04	1.40E-05	9.57E-06	3.80E-04	4.58E-05	3.30E-10	1.86E-07	2.61E-07	4.62E-05	5.82E-05	3.06E-04	1.40E-05	9.57E-06	3.88E-04
3033	479253.24	3850393.52	0.0127	0.01018	0.0022	0.00304	5.13E-05	3.04E-04	1.40E-05	9.60E-06	3.79E-04	4.67E-05	3.28E-10	1.86E-07	2.62E-07	4.71E-05	5.94E-05	3.04E-04	1.40E-05	9.60E-06	3.87E-04
3034	479303.24	3850393.52	0.01298	0.01009	0.0022	0.00305	5.25E-05	3.01E-04	1.39E-05	9.63E-06	3.77E-04	4.77E-05	3.25E-10	1.85E-07	2.63E-07	4.82E-05	6.07E-05	3.01E-04	1.39E-05	9.63E-06	3.85E-04
3035	479353.24	3850393.52	0.01307	0.00997	0.0022	0.00307	5.28E-05	2.97E-04	1.39E-05	9.69E-06	3.74E-04	4.81E-05	3.21E-10	1.85E-07	2.64E-07	4.85E-05	6.11E-05	2.97E-04	1.39E-05	9.69E-06	3.82E-04
3036	479403.24	3850393.52	0.0134	0.00985	0.0022	0.00308	5.42E-05	2.94E-04	1.39E-05	9.72E-06	3.72E-04	4.93E-05	3.17E-10	1.85E-07	2.65E-07	4.97E-05	6.27E-05	2.94E-04	1.39E-05	9.72E-06	3.80E-04
3037	479453.24	3850393.52	0.01375	0.00967	0.0022	0.00309	5.56E-05	2.88E-04	1.38E-05	9.76E-06	3.68E-04	5.06E-05	3.12E-10	1.85E-07	2.66E-07	5.10E-05	6.43E-05	2.88E-04	1.38E-05	9.76E-06	3.76E-04
3038	479503.24	3850393.52	0.01414	0.00947	0.0022	0.0031	5.72E-05	2.83E-04	1.38E-05	9.79E-06	3.63E-04	5.20E-05	3.05E-10	1.85E-07	2.67E-07	5.24E-05	6.61E-05	2.83E-04	1.38E-05	9.79E-06	3.72E-04
3039	479303.24	3850443.52	0.01285	0.01028	0.0022	0.00307	5.19E-05	3.07E-04	1.40E-05	9.69E-06	3.82E-04	4.72E-05	3.31E-10	1.87E-07	2.64E-07	4.77E-05	6.01E-05	3.07E-04	1.40E-05	9.69E-06	3.91E-04
3040	479353.24	3850443.52	0.01291	0.01015	0.0022	0.00308	5.22E-05	3.03E-04	1.40E-05	9.72E-06	3.79E-04	4.75E-05	3.27E-10	1.87E-07	2.65E-07	4.79E-05	6.04E-05	3.03E-04	1.40E-05	9.72E-06	3.87E-04
3041	479403.24	3850443.52	0.01318	0.00999	0.0022	0.00309	5.33E-05	2.98E-04	1.40E-05	9.76E-06	3.75E-04	4.85E-05	3.22E-10	1.86E-07	2.66E-07	4.89E-05	6.16E-05	2.98E-04	1.40E-05	9.76E-06	3.83E-04
3042	479453.24	3850443.52	0.0135	0.00983	0.0022	0.00311	5.46E-05	2.93E-04	1.40E-05	9.82E-06	3.72E-04	4.96E-05	3.17E-10	1.86E-07	2.68E-07	5.01E-05	6.31E-05	2.93E-04	1.40E-05	9.82E-06	3.80E-04
3043	479503.24	3850443.52	0.01386	0.00964	0.0022	0.00312	5.60E-05	2.88E-04	1.39E-05	9.85E-06	3.67E-04	5.10E-05	3.11E-10	1.85E-07	2.69E-07	5.14E-05	6.48E-05	2.88E-04	1.39E-05	9.85E-06	3.76E-04
3044	480327.18	3850987.04	0.01924	0.0112	0.0023	0.00341	7.78E-05	3.34E-04	1.49E-05	1.08E-05	4.38E-04	7.07E-05	3.61E-10	1.98E-07	2.94E-07	7.12E-05	9.00E-05	3.34E-04	1.49E-05	1.08E-05	4.50E-04
3045	480377.18	3850987.04	0.0198	0.01109	0.0023	0.00343	8.00E-05	3.31E-04	1.48E-05	1.08E-05	4.37E-04	7.28E-05	3.57E-10	1.97E-07	2.95E-07	7.33E-05	9.26E-05	3.31E-04	1.48E-05	1.08E-05	4.49E-04
3046	480427.18	3850987.04	0.02035	0.01095	0.0023	0.00344	8.23E-05	3.27E-04	1.48E-05	1.09E-05	4.35E-04	7.48E-05	3.53E-10	1.97E-07	2.96E-07	7.53E-05	9.52E-05	3.27E-04	1.48E-05	1.09E-05	4.48E-04

3047	480477.18	3850987.04	0.02086	0.01079	0.0023	0.00346	8.43E-05	3.22E-04	1.48E-05	1.09E-05	4.32E-04	7.67E-05	3.48E-10	1.97E-07	2.98E-07	7.72E-05	9.76E-05	3.22E-04	1.48E-05	1.09E-05	4.45E-04
3048	480327.18	3851037.04	0.01894	0.01147	0.0024	0.00342	7.66E-05	3.42E-04	1.50E-05	1.08E-05	4.45E-04	6.96E-05	3.70E-10	2.00E-07	2.94E-07	7.01E-05	8.86E-05	3.42E-04	1.50E-05	1.08E-05	4.57E-04
3049	480377.18	3851037.04	0.01952	0.01135	0.0023	0.00344	7.89E-05	3.39E-04	1.49E-05	1.09E-05	4.43E-04	7.18E-05	3.66E-10	1.99E-07	2.96E-07	7.23E-05	9.13E-05	3.39E-04	1.49E-05	1.09E-05	4.56E-04
3050	480427.18	3851037.04	0.02009	0.01121	0.0023	0.00346	8.12E-05	3.34E-04	1.49E-05	1.09E-05	4.41E-04	7.39E-05	3.61E-10	1.99E-07	2.98E-07	7.44E-05	9.40E-05	3.34E-04	1.49E-05	1.09E-05	4.54E-04
3051	480477.18	3851037.04	0.02065	0.01111	0.0023	0.00347	8.35E-05	3.31E-04	1.49E-05	1.10E-05	4.41E-04	7.59E-05	3.58E-10	1.98E-07	2.99E-07	7.64E-05	9.66E-05	3.31E-04	1.49E-05	1.10E-05	4.54E-04
3052	480622.06	3851087.39	0.02198	0.01113	0.0024	0.00354	8.88E-05	3.32E-04	1.50E-05	1.12E-05	4.47E-04	8.08E-05	3.59E-10	2.00E-07	3.05E-07	8.13E-05	1.03E-04	3.32E-04	1.50E-05	1.12E-05	4.61E-04
3053	480672.06	3851087.39	0.02246	0.01106	0.0023	0.00356	9.08E-05	3.30E-04	1.49E-05	1.12E-05	4.47E-04	8.26E-05	3.56E-10	1.99E-07	3.07E-07	8.31E-05	1.05E-04	3.30E-04	1.49E-05	1.12E-05	4.61E-04
3054	480622.06	3851137.39	0.0218	0.01145	0.0024	0.00355	8.81E-05	3.42E-04	1.51E-05	1.12E-05	4.56E-04	8.01E-05	3.69E-10	2.01E-07	3.06E-07	8.07E-05	1.02E-04	3.42E-04	1.51E-05	1.12E-05	4.70E-04
3055	480672.06	3851137.39	0.02233	0.01137	0.0024	0.00357	9.03E-05	3.39E-04	1.51E-05	1.13E-05	4.56E-04	8.21E-05	3.66E-10	2.01E-07	3.07E-07	8.26E-05	1.04E-04	3.39E-04	1.51E-05	1.13E-05	4.70E-04
3056	480722.06	3851137.39	0.02283	0.01131	0.0024	0.00359	9.23E-05	3.37E-04	1.51E-05	1.13E-05	4.56E-04	8.39E-05	3.65E-10	2.01E-07	3.09E-07	8.44E-05	1.07E-04	3.37E-04	1.51E-05	1.13E-05	4.71E-04
3057	480622.06	3851187.39	0.02155	0.01176	0.0024	0.00357	8.71E-05	3.51E-04	1.52E-05	1.13E-05	4.64E-04	7.92E-05	3.79E-10	2.02E-07	3.07E-07	7.97E-05	1.01E-04	3.51E-04	1.52E-05	1.13E-05	4.78E-04
3058	480672.06	3851187.39	0.02214	0.01169	0.0024	0.00358	8.95E-05	3.49E-04	1.52E-05	1.13E-05	4.65E-04	8.14E-05	3.77E-10	2.02E-07	3.08E-07	8.19E-05	1.04E-04	3.49E-04	1.52E-05	1.13E-05	4.79E-04
3059	480722.06	3851187.39	0.02269	0.01164	0.0024	0.0036	9.17E-05	3.47E-04	1.52E-05	1.14E-05	4.66E-04	8.34E-05	3.75E-10	2.02E-07	3.10E-07	8.39E-05	1.06E-04	3.47E-04	1.52E-05	1.14E-05	4.80E-04
3060	471363.09	3845877.25	0.00353	0.00195	0.0013	0.00181	1.43E-05	5.82E-05	8.16E-06	5.71E-06	8.63E-05	1.30E-05	6.28E-11	1.09E-07	1.56E-07	1.32E-05	1.65E-05	5.82E-05	8.16E-06	5.71E-06	8.86E-05
3061	471863.09	3845877.25	0.00337	0.00187	0.0013	0.0018	1.36E-05	5.58E-05	8.36E-06	5.68E-06	8.34E-05	1.24E-05	6.03E-11	1.11E-07	1.55E-07	1.27E-05	1.58E-05	5.58E-05	8.36E-06	5.68E-06	8.56E-05
3062	472363.09	3845877.25	0.00362	0.00207	0.0014	0.00179	1.46E-05	6.18E-05	8.87E-06	5.65E-06	9.09E-05	1.33E-05	6.67E-11	1.18E-07	1.54E-07	1.36E-05	1.69E-05	6.18E-05	8.87E-06	5.65E-06	9.32E-05
3063	472863.09	3845877.25	0.00311	0.00191	0.0014	0.00175	1.26E-05	5.70E-05	8.87E-06	5.53E-06	8.39E-05	1.14E-05	6.16E-11	1.18E-07	1.51E-07	1.17E-05	1.45E-05	5.70E-05	8.87E-06	5.53E-06	8.59E-05
3064	473363.09	3845877.25	0.00293	0.00216	0.0014	0.00173	1.18E-05	6.44E-05	8.99E-06	5.46E-06	9.07E-05	1.08E-05	6.96E-11	1.20E-07	1.49E-07	1.10E-05	1.37E-05	6.44E-05	8.99E-06	5.46E-06	9.26E-05
3065	473863.09	3845877.25	0.00311	0.0024	0.0014	0.00172	1.26E-05	7.16E-05	8.99E-06	5.43E-06	9.86E-05	1.14E-05	7.74E-11	1.20E-07	1.48E-07	1.17E-05	1.45E-05	7.16E-05	8.99E-06	5.43E-06	1.01E-04
3066	474363.09	3845877.25	0.00356	0.00274	0.0014	0.00174	1.44E-05	8.17E-05	8.93E-06	5.49E-06	1.11E-04	1.31E-05	8.83E-11	1.19E-07	1.50E-07	1.34E-05	1.66E-05	8.17E-05	8.93E-06	5.49E-06	1.13E-04
3067	474863.09	3845877.25	0.00432	0.00292	0.0014	0.0018	1.75E-05	8.71E-05	8.87E-06	5.68E-06	1.19E-04	1.59E-05	9.41E-11	1.18E-07	1.55E-07	1.62E-05	2.02E-05	8.71E-05	8.87E-06	5.68E-06	1.22E-04
3068	475363.09	3845877.25	0.00608	0.00297	0.0014	0.0019	2.46E-05	8.86E-05	8.80E-06	6.00E-06	1.28E-04	2.24E-05	9.57E-11	1.17E-07	1.64E-07	2.26E-05	2.84E-05	8.86E-05	8.80E-06	6.00E-06	1.32E-04
3069	475863.09	3845877.25	0.00633	0.00284	0.0014	0.00193	2.56E-05	8.47E-05	8.87E-06	6.09E-06	1.25E-04	2.33E-05	9.15E-11	1.18E-07	1.66E-07	2.36E-05	2.96E-05	8.47E-05	8.87E-06	6.09E-06	1.29E-04
3070	476363.09	3845877.25	0.00585	0.00252	0.0014	0.00191	2.36E-05	7.52E-05	9.19E-06	6.03E-06	1.14E-04	2.15E-05	8.12E-11	1.22E-07	1.64E-07	2.18E-05	2.74E-05	7.52E-05	9.19E-06	6.03E-06	1.18E-04
3071	476863.09	3845877.25	0.00555	0.00223	0.0016	0.0019	2.24E-05	6.65E-05	1.01E-05	6.00E-06	1.05E-04	2.04E-05	7.19E-11	1.35E-07	1.64E-07	2.07E-05	2.60E-05	6.65E-05	1.01E-05	6.00E-06	1.09E-04
3072	477363.09	3845877.25	0.00405	0.00215	0.0018	0.00191	1.64E-05	6.41E-05	1.16E-05	6.03E-06	9.82E-05	1.49E-05	6.93E-11	1.55E-07	1.64E-07	1.52E-05	1.89E-05	6.41E-05	1.16E-05	6.03E-06	1.01E-04
3073	477863.09	3845877.25	0.00349	0.00201	0.0019	0.0019	1.41E-05	6.00E-05	1.22E-05	6.00E-06	9.23E-05	1.28E-05	6.48E-11	1.62E-07	1.64E-07	1.32E-05	1.63E-05	6.00E-05	1.22E-05	6.00E-06	9.45E-05
3074	478363.09	3845877.25	0.00376	0.00193	0.0019	0.00191	1.52E-05	5.76E-05	1.18E-05	6.03E-06	9.06E-05	1.38E-05	6.22E-11	1.57E-07	1.64E-07	1.41E-05	1.76E-05	5.76E-05	1.18E-05	6.03E-06	9.30E-05
3075	478863.09	3845877.25	0.00327	0.00179	0.0017	0.00194	1.32E-05	5.34E-05	1.10E-05	6.13E-06	8.38E-05	1.20E-05	5.77E-11	1.47E-07	1.67E-07	1.23E-05	1.53E-05	5.34E-05	1.10E-05	6.13E-06	8.59E-05
3076	479363.09	3845877.25	0.00311	0.00176	0.0017	0.00198	1.26E-05	5.25E-05	1.07E-05	6.25E-06	8.20E-05	1.14E-05	5.67E-11	1.43E-07	1.70E-07	1.17E-05	1.45E-05	5.25E-05	1.07E-05	6.25E-06	8.40E-05
3077	479863.09	3845877.25	0.00315	0.00172	0.0017	0.00205	1.27E-05	5.13E-05	1.05E-05	6.47E-06	8.10E-05	1.16E-05	5.54E-11	1.40E-07	1.77E-07	1.19E-05	1.47E-05	5.13E-05	1.05E-05	6.47E-06	8.30E-05
3078	480363.09	3845877.25	0.00276	0.00162	0.0016	0.00212	1.12E-05	4.83E-05	1.03E-05	6.69E-06	7.65E-05	1.01E-05	5.22E-11	1.38E-07	1.83E-07	1.05E-05	1.29E-05	4.83E-05	1.03E-05	6.69E-06	7.83E-05
3079	480863.09	3845877.25	0.0024	0.00149	0.0016	0.00218	9.70E-06	4.45E-05	1.05E-05	6.88E-06	7.15E-05	8.82E-06	4.80E-11	1.39E-07	1.88E-07	9.15E-06	1.12E-05	4.45E-05	1.05E-05	6.88E-06	7.30E-05
3080	481363.09	3845877.25	0.00209	0.00141	0.0017	0.00218	8.45E-06	4.21E-05	1.10E-05	6.88E-06	6.84E-05	7.68E-06	4.54E-11	1.46E-07	1.88E-07	8.02E-06	9.77E-06	4.21E-05	1.10E-05	6.88E-06	6.97E-05
3081	481863.09	3845877.25	0.00194	0.00134	0.0018	0.00214	7.84E-06	4.00E-05	1.17E-05	6.76E-06	6.63E-05	7.13E-06	4.32E-11	1.56E-07	1.84E-07	7.47E-06	9.07E-06	4.00E-05	1.17E-05	6.76E-06	6.75E-05
3082	482363.09	3845877.25	0.00185	0.00127	0.002	0.0021	7.48E-06	3.79E-05	1.25E-05	6.63E-06	6.45E-05	6.80E-06	4.09E-11	1.67E-07	1.81E-07	7.15E-06	8.65E-06	3.79E-05	1.25E-05	6.63E-06	6.57E-05
3083	482863.09	3845877.25	0.00149	0.00114	0.002	0.00207	6.02E-06	3.40E-05	1.30E-05	6.54E-06	5.96E-05	5.48E-06	3.67E-11	1.73E-07	1.78E-07	5.83E-06	6.97E-06	3.40E-05	1.30E-05	6.54E-06	6.05E-05
3084	483363.09	3845877.25	0.00136	0.00105	0.0022	0.00202	5.50E-06	3.13E-05	1.39E-05	6.38E-06	5.71E-05	5.00E-06	3.38E-11	1.85E-07	1.74E-07	5.36E-06	6.36E-06	3.13E-05	1.39E-05	6.38E-06	5.80E-05
3085	483863.09	3845877.25	0.00156	0.00113	0.0024	0.00211	6.31E-06	3.37E-05	1.54E-05	6.66E-06	6.21E-05	5.74E-06	3.64E-11	2.06E-07	1.82E-07	6.12E-06	7.30E-06	3.37E-05	1.54E-05	6.66E-06	6.31E-05
3086	484363.09	3845877.25	0.00152	0.00111	0.0026	0.00212	6.14E-06	3.31E-05	1.64E-05	6.69E-06	6.23E-05	5.59E-06	3.58E-11	2.19E-07	1.83E-07	5.99E-06	7.11E-06	3.31E-05	1.64E-05	6.69E-06	6.33E-05
3087	484863.09	3845877.25	0.00148	0.00108	0.0025	0.00209	5.98E-06	3.22E-05	1.59E-05	6.60E-06	6.07E-05	5.44E-06	3.48E-11	2.12E-07	1.80E-07	5.83E-06	6.92E-06	3.22E-05	1.59E-05	6.60E-06	6.16E-05
3088	485363.09	3845877.25	0.0014	0.00104	0.0023	0.00205	5.66E-06	3.10E-05	1.44E-05	6.47E-06	5.76E-05	5.15E-06	3.35E-11	1.92E-07	1.77E-07	5.52E-06	6.55E-06	3.10E-05	1.44E-05	6.47E-06	5.85E-05
3089	485863.09	3845877.25	0.00133	0.00103	0.002	0.00203	5.38E-06	3.07E-05	1.28E-05	6.41E-06	5.53E-05	4.89E-06	3.32E-11	1.70E-07	1.75E-07	5.23E-06	6.22E-06	3.07E-05	1.28E-05	6.41E-06	5.61E-05
3090	486363.09	3845877.25	0.00129	0.00103	0.0018	0.00201	5.21E-06	3.07E-05	1.15E-05	6.35E-06	5.38E-05	4.74E-06	3.32E-11	1.54E-07	1.73E-07	5.07E-06	6.03E-06	3.07E-05	1.15E-05	6.35E-06	5.47E-05
3091	486863.09	3845877.25	0.00118	0.00099	0.0016	0.00197	4.77E-06	2.95E-05	1.05E-05	6.22E-06	5.10E-05	4.34E-06	3.19E-11	1.39E-07	1.70E-07	4.65E-06	5.52E-06	2.95E-05	1.05E-05	6.22E-06	5.17E-05
3092	487363.09	3845877.25	0.00115	0.00095	0.0015	0.00197	4.65E-06	2.83E-05	9.70E-06	6.22E-06	4.89E-05	4.23E-06	3.06E-11	1.29E-07	1.70E-07	4.53E-06	5.38E-06	2.83E-05	9.70E-06	6.22E-06	4.96E-05
3093	487863.09	3845877.25	0.0011	0.0009	0.0015	0.00196	4.45E-06	2.69E-05	9.50E-06	6.19E-06	4.70E-05	4.04E-06	2.90E-11	1.27E-07	1.69E-07	4.34E-06	5.14E-06	2.69E-05	9.50E-06	6.19E-06	4.77E-05
3094	488363.09	3845877.25	0.00108	0.00089	0.0015	0.00196	4.37E-06	2.66E-05	9.63E-06	6.19E-06	4.67E-05	3.97E-06	2.87E-11	1.28E-07	1.69E-07	4.27E-06	5.05E-06	2.66E-05	9.63E-06	6.19E-06	4.74E-05
3095	488863.09	3845877.25	0.00117	0.00094	0.0019	0.00204	4.73E-06	2.80E-05	1.21E-05	6.44E-06	5.13E-05	4.30E-06	3.03E-11	1.62E-07	1.76E-07	4.64E-06	5.47E-06	2.80E-05	1.21E-05	6.44E-06	5.21E-05
3096	489363.09	3845877.25	0.00117	0.00092	0.002	0.00205	4.73E-06	2.74E-05	1.27E-05	6.47E-06	5.13E-05	4.30E-06	2.97E-11	1.69E-07	1.77E-07	4.65E-06	5.47E-06	2.74E-05	1.27E-05	6.47E-06	5.21E-05
3097	489863.09	3845877.25	0.00115	0.00091	0.002	0.00204	4.65E-06	2.71E-05	1.30E-05	6.44E-06	5.13E-05	4.23E-06	2.93E-11	1.73E-07	1.76E-07	4.58E-06	5.38E-06	2.71E-05	1.30E-05	6.44E-06	5.20E-05
3098	490363.09	3845877.25	0.00109	0.0009	0.0018	0.00201	4.41E-06	2.69E-05	1.15E-05	6.35E-06	4.91E-05	4.01E-06	2.90E-11	1.53E-07	1.73E-07	4.33E-06	5.10E-06	2.69E-05	1.15E-05	6.35E-06	4.98E-05
3099	490863.09	3845877.25	0.00101	0.00085	0.0016	0.00193	4.08E-06	2.54E-05	1.04E-05	6.09E-06	4.59E-05	3.71E-06	2.74E-11	1.39E-07	1.66E-07	4.02E-06	4.72E-06	2.54E-05	1.04E-05	6.09E-06	4.66E-05
3100	491363.09	3845877.25	0.00107	0.0009	0.0017	0.00203	4.33E-06	2.69E-05	1.09E-05	6.41E-06	4.85E-05	3.93E-06	2.90E-11	1.45E-07	1.75E-07	4.25E-06	5.00E-06	2.69E-05	1.09E-05	6.41E-06	4.92E-05
3101	491863.09	3845877.25	0.00114	0.00094	0.0018	0.00211	4.61E-06	2.80E-05	1.15E-05	6.66E-06	5.09E-05	4.19E-06	3.03E-11	1.54E-07	1.82E-07	4.53E-06	5.33E-06	2.80E-05	1.15E-05	6.66E-06	5.16E-05
3102	492363.09	3845877.25	0.00114	0.00092	0.0017	0.0021	4.61E-06	2.74E-05	1.10E-05	6.63E-06	4.97E-05	4.19E-06	2.97E-11	1.47E-07	1.81E-07	4.52E-06	5.33E-06	2.74E-05	1.10E-05	6.63E-06	5.04E-05
3103	492863.09	3845877.25	0.0013	0.00102	0.0019	0.00227	5.25E-06	3.04E-05	1.19E-05	7.17E-06	5.48E-05	4.78E-06	3.29E-11	1.59E-07	1.95E-07	5.13E-06	6.08E-06	3.04E-05	1.19E-05	7.17E-06	5.56E-05
3104	493363.09	3845877.25	0.00138	0.00106	0.0019	0.00236	5.58E-06	3.16E-05	1.19E-05	7.45E-06	5.66E-05	5.07E-06	3.42E-11	1.59E-07	2.03E-07	5.44E-06	6.45E-06	3.16E-05	1.19E-05	7.45E-06	5.75E-05
3105	493863.09	3845877.25	0.00148	0.0011	0.0018	0.00245	5.98E-06	3.28E-05	1.16E-05	7.74E-06	5.81E-05	5.44E-06	3.55E-11	1.55E-07	2.11E-07	5.81E-06	6.92E-06	3.28E-05	1.16E-05	7.74E-06	5.91E-05
3106	494363.09	3845877.25	0.0016	0.00113	0.0018	0.00252	6.47E-06	3.37E-05	1.13E-05	7.96E-06	5.94E-05	5.88E-06	3.64E-11	1.51E-07	2.17E-07	6.25E-06	7.48E-06	3.37E-05	1.13E-05	7.96E-06	6.04E-05
3107	494863.09	3845877.25	0.00166	0.00115	0.0018	0.00257	6.71E-06	3.43E-05	1.14E-05	8.11E-06	6.06E-05	6.10E-06	3.71E-11	1.52E-07	2.21E-07	6.48E-06	7.76E-06	3.43E-05	1.14E-05	8.11E-06	6.16E-05

3108	495363.09	3845877.25	0.00177	0.00122	0.0019	0.00264	7.15E-06	3.64E-05	1.19E-05	8.34E-06	6.38E-05	6.51E-06	3.93E-11	1.58E-07	2.27E-07	6.89E-06	8.28E-06	3.64E-05	1.19E-05	8.34E-06	6.49E-05
3109	495863.09	3845877.25	0.00187	0.00129	0.0019	0.0027	7.56E-06	3.85E-05	1.21E-05	8.52E-06	6.66E-05	6.88E-06	4.16E-11	1.61E-07	2.32E-07	7.27E-06	8.75E-06	3.85E-05	1.21E-05	8.52E-06	6.78E-05
3110	496363.09	3845877.25	0.00195	0.00136	0.002	0.00278	7.88E-06	4.06E-05	1.25E-05	8.78E-06	6.97E-05	7.17E-06	4.38E-11	1.67E-07	2.39E-07	7.58E-06	9.12E-06	4.06E-05	1.25E-05	8.78E-06	7.10E-05
3111	496863.09	3845877.25	0.00201	0.00143	0.0021	0.00284	8.12E-06	4.27E-05	1.35E-05	8.97E-06	7.33E-05	7.39E-06	4.61E-11	1.80E-07	2.45E-07	7.81E-06	9.40E-06	4.27E-05	1.35E-05	8.97E-06	7.46E-05
3112	497363.09	3845877.25	0.00211	0.00149	0.0023	0.00292	8.53E-06	4.45E-05	1.49E-05	9.22E-06	7.71E-05	7.76E-06	4.80E-11	1.99E-07	2.51E-07	8.21E-06	9.87E-06	4.45E-05	1.49E-05	9.22E-06	7.85E-05
3113	497863.09	3845877.25	0.00224	0.00156	0.0026	0.00301	9.05E-06	4.65E-05	1.65E-05	9.50E-06	8.16E-05	8.24E-06	5.03E-11	2.19E-07	2.59E-07	8.71E-06	1.05E-05	4.65E-05	1.65E-05	9.50E-06	8.30E-05
3114	498363.09	3845877.25	0.00236	0.00164	0.0028	0.00311	9.54E-06	4.89E-05	1.79E-05	9.82E-06	8.62E-05	8.68E-06	5.29E-11	2.39E-07	2.68E-07	9.18E-06	1.10E-05	4.89E-05	1.79E-05	9.82E-06	8.77E-05
3115	471363.09	3846377.25	0.00499	0.00319	0.0014	0.00194	2.02E-05	9.52E-05	8.99E-06	6.13E-06	1.30E-04	1.83E-05	1.03E-10	1.20E-07	1.67E-07	1.86E-05	2.33E-05	9.52E-05	8.99E-06	6.13E-06	1.34E-04
3116	471863.09	3846377.25	0.00474	0.00272	0.0014	0.00193	1.92E-05	8.11E-05	8.99E-06	6.09E-06	1.15E-04	1.74E-05	8.77E-11	1.20E-07	1.66E-07	1.77E-05	2.22E-05	8.11E-05	8.99E-06	6.09E-06	1.18E-04
3117	472363.09	3846377.25	0.00367	0.00198	0.0014	0.00188	1.48E-05	5.91E-05	8.61E-06	5.94E-06	8.85E-05	1.35E-05	6.38E-11	1.15E-07	1.62E-07	1.38E-05	1.72E-05	5.91E-05	8.61E-06	5.94E-06	9.08E-05
3118	472863.09	3846377.25	0.00366	0.00205	0.0014	0.00186	1.48E-05	6.12E-05	8.99E-06	5.87E-06	9.08E-05	1.35E-05	6.61E-11	1.20E-07	1.60E-07	1.37E-05	1.71E-05	6.12E-05	8.99E-06	5.87E-06	9.31E-05
3119	473363.09	3846377.25	0.00365	0.00218	0.0015	0.00184	1.48E-05	6.50E-05	9.25E-06	5.81E-06	9.48E-05	1.34E-05	7.03E-11	1.23E-07	1.58E-07	1.37E-05	1.71E-05	6.50E-05	9.25E-06	5.81E-06	9.72E-05
3120	473863.09	3846377.25	0.00354	0.00259	0.0015	0.00182	1.43E-05	7.73E-05	9.50E-06	5.75E-06	1.07E-04	1.30E-05	8.35E-11	1.27E-07	1.57E-07	1.33E-05	1.66E-05	7.73E-05	9.50E-06	5.75E-06	1.09E-04
3121	474363.09	3846377.25	0.00367	0.00295	0.0015	0.00181	1.48E-05	8.80E-05	9.50E-06	5.71E-06	1.18E-04	1.35E-05	9.51E-11	1.27E-07	1.56E-07	1.38E-05	1.72E-05	8.80E-05	9.50E-06	5.71E-06	1.20E-04
3122	474863.09	3846377.25	0.00418	0.00327	0.0015	0.00184	1.69E-05	9.76E-05	9.44E-06	5.81E-06	1.30E-04	1.54E-05	1.05E-10	1.26E-07	1.58E-07	1.57E-05	1.95E-05	9.76E-05	9.44E-06	5.81E-06	1.32E-04
3123	475363.09	3846377.25	0.00498	0.00334	0.0015	0.00193	2.01E-05	9.96E-05	9.31E-06	6.09E-06	1.35E-04	1.83E-05	1.08E-10	1.24E-07	1.66E-07	1.86E-05	2.33E-05	9.96E-05	9.31E-06	6.09E-06	1.38E-04
3124	475863.09	3846377.25	0.00692	0.00335	0.0015	0.00203	2.80E-05	9.99E-05	9.25E-06	6.41E-06	1.44E-04	2.54E-05	1.08E-10	1.23E-07	1.75E-07	2.57E-05	3.24E-05	9.99E-05	9.25E-06	6.41E-06	1.48E-04
3125	476363.09	3846377.25	0.00694	0.00305	0.0015	0.00203	2.81E-05	9.10E-05	9.25E-06	6.41E-06	1.35E-04	2.55E-05	9.83E-11	1.23E-07	1.75E-07	2.58E-05	3.25E-05	9.10E-05	9.25E-06	6.41E-06	1.39E-04
3126	476863.09	3846377.25	0.00647	0.00265	0.0015	0.002	2.62E-05	7.91E-05	9.70E-06	6.31E-06	1.21E-04	2.38E-05	8.54E-11	1.29E-07	1.72E-07	2.41E-05	3.03E-05	7.91E-05	9.70E-06	6.31E-06	1.25E-04
3127	477363.09	3846377.25	0.006	0.00243	0.0017	0.002	2.43E-05	7.25E-05	1.09E-05	6.31E-06	1.14E-04	2.21E-05	7.83E-11	1.45E-07	1.72E-07	2.24E-05	2.81E-05	7.25E-05	1.09E-05	6.31E-06	1.18E-04
3128	477863.09	3846377.25	0.0042	0.00229	0.002	0.00201	1.70E-05	6.83E-05	1.24E-05	6.35E-06	1.04E-04	1.54E-05	7.38E-11	1.66E-07	1.73E-07	1.58E-05	1.96E-05	6.83E-05	1.24E-05	6.35E-06	1.07E-04
3129	478363.09	3846377.25	0.00399	0.00217	0.0021	0.00203	1.61E-05	6.47E-05	1.31E-05	6.41E-06	1.00E-04	1.47E-05	6.99E-11	1.74E-07	1.75E-07	1.50E-05	1.87E-05	6.47E-05	1.31E-05	6.41E-06	1.03E-04
3130	478863.09	3846377.25	0.0042	0.00209	0.002	0.00204	1.70E-05	6.24E-05	1.26E-05	6.44E-06	9.83E-05	1.54E-05	6.74E-11	1.68E-07	1.76E-07	1.58E-05	1.96E-05	6.24E-05	1.26E-05	6.44E-06	1.01E-04
3131	479363.09	3846377.25	0.00367	0.00197	0.0018	0.00206	1.48E-05	5.88E-05	1.15E-05	6.50E-06	9.17E-05	1.35E-05	6.35E-11	1.54E-07	1.77E-07	1.38E-05	1.72E-05	5.88E-05	1.15E-05	6.50E-06	9.40E-05
3132	479863.09	3846377.25	0.0034	0.00186	0.0017	0.00211	1.37E-05	5.55E-05	1.11E-05	6.66E-06	8.70E-05	1.25E-05	5.99E-11	1.48E-07	1.82E-07	1.28E-05	1.59E-05	5.55E-05	1.11E-05	6.66E-06	8.92E-05
3133	480363.09	3846377.25	0.00354	0.00189	0.0017	0.0022	1.43E-05	5.64E-05	1.10E-05	6.95E-06	8.87E-05	1.30E-05	6.09E-11	1.47E-07	1.89E-07	1.34E-05	1.66E-05	5.64E-05	1.10E-05	6.95E-06	9.09E-05
3134	480863.09	3846377.25	0.00288	0.00169	0.0017	0.00226	1.16E-05	5.04E-05	1.09E-05	7.14E-06	8.01E-05	1.06E-05	5.45E-11	1.45E-07	1.95E-07	1.09E-05	1.35E-05	5.04E-05	1.09E-05	7.14E-06	8.19E-05
3135	481363.09	3846377.25	0.00256	0.00158	0.0018	0.0023	1.03E-05	4.71E-05	1.12E-05	7.26E-06	7.60E-05	9.41E-06	5.09E-11	1.50E-07	1.98E-07	9.76E-06	1.20E-05	4.71E-05	1.12E-05	7.26E-06	7.76E-05
3136	481863.09	3846377.25	0.0022	0.0015	0.0019	0.00226	8.89E-06	4.48E-05	1.18E-05	7.14E-06	7.26E-05	8.09E-06	4.83E-11	1.57E-07	1.95E-07	8.44E-06	1.03E-05	4.48E-05	1.18E-05	7.14E-06	7.40E-05
3137	482363.09	3846377.25	0.00207	0.00139	0.002	0.0022	8.37E-06	4.15E-05	1.26E-05	6.95E-06	6.94E-05	7.61E-06	4.48E-11	1.68E-07	1.89E-07	7.97E-06	9.68E-06	4.15E-05	1.26E-05	6.95E-06	7.07E-05
3138	482863.09	3846377.25	0.00175	0.00127	0.0021	0.00217	7.07E-06	3.79E-05	1.33E-05	6.85E-06	6.51E-05	6.43E-06	4.09E-11	1.78E-07	1.87E-07	6.80E-06	8.18E-06	3.79E-05	1.33E-05	6.85E-06	6.63E-05
3139	483363.09	3846377.25	0.0018	0.00127	0.0023	0.00219	7.28E-06	3.79E-05	1.44E-05	6.91E-06	6.65E-05	6.62E-06	4.09E-11	1.92E-07	1.89E-07	7.00E-06	8.42E-06	3.79E-05	1.44E-05	6.91E-06	6.76E-05
3140	483863.09	3846377.25	0.00176	0.00124	0.0025	0.00221	7.11E-06	3.70E-05	1.58E-05	6.98E-06	6.69E-05	6.47E-06	4.00E-11	2.11E-07	1.90E-07	6.87E-06	8.23E-06	3.70E-05	1.58E-05	6.98E-06	6.80E-05
3141	484363.09	3846377.25	0.0016	0.00117	0.0026	0.00221	6.47E-06	3.49E-05	1.67E-05	6.98E-06	6.51E-05	5.88E-06	3.77E-11	2.23E-07	1.90E-07	6.30E-06	7.48E-06	3.49E-05	1.67E-05	6.98E-06	6.61E-05
3142	484863.09	3846377.25	0.00171	0.0012	0.0027	0.00222	6.91E-06	3.58E-05	1.72E-05	7.01E-06	6.69E-05	6.29E-06	3.87E-11	2.30E-07	1.91E-07	6.71E-06	8.00E-06	3.58E-05	1.72E-05	7.01E-06	6.80E-05
3143	485363.09	3846377.25	0.00167	0.00118	0.0025	0.0022	6.75E-06	3.52E-05	1.62E-05	6.95E-06	6.51E-05	6.14E-06	3.80E-11	2.16E-07	1.89E-07	6.55E-06	7.81E-06	3.52E-05	1.62E-05	6.95E-06	6.62E-05
3144	485863.09	3846377.25	0.00149	0.00112	0.0022	0.00215	6.02E-06	3.34E-05	1.38E-05	6.79E-06	6.01E-05	5.48E-06	3.61E-11	1.85E-07	1.85E-07	5.85E-06	6.97E-06	3.34E-05	1.38E-05	6.79E-06	6.10E-05
3145	486363.09	3846377.25	0.00128	0.00105	0.0019	0.00208	5.17E-06	3.13E-05	1.21E-05	6.57E-06	5.51E-05	4.71E-06	3.38E-11	1.61E-07	1.79E-07	5.05E-06	5.99E-06	3.13E-05	1.21E-05	6.57E-06	5.59E-05
3146	486863.09	3846377.25	0.00122	0.00103	0.0017	0.00205	4.93E-06	3.07E-05	1.08E-05	6.47E-06	5.30E-05	4.49E-06	3.32E-11	1.45E-07	1.77E-07	4.81E-06	5.71E-06	3.07E-05	1.08E-05	6.47E-06	5.37E-05
3147	487363.09	3846377.25	0.00123	0.001	0.0016	0.00208	4.97E-06	2.98E-05	1.03E-05	6.57E-06	5.17E-05	4.52E-06	3.22E-11	1.38E-07	1.79E-07	4.84E-06	5.75E-06	2.98E-05	1.03E-05	6.57E-06	5.25E-05
3148	487863.09	3846377.25	0.00132	0.00103	0.0017	0.00213	5.34E-06	3.07E-05	1.07E-05	6.73E-06	5.34E-05	4.85E-06	3.32E-11	1.42E-07	1.83E-07	5.18E-06	6.17E-06	3.07E-05	1.07E-05	6.73E-06	5.43E-05
3149	488363.09	3846377.25	0.00131	0.00102	0.0018	0.00215	5.30E-06	3.04E-05	1.17E-05	6.79E-06	5.43E-05	4.82E-06	3.29E-11	1.56E-07	1.85E-07	5.16E-06	6.13E-06	3.04E-05	1.17E-05	6.79E-06	5.51E-05
3150	488863.09	3846377.25	0.00127	0.00101	0.0021	0.00216	5.13E-06	3.01E-05	1.31E-05	6.82E-06	5.52E-05	4.67E-06	3.26E-11	1.75E-07	1.86E-07	5.03E-06	5.94E-06	3.01E-05	1.31E-05	6.82E-06	5.60E-05
3151	489363.09	3846377.25	0.00128	0.00099	0.0023	0.00217	5.17E-06	2.95E-05	1.44E-05	6.85E-06	5.60E-05	4.71E-06	3.19E-11	1.92E-07	1.87E-07	5.09E-06	5.99E-06	2.95E-05	1.44E-05	6.85E-06	5.68E-05
3152	489863.09	3846377.25	0.00126	0.001	0.0022	0.00217	5.09E-06	2.98E-05	1.37E-05	6.85E-06	5.55E-05	4.63E-06	3.22E-11	1.83E-07	1.87E-07	5.00E-06	5.89E-06	2.98E-05	1.37E-05	6.85E-06	5.63E-05
3153	490363.09	3846377.25	0.00114	0.00094	0.0018	0.0021	4.61E-06	2.80E-05	1.17E-05	6.63E-06	5.10E-05	4.19E-06	3.03E-11	1.56E-07	1.81E-07	4.53E-06	5.33E-06	2.80E-05	1.17E-05	6.63E-06	5.17E-05
3154	490863.09	3846377.25	0.00111	0.00093	0.0018	0.0021	4.49E-06	2.77E-05	1.12E-05	6.63E-06	5.01E-05	4.08E-06	3.00E-11	1.50E-07	1.81E-07	4.41E-06	5.19E-06	2.77E-05	1.12E-05	6.63E-06	5.08E-05
3155	491363.09	3846377.25	0.00113	0.00094	0.0018	0.00214	4.57E-06	2.80E-05	1.13E-05	6.76E-06	5.07E-05	4.15E-06	3.03E-11	1.51E-07	1.84E-07	4.49E-06	5.28E-06	2.80E-05	1.13E-05	6.76E-06	5.14E-05
3156	491863.09	3846377.25	0.00129	0.00103	0.002	0.00228	5.21E-06	3.07E-05	1.24E-05	7.20E-06	5.56E-05	4.74E-06	3.32E-11	1.66E-07	1.96E-07	5.10E-06	6.03E-06	3.07E-05	1.24E-05	7.20E-06	5.64E-05
3157	492363.09	3846377.25	0.00133	0.00105	0.002	0.00234	5.38E-06	3.13E-05	1.24E-05	7.39E-06	5.65E-05	4.89E-06	3.38E-11	1.66E-07	2.01E-07	5.26E-06	6.22E-06	3.13E-05	1.24E-05	7.39E-06	5.74E-05
3158	492863.09	3846377.25	0.00139	0.00108	0.0019	0.00243	5.62E-06	3.22E-05	1.23E-05	7.67E-06	5.78E-05	5.11E-06	3.48E-11	1.64E-07	2.09E-07	5.48E-06	6.50E-06	3.22E-05	1.23E-05	7.67E-06	5.87E-05
3159	493363.09	3846377.25	0.00152	0.00114	0.0019	0.00254	6.14E-06	3.40E-05	1.22E-05	8.02E-06	6.04E-05	5.59E-06	3.67E-11	1.63E-07	2.19E-07	5.97E-06	7.11E-06	3.40E-05	1.22E-05	8.02E-06	6.14E-05
3160	493863.09	3846377.25	0.00164	0.00118	0.0019	0.00263	6.63E-06	3.52E-05	1.19E-05	8.30E-06	6.20E-05	6.03E-06	3.80E-11	1.58E-07	2.26E-07	6.41E-06	7.67E-06	3.52E-05	1.19E-05	8.30E-06	6.30E-05
3161	494363.09	3846377.25	0.00176	0.00121	0.0019	0.0027	7.11E-06	3.61E-05	1.18E-05	8.52E-06	6.35E-05	6.47E-06	3.90E-11	1.57E-07	2.32E-07	6.86E-06	8.23E-06	3.61E-05	1.18E-05	8.52E-06	6.47E-05
3162	494863.09	3846377.25	0.00187	0.00127	0.0019	0.00277	7.56E-06	3.79E-05	1.23E-05	8.75E-06	6.65E-05	6.88E-06	4.09E-11	1.64E-07	2.39E-07	7.28E-06	8.75E-06	3.79E-05	1.23E-05	8.75E-06	6.77E-05
3163	495363.09	3846377.25	0.00196	0.00134	0.002	0.00283	7.92E-06	4.00E-05	1.25E-05	8.94E-06	6.93E-05	7.21E-06	4.32E-11	1.67E-07	2.44E-07	7.62E-06	9.17E-06	4.00E-05	1.25E-05	8.94E-06	7.06E-05
3164	495863.09	3846377.25	0.00206	0.00143	0.002	0.00292	8.33E-06	4.27E-05	1.28E-05	9.22E-06	7.30E-05	7.57E-06	4.61E-11	1.71E-07	2.51E-07	8.00E-06	9.63E-06	4.27E-05	1.28E-05	9.22E-06	7.43E-05
3165	496363.09	3846377.25	0.00216	0.00152	0.0022	0.003	8.73E-06	4.53E-05	1.37E-05	9.47E-06	7.73E-05	7.94E-06	4.90E-11	1.83E-07	2.58E-07	8.38E-06	1.01E-05	4.53E-05	1.37E-05	9.47E-06	7.86E-05
3166	496863.09	3846377.25	0.0023	0.0016	0.0024	0.00309	9.30E-06	4.77E-05	1.52E-05	9.76E-06	8.20E-05	8.46E-06	5.16E-11	2.02E-07	2.66E-07	8.92E-06	1.08E-05	4.77E-05	1.52E-05	9.76E-06	8.34E-05
3167	497363.09	3846377.25	0.00245	0.00169	0.0027	0.00318	9.90E-06	5.04E-05	1.70E-05	1.00E-05	8.74E-05	9.01E-06	5.45E-11	2.27E-07	2.74E-07	9.51E-06	1.15E-05	5.04E-05	1.70E-05	1.00E-05	8.89E-05
3168	497863.09	3846377.25	0.0026	0.00177	0.003	0.00329	1.05E-05	5.28E-05	1.88E-05	1.04E-05	9.25E-05	9.56E-06	5.70E-11	2.51E-07	2.83E-07	1.01E-05	1.22E-05	5.28E-05	1.88E-05	1.04E-05	9.42E-05

3169	498363.09	3846377.25	0.00274	0.00187	0.0032	0.0034	1.11E-05	5.58E-05	2.02E-05	1.07E-05	9.78E-05	1.01E-05	6.03E-11	2.69E-07	2.93E-07	1.06E-05	1.28E-05	5.58E-05	2.02E-05	1.07E-05	9.95E-05
3170	471363.09	3846877.25	0.00562	0.00366	0.0015	0.00199	2.27E-05	1.09E-04	9.25E-06	6.28E-06	1.47E-04	2.07E-05	1.18E-10	1.23E-07	1.71E-07	2.10E-05	2.63E-05	1.09E-04	9.25E-06	6.28E-06	1.51E-04
3171	471863.09	3846877.25	0.00553	0.00355	0.0015	0.00202	2.24E-05	1.06E-04	9.31E-06	6.38E-06	1.44E-04	2.03E-05	1.14E-10	1.24E-07	1.74E-07	2.06E-05	2.59E-05	1.06E-04	9.31E-06	6.38E-06	1.47E-04
3172	472363.09	3846877.25	0.00532	0.00317	0.0015	0.00203	2.15E-05	9.46E-05	9.38E-06	6.41E-06	1.32E-04	1.96E-05	1.02E-10	1.25E-07	1.75E-07	1.99E-05	2.49E-05	9.46E-05	9.38E-06	6.41E-06	1.35E-04
3173	472863.09	3846877.25	0.00393	0.00209	0.0014	0.00196	1.59E-05	6.24E-05	8.87E-06	6.19E-06	9.33E-05	1.44E-05	6.74E-11	1.18E-07	1.69E-07	1.47E-05	1.84E-05	6.24E-05	8.87E-06	6.19E-06	9.58E-05
3174	473363.09	3846877.25	0.0042	0.00228	0.0015	0.00195	1.70E-05	6.80E-05	9.31E-06	6.16E-06	1.00E-04	1.54E-05	7.35E-11	1.24E-07	1.68E-07	1.57E-05	1.96E-05	6.80E-05	9.31E-06	6.16E-06	1.03E-04
3175	473863.09	3846877.25	0.00447	0.00266	0.0015	0.00194	1.81E-05	7.94E-05	9.76E-06	6.13E-06	1.13E-04	1.64E-05	8.57E-11	1.30E-07	1.67E-07	1.67E-05	2.09E-05	7.94E-05	9.76E-06	6.13E-06	1.16E-04
3176	474363.09	3846877.25	0.00416	0.003	0.0016	0.00191	1.68E-05	8.95E-05	9.95E-06	6.03E-06	1.22E-04	1.53E-05	9.67E-11	1.33E-07	1.64E-07	1.56E-05	1.95E-05	8.95E-05	9.95E-06	6.03E-06	1.25E-04
3177	474863.09	3846877.25	0.00408	0.00333	0.0016	0.0019	1.65E-05	9.93E-05	1.00E-05	6.00E-06	1.32E-04	1.50E-05	1.07E-10	1.34E-07	1.64E-07	1.53E-05	1.91E-05	9.93E-05	1.00E-05	6.00E-06	1.34E-04
3178	475363.09	3846877.25	0.00444	0.00341	0.0016	0.00193	1.79E-05	1.02E-04	9.89E-06	6.09E-06	1.36E-04	1.63E-05	1.10E-10	1.32E-07	1.66E-07	1.66E-05	2.08E-05	1.02E-04	9.89E-06	6.09E-06	1.38E-04
3179	475863.09	3846877.25	0.00552	0.00367	0.0015	0.00204	2.23E-05	1.09E-04	9.76E-06	6.44E-06	1.48E-04	2.03E-05	1.18E-10	1.30E-07	1.76E-07	2.06E-05	2.58E-05	1.09E-04	9.76E-06	6.44E-06	1.52E-04
3180	476363.09	3846877.25	0.00755	0.0036	0.0015	0.00214	3.05E-05	1.07E-04	9.70E-06	6.76E-06	1.54E-04	2.78E-05	1.16E-10	1.29E-07	1.84E-07	2.81E-05	3.53E-05	1.07E-04	9.70E-06	6.76E-06	1.59E-04
3181	476863.09	3846877.25	0.00762	0.00329	0.0015	0.00213	3.08E-05	9.82E-05	9.70E-06	6.73E-06	1.45E-04	2.80E-05	1.06E-10	1.29E-07	1.83E-07	2.83E-05	3.56E-05	9.82E-05	9.70E-06	6.73E-06	1.50E-04
3182	477363.09	3846877.25	0.00724	0.00283	0.0016	0.00211	2.93E-05	8.44E-05	1.02E-05	6.66E-06	1.31E-04	2.66E-05	9.12E-11	1.36E-07	1.82E-07	2.69E-05	3.39E-05	8.44E-05	1.02E-05	6.66E-06	1.35E-04
3183	477863.09	3846877.25	0.0063	0.00261	0.0018	0.00212	2.55E-05	7.79E-05	1.17E-05	6.69E-06	1.22E-04	2.32E-05	8.41E-11	1.56E-07	1.83E-07	2.35E-05	2.95E-05	7.79E-05	1.17E-05	6.69E-06	1.26E-04
3184	478363.09	3846877.25	0.0046	0.00252	0.0022	0.00215	1.86E-05	7.52E-05	1.37E-05	6.79E-06	1.14E-04	1.69E-05	8.12E-11	1.83E-07	1.85E-07	1.73E-05	2.15E-05	7.52E-05	1.37E-05	6.79E-06	1.17E-04
3185	478863.09	3846877.25	0.00487	0.00248	0.0023	0.00217	1.97E-05	7.40E-05	1.47E-05	6.85E-06	1.15E-04	1.79E-05	7.99E-11	1.96E-07	1.87E-07	1.83E-05	2.28E-05	7.40E-05	1.47E-05	6.85E-06	1.18E-04
3186	479363.09	3846877.25	0.00457	0.00224	0.0021	0.00217	1.85E-05	6.68E-05	1.32E-05	6.85E-06	1.05E-04	1.68E-05	7.22E-11	1.76E-07	1.87E-07	1.72E-05	2.14E-05	6.68E-05	1.32E-05	6.85E-06	1.08E-04
3187	479863.09	3846877.25	0.00343	0.0019	0.0018	0.00216	1.39E-05	5.67E-05	1.16E-05	6.82E-06	8.90E-05	1.26E-05	6.12E-11	1.55E-07	1.86E-07	1.30E-05	1.60E-05	5.67E-05	1.16E-05	6.82E-06	9.12E-05
3188	480363.09	3846877.25	0.00301	0.00176	0.0018	0.00223	1.22E-05	5.25E-05	1.12E-05	7.04E-06	8.29E-05	1.11E-05	5.67E-11	1.49E-07	1.92E-07	1.14E-05	1.41E-05	5.25E-05	1.12E-05	7.04E-06	8.48E-05
3189	480863.09	3846877.25	0.00284	0.00168	0.0017	0.00231	1.15E-05	5.01E-05	1.10E-05	7.29E-06	7.99E-05	1.04E-05	5.41E-11	1.47E-07	1.99E-07	1.08E-05	1.33E-05	5.01E-05	1.10E-05	7.29E-06	8.17E-05
3190	481363.09	3846877.25	0.00277	0.00166	0.0018	0.00238	1.12E-05	4.95E-05	1.14E-05	7.51E-06	7.96E-05	1.02E-05	5.35E-11	1.51E-07	2.05E-07	1.05E-05	1.30E-05	4.95E-05	1.14E-05	7.51E-06	8.13E-05
3191	481863.09	3846877.25	0.00247	0.00162	0.0019	0.00237	9.98E-06	4.83E-05	1.19E-05	7.48E-06	7.77E-05	9.08E-06	5.22E-11	1.59E-07	2.04E-07	9.44E-06	1.16E-05	4.83E-05	1.19E-05	7.48E-06	7.93E-05
3192	482363.09	3846877.25	0.0022	0.00147	0.002	0.00231	8.89E-06	4.39E-05	1.27E-05	7.29E-06	7.27E-05	8.09E-06	4.74E-11	1.69E-07	1.99E-07	8.46E-06	1.03E-05	4.39E-05	1.27E-05	7.29E-06	7.41E-05
3193	482863.09	3846877.25	0.00216	0.00143	0.0021	0.00228	8.73E-06	4.27E-05	1.37E-05	7.20E-06	7.22E-05	7.94E-06	4.61E-11	1.82E-07	1.96E-07	8.32E-06	1.01E-05	4.27E-05	1.37E-05	7.20E-06	7.36E-05
3194	483363.09	3846877.25	0.0021	0.00139	0.0023	0.00229	8.49E-06	4.15E-05	1.48E-05	7.23E-06	7.20E-05	7.72E-06	4.48E-11	1.97E-07	1.97E-07	8.12E-06	9.82E-06	4.15E-05	1.48E-05	7.23E-06	7.33E-05
3195	483863.09	3846877.25	0.00205	0.00136	0.0025	0.00232	8.29E-06	4.06E-05	1.60E-05	7.33E-06	7.22E-05	7.54E-06	4.38E-11	2.13E-07	2.00E-07	7.95E-06	9.59E-06	4.06E-05	1.60E-05	7.33E-06	7.35E-05
3196	484363.09	3846877.25	0.00195	0.00134	0.0027	0.00234	7.88E-06	4.00E-05	1.74E-05	7.39E-06	7.27E-05	7.17E-06	4.32E-11	2.32E-07	2.01E-07	7.60E-06	9.12E-06	4.00E-05	1.74E-05	7.39E-06	7.39E-05
3197	484863.09	3846877.25	0.00189	0.0013	0.0028	0.00234	7.64E-06	3.88E-05	1.81E-05	7.39E-06	7.19E-05	6.95E-06	4.19E-11	2.42E-07	2.01E-07	7.39E-06	8.84E-06	3.88E-05	1.81E-05	7.39E-06	7.31E-05
3198	485363.09	3846877.25	0.00186	0.00128	0.0027	0.00232	7.52E-06	3.82E-05	1.74E-05	7.33E-06	7.04E-05	6.84E-06	4.13E-11	2.32E-07	2.00E-07	7.27E-06	8.70E-06	3.82E-05	1.74E-05	7.33E-06	7.16E-05
3199	485863.09	3846877.25	0.00167	0.00123	0.0024	0.00227	6.75E-06	3.67E-05	1.51E-05	7.17E-06	6.57E-05	6.14E-06	3.96E-11	2.01E-07	1.95E-07	6.54E-06	7.81E-06	3.67E-05	1.51E-05	7.17E-06	6.67E-05
3200	486363.09	3846877.25	0.00167	0.00126	0.0021	0.00225	6.75E-06	3.76E-05	1.35E-05	7.10E-06	6.49E-05	6.14E-06	4.06E-11	1.79E-07	1.94E-07	6.51E-06	7.81E-06	3.76E-05	1.35E-05	7.10E-06	6.60E-05
3201	486863.09	3846877.25	0.00147	0.00117	0.0019	0.00221	5.94E-06	3.49E-05	1.21E-05	6.98E-06	5.99E-05	5.40E-06	3.77E-11	1.61E-07	1.90E-07	5.76E-06	6.87E-06	3.49E-05	1.21E-05	6.98E-06	6.08E-05
3202	487363.09	3846877.25	0.00148	0.00114	0.0018	0.00223	5.98E-06	3.40E-05	1.13E-05	7.04E-06	5.83E-05	5.44E-06	3.67E-11	1.51E-07	1.92E-07	5.78E-06	6.92E-06	3.40E-05	1.13E-05	7.04E-06	5.93E-05
3203	487863.09	3846877.25	0.00147	0.00111	0.0018	0.00224	5.94E-06	3.31E-05	1.15E-05	7.07E-06	5.76E-05	5.40E-06	3.58E-11	1.53E-07	1.93E-07	5.75E-06	6.87E-06	3.31E-05	1.15E-05	7.07E-06	5.85E-05
3204	488363.09	3846877.25	0.00142	0.0011	0.0019	0.00226	5.74E-06	3.28E-05	1.23E-05	7.14E-06	5.80E-05	5.22E-06	3.55E-11	1.64E-07	1.95E-07	5.58E-06	6.64E-06	3.28E-05	1.23E-05	7.14E-06	5.89E-05
3205	488863.09	3846877.25	0.0014	0.00109	0.0022	0.00229	5.66E-06	3.25E-05	1.38E-05	7.23E-06	5.92E-05	5.15E-06	3.51E-11	1.85E-07	1.97E-07	5.53E-06	6.55E-06	3.25E-05	1.38E-05	7.23E-06	6.01E-05
3206	489363.09	3846877.25	0.00143	0.00109	0.0024	0.00231	5.78E-06	3.25E-05	1.52E-05	7.29E-06	6.08E-05	5.26E-06	3.51E-11	2.02E-07	1.99E-07	5.66E-06	6.69E-06	3.25E-05	1.52E-05	7.29E-06	6.17E-05
3207	489863.09	3846877.25	0.00139	0.0011	0.0024	0.00232	5.62E-06	3.28E-05	1.56E-05	7.33E-06	6.13E-05	5.11E-06	3.55E-11	2.08E-07	2.00E-07	5.52E-06	6.50E-06	3.28E-05	1.56E-05	7.33E-06	6.22E-05
3208	490363.09	3846877.25	0.00127	0.00105	0.0021	0.00229	5.13E-06	3.13E-05	1.37E-05	7.23E-06	5.73E-05	4.67E-06	3.38E-11	1.82E-07	1.97E-07	5.05E-06	5.94E-06	3.13E-05	1.37E-05	7.23E-06	5.81E-05
3209	490863.09	3846877.25	0.00127	0.00104	0.002	0.0023	5.13E-06	3.10E-05	1.28E-05	7.26E-06	5.62E-05	4.67E-06	3.35E-11	1.71E-07	1.98E-07	5.04E-06	5.94E-06	3.10E-05	1.28E-05	7.26E-06	5.70E-05
3210	491363.09	3846877.25	0.00134	0.00107	0.002	0.00237	5.42E-06	3.19E-05	1.27E-05	7.48E-06	5.75E-05	4.93E-06	3.45E-11	1.69E-07	2.04E-07	5.30E-06	6.27E-06	3.19E-05	1.27E-05	7.48E-06	5.84E-05
3211	491863.09	3846877.25	0.00138	0.00108	0.002	0.00242	5.58E-06	3.22E-05	1.28E-05	7.64E-06	5.82E-05	5.07E-06	3.48E-11	1.70E-07	2.08E-07	5.45E-06	6.45E-06	3.22E-05	1.28E-05	7.64E-06	5.91E-05
3212	492363.09	3846877.25	0.00154	0.00118	0.0021	0.00258	6.22E-06	3.52E-05	1.36E-05	8.15E-06	6.32E-05	5.66E-06	3.80E-11	1.81E-07	2.22E-07	6.07E-06	7.20E-06	3.52E-05	1.36E-05	8.15E-06	6.41E-05
3213	492863.09	3846877.25	0.00161	0.00121	0.0021	0.00267	6.51E-06	3.61E-05	1.32E-05	8.43E-06	6.42E-05	5.92E-06	3.90E-11	1.76E-07	2.30E-07	6.33E-06	7.53E-06	3.61E-05	1.32E-05	8.43E-06	6.53E-05
3214	493363.09	3846877.25	0.00175	0.00126	0.002	0.00277	7.07E-06	3.76E-05	1.28E-05	8.75E-06	6.62E-05	6.43E-06	4.06E-11	1.70E-07	2.39E-07	6.84E-06	8.18E-06	3.76E-05	1.28E-05	8.75E-06	6.73E-05
3215	493863.09	3846877.25	0.00186	0.00129	0.002	0.00284	7.52E-06	3.85E-05	1.26E-05	8.97E-06	6.76E-05	6.84E-06	4.16E-11	1.68E-07	2.45E-07	7.25E-06	8.70E-06	3.85E-05	1.26E-05	8.97E-06	6.88E-05
3216	494363.09	3846877.25	0.00197	0.00133	0.002	0.00291	7.96E-06	3.97E-05	1.27E-05	9.19E-06	6.95E-05	7.24E-06	4.29E-11	1.69E-07	2.51E-07	7.66E-06	9.21E-06	3.97E-05	1.27E-05	9.19E-06	7.08E-05
3217	494863.09	3846877.25	0.00206	0.0014	0.002	0.00297	8.33E-06	4.18E-05	1.29E-05	9.38E-06	7.24E-05	7.57E-06	4.51E-11	1.73E-07	2.56E-07	8.00E-06	9.63E-06	4.18E-05	1.29E-05	9.38E-06	7.37E-05
3218	495363.09	3846877.25	0.00213	0.00148	0.0021	0.00305	8.61E-06	4.42E-05	1.32E-05	9.63E-06	7.56E-05	7.83E-06	4.77E-11	1.76E-07	2.63E-07	8.27E-06	9.96E-06	4.42E-05	1.32E-05	9.63E-06	7.69E-05
3219	495863.09	3846877.25	0.00222	0.00156	0.0022	0.00314	8.97E-06	4.65E-05	1.39E-05	9.91E-06	7.93E-05	8.16E-06	5.03E-11	1.85E-07	2.70E-07	8.62E-06	1.04E-05	4.65E-05	1.39E-05	9.91E-06	8.07E-05
3220	496363.09	3846877.25	0.00237	0.00165	0.0024	0.00324	9.58E-06	4.92E-05	1.54E-05	1.02E-05	8.44E-05	8.71E-06	5.32E-11	2.05E-07	2.79E-07	9.20E-06	1.11E-05	4.92E-05	1.54E-05	1.02E-05	8.59E-05
3221	496863.09	3846877.25	0.00257	0.00175	0.0027	0.00335	1.04E-05	5.22E-05	1.72E-05	1.06E-05	9.03E-05	9.45E-06	5.64E-11	2.29E-07	2.88E-07	9.97E-06	1.20E-05	5.22E-05	1.72E-05	1.06E-05	9.20E-05
3222	497363.09	3846877.25	0.00282	0.00189	0.003	0.00348	1.14E-05	5.64E-05	1.93E-05	1.10E-05	9.81E-05	1.04E-05	6.09E-11	2.58E-07	3.00E-07	1.09E-05	1.32E-05	5.64E-05	1.93E-05	1.10E-05	9.99E-05
3223	497863.09	3846877.25	0.00308	0.00203	0.0034	0.0036	1.24E-05	6.06E-05	2.17E-05	1.14E-05	1.06E-04	1.13E-05	6.54E-11	2.89E-07	3.10E-07	1.19E-05	1.44E-05	6.06E-05	2.17E-05	1.14E-05	1.08E-04
3224	498363.09	3846877.25	0.00323	0.00212	0.0036	0.00372	1.31E-05	6.32E-05	2.30E-05	1.17E-05	1.11E-04	1.19E-05	6.83E-11	3.07E-07	3.20E-07	1.25E-05	1.51E-05	6.32E-05	2.30E-05	1.17E-05	1.13E-04
3225	471363.09	3847377.25	0.00598	0.00395	0.0016	0.00205	2.42E-05	1.18E-04	1.00E-05	6.47E-06	1.59E-04	2.20E-05	1.27E-10	1.34E-07	1.77E-07	2.23E-05	2.80E-05	1.18E-04	1.00E-05	6.47E-06	1.62E-04
3226	471863.09	3847377.25	0.00612	0.00398	0.0015	0.00208	2.47E-05	1.19E-04	9.76E-06	6.57E-06	1.60E-04	2.25E-05	1.28E-10	1.30E-07	1.79E-07	2.28E-05	2.86E-05	1.19E-04	9.76E-06	6.57E-06	1.64E-04
3227	472363.09	3847377.25	0.00611	0.00388	0.0015	0.00211	2.47E-05	1.16E-04	9.70E-06	6.66E-06	1.57E-04	2.25E-05	1.25E-10	1.29E-07	1.82E-07	2.28E-05	2.86E-05	1.16E-04	9.70E-06	6.66E-06	1.61E-04
3228	472863.09	3847377.25	0.00587	0.0035	0.0015	0.00212	2.37E-05	1.04E-04	9.70E-06	6.69E-06	1.45E-04	2.16E-05	1.13E-10	1.29E-07	1.83E-07	2.19E-05	2.75E-05	1.04E-04	9.70E-06	6.69E-06	1.48E-04
3229	473363.09	3847377.25	0.0051	0.00267	0.0015	0.00208	2.06E-05	7.97E-05	9.50E-06	6.57E-06	1.16E-04	1.88E-05	8.61E-11	1.27E-07	1.79E-07	1.91E-05	2.39E-05	7.97E-05	9.50E-06	6.57E-06	1.20E-04

3230	473863.09	3847377.25	0.00504	0.00269	0.0015	0.00206	2.04E-05	8.03E-05	9.76E-06	6.50E-06	1.17E-04	1.85E-05	8.67E-11	1.30E-07	1.77E-07	1.88E-05	2.36E-05	8.03E-05	9.76E-06	6.50E-06	1.20E-04
3231	474363.09	3847377.25	0.0052	0.0031	0.0016	0.00204	2.10E-05	9.25E-05	1.02E-05	6.44E-06	1.30E-04	1.91E-05	9.99E-11	1.36E-07	1.76E-07	1.94E-05	2.43E-05	9.25E-05	1.02E-05	6.44E-06	1.33E-04
3232	474863.09	3847377.25	0.00479	0.00335	0.0016	0.00201	1.94E-05	9.99E-05	1.04E-05	6.35E-06	1.36E-04	1.76E-05	1.08E-10	1.39E-07	1.73E-07	1.79E-05	2.24E-05	9.99E-05	1.04E-05	6.35E-06	1.39E-04
3233	475363.09	3847377.25	0.00438	0.0035	0.0016	0.00199	1.77E-05	1.04E-04	1.04E-05	6.28E-06	1.39E-04	1.61E-05	1.13E-10	1.39E-07	1.71E-07	1.64E-05	2.05E-05	1.04E-04	1.04E-05	6.28E-06	1.42E-04
3234	475863.09	3847377.25	0.0051	0.00403	0.0016	0.00205	2.06E-05	1.20E-04	1.04E-05	6.47E-06	1.58E-04	1.88E-05	1.30E-10	1.39E-07	1.77E-07	1.91E-05	2.39E-05	1.20E-04	1.04E-05	6.47E-06	1.61E-04
3235	476363.09	3847377.25	0.0065	0.0044	0.0016	0.0022	2.63E-05	1.31E-04	1.03E-05	6.95E-06	1.75E-04	2.39E-05	1.42E-10	1.38E-07	1.89E-07	2.42E-05	3.04E-05	1.31E-04	1.03E-05	6.95E-06	1.79E-04
3236	476863.09	3847377.25	0.00836	0.00393	0.0016	0.00226	3.38E-05	1.17E-04	1.01E-05	7.14E-06	1.68E-04	3.07E-05	1.27E-10	1.35E-07	1.95E-07	3.11E-05	3.91E-05	1.17E-04	1.01E-05	7.14E-06	1.74E-04
3237	477363.09	3847377.25	0.00865	0.00362	0.0016	0.00225	3.50E-05	1.08E-04	1.02E-05	7.10E-06	1.60E-04	3.18E-05	1.17E-10	1.36E-07	1.94E-07	3.21E-05	4.05E-05	1.08E-04	1.02E-05	7.10E-06	1.66E-04
3238	477863.09	3847377.25	0.00807	0.0031	0.0017	0.00224	3.26E-05	9.25E-05	1.08E-05	7.07E-06	1.43E-04	2.97E-05	9.99E-11	1.44E-07	1.93E-07	3.00E-05	3.77E-05	9.25E-05	1.08E-05	7.07E-06	1.48E-04
3239	478363.09	3847377.25	0.0069	0.00299	0.002	0.00229	2.79E-05	8.92E-05	1.28E-05	7.23E-06	1.37E-04	2.54E-05	9.64E-11	1.70E-07	1.97E-07	2.57E-05	3.23E-05	8.92E-05	1.28E-05	7.23E-06	1.41E-04
3240	478863.09	3847377.25	0.00537	0.00295	0.0027	0.00248	2.17E-05	8.80E-05	1.73E-05	7.83E-06	1.35E-04	1.97E-05	9.51E-11	2.31E-07	2.14E-07	2.02E-05	2.51E-05	8.80E-05	1.73E-05	7.83E-06	1.38E-04
3241	479363.09	3847377.25	0.0049	0.00235	0.0025	0.00229	1.98E-05	7.01E-05	1.58E-05	7.23E-06	1.13E-04	1.80E-05	7.57E-11	2.11E-07	1.97E-07	1.84E-05	2.29E-05	7.01E-05	1.58E-05	7.23E-06	1.16E-04
3242	479863.09	3847377.25	0.0035	0.00188	0.002	0.00223	1.41E-05	5.61E-05	1.26E-05	7.04E-06	8.98E-05	1.29E-05	6.06E-11	1.68E-07	1.92E-07	1.32E-05	1.64E-05	5.61E-05	1.26E-05	7.04E-06	9.21E-05
3243	480363.09	3847377.25	0.00236	0.00158	0.0018	0.00227	9.54E-06	4.71E-05	1.14E-05	7.17E-06	7.53E-05	8.68E-06	5.09E-11	1.52E-07	1.95E-07	9.02E-06	1.10E-05	4.71E-05	1.14E-05	7.17E-06	7.68E-05
3244	480863.09	3847377.25	0.00222	0.0015	0.0018	0.00233	8.97E-06	4.48E-05	1.12E-05	7.36E-06	7.23E-05	8.16E-06	4.83E-11	1.50E-07	2.01E-07	8.51E-06	1.04E-05	4.48E-05	1.12E-05	7.36E-06	7.37E-05
3245	481363.09	3847377.25	0.00242	0.00155	0.0018	0.00242	9.78E-06	4.62E-05	1.14E-05	7.64E-06	7.50E-05	8.90E-06	5.00E-11	1.51E-07	2.08E-07	9.26E-06	1.13E-05	4.62E-05	1.14E-05	7.64E-06	7.66E-05
3246	481863.09	3847377.25	0.00281	0.00174	0.0019	0.00249	1.14E-05	5.19E-05	1.21E-05	7.86E-06	8.32E-05	1.03E-05	5.61E-11	1.61E-07	2.14E-07	1.07E-05	1.31E-05	5.19E-05	1.21E-05	7.86E-06	8.50E-05
3247	482363.09	3847377.25	0.0026	0.00168	0.002	0.00245	1.05E-05	5.01E-05	1.28E-05	7.74E-06	8.12E-05	9.56E-06	5.41E-11	1.71E-07	2.11E-07	9.94E-06	1.22E-05	5.01E-05	1.28E-05	7.74E-06	8.28E-05
3248	482863.09	3847377.25	0.00248	0.00159	0.0022	0.00241	1.00E-05	4.74E-05	1.38E-05	7.61E-06	7.89E-05	9.12E-06	5.12E-11	1.85E-07	2.08E-07	9.51E-06	1.16E-05	4.74E-05	1.38E-05	7.61E-06	8.05E-05
3249	483363.09	3847377.25	0.00235	0.00151	0.0023	0.0024	9.50E-06	4.50E-05	1.49E-05	7.58E-06	7.71E-05	8.64E-06	4.87E-11	1.99E-07	2.07E-07	9.05E-06	1.10E-05	4.50E-05	1.49E-05	7.58E-06	7.85E-05
3250	483863.09	3847377.25	0.00235	0.00148	0.0026	0.00243	9.50E-06	4.42E-05	1.66E-05	7.67E-06	7.79E-05	8.64E-06	4.77E-11	2.21E-07	2.09E-07	9.07E-06	1.10E-05	4.42E-05	1.66E-05	7.67E-06	7.94E-05
3251	484363.09	3847377.25	0.0023	0.00149	0.003	0.00247	9.30E-06	4.45E-05	1.89E-05	7.80E-06	8.04E-05	8.46E-06	4.80E-11	2.52E-07	2.13E-07	8.92E-06	1.08E-05	4.45E-05	1.89E-05	7.80E-06	8.19E-05
3252	484863.09	3847377.25	0.0022	0.00144	0.0032	0.00248	8.89E-06	4.30E-05	2.01E-05	7.83E-06	7.98E-05	8.09E-06	4.64E-11	2.68E-07	2.14E-07	8.57E-06	1.03E-05	4.30E-05	2.01E-05	7.83E-06	8.12E-05
3253	485363.09	3847377.25	0.00213	0.00141	0.003	0.00246	8.61E-06	4.21E-05	1.93E-05	7.77E-06	7.77E-05	7.83E-06	4.54E-11	2.57E-07	2.12E-07	8.30E-06	9.96E-06	4.21E-05	1.93E-05	7.77E-06	7.91E-05
3254	485863.09	3847377.25	0.002	0.00138	0.0027	0.00242	8.08E-06	4.12E-05	1.71E-05	7.64E-06	7.40E-05	7.35E-06	4.45E-11	2.28E-07	2.08E-07	7.79E-06	9.35E-06	4.12E-05	1.71E-05	7.64E-06	7.53E-05
3255	486363.09	3847377.25	0.00192	0.0014	0.0023	0.00239	7.76E-06	4.18E-05	1.45E-05	7.55E-06	7.16E-05	7.06E-06	4.51E-11	1.94E-07	2.06E-07	7.46E-06	8.98E-06	4.18E-05	1.45E-05	7.55E-06	7.28E-05
3256	486863.09	3847377.25	0.00176	0.00133	0.0021	0.00237	7.11E-06	3.97E-05	1.31E-05	7.48E-06	6.74E-05	6.47E-06	4.29E-11	1.74E-07	2.04E-07	6.85E-06	8.23E-06	3.97E-05	1.31E-05	7.48E-06	6.85E-05
3257	487363.09	3847377.25	0.00176	0.0013	0.0019	0.00239	7.11E-06	3.88E-05	1.21E-05	7.55E-06	6.56E-05	6.47E-06	4.19E-11	1.62E-07	2.06E-07	6.84E-06	8.23E-06	3.88E-05	1.21E-05	7.55E-06	6.67E-05
3258	487863.09	3847377.25	0.00165	0.00122	0.0019	0.00239	6.67E-06	3.64E-05	1.21E-05	7.55E-06	6.27E-05	6.07E-06	3.93E-11	1.62E-07	2.06E-07	6.43E-06	7.72E-06	3.64E-05	1.21E-05	7.55E-06	6.38E-05
3259	488363.09	3847377.25	0.00159	0.0012	0.0021	0.00241	6.43E-06	3.58E-05	1.35E-05	7.61E-06	6.34E-05	5.85E-06	3.87E-11	1.80E-07	2.08E-07	6.23E-06	7.44E-06	3.58E-05	1.35E-05	7.61E-06	6.44E-05
3260	488863.09	3847377.25	0.00158	0.0012	0.0024	0.00244	6.39E-06	3.58E-05	1.54E-05	7.70E-06	6.53E-05	5.81E-06	3.87E-11	2.05E-07	2.10E-07	6.22E-06	7.39E-06	3.58E-05	1.54E-05	7.70E-06	6.63E-05
3261	489363.09	3847377.25	0.0016	0.0012	0.0026	0.00246	6.47E-06	3.58E-05	1.68E-05	7.77E-06	6.68E-05	5.88E-06	3.87E-11	2.24E-07	2.12E-07	6.32E-06	7.48E-06	3.58E-05	1.68E-05	7.77E-06	6.78E-05
3262	489863.09	3847377.25	0.00152	0.0012	0.0025	0.00248	6.14E-06	3.58E-05	1.62E-05	7.83E-06	6.60E-05	5.59E-06	3.87E-11	2.16E-07	2.14E-07	6.02E-06	7.11E-06	3.58E-05	1.62E-05	7.83E-06	6.69E-05
3263	490363.09	3847377.25	0.00145	0.00117	0.0023	0.0025	5.86E-06	3.49E-05	1.47E-05	7.89E-06	6.33E-05	5.33E-06	3.77E-11	1.96E-07	2.15E-07	5.74E-06	6.78E-06	3.49E-05	1.47E-05	7.89E-06	6.43E-05
3264	490863.09	3847377.25	0.00151	0.00119	0.0023	0.00256	6.10E-06	3.55E-05	1.44E-05	8.08E-06	6.40E-05	5.55E-06	3.84E-11	1.91E-07	2.20E-07	5.96E-06	7.06E-06	3.55E-05	1.44E-05	8.08E-06	6.50E-05
3265	491363.09	3847377.25	0.00158	0.00121	0.0022	0.00262	6.39E-06	3.61E-05	1.42E-05	8.27E-06	6.50E-05	5.81E-06	3.90E-11	1.90E-07	2.26E-07	6.22E-06	7.39E-06	3.61E-05	1.42E-05	8.27E-06	6.60E-05
3266	491863.09	3847377.25	0.00172	0.00128	0.0024	0.00273	6.95E-06	3.82E-05	1.50E-05	8.62E-06	6.87E-05	6.32E-06	4.13E-11	2.00E-07	2.35E-07	6.76E-06	8.04E-06	3.82E-05	1.50E-05	8.62E-06	6.98E-05
3267	492363.09	3847377.25	0.00176	0.0013	0.0023	0.00281	7.11E-06	3.88E-05	1.47E-05	8.87E-06	6.94E-05	6.47E-06	4.19E-11	1.96E-07	2.42E-07	6.91E-06	8.23E-06	3.88E-05	1.47E-05	8.87E-06	7.06E-05
3268	492863.09	3847377.25	0.00189	0.00135	0.0022	0.00292	7.64E-06	4.03E-05	1.42E-05	9.22E-06	7.14E-05	6.95E-06	4.35E-11	1.90E-07	2.51E-07	7.39E-06	8.84E-06	4.03E-05	1.42E-05	9.22E-06	7.26E-05
3269	493363.09	3847377.25	0.002	0.00138	0.0021	0.00301	8.08E-06	4.12E-05	1.35E-05	9.50E-06	7.22E-05	7.35E-06	4.45E-11	1.79E-07	2.59E-07	7.79E-06	9.35E-06	4.12E-05	1.35E-05	9.50E-06	7.35E-05
3270	493863.09	3847377.25	0.00207	0.0014	0.0021	0.00307	8.37E-06	4.18E-05	1.31E-05	9.69E-06	7.30E-05	7.61E-06	4.51E-11	1.75E-07	2.64E-07	8.05E-06	9.68E-06	4.18E-05	1.31E-05	9.69E-06	7.43E-05
3271	494363.09	3847377.25	0.00213	0.00145	0.0021	0.00312	8.61E-06	4.33E-05	1.33E-05	9.85E-06	7.50E-05	7.83E-06	4.67E-11	1.77E-07	2.69E-07	8.28E-06	9.96E-06	4.33E-05	1.33E-05	9.85E-06	7.63E-05
3272	494863.09	3847377.25	0.00219	0.00152	0.0021	0.00319	8.85E-06	4.53E-05	1.35E-05	1.01E-05	7.78E-05	8.05E-06	4.90E-11	1.80E-07	2.75E-07	8.51E-06	1.02E-05	4.53E-05	1.35E-05	1.01E-05	7.92E-05
3273	495363.09	3847377.25	0.00228	0.0016	0.0022	0.00328	9.22E-06	4.77E-05	1.41E-05	1.04E-05	8.14E-05	8.38E-06	5.16E-11	1.88E-07	2.82E-07	8.85E-06	1.07E-05	4.77E-05	1.41E-05	1.04E-05	8.28E-05
3274	495863.09	3847377.25	0.00243	0.00169	0.0024	0.00339	9.82E-06	5.04E-05	1.55E-05	1.07E-05	8.64E-05	8.93E-06	5.45E-11	2.07E-07	2.92E-07	9.43E-06	1.14E-05	5.04E-05	1.55E-05	1.07E-05	8.80E-05
3275	496363.09	3847377.25	0.0026	0.00178	0.0027	0.0035	1.05E-05	5.31E-05	1.72E-05	1.11E-05	9.19E-05	9.56E-06	5.74E-11	2.30E-07	3.01E-07	1.01E-05	1.22E-05	5.31E-05	1.72E-05	1.11E-05	9.35E-05
3276	496863.09	3847377.25	0.00286	0.0019	0.003	0.00363	1.16E-05	5.67E-05	1.90E-05	1.15E-05	9.87E-05	1.05E-05	6.12E-11	2.53E-07	3.13E-07	1.11E-05	1.34E-05	5.67E-05	1.90E-05	1.15E-05	1.01E-04
3277	497363.09	3847377.25	0.00319	0.00208	0.0033	0.0038	1.29E-05	6.21E-05	2.13E-05	1.20E-05	1.08E-04	1.17E-05	6.70E-11	2.84E-07	3.27E-07	1.23E-05	1.49E-05	6.21E-05	2.13E-05	1.20E-05	1.10E-04
3278	497863.09	3847377.25	0.00362	0.0023	0.0038	0.00395	1.46E-05	6.86E-05	2.40E-05	1.25E-05	1.20E-04	1.33E-05	7.41E-11	3.21E-07	3.40E-07	1.40E-05	1.69E-05	6.86E-05	2.40E-05	1.25E-05	1.22E-04
3279	498363.09	3847377.25	0.00389	0.00242	0.004	0.00408	1.57E-05	7.22E-05	2.55E-05	1.29E-05	1.26E-04	1.43E-05	7.80E-11	3.39E-07	3.51E-07	1.50E-05	1.82E-05	7.22E-05	2.55E-05	1.29E-05	1.29E-04
3280	471363.09	3847877.25	0.00662	0.00422	0.0017	0.00212	2.68E-05	1.26E-04	1.05E-05	6.69E-06	1.70E-04	2.43E-05	1.36E-10	1.40E-07	1.83E-07	2.47E-05	3.10E-05	1.26E-04	1.05E-05	6.69E-06	1.74E-04
3281	471863.09	3847877.25	0.00659	0.00432	0.0016	0.00214	2.66E-05	1.29E-04	1.05E-05	6.76E-06	1.73E-04	2.42E-05	1.39E-10	1.39E-07	1.84E-07	2.46E-05	3.08E-05	1.29E-04	1.05E-05	6.76E-06	1.77E-04
3282	472363.09	3847877.25	0.00667	0.00436	0.0016	0.00217	2.70E-05	1.30E-04	1.03E-05	6.85E-06	1.74E-04	2.45E-05	1.41E-10	1.37E-07	1.87E-07	2.48E-05	3.12E-05	1.30E-04	1.03E-05	6.85E-06	1.78E-04
3283	472863.09	3847877.25	0.00674	0.00426	0.0016	0.00219	2.72E-05	1.27E-04	1.01E-05	6.91E-06	1.71E-04	2.48E-05	1.37E-10	1.34E-07	1.89E-07	2.51E-05	3.15E-05	1.27E-04	1.01E-05	6.91E-06	1.76E-04
3284	473363.09	3847877.25	0.00669	0.00412	0.0016	0.00221	2.70E-05	1.23E-04	9.95E-06	6.98E-06	1.67E-04	2.46E-05	1.33E-10	1.33E-07	1.90E-07	2.49E-05	3.13E-05	1.23E-04	9.95E-06	6.98E-06	1.71E-04
3285	473863.09	3847877.25	0.00646	0.00369	0.0016	0.00222	2.61E-05	1.10E-04	1.01E-05	7.01E-06	1.53E-04	2.38E-05	1.19E-10	1.35E-07	1.91E-07	2.41E-05	3.02E-05	1.10E-04	1.01E-05	7.01E-06	1.57E-04
3286	474363.09	3847877.25	0.00581	0.00305	0.0016	0.00218	2.35E-05	9.10E-05	1.02E-05	6.88E-06	1.32E-04	2.14E-05	9.83E-11	1.36E-07	1.88E-07	2.17E-05	2.72E-05	9.10E-05	1.02E-05	6.88E-06	1.35E-04
3287	474863.09	3847877.25	0.00593	0.00352	0.0017	0.00216	2.40E-05	1.05E-04	1.06E-05	6.82E-06	1.46E-04	2.18E-05	1.13E-10	1.41E-07	1.86E-07	2.21E-05	2.77E-05	1.05E-04	1.06E-05	6.82E-06	1.50E-04
3288	475363.09	3847877.25	0.00548	0.0037	0.0017	0.00212	2.22E-05	1.10E-04	1.08E-05	6.69E-06	1.50E-04	2.01E-05	1.19E-10	1.45E-07	1.83E-07	2.05E-05	2.56E-05	1.10E-04	1.08E-05	6.69E-06	1.54E-04
3289	475863.09	3847877.25	0.00487	0.00383	0.0017	0.0021	1.97E-05	1.14E-04	1.08E-05	6.63E-06	1.51E-04	1.79E-05	1.23E-10	1.45E-07	1.81E-07	1.82E-05	2.28E-05	1.14E-04	1.08E-05	6.63E-06	1.55E-04
3290	476363.09	3847877.25	0.00589	0.00492	0.0017	0.0022	2.38E-05	1.47E-04	1.10E-05	6.95E-06	1.89E-04	2.17E-05	1.59E-10	1.46E-07	1.89E-07	2.20E-05	2.75E-05	1.47E-04	1.10E-05	6.95E-06	1.92E-04

3291	476863.09	3847877.25	0.00718	0.00481	0.0017	0.00234	2.90E-05	1.43E-04	1.08E-05	7.39E-06	1.91E-04	2.64E-05	1.55E-10	1.44E-07	2.01E-07	2.67E-05	3.36E-05	1.43E-04	1.08E-05	7.39E-06	1.95E-04
3292	477363.09	3847877.25	0.00952	0.00449	0.0017	0.0024	3.85E-05	1.34E-04	1.07E-05	7.58E-06	1.91E-04	3.50E-05	1.45E-10	1.42E-07	2.07E-07	3.53E-05	4.45E-05	1.34E-04	1.07E-05	7.58E-06	1.97E-04
3293	477863.09	3847877.25	0.00979	0.00394	0.0017	0.00239	3.96E-05	1.18E-04	1.07E-05	7.55E-06	1.75E-04	3.60E-05	1.27E-10	1.43E-07	2.06E-07	3.63E-05	4.58E-05	1.18E-04	1.07E-05	7.55E-06	1.82E-04
3294	478363.09	3847877.25	0.00917	0.00345	0.0018	0.00241	3.71E-05	1.03E-04	1.15E-05	7.61E-06	1.59E-04	3.37E-05	1.11E-10	1.53E-07	2.08E-07	3.41E-05	4.29E-05	1.03E-04	1.15E-05	7.61E-06	1.65E-04
3295	478863.09	3847877.25	0.00742	0.00329	0.0024	0.00265	3.00E-05	9.82E-05	1.50E-05	8.37E-06	1.52E-04	2.73E-05	1.06E-10	2.00E-07	2.28E-07	2.77E-05	3.47E-05	9.82E-05	1.50E-05	8.37E-06	1.56E-04
3296	479363.09	3847877.25	0.00468	0.00245	0.0024	0.00239	1.89E-05	7.31E-05	1.53E-05	7.55E-06	1.15E-04	1.72E-05	7.90E-11	2.04E-07	2.06E-07	1.76E-05	2.19E-05	7.31E-05	1.53E-05	7.55E-06	1.18E-04
3297	479863.09	3847877.25	0.00298	0.00174	0.0018	0.00229	1.20E-05	5.19E-05	1.17E-05	7.23E-06	8.29E-05	1.10E-05	5.61E-11	1.56E-07	1.97E-07	1.13E-05	1.39E-05	5.19E-05	1.17E-05	7.23E-06	8.47E-05
3298	480363.09	3847877.25	0.0029	0.00177	0.0019	0.00236	1.17E-05	5.28E-05	1.21E-05	7.45E-06	8.40E-05	1.07E-05	5.70E-11	1.61E-07	2.03E-07	1.10E-05	1.36E-05	5.28E-05	1.21E-05	7.45E-06	8.59E-05
3299	480863.09	3847877.25	0.00258	0.00168	0.0019	0.00244	1.04E-05	5.01E-05	1.19E-05	7.70E-06	8.02E-05	9.49E-06	5.41E-11	1.59E-07	2.10E-07	9.85E-06	1.21E-05	5.01E-05	1.19E-05	7.70E-06	8.18E-05
3300	481363.09	3847877.25	0.00267	0.00168	0.0019	0.00252	1.08E-05	5.01E-05	1.19E-05	7.96E-06	8.07E-05	9.82E-06	5.41E-11	1.58E-07	2.17E-07	1.02E-05	1.25E-05	5.01E-05	1.19E-05	7.96E-06	8.24E-05
3301	481863.09	3847877.25	0.00346	0.00197	0.002	0.00263	1.40E-05	5.88E-05	1.28E-05	8.30E-06	9.39E-05	1.27E-05	6.35E-11	1.71E-07	2.26E-07	1.31E-05	1.62E-05	5.88E-05	1.28E-05	8.30E-06	9.61E-05
3302	482363.09	3847877.25	0.00309	0.00189	0.0021	0.00259	1.25E-05	5.64E-05	1.31E-05	8.18E-06	9.02E-05	1.14E-05	6.09E-11	1.75E-07	2.23E-07	1.18E-05	1.45E-05	5.64E-05	1.31E-05	8.18E-06	9.22E-05
3303	482863.09	3847877.25	0.00279	0.00174	0.0022	0.00254	1.13E-05	5.19E-05	1.40E-05	8.02E-06	8.52E-05	1.03E-05	5.61E-11	1.86E-07	2.19E-07	1.07E-05	1.30E-05	5.19E-05	1.40E-05	8.02E-06	8.69E-05
3304	483363.09	3847877.25	0.00267	0.00168	0.0024	0.00254	1.08E-05	5.01E-05	1.51E-05	8.02E-06	8.40E-05	9.82E-06	5.41E-11	2.02E-07	2.19E-07	1.02E-05	1.25E-05	5.01E-05	1.51E-05	8.02E-06	8.57E-05
3305	483863.09	3847877.25	0.00275	0.00164	0.0026	0.00258	1.11E-05	4.89E-05	1.67E-05	8.15E-06	8.49E-05	1.01E-05	5.29E-11	2.23E-07	2.22E-07	1.06E-05	1.29E-05	4.89E-05	1.67E-05	8.15E-06	8.66E-05
3306	484363.09	3847877.25	0.00266	0.00164	0.003	0.00263	1.08E-05	4.89E-05	1.91E-05	8.30E-06	8.71E-05	9.78E-06	5.29E-11	2.54E-07	2.26E-07	1.03E-05	1.24E-05	4.89E-05	1.91E-05	8.30E-06	8.87E-05
3307	484863.09	3847877.25	0.00257	0.00162	0.0034	0.00265	1.04E-05	4.83E-05	2.14E-05	8.37E-06	8.85E-05	9.45E-06	5.22E-11	2.85E-07	2.28E-07	9.96E-06	1.20E-05	4.83E-05	2.14E-05	8.37E-06	9.01E-05
3308	485363.09	3847877.25	0.00257	0.00161	0.0034	0.00264	1.04E-05	4.80E-05	2.15E-05	8.34E-06	8.83E-05	9.45E-06	5.19E-11	2.87E-07	2.27E-07	9.96E-06	1.20E-05	4.80E-05	2.15E-05	8.34E-06	8.99E-05
3309	485863.09	3847877.25	0.00239	0.00157	0.0031	0.0026	9.66E-06	4.68E-05	1.96E-05	8.21E-06	8.43E-05	8.79E-06	5.06E-11	2.61E-07	2.24E-07	9.27E-06	1.12E-05	4.68E-05	1.96E-05	8.21E-06	8.58E-05
3310	486363.09	3847877.25	0.00214	0.00152	0.0025	0.00255	8.65E-06	4.53E-05	1.58E-05	8.05E-06	7.79E-05	7.87E-06	4.90E-11	2.11E-07	2.20E-07	8.30E-06	1.00E-05	4.53E-05	1.58E-05	8.05E-06	7.92E-05
3311	486863.09	3847877.25	0.00206	0.00149	0.0022	0.00253	8.33E-06	4.45E-05	1.41E-05	7.99E-06	7.49E-05	7.57E-06	4.80E-11	1.88E-07	2.18E-07	7.98E-06	9.63E-06	4.45E-05	1.41E-05	7.99E-06	7.62E-05
3312	487363.09	3847877.25	0.00198	0.00141	0.002	0.00255	8.00E-06	4.21E-05	1.29E-05	8.05E-06	7.10E-05	7.28E-06	4.54E-11	1.72E-07	2.20E-07	7.67E-06	9.26E-06	4.21E-05	1.29E-05	8.05E-06	7.23E-05
3313	487863.09	3847877.25	0.00187	0.00134	0.002	0.00255	7.56E-06	4.00E-05	1.28E-05	8.05E-06	6.84E-05	6.88E-06	4.32E-11	1.71E-07	2.20E-07	7.27E-06	8.75E-06	4.00E-05	1.28E-05	8.05E-06	6.96E-05
3314	488363.09	3847877.25	0.0018	0.00133	0.0022	0.00257	7.28E-06	3.97E-05	1.43E-05	8.11E-06	6.94E-05	6.62E-06	4.29E-11	1.91E-07	2.21E-07	7.03E-06	8.42E-06	3.97E-05	1.43E-05	8.11E-06	7.05E-05
3315	488863.09	3847877.25	0.00181	0.00135	0.0026	0.00261	7.32E-06	4.03E-05	1.63E-05	8.24E-06	7.21E-05	6.65E-06	4.35E-11	2.17E-07	2.25E-07	7.10E-06	8.46E-06	4.03E-05	1.63E-05	8.24E-06	7.32E-05
3316	489363.09	3847877.25	0.00181	0.00135	0.0028	0.00265	7.32E-06	4.03E-05	1.77E-05	8.37E-06	7.36E-05	6.65E-06	4.35E-11	2.36E-07	2.28E-07	7.12E-06	8.46E-06	4.03E-05	1.77E-05	8.37E-06	7.48E-05
3317	489863.09	3847877.25	0.00185	0.00141	0.0028	0.00271	7.48E-06	4.21E-05	1.76E-05	8.56E-06	7.57E-05	6.80E-06	4.54E-11	2.35E-07	2.33E-07	7.27E-06	8.65E-06	4.21E-05	1.76E-05	8.56E-06	7.69E-05
3318	490363.09	3847877.25	0.00186	0.00142	0.0026	0.00278	7.52E-06	4.24E-05	1.63E-05	8.78E-06	7.50E-05	6.84E-06	4.58E-11	2.18E-07	2.39E-07	7.30E-06	8.70E-06	4.24E-05	1.63E-05	8.78E-06	7.62E-05
3319	490863.09	3847877.25	0.00191	0.00142	0.0024	0.00284	7.72E-06	4.24E-05	1.56E-05	8.97E-06	7.46E-05	7.02E-06	4.58E-11	2.08E-07	2.45E-07	7.47E-06	8.93E-06	4.24E-05	1.56E-05	8.97E-06	7.58E-05
3320	491363.09	3847877.25	0.00192	0.00141	0.0025	0.0029	7.76E-06	4.21E-05	1.57E-05	9.16E-06	7.47E-05	7.06E-06	4.54E-11	2.09E-07	2.50E-07	7.52E-06	8.98E-06	4.21E-05	1.57E-05	9.16E-06	7.59E-05
3321	491863.09	3847877.25	0.002	0.00144	0.0025	0.00301	8.08E-06	4.30E-05	1.58E-05	9.50E-06	7.63E-05	7.35E-06	4.64E-11	2.10E-07	2.59E-07	7.82E-06	9.35E-06	4.30E-05	1.58E-05	9.50E-06	7.76E-05
3322	492363.09	3847877.25	0.0021	0.00148	0.0024	0.00314	8.49E-06	4.42E-05	1.54E-05	9.91E-06	7.80E-05	7.72E-06	4.77E-11	2.06E-07	2.70E-07	8.20E-06	9.82E-06	4.42E-05	1.54E-05	9.91E-06	7.93E-05
3323	492863.09	3847877.25	0.0022	0.0015	0.0023	0.00322	8.89E-06	4.48E-05	1.46E-05	1.02E-05	7.84E-05	8.09E-06	4.83E-11	1.95E-07	2.77E-07	8.56E-06	1.03E-05	4.48E-05	1.46E-05	1.02E-05	7.98E-05
3324	493363.09	3847877.25	0.0022	0.00149	0.0022	0.00324	8.89E-06	4.45E-05	1.38E-05	1.02E-05	7.74E-05	8.09E-06	4.80E-11	1.85E-07	2.79E-07	8.55E-06	1.03E-05	4.45E-05	1.38E-05	1.02E-05	7.88E-05
3325	493863.09	3847877.25	0.00222	0.00151	0.0021	0.0033	8.97E-06	4.50E-05	1.35E-05	1.04E-05	7.80E-05	8.16E-06	4.87E-11	1.80E-07	2.84E-07	8.63E-06	1.04E-05	4.50E-05	1.35E-05	1.04E-05	7.94E-05
3326	494363.09	3847877.25	0.00226	0.00157	0.0022	0.00337	9.14E-06	4.68E-05	1.37E-05	1.06E-05	8.03E-05	8.31E-06	5.06E-11	1.83E-07	2.90E-07	8.78E-06	1.06E-05	4.68E-05	1.37E-05	1.06E-05	8.18E-05
3327	494863.09	3847877.25	0.00236	0.00166	0.0022	0.00346	9.54E-06	4.95E-05	1.42E-05	1.09E-05	8.41E-05	8.68E-06	5.35E-11	1.89E-07	2.98E-07	9.16E-06	1.10E-05	4.95E-05	1.42E-05	1.09E-05	8.56E-05
3328	495363.09	3847877.25	0.00245	0.00172	0.0024	0.00353	9.90E-06	5.13E-05	1.53E-05	1.11E-05	8.77E-05	9.01E-06	5.54E-11	2.04E-07	3.04E-07	9.52E-06	1.15E-05	5.13E-05	1.53E-05	1.11E-05	8.92E-05
3329	495863.09	3847877.25	0.0024	0.00169	0.0025	0.00357	9.70E-06	5.04E-05	1.59E-05	1.13E-05	8.73E-05	8.82E-06	5.45E-11	2.12E-07	3.07E-07	9.34E-06	1.12E-05	5.04E-05	1.59E-05	1.13E-05	8.88E-05
3330	496363.09	3847877.25	0.00285	0.00192	0.003	0.0038	1.15E-05	5.73E-05	1.89E-05	1.20E-05	9.97E-05	1.05E-05	6.19E-11	2.53E-07	3.27E-07	1.11E-05	1.33E-05	5.73E-05	1.89E-05	1.20E-05	1.02E-04
3331	496863.09	3847877.25	0.00316	0.00207	0.0033	0.00395	1.28E-05	6.18E-05	2.09E-05	1.25E-05	1.08E-04	1.16E-05	6.67E-11	2.79E-07	3.40E-07	1.22E-05	1.48E-05	6.18E-05	2.09E-05	1.25E-05	1.10E-04
3332	497363.09	3847877.25	0.00355	0.00227	0.0036	0.00411	1.43E-05	6.77E-05	2.30E-05	1.30E-05	1.18E-04	1.31E-05	7.32E-11	3.07E-07	3.54E-07	1.37E-05	1.66E-05	6.77E-05	2.30E-05	1.30E-05	1.20E-04
3333	497863.09	3847877.25	0.00426	0.00261	0.0041	0.00432	1.72E-05	7.79E-05	2.64E-05	1.36E-05	1.35E-04	1.57E-05	8.41E-11	3.52E-07	3.72E-07	1.64E-05	1.99E-05	7.79E-05	2.64E-05	1.36E-05	1.38E-04
3334	498363.09	3847877.25	0.00467	0.00279	0.0044	0.00449	1.89E-05	8.32E-05	2.81E-05	1.42E-05	1.44E-04	1.72E-05	8.99E-11	3.74E-07	3.87E-07	1.79E-05	2.18E-05	8.32E-05	2.81E-05	1.42E-05	1.47E-04
3335	471363.09	3848377.25	0.00683	0.00458	0.0016	0.0022	2.76E-05	1.37E-04	1.04E-05	6.95E-06	1.82E-04	2.51E-05	1.48E-10	1.39E-07	1.89E-07	2.54E-05	3.19E-05	1.37E-04	1.04E-05	6.95E-06	1.86E-04
3336	471863.09	3848377.25	0.00724	0.0046	0.0017	0.00222	2.93E-05	1.37E-04	1.08E-05	7.01E-06	1.84E-04	2.66E-05	1.48E-10	1.44E-07	1.91E-07	2.70E-05	3.39E-05	1.37E-04	1.08E-05	7.01E-06	1.89E-04
3337	472363.09	3848377.25	0.0073	0.00463	0.0017	0.00225	2.95E-05	1.38E-04	1.09E-05	7.10E-06	1.86E-04	2.68E-05	1.49E-10	1.45E-07	1.94E-07	2.72E-05	3.41E-05	1.38E-04	1.09E-05	7.10E-06	1.90E-04
3338	472863.09	3848377.25	0.00732	0.00473	0.0017	0.00227	2.96E-05	1.41E-04	1.08E-05	7.17E-06	1.89E-04	2.69E-05	1.52E-10	1.45E-07	1.95E-07	2.73E-05	3.42E-05	1.41E-04	1.08E-05	7.17E-06	1.93E-04
3339	473363.09	3848377.25	0.0074	0.00466	0.0017	0.0023	2.99E-05	1.39E-04	1.06E-05	7.26E-06	1.87E-04	2.72E-05	1.50E-10	1.41E-07	1.98E-07	2.75E-05	3.46E-05	1.39E-04	1.06E-05	7.26E-06	1.91E-04
3340	473863.09	3848377.25	0.00743	0.00452	0.0016	0.00232	3.00E-05	1.35E-04	1.05E-05	7.33E-06	1.83E-04	2.73E-05	1.46E-10	1.39E-07	2.00E-07	2.77E-05	3.47E-05	1.35E-04	1.05E-05	7.33E-06	1.87E-04
3341	474363.09	3848377.25	0.00725	0.00417	0.0016	0.00233	2.93E-05	1.24E-04	1.05E-05	7.36E-06	1.72E-04	2.67E-05	1.34E-10	1.39E-07	2.01E-07	2.70E-05	3.39E-05	1.24E-04	1.05E-05	7.36E-06	1.76E-04
3342	474863.09	3848377.25	0.00671	0.00354	0.0017	0.0023	2.71E-05	1.06E-04	1.07E-05	7.26E-06	1.51E-04	2.47E-05	1.14E-10	1.42E-07	1.98E-07	2.50E-05	3.14E-05	1.06E-04	1.07E-05	7.26E-06	1.55E-04
3343	475363.09	3848377.25	0.00696	0.00428	0.0017	0.00228	2.81E-05	1.28E-04	1.10E-05	7.20E-06	1.74E-04	2.56E-05	1.38E-10	1.47E-07	1.96E-07	2.59E-05	3.25E-05	1.28E-04	1.10E-05	7.20E-06	1.78E-04
3344	475863.09	3848377.25	0.00643	0.00433	0.0018	0.00224	2.60E-05	1.29E-04	1.14E-05	7.07E-06	1.74E-04	2.36E-05	1.40E-10	1.51E-07	1.93E-07	2.40E-05	3.01E-05	1.29E-04	1.14E-05	7.07E-06	1.78E-04
3345	476363.09	3848377.25	0.00556	0.00426	0.0018	0.00223	2.25E-05	1.27E-04	1.14E-05	7.04E-06	1.68E-04	2.04E-05	1.37E-10	1.52E-07	1.92E-07	2.08E-05	2.60E-05	1.27E-04	1.14E-05	7.04E-06	1.72E-04
3346	476863.09	3848377.25	0.00663	0.00578	0.0018	0.00234	2.68E-05	1.72E-04	1.15E-05	7.39E-06	2.18E-04	2.44E-05	1.86E-10	1.53E-07	2.01E-07	2.47E-05	3.10E-05	1.72E-04	1.15E-05	7.39E-06	2.22E-04
3347	477363.09	3848377.25	0.00787	0.00519	0.0018	0.00248	3.18E-05	1.55E-04	1.13E-05	7.83E-06	2.06E-04	2.89E-05	1.67E-10	1.51E-07	2.14E-07	2.93E-05	3.68E-05	1.55E-04	1.13E-05	7.83E-06	2.11E-04
3348	477863.09	3848377.25	0.01061	0.00494	0.0018	0.00254	4.29E-05	1.47E-04	1.12E-05	8.02E-06	2.09E-04	3.90E-05	1.59E-10	1.49E-07	2.19E-07	3.94E-05	4.96E-05	1.47E-04	1.12E-05	8.02E-06	2.16E-04
3349	478363.09	3848377.25	0.0109	0.00418	0.0018	0.00253	4.41E-05	1.25E-04	1.12E-05	7.99E-06	1.88E-04	4.01E-05	1.35E-10	1.50E-07	2.18E-07	4.04E-05	5.10E-05	1.25E-04	1.12E-05	7.99E-06	1.95E-04
3350	478863.09	3848377.25	0.00978	0.00357	0.002	0.00272	3.95E-05	1.07E-04	1.26E-05	8.59E-06	1.67E-04	3.60E-05	1.15E-10	1.68E-07	2.34E-07	3.64E-05	4.57E-05	1.07E-04	1.26E-05	8.59E-06	1.73E-04
3351	479363.09	3848377.25	0.00606	0.00278	0.0023	0.00256	2.45E-05	8.29E-05	1.44E-05	8.08E-06	1.30E-04	2.23E-05	8.96E-11	1.91E-07	2.20E-07	2.27E-05	2.83E-05	8.29E-05	1.44E-05	8.08E-06	1.34E-04

3352	479863.09	3848377.25	0.00231	0.00153	0.0017	0.00234	9.34E-06	4.56E-05	1.11E-05	7.39E-06	7.35E-05	8.49E-06	4.93E-11	1.48E-07	2.01E-07	8.84E-06	1.08E-05	4.56E-05	1.11E-05	7.39E-06	7.49E-05
3353	480363.09	3848377.25	0.00307	0.00182	0.0019	0.00245	1.24E-05	5.43E-05	1.22E-05	7.74E-06	8.67E-05	1.13E-05	5.87E-11	1.63E-07	2.11E-07	1.17E-05	1.44E-05	5.43E-05	1.22E-05	7.74E-06	8.86E-05
3354	480863.09	3848377.25	0.004	0.00218	0.0021	0.00258	1.62E-05	6.50E-05	1.35E-05	8.15E-06	1.03E-04	1.47E-05	7.03E-11	1.79E-07	2.22E-07	1.51E-05	1.87E-05	6.50E-05	1.35E-05	8.15E-06	1.05E-04
3355	481363.09	3848377.25	0.0042	0.00219	0.002	0.0027	1.70E-05	6.53E-05	1.30E-05	8.52E-06	1.04E-04	1.54E-05	7.06E-11	1.73E-07	2.32E-07	1.58E-05	1.96E-05	6.53E-05	1.30E-05	8.52E-06	1.07E-04
3356	481863.09	3848377.25	0.00419	0.00221	0.0021	0.0028	1.69E-05	6.59E-05	1.36E-05	8.84E-06	1.05E-04	1.54E-05	7.12E-11	1.81E-07	2.41E-07	1.58E-05	1.96E-05	6.59E-05	1.36E-05	8.84E-06	1.08E-04
3357	482363.09	3848377.25	0.00395	0.00218	0.0022	0.00276	1.60E-05	6.50E-05	1.42E-05	8.71E-06	1.04E-04	1.45E-05	7.03E-11	1.89E-07	2.38E-07	1.49E-05	1.85E-05	6.50E-05	1.42E-05	8.71E-06	1.06E-04
3358	482863.09	3848377.25	0.00334	0.00197	0.0023	0.00269	1.35E-05	5.88E-05	1.44E-05	8.49E-06	9.51E-05	1.23E-05	6.35E-11	1.91E-07	2.32E-07	1.27E-05	1.56E-05	5.88E-05	1.44E-05	8.49E-06	9.72E-05
3359	483363.09	3848377.25	0.00326	0.00192	0.0024	0.00268	1.32E-05	5.73E-05	1.54E-05	8.46E-06	9.43E-05	1.20E-05	6.19E-11	2.05E-07	2.31E-07	1.24E-05	1.52E-05	5.73E-05	1.54E-05	8.46E-06	9.64E-05
3360	483863.09	3848377.25	0.00311	0.00179	0.0026	0.00271	1.26E-05	5.34E-05	1.68E-05	8.56E-06	9.13E-05	1.14E-05	5.77E-11	2.24E-07	2.33E-07	1.19E-05	1.45E-05	5.34E-05	1.68E-05	8.56E-06	9.33E-05
3361	484363.09	3848377.25	0.00296	0.00175	0.003	0.00277	1.20E-05	5.22E-05	1.90E-05	8.75E-06	9.19E-05	1.09E-05	5.64E-11	2.53E-07	2.39E-07	1.14E-05	1.38E-05	5.22E-05	1.90E-05	8.75E-06	9.38E-05
3362	484863.09	3848377.25	0.00312	0.00185	0.0035	0.00283	1.26E-05	5.52E-05	2.22E-05	8.94E-06	9.89E-05	1.15E-05	5.96E-11	2.96E-07	2.44E-07	1.20E-05	1.46E-05	5.52E-05	2.22E-05	8.94E-06	1.01E-04
3363	485363.09	3848377.25	0.00302	0.0018	0.0037	0.00282	1.22E-05	5.37E-05	2.33E-05	8.90E-06	9.82E-05	1.11E-05	5.80E-11	3.11E-07	2.43E-07	1.17E-05	1.41E-05	5.37E-05	2.33E-05	8.90E-06	1.00E-04
3364	485863.09	3848377.25	0.00275	0.00172	0.0034	0.00277	1.11E-05	5.13E-05	2.16E-05	8.75E-06	9.28E-05	1.01E-05	5.54E-11	2.88E-07	2.39E-07	1.06E-05	1.29E-05	5.13E-05	2.16E-05	8.75E-06	9.45E-05
3365	486363.09	3848377.25	0.0025	0.00169	0.0028	0.00272	1.01E-05	5.04E-05	1.77E-05	8.59E-06	8.68E-05	9.19E-06	5.45E-11	2.36E-07	2.34E-07	9.66E-06	1.17E-05	5.04E-05	1.77E-05	8.59E-06	8.84E-05
3366	486863.09	3848377.25	0.00241	0.00166	0.0024	0.0027	9.74E-06	4.95E-05	1.52E-05	8.52E-06	8.30E-05	8.86E-06	5.35E-11	2.02E-07	2.32E-07	9.30E-06	1.13E-05	4.95E-05	1.52E-05	8.52E-06	8.45E-05
3367	487363.09	3848377.25	0.00218	0.00152	0.0021	0.0027	8.81E-06	4.53E-05	1.37E-05	8.52E-06	7.63E-05	8.01E-06	4.90E-11	1.82E-07	2.32E-07	8.43E-06	1.02E-05	4.53E-05	1.37E-05	8.52E-06	7.77E-05
3368	487863.09	3848377.25	0.0021	0.00148	0.0021	0.00272	8.49E-06	4.42E-05	1.35E-05	8.59E-06	7.48E-05	7.72E-06	4.77E-11	1.80E-07	2.34E-07	8.14E-06	9.82E-06	4.42E-05	1.35E-05	8.59E-06	7.61E-05
3369	488363.09	3848377.25	0.00206	0.00149	0.0024	0.00275	8.33E-06	4.45E-05	1.51E-05	8.68E-06	7.66E-05	7.57E-06	4.80E-11	2.02E-07	2.37E-07	8.01E-06	9.63E-06	4.45E-05	1.51E-05	8.68E-06	7.79E-05
3370	488863.09	3848377.25	0.00206	0.00149	0.0027	0.0028	8.33E-06	4.45E-05	1.72E-05	8.84E-06	7.88E-05	7.57E-06	4.80E-11	2.30E-07	2.41E-07	8.04E-06	9.63E-06	4.45E-05	1.72E-05	8.84E-06	8.01E-05
3371	489363.09	3848377.25	0.00208	0.00151	0.0029	0.00285	8.41E-06	4.50E-05	1.86E-05	9.00E-06	8.11E-05	7.65E-06	4.87E-11	2.48E-07	2.45E-07	8.14E-06	9.73E-06	4.50E-05	1.86E-05	9.00E-06	8.24E-05
3372	489863.09	3848377.25	0.00217	0.0016	0.0029	0.00295	8.77E-06	4.77E-05	1.85E-05	9.31E-06	8.43E-05	7.98E-06	5.16E-11	2.47E-07	2.54E-07	8.48E-06	1.01E-05	4.77E-05	1.85E-05	9.31E-06	8.57E-05
3373	490363.09	3848377.25	0.00225	0.0016	0.0027	0.00303	9.09E-06	4.77E-05	1.73E-05	9.57E-06	8.37E-05	8.27E-06	5.16E-11	2.31E-07	2.61E-07	8.76E-06	1.05E-05	4.77E-05	1.73E-05	9.57E-06	8.52E-05
3374	490863.09	3848377.25	0.00225	0.00159	0.0026	0.00311	9.09E-06	4.74E-05	1.68E-05	9.82E-06	8.31E-05	8.27E-06	5.12E-11	2.24E-07	2.68E-07	8.76E-06	1.05E-05	4.74E-05	1.68E-05	9.82E-06	8.46E-05
3375	491363.09	3848377.25	0.00229	0.00161	0.0027	0.00321	9.26E-06	4.80E-05	1.71E-05	1.01E-05	8.45E-05	8.42E-06	5.19E-11	2.28E-07	2.76E-07	8.92E-06	1.07E-05	4.80E-05	1.71E-05	1.01E-05	8.60E-05
3376	491863.09	3848377.25	0.00235	0.00163	0.0026	0.00333	9.50E-06	4.86E-05	1.68E-05	1.05E-05	8.54E-05	8.64E-06	5.25E-11	2.24E-07	2.87E-07	9.15E-06	1.10E-05	4.86E-05	1.68E-05	1.05E-05	8.69E-05
3377	492363.09	3848377.25	0.00235	0.00161	0.0025	0.00342	9.50E-06	4.80E-05	1.58E-05	1.08E-05	8.41E-05	8.64E-06	5.19E-11	2.11E-07	2.94E-07	9.15E-06	1.10E-05	4.80E-05	1.58E-05	1.08E-05	8.56E-05
3378	492863.09	3848377.25	0.00232	0.00159	0.0023	0.00344	9.38E-06	4.74E-05	1.47E-05	1.09E-05	8.24E-05	8.53E-06	5.12E-11	1.96E-07	2.96E-07	9.02E-06	1.08E-05	4.74E-05	1.47E-05	1.09E-05	8.39E-05
3379	493363.09	3848377.25	0.00237	0.00161	0.0022	0.0035	9.58E-06	4.80E-05	1.39E-05	1.11E-05	8.26E-05	8.71E-06	5.19E-11	1.85E-07	3.01E-07	9.20E-06	1.11E-05	4.80E-05	1.39E-05	1.11E-05	8.41E-05
3380	493863.09	3848377.25	0.0024	0.00165	0.0022	0.00355	9.70E-06	4.92E-05	1.42E-05	1.12E-05	8.44E-05	8.82E-06	5.32E-11	1.90E-07	3.06E-07	9.32E-06	1.12E-05	4.92E-05	1.42E-05	1.12E-05	8.59E-05
3381	494363.09	3848377.25	0.00246	0.00172	0.0022	0.00363	9.94E-06	5.13E-05	1.42E-05	1.15E-05	8.69E-05	9.04E-06	5.54E-11	1.89E-07	3.13E-07	9.55E-06	1.15E-05	5.13E-05	1.42E-05	1.15E-05	8.84E-05
3382	494863.09	3848377.25	0.00263	0.00182	0.0024	0.00375	1.06E-05	5.43E-05	1.50E-05	1.18E-05	9.18E-05	9.67E-06	5.87E-11	2.00E-07	3.23E-07	1.02E-05	1.23E-05	5.43E-05	1.50E-05	1.18E-05	9.34E-05
3383	495363.09	3848377.25	0.00265	0.00183	0.0026	0.00383	1.07E-05	5.46E-05	1.64E-05	1.21E-05	9.38E-05	9.74E-06	5.90E-11	2.19E-07	3.30E-07	1.03E-05	1.24E-05	5.46E-05	1.64E-05	1.21E-05	9.55E-05
3384	495863.09	3848377.25	0.00281	0.00191	0.0028	0.00394	1.14E-05	5.70E-05	1.81E-05	1.24E-05	9.88E-05	1.03E-05	6.16E-11	2.41E-07	3.39E-07	1.09E-05	1.31E-05	5.70E-05	1.81E-05	1.24E-05	1.01E-04
3385	496363.09	3848377.25	0.00315	0.00208	0.0032	0.00412	1.27E-05	6.21E-05	2.05E-05	1.30E-05	1.08E-04	1.16E-05	6.70E-11	2.74E-07	3.55E-07	1.22E-05	1.47E-05	6.21E-05	2.05E-05	1.30E-05	1.10E-04
3386	496863.09	3848377.25	0.00329	0.00217	0.0035	0.00423	1.33E-05	6.47E-05	2.20E-05	1.34E-05	1.13E-04	1.21E-05	6.99E-11	2.93E-07	3.64E-07	1.28E-05	1.54E-05	6.47E-05	2.20E-05	1.34E-05	1.15E-04
3387	497363.09	3848377.25	0.00382	0.00242	0.0039	0.00444	1.54E-05	7.22E-05	2.46E-05	1.40E-05	1.26E-04	1.40E-05	7.80E-11	3.28E-07	3.82E-07	1.48E-05	1.79E-05	7.22E-05	2.46E-05	1.40E-05	1.29E-04
3388	497863.09	3848377.25	0.00518	0.00303	0.0046	0.00478	2.09E-05	9.04E-05	2.91E-05	1.51E-05	1.56E-04	1.90E-05	9.77E-11	3.89E-07	4.12E-07	1.98E-05	2.42E-05	9.04E-05	2.91E-05	1.51E-05	1.59E-04
3389	498363.09	3848377.25	0.00558	0.00317	0.0046	0.00491	2.26E-05	9.46E-05	2.95E-05	1.55E-05	1.62E-04	2.05E-05	1.02E-10	3.94E-07	4.23E-07	2.13E-05	2.61E-05	9.46E-05	2.95E-05	1.55E-05	1.66E-04
3390	471363.09	3848877.25	0.00624	0.00487	0.0016	0.00229	2.52E-05	1.45E-04	9.95E-06	7.23E-06	1.88E-04	2.29E-05	1.57E-10	1.33E-07	1.97E-07	2.33E-05	2.92E-05	1.45E-04	9.95E-06	7.23E-06	1.92E-04
3391	471863.09	3848877.25	0.00693	0.00503	0.0016	0.00231	2.80E-05	1.50E-04	1.05E-05	7.29E-06	1.96E-04	2.55E-05	1.62E-10	1.39E-07	1.99E-07	2.58E-05	3.24E-05	1.50E-04	1.05E-05	7.29E-06	2.00E-04
3392	472363.09	3848877.25	0.00763	0.00507	0.0017	0.00234	3.08E-05	1.51E-04	1.09E-05	7.39E-06	2.00E-04	2.81E-05	1.63E-10	1.45E-07	2.01E-07	2.84E-05	3.57E-05	1.51E-04	1.09E-05	7.39E-06	2.05E-04
3393	472863.09	3848877.25	0.00805	0.00507	0.0018	0.00236	3.25E-05	1.51E-04	1.13E-05	7.45E-06	2.03E-04	2.96E-05	1.63E-10	1.51E-07	2.03E-07	2.99E-05	3.76E-05	1.51E-04	1.13E-05	7.45E-06	2.08E-04
3394	473363.09	3848877.25	0.00816	0.0052	0.0018	0.00239	3.30E-05	1.55E-04	1.14E-05	7.55E-06	2.07E-04	3.00E-05	1.68E-10	1.51E-07	2.06E-07	3.04E-05	3.82E-05	1.55E-04	1.14E-05	7.55E-06	2.12E-04
3395	473863.09	3848877.25	0.0082	0.00516	0.0018	0.00242	3.31E-05	1.54E-04	1.12E-05	7.64E-06	2.06E-04	3.01E-05	1.66E-10	1.50E-07	2.08E-07	3.05E-05	3.83E-05	1.54E-04	1.12E-05	7.64E-06	2.11E-04
3396	474363.09	3848877.25	0.00828	0.00508	0.0017	0.00244	3.35E-05	1.52E-04	1.10E-05	7.70E-06	2.04E-04	3.04E-05	1.64E-10	1.47E-07	2.10E-07	3.08E-05	3.87E-05	1.52E-04	1.10E-05	7.70E-06	2.09E-04
3397	474863.09	3848877.25	0.00808	0.0045	0.0017	0.00246	3.27E-05	1.34E-04	1.10E-05	7.77E-06	1.86E-04	2.97E-05	1.45E-10	1.46E-07	2.12E-07	3.01E-05	3.78E-05	1.34E-04	1.10E-05	7.77E-06	1.91E-04
3398	475363.09	3848877.25	0.00786	0.0043	0.0017	0.00245	3.18E-05	1.28E-04	1.11E-05	7.74E-06	1.79E-04	2.89E-05	1.39E-10	1.48E-07	2.11E-07	2.93E-05	3.68E-05	1.28E-04	1.11E-05	7.74E-06	1.84E-04
3399	475863.09	3848877.25	0.00796	0.00497	0.0018	0.00242	3.22E-05	1.48E-04	1.14E-05	7.64E-06	2.00E-04	2.93E-05	1.60E-10	1.52E-07	2.08E-07	2.96E-05	3.72E-05	1.48E-04	1.14E-05	7.64E-06	2.05E-04
3400	476363.09	3848877.25	0.0076	0.00531	0.0019	0.00239	3.07E-05	1.58E-04	1.18E-05	7.55E-06	2.08E-04	2.79E-05	1.71E-10	1.57E-07	2.06E-07	2.83E-05	3.55E-05	1.58E-04	1.18E-05	7.55E-06	2.13E-04
3401	476863.09	3848877.25	0.00686	0.00541	0.0019	0.00239	2.77E-05	1.61E-04	1.21E-05	7.55E-06	2.09E-04	2.52E-05	1.74E-10	1.61E-07	2.06E-07	2.56E-05	3.21E-05	1.61E-04	1.21E-05	7.55E-06	2.13E-04
3402	477363.09	3848877.25	0.00749	0.00687	0.0019	0.00248	3.03E-05	2.05E-04	1.21E-05	7.83E-06	2.55E-04	2.75E-05	2.21E-10	1.61E-07	2.14E-07	2.79E-05	3.50E-05	2.05E-04	1.21E-05	7.83E-06	2.60E-04
3403	477863.09	3848877.25	0.0089	0.00597	0.0019	0.00263	3.60E-05	1.78E-04	1.19E-05	8.30E-06	2.34E-04	3.27E-05	1.92E-10	1.58E-07	2.26E-07	3.31E-05	4.16E-05	1.78E-04	1.19E-05	8.30E-06	2.40E-04
3404	478363.09	3848877.25	0.01205	0.0056	0.0018	0.00268	4.87E-05	1.67E-04	1.17E-05	8.46E-06	2.36E-04	4.43E-05	1.80E-10	1.56E-07	2.31E-07	4.47E-05	5.64E-05	1.67E-04	1.17E-05	8.46E-06	2.44E-04
3405	478863.09	3848877.25	0.01221	0.00445	0.0019	0.00282	4.94E-05	1.33E-04	1.21E-05	8.90E-06	2.03E-04	4.49E-05	1.43E-10	1.62E-07	2.43E-07	4.53E-05	5.71E-05	1.33E-04	1.21E-05	8.90E-06	2.11E-04
3406	479363.09	3848877.25	0.01021	0.00367	0.0021	0.00294	4.13E-05	1.09E-04	1.34E-05	9.28E-06	1.73E-04	3.75E-05	1.18E-10	1.79E-07	2.53E-07	3.80E-05	4.77E-05	1.09E-04	1.34E-05	9.28E-06	1.80E-04
3407	479863.09	3848877.25	0.00651	0.003	0.0025	0.00275	2.63E-05	8.95E-05	1.58E-05	8.68E-06	1.40E-04	2.39E-05	9.67E-11	2.11E-07	2.37E-07	2.44E-05	3.04E-05	8.95E-05	1.58E-05	8.68E-06	1.44E-04
3408	480363.09	3848877.25	0.00639	0.00286	0.003	0.00273	2.58E-05	8.53E-05	1.94E-05	8.62E-06	1.39E-04	2.35E-05	9.22E-11	2.59E-07	2.35E-07	2.40E-05	2.99E-05	8.53E-05	1.94E-05	8.62E-06	1.43E-04
3409	480863.09	3848877.25	0.00642	0.0029	0.0029	0.00281	2.60E-05	8.65E-05	1.84E-05	8.87E-06	1.40E-04	2.36E-05	9.35E-11	2.45E-07	2.42E-07	2.41E-05	3.00E-05	8.65E-05	1.84E-05	8.87E-06	1.44E-04
3410	481363.09	3848877.25	0.00571	0.00276	0.0023	0.00293	2.31E-05	8.23E-05	1.45E-05	9.25E-06	1.29E-04	2.10E-05	8.90E-11	1.93E-07	2.52E-07	2.14E-05	2.67E-05	8.23E-05	1.45E-05	9.25E-06	1.33E-04
3411	481863.09	3848877.25	0.0051	0.00249	0.0022	0.00295	2.06E-05	7.43E-05	1.41E-05	9.31E-06	1.18E-04	1.88E-05	8.03E-11	1.88E-07	2.54E-07	1.92E-05	2.39E-05	7.43E-05	1.41E-05	9.31E-06	1.22E-04
3412	482363.09	3848877.25	0.00395	0.00222	0.0022	0.00289	1.60E-05	6.62E-05	1.38E-05	9.12E-06	1.05E-04	1.45E-05	7.16E-11	1.85E-07	2.49E-07	1.50E-05	1.85E-05	6.62E-05	1.38E-05	9.12E-06	1.08E-04

3413	482863.09	3848877.25	0.00325	0.00197	0.0022	0.00282	1.31E-05	5.88E-05	1.40E-05	8.90E-06	9.48E-05	1.19E-05	6.35E-11	1.87E-07	2.43E-07	1.24E-05	1.52E-05	5.88E-05	1.40E-05	8.90E-06	9.69E-05
3414	483363.09	3848877.25	0.00291	0.00184	0.0024	0.00279	1.18E-05	5.49E-05	1.51E-05	8.81E-06	9.06E-05	1.07E-05	5.93E-11	2.02E-07	2.40E-07	1.11E-05	1.36E-05	5.49E-05	1.51E-05	8.81E-06	9.24E-05
3415	483863.09	3848877.25	0.00295	0.00178	0.0026	0.00282	1.19E-05	5.31E-05	1.66E-05	8.90E-06	9.06E-05	1.08E-05	5.74E-11	2.22E-07	2.43E-07	1.13E-05	1.38E-05	5.31E-05	1.66E-05	8.90E-06	9.25E-05
3416	484363.09	3848877.25	0.00336	0.0019	0.003	0.00292	1.36E-05	5.67E-05	1.89E-05	9.22E-06	9.84E-05	1.24E-05	6.12E-11	2.53E-07	2.51E-07	1.29E-05	1.57E-05	5.67E-05	1.89E-05	9.22E-06	1.01E-04
3417	484863.09	3848877.25	0.00377	0.00208	0.0035	0.00303	1.52E-05	6.21E-05	2.25E-05	9.57E-06	1.09E-04	1.39E-05	6.70E-11	3.00E-07	2.61E-07	1.44E-05	1.76E-05	6.21E-05	2.25E-05	9.57E-06	1.12E-04
3418	485363.09	3848877.25	0.00361	0.00205	0.0039	0.00303	1.46E-05	6.12E-05	2.51E-05	9.57E-06	1.10E-04	1.33E-05	6.61E-11	3.34E-07	2.61E-07	1.39E-05	1.69E-05	6.12E-05	2.51E-05	9.57E-06	1.13E-04
3419	485863.09	3848877.25	0.00322	0.00193	0.0038	0.00298	1.30E-05	5.76E-05	2.39E-05	9.41E-06	1.04E-04	1.18E-05	6.22E-11	3.19E-07	2.57E-07	1.24E-05	1.51E-05	5.76E-05	2.39E-05	9.41E-06	1.06E-04
3420	486363.09	3848877.25	0.00283	0.00185	0.0031	0.00292	1.14E-05	5.52E-05	1.96E-05	9.22E-06	9.54E-05	1.04E-05	5.96E-11	2.61E-07	2.51E-07	1.09E-05	1.32E-05	5.52E-05	1.96E-05	9.22E-06	9.72E-05
3421	486863.09	3848877.25	0.00267	0.00178	0.0026	0.00288	1.08E-05	5.31E-05	1.63E-05	9.09E-06	8.93E-05	9.82E-06	5.74E-11	2.18E-07	2.48E-07	1.03E-05	1.25E-05	5.31E-05	1.63E-05	9.09E-06	9.10E-05
3422	487363.09	3848877.25	0.00258	0.00172	0.0023	0.00289	1.04E-05	5.13E-05	1.47E-05	9.12E-06	8.56E-05	9.49E-06	5.54E-11	1.96E-07	2.49E-07	9.93E-06	1.21E-05	5.13E-05	1.47E-05	9.12E-06	8.72E-05
3423	487863.09	3848877.25	0.00242	0.00166	0.0023	0.00292	9.78E-06	4.95E-05	1.44E-05	9.22E-06	8.29E-05	8.90E-06	5.35E-11	1.91E-07	2.51E-07	9.34E-06	1.13E-05	4.95E-05	1.44E-05	9.22E-06	8.44E-05
3424	488363.09	3848877.25	0.00241	0.00168	0.0025	0.00297	9.74E-06	5.01E-05	1.60E-05	9.38E-06	8.52E-05	8.86E-06	5.41E-11	2.13E-07	2.56E-07	9.33E-06	1.13E-05	5.01E-05	1.60E-05	9.38E-06	8.68E-05
3425	488863.09	3848877.25	0.0024	0.00167	0.0029	0.00302	9.70E-06	4.98E-05	1.84E-05	9.54E-06	8.74E-05	8.82E-06	5.38E-11	2.45E-07	2.60E-07	9.33E-06	1.12E-05	4.98E-05	1.84E-05	9.54E-06	8.90E-05
3426	489363.09	3848877.25	0.00246	0.00172	0.0032	0.00311	9.94E-06	5.13E-05	2.02E-05	9.82E-06	9.13E-05	9.04E-06	5.54E-11	2.70E-07	2.68E-07	9.58E-06	1.15E-05	5.13E-05	2.02E-05	9.82E-06	9.29E-05
3427	489863.09	3848877.25	0.0026	0.0018	0.0032	0.00322	1.05E-05	5.37E-05	2.02E-05	1.02E-05	9.46E-05	9.56E-06	5.80E-11	2.70E-07	2.77E-07	1.01E-05	1.22E-05	5.37E-05	2.02E-05	1.02E-05	9.62E-05
3428	490363.09	3848877.25	0.00259	0.00177	0.0029	0.00332	1.05E-05	5.28E-05	1.85E-05	1.05E-05	9.23E-05	9.52E-06	5.70E-11	2.47E-07	2.86E-07	1.01E-05	1.21E-05	5.28E-05	1.85E-05	1.05E-05	9.39E-05
3429	490863.09	3848877.25	0.00261	0.00176	0.0029	0.00343	1.06E-05	5.25E-05	1.82E-05	1.08E-05	9.21E-05	9.60E-06	5.67E-11	2.43E-07	2.95E-07	1.01E-05	1.22E-05	5.25E-05	1.82E-05	1.08E-05	9.38E-05
3430	491363.09	3848877.25	0.00266	0.0018	0.0028	0.00355	1.08E-05	5.37E-05	1.81E-05	1.12E-05	9.37E-05	9.78E-06	5.80E-11	2.41E-07	3.06E-07	1.03E-05	1.24E-05	5.37E-05	1.81E-05	1.12E-05	9.54E-05
3431	491863.09	3848877.25	0.00263	0.00179	0.0027	0.00364	1.06E-05	5.34E-05	1.72E-05	1.15E-05	9.27E-05	9.67E-06	5.77E-11	2.30E-07	3.13E-07	1.02E-05	1.23E-05	5.34E-05	1.72E-05	1.15E-05	9.44E-05
3432	492363.09	3848877.25	0.0026	0.00176	0.0025	0.00371	1.05E-05	5.25E-05	1.61E-05	1.17E-05	9.09E-05	9.56E-06	5.67E-11	2.15E-07	3.19E-07	1.01E-05	1.22E-05	5.25E-05	1.61E-05	1.17E-05	9.25E-05
3433	492863.09	3848877.25	0.00251	0.00171	0.0023	0.00372	1.01E-05	5.10E-05	1.46E-05	1.17E-05	8.75E-05	9.23E-06	5.51E-11	1.95E-07	3.20E-07	9.74E-06	1.17E-05	5.10E-05	1.46E-05	1.17E-05	8.91E-05
3434	493363.09	3848877.25	0.00244	0.00169	0.0022	0.00374	9.86E-06	5.04E-05	1.41E-05	1.18E-05	8.62E-05	8.97E-06	5.45E-11	1.88E-07	3.22E-07	9.48E-06	1.14E-05	5.04E-05	1.41E-05	1.18E-05	8.77E-05
3435	493863.09	3848877.25	0.0026	0.00181	0.0023	0.00386	1.05E-05	5.40E-05	1.44E-05	1.22E-05	9.11E-05	9.56E-06	5.83E-11	1.92E-07	3.32E-07	1.01E-05	1.22E-05	5.40E-05	1.44E-05	1.22E-05	9.28E-05
3436	494363.09	3848877.25	0.00274	0.0019	0.0024	0.00399	1.11E-05	5.67E-05	1.51E-05	1.26E-05	9.55E-05	1.01E-05	6.12E-11	2.02E-07	3.44E-07	1.06E-05	1.28E-05	5.67E-05	1.51E-05	1.26E-05	9.72E-05
3437	494863.09	3848877.25	0.00301	0.00203	0.0027	0.00414	1.22E-05	6.06E-05	1.70E-05	1.31E-05	1.03E-04	1.11E-05	6.54E-11	2.26E-07	3.56E-07	1.16E-05	1.41E-05	6.06E-05	1.70E-05	1.31E-05	1.05E-04
3438	495363.09	3848877.25	0.00326	0.00214	0.003	0.00428	1.32E-05	6.38E-05	1.91E-05	1.35E-05	1.10E-04	1.20E-05	6.90E-11	2.55E-07	3.69E-07	1.26E-05	1.52E-05	6.38E-05	1.91E-05	1.35E-05	1.12E-04
3439	495863.09	3848877.25	0.00327	0.00213	0.0032	0.00434	1.32E-05	6.35E-05	2.02E-05	1.37E-05	1.11E-04	1.20E-05	6.87E-11	2.69E-07	3.74E-07	1.27E-05	1.53E-05	6.35E-05	2.02E-05	1.37E-05	1.13E-04
3440	496363.09	3848877.25	0.00352	0.00227	0.0035	0.00449	1.42E-05	6.77E-05	2.20E-05	1.42E-05	1.18E-04	1.29E-05	7.32E-11	2.93E-07	3.87E-07	1.36E-05	1.65E-05	6.77E-05	2.20E-05	1.42E-05	1.20E-04
3441	496863.09	3848877.25	0.00408	0.00255	0.0039	0.00472	1.65E-05	7.61E-05	2.49E-05	1.49E-05	1.32E-04	1.50E-05	8.22E-11	3.33E-07	4.06E-07	1.57E-05	1.91E-05	7.61E-05	2.49E-05	1.49E-05	1.35E-04
3442	497363.09	3848877.25	0.00525	0.00306	0.0046	0.00505	2.12E-05	9.13E-05	2.95E-05	1.59E-05	1.58E-04	1.93E-05	9.86E-11	3.93E-07	4.35E-07	2.01E-05	2.46E-05	9.13E-05	2.95E-05	1.59E-05	1.61E-04
3443	497863.09	3848877.25	0.00603	0.00337	0.0048	0.00525	2.44E-05	1.01E-04	3.07E-05	1.66E-05	1.72E-04	2.22E-05	1.09E-10	4.09E-07	4.52E-07	2.30E-05	2.82E-05	1.01E-04	3.07E-05	1.66E-05	1.76E-04
3444	498363.09	3848877.25	0.00676	0.00363	0.0048	0.00542	2.73E-05	1.08E-04	3.05E-05	1.71E-05	1.83E-04	2.49E-05	1.17E-10	4.07E-07	4.67E-07	2.57E-05	3.16E-05	1.08E-04	3.05E-05	1.71E-05	1.88E-04
3445	471363.09	3849377.25	0.00612	0.00498	0.0016	0.00239	2.47E-05	1.49E-04	1.03E-05	7.55E-06	1.91E-04	2.25E-05	1.61E-10	1.37E-07	2.06E-07	2.28E-05	2.86E-05	1.49E-04	1.03E-05	7.55E-06	1.95E-04
3446	471863.09	3849377.25	0.00655	0.00536	0.0016	0.00241	2.65E-05	1.60E-04	1.02E-05	7.61E-06	2.04E-04	2.41E-05	1.73E-10	1.36E-07	2.08E-07	2.44E-05	3.06E-05	1.60E-04	1.02E-05	7.61E-06	2.08E-04
3447	472363.09	3849377.25	0.00709	0.00552	0.0017	0.00243	2.87E-05	1.65E-04	1.05E-05	7.67E-06	2.12E-04	2.61E-05	1.78E-10	1.40E-07	2.09E-07	2.64E-05	3.32E-05	1.65E-04	1.05E-05	7.67E-06	2.16E-04
3448	472863.09	3849377.25	0.00784	0.00563	0.0017	0.00246	3.17E-05	1.68E-04	1.10E-05	7.77E-06	2.18E-04	2.88E-05	1.81E-10	1.47E-07	2.12E-07	2.92E-05	3.67E-05	1.68E-04	1.10E-05	7.77E-06	2.23E-04
3449	473363.09	3849377.25	0.00858	0.00562	0.0018	0.00249	3.47E-05	1.68E-04	1.15E-05	7.86E-06	2.22E-04	3.15E-05	1.81E-10	1.54E-07	2.14E-07	3.19E-05	4.01E-05	1.68E-04	1.15E-05	7.86E-06	2.27E-04
3450	473863.09	3849377.25	0.00902	0.00567	0.0019	0.00252	3.65E-05	1.69E-04	1.19E-05	7.96E-06	2.25E-04	3.32E-05	1.83E-10	1.58E-07	2.17E-07	3.35E-05	4.22E-05	1.69E-04	1.19E-05	7.96E-06	2.31E-04
3451	474363.09	3849377.25	0.00917	0.00572	0.0019	0.00255	3.71E-05	1.71E-04	1.19E-05	8.05E-06	2.28E-04	3.37E-05	1.84E-10	1.58E-07	2.20E-07	3.41E-05	4.29E-05	1.71E-04	1.19E-05	8.05E-06	2.33E-04
3452	474863.09	3849377.25	0.00926	0.00565	0.0018	0.00258	3.74E-05	1.69E-04	1.17E-05	8.15E-06	2.26E-04	3.40E-05	1.82E-10	1.56E-07	2.22E-07	3.44E-05	4.33E-05	1.69E-04	1.17E-05	8.15E-06	2.32E-04
3453	475363.09	3849377.25	0.00927	0.00541	0.0018	0.0026	3.75E-05	1.61E-04	1.15E-05	8.21E-06	2.19E-04	3.41E-05	1.74E-10	1.53E-07	2.24E-07	3.45E-05	4.34E-05	1.61E-04	1.15E-05	8.21E-06	2.24E-04
3454	475863.09	3849377.25	0.00926	0.00557	0.0018	0.0026	3.74E-05	1.66E-04	1.15E-05	8.21E-06	2.23E-04	3.40E-05	1.80E-10	1.54E-07	2.24E-07	3.44E-05	4.33E-05	1.66E-04	1.15E-05	8.21E-06	2.29E-04
3455	476363.09	3849377.25	0.00923	0.00633	0.0019	0.00257	3.73E-05	1.89E-04	1.19E-05	8.11E-06	2.46E-04	3.39E-05	2.04E-10	1.58E-07	2.21E-07	3.43E-05	4.32E-05	1.89E-04	1.19E-05	8.11E-06	2.52E-04
3456	476863.09	3849377.25	0.00903	0.00711	0.0019	0.00254	3.65E-05	2.12E-04	1.22E-05	8.02E-06	2.69E-04	3.32E-05	2.29E-10	1.63E-07	2.19E-07	3.36E-05	4.22E-05	2.12E-04	1.22E-05	8.02E-06	2.75E-04
3457	477363.09	3849377.25	0.00846	0.00741	0.002	0.00254	3.42E-05	2.21E-04	1.26E-05	8.02E-06	2.76E-04	3.11E-05	2.39E-10	1.68E-07	2.19E-07	3.15E-05	3.96E-05	2.21E-04	1.26E-05	8.02E-06	2.81E-04
3458	477863.09	3849377.25	0.00823	0.00719	0.002	0.00265	3.33E-05	2.15E-04	1.26E-05	8.37E-06	2.69E-04	3.03E-05	2.32E-10	1.68E-07	2.28E-07	3.07E-05	3.85E-05	2.15E-04	1.26E-05	8.37E-06	2.74E-04
3459	478363.09	3849377.25	0.00999	0.00682	0.002	0.00278	4.04E-05	2.03E-04	1.24E-05	8.78E-06	2.65E-04	3.67E-05	2.20E-10	1.66E-07	2.39E-07	3.71E-05	4.67E-05	2.03E-04	1.24E-05	8.78E-06	2.71E-04
3460	478863.09	3849377.25	0.01321	0.0057	0.0019	0.00284	5.34E-05	1.70E-04	1.23E-05	8.97E-06	2.45E-04	4.86E-05	1.84E-10	1.64E-07	2.45E-07	4.90E-05	6.18E-05	1.70E-04	1.23E-05	8.97E-06	2.53E-04
3461	479363.09	3849377.25	0.01374	0.00482	0.002	0.00307	5.55E-05	1.44E-04	1.28E-05	9.69E-06	2.22E-04	5.05E-05	1.55E-10	1.70E-07	2.64E-07	5.09E-05	6.43E-05	1.44E-04	1.28E-05	9.69E-06	2.31E-04
3462	479863.09	3849377.25	0.01093	0.00392	0.0022	0.0032	4.42E-05	1.17E-04	1.43E-05	1.01E-05	1.86E-04	4.02E-05	1.26E-10	1.91E-07	2.76E-07	4.07E-05	5.11E-05	1.17E-04	1.43E-05	1.01E-05	1.92E-04
3463	480363.09	3849377.25	0.00933	0.00413	0.003	0.00326	3.77E-05	1.23E-04	1.94E-05	1.03E-05	1.91E-04	3.43E-05	1.33E-10	2.59E-07	2.81E-07	3.48E-05	4.36E-05	1.23E-04	1.94E-05	1.03E-05	1.97E-04
3464	480863.09	3849377.25	0.00857	0.00367	0.0036	0.00307	3.46E-05	1.09E-04	2.32E-05	9.69E-06	1.77E-04	3.15E-05	1.18E-10	3.09E-07	2.64E-07	3.21E-05	4.01E-05	1.09E-04	2.32E-05	9.69E-06	1.82E-04
3465	481363.09	3849377.25	0.00685	0.00312	0.0027	0.00306	2.77E-05	9.31E-05	1.71E-05	9.66E-06	1.48E-04	2.52E-05	1.01E-10	2.28E-07	2.63E-07	2.57E-05	3.20E-05	9.31E-05	1.71E-05	9.66E-06	1.52E-04
3466	481863.09	3849377.25	0.00486	0.00249	0.0023	0.00305	1.96E-05	7.43E-05	1.44E-05	9.63E-06	1.18E-04	1.79E-05	8.03E-11	1.91E-07	2.63E-07	1.83E-05	2.27E-05	7.43E-05	1.44E-05	9.63E-06	1.21E-04
3467	482363.09	3849377.25	0.00411	0.0023	0.0022	0.00303	1.66E-05	6.86E-05	1.41E-05	9.57E-06	1.09E-04	1.51E-05	7.41E-11	1.88E-07	2.61E-07	1.56E-05	1.92E-05	6.86E-05	1.41E-05	9.57E-06	1.12E-04
3468	482863.09	3849377.25	0.00332	0.00202	0.0022	0.00296	1.34E-05	6.03E-05	1.41E-05	9.35E-06	9.71E-05	1.22E-05	6.51E-11	1.88E-07	2.55E-07	1.26E-05	1.55E-05	6.03E-05	1.41E-05	9.35E-06	9.92E-05
3469	483363.09	3849377.25	0.00302	0.00191	0.0024	0.00293	1.22E-05	5.70E-05	1.51E-05	9.25E-06	9.35E-05	1.11E-05	6.16E-11	2.01E-07	2.52E-07	1.16E-05	1.41E-05	5.70E-05	1.51E-05	9.25E-06	9.54E-05
3470	483863.09	3849377.25	0.00271	0.00175	0.0026	0.00294	1.10E-05	5.22E-05	1.64E-05	9.28E-06	8.88E-05	9.96E-06	5.64E-11	2.19E-07	2.53E-07	1.04E-05	1.27E-05	5.22E-05	1.64E-05	9.28E-06	9.06E-05
3471	484363.09	3849377.25	0.00381	0.00208	0.003	0.00309	1.54E-05	6.21E-05	1.89E-05	9.76E-06	1.06E-04	1.40E-05	6.70E-11	2.53E-07	2.66E-07	1.45E-05	1.78E-05	6.21E-05	1.89E-05	9.76E-06	1.09E-04
3472	484863.09	3849377.25	0.00452	0.00233	0.0035	0.00323	1.83E-05	6.95E-05	2.25E-05	1.02E-05	1.20E-04	1.66E-05	7.51E-11	2.99E-07	2.78E-07	1.72E-05	2.11E-05	6.95E-05	2.25E-05	1.02E-05	1.23E-04
3473	485363.09	3849377.25	0.00436	0.00232	0.0042	0.00327	1.76E-05	6.92E-05	2.67E-05	1.03E-05	1.24E-04	1.60E-05	7.48E-11	3.55E-07	2.82E-07	1.67E-05	2.04E-05	6.92E-05	2.67E-05	1.03E-05	1.27E-04

3474	485863.09	3849377.25	0.00315	0.00194	0.0039	0.00315	1.27E-05	5.79E-05	2.46E-05	9.95E-06	1.05E-04	1.16E-05	6.25E-11	3.28E-07	2.71E-07	1.22E-05	1.47E-05	5.79E-05	2.46E-05	9.95E-06	1.07E-04
3475	486363.09	3849377.25	0.00257	0.00175	0.0031	0.00305	1.04E-05	5.22E-05	2.00E-05	9.63E-06	9.22E-05	9.45E-06	5.64E-11	2.66E-07	2.63E-07	9.98E-06	1.20E-05	5.22E-05	2.00E-05	9.63E-06	9.38E-05
3476	486863.09	3849377.25	0.00303	0.00194	0.0028	0.00308	1.22E-05	5.79E-05	1.77E-05	9.72E-06	9.76E-05	1.11E-05	6.25E-11	2.36E-07	2.65E-07	1.16E-05	1.42E-05	5.79E-05	1.77E-05	9.72E-06	9.95E-05
3477	487363.09	3849377.25	0.00297	0.00194	0.0025	0.00313	1.20E-05	5.79E-05	1.59E-05	9.88E-06	9.56E-05	1.09E-05	6.25E-11	2.12E-07	2.70E-07	1.14E-05	1.39E-05	5.79E-05	1.59E-05	9.88E-06	9.75E-05
3478	487863.09	3849377.25	0.0029	0.0019	0.0024	0.00316	1.17E-05	5.67E-05	1.53E-05	9.98E-06	9.37E-05	1.07E-05	6.12E-11	2.04E-07	2.72E-07	1.11E-05	1.36E-05	5.67E-05	1.53E-05	9.98E-06	9.55E-05
3479	488363.09	3849377.25	0.00285	0.00191	0.0027	0.00322	1.15E-05	5.70E-05	1.70E-05	1.02E-05	9.57E-05	1.05E-05	6.16E-11	2.27E-07	2.77E-07	1.10E-05	1.33E-05	5.70E-05	1.70E-05	1.02E-05	9.75E-05
3480	488863.09	3849377.25	0.00294	0.00194	0.0031	0.00333	1.19E-05	5.79E-05	1.96E-05	1.05E-05	9.99E-05	1.08E-05	6.25E-11	2.62E-07	2.87E-07	1.14E-05	1.37E-05	5.79E-05	1.96E-05	1.05E-05	1.02E-04
3481	489363.09	3849377.25	0.00305	0.002	0.0034	0.00345	1.23E-05	5.97E-05	2.14E-05	1.09E-05	1.04E-04	1.12E-05	6.45E-11	2.86E-07	2.97E-07	1.18E-05	1.43E-05	5.97E-05	2.14E-05	1.09E-05	1.06E-04
3482	489863.09	3849377.25	0.00311	0.00203	0.0033	0.00359	1.26E-05	6.06E-05	2.12E-05	1.13E-05	1.06E-04	1.14E-05	6.54E-11	2.82E-07	3.09E-07	1.20E-05	1.45E-05	6.06E-05	2.12E-05	1.13E-05	1.08E-04
3483	490363.09	3849377.25	0.00306	0.00198	0.0031	0.00369	1.24E-05	5.91E-05	1.96E-05	1.17E-05	1.03E-04	1.13E-05	6.38E-11	2.62E-07	3.18E-07	1.18E-05	1.43E-05	5.91E-05	1.96E-05	1.17E-05	1.05E-04
3484	490863.09	3849377.25	0.00311	0.00199	0.0032	0.00381	1.26E-05	5.94E-05	2.02E-05	1.20E-05	1.04E-04	1.14E-05	6.41E-11	2.70E-07	3.28E-07	1.20E-05	1.45E-05	5.94E-05	2.02E-05	1.20E-05	1.06E-04
3485	491363.09	3849377.25	0.00315	0.00205	0.0031	0.00393	1.27E-05	6.12E-05	2.00E-05	1.24E-05	1.06E-04	1.16E-05	6.61E-11	2.66E-07	3.38E-07	1.22E-05	1.47E-05	6.12E-05	2.00E-05	1.24E-05	1.08E-04
3486	491863.09	3849377.25	0.00309	0.00204	0.0028	0.00402	1.25E-05	6.09E-05	1.79E-05	1.27E-05	1.04E-04	1.14E-05	6.58E-11	2.38E-07	3.46E-07	1.19E-05	1.45E-05	6.09E-05	1.79E-05	1.27E-05	1.06E-04
3487	492363.09	3849377.25	0.00305	0.00201	0.0026	0.00411	1.23E-05	6.00E-05	1.66E-05	1.30E-05	1.02E-04	1.12E-05	6.48E-11	2.21E-07	3.54E-07	1.18E-05	1.43E-05	6.00E-05	1.66E-05	1.30E-05	1.04E-04
3488	492863.09	3849377.25	0.00288	0.00193	0.0024	0.00411	1.16E-05	5.76E-05	1.54E-05	1.30E-05	9.76E-05	1.06E-05	6.22E-11	2.05E-07	3.54E-07	1.11E-05	1.35E-05	5.76E-05	1.54E-05	1.30E-05	9.94E-05
3489	493363.09	3849377.25	0.00295	0.00199	0.0024	0.00418	1.19E-05	5.94E-05	1.52E-05	1.32E-05	9.97E-05	1.08E-05	6.41E-11	2.03E-07	3.60E-07	1.14E-05	1.38E-05	5.94E-05	1.52E-05	1.32E-05	1.02E-04
3490	493863.09	3849377.25	0.00308	0.00208	0.0025	0.00431	1.24E-05	6.21E-05	1.57E-05	1.36E-05	1.04E-04	1.13E-05	6.70E-11	2.09E-07	3.71E-07	1.19E-05	1.44E-05	6.21E-05	1.57E-05	1.36E-05	1.06E-04
3491	494363.09	3849377.25	0.00338	0.00223	0.0027	0.00448	1.37E-05	6.65E-05	1.74E-05	1.41E-05	1.12E-04	1.24E-05	7.19E-11	2.32E-07	3.86E-07	1.30E-05	1.58E-05	6.65E-05	1.74E-05	1.41E-05	1.14E-04
3492	494863.09	3849377.25	0.00405	0.00252	0.0033	0.00473	1.64E-05	7.52E-05	2.12E-05	1.49E-05	1.28E-04	1.49E-05	8.12E-11	2.82E-07	4.07E-07	1.56E-05	1.89E-05	7.52E-05	2.12E-05	1.49E-05	1.30E-04
3493	495363.09	3849377.25	0.00448	0.0027	0.0037	0.00489	1.81E-05	8.06E-05	2.37E-05	1.54E-05	1.38E-04	1.65E-05	8.70E-11	3.16E-07	4.21E-07	1.72E-05	2.10E-05	8.06E-05	2.37E-05	1.54E-05	1.41E-04
3494	495863.09	3849377.25	0.00394	0.00247	0.0036	0.00483	1.59E-05	7.37E-05	2.30E-05	1.53E-05	1.28E-04	1.45E-05	7.96E-11	3.06E-07	4.16E-07	1.52E-05	1.84E-05	7.37E-05	2.30E-05	1.53E-05	1.30E-04
3495	496363.09	3849377.25	0.00409	0.00254	0.0039	0.00493	1.65E-05	7.58E-05	2.46E-05	1.56E-05	1.32E-04	1.50E-05	8.19E-11	3.28E-07	4.25E-07	1.58E-05	1.91E-05	7.58E-05	2.46E-05	1.56E-05	1.35E-04
3496	496863.09	3849377.25	0.00549	0.00316	0.0046	0.00536	2.22E-05	9.43E-05	2.94E-05	1.69E-05	1.63E-04	2.02E-05	1.02E-10	3.92E-07	4.62E-07	2.10E-05	2.57E-05	9.43E-05	2.94E-05	1.69E-05	1.66E-04
3497	497363.09	3849377.25	0.00623	0.00344	0.0049	0.00557	2.52E-05	1.03E-04	3.14E-05	1.76E-05	1.77E-04	2.29E-05	1.11E-10	4.18E-07	4.80E-07	2.38E-05	2.91E-05	1.03E-04	3.14E-05	1.76E-05	1.81E-04
3498	497863.09	3849377.25	0.00827	0.0042	0.0052	0.00589	3.34E-05	1.25E-04	3.34E-05	1.86E-05	2.11E-04	3.04E-05	1.35E-10	4.46E-07	5.07E-07	3.14E-05	3.87E-05	1.25E-04	3.34E-05	1.86E-05	2.16E-04
3499	498363.09	3849377.25	0.0083	0.00422	0.0051	0.006	3.36E-05	1.26E-04	3.27E-05	1.89E-05	2.11E-04	3.05E-05	1.36E-10	4.36E-07	5.17E-07	3.15E-05	3.88E-05	1.26E-04	3.27E-05	1.89E-05	2.16E-04
3500	471363.09	3849877.25	0.00564	0.00429	0.0018	0.00248	2.28E-05	1.28E-04	1.15E-05	7.83E-06	1.70E-04	2.07E-05	1.38E-10	1.54E-07	2.14E-07	2.11E-05	2.64E-05	1.28E-04	1.15E-05	7.83E-06	1.74E-04
3501	471863.09	3849877.25	0.00638	0.00514	0.0017	0.00251	2.58E-05	1.53E-04	1.10E-05	7.93E-06	1.98E-04	2.35E-05	1.66E-10	1.47E-07	2.16E-07	2.38E-05	2.98E-05	1.53E-04	1.10E-05	7.93E-06	2.02E-04
3502	472363.09	3849877.25	0.00694	0.00578	0.0017	0.00254	2.81E-05	1.72E-04	1.08E-05	8.02E-06	2.19E-04	2.55E-05	1.86E-10	1.44E-07	2.19E-07	2.59E-05	3.25E-05	1.72E-04	1.08E-05	8.02E-06	2.24E-04
3503	472863.09	3849877.25	0.00744	0.00609	0.0017	0.00257	3.01E-05	1.82E-04	1.08E-05	8.11E-06	2.31E-04	2.74E-05	1.96E-10	1.45E-07	2.21E-07	2.77E-05	3.48E-05	1.82E-04	1.08E-05	8.11E-06	2.35E-04
3504	473363.09	3849877.25	0.00807	0.00617	0.0018	0.0026	3.26E-05	1.84E-04	1.12E-05	8.21E-06	2.36E-04	2.97E-05	1.99E-10	1.49E-07	2.24E-07	3.00E-05	3.77E-05	1.84E-04	1.12E-05	8.21E-06	2.41E-04
3505	473863.09	3849877.25	0.00892	0.00628	0.0018	0.00263	3.61E-05	1.87E-04	1.17E-05	8.30E-06	2.43E-04	3.28E-05	2.02E-10	1.56E-07	2.26E-07	3.32E-05	4.17E-05	1.87E-04	1.17E-05	8.30E-06	2.49E-04
3506	474363.09	3849877.25	0.00973	0.00631	0.0019	0.00266	3.93E-05	1.88E-04	1.22E-05	8.40E-06	2.48E-04	3.58E-05	2.03E-10	1.62E-07	2.29E-07	3.62E-05	4.55E-05	1.88E-04	1.22E-05	8.40E-06	2.54E-04
3507	474863.09	3849877.25	0.01022	0.00636	0.002	0.0027	4.13E-05	1.90E-04	1.24E-05	8.52E-06	2.52E-04	3.76E-05	2.05E-10	1.66E-07	2.32E-07	3.80E-05	4.78E-05	1.90E-04	1.24E-05	8.52E-06	2.58E-04
3508	475363.09	3849877.25	0.0104	0.00622	0.0019	0.00273	4.20E-05	1.86E-04	1.24E-05	8.62E-06	2.49E-04	3.82E-05	2.00E-10	1.65E-07	2.35E-07	3.86E-05	4.86E-05	1.86E-04	1.24E-05	8.62E-06	2.55E-04
3509	475863.09	3849877.25	0.01049	0.00608	0.0019	0.00276	4.24E-05	1.81E-04	1.22E-05	8.71E-06	2.45E-04	3.86E-05	1.96E-10	1.62E-07	2.38E-07	3.90E-05	4.91E-05	1.81E-04	1.22E-05	8.71E-06	2.51E-04
3510	476363.09	3849877.25	0.01051	0.00617	0.0019	0.00276	4.25E-05	1.84E-04	1.21E-05	8.71E-06	2.47E-04	3.86E-05	1.99E-10	1.62E-07	2.38E-07	3.90E-05	4.92E-05	1.84E-04	1.21E-05	8.71E-06	2.54E-04
3511	476863.09	3849877.25	0.01051	0.00716	0.0019	0.00274	4.25E-05	2.14E-04	1.24E-05	8.65E-06	2.77E-04	3.86E-05	2.31E-10	1.65E-07	2.36E-07	3.90E-05	4.92E-05	2.14E-04	1.24E-05	8.65E-06	2.84E-04
3512	477363.09	3849877.25	0.01043	0.00872	0.002	0.00271	4.22E-05	2.60E-04	1.28E-05	8.56E-06	3.24E-04	3.83E-05	2.81E-10	1.70E-07	2.33E-07	3.87E-05	4.88E-05	2.60E-04	1.28E-05	8.56E-06	3.30E-04
3513	477863.09	3849877.25	0.01	0.00924	0.0021	0.00271	4.04E-05	2.76E-04	1.31E-05	8.56E-06	3.38E-04	3.68E-05	2.98E-10	1.75E-07	2.33E-07	3.72E-05	4.68E-05	2.76E-04	1.31E-05	8.56E-06	3.44E-04
3514	478363.09	3849877.25	0.00953	0.00857	0.0021	0.00281	3.85E-05	2.56E-04	1.33E-05	8.87E-06	3.16E-04	3.50E-05	2.76E-10	1.77E-07	2.42E-07	3.55E-05	4.46E-05	2.56E-04	1.33E-05	8.87E-06	3.22E-04
3515	478863.09	3849877.25	0.01144	0.00823	0.0021	0.00291	4.62E-05	2.46E-04	1.31E-05	9.19E-06	3.14E-04	4.21E-05	2.65E-10	1.74E-07	2.51E-07	4.25E-05	5.35E-05	2.46E-04	1.31E-05	9.19E-06	3.21E-04
3516	479363.09	3849877.25	0.01535	0.00672	0.002	0.00302	6.20E-05	2.00E-04	1.29E-05	9.54E-06	2.85E-04	5.64E-05	2.17E-10	1.73E-07	2.60E-07	5.69E-05	7.18E-05	2.00E-04	1.29E-05	9.54E-06	2.95E-04
3517	479863.09	3849877.25	0.01685	0.00619	0.0021	0.00319	6.81E-05	1.85E-04	1.31E-05	1.01E-05	2.76E-04	6.19E-05	2.00E-10	1.75E-07	2.75E-07	6.24E-05	7.88E-05	1.85E-04	1.31E-05	1.01E-05	2.87E-04
3518	480363.09	3849877.25	0.01376	0.00505	0.0023	0.00334	5.56E-05	1.51E-04	1.49E-05	1.05E-05	2.32E-04	5.06E-05	1.63E-10	1.98E-07	2.88E-07	5.11E-05	6.44E-05	1.51E-04	1.49E-05	1.05E-05	2.40E-04
3519	480863.09	3849877.25	0.00971	0.00405	0.003	0.0032	3.92E-05	1.21E-04	1.93E-05	1.01E-05	1.89E-04	3.57E-05	1.31E-10	2.57E-07	2.76E-07	3.62E-05	4.54E-05	1.21E-04	1.93E-05	1.01E-05	1.96E-04
3520	481363.09	3849877.25	0.00854	0.00362	0.0033	0.00324	3.45E-05	1.08E-04	2.12E-05	1.02E-05	1.74E-04	3.14E-05	1.17E-10	2.82E-07	2.79E-07	3.20E-05	3.99E-05	1.08E-04	2.12E-05	1.02E-05	1.79E-04
3521	481863.09	3849877.25	0.00527	0.00267	0.0025	0.00321	2.13E-05	7.97E-05	1.57E-05	1.01E-05	1.27E-04	1.94E-05	8.61E-11	2.09E-07	2.76E-07	1.99E-05	2.46E-05	7.97E-05	1.57E-05	1.01E-05	1.30E-04
3522	482363.09	3849877.25	0.00428	0.0024	0.0023	0.0032	1.73E-05	7.16E-05	1.47E-05	1.01E-05	1.14E-04	1.57E-05	7.74E-11	1.96E-07	2.76E-07	1.62E-05	2.00E-05	7.16E-05	1.47E-05	1.01E-05	1.16E-04
3523	482863.09	3849877.25	0.00362	0.00217	0.0023	0.00315	1.46E-05	6.47E-05	1.46E-05	9.95E-06	1.04E-04	1.33E-05	6.99E-11	1.95E-07	2.71E-07	1.38E-05	1.69E-05	6.47E-05	1.46E-05	9.95E-06	1.06E-04
3524	483363.09	3849877.25	0.00318	0.00199	0.0024	0.00311	1.29E-05	5.94E-05	1.51E-05	9.82E-06	9.72E-05	1.17E-05	6.41E-11	2.02E-07	2.68E-07	1.22E-05	1.49E-05	5.94E-05	1.51E-05	9.82E-06	9.92E-05
3525	483863.09	3849877.25	0.0032	0.00196	0.0026	0.00314	1.29E-05	5.85E-05	1.66E-05	9.91E-06	9.79E-05	1.18E-05	6.32E-11	2.21E-07	2.70E-07	1.23E-05	1.50E-05	5.85E-05	1.66E-05	9.91E-06	9.99E-05
3526	484363.09	3849877.25	0.00428	0.00226	0.003	0.00327	1.73E-05	6.74E-05	1.91E-05	1.03E-05	1.14E-04	1.57E-05	7.28E-11	2.54E-07	2.82E-07	1.63E-05	2.00E-05	6.74E-05	1.91E-05	1.03E-05	1.17E-04
3527	484863.09	3849877.25	0.00566	0.00266	0.0036	0.00347	2.29E-05	7.94E-05	2.31E-05	1.10E-05	1.36E-04	2.08E-05	8.57E-11	3.08E-07	2.99E-07	2.14E-05	2.65E-05	7.94E-05	2.31E-05	1.10E-05	1.40E-04
3528	485363.09	3849877.25	0.00499	0.00257	0.0043	0.00352	2.02E-05	7.67E-05	2.72E-05	1.11E-05	1.35E-04	1.83E-05	8.28E-11	3.62E-07	3.03E-07	1.90E-05	2.33E-05	7.67E-05	2.72E-05	1.11E-05	1.38E-04
3529	485863.09	3849877.25	0.00389	0.00226	0.0043	0.00344	1.57E-05	6.74E-05	2.72E-05	1.09E-05	1.21E-04	1.43E-05	7.28E-11	3.63E-07	2.96E-07	1.50E-05	1.82E-05	6.74E-05	2.72E-05	1.09E-05	1.24E-04
3530	486363.09	3849877.25	0.00347	0.00212	0.0037	0.00337	1.40E-05	6.32E-05	2.37E-05	1.06E-05	1.12E-04	1.28E-05	6.83E-11	3.16E-07	2.90E-07	1.34E-05	1.62E-05	6.32E-05	2.37E-05	1.06E-05	1.14E-04
3531	486863.09	3849877.25	0.00379	0.00229	0.0032	0.00338	1.53E-05	6.83E-05	2.01E-05	1.07E-05	1.14E-04	1.39E-05	7.38E-11	2.68E-07	2.91E-07	1.45E-05	1.77E-05	6.83E-05	2.01E-05	1.07E-05	1.17E-04
3532	487363.09	3849877.25	0.00359	0.00227	0.0027	0.00343	1.45E-05	6.77E-05	1.73E-05	1.08E-05	1.10E-04	1.32E-05	7.32E-11	2.30E-07	2.95E-07	1.37E-05	1.68E-05	6.77E-05	1.73E-05	1.08E-05	1.13E-04
3533	487863.09	3849877.25	0.00347	0.00218	0.0026	0.00347	1.40E-05	6.50E-05	1.64E-05	1.10E-05	1.06E-04	1.28E-05	7.03E-11	2.19E-07	2.99E-07	1.33E-05	1.62E-05	6.50E-05	1.64E-05	1.10E-05	1.09E-04
3534	488363.09	3849877.25	0.00348	0.00221	0.0029	0.00356	1.41E-05	6.59E-05	1.82E-05	1.12E-05	1.09E-04	1.28E-05	7.12E-11	2.42E-07	3.07E-07	1.33E-05	1.63E-05	6.59E-05	1.82E-05	1.12E-05	1.12E-04

3535	488863.09	3849877.25	0.00365	0.00228	0.0033	0.00369	1.48E-05	6.80E-05	2.10E-05	1.17E-05	1.15E-04	1.34E-05	7.35E-11	2.80E-07	3.18E-07	1.40E-05	1.71E-05	6.80E-05	2.10E-05	1.17E-05	1.18E-04
3536	489363.09	3849877.25	0.00375	0.00233	0.0036	0.00385	1.52E-05	6.95E-05	2.27E-05	1.22E-05	1.20E-04	1.38E-05	7.51E-11	3.03E-07	3.32E-07	1.44E-05	1.75E-05	6.95E-05	2.27E-05	1.22E-05	1.22E-04
3537	489863.09	3849877.25	0.00374	0.00232	0.0035	0.00406	1.51E-05	6.92E-05	2.23E-05	1.28E-05	1.19E-04	1.38E-05	7.48E-11	2.97E-07	3.50E-07	1.44E-05	1.75E-05	6.92E-05	2.23E-05	1.28E-05	1.22E-04
3538	490363.09	3849877.25	0.0037	0.00227	0.0034	0.00416	1.50E-05	6.77E-05	2.17E-05	1.31E-05	1.17E-04	1.36E-05	7.32E-11	2.89E-07	3.58E-07	1.43E-05	1.73E-05	6.77E-05	2.17E-05	1.31E-05	1.20E-04
3539	490863.09	3849877.25	0.0038	0.00235	0.0035	0.00427	1.54E-05	7.01E-05	2.21E-05	1.35E-05	1.21E-04	1.40E-05	7.57E-11	2.95E-07	3.68E-07	1.46E-05	1.78E-05	7.01E-05	2.21E-05	1.35E-05	1.23E-04
3540	491363.09	3849877.25	0.00386	0.00241	0.0033	0.00439	1.56E-05	7.19E-05	2.13E-05	1.39E-05	1.23E-04	1.42E-05	7.77E-11	2.84E-07	3.78E-07	1.49E-05	1.81E-05	7.19E-05	2.13E-05	1.39E-05	1.25E-04
3541	491863.09	3849877.25	0.00377	0.00241	0.0029	0.0045	1.52E-05	7.19E-05	1.86E-05	1.42E-05	1.20E-04	1.39E-05	7.77E-11	2.47E-07	3.87E-07	1.45E-05	1.76E-05	7.19E-05	1.86E-05	1.42E-05	1.22E-04
3542	492363.09	3849877.25	0.00383	0.0024	0.0027	0.00462	1.55E-05	7.16E-05	1.74E-05	1.46E-05	1.19E-04	1.41E-05	7.74E-11	2.32E-07	3.98E-07	1.47E-05	1.79E-05	7.16E-05	1.74E-05	1.46E-05	1.22E-04
3543	492863.09	3849877.25	0.00376	0.00237	0.0027	0.00469	1.52E-05	7.07E-05	1.72E-05	1.48E-05	1.18E-04	1.38E-05	7.64E-11	2.29E-07	4.04E-07	1.45E-05	1.76E-05	7.07E-05	1.72E-05	1.48E-05	1.20E-04
3544	493363.09	3849877.25	0.00369	0.00239	0.0027	0.00474	1.49E-05	7.13E-05	1.70E-05	1.50E-05	1.18E-04	1.36E-05	7.70E-11	2.27E-07	4.08E-07	1.42E-05	1.73E-05	7.13E-05	1.70E-05	1.50E-05	1.21E-04
3545	493863.09	3849877.25	0.00381	0.00245	0.0028	0.00486	1.54E-05	7.31E-05	1.78E-05	1.53E-05	1.22E-04	1.40E-05	7.90E-11	2.37E-07	4.18E-07	1.47E-05	1.78E-05	7.31E-05	1.78E-05	1.53E-05	1.24E-04
3546	494363.09	3849877.25	0.00477	0.00285	0.0035	0.00517	1.93E-05	8.50E-05	2.20E-05	1.63E-05	1.43E-04	1.75E-05	9.19E-11	2.93E-07	4.45E-07	1.83E-05	2.23E-05	8.50E-05	2.20E-05	1.63E-05	1.46E-04
3547	494863.09	3849877.25	0.00561	0.00322	0.0041	0.00541	2.27E-05	9.61E-05	2.58E-05	1.71E-05	1.62E-04	2.06E-05	1.04E-10	3.44E-07	4.66E-07	2.14E-05	2.62E-05	9.61E-05	2.58E-05	1.71E-05	1.65E-04
3548	495363.09	3849877.25	0.00531	0.0031	0.0042	0.00545	2.15E-05	9.25E-05	2.69E-05	1.72E-05	1.58E-04	1.95E-05	9.99E-11	3.59E-07	4.69E-07	2.04E-05	2.48E-05	9.25E-05	2.69E-05	1.72E-05	1.61E-04
3549	495863.09	3849877.25	0.00633	0.00354	0.0049	0.00573	2.56E-05	1.06E-04	3.12E-05	1.81E-05	1.80E-04	2.33E-05	1.14E-10	4.16E-07	4.93E-07	2.42E-05	2.96E-05	1.06E-04	3.12E-05	1.81E-05	1.84E-04
3550	496363.09	3849877.25	0.00699	0.0038	0.0052	0.00593	2.83E-05	1.13E-04	3.32E-05	1.87E-05	1.94E-04	2.57E-05	1.22E-10	4.43E-07	5.11E-07	2.67E-05	3.27E-05	1.13E-04	3.32E-05	1.87E-05	1.98E-04
3551	496863.09	3849877.25	0.00756	0.00399	0.0053	0.00611	3.06E-05	1.19E-04	3.39E-05	1.93E-05	2.03E-04	2.78E-05	1.29E-10	4.52E-07	5.26E-07	2.88E-05	3.54E-05	1.19E-04	3.39E-05	1.93E-05	2.08E-04
3552	497363.09	3849877.25	0.00926	0.00459	0.0055	0.00638	3.74E-05	1.37E-04	3.52E-05	2.01E-05	2.30E-04	3.40E-05	1.48E-10	4.69E-07	5.49E-07	3.51E-05	4.33E-05	1.37E-04	3.52E-05	2.01E-05	2.36E-04
3553	497863.09	3849877.25	0.01018	0.00491	0.0055	0.00657	4.11E-05	1.46E-04	3.53E-05	2.07E-05	2.44E-04	3.74E-05	1.58E-10	4.70E-07	5.66E-07	3.85E-05	4.76E-05	1.46E-04	3.53E-05	2.07E-05	2.50E-04
3554	498363.09	3849877.25	0.01013	0.00492	0.0057	0.00668	4.09E-05	1.47E-04	3.62E-05	2.11E-05	2.45E-04	3.72E-05	1.59E-10	4.82E-07	5.75E-07	3.83E-05	4.74E-05	1.47E-04	3.62E-05	2.11E-05	2.51E-04
3555	471363.09	3850377.25	0.00503	0.00323	0.002	0.00257	2.03E-05	9.64E-05	1.29E-05	8.11E-06	1.38E-04	1.85E-05	1.04E-10	1.73E-07	2.21E-07	1.89E-05	2.35E-05	9.64E-05	1.29E-05	8.11E-06	1.41E-04
3556	471863.09	3850377.25	0.00603	0.00429	0.002	0.00263	2.44E-05	1.28E-04	1.30E-05	8.30E-06	1.74E-04	2.22E-05	1.38E-10	1.73E-07	2.26E-07	2.26E-05	2.82E-05	1.28E-04	1.30E-05	8.30E-06	1.78E-04
3557	472363.09	3850377.25	0.00655	0.00498	0.0019	0.00266	2.65E-05	1.49E-04	1.24E-05	8.40E-06	1.96E-04	2.41E-05	1.61E-10	1.65E-07	2.29E-07	2.45E-05	3.06E-05	1.49E-04	1.24E-05	8.40E-06	2.00E-04
3558	472863.09	3850377.25	0.00736	0.00613	0.0019	0.0027	2.98E-05	1.83E-04	1.19E-05	8.52E-06	2.33E-04	2.71E-05	1.98E-10	1.58E-07	2.32E-07	2.74E-05	3.44E-05	1.83E-04	1.19E-05	8.52E-06	2.38E-04
3559	473363.09	3850377.25	0.00781	0.0063	0.0018	0.00272	3.16E-05	1.88E-04	1.15E-05	8.59E-06	2.40E-04	2.87E-05	2.03E-10	1.53E-07	2.34E-07	2.91E-05	3.65E-05	1.88E-04	1.15E-05	8.59E-06	2.45E-04
3560	473863.09	3850377.25	0.00844	0.00667	0.0018	0.00275	3.41E-05	1.99E-04	1.15E-05	8.68E-06	2.53E-04	3.10E-05	2.15E-10	1.53E-07	2.37E-07	3.14E-05	3.95E-05	1.99E-04	1.15E-05	8.68E-06	2.59E-04
3561	474363.09	3850377.25	0.00927	0.00697	0.0019	0.00279	3.75E-05	2.08E-04	1.19E-05	8.81E-06	2.66E-04	3.41E-05	2.25E-10	1.59E-07	2.40E-07	3.45E-05	4.34E-05	2.08E-04	1.19E-05	8.81E-06	2.72E-04
3562	474863.09	3850377.25	0.01025	0.00706	0.002	0.00283	4.14E-05	2.11E-04	1.25E-05	8.94E-06	2.73E-04	3.77E-05	2.28E-10	1.67E-07	2.44E-07	3.81E-05	4.79E-05	2.11E-04	1.25E-05	8.94E-06	2.80E-04
3563	475363.09	3850377.25	0.01114	0.00714	0.002	0.00287	4.50E-05	2.13E-04	1.29E-05	9.06E-06	2.80E-04	4.10E-05	2.30E-10	1.73E-07	2.47E-07	4.14E-05	5.21E-05	2.13E-04	1.29E-05	9.06E-06	2.87E-04
3564	475863.09	3850377.25	0.0117	0.00705	0.0021	0.00291	4.73E-05	2.10E-04	1.31E-05	9.19E-06	2.80E-04	4.30E-05	2.27E-10	1.74E-07	2.51E-07	4.34E-05	5.47E-05	2.10E-04	1.31E-05	9.19E-06	2.87E-04
3565	476363.09	3850377.25	0.01194	0.00685	0.002	0.00294	4.83E-05	2.04E-04	1.29E-05	9.28E-06	2.75E-04	4.39E-05	2.21E-10	1.73E-07	2.53E-07	4.43E-05	5.58E-05	2.04E-04	1.29E-05	9.28E-06	2.82E-04
3566	476863.09	3850377.25	0.01202	0.0069	0.002	0.00296	4.86E-05	2.06E-04	1.28E-05	9.35E-06	2.77E-04	4.42E-05	2.22E-10	1.71E-07	2.55E-07	4.46E-05	5.62E-05	2.06E-04	1.28E-05	9.35E-06	2.84E-04
3567	477363.09	3850377.25	0.01206	0.00797	0.002	0.00294	4.87E-05	2.38E-04	1.30E-05	9.28E-06	3.09E-04	4.43E-05	2.57E-10	1.73E-07	2.53E-07	4.48E-05	5.64E-05	2.38E-04	1.30E-05	9.28E-06	3.16E-04
3568	477863.09	3850377.25	0.01202	0.0097	0.0021	0.00291	4.86E-05	2.89E-04	1.34E-05	9.19E-06	3.61E-04	4.42E-05	3.13E-10	1.79E-07	2.51E-07	4.46E-05	5.62E-05	2.89E-04	1.34E-05	9.19E-06	3.68E-04
3569	478363.09	3850377.25	0.01162	0.01026	0.0022	0.00291	4.70E-05	3.06E-04	1.38E-05	9.19E-06	3.76E-04	4.27E-05	3.31E-10	1.84E-07	2.51E-07	4.32E-05	5.43E-05	3.06E-04	1.38E-05	9.19E-06	3.83E-04
3570	478863.09	3850377.25	0.0113	0.01036	0.0022	0.00298	4.57E-05	3.09E-04	1.40E-05	9.41E-06	3.78E-04	4.15E-05	3.34E-10	1.86E-07	2.57E-07	4.20E-05	5.28E-05	3.09E-04	1.40E-05	9.41E-06	3.85E-04
3571	479363.09	3850377.25	0.01318	0.00987	0.0022	0.00306	5.33E-05	2.94E-04	1.38E-05	9.66E-06	3.71E-04	4.85E-05	3.18E-10	1.85E-07	2.63E-07	4.89E-05	6.16E-05	2.94E-04	1.38E-05	9.66E-06	3.80E-04
3572	479863.09	3850377.25	0.0178	0.00814	0.0021	0.0032	7.20E-05	2.43E-04	1.37E-05	1.01E-05	3.39E-04	6.54E-05	2.62E-10	1.82E-07	2.76E-07	6.59E-05	8.32E-05	2.43E-04	1.37E-05	1.01E-05	3.50E-04
3573	480363.09	3850377.25	0.01937	0.00701	0.0022	0.00347	7.83E-05	2.09E-04	1.39E-05	1.10E-05	3.12E-04	7.12E-05	2.26E-10	1.85E-07	2.99E-07	7.17E-05	9.06E-05	2.09E-04	1.39E-05	1.10E-05	3.25E-04
3574	480863.09	3850377.25	0.01673	0.00647	0.0025	0.00355	6.76E-05	1.93E-04	1.57E-05	1.12E-05	2.88E-04	6.15E-05	2.09E-10	2.09E-07	3.06E-07	6.20E-05	7.82E-05	1.93E-04	1.57E-05	1.12E-05	2.98E-04
3575	481363.09	3850377.25	0.01055	0.00425	0.0033	0.00345	4.26E-05	1.27E-04	2.10E-05	1.09E-05	2.01E-04	3.88E-05	1.37E-10	2.80E-07	2.97E-07	3.94E-05	4.93E-05	1.27E-04	2.10E-05	1.09E-05	2.08E-04
3576	481863.09	3850377.25	0.00971	0.00393	0.0038	0.00373	3.92E-05	1.17E-04	2.42E-05	1.18E-05	1.93E-04	3.57E-05	1.27E-10	3.23E-07	3.21E-07	3.63E-05	4.54E-05	1.17E-04	2.42E-05	1.18E-05	1.99E-04
3577	482363.09	3850377.25	0.00861	0.00366	0.003	0.00392	3.48E-05	1.09E-04	1.92E-05	1.24E-05	1.76E-04	3.17E-05	1.18E-10	2.56E-07	3.38E-07	3.22E-05	4.03E-05	1.09E-04	1.92E-05	1.24E-05	1.81E-04
3578	482863.09	3850377.25	0.00562	0.00281	0.0026	0.00348	2.27E-05	8.38E-05	1.63E-05	1.10E-05	1.34E-04	2.07E-05	9.06E-11	2.17E-07	3.00E-07	2.12E-05	2.63E-05	8.38E-05	1.63E-05	1.10E-05	1.37E-04
3579	483363.09	3850377.25	0.00437	0.00243	0.0025	0.00337	1.77E-05	7.25E-05	1.59E-05	1.06E-05	1.17E-04	1.61E-05	7.83E-11	2.13E-07	2.90E-07	1.66E-05	2.04E-05	7.25E-05	1.59E-05	1.06E-05	1.20E-04
3580	483863.09	3850377.25	0.00466	0.00252	0.0028	0.00341	1.88E-05	7.52E-05	1.77E-05	1.08E-05	1.22E-04	1.71E-05	8.12E-11	2.36E-07	2.94E-07	1.77E-05	2.18E-05	7.52E-05	1.77E-05	1.08E-05	1.25E-04
3581	484363.09	3850377.25	0.00582	0.00274	0.0033	0.00353	2.35E-05	8.17E-05	2.10E-05	1.11E-05	1.37E-04	2.14E-05	8.83E-11	2.80E-07	3.04E-07	2.20E-05	2.72E-05	8.17E-05	2.10E-05	1.11E-05	1.41E-04
3582	484863.09	3850377.25	0.00691	0.00299	0.0036	0.00374	2.79E-05	8.92E-05	2.31E-05	1.18E-05	1.52E-04	2.54E-05	9.64E-11	3.08E-07	3.22E-07	2.60E-05	3.23E-05	8.92E-05	2.31E-05	1.18E-05	1.56E-04
3583	485363.09	3850377.25	0.00639	0.00303	0.0044	0.00389	2.58E-05	9.04E-05	2.83E-05	1.23E-05	1.57E-04	2.35E-05	9.77E-11	3.77E-07	3.35E-07	2.42E-05	2.99E-05	9.04E-05	2.83E-05	1.23E-05	1.61E-04
3584	485863.09	3850377.25	0.00535	0.00277	0.005	0.00384	2.16E-05	8.26E-05	3.20E-05	1.21E-05	1.48E-04	1.97E-05	8.93E-11	4.26E-07	3.31E-07	2.04E-05	2.50E-05	8.26E-05	3.20E-05	1.21E-05	1.52E-04
3585	486363.09	3850377.25	0.00499	0.00268	0.0047	0.00378	2.02E-05	8.00E-05	3.01E-05	1.19E-05	1.42E-04	1.83E-05	8.64E-11	4.01E-07	3.25E-07	1.91E-05	2.33E-05	8.00E-05	3.01E-05	1.19E-05	1.45E-04
3586	486863.09	3850377.25	0.00481	0.00276	0.0039	0.00379	1.94E-05	8.23E-05	2.50E-05	1.20E-05	1.39E-04	1.77E-05	8.90E-11	3.33E-07	3.26E-07	1.83E-05	2.25E-05	8.23E-05	2.50E-05	1.20E-05	1.42E-04
3587	487363.09	3850377.25	0.00439	0.00265	0.003	0.0038	1.77E-05	7.91E-05	1.90E-05	1.20E-05	1.28E-04	1.61E-05	8.54E-11	2.53E-07	3.27E-07	1.67E-05	2.05E-05	7.91E-05	1.90E-05	1.20E-05	1.31E-04
3588	487863.09	3850377.25	0.00429	0.00257	0.0028	0.00386	1.73E-05	7.67E-05	1.76E-05	1.22E-05	1.24E-04	1.58E-05	8.28E-11	2.35E-07	3.32E-07	1.63E-05	2.01E-05	7.67E-05	1.76E-05	1.22E-05	1.27E-04
3589	488363.09	3850377.25	0.00439	0.00262	0.0031	0.00398	1.77E-05	7.82E-05	1.95E-05	1.26E-05	1.28E-04	1.61E-05	8.44E-11	2.59E-07	3.43E-07	1.67E-05	2.05E-05	7.82E-05	1.95E-05	1.26E-05	1.31E-04
3590	488863.09	3850377.25	0.0046	0.00268	0.0035	0.00414	1.86E-05	8.00E-05	2.26E-05	1.31E-05	1.34E-04	1.69E-05	8.64E-11	3.01E-07	3.56E-07	1.76E-05	2.15E-05	8.00E-05	2.26E-05	1.31E-05	1.37E-04
3591	489363.09	3850377.25	0.00463	0.00274	0.0038	0.00439	1.87E-05	8.17E-05	2.41E-05	1.39E-05	1.38E-04	1.70E-05	8.83E-11	3.21E-07	3.78E-07	1.77E-05	2.17E-05	8.17E-05	2.41E-05	1.39E-05	1.41E-04
3592	489863.09	3850377.25	0.00461	0.00272	0.0037	0.00462	1.86E-05	8.11E-05	2.35E-05	1.46E-05	1.38E-04	1.69E-05	8.77E-11	3.13E-07	3.98E-07	1.77E-05	2.16E-05	8.11E-05	2.35E-05	1.46E-05	1.41E-04
3593	490363.09	3850377.25	0.0047	0.00274	0.0037	0.00475	1.90E-05	8.17E-05	2.34E-05	1.50E-05	1.39E-04	1.73E-05	8.83E-11	3.12E-07	4.09E-07	1.80E-05	2.20E-05	8.17E-05	2.34E-05	1.50E-05	1.42E-04
3594	490863.09	3850377.25	0.00474	0.00284	0.0037	0.00483	1.92E-05	8.47E-05	2.37E-05	1.53E-05	1.43E-04	1.74E-05	9.15E-11	3.16E-07	4.16E-07	1.82E-05	2.22E-05	8.47E-05	2.37E-05	1.53E-05	1.46E-04
3595	491363.09	3850377.25	0.00487	0.00291	0.0035	0.00498	1.97E-05	8.68E-05	2.22E-05	1.57E-05	1.44E-04	1.79E-05	9.38E-11	2.96E-07	4.29E-07	1.86E-05	2.28E-05	8.68E-05	2.22E-05	1.57E-05	1.48E-04

3596	491863.09	3850377.25	0.00485	0.00289	0.0031	0.0051	1.96E-05	8.62E-05	2.00E-05	1.61E-05	1.42E-04	1.78E-05	9.31E-11	2.67E-07	4.39E-07	1.85E-05	2.27E-05	8.62E-05	2.00E-05	1.61E-05	1.45E-04
3597	492363.09	3850377.25	0.0048	0.00287	0.0029	0.00523	1.94E-05	8.56E-05	1.88E-05	1.65E-05	1.40E-04	1.76E-05	9.25E-11	2.50E-07	4.50E-07	1.83E-05	2.24E-05	8.56E-05	1.88E-05	1.65E-05	1.43E-04
3598	492863.09	3850377.25	0.00491	0.00295	0.003	0.00539	1.98E-05	8.80E-05	1.89E-05	1.70E-05	1.44E-04	1.81E-05	9.51E-11	2.53E-07	4.64E-07	1.88E-05	2.30E-05	8.80E-05	1.89E-05	1.70E-05	1.47E-04
3599	493363.09	3850377.25	0.00496	0.00297	0.0031	0.00546	2.00E-05	8.86E-05	1.99E-05	1.72E-05	1.46E-04	1.82E-05	9.57E-11	2.65E-07	4.70E-07	1.90E-05	2.32E-05	8.86E-05	1.99E-05	1.72E-05	1.49E-04
3600	493863.09	3850377.25	0.00566	0.00327	0.0036	0.00568	2.29E-05	9.76E-05	2.29E-05	1.79E-05	1.61E-04	2.08E-05	1.05E-10	3.05E-07	4.89E-07	2.16E-05	2.65E-05	9.76E-05	2.29E-05	1.79E-05	1.65E-04
3601	494363.09	3850377.25	0.00632	0.00353	0.0042	0.0059	2.55E-05	1.05E-04	2.65E-05	1.86E-05	1.76E-04	2.32E-05	1.14E-10	3.53E-07	5.08E-07	2.41E-05	2.96E-05	1.05E-04	2.65E-05	1.86E-05	1.80E-04
3602	494863.09	3850377.25	0.00736	0.00395	0.0049	0.00613	2.98E-05	1.18E-04	3.13E-05	1.94E-05	1.98E-04	2.71E-05	1.27E-10	4.17E-07	5.28E-07	2.80E-05	3.44E-05	1.18E-04	3.13E-05	1.94E-05	2.03E-04
3603	495363.09	3850377.25	0.00868	0.00445	0.0055	0.00638	3.51E-05	1.33E-04	3.50E-05	2.01E-05	2.23E-04	3.19E-05	1.43E-10	4.67E-07	5.49E-07	3.29E-05	4.06E-05	1.33E-04	3.50E-05	2.01E-05	2.29E-04
3604	495863.09	3850377.25	0.00871	0.00447	0.0057	0.00655	3.52E-05	1.33E-04	3.62E-05	2.07E-05	2.25E-04	3.20E-05	1.44E-10	4.83E-07	5.64E-07	3.31E-05	4.07E-05	1.33E-04	3.62E-05	2.07E-05	2.31E-04
3605	496363.09	3850377.25	0.0101	0.00493	0.006	0.00678	4.08E-05	1.47E-04	3.81E-05	2.14E-05	2.47E-04	3.71E-05	1.59E-10	5.08E-07	5.84E-07	3.82E-05	4.72E-05	1.47E-04	3.81E-05	2.14E-05	2.54E-04
3606	496863.09	3850377.25	0.01148	0.00539	0.006	0.00702	4.64E-05	1.61E-04	3.80E-05	2.22E-05	2.67E-04	4.22E-05	1.74E-10	5.06E-07	6.04E-07	4.33E-05	5.37E-05	1.61E-04	3.80E-05	2.22E-05	2.75E-04
3607	497363.09	3850377.25	0.01226	0.00566	0.006	0.00722	4.96E-05	1.69E-04	3.81E-05	2.28E-05	2.79E-04	4.51E-05	1.82E-10	5.08E-07	6.22E-07	4.62E-05	5.73E-05	1.69E-04	3.81E-05	2.28E-05	2.87E-04
3608	497863.09	3850377.25	0.01242	0.00577	0.0062	0.00734	5.02E-05	1.72E-04	3.94E-05	2.32E-05	2.85E-04	4.57E-05	1.86E-10	5.26E-07	6.32E-07	4.68E-05	5.81E-05	1.72E-04	3.94E-05	2.32E-05	2.93E-04
3609	498363.09	3850377.25	0.01249	0.00588	0.0066	0.00749	5.05E-05	1.75E-04	4.19E-05	2.36E-05	2.91E-04	4.59E-05	1.90E-10	5.59E-07	6.45E-07	4.71E-05	5.84E-05	1.75E-04	4.19E-05	2.36E-05	2.99E-04
3610	471363.09	3850877.25	0.00664	0.00365	0.0025	0.00276	2.68E-05	1.09E-04	1.61E-05	8.71E-06	1.61E-04	2.44E-05	1.18E-10	2.14E-07	2.38E-07	2.49E-05	3.11E-05	1.09E-04	1.61E-05	8.71E-06	1.65E-04
3611	471863.09	3850877.25	0.00699	0.0041	0.0025	0.00281	2.83E-05	1.22E-04	1.58E-05	8.87E-06	1.75E-04	2.57E-05	1.32E-10	2.11E-07	2.42E-07	2.62E-05	3.27E-05	1.22E-04	1.58E-05	8.87E-06	1.80E-04
3612	472363.09	3850877.25	0.00744	0.00485	0.0024	0.00286	3.01E-05	1.45E-04	1.54E-05	9.03E-06	1.99E-04	2.74E-05	1.56E-10	2.06E-07	2.46E-07	2.78E-05	3.48E-05	1.45E-04	1.54E-05	9.03E-06	2.04E-04
3613	472863.09	3850877.25	0.00778	0.0058	0.0023	0.00288	3.14E-05	1.73E-04	1.45E-05	9.09E-06	2.28E-04	2.86E-05	1.87E-10	1.94E-07	2.48E-07	2.90E-05	3.64E-05	1.73E-04	1.45E-05	9.09E-06	2.33E-04
3614	473363.09	3850877.25	0.00765	0.00568	0.0021	0.00287	3.09E-05	1.69E-04	1.34E-05	9.06E-06	2.23E-04	2.81E-05	1.83E-10	1.79E-07	2.47E-07	2.86E-05	3.58E-05	1.69E-04	1.34E-05	9.06E-06	2.28E-04
3615	473863.09	3850877.25	0.00832	0.00656	0.002	0.0029	3.36E-05	1.96E-04	1.26E-05	9.16E-06	2.51E-04	3.06E-05	2.11E-10	1.68E-07	2.50E-07	3.10E-05	3.89E-05	1.96E-04	1.26E-05	9.16E-06	2.56E-04
3616	474363.09	3850877.25	0.00905	0.00749	0.0019	0.00294	3.66E-05	2.23E-04	1.22E-05	9.28E-06	2.82E-04	3.33E-05	2.41E-10	1.63E-07	2.53E-07	3.37E-05	4.23E-05	2.23E-04	1.22E-05	9.28E-06	2.87E-04
3617	474863.09	3850877.25	0.00979	0.00777	0.0019	0.00297	3.96E-05	2.32E-04	1.23E-05	9.38E-06	2.93E-04	3.60E-05	2.50E-10	1.64E-07	2.56E-07	3.64E-05	4.58E-05	2.32E-04	1.23E-05	9.38E-06	2.99E-04
3618	475363.09	3850877.25	0.01077	0.00795	0.002	0.00301	4.35E-05	2.37E-04	1.28E-05	9.50E-06	3.03E-04	3.96E-05	2.56E-10	1.70E-07	2.59E-07	4.00E-05	5.04E-05	2.37E-04	1.28E-05	9.50E-06	3.10E-04
3619	475863.09	3850877.25	0.01191	0.00805	0.0021	0.00306	4.81E-05	2.40E-04	1.33E-05	9.66E-06	3.11E-04	4.38E-05	2.59E-10	1.78E-07	2.63E-07	4.42E-05	5.57E-05	2.40E-04	1.33E-05	9.66E-06	3.19E-04
3620	476363.09	3850877.25	0.01283	0.00804	0.0022	0.00311	5.19E-05	2.40E-04	1.37E-05	9.82E-06	3.15E-04	4.72E-05	2.59E-10	1.83E-07	2.68E-07	4.76E-05	6.00E-05	2.40E-04	1.37E-05	9.82E-06	3.23E-04
3621	476863.09	3850877.25	0.01353	0.00787	0.0022	0.00315	5.47E-05	2.35E-04	1.38E-05	9.95E-06	3.13E-04	4.97E-05	2.54E-10	1.84E-07	2.71E-07	5.02E-05	6.33E-05	2.35E-04	1.38E-05	9.95E-06	3.22E-04
3622	477363.09	3850877.25	0.01388	0.0079	0.0022	0.00318	5.61E-05	2.36E-04	1.37E-05	1.00E-05	3.16E-04	5.10E-05	2.55E-10	1.83E-07	2.74E-07	5.15E-05	6.49E-05	2.36E-04	1.37E-05	1.00E-05	3.24E-04
3623	477863.09	3850877.25	0.01398	0.00898	0.0022	0.00317	5.65E-05	2.68E-04	1.37E-05	1.00E-05	3.48E-04	5.14E-05	2.89E-10	1.83E-07	2.73E-07	5.19E-05	6.54E-05	2.68E-04	1.37E-05	1.00E-05	3.57E-04
3624	478363.09	3850877.25	0.01398	0.01114	0.0022	0.00314	5.65E-05	3.32E-04	1.41E-05	9.91E-06	4.13E-04	5.14E-05	3.59E-10	1.88E-07	2.70E-07	5.19E-05	6.54E-05	3.32E-04	1.41E-05	9.91E-06	4.22E-04
3625	478863.09	3850877.25	0.01376	0.0127	0.0023	0.00313	5.56E-05	3.79E-04	1.45E-05	9.88E-06	4.59E-04	5.06E-05	4.09E-10	1.94E-07	2.70E-07	5.11E-05	6.44E-05	3.79E-04	1.45E-05	9.88E-06	4.68E-04
3626	479363.09	3850877.25	0.01343	0.01216	0.0023	0.00319	5.43E-05	3.63E-04	1.48E-05	1.01E-05	4.42E-04	4.94E-05	3.92E-10	1.97E-07	2.75E-07	4.98E-05	6.28E-05	3.63E-04	1.48E-05	1.01E-05	4.50E-04
3627	479863.09	3850877.25	0.01519	0.01091	0.0023	0.0033	6.14E-05	3.25E-04	1.47E-05	1.04E-05	4.12E-04	5.58E-05	3.52E-10	1.96E-07	2.84E-07	5.63E-05	7.10E-05	3.25E-04	1.47E-05	1.04E-05	4.22E-04
3628	480363.09	3850877.25	0.02015	0.01052	0.0023	0.00339	8.15E-05	3.14E-04	1.45E-05	1.07E-05	4.21E-04	7.41E-05	3.39E-10	1.94E-07	2.92E-07	7.46E-05	9.42E-05	3.14E-04	1.45E-05	1.07E-05	4.33E-04
3629	480863.09	3850877.25	0.02297	0.00931	0.0023	0.00361	9.28E-05	2.78E-04	1.47E-05	1.14E-05	3.97E-04	8.44E-05	3.00E-10	1.96E-07	3.11E-07	8.50E-05	1.07E-04	2.78E-04	1.47E-05	1.14E-05	4.11E-04
3630	481363.09	3850877.25	0.01941	0.00772	0.0026	0.00378	7.85E-05	2.30E-04	1.65E-05	1.19E-05	3.37E-04	7.14E-05	2.49E-10	2.19E-07	3.25E-07	7.19E-05	9.08E-05	2.30E-04	1.65E-05	1.19E-05	3.49E-04
3631	481863.09	3850877.25	0.01569	0.00628	0.0035	0.00397	6.34E-05	1.87E-04	2.21E-05	1.25E-05	2.85E-04	5.77E-05	2.02E-10	2.95E-07	3.42E-07	5.83E-05	7.34E-05	1.87E-04	2.21E-05	1.25E-05	2.95E-04
3632	482363.09	3850877.25	0.01252	0.00482	0.0038	0.0042	5.06E-05	1.44E-04	2.40E-05	1.33E-05	2.32E-04	4.60E-05	1.55E-10	3.21E-07	3.62E-07	4.67E-05	5.86E-05	1.44E-04	2.40E-05	1.33E-05	2.40E-04
3633	482863.09	3850877.25	0.00988	0.00401	0.0032	0.00431	3.99E-05	1.20E-04	2.02E-05	1.36E-05	1.93E-04	3.63E-05	1.29E-10	2.69E-07	3.71E-07	3.70E-05	4.62E-05	1.20E-04	2.02E-05	1.36E-05	2.00E-04
3634	483363.09	3850877.25	0.00726	0.00327	0.0031	0.00383	2.93E-05	9.76E-05	1.98E-05	1.21E-05	1.59E-04	2.67E-05	1.05E-10	2.64E-07	3.30E-07	2.73E-05	3.40E-05	9.76E-05	1.98E-05	1.21E-05	1.63E-04
3635	483863.09	3850877.25	0.00674	0.00314	0.0034	0.00372	2.72E-05	9.37E-05	2.15E-05	1.17E-05	1.54E-04	2.48E-05	1.01E-10	2.87E-07	3.20E-07	2.54E-05	3.15E-05	9.37E-05	2.15E-05	1.17E-05	1.58E-04
3636	484363.09	3850877.25	0.00812	0.00346	0.0038	0.00386	3.28E-05	1.03E-04	2.44E-05	1.22E-05	1.73E-04	2.99E-05	1.12E-10	3.25E-07	3.32E-07	3.05E-05	3.80E-05	1.03E-04	2.44E-05	1.22E-05	1.78E-04
3637	484863.09	3850877.25	0.00816	0.00332	0.0038	0.00409	3.30E-05	9.90E-05	2.41E-05	1.29E-05	1.69E-04	3.00E-05	1.07E-10	3.21E-07	3.52E-07	3.07E-05	3.82E-05	9.90E-05	2.41E-05	1.29E-05	1.74E-04
3638	485363.09	3850877.25	0.00789	0.00351	0.0044	0.00429	3.19E-05	1.05E-04	2.83E-05	1.35E-05	1.78E-04	2.90E-05	1.13E-10	3.78E-07	3.69E-07	2.98E-05	3.69E-05	1.05E-04	2.83E-05	1.35E-05	1.83E-04
3639	485863.09	3850877.25	0.00647	0.00315	0.0054	0.00421	2.62E-05	9.40E-05	3.41E-05	1.33E-05	1.68E-04	2.38E-05	1.02E-10	4.55E-07	3.63E-07	2.46E-05	3.03E-05	9.40E-05	3.41E-05	1.33E-05	1.72E-04
3640	486363.09	3850877.25	0.00631	0.00321	0.0054	0.00431	2.55E-05	9.58E-05	3.47E-05	1.36E-05	1.70E-04	2.32E-05	1.03E-10	4.63E-07	3.71E-07	2.40E-05	2.95E-05	9.58E-05	3.47E-05	1.36E-05	1.74E-04
3641	486863.09	3850877.25	0.00598	0.00326	0.0047	0.00434	2.42E-05	9.73E-05	2.99E-05	1.37E-05	1.65E-04	2.20E-05	1.05E-10	3.98E-07	3.74E-07	2.28E-05	2.80E-05	9.73E-05	2.99E-05	1.37E-05	1.69E-04
3642	487363.09	3850877.25	0.00537	0.00313	0.0034	0.00426	2.17E-05	9.34E-05	2.15E-05	1.35E-05	1.50E-04	1.97E-05	1.01E-10	2.87E-07	3.67E-07	2.04E-05	2.51E-05	9.34E-05	2.15E-05	1.35E-05	1.53E-04
3643	487863.09	3850877.25	0.00535	0.00306	0.003	0.00433	2.16E-05	9.13E-05	1.90E-05	1.37E-05	1.46E-04	1.97E-05	9.86E-11	2.53E-07	3.73E-07	2.03E-05	2.50E-05	9.13E-05	1.90E-05	1.37E-05	1.49E-04
3644	488363.09	3850877.25	0.0057	0.00315	0.0033	0.00451	2.30E-05	9.40E-05	2.09E-05	1.42E-05	1.52E-04	2.10E-05	1.02E-10	2.79E-07	3.88E-07	2.16E-05	2.67E-05	9.40E-05	2.09E-05	1.42E-05	1.56E-04
3645	488863.09	3850877.25	0.00577	0.00321	0.0038	0.00478	2.33E-05	9.58E-05	2.43E-05	1.51E-05	1.58E-04	2.12E-05	1.03E-10	3.24E-07	4.12E-07	2.19E-05	2.70E-05	9.58E-05	2.43E-05	1.51E-05	1.62E-04
3646	489363.09	3850877.25	0.00586	0.00331	0.0041	0.00508	2.37E-05	9.87E-05	2.61E-05	1.60E-05	1.65E-04	2.15E-05	1.07E-10	3.48E-07	4.37E-07	2.23E-05	2.74E-05	9.87E-05	2.61E-05	1.60E-05	1.68E-04
3647	489863.09	3850877.25	0.00596	0.00333	0.0039	0.0053	2.41E-05	9.93E-05	2.49E-05	1.67E-05	1.65E-04	2.19E-05	1.07E-10	3.33E-07	4.56E-07	2.27E-05	2.79E-05	9.93E-05	2.49E-05	1.67E-05	1.69E-04
3648	490363.09	3850877.25	0.00612	0.00345	0.0041	0.00544	2.47E-05	1.03E-04	2.59E-05	1.72E-05	1.71E-04	2.25E-05	1.11E-10	3.45E-07	4.68E-07	2.33E-05	2.86E-05	1.03E-04	2.59E-05	1.72E-05	1.75E-04
3649	490863.09	3850877.25	0.00638	0.00358	0.004	0.00559	2.58E-05	1.07E-04	2.55E-05	1.76E-05	1.76E-04	2.35E-05	1.15E-10	3.39E-07	4.81E-07	2.43E-05	2.98E-05	1.07E-04	2.55E-05	1.76E-05	1.80E-04
3650	491363.09	3850877.25	0.00653	0.00362	0.0036	0.00574	2.64E-05	1.08E-04	2.30E-05	1.81E-05	1.75E-04	2.40E-05	1.17E-10	3.06E-07	4.94E-07	2.48E-05	3.05E-05	1.08E-04	2.30E-05	1.81E-05	1.80E-04
3651	491863.09	3850877.25	0.00666	0.00364	0.0033	0.0059	2.69E-05	1.09E-04	2.10E-05	1.86E-05	1.75E-04	2.45E-05	1.17E-10	2.80E-07	5.08E-07	2.53E-05	3.11E-05	1.09E-04	2.10E-05	1.86E-05	1.79E-04
3652	492363.09	3850877.25	0.00672	0.0037	0.0033	0.00604	2.72E-05	1.10E-04	2.09E-05	1.91E-05	1.78E-04	2.47E-05	1.19E-10	2.79E-07	5.20E-07	2.55E-05	3.14E-05	1.10E-04	2.09E-05	1.91E-05	1.82E-04
3653	492863.09	3850877.25	0.00696	0.00384	0.0034	0.00622	2.81E-05	1.15E-04	2.17E-05	1.96E-05	1.84E-04	2.56E-05	1.24E-10	2.89E-07	5.36E-07	2.64E-05	3.25E-05	1.15E-04	2.17E-05	1.96E-05	1.88E-04
3654	493363.09	3850877.25	0.0074	0.00401	0.0039	0.00638	2.99E-05	1.20E-04	2.46E-05	2.01E-05	1.94E-04	2.72E-05	1.29E-10	3.28E-07	5.49E-07	2.81E-05	3.46E-05	1.20E-04	2.46E-05	2.01E-05	1.99E-04
3655	493863.09	3850877.25	0.00849	0.0044	0.0045	0.00661	3.43E-05	1.31E-04	2.90E-05	2.09E-05	2.15E-04	3.12E-05	1.42E-10	3.86E-07	5.69E-07	3.22E-05	3.97E-05	1.31E-04	2.90E-05	2.09E-05	2.21E-04
3656	494363.09	3850877.25	0.00928	0.00466	0.0052	0.0068	3.75E-05	1.39E-04	3.32E-05	2.15E-05	2.31E-04	3.41E-05	1.50E-10	4.43E-07	5.86E-07	3.51E-05	4.34E-05	1.39E-04	3.32E-05	2.15E-05	2.37E-04

3657	494863.09	3850877.25	0.01065	0.00515	0.0059	0.00704	4.30E-05	1.54E-04	3.74E-05	2.22E-05	2.56E-04	3.92E-05	1.66E-10	4.99E-07	6.06E-07	4.03E-05	4.98E-05	1.54E-04	3.74E-05	2.22E-05	2.63E-04
3658	495363.09	3850877.25	0.01217	0.00567	0.0064	0.00733	4.92E-05	1.69E-04	4.10E-05	2.31E-05	2.83E-04	4.47E-05	1.83E-10	5.47E-07	6.31E-07	4.59E-05	5.69E-05	1.69E-04	4.10E-05	2.31E-05	2.90E-04
3659	495863.09	3850877.25	0.01279	0.00587	0.0065	0.00753	5.17E-05	1.75E-04	4.14E-05	2.38E-05	2.92E-04	4.70E-05	1.89E-10	5.52E-07	6.48E-07	4.82E-05	5.98E-05	1.75E-04	4.14E-05	2.38E-05	3.00E-04
3660	496363.09	3850877.25	0.01374	0.00618	0.0064	0.00775	5.55E-05	1.84E-04	4.09E-05	2.45E-05	3.05E-04	5.05E-05	1.99E-10	5.45E-07	6.67E-07	5.17E-05	6.43E-05	1.84E-04	4.09E-05	2.45E-05	3.14E-04
3661	496863.09	3850877.25	0.01513	0.00666	0.0066	0.00798	6.12E-05	1.99E-04	4.20E-05	2.52E-05	3.27E-04	5.56E-05	2.15E-10	5.60E-07	6.87E-07	5.69E-05	7.08E-05	1.99E-04	4.20E-05	2.52E-05	3.37E-04
3662	497363.09	3850877.25	0.01542	0.00683	0.0068	0.00811	6.23E-05	2.04E-04	4.34E-05	2.56E-05	3.35E-04	5.67E-05	2.20E-10	5.78E-07	6.98E-07	5.80E-05	7.21E-05	2.04E-04	4.34E-05	2.56E-05	3.45E-04
3663	497863.09	3850877.25	0.01532	0.0069	0.0072	0.0082	6.19E-05	2.06E-04	4.60E-05	2.59E-05	3.40E-04	5.63E-05	2.22E-10	6.13E-07	7.06E-07	5.76E-05	7.16E-05	2.06E-04	4.60E-05	2.59E-05	3.49E-04
3664	498363.09	3850877.25	0.01515	0.00695	0.0077	0.00827	6.12E-05	2.07E-04	4.88E-05	2.61E-05	3.43E-04	5.57E-05	2.24E-10	6.51E-07	7.12E-07	5.71E-05	7.09E-05	2.07E-04	4.88E-05	2.61E-05	3.53E-04
3665	471363.09	3851377.25	0.00743	0.00379	0.003	0.00296	3.00E-05	1.13E-04	1.89E-05	9.35E-06	1.71E-04	2.73E-05	1.22E-10	2.53E-07	2.55E-07	2.78E-05	3.47E-05	1.13E-04	1.89E-05	9.35E-06	1.76E-04
3666	471863.09	3851377.25	0.00878	0.00464	0.0031	0.00305	3.55E-05	1.38E-04	1.95E-05	9.63E-06	2.03E-04	3.23E-05	1.50E-10	2.59E-07	2.63E-07	3.28E-05	4.11E-05	1.38E-04	1.95E-05	9.63E-06	2.09E-04
3667	472363.09	3851377.25	0.00889	0.00481	0.0029	0.00306	3.59E-05	1.43E-04	1.87E-05	9.66E-06	2.08E-04	3.27E-05	1.55E-10	2.49E-07	2.63E-07	3.32E-05	4.16E-05	1.43E-04	1.87E-05	9.66E-06	2.13E-04
3668	472863.09	3851377.25	0.00885	0.00501	0.0028	0.00308	3.58E-05	1.49E-04	1.78E-05	9.72E-06	2.13E-04	3.25E-05	1.61E-10	2.37E-07	2.65E-07	3.30E-05	4.14E-05	1.49E-04	1.78E-05	9.72E-06	2.18E-04
3669	473363.09	3851377.25	0.0081	0.0047	0.0026	0.00306	3.27E-05	1.40E-04	1.64E-05	9.66E-06	1.99E-04	2.98E-05	1.51E-10	2.19E-07	2.63E-07	3.03E-05	3.79E-05	1.40E-04	1.64E-05	9.66E-06	2.04E-04
3670	473863.09	3851377.25	0.00823	0.00517	0.0024	0.00308	3.33E-05	1.54E-04	1.54E-05	9.72E-06	2.13E-04	3.03E-05	1.67E-10	2.05E-07	2.65E-07	3.07E-05	3.85E-05	1.54E-04	1.54E-05	9.72E-06	2.18E-04
3671	474363.09	3851377.25	0.00909	0.00648	0.0023	0.00313	3.67E-05	1.93E-04	1.45E-05	9.88E-06	2.54E-04	3.34E-05	2.09E-10	1.94E-07	2.70E-07	3.39E-05	4.25E-05	1.93E-04	1.45E-05	9.88E-06	2.60E-04
3672	474863.09	3851377.25	0.00979	0.00762	0.0021	0.00316	3.96E-05	2.27E-04	1.37E-05	9.98E-06	2.91E-04	3.60E-05	2.46E-10	1.82E-07	2.72E-07	3.64E-05	4.58E-05	2.27E-04	1.37E-05	9.98E-06	2.97E-04
3673	475363.09	3851377.25	0.0105	0.00837	0.0021	0.00319	4.24E-05	2.50E-04	1.31E-05	1.01E-05	3.15E-04	3.86E-05	2.70E-10	1.75E-07	2.75E-07	3.91E-05	4.91E-05	2.50E-04	1.31E-05	1.01E-05	3.22E-04
3674	475863.09	3851377.25	0.0114	0.00871	0.0021	0.00324	4.61E-05	2.60E-04	1.32E-05	1.02E-05	3.29E-04	4.19E-05	2.81E-10	1.76E-07	2.79E-07	4.24E-05	5.33E-05	2.60E-04	1.32E-05	1.02E-05	3.37E-04
3675	476363.09	3851377.25	0.01265	0.00891	0.0021	0.00329	5.11E-05	2.66E-04	1.37E-05	1.04E-05	3.41E-04	4.65E-05	2.87E-10	1.82E-07	2.83E-07	4.70E-05	5.92E-05	2.66E-04	1.37E-05	1.04E-05	3.49E-04
3676	476863.09	3851377.25	0.01407	0.00866	0.0022	0.00334	5.69E-05	2.58E-04	1.42E-05	1.05E-05	3.40E-04	5.17E-05	2.79E-10	1.90E-07	2.88E-07	5.22E-05	6.58E-05	2.58E-04	1.42E-05	1.05E-05	3.49E-04
3677	477363.09	3851377.25	0.01523	0.00902	0.0023	0.0034	6.16E-05	2.69E-04	1.46E-05	1.07E-05	3.56E-04	5.60E-05	2.91E-10	1.95E-07	2.93E-07	5.65E-05	7.12E-05	2.69E-04	1.46E-05	1.07E-05	3.66E-04
3678	477863.09	3851377.25	0.01606	0.00903	0.0023	0.00344	6.49E-05	2.69E-04	1.46E-05	1.09E-05	3.60E-04	5.90E-05	2.91E-10	1.95E-07	2.96E-07	5.95E-05	7.51E-05	2.69E-04	1.46E-05	1.09E-05	3.70E-04
3679	478363.09	3851377.25	0.01642	0.00999	0.0023	0.00344	6.64E-05	2.98E-04	1.46E-05	1.09E-05	3.90E-04	6.04E-05	3.22E-10	1.95E-07	2.96E-07	6.09E-05	7.68E-05	2.98E-04	1.46E-05	1.09E-05	4.00E-04
3680	478863.09	3851377.25	0.01648	0.01263	0.0023	0.00342	6.66E-05	3.77E-04	1.49E-05	1.08E-05	4.69E-04	6.06E-05	4.07E-10	1.98E-07	2.94E-07	6.11E-05	7.71E-05	3.77E-04	1.49E-05	1.08E-05	4.80E-04
3681	479363.09	3851377.25	0.01634	0.0143	0.0024	0.00341	6.60E-05	4.27E-04	1.54E-05	1.08E-05	5.19E-04	6.01E-05	4.61E-10	2.05E-07	2.94E-07	6.06E-05	7.64E-05	4.27E-04	1.54E-05	1.08E-05	5.29E-04
3682	479863.09	3851377.25	0.01586	0.01409	0.0025	0.00348	6.41E-05	4.20E-04	1.58E-05	1.10E-05	5.11E-04	5.83E-05	4.54E-10	2.10E-07	3.00E-07	5.88E-05	7.42E-05	4.20E-04	1.58E-05	1.10E-05	5.21E-04
3683	480363.09	3851377.25	0.01745	0.01327	0.0025	0.00357	7.05E-05	3.96E-04	1.58E-05	1.13E-05	4.94E-04	6.42E-05	4.28E-10	2.11E-07	3.07E-07	6.47E-05	8.16E-05	3.96E-04	1.58E-05	1.13E-05	5.05E-04
3684	480863.09	3851377.25	0.0235	0.01258	0.0025	0.00372	9.50E-05	3.75E-04	1.56E-05	1.17E-05	4.98E-04	8.64E-05	4.05E-10	2.08E-07	3.20E-07	8.69E-05	1.10E-04	3.75E-04	1.56E-05	1.17E-05	5.13E-04
3685	481363.09	3851377.25	0.02646	0.01082	0.0025	0.00392	1.07E-04	3.23E-04	1.58E-05	1.24E-05	4.58E-04	9.73E-05	3.49E-10	2.10E-07	3.38E-07	9.78E-05	1.24E-04	3.23E-04	1.58E-05	1.24E-05	4.75E-04
3686	481863.09	3851377.25	0.02245	0.00886	0.0028	0.0042	9.07E-05	2.64E-04	1.77E-05	1.33E-05	3.86E-04	8.25E-05	2.86E-10	2.36E-07	3.62E-07	8.31E-05	1.05E-04	2.64E-04	1.77E-05	1.33E-05	4.00E-04
3687	482363.09	3851377.25	0.01911	0.00743	0.0036	0.00455	7.72E-05	2.22E-04	2.32E-05	1.44E-05	3.36E-04	7.03E-05	2.39E-10	3.09E-07	3.92E-07	7.10E-05	8.94E-05	2.22E-04	2.32E-05	1.44E-05	3.49E-04
3688	482863.09	3851377.25	0.01575	0.0056	0.0039	0.00477	6.37E-05	1.67E-04	2.49E-05	1.51E-05	2.71E-04	5.79E-05	1.80E-10	3.32E-07	4.11E-07	5.86E-05	7.37E-05	1.67E-04	2.49E-05	1.51E-05	2.81E-04
3689	483363.09	3851377.25	0.0108	0.00426	0.0032	0.00435	4.37E-05	1.27E-04	2.01E-05	1.37E-05	2.05E-04	3.97E-05	1.37E-10	2.68E-07	3.75E-07	4.03E-05	5.05E-05	1.27E-04	2.01E-05	1.37E-05	2.11E-04
3690	483863.09	3851377.25	0.00915	0.00377	0.0036	0.00414	3.70E-05	1.12E-04	2.29E-05	1.31E-05	1.85E-04	3.36E-05	1.22E-10	3.05E-07	3.56E-07	3.43E-05	4.28E-05	1.12E-04	2.29E-05	1.31E-05	1.91E-04
3691	484363.09	3851377.25	0.01157	0.00445	0.0051	0.0043	4.68E-05	1.33E-04	3.22E-05	1.36E-05	2.25E-04	4.25E-05	1.43E-10	4.29E-07	3.70E-07	4.33E-05	5.41E-05	1.33E-04	3.22E-05	1.36E-05	2.33E-04
3692	484863.09	3851377.25	0.00839	0.00348	0.0038	0.00438	3.39E-05	1.04E-04	2.43E-05	1.38E-05	1.76E-04	3.08E-05	1.12E-10	3.24E-07	3.77E-07	3.15E-05	3.92E-05	1.04E-04	2.43E-05	1.38E-05	1.81E-04
3693	485363.09	3851377.25	0.0104	0.00414	0.0044	0.00474	4.20E-05	1.24E-04	2.83E-05	1.50E-05	2.09E-04	3.82E-05	1.33E-10	3.77E-07	4.08E-07	3.90E-05	4.86E-05	1.24E-04	2.83E-05	1.50E-05	2.15E-04
3694	485863.09	3851377.25	0.00822	0.00375	0.0056	0.00476	3.32E-05	1.12E-04	3.59E-05	1.50E-05	1.96E-04	3.02E-05	1.21E-10	4.79E-07	4.10E-07	3.11E-05	3.84E-05	1.12E-04	3.59E-05	1.50E-05	2.01E-04
3695	486363.09	3851377.25	0.00815	0.00393	0.0063	0.00506	3.29E-05	1.17E-04	4.01E-05	1.60E-05	2.06E-04	3.00E-05	1.27E-10	5.35E-07	4.36E-07	3.09E-05	3.81E-05	1.17E-04	4.01E-05	1.60E-05	2.11E-04
3696	486863.09	3851377.25	0.00751	0.00387	0.0057	0.00497	3.04E-05	1.15E-04	3.64E-05	1.57E-05	1.98E-04	2.76E-05	1.25E-10	4.86E-07	4.28E-07	2.85E-05	3.51E-05	1.15E-04	3.64E-05	1.57E-05	2.03E-04
3697	487363.09	3851377.25	0.00614	0.00354	0.0037	0.00477	2.48E-05	1.06E-04	2.39E-05	1.51E-05	1.69E-04	2.26E-05	1.14E-10	3.18E-07	4.11E-07	2.33E-05	2.87E-05	1.06E-04	2.39E-05	1.51E-05	1.73E-04
3698	487863.09	3851377.25	0.00696	0.00368	0.0032	0.00497	2.81E-05	1.10E-04	2.06E-05	1.57E-05	1.74E-04	2.56E-05	1.19E-10	2.75E-07	4.28E-07	2.63E-05	3.25E-05	1.10E-04	2.06E-05	1.57E-05	1.79E-04
3699	488363.09	3851377.25	0.00746	0.00388	0.0035	0.00531	3.02E-05	1.16E-04	2.26E-05	1.68E-05	1.85E-04	2.74E-05	1.25E-10	3.01E-07	4.57E-07	2.82E-05	3.49E-05	1.16E-04	2.26E-05	1.68E-05	1.90E-04
3700	488863.09	3851377.25	0.00749	0.00403	0.0041	0.00568	3.03E-05	1.20E-04	2.63E-05	1.79E-05	1.95E-04	2.75E-05	1.30E-10	3.50E-07	4.89E-07	2.84E-05	3.50E-05	1.20E-04	2.63E-05	1.79E-05	1.99E-04
3701	489363.09	3851377.25	0.00762	0.00413	0.0044	0.00594	3.08E-05	1.23E-04	2.79E-05	1.88E-05	2.01E-04	2.80E-05	1.33E-10	3.73E-07	5.11E-07	2.89E-05	3.56E-05	1.23E-04	2.79E-05	1.88E-05	2.06E-04
3702	489863.09	3851377.25	0.00784	0.00418	0.0044	0.00613	3.17E-05	1.25E-04	2.82E-05	1.94E-05	2.04E-04	2.88E-05	1.35E-10	3.76E-07	5.28E-07	2.97E-05	3.67E-05	1.25E-04	2.82E-05	1.94E-05	2.09E-04
3703	490363.09	3851377.25	0.00824	0.00437	0.0045	0.00629	3.33E-05	1.30E-04	2.88E-05	1.99E-05	2.12E-04	3.03E-05	1.41E-10	3.84E-07	5.42E-07	3.12E-05	3.85E-05	1.30E-04	2.88E-05	1.99E-05	2.18E-04
3704	490863.09	3851377.25	0.00879	0.00454	0.0042	0.00648	3.55E-05	1.35E-04	2.70E-05	2.05E-05	2.18E-04	3.23E-05	1.46E-10	3.60E-07	5.58E-07	3.32E-05	4.11E-05	1.35E-04	2.70E-05	2.05E-05	2.24E-04
3705	491363.09	3851377.25	0.00906	0.0046	0.0037	0.00667	3.66E-05	1.37E-04	2.37E-05	2.11E-05	2.19E-04	3.33E-05	1.48E-10	3.16E-07	5.74E-07	3.42E-05	4.24E-05	1.37E-04	2.37E-05	2.11E-05	2.24E-04
3706	491863.09	3851377.25	0.00929	0.00469	0.0036	0.00686	3.76E-05	1.40E-04	2.28E-05	2.17E-05	2.22E-04	3.42E-05	1.51E-10	3.04E-07	5.91E-07	3.50E-05	4.34E-05	1.40E-04	2.28E-05	2.17E-05	2.28E-04
3707	492363.09	3851377.25	0.00973	0.00489	0.0036	0.00703	3.93E-05	1.46E-04	2.32E-05	2.22E-05	2.31E-04	3.58E-05	1.58E-10	3.09E-07	6.05E-07	3.67E-05	4.55E-05	1.46E-04	2.32E-05	2.22E-05	2.37E-04
3708	492863.09	3851377.25	0.01004	0.005	0.004	0.00718	4.06E-05	1.49E-04	2.55E-05	2.27E-05	2.38E-04	3.69E-05	1.61E-10	3.40E-07	6.18E-07	3.79E-05	4.70E-05	1.49E-04	2.55E-05	2.27E-05	2.44E-04
3709	493363.09	3851377.25	0.00956	0.00481	0.0047	0.00729	3.86E-05	1.43E-04	2.99E-05	2.30E-05	2.35E-04	3.51E-05	1.55E-10	3.99E-07	6.28E-07	3.62E-05	4.47E-05	1.43E-04	2.99E-05	2.30E-05	2.41E-04
3710	493863.09	3851377.25	0.01089	0.00525	0.0055	0.00755	4.40E-05	1.57E-04	3.48E-05	2.38E-05	2.59E-04	4.00E-05	1.69E-10	4.64E-07	6.50E-07	4.12E-05	5.09E-05	1.57E-04	3.48E-05	2.38E-05	2.66E-04
3711	494363.09	3851377.25	0.0134	0.00608	0.0063	0.00785	5.42E-05	1.81E-04	4.02E-05	2.48E-05	3.01E-04	4.93E-05	1.96E-10	5.37E-07	6.76E-07	5.05E-05	6.27E-05	1.81E-04	4.02E-05	2.48E-05	3.09E-04
3712	494863.09	3851377.25	0.01438	0.00643	0.0069	0.0081	5.81E-05	1.92E-04	4.38E-05	2.56E-05	3.19E-04	5.29E-05	2.07E-10	5.83E-07	6.97E-07	5.41E-05	6.72E-05	1.92E-04	4.38E-05	2.56E-05	3.28E-04
3713	495363.09	3851377.25	0.01702	0.00726	0.0075	0.00849	6.88E-05	2.17E-04	4.80E-05	2.68E-05	3.60E-04	6.26E-05	2.34E-10	6.40E-07	7.31E-07	6.39E-05	7.96E-05	2.17E-04	4.80E-05	2.68E-05	3.71E-04
3714	495863.09	3851377.25	0.01825	0.00767	0.0073	0.00872	7.38E-05	2.29E-04	4.66E-05	2.75E-05	3.77E-04	6.71E-05	2.47E-10	6.21E-07	7.51E-07	6.85E-05	8.53E-05	2.29E-04	4.66E-05	2.75E-05	3.88E-04
3715	496363.09	3851377.25	0.01893	0.00793	0.0073	0.00887	7.65E-05	2.37E-04	4.64E-05	2.80E-05	3.87E-04	6.96E-05	2.56E-10	6.18E-07	7.64E-07	7.10E-05	8.85E-05	2.37E-04	4.64E-05	2.80E-05	3.99E-04
3716	496863.09	3851377.25	0.0192	0.00812	0.0076	0.00897	7.76E-05	2.42E-04	4.83E-05	2.83E-05	3.96E-04	7.06E-05	2.62E-10	6.44E-07	7.72E-07	7.20E-05	8.98E-05	2.42E-04	4.83E-05	2.83E-05	4.09E-04
3717	497363.09	3851377.25	0.01931	0.00827	0.0081	0.00907	7.81E-05	2.47E-04	5.13E-05	2.86E-05	4.05E-04	7.10E-05	2.67E-10	6.85E-07	7.81E-07	7.25E-05	9.03E-05	2.47E-04	5.13E-05	2.86E-05	4.17E-04

3718	497863.09	3851377.25	0.01912	0.00832	0.0085	0.0091	7.73E-05	2.48E-04	5.42E-05	2.87E-05	4.08E-04	7.03E-05	2.68E-10	7.23E-07	7.84E-07	7.18E-05	8.94E-05	2.48E-04	5.42E-05	2.87E-05	4.21E-04
3719	498363.09	3851377.25	0.01819	0.00814	0.0089	0.00908	7.35E-05	2.43E-04	5.67E-05	2.87E-05	4.02E-04	6.69E-05	2.62E-10	7.56E-07	7.82E-07	6.84E-05	8.51E-05	2.43E-04	5.67E-05	2.87E-05	4.13E-04
3720	471363.09	3851877.25	0.00773	0.00419	0.0032	0.00315	3.12E-05	1.25E-04	2.07E-05	9.95E-06	1.87E-04	2.84E-05	1.35E-10	2.76E-07	2.71E-07	2.90E-05	3.62E-05	1.25E-04	2.07E-05	9.95E-06	1.92E-04
3721	471863.09	3851877.25	0.00778	0.00407	0.0033	0.00317	3.14E-05	1.21E-04	2.07E-05	1.00E-05	1.84E-04	2.86E-05	1.31E-10	2.76E-07	2.73E-07	2.92E-05	3.64E-05	1.21E-04	2.07E-05	1.00E-05	1.89E-04
3722	472363.09	3851877.25	0.00879	0.00452	0.0033	0.00325	3.55E-05	1.35E-04	2.13E-05	1.03E-05	2.02E-04	3.23E-05	1.46E-10	2.84E-07	2.80E-07	3.29E-05	4.11E-05	1.35E-04	2.13E-05	1.03E-05	2.08E-04
3723	472863.09	3851877.25	0.00969	0.00501	0.0033	0.00331	3.92E-05	1.49E-04	2.12E-05	1.05E-05	2.20E-04	3.56E-05	1.61E-10	2.83E-07	2.85E-07	3.62E-05	4.53E-05	1.49E-04	2.12E-05	1.05E-05	2.26E-04
3724	473363.09	3851877.25	0.00945	0.0048	0.0031	0.0033	3.82E-05	1.43E-04	2.00E-05	1.04E-05	2.12E-04	3.47E-05	1.55E-10	2.67E-07	2.84E-07	3.53E-05	4.42E-05	1.43E-04	2.00E-05	1.04E-05	2.18E-04
3725	473863.09	3851877.25	0.00962	0.00495	0.003	0.00332	3.89E-05	1.48E-04	1.91E-05	1.05E-05	2.16E-04	3.54E-05	1.60E-10	2.54E-07	2.86E-07	3.59E-05	4.50E-05	1.48E-04	1.91E-05	1.05E-05	2.22E-04
3726	474363.09	3851877.25	0.01049	0.00585	0.0029	0.00338	4.24E-05	1.75E-04	1.85E-05	1.07E-05	2.46E-04	3.86E-05	1.89E-10	2.47E-07	2.91E-07	3.91E-05	4.91E-05	1.75E-04	1.85E-05	1.07E-05	2.53E-04
3727	474863.09	3851877.25	0.01108	0.0071	0.0027	0.00342	4.48E-05	2.12E-04	1.73E-05	1.08E-05	2.85E-04	4.07E-05	2.29E-10	2.31E-07	2.94E-07	4.13E-05	5.18E-05	2.12E-04	1.73E-05	1.08E-05	2.92E-04
3728	475363.09	3851877.25	0.01134	0.00801	0.0025	0.00343	4.58E-05	2.39E-04	1.59E-05	1.08E-05	3.12E-04	4.17E-05	2.58E-10	2.13E-07	2.95E-07	4.22E-05	5.30E-05	2.39E-04	1.59E-05	1.08E-05	3.19E-04
3729	475863.09	3851877.25	0.01164	0.00849	0.0023	0.00346	4.71E-05	2.53E-04	1.47E-05	1.09E-05	3.26E-04	4.28E-05	2.74E-10	1.96E-07	2.98E-07	4.33E-05	5.44E-05	2.53E-04	1.47E-05	1.09E-05	3.33E-04
3730	476363.09	3851877.25	0.01191	0.00804	0.0022	0.0035	4.81E-05	2.40E-04	1.40E-05	1.11E-05	3.13E-04	4.38E-05	2.59E-10	1.87E-07	3.01E-07	4.43E-05	5.57E-05	2.40E-04	1.40E-05	1.11E-05	3.21E-04
3731	476863.09	3851877.25	0.01317	0.00874	0.0022	0.00355	5.32E-05	2.61E-04	1.41E-05	1.12E-05	3.39E-04	4.84E-05	2.82E-10	1.88E-07	3.06E-07	4.89E-05	6.16E-05	2.61E-04	1.41E-05	1.12E-05	3.48E-04
3732	477363.09	3851877.25	0.01497	0.00924	0.0023	0.00362	6.05E-05	2.76E-04	1.47E-05	1.14E-05	3.62E-04	5.50E-05	2.98E-10	1.96E-07	3.12E-07	5.55E-05	7.00E-05	2.76E-04	1.47E-05	1.14E-05	3.72E-04
3733	477863.09	3851877.25	0.01691	0.00929	0.0024	0.00369	6.84E-05	2.77E-04	1.52E-05	1.17E-05	3.72E-04	6.22E-05	2.99E-10	2.03E-07	3.18E-07	6.27E-05	7.91E-05	2.77E-04	1.52E-05	1.17E-05	3.83E-04
3734	478363.09	3851877.25	0.01852	0.0089	0.0024	0.00374	7.49E-05	2.66E-04	1.54E-05	1.18E-05	3.68E-04	6.81E-05	2.87E-10	2.06E-07	3.22E-07	6.86E-05	8.66E-05	2.66E-04	1.54E-05	1.18E-05	3.79E-04
3735	478863.09	3851877.25	0.01948	0.01021	0.0024	0.00377	7.87E-05	3.05E-04	1.55E-05	1.19E-05	4.11E-04	7.16E-05	3.29E-10	2.07E-07	3.25E-07	7.21E-05	9.11E-05	3.05E-04	1.55E-05	1.19E-05	4.23E-04
3736	479363.09	3851877.25	0.01981	0.01397	0.0025	0.00376	8.01E-05	4.17E-04	1.58E-05	1.19E-05	5.24E-04	7.28E-05	4.50E-10	2.10E-07	3.24E-07	7.34E-05	9.26E-05	4.17E-04	1.58E-05	1.19E-05	5.37E-04
3737	479863.09	3851877.25	0.01973	0.01648	0.0026	0.00377	7.98E-05	4.92E-04	1.63E-05	1.19E-05	6.00E-04	7.25E-05	5.31E-10	2.18E-07	3.25E-07	7.31E-05	9.23E-05	4.92E-04	1.63E-05	1.19E-05	6.12E-04
3738	480363.09	3851877.25	0.01924	0.016	0.0026	0.00384	7.78E-05	4.77E-04	1.68E-05	1.21E-05	5.84E-04	7.07E-05	5.16E-10	2.24E-07	3.31E-07	7.13E-05	9.00E-05	4.77E-04	1.68E-05	1.21E-05	5.96E-04
3739	480863.09	3851877.25	0.02046	0.01537	0.0027	0.00396	8.27E-05	4.59E-04	1.70E-05	1.25E-05	5.71E-04	7.52E-05	4.95E-10	2.26E-07	3.41E-07	7.58E-05	9.57E-05	4.59E-04	1.70E-05	1.25E-05	5.84E-04
3740	481363.09	3851877.25	0.02778	0.01458	0.0026	0.00419	1.12E-04	4.35E-04	1.68E-05	1.32E-05	5.77E-04	1.02E-04	4.70E-10	2.25E-07	3.61E-07	1.03E-04	1.30E-04	4.35E-04	1.68E-05	1.32E-05	5.95E-04
3741	481863.09	3851877.25	0.03155	0.01198	0.0027	0.00446	1.28E-04	3.57E-04	1.69E-05	1.41E-05	5.16E-04	1.16E-04	3.86E-10	2.25E-07	3.84E-07	1.17E-04	1.48E-04	3.57E-04	1.69E-05	1.41E-05	5.36E-04
3742	482363.09	3851877.25	0.02467	0.00829	0.0031	0.00493	9.97E-05	2.47E-04	2.00E-05	1.56E-05	3.83E-04	9.07E-05	2.67E-10	2.67E-07	4.25E-07	9.14E-05	1.15E-04	2.47E-04	2.00E-05	1.56E-05	3.98E-04
3743	482863.09	3851877.25	0.01721	0.0059	0.0044	0.00506	6.96E-05	1.76E-04	2.81E-05	1.60E-05	2.90E-04	6.33E-05	1.90E-10	3.75E-07	4.36E-07	6.41E-05	8.05E-05	1.76E-04	2.81E-05	1.60E-05	3.01E-04
3744	483363.09	3851877.25	0.01726	0.0059	0.004	0.00516	6.98E-05	1.76E-04	2.55E-05	1.63E-05	2.88E-04	6.35E-05	1.90E-10	3.39E-07	4.44E-07	6.42E-05	8.07E-05	1.76E-04	2.55E-05	1.63E-05	2.98E-04
3745	483863.09	3851877.25	0.01512	0.00524	0.0037	0.00491	6.11E-05	1.56E-04	2.37E-05	1.55E-05	2.57E-04	5.56E-05	1.69E-10	3.16E-07	4.23E-07	5.63E-05	7.07E-05	1.56E-04	2.37E-05	1.55E-05	2.66E-04
3746	484363.09	3851877.25	0.01598	0.0055	0.0054	0.00485	6.46E-05	1.64E-04	3.42E-05	1.53E-05	2.78E-04	5.88E-05	1.77E-10	4.56E-07	4.18E-07	5.96E-05	7.47E-05	1.64E-04	3.42E-05	1.53E-05	2.88E-04
3747	484863.09	3851877.25	0.01409	0.00492	0.0052	0.00504	5.70E-05	1.47E-04	3.32E-05	1.59E-05	2.53E-04	5.18E-05	1.59E-10	4.42E-07	4.34E-07	5.27E-05	6.59E-05	1.47E-04	3.32E-05	1.59E-05	2.62E-04
3748	485363.09	3851877.25	0.01336	0.005	0.0045	0.00527	5.40E-05	1.49E-04	2.88E-05	1.66E-05	2.49E-04	4.91E-05	1.61E-10	3.84E-07	4.54E-07	5.00E-05	6.25E-05	1.49E-04	2.88E-05	1.66E-05	2.57E-04
3749	485863.09	3851877.25	0.01286	0.00511	0.0057	0.00586	5.20E-05	1.52E-04	3.64E-05	1.85E-05	2.59E-04	4.73E-05	1.65E-10	4.86E-07	5.05E-07	4.83E-05	6.01E-05	1.52E-04	3.64E-05	1.85E-05	2.68E-04
3750	486363.09	3851877.25	0.01002	0.00463	0.0069	0.00587	4.05E-05	1.38E-04	4.41E-05	1.85E-05	2.41E-04	3.68E-05	1.49E-10	5.89E-07	5.05E-07	3.79E-05	4.69E-05	1.38E-04	4.41E-05	1.85E-05	2.48E-04
3751	486863.09	3851877.25	0.00938	0.00465	0.0068	0.0057	3.79E-05	1.39E-04	4.31E-05	1.80E-05	2.38E-04	3.45E-05	1.50E-10	5.74E-07	4.91E-07	3.56E-05	4.39E-05	1.39E-04	4.31E-05	1.80E-05	2.44E-04
3752	487363.09	3851877.25	0.00914	0.00465	0.0046	0.00569	3.69E-05	1.39E-04	2.95E-05	1.80E-05	2.23E-04	3.36E-05	1.50E-10	3.94E-07	4.90E-07	3.45E-05	4.27E-05	1.39E-04	2.95E-05	1.80E-05	2.29E-04
3753	487863.09	3851877.25	0.00821	0.00434	0.0035	0.00593	3.32E-05	1.29E-04	2.23E-05	1.87E-05	2.04E-04	3.02E-05	1.40E-10	2.97E-07	5.11E-07	3.10E-05	3.84E-05	1.29E-04	2.23E-05	1.87E-05	2.09E-04
3754	488363.09	3851877.25	0.00861	0.00461	0.0038	0.00635	3.48E-05	1.38E-04	2.43E-05	2.00E-05	2.17E-04	3.17E-05	1.49E-10	3.24E-07	5.47E-07	3.25E-05	4.03E-05	1.38E-04	2.43E-05	2.00E-05	2.22E-04
3755	488863.09	3851877.25	0.00832	0.00466	0.0045	0.00659	3.36E-05	1.39E-04	2.84E-05	2.08E-05	2.22E-04	3.06E-05	1.50E-10	3.78E-07	5.67E-07	3.15E-05	3.89E-05	1.39E-04	2.84E-05	2.08E-05	2.27E-04
3756	489363.09	3851877.25	0.00851	0.00472	0.0046	0.00683	3.44E-05	1.41E-04	2.96E-05	2.16E-05	2.26E-04	3.13E-05	1.52E-10	3.95E-07	5.88E-07	3.23E-05	3.98E-05	1.41E-04	2.96E-05	2.16E-05	2.32E-04
3757	489863.09	3851877.25	0.00917	0.00487	0.0045	0.00707	3.71E-05	1.45E-04	2.89E-05	2.23E-05	2.34E-04	3.37E-05	1.57E-10	3.85E-07	6.09E-07	3.47E-05	4.29E-05	1.45E-04	2.89E-05	2.23E-05	2.39E-04
3758	490363.09	3851877.25	0.0103	0.00521	0.0047	0.00729	4.16E-05	1.55E-04	2.97E-05	2.30E-05	2.50E-04	3.79E-05	1.68E-10	3.95E-07	6.28E-07	3.89E-05	4.82E-05	1.55E-04	2.97E-05	2.30E-05	2.56E-04
3759	490863.09	3851877.25	0.01148	0.00558	0.0044	0.00755	4.64E-05	1.66E-04	2.79E-05	2.38E-05	2.65E-04	4.22E-05	1.80E-10	3.73E-07	6.50E-07	4.32E-05	5.37E-05	1.66E-04	2.79E-05	2.38E-05	2.72E-04
3760	491363.09	3851877.25	0.01269	0.00594	0.0041	0.00783	5.13E-05	1.77E-04	2.64E-05	2.47E-05	2.80E-04	4.67E-05	1.91E-10	3.52E-07	6.74E-07	4.77E-05	5.93E-05	1.77E-04	2.64E-05	2.47E-05	2.88E-04
3761	491863.09	3851877.25	0.0138	0.00629	0.0042	0.00805	5.58E-05	1.88E-04	2.65E-05	2.54E-05	2.95E-04	5.07E-05	2.03E-10	3.54E-07	6.93E-07	5.18E-05	6.45E-05	1.88E-04	2.65E-05	2.54E-05	3.04E-04
3762	492363.09	3851877.25	0.01424	0.00642	0.0043	0.00823	5.76E-05	1.92E-04	2.72E-05	2.60E-05	3.02E-04	5.24E-05	2.07E-10	3.62E-07	7.09E-07	5.34E-05	6.66E-05	1.92E-04	2.72E-05	2.60E-05	3.11E-04
3763	492863.09	3851877.25	0.01303	0.00602	0.0049	0.00828	5.27E-05	1.80E-04	3.13E-05	2.61E-05	2.90E-04	4.79E-05	1.94E-10	4.17E-07	7.13E-07	4.90E-05	6.09E-05	1.80E-04	3.13E-05	2.61E-05	2.98E-04
3764	493363.09	3851877.25	0.0162	0.00696	0.0061	0.00868	6.55E-05	2.08E-04	3.91E-05	2.74E-05	3.40E-04	5.96E-05	2.24E-10	5.21E-07	7.47E-07	6.08E-05	7.58E-05	2.08E-04	3.91E-05	2.74E-05	3.50E-04
3765	493863.09	3851877.25	0.01981	0.00807	0.0075	0.0091	8.01E-05	2.41E-04	4.78E-05	2.87E-05	3.97E-04	7.28E-05	2.60E-10	6.37E-07	7.84E-07	7.43E-05	9.26E-05	2.41E-04	4.78E-05	2.87E-05	4.10E-04
3766	494363.09	3851877.25	0.01978	0.00812	0.0081	0.00924	8.00E-05	2.42E-04	5.17E-05	2.92E-05	4.03E-04	7.27E-05	2.62E-10	6.90E-07	7.96E-07	7.42E-05	9.25E-05	2.42E-04	5.17E-05	2.92E-05	4.16E-04
3767	494863.09	3851877.25	0.0223	0.00892	0.0083	0.00957	9.01E-05	2.66E-04	5.31E-05	3.02E-05	4.40E-04	8.20E-05	2.87E-10	7.08E-07	8.24E-07	8.35E-05	1.04E-04	2.66E-04	5.31E-05	3.02E-05	4.54E-04
3768	495363.09	3851877.25	0.02387	0.00945	0.0082	0.00981	9.65E-05	2.82E-04	5.20E-05	3.10E-05	4.61E-04	8.78E-05	3.05E-10	6.93E-07	8.45E-07	8.93E-05	1.12E-04	2.82E-04	5.20E-05	3.10E-05	4.77E-04
3769	495863.09	3851877.25	0.02486	0.00984	0.0082	0.00997	1.00E-04	2.94E-04	5.22E-05	3.15E-05	4.78E-04	9.14E-05	3.17E-10	6.97E-07	8.59E-07	9.30E-05	1.16E-04	2.94E-04	5.22E-05	3.15E-05	4.94E-04
3770	496363.09	3851877.25	0.02475	0.00992	0.0085	0.01003	1.00E-04	2.96E-04	5.40E-05	3.17E-05	4.82E-04	9.10E-05	3.20E-10	7.20E-07	8.64E-07	9.26E-05	1.16E-04	2.96E-04	5.40E-05	3.17E-05	4.97E-04
3771	496863.09	3851877.25	0.02443	0.00994	0.009	0.01004	9.88E-05	2.97E-04	5.76E-05	3.17E-05	4.85E-04	8.98E-05	3.20E-10	7.68E-07	8.65E-07	9.14E-05	1.14E-04	2.97E-04	5.76E-05	3.17E-05	5.00E-04
3772	497363.09	3851877.25	0.02391	0.00989	0.0096	0.01002	9.66E-05	2.95E-04	6.09E-05	3.16E-05	4.84E-04	8.79E-05	3.19E-10	8.12E-07	8.63E-07	8.96E-05	1.12E-04	2.95E-04	6.09E-05	3.16E-05	4.99E-04
3773	497863.09	3851877.25	0.02245	0.00957	0.01	0.00996	9.07E-05	2.86E-04	6.37E-05	3.14E-05	4.71E-04	8.25E-05	3.08E-10	8.49E-07	8.58E-07	8.42E-05	1.05E-04	2.86E-04	6.37E-05	3.14E-05	4.86E-04
3774	498363.09	3851877.25	0.02105	0.00929	0.0104	0.00994	8.51E-05	2.77E-04	6.66E-05	3.14E-05	4.60E-04	7.74E-05	2.99E-10	8.88E-07	8.56E-07	7.91E-05	9.84E-05	2.77E-04	6.66E-05	3.14E-05	4.74E-04
3775	471363.09	3852377.25	0.00705	0.00404	0.0032	0.00326	2.85E-05	1.21E-04	2.02E-05	1.03E-05	1.80E-04	2.59E-05	1.30E-10	2.70E-07	2.81E-07	2.65E-05	3.30E-05	1.21E-04	2.02E-05	1.03E-05	1.84E-04
3776	471863.09	3852377.25	0.008	0.00442	0.0033	0.00334	3.23E-05	1.32E-04	2.10E-05	1.05E-05	1.96E-04	2.94E-05	1.42E-10	2.81E-07	2.88E-07	3.00E-05	3.74E-05	1.32E-04	2.10E-05	1.05E-05	2.01E-04
3777	472363.09	3852377.25	0.00874	0.00468	0.0035	0.00341	3.53E-05	1.40E-04	2.21E-05	1.08E-05	2.08E-04	3.21E-05	1.51E-10	2.94E-07	2.94E-07	3.27E-05	4.09E-05	1.40E-04	2.21E-05	1.08E-05	2.13E-04
3778	472863.09	3852377.25	0.00941	0.00491	0.0036	0.00349	3.80E-05	1.46E-04	2.29E-05	1.10E-05	2.18E-04	3.46E-05	1.58E-10	3.05E-07	3.01E-07	3.52E-05	4.40E-05	1.46E-04	2.29E-05	1.10E-05	2.24E-04

3779	473363.09	3852377.25	0.00995	0.00507	0.0036	0.00356	4.02E-05	1.51E-04	2.32E-05	1.12E-05	2.26E-04	3.66E-05	1.63E-10	3.10E-07	3.07E-07	3.72E-05	4.65E-05	1.51E-04	2.32E-05	1.12E-05	2.32E-04
3780	473863.09	3852377.25	0.01036	0.00521	0.0036	0.00361	4.19E-05	1.55E-04	2.30E-05	1.14E-05	2.32E-04	3.81E-05	1.68E-10	3.07E-07	3.11E-07	3.87E-05	4.84E-05	1.55E-04	2.30E-05	1.14E-05	2.38E-04
3781	474363.09	3852377.25	0.01088	0.00542	0.0035	0.00364	4.40E-05	1.62E-04	2.23E-05	1.15E-05	2.39E-04	4.00E-05	1.75E-10	2.98E-07	3.13E-07	4.06E-05	5.09E-05	1.62E-04	2.23E-05	1.15E-05	2.46E-04
3782	474863.09	3852377.25	0.01299	0.00695	0.0035	0.00374	5.25E-05	2.07E-04	2.21E-05	1.18E-05	2.94E-04	4.78E-05	2.24E-10	2.95E-07	3.22E-07	4.84E-05	6.07E-05	2.07E-04	2.21E-05	1.18E-05	3.02E-04
3783	475363.09	3852377.25	0.0133	0.00729	0.0033	0.00376	5.38E-05	2.17E-04	2.08E-05	1.19E-05	3.04E-04	4.89E-05	2.35E-10	2.77E-07	3.24E-07	4.95E-05	6.22E-05	2.17E-04	2.08E-05	1.19E-05	3.12E-04
3784	475863.09	3852377.25	0.01331	0.0076	0.003	0.00377	5.38E-05	2.27E-04	1.91E-05	1.19E-05	3.12E-04	4.89E-05	2.45E-10	2.55E-07	3.25E-07	4.95E-05	6.22E-05	2.27E-04	1.91E-05	1.19E-05	3.20E-04
3785	476363.09	3852377.25	0.01302	0.0075	0.0027	0.00378	5.26E-05	2.24E-04	1.73E-05	1.19E-05	3.06E-04	4.79E-05	2.42E-10	2.30E-07	3.25E-07	4.84E-05	6.09E-05	2.24E-04	1.73E-05	1.19E-05	3.14E-04
3786	476863.09	3852377.25	0.01332	0.00785	0.0025	0.00383	5.38E-05	2.34E-04	1.59E-05	1.21E-05	3.16E-04	4.90E-05	2.53E-10	2.12E-07	3.30E-07	4.95E-05	6.23E-05	2.34E-04	1.59E-05	1.21E-05	3.24E-04
3787	477363.09	3852377.25	0.01366	0.00788	0.0024	0.0039	5.52E-05	2.35E-04	1.52E-05	1.23E-05	3.18E-04	5.02E-05	2.54E-10	2.03E-07	3.36E-07	5.08E-05	6.39E-05	2.35E-04	1.52E-05	1.23E-05	3.27E-04
3788	477863.09	3852377.25	0.01327	0.00689	0.0024	0.00393	5.36E-05	2.06E-04	1.51E-05	1.24E-05	2.87E-04	4.88E-05	2.22E-10	2.01E-07	3.38E-07	4.93E-05	6.21E-05	2.06E-04	1.51E-05	1.24E-05	2.95E-04
3789	478363.09	3852377.25	0.01382	0.0064	0.0025	0.00401	5.59E-05	1.91E-04	1.58E-05	1.27E-05	2.75E-04	5.08E-05	2.06E-10	2.10E-07	3.45E-07	5.14E-05	6.46E-05	1.91E-04	1.58E-05	1.27E-05	2.84E-04
3790	478863.09	3852377.25	0.01831	0.00744	0.0026	0.00413	7.40E-05	2.22E-04	1.66E-05	1.30E-05	3.26E-04	6.73E-05	2.40E-10	2.21E-07	3.56E-07	6.79E-05	8.56E-05	2.22E-04	1.66E-05	1.30E-05	3.37E-04
3791	479363.09	3852377.25	0.02154	0.00839	0.0026	0.00419	8.71E-05	2.50E-04	1.68E-05	1.32E-05	3.67E-04	7.92E-05	2.70E-10	2.24E-07	3.61E-07	7.98E-05	1.01E-04	2.50E-04	1.68E-05	1.32E-05	3.81E-04
3792	479863.09	3852377.25	0.02413	0.01332	0.0026	0.00419	9.75E-05	3.97E-04	1.67E-05	1.32E-05	5.25E-04	8.87E-05	4.29E-10	2.23E-07	3.61E-07	8.93E-05	1.13E-04	3.97E-04	1.67E-05	1.32E-05	5.40E-04
3793	480363.09	3852377.25	0.02438	0.01919	0.0027	0.00424	9.85E-05	5.73E-04	1.74E-05	1.34E-05	7.02E-04	8.96E-05	6.19E-10	2.32E-07	3.65E-07	9.02E-05	1.14E-04	5.73E-04	1.74E-05	1.34E-05	7.17E-04
3794	480863.09	3852377.25	0.02397	0.01867	0.0028	0.00433	9.69E-05	5.57E-04	1.80E-05	1.37E-05	6.86E-04	8.81E-05	6.02E-10	2.40E-07	3.73E-07	8.87E-05	1.12E-04	5.57E-04	1.80E-05	1.37E-05	7.01E-04
3795	481363.09	3852377.25	0.02472	0.01807	0.0029	0.00454	9.99E-05	5.39E-04	1.83E-05	1.43E-05	6.72E-04	9.09E-05	5.82E-10	2.44E-07	3.91E-07	9.15E-05	1.16E-04	5.39E-04	1.83E-05	1.43E-05	6.87E-04
3796	481863.09	3852377.25	0.03371	0.01641	0.0029	0.00483	1.36E-04	4.90E-04	1.82E-05	1.53E-05	6.59E-04	1.24E-04	5.29E-10	2.43E-07	4.16E-07	1.25E-04	1.58E-04	4.90E-04	1.82E-05	1.53E-05	6.81E-04
3797	482363.09	3852377.25	0.0385	0.01436	0.0029	0.00527	1.56E-04	4.28E-04	1.82E-05	1.66E-05	6.19E-04	1.42E-04	4.63E-10	2.43E-07	4.54E-07	1.42E-04	1.80E-04	4.28E-04	1.82E-05	1.66E-05	6.43E-04
3798	482863.09	3852377.25	0.03204	0.01134	0.0033	0.00554	1.30E-04	3.38E-04	2.09E-05	1.75E-05	5.06E-04	1.18E-04	3.65E-10	2.78E-07	4.77E-07	1.19E-04	1.50E-04	3.38E-04	2.09E-05	1.75E-05	5.26E-04
3799	483363.09	3852377.25	0.02572	0.00774	0.0046	0.00582	1.04E-04	2.31E-04	2.92E-05	1.84E-05	3.82E-04	9.46E-05	2.49E-10	3.90E-07	5.01E-07	9.55E-05	1.20E-04	2.31E-04	2.92E-05	1.84E-05	3.99E-04
3800	483863.09	3852377.25	0.01965	0.00634	0.0041	0.00564	7.94E-05	1.89E-04	2.60E-05	1.78E-05	3.12E-04	7.22E-05	2.04E-10	3.46E-07	4.86E-07	7.31E-05	9.19E-05	1.89E-04	2.60E-05	1.78E-05	3.25E-04
3801	484363.09	3852377.25	0.02159	0.00665	0.0045	0.00561	8.73E-05	1.98E-04	2.86E-05	1.77E-05	3.32E-04	7.94E-05	2.14E-10	3.82E-07	4.83E-07	8.02E-05	1.01E-04	1.98E-04	2.86E-05	1.77E-05	3.46E-04
3802	484863.09	3852377.25	0.02114	0.00673	0.0061	0.00561	8.55E-05	2.01E-04	3.89E-05	1.77E-05	3.43E-04	7.77E-05	2.17E-10	5.19E-07	4.83E-07	7.87E-05	9.89E-05	2.01E-04	3.89E-05	1.77E-05	3.56E-04
3803	485363.09	3852377.25	0.02056	0.00692	0.0051	0.00631	8.31E-05	2.06E-04	3.24E-05	1.99E-05	3.42E-04	7.56E-05	2.23E-10	4.32E-07	5.43E-07	7.66E-05	9.62E-05	2.06E-04	3.24E-05	1.99E-05	3.55E-04
3804	485863.09	3852377.25	0.01722	0.0064	0.0055	0.00706	6.96E-05	1.91E-04	3.50E-05	2.23E-05	3.18E-04	6.33E-05	2.06E-10	4.66E-07	6.08E-07	6.44E-05	8.05E-05	1.91E-04	3.50E-05	2.23E-05	3.29E-04
3805	486363.09	3852377.25	0.01268	0.00563	0.0075	0.00675	5.13E-05	1.68E-04	4.75E-05	2.13E-05	2.88E-04	4.66E-05	1.81E-10	6.34E-07	5.81E-07	4.78E-05	5.93E-05	1.68E-04	4.75E-05	2.13E-05	2.96E-04
3806	486863.09	3852377.25	0.01159	0.00559	0.0074	0.00677	4.68E-05	1.67E-04	4.75E-05	2.14E-05	2.82E-04	4.26E-05	1.80E-10	6.33E-07	5.83E-07	4.38E-05	5.42E-05	1.67E-04	4.75E-05	2.14E-05	2.90E-04
3807	487363.09	3852377.25	0.01062	0.00552	0.0051	0.00701	4.29E-05	1.65E-04	3.28E-05	2.21E-05	2.63E-04	3.90E-05	1.78E-10	4.37E-07	6.04E-07	4.01E-05	4.97E-05	1.65E-04	3.28E-05	2.21E-05	2.69E-04
3808	487863.09	3852377.25	0.01017	0.00546	0.0038	0.00729	4.11E-05	1.63E-04	2.42E-05	2.30E-05	2.51E-04	3.74E-05	1.76E-10	3.23E-07	6.28E-07	3.83E-05	4.76E-05	1.63E-04	2.42E-05	2.30E-05	2.58E-04
3809	488363.09	3852377.25	0.00986	0.00552	0.0041	0.00752	3.99E-05	1.65E-04	2.63E-05	2.37E-05	2.55E-04	3.63E-05	1.78E-10	3.50E-07	6.48E-07	3.72E-05	4.61E-05	1.65E-04	2.63E-05	2.37E-05	2.61E-04
3810	488863.09	3852377.25	0.00983	0.00554	0.0048	0.00778	3.97E-05	1.65E-04	3.05E-05	2.46E-05	2.60E-04	3.61E-05	1.79E-10	4.07E-07	6.70E-07	3.72E-05	4.60E-05	1.65E-04	3.05E-05	2.46E-05	2.66E-04
3811	489363.09	3852377.25	0.01059	0.00564	0.0049	0.00807	4.28E-05	1.68E-04	3.10E-05	2.55E-05	2.68E-04	3.89E-05	1.82E-10	4.13E-07	6.95E-07	4.00E-05	4.95E-05	1.68E-04	3.10E-05	2.55E-05	2.74E-04
3812	489863.09	3852377.25	0.01094	0.00563	0.0048	0.00822	4.42E-05	1.68E-04	3.06E-05	2.60E-05	2.69E-04	4.02E-05	1.81E-10	4.07E-07	7.08E-07	4.13E-05	5.12E-05	1.68E-04	3.06E-05	2.60E-05	2.76E-04
3813	490363.09	3852377.25	0.01326	0.00633	0.0047	0.00856	5.36E-05	1.89E-04	3.02E-05	2.70E-05	3.00E-04	4.88E-05	2.04E-10	4.03E-07	7.37E-07	4.99E-05	6.20E-05	1.89E-04	3.02E-05	2.70E-05	3.08E-04
3814	490863.09	3852377.25	0.01549	0.00697	0.0044	0.00892	6.26E-05	2.08E-04	2.83E-05	2.82E-05	3.27E-04	5.69E-05	2.25E-10	3.78E-07	7.68E-07	5.81E-05	7.24E-05	2.08E-04	2.83E-05	2.82E-05	3.37E-04
3815	491363.09	3852377.25	0.01946	0.00807	0.0047	0.00936	7.87E-05	2.41E-04	3.01E-05	2.96E-05	3.79E-04	7.15E-05	2.60E-10	4.01E-07	8.06E-07	7.28E-05	9.10E-05	2.41E-04	3.01E-05	2.96E-05	3.91E-04
3816	491863.09	3852377.25	0.02125	0.00856	0.0049	0.00964	8.59E-05	2.55E-04	3.11E-05	3.04E-05	4.03E-04	7.81E-05	2.76E-10	4.15E-07	8.30E-07	7.94E-05	9.94E-05	2.55E-04	3.11E-05	3.04E-05	4.16E-04
3817	492363.09	3852377.25	0.02263	0.00894	0.0056	0.00991	9.15E-05	2.67E-04	3.59E-05	3.13E-05	4.25E-04	8.32E-05	2.88E-10	4.79E-07	8.53E-07	8.45E-05	1.06E-04	2.67E-04	3.59E-05	3.13E-05	4.40E-04
3818	492863.09	3852377.25	0.02507	0.0096	0.007	0.01026	1.01E-04	2.86E-04	4.48E-05	3.24E-05	4.65E-04	9.22E-05	3.09E-10	5.97E-07	8.83E-07	9.37E-05	1.17E-04	2.86E-04	4.48E-05	3.24E-05	4.81E-04
3819	493363.09	3852377.25	0.02885	0.01065	0.0086	0.01062	1.17E-04	3.18E-04	5.50E-05	3.35E-05	5.23E-04	1.06E-04	3.43E-10	7.34E-07	9.14E-07	1.08E-04	1.35E-04	3.18E-04	5.50E-05	3.35E-05	5.41E-04
3820	493863.09	3852377.25	0.0293	0.01085	0.0095	0.01072	1.18E-04	3.24E-04	6.04E-05	3.38E-05	5.36E-04	1.08E-04	3.50E-10	8.05E-07	9.23E-07	1.09E-04	1.37E-04	3.24E-04	6.04E-05	3.38E-05	5.55E-04
3821	494363.09	3852377.25	0.0295	0.01102	0.0094	0.01082	1.19E-04	3.29E-04	5.96E-05	3.42E-05	5.42E-04	1.08E-04	3.55E-10	7.95E-07	9.32E-07	1.10E-04	1.38E-04	3.29E-04	5.96E-05	3.42E-05	5.61E-04
3822	494863.09	3852377.25	0.03143	0.01166	0.0093	0.01102	1.27E-04	3.48E-04	5.91E-05	3.48E-05	5.69E-04	1.16E-04	3.76E-10	7.88E-07	9.49E-07	1.17E-04	1.47E-04	3.48E-04	5.91E-05	3.48E-05	5.89E-04
3823	495363.09	3852377.25	0.03335	0.01234	0.0093	0.01121	1.35E-04	3.68E-04	5.94E-05	3.54E-05	5.98E-04	1.23E-04	3.98E-10	7.93E-07	9.65E-07	1.24E-04	1.56E-04	3.68E-04	5.94E-05	3.54E-05	6.19E-04
3824	495863.09	3852377.25	0.03237	0.0122	0.0096	0.01121	1.31E-04	3.64E-04	6.13E-05	3.54E-05	5.92E-04	1.19E-04	3.93E-10	8.17E-07	9.65E-07	1.21E-04	1.51E-04	3.64E-04	6.13E-05	3.54E-05	6.12E-04
3825	496363.09	3852377.25	0.03122	0.01201	0.0103	0.01117	1.26E-04	3.58E-04	6.55E-05	3.53E-05	5.85E-04	1.15E-04	3.87E-10	8.73E-07	9.62E-07	1.17E-04	1.46E-04	3.58E-04	6.55E-05	3.53E-05	6.05E-04
3826	496863.09	3852377.25	0.03044	0.01196	0.011	0.01113	1.23E-04	3.57E-04	7.00E-05	3.51E-05	5.85E-04	1.12E-04	3.85E-10	9.34E-07	9.58E-07	1.14E-04	1.42E-04	3.57E-04	7.00E-05	3.51E-05	6.04E-04
3827	497363.09	3852377.25	0.02781	0.01134	0.0114	0.01095	1.12E-04	3.38E-04	7.28E-05	3.46E-05	5.58E-04	1.02E-04	3.65E-10	9.70E-07	9.43E-07	1.04E-04	1.30E-04	3.38E-04	7.28E-05	3.46E-05	5.76E-04
3828	497863.09	3852377.25	0.02511	0.01075	0.0119	0.01085	1.01E-04	3.21E-04	7.58E-05	3.43E-05	5.32E-04	9.23E-05	3.46E-10	1.01E-06	9.34E-07	9.43E-05	1.17E-04	3.21E-04	7.58E-05	3.43E-05	5.48E-04
3829	498363.09	3852377.25	0.02269	0.0102	0.0122	0.01077	9.17E-05	3.04E-04	7.78E-05	3.40E-05	5.08E-04	8.34E-05	3.29E-10	1.04E-06	9.27E-07	8.54E-05	1.06E-04	3.04E-04	7.78E-05	3.40E-05	5.22E-04
3830	471363.09	3852877.25	0.00787	0.0044	0.0034	0.00343	3.18E-05	1.31E-04	2.14E-05	1.08E-05	1.95E-04	2.89E-05	1.42E-10	2.86E-07	2.95E-07	2.95E-05	3.68E-05	1.31E-04	2.14E-05	1.08E-05	2.00E-04
3831	471863.09	3852877.25	0.00857	0.00471	0.0034	0.00352	3.46E-05	1.41E-04	2.17E-05	1.11E-05	2.08E-04	3.15E-05	1.52E-10	2.89E-07	3.03E-07	3.21E-05	4.01E-05	1.41E-04	2.17E-05	1.11E-05	2.13E-04
3832	472363.09	3852877.25	0.00935	0.00503	0.0035	0.0036	3.78E-05	1.50E-04	2.23E-05	1.14E-05	2.21E-04	3.44E-05	1.62E-10	2.97E-07	3.10E-07	3.50E-05	4.37E-05	1.50E-04	2.23E-05	1.14E-05	2.27E-04
3833	472863.09	3852877.25	0.00996	0.00529	0.0036	0.00368	4.03E-05	1.58E-04	2.29E-05	1.16E-05	2.33E-04	3.66E-05	1.70E-10	3.05E-07	3.17E-07	3.72E-05	4.66E-05	1.58E-04	2.29E-05	1.16E-05	2.39E-04
3834	473363.09	3852877.25	0.01069	0.00557	0.0037	0.00376	4.32E-05	1.66E-04	2.38E-05	1.19E-05	2.45E-04	3.93E-05	1.80E-10	3.17E-07	3.24E-07	3.99E-05	5.00E-05	1.66E-04	2.38E-05	1.19E-05	2.52E-04
3835	473863.09	3852877.25	0.01162	0.00596	0.0039	0.00385	4.70E-05	1.78E-04	2.49E-05	1.22E-05	2.62E-04	4.27E-05	1.92E-10	3.33E-07	3.32E-07	4.34E-05	5.43E-05	1.78E-04	2.49E-05	1.22E-05	2.69E-04
3836	474363.09	3852877.25	0.01274	0.00642	0.0041	0.00397	5.15E-05	1.92E-04	2.58E-05	1.25E-05	2.81E-04	4.68E-05	2.07E-10	3.44E-07	3.42E-07	4.75E-05	5.96E-05	1.92E-04	2.58E-05	1.25E-05	2.89E-04
3837	474863.09	3852877.25	0.01238	0.00609	0.004	0.00401	5.00E-05	1.82E-04	2.56E-05	1.27E-05	2.70E-04	4.55E-05	1.96E-10	3.42E-07	3.45E-07	4.62E-05	5.79E-05	1.82E-04	2.56E-05	1.27E-05	2.78E-04
3838	475363.09	3852877.25	0.01371	0.00675	0.004	0.00412	5.54E-05	2.01E-04	2.55E-05	1.30E-05	2.95E-04	5.04E-05	2.18E-10	3.40E-07	3.55E-07	5.11E-05	6.41E-05	2.01E-04	2.55E-05	1.30E-05	3.04E-04
3839	475863.09	3852877.25	0.01433	0.007	0.0038	0.00416	5.79E-05	2.09E-04	2.45E-05	1.31E-05	3.04E-04	5.27E-05	2.26E-10	3.27E-07	3.58E-07	5.34E-05	6.70E-05	2.09E-04	2.45E-05	1.31E-05	3.13E-04

3840	476363.09	3852877.25	0.01397	0.00678	0.0036	0.00415	5.65E-05	2.02E-04	2.26E-05	1.31E-05	2.94E-04	5.14E-05	2.19E-10	3.02E-07	3.57E-07	5.20E-05	6.53E-05	2.02E-04	2.26E-05	1.31E-05	3.03E-04
3841	476863.09	3852877.25	0.01269	0.00621	0.0032	0.00412	5.13E-05	1.85E-04	2.02E-05	1.30E-05	2.70E-04	4.67E-05	2.00E-10	2.69E-07	3.55E-07	4.73E-05	5.93E-05	1.85E-04	2.02E-05	1.30E-05	2.78E-04
3842	477363.09	3852877.25	0.01149	0.00576	0.0028	0.00414	4.64E-05	1.72E-04	1.77E-05	1.31E-05	2.49E-04	4.22E-05	1.86E-10	2.36E-07	3.56E-07	4.28E-05	5.37E-05	1.72E-04	1.77E-05	1.31E-05	2.56E-04
3843	477863.09	3852877.25	0.01018	0.00532	0.0025	0.00419	4.11E-05	1.59E-04	1.59E-05	1.32E-05	2.29E-04	3.74E-05	1.71E-10	2.12E-07	3.61E-07	3.80E-05	4.76E-05	1.59E-04	1.59E-05	1.32E-05	2.35E-04
3844	478363.09	3852877.25	0.00794	0.00475	0.0023	0.00425	3.21E-05	1.42E-04	1.47E-05	1.34E-05	2.02E-04	2.92E-05	1.53E-10	1.96E-07	3.66E-07	2.98E-05	3.71E-05	1.42E-04	1.47E-05	1.34E-05	2.07E-04
3845	478863.09	3852877.25	0.00958	0.0054	0.0024	0.00439	3.87E-05	1.61E-04	1.54E-05	1.39E-05	2.29E-04	3.52E-05	1.74E-10	2.05E-07	3.78E-07	3.58E-05	4.48E-05	1.61E-04	1.54E-05	1.39E-05	2.35E-04
3846	479363.09	3852877.25	0.01429	0.00644	0.0026	0.00455	5.78E-05	1.92E-04	1.68E-05	1.44E-05	2.81E-04	5.25E-05	2.08E-10	2.24E-07	3.92E-07	5.32E-05	6.68E-05	1.92E-04	1.68E-05	1.44E-05	2.90E-04
3847	479863.09	3852877.25	0.02471	0.00952	0.0028	0.00473	9.99E-05	2.84E-04	1.79E-05	1.49E-05	4.17E-04	9.08E-05	3.07E-10	2.39E-07	4.07E-07	9.15E-05	1.16E-04	2.84E-04	1.79E-05	1.49E-05	4.32E-04
3848	480363.09	3852877.25	0.02975	0.01707	0.0028	0.00478	1.20E-04	5.09E-04	1.81E-05	1.51E-05	6.63E-04	1.09E-04	5.50E-10	2.41E-07	4.12E-07	1.10E-04	1.39E-04	5.09E-04	1.81E-05	1.51E-05	6.82E-04
3849	480863.09	3852877.25	0.03129	0.0208	0.0029	0.00489	1.26E-04	6.21E-04	1.85E-05	1.54E-05	7.81E-04	1.15E-04	6.70E-10	2.47E-07	4.21E-07	1.16E-04	1.46E-04	6.21E-04	1.85E-05	1.54E-05	8.01E-04
3850	481363.09	3852877.25	0.0308	0.02253	0.003	0.00504	1.24E-04	6.72E-04	1.94E-05	1.59E-05	8.32E-04	1.13E-04	7.26E-10	2.59E-07	4.34E-07	1.14E-04	1.44E-04	6.72E-04	1.94E-05	1.59E-05	8.51E-04
3851	481863.09	3852877.25	0.03105	0.02124	0.0031	0.00548	1.26E-04	6.34E-04	1.98E-05	1.73E-05	7.96E-04	1.14E-04	6.85E-10	2.64E-07	4.72E-07	1.15E-04	1.45E-04	6.34E-04	1.98E-05	1.73E-05	8.16E-04
3852	482363.09	3852877.25	0.0422	0.01977	0.0031	0.00593	1.71E-04	5.90E-04	1.98E-05	1.87E-05	7.99E-04	1.55E-04	6.37E-10	2.64E-07	5.11E-07	1.56E-04	1.97E-04	5.90E-04	1.98E-05	1.87E-05	8.26E-04
3853	482863.09	3852877.25	0.04839	0.01755	0.0031	0.00625	1.96E-04	5.24E-04	1.99E-05	1.97E-05	7.59E-04	1.78E-04	5.66E-10	2.65E-07	5.38E-07	1.79E-04	2.26E-04	5.24E-04	1.99E-05	1.97E-05	7.90E-04
3854	483363.09	3852877.25	0.04063	0.01274	0.0036	0.00643	1.64E-04	3.80E-04	2.29E-05	2.03E-05	5.88E-04	1.49E-04	4.11E-10	3.05E-07	5.54E-07	1.50E-04	1.90E-04	3.80E-04	2.29E-05	2.03E-05	6.13E-04
3855	483863.09	3852877.25	0.03001	0.00834	0.005	0.00673	1.21E-04	2.49E-04	3.18E-05	2.12E-05	4.23E-04	1.10E-04	2.69E-10	4.24E-07	5.80E-07	1.11E-04	1.40E-04	2.49E-04	3.18E-05	2.12E-05	4.42E-04
3856	484363.09	3852877.25	0.03194	0.00891	0.0042	0.00656	1.29E-04	2.66E-04	2.65E-05	2.07E-05	4.42E-04	1.17E-04	2.87E-10	3.54E-07	5.65E-07	1.18E-04	1.49E-04	2.66E-04	2.65E-05	2.07E-05	4.62E-04
3857	484863.09	3852877.25	0.03043	0.0092	0.0052	0.00682	1.23E-04	2.74E-04	3.34E-05	2.15E-05	4.52E-04	1.12E-04	2.97E-10	4.46E-07	5.87E-07	1.13E-04	1.42E-04	2.74E-04	3.34E-05	2.15E-05	4.72E-04
3858	485363.09	3852877.25	0.02056	0.00707	0.0064	0.00771	8.31E-05	2.11E-04	4.08E-05	2.43E-05	3.59E-04	7.56E-05	2.28E-10	5.43E-07	6.64E-07	7.68E-05	9.62E-05	2.11E-04	4.08E-05	2.43E-05	3.72E-04
3859	485863.09	3852877.25	0.01644	0.00664	0.0054	0.00795	6.65E-05	1.98E-04	3.43E-05	2.51E-05	3.24E-04	6.04E-05	2.14E-10	4.57E-07	6.85E-07	6.16E-05	7.69E-05	1.98E-04	3.43E-05	2.51E-05	3.34E-04
3860	486363.09	3852877.25	0.01304	0.00638	0.007	0.00808	5.27E-05	1.90E-04	4.48E-05	2.55E-05	3.13E-04	4.79E-05	2.06E-10	5.97E-07	6.96E-07	4.92E-05	6.10E-05	1.90E-04	4.48E-05	2.55E-05	3.22E-04
3861	486863.09	3852877.25	0.01277	0.00665	0.0074	0.00848	5.16E-05	1.98E-04	4.69E-05	2.68E-05	3.24E-04	4.69E-05	2.14E-10	6.25E-07	7.30E-07	4.83E-05	5.97E-05	1.98E-04	4.69E-05	2.68E-05	3.32E-04
3862	487363.09	3852877.25	0.01203	0.00672	0.0055	0.00869	4.86E-05	2.00E-04	3.51E-05	2.74E-05	3.12E-04	4.42E-05	2.17E-10	4.68E-07	7.48E-07	4.54E-05	5.63E-05	2.00E-04	3.51E-05	2.74E-05	3.19E-04
3863	487863.09	3852877.25	0.0123	0.00686	0.0042	0.009	4.97E-05	2.05E-04	2.65E-05	2.84E-05	3.09E-04	4.52E-05	2.21E-10	3.53E-07	7.75E-07	4.63E-05	5.75E-05	2.05E-04	2.65E-05	2.84E-05	3.17E-04
3864	488363.09	3852877.25	0.01043	0.0061	0.0045	0.0089	4.22E-05	1.82E-04	2.85E-05	2.81E-05	2.81E-04	3.83E-05	1.97E-10	3.80E-07	7.66E-07	3.95E-05	4.88E-05	1.82E-04	2.85E-05	2.81E-05	2.87E-04
3865	488863.09	3852877.25	0.01294	0.00682	0.0052	0.00938	5.23E-05	2.03E-04	3.32E-05	2.96E-05	3.19E-04	4.76E-05	2.20E-10	4.42E-07	8.08E-07	4.88E-05	6.05E-05	2.03E-04	3.32E-05	2.96E-05	3.27E-04
3866	489363.09	3852877.25	0.01506	0.00725	0.0052	0.00972	6.09E-05	2.16E-04	3.34E-05	3.07E-05	3.41E-04	5.54E-05	2.34E-10	4.46E-07	8.37E-07	5.67E-05	7.04E-05	2.16E-04	3.34E-05	3.07E-05	3.51E-04
3867	489863.09	3852877.25	0.01725	0.00771	0.0052	0.01002	6.97E-05	2.30E-04	3.34E-05	3.16E-05	3.65E-04	6.34E-05	2.48E-10	4.46E-07	8.63E-07	6.47E-05	8.07E-05	2.30E-04	3.34E-05	3.16E-05	3.76E-04
3868	490363.09	3852877.25	0.02371	0.00946	0.0055	0.01065	9.58E-05	2.82E-04	3.51E-05	3.36E-05	4.47E-04	8.72E-05	3.05E-10	4.68E-07	9.17E-07	8.86E-05	1.11E-04	2.82E-04	3.51E-05	3.36E-05	4.62E-04
3869	490863.09	3852877.25	0.02761	0.01043	0.0054	0.01109	1.12E-04	3.11E-04	3.41E-05	3.50E-05	4.92E-04	1.02E-04	3.36E-10	4.55E-07	9.55E-07	1.03E-04	1.29E-04	3.11E-04	3.41E-05	3.50E-05	5.09E-04
3870	491363.09	3852877.25	0.03134	0.01142	0.0055	0.01149	1.27E-04	3.41E-04	3.48E-05	3.63E-05	5.38E-04	1.15E-04	3.68E-10	4.64E-07	9.89E-07	1.17E-04	1.47E-04	3.41E-04	3.48E-05	3.63E-05	5.58E-04
3871	491863.09	3852877.25	0.03355	0.01199	0.006	0.01174	1.36E-04	3.58E-04	3.83E-05	3.71E-05	5.69E-04	1.23E-04	3.86E-10	5.11E-07	1.01E-06	1.25E-04	1.57E-04	3.58E-04	3.83E-05	3.71E-05	5.90E-04
3872	492363.09	3852877.25	0.03606	0.01258	0.0076	0.01197	1.46E-04	3.75E-04	4.87E-05	3.78E-05	6.08E-04	1.33E-04	4.05E-10	6.49E-07	1.03E-06	1.34E-04	1.69E-04	3.75E-04	4.87E-05	3.78E-05	6.30E-04
3873	492863.09	3852877.25	0.04033	0.01363	0.0102	0.01231	1.63E-04	4.07E-04	6.51E-05	3.89E-05	6.74E-04	1.48E-04	4.39E-10	8.68E-07	1.06E-06	1.50E-04	1.89E-04	4.07E-04	6.51E-05	3.89E-05	6.99E-04
3874	493363.09	3852877.25	0.04314	0.01446	0.0119	0.0125	1.74E-04	4.31E-04	7.56E-05	3.95E-05	7.21E-04	1.59E-04	4.66E-10	1.01E-06	1.08E-06	1.61E-04	2.02E-04	4.31E-04	7.56E-05	3.95E-05	7.48E-04
3875	493863.09	3852877.25	0.04306	0.01465	0.0113	0.01243	1.74E-04	4.37E-04	7.19E-05	3.92E-05	7.22E-04	1.58E-04	4.72E-10	9.59E-07	1.07E-06	1.60E-04	2.01E-04	4.37E-04	7.19E-05	3.92E-05	7.50E-04
3876	494363.09	3852877.25	0.04306	0.01482	0.0107	0.01249	1.74E-04	4.42E-04	6.80E-05	3.94E-05	7.24E-04	1.58E-04	4.78E-10	9.07E-07	1.08E-06	1.60E-04	2.01E-04	4.42E-04	6.80E-05	3.94E-05	7.51E-04
3877	494863.09	3852877.25	0.0438	0.01522	0.0106	0.0126	1.77E-04	4.54E-04	6.74E-05	3.98E-05	7.38E-04	1.61E-04	4.91E-10	8.98E-07	1.08E-06	1.63E-04	2.05E-04	4.54E-04	6.74E-05	3.98E-05	7.66E-04
3878	495363.09	3852877.25	0.04172	0.01487	0.0111	0.01255	1.69E-04	4.44E-04	7.05E-05	3.96E-05	7.22E-04	1.53E-04	4.79E-10	9.41E-07	1.08E-06	1.55E-04	1.95E-04	4.44E-04	7.05E-05	3.96E-05	7.49E-04
3879	495863.09	3852877.25	0.03948	0.01448	0.0119	0.01246	1.60E-04	4.32E-04	7.60E-05	3.93E-05	7.07E-04	1.45E-04	4.67E-10	1.01E-06	1.07E-06	1.47E-04	1.85E-04	4.32E-04	7.60E-05	3.93E-05	7.32E-04
3880	496363.09	3852877.25	0.03876	0.01453	0.0129	0.01242	1.57E-04	4.33E-04	8.22E-05	3.92E-05	7.12E-04	1.43E-04	4.68E-10	1.10E-06	1.07E-06	1.45E-04	1.81E-04	4.33E-04	8.22E-05	3.92E-05	7.36E-04
3881	496863.09	3852877.25	0.03688	0.01431	0.0137	0.01233	1.49E-04	4.27E-04	8.73E-05	3.89E-05	7.02E-04	1.36E-04	4.61E-10	1.16E-06	1.06E-06	1.38E-04	1.72E-04	4.27E-04	8.73E-05	3.89E-05	7.26E-04
3882	497363.09	3852877.25	0.03184	0.01305	0.014	0.01202	1.29E-04	3.89E-04	8.96E-05	3.80E-05	6.46E-04	1.17E-04	4.21E-10	1.19E-06	1.04E-06	1.19E-04	1.49E-04	3.89E-04	8.96E-05	3.80E-05	6.66E-04
3883	497863.09	3852877.25	0.02442	0.01099	0.014	0.01163	9.87E-05	3.28E-04	8.92E-05	3.67E-05	5.53E-04	8.98E-05	3.54E-10	1.19E-06	1.00E-06	9.20E-05	1.14E-04	3.28E-04	8.92E-05	3.67E-05	5.68E-04
3884	498363.09	3852877.25	0.02296	0.01073	0.0148	0.01153	9.28E-05	3.20E-04	9.45E-05	3.64E-05	5.44E-04	8.44E-05	3.46E-10	1.26E-06	9.93E-07	8.67E-05	1.07E-04	3.20E-04	9.45E-05	3.64E-05	5.58E-04
3885	471363.09	3853377.25	0.00825	0.00475	0.0037	0.00352	3.33E-05	1.42E-04	2.38E-05	1.11E-05	2.10E-04	3.03E-05	1.53E-10	3.17E-07	3.03E-07	3.10E-05	3.86E-05	1.42E-04	2.38E-05	1.11E-05	2.15E-04
3886	471863.09	3853377.25	0.00907	0.00503	0.0038	0.00365	3.67E-05	1.50E-04	2.42E-05	1.15E-05	2.22E-04	3.33E-05	1.62E-10	3.23E-07	3.14E-07	3.40E-05	4.24E-05	1.50E-04	2.42E-05	1.15E-05	2.28E-04
3887	472363.09	3853377.25	0.00976	0.00531	0.0038	0.00378	3.95E-05	1.58E-04	2.44E-05	1.19E-05	2.34E-04	3.59E-05	1.71E-10	3.26E-07	3.25E-07	3.65E-05	4.56E-05	1.58E-04	2.44E-05	1.19E-05	2.40E-04
3888	472863.09	3853377.25	0.01046	0.00561	0.0039	0.0039	4.23E-05	1.67E-04	2.46E-05	1.23E-05	2.47E-04	3.85E-05	1.81E-10	3.27E-07	3.36E-07	3.91E-05	4.89E-05	1.67E-04	2.46E-05	1.23E-05	2.53E-04
3889	473363.09	3853377.25	0.01103	0.00583	0.0039	0.00399	4.46E-05	1.74E-04	2.46E-05	1.26E-05	2.56E-04	4.06E-05	1.88E-10	3.28E-07	3.44E-07	4.12E-05	5.16E-05	1.74E-04	2.46E-05	1.26E-05	2.63E-04
3890	473863.09	3853377.25	0.01169	0.00608	0.0039	0.00408	4.73E-05	1.81E-04	2.49E-05	1.29E-05	2.66E-04	4.30E-05	1.96E-10	3.33E-07	3.51E-07	4.37E-05	5.47E-05	1.81E-04	2.49E-05	1.29E-05	2.74E-04
3891	474363.09	3853377.25	0.0124	0.0063	0.004	0.00415	5.01E-05	1.88E-04	2.56E-05	1.31E-05	2.77E-04	4.56E-05	2.03E-10	3.41E-07	3.57E-07	4.63E-05	5.80E-05	1.88E-04	2.56E-05	1.31E-05	2.85E-04
3892	474863.09	3853377.25	0.01257	0.00618	0.0041	0.0042	5.08E-05	1.84E-04	2.63E-05	1.33E-05	2.75E-04	4.62E-05	1.99E-10	3.50E-07	3.62E-07	4.69E-05	5.88E-05	1.84E-04	2.63E-05	1.33E-05	2.83E-04
3893	475363.09	3853377.25	0.01299	0.00621	0.0042	0.00429	5.25E-05	1.85E-04	2.70E-05	1.35E-05	2.78E-04	4.78E-05	2.00E-10	3.61E-07	3.69E-07	4.85E-05	6.07E-05	1.85E-04	2.70E-05	1.35E-05	2.87E-04
3894	475863.09	3853377.25	0.0133	0.00624	0.0043	0.00439	5.38E-05	1.86E-04	2.74E-05	1.39E-05	2.81E-04	4.89E-05	2.01E-10	3.66E-07	3.78E-07	4.96E-05	6.22E-05	1.86E-04	2.74E-05	1.39E-05	2.90E-04
3895	476363.09	3853377.25	0.01257	0.00594	0.0041	0.00445	5.08E-05	1.77E-04	2.64E-05	1.41E-05	2.68E-04	4.62E-05	1.91E-10	3.52E-07	3.83E-07	4.69E-05	5.88E-05	1.77E-04	2.64E-05	1.41E-05	2.76E-04
3896	476863.09	3853377.25	0.01092	0.0054	0.0038	0.00448	4.41E-05	1.61E-04	2.42E-05	1.41E-05	2.44E-04	4.01E-05	1.74E-10	3.22E-07	3.86E-07	4.09E-05	5.11E-05	1.61E-04	2.42E-05	1.41E-05	2.50E-04
3897	477363.09	3853377.25	0.01075	0.00544	0.0035	0.00453	4.35E-05	1.62E-04	2.25E-05	1.43E-05	2.43E-04	3.95E-05	1.75E-10	2.99E-07	3.90E-07	4.02E-05	5.03E-05	1.62E-04	2.25E-05	1.43E-05	2.49E-04
3898	477863.09	3853377.25	0.01082	0.00559	0.0032	0.00459	4.37E-05	1.67E-04	2.05E-05	1.45E-05	2.46E-04	3.98E-05	1.80E-10	2.74E-07	3.95E-07	4.04E-05	5.06E-05	1.67E-04	2.05E-05	1.45E-05	2.52E-04
3899	478363.09	3853377.25	0.00917	0.0051	0.0028	0.00465	3.71E-05	1.52E-04	1.77E-05	1.47E-05	2.22E-04	3.37E-05	1.64E-10	2.36E-07	4.00E-07	3.43E-05	4.29E-05	1.52E-04	1.77E-05	1.47E-05	2.27E-04
3900	478863.09	3853377.25	0.00713	0.00451	0.0025	0.00472	2.88E-05	1.35E-04	1.58E-05	1.49E-05	1.94E-04	2.62E-05	1.45E-10	2.11E-07	4.06E-07	2.68E-05	3.33E-05	1.35E-04	1.58E-05	1.49E-05	1.99E-04

3901	479363.09	3853377.25	0.01163	0.00622	0.0026	0.005	4.70E-05	1.86E-04	1.66E-05	1.58E-05	2.65E-04	4.28E-05	2.00E-10	2.22E-07	4.31E-07	4.34E-05	5.44E-05	1.86E-04	1.66E-05	1.58E-05	2.72E-04
3902	479863.09	3853377.25	0.0179	0.00806	0.0028	0.00525	7.24E-05	2.40E-04	1.79E-05	1.66E-05	3.47E-04	6.58E-05	2.60E-10	2.38E-07	4.52E-07	6.65E-05	8.37E-05	2.40E-04	1.79E-05	1.66E-05	3.59E-04
3903	480363.09	3853377.25	0.0293	0.01216	0.003	0.00547	1.18E-04	3.63E-04	1.89E-05	1.73E-05	5.17E-04	1.08E-04	3.92E-10	2.52E-07	4.71E-07	1.08E-04	1.37E-04	3.63E-04	1.89E-05	1.73E-05	5.36E-04
3904	480863.09	3853377.25	0.03293	0.01242	0.003	0.00561	1.33E-04	3.71E-04	1.94E-05	1.77E-05	5.41E-04	1.21E-04	4.00E-10	2.59E-07	4.83E-07	1.22E-04	1.54E-04	3.71E-04	1.94E-05	1.77E-05	5.62E-04
3905	481363.09	3853377.25	0.04076	0.02035	0.0031	0.00593	1.65E-04	6.07E-04	1.98E-05	1.87E-05	8.10E-04	1.50E-04	6.56E-10	2.64E-07	5.11E-07	1.51E-04	1.91E-04	6.07E-04	1.98E-05	1.87E-05	8.36E-04
3906	481863.09	3853377.25	0.04147	0.02784	0.0033	0.00625	1.68E-04	8.31E-04	2.10E-05	1.97E-05	1.04E-03	1.52E-04	8.97E-10	2.81E-07	5.38E-07	1.53E-04	1.94E-04	8.31E-04	2.10E-05	1.97E-05	1.07E-03
3907	482363.09	3853377.25	0.04146	0.02534	0.0034	0.00694	1.68E-04	7.56E-04	2.16E-05	2.19E-05	9.67E-04	1.52E-04	8.17E-10	2.88E-07	5.98E-07	1.53E-04	1.94E-04	7.56E-04	2.16E-05	2.19E-05	9.93E-04
3908	482863.09	3853377.25	0.05577	0.02455	0.0034	0.00763	2.25E-04	7.32E-04	2.18E-05	2.41E-05	1.00E-03	2.05E-04	7.91E-10	2.90E-07	6.57E-07	2.06E-04	2.61E-04	7.32E-04	2.18E-05	2.41E-05	1.04E-03
3909	483363.09	3853377.25	0.06414	0.0177	0.0034	0.00759	2.59E-04	5.28E-04	2.18E-05	2.40E-05	8.33E-04	2.36E-04	5.70E-10	2.91E-07	6.54E-07	2.37E-04	3.00E-04	5.28E-04	2.18E-05	2.40E-05	8.74E-04
3910	483863.09	3853377.25	0.05295	0.01405	0.004	0.00806	2.14E-04	4.19E-04	2.58E-05	2.54E-05	6.84E-04	1.95E-04	4.53E-10	3.44E-07	6.94E-07	1.96E-04	2.48E-04	4.19E-04	2.58E-05	2.54E-05	7.18E-04
3911	484363.09	3853377.25	0.04848	0.01318	0.0046	0.008	1.96E-04	3.93E-04	2.95E-05	2.53E-05	6.44E-04	1.78E-04	4.25E-10	3.94E-07	6.89E-07	1.79E-04	2.27E-04	3.93E-04	2.95E-05	2.53E-05	6.75E-04
3912	484863.09	3853377.25	0.03787	0.01031	0.0048	0.0091	1.53E-04	3.08E-04	3.03E-05	2.87E-05	5.20E-04	1.39E-04	3.32E-10	4.04E-07	7.84E-07	1.40E-04	1.77E-04	3.08E-04	3.03E-05	2.87E-05	5.44E-04
3913	485363.09	3853377.25	0.02111	0.00797	0.0072	0.00977	8.53E-05	2.38E-04	4.57E-05	3.08E-05	4.00E-04	7.76E-05	2.57E-10	6.10E-07	8.41E-07	7.91E-05	9.87E-05	2.38E-04	4.57E-05	3.08E-05	4.13E-04
3914	485863.09	3853377.25	0.01395	0.00713	0.0052	0.0097	5.64E-05	2.13E-04	3.33E-05	3.06E-05	3.33E-04	5.13E-05	2.30E-10	4.44E-07	8.35E-07	5.26E-05	6.52E-05	2.13E-04	3.33E-05	3.06E-05	3.42E-04
3915	486363.09	3853377.25	0.01475	0.00802	0.0063	0.0105	5.96E-05	2.39E-04	4.03E-05	3.32E-05	3.72E-04	5.42E-05	2.58E-10	5.37E-07	9.04E-07	5.57E-05	6.90E-05	2.39E-04	4.03E-05	3.32E-05	3.82E-04
3916	486863.09	3853377.25	0.01568	0.00878	0.0074	0.01093	6.34E-05	2.62E-04	4.73E-05	3.45E-05	4.07E-04	5.76E-05	2.83E-10	6.31E-07	9.41E-07	5.92E-05	7.33E-05	2.62E-04	4.73E-05	3.45E-05	4.17E-04
3917	487363.09	3853377.25	0.01869	0.00979	0.0067	0.01123	7.55E-05	2.92E-04	4.25E-05	3.55E-05	4.46E-04	6.87E-05	3.16E-10	5.66E-07	9.67E-07	7.02E-05	8.74E-05	2.92E-04	4.25E-05	3.55E-05	4.57E-04
3918	487863.09	3853377.25	0.02288	0.01062	0.0047	0.01156	9.25E-05	3.17E-04	3.00E-05	3.65E-05	4.76E-04	8.41E-05	3.42E-10	4.01E-07	9.95E-07	8.55E-05	1.07E-04	3.17E-04	3.00E-05	3.65E-05	4.90E-04
3919	488363.09	3853377.25	0.02797	0.01168	0.0051	0.01217	1.13E-04	3.48E-04	3.22E-05	3.84E-05	5.32E-04	1.03E-04	3.76E-10	4.29E-07	1.05E-06	1.04E-04	1.31E-04	3.48E-04	3.22E-05	3.84E-05	5.50E-04
3920	488863.09	3853377.25	0.03221	0.01231	0.006	0.0128	1.30E-04	3.67E-04	3.80E-05	4.04E-05	5.76E-04	1.18E-04	3.97E-10	5.06E-07	1.10E-06	1.20E-04	1.51E-04	3.67E-04	3.80E-05	4.04E-05	5.96E-04
3921	489363.09	3853377.25	0.03593	0.01281	0.0064	0.01306	1.45E-04	3.82E-04	4.07E-05	4.12E-05	6.09E-04	1.32E-04	4.13E-10	5.43E-07	1.12E-06	1.34E-04	1.68E-04	3.82E-04	4.07E-05	4.12E-05	6.32E-04
3922	489863.09	3853377.25	0.03793	0.01321	0.007	0.01317	1.53E-04	3.94E-04	4.48E-05	4.16E-05	6.34E-04	1.39E-04	4.26E-10	5.98E-07	1.13E-06	1.41E-04	1.77E-04	3.94E-04	4.48E-05	4.16E-05	6.58E-04
3923	490363.09	3853377.25	0.04296	0.01442	0.0071	0.01357	1.74E-04	4.30E-04	4.55E-05	4.28E-05	6.92E-04	1.58E-04	4.65E-10	6.06E-07	1.17E-06	1.60E-04	2.01E-04	4.30E-04	4.55E-05	4.28E-05	7.19E-04
3924	490863.09	3853377.25	0.04726	0.01526	0.0068	0.01389	1.91E-04	4.55E-04	4.34E-05	4.39E-05	7.34E-04	1.74E-04	4.92E-10	5.78E-07	1.20E-06	1.76E-04	2.21E-04	4.55E-04	4.34E-05	4.39E-05	7.64E-04
3925	491363.09	3853377.25	0.05104	0.01611	0.0065	0.01406	2.06E-04	4.81E-04	4.11E-05	4.44E-05	7.72E-04	1.88E-04	5.19E-10	5.49E-07	1.21E-06	1.89E-04	2.39E-04	4.81E-04	4.11E-05	4.44E-05	8.05E-04
3926	491863.09	3853377.25	0.05396	0.01681	0.0083	0.01412	2.18E-04	5.01E-04	5.27E-05	4.46E-05	8.17E-04	1.98E-04	5.42E-10	7.02E-07	1.22E-06	2.00E-04	2.52E-04	5.01E-04	5.27E-05	4.46E-05	8.51E-04
3927	492363.09	3853377.25	0.05818	0.01783	0.0113	0.01424	2.35E-04	5.32E-04	7.21E-05	4.50E-05	8.84E-04	2.14E-04	5.75E-10	9.61E-07	1.23E-06	2.16E-04	2.72E-04	5.32E-04	7.21E-05	4.50E-05	9.21E-04
3928	492863.09	3853377.25	0.06173	0.01886	0.014	0.01442	2.50E-04	5.63E-04	8.96E-05	4.55E-05	9.47E-04	2.27E-04	6.08E-10	1.19E-06	1.24E-06	2.29E-04	2.89E-04	5.63E-04	8.96E-05	4.55E-05	9.86E-04
3929	493363.09	3853377.25	0.06171	0.01932	0.0136	0.01435	2.49E-04	5.76E-04	8.68E-05	4.53E-05	9.58E-04	2.27E-04	6.23E-10	1.16E-06	1.24E-06	2.29E-04	2.89E-04	5.76E-04	8.68E-05	4.53E-05	9.97E-04
3930	493863.09	3853377.25	0.06109	0.0195	0.0128	0.01439	2.47E-04	5.82E-04	8.15E-05	4.54E-05	9.56E-04	2.25E-04	6.28E-10	1.09E-06	1.24E-06	2.27E-04	2.86E-04	5.82E-04	8.15E-05	4.54E-05	9.94E-04
3931	494363.09	3853377.25	0.05848	0.01912	0.0123	0.01432	2.36E-04	5.70E-04	7.86E-05	4.52E-05	9.31E-04	2.15E-04	6.16E-10	1.05E-06	1.23E-06	2.17E-04	2.73E-04	5.70E-04	7.86E-05	4.52E-05	9.68E-04
3932	494863.09	3853377.25	0.055	0.01854	0.0134	0.01419	2.22E-04	5.53E-04	8.57E-05	4.48E-05	9.06E-04	2.02E-04	5.98E-10	1.14E-06	1.22E-06	2.05E-04	2.57E-04	5.53E-04	8.57E-05	4.48E-05	9.41E-04
3933	495363.09	3853377.25	0.05307	0.01839	0.0148	0.01411	2.15E-04	5.49E-04	9.46E-05	4.46E-05	9.02E-04	1.95E-04	5.93E-10	1.26E-06	1.22E-06	1.98E-04	2.48E-04	5.49E-04	9.46E-05	4.46E-05	9.36E-04
3934	495863.09	3853377.25	0.05002	0.01792	0.0157	0.01391	2.02E-04	5.35E-04	1.00E-04	4.39E-05	8.81E-04	1.84E-04	5.78E-10	1.34E-06	1.20E-06	1.86E-04	2.34E-04	5.35E-04	1.00E-04	4.39E-05	9.13E-04
3935	496363.09	3853377.25	0.04584	0.0171	0.0163	0.01363	1.85E-04	5.10E-04	1.04E-04	4.30E-05	8.43E-04	1.69E-04	5.51E-10	1.39E-06	1.17E-06	1.71E-04	2.14E-04	5.10E-04	1.04E-04	4.30E-05	8.72E-04
3936	496863.09	3853377.25	0.04026	0.01582	0.0169	0.01329	1.63E-04	4.72E-04	1.08E-04	4.20E-05	7.85E-04	1.48E-04	5.10E-10	1.44E-06	1.14E-06	1.51E-04	1.88E-04	4.72E-04	1.08E-04	4.20E-05	8.10E-04
3937	497363.09	3853377.25	0.03359	0.01418	0.0174	0.01291	1.36E-04	4.23E-04	1.11E-04	4.08E-05	7.10E-04	1.23E-04	4.57E-10	1.48E-06	1.11E-06	1.26E-04	1.57E-04	4.23E-04	1.11E-04	4.08E-05	7.32E-04
3938	497863.09	3853377.25	0.023	0.01096	0.0168	0.0121	9.30E-05	3.27E-04	1.07E-04	3.82E-05	5.65E-04	8.46E-05	3.53E-10	1.43E-06	1.04E-06	8.70E-05	1.08E-04	3.27E-04	1.07E-04	3.82E-05	5.80E-04
3939	498363.09	3853377.25	0.01822	0.00943	0.0168	0.01148	7.36E-05	2.81E-04	1.07E-04	3.62E-05	4.98E-04	6.70E-05	3.04E-10	1.43E-06	9.89E-07	6.94E-05	8.52E-05	2.81E-04	1.07E-04	3.62E-05	5.10E-04
3940	471363.09	3853877.25	0.00809	0.0051	0.004	0.00351	3.27E-05	1.52E-04	2.53E-05	1.11E-05	2.21E-04	2.97E-05	1.64E-10	3.37E-07	3.02E-07	3.04E-05	3.78E-05	1.52E-04	2.53E-05	1.11E-05	2.26E-04
3941	471863.09	3853877.25	0.00907	0.00548	0.0042	0.00365	3.67E-05	1.63E-04	2.67E-05	1.15E-05	2.38E-04	3.33E-05	1.77E-10	3.56E-07	3.14E-07	3.40E-05	4.24E-05	1.63E-04	2.67E-05	1.15E-05	2.44E-04
3942	472363.09	3853877.25	0.00973	0.00566	0.0043	0.00379	3.93E-05	1.69E-04	2.74E-05	1.20E-05	2.48E-04	3.58E-05	1.82E-10	3.65E-07	3.26E-07	3.65E-05	4.55E-05	1.69E-04	2.74E-05	1.20E-05	2.54E-04
3943	472863.09	3853877.25	0.01054	0.00591	0.0044	0.00395	4.26E-05	1.76E-04	2.79E-05	1.25E-05	2.59E-04	3.88E-05	1.90E-10	3.73E-07	3.40E-07	3.95E-05	4.93E-05	1.76E-04	2.79E-05	1.25E-05	2.66E-04
3944	473363.09	3853877.25	0.01114	0.00603	0.0044	0.0041	4.50E-05	1.80E-04	2.79E-05	1.29E-05	2.66E-04	4.10E-05	1.94E-10	3.72E-07	3.53E-07	4.17E-05	5.21E-05	1.80E-04	2.79E-05	1.29E-05	2.73E-04
3945	473863.09	3853877.25	0.01176	0.0062	0.0043	0.00424	4.75E-05	1.85E-04	2.77E-05	1.34E-05	2.74E-04	4.32E-05	2.00E-10	3.69E-07	3.65E-07	4.40E-05	5.50E-05	1.85E-04	2.77E-05	1.34E-05	2.81E-04
3946	474363.09	3853877.25	0.01254	0.00648	0.0043	0.00439	5.07E-05	1.93E-04	2.76E-05	1.39E-05	2.85E-04	4.61E-05	2.09E-10	3.68E-07	3.78E-07	4.68E-05	5.86E-05	1.93E-04	2.76E-05	1.39E-05	2.93E-04
3947	474863.09	3853877.25	0.01316	0.00668	0.0043	0.00452	5.32E-05	1.99E-04	2.76E-05	1.43E-05	2.94E-04	4.84E-05	2.15E-10	3.67E-07	3.89E-07	4.91E-05	6.15E-05	1.99E-04	2.76E-05	1.43E-05	3.03E-04
3948	475363.09	3853877.25	0.01295	0.00648	0.0043	0.00456	5.23E-05	1.93E-04	2.75E-05	1.44E-05	2.88E-04	4.76E-05	2.09E-10	3.67E-07	3.93E-07	4.84E-05	6.06E-05	1.93E-04	2.75E-05	1.44E-05	2.96E-04
3949	475863.09	3853877.25	0.01129	0.00586	0.0043	0.00458	4.56E-05	1.75E-04	2.72E-05	1.45E-05	2.62E-04	4.15E-05	1.89E-10	3.63E-07	3.94E-07	4.23E-05	5.28E-05	1.75E-04	2.72E-05	1.45E-05	2.69E-04
3950	476363.09	3853877.25	0.0096	0.0053	0.0042	0.00462	3.88E-05	1.58E-04	2.69E-05	1.46E-05	2.38E-04	3.53E-05	1.71E-10	3.58E-07	3.98E-07	3.61E-05	4.49E-05	1.58E-04	2.69E-05	1.46E-05	2.44E-04
3951	476863.09	3853877.25	0.00776	0.0047	0.0039	0.00469	3.14E-05	1.40E-04	2.51E-05	1.48E-05	2.12E-04	2.85E-05	1.51E-10	3.35E-07	4.04E-07	2.93E-05	3.63E-05	1.40E-04	2.51E-05	1.48E-05	2.16E-04
3952	477363.09	3853877.25	0.00858	0.00496	0.0039	0.00484	3.47E-05	1.48E-04	2.48E-05	1.53E-05	2.23E-04	3.15E-05	1.60E-10	3.31E-07	4.17E-07	3.23E-05	4.01E-05	1.48E-04	2.48E-05	1.53E-05	2.28E-04
3953	477863.09	3853877.25	0.00991	0.00545	0.0039	0.00501	4.01E-05	1.63E-04	2.46E-05	1.58E-05	2.43E-04	3.64E-05	1.76E-10	3.28E-07	4.31E-07	3.72E-05	4.63E-05	1.63E-04	2.46E-05	1.58E-05	2.49E-04
3954	478363.09	3853877.25	0.01057	0.00576	0.0037	0.00517	4.27E-05	1.72E-04	2.35E-05	1.63E-05	2.54E-04	3.89E-05	1.86E-10	3.13E-07	4.45E-07	3.96E-05	4.94E-05	1.72E-04	2.35E-05	1.63E-05	2.61E-04
3955	478863.09	3853877.25	0.00768	0.00482	0.0032	0.00526	3.10E-05	1.44E-04	2.02E-05	1.66E-05	2.12E-04	2.82E-05	1.55E-10	2.69E-07	4.53E-07	2.90E-05	3.59E-05	1.44E-04	2.02E-05	1.66E-05	2.16E-04
3956	479363.09	3853877.25	0.01029	0.00587	0.0031	0.00549	4.16E-05	1.75E-04	1.95E-05	1.73E-05	2.54E-04	3.78E-05	1.89E-10	2.60E-07	4.73E-07	3.86E-05	4.81E-05	1.75E-04	1.95E-05	1.73E-05	2.60E-04
3957	479863.09	3853877.25	0.01863	0.00859	0.0032	0.00589	7.53E-05	2.56E-04	2.03E-05	1.86E-05	3.70E-04	6.85E-05	2.77E-10	2.70E-07	5.07E-07	6.93E-05	8.71E-05	2.56E-04	2.03E-05	1.86E-05	3.82E-04
3958	480363.09	3853877.25	0.0268	0.01098	0.0031	0.00635	1.08E-04	3.28E-04	1.99E-05	2.00E-05	4.76E-04	9.85E-05	3.54E-10	2.65E-07	5.47E-07	9.93E-05	1.25E-04	3.28E-04	1.99E-05	2.00E-05	4.93E-04
3959	480863.09	3853877.25	0.03807	0.01629	0.0032	0.0067	1.54E-04	4.86E-04	2.03E-05	2.12E-05	6.81E-04	1.40E-04	5.25E-10	2.70E-07	5.77E-07	1.41E-04	1.78E-04	4.86E-04	2.03E-05	2.12E-05	7.05E-04
3960	481363.09	3853877.25	0.04528	0.02268	0.0033	0.0071	1.83E-04	6.77E-04	2.11E-05	2.24E-05	9.03E-04	1.66E-04	7.31E-10	2.82E-07	6.11E-07	1.67E-04	2.12E-04	6.77E-04	2.11E-05	2.24E-05	9.32E-04
3961	481863.09	3853877.25	0.05157	0.03737	0.0035	0.00795	2.08E-04	1.11E-03	2.23E-05	2.51E-05	1.37E-03	1.90E-04	1.20E-09	2.98E-07	6.85E-07	1.91E-04	2.41E-04	1.11E-03	2.23E-05	2.51E-05	1.40E-03

3962	482363.09	3853877.25	0.05823	0.03556	0.0036	0.00896	2.35E-04	1.06E-03	2.30E-05	2.83E-05	1.35E-03	2.14E-04	1.15E-09	3.07E-07	7.72E-07	2.15E-04	2.72E-04	1.06E-03	2.30E-05	2.83E-05	1.38E-03
3963	482863.09	3853877.25	0.06218	0.03067	0.0037	0.01034	2.51E-04	9.15E-04	2.35E-05	3.26E-05	1.22E-03	2.29E-04	9.89E-10	3.14E-07	8.90E-07	2.30E-04	2.91E-04	9.15E-04	2.35E-05	3.26E-05	1.26E-03
3964	483363.09	3853877.25	0.08343	0.02377	0.0037	0.0101	3.37E-04	7.09E-04	2.37E-05	3.19E-05	1.10E-03	3.07E-04	7.66E-10	3.16E-07	8.70E-07	3.08E-04	3.90E-04	7.09E-04	2.37E-05	3.19E-05	1.15E-03
3965	483863.09	3853877.25	0.09187	0.02092	0.0038	0.01096	3.71E-04	6.24E-04	2.42E-05	3.46E-05	1.05E-03	3.38E-04	6.74E-10	3.22E-07	9.44E-07	3.39E-04	4.30E-04	6.24E-04	2.42E-05	3.46E-05	1.11E-03
3966	484363.09	3853877.25	0.06881	0.01585	0.0048	0.01226	2.78E-04	4.73E-04	3.05E-05	3.87E-05	8.20E-04	2.53E-04	5.11E-10	4.07E-07	1.06E-06	2.54E-04	3.22E-04	4.73E-04	3.05E-05	3.87E-05	8.64E-04
3967	484863.09	3853877.25	0.04359	0.01276	0.0059	0.01384	1.76E-04	3.81E-04	3.74E-05	4.37E-05	6.38E-04	1.60E-04	4.11E-10	4.98E-07	1.19E-06	1.62E-04	2.04E-04	3.81E-04	3.74E-05	4.37E-05	6.66E-04
3968	485363.09	3853877.25	0.02295	0.01068	0.0056	0.01391	9.28E-05	3.19E-04	3.55E-05	4.39E-05	4.91E-04	8.44E-05	3.44E-10	4.73E-07	1.20E-06	8.60E-05	1.07E-04	3.19E-04	3.55E-05	4.39E-05	5.05E-04
3969	485863.09	3853877.25	0.02584	0.01266	0.0074	0.01469	1.04E-04	3.78E-04	4.71E-05	4.64E-05	5.76E-04	9.50E-05	4.08E-10	6.28E-07	1.26E-06	9.69E-05	1.21E-04	3.78E-04	4.71E-05	4.64E-05	5.92E-04
3970	486363.09	3853877.25	0.0265	0.01356	0.0066	0.01474	1.07E-04	4.05E-04	4.18E-05	4.65E-05	6.00E-04	9.74E-05	4.37E-10	5.57E-07	1.27E-06	9.93E-05	1.24E-04	4.05E-04	4.18E-05	4.65E-05	6.17E-04
3971	486863.09	3853877.25	0.02943	0.01409	0.0086	0.01465	1.19E-04	4.20E-04	5.45E-05	4.63E-05	6.40E-04	1.08E-04	4.54E-10	7.27E-07	1.26E-06	1.10E-04	1.38E-04	4.20E-04	5.45E-05	4.63E-05	6.59E-04
3972	487363.09	3853877.25	0.03745	0.01544	0.0086	0.01536	1.51E-04	4.61E-04	5.49E-05	4.85E-05	7.15E-04	1.38E-04	4.98E-10	7.31E-07	1.32E-06	1.40E-04	1.75E-04	4.61E-04	5.49E-05	4.85E-05	7.39E-04
3973	487863.09	3853877.25	0.05075	0.01759	0.0056	0.01621	2.05E-04	5.25E-04	3.57E-05	5.12E-05	8.17E-04	1.87E-04	5.67E-10	4.76E-07	1.40E-06	1.88E-04	2.37E-04	5.25E-04	3.57E-05	5.12E-05	8.49E-04
3974	488363.09	3853877.25	0.06001	0.01891	0.0058	0.01653	2.43E-04	5.64E-04	3.70E-05	5.22E-05	8.96E-04	2.21E-04	6.09E-10	4.93E-07	1.42E-06	2.23E-04	2.81E-04	5.64E-04	3.70E-05	5.22E-05	9.34E-04
3975	488863.09	3853877.25	0.0714	0.02066	0.0068	0.01728	2.89E-04	6.16E-04	4.34E-05	5.46E-05	1.00E-03	2.63E-04	6.66E-10	5.79E-07	1.49E-06	2.65E-04	3.34E-04	6.16E-04	4.34E-05	5.46E-05	1.05E-03
3976	489363.09	3853877.25	0.07217	0.02048	0.008	0.01721	2.92E-04	6.11E-04	5.10E-05	5.43E-05	1.01E-03	2.65E-04	6.60E-10	6.80E-07	1.48E-06	2.67E-04	3.38E-04	6.11E-04	5.10E-05	5.43E-05	1.05E-03
3977	489863.09	3853877.25	0.07756	0.02164	0.0095	0.01722	3.14E-04	6.46E-04	6.03E-05	5.44E-05	1.07E-03	2.85E-04	6.97E-10	8.05E-07	1.48E-06	2.87E-04	3.63E-04	6.46E-04	6.03E-05	5.44E-05	1.12E-03
3978	490363.09	3853877.25	0.07903	0.02195	0.0099	0.017	3.19E-04	6.55E-04	6.30E-05	5.37E-05	1.09E-03	2.91E-04	7.07E-10	8.40E-07	1.46E-06	2.93E-04	3.70E-04	6.55E-04	6.30E-05	5.37E-05	1.14E-03
3979	490863.09	3853877.25	0.08171	0.02258	0.0074	0.01692	3.30E-04	6.74E-04	4.70E-05	5.34E-05	1.10E-03	3.00E-04	7.28E-10	6.27E-07	1.46E-06	3.02E-04	3.82E-04	6.74E-04	4.70E-05	5.34E-05	1.16E-03
3980	491363.09	3853877.25	0.08423	0.02321	0.009	0.01692	3.40E-04	6.92E-04	5.73E-05	5.34E-05	1.14E-03	3.10E-04	7.48E-10	7.65E-07	1.46E-06	3.12E-04	3.94E-04	6.92E-04	5.73E-05	5.34E-05	1.20E-03
3981	491863.09	3853877.25	0.08553	0.02368	0.0133	0.01676	3.46E-04	7.06E-04	8.51E-05	5.29E-05	1.19E-03	3.14E-04	7.63E-10	1.13E-06	1.44E-06	3.17E-04	4.00E-04	7.06E-04	8.51E-05	5.29E-05	1.24E-03
3982	492363.09	3853877.25	0.08874	0.02498	0.0164	0.01669	3.59E-04	7.45E-04	1.04E-04	5.27E-05	1.26E-03	3.26E-04	8.05E-10	1.39E-06	1.44E-06	3.29E-04	4.15E-04	7.45E-04	1.04E-04	5.27E-05	1.32E-03
3983	492863.09	3853877.25	0.08913	0.02578	0.0167	0.01666	3.60E-04	7.69E-04	1.07E-04	5.26E-05	1.29E-03	3.28E-04	8.31E-10	1.42E-06	1.43E-06	3.31E-04	4.17E-04	7.69E-04	1.07E-04	5.26E-05	1.35E-03
3984	493363.09	3853877.25	0.08617	0.02564	0.0152	0.01661	3.48E-04	7.65E-04	9.72E-05	5.24E-05	1.26E-03	3.17E-04	8.26E-10	1.30E-06	1.43E-06	3.20E-04	4.03E-04	7.65E-04	9.72E-05	5.24E-05	1.32E-03
3985	493863.09	3853877.25	0.08182	0.0251	0.0153	0.0165	3.31E-04	7.49E-04	9.76E-05	5.21E-05	1.23E-03	3.01E-04	8.09E-10	1.30E-06	1.42E-06	3.04E-04	3.83E-04	7.49E-04	9.76E-05	5.21E-05	1.28E-03
3986	494363.09	3853877.25	0.07807	0.02478	0.018	0.01639	3.16E-04	7.39E-04	1.15E-04	5.17E-05	1.22E-03	2.87E-04	7.99E-10	1.53E-06	1.41E-06	2.90E-04	3.65E-04	7.39E-04	1.15E-04	5.17E-05	1.27E-03
3987	494863.09	3853877.25	0.07256	0.02386	0.0199	0.01607	2.93E-04	7.12E-04	1.27E-04	5.07E-05	1.18E-03	2.67E-04	7.69E-10	1.69E-06	1.38E-06	2.70E-04	3.39E-04	7.12E-04	1.27E-04	5.07E-05	1.23E-03
3988	495363.09	3853877.25	0.06226	0.02148	0.0192	0.01537	2.52E-04	6.41E-04	1.22E-04	4.85E-05	1.06E-03	2.29E-04	6.92E-10	1.63E-06	1.32E-06	2.32E-04	2.91E-04	6.41E-04	1.22E-04	4.85E-05	1.10E-03
3989	495863.09	3853877.25	0.05437	0.01981	0.0195	0.01488	2.20E-04	5.91E-04	1.24E-04	4.70E-05	9.82E-04	2.00E-04	6.38E-10	1.65E-06	1.28E-06	2.03E-04	2.54E-04	5.91E-04	1.24E-04	4.70E-05	1.02E-03
3990	496363.09	3853877.25	0.04935	0.0189	0.0204	0.01461	1.99E-04	5.64E-04	1.30E-04	4.61E-05	9.40E-04	1.81E-04	6.09E-10	1.73E-06	1.26E-06	1.84E-04	2.31E-04	5.64E-04	1.30E-04	4.61E-05	9.71E-04
3991	496863.09	3853877.25	0.04155	0.01705	0.021	0.01413	1.68E-04	5.09E-04	1.34E-04	4.46E-05	8.55E-04	1.53E-04	5.50E-10	1.79E-06	1.22E-06	1.56E-04	1.94E-04	5.09E-04	1.34E-04	4.46E-05	8.82E-04
3992	497363.09	3853877.25	0.03539	0.01557	0.0213	0.01375	1.43E-04	4.65E-04	1.36E-04	4.34E-05	7.87E-04	1.30E-04	5.02E-10	1.81E-06	1.18E-06	1.33E-04	1.66E-04	4.65E-04	1.36E-04	4.34E-05	8.09E-04
3993	497863.09	3853877.25	0.0279	0.01342	0.0214	0.01323	1.13E-04	4.00E-04	1.36E-04	4.18E-05	6.91E-04	1.03E-04	4.33E-10	1.82E-06	1.14E-06	1.06E-04	1.30E-04	4.00E-04	1.36E-04	4.18E-05	7.09E-04
3994	498363.09	3853877.25	0.02371	0.01214	0.0211	0.01269	9.58E-05	3.62E-04	1.35E-04	4.01E-05	6.33E-04	8.72E-05	3.91E-10	1.80E-06	1.09E-06	9.01E-05	1.11E-04	3.62E-04	1.35E-04	4.01E-05	6.48E-04
3995	471363.09	3854377.25	0.00791	0.00529	0.0038	0.00351	3.20E-05	1.58E-04	2.41E-05	1.11E-05	2.25E-04	2.91E-05	1.70E-10	3.21E-07	3.02E-07	2.97E-05	3.70E-05	1.58E-04	2.41E-05	1.11E-05	2.30E-04
3996	471863.09	3854377.25	0.00866	0.00574	0.0041	0.00365	3.50E-05	1.71E-04	2.60E-05	1.15E-05	2.44E-04	3.18E-05	1.85E-10	3.46E-07	3.14E-07	3.25E-05	4.05E-05	1.71E-04	2.60E-05	1.15E-05	2.49E-04
3997	472363.09	3854377.25	0.00931	0.00605	0.0043	0.00379	3.76E-05	1.80E-04	2.75E-05	1.20E-05	2.58E-04	3.42E-05	1.95E-10	3.67E-07	3.26E-07	3.49E-05	4.35E-05	1.80E-04	2.75E-05	1.20E-05	2.63E-04
3998	472863.09	3854377.25	0.0099	0.00625	0.0045	0.00393	4.00E-05	1.86E-04	2.88E-05	1.24E-05	2.68E-04	3.64E-05	2.01E-10	3.84E-07	3.38E-07	3.71E-05	4.63E-05	1.86E-04	2.88E-05	1.24E-05	2.74E-04
3999	473363.09	3854377.25	0.01071	0.00653	0.0047	0.00409	4.33E-05	1.95E-04	3.02E-05	1.29E-05	2.81E-04	3.94E-05	2.10E-10	4.03E-07	3.52E-07	4.01E-05	5.01E-05	1.95E-04	3.02E-05	1.29E-05	2.88E-04
4000	473863.09	3854377.25	0.01171	0.00687	0.0049	0.00428	4.73E-05	2.05E-04	3.15E-05	1.35E-05	2.97E-04	4.31E-05	2.21E-10	4.20E-07	3.69E-07	4.38E-05	5.48E-05	2.05E-04	3.15E-05	1.35E-05	3.05E-04
4001	474363.09	3854377.25	0.01275	0.00714	0.0051	0.00447	5.15E-05	2.13E-04	3.23E-05	1.41E-05	3.11E-04	4.69E-05	2.30E-10	4.30E-07	3.85E-07	4.77E-05	5.96E-05	2.13E-04	3.23E-05	1.41E-05	3.19E-04
4002	474863.09	3854377.25	0.01275	0.00681	0.0049	0.00459	5.15E-05	2.03E-04	3.14E-05	1.45E-05	3.01E-04	4.69E-05	2.19E-10	4.18E-07	3.95E-07	4.77E-05	5.96E-05	2.03E-04	3.14E-05	1.45E-05	3.09E-04
4003	475363.09	3854377.25	0.0115	0.00612	0.0048	0.00472	4.65E-05	1.83E-04	3.07E-05	1.49E-05	2.75E-04	4.23E-05	1.97E-10	4.10E-07	4.06E-07	4.31E-05	5.38E-05	1.83E-04	3.07E-05	1.49E-05	2.82E-04
4004	475863.09	3854377.25	0.00814	0.00499	0.0044	0.00466	3.29E-05	1.49E-04	2.79E-05	1.47E-05	2.24E-04	2.99E-05	1.61E-10	3.72E-07	4.01E-07	3.07E-05	3.81E-05	1.49E-04	2.79E-05	1.47E-05	2.30E-04
4005	476363.09	3854377.25	0.00739	0.00481	0.0044	0.00481	2.99E-05	1.43E-04	2.79E-05	1.52E-05	2.16E-04	2.72E-05	1.55E-10	3.73E-07	4.14E-07	2.80E-05	3.46E-05	1.43E-04	2.79E-05	1.52E-05	2.21E-04
4006	476863.09	3854377.25	0.00721	0.00482	0.0044	0.00498	2.91E-05	1.44E-04	2.79E-05	1.57E-05	2.17E-04	2.65E-05	1.55E-10	3.73E-07	4.29E-07	2.73E-05	3.37E-05	1.44E-04	2.79E-05	1.57E-05	2.21E-04
4007	477363.09	3854377.25	0.00723	0.00489	0.0044	0.00515	2.92E-05	1.46E-04	2.79E-05	1.63E-05	2.19E-04	2.66E-05	1.58E-10	3.73E-07	4.43E-07	2.74E-05	3.38E-05	1.46E-04	2.79E-05	1.63E-05	2.24E-04
4008	477863.09	3854377.25	0.00747	0.00501	0.0043	0.00535	3.02E-05	1.49E-04	2.76E-05	1.69E-05	2.24E-04	2.75E-05	1.61E-10	3.67E-07	4.61E-07	2.83E-05	3.49E-05	1.49E-04	2.76E-05	1.69E-05	2.29E-04
4009	478363.09	3854377.25	0.00887	0.00553	0.0043	0.0056	3.59E-05	1.65E-04	2.74E-05	1.77E-05	2.46E-04	3.26E-05	1.78E-10	3.65E-07	4.82E-07	3.35E-05	4.15E-05	1.65E-04	2.74E-05	1.77E-05	2.52E-04
4010	478863.09	3854377.25	0.00984	0.00594	0.0042	0.00586	3.98E-05	1.77E-04	2.70E-05	1.85E-05	2.63E-04	3.62E-05	1.91E-10	3.61E-07	5.05E-07	3.70E-05	4.60E-05	1.77E-04	2.70E-05	1.85E-05	2.69E-04
4011	479363.09	3854377.25	0.01541	0.00785	0.0046	0.00627	6.23E-05	2.34E-04	2.91E-05	1.98E-05	3.45E-04	5.67E-05	2.53E-10	3.88E-07	5.40E-07	5.76E-05	7.21E-05	2.34E-04	2.91E-05	1.98E-05	3.55E-04
4012	479863.09	3854377.25	0.02051	0.00944	0.0045	0.00669	8.29E-05	2.82E-04	2.88E-05	2.11E-05	4.14E-04	7.54E-05	3.04E-10	3.84E-07	5.76E-07	7.64E-05	9.59E-05	2.82E-04	2.88E-05	2.11E-05	4.27E-04
4013	480363.09	3854377.25	0.0287	0.01198	0.0043	0.00725	1.16E-04	3.57E-04	2.74E-05	2.29E-05	5.24E-04	1.06E-04	3.86E-10	3.65E-07	6.24E-07	1.07E-04	1.34E-04	3.57E-04	2.74E-05	2.29E-05	5.42E-04
4014	480863.09	3854377.25	0.04255	0.01649	0.0039	0.00797	1.72E-04	4.92E-04	2.47E-05	2.52E-05	7.14E-04	1.56E-04	5.31E-10	3.29E-07	6.86E-07	1.57E-04	1.99E-04	4.92E-04	2.47E-05	2.52E-05	7.41E-04
4015	481363.09	3854377.25	0.05423	0.02271	0.0036	0.00896	2.19E-04	6.78E-04	2.28E-05	2.83E-05	9.48E-04	1.99E-04	7.32E-10	3.04E-07	7.72E-07	2.00E-04	2.54E-04	6.78E-04	2.28E-05	2.83E-05	9.82E-04
4016	481863.09	3854377.25	0.06172	0.04823	0.0038	0.01069	2.49E-04	1.44E-03	2.41E-05	3.38E-05	1.75E-03	2.27E-04	1.55E-09	3.21E-07	9.21E-07	2.28E-04	2.89E-04	1.44E-03	2.41E-05	3.38E-05	1.79E-03
4017	482363.09	3854377.25	0.07127	0.0554	0.0039	0.0135	2.88E-04	1.65E-03	2.48E-05	4.26E-05	2.01E-03	2.62E-04	1.79E-09	3.31E-07	1.16E-06	2.64E-04	3.33E-04	1.65E-03	2.48E-05	4.26E-05	2.05E-03
4018	482863.09	3854377.25	0.08893	0.04465	0.0039	0.0177	3.59E-04	1.33E-03	2.51E-05	5.59E-05	1.77E-03	3.27E-04	1.44E-09	3.34E-07	1.52E-06	3.29E-04	4.16E-04	1.33E-03	2.51E-05	5.59E-05	1.83E-03
4019	483363.09	3854377.25	0.10797	0.03413	0.0041	0.01823	4.36E-04	1.02E-03	2.58E-05	5.76E-05	1.54E-03	3.97E-04	1.10E-09	3.44E-07	1.57E-06	3.99E-04	5.05E-04	1.02E-03	2.58E-05	5.76E-05	1.61E-03
4020	483863.09	3854377.25	0.12982	0.02564	0.0041	0.02504	5.25E-04	7.65E-04	2.63E-05	7.91E-05	1.40E-03	4.77E-04	8.26E-10	3.51E-07	2.16E-06	4.80E-04	6.07E-04	7.65E-04	2.63E-05	7.91E-05	1.48E-03
4021	484363.09	3854377.25	0.09171	0.02199	0.0044	0.02641	3.71E-04	6.56E-04	2.78E-05	8.34E-05	1.14E-03	3.37E-04	7.09E-10	3.71E-07	2.27E-06	3.40E-04	4.29E-04	6.56E-04	2.78E-05	8.34E-05	1.20E-03
4022	484863.09	3854377.25	0.04834	0.01979	0.0064	0.02307	1.95E-04	5.90E-04	4.08E-05	7.28E-05	8.99E-04	1.78E-04	6.38E-10	5.44E-07	1.99E-06	1.80E-04	2.26E-04	5.90E-04	4.08E-05	7.28E-05	9.30E-04

4023	485363.09	3854377.25	0.05768	0.02435	0.0063	0.02171	2.33E-04	7.26E-04	4.02E-05	6.85E-05	1.07E-03	2.12E-04	7.85E-10	5.36E-07	1.87E-06	2.14E-04	2.70E-04	7.26E-04	4.02E-05	6.85E-05	1.10E-03
4024	485863.09	3854377.25	0.0505	0.0227	0.008	0.02154	2.04E-04	6.77E-04	5.12E-05	6.80E-05	1.00E-03	1.86E-04	7.32E-10	6.83E-07	1.85E-06	1.88E-04	2.36E-04	6.77E-04	5.12E-05	6.80E-05	1.03E-03
4025	486363.09	3854377.25	0.06972	0.02482	0.0075	0.02123	2.82E-04	7.40E-04	4.80E-05	6.70E-05	1.14E-03	2.56E-04	8.00E-10	6.40E-07	1.83E-06	2.59E-04	3.26E-04	7.40E-04	4.80E-05	6.70E-05	1.18E-03
4026	486863.09	3854377.25	0.08001	0.02489	0.0097	0.02197	3.23E-04	7.43E-04	6.17E-05	6.94E-05	1.20E-03	2.94E-04	8.02E-10	8.22E-07	1.89E-06	2.97E-04	3.74E-04	7.43E-04	6.17E-05	6.94E-05	1.25E-03
4027	487363.09	3854377.25	0.09765	0.02672	0.0119	0.02235	3.95E-04	7.97E-04	7.56E-05	7.06E-05	1.34E-03	3.59E-04	8.61E-10	1.01E-06	1.92E-06	3.62E-04	4.57E-04	7.97E-04	7.56E-05	7.06E-05	1.40E-03
4028	487863.09	3854377.25	0.1187	0.02925	0.0068	0.0224	4.80E-04	8.73E-04	4.33E-05	7.07E-05	1.47E-03	4.36E-04	9.43E-10	5.77E-07	1.93E-06	4.39E-04	5.55E-04	8.73E-04	4.33E-05	7.07E-05	1.54E-03
4029	488363.09	3854377.25	0.13214	0.03092	0.0067	0.02245	5.34E-04	9.22E-04	4.27E-05	7.09E-05	1.57E-03	4.86E-04	9.97E-10	5.70E-07	1.93E-06	4.88E-04	6.18E-04	9.22E-04	4.27E-05	7.09E-05	1.65E-03
4030	488863.09	3854377.25	0.1411	0.03218	0.0079	0.0221	5.70E-04	9.60E-04	5.01E-05	6.98E-05	1.65E-03	5.19E-04	1.04E-09	6.68E-07	1.90E-06	5.21E-04	6.60E-04	9.60E-04	5.01E-05	6.98E-05	1.74E-03
4031	489363.09	3854377.25	0.14415	0.033	0.0106	0.0215	5.83E-04	9.85E-04	6.77E-05	6.79E-05	1.70E-03	5.30E-04	1.06E-09	9.03E-07	1.85E-06	5.33E-04	6.74E-04	9.85E-04	6.77E-05	6.79E-05	1.79E-03
4032	489863.09	3854377.25	0.14294	0.03343	0.0132	0.021	5.78E-04	9.97E-04	8.42E-05	6.63E-05	1.73E-03	5.26E-04	1.08E-09	1.12E-06	1.81E-06	5.28E-04	6.68E-04	9.97E-04	8.42E-05	6.63E-05	1.82E-03
4033	490363.09	3854377.25	0.13879	0.03308	0.0102	0.02057	5.61E-04	9.87E-04	6.49E-05	6.49E-05	1.68E-03	5.10E-04	1.07E-09	8.65E-07	1.77E-06	5.13E-04	6.49E-04	9.87E-04	6.49E-05	6.49E-05	1.77E-03
4034	490863.09	3854377.25	0.1151	0.02864	0.0095	0.01967	4.65E-04	8.54E-04	6.04E-05	6.21E-05	1.44E-03	4.23E-04	9.23E-10	8.05E-07	1.69E-06	4.26E-04	5.38E-04	8.54E-04	6.04E-05	6.21E-05	1.52E-03
4035	491363.09	3854377.25	0.12474	0.03121	0.0155	0.01965	5.04E-04	9.31E-04	9.87E-05	6.20E-05	1.60E-03	4.59E-04	1.01E-09	1.32E-06	1.69E-06	4.62E-04	5.83E-04	9.31E-04	9.87E-05	6.20E-05	1.68E-03
4036	491863.09	3854377.25	0.12928	0.03342	0.0197	0.01949	5.23E-04	9.97E-04	1.26E-04	6.15E-05	1.71E-03	4.75E-04	1.08E-09	1.68E-06	1.68E-06	4.79E-04	6.05E-04	9.97E-04	1.26E-04	6.15E-05	1.79E-03
4037	492363.09	3854377.25	0.12757	0.0345	0.02	0.01928	5.16E-04	1.03E-03	1.27E-04	6.09E-05	1.73E-03	4.69E-04	1.11E-09	1.70E-06	1.66E-06	4.72E-04	5.97E-04	1.03E-03	1.27E-04	6.09E-05	1.81E-03
4038	492863.09	3854377.25	0.12135	0.03422	0.0181	0.01913	4.91E-04	1.02E-03	1.15E-04	6.04E-05	1.69E-03	4.46E-04	1.10E-09	1.54E-06	1.65E-06	4.49E-04	5.68E-04	1.02E-03	1.15E-04	6.04E-05	1.76E-03
4039	493363.09	3854377.25	0.11296	0.03312	0.0203	0.01891	4.57E-04	9.88E-04	1.30E-04	5.97E-05	1.63E-03	4.15E-04	1.07E-09	1.73E-06	1.63E-06	4.19E-04	5.28E-04	9.88E-04	1.30E-04	5.97E-05	1.71E-03
4040	493863.09	3854377.25	0.10448	0.03183	0.0247	0.01861	4.22E-04	9.50E-04	1.57E-04	5.88E-05	1.59E-03	3.84E-04	1.03E-09	2.10E-06	1.60E-06	3.88E-04	4.89E-04	9.50E-04	1.57E-04	5.88E-05	1.65E-03
4041	494363.09	3854377.25	0.09659	0.03063	0.0264	0.01821	3.90E-04	9.14E-04	1.69E-04	5.75E-05	1.53E-03	3.55E-04	9.87E-10	2.25E-06	1.57E-06	3.59E-04	4.52E-04	9.14E-04	1.69E-04	5.75E-05	1.59E-03
4042	494863.09	3854377.25	0.07817	0.02612	0.0245	0.01699	3.16E-04	7.79E-04	1.56E-04	5.36E-05	1.31E-03	2.87E-04	8.42E-10	2.08E-06	1.46E-06	2.91E-04	3.66E-04	7.79E-04	1.56E-04	5.36E-05	1.35E-03
4043	495363.09	3854377.25	0.06115	0.02218	0.0234	0.016	2.47E-04	6.62E-04	1.49E-04	5.05E-05	1.11E-03	2.25E-04	7.15E-10	1.99E-06	1.38E-06	2.28E-04	2.86E-04	6.62E-04	1.49E-04	5.05E-05	1.15E-03
4044	495863.09	3854377.25	0.05086	0.01989	0.0241	0.01539	2.06E-04	5.93E-04	1.54E-04	4.86E-05	1.00E-03	1.87E-04	6.41E-10	2.05E-06	1.33E-06	1.90E-04	2.38E-04	5.93E-04	1.54E-04	4.86E-05	1.03E-03
4045	496363.09	3854377.25	0.04569	0.01894	0.0251	0.01504	1.85E-04	5.65E-04	1.60E-04	4.75E-05	9.57E-04	1.68E-04	6.10E-10	2.13E-06	1.30E-06	1.71E-04	2.14E-04	5.65E-04	1.60E-04	4.75E-05	9.86E-04
4046	496863.09	3854377.25	0.03952	0.01752	0.0252	0.01465	1.60E-04	5.23E-04	1.61E-04	4.63E-05	8.89E-04	1.45E-04	5.65E-10	2.14E-06	1.26E-06	1.49E-04	1.85E-04	5.23E-04	1.61E-04	4.63E-05	9.14E-04
4047	497363.09	3854377.25	0.03102	0.01507	0.0251	0.01405	1.25E-04	4.50E-04	1.60E-04	4.44E-05	7.79E-04	1.14E-04	4.86E-10	2.13E-06	1.21E-06	1.17E-04	1.45E-04	4.50E-04	1.60E-04	4.44E-05	7.99E-04
4048	497863.09	3854377.25	0.03136	0.01557	0.0256	0.01405	1.27E-04	4.65E-04	1.63E-04	4.44E-05	7.99E-04	1.15E-04	5.02E-10	2.18E-06	1.21E-06	1.19E-04	1.47E-04	4.65E-04	1.63E-04	4.44E-05	8.19E-04
4049	498363.09	3854377.25	0.02685	0.01417	0.0252	0.01354	1.09E-04	4.23E-04	1.61E-04	4.28E-05	7.35E-04	9.87E-05	4.57E-10	2.14E-06	1.17E-06	1.02E-04	1.26E-04	4.23E-04	1.61E-04	4.28E-05	7.52E-04
4050	471363.09	3854877.25	0.00831	0.00544	0.0035	0.00351	3.36E-05	1.62E-04	2.25E-05	1.11E-05	2.29E-04	3.06E-05	1.75E-10	3.00E-07	3.02E-07	3.12E-05	3.89E-05	1.62E-04	2.25E-05	1.11E-05	2.35E-04
4051	471863.09	3854877.25	0.00893	0.00581	0.0037	0.00365	3.61E-05	1.73E-04	2.38E-05	1.15E-05	2.45E-04	3.28E-05	1.87E-10	3.17E-07	3.14E-07	3.35E-05	4.18E-05	1.73E-04	2.38E-05	1.15E-05	2.50E-04
4052	472363.09	3854877.25	0.00949	0.00613	0.0039	0.00379	3.84E-05	1.83E-04	2.51E-05	1.20E-05	2.58E-04	3.49E-05	1.98E-10	3.34E-07	3.26E-07	3.56E-05	4.44E-05	1.83E-04	2.51E-05	1.20E-05	2.64E-04
4053	472863.09	3854877.25	0.00982	0.00626	0.0041	0.00391	3.97E-05	1.87E-04	2.62E-05	1.23E-05	2.65E-04	3.61E-05	2.02E-10	3.49E-07	3.37E-07	3.68E-05	4.59E-05	1.87E-04	2.62E-05	1.23E-05	2.71E-04
4054	473363.09	3854877.25	0.01069	0.00678	0.0044	0.00409	4.32E-05	2.02E-04	2.81E-05	1.29E-05	2.87E-04	3.93E-05	2.19E-10	3.75E-07	3.52E-07	4.00E-05	5.00E-05	2.02E-04	2.81E-05	1.29E-05	2.93E-04
4055	473863.09	3854877.25	0.01156	0.00725	0.0047	0.00428	4.67E-05	2.16E-04	3.02E-05	1.35E-05	3.07E-04	4.25E-05	2.34E-10	4.02E-07	3.69E-07	4.33E-05	5.41E-05	2.16E-04	3.02E-05	1.35E-05	3.14E-04
4056	474363.09	3854877.25	0.01272	0.0079	0.0051	0.00451	5.14E-05	2.36E-04	3.26E-05	1.42E-05	3.34E-04	4.68E-05	2.55E-10	4.35E-07	3.88E-07	4.76E-05	5.95E-05	2.36E-04	3.26E-05	1.42E-05	3.42E-04
4057	474863.09	3854877.25	0.01146	0.00673	0.0053	0.0046	4.63E-05	2.01E-04	3.39E-05	1.45E-05	2.95E-04	4.21E-05	2.17E-10	4.52E-07	3.96E-07	4.30E-05	5.36E-05	2.01E-04	3.39E-05	1.45E-05	3.03E-04
4058	475363.09	3854877.25	0.00934	0.00573	0.0049	0.00457	3.78E-05	1.71E-04	3.12E-05	1.44E-05	2.54E-04	3.43E-05	1.85E-10	4.16E-07	3.94E-07	3.51E-05	4.37E-05	1.71E-04	3.12E-05	1.44E-05	2.60E-04
4059	475863.09	3854877.25	0.00719	0.00494	0.0046	0.00468	2.91E-05	1.47E-04	2.92E-05	1.48E-05	2.20E-04	2.64E-05	1.59E-10	3.90E-07	4.03E-07	2.72E-05	3.36E-05	1.47E-04	2.92E-05	1.48E-05	2.25E-04
4060	476363.09	3854877.25	0.00481	0.00396	0.0046	0.00481	1.94E-05	1.18E-04	2.90E-05	1.52E-05	1.82E-04	1.77E-05	1.28E-10	3.87E-07	4.14E-07	1.85E-05	2.25E-05	1.18E-04	2.90E-05	1.52E-05	1.85E-04
4061	476863.09	3854877.25	0.00485	0.00401	0.0047	0.00501	1.96E-05	1.20E-04	2.98E-05	1.58E-05	1.85E-04	1.78E-05	1.29E-10	3.97E-07	4.31E-07	1.87E-05	2.27E-05	1.20E-04	2.98E-05	1.58E-05	1.88E-04
4062	477363.09	3854877.25	0.00593	0.00459	0.0048	0.00533	2.40E-05	1.37E-04	3.06E-05	1.68E-05	2.08E-04	2.18E-05	1.48E-10	4.08E-07	4.59E-07	2.27E-05	2.77E-05	1.37E-04	3.06E-05	1.68E-05	2.12E-04
4063	477863.09	3854877.25	0.007	0.00515	0.0049	0.00564	2.83E-05	1.54E-04	3.13E-05	1.78E-05	2.31E-04	2.57E-05	1.66E-10	4.17E-07	4.86E-07	2.66E-05	3.27E-05	1.54E-04	3.13E-05	1.78E-05	2.35E-04
4064	478363.09	3854877.25	0.00947	0.00626	0.0051	0.00602	3.83E-05	1.87E-04	3.22E-05	1.90E-05	2.76E-04	3.48E-05	2.02E-10	4.29E-07	5.18E-07	3.58E-05	4.43E-05	1.87E-04	3.22E-05	1.90E-05	2.82E-04
4065	478863.09	3854877.25	0.0135	0.00782	0.0053	0.00647	5.46E-05	2.33E-04	3.40E-05	2.04E-05	3.42E-04	4.96E-05	2.52E-10	4.53E-07	5.57E-07	5.06E-05	6.31E-05	2.33E-04	3.40E-05	2.04E-05	3.51E-04
4066	479363.09	3854877.25	0.02	0.00988	0.0058	0.00703	8.08E-05	2.95E-04	3.71E-05	2.22E-05	4.35E-04	7.35E-05	3.18E-10	4.94E-07	6.05E-07	7.46E-05	9.35E-05	2.95E-04	3.71E-05	2.22E-05	4.48E-04
4067	479863.09	3854877.25	0.02916	0.01261	0.0064	0.00781	1.18E-04	3.76E-04	4.06E-05	2.47E-05	5.59E-04	1.07E-04	4.06E-10	5.41E-07	6.73E-07	1.08E-04	1.36E-04	3.76E-04	4.06E-05	2.47E-05	5.78E-04
4068	480363.09	3854877.25	0.03881	0.01583	0.0064	0.00868	1.57E-04	4.72E-04	4.10E-05	2.74E-05	6.97E-04	1.43E-04	5.10E-10	5.46E-07	7.47E-07	1.44E-04	1.81E-04	4.72E-04	4.10E-05	2.74E-05	7.22E-04
4069	480863.09	3854877.25	0.05376	0.02229	0.006	0.0095	2.17E-04	6.65E-04	3.81E-05	3.00E-05	9.50E-04	1.98E-04	7.18E-10	5.08E-07	8.18E-07	1.99E-04	2.51E-04	6.65E-04	3.81E-05	3.00E-05	9.84E-04
4070	481363.09	3854877.25	0.06539	0.02847	0.0052	0.01055	2.64E-04	8.49E-04	3.32E-05	3.33E-05	1.18E-03	2.40E-04	9.18E-10	4.43E-07	9.08E-07	2.42E-04	3.06E-04	8.49E-04	3.32E-05	3.33E-05	1.22E-03
4071	481863.09	3854877.25	0.07261	0.03023	0.0045	0.01314	2.94E-04	9.02E-04	2.86E-05	4.15E-05	1.27E-03	2.67E-04	9.74E-10	3.82E-07	1.13E-06	2.68E-04	3.40E-04	9.02E-04	2.86E-05	4.15E-05	1.31E-03
4072	482363.09	3854877.25	0.09174	0.09813	0.0044	0.02186	3.71E-04	2.93E-03	2.81E-05	6.90E-05	3.40E-03	3.37E-04	3.16E-09	3.75E-07	1.88E-06	3.40E-04	4.29E-04	2.93E-03	2.81E-05	6.90E-05	3.45E-03
4073	482863.09	3854877.25	0.1176	0.13328	0.0043	0.06212	4.75E-04	3.98E-03	2.74E-05	1.96E-04	4.68E-03	4.32E-04	4.30E-09	3.65E-07	5.35E-06	4.38E-04	5.50E-04	3.98E-03	2.74E-05	1.96E-04	4.75E-03
4074	483363.09	3854877.25	0.15767	0.11906	0.0044	0.18817	6.37E-04	3.55E-03	2.81E-05	5.94E-04	4.81E-03	5.80E-04	3.84E-09	3.74E-07	1.62E-05	5.96E-04	7.37E-04	3.55E-03	2.81E-05	5.94E-04	4.91E-03
4075	483863.09	3854877.25	0.23672	0.09569	0.0045	0.09086	9.57E-04	2.85E-03	2.89E-05	2.87E-04	4.13E-03	8.70E-04	3.08E-09	3.85E-07	7.82E-06	8.79E-04	1.11E-03	2.85E-03	2.89E-05	2.87E-04	4.28E-03
4076	484363.09	3854877.25	0.28804	0.0701	0.0047	0.0463	1.16E-03	2.09E-03	3.00E-05	1.46E-04	3.43E-03	1.06E-03	2.26E-09	4.00E-07	3.99E-06	1.06E-03	1.35E-03	2.09E-03	3.00E-05	1.46E-04	3.61E-03
4077	484863.09	3854877.25	0.24023	0.06079	0.005	0.03284	9.71E-04	1.81E-03	3.18E-05	1.04E-04	2.92E-03	8.83E-04	1.96E-09	4.24E-07	2.83E-06	8.86E-04	1.12E-03	1.81E-03	3.18E-05	1.04E-04	3.07E-03
4078	485363.09	3854877.25	0.28596	0.05502	0.0072	0.03122	1.16E-03	1.64E-03	4.57E-05	9.86E-05	2.94E-03	1.05E-03	1.77E-09	6.10E-07	2.69E-06	1.05E-03	1.34E-03	1.64E-03	4.57E-05	9.86E-05	3.12E-03
4079	485863.09	3854877.25	0.29164	0.05014	0.0071	0.03076	1.18E-03	1.50E-03	4.55E-05	9.71E-05	2.82E-03	1.07E-03	1.62E-09	6.07E-07	2.65E-06	1.08E-03	1.36E-03	1.50E-03	4.55E-05	9.71E-05	3.00E-03
4080	486363.09	3854877.25	0.27179	0.04662	0.0105	0.03173	1.10E-03	1.39E-03	6.70E-05	1.00E-04	2.66E-03	9.99E-04	1.50E-09	8.94E-07	2.73E-06	1.00E-03	1.27E-03	1.39E-03	6.70E-05	1.00E-04	2.83E-03
4081	486863.09	3854877.25	0.25482	0.04476	0.0095	0.0314	1.03E-03	1.34E-03	6.05E-05	9.91E-05	2.52E-03	9.37E-04	1.44E-09	8.06E-07	2.70E-06	9.40E-04	1.19E-03	1.34E-03	6.05E-05	9.91E-05	2.69E-03
4082	487363.09	3854877.25	0.26504	0.04647	0.0144	0.03045	1.07E-03	1.39E-03	9.21E-05	9.61E-05	2.65E-03	9.74E-04	1.50E-09	1.23E-06	2.62E-06	9.78E-04	1.24E-03	1.39E-03	9.21E-05	9.61E-05	2.81E-03
4083	487863.09	3854877.25	0.2695	0.04788	0.0084	0.02885	1.09E-03	1.43E-03	5.37E-05	9.11E-05	2.66E-03	9.91E-04	1.54E-09	7.16E-07	2.48E-06	9.94E-04	1.26E-03	1.43E-03	5.37E-05	9.11E-05	2.83E-03

4084	488363.09	3854877.25	0.27013	0.04924	0.0079	0.02761	1.09E-03	1.47E-03	5.02E-05	8.72E-05	2.70E-03	9.93E-04	1.59E-09	6.69E-07	2.38E-06	9.96E-04	1.26E-03	1.47E-03	5.02E-05	8.72E-05	2.87E-03
4085	488863.09	3854877.25	0.26816	0.05082	0.0095	0.02674	1.08E-03	1.52E-03	6.03E-05	8.44E-05	2.74E-03	9.86E-04	1.64E-09	8.05E-07	2.30E-06	9.89E-04	1.25E-03	1.52E-03	6.03E-05	8.44E-05	2.91E-03
4086	489363.09	3854877.25	0.25475	0.05101	0.0128	0.02581	1.03E-03	1.52E-03	8.13E-05	8.15E-05	2.71E-03	9.37E-04	1.64E-09	1.08E-06	2.22E-06	9.40E-04	1.19E-03	1.52E-03	8.13E-05	8.15E-05	2.88E-03
4087	489863.09	3854877.25	0.23114	0.04817	0.0149	0.02473	9.34E-04	1.44E-03	9.53E-05	7.81E-05	2.54E-03	8.50E-04	1.55E-09	1.27E-06	2.13E-06	8.53E-04	1.08E-03	1.44E-03	9.53E-05	7.81E-05	2.69E-03
4088	490363.09	3854877.25	0.17321	0.03827	0.0103	0.02304	7.00E-04	1.14E-03	6.54E-05	7.27E-05	1.98E-03	6.37E-04	1.23E-09	8.73E-07	1.98E-06	6.40E-04	8.10E-04	1.14E-03	6.54E-05	7.27E-05	2.09E-03
4089	490863.09	3854877.25	0.12143	0.03015	0.0137	0.02048	4.91E-04	8.99E-04	8.71E-05	6.47E-05	1.54E-03	4.46E-04	9.72E-10	1.16E-06	1.76E-06	4.49E-04	5.68E-04	8.99E-04	8.71E-05	6.47E-05	1.62E-03
4090	491363.09	3854877.25	0.12845	0.03208	0.0191	0.02046	5.19E-04	9.57E-04	1.22E-04	6.46E-05	1.66E-03	4.72E-04	1.03E-09	1.62E-06	1.76E-06	4.76E-04	6.01E-04	9.57E-04	1.22E-04	6.46E-05	1.74E-03
4091	491863.09	3854877.25	0.17682	0.04488	0.0232	0.0221	7.15E-04	1.34E-03	1.48E-04	6.98E-05	2.27E-03	6.50E-04	1.45E-09	1.97E-06	1.90E-06	6.54E-04	8.27E-04	1.34E-03	1.48E-04	6.98E-05	2.38E-03
4092	492363.09	3854877.25	0.16856	0.04582	0.0221	0.02184	6.81E-04	1.37E-03	1.41E-04	6.90E-05	2.26E-03	6.20E-04	1.48E-09	1.88E-06	1.88E-06	6.23E-04	7.88E-04	1.37E-03	1.41E-04	6.90E-05	2.37E-03
4093	492863.09	3854877.25	0.15461	0.04411	0.0282	0.02159	6.25E-04	1.32E-03	1.80E-04	6.82E-05	2.19E-03	5.68E-04	1.42E-09	2.40E-06	1.86E-06	5.73E-04	7.23E-04	1.32E-03	1.80E-04	6.82E-05	2.29E-03
4094	493363.09	3854877.25	0.13968	0.04145	0.0333	0.02115	5.65E-04	1.24E-03	2.12E-04	6.68E-05	2.08E-03	5.14E-04	1.34E-09	2.83E-06	1.82E-06	5.18E-04	6.53E-04	1.24E-03	2.12E-04	6.68E-05	2.17E-03
4095	493863.09	3854877.25	0.12725	0.03947	0.0344	0.02055	5.14E-04	1.18E-03	2.20E-04	6.49E-05	1.98E-03	4.68E-04	1.27E-09	2.93E-06	1.77E-06	4.73E-04	5.95E-04	1.18E-03	2.20E-04	6.49E-05	2.06E-03
4096	494363.09	3854877.25	0.09736	0.03166	0.033	0.01874	3.94E-04	9.45E-04	2.10E-04	5.92E-05	1.61E-03	3.58E-04	1.02E-09	2.80E-06	1.61E-06	3.62E-04	4.55E-04	9.45E-04	2.10E-04	5.92E-05	1.67E-03
4097	494863.09	3854877.25	0.06977	0.02526	0.0292	0.01701	2.82E-04	7.54E-04	1.87E-04	5.37E-05	1.28E-03	2.57E-04	8.14E-10	2.49E-06	1.46E-06	2.60E-04	3.26E-04	7.54E-04	1.87E-04	5.37E-05	1.32E-03
4098	495363.09	3854877.25	0.05451	0.02179	0.0292	0.01616	2.20E-04	6.50E-04	1.86E-04	5.10E-05	1.11E-03	2.00E-04	7.02E-10	2.49E-06	1.39E-06	2.04E-04	2.55E-04	6.50E-04	1.86E-04	5.10E-05	1.14E-03
4099	495863.09	3854877.25	0.04621	0.01994	0.0293	0.01567	1.87E-04	5.95E-04	1.87E-04	4.95E-05	1.02E-03	1.70E-04	6.43E-10	2.49E-06	1.35E-06	1.74E-04	2.16E-04	5.95E-04	1.87E-04	4.95E-05	1.05E-03
4100	496363.09	3854877.25	0.03665	0.01734	0.0292	0.01503	1.48E-04	5.17E-04	1.86E-04	4.75E-05	8.99E-04	1.35E-04	5.59E-10	2.48E-06	1.29E-06	1.39E-04	1.71E-04	5.17E-04	1.86E-04	4.75E-05	9.22E-04
4101	496863.09	3854877.25	0.03111	0.01573	0.0285	0.01449	1.26E-04	4.69E-04	1.82E-04	4.58E-05	8.22E-04	1.14E-04	5.07E-10	2.42E-06	1.25E-06	1.18E-04	1.45E-04	4.69E-04	1.82E-04	4.58E-05	8.42E-04
4102	497363.09	3854877.25	0.02898	0.01531	0.0282	0.01423	1.17E-04	4.57E-04	1.80E-04	4.49E-05	7.98E-04	1.07E-04	4.93E-10	2.39E-06	1.23E-06	1.10E-04	1.36E-04	4.57E-04	1.80E-04	4.49E-05	8.17E-04
4103	497863.09	3854877.25	0.03087	0.01646	0.0293	0.01439	1.25E-04	4.91E-04	1.87E-04	4.54E-05	8.48E-04	1.13E-04	5.31E-10	2.49E-06	1.24E-06	1.17E-04	1.44E-04	4.91E-04	1.87E-04	4.54E-05	8.68E-04
4104	498363.09	3854877.25	0.0295	0.01624	0.0293	0.01419	1.19E-04	4.84E-04	1.87E-04	4.48E-05	8.35E-04	1.08E-04	5.23E-10	2.49E-06	1.22E-06	1.12E-04	1.38E-04	4.84E-04	1.87E-04	4.48E-05	8.54E-04
4105	471363.09	3855377.25	0.00855	0.00571	0.0036	0.00351	3.46E-05	1.70E-04	2.26E-05	1.11E-05	2.39E-04	3.14E-05	1.84E-10	3.02E-07	3.02E-07	3.20E-05	4.00E-05	1.70E-04	2.26E-05	1.11E-05	2.44E-04
4106	471863.09	3855377.25	0.00898	0.00592	0.0037	0.00363	3.63E-05	1.77E-04	2.34E-05	1.15E-05	2.48E-04	3.30E-05	1.91E-10	3.12E-07	3.13E-07	3.36E-05	4.20E-05	1.77E-04	2.34E-05	1.15E-05	2.53E-04
4107	472363.09	3855377.25	0.00969	0.00635	0.0039	0.00378	3.92E-05	1.89E-04	2.47E-05	1.19E-05	2.65E-04	3.56E-05	2.05E-10	3.30E-07	3.25E-07	3.63E-05	4.53E-05	1.89E-04	2.47E-05	1.19E-05	2.71E-04
4108	472863.09	3855377.25	0.01017	0.00655	0.004	0.00392	4.11E-05	1.95E-04	2.55E-05	1.24E-05	2.74E-04	3.74E-05	2.11E-10	3.40E-07	3.38E-07	3.81E-05	4.76E-05	1.95E-04	2.55E-05	1.24E-05	2.81E-04
4109	473363.09	3855377.25	0.01116	0.00718	0.0042	0.00411	4.51E-05	2.14E-04	2.70E-05	1.30E-05	2.99E-04	4.10E-05	2.31E-10	3.61E-07	3.54E-07	4.17E-05	5.22E-05	2.14E-04	2.70E-05	1.30E-05	3.06E-04
4110	473863.09	3855377.25	0.01207	0.0077	0.0045	0.0043	4.88E-05	2.30E-04	2.84E-05	1.36E-05	3.20E-04	4.44E-05	2.48E-10	3.78E-07	3.70E-07	4.51E-05	5.64E-05	2.30E-04	2.84E-05	1.36E-05	3.28E-04
4111	474363.09	3855377.25	0.01299	0.00815	0.0052	0.00468	5.25E-05	2.43E-04	3.32E-05	1.48E-05	3.44E-04	4.78E-05	2.63E-10	4.43E-07	4.03E-07	4.86E-05	6.07E-05	2.43E-04	3.32E-05	1.48E-05	3.52E-04
4112	474863.09	3855377.25	0.01179	0.00707	0.0049	0.00461	4.77E-05	2.11E-04	3.14E-05	1.46E-05	3.05E-04	4.33E-05	2.28E-10	4.18E-07	3.97E-07	4.42E-05	5.51E-05	2.11E-04	3.14E-05	1.46E-05	3.12E-04
4113	475363.09	3855377.25	0.00607	0.00461	0.0042	0.00441	2.45E-05	1.38E-04	2.67E-05	1.39E-05	2.03E-04	2.23E-05	1.49E-10	3.55E-07	3.80E-07	2.31E-05	2.84E-05	1.38E-04	2.67E-05	1.39E-05	2.07E-04
4114	475863.09	3855377.25	0.00464	0.00403	0.0042	0.00454	1.88E-05	1.20E-04	2.70E-05	1.43E-05	1.80E-04	1.71E-05	1.30E-10	3.60E-07	3.91E-07	1.78E-05	2.17E-05	1.20E-04	2.70E-05	1.43E-05	1.83E-04
4115	476363.09	3855377.25	0.00552	0.00453	0.0045	0.00478	2.23E-05	1.35E-04	2.86E-05	1.51E-05	2.01E-04	2.03E-05	1.46E-10	3.81E-07	4.12E-07	2.11E-05	2.58E-05	1.35E-04	2.86E-05	1.51E-05	2.05E-04
4116	476863.09	3855377.25	0.00551	0.00458	0.0047	0.00501	2.23E-05	1.37E-04	3.01E-05	1.58E-05	2.05E-04	2.03E-05	1.48E-10	4.01E-07	4.31E-07	2.11E-05	2.58E-05	1.37E-04	3.01E-05	1.58E-05	2.08E-04
4117	477363.09	3855377.25	0.00621	0.00498	0.005	0.0053	2.51E-05	1.49E-04	3.16E-05	1.67E-05	2.22E-04	2.28E-05	1.61E-10	4.22E-07	4.56E-07	2.37E-05	2.90E-05	1.49E-04	3.16E-05	1.67E-05	2.26E-04
4118	477863.09	3855377.25	0.00816	0.00589	0.0053	0.00568	3.30E-05	1.76E-04	3.40E-05	1.79E-05	2.61E-04	3.00E-05	1.90E-10	4.53E-07	4.89E-07	3.09E-05	3.82E-05	1.76E-04	3.40E-05	1.79E-05	2.66E-04
4119	478363.09	3855377.25	0.01073	0.00703	0.0056	0.0061	4.34E-05	2.10E-04	3.57E-05	1.93E-05	3.08E-04	3.94E-05	2.27E-10	4.76E-07	5.25E-07	4.05E-05	5.02E-05	2.10E-04	3.57E-05	1.93E-05	3.15E-04
4120	478863.09	3855377.25	0.01387	0.00837	0.0059	0.00664	5.61E-05	2.50E-04	3.76E-05	2.10E-05	3.64E-04	5.10E-05	2.70E-10	5.02E-07	5.72E-07	5.21E-05	6.49E-05	2.50E-04	3.76E-05	2.10E-05	3.73E-04
4121	479363.09	3855377.25	0.01939	0.01046	0.0063	0.00742	7.84E-05	3.12E-04	4.00E-05	2.34E-05	4.54E-04	7.13E-05	3.37E-10	5.33E-07	6.39E-07	7.25E-05	9.07E-05	3.12E-04	4.00E-05	2.34E-05	4.66E-04
4122	479863.09	3855377.25	0.02586	0.01284	0.0066	0.00831	1.05E-04	3.83E-04	4.20E-05	2.62E-05	5.56E-04	9.51E-05	4.14E-10	5.60E-07	7.16E-07	9.64E-05	1.21E-04	3.83E-04	4.20E-05	2.62E-05	5.72E-04
4123	480363.09	3855377.25	0.03946	0.01737	0.0071	0.00965	1.60E-04	5.18E-04	4.52E-05	3.05E-05	7.53E-04	1.45E-04	5.60E-10	6.03E-07	8.31E-07	1.47E-04	1.85E-04	5.18E-04	4.52E-05	3.05E-05	7.78E-04
4124	480863.09	3855377.25	0.05679	0.02626	0.0074	0.01089	2.30E-04	7.83E-04	4.73E-05	3.44E-05	1.09E-03	2.09E-04	8.46E-10	6.30E-07	9.38E-07	2.10E-04	2.66E-04	7.83E-04	4.73E-05	3.44E-05	1.13E-03
4125	481363.09	3855377.25	0.07312	0.04358	0.0073	0.01272	2.96E-04	1.30E-03	4.66E-05	4.02E-05	1.68E-03	2.69E-04	1.40E-09	6.21E-07	1.10E-06	2.71E-04	3.42E-04	1.30E-03	4.66E-05	4.02E-05	1.73E-03
4126	481863.09	3855377.25	0.08829	0.07467	0.0069	0.01551	3.57E-04	2.23E-03	4.43E-05	4.90E-05	2.68E-03	3.25E-04	2.41E-09	5.90E-07	1.34E-06	3.27E-04	4.13E-04	2.23E-03	4.43E-05	4.90E-05	2.73E-03
4127	482363.09	3855377.25	0.10397	0.15929	0.0064	0.01886	4.20E-04	4.75E-03	4.11E-05	5.95E-05	5.27E-03	3.82E-04	5.13E-09	5.48E-07	1.62E-06	3.84E-04	4.86E-04	4.75E-03	4.11E-05	5.95E-05	5.34E-03
4128	482863.09	3855377.25	0.13406	0.69146	0.0056	0.02883	5.42E-04	2.06E-02	3.58E-05	9.10E-05	2.13E-02	4.93E-04	2.23E-08	4.77E-07	2.48E-06	4.96E-04	6.27E-04	2.06E-02	3.58E-05	9.10E-05	2.14E-02
4129	483363.09	3855377.25	0.18269	0.93133	0.0051	0.03418	7.38E-04	2.78E-02	3.26E-05	1.08E-04	2.87E-02	6.72E-04	3.00E-08	4.35E-07	2.94E-06	6.75E-04	8.54E-04	2.78E-02	3.26E-05	1.08E-04	2.88E-02
4130	483863.09	3855377.25	0.30469	0.40499	0.0051	0.03901	1.23E-03	1.21E-02	3.23E-05	1.23E-04	1.35E-02	1.12E-03	1.31E-08	4.31E-07	3.36E-06	1.12E-03	1.42E-03	1.21E-02	3.23E-05	1.23E-04	1.37E-02
4131	484363.09	3855377.25	0.88429	0.19634	0.0052	0.03791	3.57E-03	5.86E-03	3.31E-05	1.20E-04	9.58E-03	3.25E-03	6.33E-09	4.41E-07	3.26E-06	3.25E-03	4.14E-03	5.86E-03	3.31E-05	1.20E-04	1.01E-02
4132	484863.09	3855377.25	8.73912	0.1517	0.0055	0.04431	3.53E-02	4.53E-03	3.49E-05	1.40E-04	4.00E-02	3.21E-02	4.89E-09	4.65E-07	3.82E-06	3.21E-02	4.09E-02	4.53E-03	3.49E-05	1.40E-04	4.56E-02
4133	485363.09	3855377.25	3.19507	0.11857	0.0058	0.05013	1.29E-02	3.54E-03	3.69E-05	1.58E-04	1.66E-02	1.17E-02	3.82E-09	4.92E-07	4.32E-06	1.18E-02	1.49E-02	3.54E-03	3.69E-05	1.58E-04	1.87E-02
4134	485863.09	3855377.25	1.52323	0.10215	0.0076	0.05054	6.16E-03	3.05E-03	4.84E-05	1.60E-04	9.41E-03	5.60E-03	3.29E-09	6.46E-07	4.35E-06	5.61E-03	7.12E-03	3.05E-03	4.84E-05	1.60E-04	1.04E-02
4135	486363.09	3855377.25	0.9223	0.08674	0.0091	0.04747	3.73E-03	2.59E-03	5.79E-05	1.50E-04	6.52E-03	3.39E-03	2.80E-09	7.72E-07	4.09E-06	3.40E-03	4.31E-03	2.59E-03	5.79E-05	1.50E-04	7.11E-03
4136	486863.09	3855377.25	0.65542	0.07686	0.0104	0.04421	2.65E-03	2.29E-03	6.66E-05	1.40E-04	5.15E-03	2.41E-03	2.48E-09	8.88E-07	3.81E-06	2.41E-03	3.07E-03	2.29E-03	6.66E-05	1.40E-04	5.56E-03
4137	487363.09	3855377.25	0.58906	0.07743	0.016	0.04092	2.38E-03	2.31E-03	1.02E-04	1.29E-04	4.92E-03	2.17E-03	2.50E-09	1.36E-06	3.52E-06	2.17E-03	2.75E-03	2.31E-03	1.02E-04	1.29E-04	5.30E-03
4138	487863.09	3855377.25	0.53118	0.07733	0.0106	0.03717	2.15E-03	2.31E-03	6.74E-05	1.17E-04	4.64E-03	1.95E-03	2.49E-09	8.99E-07	3.20E-06	1.96E-03	2.48E-03	2.31E-03	6.74E-05	1.17E-04	4.98E-03
4139	488363.09	3855377.25	0.48108	0.07729	0.0095	0.034	1.94E-03	2.31E-03	6.03E-05	1.07E-04	4.42E-03	1.77E-03	2.49E-09	8.04E-07	2.93E-06	1.77E-03	2.25E-03	2.31E-03	6.03E-05	1.07E-04	4.72E-03
4140	488863.09	3855377.25	0.43402	0.07656	0.0122	0.03163	1.75E-03	2.28E-03	7.78E-05	9.99E-05	4.22E-03	1.60E-03	2.47E-09	1.04E-06	2.72E-06	1.60E-03	2.03E-03	2.28E-03	7.78E-05	9.99E-05	4.49E-03
4141	489363.09	3855377.25	0.38939	0.07451	0.0149	0.02976	1.57E-03	2.22E-03	9.49E-05	9.40E-05	3.99E-03	1.43E-03	2.40E-09	1.27E-06	2.56E-06	1.44E-03	1.82E-03	2.22E-03	9.49E-05	9.40E-05	4.23E-03
4142	489863.09	3855377.25	0.34301	0.0696	0.0126	0.02844	1.39E-03	2.08E-03	8.06E-05	8.98E-05	3.63E-03	1.26E-03	2.24E-09	1.07E-06	2.45E-06	1.26E-03	1.60E-03	2.08E-03	8.06E-05	8.98E-05	3.85E-03
4143	490363.09	3855377.25	0.31267	0.06888	0.0198	0.02827	1.26E-03	2.05E-03	1.26E-04	8.93E-05	3.53E-03	1.15E-03	2.22E-09	1.69E-06	2.43E-06	1.15E-03	1.46E-03	2.05E-03	1.26E-04	8.93E-05	3.73E-03
4144	490863.09	3855377.25	0.2031	0.04567	0.0266	0.02439	8.21E-04	1.36E-03	1.70E-04	7.70E-05	2.43E-03	7.47E-04	1.47E-09	2.26E-06	2.10E-06	7.51E-04	9.50E-04	1.36E-03	1.70E-04	7.70E-05	2.56E-03

4145	491363.09	3855377.25	0.16496	0.04071	0.023	0.0221	6.67E-04	1.21E-03	1.47E-04	6.98E-05	2.10E-03	6.06E-04	1.31E-09	1.96E-06	1.90E-06	6.10E-04	7.71E-04	1.21E-03	1.47E-04	6.98E-05	2.20E-03
4146	491863.09	3855377.25	0.22082	0.05818	0.0295	0.024	8.93E-04	1.74E-03	1.88E-04	7.58E-05	2.89E-03	8.12E-04	1.88E-09	2.51E-06	2.07E-06	8.16E-04	1.03E-03	1.74E-03	1.88E-04	7.58E-05	3.03E-03
4147	492363.09	3855377.25	0.20322	0.05804	0.0378	0.02382	8.21E-04	1.73E-03	2.41E-04	7.52E-05	2.87E-03	7.47E-04	1.87E-09	3.21E-06	2.05E-06	7.52E-04	9.50E-04	1.73E-03	2.41E-04	7.52E-05	3.00E-03
4148	492863.09	3855377.25	0.18208	0.05465	0.0421	0.02345	7.36E-04	1.63E-03	2.69E-04	7.40E-05	2.71E-03	6.69E-04	1.76E-09	3.58E-06	2.02E-06	6.75E-04	8.52E-04	1.63E-03	2.69E-04	7.40E-05	2.82E-03
4149	493363.09	3855377.25	0.1562	0.04824	0.0452	0.02226	6.31E-04	1.44E-03	2.88E-04	7.03E-05	2.43E-03	5.74E-04	1.55E-09	3.84E-06	1.92E-06	5.80E-04	7.30E-04	1.44E-03	2.88E-04	7.03E-05	2.53E-03
4150	493863.09	3855377.25	0.11936	0.03878	0.0449	0.0203	4.82E-04	1.16E-03	2.86E-04	6.41E-05	1.99E-03	4.39E-04	1.25E-09	3.82E-06	1.75E-06	4.44E-04	5.58E-04	1.16E-03	2.86E-04	6.41E-05	2.07E-03
4151	494363.09	3855377.25	0.08568	0.03099	0.038	0.01826	3.46E-04	9.25E-04	2.42E-04	5.77E-05	1.57E-03	3.15E-04	9.99E-10	3.23E-06	1.57E-06	3.20E-04	4.01E-04	9.25E-04	2.42E-04	5.77E-05	1.63E-03
4152	494863.09	3855377.25	0.06098	0.02498	0.0359	0.01702	2.46E-04	7.45E-04	2.29E-04	5.37E-05	1.27E-03	2.24E-04	8.05E-10	3.05E-06	1.47E-06	2.29E-04	2.85E-04	7.45E-04	2.29E-04	5.37E-05	1.31E-03
4153	495363.09	3855377.25	0.04617	0.02112	0.0349	0.0162	1.87E-04	6.30E-04	2.23E-04	5.11E-05	1.09E-03	1.70E-04	6.81E-10	2.97E-06	1.39E-06	1.74E-04	2.16E-04	6.30E-04	2.23E-04	5.11E-05	1.12E-03
4154	495863.09	3855377.25	0.03698	0.01843	0.0338	0.01551	1.49E-04	5.50E-04	2.16E-04	4.90E-05	9.64E-04	1.36E-04	5.94E-10	2.88E-06	1.34E-06	1.40E-04	1.73E-04	5.50E-04	2.16E-04	4.90E-05	9.87E-04
4155	496363.09	3855377.25	0.0343	0.01793	0.0335	0.01518	1.39E-04	5.35E-04	2.14E-04	4.79E-05	9.35E-04	1.26E-04	5.78E-10	2.85E-06	1.31E-06	1.30E-04	1.60E-04	5.35E-04	2.14E-04	4.79E-05	9.57E-04
4156	496863.09	3855377.25	0.03206	0.01752	0.0331	0.01497	1.30E-04	5.23E-04	2.11E-04	4.73E-05	9.10E-04	1.18E-04	5.65E-10	2.81E-06	1.29E-06	1.22E-04	1.50E-04	5.23E-04	2.11E-04	4.73E-05	9.31E-04
4157	497363.09	3855377.25	0.03145	0.01769	0.0335	0.01489	1.27E-04	5.28E-04	2.13E-04	4.70E-05	9.15E-04	1.16E-04	5.70E-10	2.85E-06	1.28E-06	1.20E-04	1.47E-04	5.28E-04	2.13E-04	4.70E-05	9.35E-04
4158	497863.09	3855377.25	0.03192	0.01831	0.0339	0.01491	1.29E-04	5.46E-04	2.16E-04	4.71E-05	9.39E-04	1.17E-04	5.90E-10	2.88E-06	1.28E-06	1.22E-04	1.49E-04	5.46E-04	2.16E-04	4.71E-05	9.59E-04
4159	498363.09	3855377.25	0.0331	0.01919	0.0343	0.01498	1.34E-04	5.73E-04	2.19E-04	4.73E-05	9.73E-04	1.22E-04	6.19E-10	2.92E-06	1.29E-06	1.26E-04	1.55E-04	5.73E-04	2.19E-04	4.73E-05	9.94E-04
4160	471363.09	3855877.25	0.00846	0.00596	0.0034	0.00354	3.42E-05	1.78E-04	2.18E-05	1.12E-05	2.45E-04	3.11E-05	1.92E-10	2.90E-07	3.05E-07	3.17E-05	3.96E-05	1.78E-04	2.18E-05	1.12E-05	2.50E-04
4161	471863.09	3855877.25	0.00888	0.00618	0.0036	0.00368	3.59E-05	1.84E-04	2.28E-05	1.16E-05	2.55E-04	3.26E-05	1.99E-10	3.04E-07	3.17E-07	3.33E-05	4.15E-05	1.84E-04	2.28E-05	1.16E-05	2.60E-04
4162	472363.09	3855877.25	0.00968	0.00677	0.0039	0.00387	3.91E-05	2.02E-04	2.47E-05	1.22E-05	2.78E-04	3.56E-05	2.18E-10	3.30E-07	3.33E-07	3.63E-05	4.53E-05	2.02E-04	2.47E-05	1.22E-05	2.84E-04
4163	472863.09	3855877.25	0.01003	0.00683	0.004	0.00399	4.05E-05	2.04E-04	2.55E-05	1.26E-05	2.82E-04	3.69E-05	2.20E-10	3.40E-07	3.44E-07	3.76E-05	4.69E-05	2.04E-04	2.55E-05	1.26E-05	2.89E-04
4164	473363.09	3855877.25	0.0111	0.00766	0.0043	0.00421	4.49E-05	2.29E-04	2.76E-05	1.33E-05	3.14E-04	4.08E-05	2.47E-10	3.68E-07	3.63E-07	4.15E-05	5.19E-05	2.29E-04	2.76E-05	1.33E-05	3.21E-04
4165	473863.09	3855877.25	0.01201	0.00827	0.0046	0.00441	4.85E-05	2.47E-04	2.91E-05	1.39E-05	3.38E-04	4.42E-05	2.67E-10	3.88E-07	3.80E-07	4.49E-05	5.62E-05	2.47E-04	2.91E-05	1.39E-05	3.46E-04
4166	474363.09	3855877.25	0.01281	0.00859	0.0057	0.0048	5.18E-05	2.56E-04	3.64E-05	1.52E-05	3.60E-04	4.71E-05	2.77E-10	4.86E-07	4.13E-07	4.80E-05	5.99E-05	2.56E-04	3.64E-05	1.52E-05	3.68E-04
4167	474863.09	3855877.25	0.01111	0.0069	0.0048	0.00462	4.49E-05	2.06E-04	3.04E-05	1.46E-05	2.96E-04	4.08E-05	2.22E-10	4.06E-07	3.98E-07	4.16E-05	5.20E-05	2.06E-04	3.04E-05	1.46E-05	3.03E-04
4168	475363.09	3855877.25	0.00751	0.00521	0.0038	0.00445	3.04E-05	1.55E-04	2.44E-05	1.41E-05	2.24E-04	2.76E-05	1.68E-10	3.25E-07	3.83E-07	2.83E-05	3.51E-05	1.55E-04	2.44E-05	1.41E-05	2.29E-04
4169	475863.09	3855877.25	0.00349	0.00341	0.0035	0.00434	1.41E-05	1.02E-04	2.25E-05	1.37E-05	1.52E-04	1.28E-05	1.10E-10	3.00E-07	3.74E-07	1.35E-05	1.63E-05	1.02E-04	2.25E-05	1.37E-05	1.54E-04
4170	476363.09	3855877.25	0.00376	0.00365	0.0038	0.00457	1.52E-05	1.09E-04	2.44E-05	1.44E-05	1.63E-04	1.38E-05	1.18E-10	3.26E-07	3.94E-07	1.45E-05	1.76E-05	1.09E-04	2.44E-05	1.44E-05	1.65E-04
4171	476863.09	3855877.25	0.00562	0.00477	0.0043	0.005	2.27E-05	1.42E-04	2.75E-05	1.58E-05	2.08E-04	2.07E-05	1.54E-10	3.67E-07	4.31E-07	2.15E-05	2.63E-05	1.42E-04	2.75E-05	1.58E-05	2.12E-04
4172	477363.09	3855877.25	0.00695	0.00546	0.0048	0.0053	2.81E-05	1.63E-04	3.05E-05	1.67E-05	2.38E-04	2.56E-05	1.76E-10	4.07E-07	4.56E-07	2.64E-05	3.25E-05	1.63E-04	3.05E-05	1.67E-05	2.43E-04
4173	477863.09	3855877.25	0.00854	0.00631	0.0051	0.00566	3.45E-05	1.88E-04	3.27E-05	1.79E-05	2.73E-04	3.14E-05	2.03E-10	4.36E-07	4.87E-07	3.23E-05	3.99E-05	1.88E-04	3.27E-05	1.79E-05	2.79E-04
4174	478363.09	3855877.25	0.01122	0.00751	0.0056	0.00613	4.54E-05	2.24E-04	3.58E-05	1.94E-05	3.25E-04	4.13E-05	2.42E-10	4.77E-07	5.28E-07	4.23E-05	5.25E-05	2.24E-04	3.58E-05	1.94E-05	3.32E-04
4175	478863.09	3855877.25	0.01494	0.00916	0.0063	0.00672	6.04E-05	2.73E-04	4.01E-05	2.12E-05	3.95E-04	5.49E-05	2.95E-10	5.35E-07	5.79E-07	5.60E-05	6.99E-05	2.73E-04	4.01E-05	2.12E-05	4.04E-04
4176	479363.09	3855877.25	0.02102	0.01148	0.0072	0.00755	8.50E-05	3.42E-04	4.61E-05	2.38E-05	4.97E-04	7.73E-05	3.70E-10	6.14E-07	6.50E-07	7.85E-05	9.83E-05	3.42E-04	4.61E-05	2.38E-05	5.11E-04
4177	479863.09	3855877.25	0.0285	0.01438	0.0081	0.00853	1.15E-04	4.29E-04	5.19E-05	2.69E-05	6.23E-04	1.05E-04	4.63E-10	6.91E-07	7.35E-07	1.06E-04	1.33E-04	4.29E-04	5.19E-05	2.69E-05	6.41E-04
4178	480363.09	3855877.25	0.04022	0.01931	0.0086	0.00982	1.63E-04	5.76E-04	5.47E-05	3.10E-05	8.24E-04	1.48E-04	6.22E-10	7.29E-07	8.46E-07	1.49E-04	1.88E-04	5.76E-04	5.47E-05	3.10E-05	8.50E-04
4179	480863.09	3855877.25	0.05587	0.02796	0.0083	0.01118	2.26E-04	8.34E-04	5.29E-05	3.53E-05	1.15E-03	2.05E-04	9.01E-10	7.05E-07	9.63E-07	2.07E-04	2.61E-04	8.34E-04	5.29E-05	3.53E-05	1.18E-03
4180	481363.09	3855877.25	0.06567	0.03184	0.0084	0.01274	2.65E-04	9.50E-04	5.33E-05	4.02E-05	1.31E-03	2.41E-04	1.03E-09	7.10E-07	1.10E-06	2.43E-04	3.07E-04	9.50E-04	5.33E-05	4.02E-05	1.35E-03
4181	481863.09	3855877.25	0.09006	0.07571	0.0084	0.0148	3.64E-04	2.26E-03	5.36E-05	4.67E-05	2.72E-03	3.31E-04	2.44E-09	7.14E-07	1.27E-06	3.33E-04	4.21E-04	2.26E-03	5.36E-05	4.67E-05	2.78E-03
4182	482363.09	3855877.25	0.10574	0.17068	0.0088	0.02082	4.27E-04	5.09E-03	5.59E-05	6.57E-05	5.64E-03	3.89E-04	5.50E-09	7.46E-07	1.79E-06	3.91E-04	4.95E-04	5.09E-03	5.59E-05	6.57E-05	5.71E-03
4183	482863.09	3855877.25	0.13906	0.31901	0.0085	0.03308	5.62E-04	9.52E-03	5.44E-05	1.04E-04	1.02E-02	5.11E-04	1.03E-08	7.25E-07	2.85E-06	5.15E-04	6.50E-04	9.52E-03	5.44E-05	1.04E-04	1.03E-02
4184	483363.09	3855877.25	0.19149	1.26302	0.0077	0.05973	7.74E-04	3.77E-02	4.89E-05	1.89E-04	3.87E-02	7.04E-04	4.07E-08	6.52E-07	5.14E-06	7.10E-04	8.96E-04	3.77E-02	4.89E-05	1.89E-04	3.88E-02
4185	483863.09	3855877.25	0.27606	0.90344	0.0066	0.07958	1.12E-03	2.70E-02	4.22E-05	2.51E-04	2.84E-02	1.01E-03	2.91E-08	5.62E-07	6.85E-06	1.02E-03	1.29E-03	2.70E-02	4.22E-05	2.51E-04	2.85E-02
4186	484363.09	3855877.25	0.49074	0.47828	0.0061	0.15479	1.98E-03	1.43E-02	3.89E-05	4.89E-04	1.68E-02	1.80E-03	1.54E-08	5.19E-07	1.33E-05	1.82E-03	2.29E-03	1.43E-02	3.89E-05	4.89E-04	1.71E-02
4187	484863.09	3855877.25	1.06744	0.31203	0.0061	0.14812	4.31E-03	9.31E-03	3.92E-05	4.68E-04	1.41E-02	3.92E-03	1.01E-08	5.22E-07	1.28E-05	3.94E-03	4.99E-03	9.31E-03	3.92E-05	4.68E-04	1.48E-02
4188	485363.09	3855877.25	8.00507	0.24149	0.0066	0.11185	3.24E-02	7.20E-03	4.21E-05	3.53E-04	4.00E-02	2.94E-02	7.78E-09	5.61E-07	9.63E-06	2.94E-02	3.74E-02	7.20E-03	4.21E-05	3.53E-04	4.50E-02
4189	485863.09	3855877.25	5.04414	0.18746	0.0071	0.08952	2.04E-02	5.59E-03	4.50E-05	2.83E-04	2.63E-02	1.85E-02	6.04E-09	6.00E-07	7.71E-06	1.86E-02	2.36E-02	5.59E-03	4.50E-05	2.83E-04	2.95E-02
4190	486363.09	3855877.25	2.04772	0.14865	0.0092	0.07306	8.28E-03	4.43E-03	5.84E-05	2.31E-04	1.30E-02	7.53E-03	4.79E-09	7.79E-07	6.29E-06	7.54E-03	9.58E-03	4.43E-03	5.84E-05	2.31E-04	1.43E-02
4191	486863.09	3855877.25	1.31949	0.12909	0.0122	0.05936	5.33E-03	3.85E-03	7.78E-05	1.87E-04	9.45E-03	4.85E-03	4.16E-09	1.04E-06	5.11E-06	4.86E-03	6.17E-03	3.85E-03	7.78E-05	1.87E-04	1.03E-02
4192	487363.09	3855877.25	1.0582	0.12488	0.0158	0.04946	4.28E-03	3.73E-03	1.00E-04	1.56E-04	8.26E-03	3.89E-03	4.02E-09	1.34E-06	4.26E-06	3.90E-03	4.95E-03	3.73E-03	1.00E-04	1.56E-04	8.93E-03
4193	487863.09	3855877.25	0.87434	0.12143	0.0135	0.04217	3.53E-03	3.62E-03	8.62E-05	1.33E-04	7.38E-03	3.21E-03	3.91E-09	1.15E-06	3.63E-06	3.22E-03	4.09E-03	3.62E-03	8.62E-05	1.33E-04	7.93E-03
4194	488363.09	3855877.25	0.72711	0.11541	0.0119	0.0369	2.94E-03	3.44E-03	7.57E-05	1.17E-04	6.57E-03	2.67E-03	3.72E-09	1.01E-06	3.18E-06	2.68E-03	3.40E-03	3.44E-03	7.57E-05	1.17E-04	7.04E-03
4195	488863.09	3855877.25	0.61616	0.11009	0.0154	0.03349	2.49E-03	3.28E-03	9.85E-05	1.06E-04	5.98E-03	2.27E-03	3.55E-09	1.31E-06	2.88E-06	2.27E-03	2.88E-03	3.28E-03	9.85E-05	1.06E-04	6.37E-03
4196	489363.09	3855877.25	0.5235	0.10428	0.016	0.03066	2.12E-03	3.11E-03	1.02E-04	9.68E-05	5.43E-03	1.92E-03	3.36E-09	1.36E-06	2.64E-06	1.93E-03	2.45E-03	3.11E-03	1.02E-04	9.68E-05	5.76E-03
4197	489863.09	3855877.25	0.44782	0.09802	0.0208	0.02911	1.81E-03	2.92E-03	1.32E-04	9.19E-05	4.96E-03	1.65E-03	3.16E-09	1.76E-06	2.51E-06	1.65E-03	2.09E-03	2.92E-03	1.32E-04	9.19E-05	5.24E-03
4198	490363.09	3855877.25	0.38695	0.09322	0.0305	0.02781	1.56E-03	2.78E-03	1.94E-04	8.78E-05	4.63E-03	1.42E-03	3.00E-09	2.59E-06	2.39E-06	1.43E-03	1.81E-03	2.78E-03	1.94E-04	8.78E-05	4.87E-03
4199	490863.09	3855877.25	0.33314	0.08474	0.0331	0.02644	1.35E-03	2.53E-03	2.11E-04	8.35E-05	4.17E-03	1.22E-03	2.73E-09	2.81E-06	2.28E-06	1.23E-03	1.56E-03	2.53E-03	2.11E-04	8.35E-05	4.38E-03
4200	491363.09	3855877.25	0.27531	0.07052	0.0448	0.02513	1.11E-03	2.10E-03	2.86E-04	7.93E-05	3.58E-03	1.01E-03	2.27E-09	3.81E-06	2.16E-06	1.02E-03	1.29E-03	2.10E-03	2.86E-04	7.93E-05	3.76E-03
4201	491863.09	3855877.25	0.25677	0.07689	0.0488	0.025	1.04E-03	2.29E-03	3.11E-04	7.89E-05	3.72E-03	9.44E-04	2.48E-09	4.15E-06	2.15E-06	9.50E-04	1.20E-03	2.29E-03	3.11E-04	7.89E-05	3.88E-03
4202	492363.09	3855877.25	0.2243	0.07007	0.0555	0.02468	9.07E-04	2.09E-03	3.54E-04	7.79E-05	3.43E-03	8.25E-04	2.26E-09	4.72E-06	2.13E-06	8.31E-04	1.05E-03	2.09E-03	3.54E-04	7.79E-05	3.57E-03
4203	492863.09	3855877.25	0.19743	0.06495	0.0614	0.02387	7.98E-04	1.94E-03	3.92E-04	7.54E-05	3.20E-03	7.26E-04	2.09E-09	5.22E-06	2.06E-06	7.33E-04	9.23E-04	1.94E-03	3.92E-04	7.54E-05	3.33E-03
4204	493363.09	3855877.25	0.15168	0.05069	0.0589	0.02174	6.13E-04	1.51E-03	3.76E-04	6.86E-05	2.57E-03	5.58E-04	1.63E-09	5.01E-06	1.87E-06	5.65E-04	7.09E-04	1.51E-03	3.76E-04	6.86E-05	2.67E-03
4205	493863.09	3855877.25	0.1042	0.03873	0.0494	0.01952	4.21E-04	1.16E-03	3.15E-04	6.16E-05	1.95E-03	3.83E-04	1.25E-09	4.20E-06	1.68E-06	3.89E-04	4.87E-04	1.16E-03	3.15E-04	6.16E-05	2.02E-03

4206	494363.09	3855877.25	0.07119	0.03026	0.0453	0.01802	2.88E-04	9.03E-04	2.89E-04	5.69E-05	1.54E-03	2.62E-04	9.75E-10	3.85E-06	1.55E-06	2.67E-04	3.33E-04	9.03E-04	2.89E-04	5.69E-05	1.58E-03
4207	494863.09	3855877.25	0.05199	0.02503	0.0433	0.01707	2.10E-04	7.47E-04	2.76E-04	5.39E-05	1.29E-03	1.91E-04	8.07E-10	3.68E-06	1.47E-06	1.96E-04	2.43E-04	7.47E-04	2.76E-04	5.39E-05	1.32E-03
4208	495363.09	3855877.25	0.03637	0.01975	0.0389	0.01584	1.47E-04	5.89E-04	2.48E-04	5.00E-05	1.03E-03	1.34E-04	6.37E-10	3.31E-06	1.36E-06	1.38E-04	1.70E-04	5.89E-04	2.48E-04	5.00E-05	1.06E-03
4209	495863.09	3855877.25	0.03397	0.01933	0.0383	0.01561	1.37E-04	5.77E-04	2.44E-04	4.93E-05	1.01E-03	1.25E-04	6.23E-10	3.26E-06	1.34E-06	1.29E-04	1.59E-04	5.77E-04	2.44E-04	4.93E-05	1.03E-03
4210	496363.09	3855877.25	0.03227	0.01912	0.0378	0.01546	1.30E-04	5.70E-04	2.41E-04	4.88E-05	9.91E-04	1.19E-04	6.16E-10	3.22E-06	1.33E-06	1.23E-04	1.51E-04	5.70E-04	2.41E-04	4.88E-05	1.01E-03
4211	496863.09	3855877.25	0.03228	0.0196	0.0382	0.01549	1.30E-04	5.85E-04	2.44E-04	4.89E-05	1.01E-03	1.19E-04	6.32E-10	3.25E-06	1.33E-06	1.23E-04	1.51E-04	5.85E-04	2.44E-04	4.89E-05	1.03E-03
4212	497363.09	3855877.25	0.03259	0.02016	0.0385	0.01552	1.32E-04	6.01E-04	2.45E-04	4.90E-05	1.03E-03	1.20E-04	6.50E-10	3.27E-06	1.34E-06	1.24E-04	1.52E-04	6.01E-04	2.45E-04	4.90E-05	1.05E-03
4213	497863.09	3855877.25	0.03361	0.02102	0.0389	0.01556	1.36E-04	6.27E-04	2.48E-04	4.91E-05	1.06E-03	1.24E-04	6.77E-10	3.31E-06	1.34E-06	1.28E-04	1.57E-04	6.27E-04	2.48E-04	4.91E-05	1.08E-03
4214	498363.09	3855877.25	0.03738	0.02304	0.0394	0.01571	1.51E-04	6.87E-04	2.51E-04	4.96E-05	1.14E-03	1.37E-04	7.43E-10	3.35E-06	1.35E-06	1.42E-04	1.75E-04	6.87E-04	2.51E-04	4.96E-05	1.16E-03
4215	471363.09	3856377.25	0.00856	0.00615	0.003	0.00346	3.46E-05	1.83E-04	1.93E-05	1.09E-05	2.48E-04	3.15E-05	1.98E-10	2.58E-07	2.98E-07	3.20E-05	4.00E-05	1.83E-04	1.93E-05	1.09E-05	2.54E-04
4216	471863.09	3856377.25	0.00899	0.00635	0.0032	0.00359	3.63E-05	1.89E-04	2.02E-05	1.13E-05	2.57E-04	3.31E-05	2.05E-10	2.69E-07	3.09E-07	3.36E-05	4.20E-05	1.89E-04	2.02E-05	1.13E-05	2.63E-04
4217	472363.09	3856377.25	0.0097	0.0068	0.0034	0.00376	3.92E-05	2.03E-04	2.15E-05	1.19E-05	2.75E-04	3.57E-05	2.19E-10	2.87E-07	3.24E-07	3.63E-05	4.54E-05	2.03E-04	2.15E-05	1.19E-05	2.82E-04
4218	472863.09	3856377.25	0.01055	0.0074	0.0036	0.00395	4.26E-05	2.21E-04	2.31E-05	1.25E-05	2.99E-04	3.88E-05	2.39E-10	3.08E-07	3.40E-07	3.94E-05	4.93E-05	2.21E-04	2.31E-05	1.25E-05	3.06E-04
4219	473363.09	3856377.25	0.01138	0.00789	0.0039	0.00414	4.60E-05	2.35E-04	2.46E-05	1.31E-05	3.19E-04	4.18E-05	2.54E-10	3.27E-07	3.56E-07	4.25E-05	5.32E-05	2.35E-04	2.46E-05	1.31E-05	3.26E-04
4220	473863.09	3856377.25	0.01263	0.00893	0.0041	0.00438	5.11E-05	2.66E-04	2.63E-05	1.38E-05	3.58E-04	4.64E-05	2.88E-10	3.51E-07	3.77E-07	4.72E-05	5.91E-05	2.66E-04	2.63E-05	1.38E-05	3.66E-04
4221	474363.09	3856377.25	0.01292	0.00857	0.0043	0.00452	5.22E-05	2.56E-04	2.75E-05	1.43E-05	3.50E-04	4.75E-05	2.76E-10	3.67E-07	3.89E-07	4.83E-05	6.04E-05	2.56E-04	2.75E-05	1.43E-05	3.58E-04
4222	474863.09	3856377.25	0.01276	0.00794	0.0052	0.00482	5.16E-05	2.37E-04	3.29E-05	1.52E-05	3.37E-04	4.69E-05	2.56E-10	4.39E-07	4.15E-07	4.78E-05	5.97E-05	2.37E-04	3.29E-05	1.52E-05	3.45E-04
4223	475363.09	3856377.25	0.01079	0.00663	0.0043	0.00471	4.36E-05	1.98E-04	2.72E-05	1.49E-05	2.83E-04	3.97E-05	2.14E-10	3.62E-07	4.06E-07	4.04E-05	5.05E-05	1.98E-04	2.72E-05	1.49E-05	2.90E-04
4224	475863.09	3856377.25	0.00758	0.00532	0.0036	0.00465	3.06E-05	1.59E-04	2.28E-05	1.47E-05	2.27E-04	2.79E-05	1.71E-10	3.04E-07	4.00E-07	2.86E-05	3.54E-05	1.59E-04	2.28E-05	1.47E-05	2.32E-04
4225	476363.09	3856377.25	0.00716	0.00528	0.0037	0.00486	2.89E-05	1.58E-04	2.34E-05	1.53E-05	2.25E-04	2.63E-05	1.70E-10	3.12E-07	4.18E-07	2.71E-05	3.35E-05	1.58E-04	2.34E-05	1.53E-05	2.30E-04
4226	476863.09	3856377.25	0.0074	0.00553	0.0039	0.00512	2.99E-05	1.65E-04	2.49E-05	1.62E-05	2.36E-04	2.72E-05	1.78E-10	3.33E-07	4.41E-07	2.80E-05	3.46E-05	1.65E-04	2.49E-05	1.62E-05	2.41E-04
4227	477363.09	3856377.25	0.00802	0.00594	0.0042	0.00541	3.24E-05	1.77E-04	2.67E-05	1.71E-05	2.53E-04	2.95E-05	1.91E-10	3.56E-07	4.66E-07	3.03E-05	3.75E-05	1.77E-04	2.67E-05	1.71E-05	2.59E-04
4228	477863.09	3856377.25	0.00651	0.00551	0.0044	0.00567	2.63E-05	1.64E-04	2.83E-05	1.79E-05	2.37E-04	2.39E-05	1.78E-10	3.78E-07	4.88E-07	2.48E-05	3.04E-05	1.64E-04	2.83E-05	1.79E-05	2.41E-04
4229	478363.09	3856377.25	0.00588	0.00541	0.0046	0.00597	2.38E-05	1.61E-04	2.94E-05	1.88E-05	2.33E-04	2.16E-05	1.74E-10	3.92E-07	5.14E-07	2.25E-05	2.75E-05	1.61E-04	2.94E-05	1.88E-05	2.37E-04
4230	478863.09	3856377.25	0.01191	0.00814	0.0054	0.00663	4.81E-05	2.43E-04	3.44E-05	2.09E-05	3.46E-04	4.38E-05	2.62E-10	4.59E-07	5.71E-07	4.48E-05	5.57E-05	2.43E-04	3.44E-05	2.09E-05	3.54E-04
4231	479363.09	3856377.25	0.01597	0.00997	0.0064	0.00739	6.46E-05	2.97E-04	4.11E-05	2.33E-05	4.26E-04	5.87E-05	3.21E-10	5.48E-07	6.36E-07	5.99E-05	7.47E-05	2.97E-04	4.11E-05	2.33E-05	4.37E-04
4232	479863.09	3856377.25	0.0277	0.0144	0.0088	0.00877	1.12E-04	4.30E-04	5.58E-05	2.77E-05	6.25E-04	1.02E-04	4.64E-10	7.44E-07	7.55E-07	1.03E-04	1.30E-04	4.30E-04	5.58E-05	2.77E-05	6.43E-04
4233	480363.09	3856377.25	0.04193	0.02099	0.0095	0.01001	1.69E-04	6.26E-04	6.06E-05	3.16E-05	8.88E-04	1.54E-04	6.77E-10	8.08E-07	8.62E-07	1.56E-04	1.96E-04	6.26E-04	6.06E-05	3.16E-05	9.14E-04
4234	480863.09	3856377.25	0.05531	0.02981	0.0089	0.01064	2.24E-04	8.89E-04	5.68E-05	3.36E-05	1.20E-03	2.03E-04	9.61E-10	7.58E-07	9.16E-07	2.05E-04	2.59E-04	8.89E-04	5.68E-05	3.36E-05	1.24E-03
4235	481363.09	3856377.25	0.07117	0.04515	0.0089	0.01171	2.88E-04	1.35E-03	5.66E-05	3.70E-05	1.73E-03	2.62E-04	1.46E-09	7.55E-07	1.01E-06	2.63E-04	3.33E-04	1.35E-03	5.66E-05	3.70E-05	1.77E-03
4236	481863.09	3856377.25	0.08843	0.08503	0.009	0.0134	3.57E-04	2.54E-03	5.73E-05	4.23E-05	2.99E-03	3.25E-04	2.74E-09	7.65E-07	1.15E-06	3.27E-04	4.14E-04	2.54E-03	5.73E-05	4.23E-05	3.05E-03
4237	482363.09	3856377.25	0.10435	0.15929	0.0096	0.01827	4.22E-04	4.75E-03	6.12E-05	5.77E-05	5.29E-03	3.84E-04	5.13E-09	8.16E-07	1.57E-06	3.86E-04	4.88E-04	4.75E-03	6.12E-05	5.77E-05	5.36E-03
4238	482863.09	3856377.25	0.1312	0.25705	0.0101	0.02686	5.30E-04	7.67E-03	6.44E-05	8.48E-05	8.35E-03	4.82E-04	8.28E-09	8.58E-07	2.31E-06	4.86E-04	6.14E-04	7.67E-03	6.44E-05	8.48E-05	8.43E-03
4239	483363.09	3856377.25	0.1695	0.86063	0.0104	0.05574	6.85E-04	2.57E-02	6.66E-05	1.76E-04	2.66E-02	6.23E-04	2.77E-08	8.88E-07	4.80E-06	6.29E-04	7.93E-04	2.57E-02	6.66E-05	1.76E-04	2.67E-02
4240	483863.09	3856377.25	0.23268	1.81165	0.0104	0.13776	9.41E-04	5.40E-02	6.63E-05	4.35E-04	5.55E-02	8.55E-04	5.84E-08	8.84E-07	1.19E-05	8.68E-04	1.09E-03	5.40E-02	6.63E-05	4.35E-04	5.56E-02
4241	484363.09	3856377.25	0.3306	1.79031	0.0095	0.21993	1.34E-03	5.34E-02	6.08E-05	6.94E-04	5.55E-02	1.22E-03	5.77E-08	8.10E-07	1.89E-05	1.24E-03	1.55E-03	5.34E-02	6.08E-05	6.94E-04	5.57E-02
4242	484863.09	3856377.25	0.50002	0.82737	0.0083	0.29523	2.02E-03	2.47E-02	5.31E-05	9.32E-04	2.77E-02	1.84E-03	2.67E-08	7.08E-07	2.54E-05	1.86E-03	2.34E-03	2.47E-02	5.31E-05	9.32E-04	2.80E-02
4243	485363.09	3856377.25	0.92881	0.51693	0.0078	0.19618	3.75E-03	1.54E-02	4.99E-05	6.19E-04	1.98E-02	3.41E-03	1.67E-08	6.65E-07	1.69E-05	3.43E-03	4.34E-03	1.54E-02	4.99E-05	6.19E-04	2.04E-02
4244	485863.09	3856377.25	4.79441	0.35977	0.0084	0.11411	1.94E-02	1.07E-02	5.35E-05	3.60E-04	3.05E-02	1.76E-02	1.16E-08	7.13E-07	9.83E-06	1.76E-02	2.24E-02	1.07E-02	5.35E-05	3.60E-04	3.36E-02
4245	486363.09	3856377.25	5.70778	0.2356	0.0093	0.07747	2.31E-02	7.03E-03	5.91E-05	2.45E-04	3.04E-02	2.10E-02	7.59E-09	7.88E-07	6.67E-06	2.10E-02	2.67E-02	7.03E-03	5.91E-05	2.45E-04	3.40E-02
4246	486863.09	3856377.25	2.52686	0.20638	0.0116	0.05734	1.02E-02	6.16E-03	7.42E-05	1.81E-04	1.66E-02	9.29E-03	6.65E-09	9.90E-07	4.94E-06	9.30E-03	1.18E-02	6.16E-03	7.42E-05	1.81E-04	1.82E-02
4247	487363.09	3856377.25	1.68919	0.18951	0.0158	0.04584	6.83E-03	5.65E-03	1.01E-04	1.45E-04	1.27E-02	6.21E-03	6.11E-09	1.34E-06	3.95E-06	6.22E-03	7.90E-03	5.65E-03	1.01E-04	1.45E-04	1.38E-02
4248	487863.09	3856377.25	1.25565	0.17835	0.0185	0.03811	5.08E-03	5.32E-03	1.18E-04	1.20E-04	1.06E-02	4.62E-03	5.75E-09	1.57E-06	3.28E-06	4.62E-03	5.87E-03	5.32E-03	1.18E-04	1.20E-04	1.14E-02
4249	488363.09	3856377.25	0.9655	0.16379	0.0161	0.03315	3.90E-03	4.89E-03	1.03E-04	1.05E-04	9.00E-03	3.55E-03	5.28E-09	1.37E-06	2.85E-06	3.55E-03	4.52E-03	4.89E-03	1.03E-04	1.05E-04	9.61E-03
4250	488863.09	3856377.25	0.76028	0.15095	0.0189	0.03001	3.07E-03	4.50E-03	1.21E-04	9.48E-05	7.79E-03	2.80E-03	4.87E-09	1.61E-06	2.58E-06	2.80E-03	3.56E-03	4.50E-03	1.21E-04	9.48E-05	8.27E-03
4251	489363.09	3856377.25	0.61234	0.13947	0.0243	0.02837	2.48E-03	4.16E-03	1.55E-04	8.96E-05	6.88E-03	2.25E-03	4.50E-09	2.07E-06	2.44E-06	2.26E-03	2.86E-03	4.16E-03	1.55E-04	8.96E-05	7.27E-03
4252	489863.09	3856377.25	0.50315	0.12909	0.0401	0.02733	2.03E-03	3.85E-03	2.55E-04	8.63E-05	6.23E-03	1.85E-03	4.16E-09	3.41E-06	2.35E-06	1.86E-03	2.35E-03	3.85E-03	2.55E-04	8.63E-05	6.55E-03
4253	490363.09	3856377.25	0.42089	0.11832	0.0478	0.02609	1.70E-03	3.53E-03	3.05E-04	8.24E-05	5.62E-03	1.55E-03	3.81E-09	4.07E-06	2.25E-06	1.55E-03	1.97E-03	3.53E-03	3.05E-04	8.24E-05	5.89E-03
4254	490863.09	3856377.25	0.35677	0.1088	0.0608	0.02529	1.44E-03	3.25E-03	3.88E-04	7.98E-05	5.16E-03	1.31E-03	3.51E-09	5.17E-06	2.18E-06	1.32E-03	1.67E-03	3.25E-03	3.88E-04	7.98E-05	5.38E-03
4255	491363.09	3856377.25	0.30653	0.10125	0.0698	0.02538	1.24E-03	3.02E-03	4.45E-04	8.01E-05	4.79E-03	1.13E-03	3.26E-09	5.94E-06	2.19E-06	1.14E-03	1.43E-03	3.02E-03	4.45E-04	8.01E-05	4.98E-03
4256	491863.09	3856377.25	0.26523	0.09284	0.0774	0.02533	1.07E-03	2.77E-03	4.94E-04	8.00E-05	4.42E-03	9.75E-04	2.99E-09	6.59E-06	2.18E-06	9.84E-04	1.24E-03	2.77E-03	4.94E-04	8.00E-05	4.58E-03
4257	492363.09	3856377.25	0.22834	0.08255	0.0803	0.02499	9.23E-04	2.46E-03	5.12E-04	7.89E-05	3.98E-03	8.39E-04	2.66E-09	6.83E-06	2.15E-06	8.48E-04	1.07E-03	2.46E-03	5.12E-04	7.89E-05	4.12E-03
4258	492863.09	3856377.25	0.1845	0.06721	0.0776	0.02369	7.46E-04	2.01E-03	4.95E-04	7.48E-05	3.32E-03	6.78E-04	2.17E-09	6.60E-06	2.04E-06	6.87E-04	8.63E-04	2.01E-03	4.95E-04	7.48E-05	3.44E-03
4259	493363.09	3856377.25	0.11621	0.04668	0.0656	0.02074	4.70E-04	1.39E-03	4.18E-04	6.55E-05	2.35E-03	4.27E-04	1.50E-09	5.57E-06	1.79E-06	4.35E-04	5.43E-04	1.39E-03	4.18E-04	6.55E-05	2.42E-03
4260	493863.09	3856377.25	0.08665	0.039	0.0602	0.01954	3.50E-04	1.16E-03	3.84E-04	6.17E-05	1.96E-03	3.19E-04	1.26E-09	5.12E-06	1.68E-06	3.25E-04	4.05E-04	1.16E-03	3.84E-04	6.17E-05	2.01E-03
4261	494363.09	3856377.25	0.06051	0.03125	0.0551	0.01838	2.45E-04	9.32E-04	3.52E-04	5.80E-05	1.59E-03	2.22E-04	1.01E-09	4.69E-06	1.58E-06	2.29E-04	2.83E-04	9.32E-04	3.52E-04	5.80E-05	1.62E-03
4262	494863.09	3856377.25	0.04397	0.02552	0.0502	0.01732	1.78E-04	7.61E-04	3.20E-04	5.47E-05	1.31E-03	1.62E-04	8.23E-10	4.27E-06	1.49E-06	1.67E-04	2.06E-04	7.61E-04	3.20E-04	5.47E-05	1.34E-03
4263	495363.09	3856377.25	0.03474	0.02186	0.0451	0.01644	1.40E-04	6.52E-04	2.87E-04	5.19E-05	1.13E-03	1.28E-04	7.05E-10	3.83E-06	1.42E-06	1.33E-04	1.62E-04	6.52E-04	2.87E-04	5.19E-05	1.15E-03
4264	495863.09	3856377.25	0.03221	0.02114	0.0431	0.01613	1.30E-04	6.31E-04	2.75E-04	5.09E-05	1.09E-03	1.18E-04	6.81E-10	3.67E-06	1.39E-06	1.23E-04	1.51E-04	6.31E-04	2.75E-04	5.09E-05	1.11E-03
4265	496363.09	3856377.25	0.03159	0.02132	0.0423	0.01603	1.28E-04	6.36E-04	2.70E-04	5.06E-05	1.08E-03	1.16E-04	6.87E-10	3.60E-06	1.38E-06	1.21E-04	1.48E-04	6.36E-04	2.70E-04	5.06E-05	1.10E-03
4266	496863.09	3856377.25	0.03298	0.02245	0.043	0.01624	1.33E-04	6.70E-04	2.74E-04	5.13E-05	1.13E-03	1.21E-04	7.24E-10	3.66E-06	1.40E-06	1.26E-04	1.54E-04	6.70E-04	2.74E-04	5.13E-05	1.15E-03

4267	497363.09	3856377.25	0.03427	0.02348	0.043	0.01626	1.39E-04	7.00E-04	2.74E-04	5.13E-05	1.16E-03	1.26E-04	7.57E-10	3.66E-06	1.40E-06	1.31E-04	1.60E-04	7.00E-04	2.74E-04	5.13E-05	1.19E-03
4268	497863.09	3856377.25	0.03672	0.025	0.0425	0.01629	1.48E-04	7.46E-04	2.71E-04	5.14E-05	1.22E-03	1.35E-04	8.06E-10	3.62E-06	1.40E-06	1.40E-04	1.72E-04	7.46E-04	2.71E-04	5.14E-05	1.24E-03
4269	498363.09	3856377.25	0.04034	0.02704	0.0425	0.01635	1.63E-04	8.07E-04	2.71E-04	5.16E-05	1.29E-03	1.48E-04	8.72E-10	3.62E-06	1.41E-06	1.53E-04	1.89E-04	8.07E-04	2.71E-04	5.16E-05	1.32E-03
4270	471363.09	3856877.25	0.00879	0.00636	0.0031	0.00342	3.55E-05	1.90E-04	1.96E-05	1.08E-05	2.56E-04	3.23E-05	2.05E-10	2.62E-07	2.94E-07	3.29E-05	4.11E-05	1.90E-04	1.96E-05	1.08E-05	2.61E-04
4271	471863.09	3856877.25	0.00917	0.00648	0.0032	0.00355	3.71E-05	1.93E-04	2.01E-05	1.12E-05	2.62E-04	3.37E-05	2.09E-10	2.68E-07	3.06E-07	3.43E-05	4.29E-05	1.93E-04	2.01E-05	1.12E-05	2.68E-04
4272	472363.09	3856877.25	0.00985	0.00692	0.0033	0.00373	3.98E-05	2.06E-04	2.09E-05	1.18E-05	2.79E-04	3.62E-05	2.23E-10	2.78E-07	3.21E-07	3.68E-05	4.61E-05	2.06E-04	2.09E-05	1.18E-05	2.85E-04
4273	472863.09	3856877.25	0.01057	0.00737	0.0034	0.00392	4.27E-05	2.20E-04	2.16E-05	1.24E-05	2.97E-04	3.89E-05	2.38E-10	2.88E-07	3.38E-07	3.95E-05	4.94E-05	2.20E-04	2.16E-05	1.24E-05	3.03E-04
4274	473363.09	3856877.25	0.01173	0.00838	0.0036	0.00417	4.74E-05	2.50E-04	2.27E-05	1.32E-05	3.33E-04	4.31E-05	2.70E-10	3.03E-07	3.59E-07	4.38E-05	5.49E-05	2.50E-04	2.27E-05	1.32E-05	3.41E-04
4275	473863.09	3856877.25	0.01258	0.00892	0.0037	0.00439	5.09E-05	2.66E-04	2.35E-05	1.39E-05	3.54E-04	4.63E-05	2.87E-10	3.14E-07	3.78E-07	4.69E-05	5.88E-05	2.66E-04	2.35E-05	1.39E-05	3.62E-04
4276	474363.09	3856877.25	0.01272	0.00846	0.0038	0.00453	5.14E-05	2.52E-04	2.42E-05	1.43E-05	3.42E-04	4.68E-05	2.73E-10	3.23E-07	3.90E-07	4.75E-05	5.95E-05	2.52E-04	2.42E-05	1.43E-05	3.50E-04
4277	474863.09	3856877.25	0.01241	0.00777	0.0043	0.00484	5.02E-05	2.32E-04	2.73E-05	1.53E-05	3.25E-04	4.56E-05	2.50E-10	3.64E-07	4.17E-07	4.64E-05	5.80E-05	2.32E-04	2.73E-05	1.53E-05	3.32E-04
4278	475363.09	3856877.25	0.011	0.00679	0.0039	0.00475	4.45E-05	2.03E-04	2.50E-05	1.50E-05	2.87E-04	4.04E-05	2.19E-10	3.33E-07	4.09E-07	4.12E-05	5.14E-05	2.03E-04	2.50E-05	1.50E-05	2.94E-04
4279	475863.09	3856877.25	0.01118	0.0069	0.004	0.00492	4.52E-05	2.06E-04	2.56E-05	1.55E-05	2.92E-04	4.11E-05	2.22E-10	3.42E-07	4.24E-07	4.19E-05	5.23E-05	2.06E-04	2.56E-05	1.55E-05	2.99E-04
4280	476363.09	3856877.25	0.00983	0.00641	0.0039	0.00494	3.97E-05	1.91E-04	2.50E-05	1.56E-05	2.72E-04	3.61E-05	2.07E-10	3.33E-07	4.25E-07	3.69E-05	4.60E-05	1.91E-04	2.50E-05	1.56E-05	2.78E-04
4281	476863.09	3856877.25	0.00952	0.00644	0.0039	0.00514	3.85E-05	1.92E-04	2.46E-05	1.62E-05	2.71E-04	3.50E-05	2.08E-10	3.27E-07	4.43E-07	3.58E-05	4.45E-05	1.92E-04	2.46E-05	1.62E-05	2.77E-04
4282	477363.09	3856877.25	0.00846	0.00616	0.0039	0.00531	3.42E-05	1.84E-04	2.47E-05	1.68E-05	2.59E-04	3.11E-05	1.99E-10	3.29E-07	4.57E-07	3.19E-05	3.96E-05	1.84E-04	2.47E-05	1.68E-05	2.65E-04
4283	477863.09	3856877.25	0.00579	0.00519	0.0038	0.00549	2.34E-05	1.55E-04	2.42E-05	1.73E-05	2.20E-04	2.13E-05	1.67E-10	3.22E-07	4.73E-07	2.21E-05	2.71E-05	1.55E-04	2.42E-05	1.73E-05	2.23E-04
4284	478363.09	3856877.25	0.00521	0.00505	0.004	0.00576	2.11E-05	1.51E-04	2.54E-05	1.82E-05	2.15E-04	1.92E-05	1.63E-10	3.38E-07	4.96E-07	2.00E-05	2.44E-05	1.51E-04	2.54E-05	1.82E-05	2.19E-04
4285	478863.09	3856877.25	0.00676	0.00599	0.0044	0.00619	2.73E-05	1.79E-04	2.81E-05	1.95E-05	2.54E-04	2.49E-05	1.93E-10	3.74E-07	5.33E-07	2.58E-05	3.16E-05	1.79E-04	2.81E-05	1.95E-05	2.58E-04
4286	479363.09	3856877.25	0.00934	0.00738	0.0048	0.00669	3.78E-05	2.20E-04	3.06E-05	2.11E-05	3.10E-04	3.43E-05	2.38E-10	4.07E-07	5.76E-07	3.53E-05	4.37E-05	2.20E-04	3.06E-05	2.11E-05	3.16E-04
4287	479863.09	3856877.25	0.02554	0.01358	0.0085	0.00868	1.03E-04	4.05E-04	5.43E-05	2.74E-05	5.90E-04	9.39E-05	4.38E-10	7.24E-07	7.47E-07	9.54E-05	1.19E-04	4.05E-04	5.43E-05	2.74E-05	6.06E-04
4288	480363.09	3856877.25	0.04184	0.02087	0.0098	0.01052	1.69E-04	6.23E-04	6.23E-05	3.32E-05	8.87E-04	1.54E-04	6.73E-10	8.30E-07	9.06E-07	1.56E-04	1.96E-04	6.23E-04	6.23E-05	3.32E-05	9.14E-04
4289	480863.09	3856877.25	0.05691	0.03286	0.0077	0.01026	2.30E-04	9.80E-04	4.94E-05	3.24E-05	1.29E-03	2.09E-04	1.06E-09	6.58E-07	8.83E-07	2.11E-04	2.66E-04	9.80E-04	4.94E-05	3.24E-05	1.33E-03
4290	481363.09	3856877.25	0.07154	0.05024	0.0077	0.01075	2.89E-04	1.50E-03	4.93E-05	3.39E-05	1.87E-03	2.63E-04	1.62E-09	6.57E-07	9.26E-07	2.65E-04	3.35E-04	1.50E-03	4.93E-05	3.39E-05	1.92E-03
4291	481863.09	3856877.25	0.08597	0.07027	0.0083	0.01224	3.48E-04	2.10E-03	5.31E-05	3.86E-05	2.54E-03	3.16E-04	2.26E-09	7.08E-07	1.05E-06	3.18E-04	4.02E-04	2.10E-03	5.31E-05	3.86E-05	2.59E-03
4292	482363.09	3856877.25	0.09681	0.13812	0.0092	0.01403	3.91E-04	4.12E-03	5.87E-05	4.43E-05	4.61E-03	3.56E-04	4.45E-09	7.82E-07	1.21E-06	3.58E-04	4.53E-04	4.12E-03	5.87E-05	4.43E-05	4.68E-03
4293	482863.09	3856877.25	0.11515	0.21511	0.0101	0.01762	4.65E-04	6.42E-03	6.44E-05	5.56E-05	7.00E-03	4.23E-04	6.93E-09	8.58E-07	1.52E-06	4.26E-04	5.39E-04	6.42E-03	6.44E-05	5.56E-05	7.08E-03
4294	483363.09	3856877.25	0.14394	0.40778	0.0111	0.0268	5.82E-04	1.22E-02	7.11E-05	8.46E-05	1.29E-02	5.29E-04	1.31E-08	9.47E-07	2.31E-06	5.32E-04	6.73E-04	1.22E-02	7.11E-05	8.46E-05	1.30E-02
4295	483863.09	3856877.25	0.18599	1.68053	0.0122	0.03874	7.52E-04	5.01E-02	7.78E-05	1.22E-04	5.11E-02	6.84E-04	5.42E-08	1.04E-06	3.34E-06	6.88E-04	8.70E-04	5.01E-02	7.78E-05	1.22E-04	5.12E-02
4296	484363.09	3856877.25	0.24428	2.17827	0.0131	0.0626	9.87E-04	6.50E-02	8.38E-05	1.98E-04	6.63E-02	8.98E-04	7.02E-08	1.12E-06	5.39E-06	9.05E-04	1.14E-03	6.50E-02	8.38E-05	1.98E-04	6.64E-02
4297	484863.09	3856877.25	0.32045	2.56153	0.0135	0.0798	1.30E-03	7.64E-02	8.63E-05	2.52E-04	7.81E-02	1.18E-03	8.26E-08	1.15E-06	6.87E-06	1.19E-03	1.50E-03	7.64E-02	8.63E-05	2.52E-04	7.83E-02
4298	485363.09	3856877.25	0.46618	1.08806	0.0132	0.09757	1.88E-03	3.25E-02	8.40E-05	3.08E-04	3.47E-02	1.71E-03	3.51E-08	1.12E-06	8.40E-06	1.72E-03	2.18E-03	3.25E-02	8.40E-05	3.08E-04	3.50E-02
4299	485863.09	3856877.25	0.78904	0.65356	0.0118	0.06298	3.19E-03	1.95E-02	7.53E-05	1.99E-04	2.30E-02	2.90E-03	2.11E-08	1.00E-06	5.42E-06	2.91E-03	3.69E-03	1.95E-02	7.53E-05	1.99E-04	2.35E-02
4300	486363.09	3856877.25	2.72006	0.33933	0.0117	0.04843	1.10E-02	1.01E-02	7.46E-05	1.53E-04	2.13E-02	1.00E-02	1.09E-08	9.94E-07	4.17E-06	1.00E-02	1.27E-02	1.01E-02	7.46E-05	1.53E-04	2.31E-02
4301	486863.09	3856877.25	10.2373	0.29031	0.0139	0.03903	4.14E-02	8.66E-03	8.89E-05	1.23E-04	5.03E-02	3.76E-02	9.36E-09	1.19E-06	3.36E-06	3.76E-02	4.79E-02	8.66E-03	8.89E-05	1.23E-04	5.67E-02
4302	487363.09	3856877.25	2.74537	0.25947	0.019	0.03347	1.11E-02	7.74E-03	1.21E-04	1.06E-04	1.91E-02	1.01E-02	8.36E-09	1.61E-06	2.88E-06	1.01E-02	1.28E-02	7.74E-03	1.21E-04	1.06E-04	2.08E-02
4303	487863.09	3856877.25	1.50781	0.23413	0.0285	0.03029	6.09E-03	6.98E-03	1.82E-04	9.56E-05	1.34E-02	5.54E-03	7.55E-09	2.42E-06	2.61E-06	5.55E-03	7.05E-03	6.98E-03	1.82E-04	9.56E-05	1.43E-02
4304	488363.09	3856877.25	0.99555	0.21317	0.0258	0.02808	4.02E-03	6.36E-03	1.65E-04	8.87E-05	1.06E-02	3.66E-03	6.87E-09	2.20E-06	2.42E-06	3.66E-03	4.66E-03	6.36E-03	1.65E-04	8.87E-05	1.13E-02
4305	488863.09	3856877.25	0.73264	0.19198	0.0336	0.02743	2.96E-03	5.73E-03	2.14E-04	8.66E-05	8.99E-03	2.69E-03	6.19E-09	2.85E-06	2.36E-06	2.70E-03	3.43E-03	5.73E-03	2.14E-04	8.66E-05	9.45E-03
4306	489363.09	3856877.25	0.57218	0.17629	0.0672	0.02731	2.31E-03	5.26E-03	4.29E-04	8.62E-05	8.09E-03	2.10E-03	5.68E-09	5.72E-06	2.35E-06	2.11E-03	2.68E-03	5.26E-03	4.29E-04	8.62E-05	8.45E-03
4307	489863.09	3856877.25	0.46613	0.16099	0.0923	0.02663	1.88E-03	4.80E-03	5.89E-04	8.41E-05	7.36E-03	1.71E-03	5.19E-09	7.85E-06	2.29E-06	1.72E-03	2.18E-03	4.80E-03	5.89E-04	8.41E-05	7.66E-03
4308	490363.09	3856877.25	0.3898	0.14532	0.1096	0.0263	1.58E-03	4.34E-03	6.99E-04	8.30E-05	6.69E-03	1.43E-03	4.68E-09	9.32E-06	2.26E-06	1.44E-03	1.82E-03	4.34E-03	6.99E-04	8.30E-05	6.94E-03
4309	490863.09	3856877.25	0.33148	0.1326	0.1158	0.02649	1.34E-03	3.96E-03	7.38E-04	8.36E-05	6.12E-03	1.22E-03	4.27E-09	9.85E-06	2.28E-06	1.23E-03	1.55E-03	3.96E-03	7.38E-04	8.36E-05	6.33E-03
4310	491363.09	3856877.25	0.28623	0.12161	0.1142	0.02685	1.16E-03	3.63E-03	7.28E-04	8.48E-05	5.60E-03	1.05E-03	3.92E-09	9.71E-06	2.31E-06	1.06E-03	1.34E-03	3.63E-03	7.28E-04	8.48E-05	5.78E-03
4311	491863.09	3856877.25	0.24895	0.11072	0.112	0.02684	1.01E-03	3.30E-03	7.14E-04	8.47E-05	5.11E-03	9.15E-04	3.57E-09	9.53E-06	2.31E-06	9.27E-04	1.16E-03	3.30E-03	7.14E-04	8.47E-05	5.27E-03
4312	492363.09	3856877.25	0.20385	0.08634	0.1133	0.02641	8.24E-04	2.58E-03	7.23E-04	8.34E-05	4.21E-03	7.49E-04	2.78E-09	9.64E-06	2.27E-06	7.61E-04	9.53E-04	2.58E-03	7.23E-04	8.34E-05	4.34E-03
4313	492863.09	3856877.25	0.15786	0.06974	0.1041	0.0245	6.38E-04	2.08E-03	6.64E-04	7.74E-05	3.46E-03	5.80E-04	2.25E-09	8.85E-06	2.11E-06	5.91E-04	7.38E-04	2.08E-03	6.64E-04	7.74E-05	3.56E-03
4314	493363.09	3856877.25	0.11096	0.05445	0.0856	0.02216	4.49E-04	1.62E-03	5.46E-04	7.00E-05	2.69E-03	4.08E-04	1.75E-09	7.28E-06	1.91E-06	4.17E-04	5.19E-04	1.62E-03	5.46E-04	7.00E-05	2.76E-03
4315	493863.09	3856877.25	0.07288	0.04127	0.071	0.02041	2.95E-04	1.23E-03	4.53E-04	6.44E-05	2.04E-03	2.68E-04	1.33E-09	6.04E-06	1.76E-06	2.76E-04	3.41E-04	1.23E-03	4.53E-04	6.44E-05	2.09E-03
4316	494363.09	3856877.25	0.05007	0.03253	0.0619	0.01923	2.02E-04	9.70E-04	3.95E-04	6.07E-05	1.63E-03	1.84E-04	1.05E-09	5.26E-06	1.66E-06	1.91E-04	2.34E-04	9.70E-04	3.95E-04	6.07E-05	1.66E-03
4317	494863.09	3856877.25	0.04082	0.02855	0.0558	0.01843	1.65E-04	8.52E-04	3.56E-04	5.82E-05	1.43E-03	1.50E-04	9.20E-10	4.75E-06	1.59E-06	1.56E-04	1.91E-04	8.52E-04	3.56E-04	5.82E-05	1.46E-03
4318	495363.09	3856877.25	0.03571	0.02624	0.051	0.01775	1.44E-04	7.83E-04	3.25E-04	5.60E-05	1.31E-03	1.31E-04	8.46E-10	4.33E-06	1.53E-06	1.37E-04	1.67E-04	7.83E-04	3.25E-04	5.60E-05	1.33E-03
4319	495863.09	3856877.25	0.03401	0.02568	0.0482	0.01738	1.37E-04	7.66E-04	3.07E-04	5.49E-05	1.27E-03	1.25E-04	8.28E-10	4.10E-06	1.50E-06	1.31E-04	1.59E-04	7.66E-04	3.07E-04	5.49E-05	1.29E-03
4320	496363.09	3856877.25	0.03298	0.02541	0.0455	0.01707	1.33E-04	7.58E-04	2.90E-04	5.39E-05	1.24E-03	1.21E-04	8.19E-10	3.87E-06	1.47E-06	1.27E-04	1.54E-04	7.58E-04	2.90E-04	5.39E-05	1.26E-03
4321	496863.09	3856877.25	0.03314	0.02582	0.0446	0.01698	1.34E-04	7.70E-04	2.84E-04	5.36E-05	1.24E-03	1.22E-04	8.32E-10	3.79E-06	1.46E-06	1.27E-04	1.55E-04	7.70E-04	2.84E-04	5.36E-05	1.26E-03
4322	497363.09	3856877.25	0.03467	0.02684	0.0433	0.01693	1.40E-04	8.01E-04	2.76E-04	5.35E-05	1.27E-03	1.27E-04	8.65E-10	3.69E-06	1.46E-06	1.33E-04	1.62E-04	8.01E-04	2.76E-04	5.35E-05	1.29E-03
4323	497863.09	3856877.25	0.03895	0.02931	0.0432	0.01698	1.57E-04	8.74E-04	2.76E-04	5.36E-05	1.36E-03	1.43E-04	9.45E-10	3.68E-06	1.46E-06	1.48E-04	1.82E-04	8.74E-04	2.76E-04	5.36E-05	1.39E-03
4324	498363.09	3856877.25	0.04417	0.03234	0.0437	0.01705	1.79E-04	9.65E-04	2.79E-04	5.38E-05	1.48E-03	1.62E-04	1.04E-09	3.72E-06	1.47E-06	1.68E-04	2.07E-04	9.65E-04	2.79E-04	5.38E-05	1.50E-03
4325	471363.09	3857377.25	0.009	0.00645	0.0035	0.00348	3.64E-05	1.92E-04	2.23E-05	1.10E-05	2.62E-04	3.31E-05	2.08E-10	2.98E-07	3.00E-07	3.37E-05	4.21E-05	1.92E-04	2.23E-05	1.10E-05	2.68E-04
4326	471863.09	3857377.25	0.00933	0.00655	0.0036	0.00359	3.77E-05	1.95E-04	2.28E-05	1.13E-05	2.67E-04	3.43E-05	2.11E-10	3.04E-07	3.09E-07	3.49E-05	4.36E-05	1.95E-04	2.28E-05	1.13E-05	2.73E-04
4327	472363.09	3857377.25	0.00988	0.00692	0.0037	0.00374	3.99E-05	2.06E-04	2.35E-05	1.18E-05	2.82E-04	3.63E-05	2.23E-10	3.14E-07	3.22E-07	3.70E-05	4.62E-05	2.06E-04	2.35E-05	1.18E-05	2.88E-04

4328	472863.09	3857377.25	0.01059	0.00744	0.0038	0.00392	4.28E-05	2.22E-04	2.44E-05	1.24E-05	3.02E-04	3.89E-05	2.40E-10	3.25E-07	3.38E-07	3.96E-05	4.95E-05	2.22E-04	2.44E-05	1.24E-05	3.08E-04
4329	473363.09	3857377.25	0.01151	0.0082	0.004	0.00412	4.65E-05	2.45E-04	2.53E-05	1.30E-05	3.29E-04	4.23E-05	2.64E-10	3.37E-07	3.55E-07	4.30E-05	5.38E-05	2.45E-04	2.53E-05	1.30E-05	3.37E-04
4330	473863.09	3857377.25	0.01259	0.00923	0.0041	0.00432	5.09E-05	2.75E-04	2.60E-05	1.36E-05	3.66E-04	4.63E-05	2.97E-10	3.46E-07	3.72E-07	4.70E-05	5.89E-05	2.75E-04	2.60E-05	1.36E-05	3.74E-04
4331	474363.09	3857377.25	0.01244	0.00834	0.0042	0.00439	5.03E-05	2.49E-04	2.66E-05	1.39E-05	3.40E-04	4.57E-05	2.69E-10	3.55E-07	3.78E-07	4.65E-05	5.82E-05	2.49E-04	2.66E-05	1.39E-05	3.47E-04
4332	474863.09	3857377.25	0.01014	0.00633	0.0041	0.00431	4.10E-05	1.89E-04	2.58E-05	1.36E-05	2.69E-04	3.73E-05	2.04E-10	3.44E-07	3.71E-07	3.80E-05	4.74E-05	1.89E-04	2.58E-05	1.36E-05	2.76E-04
4333	475363.09	3857377.25	0.00712	0.00496	0.0034	0.00411	2.88E-05	1.48E-04	2.15E-05	1.30E-05	2.11E-04	2.62E-05	1.60E-10	2.87E-07	3.54E-07	2.68E-05	3.33E-05	1.48E-04	2.15E-05	1.30E-05	2.16E-04
4334	475863.09	3857377.25	0.00663	0.00487	0.0034	0.00427	2.68E-05	1.45E-04	2.18E-05	1.35E-05	2.07E-04	2.44E-05	1.57E-10	2.90E-07	3.68E-07	2.50E-05	3.10E-05	1.45E-04	2.18E-05	1.35E-05	2.12E-04
4335	476363.09	3857377.25	0.00888	0.00593	0.0039	0.00462	3.59E-05	1.77E-04	2.49E-05	1.46E-05	2.52E-04	3.26E-05	1.91E-10	3.33E-07	3.98E-07	3.34E-05	4.15E-05	1.77E-04	2.49E-05	1.46E-05	2.58E-04
4336	476863.09	3857377.25	0.0095	0.00636	0.004	0.00487	3.84E-05	1.90E-04	2.52E-05	1.54E-05	2.69E-04	3.49E-05	2.05E-10	3.36E-07	4.19E-07	3.57E-05	4.44E-05	1.90E-04	2.52E-05	1.54E-05	2.75E-04
4337	477363.09	3857377.25	0.0084	0.00598	0.0039	0.00506	3.40E-05	1.78E-04	2.50E-05	1.60E-05	2.53E-04	3.09E-05	1.93E-10	3.33E-07	4.36E-07	3.17E-05	3.93E-05	1.78E-04	2.50E-05	1.60E-05	2.59E-04
4338	477863.09	3857377.25	0.00628	0.00526	0.0038	0.00526	2.54E-05	1.57E-04	2.39E-05	1.66E-05	2.23E-04	2.31E-05	1.70E-10	3.19E-07	4.53E-07	2.39E-05	2.94E-05	1.57E-04	2.39E-05	1.66E-05	2.27E-04
4339	478363.09	3857377.25	0.00476	0.00474	0.0039	0.00555	1.92E-05	1.41E-04	2.46E-05	1.75E-05	2.03E-04	1.75E-05	1.53E-10	3.27E-07	4.78E-07	1.83E-05	2.23E-05	1.41E-04	2.46E-05	1.75E-05	2.06E-04
4340	478863.09	3857377.25	0.00406	0.00454	0.0039	0.00587	1.64E-05	1.35E-04	2.50E-05	1.85E-05	1.95E-04	1.49E-05	1.46E-10	3.33E-07	5.05E-07	1.58E-05	1.90E-05	1.35E-04	2.50E-05	1.85E-05	1.98E-04
4341	479363.09	3857377.25	0.00679	0.00617	0.0044	0.00649	2.74E-05	1.84E-04	2.80E-05	2.05E-05	2.60E-04	2.50E-05	1.99E-10	3.73E-07	5.59E-07	2.59E-05	3.18E-05	1.84E-04	2.80E-05	2.05E-05	2.64E-04
4342	479863.09	3857377.25	0.02076	0.01184	0.0066	0.00825	8.39E-05	3.53E-04	4.20E-05	2.60E-05	5.05E-04	7.63E-05	3.82E-10	5.60E-07	7.10E-07	7.76E-05	9.71E-05	3.53E-04	4.20E-05	2.60E-05	5.18E-04
4343	480363.09	3857377.25	0.01698	0.01088	0.006	0.00824	6.86E-05	3.25E-04	3.80E-05	2.60E-05	4.57E-04	6.24E-05	3.51E-10	5.06E-07	7.10E-07	6.36E-05	7.94E-05	3.25E-04	3.80E-05	2.60E-05	4.68E-04
4344	480863.09	3857377.25	0.05642	0.03312	0.0072	0.01032	2.28E-04	9.88E-04	4.62E-05	3.26E-05	1.29E-03	2.07E-04	1.07E-09	6.16E-07	8.89E-07	2.09E-04	2.64E-04	9.88E-04	4.62E-05	3.26E-05	1.33E-03
4345	481363.09	3857377.25	0.06426	0.03692	0.0076	0.01091	2.60E-04	1.10E-03	4.82E-05	3.44E-05	1.44E-03	2.36E-04	1.19E-09	6.43E-07	9.39E-07	2.38E-04	3.01E-04	1.10E-03	4.82E-05	3.44E-05	1.48E-03
4346	481863.09	3857377.25	0.07774	0.05535	0.0076	0.01185	3.14E-04	1.65E-03	4.85E-05	3.74E-05	2.05E-03	2.86E-04	1.78E-09	6.47E-07	1.02E-06	2.87E-04	3.64E-04	1.65E-03	4.85E-05	3.74E-05	2.10E-03
4347	482363.09	3857377.25	0.08874	0.10995	0.008	0.01255	3.59E-04	3.28E-03	5.09E-05	3.96E-05	3.73E-03	3.26E-04	3.54E-09	6.79E-07	1.08E-06	3.28E-04	4.15E-04	3.28E-03	5.09E-05	3.96E-05	3.79E-03
4348	482863.09	3857377.25	0.10147	0.16035	0.0088	0.01491	4.10E-04	4.78E-03	5.63E-05	4.71E-05	5.30E-03	3.73E-04	5.17E-09	7.50E-07	1.28E-06	3.75E-04	4.75E-04	4.78E-03	5.63E-05	4.71E-05	5.36E-03
4349	483363.09	3857377.25	0.12175	0.22753	0.0098	0.0185	4.92E-04	6.79E-03	6.26E-05	5.84E-05	7.40E-03	4.48E-04	7.33E-09	8.34E-07	1.59E-06	4.50E-04	5.69E-04	6.79E-03	6.26E-05	5.84E-05	7.48E-03
4350	483863.09	3857377.25	0.14859	0.33981	0.0111	0.0217	6.01E-04	1.01E-02	7.09E-05	6.85E-05	1.09E-02	5.46E-04	1.10E-08	9.46E-07	1.87E-06	5.49E-04	6.95E-04	1.01E-02	7.09E-05	6.85E-05	1.10E-02
4351	484363.09	3857377.25	0.18133	0.54735	0.0128	0.02071	7.33E-04	1.63E-02	8.13E-05	6.54E-05	1.72E-02	6.67E-04	1.76E-08	1.08E-06	1.78E-06	6.70E-04	8.48E-04	1.63E-02	8.13E-05	6.54E-05	1.73E-02
4352	484863.09	3857377.25	0.2214	0.98122	0.0148	0.02152	8.95E-04	2.93E-02	9.45E-05	6.79E-05	3.03E-02	8.14E-04	3.16E-08	1.26E-06	1.85E-06	8.17E-04	1.04E-03	2.93E-02	9.45E-05	6.79E-05	3.05E-02
4353	485363.09	3857377.25	0.27526	2.39719	0.0172	0.02244	1.11E-03	7.15E-02	1.10E-04	7.09E-05	7.28E-02	1.01E-03	7.73E-08	1.46E-06	1.93E-06	1.02E-03	1.29E-03	7.15E-02	1.10E-04	7.09E-05	7.30E-02
4354	485863.09	3857377.25	0.35559	1.38408	0.0196	0.02428	1.44E-03	4.13E-02	1.25E-04	7.67E-05	4.29E-02	1.31E-03	4.46E-08	1.66E-06	2.09E-06	1.31E-03	1.66E-03	4.13E-02	1.25E-04	7.67E-05	4.32E-02
4355	486363.09	3857377.25	0.53184	0.61542	0.0219	0.02529	2.15E-03	1.84E-02	1.40E-04	7.98E-05	2.07E-02	1.96E-03	1.98E-08	1.87E-06	2.18E-06	1.96E-03	2.49E-03	1.84E-02	1.40E-04	7.98E-05	2.11E-02
4356	486863.09	3857377.25	0.81314	0.35468	0.0225	0.02606	3.29E-03	1.06E-02	1.44E-04	8.23E-05	1.41E-02	2.99E-03	1.14E-08	1.92E-06	2.24E-06	2.99E-03	3.80E-03	1.06E-02	1.44E-04	8.23E-05	1.46E-02
4357	487363.09	3857377.25	0.84351	0.31342	0.0298	0.02667	3.41E-03	9.35E-03	1.90E-04	8.42E-05	1.30E-02	3.10E-03	1.01E-08	2.54E-06	2.30E-06	3.11E-03	3.94E-03	9.35E-03	1.90E-04	8.42E-05	1.36E-02
4358	487863.09	3857377.25	0.71923	0.2883	0.054	0.02869	2.91E-03	8.60E-03	3.44E-04	9.06E-05	1.19E-02	2.64E-03	9.29E-09	4.59E-06	2.47E-06	2.65E-03	3.36E-03	8.60E-03	3.44E-04	9.06E-05	1.24E-02
4359	488363.09	3857377.25	0.59167	0.26124	0.0598	0.02911	2.39E-03	7.79E-03	3.82E-04	9.19E-05	1.07E-02	2.18E-03	8.42E-09	5.09E-06	2.51E-06	2.18E-03	2.77E-03	7.79E-03	3.82E-04	9.19E-05	1.10E-02
4360	488863.09	3857377.25	0.48903	0.23845	0.1977	0.02972	1.98E-03	7.11E-03	1.26E-03	9.38E-05	1.04E-02	1.80E-03	7.69E-09	1.68E-05	2.56E-06	1.82E-03	2.29E-03	7.11E-03	1.26E-03	9.38E-05	1.08E-02
4361	489363.09	3857377.25	0.41285	0.218	0.2736	0.02971	1.67E-03	6.50E-03	1.74E-03	9.38E-05	1.00E-02	1.52E-03	7.03E-09	2.33E-05	2.56E-06	1.54E-03	1.93E-03	6.50E-03	1.74E-03	9.38E-05	1.03E-02
4362	489863.09	3857377.25	0.35672	0.19669	0.2467	0.02954	1.44E-03	5.87E-03	1.57E-03	9.33E-05	8.98E-03	1.31E-03	6.34E-09	2.10E-05	2.54E-06	1.34E-03	1.67E-03	5.87E-03	1.57E-03	9.33E-05	9.20E-03
4363	490363.09	3857377.25	0.3109	0.17753	0.2144	0.02963	1.26E-03	5.30E-03	1.37E-03	9.36E-05	8.01E-03	1.14E-03	5.72E-09	1.82E-05	2.55E-06	1.16E-03	1.45E-03	5.30E-03	1.37E-03	9.36E-05	8.21E-03
4364	490863.09	3857377.25	0.27302	0.16234	0.1911	0.02994	1.10E-03	4.84E-03	1.22E-03	9.45E-05	7.26E-03	1.00E-03	5.23E-09	1.63E-05	2.58E-06	1.02E-03	1.28E-03	4.84E-03	1.22E-03	9.45E-05	7.43E-03
4365	491363.09	3857377.25	0.24161	0.14999	0.1721	0.02975	9.77E-04	4.47E-03	1.10E-03	9.39E-05	6.64E-03	8.88E-04	4.83E-09	1.46E-05	2.56E-06	9.05E-04	1.13E-03	4.47E-03	1.10E-03	9.39E-05	6.80E-03
4366	491863.09	3857377.25	0.21387	0.13084	0.1583	0.02994	8.65E-04	3.90E-03	1.01E-03	9.45E-05	5.87E-03	7.86E-04	4.22E-09	1.35E-05	2.58E-06	8.02E-04	1.00E-03	3.90E-03	1.01E-03	9.45E-05	6.01E-03
4367	492363.09	3857377.25	0.17002	0.09412	0.148	0.02958	6.87E-04	2.81E-03	9.44E-04	9.34E-05	4.53E-03	6.25E-04	3.03E-09	1.26E-05	2.55E-06	6.40E-04	7.95E-04	2.81E-03	9.44E-04	9.34E-05	4.64E-03
4368	492863.09	3857377.25	0.11692	0.06945	0.1121	0.02573	4.73E-04	2.07E-03	7.15E-04	8.12E-05	3.34E-03	4.30E-04	2.24E-09	9.54E-06	2.22E-06	4.42E-04	5.47E-04	2.07E-03	7.15E-04	8.12E-05	3.42E-03
4369	493363.09	3857377.25	0.07776	0.05239	0.0841	0.02309	3.14E-04	1.56E-03	5.37E-04	7.29E-05	2.49E-03	2.86E-04	1.69E-09	7.16E-06	1.99E-06	2.95E-04	3.64E-04	1.56E-03	5.37E-04	7.29E-05	2.54E-03
4370	493863.09	3857377.25	0.06257	0.04555	0.0721	0.022	2.53E-04	1.36E-03	4.60E-04	6.95E-05	2.14E-03	2.30E-04	1.47E-09	6.13E-06	1.89E-06	2.38E-04	2.93E-04	1.36E-03	4.60E-04	6.95E-05	2.18E-03
4371	494363.09	3857377.25	0.04921	0.0389	0.0624	0.02087	1.99E-04	1.16E-03	3.98E-04	6.59E-05	1.82E-03	1.81E-04	1.25E-09	5.30E-06	1.80E-06	1.88E-04	2.30E-04	1.16E-03	3.98E-04	6.59E-05	1.85E-03
4372	494863.09	3857377.25	0.04313	0.03563	0.0561	0.02007	1.74E-04	1.06E-03	3.58E-04	6.34E-05	1.66E-03	1.59E-04	1.15E-09	4.77E-06	1.73E-06	1.65E-04	2.02E-04	1.06E-03	3.58E-04	6.34E-05	1.69E-03
4373	495363.09	3857377.25	0.03869	0.03301	0.0511	0.0193	1.56E-04	9.85E-04	3.26E-04	6.09E-05	1.53E-03	1.42E-04	1.06E-09	4.35E-06	1.66E-06	1.48E-04	1.81E-04	9.85E-04	3.26E-04	6.09E-05	1.55E-03
4374	495863.09	3857377.25	0.03702	0.03196	0.0478	0.0188	1.50E-04	9.53E-04	3.05E-04	5.94E-05	1.47E-03	1.36E-04	1.03E-09	4.07E-06	1.62E-06	1.42E-04	1.73E-04	9.53E-04	3.05E-04	5.94E-05	1.49E-03
4375	496363.09	3857377.25	0.03615	0.03132	0.0448	0.01826	1.46E-04	9.34E-04	2.86E-04	5.77E-05	1.42E-03	1.33E-04	1.01E-09	3.81E-06	1.57E-06	1.38E-04	1.69E-04	9.34E-04	2.86E-04	5.77E-05	1.45E-03
4376	496863.09	3857377.25	0.03574	0.03097	0.0427	0.01781	1.44E-04	9.24E-04	2.72E-04	5.62E-05	1.40E-03	1.31E-04	9.98E-10	3.63E-06	1.53E-06	1.37E-04	1.67E-04	9.24E-04	2.72E-04	5.62E-05	1.42E-03
4377	497363.09	3857377.25	0.0375	0.03189	0.0417	0.01759	1.52E-04	9.51E-04	2.66E-04	5.55E-05	1.42E-03	1.38E-04	1.03E-09	3.54E-06	1.51E-06	1.43E-04	1.75E-04	9.51E-04	2.66E-04	5.55E-05	1.45E-03
4378	497863.09	3857377.25	0.04045	0.03363	0.0412	0.01746	1.64E-04	1.00E-03	2.62E-04	5.51E-05	1.48E-03	1.49E-04	1.08E-09	3.50E-06	1.50E-06	1.54E-04	1.89E-04	1.00E-03	2.62E-04	5.51E-05	1.51E-03
4379	498363.09	3857377.25	0.04936	0.03923	0.0431	0.0178	2.00E-04	1.17E-03	2.75E-04	5.62E-05	1.70E-03	1.81E-04	1.26E-09	3.66E-06	1.53E-06	1.87E-04	2.31E-04	1.17E-03	2.75E-04	5.62E-05	1.73E-03
4380	471363.09	3857877.25	0.00935	0.00669	0.0034	0.00337	3.78E-05	2.00E-04	2.18E-05	1.06E-05	2.70E-04	3.44E-05	2.16E-10	2.90E-07	2.90E-07	3.50E-05	4.37E-05	2.00E-04	2.18E-05	1.06E-05	2.76E-04
4381	471863.09	3857877.25	0.00975	0.00684	0.0035	0.00348	3.94E-05	2.04E-04	2.24E-05	1.10E-05	2.77E-04	3.58E-05	2.20E-10	2.99E-07	3.00E-07	3.64E-05	4.56E-05	2.04E-04	2.24E-05	1.10E-05	2.83E-04
4382	472363.09	3857877.25	0.0103	0.00719	0.0036	0.00362	4.16E-05	2.15E-04	2.32E-05	1.14E-05	2.91E-04	3.79E-05	2.32E-10	3.10E-07	3.12E-07	3.85E-05	4.82E-05	2.15E-04	2.32E-05	1.14E-05	2.97E-04
4383	472863.09	3857877.25	0.01113	0.00792	0.0038	0.0038	4.50E-05	2.36E-04	2.40E-05	1.20E-05	3.17E-04	4.09E-05	2.55E-10	3.21E-07	3.27E-07	4.16E-05	5.21E-05	2.36E-04	2.40E-05	1.20E-05	3.24E-04
4384	473363.09	3857877.25	0.01181	0.00836	0.0039	0.00396	4.77E-05	2.49E-04	2.49E-05	1.25E-05	3.35E-04	4.34E-05	2.69E-10	3.32E-07	3.41E-07	4.41E-05	5.52E-05	2.49E-04	2.49E-05	1.25E-05	3.42E-04
4385	473863.09	3857877.25	0.01275	0.00919	0.004	0.00416	5.15E-05	2.74E-04	2.57E-05	1.31E-05	3.65E-04	4.69E-05	2.96E-10	3.43E-07	3.58E-07	4.76E-05	5.96E-05	2.74E-04	2.57E-05	1.31E-05	3.73E-04
4386	474363.09	3857877.25	0.01241	0.00795	0.0045	0.00464	5.02E-05	2.37E-04	2.85E-05	1.47E-05	3.31E-04	4.56E-05	2.56E-10	3.80E-07	4.00E-07	4.64E-05	5.80E-05	2.37E-04	2.85E-05	1.47E-05	3.38E-04
4387	474863.09	3857877.25	0.00967	0.00585	0.004	0.0041	3.91E-05	1.75E-04	2.53E-05	1.29E-05	2.52E-04	3.56E-05	1.89E-10	3.38E-07	3.53E-07	3.62E-05	4.52E-05	1.75E-04	2.53E-05	1.29E-05	2.58E-04
4388	475363.09	3857877.25	0.0053	0.00404	0.0033	0.00386	2.14E-05	1.21E-04	2.09E-05	1.22E-05	1.75E-04	1.95E-05	1.30E-10	2.79E-07	3.32E-07	2.01E-05	2.48E-05	1.21E-04	2.09E-05	1.22E-05	1.78E-04

4389	475863.09	3857877.25	0.00239	0.00265	0.0029	0.00377	9.66E-06	7.91E-05	1.86E-05	1.19E-05	1.19E-04	8.79E-06	8.54E-11	2.47E-07	3.25E-07	9.36E-06	1.12E-05	7.91E-05	1.86E-05	1.19E-05	1.21E-04
4390	476363.09	3857877.25	0.00613	0.00458	0.0036	0.00432	2.48E-05	1.37E-04	2.28E-05	1.36E-05	1.98E-04	2.25E-05	1.48E-10	3.04E-07	3.72E-07	2.32E-05	2.87E-05	1.37E-04	2.28E-05	1.36E-05	2.02E-04
4391	476863.09	3857877.25	0.00782	0.00538	0.004	0.00463	3.16E-05	1.61E-04	2.53E-05	1.46E-05	2.32E-04	2.88E-05	1.73E-10	3.37E-07	3.99E-07	2.95E-05	3.66E-05	1.61E-04	2.53E-05	1.46E-05	2.37E-04
4392	477363.09	3857877.25	0.00775	0.00548	0.0041	0.00493	3.13E-05	1.63E-04	2.62E-05	1.56E-05	2.37E-04	2.85E-05	1.77E-10	3.50E-07	4.25E-07	2.93E-05	3.62E-05	1.63E-04	2.62E-05	1.56E-05	2.42E-04
4393	477863.09	3857877.25	0.00739	0.00556	0.0042	0.00526	2.99E-05	1.66E-04	2.68E-05	1.66E-05	2.39E-04	2.72E-05	1.79E-10	3.57E-07	4.53E-07	2.80E-05	3.46E-05	1.66E-04	2.68E-05	1.66E-05	2.44E-04
4394	478363.09	3857877.25	0.00386	0.00415	0.0039	0.00541	1.56E-05	1.24E-04	2.51E-05	1.71E-05	1.82E-04	1.42E-05	1.34E-10	3.35E-07	4.66E-07	1.50E-05	1.81E-05	1.24E-04	2.51E-05	1.71E-05	1.84E-04
4395	478863.09	3857877.25	0.00313	0.00384	0.0038	0.00555	1.27E-05	1.15E-04	2.44E-05	1.75E-05	1.69E-04	1.15E-05	1.24E-10	3.26E-07	4.78E-07	1.23E-05	1.46E-05	1.15E-04	2.44E-05	1.75E-05	1.71E-04
4396	479363.09	3857877.25	0.01949	0.0105	0.0065	0.00759	7.88E-05	3.13E-04	4.12E-05	2.40E-05	4.57E-04	7.17E-05	3.38E-10	5.49E-07	6.54E-07	7.29E-05	9.11E-05	3.13E-04	4.12E-05	2.40E-05	4.70E-04
4397	479863.09	3857877.25	0.03842	0.02036	0.0074	0.00933	1.55E-04	6.07E-04	4.69E-05	2.95E-05	8.39E-04	1.41E-04	6.56E-10	6.26E-07	8.03E-07	1.43E-04	1.80E-04	6.07E-04	4.69E-05	2.95E-05	8.63E-04
4398	480363.09	3857877.25	0.04627	0.02873	0.0071	0.00913	1.87E-04	8.57E-04	4.55E-05	2.88E-05	1.12E-03	1.70E-04	9.26E-10	6.07E-07	7.86E-07	1.72E-04	2.16E-04	8.57E-04	4.55E-05	2.88E-05	1.15E-03
4399	480863.09	3857877.25	0.05217	0.03352	0.0074	0.0093	2.11E-04	1.00E-03	4.69E-05	2.94E-05	1.29E-03	1.92E-04	1.08E-09	6.25E-07	8.01E-07	1.93E-04	2.44E-04	1.00E-03	4.69E-05	2.94E-05	1.32E-03
4400	481363.09	3857877.25	0.05963	0.03927	0.0078	0.0102	2.41E-04	1.17E-03	4.95E-05	3.22E-05	1.49E-03	2.19E-04	1.27E-09	6.60E-07	8.78E-07	2.21E-04	2.79E-04	1.17E-03	4.95E-05	3.22E-05	1.53E-03
4401	481863.09	3857877.25	0.06889	0.04963	0.0081	0.01073	2.78E-04	1.48E-03	5.17E-05	3.39E-05	1.84E-03	2.53E-04	1.60E-09	6.90E-07	9.24E-07	2.55E-04	3.22E-04	1.48E-03	5.17E-05	3.39E-05	1.89E-03
4402	482363.09	3857877.25	0.08034	0.07974	0.0083	0.0113	3.25E-04	2.38E-03	5.32E-05	3.57E-05	2.79E-03	2.95E-04	2.57E-09	7.09E-07	9.73E-07	2.97E-04	3.76E-04	2.38E-03	5.32E-05	3.57E-05	2.84E-03
4403	482863.09	3857877.25	0.08738	0.12634	0.009	0.01327	3.53E-04	3.77E-03	5.72E-05	4.19E-05	4.22E-03	3.21E-04	4.07E-09	7.62E-07	1.14E-06	3.23E-04	4.09E-04	3.77E-03	5.72E-05	4.19E-05	4.28E-03
4404	483363.09	3857877.25	0.10197	0.15492	0.0098	0.0145	4.12E-04	4.62E-03	6.23E-05	4.58E-05	5.14E-03	3.75E-04	4.99E-09	8.31E-07	1.25E-06	3.77E-04	4.77E-04	4.62E-03	6.23E-05	4.58E-05	5.21E-03
4405	483863.09	3857877.25	0.11884	0.19001	0.0108	0.01428	4.80E-04	5.67E-03	6.91E-05	4.51E-05	6.26E-03	4.37E-04	6.12E-09	9.22E-07	1.23E-06	4.39E-04	5.56E-04	5.67E-03	6.91E-05	4.51E-05	6.34E-03
4406	484363.09	3857877.25	0.13798	0.23004	0.0122	0.01514	5.58E-04	6.86E-03	7.77E-05	4.78E-05	7.55E-03	5.07E-04	7.41E-09	1.04E-06	1.30E-06	5.10E-04	6.45E-04	6.86E-03	7.77E-05	4.78E-05	7.63E-03
4407	484863.09	3857877.25	0.15809	0.2891	0.014	0.0162	6.39E-04	8.62E-03	8.91E-05	5.11E-05	9.40E-03	5.81E-04	9.32E-09	1.19E-06	1.39E-06	5.84E-04	7.39E-04	8.62E-03	8.91E-05	5.11E-05	9.50E-03
4408	485363.09	3857877.25	0.17794	0.37408	0.0164	0.01836	7.19E-04	1.12E-02	1.04E-04	5.80E-05	1.20E-02	6.54E-04	1.21E-08	1.39E-06	1.58E-06	6.57E-04	8.32E-04	1.12E-02	1.04E-04	5.80E-05	1.22E-02
4409	485863.09	3857877.25	0.19959	0.56499	0.0199	0.02215	8.07E-04	1.69E-02	1.27E-04	6.99E-05	1.79E-02	7.34E-04	1.82E-08	1.69E-06	1.91E-06	7.37E-04	9.33E-04	1.69E-02	1.27E-04	6.99E-05	1.80E-02
4410	486363.09	3857877.25	0.21987	1.91625	0.0258	0.02959	8.89E-04	5.72E-02	1.64E-04	9.34E-05	5.83E-02	8.08E-04	6.18E-08	2.19E-06	2.55E-06	8.13E-04	1.03E-03	5.72E-02	1.64E-04	9.34E-05	5.85E-02
4411	486863.09	3857877.25	0.22559	0.71285	0.0375	0.03491	9.12E-04	2.13E-02	2.39E-04	1.10E-04	2.25E-02	8.29E-04	2.30E-08	3.19E-06	3.01E-06	8.36E-04	1.05E-03	2.13E-02	2.39E-04	1.10E-04	2.27E-02
4412	487363.09	3857877.25	0.25985	0.49024	0.072	0.05429	1.05E-03	1.46E-02	4.59E-04	1.71E-04	1.63E-02	9.55E-04	1.58E-08	6.12E-06	4.67E-06	9.66E-04	1.22E-03	1.46E-02	4.59E-04	1.71E-04	1.65E-02
4413	487863.09	3857877.25	0.27309	0.39659	0.1951	0.04731	1.10E-03	1.18E-02	1.24E-03	1.49E-04	1.43E-02	1.00E-03	1.28E-08	1.66E-05	4.07E-06	1.02E-03	1.28E-03	1.18E-02	1.24E-03	1.49E-04	1.45E-02
4414	488363.09	3857877.25	0.26864	0.35248	2.7017	0.04462	1.09E-03	1.05E-02	1.72E-02	1.41E-04	2.90E-02	9.88E-04	1.14E-08	2.30E-04	3.84E-06	1.22E-03	1.26E-03	1.05E-02	1.72E-02	1.41E-04	2.91E-02
4415	488863.09	3857877.25	0.26913	0.31682	1.1797	0.0424	1.09E-03	9.45E-03	7.52E-03	1.34E-04	1.82E-02	9.89E-04	1.02E-08	1.00E-04	3.65E-06	1.09E-03	1.26E-03	9.45E-03	7.52E-03	1.34E-04	1.84E-02
4416	489363.09	3857877.25	0.25971	0.28069	0.5648	0.03908	1.05E-03	8.37E-03	3.60E-03	1.23E-04	1.31E-02	9.55E-04	9.05E-09	4.80E-05	3.37E-06	1.01E-03	1.21E-03	8.37E-03	3.60E-03	1.23E-04	1.33E-02
4417	489863.09	3857877.25	0.24313	0.2499	0.354	0.03681	9.83E-04	7.46E-03	2.26E-03	1.16E-04	1.08E-02	8.94E-04	8.05E-09	3.01E-05	3.17E-06	9.27E-04	1.14E-03	7.46E-03	2.26E-03	1.16E-04	1.10E-02
4418	490363.09	3857877.25	0.22387	0.22842	0.2568	0.03609	9.05E-04	6.81E-03	1.64E-03	1.14E-04	9.47E-03	8.23E-04	7.36E-09	2.18E-05	3.11E-06	8.48E-04	1.05E-03	6.81E-03	1.64E-03	1.14E-04	9.61E-03
4419	490863.09	3857877.25	0.20613	0.20914	0.2018	0.03532	8.33E-04	6.24E-03	1.29E-03	1.12E-04	8.47E-03	7.58E-04	6.74E-09	1.72E-05	3.04E-06	7.78E-04	9.64E-04	6.24E-03	1.29E-03	1.12E-04	8.60E-03
4420	491363.09	3857877.25	0.18922	0.17788	0.168	0.03509	7.65E-04	5.31E-03	1.07E-03	1.11E-04	7.25E-03	6.96E-04	5.73E-09	1.43E-05	3.02E-06	7.13E-04	8.85E-04	5.31E-03	1.07E-03	1.11E-04	7.37E-03
4421	491863.09	3857877.25	0.16937	0.14321	0.1462	0.03524	6.85E-04	4.27E-03	9.33E-04	1.11E-04	6.00E-03	6.23E-04	4.62E-09	1.24E-05	3.03E-06	6.38E-04	7.92E-04	4.27E-03	9.33E-04	1.11E-04	6.11E-03
4422	492363.09	3857877.25	0.12697	0.09917	0.1215	0.03187	5.13E-04	2.96E-03	7.75E-04	1.01E-04	4.35E-03	4.67E-04	3.20E-09	1.03E-05	2.74E-06	4.80E-04	5.94E-04	2.96E-03	7.75E-04	1.01E-04	4.43E-03
4423	492863.09	3857877.25	0.08475	0.07248	0.0882	0.02722	3.43E-04	2.16E-03	5.62E-04	8.59E-05	3.15E-03	3.12E-04	2.34E-09	7.50E-06	2.34E-06	3.21E-04	3.96E-04	2.16E-03	5.62E-04	8.59E-05	3.21E-03
4424	493363.09	3857877.25	0.06888	0.06187	0.0731	0.02528	2.78E-04	1.85E-03	4.66E-04	7.98E-05	2.67E-03	2.53E-04	1.99E-09	6.22E-06	2.18E-06	2.62E-04	3.22E-04	1.85E-03	4.66E-04	7.98E-05	2.71E-03
4425	493863.09	3857877.25	0.06069	0.05589	0.0642	0.02396	2.45E-04	1.67E-03	4.09E-04	7.57E-05	2.40E-03	2.23E-04	1.80E-09	5.46E-06	2.06E-06	2.31E-04	2.84E-04	1.67E-03	4.09E-04	7.57E-05	2.44E-03
4426	494363.09	3857877.25	0.05496	0.05134	0.0575	0.02274	2.22E-04	1.53E-03	3.67E-04	7.18E-05	2.19E-03	2.02E-04	1.65E-09	4.89E-06	1.96E-06	2.09E-04	2.57E-04	1.53E-03	3.67E-04	7.18E-05	2.23E-03
4427	494863.09	3857877.25	0.04621	0.04479	0.0508	0.02151	1.87E-04	1.34E-03	3.24E-04	6.79E-05	1.91E-03	1.70E-04	1.44E-09	4.32E-06	1.85E-06	1.76E-04	2.16E-04	1.34E-03	3.24E-04	6.79E-05	1.94E-03
4428	495363.09	3857877.25	0.04308	0.04193	0.0468	0.02057	1.74E-04	1.25E-03	2.98E-04	6.49E-05	1.79E-03	1.58E-04	1.35E-09	3.98E-06	1.77E-06	1.64E-04	2.01E-04	1.25E-03	2.98E-04	6.49E-05	1.82E-03
4429	495863.09	3857877.25	0.04043	0.03939	0.0433	0.0197	1.63E-04	1.18E-03	2.76E-04	6.22E-05	1.68E-03	1.49E-04	1.27E-09	3.68E-06	1.70E-06	1.54E-04	1.89E-04	1.18E-03	2.76E-04	6.22E-05	1.70E-03
4430	496363.09	3857877.25	0.0406	0.03878	0.0413	0.0191	1.64E-04	1.16E-03	2.64E-04	6.03E-05	1.64E-03	1.49E-04	1.25E-09	3.51E-06	1.64E-06	1.54E-04	1.90E-04	1.16E-03	2.64E-04	6.03E-05	1.67E-03
4431	496863.09	3857877.25	0.04038	0.03814	0.0396	0.01858	1.63E-04	1.14E-03	2.52E-04	5.87E-05	1.61E-03	1.48E-04	1.23E-09	3.37E-06	1.60E-06	1.53E-04	1.89E-04	1.14E-03	2.52E-04	5.87E-05	1.64E-03
4432	497363.09	3857877.25	0.03957	0.03712	0.0377	0.01797	1.60E-04	1.11E-03	2.41E-04	5.67E-05	1.56E-03	1.45E-04	1.20E-09	3.21E-06	1.55E-06	1.50E-04	1.85E-04	1.11E-03	2.41E-04	5.67E-05	1.59E-03
4433	497863.09	3857877.25	0.04515	0.04061	0.0384	0.01797	1.83E-04	1.21E-03	2.45E-04	5.67E-05	1.70E-03	1.66E-04	1.31E-09	3.26E-06	1.55E-06	1.71E-04	2.11E-04	1.21E-03	2.45E-04	5.67E-05	1.72E-03
4434	498363.09	3857877.25	0.05079	0.0444	0.0391	0.01811	2.05E-04	1.32E-03	2.50E-04	5.72E-05	1.84E-03	1.87E-04	1.43E-09	3.33E-06	1.56E-06	1.92E-04	2.38E-04	1.32E-03	2.50E-04	5.72E-05	1.87E-03
4435	471363.09	3858377.25	0.00948	0.00721	0.0033	0.00332	3.83E-05	2.15E-04	2.07E-05	1.05E-05	2.85E-04	3.49E-05	2.32E-10	2.76E-07	2.86E-07	3.54E-05	4.43E-05	2.15E-04	2.07E-05	1.05E-05	2.91E-04
4436	471863.09	3858377.25	0.00988	0.00737	0.0034	0.00345	3.99E-05	2.20E-04	2.14E-05	1.09E-05	2.92E-04	3.63E-05	2.38E-10	2.85E-07	2.97E-07	3.69E-05	4.62E-05	2.20E-04	2.14E-05	1.09E-05	2.98E-04
4437	472363.09	3858377.25	0.01034	0.00756	0.0035	0.0036	4.18E-05	2.26E-04	2.21E-05	1.14E-05	3.01E-04	3.80E-05	2.44E-10	2.94E-07	3.10E-07	3.86E-05	4.84E-05	2.26E-04	2.21E-05	1.14E-05	3.07E-04
4438	472863.09	3858377.25	0.01104	0.00811	0.0036	0.0038	4.46E-05	2.42E-04	2.29E-05	1.20E-05	3.21E-04	4.06E-05	2.61E-10	3.05E-07	3.27E-07	4.12E-05	5.16E-05	2.42E-04	2.29E-05	1.20E-05	3.28E-04
4439	473363.09	3858377.25	0.01214	0.00952	0.0037	0.00399	4.91E-05	2.84E-04	2.38E-05	1.26E-05	3.69E-04	4.46E-05	3.07E-10	3.17E-07	3.44E-07	4.53E-05	5.68E-05	2.84E-04	2.38E-05	1.26E-05	3.77E-04
4440	473863.09	3858377.25	0.0126	0.0092	0.0039	0.00421	5.09E-05	2.74E-04	2.47E-05	1.33E-05	3.63E-04	4.63E-05	2.97E-10	3.29E-07	3.63E-07	4.70E-05	5.89E-05	2.74E-04	2.47E-05	1.33E-05	3.71E-04
4441	474363.09	3858377.25	0.01191	0.00754	0.0039	0.00423	4.81E-05	2.25E-04	2.51E-05	1.34E-05	3.12E-04	4.38E-05	2.43E-10	3.34E-07	3.64E-07	4.45E-05	5.57E-05	2.25E-04	2.51E-05	1.34E-05	3.19E-04
4442	474863.09	3858377.25	0.00998	0.0059	0.0039	0.00418	4.03E-05	1.76E-04	2.51E-05	1.32E-05	2.55E-04	3.67E-05	1.90E-10	3.35E-07	3.60E-07	3.74E-05	4.67E-05	1.76E-04	2.51E-05	1.32E-05	2.61E-04
4443	475363.09	3858377.25	0.00664	0.00442	0.0037	0.00388	2.68E-05	1.32E-04	2.33E-05	1.23E-05	1.94E-04	2.44E-05	1.42E-10	3.10E-07	3.34E-07	2.51E-05	3.11E-05	1.32E-04	2.33E-05	1.23E-05	1.98E-04
4444	475863.09	3858377.25	0.00463	0.00374	0.0035	0.00399	1.87E-05	1.12E-04	2.25E-05	1.26E-05	1.65E-04	1.70E-05	1.21E-10	2.99E-07	3.44E-07	1.77E-05	2.17E-05	1.12E-04	2.25E-05	1.26E-05	1.68E-04
4445	476363.09	3858377.25	0.00509	0.00405	0.0037	0.00423	2.06E-05	1.21E-04	2.35E-05	1.34E-05	1.78E-04	1.87E-05	1.31E-10	3.13E-07	3.64E-07	1.94E-05	2.38E-05	1.21E-04	2.35E-05	1.34E-05	1.81E-04
4446	476863.09	3858377.25	0.0056	0.00442	0.0039	0.00451	2.26E-05	1.32E-04	2.47E-05	1.42E-05	1.93E-04	2.06E-05	1.42E-10	3.30E-07	3.88E-07	2.13E-05	2.62E-05	1.32E-04	2.47E-05	1.42E-05	1.97E-04
4447	477363.09	3858377.25	0.00531	0.00442	0.004	0.00476	2.15E-05	1.32E-04	2.56E-05	1.50E-05	1.94E-04	1.95E-05	1.42E-10	3.41E-07	4.10E-07	2.03E-05	2.48E-05	1.32E-04	2.56E-05	1.50E-05	1.97E-04
4448	477863.09	3858377.25	0.00747	0.00545	0.0044	0.00516	3.02E-05	1.63E-04	2.83E-05	1.63E-05	2.37E-04	2.75E-05	1.76E-10	3.77E-07	4.44E-07	2.83E-05	3.49E-05	1.63E-04	2.83E-05	1.63E-05	2.42E-04
4449	478363.09	3858377.25	0.00829	0.00591	0.0047	0.00547	3.35E-05	1.76E-04	2.98E-05	1.73E-05	2.57E-04	3.05E-05	1.90E-10	3.97E-07	4.71E-07	3.13E-05	3.88E-05	1.76E-04	2.98E-05	1.73E-05	2.62E-04

4450	478863.09	3858377.25	0.00536	0.00487	0.0045	0.00556	2.17E-05	1.45E-04	2.86E-05	1.76E-05	2.13E-04	1.97E-05	1.57E-10	3.81E-07	4.79E-07	2.06E-05	2.51E-05	1.45E-04	2.86E-05	1.76E-05	2.16E-04
4451	479363.09	3858377.25	0.0209	0.01075	0.0068	0.00729	8.45E-05	3.21E-04	4.34E-05	2.30E-05	4.72E-04	7.68E-05	3.46E-10	5.79E-07	6.28E-07	7.80E-05	9.77E-05	3.21E-04	4.34E-05	2.30E-05	4.85E-04
4452	479863.09	3858377.25	0.03734	0.02256	0.0075	0.00822	1.51E-04	6.73E-04	4.77E-05	2.60E-05	8.98E-04	1.37E-04	7.27E-10	6.36E-07	7.08E-07	1.39E-04	1.75E-04	6.73E-04	4.77E-05	2.60E-05	9.21E-04
4453	480363.09	3858377.25	0.0433	0.03143	0.0075	0.00822	1.75E-04	9.38E-04	4.78E-05	2.60E-05	1.19E-03	1.59E-04	1.01E-09	6.38E-07	7.08E-07	1.61E-04	2.02E-04	9.38E-04	4.78E-05	2.60E-05	1.21E-03
4454	480863.09	3858377.25	0.04832	0.03517	0.0079	0.00858	1.95E-04	1.05E-03	5.03E-05	2.71E-05	1.32E-03	1.78E-04	1.13E-09	6.71E-07	7.39E-07	1.79E-04	2.26E-04	1.05E-03	5.03E-05	2.71E-05	1.35E-03
4455	481363.09	3858377.25	0.05424	0.04143	0.0084	0.00906	2.19E-04	1.24E-03	5.34E-05	2.86E-05	1.54E-03	1.99E-04	1.34E-09	7.12E-07	7.80E-07	2.01E-04	2.54E-04	1.24E-03	5.34E-05	2.86E-05	1.57E-03
4456	481863.09	3858377.25	0.06136	0.04593	0.009	0.00959	2.48E-04	1.37E-03	5.76E-05	3.03E-05	1.71E-03	2.26E-04	1.48E-09	7.68E-07	8.26E-07	2.27E-04	2.87E-04	1.37E-03	5.76E-05	3.03E-05	1.75E-03
4457	482363.09	3858377.25	0.07063	0.05663	0.0095	0.01046	2.86E-04	1.69E-03	6.09E-05	3.30E-05	2.07E-03	2.60E-04	1.83E-09	8.11E-07	9.01E-07	2.61E-04	3.30E-04	1.69E-03	6.09E-05	3.30E-05	2.11E-03
4458	482863.09	3858377.25	0.08047	0.08656	0.0097	0.01119	3.25E-04	2.58E-03	6.19E-05	3.53E-05	3.00E-03	2.96E-04	2.79E-09	8.26E-07	9.64E-07	2.98E-04	3.76E-04	2.58E-03	6.19E-05	3.53E-05	3.06E-03
4459	483363.09	3858377.25	0.08616	0.11936	0.0103	0.0113	3.48E-04	3.56E-03	6.54E-05	3.57E-05	4.01E-03	3.17E-04	3.85E-09	8.73E-07	9.73E-07	3.19E-04	4.03E-04	3.56E-03	6.54E-05	3.57E-05	4.06E-03
4460	483863.09	3858377.25	0.09394	0.14055	0.011	0.01194	3.80E-04	4.19E-03	7.00E-05	3.77E-05	4.68E-03	3.45E-04	4.53E-09	9.33E-07	1.03E-06	3.47E-04	4.39E-04	4.19E-03	7.00E-05	3.77E-05	4.74E-03
4461	484363.09	3858377.25	0.10446	0.16439	0.0121	0.01341	4.22E-04	4.90E-03	7.74E-05	4.23E-05	5.45E-03	3.84E-04	5.30E-09	1.03E-06	1.15E-06	3.86E-04	4.89E-04	4.90E-03	7.74E-05	4.23E-05	5.51E-03
4462	484863.09	3858377.25	0.11318	0.20016	0.0136	0.01479	4.57E-04	5.97E-03	8.68E-05	4.67E-05	6.56E-03	4.16E-04	6.45E-09	1.16E-06	1.27E-06	4.19E-04	5.29E-04	5.97E-03	8.68E-05	4.67E-05	6.63E-03
4463	485363.09	3858377.25	0.12147	0.2603	0.0155	0.01776	4.91E-04	7.77E-03	9.87E-05	5.61E-05	8.41E-03	4.47E-04	8.39E-09	1.32E-06	1.53E-06	4.49E-04	5.68E-04	7.77E-03	9.87E-05	5.61E-05	8.49E-03
4464	485863.09	3858377.25	0.13063	0.40522	0.0183	0.02463	5.28E-04	1.21E-02	1.16E-04	7.78E-05	1.28E-02	4.80E-04	1.31E-08	1.55E-06	2.12E-06	4.84E-04	6.11E-04	1.21E-02	1.16E-04	7.78E-05	1.29E-02
4465	486363.09	3858377.25	0.13117	1.95867	0.0227	0.0505	5.30E-04	5.84E-02	1.45E-04	1.59E-04	5.93E-02	4.82E-04	6.31E-08	1.93E-06	4.35E-06	4.89E-04	6.13E-04	5.84E-02	1.45E-04	1.59E-04	5.94E-02
4466	486863.09	3858377.25	0.12941	2.58156	0.0303	0.08378	5.23E-04	7.70E-02	1.94E-04	2.65E-04	7.80E-02	4.76E-04	8.32E-08	2.58E-06	7.21E-06	4.86E-04	6.05E-04	7.70E-02	1.94E-04	2.65E-04	7.81E-02
4467	487363.09	3858377.25	0.13631	1.1939	0.0426	0.09502	5.51E-04	3.56E-02	2.71E-04	3.00E-04	3.67E-02	5.01E-04	3.85E-08	3.62E-06	8.18E-06	5.13E-04	6.37E-04	3.56E-02	2.71E-04	3.00E-04	3.68E-02
4468	487863.09	3858377.25	0.1492	0.76136	0.0593	0.12016	6.03E-04	2.27E-02	3.78E-04	3.79E-04	2.41E-02	5.49E-04	2.45E-08	5.04E-06	1.03E-05	5.64E-04	6.98E-04	2.27E-02	3.78E-04	3.79E-04	2.42E-02
4469	488363.09	3858377.25	0.15579	0.56377	0.0854	0.08626	6.30E-04	1.68E-02	5.45E-04	2.72E-04	1.83E-02	5.73E-04	1.82E-08	7.27E-06	7.43E-06	5.87E-04	7.29E-04	1.68E-02	5.45E-04	2.72E-04	1.84E-02
4470	488863.09	3858377.25	0.14943	0.4554	0.1979	0.06318	6.04E-04	1.36E-02	1.26E-03	1.99E-04	1.57E-02	5.49E-04	1.47E-08	1.68E-05	5.44E-06	5.72E-04	6.99E-04	1.36E-02	1.26E-03	1.99E-04	1.57E-02
4471	489363.09	3858377.25	0.15771	0.39438	0.1745	0.05371	6.37E-04	1.18E-02	1.11E-03	1.70E-04	1.37E-02	5.80E-04	1.27E-08	1.48E-05	4.62E-06	5.99E-04	7.38E-04	1.18E-02	1.11E-03	1.70E-04	1.38E-02
4472	489863.09	3858377.25	0.1622	0.34967	0.147	0.04946	6.56E-04	1.04E-02	9.37E-04	1.56E-04	1.22E-02	5.96E-04	1.13E-08	1.25E-05	4.26E-06	6.13E-04	7.59E-04	1.04E-02	9.37E-04	1.56E-04	1.23E-02
4473	490363.09	3858377.25	0.15854	0.30957	0.1292	0.04621	6.41E-04	9.24E-03	8.24E-04	1.46E-04	1.08E-02	5.83E-04	9.98E-09	1.10E-05	3.98E-06	5.98E-04	7.41E-04	9.24E-03	8.24E-04	1.46E-04	1.09E-02
4474	490863.09	3858377.25	0.15083	0.27275	0.1161	0.04345	6.10E-04	8.14E-03	7.40E-04	1.37E-04	9.62E-03	5.55E-04	8.79E-09	9.87E-06	3.74E-06	5.68E-04	7.05E-04	8.14E-03	7.40E-04	1.37E-04	9.72E-03
4475	491363.09	3858377.25	0.14228	0.22003	0.1074	0.04177	5.75E-04	6.56E-03	6.85E-04	1.32E-04	7.96E-03	5.23E-04	7.09E-09	9.13E-06	3.60E-06	5.36E-04	6.65E-04	6.56E-03	6.85E-04	1.32E-04	8.05E-03
4476	491863.09	3858377.25	0.12258	0.15142	0.109	0.04045	4.95E-04	4.52E-03	6.95E-04	1.28E-04	5.84E-03	4.51E-04	4.88E-09	9.27E-06	3.48E-06	4.63E-04	5.73E-04	4.52E-03	6.95E-04	1.28E-04	5.91E-03
4477	492363.09	3858377.25	0.08219	0.10031	0.0812	0.03283	3.32E-04	2.99E-03	5.18E-04	1.04E-04	3.95E-03	3.02E-04	3.23E-09	6.91E-06	2.83E-06	3.12E-04	3.84E-04	2.99E-03	5.18E-04	1.04E-04	4.00E-03
4478	492863.09	3858377.25	0.08885	0.10141	0.0805	0.03209	3.59E-04	3.03E-03	5.13E-04	1.01E-04	4.00E-03	3.27E-04	3.27E-09	6.85E-06	2.76E-06	3.36E-04	4.16E-04	3.03E-03	5.13E-04	1.01E-04	4.06E-03
4479	493363.09	3858377.25	0.07492	0.08575	0.0652	0.02874	3.03E-04	2.56E-03	4.16E-04	9.07E-05	3.37E-03	2.75E-04	2.76E-09	5.55E-06	2.47E-06	2.83E-04	3.50E-04	2.56E-03	4.16E-04	9.07E-05	3.42E-03
4480	493863.09	3858377.25	0.06799	0.07663	0.0575	0.02661	2.75E-04	2.29E-03	3.67E-04	8.40E-05	3.01E-03	2.50E-04	2.47E-09	4.89E-06	2.29E-06	2.57E-04	3.18E-04	2.29E-03	3.67E-04	8.40E-05	3.05E-03
4481	494363.09	3858377.25	0.06004	0.06733	0.0502	0.0246	2.43E-04	2.01E-03	3.20E-04	7.77E-05	2.65E-03	2.21E-04	2.17E-09	4.27E-06	2.12E-06	2.27E-04	2.81E-04	2.01E-03	3.20E-04	7.77E-05	2.69E-03
4482	494863.09	3858377.25	0.05364	0.05989	0.0452	0.02294	2.17E-04	1.79E-03	2.88E-04	7.24E-05	2.36E-03	1.97E-04	1.93E-09	3.84E-06	1.98E-06	2.03E-04	2.51E-04	1.79E-03	2.88E-04	7.24E-05	2.40E-03
4483	495363.09	3858377.25	0.0467	0.05237	0.0406	0.02128	1.89E-04	1.56E-03	2.59E-04	6.72E-05	2.08E-03	1.72E-04	1.69E-09	3.45E-06	1.83E-06	1.77E-04	2.18E-04	1.56E-03	2.59E-04	6.72E-05	2.11E-03
4484	495863.09	3858377.25	0.04545	0.04969	0.0385	0.02031	1.84E-04	1.48E-03	2.45E-04	6.41E-05	1.98E-03	1.67E-04	1.60E-09	3.27E-06	1.75E-06	1.72E-04	2.13E-04	1.48E-03	2.45E-04	6.41E-05	2.00E-03
4485	496363.09	3858377.25	0.04378	0.04688	0.0365	0.01936	1.77E-04	1.40E-03	2.33E-04	6.11E-05	1.87E-03	1.61E-04	1.51E-09	3.10E-06	1.67E-06	1.66E-04	2.05E-04	1.40E-03	2.33E-04	6.11E-05	1.90E-03
4486	496863.09	3858377.25	0.04569	0.04708	0.0357	0.01887	1.85E-04	1.40E-03	2.28E-04	5.96E-05	1.88E-03	1.68E-04	1.52E-09	3.04E-06	1.62E-06	1.73E-04	2.14E-04	1.40E-03	2.28E-04	5.96E-05	1.91E-03
4487	497363.09	3858377.25	0.04568	0.0459	0.0346	0.01828	1.85E-04	1.37E-03	2.21E-04	5.77E-05	1.83E-03	1.68E-04	1.48E-09	2.95E-06	1.57E-06	1.72E-04	2.14E-04	1.37E-03	2.21E-04	5.77E-05	1.86E-03
4488	497863.09	3858377.25	0.04994	0.04857	0.035	0.01819	2.02E-04	1.45E-03	2.23E-04	5.74E-05	1.93E-03	1.84E-04	1.57E-09	2.98E-06	1.57E-06	1.88E-04	2.34E-04	1.45E-03	2.23E-04	5.74E-05	1.96E-03
4489	498363.09	3858377.25	0.05512	0.05331	0.0365	0.01851	2.23E-04	1.59E-03	2.33E-04	5.84E-05	2.10E-03	2.03E-04	1.72E-09	3.10E-06	1.59E-06	2.07E-04	2.58E-04	1.59E-03	2.33E-04	5.84E-05	2.14E-03
4490	471363.09	3858877.25	0.00926	0.00723	0.0037	0.00341	3.74E-05	2.16E-04	2.34E-05	1.08E-05	2.87E-04	3.40E-05	2.33E-10	3.12E-07	2.94E-07	3.47E-05	4.33E-05	2.16E-04	2.34E-05	1.08E-05	2.93E-04
4491	471863.09	3858877.25	0.00965	0.00732	0.0038	0.00356	3.90E-05	2.18E-04	2.44E-05	1.12E-05	2.93E-04	3.55E-05	2.36E-10	3.25E-07	3.07E-07	3.61E-05	4.51E-05	2.18E-04	2.44E-05	1.12E-05	2.99E-04
4492	472363.09	3858877.25	0.01035	0.00798	0.004	0.00372	4.18E-05	2.38E-04	2.55E-05	1.17E-05	3.17E-04	3.81E-05	2.57E-10	3.39E-07	3.20E-07	3.87E-05	4.84E-05	2.38E-04	2.55E-05	1.17E-05	3.24E-04
4493	472863.09	3858877.25	0.01108	0.00854	0.0042	0.00387	4.48E-05	2.55E-04	2.65E-05	1.22E-05	3.38E-04	4.07E-05	2.75E-10	3.54E-07	3.33E-07	4.14E-05	5.18E-05	2.55E-04	2.65E-05	1.22E-05	3.45E-04
4494	473363.09	3858877.25	0.01211	0.00971	0.0043	0.00399	4.90E-05	2.90E-04	2.74E-05	1.26E-05	3.79E-04	4.45E-05	3.13E-10	3.66E-07	3.44E-07	4.52E-05	5.66E-05	2.90E-04	2.74E-05	1.26E-05	3.86E-04
4495	473863.09	3858877.25	0.01277	0.00952	0.0046	0.00416	5.16E-05	2.84E-04	2.90E-05	1.31E-05	3.78E-04	4.69E-05	3.07E-10	3.87E-07	3.58E-07	4.77E-05	5.97E-05	2.84E-04	2.90E-05	1.31E-05	3.86E-04
4496	474363.09	3858877.25	0.01257	0.00802	0.0052	0.00453	5.08E-05	2.39E-04	3.28E-05	1.43E-05	3.37E-04	4.62E-05	2.58E-10	4.38E-07	3.90E-07	4.70E-05	5.88E-05	2.39E-04	3.28E-05	1.43E-05	3.45E-04
4497	474863.09	3858877.25	0.00638	0.00415	0.0036	0.00371	2.58E-05	1.24E-04	2.28E-05	1.17E-05	1.84E-04	2.35E-05	1.34E-10	3.04E-07	3.19E-07	2.41E-05	2.98E-05	1.24E-04	2.28E-05	1.17E-05	1.88E-04
4498	475363.09	3858877.25	0.00456	0.00352	0.0033	0.0038	1.84E-05	1.05E-04	2.10E-05	1.20E-05	1.56E-04	1.68E-05	1.13E-10	2.80E-07	3.27E-07	1.74E-05	2.13E-05	1.05E-04	2.10E-05	1.20E-05	1.59E-04
4499	475863.09	3858877.25	0.0053	0.00392	0.0035	0.00402	2.14E-05	1.17E-04	2.23E-05	1.27E-05	1.73E-04	1.95E-05	1.26E-10	2.98E-07	3.46E-07	2.01E-05	2.48E-05	1.17E-04	2.23E-05	1.27E-05	1.77E-04
4500	476363.09	3858877.25	0.00317	0.00304	0.0032	0.00404	1.28E-05	9.07E-05	2.03E-05	1.28E-05	1.37E-04	1.17E-05	9.80E-11	2.71E-07	3.48E-07	1.23E-05	1.48E-05	9.07E-05	2.03E-05	1.28E-05	1.39E-04
4501	476863.09	3858877.25	0.00407	0.00358	0.0035	0.00431	1.65E-05	1.07E-04	2.26E-05	1.36E-05	1.59E-04	1.50E-05	1.15E-10	3.01E-07	3.71E-07	1.56E-05	1.90E-05	1.07E-04	2.26E-05	1.36E-05	1.62E-04
4502	477363.09	3858877.25	0.00432	0.00377	0.0036	0.00452	1.75E-05	1.12E-04	2.29E-05	1.43E-05	1.67E-04	1.59E-05	1.22E-10	3.05E-07	3.89E-07	1.66E-05	2.02E-05	1.12E-04	2.29E-05	1.43E-05	1.70E-04
4503	477863.09	3858877.25	0.0057	0.00447	0.0039	0.00481	2.30E-05	1.33E-04	2.47E-05	1.52E-05	1.96E-04	2.10E-05	1.44E-10	3.30E-07	4.14E-07	2.17E-05	2.67E-05	1.33E-04	2.47E-05	1.52E-05	2.00E-04
4504	478363.09	3858877.25	0.01352	0.00751	0.0061	0.00568	5.47E-05	2.24E-04	3.88E-05	1.79E-05	3.35E-04	4.97E-05	2.42E-10	5.17E-07	4.89E-07	5.07E-05	6.32E-05	2.24E-04	3.88E-05	1.79E-05	3.44E-04
4505	478863.09	3858877.25	0.01114	0.00687	0.0054	0.00569	4.50E-05	2.05E-04	3.47E-05	1.80E-05	3.03E-04	4.10E-05	2.21E-10	4.63E-07	4.90E-07	4.19E-05	5.21E-05	2.05E-04	3.47E-05	1.80E-05	3.10E-04
4506	479363.09	3858877.25	0.00874	0.00611	0.0047	0.00575	3.53E-05	1.82E-04	2.99E-05	1.82E-05	2.66E-04	3.21E-05	1.97E-10	3.99E-07	4.95E-07	3.30E-05	4.09E-05	1.82E-04	2.99E-05	1.82E-05	2.71E-04
4507	479863.09	3858877.25	0.03614	0.0252	0.0078	0.00736	1.46E-04	7.52E-04	4.94E-05	2.32E-05	9.71E-04	1.33E-04	8.12E-10	6.59E-07	6.34E-07	1.34E-04	1.69E-04	7.52E-04	4.94E-05	2.32E-05	9.93E-04
4508	480363.09	3858877.25	0.04032	0.03205	0.0073	0.00747	1.63E-04	9.56E-04	4.66E-05	2.36E-05	1.19E-03	1.48E-04	1.03E-09	6.22E-07	6.43E-07	1.50E-04	1.89E-04	9.56E-04	4.66E-05	2.36E-05	1.21E-03
4509	480863.09	3858877.25	0.04432	0.0381	0.0072	0.00762	1.79E-04	1.14E-03	4.57E-05	2.41E-05	1.39E-03	1.63E-04	1.23E-09	6.09E-07	6.56E-07	1.64E-04	2.07E-04	1.14E-03	4.57E-05	2.41E-05	1.41E-03
4510	481363.09	3858877.25	0.04888	0.04298	0.0074	0.00801	1.98E-04	1.28E-03	4.74E-05	2.53E-05	1.55E-03	1.80E-04	1.39E-09	6.32E-07	6.90E-07	1.81E-04	2.29E-04	1.28E-03	4.74E-05	2.53E-05	1.58E-03

4511	481863.09	3858877.25	0.05435	0.04919	0.0078	0.00841	2.20E-04	1.47E-03	4.97E-05	2.66E-05	1.76E-03	2.00E-04	1.59E-09	6.63E-07	7.24E-07	2.01E-04	2.54E-04	1.47E-03	4.97E-05	2.66E-05	1.80E-03
4512	482363.09	3858877.25	0.0605	0.05354	0.0084	0.00922	2.45E-04	1.60E-03	5.38E-05	2.91E-05	1.92E-03	2.22E-04	1.73E-09	7.18E-07	7.94E-07	2.24E-04	2.83E-04	1.60E-03	5.38E-05	2.91E-05	1.96E-03
4513	482863.09	3858877.25	0.06788	0.06338	0.0092	0.00949	2.74E-04	1.89E-03	5.85E-05	3.00E-05	2.25E-03	2.50E-04	2.04E-09	7.80E-07	8.17E-07	2.51E-04	3.17E-04	1.89E-03	5.85E-05	3.00E-05	2.30E-03
4514	483363.09	3858877.25	0.06945	0.09893	0.01	0.01013	2.81E-04	2.95E-03	6.39E-05	3.20E-05	3.33E-03	2.55E-04	3.19E-09	8.52E-07	8.72E-07	2.57E-04	3.25E-04	2.95E-03	6.39E-05	3.20E-05	3.37E-03
4515	483863.09	3858877.25	0.07377	0.11491	0.0113	0.01114	2.98E-04	3.43E-03	7.22E-05	3.52E-05	3.83E-03	2.71E-04	3.70E-09	9.63E-07	9.59E-07	2.73E-04	3.45E-04	3.43E-03	7.22E-05	3.52E-05	3.88E-03
4516	484363.09	3858877.25	0.08043	0.13591	0.0131	0.0126	3.25E-04	4.05E-03	8.36E-05	3.98E-05	4.50E-03	2.96E-04	4.38E-09	1.11E-06	1.08E-06	2.98E-04	3.76E-04	4.05E-03	8.36E-05	3.98E-05	4.55E-03
4517	484863.09	3858877.25	0.08633	0.16711	0.0151	0.01426	3.49E-04	4.99E-03	9.61E-05	4.50E-05	5.48E-03	3.17E-04	5.39E-09	1.28E-06	1.23E-06	3.20E-04	4.04E-04	4.99E-03	9.61E-05	4.50E-05	5.53E-03
4518	485363.09	3858877.25	0.08998	0.22329	0.0169	0.01698	3.64E-04	6.66E-03	1.08E-04	5.36E-05	7.19E-03	3.31E-04	7.20E-09	1.43E-06	1.46E-06	3.34E-04	4.21E-04	6.66E-03	1.08E-04	5.36E-05	7.24E-03
4519	485863.09	3858877.25	0.09254	0.35842	0.0188	0.02332	3.74E-04	1.07E-02	1.20E-04	7.36E-05	1.13E-02	3.40E-04	1.16E-08	1.59E-06	2.01E-06	3.44E-04	4.33E-04	1.07E-02	1.20E-04	7.36E-05	1.13E-02
4520	486363.09	3858877.25	0.0904	1.83562	0.0206	0.03462	3.65E-04	5.48E-02	1.32E-04	1.09E-04	5.54E-02	3.32E-04	5.92E-08	1.75E-06	2.98E-06	3.37E-04	4.23E-04	5.48E-02	1.32E-04	1.09E-04	5.54E-02
4521	486863.09	3858877.25	0.08862	2.66633	0.0208	0.08183	3.58E-04	7.95E-02	1.33E-04	2.58E-04	8.03E-02	3.26E-04	8.59E-08	1.77E-06	7.05E-06	3.35E-04	4.14E-04	7.95E-02	1.33E-04	2.58E-04	8.04E-02
4522	487363.09	3858877.25	0.09424	2.71227	0.0189	0.24125	3.81E-04	8.09E-02	1.20E-04	7.62E-04	8.22E-02	3.46E-04	8.74E-08	1.61E-06	2.08E-05	3.69E-04	4.41E-04	8.09E-02	1.20E-04	7.62E-04	8.22E-02
4523	487863.09	3858877.25	0.09781	1.31351	0.0197	0.14493	3.95E-04	3.92E-02	1.26E-04	4.58E-04	4.02E-02	3.60E-04	4.23E-08	1.68E-06	1.25E-05	3.74E-04	4.57E-04	3.92E-02	1.26E-04	4.58E-04	4.02E-02
4524	488363.09	3858877.25	0.10346	2.24839	0.02	0.10885	4.18E-04	6.71E-02	1.28E-04	3.44E-04	6.80E-02	3.80E-04	7.25E-08	1.70E-06	9.37E-06	3.92E-04	4.84E-04	6.71E-02	1.28E-04	3.44E-04	6.80E-02
4525	488863.09	3858877.25	0.10824	1.06579	0.0284	0.09227	4.38E-04	3.18E-02	1.81E-04	2.91E-04	3.27E-02	3.98E-04	3.44E-08	2.42E-06	7.95E-06	4.08E-04	5.06E-04	3.18E-02	1.81E-04	2.91E-04	3.28E-02
4526	489363.09	3858877.25	0.10212	0.71369	0.0432	0.08081	4.13E-04	2.13E-02	2.76E-04	2.55E-04	2.22E-02	3.75E-04	2.30E-08	3.68E-06	6.96E-06	3.86E-04	4.78E-04	2.13E-02	2.76E-04	2.55E-04	2.23E-02
4527	489863.09	3858877.25	0.10284	0.53962	0.0514	0.06964	4.16E-04	1.61E-02	3.28E-04	2.20E-04	1.71E-02	3.78E-04	1.74E-08	4.37E-06	6.00E-06	3.88E-04	4.81E-04	1.61E-02	3.28E-04	2.20E-04	1.71E-02
4528	490363.09	3858877.25	0.1097	0.41648	0.0541	0.06022	4.43E-04	1.24E-02	3.45E-04	1.90E-04	1.34E-02	4.03E-04	1.34E-08	4.60E-06	5.19E-06	4.13E-04	5.13E-04	1.24E-02	3.45E-04	1.90E-04	1.35E-02
4529	490863.09	3858877.25	0.11291	0.30364	0.0554	0.05344	4.56E-04	9.06E-03	3.53E-04	1.69E-04	1.00E-02	4.15E-04	9.79E-09	4.71E-06	4.60E-06	4.24E-04	5.28E-04	9.06E-03	3.53E-04	1.69E-04	1.01E-02
4530	491363.09	3858877.25	0.10511	0.2062	0.0648	0.04858	4.25E-04	6.15E-03	4.13E-04	1.53E-04	7.14E-03	3.86E-04	6.65E-09	5.51E-06	4.18E-06	3.96E-04	4.92E-04	6.15E-03	4.13E-04	1.53E-04	7.21E-03
4531	491863.09	3858877.25	0.08194	0.14141	0.0655	0.04126	3.31E-04	4.22E-03	4.18E-04	1.30E-04	5.10E-03	3.01E-04	4.56E-09	5.57E-06	3.55E-06	3.10E-04	3.83E-04	4.22E-03	4.18E-04	1.30E-04	5.15E-03
4532	492363.09	3858877.25	0.08866	0.14685	0.0635	0.03969	3.58E-04	4.38E-03	4.05E-04	1.25E-04	5.27E-03	3.26E-04	4.73E-09	5.40E-06	3.42E-06	3.35E-04	4.15E-04	4.38E-03	4.05E-04	1.25E-04	5.33E-03
4533	492863.09	3858877.25	0.09103	0.15456	0.0573	0.03672	3.68E-04	4.61E-03	3.66E-04	1.16E-04	5.46E-03	3.35E-04	4.98E-09	4.87E-06	3.16E-06	3.43E-04	4.26E-04	4.61E-03	3.66E-04	1.16E-04	5.52E-03
4534	493363.09	3858877.25	0.08439	0.13064	0.057	0.03371	3.41E-04	3.90E-03	3.63E-04	1.06E-04	4.71E-03	3.10E-04	4.21E-09	4.85E-06	2.90E-06	3.18E-04	3.95E-04	3.90E-03	3.63E-04	1.06E-04	4.76E-03
4535	493863.09	3858877.25	0.07145	0.10181	0.053	0.02934	2.89E-04	3.04E-03	3.38E-04	9.26E-05	3.76E-03	2.63E-04	3.28E-09	4.51E-06	2.53E-06	2.70E-04	3.34E-04	3.04E-03	3.38E-04	9.26E-05	3.80E-03
4536	494363.09	3858877.25	0.0663	0.09009	0.0513	0.0271	2.68E-04	2.69E-03	3.27E-04	8.56E-05	3.37E-03	2.44E-04	2.90E-09	4.36E-06	2.33E-06	2.50E-04	3.10E-04	2.69E-03	3.27E-04	8.56E-05	3.41E-03
4537	494863.09	3858877.25	0.0596	0.07836	0.044	0.02423	2.41E-04	2.34E-03	2.81E-04	7.65E-05	2.94E-03	2.19E-04	2.53E-09	3.75E-06	2.09E-06	2.25E-04	2.79E-04	2.34E-03	2.81E-04	7.65E-05	2.97E-03
4538	495363.09	3858877.25	0.05354	0.06841	0.0393	0.02207	2.16E-04	2.04E-03	2.50E-04	6.97E-05	2.58E-03	1.97E-04	2.20E-09	3.34E-06	1.90E-06	2.02E-04	2.50E-04	2.04E-03	2.50E-04	6.97E-05	2.61E-03
4539	495863.09	3858877.25	0.05061	0.06264	0.0367	0.02059	2.05E-04	1.87E-03	2.34E-04	6.50E-05	2.37E-03	1.86E-04	2.02E-09	3.12E-06	1.77E-06	1.91E-04	2.37E-04	1.87E-03	2.34E-04	6.50E-05	2.40E-03
4540	496363.09	3858877.25	0.04977	0.05948	0.0354	0.01958	2.01E-04	1.77E-03	2.26E-04	6.18E-05	2.26E-03	1.83E-04	1.92E-09	3.01E-06	1.69E-06	1.88E-04	2.33E-04	1.77E-03	2.26E-04	6.18E-05	2.29E-03
4541	496863.09	3858877.25	0.04901	0.05676	0.0342	0.01867	1.98E-04	1.69E-03	2.18E-04	5.89E-05	2.17E-03	1.80E-04	1.83E-09	2.91E-06	1.61E-06	1.85E-04	2.29E-04	1.69E-03	2.18E-04	5.89E-05	2.20E-03
4542	497363.09	3858877.25	0.04806	0.05412	0.0328	0.01783	1.94E-04	1.61E-03	2.09E-04	5.63E-05	2.07E-03	1.77E-04	1.74E-09	2.79E-06	1.54E-06	1.81E-04	2.25E-04	1.61E-03	2.09E-04	5.63E-05	2.11E-03
4543	497863.09	3858877.25	0.05282	0.0582	0.0349	0.01793	2.14E-04	1.74E-03	2.23E-04	5.66E-05	2.23E-03	1.94E-04	1.88E-09	2.97E-06	1.54E-06	1.99E-04	2.47E-04	1.74E-03	2.23E-04	5.66E-05	2.26E-03
4544	498363.09	3858877.25	0.05588	0.06274	0.0363	0.01798	2.26E-04	1.87E-03	2.31E-04	5.68E-05	2.39E-03	2.05E-04	2.02E-09	3.09E-06	1.55E-06	2.10E-04	2.61E-04	1.87E-03	2.31E-04	5.68E-05	2.42E-03
4545	471363.09	3859377.25	0.00916	0.00719	0.0042	0.00348	3.70E-05	2.15E-04	2.66E-05	1.10E-05	2.89E-04	3.37E-05	2.32E-10	3.55E-07	3.00E-07	3.43E-05	4.28E-05	2.15E-04	2.66E-05	1.10E-05	2.95E-04
4546	471863.09	3859377.25	0.00976	0.00754	0.0043	0.00359	3.95E-05	2.25E-04	2.74E-05	1.13E-05	3.03E-04	3.59E-05	2.43E-10	3.66E-07	3.09E-07	3.66E-05	4.56E-05	2.25E-04	2.74E-05	1.13E-05	3.09E-04
4547	472363.09	3859377.25	0.01058	0.00828	0.0044	0.00369	4.28E-05	2.47E-04	2.79E-05	1.17E-05	3.29E-04	3.89E-05	2.67E-10	3.72E-07	3.18E-07	3.96E-05	4.95E-05	2.47E-04	2.79E-05	1.17E-05	3.36E-04
4548	472863.09	3859377.25	0.01139	0.00888	0.0045	0.00378	4.60E-05	2.65E-04	2.84E-05	1.19E-05	3.51E-04	4.19E-05	2.86E-10	3.78E-07	3.25E-07	4.26E-05	5.33E-05	2.65E-04	2.84E-05	1.19E-05	3.59E-04
4549	473363.09	3859377.25	0.01229	0.00973	0.0045	0.00388	4.97E-05	2.90E-04	2.86E-05	1.23E-05	3.81E-04	4.52E-05	3.14E-10	3.81E-07	3.34E-07	4.59E-05	5.75E-05	2.90E-04	2.86E-05	1.23E-05	3.89E-04
4550	473863.09	3859377.25	0.01307	0.01004	0.0046	0.00403	5.28E-05	3.00E-04	2.96E-05	1.27E-05	3.95E-04	4.81E-05	3.24E-10	3.95E-07	3.47E-07	4.88E-05	6.11E-05	3.00E-04	2.96E-05	1.27E-05	4.03E-04
4551	474363.09	3859377.25	0.0128	0.00817	0.0057	0.0044	5.17E-05	2.44E-04	3.65E-05	1.39E-05	3.46E-04	4.71E-05	2.63E-10	4.86E-07	3.79E-07	4.79E-05	5.99E-05	2.44E-04	3.65E-05	1.39E-05	3.54E-04
4552	474863.09	3859377.25	0.01013	0.00578	0.0048	0.00413	4.09E-05	1.72E-04	3.05E-05	1.30E-05	2.57E-04	3.72E-05	1.86E-10	4.07E-07	3.56E-07	3.80E-05	4.74E-05	1.72E-04	3.05E-05	1.30E-05	2.63E-04
4553	475363.09	3859377.25	0.00649	0.0042	0.0033	0.00387	2.62E-05	1.25E-04	2.09E-05	1.22E-05	1.85E-04	2.39E-05	1.35E-10	2.78E-07	3.33E-07	2.45E-05	3.04E-05	1.25E-04	2.09E-05	1.22E-05	1.89E-04
4554	475863.09	3859377.25	0.00399	0.00327	0.0029	0.00384	1.61E-05	9.76E-05	1.84E-05	1.21E-05	1.44E-04	1.47E-05	1.05E-10	2.46E-07	3.31E-07	1.52E-05	1.87E-05	9.76E-05	1.84E-05	1.21E-05	1.47E-04
4555	476363.09	3859377.25	0.00359	0.00311	0.003	0.00391	1.45E-05	9.28E-05	1.88E-05	1.23E-05	1.38E-04	1.32E-05	1.00E-10	2.51E-07	3.37E-07	1.38E-05	1.68E-05	9.28E-05	1.88E-05	1.23E-05	1.41E-04
4556	476863.09	3859377.25	0.00287	0.00279	0.003	0.00398	1.16E-05	8.32E-05	1.89E-05	1.26E-05	1.26E-04	1.06E-05	8.99E-11	2.53E-07	3.43E-07	1.11E-05	1.34E-05	8.32E-05	1.89E-05	1.26E-05	1.28E-04
4557	477363.09	3859377.25	0.0032	0.00302	0.0031	0.00415	1.29E-05	9.01E-05	1.99E-05	1.31E-05	1.36E-04	1.18E-05	9.73E-11	2.65E-07	3.57E-07	1.24E-05	1.50E-05	9.01E-05	1.99E-05	1.31E-05	1.38E-04
4558	477863.09	3859377.25	0.00668	0.00462	0.0036	0.00461	2.70E-05	1.38E-04	2.28E-05	1.46E-05	2.02E-04	2.46E-05	1.49E-10	3.04E-07	3.97E-07	2.53E-05	3.12E-05	1.38E-04	2.28E-05	1.46E-05	2.06E-04
4559	478363.09	3859377.25	0.01168	0.00658	0.0051	0.00526	4.72E-05	1.96E-04	3.23E-05	1.66E-05	2.92E-04	4.29E-05	2.12E-10	4.31E-07	4.53E-07	4.38E-05	5.46E-05	1.96E-04	3.23E-05	1.66E-05	3.00E-04
4560	478863.09	3859377.25	0.02005	0.00996	0.0086	0.00629	8.10E-05	2.97E-04	5.46E-05	1.99E-05	4.53E-04	7.37E-05	3.21E-10	7.28E-07	5.42E-07	7.50E-05	9.38E-05	2.97E-04	5.46E-05	1.99E-05	4.65E-04
4561	479363.09	3859377.25	0.02742	0.01479	0.0097	0.00696	1.11E-04	4.41E-04	6.19E-05	2.20E-05	6.36E-04	1.01E-04	4.77E-10	8.26E-07	5.99E-07	1.02E-04	1.28E-04	4.41E-04	6.19E-05	2.20E-05	6.53E-04
4562	479863.09	3859377.25	0.0325	0.02118	0.0084	0.00715	1.31E-04	6.32E-04	5.38E-05	2.26E-05	8.40E-04	1.19E-04	6.83E-10	7.17E-07	6.16E-07	1.21E-04	1.52E-04	6.32E-04	5.38E-05	2.26E-05	8.60E-04
4563	480363.09	3859377.25	0.03605	0.02933	0.0073	0.00699	1.46E-04	8.75E-04	4.62E-05	2.21E-05	1.09E-03	1.33E-04	9.45E-10	6.17E-07	6.02E-07	1.34E-04	1.69E-04	8.75E-04	4.62E-05	2.21E-05	1.11E-03
4564	480863.09	3859377.25	0.03924	0.03612	0.0073	0.00691	1.59E-04	1.08E-03	4.67E-05	2.18E-05	1.30E-03	1.44E-04	1.16E-09	6.23E-07	5.95E-07	1.45E-04	1.84E-04	1.08E-03	4.67E-05	2.18E-05	1.33E-03
4565	481363.09	3859377.25	0.04293	0.04193	0.0081	0.00703	1.74E-04	1.25E-03	5.15E-05	2.22E-05	1.50E-03	1.58E-04	1.35E-09	6.87E-07	6.05E-07	1.59E-04	2.01E-04	1.25E-03	5.15E-05	2.22E-05	1.53E-03
4566	481863.09	3859377.25	0.04685	0.04781	0.0091	0.00747	1.89E-04	1.43E-03	5.79E-05	2.36E-05	1.70E-03	1.72E-04	1.54E-09	7.72E-07	6.43E-07	1.74E-04	2.19E-04	1.43E-03	5.79E-05	2.36E-05	1.73E-03
4567	482363.09	3859377.25	0.05126	0.05287	0.0102	0.00773	2.07E-04	1.58E-03	6.52E-05	2.44E-05	1.87E-03	1.88E-04	1.70E-09	8.69E-07	6.66E-07	1.90E-04	2.40E-04	1.58E-03	6.52E-05	2.44E-05	1.91E-03
4568	482863.09	3859377.25	0.05543	0.06272	0.0112	0.00829	2.24E-04	1.87E-03	7.14E-05	2.62E-05	2.19E-03	2.04E-04	2.02E-09	9.52E-07	7.14E-07	2.05E-04	2.59E-04	1.87E-03	7.14E-05	2.62E-05	2.23E-03
4569	483363.09	3859377.25	0.05878	0.08097	0.0121	0.00872	2.38E-04	2.42E-03	7.69E-05	2.75E-05	2.76E-03	2.16E-04	2.61E-09	1.03E-06	7.51E-07	2.18E-04	2.75E-04	2.42E-03	7.69E-05	2.75E-05	2.79E-03
4570	483863.09	3859377.25	0.06062	0.09894	0.0125	0.0099	2.45E-04	2.95E-03	7.98E-05	3.13E-05	3.31E-03	2.23E-04	3.19E-09	1.06E-06	8.52E-07	2.25E-04	2.83E-04	2.95E-03	7.98E-05	3.13E-05	3.35E-03
4571	484363.09	3859377.25	0.06484	0.11676	0.0133	0.01095	2.62E-04	3.48E-03	8.51E-05	3.46E-05	3.87E-03	2.38E-04	3.76E-09	1.13E-06	9.43E-07	2.40E-04	3.03E-04	3.48E-03	8.51E-05	3.46E-05	3.91E-03

4572	484863.09	3859377.25	0.06855	0.14213	0.0142	0.01246	2.77E-04	4.24E-03	9.08E-05	3.93E-05	4.65E-03	2.52E-04	4.58E-09	1.21E-06	1.07E-06	2.54E-04	3.21E-04	4.24E-03	9.08E-05	3.93E-05	4.69E-03
4573	485363.09	3859377.25	0.06893	0.1841	0.0153	0.01493	2.79E-04	5.49E-03	9.77E-05	4.71E-05	5.92E-03	2.53E-04	5.93E-09	1.30E-06	1.29E-06	2.56E-04	3.22E-04	5.49E-03	9.77E-05	4.71E-05	5.96E-03
4574	485863.09	3859377.25	0.06797	0.26123	0.016	0.01831	2.75E-04	7.79E-03	1.02E-04	5.78E-05	8.23E-03	2.50E-04	8.42E-09	1.36E-06	1.58E-06	2.53E-04	3.18E-04	7.79E-03	1.02E-04	5.78E-05	8.27E-03
4575	486363.09	3859377.25	0.06745	0.43223	0.0148	0.02602	2.73E-04	1.29E-02	9.43E-05	8.22E-05	1.33E-02	2.48E-04	1.39E-08	1.26E-06	2.24E-06	2.51E-04	3.15E-04	1.29E-02	9.43E-05	8.22E-05	1.34E-02
4576	486863.09	3859377.25	0.06554	1.76823	0.0125	0.04504	2.65E-04	5.28E-02	7.99E-05	1.42E-04	5.32E-02	2.41E-04	5.70E-08	1.06E-06	3.88E-06	2.46E-04	3.07E-04	5.28E-02	7.99E-05	1.42E-04	5.33E-02
4577	487363.09	3859377.25	0.06781	2.31288	0.0107	0.07528	2.74E-04	6.90E-02	6.80E-05	2.38E-04	6.96E-02	2.49E-04	7.45E-08	9.07E-07	6.48E-06	2.57E-04	3.17E-04	6.90E-02	6.80E-05	2.38E-04	6.96E-02
4578	487863.09	3859377.25	0.07033	2.47673	0.0116	0.09868	2.84E-04	7.39E-02	7.39E-05	3.12E-04	7.46E-02	2.59E-04	7.98E-08	9.86E-07	8.50E-06	2.68E-04	3.29E-04	7.39E-02	7.39E-05	3.12E-04	7.46E-02
4579	488363.09	3859377.25	0.07402	2.89733	0.0115	0.16613	2.99E-04	8.64E-02	7.31E-05	5.25E-04	8.73E-02	2.72E-04	9.34E-08	9.75E-07	1.43E-05	2.88E-04	3.46E-04	8.64E-02	7.31E-05	5.25E-04	8.74E-02
4580	488863.09	3859377.25	0.07723	1.89509	0.0138	0.19832	3.12E-04	5.65E-02	8.80E-05	6.26E-04	5.76E-02	2.84E-04	6.11E-08	1.17E-06	1.71E-05	3.02E-04	3.61E-04	5.65E-02	8.80E-05	6.26E-04	5.76E-02
4581	489363.09	3859377.25	0.08074	0.93274	0.018	0.13865	3.26E-04	2.78E-02	1.15E-04	4.38E-04	2.87E-02	2.97E-04	3.01E-08	1.53E-06	1.19E-05	3.10E-04	3.78E-04	2.78E-02	1.15E-04	4.38E-04	2.88E-02
4582	489863.09	3859377.25	0.0762	0.64573	0.0226	0.09536	3.08E-04	1.93E-02	1.44E-04	3.01E-04	2.00E-02	2.80E-04	2.08E-08	1.92E-06	8.21E-06	2.90E-04	3.56E-04	1.93E-02	1.44E-04	3.01E-04	2.01E-02
4583	490363.09	3859377.25	0.07464	0.48371	0.026	0.07145	3.02E-04	1.44E-02	1.66E-04	2.26E-04	1.51E-02	2.74E-04	1.56E-08	2.21E-06	6.15E-06	2.83E-04	3.49E-04	1.44E-02	1.66E-04	2.26E-04	1.52E-02
4584	490863.09	3859377.25	0.0782	0.34586	0.0278	0.05825	3.16E-04	1.03E-02	1.77E-04	1.84E-04	1.10E-02	2.88E-04	1.11E-08	2.36E-06	5.02E-06	2.95E-04	3.66E-04	1.03E-02	1.77E-04	1.84E-04	1.10E-02
4585	491363.09	3859377.25	0.07823	0.21326	0.0322	0.05123	3.16E-04	6.36E-03	2.05E-04	1.62E-04	7.05E-03	2.88E-04	6.87E-09	2.74E-06	4.41E-06	2.95E-04	3.66E-04	6.36E-03	2.05E-04	1.62E-04	7.10E-03
4586	491863.09	3859377.25	0.08292	0.22847	0.0324	0.0433	3.35E-04	6.82E-03	2.07E-04	1.37E-04	7.49E-03	3.05E-04	7.36E-09	2.76E-06	3.73E-06	3.11E-04	3.88E-04	6.82E-03	2.07E-04	1.37E-04	7.55E-03
4587	492363.09	3859377.25	0.08093	0.20125	0.0338	0.03823	3.27E-04	6.00E-03	2.15E-04	1.21E-04	6.67E-03	2.98E-04	6.49E-09	2.87E-06	3.29E-06	3.04E-04	3.78E-04	6.00E-03	2.15E-04	1.21E-04	6.72E-03
4588	492863.09	3859377.25	0.07768	0.18283	0.0345	0.03427	3.14E-04	5.45E-03	2.20E-04	1.08E-04	6.10E-03	2.86E-04	5.89E-09	2.93E-06	2.95E-06	2.91E-04	3.63E-04	5.45E-03	2.20E-04	1.08E-04	6.15E-03
4589	493363.09	3859377.25	0.07308	0.15155	0.0371	0.03145	2.95E-04	4.52E-03	2.36E-04	9.93E-05	5.15E-03	2.69E-04	4.88E-09	3.15E-06	2.71E-06	2.75E-04	3.42E-04	4.52E-03	2.36E-04	9.93E-05	5.20E-03
4590	493863.09	3859377.25	0.07021	0.13705	0.0368	0.02902	2.84E-04	4.09E-03	2.34E-04	9.16E-05	4.70E-03	2.58E-04	4.42E-09	3.13E-06	2.50E-06	2.64E-04	3.28E-04	4.09E-03	2.34E-04	9.16E-05	4.74E-03
4591	494363.09	3859377.25	0.06672	0.11897	0.0369	0.02674	2.70E-04	3.55E-03	2.35E-04	8.44E-05	4.14E-03	2.45E-04	3.83E-09	3.13E-06	2.30E-06	2.51E-04	3.12E-04	3.55E-03	2.35E-04	8.44E-05	4.18E-03
4592	494863.09	3859377.25	0.06037	0.09594	0.0364	0.02409	2.44E-04	2.86E-03	2.32E-04	7.61E-05	3.41E-03	2.22E-04	3.09E-09	3.09E-06	2.07E-06	2.27E-04	2.82E-04	2.86E-03	2.32E-04	7.61E-05	3.45E-03
4593	495363.09	3859377.25	0.05772	0.08776	0.035	0.02237	2.33E-04	2.62E-03	2.23E-04	7.06E-05	3.15E-03	2.12E-04	2.83E-09	2.97E-06	1.93E-06	2.17E-04	2.70E-04	2.62E-03	2.23E-04	7.06E-05	3.18E-03
4594	495863.09	3859377.25	0.05411	0.07807	0.0334	0.02055	2.19E-04	2.33E-03	2.13E-04	6.49E-05	2.83E-03	1.99E-04	2.52E-09	2.84E-06	1.77E-06	2.04E-04	2.53E-04	2.33E-03	2.13E-04	6.49E-05	2.86E-03
4595	496363.09	3859377.25	0.05345	0.07454	0.0331	0.01952	2.16E-04	2.22E-03	2.11E-04	6.16E-05	2.71E-03	1.97E-04	2.40E-09	2.82E-06	1.68E-06	2.01E-04	2.50E-04	2.22E-03	2.11E-04	6.16E-05	2.75E-03
4596	496863.09	3859377.25	0.04906	0.06481	0.0311	0.01781	1.98E-04	1.93E-03	1.98E-04	5.62E-05	2.39E-03	1.80E-04	2.09E-09	2.65E-06	1.53E-06	1.85E-04	2.29E-04	1.93E-03	1.98E-04	5.62E-05	2.42E-03
4597	497363.09	3859377.25	0.05023	0.06516	0.032	0.01739	2.03E-04	1.94E-03	2.04E-04	5.49E-05	2.41E-03	1.85E-04	2.10E-09	2.72E-06	1.50E-06	1.89E-04	2.35E-04	1.94E-03	2.04E-04	5.49E-05	2.44E-03
4598	497863.09	3859377.25	0.0522	0.06939	0.0325	0.01726	2.11E-04	2.07E-03	2.07E-04	5.45E-05	2.54E-03	1.92E-04	2.24E-09	2.76E-06	1.49E-06	1.96E-04	2.44E-04	2.07E-03	2.07E-04	5.45E-05	2.58E-03
4599	498363.09	3859377.25	0.0522	0.07188	0.0313	0.01668	2.11E-04	2.14E-03	1.99E-04	5.27E-05	2.61E-03	1.92E-04	2.32E-09	2.66E-06	1.44E-06	1.96E-04	2.44E-04	2.14E-03	1.99E-04	5.27E-05	2.64E-03
4600	471363.09	3859877.25	0.00957	0.00769	0.0037	0.00337	3.87E-05	2.29E-04	2.33E-05	1.06E-05	3.02E-04	3.52E-05	2.48E-10	3.11E-07	2.90E-07	3.58E-05	4.48E-05	2.29E-04	2.33E-05	1.06E-05	3.08E-04
4601	471863.09	3859877.25	0.01021	0.00819	0.0037	0.00345	4.13E-05	2.44E-04	2.34E-05	1.09E-05	3.20E-04	3.75E-05	2.64E-10	3.12E-07	2.97E-07	3.81E-05	4.77E-05	2.44E-04	2.34E-05	1.09E-05	3.26E-04
4602	472363.09	3859877.25	0.01084	0.00857	0.0037	0.00356	4.38E-05	2.56E-04	2.37E-05	1.12E-05	3.34E-04	3.99E-05	2.76E-10	3.16E-07	3.07E-07	4.05E-05	5.07E-05	2.56E-04	2.37E-05	1.12E-05	3.41E-04
4603	472863.09	3859877.25	0.01162	0.00942	0.0037	0.00368	4.70E-05	2.81E-04	2.34E-05	1.16E-05	3.63E-04	4.27E-05	3.04E-10	3.12E-07	3.17E-07	4.34E-05	5.43E-05	2.81E-04	2.34E-05	1.16E-05	3.70E-04
4604	473363.09	3859877.25	0.01241	0.0103	0.0037	0.00381	5.02E-05	3.07E-04	2.33E-05	1.20E-05	3.93E-04	4.56E-05	3.32E-10	3.11E-07	3.28E-07	4.63E-05	5.80E-05	3.07E-04	2.33E-05	1.20E-05	4.01E-04
4605	473863.09	3859877.25	0.0132	0.01097	0.0037	0.00397	5.34E-05	3.27E-04	2.37E-05	1.25E-05	4.17E-04	4.85E-05	3.54E-10	3.16E-07	3.42E-07	4.92E-05	6.17E-05	3.27E-04	2.37E-05	1.25E-05	4.25E-04
4606	474363.09	3859877.25	0.01335	0.00934	0.0053	0.0045	5.40E-05	2.79E-04	3.35E-05	1.42E-05	3.80E-04	4.91E-05	3.01E-10	4.46E-07	3.87E-07	4.99E-05	6.24E-05	2.79E-04	3.35E-05	1.42E-05	3.89E-04
4607	474863.09	3859877.25	0.01255	0.0074	0.0057	0.00446	5.07E-05	2.21E-04	3.65E-05	1.41E-05	3.22E-04	4.61E-05	2.39E-10	4.86E-07	3.84E-07	4.70E-05	5.87E-05	2.21E-04	3.65E-05	1.41E-05	3.30E-04
4608	475363.09	3859877.25	0.00826	0.00472	0.0036	0.00387	3.34E-05	1.41E-04	2.31E-05	1.22E-05	2.10E-04	3.04E-05	1.52E-10	3.08E-07	3.33E-07	3.10E-05	3.86E-05	1.41E-04	2.31E-05	1.22E-05	2.15E-04
4609	475863.09	3859877.25	0.00393	0.00305	0.0029	0.00367	1.59E-05	9.10E-05	1.82E-05	1.16E-05	1.37E-04	1.44E-05	9.83E-11	2.42E-07	3.16E-07	1.50E-05	1.84E-05	9.10E-05	1.82E-05	1.16E-05	1.39E-04
4610	476363.09	3859877.25	0.00225	0.00225	0.0028	0.00355	9.09E-06	6.71E-05	1.79E-05	1.12E-05	1.05E-04	8.27E-06	7.25E-11	2.38E-07	3.06E-07	8.82E-06	1.05E-05	6.71E-05	1.79E-05	1.12E-05	1.07E-04
4611	476863.09	3859877.25	0.00267	0.00255	0.0032	0.00376	1.08E-05	7.61E-05	2.02E-05	1.19E-05	1.19E-04	9.82E-06	8.22E-11	2.69E-07	3.24E-07	1.04E-05	1.25E-05	7.61E-05	2.02E-05	1.19E-05	1.21E-04
4612	477363.09	3859877.25	0.00294	0.00273	0.0034	0.00393	1.19E-05	8.14E-05	2.19E-05	1.24E-05	1.28E-04	1.08E-05	8.80E-11	2.92E-07	3.38E-07	1.14E-05	1.37E-05	8.14E-05	2.19E-05	1.24E-05	1.29E-04
4613	477863.09	3859877.25	0.0059	0.00412	0.0039	0.00438	2.38E-05	1.23E-04	2.51E-05	1.38E-05	1.86E-04	2.17E-05	1.33E-10	3.35E-07	3.77E-07	2.24E-05	2.76E-05	1.23E-04	2.51E-05	1.38E-05	1.89E-04
4614	478363.09	3859877.25	0.01169	0.00635	0.0062	0.00503	4.73E-05	1.89E-04	3.98E-05	1.59E-05	2.92E-04	4.30E-05	2.05E-10	5.31E-07	4.33E-07	4.39E-05	5.47E-05	1.89E-04	3.98E-05	1.59E-05	3.00E-04
4615	478863.09	3859877.25	0.01929	0.00984	0.0109	0.00599	7.80E-05	2.94E-04	6.95E-05	1.89E-05	4.60E-04	7.09E-05	3.17E-10	9.27E-07	5.16E-07	7.24E-05	9.02E-05	2.94E-04	6.95E-05	1.89E-05	4.72E-04
4616	479363.09	3859877.25	0.02596	0.01584	0.0112	0.00674	1.05E-04	4.73E-04	7.15E-05	2.13E-05	6.70E-04	9.54E-05	5.11E-10	9.53E-07	5.80E-07	9.70E-05	1.21E-04	4.73E-04	7.15E-05	2.13E-05	6.87E-04
4617	479863.09	3859877.25	0.02945	0.02248	0.0093	0.00663	1.19E-04	6.71E-04	5.94E-05	2.09E-05	8.70E-04	1.08E-04	7.25E-10	7.92E-07	5.71E-07	1.10E-04	1.38E-04	6.71E-04	5.94E-05	2.09E-05	8.89E-04
4618	480363.09	3859877.25	0.03212	0.02985	0.0085	0.00617	1.30E-04	8.91E-04	5.43E-05	1.95E-05	1.09E-03	1.18E-04	9.62E-10	7.24E-07	5.31E-07	1.19E-04	1.50E-04	8.91E-04	5.43E-05	1.95E-05	1.11E-03
4619	480863.09	3859877.25	0.03476	0.03546	0.0089	0.00617	1.41E-04	1.06E-03	5.70E-05	1.95E-05	1.27E-03	1.28E-04	1.14E-09	7.59E-07	5.31E-07	1.29E-04	1.63E-04	1.06E-03	5.70E-05	1.95E-05	1.30E-03
4620	481363.09	3859877.25	0.03712	0.04057	0.0094	0.00636	1.50E-04	1.21E-03	6.01E-05	2.01E-05	1.44E-03	1.36E-04	1.31E-09	8.02E-07	5.48E-07	1.38E-04	1.74E-04	1.21E-03	6.01E-05	2.01E-05	1.46E-03
4621	481863.09	3859877.25	0.03976	0.04561	0.01	0.00666	1.61E-04	1.36E-03	6.35E-05	2.10E-05	1.61E-03	1.46E-04	1.47E-09	8.46E-07	5.73E-07	1.48E-04	1.86E-04	1.36E-03	6.35E-05	2.10E-05	1.63E-03
4622	482363.09	3859877.25	0.04329	0.05159	0.0104	0.00698	1.75E-04	1.54E-03	6.64E-05	2.20E-05	1.80E-03	1.59E-04	1.66E-09	8.85E-07	6.01E-07	1.61E-04	2.02E-04	1.54E-03	6.64E-05	2.20E-05	1.83E-03
4623	482863.09	3859877.25	0.047	0.05888	0.0108	0.00746	1.90E-04	1.76E-03	6.90E-05	2.36E-05	2.04E-03	1.73E-04	1.90E-09	9.20E-07	6.42E-07	1.74E-04	2.20E-04	1.76E-03	6.90E-05	2.36E-05	2.07E-03
4624	483363.09	3859877.25	0.05056	0.06782	0.0112	0.00791	2.04E-04	2.02E-03	7.12E-05	2.50E-05	2.32E-03	1.86E-04	2.19E-09	9.50E-07	6.81E-07	1.88E-04	2.36E-04	2.02E-03	7.12E-05	2.50E-05	2.36E-03
4625	483863.09	3859877.25	0.05141	0.08582	0.0115	0.00873	2.08E-04	2.56E-03	7.32E-05	2.76E-05	2.87E-03	1.89E-04	2.77E-09	9.75E-07	7.52E-07	1.91E-04	2.40E-04	2.56E-03	7.32E-05	2.76E-05	2.90E-03
4626	484363.09	3859877.25	0.05349	0.0999	0.0123	0.00966	2.16E-04	2.98E-03	7.82E-05	3.05E-05	3.31E-03	1.97E-04	3.22E-09	1.04E-06	8.32E-07	1.99E-04	2.50E-04	2.98E-03	7.82E-05	3.05E-05	3.34E-03
4627	484863.09	3859877.25	0.05484	0.11887	0.0131	0.0108	2.22E-04	3.55E-03	8.34E-05	3.41E-05	3.89E-03	2.02E-04	3.83E-09	1.11E-06	9.30E-07	2.04E-04	2.56E-04	3.55E-03	8.34E-05	3.41E-05	3.92E-03
4628	485363.09	3859877.25	0.05415	0.14639	0.0133	0.01189	2.19E-04	4.37E-03	8.48E-05	3.75E-05	4.71E-03	1.99E-04	4.72E-09	1.13E-06	1.02E-06	2.01E-04	2.53E-04	4.37E-03	8.48E-05	3.75E-05	4.74E-03
4629	485863.09	3859877.25	0.05291	0.18855	0.0122	0.01425	2.14E-04	5.63E-03	7.76E-05	4.50E-05	5.96E-03	1.95E-04	6.08E-09	1.03E-06	1.23E-06	1.97E-04	2.47E-04	5.63E-03	7.76E-05	4.50E-05	6.00E-03
4630	486363.09	3859877.25	0.05238	0.24654	0.0105	0.01831	2.12E-04	7.36E-03	6.67E-05	5.78E-05	7.69E-03	1.93E-04	7.95E-09	8.89E-07	1.58E-06	1.95E-04	2.45E-04	7.36E-03	6.67E-05	5.78E-05	7.72E-03
4631	486863.09	3859877.25	0.05189	0.33065	0.0086	0.02541	2.10E-04	9.86E-03	5.47E-05	8.02E-05	1.02E-02	1.91E-04	1.07E-08	7.29E-07	2.19E-06	1.94E-04	2.43E-04	9.86E-03	5.47E-05	8.02E-05	1.02E-02
4632	487363.09	3859877.25	0.05242	0.48889	0.0077	0.03895	2.12E-04	1.46E-02	4.93E-05	1.23E-04	1.50E-02	1.93E-04	1.58E-08	6.57E-07	3.35E-06	1.97E-04	2.45E-04	1.46E-02	4.93E-05	1.23E-04	1.50E-02

4633	487863.09	3859877.25	0.05455	2.06431	0.0095	0.08257	2.21E-04	6.16E-02	6.04E-05	2.61E-04	6.21E-02	2.01E-04	6.65E-08	8.05E-07	7.11E-06	2.09E-04	2.55E-04	6.16E-02	6.04E-05	2.61E-04	6.22E-02
4634	488363.09	3859877.25	0.05602	2.55276	0.0089	0.15436	2.26E-04	7.62E-02	5.69E-05	4.87E-04	7.69E-02	2.06E-04	8.23E-08	7.59E-07	1.33E-05	2.20E-04	2.62E-04	7.62E-02	5.69E-05	4.87E-04	7.70E-02
4635	488863.09	3859877.25	0.05845	1.08806	0.0086	0.28678	2.36E-04	3.25E-02	5.48E-05	9.05E-04	3.37E-02	2.15E-04	3.51E-08	7.31E-07	2.47E-05	2.40E-04	2.73E-04	3.25E-02	5.48E-05	9.05E-04	3.37E-02
4636	489363.09	3859877.25	0.06026	0.79062	0.0124	0.14703	2.44E-04	2.36E-02	7.93E-05	4.64E-04	2.44E-02	2.22E-04	2.55E-08	1.06E-06	1.27E-05	2.35E-04	2.82E-04	2.36E-02	7.93E-05	4.64E-04	2.44E-02
4637	489863.09	3859877.25	0.06283	0.61809	0.014	0.08909	2.54E-04	1.84E-02	8.96E-05	2.81E-04	1.91E-02	2.31E-04	1.99E-08	1.19E-06	7.67E-06	2.40E-04	2.94E-04	1.84E-02	8.96E-05	2.81E-04	1.91E-02
4638	490363.09	3859877.25	0.05915	0.50059	0.0158	0.06301	2.39E-04	1.49E-02	1.01E-04	1.99E-04	1.55E-02	2.17E-04	1.61E-08	1.34E-06	5.43E-06	2.24E-04	2.77E-04	1.49E-02	1.01E-04	1.99E-04	1.55E-02
4639	490863.09	3859877.25	0.05732	0.39885	0.0175	0.04824	2.32E-04	1.19E-02	1.11E-04	1.52E-04	1.24E-02	2.11E-04	1.29E-08	1.48E-06	4.15E-06	2.16E-04	2.68E-04	1.19E-02	1.11E-04	1.52E-04	1.24E-02
4640	491363.09	3859877.25	0.05752	0.333	0.0188	0.03991	2.33E-04	9.93E-03	1.20E-04	1.26E-04	1.04E-02	2.11E-04	1.07E-08	1.60E-06	3.44E-06	2.17E-04	2.69E-04	9.93E-03	1.20E-04	1.26E-04	1.04E-02
4641	491863.09	3859877.25	0.0603	0.27899	0.0196	0.03426	2.44E-04	8.32E-03	1.25E-04	1.08E-04	8.80E-03	2.22E-04	8.99E-09	1.67E-06	2.95E-06	2.26E-04	2.82E-04	8.32E-03	1.25E-04	1.08E-04	8.84E-03
4642	492363.09	3859877.25	0.06332	0.23805	0.0208	0.03029	2.56E-04	7.10E-03	1.33E-04	9.56E-05	7.59E-03	2.33E-04	7.67E-09	1.77E-06	2.61E-06	2.37E-04	2.96E-04	7.10E-03	1.33E-04	9.56E-05	7.63E-03
4643	492863.09	3859877.25	0.06461	0.19931	0.0217	0.02742	2.61E-04	5.95E-03	1.38E-04	8.66E-05	6.43E-03	2.38E-04	6.42E-09	1.84E-06	2.36E-06	2.42E-04	3.02E-04	5.95E-03	1.38E-04	8.66E-05	6.47E-03
4644	493363.09	3859877.25	0.06341	0.17346	0.0223	0.02512	2.56E-04	5.17E-03	1.42E-04	7.93E-05	5.65E-03	2.33E-04	5.59E-09	1.89E-06	2.16E-06	2.37E-04	2.97E-04	5.17E-03	1.42E-04	7.93E-05	5.69E-03
4645	493863.09	3859877.25	0.06122	0.15255	0.0229	0.02326	2.47E-04	4.55E-03	1.46E-04	7.34E-05	5.02E-03	2.25E-04	4.92E-09	1.94E-06	2.00E-06	2.29E-04	2.86E-04	4.55E-03	1.46E-04	7.34E-05	5.06E-03
4646	494363.09	3859877.25	0.05848	0.1318	0.024	0.02181	2.36E-04	3.93E-03	1.53E-04	6.89E-05	4.39E-03	2.15E-04	4.25E-09	2.04E-06	1.88E-06	2.19E-04	2.73E-04	3.93E-03	1.53E-04	6.89E-05	4.43E-03
4647	494863.09	3859877.25	0.05638	0.11965	0.0247	0.02048	2.28E-04	3.57E-03	1.58E-04	6.47E-05	4.02E-03	2.07E-04	3.86E-09	2.10E-06	1.76E-06	2.11E-04	2.64E-04	3.57E-03	1.58E-04	6.47E-05	4.06E-03
4648	495363.09	3859877.25	0.05439	0.10624	0.0257	0.01944	2.20E-04	3.17E-03	1.64E-04	6.14E-05	3.61E-03	2.00E-04	3.42E-09	2.18E-06	1.67E-06	2.04E-04	2.54E-04	3.17E-03	1.64E-04	6.14E-05	3.65E-03
4649	495863.09	3859877.25	0.05236	0.09406	0.0265	0.01851	2.12E-04	2.81E-03	1.69E-04	5.84E-05	3.24E-03	1.93E-04	3.03E-09	2.25E-06	1.59E-06	1.96E-04	2.45E-04	2.81E-03	1.69E-04	5.84E-05	3.28E-03
4650	496363.09	3859877.25	0.0491	0.07937	0.0272	0.01742	1.98E-04	2.37E-03	1.73E-04	5.50E-05	2.79E-03	1.81E-04	2.56E-09	2.31E-06	1.50E-06	1.84E-04	2.30E-04	2.37E-03	1.73E-04	5.50E-05	2.83E-03
4651	496863.09	3859877.25	0.03975	0.0578	0.0232	0.01482	1.61E-04	1.72E-03	1.48E-04	4.68E-05	2.08E-03	1.46E-04	1.86E-09	1.97E-06	1.28E-06	1.49E-04	1.86E-04	1.72E-03	1.48E-04	4.68E-05	2.10E-03
4652	497363.09	3859877.25	0.04507	0.0664	0.0255	0.01562	1.82E-04	1.98E-03	1.63E-04	4.93E-05	2.38E-03	1.66E-04	2.14E-09	2.17E-06	1.35E-06	1.69E-04	2.11E-04	1.98E-03	1.63E-04	4.93E-05	2.40E-03
4653	497863.09	3859877.25	0.04672	0.0744	0.0242	0.01535	1.89E-04	2.22E-03	1.54E-04	4.85E-05	2.61E-03	1.72E-04	2.40E-09	2.06E-06	1.32E-06	1.75E-04	2.18E-04	2.22E-03	1.54E-04	4.85E-05	2.64E-03
4654	498363.09	3859877.25	0.04626	0.07591	0.0236	0.01451	1.87E-04	2.26E-03	1.51E-04	4.58E-05	2.65E-03	1.70E-04	2.45E-09	2.01E-06	1.25E-06	1.73E-04	2.16E-04	2.26E-03	1.51E-04	4.58E-05	2.68E-03
4655	471363.09	3860377.25	0.00982	0.00822	0.0031	0.00326	3.97E-05	2.45E-04	1.96E-05	1.03E-05	3.15E-04	3.61E-05	2.65E-10	2.61E-07	2.81E-07	3.66E-05	4.59E-05	2.45E-04	1.96E-05	1.03E-05	3.21E-04
4656	471863.09	3860377.25	0.0104	0.00872	0.0032	0.00338	4.20E-05	2.60E-04	2.02E-05	1.07E-05	3.33E-04	3.82E-05	2.81E-10	2.69E-07	2.91E-07	3.88E-05	4.86E-05	2.60E-04	2.02E-05	1.07E-05	3.40E-04
4657	472363.09	3860377.25	0.01104	0.00941	0.0032	0.0035	4.46E-05	2.81E-04	2.06E-05	1.11E-05	3.57E-04	4.06E-05	3.03E-10	2.75E-07	3.01E-07	4.12E-05	5.16E-05	2.81E-04	2.06E-05	1.11E-05	3.64E-04
4658	472863.09	3860377.25	0.01175	0.01027	0.0033	0.0036	4.75E-05	3.06E-04	2.10E-05	1.14E-05	3.86E-04	4.32E-05	3.31E-10	2.80E-07	3.10E-07	4.38E-05	5.50E-05	3.06E-04	2.10E-05	1.14E-05	3.94E-04
4659	473363.09	3860377.25	0.01255	0.01101	0.0034	0.0037	5.07E-05	3.28E-04	2.18E-05	1.17E-05	4.13E-04	4.61E-05	3.55E-10	2.91E-07	3.19E-07	4.67E-05	5.87E-05	3.28E-04	2.18E-05	1.17E-05	4.21E-04
4660	473863.09	3860377.25	0.0135	0.01147	0.0037	0.00382	5.46E-05	3.42E-04	2.35E-05	1.21E-05	4.32E-04	4.96E-05	3.70E-10	3.14E-07	3.29E-07	5.03E-05	6.31E-05	3.42E-04	2.35E-05	1.21E-05	4.41E-04
4661	474363.09	3860377.25	0.01445	0.01106	0.0043	0.00402	5.84E-05	3.30E-04	2.77E-05	1.27E-05	4.29E-04	5.31E-05	3.56E-10	3.69E-07	3.46E-07	5.38E-05	6.76E-05	3.30E-04	2.77E-05	1.27E-05	4.38E-04
4662	474863.09	3860377.25	0.01508	0.00995	0.0066	0.00454	6.10E-05	2.97E-04	4.23E-05	1.43E-05	4.14E-04	5.54E-05	3.21E-10	5.64E-07	3.91E-07	5.64E-05	7.05E-05	2.97E-04	4.23E-05	1.43E-05	4.24E-04
4663	475363.09	3860377.25	0.01432	0.00803	0.0079	0.00449	5.79E-05	2.40E-04	5.04E-05	1.42E-05	3.62E-04	5.26E-05	2.59E-10	6.72E-07	3.87E-07	5.37E-05	6.70E-05	2.40E-04	5.04E-05	1.42E-05	3.71E-04
4664	475863.09	3860377.25	0.01237	0.00644	0.007	0.00423	5.00E-05	1.92E-04	4.43E-05	1.34E-05	3.00E-04	4.55E-05	2.08E-10	5.91E-07	3.64E-07	4.64E-05	5.78E-05	1.92E-04	4.43E-05	1.34E-05	3.08E-04
4665	476363.09	3860377.25	0.00959	0.00516	0.0053	0.00404	3.88E-05	1.54E-04	3.41E-05	1.28E-05	2.40E-04	3.53E-05	1.66E-10	4.54E-07	3.48E-07	3.61E-05	4.48E-05	1.54E-04	3.41E-05	1.28E-05	2.46E-04
4666	476863.09	3860377.25	0.00848	0.00478	0.0051	0.00411	3.43E-05	1.43E-04	3.23E-05	1.30E-05	2.22E-04	3.12E-05	1.54E-10	4.31E-07	3.54E-07	3.20E-05	3.97E-05	1.43E-04	3.23E-05	1.30E-05	2.28E-04
4667	477363.09	3860377.25	0.00479	0.00342	0.0043	0.00395	1.94E-05	1.02E-04	2.77E-05	1.25E-05	1.62E-04	1.76E-05	1.10E-10	3.69E-07	3.40E-07	1.83E-05	2.24E-05	1.02E-04	2.77E-05	1.25E-05	1.65E-04
4668	477863.09	3860377.25	0.00638	0.00407	0.005	0.00419	2.58E-05	1.21E-04	3.20E-05	1.32E-05	1.92E-04	2.35E-05	1.31E-10	4.26E-07	3.61E-07	2.42E-05	2.98E-05	1.21E-04	3.20E-05	1.32E-05	1.96E-04
4669	478363.09	3860377.25	0.01285	0.00668	0.0079	0.00494	5.19E-05	1.99E-04	5.03E-05	1.56E-05	3.17E-04	4.72E-05	2.15E-10	6.70E-07	4.25E-07	4.83E-05	6.01E-05	1.99E-04	5.03E-05	1.56E-05	3.25E-04
4670	478863.09	3860377.25	0.01862	0.01007	0.0089	0.00548	7.53E-05	3.00E-04	5.70E-05	1.73E-05	4.50E-04	6.85E-05	3.25E-10	7.60E-07	4.72E-07	6.97E-05	8.71E-05	3.00E-04	5.70E-05	1.73E-05	4.62E-04
4671	479363.09	3860377.25	0.02364	0.01556	0.0091	0.00599	9.56E-05	4.64E-04	5.80E-05	1.89E-05	6.37E-04	8.69E-05	5.02E-10	7.74E-07	5.16E-07	8.82E-05	1.11E-04	4.64E-04	5.80E-05	1.89E-05	6.52E-04
4672	479863.09	3860377.25	0.02661	0.0228	0.0086	0.00584	1.08E-04	6.80E-04	5.45E-05	1.84E-05	8.61E-04	9.78E-05	7.35E-10	7.27E-07	5.03E-07	9.91E-05	1.24E-04	6.80E-04	5.45E-05	1.84E-05	8.78E-04
4673	480363.09	3860377.25	0.02848	0.02938	0.0085	0.00565	1.15E-04	8.77E-04	5.42E-05	1.78E-05	1.06E-03	1.05E-04	9.47E-10	7.23E-07	4.87E-07	1.06E-04	1.33E-04	8.77E-04	5.42E-05	1.78E-05	1.08E-03
4674	480863.09	3860377.25	0.03001	0.03442	0.0087	0.00567	1.21E-04	1.03E-03	5.55E-05	1.79E-05	1.22E-03	1.10E-04	1.11E-09	7.40E-07	4.88E-07	1.12E-04	1.40E-04	1.03E-03	5.55E-05	1.79E-05	1.24E-03
4675	481363.09	3860377.25	0.03198	0.03861	0.009	0.00594	1.29E-04	1.15E-03	5.73E-05	1.88E-05	1.36E-03	1.18E-04	1.24E-09	7.64E-07	5.11E-07	1.19E-04	1.50E-04	1.15E-03	5.73E-05	1.88E-05	1.38E-03
4676	481863.09	3860377.25	0.0349	0.04398	0.0092	0.00613	1.41E-04	1.31E-03	5.86E-05	1.94E-05	1.53E-03	1.28E-04	1.42E-09	7.81E-07	5.28E-07	1.30E-04	1.63E-04	1.31E-03	5.86E-05	1.94E-05	1.55E-03
4677	482363.09	3860377.25	0.03806	0.04878	0.0094	0.00646	1.54E-04	1.46E-03	5.98E-05	2.04E-05	1.69E-03	1.40E-04	1.57E-09	7.98E-07	5.56E-07	1.41E-04	1.78E-04	1.46E-03	5.98E-05	2.04E-05	1.71E-03
4678	482863.09	3860377.25	0.04051	0.05396	0.0098	0.00677	1.64E-04	1.61E-03	6.27E-05	2.14E-05	1.86E-03	1.49E-04	1.74E-09	8.36E-07	5.83E-07	1.50E-04	1.89E-04	1.61E-03	6.27E-05	2.14E-05	1.88E-03
4679	483363.09	3860377.25	0.04298	0.06294	0.0106	0.00724	1.74E-04	1.88E-03	6.76E-05	2.29E-05	2.14E-03	1.58E-04	2.03E-09	9.01E-07	6.23E-07	1.60E-04	2.01E-04	1.88E-03	6.76E-05	2.29E-05	2.17E-03
4680	483863.09	3860377.25	0.04564	0.07074	0.0113	0.00787	1.84E-04	2.11E-03	7.21E-05	2.48E-05	2.39E-03	1.68E-04	2.28E-09	9.62E-07	6.78E-07	1.69E-04	2.13E-04	2.11E-03	7.21E-05	2.48E-05	2.42E-03
4681	484363.09	3860377.25	0.04483	0.0843	0.0113	0.00858	1.81E-04	2.51E-03	7.21E-05	2.71E-05	2.80E-03	1.65E-04	2.72E-09	9.62E-07	7.39E-07	1.67E-04	2.10E-04	2.51E-03	7.21E-05	2.71E-05	2.82E-03
4682	484863.09	3860377.25	0.04513	0.09802	0.0113	0.00901	1.82E-04	2.92E-03	7.18E-05	2.84E-05	3.21E-03	1.66E-04	3.16E-09	9.58E-07	7.76E-07	1.68E-04	2.11E-04	2.92E-03	7.18E-05	2.84E-05	3.24E-03
4683	485363.09	3860377.25	0.04351	0.11641	0.0104	0.00959	1.76E-04	3.47E-03	6.61E-05	3.03E-05	3.75E-03	1.60E-04	3.75E-09	8.81E-07	8.26E-07	1.62E-04	2.03E-04	3.47E-03	6.61E-05	3.03E-05	3.77E-03
4684	485863.09	3860377.25	0.04292	0.14195	0.0092	0.01087	1.73E-04	4.23E-03	5.87E-05	3.43E-05	4.50E-03	1.58E-04	4.58E-09	7.83E-07	9.36E-07	1.60E-04	2.01E-04	4.23E-03	5.87E-05	3.43E-05	4.53E-03
4685	486363.09	3860377.25	0.04206	0.17392	0.0076	0.01291	1.70E-04	5.19E-03	4.82E-05	4.08E-05	5.45E-03	1.55E-04	5.61E-09	6.43E-07	1.11E-06	1.56E-04	1.97E-04	5.19E-03	4.82E-05	4.08E-05	5.47E-03
4686	486863.09	3860377.25	0.04146	0.22098	0.0071	0.01691	1.68E-04	6.59E-03	4.50E-05	5.34E-05	6.86E-03	1.52E-04	7.12E-09	6.00E-07	1.46E-06	1.54E-04	1.94E-04	6.59E-03	4.50E-05	5.34E-05	6.88E-03
4687	487363.09	3860377.25	0.04181	0.34314	0.0067	0.0241	1.69E-04	1.02E-02	4.29E-05	7.61E-05	1.05E-02	1.54E-04	1.11E-08	5.72E-07	2.08E-06	1.56E-04	1.96E-04	1.02E-02	4.29E-05	7.61E-05	1.06E-02
4688	487863.09	3860377.25	0.04313	1.74554	0.0086	0.04693	1.74E-04	5.21E-02	5.47E-05	1.48E-04	5.25E-02	1.59E-04	5.63E-08	7.30E-07	4.04E-06	1.63E-04	2.02E-04	5.21E-02	5.47E-05	1.48E-04	5.25E-02
4689	488363.09	3860377.25	0.0439	2.48541	0.0079	0.10854	1.77E-04	7.41E-02	5.03E-05	3.43E-04	7.47E-02	1.61E-04	8.01E-08	6.70E-07	9.35E-06	1.71E-04	2.05E-04	7.41E-02	5.03E-05	3.43E-04	7.47E-02
4690	488863.09	3860377.25	0.04591	2.71093	0.0064	0.14171	1.86E-04	8.09E-02	4.10E-05	4.47E-04	8.16E-02	1.69E-04	8.74E-08	5.47E-07	1.22E-05	1.82E-04	2.15E-04	8.09E-02	4.10E-05	4.47E-04	8.16E-02
4691	489363.09	3860377.25	0.04691	1.21347	0.0084	0.0723	1.90E-04	3.62E-02	5.33E-05	2.28E-04	3.67E-02	1.72E-04	3.91E-08	7.10E-07	6.23E-06	1.79E-04	2.19E-04	3.62E-02	5.33E-05	2.28E-04	3.67E-02
4692	489863.09	3860377.25	0.0482	0.62939	0.0111	0.04862	1.95E-04	1.88E-02	7.07E-05	1.54E-04	1.92E-02	1.77E-04	2.03E-08	9.43E-07	4.19E-06	1.82E-04	2.25E-04	1.88E-02	7.07E-05	1.54E-04	1.92E-02
4693	490363.09	3860377.25	0.04995	0.44391	0.0115	0.03807	2.02E-04	1.32E-02	7.34E-05	1.20E-04	1.36E-02	1.84E-04	1.43E-08	9.79E-07	3.28E-06	1.88E-04	2.34E-04	1.32E-02	7.34E-05	1.20E-04	1.37E-02

4694	490863.09	3860377.25	0.04769	0.34751	0.0124	0.03126	1.93E-04	1.04E-02	7.93E-05	9.87E-05	1.07E-02	1.75E-04	1.12E-08	1.06E-06	2.69E-06	1.79E-04	2.23E-04	1.04E-02	7.93E-05	9.87E-05	1.08E-02
4695	491363.09	3860377.25	0.04455	0.28499	0.0123	0.02671	1.80E-04	8.50E-03	7.85E-05	8.43E-05	8.85E-03	1.64E-04	9.19E-09	1.05E-06	2.30E-06	1.67E-04	2.08E-04	8.50E-03	7.85E-05	8.43E-05	8.87E-03
4696	491863.09	3860377.25	0.04422	0.24284	0.0132	0.024	1.79E-04	7.24E-03	8.40E-05	7.58E-05	7.58E-03	1.63E-04	7.83E-09	1.12E-06	2.07E-06	1.66E-04	2.07E-04	7.24E-03	8.40E-05	7.58E-05	7.61E-03
4697	492363.09	3860377.25	0.04602	0.21162	0.0142	0.0223	1.86E-04	6.31E-03	9.06E-05	7.04E-05	6.66E-03	1.69E-04	6.82E-09	1.21E-06	1.92E-06	1.72E-04	2.15E-04	6.31E-03	9.06E-05	7.04E-05	6.69E-03
4698	492863.09	3860377.25	0.04809	0.1866	0.0146	0.02064	1.94E-04	5.57E-03	9.28E-05	6.52E-05	5.92E-03	1.77E-04	6.01E-09	1.24E-06	1.78E-06	1.80E-04	2.25E-04	5.57E-03	9.28E-05	6.52E-05	5.95E-03
4699	493363.09	3860377.25	0.05097	0.16415	0.0159	0.01898	2.06E-04	4.90E-03	1.01E-04	5.99E-05	5.26E-03	1.87E-04	5.29E-09	1.35E-06	1.63E-06	1.90E-04	2.38E-04	4.90E-03	1.01E-04	5.99E-05	5.30E-03
4700	493863.09	3860377.25	0.05121	0.14897	0.017	0.018	2.07E-04	4.44E-03	1.08E-04	5.68E-05	4.82E-03	1.88E-04	4.80E-09	1.44E-06	1.55E-06	1.91E-04	2.39E-04	4.44E-03	1.08E-04	5.68E-05	4.85E-03
4701	494363.09	3860377.25	0.05074	0.13329	0.0172	0.01697	2.05E-04	3.98E-03	1.10E-04	5.36E-05	4.34E-03	1.87E-04	4.30E-09	1.46E-06	1.46E-06	1.89E-04	2.37E-04	3.98E-03	1.10E-04	5.36E-05	4.38E-03
4702	494863.09	3860377.25	0.04896	0.12294	0.0177	0.01621	1.98E-04	3.67E-03	1.13E-04	5.12E-05	4.03E-03	1.80E-04	3.96E-09	1.50E-06	1.40E-06	1.83E-04	2.29E-04	3.67E-03	1.13E-04	5.12E-05	4.06E-03
4703	495363.09	3860377.25	0.04762	0.11111	0.0176	0.01544	1.92E-04	3.31E-03	1.12E-04	4.87E-05	3.67E-03	1.75E-04	3.58E-09	1.50E-06	1.33E-06	1.78E-04	2.23E-04	3.31E-03	1.12E-04	4.87E-05	3.70E-03
4704	495863.09	3860377.25	0.04606	0.09556	0.0183	0.01502	1.86E-04	2.85E-03	1.16E-04	4.74E-05	3.20E-03	1.69E-04	3.08E-09	1.55E-06	1.29E-06	1.72E-04	2.15E-04	2.85E-03	1.16E-04	4.74E-05	3.23E-03
4705	496363.09	3860377.25	0.04404	0.08099	0.0205	0.01478	1.78E-04	2.42E-03	1.31E-04	4.67E-05	2.77E-03	1.62E-04	2.61E-09	1.74E-06	1.27E-06	1.65E-04	2.06E-04	2.42E-03	1.31E-04	4.67E-05	2.80E-03
4706	496863.09	3860377.25	0.04204	0.07013	0.0221	0.01413	1.70E-04	2.09E-03	1.41E-04	4.46E-05	2.45E-03	1.55E-04	2.26E-09	1.88E-06	1.22E-06	1.58E-04	1.97E-04	2.09E-03	1.41E-04	4.46E-05	2.47E-03
4707	497363.09	3860377.25	0.03903	0.05939	0.0222	0.0132	1.58E-04	1.77E-03	1.42E-04	4.17E-05	2.11E-03	1.43E-04	1.91E-09	1.89E-06	1.14E-06	1.47E-04	1.83E-04	1.77E-03	1.42E-04	4.17E-05	2.14E-03
4708	497863.09	3860377.25	0.04072	0.06655	0.0208	0.01332	1.65E-04	1.99E-03	1.33E-04	4.21E-05	2.32E-03	1.50E-04	2.14E-09	1.77E-06	1.15E-06	1.53E-04	1.90E-04	1.99E-03	1.33E-04	4.21E-05	2.35E-03
4709	498363.09	3860377.25	0.04056	0.07063	0.0189	0.01254	1.64E-04	2.11E-03	1.21E-04	3.96E-05	2.43E-03	1.49E-04	2.28E-09	1.61E-06	1.08E-06	1.52E-04	1.90E-04	2.11E-03	1.21E-04	3.96E-05	2.46E-03
4710	471363.09	3860877.25	0.00995	0.00873	0.0032	0.00323	4.02E-05	2.60E-04	2.05E-05	1.02E-05	3.31E-04	3.66E-05	2.81E-10	2.73E-07	2.78E-07	3.71E-05	4.65E-05	2.60E-04	2.05E-05	1.02E-05	3.38E-04
4711	471863.09	3860877.25	0.01051	0.00931	0.0034	0.00332	4.25E-05	2.78E-04	2.16E-05	1.05E-05	3.52E-04	3.86E-05	3.00E-10	2.87E-07	2.86E-07	3.92E-05	4.92E-05	2.78E-04	2.16E-05	1.05E-05	3.59E-04
4712	472363.09	3860877.25	0.01117	0.00986	0.0036	0.00341	4.52E-05	2.94E-04	2.29E-05	1.08E-05	3.73E-04	4.11E-05	3.18E-10	3.05E-07	2.94E-07	4.17E-05	5.22E-05	2.94E-04	2.29E-05	1.08E-05	3.80E-04
4713	472863.09	3860877.25	0.01199	0.01056	0.0038	0.00346	4.85E-05	3.15E-04	2.40E-05	1.09E-05	3.98E-04	4.41E-05	3.40E-10	3.20E-07	2.98E-07	4.47E-05	5.61E-05	3.15E-04	2.40E-05	1.09E-05	4.06E-04
4714	473363.09	3860877.25	0.0129	0.01104	0.0041	0.00355	5.21E-05	3.29E-04	2.58E-05	1.12E-05	4.19E-04	4.74E-05	3.56E-10	3.44E-07	3.06E-07	4.81E-05	6.03E-05	3.29E-04	2.58E-05	1.12E-05	4.27E-04
4715	473863.09	3860877.25	0.01384	0.01145	0.0044	0.00366	5.59E-05	3.42E-04	2.82E-05	1.16E-05	4.37E-04	5.09E-05	3.69E-10	3.76E-07	3.15E-07	5.16E-05	6.47E-05	3.42E-04	2.82E-05	1.16E-05	4.46E-04
4716	474363.09	3860877.25	0.01469	0.01172	0.0049	0.00381	5.94E-05	3.50E-04	3.13E-05	1.20E-05	4.52E-04	5.40E-05	3.78E-10	4.17E-07	3.28E-07	5.48E-05	6.87E-05	3.50E-04	3.13E-05	1.20E-05	4.62E-04
4717	474863.09	3860877.25	0.01539	0.01217	0.0057	0.00413	6.22E-05	3.63E-04	3.62E-05	1.30E-05	4.74E-04	5.66E-05	3.92E-10	4.82E-07	3.56E-07	5.74E-05	7.20E-05	3.63E-04	3.62E-05	1.30E-05	4.84E-04
4718	475363.09	3860877.25	0.01575	0.01158	0.0068	0.00444	6.37E-05	3.45E-04	4.34E-05	1.40E-05	4.67E-04	5.79E-05	3.73E-10	5.79E-07	3.82E-07	5.89E-05	7.37E-05	3.45E-04	4.34E-05	1.40E-05	4.77E-04
4719	475863.09	3860877.25	0.01554	0.0102	0.0081	0.0047	6.28E-05	3.04E-04	5.18E-05	1.48E-05	4.34E-04	5.71E-05	3.29E-10	6.91E-07	4.05E-07	5.82E-05	7.27E-05	3.04E-04	5.18E-05	1.48E-05	4.44E-04
4720	476363.09	3860877.25	0.01456	0.00849	0.0086	0.00482	5.89E-05	2.53E-04	5.47E-05	1.52E-05	3.82E-04	5.35E-05	2.74E-10	7.30E-07	4.15E-07	5.47E-05	6.81E-05	2.53E-04	5.47E-05	1.52E-05	3.91E-04
4721	476863.09	3860877.25	0.0143	0.00792	0.0084	0.00493	5.78E-05	2.36E-04	5.35E-05	1.56E-05	3.63E-04	5.26E-05	2.55E-10	7.13E-07	4.25E-07	5.37E-05	6.69E-05	2.36E-04	5.35E-05	1.56E-05	3.72E-04
4722	477363.09	3860877.25	0.01491	0.00812	0.0083	0.00508	6.03E-05	2.42E-04	5.31E-05	1.60E-05	3.72E-04	5.48E-05	2.62E-10	7.08E-07	4.37E-07	5.60E-05	6.97E-05	2.42E-04	5.31E-05	1.60E-05	3.81E-04
4723	477863.09	3860877.25	0.01329	0.00689	0.0076	0.0048	5.37E-05	2.06E-04	4.85E-05	1.52E-05	3.23E-04	4.89E-05	2.22E-10	6.47E-07	4.13E-07	4.99E-05	6.22E-05	2.06E-04	4.85E-05	1.52E-05	3.31E-04
4724	478363.09	3860877.25	0.00786	0.00454	0.0061	0.00407	3.18E-05	1.35E-04	3.92E-05	1.29E-05	2.19E-04	2.89E-05	1.46E-10	5.22E-07	3.50E-07	2.98E-05	3.68E-05	1.35E-04	3.92E-05	1.29E-05	2.24E-04
4725	478863.09	3860877.25	0.01708	0.00927	0.0087	0.00585	6.90E-05	2.77E-04	5.52E-05	1.85E-05	4.19E-04	6.28E-05	2.99E-10	7.36E-07	5.04E-07	6.40E-05	7.99E-05	2.77E-04	5.52E-05	1.85E-05	4.30E-04
4726	479363.09	3860877.25	0.02144	0.0154	0.0091	0.00635	8.67E-05	4.59E-04	5.80E-05	2.00E-05	6.24E-04	7.88E-05	4.96E-10	7.73E-07	5.47E-07	8.01E-05	1.00E-04	4.59E-04	5.80E-05	2.00E-05	6.38E-04
4727	479863.09	3860877.25	0.02342	0.02246	0.0083	0.00534	9.47E-05	6.70E-04	5.26E-05	1.69E-05	8.34E-04	8.61E-05	7.24E-10	7.02E-07	4.60E-07	8.73E-05	1.10E-04	6.70E-04	5.26E-05	1.69E-05	8.49E-04
4728	480363.09	3860877.25	0.02495	0.0286	0.008	0.00513	1.01E-04	8.53E-04	5.11E-05	1.62E-05	1.02E-03	9.17E-05	9.22E-10	6.81E-07	4.42E-07	9.29E-05	1.17E-04	8.53E-04	5.11E-05	1.62E-05	1.04E-03
4729	480863.09	3860877.25	0.02663	0.03281	0.008	0.00526	1.08E-04	9.79E-04	5.08E-05	1.66E-05	1.15E-03	9.79E-05	1.06E-09	6.78E-07	4.53E-07	9.90E-05	1.25E-04	9.79E-04	5.08E-05	1.66E-05	1.17E-03
4730	481363.09	3860877.25	0.02888	0.03726	0.0081	0.00548	1.17E-04	1.11E-03	5.15E-05	1.73E-05	1.30E-03	1.06E-04	1.20E-09	6.87E-07	4.72E-07	1.07E-04	1.35E-04	1.11E-03	5.15E-05	1.73E-05	1.32E-03
4731	481863.09	3860877.25	0.03139	0.04091	0.0085	0.00564	1.27E-04	1.22E-03	5.41E-05	1.78E-05	1.42E-03	1.15E-04	1.32E-09	7.21E-07	4.86E-07	1.17E-04	1.47E-04	1.22E-03	5.41E-05	1.78E-05	1.44E-03
4732	482363.09	3860877.25	0.03336	0.04598	0.0091	0.00591	1.35E-04	1.37E-03	5.81E-05	1.87E-05	1.58E-03	1.23E-04	1.48E-09	7.75E-07	5.09E-07	1.24E-04	1.56E-04	1.37E-03	5.81E-05	1.87E-05	1.60E-03
4733	482863.09	3860877.25	0.03514	0.05054	0.0096	0.00619	1.42E-04	1.51E-03	6.15E-05	1.95E-05	1.73E-03	1.29E-04	1.63E-09	8.20E-07	5.33E-07	1.31E-04	1.64E-04	1.51E-03	6.15E-05	1.95E-05	1.75E-03
4734	483363.09	3860877.25	0.03749	0.05549	0.01	0.00671	1.52E-04	1.66E-03	6.36E-05	2.12E-05	1.89E-03	1.38E-04	1.79E-09	8.48E-07	5.78E-07	1.39E-04	1.75E-04	1.66E-03	6.36E-05	2.12E-05	1.92E-03
4735	483863.09	3860877.25	0.03882	0.0616	0.0103	0.00723	1.57E-04	1.84E-03	6.57E-05	2.28E-05	2.08E-03	1.43E-04	1.99E-09	8.76E-07	6.23E-07	1.44E-04	1.82E-04	1.84E-03	6.57E-05	2.28E-05	2.11E-03
4736	484363.09	3860877.25	0.0388	0.0713	0.01	0.00768	1.57E-04	2.13E-03	6.40E-05	2.42E-05	2.37E-03	1.43E-04	2.30E-09	8.53E-07	6.61E-07	1.44E-04	1.81E-04	2.13E-03	6.40E-05	2.42E-05	2.40E-03
4737	484863.09	3860877.25	0.0374	0.08216	0.0089	0.00795	1.51E-04	2.45E-03	5.70E-05	2.51E-05	2.68E-03	1.38E-04	2.65E-09	7.60E-07	6.85E-07	1.39E-04	1.75E-04	2.45E-03	5.70E-05	2.51E-05	2.71E-03
4738	485363.09	3860877.25	0.0362	0.09488	0.0081	0.00835	1.46E-04	2.83E-03	5.19E-05	2.64E-05	3.06E-03	1.33E-04	3.06E-09	6.92E-07	7.19E-07	1.35E-04	1.69E-04	2.83E-03	5.19E-05	2.64E-05	3.08E-03
4739	485863.09	3860877.25	0.03607	0.11059	0.007	0.00892	1.46E-04	3.30E-03	4.49E-05	2.82E-05	3.52E-03	1.33E-04	3.56E-09	5.99E-07	7.68E-07	1.34E-04	1.69E-04	3.30E-03	4.49E-05	2.82E-05	3.54E-03
4740	486363.09	3860877.25	0.03479	0.12831	0.0068	0.01007	1.41E-04	3.83E-03	4.36E-05	3.18E-05	4.04E-03	1.28E-04	4.14E-09	5.81E-07	8.67E-07	1.29E-04	1.63E-04	3.83E-03	4.36E-05	3.18E-05	4.07E-03
4741	486863.09	3860877.25	0.03444	0.15538	0.0057	0.01185	1.39E-04	4.64E-03	3.62E-05	3.74E-05	4.85E-03	1.27E-04	5.01E-09	4.82E-07	1.02E-06	1.28E-04	1.61E-04	4.64E-03	3.62E-05	3.74E-05	4.87E-03
4742	487363.09	3860877.25	0.0347	0.20109	0.0061	0.01423	1.40E-04	6.00E-03	3.92E-05	4.49E-05	6.22E-03	1.28E-04	6.48E-09	5.22E-07	1.23E-06	1.29E-04	1.62E-04	6.00E-03	3.92E-05	4.49E-05	6.25E-03
4743	487863.09	3860877.25	0.03501	0.25579	0.0078	0.01743	1.42E-04	7.63E-03	4.99E-05	5.50E-05	7.88E-03	1.29E-04	8.24E-09	6.65E-07	1.50E-06	1.31E-04	1.64E-04	7.63E-03	4.99E-05	5.50E-05	7.90E-03
4744	488363.09	3860877.25	0.03613	0.32132	0.0073	0.02142	1.46E-04	9.59E-03	4.67E-05	6.76E-05	9.85E-03	1.33E-04	1.04E-08	6.23E-07	1.84E-06	1.35E-04	1.69E-04	9.59E-03	4.67E-05	6.76E-05	9.87E-03
4745	488863.09	3860877.25	0.03685	0.34221	0.0055	0.02	1.49E-04	1.02E-02	3.53E-05	6.31E-05	1.05E-02	1.35E-04	1.10E-08	4.70E-07	1.72E-06	1.38E-04	1.72E-04	1.02E-02	3.53E-05	6.31E-05	1.05E-02
4746	489363.09	3860877.25	0.03844	0.33954	0.006	0.02132	1.55E-04	1.01E-02	3.84E-05	6.73E-05	1.04E-02	1.41E-04	1.09E-08	5.12E-07	1.84E-06	1.44E-04	1.80E-04	1.01E-02	3.84E-05	6.73E-05	1.04E-02
4747	489863.09	3860877.25	0.03819	0.30185	0.0083	0.0192	1.54E-04	9.01E-03	5.29E-05	6.06E-05	9.27E-03	1.40E-04	9.73E-09	7.06E-07	1.65E-06	1.43E-04	1.79E-04	9.01E-03	5.29E-05	6.06E-05	9.30E-03
4748	490363.09	3860877.25	0.03893	0.265	0.0095	0.01782	1.57E-04	7.91E-03	6.07E-05	5.63E-05	8.18E-03	1.43E-04	8.54E-09	8.10E-07	1.53E-06	1.45E-04	1.82E-04	7.91E-03	6.07E-05	5.63E-05	8.20E-03
4749	490863.09	3860877.25	0.04074	0.23131	0.0097	0.01672	1.65E-04	6.90E-03	6.20E-05	5.28E-05	7.18E-03	1.50E-04	7.46E-09	8.27E-07	1.44E-06	1.52E-04	1.91E-04	6.90E-03	6.20E-05	5.28E-05	7.21E-03
4750	491363.09	3860877.25	0.03945	0.20488	0.0104	0.01591	1.59E-04	6.11E-03	6.61E-05	5.02E-05	6.39E-03	1.45E-04	6.60E-09	8.81E-07	1.37E-06	1.47E-04	1.84E-04	6.11E-03	6.61E-05	5.02E-05	6.41E-03
4751	491863.09	3860877.25	0.03706	0.18389	0.0101	0.01526	1.50E-04	5.49E-03	6.42E-05	4.82E-05	5.75E-03	1.36E-04	5.93E-09	8.56E-07	1.31E-06	1.38E-04	1.73E-04	5.49E-03	6.42E-05	4.82E-05	5.77E-03
4752	492363.09	3860877.25	0.03562	0.16252	0.0102	0.01435	1.44E-04	4.85E-03	6.48E-05	4.53E-05	5.10E-03	1.31E-04	5.24E-09	8.64E-07	1.24E-06	1.33E-04	1.67E-04	4.85E-03	6.48E-05	4.53E-05	5.13E-03
4753	492863.09	3860877.25	0.03606	0.14823	0.0109	0.01387	1.46E-04	4.42E-03	6.95E-05	4.38E-05	4.68E-03	1.33E-04	4.78E-09	9.27E-07	1.19E-06	1.35E-04	1.69E-04	4.42E-03	6.95E-05	4.38E-05	4.70E-03
4754	493363.09	3860877.25	0.0378	0.13704	0.0113	0.01377	1.53E-04	4.09E-03	7.23E-05	4.35E-05	4.36E-03	1.39E-04	4.42E-09	9.64E-07	1.19E-06	1.41E-04	1.77E-04	4.09E-03	7.23E-05	4.35E-05	4.38E-03

4755	493863.09	3860877.25	0.03951	0.12566	0.0114	0.01337	1.60E-04	3.75E-03	7.25E-05	4.22E-05	4.02E-03	1.45E-04	4.05E-09	9.67E-07	1.15E-06	1.47E-04	1.85E-04	3.75E-03	7.25E-05	4.22E-05	4.05E-03
4756	494363.09	3860877.25	0.04101	0.11596	0.0119	0.01309	1.66E-04	3.46E-03	7.58E-05	4.13E-05	3.74E-03	1.51E-04	3.74E-09	1.01E-06	1.13E-06	1.53E-04	1.92E-04	3.46E-03	7.58E-05	4.13E-05	3.77E-03
4757	494863.09	3860877.25	0.04166	0.10759	0.0128	0.01298	1.68E-04	3.21E-03	8.15E-05	4.10E-05	3.50E-03	1.53E-04	3.47E-09	1.09E-06	1.12E-06	1.55E-04	1.95E-04	3.21E-03	8.15E-05	4.10E-05	3.53E-03
4758	495363.09	3860877.25	0.04126	0.10001	0.0136	0.01259	1.67E-04	2.98E-03	8.66E-05	3.98E-05	3.28E-03	1.52E-04	3.22E-09	1.15E-06	1.08E-06	1.54E-04	1.93E-04	2.98E-03	8.66E-05	3.98E-05	3.30E-03
4759	495863.09	3860877.25	0.0401	0.09333	0.0139	0.01228	1.62E-04	2.78E-03	8.87E-05	3.88E-05	3.07E-03	1.47E-04	3.01E-09	1.18E-06	1.06E-06	1.50E-04	1.88E-04	2.78E-03	8.87E-05	3.88E-05	3.10E-03
4760	496363.09	3860877.25	0.03941	0.08652	0.0144	0.01176	1.59E-04	2.58E-03	9.17E-05	3.71E-05	2.87E-03	1.45E-04	2.79E-09	1.22E-06	1.01E-06	1.47E-04	1.84E-04	2.58E-03	9.17E-05	3.71E-05	2.89E-03
4761	496863.09	3860877.25	0.03839	0.07571	0.0144	0.01165	1.55E-04	2.26E-03	9.16E-05	3.68E-05	2.54E-03	1.41E-04	2.44E-09	1.22E-06	1.00E-06	1.43E-04	1.80E-04	2.26E-03	9.16E-05	3.68E-05	2.57E-03
4762	497363.09	3860877.25	0.03741	0.07131	0.0148	0.01136	1.51E-04	2.13E-03	9.43E-05	3.59E-05	2.41E-03	1.38E-04	2.30E-09	1.26E-06	9.78E-07	1.40E-04	1.75E-04	2.13E-03	9.43E-05	3.59E-05	2.43E-03
4763	497863.09	3860877.25	0.03644	0.06571	0.0156	0.0112	1.47E-04	1.96E-03	9.92E-05	3.54E-05	2.24E-03	1.34E-04	2.12E-09	1.32E-06	9.64E-07	1.36E-04	1.70E-04	1.96E-03	9.92E-05	3.54E-05	2.27E-03
4764	498363.09	3860877.25	0.0359	0.06575	0.0151	0.01071	1.45E-04	1.96E-03	9.66E-05	3.38E-05	2.24E-03	1.32E-04	2.12E-09	1.29E-06	9.22E-07	1.34E-04	1.68E-04	1.96E-03	9.66E-05	3.38E-05	2.26E-03
4765	471363.09	3861377.25	0.01002	0.0091	0.0038	0.00313	4.05E-05	2.71E-04	2.40E-05	9.88E-06	3.46E-04	3.68E-05	2.93E-10	3.20E-07	2.70E-07	3.74E-05	4.69E-05	2.71E-04	2.40E-05	9.88E-06	3.52E-04
4766	471863.09	3861377.25	0.01067	0.00955	0.004	0.00318	4.31E-05	2.85E-04	2.55E-05	1.00E-05	3.64E-04	3.92E-05	3.08E-10	3.39E-07	2.74E-07	3.98E-05	4.99E-05	2.85E-04	2.55E-05	1.00E-05	3.70E-04
4767	472363.09	3861377.25	0.01141	0.01	0.0043	0.00325	4.61E-05	2.98E-04	2.71E-05	1.03E-05	3.82E-04	4.19E-05	3.22E-10	3.61E-07	2.80E-07	4.26E-05	5.34E-05	2.98E-04	2.71E-05	1.03E-05	3.89E-04
4768	472863.09	3861377.25	0.01217	0.0106	0.0045	0.0033	4.92E-05	3.16E-04	2.85E-05	1.04E-05	4.04E-04	4.47E-05	3.42E-10	3.80E-07	2.84E-07	4.54E-05	5.69E-05	3.16E-04	2.85E-05	1.04E-05	4.12E-04
4769	473363.09	3861377.25	0.01287	0.01111	0.0048	0.00339	5.20E-05	3.31E-04	3.04E-05	1.07E-05	4.25E-04	4.73E-05	3.58E-10	4.06E-07	2.92E-07	4.80E-05	6.02E-05	3.31E-04	3.04E-05	1.07E-05	4.33E-04
4770	473863.09	3861377.25	0.01347	0.01148	0.0051	0.00353	5.44E-05	3.42E-04	3.27E-05	1.11E-05	4.41E-04	4.95E-05	3.70E-10	4.35E-07	3.04E-07	5.03E-05	6.30E-05	3.42E-04	3.27E-05	1.11E-05	4.49E-04
4771	474363.09	3861377.25	0.01396	0.01227	0.0054	0.00362	5.64E-05	3.66E-04	3.41E-05	1.14E-05	4.68E-04	5.13E-05	3.95E-10	4.55E-07	3.12E-07	5.21E-05	6.53E-05	3.66E-04	3.41E-05	1.14E-05	4.77E-04
4772	474863.09	3861377.25	0.01434	0.01252	0.0057	0.00379	5.80E-05	3.74E-04	3.64E-05	1.20E-05	4.80E-04	5.27E-05	4.04E-10	4.85E-07	3.26E-07	5.35E-05	6.71E-05	3.74E-04	3.64E-05	1.20E-05	4.89E-04
4773	475363.09	3861377.25	0.01482	0.01336	0.0059	0.00389	5.99E-05	3.99E-04	3.74E-05	1.23E-05	5.08E-04	5.45E-05	4.31E-10	4.98E-07	3.35E-07	5.53E-05	6.93E-05	3.99E-04	3.74E-05	1.23E-05	5.18E-04
4774	475863.09	3861377.25	0.01528	0.01327	0.0063	0.00429	6.18E-05	3.96E-04	3.99E-05	1.35E-05	5.11E-04	5.62E-05	4.28E-10	5.32E-07	3.69E-07	5.71E-05	7.15E-05	3.96E-04	3.99E-05	1.35E-05	5.21E-04
4775	476363.09	3861377.25	0.01574	0.01258	0.0066	0.00467	6.36E-05	3.75E-04	4.21E-05	1.47E-05	4.96E-04	5.79E-05	4.05E-10	5.61E-07	4.02E-07	5.88E-05	7.36E-05	3.75E-04	4.21E-05	1.47E-05	5.06E-04
4776	476863.09	3861377.25	0.0162	0.01213	0.0069	0.00498	6.55E-05	3.62E-04	4.38E-05	1.57E-05	4.87E-04	5.96E-05	3.91E-10	5.83E-07	4.29E-07	6.06E-05	7.58E-05	3.62E-04	4.38E-05	1.57E-05	4.97E-04
4777	477363.09	3861377.25	0.01668	0.01194	0.0073	0.00524	6.74E-05	3.56E-04	4.62E-05	1.65E-05	4.86E-04	6.13E-05	3.85E-10	6.17E-07	4.51E-07	6.24E-05	7.80E-05	3.56E-04	4.62E-05	1.65E-05	4.97E-04
4778	477863.09	3861377.25	0.01531	0.00895	0.0082	0.00527	6.19E-05	2.67E-04	5.20E-05	1.66E-05	3.98E-04	5.63E-05	2.88E-10	6.94E-07	4.54E-07	5.74E-05	7.16E-05	2.67E-04	5.20E-05	1.66E-05	4.07E-04
4779	478363.09	3861377.25	0.00967	0.0052	0.007	0.00409	3.91E-05	1.55E-04	4.45E-05	1.29E-05	2.52E-04	3.56E-05	1.68E-10	5.93E-07	3.52E-07	3.65E-05	4.52E-05	1.55E-04	4.45E-05	1.29E-05	2.58E-04
4780	478863.09	3861377.25	0.01181	0.00637	0.0084	0.00462	4.77E-05	1.90E-04	5.35E-05	1.46E-05	3.06E-04	4.34E-05	2.05E-10	7.14E-07	3.98E-07	4.45E-05	5.52E-05	1.90E-04	5.35E-05	1.46E-05	3.13E-04
4781	479363.09	3861377.25	0.01865	0.01416	0.0105	0.00602	7.54E-05	4.22E-04	6.72E-05	1.90E-05	5.84E-04	6.86E-05	4.56E-10	8.96E-07	5.18E-07	7.00E-05	8.72E-05	4.22E-04	6.72E-05	1.90E-05	5.96E-04
4782	479863.09	3861377.25	0.0211	0.02173	0.0076	0.00499	8.53E-05	6.48E-04	4.87E-05	1.58E-05	7.98E-04	7.76E-05	7.00E-10	6.50E-07	4.30E-07	7.87E-05	9.87E-05	6.48E-04	4.87E-05	1.58E-05	8.11E-04
4783	480363.09	3861377.25	0.02271	0.02828	0.0071	0.00482	9.18E-05	8.44E-04	4.55E-05	1.52E-05	9.96E-04	8.35E-05	9.11E-10	6.07E-07	4.15E-07	8.45E-05	1.06E-04	8.44E-04	4.55E-05	1.52E-05	1.01E-03
4784	480863.09	3861377.25	0.02435	0.03209	0.0075	0.00502	9.84E-05	9.57E-04	4.76E-05	1.59E-05	1.12E-03	8.95E-05	1.03E-09	6.35E-07	4.32E-07	9.06E-05	1.14E-04	9.57E-04	4.76E-05	1.59E-05	1.13E-03
4785	481363.09	3861377.25	0.02618	0.0357	0.008	0.00516	1.06E-04	1.07E-03	5.11E-05	1.63E-05	1.24E-03	9.63E-05	1.15E-09	6.81E-07	4.44E-07	9.74E-05	1.22E-04	1.07E-03	5.11E-05	1.63E-05	1.25E-03
4786	481863.09	3861377.25	0.02804	0.03861	0.0085	0.00537	1.13E-04	1.15E-03	5.39E-05	1.70E-05	1.34E-03	1.03E-04	1.24E-09	7.19E-07	4.62E-07	1.04E-04	1.31E-04	1.15E-03	5.39E-05	1.70E-05	1.35E-03
4787	482363.09	3861377.25	0.02945	0.04186	0.0087	0.00558	1.19E-04	1.25E-03	5.56E-05	1.76E-05	1.44E-03	1.08E-04	1.35E-09	7.41E-07	4.80E-07	1.09E-04	1.38E-04	1.25E-03	5.56E-05	1.76E-05	1.46E-03
4788	482863.09	3861377.25	0.03095	0.04541	0.0089	0.00585	1.25E-04	1.35E-03	5.70E-05	1.85E-05	1.56E-03	1.14E-04	1.46E-09	7.60E-07	5.04E-07	1.15E-04	1.45E-04	1.35E-03	5.70E-05	1.85E-05	1.57E-03
4789	483363.09	3861377.25	0.03247	0.04928	0.0092	0.00625	1.31E-04	1.47E-03	5.86E-05	1.97E-05	1.68E-03	1.19E-04	1.59E-09	7.82E-07	5.38E-07	1.21E-04	1.52E-04	1.47E-03	5.86E-05	1.97E-05	1.70E-03
4790	483863.09	3861377.25	0.03307	0.05424	0.0091	0.00659	1.34E-04	1.62E-03	5.79E-05	2.08E-05	1.83E-03	1.22E-04	1.75E-09	7.72E-07	5.67E-07	1.23E-04	1.55E-04	1.62E-03	5.79E-05	2.08E-05	1.85E-03
4791	484363.09	3861377.25	0.03361	0.05997	0.0084	0.00678	1.36E-04	1.79E-03	5.36E-05	2.14E-05	2.00E-03	1.24E-04	1.93E-09	7.14E-07	5.84E-07	1.25E-04	1.57E-04	1.79E-03	5.36E-05	2.14E-05	2.02E-03
4792	484863.09	3861377.25	0.03224	0.06914	0.0074	0.007	1.30E-04	2.06E-03	4.71E-05	2.21E-05	2.26E-03	1.19E-04	2.23E-09	6.28E-07	6.03E-07	1.20E-04	1.51E-04	2.06E-03	4.71E-05	2.21E-05	2.28E-03
4793	485363.09	3861377.25	0.03071	0.07723	0.0064	0.00707	1.24E-04	2.30E-03	4.07E-05	2.23E-05	2.49E-03	1.13E-04	2.49E-09	5.43E-07	6.09E-07	1.14E-04	1.44E-04	2.30E-03	4.07E-05	2.23E-05	2.51E-03
4794	485863.09	3861377.25	0.03001	0.08654	0.0061	0.00755	1.21E-04	2.58E-03	3.92E-05	2.38E-05	2.77E-03	1.10E-04	2.79E-09	5.22E-07	6.50E-07	1.12E-04	1.40E-04	2.58E-03	3.92E-05	2.38E-05	2.79E-03
4795	486363.09	3861377.25	0.02929	0.09615	0.0061	0.00793	1.18E-04	2.87E-03	3.87E-05	2.50E-05	3.05E-03	1.08E-04	3.10E-09	5.15E-07	6.83E-07	1.09E-04	1.37E-04	2.87E-03	3.87E-05	2.50E-05	3.07E-03
4796	486863.09	3861377.25	0.02921	0.10867	0.005	0.00852	1.18E-04	3.24E-03	3.18E-05	2.69E-05	3.42E-03	1.07E-04	3.50E-09	4.24E-07	7.34E-07	1.09E-04	1.37E-04	3.24E-03	3.18E-05	2.69E-05	3.44E-03
4797	487363.09	3861377.25	0.02947	0.12339	0.0058	0.00872	1.19E-04	3.68E-03	3.67E-05	2.75E-05	3.86E-03	1.08E-04	3.98E-09	4.89E-07	7.51E-07	1.10E-04	1.38E-04	3.68E-03	3.67E-05	2.75E-05	3.88E-03
4798	487863.09	3861377.25	0.0298	0.13273	0.0073	0.00926	1.20E-04	3.96E-03	4.66E-05	2.92E-05	4.16E-03	1.10E-04	4.28E-09	6.21E-07	7.97E-07	1.11E-04	1.39E-04	3.96E-03	4.66E-05	2.92E-05	4.17E-03
4799	488363.09	3861377.25	0.0293	0.13555	0.0066	0.01001	1.18E-04	4.04E-03	4.22E-05	3.16E-05	4.24E-03	1.08E-04	4.37E-09	5.63E-07	8.62E-07	1.09E-04	1.37E-04	4.04E-03	4.22E-05	3.16E-05	4.25E-03
4800	488863.09	3861377.25	0.03023	0.14138	0.005	0.00999	1.22E-04	4.22E-03	3.20E-05	3.15E-05	4.40E-03	1.11E-04	4.56E-09	4.26E-07	8.60E-07	1.12E-04	1.41E-04	4.22E-03	3.20E-05	3.15E-05	4.42E-03
4801	489363.09	3861377.25	0.03112	0.14496	0.0047	0.00989	1.26E-04	4.32E-03	3.00E-05	3.12E-05	4.51E-03	1.14E-04	4.67E-09	4.00E-07	8.52E-07	1.16E-04	1.46E-04	4.32E-03	3.00E-05	3.12E-05	4.53E-03
4802	489863.09	3861377.25	0.03175	0.14671	0.006	0.01001	1.28E-04	4.38E-03	3.81E-05	3.16E-05	4.57E-03	1.17E-04	4.73E-09	5.09E-07	8.62E-07	1.18E-04	1.48E-04	4.38E-03	3.81E-05	3.16E-05	4.60E-03
4803	490363.09	3861377.25	0.03202	0.14309	0.008	0.00982	1.29E-04	4.27E-03	5.07E-05	3.10E-05	4.48E-03	1.18E-04	4.61E-09	6.76E-07	8.46E-07	1.19E-04	1.50E-04	4.27E-03	5.07E-05	3.10E-05	4.50E-03
4804	490863.09	3861377.25	0.03244	0.13952	0.0084	0.00978	1.31E-04	4.16E-03	5.33E-05	3.09E-05	4.38E-03	1.19E-04	4.50E-09	7.10E-07	8.42E-07	1.21E-04	1.52E-04	4.16E-03	5.33E-05	3.09E-05	4.40E-03
4805	491363.09	3861377.25	0.03402	0.13329	0.0084	0.00969	1.38E-04	3.98E-03	5.37E-05	3.06E-05	4.20E-03	1.25E-04	4.30E-09	7.16E-07	8.34E-07	1.27E-04	1.59E-04	3.98E-03	5.37E-05	3.06E-05	4.22E-03
4806	491863.09	3861377.25	0.03338	0.12689	0.0089	0.00971	1.35E-04	3.79E-03	5.70E-05	3.07E-05	4.01E-03	1.23E-04	4.09E-09	7.60E-07	8.36E-07	1.24E-04	1.56E-04	3.79E-03	5.70E-05	3.07E-05	4.03E-03
4807	492363.09	3861377.25	0.0313	0.12104	0.0086	0.00975	1.27E-04	3.61E-03	5.49E-05	3.08E-05	3.82E-03	1.15E-04	3.90E-09	7.31E-07	8.40E-07	1.17E-04	1.46E-04	3.61E-03	5.49E-05	3.08E-05	3.84E-03
4808	492863.09	3861377.25	0.03017	0.11426	0.0084	0.00969	1.22E-04	3.41E-03	5.37E-05	3.06E-05	3.62E-03	1.11E-04	3.68E-09	7.16E-07	8.34E-07	1.12E-04	1.41E-04	3.41E-03	5.37E-05	3.06E-05	3.63E-03
4809	493363.09	3861377.25	0.03012	0.10742	0.009	0.00961	1.22E-04	3.20E-03	5.71E-05	3.03E-05	3.41E-03	1.11E-04	3.46E-09	7.61E-07	8.28E-07	1.12E-04	1.41E-04	3.20E-03	5.71E-05	3.03E-05	3.43E-03
4810	493863.09	3861377.25	0.03043	0.10061	0.0094	0.00949	1.23E-04	3.00E-03	5.98E-05	3.00E-05	3.21E-03	1.12E-04	3.24E-09	7.97E-07	8.17E-07	1.13E-04	1.42E-04	3.00E-03	5.98E-05	3.00E-05	3.23E-03
4811	494363.09	3861377.25	0.03141	0.09457	0.0093	0.0094	1.27E-04	2.82E-03	5.93E-05	2.97E-05	3.04E-03	1.15E-04	3.05E-09	7.91E-07	8.09E-07	1.17E-04	1.47E-04	2.82E-03	5.93E-05	2.97E-05	3.06E-03
4812	494863.09	3861377.25	0.03288	0.08921	0.0092	0.00936	1.33E-04	2.66E-03	5.88E-05	2.96E-05	2.88E-03	1.21E-04	2.88E-09	7.84E-07	8.06E-07	1.22E-04	1.54E-04	2.66E-03	5.88E-05	2.96E-05	2.90E-03
4813	495363.09	3861377.25	0.03394	0.08419	0.0095	0.00931	1.37E-04	2.51E-03	6.05E-05	2.94E-05	2.74E-03	1.25E-04	2.71E-09	8.07E-07	8.02E-07	1.26E-04	1.59E-04	2.51E-03	6.05E-05	2.94E-05	2.76E-03
4814	495863.09	3861377.25	0.03401	0.0794	0.01	0.00923	1.37E-04	2.37E-03	6.36E-05	2.91E-05	2.60E-03	1.25E-04	2.56E-09	8.48E-07	7.95E-07	1.27E-04	1.59E-04	2.37E-03	6.36E-05	2.91E-05	2.62E-03
4815	496363.09	3861377.25	0.034	0.07583	0.0106	0.00936	1.37E-04	2.26E-03	6.79E-05	2.96E-05	2.50E-03	1.25E-04	2.44E-09	9.05E-07	8.06E-07	1.27E-04	1.59E-04	2.26E-03	6.79E-05	2.96E-05	2.52E-03

4816	496863.09	3861377.25	0.03396	0.07223	0.0116	0.00957	1.37E-04	2.15E-03	7.37E-05	3.02E-05	2.40E-03	1.25E-04	2.33E-09	9.82E-07	8.24E-07	1.27E-04	1.59E-04	2.15E-03	7.37E-05	3.02E-05	2.42E-03
4817	497363.09	3861377.25	0.03317	0.06838	0.012	0.00937	1.34E-04	2.04E-03	7.64E-05	2.96E-05	2.28E-03	1.22E-04	2.20E-09	1.02E-06	8.07E-07	1.24E-04	1.55E-04	2.04E-03	7.64E-05	2.96E-05	2.30E-03
4818	497863.09	3861377.25	0.0324	0.06492	0.0123	0.00921	1.31E-04	1.94E-03	7.83E-05	2.91E-05	2.18E-03	1.19E-04	2.09E-09	1.04E-06	7.93E-07	1.21E-04	1.52E-04	1.94E-03	7.83E-05	2.91E-05	2.20E-03
4819	498363.09	3861377.25	0.03178	0.06152	0.0122	0.00904	1.28E-04	1.84E-03	7.80E-05	2.85E-05	2.07E-03	1.17E-04	1.98E-09	1.04E-06	7.78E-07	1.19E-04	1.49E-04	1.84E-03	7.80E-05	2.85E-05	2.09E-03
4820	471363.09	3861877.25	0.01017	0.00912	0.0043	0.00294	4.11E-05	2.72E-04	2.74E-05	9.28E-06	3.50E-04	3.74E-05	2.94E-10	3.66E-07	2.53E-07	3.80E-05	4.76E-05	2.72E-04	2.74E-05	9.28E-06	3.56E-04
4821	471863.09	3861877.25	0.01078	0.00953	0.0045	0.00301	4.36E-05	2.84E-04	2.89E-05	9.50E-06	3.66E-04	3.96E-05	3.07E-10	3.85E-07	2.59E-07	4.03E-05	5.04E-05	2.84E-04	2.89E-05	9.50E-06	3.73E-04
4822	472363.09	3861877.25	0.01136	0.01	0.0047	0.00308	4.59E-05	2.98E-04	3.02E-05	9.72E-06	3.84E-04	4.18E-05	3.22E-10	4.03E-07	2.65E-07	4.24E-05	5.31E-05	2.98E-04	3.02E-05	9.72E-06	3.91E-04
4823	472863.09	3861877.25	0.01186	0.01057	0.0049	0.00316	4.79E-05	3.15E-04	3.14E-05	9.98E-06	4.05E-04	4.36E-05	3.41E-10	4.19E-07	2.72E-07	4.43E-05	5.55E-05	3.15E-04	3.14E-05	9.98E-06	4.12E-04
4824	473363.09	3861877.25	0.01226	0.01115	0.0051	0.00326	4.96E-05	3.33E-04	3.26E-05	1.03E-05	4.25E-04	4.51E-05	3.59E-10	4.35E-07	2.81E-07	4.58E-05	5.73E-05	3.33E-04	3.26E-05	1.03E-05	4.33E-04
4825	473863.09	3861877.25	0.01261	0.01165	0.0053	0.00337	5.10E-05	3.48E-04	3.36E-05	1.06E-05	4.43E-04	4.64E-05	3.75E-10	4.47E-07	2.90E-07	4.71E-05	5.90E-05	3.48E-04	3.36E-05	1.06E-05	4.51E-04
4826	474363.09	3861877.25	0.01296	0.01226	0.0054	0.00348	5.24E-05	3.66E-04	3.43E-05	1.10E-05	4.63E-04	4.76E-05	3.95E-10	4.57E-07	3.00E-07	4.84E-05	6.06E-05	3.66E-04	3.43E-05	1.10E-05	4.72E-04
4827	474863.09	3861877.25	0.01337	0.01274	0.0055	0.00361	5.40E-05	3.80E-04	3.49E-05	1.14E-05	4.80E-04	4.92E-05	4.11E-10	4.65E-07	3.11E-07	4.99E-05	6.25E-05	3.80E-04	3.49E-05	1.14E-05	4.89E-04
4828	475363.09	3861877.25	0.01387	0.01333	0.0056	0.00371	5.61E-05	3.98E-04	3.55E-05	1.17E-05	5.01E-04	5.10E-05	4.30E-10	4.74E-07	3.19E-07	5.18E-05	6.49E-05	3.98E-04	3.55E-05	1.17E-05	5.10E-04
4829	475863.09	3861877.25	0.01442	0.01412	0.0057	0.00379	5.83E-05	4.21E-04	3.63E-05	1.20E-05	5.28E-04	5.30E-05	4.55E-10	4.84E-07	3.26E-07	5.38E-05	6.74E-05	4.21E-04	3.63E-05	1.20E-05	5.37E-04
4830	476363.09	3861877.25	0.01496	0.0146	0.0059	0.00394	6.05E-05	4.36E-04	3.75E-05	1.24E-05	5.46E-04	5.50E-05	4.71E-10	5.00E-07	3.39E-07	5.58E-05	7.00E-05	4.36E-04	3.75E-05	1.24E-05	5.55E-04
4831	476863.09	3861877.25	0.01544	0.01448	0.0063	0.00418	6.24E-05	4.32E-04	3.99E-05	1.32E-05	5.48E-04	5.68E-05	4.67E-10	5.32E-07	3.60E-07	5.77E-05	7.22E-05	4.32E-04	3.99E-05	1.32E-05	5.57E-04
4832	477363.09	3861877.25	0.01563	0.01399	0.0069	0.00444	6.32E-05	4.17E-04	4.39E-05	1.40E-05	5.39E-04	5.75E-05	4.51E-10	5.86E-07	3.82E-07	5.84E-05	7.31E-05	4.17E-04	4.39E-05	1.40E-05	5.48E-04
4833	477863.09	3861877.25	0.01402	0.00927	0.0098	0.00536	5.67E-05	2.77E-04	6.24E-05	1.69E-05	4.13E-04	5.15E-05	2.99E-10	8.33E-07	4.62E-07	5.28E-05	6.56E-05	2.77E-04	6.24E-05	1.69E-05	4.21E-04
4834	478363.09	3861877.25	0.00756	0.00429	0.0059	0.00371	3.06E-05	1.28E-04	3.74E-05	1.17E-05	2.08E-04	2.78E-05	1.38E-10	4.98E-07	3.19E-07	2.86E-05	3.54E-05	1.28E-04	3.74E-05	1.17E-05	2.12E-04
4835	478863.09	3861877.25	0.01246	0.00725	0.0074	0.00443	5.04E-05	2.16E-04	4.69E-05	1.40E-05	3.28E-04	4.58E-05	2.34E-10	6.26E-07	3.81E-07	4.68E-05	5.83E-05	2.16E-04	4.69E-05	1.40E-05	3.35E-04
4836	479363.09	3861877.25	0.01197	0.00655	0.0069	0.00435	4.84E-05	1.95E-04	4.39E-05	1.37E-05	3.01E-04	4.40E-05	2.11E-10	5.85E-07	3.75E-07	4.50E-05	5.60E-05	1.95E-04	4.39E-05	1.37E-05	3.09E-04
4837	479863.09	3861877.25	0.01956	0.02046	0.0071	0.00504	7.91E-05	6.10E-04	4.52E-05	1.59E-05	7.51E-04	7.19E-05	6.59E-10	6.02E-07	4.34E-07	7.29E-05	9.15E-05	6.10E-04	4.52E-05	1.59E-05	7.63E-04
4838	480363.09	3861877.25	0.0209	0.0272	0.0071	0.00468	8.45E-05	8.11E-04	4.54E-05	1.48E-05	9.56E-04	7.68E-05	8.77E-10	6.05E-07	4.03E-07	7.78E-05	9.77E-05	8.11E-04	4.54E-05	1.48E-05	9.69E-04
4839	480863.09	3861877.25	0.02227	0.03009	0.0075	0.00486	9.00E-05	8.98E-04	4.79E-05	1.53E-05	1.05E-03	8.19E-05	9.70E-10	6.39E-07	4.18E-07	8.29E-05	1.04E-04	8.98E-04	4.79E-05	1.53E-05	1.07E-03
4840	481363.09	3861877.25	0.02377	0.03273	0.0078	0.00497	9.61E-05	9.76E-04	4.95E-05	1.57E-05	1.14E-03	8.74E-05	1.05E-09	6.60E-07	4.28E-07	8.85E-05	1.11E-04	9.76E-04	4.95E-05	1.57E-05	1.15E-03
4841	481863.09	3861877.25	0.02519	0.03493	0.0079	0.00513	1.02E-04	1.04E-03	5.04E-05	1.62E-05	1.21E-03	9.26E-05	1.13E-09	6.72E-07	4.42E-07	9.37E-05	1.18E-04	1.04E-03	5.04E-05	1.62E-05	1.23E-03
4842	482363.09	3861877.25	0.02625	0.03764	0.0081	0.00524	1.06E-04	1.12E-03	5.17E-05	1.65E-05	1.30E-03	9.65E-05	1.21E-09	6.89E-07	4.51E-07	9.76E-05	1.23E-04	1.12E-03	5.17E-05	1.65E-05	1.31E-03
4843	482863.09	3861877.25	0.0274	0.0407	0.0083	0.00546	1.11E-04	1.21E-03	5.27E-05	1.72E-05	1.39E-03	1.01E-04	1.31E-09	7.02E-07	4.70E-07	1.02E-04	1.28E-04	1.21E-03	5.27E-05	1.72E-05	1.41E-03
4844	483363.09	3861877.25	0.0283	0.0441	0.0081	0.00571	1.14E-04	1.32E-03	5.19E-05	1.80E-05	1.50E-03	1.04E-04	1.42E-09	6.91E-07	4.92E-07	1.05E-04	1.32E-04	1.32E-03	5.19E-05	1.80E-05	1.52E-03
4845	483863.09	3861877.25	0.02873	0.04775	0.0074	0.00594	1.16E-04	1.42E-03	4.72E-05	1.88E-05	1.61E-03	1.06E-04	1.54E-09	6.29E-07	5.11E-07	1.07E-04	1.34E-04	1.42E-03	4.72E-05	1.88E-05	1.62E-03
4846	484363.09	3861877.25	0.02844	0.05237	0.0067	0.00617	1.15E-04	1.56E-03	4.29E-05	1.95E-05	1.74E-03	1.05E-04	1.69E-09	5.72E-07	5.31E-07	1.06E-04	1.33E-04	1.56E-03	4.29E-05	1.95E-05	1.76E-03
4847	484863.09	3861877.25	0.028	0.05763	0.0061	0.00625	1.13E-04	1.72E-03	3.89E-05	1.97E-05	1.89E-03	1.03E-04	1.86E-09	5.19E-07	5.38E-07	1.04E-04	1.31E-04	1.72E-03	3.89E-05	1.97E-05	1.91E-03
4848	485363.09	3861877.25	0.02708	0.06282	0.0056	0.00623	1.09E-04	1.87E-03	3.54E-05	1.97E-05	2.04E-03	9.96E-05	2.02E-09	4.72E-07	5.36E-07	1.01E-04	1.27E-04	1.87E-03	3.54E-05	1.97E-05	2.06E-03
4849	485863.09	3861877.25	0.02556	0.0671	0.0062	0.00609	1.03E-04	2.00E-03	3.94E-05	1.92E-05	2.16E-03	9.40E-05	2.16E-09	5.25E-07	5.24E-07	9.50E-05	1.20E-04	2.00E-03	3.94E-05	1.92E-05	2.18E-03
4850	486363.09	3861877.25	0.02505	0.07279	0.0049	0.0062	1.01E-04	2.17E-03	3.13E-05	1.96E-05	2.32E-03	9.21E-05	2.35E-09	4.17E-07	5.34E-07	9.30E-05	1.17E-04	2.17E-03	3.13E-05	1.96E-05	2.34E-03
4851	486863.09	3861877.25	0.02505	0.07919	0.0047	0.00626	1.01E-04	2.36E-03	2.99E-05	1.98E-05	2.51E-03	9.21E-05	2.55E-09	3.98E-07	5.39E-07	9.30E-05	1.17E-04	2.36E-03	2.99E-05	1.98E-05	2.53E-03
4852	487363.09	3861877.25	0.02547	0.08528	0.0055	0.00618	1.03E-04	2.54E-03	3.51E-05	1.95E-05	2.70E-03	9.36E-05	2.75E-09	4.68E-07	5.32E-07	9.46E-05	1.19E-04	2.54E-03	3.51E-05	1.95E-05	2.72E-03
4853	487863.09	3861877.25	0.02581	0.08745	0.0068	0.00657	1.04E-04	2.61E-03	4.36E-05	2.07E-05	2.78E-03	9.49E-05	2.82E-09	5.81E-07	5.66E-07	9.60E-05	1.21E-04	2.61E-03	4.36E-05	2.07E-05	2.79E-03
4854	488363.09	3861877.25	0.02523	0.08618	0.0062	0.00694	1.02E-04	2.57E-03	3.97E-05	2.19E-05	2.73E-03	9.28E-05	2.78E-09	5.29E-07	5.98E-07	9.39E-05	1.18E-04	2.57E-03	3.97E-05	2.19E-05	2.75E-03
4855	488863.09	3861877.25	0.02536	0.08698	0.0046	0.00704	1.03E-04	2.59E-03	2.94E-05	2.22E-05	2.75E-03	9.32E-05	2.80E-09	3.92E-07	6.06E-07	9.42E-05	1.19E-04	2.59E-03	2.94E-05	2.22E-05	2.77E-03
4856	489363.09	3861877.25	0.02617	0.08927	0.0041	0.00671	1.06E-04	2.66E-03	2.63E-05	2.12E-05	2.82E-03	9.62E-05	2.88E-09	3.50E-07	5.78E-07	9.71E-05	1.22E-04	2.66E-03	2.63E-05	2.12E-05	2.83E-03
4857	489863.09	3861877.25	0.02665	0.09146	0.0045	0.00712	1.08E-04	2.73E-03	2.89E-05	2.25E-05	2.89E-03	9.80E-05	2.95E-09	3.85E-07	6.13E-07	9.90E-05	1.25E-04	2.73E-03	2.89E-05	2.25E-05	2.90E-03
4858	490363.09	3861877.25	0.02693	0.09101	0.0061	0.00696	1.09E-04	2.72E-03	3.86E-05	2.20E-05	2.88E-03	9.90E-05	2.93E-09	5.15E-07	5.99E-07	1.00E-04	1.26E-04	2.72E-03	3.86E-05	2.20E-05	2.90E-03
4859	490863.09	3861877.25	0.02709	0.08932	0.0073	0.00687	1.10E-04	2.66E-03	4.66E-05	2.17E-05	2.84E-03	9.96E-05	2.88E-09	6.21E-07	5.92E-07	1.01E-04	1.27E-04	2.66E-03	4.66E-05	2.17E-05	2.86E-03
4860	491363.09	3861877.25	0.02757	0.08899	0.0074	0.00682	1.11E-04	2.65E-03	4.73E-05	2.15E-05	2.84E-03	1.01E-04	2.87E-09	6.30E-07	5.87E-07	1.03E-04	1.29E-04	2.65E-03	4.73E-05	2.15E-05	2.85E-03
4861	491863.09	3861877.25	0.0291	0.08867	0.0075	0.00686	1.18E-04	2.65E-03	4.76E-05	2.17E-05	2.83E-03	1.07E-04	2.86E-09	6.34E-07	5.91E-07	1.08E-04	1.36E-04	2.65E-03	4.76E-05	2.17E-05	2.85E-03
4862	492363.09	3861877.25	0.02864	0.08615	0.0079	0.0069	1.16E-04	2.57E-03	5.01E-05	2.18E-05	2.76E-03	1.05E-04	2.78E-09	6.68E-07	5.94E-07	1.07E-04	1.34E-04	2.57E-03	5.01E-05	2.18E-05	2.78E-03
4863	492863.09	3861877.25	0.02696	0.08431	0.0076	0.00702	1.09E-04	2.52E-03	4.85E-05	2.22E-05	2.69E-03	9.91E-05	2.72E-09	6.46E-07	6.04E-07	1.00E-04	1.26E-04	2.52E-03	4.85E-05	2.22E-05	2.71E-03
4864	493363.09	3861877.25	0.02581	0.08221	0.0072	0.00711	1.04E-04	2.45E-03	4.61E-05	2.24E-05	2.63E-03	9.49E-05	2.65E-09	6.14E-07	6.12E-07	9.61E-05	1.21E-04	2.45E-03	4.61E-05	2.24E-05	2.64E-03
4865	493863.09	3861877.25	0.02557	0.07932	0.0075	0.00715	1.03E-04	2.37E-03	4.76E-05	2.26E-05	2.54E-03	9.40E-05	2.56E-09	6.34E-07	6.16E-07	9.53E-05	1.20E-04	2.37E-03	4.76E-05	2.26E-05	2.56E-03
4866	494363.09	3861877.25	0.02564	0.07595	0.008	0.00714	1.04E-04	2.27E-03	5.08E-05	2.25E-05	2.44E-03	9.43E-05	2.45E-09	6.78E-07	6.15E-07	9.56E-05	1.20E-04	2.27E-03	5.08E-05	2.25E-05	2.46E-03
4867	494863.09	3861877.25	0.02614	0.07297	0.0082	0.00715	1.06E-04	2.18E-03	5.22E-05	2.26E-05	2.36E-03	9.61E-05	2.35E-09	6.96E-07	6.16E-07	9.74E-05	1.22E-04	2.18E-03	5.22E-05	2.26E-05	2.37E-03
4868	495363.09	3861877.25	0.02704	0.06978	0.008	0.00715	1.09E-04	2.08E-03	5.08E-05	2.26E-05	2.26E-03	9.94E-05	2.25E-09	6.78E-07	6.16E-07	1.01E-04	1.26E-04	2.08E-03	5.08E-05	2.26E-05	2.28E-03
4869	495863.09	3861877.25	0.02813	0.06672	0.0078	0.00715	1.14E-04	1.99E-03	4.97E-05	2.26E-05	2.18E-03	1.03E-04	2.15E-09	6.63E-07	6.16E-07	1.05E-04	1.32E-04	1.99E-03	4.97E-05	2.26E-05	2.19E-03
4870	496363.09	3861877.25	0.02897	0.06405	0.008	0.00719	1.17E-04	1.91E-03	5.07E-05	2.27E-05	2.10E-03	1.07E-04	2.06E-09	6.76E-07	6.19E-07	1.08E-04	1.35E-04	1.91E-03	5.07E-05	2.27E-05	2.12E-03
4871	496863.09	3861877.25	0.0309	0.06198	0.0093	0.00755	1.25E-04	1.85E-03	5.96E-05	2.38E-05	2.06E-03	1.14E-04	2.00E-09	7.94E-07	6.50E-07	1.15E-04	1.45E-04	1.85E-03	5.96E-05	2.38E-05	2.08E-03
4872	497363.09	3861877.25	0.02939	0.05971	0.0091	0.00749	1.19E-04	1.78E-03	5.77E-05	2.36E-05	1.98E-03	1.08E-04	1.92E-09	7.70E-07	6.45E-07	1.09E-04	1.37E-04	1.78E-03	5.77E-05	2.36E-05	2.00E-03
4873	497863.09	3861877.25	0.02838	0.05702	0.0092	0.00739	1.15E-04	1.70E-03	5.89E-05	2.33E-05	1.90E-03	1.04E-04	1.84E-09	7.86E-07	6.36E-07	1.06E-04	1.33E-04	1.70E-03	5.89E-05	2.33E-05	1.92E-03
4874	498363.09	3861877.25	0.02761	0.05471	0.0094	0.00737	1.12E-04	1.63E-03	6.01E-05	2.33E-05	1.83E-03	1.02E-04	1.76E-09	8.01E-07	6.35E-07	1.03E-04	1.29E-04	1.63E-03	6.01E-05	2.33E-05	1.84E-03
4875	471363.09	3862377.25	0.01011	0.00904	0.0046	0.00283	4.09E-05	2.70E-04	2.93E-05	8.94E-06	3.49E-04	3.72E-05	2.91E-10	3.90E-07	2.44E-07	3.78E-05	4.73E-05	2.70E-04	2.93E-05	8.94E-06	3.55E-04
4876	471863.09	3862377.25	0.01052	0.00944	0.0047	0.00292	4.25E-05	2.82E-04	3.00E-05	9.22E-06	3.63E-04	3.87E-05	3.04E-10	4.01E-07	2.51E-07	3.93E-05	4.92E-05	2.82E-04	3.00E-05	9.22E-06	3.70E-04

4877	472363.09	3862377.25	0.01086	0.00997	0.0048	0.003	4.39E-05	2.97E-04	3.06E-05	9.47E-06	3.81E-04	3.99E-05	3.21E-10	4.08E-07	2.58E-07	4.06E-05	5.08E-05	2.97E-04	3.06E-05	9.47E-06	3.88E-04
4878	472863.09	3862377.25	0.01115	0.0105	0.0049	0.00309	4.51E-05	3.13E-04	3.11E-05	9.76E-06	3.99E-04	4.10E-05	3.38E-10	4.15E-07	2.66E-07	4.17E-05	5.21E-05	3.13E-04	3.11E-05	9.76E-06	4.06E-04
4879	473363.09	3862377.25	0.01142	0.01102	0.005	0.00319	4.62E-05	3.29E-04	3.16E-05	1.01E-05	4.17E-04	4.20E-05	3.55E-10	4.21E-07	2.75E-07	4.27E-05	5.34E-05	3.29E-04	3.16E-05	1.01E-05	4.24E-04
4880	473863.09	3862377.25	0.01173	0.01151	0.005	0.0033	4.74E-05	3.43E-04	3.21E-05	1.04E-05	4.33E-04	4.31E-05	3.71E-10	4.28E-07	2.84E-07	4.38E-05	5.49E-05	3.43E-04	3.21E-05	1.04E-05	4.41E-04
4881	474363.09	3862377.25	0.01211	0.01191	0.0051	0.00341	4.90E-05	3.55E-04	3.27E-05	1.08E-05	4.48E-04	4.45E-05	3.84E-10	4.36E-07	2.94E-07	4.53E-05	5.66E-05	3.55E-04	3.27E-05	1.08E-05	4.55E-04
4882	474863.09	3862377.25	0.01253	0.01219	0.0053	0.00354	5.06E-05	3.64E-04	3.37E-05	1.12E-05	4.59E-04	4.61E-05	3.93E-10	4.49E-07	3.05E-07	4.68E-05	5.86E-05	3.64E-04	3.37E-05	1.12E-05	4.67E-04
4883	475363.09	3862377.25	0.01294	0.01304	0.0054	0.0036	5.23E-05	3.89E-04	3.47E-05	1.14E-05	4.87E-04	4.76E-05	4.20E-10	4.63E-07	3.10E-07	4.83E-05	6.05E-05	3.89E-04	3.47E-05	1.14E-05	4.96E-04
4884	475863.09	3862377.25	0.0133	0.01384	0.0056	0.00368	5.38E-05	4.13E-04	3.55E-05	1.16E-05	5.14E-04	4.89E-05	4.46E-10	4.74E-07	3.17E-07	4.97E-05	6.22E-05	4.13E-04	3.55E-05	1.16E-05	5.22E-04
4885	476363.09	3862377.25	0.01359	0.01452	0.0057	0.00378	5.49E-05	4.33E-04	3.62E-05	1.19E-05	5.36E-04	5.00E-05	4.68E-10	4.82E-07	3.25E-07	5.08E-05	6.36E-05	4.33E-04	3.62E-05	1.19E-05	5.45E-04
4886	476863.09	3862377.25	0.01379	0.01509	0.0058	0.00389	5.57E-05	4.50E-04	3.67E-05	1.23E-05	5.55E-04	5.07E-05	4.86E-10	4.89E-07	3.35E-07	5.15E-05	6.45E-05	4.50E-04	3.67E-05	1.23E-05	5.64E-04
4887	477363.09	3862377.25	0.01389	0.01496	0.0059	0.00411	5.61E-05	4.46E-04	3.79E-05	1.30E-05	5.53E-04	5.11E-05	4.82E-10	5.05E-07	3.54E-07	5.19E-05	6.50E-05	4.46E-04	3.79E-05	1.30E-05	5.62E-04
4888	477863.09	3862377.25	0.01348	0.01094	0.0081	0.00526	5.45E-05	3.26E-04	5.19E-05	1.66E-05	4.49E-04	4.96E-05	3.53E-10	6.91E-07	4.53E-07	5.07E-05	6.30E-05	3.26E-04	5.19E-05	1.66E-05	4.58E-04
4889	478363.09	3862377.25	0.01234	0.00783	0.0075	0.00479	4.99E-05	2.34E-04	4.81E-05	1.51E-05	3.47E-04	4.54E-05	2.52E-10	6.41E-07	4.12E-07	4.64E-05	5.77E-05	2.34E-04	4.81E-05	1.51E-05	3.55E-04
4890	478863.09	3862377.25	0.0134	0.00856	0.0067	0.00439	5.42E-05	2.55E-04	4.27E-05	1.39E-05	3.66E-04	4.93E-05	2.76E-10	5.69E-07	3.78E-07	5.02E-05	6.27E-05	2.55E-04	4.27E-05	1.39E-05	3.75E-04
4891	479363.09	3862377.25	0.01564	0.01114	0.0072	0.00462	6.32E-05	3.32E-04	4.57E-05	1.46E-05	4.56E-04	5.75E-05	3.59E-10	6.10E-07	3.98E-07	5.85E-05	7.31E-05	3.32E-04	4.57E-05	1.46E-05	4.66E-04
4892	479863.09	3862377.25	0.01814	0.02099	0.0068	0.00449	7.33E-05	6.26E-04	4.34E-05	1.42E-05	7.57E-04	6.67E-05	6.77E-10	5.79E-07	3.87E-07	6.77E-05	8.48E-05	6.26E-04	4.34E-05	1.42E-05	7.69E-04
4893	480363.09	3862377.25	0.01921	0.02573	0.0069	0.00455	7.77E-05	7.68E-04	4.42E-05	1.44E-05	9.04E-04	7.06E-05	8.29E-10	5.89E-07	3.92E-07	7.16E-05	8.98E-05	7.68E-04	4.42E-05	1.44E-05	9.16E-04
4894	480863.09	3862377.25	0.02039	0.02803	0.0071	0.00466	8.24E-05	8.36E-04	4.54E-05	1.47E-05	9.79E-04	7.50E-05	9.03E-10	6.05E-07	4.01E-07	7.60E-05	9.54E-05	8.36E-04	4.54E-05	1.47E-05	9.92E-04
4895	481363.09	3862377.25	0.02171	0.03009	0.0073	0.00472	8.78E-05	8.98E-04	4.63E-05	1.49E-05	1.05E-03	7.98E-05	9.70E-10	6.17E-07	4.06E-07	8.08E-05	1.02E-04	8.98E-04	4.63E-05	1.49E-05	1.06E-03
4896	481863.09	3862377.25	0.02269	0.03225	0.0074	0.00478	9.17E-05	9.62E-04	4.73E-05	1.51E-05	1.12E-03	8.34E-05	1.04E-09	6.30E-07	4.12E-07	8.45E-05	1.06E-04	9.62E-04	4.73E-05	1.51E-05	1.13E-03
4897	482363.09	3862377.25	0.02337	0.03452	0.0075	0.00484	9.45E-05	1.03E-03	4.78E-05	1.53E-05	1.19E-03	8.59E-05	1.11E-09	6.38E-07	4.17E-07	8.70E-05	1.09E-04	1.03E-03	4.78E-05	1.53E-05	1.20E-03
4898	482863.09	3862377.25	0.02417	0.03668	0.0072	0.00503	9.77E-05	1.09E-03	4.62E-05	1.59E-05	1.25E-03	8.89E-05	1.18E-09	6.16E-07	4.33E-07	8.99E-05	1.13E-04	1.09E-03	4.62E-05	1.59E-05	1.27E-03
4899	483363.09	3862377.25	0.02495	0.03863	0.0066	0.00524	1.01E-04	1.15E-03	4.24E-05	1.65E-05	1.31E-03	9.17E-05	1.25E-09	5.65E-07	4.51E-07	9.27E-05	1.17E-04	1.15E-03	4.24E-05	1.65E-05	1.33E-03
4900	483863.09	3862377.25	0.02484	0.04162	0.0061	0.00547	1.00E-04	1.24E-03	3.87E-05	1.73E-05	1.40E-03	9.13E-05	1.34E-09	5.15E-07	4.71E-07	9.23E-05	1.16E-04	1.24E-03	3.87E-05	1.73E-05	1.41E-03
4901	484363.09	3862377.25	0.02474	0.04451	0.0056	0.00553	1.00E-04	1.33E-03	3.59E-05	1.75E-05	1.48E-03	9.10E-05	1.43E-09	4.79E-07	4.76E-07	9.19E-05	1.16E-04	1.33E-03	3.59E-05	1.75E-05	1.50E-03
4902	484863.09	3862377.25	0.02416	0.04744	0.005	0.00545	9.77E-05	1.42E-03	3.21E-05	1.72E-05	1.56E-03	8.88E-05	1.53E-09	4.29E-07	4.69E-07	8.97E-05	1.13E-04	1.42E-03	3.21E-05	1.72E-05	1.58E-03
4903	485363.09	3862377.25	0.02344	0.0506	0.0057	0.00527	9.47E-05	1.51E-03	3.63E-05	1.66E-05	1.66E-03	8.62E-05	1.63E-09	4.84E-07	4.54E-07	8.71E-05	1.10E-04	1.51E-03	3.63E-05	1.66E-05	1.67E-03
4904	485863.09	3862377.25	0.0223	0.05394	0.0055	0.00507	9.01E-05	1.61E-03	3.53E-05	1.60E-05	1.75E-03	8.20E-05	1.74E-09	4.70E-07	4.37E-07	8.29E-05	1.04E-04	1.61E-03	3.53E-05	1.60E-05	1.76E-03
4905	486363.09	3862377.25	0.02168	0.05801	0.0042	0.00498	8.76E-05	1.73E-03	2.69E-05	1.57E-05	1.86E-03	7.97E-05	1.87E-09	3.58E-07	4.29E-07	8.05E-05	1.01E-04	1.73E-03	2.69E-05	1.57E-05	1.87E-03
4906	486863.09	3862377.25	0.02165	0.06052	0.0044	0.00495	8.75E-05	1.81E-03	2.80E-05	1.56E-05	1.94E-03	7.96E-05	1.95E-09	3.73E-07	4.26E-07	8.04E-05	1.01E-04	1.81E-03	2.80E-05	1.56E-05	1.95E-03
4907	487363.09	3862377.25	0.0221	0.06306	0.0053	0.00497	8.93E-05	1.88E-03	3.37E-05	1.57E-05	2.02E-03	8.13E-05	2.03E-09	4.49E-07	4.28E-07	8.21E-05	1.03E-04	1.88E-03	3.37E-05	1.57E-05	2.03E-03
4908	487863.09	3862377.25	0.02263	0.06362	0.0064	0.00527	9.15E-05	1.90E-03	4.10E-05	1.66E-05	2.05E-03	8.32E-05	2.05E-09	5.46E-07	4.54E-07	8.42E-05	1.06E-04	1.90E-03	4.10E-05	1.66E-05	2.06E-03
4909	488363.09	3862377.25	0.0222	0.06184	0.0059	0.00556	8.97E-05	1.84E-03	3.74E-05	1.76E-05	1.99E-03	8.16E-05	1.99E-09	4.99E-07	4.79E-07	8.26E-05	1.04E-04	1.84E-03	3.74E-05	1.76E-05	2.00E-03
4910	488863.09	3862377.25	0.02187	0.0622	0.0043	0.00547	8.84E-05	1.86E-03	2.75E-05	1.73E-05	1.99E-03	8.04E-05	2.00E-09	3.67E-07	4.71E-07	8.12E-05	1.02E-04	1.86E-03	2.75E-05	1.73E-05	2.00E-03
4911	489363.09	3862377.25	0.02256	0.06383	0.0039	0.00524	9.12E-05	1.90E-03	2.49E-05	1.65E-05	2.04E-03	8.29E-05	2.06E-09	3.32E-07	4.51E-07	8.37E-05	1.06E-04	1.90E-03	2.49E-05	1.65E-05	2.05E-03
4912	489863.09	3862377.25	0.02327	0.0653	0.0038	0.00561	9.41E-05	1.95E-03	2.40E-05	1.77E-05	2.08E-03	8.56E-05	2.10E-09	3.20E-07	4.83E-07	8.64E-05	1.09E-04	1.95E-03	2.40E-05	1.77E-05	2.10E-03
4913	490363.09	3862377.25	0.0234	0.0669	0.0046	0.00578	9.46E-05	2.00E-03	2.96E-05	1.82E-05	2.14E-03	8.60E-05	2.16E-09	3.95E-07	4.98E-07	8.69E-05	1.09E-04	2.00E-03	2.96E-05	1.82E-05	2.15E-03
4914	490863.09	3862377.25	0.02384	0.06656	0.0061	0.00564	9.64E-05	1.99E-03	3.89E-05	1.78E-05	2.14E-03	8.76E-05	2.15E-09	5.19E-07	4.86E-07	8.87E-05	1.11E-04	1.99E-03	3.89E-05	1.78E-05	2.15E-03
4915	491363.09	3862377.25	0.02379	0.06494	0.0068	0.00556	9.62E-05	1.94E-03	4.32E-05	1.76E-05	2.09E-03	8.75E-05	2.09E-09	5.76E-07	4.79E-07	8.85E-05	1.11E-04	1.94E-03	4.32E-05	1.76E-05	2.11E-03
4916	491863.09	3862377.25	0.024	0.06373	0.0067	0.00543	9.70E-05	1.90E-03	4.27E-05	1.71E-05	2.06E-03	8.82E-05	2.05E-09	5.70E-07	4.68E-07	8.93E-05	1.12E-04	1.90E-03	4.27E-05	1.71E-05	2.07E-03
4917	492363.09	3862377.25	0.0253	0.06407	0.0067	0.00541	1.02E-04	1.91E-03	4.28E-05	1.71E-05	2.07E-03	9.30E-05	2.07E-09	5.71E-07	4.66E-07	9.41E-05	1.18E-04	1.91E-03	4.28E-05	1.71E-05	2.09E-03
4918	492863.09	3862377.25	0.0253	0.06412	0.0071	0.00548	1.02E-04	1.91E-03	4.54E-05	1.73E-05	2.08E-03	9.30E-05	2.07E-09	6.06E-07	4.72E-07	9.41E-05	1.18E-04	1.91E-03	4.54E-05	1.73E-05	2.09E-03
4919	493363.09	3862377.25	0.02394	0.06359	0.007	0.00557	9.68E-05	1.90E-03	4.43E-05	1.76E-05	2.06E-03	8.80E-05	2.05E-09	5.91E-07	4.80E-07	8.91E-05	1.12E-04	1.90E-03	4.43E-05	1.76E-05	2.07E-03
4920	493863.09	3862377.25	0.02271	0.06278	0.0065	0.00565	9.18E-05	1.87E-03	4.12E-05	1.78E-05	2.02E-03	8.35E-05	2.02E-09	5.49E-07	4.87E-07	8.45E-05	1.06E-04	1.87E-03	4.12E-05	1.78E-05	2.04E-03
4921	494363.09	3862377.25	0.02231	0.06162	0.0064	0.00571	9.02E-05	1.84E-03	4.11E-05	1.80E-05	1.99E-03	8.20E-05	1.99E-09	5.48E-07	4.92E-07	8.31E-05	1.04E-04	1.84E-03	4.11E-05	1.80E-05	2.00E-03
4922	494863.09	3862377.25	0.02236	0.06006	0.0069	0.00575	9.04E-05	1.79E-03	4.38E-05	1.82E-05	1.94E-03	8.22E-05	1.94E-09	5.83E-07	4.95E-07	8.33E-05	1.05E-04	1.79E-03	4.38E-05	1.82E-05	1.96E-03
4923	495363.09	3862377.25	0.02235	0.05768	0.0072	0.00572	9.03E-05	1.72E-03	4.61E-05	1.81E-05	1.88E-03	8.22E-05	1.86E-09	6.14E-07	4.93E-07	8.33E-05	1.05E-04	1.72E-03	4.61E-05	1.81E-05	1.89E-03
4924	495863.09	3862377.25	0.02275	0.0556	0.0072	0.00572	9.20E-05	1.66E-03	4.61E-05	1.81E-05	1.81E-03	8.36E-05	1.79E-09	6.14E-07	4.93E-07	8.47E-05	1.06E-04	1.66E-03	4.61E-05	1.81E-05	1.83E-03
4925	496363.09	3862377.25	0.02352	0.05356	0.0069	0.00572	9.51E-05	1.60E-03	4.42E-05	1.81E-05	1.76E-03	8.65E-05	1.73E-09	5.89E-07	4.93E-07	8.76E-05	1.10E-04	1.60E-03	4.42E-05	1.81E-05	1.77E-03
4926	496863.09	3862377.25	0.02465	0.05224	0.0068	0.0058	9.96E-05	1.56E-03	4.32E-05	1.83E-05	1.72E-03	9.06E-05	1.68E-09	5.76E-07	4.99E-07	9.17E-05	1.15E-04	1.56E-03	4.32E-05	1.83E-05	1.74E-03
4927	497363.09	3862377.25	0.02503	0.05024	0.0068	0.00581	1.01E-04	1.50E-03	4.34E-05	1.83E-05	1.66E-03	9.20E-05	1.62E-09	5.79E-07	5.00E-07	9.31E-05	1.17E-04	1.50E-03	4.34E-05	1.83E-05	1.68E-03
4928	497863.09	3862377.25	0.02502	0.04854	0.0071	0.00585	1.01E-04	1.45E-03	4.52E-05	1.85E-05	1.61E-03	9.20E-05	1.56E-09	6.03E-07	5.04E-07	9.31E-05	1.17E-04	1.45E-03	4.52E-05	1.85E-05	1.63E-03
4929	498363.09	3862377.25	0.0245	0.04675	0.0074	0.00587	9.90E-05	1.39E-03	4.73E-05	1.85E-05	1.56E-03	9.01E-05	1.51E-09	6.30E-07	5.05E-07	9.12E-05	1.15E-04	1.39E-03	4.73E-05	1.85E-05	1.58E-03
4930	471363.09	3862877.25	0.00971	0.00891	0.0045	0.00282	3.92E-05	2.66E-04	2.85E-05	8.90E-06	3.42E-04	3.57E-05	2.87E-10	3.80E-07	2.43E-07	3.63E-05	4.54E-05	2.66E-04	2.85E-05	8.90E-06	3.49E-04
4931	471863.09	3862877.25	0.00995	0.00935	0.0045	0.00291	4.02E-05	2.79E-04	2.88E-05	9.19E-06	3.57E-04	3.66E-05	3.01E-10	3.84E-07	2.51E-07	3.72E-05	4.65E-05	2.79E-04	2.88E-05	9.19E-06	3.63E-04
4932	472363.09	3862877.25	0.01017	0.00983	0.0046	0.003	4.11E-05	2.93E-04	2.93E-05	9.47E-06	3.73E-04	3.74E-05	3.17E-10	3.91E-07	2.58E-07	3.80E-05	4.76E-05	2.93E-04	2.93E-05	9.47E-06	3.80E-04
4933	472863.09	3862877.25	0.01041	0.01025	0.0047	0.00309	4.21E-05	3.06E-04	2.99E-05	9.76E-06	3.88E-04	3.83E-05	3.30E-10	3.99E-07	2.66E-07	3.89E-05	4.87E-05	3.06E-04	2.99E-05	9.76E-06	3.94E-04
4934	473363.09	3862877.25	0.01068	0.01069	0.0048	0.00318	4.32E-05	3.19E-04	3.07E-05	1.00E-05	4.03E-04	3.93E-05	3.45E-10	4.10E-07	2.74E-07	3.99E-05	4.99E-05	3.19E-04	3.07E-05	1.00E-05	4.10E-04
4935	473863.09	3862877.25	0.01099	0.01114	0.005	0.00327	4.44E-05	3.32E-04	3.16E-05	1.03E-05	4.19E-04	4.04E-05	3.59E-10	4.22E-07	2.82E-07	4.11E-05	5.14E-05	3.32E-04	3.16E-05	1.03E-05	4.26E-04
4936	474363.09	3862877.25	0.01132	0.01158	0.0051	0.00336	4.58E-05	3.45E-04	3.24E-05	1.06E-05	4.34E-04	4.16E-05	3.73E-10	4.32E-07	2.89E-07	4.23E-05	5.29E-05	3.45E-04	3.24E-05	1.06E-05	4.41E-04
4937	474863.09	3862877.25	0.0116	0.01208	0.0052	0.00346	4.69E-05	3.60E-04	3.30E-05	1.09E-05	4.51E-04	4.26E-05	3.89E-10	4.40E-07	2.98E-07	4.34E-05	5.42E-05	3.60E-04	3.30E-05	1.09E-05	4.59E-04

4938	475363.09	3862877.25	0.0118	0.0128	0.0052	0.00352	4.77E-05	3.82E-04	3.30E-05	1.11E-05	4.74E-04	4.34E-05	4.13E-10	4.41E-07	3.03E-07	4.41E-05	5.52E-05	3.82E-04	3.30E-05	1.11E-05	4.81E-04
4939	475863.09	3862877.25	0.01195	0.01352	0.0051	0.00359	4.83E-05	4.03E-04	3.28E-05	1.13E-05	4.96E-04	4.39E-05	4.36E-10	4.37E-07	3.09E-07	4.47E-05	5.59E-05	4.03E-04	3.28E-05	1.13E-05	5.03E-04
4940	476363.09	3862877.25	0.01209	0.0143	0.0051	0.00364	4.89E-05	4.27E-04	3.25E-05	1.15E-05	5.19E-04	4.44E-05	4.61E-10	4.33E-07	3.13E-07	4.52E-05	5.65E-05	4.27E-04	3.25E-05	1.15E-05	5.27E-04
4941	476863.09	3862877.25	0.01235	0.01495	0.0051	0.0037	4.99E-05	4.46E-04	3.27E-05	1.17E-05	5.40E-04	4.54E-05	4.82E-10	4.35E-07	3.19E-07	4.62E-05	5.78E-05	4.46E-04	3.27E-05	1.17E-05	5.48E-04
4942	477363.09	3862877.25	0.01281	0.01543	0.0053	0.00379	5.18E-05	4.60E-04	3.36E-05	1.20E-05	5.58E-04	4.71E-05	4.97E-10	4.48E-07	3.26E-07	4.79E-05	5.99E-05	4.60E-04	3.36E-05	1.20E-05	5.66E-04
4943	477863.09	3862877.25	0.01333	0.01414	0.0057	0.00407	5.39E-05	4.22E-04	3.65E-05	1.29E-05	5.25E-04	4.90E-05	4.56E-10	4.86E-07	3.50E-07	4.98E-05	6.23E-05	4.22E-04	3.65E-05	1.29E-05	5.34E-04
4944	478363.09	3862877.25	0.01327	0.01031	0.0064	0.00423	5.36E-05	3.08E-04	4.06E-05	1.34E-05	4.15E-04	4.88E-05	3.32E-10	5.41E-07	3.64E-07	4.97E-05	6.21E-05	3.08E-04	4.06E-05	1.34E-05	4.24E-04
4945	478863.09	3862877.25	0.01417	0.01096	0.0067	0.00435	5.73E-05	3.27E-04	4.24E-05	1.37E-05	4.40E-04	5.21E-05	3.53E-10	5.66E-07	3.75E-07	5.30E-05	6.63E-05	3.27E-04	4.24E-05	1.37E-05	4.49E-04
4946	479363.09	3862877.25	0.01491	0.01219	0.0067	0.00435	6.03E-05	3.64E-04	4.29E-05	1.37E-05	4.81E-04	5.48E-05	3.93E-10	5.72E-07	3.75E-07	5.58E-05	6.97E-05	3.64E-04	4.29E-05	1.37E-05	4.90E-04
4947	479863.09	3862877.25	0.01681	0.02207	0.0064	0.00422	6.79E-05	6.58E-04	4.07E-05	1.33E-05	7.80E-04	6.18E-05	7.11E-10	5.43E-07	3.63E-07	6.27E-05	7.86E-05	6.58E-04	4.07E-05	1.33E-05	7.91E-04
4948	480363.09	3862877.25	0.01771	0.02434	0.0066	0.00434	7.16E-05	7.26E-04	4.18E-05	1.37E-05	8.53E-04	6.51E-05	7.84E-10	5.57E-07	3.74E-07	6.60E-05	8.28E-05	7.26E-04	4.18E-05	1.37E-05	8.64E-04
4949	480863.09	3862877.25	0.01888	0.02605	0.0067	0.00437	7.63E-05	7.77E-04	4.27E-05	1.38E-05	9.10E-04	6.94E-05	8.40E-10	5.70E-07	3.76E-07	7.04E-05	8.83E-05	7.77E-04	4.27E-05	1.38E-05	9.22E-04
4950	481363.09	3862877.25	0.01984	0.02772	0.0068	0.0044	8.02E-05	8.27E-04	4.31E-05	1.39E-05	9.64E-04	7.29E-05	8.93E-10	5.74E-07	3.79E-07	7.39E-05	9.28E-05	8.27E-04	4.31E-05	1.39E-05	9.77E-04
4951	481863.09	3862877.25	0.02061	0.02872	0.0069	0.0044	8.33E-05	8.57E-04	4.39E-05	1.39E-05	9.98E-04	7.58E-05	9.26E-10	5.85E-07	3.79E-07	7.67E-05	9.64E-05	8.57E-04	4.39E-05	1.39E-05	1.01E-03
4952	482363.09	3862877.25	0.02076	0.03062	0.0064	0.00451	8.39E-05	9.13E-04	4.08E-05	1.42E-05	1.05E-03	7.63E-05	9.87E-10	5.43E-07	3.88E-07	7.73E-05	9.71E-05	9.13E-04	4.08E-05	1.42E-05	1.07E-03
4953	482863.09	3862877.25	0.02155	0.03229	0.0059	0.00465	8.71E-05	9.63E-04	3.76E-05	1.47E-05	1.10E-03	7.92E-05	1.04E-09	5.01E-07	4.00E-07	8.01E-05	1.01E-04	9.63E-04	3.76E-05	1.47E-05	1.12E-03
4954	483363.09	3862877.25	0.02198	0.0341	0.0055	0.00483	8.88E-05	1.02E-03	3.53E-05	1.53E-05	1.16E-03	8.08E-05	1.10E-09	4.70E-07	4.16E-07	8.17E-05	1.03E-04	1.02E-03	3.53E-05	1.53E-05	1.17E-03
4955	483863.09	3862877.25	0.02178	0.03595	0.0051	0.00498	8.80E-05	1.07E-03	3.27E-05	1.57E-05	1.21E-03	8.01E-05	1.16E-09	4.36E-07	4.29E-07	8.09E-05	1.02E-04	1.07E-03	3.27E-05	1.57E-05	1.22E-03
4956	484363.09	3862877.25	0.02157	0.03747	0.0047	0.00494	8.72E-05	1.12E-03	2.99E-05	1.56E-05	1.25E-03	7.93E-05	1.21E-09	3.99E-07	4.25E-07	8.01E-05	1.01E-04	1.12E-03	2.99E-05	1.56E-05	1.26E-03
4957	484863.09	3862877.25	0.02127	0.03951	0.005	0.00477	8.60E-05	1.18E-03	3.20E-05	1.51E-05	1.31E-03	7.82E-05	1.27E-09	4.27E-07	4.11E-07	7.90E-05	9.95E-05	1.18E-03	3.20E-05	1.51E-05	1.33E-03
4958	485363.09	3862877.25	0.02065	0.04225	0.0058	0.00448	8.35E-05	1.26E-03	3.70E-05	1.41E-05	1.40E-03	7.59E-05	1.36E-09	4.93E-07	3.86E-07	7.68E-05	9.66E-05	1.26E-03	3.70E-05	1.41E-05	1.41E-03
4959	485863.09	3862877.25	0.01949	0.04499	0.0045	0.00431	7.88E-05	1.34E-03	2.87E-05	1.36E-05	1.46E-03	7.17E-05	1.45E-09	3.83E-07	3.71E-07	7.24E-05	9.11E-05	1.34E-03	2.87E-05	1.36E-05	1.48E-03
4960	486363.09	3862877.25	0.01912	0.04763	0.004	0.00425	7.73E-05	1.42E-03	2.53E-05	1.34E-05	1.54E-03	7.03E-05	1.54E-09	3.37E-07	3.66E-07	7.10E-05	8.94E-05	1.42E-03	2.53E-05	1.34E-05	1.55E-03
4961	486863.09	3862877.25	0.01891	0.04773	0.0041	0.00422	7.64E-05	1.42E-03	2.62E-05	1.33E-05	1.54E-03	6.95E-05	1.54E-09	3.50E-07	3.63E-07	7.02E-05	8.84E-05	1.42E-03	2.62E-05	1.33E-05	1.55E-03
4962	487363.09	3862877.25	0.01937	0.0488	0.0051	0.00421	7.83E-05	1.46E-03	3.25E-05	1.33E-05	1.58E-03	7.12E-05	1.57E-09	4.33E-07	3.63E-07	7.20E-05	9.06E-05	1.46E-03	3.25E-05	1.33E-05	1.59E-03
4963	487863.09	3862877.25	0.01998	0.04907	0.006	0.00448	8.08E-05	1.46E-03	3.85E-05	1.41E-05	1.60E-03	7.35E-05	1.58E-09	5.14E-07	3.86E-07	7.44E-05	9.34E-05	1.46E-03	3.85E-05	1.41E-05	1.61E-03
4964	488363.09	3862877.25	0.01986	0.04767	0.0056	0.00473	8.03E-05	1.42E-03	3.55E-05	1.49E-05	1.55E-03	7.30E-05	1.54E-09	4.73E-07	4.07E-07	7.39E-05	9.29E-05	1.42E-03	3.55E-05	1.49E-05	1.57E-03
4965	488863.09	3862877.25	0.01923	0.04765	0.0041	0.00449	7.77E-05	1.42E-03	2.58E-05	1.42E-05	1.54E-03	7.07E-05	1.54E-09	3.44E-07	3.87E-07	7.14E-05	8.99E-05	1.42E-03	2.58E-05	1.42E-05	1.55E-03
4966	489363.09	3862877.25	0.01945	0.04875	0.0037	0.0044	7.86E-05	1.45E-03	2.39E-05	1.39E-05	1.57E-03	7.15E-05	1.57E-09	3.18E-07	3.79E-07	7.22E-05	9.10E-05	1.45E-03	2.39E-05	1.39E-05	1.58E-03
4967	489863.09	3862877.25	0.02028	0.04952	0.0033	0.0046	8.20E-05	1.48E-03	2.13E-05	1.45E-05	1.60E-03	7.46E-05	1.60E-09	2.84E-07	3.96E-07	7.52E-05	9.48E-05	1.48E-03	2.13E-05	1.45E-05	1.61E-03
4968	490363.09	3862877.25	0.02054	0.05062	0.0037	0.00488	8.30E-05	1.51E-03	2.36E-05	1.54E-05	1.63E-03	7.55E-05	1.63E-09	3.15E-07	4.20E-07	7.63E-05	9.61E-05	1.51E-03	2.36E-05	1.54E-05	1.65E-03
4969	490863.09	3862877.25	0.02064	0.05179	0.0048	0.00489	8.34E-05	1.55E-03	3.05E-05	1.54E-05	1.67E-03	7.59E-05	1.67E-09	4.07E-07	4.21E-07	7.67E-05	9.65E-05	1.55E-03	3.05E-05	1.54E-05	1.69E-03
4970	491363.09	3862877.25	0.0213	0.052	0.006	0.00486	8.61E-05	1.55E-03	3.81E-05	1.53E-05	1.69E-03	7.83E-05	1.68E-09	5.08E-07	4.18E-07	7.92E-05	9.96E-05	1.55E-03	3.81E-05	1.53E-05	1.70E-03
4971	491863.09	3862877.25	0.02089	0.0502	0.0062	0.00475	8.44E-05	1.50E-03	3.97E-05	1.50E-05	1.64E-03	7.68E-05	1.62E-09	5.29E-07	4.09E-07	7.77E-05	9.77E-05	1.50E-03	3.97E-05	1.50E-05	1.65E-03
4972	492363.09	3862877.25	0.02123	0.04906	0.0061	0.00464	8.58E-05	1.46E-03	3.92E-05	1.47E-05	1.60E-03	7.81E-05	1.58E-09	5.22E-07	4.00E-07	7.90E-05	9.93E-05	1.46E-03	3.92E-05	1.47E-05	1.62E-03
4973	492863.09	3862877.25	0.02232	0.04899	0.0061	0.00456	9.02E-05	1.46E-03	3.90E-05	1.44E-05	1.61E-03	8.21E-05	1.58E-09	5.20E-07	3.93E-07	8.30E-05	1.04E-04	1.46E-03	3.90E-05	1.44E-05	1.62E-03
4974	493363.09	3862877.25	0.02251	0.04962	0.0065	0.0046	9.10E-05	1.48E-03	4.16E-05	1.45E-05	1.63E-03	8.28E-05	1.60E-09	5.55E-07	3.96E-07	8.37E-05	1.05E-04	1.48E-03	4.16E-05	1.45E-05	1.64E-03
4975	493863.09	3862877.25	0.02154	0.05008	0.0065	0.0047	8.71E-05	1.49E-03	4.12E-05	1.48E-05	1.64E-03	7.92E-05	1.61E-09	5.49E-07	4.05E-07	8.01E-05	1.01E-04	1.49E-03	4.12E-05	1.48E-05	1.65E-03
4976	494363.09	3862877.25	0.02035	0.04993	0.006	0.00476	8.23E-05	1.49E-03	3.80E-05	1.50E-05	1.62E-03	7.48E-05	1.61E-09	5.06E-07	4.10E-07	7.57E-05	9.52E-05	1.49E-03	3.80E-05	1.50E-05	1.64E-03
4977	494863.09	3862877.25	0.01968	0.04924	0.0057	0.00477	7.96E-05	1.47E-03	3.63E-05	1.51E-05	1.60E-03	7.24E-05	1.59E-09	4.84E-07	4.11E-07	7.32E-05	9.20E-05	1.47E-03	3.63E-05	1.51E-05	1.61E-03
4978	495363.09	3862877.25	0.0196	0.04848	0.0059	0.00479	7.92E-05	1.45E-03	3.78E-05	1.51E-05	1.58E-03	7.21E-05	1.56E-09	5.04E-07	4.12E-07	7.30E-05	9.17E-05	1.45E-03	3.78E-05	1.51E-05	1.59E-03
4979	495863.09	3862877.25	0.01966	0.04742	0.0064	0.0048	7.95E-05	1.41E-03	4.06E-05	1.52E-05	1.55E-03	7.23E-05	1.53E-09	5.42E-07	4.13E-07	7.32E-05	9.19E-05	1.41E-03	4.06E-05	1.52E-05	1.56E-03
4980	496363.09	3862877.25	0.0198	0.04604	0.0066	0.0048	8.00E-05	1.37E-03	4.22E-05	1.52E-05	1.51E-03	7.28E-05	1.48E-09	5.62E-07	4.13E-07	7.38E-05	9.26E-05	1.37E-03	4.22E-05	1.52E-05	1.52E-03
4981	496863.09	3862877.25	0.02023	0.04456	0.0065	0.0048	8.18E-05	1.33E-03	4.13E-05	1.52E-05	1.47E-03	7.44E-05	1.44E-09	5.51E-07	4.13E-07	7.53E-05	9.46E-05	1.33E-03	4.13E-05	1.52E-05	1.48E-03
4982	497363.09	3862877.25	0.02088	0.04301	0.0062	0.00479	8.44E-05	1.28E-03	3.92E-05	1.51E-05	1.42E-03	7.68E-05	1.39E-09	5.23E-07	4.12E-07	7.77E-05	9.76E-05	1.28E-03	3.92E-05	1.51E-05	1.44E-03
4983	497863.09	3862877.25	0.02154	0.0417	0.0059	0.00482	8.71E-05	1.24E-03	3.78E-05	1.52E-05	1.38E-03	7.92E-05	1.34E-09	5.03E-07	4.15E-07	8.01E-05	1.01E-04	1.24E-03	3.78E-05	1.52E-05	1.40E-03
4984	498363.09	3862877.25	0.02199	0.04065	0.006	0.00487	8.89E-05	1.21E-03	3.80E-05	1.54E-05	1.35E-03	8.08E-05	1.31E-09	5.06E-07	4.19E-07	8.18E-05	1.03E-04	1.21E-03	3.80E-05	1.54E-05	1.37E-03
4985	471363.09	3863377.25	0.00915	0.00883	0.0043	0.00284	3.70E-05	2.63E-04	2.75E-05	8.97E-06	3.37E-04	3.36E-05	2.85E-10	3.67E-07	2.45E-07	3.43E-05	4.28E-05	2.63E-04	2.75E-05	8.97E-06	3.43E-04
4986	471863.09	3863377.25	0.00934	0.0092	0.0044	0.00293	3.78E-05	2.74E-04	2.82E-05	9.25E-06	3.50E-04	3.43E-05	2.97E-10	3.76E-07	2.52E-07	3.50E-05	4.37E-05	2.74E-04	2.82E-05	9.25E-06	3.56E-04
4987	472363.09	3863377.25	0.00954	0.00959	0.0046	0.00302	3.86E-05	2.86E-04	2.90E-05	9.54E-06	3.63E-04	3.51E-05	3.09E-10	3.87E-07	2.60E-07	3.57E-05	4.46E-05	2.86E-04	2.90E-05	9.54E-06	3.69E-04
4988	472863.09	3863377.25	0.00977	0.00999	0.0047	0.0031	3.95E-05	2.98E-04	2.99E-05	9.79E-06	3.77E-04	3.59E-05	3.22E-10	3.98E-07	2.67E-07	3.66E-05	4.57E-05	2.98E-04	2.99E-05	9.79E-06	3.83E-04
4989	473363.09	3863377.25	0.00999	0.01042	0.0048	0.00317	4.04E-05	3.11E-04	3.04E-05	1.00E-05	3.92E-04	3.67E-05	3.36E-10	4.05E-07	2.73E-07	3.74E-05	4.67E-05	3.11E-04	3.04E-05	1.00E-05	3.98E-04
4990	473863.09	3863377.25	0.0102	0.01086	0.0048	0.00324	4.12E-05	3.24E-04	3.06E-05	1.02E-05	4.06E-04	3.75E-05	3.50E-10	4.07E-07	2.79E-07	3.82E-05	4.77E-05	3.24E-04	3.06E-05	1.02E-05	4.12E-04
4991	474363.09	3863377.25	0.01036	0.01131	0.0048	0.00331	4.19E-05	3.37E-04	3.04E-05	1.05E-05	4.20E-04	3.81E-05	3.65E-10	4.06E-07	2.85E-07	3.88E-05	4.84E-05	3.37E-04	3.04E-05	1.05E-05	4.27E-04
4992	474863.09	3863377.25	0.01045	0.01196	0.0047	0.00336	4.22E-05	3.57E-04	3.02E-05	1.06E-05	4.40E-04	3.84E-05	3.85E-10	4.02E-07	2.89E-07	3.91E-05	4.89E-05	3.57E-04	3.02E-05	1.06E-05	4.46E-04
4993	475363.09	3863377.25	0.01058	0.01257	0.0047	0.0034	4.28E-05	3.75E-04	2.99E-05	1.07E-05	4.58E-04	3.89E-05	4.05E-10	3.98E-07	2.93E-07	3.96E-05	4.95E-05	3.75E-04	2.99E-05	1.07E-05	4.65E-04
4994	475863.09	3863377.25	0.01076	0.01326	0.0047	0.00343	4.35E-05	3.96E-04	3.00E-05	1.08E-05	4.80E-04	3.96E-05	4.27E-10	4.00E-07	2.95E-07	4.03E-05	5.03E-05	3.96E-04	3.00E-05	1.08E-05	4.87E-04
4995	476363.09	3863377.25	0.01103	0.0141	0.0049	0.00344	4.46E-05	4.21E-04	3.09E-05	1.09E-05	5.07E-04	4.06E-05	4.54E-10	4.12E-07	2.96E-07	4.13E-05	5.16E-05	4.21E-04	3.09E-05	1.09E-05	5.14E-04
4996	476863.09	3863377.25	0.01147	0.01494	0.0051	0.00347	4.64E-05	4.46E-04	3.26E-05	1.10E-05	5.36E-04	4.22E-05	4.82E-10	4.35E-07	2.99E-07	4.29E-05	5.36E-05	4.46E-04	3.26E-05	1.10E-05	5.43E-04
4997	477363.09	3863377.25	0.0121	0.01566	0.0054	0.00353	4.89E-05	4.67E-04	3.44E-05	1.11E-05	5.62E-04	4.45E-05	5.05E-10	4.58E-07	3.04E-07	4.52E-05	5.66E-05	4.67E-04	3.44E-05	1.11E-05	5.69E-04
4998	477863.09	3863377.25	0.01285	0.0158	0.0056	0.00368	5.19E-05	4.71E-04	3.59E-05	1.16E-05	5.71E-04	4.72E-05	5.09E-10	4.79E-07	3.17E-07	4.80E-05	6.01E-05	4.71E-04	3.59E-05	1.16E-05	5.79E-04

4999	478363.09	3863377.25	0.01344	0.01402	0.0059	0.00395	5.43E-05	4.18E-04	3.76E-05	1.25E-05	5.23E-04	4.94E-05	4.52E-10	5.01E-07	3.40E-07	5.03E-05	6.29E-05	4.18E-04	3.76E-05	1.25E-05	5.31E-04
5000	478863.09	3863377.25	0.01405	0.01558	0.006	0.00397	5.68E-05	4.65E-04	3.81E-05	1.25E-05	5.72E-04	5.17E-05	5.02E-10	5.08E-07	3.42E-07	5.25E-05	6.57E-05	4.65E-04	3.81E-05	1.25E-05	5.81E-04
5001	479363.09	3863377.25	0.01485	0.01881	0.006	0.00394	6.00E-05	5.61E-04	3.81E-05	1.24E-05	6.72E-04	5.46E-05	6.06E-10	5.09E-07	3.39E-07	5.54E-05	6.94E-05	5.61E-04	3.81E-05	1.24E-05	6.81E-04
5002	479863.09	3863377.25	0.01551	0.0214	0.0061	0.00402	6.27E-05	6.38E-04	3.90E-05	1.27E-05	7.53E-04	5.70E-05	6.90E-10	5.20E-07	3.46E-07	5.79E-05	7.25E-05	6.38E-04	3.90E-05	1.27E-05	7.63E-04
5003	480363.09	3863377.25	0.01643	0.02269	0.0061	0.00412	6.64E-05	6.77E-04	3.90E-05	1.30E-05	7.95E-04	6.04E-05	7.31E-10	5.20E-07	3.55E-07	6.13E-05	7.68E-05	6.77E-04	3.90E-05	1.30E-05	8.06E-04
5004	480863.09	3863377.25	0.01748	0.02376	0.0063	0.00411	7.07E-05	7.09E-04	3.99E-05	1.30E-05	8.32E-04	6.43E-05	7.66E-10	5.32E-07	3.54E-07	6.52E-05	8.17E-05	7.09E-04	3.99E-05	1.30E-05	8.43E-04
5005	481363.09	3863377.25	0.01801	0.02484	0.0061	0.00412	7.28E-05	7.41E-04	3.89E-05	1.30E-05	8.66E-04	6.62E-05	8.01E-10	5.19E-07	3.55E-07	6.71E-05	8.42E-05	7.41E-04	3.89E-05	1.30E-05	8.77E-04
5006	481863.09	3863377.25	0.01823	0.02597	0.0057	0.00412	7.37E-05	7.75E-04	3.65E-05	1.30E-05	8.98E-04	6.70E-05	8.37E-10	4.87E-07	3.55E-07	6.79E-05	8.53E-05	7.75E-04	3.65E-05	1.30E-05	9.10E-04
5007	482363.09	3863377.25	0.01865	0.02729	0.0053	0.00419	7.54E-05	8.14E-04	3.36E-05	1.32E-05	9.36E-04	6.86E-05	8.80E-10	4.48E-07	3.61E-07	6.94E-05	8.72E-05	8.14E-04	3.36E-05	1.32E-05	9.48E-04
5008	482863.09	3863377.25	0.01924	0.02856	0.005	0.00431	7.78E-05	8.52E-04	3.17E-05	1.36E-05	9.75E-04	7.07E-05	9.21E-10	4.23E-07	3.71E-07	7.15E-05	9.00E-05	8.52E-04	3.17E-05	1.36E-05	9.87E-04
5009	483363.09	3863377.25	0.01936	0.02975	0.0047	0.00446	7.83E-05	8.88E-04	3.00E-05	1.41E-05	1.01E-03	7.12E-05	9.59E-10	4.01E-07	3.84E-07	7.20E-05	9.05E-05	8.88E-04	3.00E-05	1.41E-05	1.02E-03
5010	483863.09	3863377.25	0.01912	0.03091	0.0043	0.00452	7.73E-05	9.22E-04	2.75E-05	1.43E-05	1.04E-03	7.03E-05	9.96E-10	3.67E-07	3.89E-07	7.11E-05	8.94E-05	9.22E-04	2.75E-05	1.43E-05	1.05E-03
5011	484363.09	3863377.25	0.01896	0.03225	0.0044	0.00439	7.66E-05	9.62E-04	2.82E-05	1.39E-05	1.08E-03	6.97E-05	1.04E-09	3.76E-07	3.78E-07	7.05E-05	8.87E-05	9.62E-04	2.82E-05	1.39E-05	1.09E-03
5012	484863.09	3863377.25	0.01906	0.03404	0.0055	0.00418	7.70E-05	1.02E-03	3.50E-05	1.32E-05	1.14E-03	7.01E-05	1.10E-09	4.67E-07	3.60E-07	7.09E-05	8.91E-05	1.02E-03	3.50E-05	1.32E-05	1.15E-03
5013	485363.09	3863377.25	0.01824	0.03604	0.0051	0.00389	7.37E-05	1.08E-03	3.25E-05	1.23E-05	1.19E-03	6.71E-05	1.16E-09	4.34E-07	3.35E-07	6.78E-05	8.53E-05	1.08E-03	3.25E-05	1.23E-05	1.21E-03
5014	485863.09	3863377.25	0.01729	0.03824	0.0038	0.00378	6.99E-05	1.14E-03	2.42E-05	1.19E-05	1.25E-03	6.36E-05	1.23E-09	3.22E-07	3.25E-07	6.42E-05	8.09E-05	1.14E-03	2.42E-05	1.19E-05	1.26E-03
5015	486363.09	3863377.25	0.01688	0.0393	0.0038	0.00382	6.82E-05	1.17E-03	2.42E-05	1.21E-05	1.28E-03	6.21E-05	1.27E-09	3.22E-07	3.29E-07	6.27E-05	7.89E-05	1.17E-03	2.42E-05	1.21E-05	1.29E-03
5016	486863.09	3863377.25	0.01674	0.03895	0.0039	0.00371	6.77E-05	1.16E-03	2.49E-05	1.17E-05	1.27E-03	6.15E-05	1.26E-09	3.33E-07	3.19E-07	6.22E-05	7.83E-05	1.16E-03	2.49E-05	1.17E-05	1.28E-03
5017	487363.09	3863377.25	0.01715	0.03916	0.0049	0.00371	6.93E-05	1.17E-03	3.14E-05	1.17E-05	1.28E-03	6.31E-05	1.26E-09	4.19E-07	3.19E-07	6.38E-05	8.02E-05	1.17E-03	3.14E-05	1.17E-05	1.29E-03
5018	487863.09	3863377.25	0.01776	0.03929	0.0057	0.00394	7.18E-05	1.17E-03	3.62E-05	1.24E-05	1.29E-03	6.53E-05	1.27E-09	4.83E-07	3.39E-07	6.61E-05	8.31E-05	1.17E-03	3.62E-05	1.24E-05	1.30E-03
5019	488363.09	3863377.25	0.01785	0.03836	0.0052	0.00414	7.22E-05	1.14E-03	3.34E-05	1.31E-05	1.26E-03	6.56E-05	1.24E-09	4.46E-07	3.56E-07	6.64E-05	8.35E-05	1.14E-03	3.34E-05	1.31E-05	1.27E-03
5020	488863.09	3863377.25	0.01726	0.03807	0.0038	0.00388	6.98E-05	1.14E-03	2.44E-05	1.23E-05	1.24E-03	6.35E-05	1.23E-09	3.26E-07	3.34E-07	6.41E-05	8.07E-05	1.14E-03	2.44E-05	1.23E-05	1.25E-03
5021	489363.09	3863377.25	0.017	0.03889	0.0036	0.00382	6.87E-05	1.16E-03	2.26E-05	1.21E-05	1.26E-03	6.25E-05	1.25E-09	3.02E-07	3.29E-07	6.31E-05	7.95E-05	1.16E-03	2.26E-05	1.21E-05	1.27E-03
5022	489863.09	3863377.25	0.01761	0.03949	0.0032	0.00389	7.12E-05	1.18E-03	2.02E-05	1.23E-05	1.28E-03	6.47E-05	1.27E-09	2.69E-07	3.35E-07	6.53E-05	8.24E-05	1.18E-03	2.02E-05	1.23E-05	1.29E-03
5023	490363.09	3863377.25	0.01823	0.0399	0.0031	0.00418	7.37E-05	1.19E-03	2.00E-05	1.32E-05	1.30E-03	6.70E-05	1.29E-09	2.66E-07	3.60E-07	6.77E-05	8.53E-05	1.19E-03	2.00E-05	1.32E-05	1.31E-03
5024	490863.09	3863377.25	0.01826	0.04102	0.0038	0.00434	7.38E-05	1.22E-03	2.42E-05	1.37E-05	1.34E-03	6.71E-05	1.32E-09	3.22E-07	3.74E-07	6.78E-05	8.54E-05	1.22E-03	2.42E-05	1.37E-05	1.35E-03
5025	491363.09	3863377.25	0.01843	0.04176	0.0049	0.00428	7.45E-05	1.25E-03	3.09E-05	1.35E-05	1.36E-03	6.78E-05	1.35E-09	4.12E-07	3.69E-07	6.85E-05	8.62E-05	1.25E-03	3.09E-05	1.35E-05	1.38E-03
5026	491863.09	3863377.25	0.01879	0.04183	0.0056	0.00424	7.60E-05	1.25E-03	3.57E-05	1.34E-05	1.37E-03	6.91E-05	1.35E-09	4.75E-07	3.65E-07	6.99E-05	8.79E-05	1.25E-03	3.57E-05	1.34E-05	1.38E-03
5027	492363.09	3863377.25	0.01878	0.04105	0.0058	0.00427	7.59E-05	1.22E-03	3.73E-05	1.35E-05	1.35E-03	6.90E-05	1.32E-09	4.97E-07	3.68E-07	6.99E-05	8.78E-05	1.22E-03	3.73E-05	1.35E-05	1.36E-03
5028	492863.09	3863377.25	0.0195	0.04007	0.0059	0.0043	7.88E-05	1.20E-03	3.78E-05	1.36E-05	1.33E-03	7.17E-05	1.29E-09	5.04E-07	3.70E-07	7.26E-05	9.12E-05	1.20E-03	3.78E-05	1.36E-05	1.34E-03
5029	493363.09	3863377.25	0.02081	0.03941	0.0062	0.00416	8.41E-05	1.18E-03	3.98E-05	1.31E-05	1.31E-03	7.65E-05	1.27E-09	5.31E-07	3.58E-07	7.74E-05	9.73E-05	1.18E-03	3.98E-05	1.31E-05	1.33E-03
5030	493863.09	3863377.25	0.02098	0.03986	0.0066	0.00416	8.48E-05	1.19E-03	4.22E-05	1.31E-05	1.33E-03	7.71E-05	1.28E-09	5.63E-07	3.58E-07	7.81E-05	9.81E-05	1.19E-03	4.22E-05	1.31E-05	1.34E-03
5031	494363.09	3863377.25	0.01988	0.04068	0.0063	0.00426	8.04E-05	1.21E-03	4.02E-05	1.35E-05	1.35E-03	7.31E-05	1.31E-09	5.37E-07	3.67E-07	7.40E-05	9.30E-05	1.21E-03	4.02E-05	1.35E-05	1.36E-03
5032	494863.09	3863377.25	0.01883	0.04108	0.0058	0.00435	7.61E-05	1.23E-03	3.73E-05	1.37E-05	1.35E-03	6.92E-05	1.32E-09	4.97E-07	3.75E-07	7.01E-05	8.81E-05	1.23E-03	3.73E-05	1.37E-05	1.36E-03
5033	495363.09	3863377.25	0.01834	0.04108	0.0056	0.00439	7.41E-05	1.23E-03	3.58E-05	1.39E-05	1.35E-03	6.74E-05	1.32E-09	4.77E-07	3.78E-07	6.83E-05	8.58E-05	1.23E-03	3.58E-05	1.39E-05	1.36E-03
5034	495863.09	3863377.25	0.01831	0.04091	0.0058	0.0044	7.40E-05	1.22E-03	3.69E-05	1.39E-05	1.35E-03	6.73E-05	1.32E-09	4.92E-07	3.79E-07	6.82E-05	8.56E-05	1.22E-03	3.69E-05	1.39E-05	1.36E-03
5035	496363.09	3863377.25	0.01775	0.04024	0.0057	0.00422	7.17E-05	1.20E-03	3.64E-05	1.33E-05	1.32E-03	6.53E-05	1.30E-09	4.85E-07	3.63E-07	6.61E-05	8.30E-05	1.20E-03	3.64E-05	1.33E-05	1.33E-03
5036	496863.09	3863377.25	0.01745	0.03874	0.0059	0.00413	7.05E-05	1.16E-03	3.79E-05	1.30E-05	1.28E-03	6.42E-05	1.25E-09	5.05E-07	3.56E-07	6.50E-05	8.16E-05	1.16E-03	3.79E-05	1.30E-05	1.29E-03
5037	497363.09	3863377.25	0.01762	0.03772	0.006	0.00412	7.12E-05	1.13E-03	3.85E-05	1.30E-05	1.25E-03	6.48E-05	1.22E-09	5.14E-07	3.55E-07	6.56E-05	8.24E-05	1.13E-03	3.85E-05	1.30E-05	1.26E-03
5038	497863.09	3863377.25	0.01812	0.03671	0.0059	0.00412	7.32E-05	1.10E-03	3.73E-05	1.30E-05	1.22E-03	6.66E-05	1.18E-09	4.98E-07	3.55E-07	6.75E-05	8.47E-05	1.10E-03	3.73E-05	1.30E-05	1.23E-03
5039	498363.09	3863377.25	0.01874	0.03565	0.0055	0.00413	7.58E-05	1.06E-03	3.52E-05	1.30E-05	1.19E-03	6.89E-05	1.15E-09	4.69E-07	3.56E-07	6.97E-05	8.76E-05	1.06E-03	3.52E-05	1.30E-05	1.20E-03
5040	471363.09	3863877.25	0.0086	0.00869	0.0043	0.00286	3.48E-05	2.59E-04	2.76E-05	9.03E-06	3.31E-04	3.16E-05	2.80E-10	3.68E-07	2.46E-07	3.22E-05	4.02E-05	2.59E-04	2.76E-05	9.03E-06	3.36E-04
5041	471863.09	3863877.25	0.00878	0.00892	0.0044	0.00294	3.55E-05	2.66E-04	2.81E-05	9.28E-06	3.39E-04	3.23E-05	2.87E-10	3.75E-07	2.53E-07	3.29E-05	4.11E-05	2.66E-04	2.81E-05	9.28E-06	3.45E-04
5042	472363.09	3863877.25	0.00895	0.00928	0.0045	0.003	3.62E-05	2.77E-04	2.84E-05	9.47E-06	3.51E-04	3.29E-05	2.99E-10	3.79E-07	2.58E-07	3.35E-05	4.19E-05	2.77E-04	2.84E-05	9.47E-06	3.57E-04
5043	472863.09	3863877.25	0.00909	0.00966	0.0045	0.00306	3.67E-05	2.88E-04	2.84E-05	9.66E-06	3.63E-04	3.34E-05	3.11E-10	3.79E-07	2.63E-07	3.41E-05	4.25E-05	2.88E-04	2.84E-05	9.66E-06	3.69E-04
5044	473363.09	3863877.25	0.00918	0.01013	0.0044	0.00311	3.71E-05	3.02E-04	2.83E-05	9.82E-06	3.77E-04	3.38E-05	3.26E-10	3.77E-07	2.68E-07	3.44E-05	4.29E-05	3.02E-04	2.83E-05	9.82E-06	3.83E-04
5045	473863.09	3863877.25	0.00927	0.01056	0.0044	0.00316	3.75E-05	3.15E-04	2.78E-05	9.98E-06	3.90E-04	3.41E-05	3.40E-10	3.71E-07	2.72E-07	3.47E-05	4.34E-05	3.15E-04	2.78E-05	9.98E-06	3.96E-04
5046	474363.09	3863877.25	0.00935	0.01109	0.0043	0.0032	3.78E-05	3.31E-04	2.77E-05	1.01E-05	4.06E-04	3.44E-05	3.57E-10	3.69E-07	2.76E-07	3.50E-05	4.37E-05	3.31E-04	2.77E-05	1.01E-05	4.12E-04
5047	474863.09	3863877.25	0.00946	0.01175	0.0045	0.00322	3.82E-05	3.51E-04	2.84E-05	1.02E-05	4.27E-04	3.48E-05	3.79E-10	3.78E-07	2.77E-07	3.54E-05	4.42E-05	3.51E-04	2.84E-05	1.02E-05	4.33E-04
5048	475363.09	3863877.25	0.00969	0.01237	0.0045	0.00323	3.92E-05	3.69E-04	2.90E-05	1.02E-05	4.47E-04	3.56E-05	3.99E-10	3.86E-07	2.78E-07	3.63E-05	4.53E-05	3.69E-04	2.90E-05	1.02E-05	4.54E-04
5049	475863.09	3863877.25	0.00997	0.01316	0.0048	0.00324	4.03E-05	3.93E-04	3.07E-05	1.02E-05	4.74E-04	3.67E-05	4.24E-10	4.10E-07	2.79E-07	3.73E-05	4.66E-05	3.93E-04	3.07E-05	1.02E-05	4.80E-04
5050	476363.09	3863877.25	0.01037	0.01386	0.0051	0.00326	4.19E-05	4.13E-04	3.23E-05	1.03E-05	4.98E-04	3.81E-05	4.47E-10	4.31E-07	2.81E-07	3.88E-05	4.85E-05	4.13E-04	3.23E-05	1.03E-05	5.05E-04
5051	476863.09	3863877.25	0.01086	0.01461	0.0053	0.00331	4.39E-05	4.36E-04	3.39E-05	1.05E-05	5.24E-04	3.99E-05	4.71E-10	4.52E-07	2.85E-07	4.07E-05	5.08E-05	4.36E-04	3.39E-05	1.05E-05	5.31E-04
5052	477363.09	3863877.25	0.01147	0.01529	0.0054	0.00339	4.64E-05	4.56E-04	3.44E-05	1.07E-05	5.48E-04	4.22E-05	4.93E-10	4.59E-07	2.92E-07	4.29E-05	5.36E-05	4.56E-04	3.44E-05	1.07E-05	5.55E-04
5053	477863.09	3863877.25	0.01212	0.01566	0.0054	0.00347	4.90E-05	4.67E-04	3.44E-05	1.10E-05	5.62E-04	4.46E-05	5.05E-10	4.59E-07	2.99E-07	4.53E-05	5.67E-05	4.67E-04	3.44E-05	1.10E-05	5.69E-04
5054	478363.09	3863877.25	0.01265	0.01497	0.0056	0.00363	5.11E-05	4.47E-04	3.55E-05	1.15E-05	5.45E-04	4.65E-05	4.82E-10	4.73E-07	3.13E-07	4.73E-05	5.92E-05	4.47E-04	3.55E-05	1.15E-05	5.53E-04
5055	478863.09	3863877.25	0.01319	0.01734	0.0056	0.00359	5.33E-05	5.17E-04	3.55E-05	1.13E-05	6.17E-04	4.85E-05	5.59E-10	4.73E-07	3.09E-07	4.93E-05	6.17E-05	5.17E-04	3.55E-05	1.13E-05	6.26E-04
5056	479363.09	3863877.25	0.01378	0.01875	0.0057	0.00372	5.57E-05	5.59E-04	3.62E-05	1.17E-05	6.63E-04	5.07E-05	6.04E-10	4.83E-07	3.20E-07	5.15E-05	6.44E-05	5.59E-04	3.62E-05	1.17E-05	6.72E-04
5057	479863.09	3863877.25	0.01454	0.01974	0.0057	0.00386	5.88E-05	5.89E-04	3.65E-05	1.22E-05	6.96E-04	5.35E-05	6.36E-10	4.87E-07	3.32E-07	5.43E-05	6.80E-05	5.89E-04	3.65E-05	1.22E-05	7.06E-04
5058	480363.09	3863877.25	0.01537	0.02063	0.0057	0.0039	6.21E-05	6.15E-04	3.65E-05	1.23E-05	7.26E-04	5.65E-05	6.65E-10	4.86E-07	3.36E-07	5.73E-05	7.19E-05	6.15E-04	3.65E-05	1.23E-05	7.36E-04
5059	480863.09	3863877.25	0.01608	0.02143	0.0056	0.00386	6.50E-05	6.39E-04	3.58E-05	1.22E-05	7.52E-04	5.91E-05	6.91E-10	4.77E-07	3.32E-07	5.99E-05	7.52E-05	6.39E-04	3.58E-05	1.22E-05	7.63E-04

5060	481363.09	3863877.25	0.0163	0.02225	0.0052	0.00383	6.59E-05	6.64E-04	3.32E-05	1.21E-05	7.75E-04	5.99E-05	7.17E-10	4.42E-07	3.30E-07	6.07E-05	7.62E-05	6.64E-04	3.32E-05	1.21E-05	7.85E-04
5061	481863.09	3863877.25	0.0164	0.02318	0.0048	0.00382	6.63E-05	6.92E-04	3.04E-05	1.21E-05	8.00E-04	6.03E-05	7.47E-10	4.06E-07	3.29E-07	6.10E-05	7.67E-05	6.92E-04	3.04E-05	1.21E-05	8.11E-04
5062	482363.09	3863877.25	0.01691	0.02414	0.0046	0.00389	6.84E-05	7.20E-04	2.90E-05	1.23E-05	8.30E-04	6.22E-05	7.78E-10	3.87E-07	3.35E-07	6.29E-05	7.91E-05	7.20E-04	2.90E-05	1.23E-05	8.41E-04
5063	482863.09	3863877.25	0.01726	0.02512	0.0043	0.00397	6.98E-05	7.49E-04	2.76E-05	1.25E-05	8.59E-04	6.35E-05	8.10E-10	3.67E-07	3.42E-07	6.42E-05	8.07E-05	7.49E-04	2.76E-05	1.25E-05	8.70E-04
5064	483363.09	3863877.25	0.01714	0.02617	0.004	0.00404	6.93E-05	7.81E-04	2.55E-05	1.28E-05	8.88E-04	6.30E-05	8.43E-10	3.40E-07	3.48E-07	6.37E-05	8.02E-05	7.81E-04	2.55E-05	1.28E-05	8.99E-04
5065	483863.09	3863877.25	0.01696	0.02728	0.004	0.00404	6.86E-05	8.14E-04	2.53E-05	1.28E-05	9.20E-04	6.24E-05	8.79E-10	3.37E-07	3.48E-07	6.30E-05	7.93E-05	8.14E-04	2.53E-05	1.28E-05	9.31E-04
5066	484363.09	3863877.25	0.01698	0.02836	0.0048	0.00392	6.86E-05	8.46E-04	3.07E-05	1.24E-05	9.58E-04	6.24E-05	9.14E-10	4.10E-07	3.38E-07	6.32E-05	7.94E-05	8.46E-04	3.07E-05	1.24E-05	9.69E-04
5067	484863.09	3863877.25	0.01706	0.02957	0.0054	0.00368	6.90E-05	8.82E-04	3.44E-05	1.16E-05	9.97E-04	6.27E-05	9.53E-10	4.58E-07	3.17E-07	6.35E-05	7.98E-05	8.82E-04	3.44E-05	1.16E-05	1.01E-03
5068	485363.09	3863877.25	0.01628	0.03116	0.0042	0.00348	6.58E-05	9.30E-04	2.66E-05	1.10E-05	1.03E-03	5.99E-05	1.00E-09	3.55E-07	3.00E-07	6.05E-05	7.61E-05	9.30E-04	2.66E-05	1.10E-05	1.04E-03
5069	485863.09	3863877.25	0.01554	0.03288	0.0035	0.0035	6.28E-05	9.81E-04	2.23E-05	1.11E-05	1.08E-03	5.71E-05	1.06E-09	2.97E-07	3.01E-07	5.77E-05	7.27E-05	9.81E-04	2.23E-05	1.11E-05	1.09E-03
5070	486363.09	3863877.25	0.01506	0.03275	0.0036	0.00345	6.09E-05	9.77E-04	2.28E-05	1.09E-05	1.07E-03	5.54E-05	1.06E-09	3.04E-07	2.97E-07	5.60E-05	7.04E-05	9.77E-04	2.28E-05	1.09E-05	1.08E-03
5071	486863.09	3863877.25	0.01485	0.03257	0.0038	0.00334	6.00E-05	9.72E-04	2.40E-05	1.05E-05	1.07E-03	5.46E-05	1.05E-09	3.20E-07	2.88E-07	5.52E-05	6.94E-05	9.72E-04	2.40E-05	1.05E-05	1.08E-03
5072	487363.09	3863877.25	0.01522	0.03225	0.0048	0.00335	6.15E-05	9.62E-04	3.04E-05	1.06E-05	1.06E-03	5.60E-05	1.04E-09	4.05E-07	2.88E-07	5.67E-05	7.12E-05	9.62E-04	3.04E-05	1.06E-05	1.07E-03
5073	487863.09	3863877.25	0.01586	0.03229	0.0054	0.00354	6.41E-05	9.63E-04	3.41E-05	1.12E-05	1.07E-03	5.83E-05	1.04E-09	4.55E-07	3.05E-07	5.91E-05	7.42E-05	9.63E-04	3.41E-05	1.12E-05	1.08E-03
5074	488363.09	3863877.25	0.01612	0.03183	0.005	0.00369	6.52E-05	9.50E-04	3.16E-05	1.17E-05	1.06E-03	5.93E-05	1.03E-09	4.22E-07	3.18E-07	6.00E-05	7.54E-05	9.50E-04	3.16E-05	1.17E-05	1.07E-03
5075	488863.09	3863877.25	0.01571	0.03146	0.0037	0.00345	6.35E-05	9.39E-04	2.33E-05	1.09E-05	1.04E-03	5.78E-05	1.01E-09	3.10E-07	2.97E-07	5.84E-05	7.35E-05	9.39E-04	2.33E-05	1.09E-05	1.05E-03
5076	489363.09	3863877.25	0.01518	0.03198	0.0034	0.00339	6.14E-05	9.54E-04	2.14E-05	1.07E-05	1.05E-03	5.58E-05	1.03E-09	2.86E-07	2.92E-07	5.64E-05	7.10E-05	9.54E-04	2.14E-05	1.07E-05	1.06E-03
5077	489863.09	3863877.25	0.01541	0.0326	0.0031	0.0034	6.23E-05	9.73E-04	1.98E-05	1.07E-05	1.07E-03	5.67E-05	1.05E-09	2.64E-07	2.93E-07	5.72E-05	7.21E-05	9.73E-04	1.98E-05	1.07E-05	1.08E-03
5078	490363.09	3863877.25	0.01613	0.03275	0.0028	0.00361	6.52E-05	9.77E-04	1.79E-05	1.14E-05	1.07E-03	5.93E-05	1.06E-09	2.38E-07	3.11E-07	5.99E-05	7.54E-05	9.77E-04	1.79E-05	1.14E-05	1.08E-03
5079	490863.09	3863877.25	0.01642	0.03331	0.0031	0.00385	6.64E-05	9.94E-04	1.99E-05	1.22E-05	1.09E-03	6.04E-05	1.07E-09	2.65E-07	3.32E-07	6.10E-05	7.68E-05	9.94E-04	1.99E-05	1.22E-05	1.10E-03
5080	491363.09	3863877.25	0.01629	0.03403	0.0039	0.00389	6.58E-05	1.02E-03	2.49E-05	1.23E-05	1.12E-03	5.99E-05	1.10E-09	3.32E-07	3.35E-07	6.06E-05	7.62E-05	1.02E-03	2.49E-05	1.23E-05	1.13E-03
5081	491863.09	3863877.25	0.01711	0.03514	0.005	0.00398	6.92E-05	1.05E-03	3.20E-05	1.26E-05	1.16E-03	6.29E-05	1.13E-09	4.27E-07	3.43E-07	6.37E-05	8.00E-05	1.05E-03	3.20E-05	1.26E-05	1.17E-03
5082	492363.09	3863877.25	0.01779	0.03503	0.0058	0.00395	7.19E-05	1.05E-03	3.71E-05	1.25E-05	1.17E-03	6.54E-05	1.13E-09	4.95E-07	3.40E-07	6.62E-05	8.32E-05	1.05E-03	3.71E-05	1.25E-05	1.18E-03
5083	492863.09	3863877.25	0.01761	0.03224	0.0058	0.00398	7.12E-05	9.62E-04	3.69E-05	1.26E-05	1.08E-03	6.47E-05	1.04E-09	4.92E-07	3.43E-07	6.56E-05	8.24E-05	9.62E-04	3.69E-05	1.26E-05	1.09E-03
5084	493363.09	3863877.25	0.01794	0.03114	0.0055	0.00383	7.25E-05	9.29E-04	3.53E-05	1.21E-05	1.05E-03	6.60E-05	1.00E-09	4.71E-07	3.30E-07	6.68E-05	8.39E-05	9.29E-04	3.53E-05	1.21E-05	1.06E-03
5085	493863.09	3863877.25	0.01884	0.03124	0.0055	0.00368	7.62E-05	9.32E-04	3.52E-05	1.16E-05	1.05E-03	6.93E-05	1.01E-09	4.69E-07	3.17E-07	7.01E-05	8.81E-05	9.32E-04	3.52E-05	1.16E-05	1.07E-03
5086	494363.09	3863877.25	0.019	0.03208	0.0061	0.00366	7.68E-05	9.57E-04	3.90E-05	1.16E-05	1.08E-03	6.99E-05	1.03E-09	5.20E-07	3.15E-07	7.07E-05	8.89E-05	9.57E-04	3.90E-05	1.16E-05	1.10E-03
5087	494863.09	3863877.25	0.01827	0.03294	0.0063	0.00373	7.39E-05	9.83E-04	4.01E-05	1.18E-05	1.11E-03	6.72E-05	1.06E-09	5.35E-07	3.21E-07	6.80E-05	8.54E-05	9.83E-04	4.01E-05	1.18E-05	1.12E-03
5088	495363.09	3863877.25	0.01725	0.03364	0.0058	0.00381	6.97E-05	1.00E-03	3.71E-05	1.20E-05	1.12E-03	6.34E-05	1.08E-09	4.94E-07	3.28E-07	6.42E-05	8.07E-05	1.00E-03	3.71E-05	1.20E-05	1.13E-03
5089	495863.09	3863877.25	0.01659	0.03392	0.0053	0.00385	6.71E-05	1.01E-03	3.41E-05	1.22E-05	1.13E-03	6.10E-05	1.09E-09	4.54E-07	3.32E-07	6.18E-05	7.76E-05	1.01E-03	3.41E-05	1.22E-05	1.14E-03
5090	496363.09	3863877.25	0.01621	0.03444	0.005	0.00393	6.55E-05	1.03E-03	3.20E-05	1.24E-05	1.14E-03	5.96E-05	1.11E-09	4.27E-07	3.38E-07	6.04E-05	7.58E-05	1.03E-03	3.20E-05	1.24E-05	1.15E-03
5091	496863.09	3863877.25	0.01604	0.03424	0.0051	0.0038	6.48E-05	1.02E-03	3.27E-05	1.20E-05	1.13E-03	5.90E-05	1.10E-09	4.35E-07	3.27E-07	5.97E-05	7.50E-05	1.02E-03	3.27E-05	1.20E-05	1.14E-03
5092	497363.09	3863877.25	0.0159	0.03366	0.0054	0.00372	6.43E-05	1.00E-03	3.44E-05	1.17E-05	1.11E-03	5.85E-05	1.08E-09	4.59E-07	3.20E-07	5.92E-05	7.44E-05	1.00E-03	3.44E-05	1.17E-05	1.12E-03
5093	497863.09	3863877.25	0.01587	0.03292	0.0056	0.00368	6.41E-05	9.82E-04	3.59E-05	1.16E-05	1.09E-03	5.83E-05	1.06E-09	4.79E-07	3.17E-07	5.91E-05	7.42E-05	9.82E-04	3.59E-05	1.16E-05	1.10E-03
5094	498363.09	3863877.25	0.016	0.03196	0.0056	0.00364	6.47E-05	9.53E-04	3.56E-05	1.15E-05	1.07E-03	5.88E-05	1.03E-09	4.75E-07	3.13E-07	5.96E-05	7.48E-05	9.53E-04	3.56E-05	1.15E-05	1.08E-03
5095	471363.09	3864377.25	0.00807	0.00839	0.0042	0.00284	3.26E-05	2.50E-04	2.67E-05	8.97E-06	3.19E-04	2.97E-05	2.70E-10	3.55E-07	2.45E-07	3.03E-05	3.77E-05	2.50E-04	2.67E-05	8.97E-06	3.24E-04
5096	471863.09	3864377.25	0.00817	0.00867	0.0042	0.00289	3.30E-05	2.59E-04	2.65E-05	9.12E-06	3.27E-04	3.00E-05	2.79E-10	3.53E-07	2.49E-07	3.06E-05	3.82E-05	2.59E-04	2.65E-05	9.12E-06	3.32E-04
5097	472363.09	3864377.25	0.00825	0.00902	0.0041	0.00293	3.33E-05	2.69E-04	2.60E-05	9.25E-06	3.38E-04	3.03E-05	2.91E-10	3.47E-07	2.52E-07	3.09E-05	3.86E-05	2.69E-04	2.60E-05	9.25E-06	3.43E-04
5098	472863.09	3864377.25	0.0083	0.0094	0.004	0.00296	3.36E-05	2.80E-04	2.57E-05	9.35E-06	3.49E-04	3.05E-05	3.03E-10	3.43E-07	2.55E-07	3.11E-05	3.88E-05	2.80E-04	2.57E-05	9.35E-06	3.54E-04
5099	473363.09	3864377.25	0.00833	0.00989	0.0041	0.003	3.37E-05	2.95E-04	2.59E-05	9.47E-06	3.64E-04	3.06E-05	3.19E-10	3.45E-07	2.58E-07	3.12E-05	3.90E-05	2.95E-04	2.59E-05	9.47E-06	3.69E-04
5100	473863.09	3864377.25	0.00843	0.01039	0.0042	0.00303	3.41E-05	3.10E-04	2.65E-05	9.57E-06	3.80E-04	3.10E-05	3.35E-10	3.53E-07	2.61E-07	3.16E-05	3.94E-05	3.10E-04	2.65E-05	9.57E-06	3.85E-04
5101	474363.09	3864377.25	0.00861	0.01092	0.0043	0.00305	3.48E-05	3.26E-04	2.73E-05	9.63E-06	3.98E-04	3.17E-05	3.52E-10	3.64E-07	2.63E-07	3.23E-05	4.03E-05	3.26E-04	2.73E-05	9.63E-06	4.03E-04
5102	474863.09	3864377.25	0.00881	0.01155	0.0045	0.00306	3.56E-05	3.45E-04	2.87E-05	9.66E-06	4.19E-04	3.24E-05	3.72E-10	3.83E-07	2.63E-07	3.30E-05	4.12E-05	3.45E-04	2.87E-05	9.66E-06	4.24E-04
5103	475363.09	3864377.25	0.0091	0.01215	0.0048	0.00307	3.68E-05	3.62E-04	3.04E-05	9.69E-06	4.39E-04	3.35E-05	3.92E-10	4.06E-07	2.64E-07	3.41E-05	4.26E-05	3.62E-04	3.04E-05	9.69E-06	4.45E-04
5104	475863.09	3864377.25	0.00944	0.01275	0.005	0.00309	3.82E-05	3.80E-04	3.16E-05	9.76E-06	4.60E-04	3.47E-05	4.11E-10	4.21E-07	2.66E-07	3.54E-05	4.41E-05	3.80E-04	3.16E-05	9.76E-06	4.66E-04
5105	476363.09	3864377.25	0.00985	0.01327	0.0051	0.00312	3.98E-05	3.96E-04	3.25E-05	9.85E-06	4.78E-04	3.62E-05	4.28E-10	4.33E-07	2.69E-07	3.69E-05	4.61E-05	3.96E-04	3.25E-05	9.85E-06	4.84E-04
5106	476863.09	3864377.25	0.01034	0.01379	0.0051	0.00317	4.18E-05	4.11E-04	3.28E-05	1.00E-05	4.96E-04	3.80E-05	4.44E-10	4.37E-07	2.73E-07	3.87E-05	4.84E-05	4.11E-04	3.28E-05	1.00E-05	5.03E-04
5107	477363.09	3864377.25	0.01082	0.01448	0.0052	0.00323	4.37E-05	4.32E-04	3.28E-05	1.02E-05	5.19E-04	3.98E-05	4.67E-10	4.38E-07	2.78E-07	4.05E-05	5.06E-05	4.32E-04	3.28E-05	1.02E-05	5.26E-04
5108	477863.09	3864377.25	0.01126	0.01519	0.0052	0.00329	4.55E-05	4.53E-04	3.28E-05	1.04E-05	5.42E-04	4.14E-05	4.90E-10	4.38E-07	2.83E-07	4.21E-05	5.27E-05	4.53E-04	3.28E-05	1.04E-05	5.49E-04
5109	478363.09	3864377.25	0.01168	0.01596	0.0052	0.00337	4.72E-05	4.76E-04	3.32E-05	1.06E-05	5.67E-04	4.29E-05	5.14E-10	4.42E-07	2.90E-07	4.37E-05	5.46E-05	4.76E-04	3.32E-05	1.06E-05	5.75E-04
5110	478863.09	3864377.25	0.01223	0.01671	0.0053	0.0035	4.94E-05	4.99E-04	3.36E-05	1.11E-05	5.93E-04	4.50E-05	5.39E-10	4.48E-07	3.01E-07	4.57E-05	5.72E-05	4.99E-04	3.36E-05	1.11E-05	6.00E-04
5111	479363.09	3864377.25	0.01288	0.01744	0.0053	0.00363	5.21E-05	5.20E-04	3.38E-05	1.15E-05	6.18E-04	4.74E-05	5.62E-10	4.51E-07	3.13E-07	4.81E-05	6.02E-05	5.20E-04	3.38E-05	1.15E-05	6.26E-04
5112	479863.09	3864377.25	0.01366	0.01806	0.0053	0.00369	5.52E-05	5.39E-04	3.40E-05	1.17E-05	6.40E-04	5.02E-05	5.82E-10	4.53E-07	3.18E-07	5.10E-05	6.39E-05	5.39E-04	3.40E-05	1.17E-05	6.48E-04
5113	480363.09	3864377.25	0.01437	0.01864	0.0052	0.00366	5.81E-05	5.56E-04	3.30E-05	1.16E-05	6.59E-04	5.28E-05	6.01E-10	4.40E-07	3.15E-07	5.36E-05	6.72E-05	5.56E-04	3.30E-05	1.16E-05	6.68E-04
5114	480863.09	3864377.25	0.01465	0.01923	0.0047	0.00356	5.92E-05	5.74E-04	3.02E-05	1.12E-05	6.74E-04	5.39E-05	6.20E-10	4.02E-07	3.07E-07	5.46E-05	6.85E-05	5.74E-04	3.02E-05	1.12E-05	6.84E-04
5115	481363.09	3864377.25	0.01469	0.01986	0.0044	0.0035	5.94E-05	5.92E-04	2.78E-05	1.11E-05	6.91E-04	5.40E-05	6.40E-10	3.71E-07	3.01E-07	5.47E-05	6.87E-05	5.92E-04	2.78E-05	1.11E-05	7.00E-04
5116	481863.09	3864377.25	0.01491	0.02067	0.0042	0.00351	6.03E-05	6.17E-04	2.65E-05	1.11E-05	7.14E-04	5.48E-05	6.66E-10	3.53E-07	3.02E-07	5.55E-05	6.97E-05	6.17E-04	2.65E-05	1.11E-05	7.24E-04
5117	482363.09	3864377.25	0.01531	0.02156	0.004	0.00356	6.19E-05	6.43E-04	2.55E-05	1.12E-05	7.42E-04	5.63E-05	6.95E-10	3.39E-07	3.07E-07	5.69E-05	7.16E-05	6.43E-04	2.55E-05	1.12E-05	7.51E-04
5118	482863.09	3864377.25	0.01547	0.02248	0.0037	0.0036	6.25E-05	6.71E-04	2.38E-05	1.14E-05	7.68E-04	5.69E-05	7.25E-10	3.17E-07	3.10E-07	5.75E-05	7.23E-05	6.71E-04	2.38E-05	1.14E-05	7.78E-04
5119	483363.09	3864377.25	0.01525	0.02345	0.0036	0.00363	6.16E-05	7.00E-04	2.28E-05	1.15E-05	7.96E-04	5.61E-05	7.56E-10	3.04E-07	3.13E-07	5.67E-05	7.13E-05	7.00E-04	2.28E-05	1.15E-05	8.05E-04
5120	483863.09	3864377.25	0.01514	0.02436	0.0042	0.00364	6.12E-05	7.27E-04	2.66E-05	1.15E-05	8.26E-04	5.57E-05	7.85E-10	3.55E-07	3.13E-07	5.63E-05	7.08E-05	7.27E-04	2.66E-05	1.15E-05	8.36E-04

5121	484363.09	3864377.25	0.01536	0.02501	0.0052	0.00352	6.21E-05	7.46E-04	3.30E-05	1.11E-05	8.52E-04	5.65E-05	8.06E-10	4.40E-07	3.03E-07	5.72E-05	7.18E-05	7.46E-04	3.30E-05	1.11E-05	8.62E-04
5122	484863.09	3864377.25	0.0153	0.02587	0.0047	0.00329	6.18E-05	7.72E-04	2.99E-05	1.04E-05	8.74E-04	5.63E-05	8.34E-10	3.98E-07	2.83E-07	5.69E-05	7.16E-05	7.72E-04	2.99E-05	1.04E-05	8.84E-04
5123	485363.09	3864377.25	0.01457	0.02727	0.0035	0.00322	5.89E-05	8.14E-04	2.21E-05	1.02E-05	9.05E-04	5.36E-05	8.79E-10	2.95E-07	2.77E-07	5.41E-05	6.81E-05	8.14E-04	2.21E-05	1.02E-05	9.14E-04
5124	485863.09	3864377.25	0.01395	0.02812	0.0034	0.00325	5.64E-05	8.39E-04	2.15E-05	1.03E-05	9.27E-04	5.13E-05	9.06E-10	2.87E-07	2.80E-07	5.19E-05	6.52E-05	8.39E-04	2.15E-05	1.03E-05	9.36E-04
5125	486363.09	3864377.25	0.01354	0.02776	0.0033	0.00312	5.47E-05	8.28E-04	2.13E-05	9.85E-06	9.14E-04	4.98E-05	8.95E-10	2.84E-07	2.69E-07	5.03E-05	6.33E-05	8.28E-04	2.13E-05	9.85E-06	9.23E-04
5126	486863.09	3864377.25	0.01329	0.02779	0.0037	0.00308	5.37E-05	8.29E-04	2.33E-05	9.72E-06	9.16E-04	4.89E-05	8.96E-10	3.11E-07	2.65E-07	4.94E-05	6.22E-05	8.29E-04	2.33E-05	9.72E-06	9.24E-04
5127	487363.09	3864377.25	0.01361	0.02724	0.0046	0.00309	5.50E-05	8.13E-04	2.94E-05	9.76E-06	9.07E-04	5.00E-05	8.78E-10	3.92E-07	2.66E-07	5.07E-05	6.36E-05	8.13E-04	2.94E-05	9.76E-06	9.15E-04
5128	487863.09	3864377.25	0.01426	0.02714	0.0051	0.00324	5.76E-05	8.10E-04	3.23E-05	1.02E-05	9.10E-04	5.24E-05	8.75E-10	4.31E-07	2.79E-07	5.31E-05	6.67E-05	8.10E-04	3.23E-05	1.02E-05	9.19E-04
5129	488363.09	3864377.25	0.01458	0.02686	0.0047	0.00333	5.89E-05	8.01E-04	2.99E-05	1.05E-05	9.01E-04	5.36E-05	8.66E-10	3.99E-07	2.87E-07	5.43E-05	6.82E-05	8.01E-04	2.99E-05	1.05E-05	9.10E-04
5130	488863.09	3864377.25	0.0144	0.02667	0.0035	0.00312	5.82E-05	7.96E-04	2.24E-05	9.85E-06	8.86E-04	5.29E-05	8.60E-10	2.99E-07	2.69E-07	5.35E-05	6.73E-05	7.96E-04	2.24E-05	9.85E-06	8.95E-04
5131	489363.09	3864377.25	0.01383	0.02697	0.0032	0.00305	5.59E-05	8.05E-04	2.01E-05	9.63E-06	8.90E-04	5.08E-05	8.69E-10	2.68E-07	2.63E-07	5.14E-05	6.47E-05	8.05E-04	2.01E-05	9.63E-06	8.99E-04
5132	489863.09	3864377.25	0.0137	0.02747	0.0031	0.00305	5.54E-05	8.20E-04	1.96E-05	9.63E-06	9.04E-04	5.04E-05	8.85E-10	2.61E-07	2.63E-07	5.09E-05	6.41E-05	8.20E-04	1.96E-05	9.63E-06	9.13E-04
5133	490363.09	3864377.25	0.01424	0.02768	0.0027	0.00317	5.76E-05	8.26E-04	1.69E-05	1.00E-05	9.10E-04	5.24E-05	8.92E-10	2.25E-07	2.73E-07	5.29E-05	6.66E-05	8.26E-04	1.69E-05	1.00E-05	9.19E-04
5134	490863.09	3864377.25	0.01493	0.02804	0.0027	0.00342	6.04E-05	8.37E-04	1.73E-05	1.08E-05	9.25E-04	5.49E-05	9.04E-10	2.30E-07	2.94E-07	5.54E-05	6.98E-05	8.37E-04	1.73E-05	1.08E-05	9.34E-04
5135	491363.09	3864377.25	0.01546	0.02848	0.0034	0.00369	6.25E-05	8.50E-04	2.17E-05	1.17E-05	9.45E-04	5.68E-05	9.18E-10	2.89E-07	3.18E-07	5.74E-05	7.23E-05	8.50E-04	2.17E-05	1.17E-05	9.55E-04
5136	491863.09	3864377.25	0.01144	0.01088	0.0038	0.00363	4.62E-05	3.25E-04	2.42E-05	1.15E-05	4.07E-04	4.21E-05	3.51E-10	3.23E-07	3.13E-07	4.27E-05	5.35E-05	3.25E-04	2.42E-05	1.15E-05	4.14E-04
5137	492363.09	3864377.25	0.016	0.02236	0.0052	0.00405	6.47E-05	6.67E-04	3.31E-05	1.28E-05	7.78E-04	5.88E-05	7.21E-10	4.41E-07	3.49E-07	5.96E-05	7.48E-05	6.67E-04	3.31E-05	1.28E-05	7.88E-04
5138	492863.09	3864377.25	0.0142	0.01517	0.0067	0.00373	5.74E-05	4.53E-04	4.28E-05	1.18E-05	5.65E-04	5.22E-05	4.89E-10	5.71E-07	3.21E-07	5.31E-05	6.64E-05	4.53E-04	4.28E-05	1.18E-05	5.74E-04
5139	493363.09	3864377.25	0.01478	0.02148	0.0074	0.00387	5.97E-05	6.41E-04	4.73E-05	1.22E-05	7.60E-04	5.43E-05	6.92E-10	6.30E-07	3.33E-07	5.53E-05	6.91E-05	6.41E-04	4.73E-05	1.22E-05	7.69E-04
5140	493863.09	3864377.25	0.01586	0.02453	0.0052	0.00355	6.41E-05	7.32E-04	3.34E-05	1.12E-05	8.41E-04	5.83E-05	7.91E-10	4.46E-07	3.06E-07	5.91E-05	7.42E-05	7.32E-04	3.34E-05	1.12E-05	8.51E-04
5141	494363.09	3864377.25	0.01698	0.02575	0.0051	0.00335	6.86E-05	7.68E-04	3.23E-05	1.06E-05	8.80E-04	6.24E-05	8.30E-10	4.30E-07	2.88E-07	6.31E-05	7.94E-05	7.68E-04	3.23E-05	1.06E-05	8.90E-04
5142	494863.09	3864377.25	0.01721	0.02667	0.0056	0.0033	6.96E-05	7.96E-04	3.57E-05	1.04E-05	9.11E-04	6.33E-05	8.60E-10	4.76E-07	2.84E-07	6.40E-05	8.05E-05	7.96E-04	3.57E-05	1.04E-05	9.22E-04
5143	495363.09	3864377.25	0.01665	0.02736	0.0058	0.00335	6.73E-05	8.16E-04	3.72E-05	1.06E-05	9.31E-04	6.12E-05	8.82E-10	4.96E-07	2.88E-07	6.20E-05	7.79E-05	8.16E-04	3.72E-05	1.06E-05	9.42E-04
5144	495863.09	3864377.25	0.01576	0.02806	0.0055	0.00343	6.37E-05	8.37E-04	3.48E-05	1.08E-05	9.46E-04	5.79E-05	9.04E-10	4.64E-07	2.95E-07	5.87E-05	7.37E-05	8.37E-04	3.48E-05	1.08E-05	9.56E-04
5145	496363.09	3864377.25	0.01502	0.02867	0.005	0.0035	6.07E-05	8.55E-04	3.17E-05	1.11E-05	9.59E-04	5.52E-05	9.24E-10	4.23E-07	3.01E-07	5.59E-05	7.02E-05	8.55E-04	3.17E-05	1.11E-05	9.68E-04
5146	496863.09	3864377.25	0.01471	0.02907	0.0047	0.00356	5.95E-05	8.67E-04	3.00E-05	1.12E-05	9.68E-04	5.41E-05	9.37E-10	4.00E-07	3.07E-07	5.48E-05	6.88E-05	8.67E-04	3.00E-05	1.12E-05	9.77E-04
5147	497363.09	3864377.25	0.01457	0.02935	0.0047	0.00352	5.89E-05	8.76E-04	2.99E-05	1.11E-05	9.76E-04	5.36E-05	9.46E-10	3.99E-07	3.03E-07	5.43E-05	6.81E-05	8.76E-04	2.99E-05	1.11E-05	9.85E-04
5148	497863.09	3864377.25	0.01468	0.02939	0.0051	0.00353	5.93E-05	8.77E-04	3.23E-05	1.11E-05	9.80E-04	5.40E-05	9.47E-10	4.30E-07	3.04E-07	5.47E-05	6.87E-05	8.77E-04	3.23E-05	1.11E-05	9.89E-04
5149	498363.09	3864377.25	0.01445	0.0289	0.0052	0.00337	5.84E-05	8.62E-04	3.30E-05	1.06E-05	9.64E-04	5.31E-05	9.31E-10	4.41E-07	2.90E-07	5.39E-05	6.76E-05	8.62E-04	3.30E-05	1.06E-05	9.73E-04
5150	471363.09	3864877.25	0.00744	0.00816	0.0038	0.00276	3.01E-05	2.43E-04	2.42E-05	8.71E-06	3.06E-04	2.74E-05	2.63E-10	3.23E-07	2.38E-07	2.79E-05	3.48E-05	2.43E-04	2.42E-05	8.71E-06	3.11E-04
5151	471863.09	3864877.25	0.00747	0.00847	0.0038	0.00279	3.02E-05	2.53E-04	2.39E-05	8.81E-06	3.16E-04	2.75E-05	2.73E-10	3.19E-07	2.40E-07	2.80E-05	3.49E-05	2.53E-04	2.39E-05	8.81E-06	3.20E-04
5152	472363.09	3864877.25	0.0075	0.00883	0.0038	0.00282	3.03E-05	2.63E-04	2.40E-05	8.90E-06	3.27E-04	2.76E-05	2.85E-10	3.20E-07	2.43E-07	2.81E-05	3.51E-05	2.63E-04	2.40E-05	8.90E-06	3.31E-04
5153	472863.09	3864877.25	0.00758	0.00923	0.0038	0.00285	3.06E-05	2.75E-04	2.44E-05	9.00E-06	3.39E-04	2.79E-05	2.97E-10	3.26E-07	2.45E-07	2.84E-05	3.54E-05	2.75E-04	2.44E-05	9.00E-06	3.44E-04
5154	473363.09	3864877.25	0.00769	0.00972	0.004	0.00288	3.11E-05	2.90E-04	2.57E-05	9.09E-06	3.56E-04	2.83E-05	3.13E-10	3.43E-07	2.48E-07	2.89E-05	3.60E-05	2.90E-04	2.57E-05	9.09E-06	3.61E-04
5155	473863.09	3864877.25	0.00787	0.01022	0.0042	0.0029	3.18E-05	3.05E-04	2.67E-05	9.16E-06	3.73E-04	2.89E-05	3.29E-10	3.56E-07	2.50E-07	2.95E-05	3.68E-05	3.05E-04	2.67E-05	9.16E-06	3.78E-04
5156	474363.09	3864877.25	0.0081	0.01071	0.0044	0.00291	3.27E-05	3.20E-04	2.81E-05	9.19E-06	3.90E-04	2.98E-05	3.45E-10	3.74E-07	2.51E-07	3.04E-05	3.79E-05	3.20E-04	2.81E-05	9.19E-06	3.95E-04
5157	474863.09	3864877.25	0.00835	0.0112	0.0046	0.00292	3.38E-05	3.34E-04	2.91E-05	9.22E-06	4.06E-04	3.07E-05	3.61E-10	3.89E-07	2.51E-07	3.13E-05	3.90E-05	3.34E-04	2.91E-05	9.22E-06	4.12E-04
5158	475363.09	3864877.25	0.00863	0.01163	0.0047	0.00293	3.49E-05	3.47E-04	2.98E-05	9.25E-06	4.21E-04	3.17E-05	3.75E-10	3.97E-07	2.52E-07	3.24E-05	4.04E-05	3.47E-04	2.98E-05	9.25E-06	4.26E-04
5159	475863.09	3864877.25	0.00894	0.01205	0.0047	0.00295	3.61E-05	3.59E-04	2.99E-05	9.31E-06	4.35E-04	3.29E-05	3.88E-10	3.99E-07	2.54E-07	3.35E-05	4.18E-05	3.59E-04	2.99E-05	9.31E-06	4.41E-04
5160	476363.09	3864877.25	0.00933	0.0125	0.0047	0.00298	3.77E-05	3.73E-04	3.01E-05	9.41E-06	4.50E-04	3.43E-05	4.03E-10	4.01E-07	2.57E-07	3.50E-05	4.36E-05	3.73E-04	3.01E-05	9.41E-06	4.56E-04
5161	476863.09	3864877.25	0.0098	0.01301	0.0048	0.00303	3.96E-05	3.88E-04	3.07E-05	9.57E-06	4.68E-04	3.60E-05	4.19E-10	4.10E-07	2.61E-07	3.67E-05	4.58E-05	3.88E-04	3.07E-05	9.57E-06	4.74E-04
5162	477363.09	3864877.25	0.01018	0.01363	0.0048	0.0031	4.11E-05	4.07E-04	3.06E-05	9.79E-06	4.88E-04	3.74E-05	4.39E-10	4.08E-07	2.67E-07	3.81E-05	4.76E-05	4.07E-04	3.06E-05	9.79E-06	4.95E-04
5163	477863.09	3864877.25	0.01052	0.01429	0.0048	0.00318	4.25E-05	4.26E-04	3.08E-05	1.00E-05	5.10E-04	3.87E-05	4.61E-10	4.11E-07	2.74E-07	3.94E-05	4.92E-05	4.26E-04	3.08E-05	1.00E-05	5.16E-04
5164	478363.09	3864877.25	0.01095	0.01492	0.0049	0.00328	4.43E-05	4.45E-04	3.12E-05	1.04E-05	5.31E-04	4.03E-05	4.81E-10	4.16E-07	2.82E-07	4.10E-05	5.12E-05	4.45E-04	3.12E-05	1.04E-05	5.38E-04
5165	478863.09	3864877.25	0.01152	0.01549	0.005	0.0034	4.66E-05	4.62E-04	3.16E-05	1.07E-05	5.51E-04	4.24E-05	4.99E-10	4.21E-07	2.93E-07	4.31E-05	5.39E-05	4.62E-04	3.16E-05	1.07E-05	5.58E-04
5166	479363.09	3864877.25	0.01216	0.01593	0.0049	0.00346	4.92E-05	4.75E-04	3.14E-05	1.09E-05	5.67E-04	4.47E-05	5.13E-10	4.18E-07	2.98E-07	4.54E-05	5.69E-05	4.75E-04	3.14E-05	1.09E-05	5.74E-04
5167	479863.09	3864877.25	0.01278	0.01631	0.0047	0.00342	5.17E-05	4.87E-04	3.00E-05	1.08E-05	5.79E-04	4.70E-05	5.26E-10	4.00E-07	2.94E-07	4.77E-05	5.98E-05	4.87E-04	3.00E-05	1.08E-05	5.87E-04
5168	480363.09	3864877.25	0.01325	0.01674	0.0044	0.00335	5.36E-05	4.99E-04	2.78E-05	1.06E-05	5.91E-04	4.87E-05	5.40E-10	3.71E-07	2.88E-07	4.94E-05	6.20E-05	4.99E-04	2.78E-05	1.06E-05	6.00E-04
5169	480863.09	3864877.25	0.01334	0.01726	0.004	0.00325	5.39E-05	5.15E-04	2.56E-05	1.03E-05	6.05E-04	4.90E-05	5.56E-10	3.41E-07	2.80E-07	4.97E-05	6.24E-05	5.15E-04	2.56E-05	1.03E-05	6.13E-04
5170	481363.09	3864877.25	0.01338	0.01796	0.0038	0.00322	5.41E-05	5.36E-04	2.44E-05	1.02E-05	6.24E-04	4.92E-05	5.79E-10	3.26E-07	2.77E-07	4.98E-05	6.26E-05	5.36E-04	2.44E-05	1.02E-05	6.33E-04
5171	481863.09	3864877.25	0.01359	0.01875	0.0037	0.00321	5.49E-05	5.59E-04	2.35E-05	1.01E-05	6.48E-04	5.00E-05	6.04E-10	3.13E-07	2.76E-07	5.06E-05	6.36E-05	5.59E-04	2.35E-05	1.01E-05	6.57E-04
5172	482363.09	3864877.25	0.01387	0.0195	0.0035	0.00322	5.61E-05	5.82E-04	2.22E-05	1.02E-05	6.70E-04	5.10E-05	6.28E-10	2.96E-07	2.77E-07	5.16E-05	6.49E-05	5.82E-04	2.22E-05	1.02E-05	6.79E-04
5173	482863.09	3864877.25	0.01391	0.02033	0.0033	0.00326	5.62E-05	6.07E-04	2.12E-05	1.03E-05	6.94E-04	5.11E-05	6.55E-10	2.82E-07	2.81E-07	5.17E-05	6.51E-05	6.07E-04	2.12E-05	1.03E-05	7.03E-04
5174	483363.09	3864877.25	0.0137	0.02125	0.0037	0.00333	5.54E-05	6.34E-04	2.33E-05	1.05E-05	7.23E-04	5.04E-05	6.85E-10	3.11E-07	2.87E-07	5.10E-05	6.41E-05	6.34E-04	2.33E-05	1.05E-05	7.32E-04
5175	483863.09	3864877.25	0.0137	0.02177	0.0047	0.00333	5.54E-05	6.49E-04	2.97E-05	1.05E-05	7.45E-04	5.04E-05	7.02E-10	3.95E-07	2.87E-07	5.11E-05	6.41E-05	6.49E-04	2.97E-05	1.05E-05	7.54E-04
5176	484363.09	3864877.25	0.01397	0.02214	0.005	0.00318	5.65E-05	6.61E-04	3.16E-05	1.00E-05	7.59E-04	5.14E-05	7.14E-10	4.22E-07	2.74E-07	5.21E-05	6.53E-05	6.61E-04	3.16E-05	1.00E-05	7.68E-04
5177	484863.09	3864877.25	0.01383	0.02298	0.0039	0.00305	5.59E-05	6.86E-04	2.46E-05	9.63E-06	7.76E-04	5.08E-05	7.41E-10	3.27E-07	2.63E-07	5.14E-05	6.47E-05	6.86E-04	2.46E-05	9.63E-06	7.84E-04
5178	485363.09	3864877.25	0.0132	0.02402	0.0031	0.00307	5.34E-05	7.17E-04	2.00E-05	9.69E-06	8.00E-04	4.85E-05	7.74E-10	2.66E-07	2.64E-07	4.91E-05	6.17E-05	7.17E-04	2.00E-05	9.69E-06	8.08E-04
5179	485863.09	3864877.25	0.01266	0.02414	0.0033	0.00298	5.12E-05	7.20E-04	2.09E-05	9.41E-06	8.02E-04	4.65E-05	7.78E-10	2.79E-07	2.57E-07	4.71E-05	5.92E-05	7.20E-04	2.09E-05	9.41E-06	8.10E-04
5180	486363.09	3864877.25	0.01224	0.02398	0.0031	0.00288	4.95E-05	7.15E-04	1.99E-05	9.09E-06	7.94E-04	4.50E-05	7.73E-10	2.65E-07	2.48E-07	4.55E-05	5.72E-05	7.15E-04	1.99E-05	9.09E-06	8.02E-04
5181	486863.09	3864877.25	0.01197	0.02405	0.0036	0.00288	4.84E-05	7.17E-04	2.29E-05	9.09E-06	7.98E-04	4.40E-05	7.75E-10	3.05E-07	2.48E-07	4.46E-05	5.60E-05	7.17E-04	2.29E-05	9.09E-06	8.05E-04

5182	487363.09	3864877.25	0.0122	0.02342	0.0045	0.00288	4.93E-05	6.99E-04	2.84E-05	9.09E-06	7.86E-04	4.49E-05	7.55E-10	3.79E-07	2.48E-07	4.55E-05	5.71E-05	6.99E-04	2.84E-05	9.09E-06	7.93E-04
5183	487863.09	3864877.25	0.01284	0.0232	0.0048	0.00299	5.19E-05	6.92E-04	3.06E-05	9.44E-06	7.84E-04	4.72E-05	7.48E-10	4.08E-07	2.57E-07	4.79E-05	6.00E-05	6.92E-04	3.06E-05	9.44E-06	7.92E-04
5184	488363.09	3864877.25	0.01325	0.023	0.0045	0.00305	5.36E-05	6.86E-04	2.84E-05	9.63E-06	7.78E-04	4.87E-05	7.41E-10	3.79E-07	2.63E-07	4.94E-05	6.20E-05	6.86E-04	2.84E-05	9.63E-06	7.86E-04
5185	488863.09	3864877.25	0.01324	0.02295	0.0034	0.00286	5.35E-05	6.85E-04	2.16E-05	9.03E-06	7.69E-04	4.87E-05	7.40E-10	2.87E-07	2.46E-07	4.92E-05	6.19E-05	6.85E-04	2.16E-05	9.03E-06	7.77E-04
5186	489363.09	3864877.25	0.01276	0.02323	0.003	0.00277	5.16E-05	6.93E-04	1.89E-05	8.75E-06	7.72E-04	4.69E-05	7.49E-10	2.52E-07	2.39E-07	4.74E-05	5.97E-05	6.93E-04	1.89E-05	8.75E-06	7.80E-04
5187	489863.09	3864877.25	0.01239	0.02354	0.003	0.00278	5.01E-05	7.02E-04	1.93E-05	8.78E-06	7.80E-04	4.56E-05	7.59E-10	2.57E-07	2.39E-07	4.60E-05	5.79E-05	7.02E-04	1.93E-05	8.78E-06	7.88E-04
5188	490363.09	3864877.25	0.01264	0.02376	0.0026	0.00284	5.11E-05	7.09E-04	1.66E-05	8.97E-06	7.86E-04	4.65E-05	7.66E-10	2.22E-07	2.45E-07	4.69E-05	5.91E-05	7.09E-04	1.66E-05	8.97E-06	7.94E-04
5189	490863.09	3864877.25	0.01402	0.02225	0.0025	0.00302	5.67E-05	6.64E-04	1.58E-05	9.54E-06	7.46E-04	5.15E-05	7.17E-10	2.10E-07	2.60E-07	5.20E-05	6.56E-05	6.64E-04	1.58E-05	9.54E-06	7.55E-04
5190	491363.09	3864877.25	0.01418	0.02422	0.0029	0.00331	5.73E-05	7.23E-04	1.84E-05	1.05E-05	8.09E-04	5.21E-05	7.81E-10	2.45E-07	2.85E-07	5.27E-05	6.63E-05	7.23E-04	1.84E-05	1.05E-05	8.18E-04
5191	491863.09	3864877.25	0.01417	0.02199	0.0033	0.0035	5.73E-05	6.56E-04	2.11E-05	1.11E-05	7.45E-04	5.21E-05	7.09E-10	2.82E-07	3.01E-07	5.27E-05	6.63E-05	6.56E-04	2.11E-05	1.11E-05	7.54E-04
5192	492363.09	3864877.25	0.00702	0.0069	0.0036	0.00283	2.84E-05	2.06E-04	2.27E-05	8.94E-06	2.66E-04	2.58E-05	2.22E-10	3.03E-07	2.44E-07	2.64E-05	3.28E-05	2.06E-04	2.27E-05	8.94E-06	2.70E-04
5193	492863.09	3864877.25	0.01024	0.00953	0.0048	0.00307	4.14E-05	2.84E-04	3.08E-05	9.69E-06	3.66E-04	3.76E-05	3.07E-10	4.11E-07	2.64E-07	3.83E-05	4.79E-05	2.84E-04	3.08E-05	9.69E-06	3.73E-04
5194	493363.09	3864877.25	0.00973	0.00988	0.0051	0.00302	3.93E-05	2.95E-04	3.26E-05	9.54E-06	3.76E-04	3.58E-05	3.18E-10	4.35E-07	2.60E-07	3.65E-05	4.55E-05	2.95E-04	3.26E-05	9.54E-06	3.82E-04
5195	493863.09	3864877.25	0.01344	0.01997	0.0065	0.00354	5.43E-05	5.96E-04	4.12E-05	1.12E-05	7.02E-04	4.94E-05	6.44E-10	5.49E-07	3.05E-07	5.03E-05	6.29E-05	5.96E-04	4.12E-05	1.12E-05	7.11E-04
5196	494363.09	3864877.25	0.0145	0.02229	0.0048	0.00328	5.86E-05	6.65E-04	3.05E-05	1.04E-05	7.64E-04	5.33E-05	7.18E-10	4.07E-07	2.82E-07	5.40E-05	6.78E-05	6.65E-04	3.05E-05	1.04E-05	7.74E-04
5197	494863.09	3864877.25	0.01538	0.02238	0.0047	0.00309	6.22E-05	6.68E-04	3.00E-05	9.76E-06	7.70E-04	5.65E-05	7.21E-10	4.01E-07	2.66E-07	5.72E-05	7.19E-05	6.68E-04	3.00E-05	9.76E-06	7.79E-04
5198	495363.09	3864877.25	0.01564	0.02277	0.0052	0.00301	6.32E-05	6.79E-04	3.31E-05	9.50E-06	7.85E-04	5.75E-05	7.34E-10	4.41E-07	2.59E-07	5.82E-05	7.31E-05	6.79E-04	3.31E-05	9.50E-06	7.95E-04
5199	495863.09	3864877.25	0.01516	0.02348	0.0055	0.00305	6.13E-05	7.00E-04	3.53E-05	9.63E-06	8.07E-04	5.57E-05	7.57E-10	4.71E-07	2.63E-07	5.65E-05	7.09E-05	7.00E-04	3.53E-05	9.63E-06	8.16E-04
5200	496363.09	3864877.25	0.01447	0.02372	0.0051	0.00311	5.85E-05	7.08E-04	3.27E-05	9.82E-06	8.09E-04	5.32E-05	7.65E-10	4.36E-07	2.68E-07	5.39E-05	6.77E-05	7.08E-04	3.27E-05	9.82E-06	8.18E-04
5201	496863.09	3864877.25	0.01378	0.02429	0.0047	0.00318	5.57E-05	7.25E-04	2.97E-05	1.00E-05	8.20E-04	5.07E-05	7.83E-10	3.96E-07	2.74E-07	5.13E-05	6.44E-05	7.25E-04	2.97E-05	1.00E-05	8.29E-04
5202	497363.09	3864877.25	0.01339	0.02483	0.0044	0.00325	5.41E-05	7.41E-04	2.82E-05	1.03E-05	8.33E-04	4.92E-05	8.00E-10	3.76E-07	2.80E-07	4.99E-05	6.26E-05	7.41E-04	2.82E-05	1.03E-05	8.42E-04
5203	497863.09	3864877.25	0.01333	0.02517	0.0044	0.00327	5.39E-05	7.51E-04	2.83E-05	1.03E-05	8.43E-04	4.90E-05	8.11E-10	3.78E-07	2.82E-07	4.97E-05	6.23E-05	7.51E-04	2.83E-05	1.03E-05	8.52E-04
5204	498363.09	3864877.25	0.01329	0.02547	0.0045	0.00324	5.37E-05	7.60E-04	2.89E-05	1.02E-05	8.53E-04	4.89E-05	8.21E-10	3.85E-07	2.79E-07	4.95E-05	6.22E-05	7.60E-04	2.89E-05	1.02E-05	8.61E-04
5205	471363.09	3865377.25	0.00678	0.00798	0.0036	0.00266	2.74E-05	2.38E-04	2.26E-05	8.40E-06	2.97E-04	2.49E-05	2.57E-10	3.02E-07	2.29E-07	2.55E-05	3.17E-05	2.38E-04	2.26E-05	8.40E-06	3.01E-04
5206	471863.09	3865377.25	0.00683	0.00832	0.0036	0.00269	2.76E-05	2.48E-04	2.32E-05	8.49E-06	3.07E-04	2.51E-05	2.68E-10	3.09E-07	2.32E-07	2.57E-05	3.19E-05	2.48E-04	2.32E-05	8.49E-06	3.12E-04
5207	472363.09	3865377.25	0.00694	0.0087	0.0038	0.00272	2.81E-05	2.60E-04	2.41E-05	8.59E-06	3.20E-04	2.55E-05	2.80E-10	3.21E-07	2.34E-07	2.61E-05	3.25E-05	2.60E-04	2.41E-05	8.59E-06	3.25E-04
5208	472863.09	3865377.25	0.00711	0.00907	0.004	0.00274	2.87E-05	2.71E-04	2.52E-05	8.65E-06	3.33E-04	2.61E-05	2.92E-10	3.36E-07	2.36E-07	2.67E-05	3.33E-05	2.71E-04	2.52E-05	8.65E-06	3.38E-04
5209	473363.09	3865377.25	0.00728	0.00951	0.0041	0.00277	2.94E-05	2.84E-04	2.63E-05	8.75E-06	3.48E-04	2.68E-05	3.07E-10	3.50E-07	2.39E-07	2.74E-05	3.40E-05	2.84E-04	2.63E-05	8.75E-06	3.53E-04
5210	473863.09	3865377.25	0.00748	0.0099	0.0042	0.00277	3.02E-05	2.95E-04	2.70E-05	8.75E-06	3.61E-04	2.75E-05	3.19E-10	3.61E-07	2.39E-07	2.81E-05	3.50E-05	2.95E-04	2.70E-05	8.75E-06	3.66E-04
5211	474363.09	3865377.25	0.0077	0.01026	0.0043	0.00277	3.11E-05	3.06E-04	2.76E-05	8.75E-06	3.74E-04	2.83E-05	3.31E-10	3.68E-07	2.39E-07	2.89E-05	3.60E-05	3.06E-04	2.76E-05	8.75E-06	3.78E-04
5212	474863.09	3865377.25	0.00794	0.0106	0.0044	0.00276	3.21E-05	3.16E-04	2.81E-05	8.71E-06	3.85E-04	2.92E-05	3.42E-10	3.74E-07	2.38E-07	2.98E-05	3.71E-05	3.16E-04	2.81E-05	8.71E-06	3.90E-04
5213	475363.09	3865377.25	0.00817	0.01096	0.0044	0.00278	3.30E-05	3.27E-04	2.79E-05	8.78E-06	3.97E-04	3.00E-05	3.53E-10	3.72E-07	2.39E-07	3.06E-05	3.82E-05	3.27E-04	2.79E-05	8.78E-06	4.02E-04
5214	475863.09	3865377.25	0.00849	0.01135	0.0044	0.00281	3.43E-05	3.39E-04	2.81E-05	8.87E-06	4.10E-04	3.12E-05	3.66E-10	3.74E-07	2.42E-07	3.18E-05	3.97E-05	3.39E-04	2.81E-05	8.87E-06	4.15E-04
5215	476363.09	3865377.25	0.00899	0.01165	0.0046	0.00285	3.63E-05	3.48E-04	2.91E-05	9.00E-06	4.22E-04	3.31E-05	3.75E-10	3.89E-07	2.45E-07	3.37E-05	4.20E-05	3.48E-04	2.91E-05	9.00E-06	4.28E-04
5216	476863.09	3865377.25	0.00942	0.01106	0.0048	0.00296	3.81E-05	3.30E-04	3.04E-05	9.35E-06	4.08E-04	3.46E-05	3.56E-10	4.06E-07	2.55E-07	3.53E-05	4.41E-05	3.30E-04	3.04E-05	9.35E-06	4.14E-04
5217	477363.09	3865377.25	0.00968	0.01271	0.0047	0.00299	3.91E-05	3.79E-04	3.02E-05	9.44E-06	4.58E-04	3.56E-05	4.10E-10	4.02E-07	2.57E-07	3.62E-05	4.53E-05	3.79E-04	3.02E-05	9.44E-06	4.64E-04
5218	477863.09	3865377.25	0.00992	0.01334	0.0046	0.0031	4.01E-05	3.98E-04	2.95E-05	9.79E-06	4.77E-04	3.65E-05	4.30E-10	3.93E-07	2.67E-07	3.71E-05	4.64E-05	3.98E-04	2.95E-05	9.79E-06	4.84E-04
5219	478363.09	3865377.25	0.01041	0.01379	0.0047	0.0032	4.21E-05	4.11E-04	2.99E-05	1.01E-05	4.93E-04	3.83E-05	4.44E-10	3.98E-07	2.76E-07	3.89E-05	4.87E-05	4.11E-04	2.99E-05	1.01E-05	5.00E-04
5220	478863.09	3865377.25	0.01094	0.01412	0.0046	0.00324	4.42E-05	4.21E-04	2.93E-05	1.02E-05	5.05E-04	4.02E-05	4.55E-10	3.90E-07	2.79E-07	4.09E-05	5.12E-05	4.21E-04	2.93E-05	1.02E-05	5.12E-04
5221	479363.09	3865377.25	0.01147	0.01437	0.0043	0.00322	4.64E-05	4.29E-04	2.77E-05	1.02E-05	5.13E-04	4.22E-05	4.63E-10	3.69E-07	2.77E-07	4.28E-05	5.36E-05	4.29E-04	2.77E-05	1.02E-05	5.20E-04
5222	479863.09	3865377.25	0.01194	0.01471	0.004	0.00315	4.83E-05	4.39E-04	2.56E-05	9.95E-06	5.23E-04	4.39E-05	4.74E-10	3.41E-07	2.71E-07	4.45E-05	5.58E-05	4.39E-04	2.56E-05	9.95E-06	5.30E-04
5223	480363.09	3865377.25	0.01213	0.01519	0.0037	0.00304	4.90E-05	4.53E-04	2.37E-05	9.60E-06	5.35E-04	4.46E-05	4.90E-10	3.16E-07	2.62E-07	4.52E-05	5.67E-05	4.53E-04	2.37E-05	9.60E-06	5.43E-04
5224	480863.09	3865377.25	0.01216	0.01581	0.0035	0.00299	4.92E-05	4.72E-04	2.26E-05	9.44E-06	5.53E-04	4.47E-05	5.10E-10	3.01E-07	2.57E-07	4.53E-05	5.69E-05	4.72E-04	2.26E-05	9.44E-06	5.61E-04
5225	481363.09	3865377.25	0.01225	0.01648	0.0034	0.00296	4.95E-05	4.92E-04	2.19E-05	9.35E-06	5.72E-04	4.50E-05	5.31E-10	2.92E-07	2.55E-07	4.56E-05	5.73E-05	4.92E-04	2.19E-05	9.35E-06	5.80E-04
5226	481863.09	3865377.25	0.01242	0.0171	0.0033	0.00293	5.02E-05	5.10E-04	2.08E-05	9.25E-06	5.90E-04	4.57E-05	5.51E-10	2.77E-07	2.52E-07	4.62E-05	5.81E-05	5.10E-04	2.08E-05	9.25E-06	5.98E-04
5227	482363.09	3865377.25	0.0126	0.01774	0.0031	0.00293	5.09E-05	5.29E-04	1.98E-05	9.25E-06	6.09E-04	4.63E-05	5.72E-10	2.64E-07	2.52E-07	4.68E-05	5.89E-05	5.29E-04	1.98E-05	9.25E-06	6.17E-04
5228	482863.09	3865377.25	0.01253	0.01857	0.0033	0.00301	5.06E-05	5.54E-04	2.07E-05	9.50E-06	6.35E-04	4.61E-05	5.99E-10	2.76E-07	2.59E-07	4.66E-05	5.86E-05	5.54E-04	2.07E-05	9.50E-06	6.43E-04
5229	483363.09	3865377.25	0.0124	0.01928	0.0041	0.0031	5.01E-05	5.75E-04	2.60E-05	9.79E-06	6.61E-04	4.56E-05	6.21E-10	3.47E-07	2.67E-07	4.62E-05	5.80E-05	5.75E-04	2.60E-05	9.79E-06	6.69E-04
5230	483863.09	3865377.25	0.01255	0.01948	0.0049	0.00306	5.07E-05	5.81E-04	3.09E-05	9.66E-06	6.72E-04	4.61E-05	6.28E-10	4.12E-07	2.63E-07	4.68E-05	5.87E-05	5.81E-04	3.09E-05	9.66E-06	6.80E-04
5231	484363.09	3865377.25	0.01277	0.01982	0.0043	0.00294	5.16E-05	5.91E-04	2.75E-05	9.28E-06	6.80E-04	4.69E-05	6.39E-10	3.67E-07	2.53E-07	4.76E-05	5.97E-05	5.91E-04	2.75E-05	9.28E-06	6.88E-04
5232	484863.09	3865377.25	0.01257	0.02059	0.0032	0.00292	5.08E-05	6.14E-04	2.06E-05	9.22E-06	6.95E-04	4.62E-05	6.64E-10	2.75E-07	2.51E-07	4.67E-05	5.88E-05	6.14E-04	2.06E-05	9.22E-06	7.03E-04
5233	485363.09	3865377.25	0.01202	0.02111	0.003	0.00288	4.86E-05	6.30E-04	1.93E-05	9.09E-06	7.07E-04	4.42E-05	6.80E-10	2.58E-07	2.48E-07	4.47E-05	5.62E-05	6.30E-04	1.93E-05	9.09E-06	7.14E-04
5234	485863.09	3865377.25	0.01156	0.02089	0.0031	0.00271	4.67E-05	6.23E-04	2.00E-05	8.56E-06	6.98E-04	4.25E-05	6.73E-10	2.66E-07	2.33E-07	4.30E-05	5.41E-05	6.23E-04	2.00E-05	8.56E-06	7.06E-04
5235	486363.09	3865377.25	0.01117	0.02107	0.003	0.0027	4.52E-05	6.29E-04	1.89E-05	8.52E-06	7.01E-04	4.11E-05	6.79E-10	2.52E-07	2.32E-07	4.16E-05	5.22E-05	6.29E-04	1.89E-05	8.52E-06	7.08E-04
5236	486863.09	3865377.25	0.01087	0.02106	0.0035	0.00271	4.39E-05	6.28E-04	2.25E-05	8.56E-06	7.03E-04	4.00E-05	6.79E-10	3.00E-07	2.33E-07	4.05E-05	5.08E-05	6.28E-04	2.25E-05	8.56E-06	7.10E-04
5237	487363.09	3865377.25	0.01103	0.02048	0.0043	0.00273	4.46E-05	6.11E-04	2.76E-05	8.62E-06	6.92E-04	4.06E-05	6.60E-10	3.67E-07	2.35E-07	4.12E-05	5.16E-05	6.11E-04	2.76E-05	8.62E-06	6.99E-04
5238	487863.09	3865377.25	0.01163	0.0202	0.0046	0.0028	4.70E-05	6.03E-04	2.91E-05	8.84E-06	6.88E-04	4.28E-05	6.51E-10	3.88E-07	2.41E-07	4.34E-05	5.44E-05	6.03E-04	2.91E-05	8.84E-06	6.95E-04
5239	488363.09	3865377.25	0.0121	0.01997	0.0043	0.00282	4.89E-05	5.96E-04	2.71E-05	8.90E-06	6.81E-04	4.45E-05	6.44E-10	3.61E-07	2.43E-07	4.51E-05	5.66E-05	5.96E-04	2.71E-05	8.90E-06	6.88E-04
5240	488863.09	3865377.25	0.01221	0.01997	0.0033	0.00265	4.94E-05	5.96E-04	2.09E-05	8.37E-06	6.74E-04	4.49E-05	6.44E-10	2.78E-07	2.28E-07	4.54E-05	5.71E-05	5.96E-04	2.09E-05	8.37E-06	6.82E-04
5241	489363.09	3865377.25	0.0119	0.02034	0.0028	0.00255	4.81E-05	6.07E-04	1.79E-05	8.05E-06	6.81E-04	4.38E-05	6.56E-10	2.39E-07	2.20E-07	4.42E-05	5.57E-05	6.07E-04	1.79E-05	8.05E-06	6.88E-04
5242	489863.09	3865377.25	0.01153	0.02065	0.003	0.0026	4.66E-05	6.16E-04	1.89E-05	8.21E-06	6.90E-04	4.24E-05	6.66E-10	2.52E-07	2.24E-07	4.29E-05	5.39E-05	6.16E-04	1.89E-05	8.21E-06	6.97E-04

5243	490363.09	3865377.25	0.01186	0.01967	0.0028	0.00258	4.79E-05	5.87E-04	1.78E-05	8.15E-06	6.61E-04	4.36E-05	6.34E-10	2.37E-07	2.22E-07	4.41E-05	5.55E-05	5.87E-04	1.78E-05	8.15E-06	6.68E-04
5244	490863.09	3865377.25	0.0124	0.01896	0.0023	0.00268	5.01E-05	5.66E-04	1.47E-05	8.46E-06	6.39E-04	4.56E-05	6.11E-10	1.96E-07	2.31E-07	4.60E-05	5.80E-05	5.66E-04	1.47E-05	8.46E-06	6.47E-04
5245	491363.09	3865377.25	0.01304	0.01847	0.0024	0.00291	5.27E-05	5.51E-04	1.52E-05	9.19E-06	6.28E-04	4.79E-05	5.95E-10	2.03E-07	2.51E-07	4.84E-05	6.10E-05	5.51E-04	1.52E-05	9.19E-06	6.36E-04
5246	491863.09	3865377.25	0.01308	0.0189	0.0028	0.00319	5.29E-05	5.64E-04	1.76E-05	1.01E-05	6.44E-04	4.81E-05	6.09E-10	2.35E-07	2.75E-07	4.86E-05	6.12E-05	5.64E-04	1.76E-05	1.01E-05	6.53E-04
5247	492363.09	3865377.25	0.01179	0.0137	0.0034	0.00391	4.77E-05	4.09E-04	2.15E-05	1.23E-05	4.90E-04	4.33E-05	4.42E-10	2.87E-07	3.37E-07	4.40E-05	5.51E-05	4.09E-04	2.15E-05	1.23E-05	4.98E-04
5248	492863.09	3865377.25	0.01062	0.00983	0.0041	0.00311	4.29E-05	2.93E-04	2.63E-05	9.82E-06	3.72E-04	3.90E-05	3.17E-10	3.51E-07	2.68E-07	3.97E-05	4.97E-05	2.93E-04	2.63E-05	9.82E-06	3.79E-04
5249	493363.09	3865377.25	0.00902	0.00831	0.0044	0.0027	3.65E-05	2.48E-04	2.77E-05	8.52E-06	3.21E-04	3.32E-05	2.68E-10	3.70E-07	2.32E-07	3.38E-05	4.22E-05	2.48E-04	2.77E-05	8.52E-06	3.26E-04
5250	493863.09	3865377.25	0.01221	0.01353	0.0071	0.00323	4.94E-05	4.04E-04	4.52E-05	1.02E-05	5.08E-04	4.49E-05	4.36E-10	6.03E-07	2.78E-07	4.58E-05	5.71E-05	4.04E-04	4.52E-05	1.02E-05	5.16E-04
5251	494363.09	3865377.25	0.01228	0.01853	0.0053	0.00321	4.96E-05	5.53E-04	3.37E-05	1.01E-05	6.46E-04	4.51E-05	5.97E-10	4.50E-07	2.76E-07	4.59E-05	5.74E-05	5.53E-04	3.37E-05	1.01E-05	6.54E-04
5252	494863.09	3865377.25	0.01315	0.01958	0.0045	0.00307	5.32E-05	5.84E-04	2.84E-05	9.69E-06	6.75E-04	4.83E-05	6.31E-10	3.79E-07	2.64E-07	4.90E-05	6.15E-05	5.84E-04	2.84E-05	9.69E-06	6.84E-04
5253	495363.09	3865377.25	0.01401	0.01951	0.0044	0.00288	5.66E-05	5.82E-04	2.79E-05	9.09E-06	6.76E-04	5.15E-05	6.29E-10	3.73E-07	2.48E-07	5.21E-05	6.55E-05	5.82E-04	2.79E-05	9.09E-06	6.85E-04
5254	495863.09	3865377.25	0.01427	0.01997	0.0049	0.00278	5.77E-05	5.96E-04	3.10E-05	8.78E-06	6.93E-04	5.25E-05	6.44E-10	4.13E-07	2.39E-07	5.31E-05	6.67E-05	5.96E-04	3.10E-05	8.78E-06	7.02E-04
5255	496363.09	3865377.25	0.01402	0.01981	0.0051	0.00277	5.67E-05	5.91E-04	3.24E-05	8.75E-06	6.89E-04	5.15E-05	6.38E-10	4.32E-07	2.39E-07	5.22E-05	6.56E-05	5.91E-04	3.24E-05	8.75E-06	6.98E-04
5256	496863.09	3865377.25	0.01339	0.01995	0.0048	0.00284	5.41E-05	5.95E-04	3.06E-05	8.97E-06	6.89E-04	4.92E-05	6.43E-10	4.07E-07	2.45E-07	4.99E-05	6.26E-05	5.95E-04	3.06E-05	8.97E-06	6.97E-04
5257	497363.09	3865377.25	0.0127	0.02082	0.0044	0.00291	5.13E-05	6.21E-04	2.81E-05	9.19E-06	7.10E-04	4.67E-05	6.71E-10	3.74E-07	2.51E-07	4.73E-05	5.94E-05	6.21E-04	2.81E-05	9.19E-06	7.18E-04
5258	497863.09	3865377.25	0.01229	0.02135	0.0042	0.00298	4.97E-05	6.37E-04	2.66E-05	9.41E-06	7.23E-04	4.52E-05	6.88E-10	3.55E-07	2.57E-07	4.58E-05	5.75E-05	6.37E-04	2.66E-05	9.41E-06	7.30E-04
5259	498363.09	3865377.25	0.01222	0.02157	0.0041	0.00299	4.94E-05	6.44E-04	2.61E-05	9.44E-06	7.28E-04	4.49E-05	6.95E-10	3.48E-07	2.57E-07	4.55E-05	5.71E-05	6.44E-04	2.61E-05	9.44E-06	7.36E-04
5260	471363.09	3865877.25	0.00628	0.00785	0.0036	0.00258	2.54E-05	2.34E-04	2.28E-05	8.15E-06	2.91E-04	2.31E-05	2.53E-10	3.04E-07	2.22E-07	2.36E-05	2.94E-05	2.34E-04	2.28E-05	8.15E-06	2.95E-04
5261	471863.09	3865877.25	0.00641	0.00819	0.0037	0.00261	2.59E-05	2.44E-04	2.39E-05	8.24E-06	3.02E-04	2.36E-05	2.64E-10	3.18E-07	2.25E-07	2.41E-05	3.00E-05	2.44E-04	2.39E-05	8.24E-06	3.06E-04
5262	472363.09	3865877.25	0.00662	0.00847	0.0039	0.00262	2.68E-05	2.53E-04	2.49E-05	8.27E-06	3.13E-04	2.43E-05	2.73E-10	3.32E-07	2.26E-07	2.49E-05	3.10E-05	2.53E-04	2.49E-05	8.27E-06	3.17E-04
5263	472863.09	3865877.25	0.00677	0.00882	0.004	0.00263	2.74E-05	2.63E-04	2.56E-05	8.30E-06	3.24E-04	2.49E-05	2.84E-10	3.42E-07	2.26E-07	2.55E-05	3.17E-05	2.63E-04	2.56E-05	8.30E-06	3.29E-04
5264	473363.09	3865877.25	0.00695	0.00913	0.0041	0.00263	2.81E-05	2.72E-04	2.59E-05	8.30E-06	3.35E-04	2.56E-05	2.94E-10	3.45E-07	2.26E-07	2.61E-05	3.25E-05	2.72E-04	2.59E-05	8.30E-06	3.39E-04
5265	473863.09	3865877.25	0.00713	0.00942	0.0041	0.00262	2.88E-05	2.81E-04	2.62E-05	8.27E-06	3.44E-04	2.62E-05	3.04E-10	3.50E-07	2.26E-07	2.68E-05	3.33E-05	2.81E-04	2.62E-05	8.27E-06	3.49E-04
5266	474363.09	3865877.25	0.00731	0.0097	0.0041	0.00261	2.95E-05	2.89E-04	2.63E-05	8.24E-06	3.53E-04	2.69E-05	3.13E-10	3.50E-07	2.25E-07	2.75E-05	3.42E-05	2.89E-04	2.63E-05	8.24E-06	3.58E-04
5267	474863.09	3865877.25	0.00753	0.01	0.0042	0.00263	3.04E-05	2.98E-04	2.65E-05	8.30E-06	3.64E-04	2.77E-05	3.22E-10	3.54E-07	2.26E-07	2.83E-05	3.52E-05	2.98E-04	2.65E-05	8.30E-06	3.68E-04
5268	475363.09	3865877.25	0.00779	0.01035	0.0042	0.00267	3.15E-05	3.09E-04	2.66E-05	8.43E-06	3.75E-04	2.86E-05	3.34E-10	3.55E-07	2.30E-07	2.92E-05	3.64E-05	3.09E-04	2.66E-05	8.43E-06	3.80E-04
5269	475863.09	3865877.25	0.00812	0.01074	0.0042	0.00273	3.28E-05	3.20E-04	2.69E-05	8.62E-06	3.89E-04	2.99E-05	3.46E-10	3.59E-07	2.35E-07	3.04E-05	3.80E-05	3.20E-04	2.69E-05	8.62E-06	3.94E-04
5270	476363.09	3865877.25	0.00861	0.01081	0.0044	0.00276	3.48E-05	3.22E-04	2.81E-05	8.71E-06	3.94E-04	3.17E-05	3.48E-10	3.75E-07	2.38E-07	3.23E-05	4.03E-05	3.22E-04	2.81E-05	8.71E-06	4.00E-04
5271	476863.09	3865877.25	0.00892	0.0104	0.0046	0.00286	3.61E-05	3.10E-04	2.93E-05	9.03E-06	3.85E-04	3.28E-05	3.35E-10	3.90E-07	2.46E-07	3.34E-05	4.17E-05	3.10E-04	2.93E-05	9.03E-06	3.90E-04
5272	477363.09	3865877.25	0.0092	0.01183	0.0046	0.00289	3.72E-05	3.53E-04	2.92E-05	9.12E-06	4.28E-04	3.38E-05	3.81E-10	3.90E-07	2.49E-07	3.45E-05	4.30E-05	3.53E-04	2.92E-05	9.12E-06	4.34E-04
5273	477863.09	3865877.25	0.00948	0.0123	0.0045	0.00301	3.83E-05	3.67E-04	2.84E-05	9.50E-06	4.43E-04	3.49E-05	3.96E-10	3.79E-07	2.59E-07	3.55E-05	4.43E-05	3.67E-04	2.84E-05	9.50E-06	4.49E-04
5274	478363.09	3865877.25	0.00994	0.01257	0.0043	0.00306	4.02E-05	3.75E-04	2.76E-05	9.66E-06	4.52E-04	3.65E-05	4.05E-10	3.68E-07	2.63E-07	3.72E-05	4.65E-05	3.75E-04	2.76E-05	9.66E-06	4.59E-04
5275	478863.09	3865877.25	0.0104	0.0128	0.0041	0.00305	4.20E-05	3.82E-04	2.58E-05	9.63E-06	4.59E-04	3.82E-05	4.13E-10	3.44E-07	2.63E-07	3.88E-05	4.86E-05	3.82E-04	2.58E-05	9.63E-06	4.66E-04
5276	479363.09	3865877.25	0.01081	0.0131	0.0037	0.00299	4.37E-05	3.91E-04	2.37E-05	9.44E-06	4.68E-04	3.97E-05	4.22E-10	3.16E-07	2.57E-07	4.03E-05	5.06E-05	3.91E-04	2.37E-05	9.44E-06	4.75E-04
5277	479863.09	3865877.25	0.01106	0.01354	0.0035	0.00289	4.47E-05	4.04E-04	2.21E-05	9.12E-06	4.80E-04	4.07E-05	4.36E-10	2.94E-07	2.49E-07	4.12E-05	5.17E-05	4.04E-04	2.21E-05	9.12E-06	4.87E-04
5278	480363.09	3865877.25	0.01117	0.01409	0.0033	0.0028	4.52E-05	4.20E-04	2.11E-05	8.84E-06	4.95E-04	4.11E-05	4.54E-10	2.82E-07	2.41E-07	4.16E-05	5.22E-05	4.20E-04	2.11E-05	8.84E-06	5.03E-04
5279	480863.09	3865877.25	0.01122	0.01464	0.0032	0.00276	4.54E-05	4.37E-04	2.05E-05	8.71E-06	5.11E-04	4.13E-05	4.72E-10	2.73E-07	2.38E-07	4.18E-05	5.25E-05	4.37E-04	2.05E-05	8.71E-06	5.18E-04
5280	481363.09	3865877.25	0.01126	0.01512	0.0031	0.00271	4.55E-05	4.51E-04	1.96E-05	8.56E-06	5.25E-04	4.14E-05	4.87E-10	2.62E-07	2.33E-07	4.19E-05	5.27E-05	4.51E-04	1.96E-05	8.56E-06	5.32E-04
5281	481863.09	3865877.25	0.01139	0.01564	0.0029	0.00268	4.60E-05	4.67E-04	1.86E-05	8.46E-06	5.40E-04	4.19E-05	5.04E-10	2.48E-07	2.31E-07	4.24E-05	5.33E-05	4.67E-04	1.86E-05	8.46E-06	5.47E-04
5282	482363.09	3865877.25	0.01148	0.01633	0.003	0.00273	4.64E-05	4.87E-04	1.88E-05	8.62E-06	5.61E-04	4.22E-05	5.26E-10	2.51E-07	2.35E-07	4.27E-05	5.37E-05	4.87E-04	1.88E-05	8.62E-06	5.68E-04
5283	482863.09	3865877.25	0.01138	0.01708	0.0035	0.00284	4.60E-05	5.10E-04	2.26E-05	8.97E-06	5.87E-04	4.18E-05	5.50E-10	3.01E-07	2.45E-07	4.24E-05	5.32E-05	5.10E-04	2.26E-05	8.97E-06	5.94E-04
5284	483363.09	3865877.25	0.01135	0.01744	0.0045	0.0029	4.59E-05	5.20E-04	2.86E-05	9.16E-06	6.04E-04	4.17E-05	5.62E-10	3.81E-07	2.50E-07	4.24E-05	5.31E-05	5.20E-04	2.86E-05	9.16E-06	6.11E-04
5285	483863.09	3865877.25	0.0116	0.01755	0.0046	0.00284	4.69E-05	5.24E-04	2.91E-05	8.97E-06	6.09E-04	4.26E-05	5.66E-10	3.89E-07	2.45E-07	4.33E-05	5.42E-05	5.24E-04	2.91E-05	8.97E-06	6.16E-04
5286	484363.09	3865877.25	0.01176	0.01796	0.0036	0.00281	4.75E-05	5.36E-04	2.30E-05	8.87E-06	6.15E-04	4.32E-05	5.79E-10	3.06E-07	2.42E-07	4.38E-05	5.50E-05	5.36E-04	2.30E-05	8.87E-06	6.23E-04
5287	484863.09	3865877.25	0.01147	0.01849	0.0029	0.00281	4.64E-05	5.52E-04	1.83E-05	8.87E-06	6.25E-04	4.22E-05	5.96E-10	2.44E-07	2.42E-07	4.27E-05	5.36E-05	5.52E-04	1.83E-05	8.87E-06	6.32E-04
5288	485363.09	3865877.25	0.011	0.01855	0.003	0.00264	4.45E-05	5.53E-04	1.92E-05	8.34E-06	6.25E-04	4.04E-05	5.98E-10	2.56E-07	2.27E-07	4.09E-05	5.14E-05	5.53E-04	1.92E-05	8.34E-06	6.32E-04
5289	485863.09	3865877.25	0.01061	0.0183	0.0029	0.00251	4.29E-05	5.46E-04	1.86E-05	7.93E-06	6.15E-04	3.90E-05	5.90E-10	2.48E-07	2.16E-07	3.95E-05	4.96E-05	5.46E-04	1.86E-05	7.93E-06	6.22E-04
5290	486363.09	3865877.25	0.01022	0.01872	0.0028	0.00256	4.13E-05	5.58E-04	1.81E-05	8.08E-06	6.26E-04	3.76E-05	6.03E-10	2.42E-07	2.20E-07	3.80E-05	4.78E-05	5.58E-04	1.81E-05	8.08E-06	6.32E-04
5291	486863.09	3865877.25	0.00992	0.01862	0.0035	0.00256	4.01E-05	5.55E-04	2.23E-05	8.08E-06	6.26E-04	3.65E-05	6.00E-10	2.97E-07	2.20E-07	3.70E-05	4.64E-05	5.55E-04	2.23E-05	8.08E-06	6.32E-04
5292	487363.09	3865877.25	0.01002	0.0181	0.0042	0.0026	4.05E-05	5.40E-04	2.67E-05	8.21E-06	6.15E-04	3.68E-05	5.83E-10	3.55E-07	2.24E-07	3.74E-05	4.69E-05	5.40E-04	2.67E-05	8.21E-06	6.22E-04
5293	487863.09	3865877.25	0.0106	0.01786	0.0044	0.00265	4.28E-05	5.33E-04	2.78E-05	8.37E-06	6.12E-04	3.90E-05	5.76E-10	3.71E-07	2.28E-07	3.96E-05	4.96E-05	5.33E-04	2.78E-05	8.37E-06	6.19E-04
5294	488363.09	3865877.25	0.01107	0.01756	0.0041	0.00263	4.47E-05	5.24E-04	2.59E-05	8.30E-06	6.03E-04	4.07E-05	5.66E-10	3.45E-07	2.26E-07	4.13E-05	5.18E-05	5.24E-04	2.59E-05	8.30E-06	6.10E-04
5295	488863.09	3865877.25	0.0113	0.01754	0.0032	0.00248	4.57E-05	5.23E-04	2.03E-05	7.83E-06	5.97E-04	4.15E-05	5.65E-10	2.70E-07	2.14E-07	4.20E-05	5.28E-05	5.23E-04	2.03E-05	7.83E-06	6.04E-04
5296	489363.09	3865877.25	0.01116	0.01795	0.0027	0.00238	4.51E-05	5.36E-04	1.72E-05	7.51E-06	6.05E-04	4.10E-05	5.79E-10	2.29E-07	2.05E-07	4.15E-05	5.22E-05	5.36E-04	1.72E-05	7.51E-06	6.12E-04
5297	489863.09	3865877.25	0.01077	0.0183	0.0029	0.00243	4.35E-05	5.46E-04	1.82E-05	7.67E-06	6.15E-04	3.96E-05	5.90E-10	2.43E-07	2.09E-07	4.00E-05	5.04E-05	5.46E-04	1.82E-05	7.67E-06	6.22E-04
5298	490363.09	3865877.25	0.01069	0.01807	0.0029	0.00241	4.32E-05	5.39E-04	1.85E-05	7.61E-06	6.08E-04	3.93E-05	5.82E-10	2.47E-07	2.08E-07	3.98E-05	5.00E-05	5.39E-04	1.85E-05	7.61E-06	6.15E-04
5299	490863.09	3865877.25	0.01101	0.01721	0.0023	0.00244	4.45E-05	5.13E-04	1.45E-05	7.70E-06	5.80E-04	4.05E-05	5.55E-10	1.93E-07	2.10E-07	4.09E-05	5.15E-05	5.13E-04	1.45E-05	7.70E-06	5.87E-04
5300	491363.09	3865877.25	0.01167	0.01588	0.0022	0.00259	4.72E-05	4.74E-04	1.38E-05	8.18E-06	5.43E-04	4.29E-05	5.12E-10	1.84E-07	2.23E-07	4.33E-05	5.46E-05	4.74E-04	1.38E-05	8.18E-06	5.50E-04
5301	491863.09	3865877.25	0.01217	0.01565	0.0024	0.00284	4.92E-05	4.67E-04	1.52E-05	8.97E-06	5.40E-04	4.47E-05	5.04E-10	2.02E-07	2.45E-07	4.52E-05	5.69E-05	4.67E-04	1.52E-05	8.97E-06	5.48E-04
5302	492363.09	3865877.25	0.01154	0.01446	0.0028	0.00314	4.66E-05	4.31E-04	1.77E-05	9.91E-06	5.06E-04	4.24E-05	4.66E-10	2.36E-07	2.70E-07	4.29E-05	5.40E-05	4.31E-04	1.77E-05	9.91E-06	5.13E-04
5303	492863.09	3865877.25	0.0097	0.00944	0.0034	0.00308	3.92E-05	2.82E-04	2.15E-05	9.72E-06	3.52E-04	3.57E-05	3.04E-10	2.87E-07	2.65E-07	3.62E-05	4.54E-05	2.82E-04	2.15E-05	9.72E-06	3.58E-04

5304	493363.09	3865877.25	0.01039	0.00966	0.0044	0.00309	4.20E-05	2.88E-04	2.79E-05	9.76E-06	3.68E-04	3.82E-05	3.11E-10	3.72E-07	2.66E-07	3.88E-05	4.86E-05	2.88E-04	2.79E-05	9.76E-06	3.74E-04
5305	493863.09	3865877.25	0.01183	0.01246	0.0051	0.00294	4.78E-05	3.72E-04	3.27E-05	9.28E-06	4.61E-04	4.35E-05	4.02E-10	4.35E-07	2.53E-07	4.42E-05	5.53E-05	3.72E-04	3.27E-05	9.28E-06	4.69E-04
5306	494363.09	3865877.25	0.01192	0.01604	0.0053	0.00294	4.82E-05	4.79E-04	3.35E-05	9.28E-06	5.69E-04	4.38E-05	5.17E-10	4.46E-07	2.53E-07	4.45E-05	5.57E-05	4.79E-04	3.35E-05	9.28E-06	5.77E-04
5307	494863.09	3865877.25	0.01186	0.01866	0.0045	0.00294	4.79E-05	5.57E-04	2.86E-05	9.28E-06	6.43E-04	4.36E-05	6.01E-10	3.82E-07	2.53E-07	4.42E-05	5.55E-05	5.57E-04	2.86E-05	9.28E-06	6.50E-04
5308	495363.09	3865877.25	0.0122	0.01819	0.0041	0.00287	4.93E-05	5.43E-04	2.64E-05	9.06E-06	6.27E-04	4.49E-05	5.86E-10	3.52E-07	2.47E-07	4.55E-05	5.71E-05	5.43E-04	2.64E-05	9.06E-06	6.35E-04
5309	495863.09	3865877.25	0.01282	0.01723	0.0041	0.00271	5.18E-05	5.14E-04	2.61E-05	8.56E-06	6.00E-04	4.71E-05	5.55E-10	3.48E-07	2.33E-07	4.77E-05	6.00E-05	5.14E-04	2.61E-05	8.56E-06	6.09E-04
5310	496363.09	3865877.25	0.01324	0.01665	0.0045	0.00258	5.35E-05	4.97E-04	2.87E-05	8.15E-06	5.87E-04	4.87E-05	5.37E-10	3.83E-07	2.22E-07	4.93E-05	6.19E-05	4.97E-04	2.87E-05	8.15E-06	5.95E-04
5311	496863.09	3865877.25	0.01302	0.01629	0.0048	0.00258	5.26E-05	4.86E-04	3.08E-05	8.15E-06	5.78E-04	4.79E-05	5.25E-10	4.11E-07	2.22E-07	4.85E-05	6.09E-05	4.86E-04	3.08E-05	8.15E-06	5.86E-04
5312	497363.09	3865877.25	0.01239	0.01711	0.0046	0.00262	5.01E-05	5.10E-04	2.91E-05	8.27E-06	5.98E-04	4.56E-05	5.51E-10	3.89E-07	2.26E-07	4.62E-05	5.79E-05	5.10E-04	2.91E-05	8.27E-06	6.06E-04
5313	497863.09	3865877.25	0.0118	0.01773	0.0041	0.0027	4.77E-05	5.29E-04	2.62E-05	8.52E-06	6.11E-04	4.34E-05	5.71E-10	3.50E-07	2.32E-07	4.40E-05	5.52E-05	5.29E-04	2.62E-05	8.52E-06	6.19E-04
5314	498363.09	3865877.25	0.01122	0.01741	0.0037	0.00282	4.54E-05	5.19E-04	2.38E-05	8.90E-06	5.97E-04	4.13E-05	5.61E-10	3.17E-07	2.43E-07	4.18E-05	5.25E-05	5.19E-04	2.38E-05	8.90E-06	6.05E-04
5315	471363.09	3866377.25	0.00597	0.00769	0.0037	0.0025	2.41E-05	2.29E-04	2.35E-05	7.89E-06	2.85E-04	2.19E-05	2.48E-10	3.13E-07	2.15E-07	2.25E-05	2.79E-05	2.29E-04	2.35E-05	7.89E-06	2.89E-04
5316	471863.09	3866377.25	0.00617	0.00792	0.0039	0.0025	2.49E-05	2.36E-04	2.47E-05	7.89E-06	2.94E-04	2.27E-05	2.55E-10	3.29E-07	2.15E-07	2.32E-05	2.89E-05	2.36E-04	2.47E-05	7.89E-06	2.98E-04
5317	472363.09	3866377.25	0.00635	0.00815	0.004	0.00249	2.57E-05	2.43E-04	2.52E-05	7.86E-06	3.02E-04	2.33E-05	2.63E-10	3.36E-07	2.14E-07	2.39E-05	2.97E-05	2.43E-04	2.52E-05	7.86E-06	3.06E-04
5318	472863.09	3866377.25	0.00648	0.00843	0.0039	0.00249	2.62E-05	2.51E-04	2.47E-05	7.86E-06	3.10E-04	2.38E-05	2.72E-10	3.29E-07	2.14E-07	2.44E-05	3.03E-05	2.51E-04	2.47E-05	7.86E-06	3.14E-04
5319	473363.09	3866377.25	0.00663	0.00866	0.0039	0.00248	2.68E-05	2.58E-04	2.49E-05	7.83E-06	3.18E-04	2.44E-05	2.79E-10	3.32E-07	2.14E-07	2.49E-05	3.10E-05	2.58E-04	2.49E-05	7.83E-06	3.22E-04
5320	473863.09	3866377.25	0.00676	0.00891	0.0039	0.00248	2.73E-05	2.66E-04	2.49E-05	7.83E-06	3.26E-04	2.49E-05	2.87E-10	3.32E-07	2.14E-07	2.54E-05	3.16E-05	2.66E-04	2.49E-05	7.83E-06	3.30E-04
5321	474363.09	3866377.25	0.00693	0.00918	0.0039	0.0025	2.80E-05	2.74E-04	2.49E-05	7.89E-06	3.35E-04	2.55E-05	2.96E-10	3.33E-07	2.15E-07	2.60E-05	3.24E-05	2.74E-04	2.49E-05	7.89E-06	3.39E-04
5322	474863.09	3866377.25	0.00717	0.00948	0.004	0.00254	2.90E-05	2.83E-04	2.53E-05	8.02E-06	3.45E-04	2.64E-05	3.06E-10	3.37E-07	2.19E-07	2.69E-05	3.35E-05	2.83E-04	2.53E-05	8.02E-06	3.50E-04
5323	475363.09	3866377.25	0.00744	0.0098	0.004	0.00259	3.01E-05	2.92E-04	2.54E-05	8.18E-06	3.56E-04	2.74E-05	3.16E-10	3.38E-07	2.23E-07	2.79E-05	3.48E-05	2.92E-04	2.54E-05	8.18E-06	3.61E-04
5324	475863.09	3866377.25	0.00773	0.01015	0.004	0.00264	3.12E-05	3.03E-04	2.56E-05	8.34E-06	3.68E-04	2.84E-05	3.27E-10	3.41E-07	2.27E-07	2.90E-05	3.62E-05	3.03E-04	2.56E-05	8.34E-06	3.73E-04
5325	476363.09	3866377.25	0.00817	0.01035	0.0043	0.00269	3.30E-05	3.09E-04	2.73E-05	8.49E-06	3.78E-04	3.00E-05	3.34E-10	3.64E-07	2.32E-07	3.06E-05	3.82E-05	3.09E-04	2.73E-05	8.49E-06	3.83E-04
5326	476863.09	3866377.25	0.00843	0.00942	0.0045	0.00279	3.41E-05	2.81E-04	2.87E-05	8.81E-06	3.53E-04	3.10E-05	3.04E-10	3.83E-07	2.40E-07	3.16E-05	3.94E-05	2.81E-04	2.87E-05	8.81E-06	3.58E-04
5327	477363.09	3866377.25	0.00885	0.01056	0.0044	0.0028	3.58E-05	3.15E-04	2.81E-05	8.84E-06	3.88E-04	3.25E-05	3.40E-10	3.75E-07	2.41E-07	3.32E-05	4.14E-05	3.15E-04	2.81E-05	8.84E-06	3.93E-04
5328	477863.09	3866377.25	0.00914	0.01126	0.0042	0.00292	3.69E-05	3.36E-04	2.67E-05	9.22E-06	4.09E-04	3.36E-05	3.63E-10	3.55E-07	2.51E-07	3.42E-05	4.27E-05	3.36E-04	2.67E-05	9.22E-06	4.15E-04
5329	478363.09	3866377.25	0.00947	0.01152	0.0038	0.00289	3.83E-05	3.44E-04	2.42E-05	9.12E-06	4.15E-04	3.48E-05	3.71E-10	3.22E-07	2.49E-07	3.54E-05	4.43E-05	3.44E-04	2.42E-05	9.12E-06	4.21E-04
5330	478863.09	3866377.25	0.00984	0.01181	0.0035	0.00285	3.98E-05	3.52E-04	2.22E-05	9.00E-06	4.23E-04	3.62E-05	3.81E-10	2.96E-07	2.45E-07	3.67E-05	4.60E-05	3.52E-04	2.22E-05	9.00E-06	4.30E-04
5331	479363.09	3866377.25	0.01016	0.01222	0.0033	0.00278	4.11E-05	3.65E-04	2.09E-05	8.78E-06	4.35E-04	3.74E-05	3.94E-10	2.78E-07	2.39E-07	3.79E-05	4.75E-05	3.65E-04	2.09E-05	8.78E-06	4.42E-04
5332	479863.09	3866377.25	0.01037	0.01271	0.0032	0.00269	4.19E-05	3.79E-04	2.01E-05	8.49E-06	4.50E-04	3.81E-05	4.10E-10	2.68E-07	2.32E-07	3.86E-05	4.85E-05	3.79E-04	2.01E-05	8.49E-06	4.56E-04
5333	480363.09	3866377.25	0.01045	0.01316	0.0031	0.00262	4.22E-05	3.93E-04	1.95E-05	8.27E-06	4.63E-04	3.84E-05	4.24E-10	2.60E-07	2.26E-07	3.89E-05	4.89E-05	3.93E-04	1.95E-05	8.27E-06	4.69E-04
5334	480863.09	3866377.25	0.01043	0.01354	0.0029	0.00255	4.22E-05	4.04E-04	1.88E-05	8.05E-06	4.73E-04	3.83E-05	4.36E-10	2.50E-07	2.20E-07	3.88E-05	4.88E-05	4.04E-04	1.88E-05	8.05E-06	4.80E-04
5335	481363.09	3866377.25	0.01044	0.01396	0.0028	0.0025	4.22E-05	4.16E-04	1.78E-05	7.89E-06	4.84E-04	3.84E-05	4.50E-10	2.37E-07	2.15E-07	3.88E-05	4.88E-05	4.16E-04	1.78E-05	7.89E-06	4.91E-04
5336	481863.09	3866377.25	0.01049	0.0145	0.0027	0.00251	4.24E-05	4.33E-04	1.75E-05	7.93E-06	5.00E-04	3.86E-05	4.67E-10	2.33E-07	2.16E-07	3.90E-05	4.91E-05	4.33E-04	1.75E-05	7.93E-06	5.07E-04
5337	482363.09	3866377.25	0.01051	0.01517	0.0031	0.00259	4.25E-05	4.53E-04	1.99E-05	8.18E-06	5.23E-04	3.86E-05	4.89E-10	2.65E-07	2.23E-07	3.91E-05	4.92E-05	4.53E-04	1.99E-05	8.18E-06	5.30E-04
5338	482863.09	3866377.25	0.01044	0.01567	0.004	0.00269	4.22E-05	4.67E-04	2.55E-05	8.49E-06	5.44E-04	3.84E-05	5.05E-10	3.39E-07	2.32E-07	3.90E-05	4.88E-05	4.67E-04	2.55E-05	8.49E-06	5.50E-04
5339	483363.09	3866377.25	0.01051	0.01581	0.0045	0.0027	4.25E-05	4.72E-04	2.90E-05	8.52E-06	5.52E-04	3.86E-05	5.10E-10	3.86E-07	2.32E-07	3.93E-05	4.92E-05	4.72E-04	2.90E-05	8.52E-06	5.58E-04
5340	483863.09	3866377.25	0.01077	0.01594	0.004	0.00269	4.35E-05	4.76E-04	2.53E-05	8.49E-06	5.53E-04	3.96E-05	5.14E-10	3.38E-07	2.32E-07	4.02E-05	5.04E-05	4.76E-04	2.53E-05	8.49E-06	5.60E-04
5341	484363.09	3866377.25	0.01079	0.01631	0.003	0.00272	4.36E-05	4.87E-04	1.93E-05	8.59E-06	5.58E-04	3.97E-05	5.26E-10	2.57E-07	2.34E-07	4.02E-05	5.05E-05	4.87E-04	1.93E-05	8.59E-06	5.65E-04
5342	484863.09	3866377.25	0.01055	0.01664	0.0028	0.00266	4.26E-05	4.96E-04	1.75E-05	8.40E-06	5.65E-04	3.88E-05	5.36E-10	2.34E-07	2.29E-07	3.93E-05	4.93E-05	4.96E-04	1.75E-05	8.40E-06	5.72E-04
5343	485363.09	3866377.25	0.01013	0.01636	0.003	0.00242	4.09E-05	4.88E-04	1.89E-05	7.64E-06	5.56E-04	3.72E-05	5.27E-10	2.52E-07	2.08E-07	3.77E-05	4.74E-05	4.88E-04	1.89E-05	7.64E-06	5.62E-04
5344	485863.09	3866377.25	0.00976	0.01624	0.0027	0.00235	3.95E-05	4.84E-04	1.73E-05	7.42E-06	5.49E-04	3.59E-05	5.23E-10	2.30E-07	2.02E-07	3.63E-05	4.56E-05	4.84E-04	1.73E-05	7.42E-06	5.55E-04
5345	486363.09	3866377.25	0.00939	0.01676	0.0028	0.00243	3.80E-05	5.00E-04	1.77E-05	7.67E-06	5.63E-04	3.45E-05	5.40E-10	2.36E-07	2.09E-07	3.50E-05	4.39E-05	5.00E-04	1.77E-05	7.67E-06	5.69E-04
5346	486863.09	3866377.25	0.00912	0.01662	0.0035	0.00244	3.69E-05	4.96E-04	2.21E-05	7.70E-06	5.62E-04	3.35E-05	5.36E-10	2.94E-07	2.10E-07	3.40E-05	4.27E-05	4.96E-04	2.21E-05	7.70E-06	5.68E-04
5347	487363.09	3866377.25	0.00936	0.01632	0.0042	0.00257	3.78E-05	4.87E-04	2.65E-05	8.11E-06	5.59E-04	3.44E-05	5.26E-10	3.54E-07	2.21E-07	3.50E-05	4.38E-05	4.87E-04	2.65E-05	8.11E-06	5.65E-04
5348	487863.09	3866377.25	0.00997	0.016	0.0045	0.00257	4.03E-05	4.77E-04	2.84E-05	8.11E-06	5.54E-04	3.67E-05	5.16E-10	3.78E-07	2.21E-07	3.73E-05	4.66E-05	4.77E-04	2.84E-05	8.11E-06	5.60E-04
5349	488363.09	3866377.25	0.01044	0.01568	0.0042	0.00253	4.22E-05	4.68E-04	2.65E-05	7.99E-06	5.45E-04	3.84E-05	5.05E-10	3.54E-07	2.18E-07	3.90E-05	4.88E-05	4.68E-04	2.65E-05	7.99E-06	5.51E-04
5350	488863.09	3866377.25	0.01079	0.01522	0.0033	0.00234	4.36E-05	4.54E-04	2.10E-05	7.39E-06	5.26E-04	3.97E-05	4.91E-10	2.80E-07	2.01E-07	4.02E-05	5.05E-05	4.54E-04	2.10E-05	7.39E-06	5.33E-04
5351	489363.09	3866377.25	0.01072	0.01531	0.0026	0.0022	4.33E-05	4.57E-04	1.66E-05	6.95E-06	5.24E-04	3.94E-05	4.93E-10	2.21E-07	1.89E-07	3.98E-05	5.01E-05	4.57E-04	1.66E-05	6.95E-06	5.30E-04
5352	489863.09	3866377.25	0.01036	0.01477	0.0029	0.00234	4.19E-05	4.41E-04	1.87E-05	7.39E-06	5.09E-04	3.81E-05	4.76E-10	2.49E-07	2.01E-07	3.85E-05	4.84E-05	4.41E-04	1.87E-05	7.39E-06	5.15E-04
5353	490363.09	3866377.25	0.0099	0.01621	0.003	0.00225	4.00E-05	4.84E-04	1.89E-05	7.10E-06	5.50E-04	3.64E-05	5.22E-10	2.52E-07	1.94E-07	3.68E-05	4.63E-05	4.84E-04	1.89E-05	7.10E-06	5.56E-04
5354	490863.09	3866377.25	0.00982	0.01607	0.0024	0.00228	3.97E-05	4.79E-04	1.52E-05	7.20E-06	5.41E-04	3.61E-05	5.18E-10	2.02E-07	1.96E-07	3.65E-05	4.59E-05	4.79E-04	1.52E-05	7.20E-06	5.48E-04
5355	491363.09	3866377.25	0.01032	0.01602	0.0021	0.00235	4.17E-05	4.78E-04	1.33E-05	7.42E-06	5.40E-04	3.79E-05	5.16E-10	1.78E-07	2.02E-07	3.83E-05	4.83E-05	4.78E-04	1.33E-05	7.42E-06	5.47E-04
5356	491863.09	3866377.25	0.01108	0.01284	0.0021	0.00258	4.48E-05	3.83E-04	1.36E-05	8.15E-06	4.50E-04	4.07E-05	4.14E-10	1.81E-07	2.22E-07	4.11E-05	5.18E-05	3.83E-04	1.36E-05	8.15E-06	4.57E-04
5357	492363.09	3866377.25	0.01112	0.01318	0.0024	0.0028	4.49E-05	3.93E-04	1.52E-05	8.84E-06	4.62E-04	4.09E-05	4.25E-10	2.03E-07	2.41E-07	4.13E-05	5.20E-05	3.93E-04	1.52E-05	8.84E-06	4.69E-04
5358	492863.09	3866377.25	0.00993	0.01094	0.0028	0.00309	4.01E-05	3.26E-04	1.81E-05	9.76E-06	3.94E-04	3.65E-05	3.53E-10	2.42E-07	2.66E-07	3.70E-05	4.64E-05	3.26E-04	1.81E-05	9.76E-06	4.01E-04
5359	493363.09	3866377.25	0.01008	0.0117	0.0035	0.00308	4.07E-05	3.49E-04	2.26E-05	9.72E-06	4.22E-04	3.71E-05	3.77E-10	3.01E-07	2.65E-07	3.76E-05	4.71E-05	3.49E-04	2.26E-05	9.72E-06	4.28E-04
5360	493863.09	3866377.25	0.01103	0.01315	0.0041	0.00291	4.46E-05	3.92E-04	2.63E-05	9.19E-06	4.72E-04	4.06E-05	4.24E-10	3.50E-07	2.51E-07	4.12E-05	5.16E-05	3.92E-04	2.63E-05	9.19E-06	4.79E-04
5361	494363.09	3866377.25	0.01143	0.01569	0.0043	0.00267	4.62E-05	4.68E-04	2.72E-05	8.43E-06	5.50E-04	4.20E-05	5.06E-10	3.62E-07	2.30E-07	4.26E-05	5.35E-05	4.68E-04	2.72E-05	8.43E-06	5.57E-04
5362	494863.09	3866377.25	0.011	0.01614	0.0045	0.0027	4.45E-05	4.82E-04	2.88E-05	8.52E-06	5.63E-04	4.04E-05	5.20E-10	3.84E-07	2.32E-07	4.11E-05	5.14E-05	4.82E-04	2.88E-05	8.52E-06	5.70E-04
5363	495363.09	3866377.25	0.01032	0.01564	0.0045	0.00279	4.17E-05	4.67E-04	2.86E-05	8.81E-06	5.46E-04	3.79E-05	5.04E-10	3.82E-07	2.40E-07	3.86E-05	4.83E-05	4.67E-04	2.86E-05	8.81E-06	5.52E-04
5364	495863.09	3866377.25	0.01088	0.01476	0.004	0.00276	4.40E-05	4.40E-04	2.55E-05	8.71E-06	5.19E-04	4.00E-05	4.76E-10	3.40E-07	2.38E-07	4.06E-05	5.09E-05	4.40E-04	2.55E-05	8.71E-06	5.25E-04

5365	496363.09	3866377.25	0.012	0.01406	0.0039	0.00257	4.85E-05	4.19E-04	2.46E-05	8.11E-06	5.01E-04	4.41E-05	4.53E-10	3.28E-07	2.21E-07	4.47E-05	5.61E-05	4.19E-04	2.46E-05	8.11E-06	5.08E-04
5366	496863.09	3866377.25	0.01215	0.01322	0.0043	0.00241	4.91E-05	3.94E-04	2.76E-05	7.61E-06	4.79E-04	4.47E-05	4.26E-10	3.68E-07	2.08E-07	4.52E-05	5.68E-05	3.94E-04	2.76E-05	7.61E-06	4.86E-04
5367	497363.09	3866377.25	0.01195	0.01347	0.0048	0.00246	4.83E-05	4.02E-04	3.04E-05	7.77E-06	4.88E-04	4.39E-05	4.34E-10	4.05E-07	2.12E-07	4.46E-05	5.59E-05	4.02E-04	3.04E-05	7.77E-06	4.96E-04
5368	497863.09	3866377.25	0.01149	0.01429	0.0045	0.00252	4.64E-05	4.26E-04	2.85E-05	7.96E-06	5.09E-04	4.22E-05	4.61E-10	3.80E-07	2.17E-07	4.28E-05	5.37E-05	4.26E-04	2.85E-05	7.96E-06	5.17E-04
5369	498363.09	3866377.25	0.01041	0.01259	0.004	0.00264	4.21E-05	3.76E-04	2.53E-05	8.34E-06	4.51E-04	3.83E-05	4.06E-10	3.37E-07	2.27E-07	3.88E-05	4.87E-05	3.76E-04	2.53E-05	8.34E-06	4.58E-04
5370	474494.92	3848334.16	0.00708	0.00398	0.0016	0.00231	2.86E-05	1.19E-04	1.05E-05	7.29E-06	1.65E-04	2.60E-05	1.28E-10	1.39E-07	1.99E-07	2.64E-05	3.31E-05	1.19E-04	1.05E-05	7.29E-06	1.70E-04
5371	475167.27	3848920.79	0.00806	0.00444	0.0017	0.00247	3.26E-05	1.32E-04	1.10E-05	7.80E-06	1.84E-04	2.96E-05	1.43E-10	1.47E-07	2.13E-07	3.00E-05	3.77E-05	1.32E-04	1.10E-05	7.80E-06	1.89E-04
5372	475297.89	3848997.96	0.00821	0.00451	0.0017	0.00249	3.32E-05	1.35E-04	1.11E-05	7.86E-06	1.87E-04	3.02E-05	1.45E-10	1.48E-07	2.14E-07	3.05E-05	3.84E-05	1.35E-04	1.11E-05	7.86E-06	1.92E-04
5373	475439.05	3849062	0.00821	0.00442	0.0018	0.0025	3.32E-05	1.32E-04	1.12E-05	7.89E-06	1.84E-04	3.02E-05	1.42E-10	1.50E-07	2.15E-07	3.05E-05	3.84E-05	1.32E-04	1.12E-05	7.89E-06	1.89E-04
5374	475486.86	3849061.09	0.00817	0.00438	0.0018	0.0025	3.30E-05	1.31E-04	1.12E-05	7.89E-06	1.83E-04	3.00E-05	1.41E-10	1.50E-07	2.15E-07	3.04E-05	3.82E-05	1.31E-04	1.12E-05	7.89E-06	1.88E-04
5375	475538.46	3849075.56	0.00822	0.00443	0.0018	0.0025	3.32E-05	1.32E-04	1.12E-05	7.89E-06	1.85E-04	3.02E-05	1.43E-10	1.50E-07	2.15E-07	3.06E-05	3.84E-05	1.32E-04	1.12E-05	7.89E-06	1.90E-04
5376	475751.79	3849137.15	0.00849	0.00482	0.0018	0.00252	3.43E-05	1.44E-04	1.14E-05	7.96E-06	1.97E-04	3.12E-05	1.55E-10	1.52E-07	2.17E-07	3.16E-05	3.97E-05	1.44E-04	1.14E-05	7.96E-06	2.03E-04
5377	476303.62	3849223.38	0.00877	0.00589	0.0019	0.00252	3.55E-05	1.76E-04	1.18E-05	7.96E-06	2.31E-04	3.22E-05	1.90E-10	1.57E-07	2.17E-07	3.26E-05	4.10E-05	1.76E-04	1.18E-05	7.96E-06	2.36E-04
5378	476304.51	3849238.92	0.00881	0.00588	0.0019	0.00252	3.56E-05	1.75E-04	1.18E-05	7.96E-06	2.31E-04	3.24E-05	1.90E-10	1.57E-07	2.17E-07	3.28E-05	4.12E-05	1.75E-04	1.18E-05	7.96E-06	2.36E-04
5379	476365.04	3849247.98	0.00883	0.00603	0.0019	0.00252	3.57E-05	1.80E-04	1.19E-05	7.96E-06	2.35E-04	3.25E-05	1.94E-10	1.58E-07	2.17E-07	3.28E-05	4.13E-05	1.80E-04	1.19E-05	7.96E-06	2.41E-04
5380	476444.86	3849267.13	0.00885	0.00612	0.0019	0.00252	3.58E-05	1.83E-04	1.19E-05	7.96E-06	2.38E-04	3.25E-05	1.97E-10	1.59E-07	2.17E-07	3.29E-05	4.14E-05	1.83E-04	1.19E-05	7.96E-06	2.44E-04
5381	476550.75	3849300.66	0.00894	0.00645	0.0019	0.00253	3.61E-05	1.92E-04	1.20E-05	7.99E-06	2.49E-04	3.29E-05	2.08E-10	1.60E-07	2.18E-07	3.32E-05	4.18E-05	1.92E-04	1.20E-05	7.99E-06	2.54E-04
5382	476656.71	3849346.88	0.00904	0.00671	0.0019	0.00254	3.65E-05	2.00E-04	1.21E-05	8.02E-06	2.57E-04	3.32E-05	2.16E-10	1.61E-07	2.19E-07	3.36E-05	4.23E-05	2.00E-04	1.21E-05	8.02E-06	2.63E-04
5383	476873.55	3849454.53	0.00928	0.00729	0.0019	0.00257	3.75E-05	2.17E-04	1.22E-05	8.11E-06	2.75E-04	3.41E-05	2.35E-10	1.63E-07	2.21E-07	3.45E-05	4.34E-05	2.17E-04	1.22E-05	8.11E-06	2.81E-04
5384	477700	3849859.7	0.01015	0.00938	0.002	0.00269	4.10E-05	2.80E-04	1.30E-05	8.49E-06	3.42E-04	3.73E-05	3.02E-10	1.73E-07	2.32E-07	3.77E-05	4.75E-05	2.80E-04	1.30E-05	8.49E-06	3.49E-04
5385	477743.16	3849856.38	0.01007	0.0093	0.0021	0.00269	4.07E-05	2.77E-04	1.31E-05	8.49E-06	3.40E-04	3.70E-05	3.00E-10	1.74E-07	2.32E-07	3.74E-05	4.71E-05	2.77E-04	1.31E-05	8.49E-06	3.46E-04
5386	478477.35	3850216.33	0.01069	0.00975	0.0021	0.00288	4.32E-05	2.91E-04	1.37E-05	9.09E-06	3.57E-04	3.93E-05	3.14E-10	1.82E-07	2.48E-07	3.97E-05	5.00E-05	2.91E-04	1.37E-05	9.09E-06	3.64E-04
5387	478485.8	3850201.6	0.01062	0.00971	0.0021	0.00288	4.29E-05	2.90E-04	1.37E-05	9.09E-06	3.55E-04	3.90E-05	3.13E-10	1.82E-07	2.48E-07	3.95E-05	4.97E-05	2.90E-04	1.37E-05	9.09E-06	3.62E-04
5388	479113.21	3850501.53	0.01215	0.0107	0.0022	0.00305	4.91E-05	3.19E-04	1.42E-05	9.63E-06	3.92E-04	4.47E-05	3.45E-10	1.89E-07	2.63E-07	4.51E-05	5.68E-05	3.19E-04	1.42E-05	9.63E-06	4.00E-04
5389	479108.11	3850382.28	0.01208	0.01023	0.0022	0.00302	4.88E-05	3.05E-04	1.40E-05	9.54E-06	3.78E-04	4.44E-05	3.30E-10	1.86E-07	2.60E-07	4.49E-05	5.65E-05	3.05E-04	1.40E-05	9.54E-06	3.85E-04
5390	479689.85	3850674.28	0.01427	0.01012	0.0023	0.00322	5.77E-05	3.02E-04	1.44E-05	1.02E-05	3.84E-04	5.25E-05	3.26E-10	1.91E-07	2.77E-07	5.29E-05	6.67E-05	3.02E-04	1.44E-05	1.02E-05	3.93E-04
5391	479952.42	3850774.28	0.01631	0.01017	0.0023	0.00329	6.59E-05	3.03E-04	1.45E-05	1.04E-05	3.94E-04	6.00E-05	3.28E-10	1.93E-07	2.83E-07	6.04E-05	7.63E-05	3.03E-04	1.45E-05	1.04E-05	4.05E-04
5392	479911.32	3850884.85	0.01554	0.01087	0.0023	0.00332	6.28E-05	3.24E-04	1.47E-05	1.05E-05	4.12E-04	5.71E-05	3.50E-10	1.96E-07	2.86E-07	5.76E-05	7.27E-05	3.24E-04	1.47E-05	1.05E-05	4.22E-04
5393	480500.92	3851178.12	0.02012	0.01188	0.0024	0.00352	8.13E-05	3.54E-04	1.52E-05	1.11E-05	4.62E-04	7.40E-05	3.83E-10	2.03E-07	3.03E-07	7.45E-05	9.41E-05	3.54E-04	1.52E-05	1.11E-05	4.75E-04
5394	480738.01	3851289.27	0.0224	0.01227	0.0024	0.00364	9.05E-05	3.66E-04	1.54E-05	1.15E-05	4.84E-04	8.24E-05	3.95E-10	2.06E-07	3.13E-07	8.29E-05	1.05E-04	3.66E-04	1.54E-05	1.15E-05	4.98E-04
5395	481055.42	3851443.58	0.02548	0.0126	0.0025	0.00382	1.03E-04	3.76E-04	1.58E-05	1.21E-05	5.07E-04	9.37E-05	4.06E-10	2.10E-07	3.29E-07	9.42E-05	1.19E-04	3.76E-04	1.58E-05	1.21E-05	5.23E-04
5396	481110.22	3851443.15	0.026	0.01242	0.0025	0.00384	1.05E-04	3.71E-04	1.58E-05	1.21E-05	5.04E-04	9.56E-05	4.00E-10	2.10E-07	3.31E-07	9.61E-05	1.22E-04	3.71E-04	1.58E-05	1.21E-05	5.20E-04
5397	481111.1	3851417.45	0.026	0.01223	0.0025	0.00383	1.05E-04	3.65E-04	1.57E-05	1.21E-05	4.98E-04	9.56E-05	3.94E-10	2.09E-07	3.30E-07	9.61E-05	1.22E-04	3.65E-04	1.57E-05	1.21E-05	5.14E-04
5398	482248.44	3852605.09	0.04054	0.01756	0.003	0.0054	1.64E-04	5.24E-04	1.89E-05	1.70E-05	7.24E-04	1.49E-04	5.66E-10	2.53E-07	4.65E-07	1.50E-04	1.90E-04	5.24E-04	1.89E-05	1.70E-05	7.49E-04
5399	482273.34	3852632.31	0.04104	0.01773	0.003	0.00547	1.66E-04	5.29E-04	1.90E-05	1.73E-05	7.31E-04	1.51E-04	5.71E-10	2.53E-07	4.71E-07	1.52E-04	1.92E-04	5.29E-04	1.90E-05	1.73E-05	7.57E-04
5400	482665.46	3853038.72	0.05012	0.02103	0.0032	0.00658	2.03E-04	6.27E-04	2.04E-05	2.08E-05	8.71E-04	1.84E-04	6.78E-10	2.72E-07	5.67E-07	1.85E-04	2.34E-04	6.27E-04	2.04E-05	2.08E-05	9.03E-04
5401	483077.95	3853844.31	0.06524	0.02799	0.0037	0.00987	2.64E-04	8.35E-04	2.35E-05	3.12E-05	1.15E-03	2.40E-04	9.02E-10	3.14E-07	8.50E-07	2.41E-04	3.05E-04	8.35E-04	2.35E-05	3.12E-05	1.19E-03
5402	483121.38	3853909.38	0.06847	0.02809	0.0037	0.01033	2.77E-04	8.38E-04	2.38E-05	3.26E-05	1.17E-03	2.52E-04	9.05E-10	3.17E-07	8.90E-07	2.53E-04	3.20E-04	8.38E-04	2.38E-05	3.26E-05	1.21E-03
5403	483492.64	3853911.49	0.09246	0.02426	0.0037	0.01067	3.74E-04	7.24E-04	2.39E-05	3.37E-05	1.16E-03	3.40E-04	7.82E-10	3.18E-07	9.19E-07	3.41E-04	4.32E-04	7.24E-04	2.39E-05	3.37E-05	1.21E-03
5404	483498.29	3854204.73	0.09748	0.02867	0.004	0.01461	3.94E-04	8.55E-04	2.53E-05	4.61E-05	1.32E-03	3.58E-04	9.24E-10	3.38E-07	1.26E-06	3.60E-04	4.56E-04	8.55E-04	2.53E-05	4.61E-05	1.38E-03
5405	484132.44	3854662.55	0.1527	0.03946	0.0044	0.04783	6.17E-04	1.18E-03	2.83E-05	1.51E-04	1.97E-03	5.61E-04	1.27E-09	3.78E-07	4.12E-06	5.66E-04	7.14E-04	1.18E-03	2.83E-05	1.51E-04	2.07E-03
5406	484627.62	3854876.13	0.28167	0.06404	0.0048	0.03715	1.14E-03	1.91E-03	3.04E-05	1.17E-04	3.20E-03	1.04E-03	2.06E-09	4.06E-07	3.20E-06	1.04E-03	1.32E-03	1.91E-03	3.04E-05	1.17E-04	3.38E-03
5407	484756.14	3854949.04	0.37539	0.07308	0.0049	0.03386	1.52E-03	2.18E-03	3.13E-05	1.07E-04	3.84E-03	1.38E-03	2.36E-09	4.17E-07	2.92E-06	1.38E-03	1.76E-03	2.18E-03	3.13E-05	1.07E-04	4.07E-03
5408	486697.51	3856599.17	4.9428	0.25236	0.0114	0.05483	2.00E-02	7.53E-03	7.26E-05	1.73E-04	2.78E-02	1.82E-02	8.13E-09	9.68E-07	4.72E-06	1.82E-02	2.31E-02	7.53E-03	7.26E-05	1.73E-04	3.09E-02
5409	487105.31	3856962.27	5.27429	0.29041	0.0165	0.03355	2.13E-02	8.66E-03	1.06E-04	1.06E-04	3.02E-02	1.94E-02	9.36E-09	1.41E-06	2.89E-06	1.94E-02	2.47E-02	8.66E-03	1.06E-04	1.06E-04	3.35E-02
5410	487157.57	3856901.7	4.03086	0.2779	0.0165	0.03461	1.63E-02	8.29E-03	1.05E-04	1.09E-04	2.48E-02	1.48E-02	8.96E-09	1.40E-06	2.98E-06	1.48E-02	1.89E-02	8.29E-03	1.05E-04	1.09E-04	2.74E-02
5411	487173.5	3856853.74	3.5877	0.27	0.0162	0.03572	1.45E-02	8.06E-03	1.03E-04	1.13E-04	2.28E-02	1.32E-02	8.70E-09	1.38E-06	3.08E-06	1.32E-02	1.68E-02	8.06E-03	1.03E-04	1.13E-04	2.50E-02
5412	487564.41	3856860.83	2.08474	0.24635	0.0228	0.03233	8.43E-03	7.35E-03	1.46E-04	1.02E-04	1.60E-02	7.66E-03	7.94E-09	1.94E-06	2.78E-06	7.67E-03	9.75E-03	7.35E-03	1.46E-04	1.02E-04	1.73E-02
5413	487563.31	3856931.58	2.09541	0.25514	0.0238	0.03104	8.47E-03	7.61E-03	1.52E-04	9.80E-05	1.63E-02	7.70E-03	8.22E-09	2.03E-06	2.67E-06	7.71E-03	9.80E-03	7.61E-03	1.52E-04	9.80E-05	1.77E-02
5414	487782.7	3856926.85	1.61088	0.24313	0.0295	0.03004	6.51E-03	7.25E-03	1.88E-04	9.48E-05	1.40E-02	5.92E-03	7.84E-09	2.51E-06	2.59E-06	5.93E-03	7.53E-03	7.25E-03	1.88E-04	9.48E-05	1.51E-02
5415	487782.39	3856757.07	1.61797	0.22422	0.0258	0.03255	6.54E-03	6.69E-03	1.64E-04	1.03E-04	1.35E-02	5.95E-03	7.23E-09	2.19E-06	2.80E-06	5.95E-03	7.57E-03	6.69E-03	1.64E-04	1.03E-04	1.45E-02
5416	487917.26	3856752.41	1.43829	0.21974	0.0243	0.03161	5.81E-03	6.56E-03	1.55E-04	9.98E-05	1.26E-02	5.29E-03	7.08E-09	2.07E-06	2.72E-06	5.29E-03	6.73E-03	6.56E-03	1.55E-04	9.98E-05	1.35E-02
5417	487919.57	3856953.35	1.37823	0.24017	0.0303	0.02919	5.57E-03	7.17E-03	1.93E-04	9.22E-05	1.30E-02	5.07E-03	7.74E-09	2.57E-06	2.51E-06	5.07E-03	6.45E-03	7.17E-03	1.93E-04	9.22E-05	1.39E-02
5418	487932.76	3857000.32	1.31509	0.24258	0.0319	0.02875	5.32E-03	7.24E-03	2.03E-04	9.08E-05	1.28E-02	4.83E-03	7.82E-09	2.71E-06	2.48E-06	4.84E-03	6.15E-03	7.24E-03	2.03E-04	9.08E-05	1.37E-02
5419	487960.5	3857044.75	1.22736	0.24457	0.0332	0.02835	4.96E-03	7.30E-03	2.12E-04	8.95E-05	1.26E-02	4.51E-03	7.88E-09	2.82E-06	2.44E-06	4.52E-03	5.74E-03	7.30E-03	2.12E-04	8.95E-05	1.33E-02
5420	488016.54	3857089.54	1.10991	0.24511	0.0339	0.02796	4.49E-03	7.31E-03	2.16E-04	8.83E-05	1.21E-02	4.08E-03	7.90E-09	2.88E-06	2.41E-06	4.09E-03	5.19E-03	7.31E-03	2.16E-04	8.83E-05	1.28E-02
5421	488114.39	3857165.47	0.93078	0.24731	0.0362	0.02746	3.76E-03	7.38E-03	2.31E-04	8.67E-05	1.15E-02	3.42E-03	7.97E-09	3.07E-06	2.36E-06	3.43E-03	4.35E-03	7.38E-03	2.31E-04	8.67E-05	1.20E-02
5422	488171.49	3857234.24	0.81068	0.25223	0.0409	0.02747	3.28E-03	7.52E-03	2.61E-04	8.67E-05	1.11E-02	2.98E-03	8.13E-09	3.48E-06	2.37E-06	2.99E-03	3.79E-03	7.52E-03	2.61E-04	8.67E-05	1.17E-02
5423	488193.16	3857297.8	0.72366	0.25954	0.0465	0.0279	2.93E-03	7.74E-03	2.97E-04	8.81E-05	1.11E-02	2.66E-03	8.37E-09	3.96E-06	2.40E-06	2.67E-03	3.38E-03	7.74E-03	2.97E-04	8.81E-05	1.15E-02
5424	488189.27	3857649.94	0.39041	0.31186	0.1216	0.03539	1.58E-03	9.30E-03	7.76E-04	1.12E-04	1.18E-02	1.44E-03	1.01E-08	1.03E-05	3.05E-06	1.45E-03	1.83E-03	9.30E-03	7.76E-04	1.12E-04	1.20E-02
5425	488127.43	3857732.32	0.33923	0.32907	0.1622	0.03855	1.37E-03	9.82E-03	1.03E-03	1.22E-04	1.23E-02	1.25E-03	1.06E-08	1.38E-05	3.32E-06	1.26E-03	1.59E-03	9.82E-03	1.03E-03	1.22E-04	1.26E-02

5426	488149.93	3857752.94	0.32791	0.33133	0.1804	0.03937	1.33E-03	9.88E-03	1.15E-03	1.24E-04	1.25E-02	1.21E-03	1.07E-08	1.53E-05	3.39E-06	1.22E-03	1.53E-03	9.88E-03	1.15E-03	1.24E-04	1.27E-02
5427	488144.76	3857758.71	0.32483	0.33247	0.184	0.03963	1.31E-03	9.92E-03	1.17E-03	1.25E-04	1.25E-02	1.19E-03	1.07E-08	1.56E-05	3.41E-06	1.21E-03	1.52E-03	9.92E-03	1.17E-03	1.25E-04	1.27E-02
5428	488335.58	3857932.55	0.24719	0.36953	4.0794	0.04807	9.99E-04	1.10E-02	2.60E-02	1.52E-04	3.82E-02	9.09E-04	1.19E-08	3.47E-04	4.14E-06	1.26E-03	1.16E-03	1.10E-02	2.60E-02	1.52E-04	3.84E-02
5429	488372.29	3857943.79	0.24343	0.37039	3.9927	0.04854	9.84E-04	1.10E-02	2.55E-02	1.53E-04	3.77E-02	8.95E-04	1.19E-08	3.40E-04	4.18E-06	1.24E-03	1.14E-03	1.10E-02	2.55E-02	1.53E-04	3.78E-02
5430	488828.64	3857936.4	0.25027	0.33275	1.2342	0.04499	1.01E-03	9.93E-03	7.87E-03	1.42E-04	1.90E-02	9.20E-04	1.07E-08	1.05E-04	3.87E-06	1.03E-03	1.17E-03	9.93E-03	7.87E-03	1.42E-04	1.91E-02
5431	488829.08	3857959.58	0.24341	0.33762	1.193	0.04592	9.84E-04	1.01E-02	7.61E-03	1.45E-04	1.88E-02	8.95E-04	1.09E-08	1.01E-04	3.95E-06	1.00E-03	1.14E-03	1.01E-02	7.61E-03	1.45E-04	1.90E-02
5432	488351.61	3857964.55	0.23627	0.37816	4.375	0.05005	9.55E-04	1.13E-02	2.79E-02	1.58E-04	4.03E-02	8.69E-04	1.22E-08	3.72E-04	4.31E-06	1.25E-03	1.10E-03	1.13E-02	2.79E-02	1.58E-04	4.05E-02
5433	488316.87	3857947.65	0.24187	0.3753	4.505	0.04918	9.78E-04	1.12E-02	2.87E-02	1.55E-04	4.11E-02	8.89E-04	1.21E-08	3.83E-04	4.23E-06	1.28E-03	1.13E-03	1.12E-02	2.87E-02	1.55E-04	4.12E-02
5434	488129.1	3857775.77	0.31572	0.3365	0.1951	0.04044	1.28E-03	1.00E-02	1.24E-03	1.28E-04	1.27E-02	1.16E-03	1.08E-08	1.66E-05	3.48E-06	1.18E-03	1.48E-03	1.00E-02	1.24E-03	1.28E-04	1.29E-02
5435	488062.53	3857846.13	0.28236	0.35825	0.2526	0.0443	1.14E-03	1.07E-02	1.61E-03	1.40E-04	1.36E-02	1.04E-03	1.15E-08	2.15E-05	3.81E-06	1.06E-03	1.32E-03	1.07E-02	1.61E-03	1.40E-04	1.38E-02
5436	488330.41	3858091.34	0.20375	0.41807	1.8173	0.05967	8.24E-04	1.25E-02	1.16E-02	1.88E-04	2.51E-02	7.49E-04	1.35E-08	1.55E-04	5.14E-06	9.09E-04	9.53E-04	1.25E-02	1.16E-02	1.88E-04	2.52E-02
5437	488470.87	3858174.45	0.18429	0.43528	0.733	0.06321	7.45E-04	1.30E-02	4.68E-03	2.00E-04	1.86E-02	6.78E-04	1.40E-08	6.23E-05	5.44E-06	7.45E-04	8.62E-04	1.30E-02	4.68E-03	2.00E-04	1.87E-02
5438	488568.9	3858262.31	0.16653	0.46305	0.3564	0.0662	6.73E-04	1.38E-02	2.27E-03	2.09E-04	1.70E-02	6.12E-04	1.49E-08	3.03E-05	5.70E-06	6.48E-04	7.79E-04	1.38E-02	2.27E-03	2.09E-04	1.71E-02
5439	488964.27	3858025.71	0.22544	0.34189	0.7921	0.04687	9.11E-04	1.02E-02	5.05E-03	1.48E-04	1.63E-02	8.29E-04	1.10E-08	6.74E-05	4.04E-06	9.00E-04	1.05E-03	1.02E-02	5.05E-03	1.48E-04	1.65E-02
5440	489147.25	3857956.64	0.24362	0.31129	0.6926	0.04283	9.85E-04	9.29E-03	4.42E-03	1.35E-04	1.48E-02	8.96E-04	1.00E-08	5.89E-05	3.69E-06	9.58E-04	1.14E-03	9.29E-03	4.42E-03	1.35E-04	1.50E-02
5441	489343.52	3857932.45	0.24699	0.29081	0.5523	0.04046	9.98E-04	8.68E-03	3.52E-03	1.28E-04	1.33E-02	9.08E-04	9.37E-09	4.70E-05	3.48E-06	9.59E-04	1.16E-03	8.68E-03	3.52E-03	1.28E-04	1.35E-02
5442	489866.19	3857923.19	0.23403	0.25676	0.3404	0.03769	9.46E-04	7.66E-03	2.17E-03	1.19E-04	1.09E-02	8.60E-04	8.28E-09	2.89E-05	3.25E-06	8.93E-04	1.09E-03	7.66E-03	2.17E-03	1.19E-04	1.10E-02
5443	489955.65	3857902.27	0.23515	0.24755	0.3247	0.03711	9.51E-04	7.39E-03	2.07E-03	1.17E-04	1.05E-02	8.65E-04	7.98E-09	2.76E-05	3.20E-06	8.95E-04	1.10E-03	7.39E-03	2.07E-03	1.17E-04	1.07E-02
5444	490079.44	3857847.9	0.23968	0.23767	0.3097	0.03591	9.69E-04	7.09E-03	1.98E-03	1.13E-04	1.01E-02	8.81E-04	7.66E-09	2.63E-05	3.09E-06	9.11E-04	1.12E-03	7.09E-03	1.98E-03	1.13E-04	1.03E-02
5445	490108.49	3857934.13	0.22361	0.24676	0.285	0.03747	9.04E-04	7.36E-03	1.82E-03	1.18E-04	1.02E-02	8.22E-04	7.95E-09	2.42E-05	3.23E-06	8.50E-04	1.05E-03	7.36E-03	1.82E-03	1.18E-04	1.03E-02
5446	489884.48	3858014.17	0.21705	0.27004	0.3015	0.03957	8.77E-04	8.06E-03	1.92E-03	1.25E-04	1.10E-02	7.98E-04	8.70E-09	2.56E-05	3.41E-06	8.27E-04	1.02E-03	8.06E-03	1.92E-03	1.25E-04	1.11E-02
5447	489326.56	3858025.86	0.22563	0.30981	0.4846	0.04282	9.12E-04	9.24E-03	3.09E-03	1.35E-04	1.34E-02	8.30E-04	9.99E-09	4.12E-05	3.69E-06	8.74E-04	1.06E-03	9.24E-03	3.09E-03	1.35E-04	1.35E-02
5448	489130.38	3858056.71	0.2197	0.33134	0.5681	0.04578	8.88E-04	9.88E-03	3.62E-03	1.45E-04	1.45E-02	8.08E-04	1.07E-08	4.83E-05	3.94E-06	8.60E-04	1.03E-03	9.88E-03	3.62E-03	1.45E-04	1.47E-02
5449	488936.49	3858143.93	0.19536	0.37314	0.5307	0.05141	7.90E-04	1.11E-02	3.38E-03	1.62E-04	1.55E-02	7.18E-04	1.20E-08	4.51E-05	4.43E-06	7.68E-04	9.14E-04	1.11E-02	3.38E-03	1.62E-04	1.56E-02
5450	488638.08	3858327.45	0.15675	0.4764	0.2352	0.06772	6.34E-04	1.42E-02	1.50E-03	2.14E-04	1.66E-02	5.76E-04	1.54E-08	2.00E-05	5.83E-06	6.02E-04	7.33E-04	1.42E-02	1.50E-03	2.14E-04	1.67E-02
5451	488663.79	3858349.57	0.15378	0.47971	0.2082	0.06806	6.22E-04	1.43E-02	1.33E-03	2.15E-04	1.65E-02	5.65E-04	1.55E-08	1.77E-05	5.86E-06	5.89E-04	7.19E-04	1.43E-02	1.33E-03	2.15E-04	1.66E-02
5452	488694.56	3858349.5	0.1535	0.47365	0.2145	0.06692	6.20E-04	1.41E-02	1.37E-03	2.11E-04	1.63E-02	5.64E-04	1.53E-08	1.82E-05	5.76E-06	5.88E-04	7.18E-04	1.41E-02	1.37E-03	2.11E-04	1.64E-02
5453	488694.35	3858336.75	0.15514	0.46885	0.2323	0.0662	6.27E-04	1.40E-02	1.48E-03	2.09E-04	1.63E-02	5.70E-04	1.51E-08	1.98E-05	5.70E-06	5.96E-04	7.26E-04	1.40E-02	1.48E-03	2.09E-04	1.64E-02
5454	488712.81	3858336.38	0.1551	0.46523	0.2354	0.06555	6.27E-04	1.39E-02	1.50E-03	2.07E-04	1.62E-02	5.70E-04	1.50E-08	2.00E-05	5.64E-06	5.96E-04	7.25E-04	1.39E-02	1.50E-03	2.07E-04	1.63E-02
5455	488713.23	3858367.46	0.15109	0.47714	0.1949	0.06728	6.11E-04	1.42E-02	1.24E-03	2.12E-04	1.63E-02	5.55E-04	1.54E-08	1.66E-05	5.79E-06	5.78E-04	7.07E-04	1.42E-02	1.24E-03	2.12E-04	1.64E-02
5456	488704.63	3858384.05	0.14916	0.48567	0.1743	0.06853	6.03E-04	1.45E-02	1.11E-03	2.16E-04	1.64E-02	5.48E-04	1.57E-08	1.48E-05	5.90E-06	5.69E-04	6.98E-04	1.45E-02	1.11E-03	2.16E-04	1.65E-02
5457	488604.15	3858488.29	0.14051	0.55632	0.0781	0.07863	5.68E-04	1.66E-02	4.98E-04	2.48E-04	1.79E-02	5.17E-04	1.79E-08	6.64E-06	6.77E-06	5.30E-04	6.57E-04	1.66E-02	4.98E-04	2.48E-04	1.80E-02
5458	488605.66	3858550.47	0.13487	0.59424	0.0579	0.08102	5.45E-04	1.77E-02	3.69E-04	2.56E-04	1.89E-02	4.96E-04	1.92E-08	4.93E-06	6.98E-06	5.08E-04	6.31E-04	1.77E-02	3.69E-04	2.56E-04	1.90E-02
5459	488692.68	3858548.71	0.13345	0.57462	0.0674	0.07678	5.39E-04	1.71E-02	4.30E-04	2.42E-04	1.84E-02	4.91E-04	1.85E-08	5.73E-06	6.61E-06	5.03E-04	6.24E-04	1.71E-02	4.30E-04	2.42E-04	1.84E-02
5460	488759.93	3858461.81	0.1402	0.50913	0.118	0.0705	5.67E-04	1.52E-02	7.53E-04	2.23E-04	1.67E-02	5.15E-04	1.64E-08	1.00E-05	6.07E-06	5.32E-04	6.56E-04	1.52E-02	7.53E-04	2.23E-04	1.68E-02
5461	488816.57	3858541.79	0.13197	0.54483	0.0841	0.07161	5.33E-04	1.63E-02	5.37E-04	2.26E-04	1.76E-02	4.85E-04	1.76E-08	7.15E-06	6.17E-06	4.99E-04	6.17E-04	1.63E-02	5.37E-04	2.26E-04	1.76E-02
5462	488944.63	3858656.77	0.12116	0.61806	0.0603	0.07257	4.90E-04	1.84E-02	3.85E-04	2.29E-04	1.95E-02	4.45E-04	1.99E-08	5.13E-06	6.25E-06	4.57E-04	5.67E-04	1.84E-02	3.85E-04	2.29E-04	1.96E-02
5463	489134.91	3858830.7	0.10754	0.7702	0.0415	0.08093	4.35E-04	2.30E-02	2.65E-04	2.56E-04	2.39E-02	3.95E-04	2.48E-08	3.53E-06	6.97E-06	4.06E-04	5.03E-04	2.30E-02	2.65E-04	2.56E-04	2.40E-02
5464	489193.99	3858886.05	0.10376	0.81124	0.0377	0.08557	4.19E-04	2.42E-02	2.41E-04	2.70E-04	2.51E-02	3.81E-04	2.61E-08	3.21E-06	7.37E-06	3.92E-04	4.85E-04	2.42E-02	2.41E-04	2.70E-04	2.52E-02
5465	489295.2	3858954.34	0.09893	0.82526	0.0345	0.09001	4.00E-04	2.46E-02	2.20E-04	2.84E-04	2.55E-02	3.64E-04	2.66E-08	2.94E-06	7.75E-06	3.74E-04	4.63E-04	2.46E-02	2.20E-04	2.84E-04	2.56E-02
5466	489295.64	3858992.74	0.09715	0.86226	0.0318	0.09408	3.93E-04	2.57E-02	2.03E-04	2.97E-04	2.66E-02	3.57E-04	2.78E-08	2.71E-06	8.10E-06	3.68E-04	4.54E-04	2.57E-02	2.03E-04	2.97E-04	2.67E-02
5467	489183.74	3858911.72	0.10266	0.85079	0.0352	0.0886	4.15E-04	2.54E-02	2.24E-04	2.80E-04	2.63E-02	3.77E-04	2.74E-08	2.99E-06	7.63E-06	3.88E-04	4.80E-04	2.54E-02	2.24E-04	2.80E-04	2.64E-02
5468	488873.37	3858625.59	0.12454	0.60147	0.0626	0.07286	5.03E-04	1.79E-02	3.99E-04	2.30E-04	1.91E-02	4.58E-04	1.94E-08	5.33E-06	6.27E-06	4.69E-04	5.82E-04	1.79E-02	3.99E-04	2.30E-04	1.92E-02
5469	488842.84	3858658.69	0.12258	0.64516	0.0529	0.0754	4.95E-04	1.92E-02	3.37E-04	2.38E-04	2.03E-02	4.51E-04	2.08E-08	4.50E-06	6.49E-06	4.62E-04	5.73E-04	1.92E-02	3.37E-04	2.38E-04	2.04E-02
5470	488856.39	3858670.93	0.12162	0.65528	0.0515	0.07562	4.92E-04	1.95E-02	3.28E-04	2.39E-04	2.06E-02	4.47E-04	2.11E-08	4.38E-06	6.51E-06	4.58E-04	5.69E-04	1.95E-02	3.28E-04	2.39E-04	2.07E-02
5471	488805.7	3858724.5	0.11877	0.74979	0.0402	0.08044	4.80E-04	2.24E-02	2.56E-04	2.54E-04	2.34E-02	4.37E-04	2.42E-08	3.42E-06	6.93E-06	4.47E-04	5.55E-04	2.24E-02	2.56E-04	2.54E-04	2.34E-02
5472	488805.87	3858804.16	0.11334	0.9189	0.032	0.08674	4.58E-04	2.74E-02	2.04E-04	2.74E-04	2.84E-02	4.17E-04	2.96E-08	2.72E-06	7.47E-06	4.27E-04	5.30E-04	2.74E-02	2.04E-04	2.74E-04	2.84E-02
5473	488995.78	3858936.96	0.10373	1.07313	0.0281	0.09617	4.19E-04	3.20E-02	1.79E-04	3.04E-04	3.29E-02	3.81E-04	3.46E-08	2.39E-06	8.28E-06	3.92E-04	4.85E-04	3.20E-02	1.79E-04	3.04E-04	3.30E-02
5474	489130.76	3859017.38	0.0984	1.03793	0.0268	0.10343	3.98E-04	3.10E-02	1.71E-04	3.27E-04	3.19E-02	3.62E-04	3.35E-08	2.28E-06	8.91E-06	3.73E-04	4.60E-04	3.10E-02	1.71E-04	3.27E-04	3.19E-02
5475	489130.92	3859052.24	0.09679	1.07384	0.025	0.10854	3.91E-04	3.20E-02	1.60E-04	3.43E-04	3.29E-02	3.56E-04	3.46E-08	2.13E-06	9.35E-06	3.67E-04	4.53E-04	3.20E-02	1.60E-04	3.43E-04	3.30E-02
5476	489200.33	3859090.6	0.09426	1.02859	0.0246	0.11097	3.81E-04	3.07E-02	1.57E-04	3.50E-04	3.16E-02	3.47E-04	3.32E-08	2.09E-06	9.56E-06	3.58E-04	4.41E-04	3.07E-02	1.57E-04	3.50E-04	3.16E-02
5477	489296.07	3859143.7	0.09087	0.96627	0.024	0.11395	3.67E-04	2.88E-02	1.53E-04	3.60E-04	2.97E-02	3.34E-04	3.11E-08	2.04E-06	9.81E-06	3.46E-04	4.25E-04	2.88E-02	1.53E-04	3.60E-04	2.98E-02
5478	489296.43	3858954.74	0.09889	0.82487	0.0345	0.09001	4.00E-04	2.46E-02	2.20E-04	2.84E-04	2.55E-02	3.64E-04	2.66E-08	2.94E-06	7.75E-06	3.74E-04	4.62E-04	2.46E-02	2.20E-04	2.84E-04	2.56E-02
5479	489410.33	3859033.19	0.09385	0.81194	0.0315	0.09417	3.79E-04	2.42E-02	2.01E-04	2.97E-04	2.51E-02	3.45E-04	2.62E-08	2.68E-06	8.11E-06	3.56E-04	4.39E-04	2.42E-02	2.01E-04	2.97E-04	2.52E-02
5480	489371.37	3859089.8	0.09202	0.87513	0.0277	0.10251	3.72E-04	2.61E-02	1.77E-04	3.24E-04	2.70E-02	3.38E-04	2.82E-08	2.36E-06	8.83E-06	3.50E-04	4.30E-04	2.61E-02	1.77E-04	3.24E-04	2.70E-02
5481	489390.52	3859102.82	0.09124	0.8677	0.0274	0.10332	3.69E-04	2.59E-02	1.75E-04	3.26E-04	2.68E-02	3.35E-04	2.80E-08	2.33E-06	8.90E-06	3.47E-04	4.27E-04	2.59E-02	1.75E-04	3.26E-04	2.68E-02
5482	489382.3	3859114.53	0.09092	0.87893	0.0267	0.10523	3.68E-04	2.62E-02	1.70E-04	3.32E-04	2.71E-02	3.34E-04	2.83E-08	2.27E-06	9.06E-06	3.46E-04	4.25E-04	2.62E-02	1.70E-04	3.32E-04	2.71E-02
5483	489363.04	3859102.45	0.09167	0.88751	0.027	0.10454	3.71E-04	2.65E-02	1.72E-04	3.30E-04	2.74E-02	3.37E-04	2.86E-08	2.30E-06	9.00E-06	3.48E-04	4.29E-04	2.65E-02	1.72E-04	3.30E-04	2.74E-02
5484	489337.52	3859140.71	0.09047	0.92852	0.0248	0.1112	3.66E-04	2.77E-02	1.58E-04	3.51E-04	2.86E-02	3.33E-04	2.99E-08	2.11E-06	9.58E-06	3.44E-04	4.23E-04	2.77E-02	1.58E-04	3.51E-04	2.86E-02
5485	489375.14	3859164.55	0.08909	0.90601	0.0245	0.1124	3.60E-04	2.70E-02	1.56E-04	3.55E-04	2.79E-02	3.28E-04	2.92E-08	2.08E-06	9.68E-06	3.39E-04	4.17E-04	2.70E-02	1.56E-04	3.55E-04	2.80E-02
5486	489409.3	3859114.5	0.09052	0.85951	0.0271	0.10394	3.66E-04	2.56E-02	1.73E-04	3.28E-04	2.65E-02	3.33E-04	2.77E-08	2.31E-06	8.95E-06	3.44E-04	4.23E-04	2.56E-02	1.73E-04	3.28E-04	2.66E-02

5487	489434.87	3859131.81	0.08955	0.84734	0.0268	0.10483	3.62E-04	2.53E-02	1.71E-04	3.31E-04	2.61E-02	3.29E-04	2.73E-08	2.28E-06	9.03E-06	3.41E-04	4.19E-04	2.53E-02	1.71E-04	3.31E-04	2.62E-02
5488	489471.87	3859075.75	0.09131	0.79569	0.0301	0.09646	3.69E-04	2.37E-02	1.92E-04	3.05E-04	2.46E-02	3.36E-04	2.56E-08	2.56E-06	8.31E-06	3.47E-04	4.27E-04	2.37E-02	1.92E-04	3.05E-04	2.47E-02
5489	489602.62	3859164.69	0.08623	0.75058	0.0276	0.0994	3.49E-04	2.24E-02	1.76E-04	3.14E-04	2.32E-02	3.17E-04	2.42E-08	2.35E-06	8.56E-06	3.28E-04	4.03E-04	2.24E-02	1.76E-04	3.14E-04	2.33E-02
5490	489558.29	3859232.45	0.08439	0.78963	0.0244	0.10787	3.41E-04	2.36E-02	1.56E-04	3.41E-04	2.44E-02	3.10E-04	2.55E-08	2.08E-06	9.29E-06	3.22E-04	3.95E-04	2.36E-02	1.56E-04	3.41E-04	2.44E-02
5491	489620.11	3859273.56	0.08218	0.75909	0.0237	0.10661	3.32E-04	2.26E-02	1.51E-04	3.37E-04	2.35E-02	3.02E-04	2.45E-08	2.01E-06	9.18E-06	3.13E-04	3.84E-04	2.26E-02	1.51E-04	3.37E-04	2.35E-02
5492	489666.06	3859206.42	0.08392	0.7265	0.0265	0.09917	3.39E-04	2.17E-02	1.69E-04	3.13E-04	2.25E-02	3.09E-04	2.34E-08	2.26E-06	8.54E-06	3.19E-04	3.92E-04	2.17E-02	1.69E-04	3.13E-04	2.25E-02
5493	489787.9	3859285.65	0.07986	0.67686	0.0248	0.09615	3.23E-04	2.02E-02	1.58E-04	3.04E-04	2.10E-02	2.94E-04	2.18E-08	2.11E-06	8.28E-06	3.04E-04	3.73E-04	2.02E-02	1.58E-04	3.04E-04	2.10E-02
5494	489752.17	3859343.13	0.07841	0.69367	0.0227	0.1011	3.17E-04	2.07E-02	1.45E-04	3.19E-04	2.15E-02	2.88E-04	2.24E-08	1.93E-06	8.71E-06	2.99E-04	3.67E-04	2.07E-02	1.45E-04	3.19E-04	2.15E-02
5495	489814.94	3859385.33	0.07645	0.6651	0.0221	0.09882	3.09E-04	1.98E-02	1.41E-04	3.12E-04	2.06E-02	2.81E-04	2.14E-08	1.88E-06	8.51E-06	2.91E-04	3.58E-04	1.98E-02	1.41E-04	3.12E-04	2.07E-02
5496	489853.42	3859330.74	0.07771	0.65104	0.0239	0.0941	3.14E-04	1.94E-02	1.52E-04	2.97E-04	2.02E-02	2.86E-04	2.10E-08	2.03E-06	8.10E-06	2.96E-04	3.63E-04	1.94E-02	1.52E-04	2.97E-04	2.02E-02
5497	489969.5	3859401.91	0.07439	0.60777	0.0226	0.09002	3.01E-04	1.81E-02	1.44E-04	2.84E-04	1.89E-02	2.73E-04	1.96E-08	1.92E-06	7.75E-06	2.83E-04	3.48E-04	1.81E-02	1.44E-04	2.84E-04	1.89E-02
5498	490166.91	3859486.96	0.07013	0.54976	0.0215	0.08126	2.83E-04	1.64E-02	1.37E-04	2.57E-04	1.71E-02	2.58E-04	1.77E-08	1.83E-06	7.00E-06	2.67E-04	3.28E-04	1.64E-02	1.37E-04	2.57E-04	1.71E-02
5499	490128.86	3859571.46	0.06794	0.55835	0.0195	0.08334	2.75E-04	1.67E-02	1.24E-04	2.63E-04	1.73E-02	2.50E-04	1.80E-08	1.65E-06	7.18E-06	2.59E-04	3.18E-04	1.67E-02	1.24E-04	2.63E-04	1.74E-02
5500	490186.65	3859593.65	0.0669	0.5432	0.0193	0.07998	2.70E-04	1.62E-02	1.23E-04	2.53E-04	1.69E-02	2.46E-04	1.75E-08	1.64E-06	6.89E-06	2.55E-04	3.13E-04	1.62E-02	1.23E-04	2.53E-04	1.69E-02
5501	490223.74	3859517.48	0.06887	0.53469	0.0211	0.07859	2.78E-04	1.60E-02	1.34E-04	2.48E-04	1.66E-02	2.53E-04	1.72E-08	1.79E-06	6.77E-06	2.62E-04	3.22E-04	1.60E-02	1.34E-04	2.48E-04	1.67E-02
5502	490846.34	3859817.22	0.05892	0.40332	0.0184	0.05037	2.38E-04	1.20E-02	1.17E-04	1.59E-04	1.25E-02	2.17E-04	1.30E-08	1.56E-06	4.34E-06	2.23E-04	2.76E-04	1.20E-02	1.17E-04	1.59E-04	1.26E-02
5503	490925.65	3859844.59	0.05819	0.38881	0.0182	0.04787	2.35E-04	1.16E-02	1.16E-04	1.51E-04	1.21E-02	2.14E-04	1.25E-08	1.55E-06	4.12E-06	2.20E-04	2.72E-04	1.16E-02	1.16E-04	1.51E-04	1.21E-02
5504	491159.29	3859896.28	0.05649	0.35789	0.018	0.04241	2.28E-04	1.07E-02	1.14E-04	1.34E-04	1.12E-02	2.08E-04	1.15E-08	1.53E-06	3.65E-06	2.13E-04	2.64E-04	1.07E-02	1.14E-04	1.34E-04	1.12E-02
5505	491370.69	3859960.89	0.05445	0.33107	0.0172	0.03812	2.20E-04	9.88E-03	1.10E-04	1.20E-04	1.03E-02	2.00E-04	1.07E-08	1.46E-06	3.28E-06	2.05E-04	2.55E-04	9.88E-03	1.10E-04	1.20E-04	1.04E-02
5506	491330.28	3860063.17	0.05125	0.32882	0.0155	0.03644	2.07E-04	9.81E-03	9.87E-05	1.15E-04	1.02E-02	1.88E-04	1.06E-08	1.32E-06	3.14E-06	1.93E-04	2.40E-04	9.81E-03	9.87E-05	1.15E-04	1.03E-02
5507	491636.45	3860180.75	0.04877	0.28456	0.0149	0.03046	1.97E-04	8.49E-03	9.48E-05	9.62E-05	8.88E-03	1.79E-04	9.17E-09	1.26E-06	2.62E-06	1.83E-04	2.28E-04	8.49E-03	9.48E-05	9.62E-05	8.91E-03
5508	491617.94	3860203.93	0.04815	0.28394	0.0146	0.03004	1.95E-04	8.47E-03	9.28E-05	9.48E-05	8.85E-03	1.77E-04	9.15E-09	1.24E-06	2.59E-06	1.81E-04	2.25E-04	8.47E-03	9.28E-05	9.48E-05	8.88E-03
5509	491805.68	3860271.59	0.0468	0.26004	0.0142	0.02713	1.89E-04	7.76E-03	9.07E-05	8.57E-05	8.12E-03	1.72E-04	8.38E-09	1.21E-06	2.34E-06	1.76E-04	2.19E-04	7.76E-03	9.07E-05	8.57E-05	8.15E-03
5510	491654.23	3860414.02	0.04389	0.25542	0.0126	0.02455	1.77E-04	7.62E-03	8.01E-05	7.75E-05	7.96E-03	1.61E-04	8.23E-09	1.07E-06	2.11E-06	1.65E-04	2.05E-04	7.62E-03	8.01E-05	7.75E-05	7.98E-03
5511	491592.62	3860510.76	0.04207	0.24597	0.0117	0.02235	1.70E-04	7.34E-03	7.43E-05	7.06E-05	7.65E-03	1.55E-04	7.93E-09	9.91E-07	1.92E-06	1.58E-04	1.97E-04	7.34E-03	7.43E-05	7.06E-05	7.68E-03
5512	491475.41	3860368.93	0.04439	0.27522	0.0125	0.02617	1.79E-04	8.21E-03	7.96E-05	8.26E-05	8.55E-03	1.63E-04	8.87E-09	1.06E-06	2.25E-06	1.67E-04	2.08E-04	8.21E-03	7.96E-05	8.26E-05	8.58E-03
5513	491445.61	3860337.28	0.04497	0.28243	0.0127	0.02717	1.82E-04	8.43E-03	8.09E-05	8.58E-05	8.77E-03	1.65E-04	9.10E-09	1.08E-06	2.34E-06	1.69E-04	2.10E-04	8.43E-03	8.09E-05	8.58E-05	8.80E-03
5514	491399.05	3860300.37	0.04576	0.29252	0.0129	0.02857	1.85E-04	8.73E-03	8.25E-05	9.02E-05	9.08E-03	1.68E-04	9.43E-09	1.10E-06	2.46E-06	1.72E-04	2.14E-04	8.73E-03	8.25E-05	9.02E-05	9.11E-03
5515	491228.84	3860235.98	0.04723	0.32025	0.0132	0.03188	1.91E-04	9.55E-03	8.45E-05	1.01E-04	9.93E-03	1.74E-04	1.03E-08	1.13E-06	2.75E-06	1.78E-04	2.21E-04	9.55E-03	8.45E-05	1.01E-04	9.96E-03
5516	491228.47	3860174.57	0.04851	0.32883	0.0138	0.03396	1.96E-04	9.81E-03	8.83E-05	1.07E-04	1.02E-02	1.78E-04	1.06E-08	1.18E-06	2.92E-06	1.82E-04	2.27E-04	9.81E-03	8.83E-05	1.07E-04	1.02E-02
5517	491145.77	3860112.55	0.05012	0.34725	0.0144	0.03719	2.03E-04	1.04E-02	9.18E-05	1.17E-04	1.08E-02	1.84E-04	1.12E-08	1.22E-06	3.20E-06	1.89E-04	2.34E-04	1.04E-02	9.18E-05	1.17E-04	1.08E-02
5518	490844.41	3859966.22	0.05473	0.40366	0.0158	0.04635	2.21E-04	1.20E-02	1.01E-04	1.46E-04	1.25E-02	2.01E-04	1.30E-08	1.34E-06	3.99E-06	2.07E-04	2.56E-04	1.20E-02	1.01E-04	1.46E-04	1.25E-02
5519	490845.55	3859928.15	0.05565	0.40499	0.0163	0.0474	2.25E-04	1.21E-02	1.04E-04	1.50E-04	1.26E-02	2.05E-04	1.31E-08	1.39E-06	4.08E-06	2.10E-04	2.60E-04	1.21E-02	1.04E-04	1.50E-04	1.26E-02
5520	490046.91	3859625.6	0.06747	0.57742	0.0182	0.08735	2.73E-04	1.72E-02	1.16E-04	2.76E-04	1.79E-02	2.48E-04	1.86E-08	1.55E-06	7.52E-06	2.57E-04	3.16E-04	1.72E-02	1.16E-04	2.76E-04	1.79E-02
5521	489970.48	3859589.4	0.06921	0.59937	0.0186	0.09286	2.80E-04	1.79E-02	1.18E-04	2.93E-04	1.86E-02	2.54E-04	1.93E-08	1.58E-06	8.00E-06	2.64E-04	3.24E-04	1.79E-02	1.18E-04	2.93E-04	1.86E-02
5522	489865.89	3859529.06	0.07198	0.63477	0.0192	0.1002	2.91E-04	1.89E-02	1.22E-04	3.16E-04	1.97E-02	2.65E-04	2.05E-08	1.63E-06	8.63E-06	2.75E-04	3.37E-04	1.89E-02	1.22E-04	3.16E-04	1.97E-02
5523	489826.89	3859531.74	0.07236	0.64754	0.0189	0.10327	2.92E-04	1.93E-02	1.21E-04	3.26E-04	2.01E-02	2.66E-04	2.09E-08	1.61E-06	8.89E-06	2.77E-04	3.38E-04	1.93E-02	1.21E-04	3.26E-04	2.01E-02
5524	489410.47	3859303.06	0.08351	0.90089	0.0203	0.12584	3.38E-04	2.69E-02	1.30E-04	3.97E-04	2.77E-02	3.07E-04	2.90E-08	1.73E-06	1.08E-05	3.20E-04	3.91E-04	2.69E-02	1.30E-04	3.97E-04	2.78E-02
5525	489407.15	3859286.09	0.08418	0.90332	0.0208	0.12444	3.40E-04	2.69E-02	1.32E-04	3.93E-04	2.78E-02	3.09E-04	2.91E-08	1.77E-06	1.07E-05	3.22E-04	3.94E-04	2.69E-02	1.32E-04	3.93E-04	2.79E-02
5526	488806.07	3858963.62	0.10225	1.55773	0.0231	0.10508	4.13E-04	4.65E-02	1.47E-04	3.32E-04	4.74E-02	3.76E-04	5.02E-08	1.96E-06	9.05E-06	3.87E-04	4.78E-04	4.65E-02	1.47E-04	3.32E-04	4.74E-02
5527	488817.64	3859546.3	0.06954	1.81382	0.0111	0.28599	2.81E-04	5.41E-02	7.10E-05	9.03E-04	5.54E-02	2.56E-04	5.85E-08	9.47E-07	2.46E-05	2.81E-04	3.25E-04	5.41E-02	7.10E-05	9.03E-04	5.54E-02
5528	489187.25	3859549.52	0.07173	0.99961	0.0144	0.1947	2.90E-04	2.98E-02	9.21E-05	6.15E-04	3.08E-02	2.64E-04	3.22E-08	1.23E-06	1.68E-05	2.82E-04	3.35E-04	2.98E-02	9.21E-05	6.15E-04	3.09E-02
5529	489187.66	3859523.74	0.07294	1.0229	0.0148	0.18978	2.95E-04	3.05E-02	9.41E-05	5.99E-04	3.15E-02	2.68E-04	3.30E-08	1.25E-06	1.63E-05	2.86E-04	3.41E-04	3.05E-02	9.41E-05	5.99E-04	3.16E-02
5530	489232.59	3859522.85	0.07345	0.97787	0.015	0.18023	2.97E-04	2.92E-02	9.59E-05	5.69E-04	3.01E-02	2.70E-04	3.15E-08	1.28E-06	1.55E-05	2.87E-04	3.43E-04	2.92E-02	9.59E-05	5.69E-04	3.02E-02
5531	489224.98	3859759.91	0.06329	0.85358	0.0125	0.18951	2.56E-04	2.55E-02	7.94E-05	5.98E-04	2.64E-02	2.33E-04	2.75E-08	1.06E-06	1.63E-05	2.50E-04	2.96E-04	2.55E-02	7.94E-05	5.98E-04	2.64E-02
5532	488401.39	3859763.34	0.05973	2.39445	0.0091	0.55229	2.41E-04	7.14E-02	5.79E-05	1.74E-03	7.35E-02	2.20E-04	7.72E-08	7.71E-07	4.76E-05	2.68E-04	2.79E-04	7.14E-02	5.79E-05	1.74E-03	7.35E-02
5533	488405.51	3859966.16	0.05377	2.44999	0.0084	0.15959	2.17E-04	7.31E-02	5.38E-05	5.04E-04	7.39E-02	1.98E-04	7.90E-08	7.17E-07	1.37E-05	2.12E-04	2.51E-04	7.31E-02	5.38E-05	5.04E-04	7.39E-02
5534	489202.85	3859956.57	0.057	0.91755	0.0104	0.1669	2.30E-04	2.74E-02	6.63E-05	5.27E-04	2.82E-02	2.10E-04	2.96E-08	8.84E-07	1.44E-05	2.25E-04	2.67E-04	2.74E-02	6.63E-05	5.27E-04	2.82E-02
5535	489191.9	3860676.74	0.0409	0.65307	0.0061	0.03704	1.65E-04	1.95E-02	3.90E-05	1.17E-04	1.98E-02	1.50E-04	2.10E-08	5.20E-07	3.19E-06	1.54E-04	1.91E-04	1.95E-02	3.90E-05	1.17E-04	1.98E-02
5536	488392.82	3860687.88	0.03872	0.63304	0.0073	0.03539	1.57E-04	1.89E-02	4.66E-05	1.12E-04	1.92E-02	1.42E-04	2.04E-08	6.22E-07	3.05E-06	1.46E-04	1.81E-04	1.89E-02	4.66E-05	1.12E-04	1.92E-02
5537	488392.82	3860760.27	0.03782	0.46637	0.0073	0.02872	1.53E-04	1.39E-02	4.64E-05	9.07E-05	1.42E-02	1.39E-04	1.50E-08	6.18E-07	2.47E-06	1.42E-04	1.77E-04	1.39E-02	4.64E-05	9.07E-05	1.42E-02
5538	487549.05	3860777.45	0.03637	0.26236	0.0068	0.01768	1.47E-04	7.83E-03	4.36E-05	5.58E-05	8.07E-03	1.34E-04	8.46E-09	5.81E-07	1.52E-06	1.36E-04	1.70E-04	7.83E-03	4.36E-05	5.58E-05	8.10E-03
5539	487554.62	3859571.83	0.0622	1.06065	0.0093	0.06608	2.51E-04	3.16E-02	5.93E-05	2.09E-04	3.22E-02	2.29E-04	3.42E-08	7.90E-07	5.69E-06	2.35E-04	2.91E-04	3.16E-02	5.93E-05	2.09E-04	3.22E-02
5540	485949.46	3859558.54	0.06157	0.24459	0.0144	0.01752	2.49E-04	7.30E-03	9.21E-05	5.53E-05	7.69E-03	2.26E-04	7.88E-09	1.23E-06	1.51E-06	2.29E-04	2.88E-04	7.30E-03	9.21E-05	5.53E-05	7.73E-03
5541	485947.55	3857943.61	0.1938	0.55837	0.0209	0.02399	7.83E-04	1.67E-02	1.33E-04	7.57E-05	1.77E-02	7.13E-04	1.80E-08	1.78E-06	2.07E-06	7.16E-04	9.06E-04	1.67E-02	1.33E-04	7.57E-05	1.78E-02
5542	484738.38	3857940.21	0.14741	0.25529	0.0136	0.01573	5.96E-04	7.62E-03	8.66E-05	4.97E-05	8.35E-03	5.42E-04	8.23E-09	1.15E-06	1.35E-06	5.44E-04	6.89E-04	7.62E-03	8.66E-05	4.97E-05	8.44E-03
5543	484737.06	3857535.68	0.18978	0.47157	0.0137	0.01965	7.67E-04	1.41E-02	8.73E-05	6.20E-05	1.50E-02	6.98E-04	1.52E-08	1.16E-06	1.69E-06	7.01E-04	8.88E-04	1.41E-02	8.73E-05	6.20E-05	1.51E-02
5544	483730.2	3857530.13	0.13253	0.24707	0.0104	0.01873	5.36E-04	7.37E-03	6.63E-05	5.91E-05	8.03E-03	4.87E-04	7.96E-09	8.84E-07	1.61E-06	4.90E-04	6.20E-04	7.37E-03	6.63E-05	5.91E-05	8.12E-03
5545	483727.27	3857130.01	0.15626	0.46837	0.0116	0.0258	6.32E-04	1.40E-02	7.37E-05	8.15E-05	1.48E-02	5.74E-04	1.51E-08	9.82E-07	2.22E-06	5.78E-04	7.31E-04	1.40E-02	7.37E-05	8.15E-05	1.49E-02
5546	483124.42	3857123.45	0.12003	0.23167	0.01	0.01876	4.85E-04	6.91E-03	6.38E-05	5.92E-05	7.52E-03	4.41E-04	7.47E-09	8.51E-07	1.62E-06	4.44E-04	5.61E-04	6.91E-03	6.38E-05	5.92E-05	7.60E-03
5547	483111.13	3855921.03	0.16194	0.48886	0.0084	0.04674	6.55E-04	1.46E-02	5.38E-05	1.48E-04	1.54E-02	5.95E-04	1.58E-08	7.18E-07	4.02E-06	6.00E-04	7.57E-04	1.46E-02	5.38E-05	1.48E-04	1.55E-02

5548	482701.73	3855918.24	0.12691	0.24757	0.0089	0.02875	5.13E-04	7.39E-03	5.65E-05	9.08E-05	8.05E-03	4.67E-04	7.98E-09	7.54E-07	2.48E-06	4.70E-04	5.94E-04	7.39E-03	5.65E-05	9.08E-05	8.13E-03
5549	482668.02	3853521.78	0.04751	0.02731	0.0035	0.00809	1.92E-04	8.15E-04	2.23E-05	2.55E-05	1.05E-03	1.75E-04	8.80E-10	2.98E-07	6.97E-07	1.76E-04	2.22E-04	8.15E-04	2.23E-05	2.55E-05	1.08E-03
5550	482579.91	3853219.19	0.04559	0.0234	0.0033	0.00697	1.84E-04	6.98E-04	2.12E-05	2.20E-05	9.26E-04	1.68E-04	7.54E-10	2.82E-07	6.00E-07	1.68E-04	2.13E-04	6.98E-04	2.12E-05	2.20E-05	9.54E-04
5551	482434.06	3852961.94	0.04364	0.02053	0.0032	0.00618	1.76E-04	6.12E-04	2.02E-05	1.95E-05	8.29E-04	1.60E-04	6.62E-10	2.69E-07	5.32E-07	1.61E-04	2.04E-04	6.12E-04	2.02E-05	1.95E-05	8.56E-04
5552	482332.11	3852832.85	0.04167	0.01939	0.0031	0.00582	1.68E-04	5.78E-04	1.97E-05	1.84E-05	7.85E-04	1.53E-04	6.25E-10	2.63E-07	5.01E-07	1.54E-04	1.95E-04	5.78E-04	1.97E-05	1.84E-05	8.11E-04
5553	481334.99	3851818.96	0.02769	0.01425	0.0026	0.00414	1.12E-04	4.25E-04	1.67E-05	1.31E-05	5.67E-04	1.02E-04	4.59E-10	2.23E-07	3.56E-07	1.02E-04	1.29E-04	4.25E-04	1.67E-05	1.31E-05	5.84E-04
5554	481127.62	3851646.36	0.02556	0.01381	0.0026	0.00395	1.03E-04	4.12E-04	1.63E-05	1.25E-05	5.44E-04	9.40E-05	4.45E-10	2.17E-07	3.40E-07	9.45E-05	1.20E-04	4.12E-04	1.63E-05	1.25E-05	5.60E-04
5555	481025.04	3851591.73	0.02441	0.01369	0.0025	0.00387	9.87E-05	4.08E-04	1.61E-05	1.22E-05	5.35E-04	8.97E-05	4.41E-10	2.15E-07	3.33E-07	9.03E-05	1.14E-04	4.08E-04	1.61E-05	1.22E-05	5.51E-04
5556	480513.6	3851335.76	0.01921	0.01283	0.0025	0.00358	7.77E-05	3.83E-04	1.56E-05	1.13E-05	4.87E-04	7.06E-05	4.14E-10	2.08E-07	3.08E-07	7.11E-05	8.98E-05	3.83E-04	1.56E-05	1.13E-05	5.00E-04
5557	480523.56	3851317.66	0.01945	0.01273	0.0025	0.00358	7.86E-05	3.80E-04	1.56E-05	1.13E-05	4.85E-04	7.15E-05	4.10E-10	2.08E-07	3.08E-07	7.20E-05	9.10E-05	3.80E-04	1.56E-05	1.13E-05	4.98E-04
5558	476921.56	3849569.11	0.00963	0.0076	0.0019	0.00261	3.89E-05	2.27E-04	1.23E-05	8.24E-06	2.86E-04	3.54E-05	2.45E-10	1.64E-07	2.25E-07	3.58E-05	4.50E-05	2.27E-04	1.23E-05	8.24E-06	2.92E-04
5559	476521.19	3849373.96	0.00917	0.00652	0.0019	0.00256	3.71E-05	1.95E-04	1.20E-05	8.08E-06	2.52E-04	3.37E-05	2.10E-10	1.60E-07	2.20E-07	3.41E-05	4.29E-05	1.95E-04	1.20E-05	8.08E-06	2.57E-04
5560	476391.45	3849333.38	0.00909	0.00627	0.0019	0.00255	3.67E-05	1.87E-04	1.19E-05	8.05E-06	2.44E-04	3.34E-05	2.02E-10	1.58E-07	2.20E-07	3.38E-05	4.25E-05	1.87E-04	1.19E-05	8.05E-06	2.49E-04
5561	476219.41	3849304.29	0.00904	0.00593	0.0018	0.00255	3.65E-05	1.77E-04	1.17E-05	8.05E-06	2.33E-04	3.32E-05	1.91E-10	1.56E-07	2.20E-07	3.36E-05	4.23E-05	1.77E-04	1.17E-05	8.05E-06	2.39E-04
5562	475679.11	3849218.47	0.0088	0.00505	0.0018	0.00255	3.56E-05	1.51E-04	1.14E-05	8.05E-06	2.06E-04	3.24E-05	1.63E-10	1.52E-07	2.20E-07	3.27E-05	4.12E-05	1.51E-04	1.14E-05	8.05E-06	2.11E-04
5563	475677.71	3849233.88	0.00885	0.00508	0.0018	0.00256	3.58E-05	1.52E-04	1.14E-05	8.08E-06	2.07E-04	3.25E-05	1.64E-10	1.52E-07	2.20E-07	3.29E-05	4.14E-05	1.52E-04	1.14E-05	8.08E-06	2.12E-04
5564	475492.74	3849204.66	0.00824	0.00421	0.0018	0.00254	3.33E-05	1.26E-04	1.13E-05	8.02E-06	1.78E-04	3.03E-05	1.36E-10	1.51E-07	2.19E-07	3.07E-05	3.85E-05	1.26E-04	1.13E-05	8.02E-06	1.83E-04
5565	475497.64	3849158.75	0.00838	0.00444	0.0018	0.00253	3.39E-05	1.32E-04	1.13E-05	7.99E-06	1.86E-04	3.08E-05	1.43E-10	1.51E-07	2.18E-07	3.12E-05	3.92E-05	1.32E-04	1.13E-05	7.99E-06	1.91E-04
5566	475391.35	3849141.94	0.00855	0.00468	0.0018	0.00253	3.46E-05	1.40E-04	1.12E-05	7.99E-06	1.93E-04	3.14E-05	1.51E-10	1.50E-07	2.18E-07	3.18E-05	4.00E-05	1.40E-04	1.12E-05	7.99E-06	1.99E-04
5567	475277	3849095.47	0.00851	0.00472	0.0018	0.00252	3.44E-05	1.41E-04	1.12E-05	7.96E-06	1.94E-04	3.13E-05	1.52E-10	1.49E-07	2.17E-07	3.17E-05	3.98E-05	1.41E-04	1.12E-05	7.96E-06	2.00E-04
5568	475183.93	3849025.66	0.00835	0.00464	0.0017	0.0025	3.38E-05	1.38E-04	1.11E-05	7.89E-06	1.91E-04	3.07E-05	1.50E-10	1.48E-07	2.15E-07	3.11E-05	3.90E-05	1.38E-04	1.11E-05	7.89E-06	1.96E-04
5569	474453.23	3848378.77	0.00721	0.00411	0.0016	0.00233	2.91E-05	1.23E-04	1.05E-05	7.36E-06	1.70E-04	2.65E-05	1.32E-10	1.39E-07	2.01E-07	2.68E-05	3.37E-05	1.23E-04	1.05E-05	7.36E-06	1.74E-04
5570	474569.63	3848399.34	0.00718	0.00404	0.0017	0.00233	2.90E-05	1.21E-04	1.05E-05	7.36E-06	1.67E-04	2.64E-05	1.30E-10	1.40E-07	2.01E-07	2.67E-05	3.36E-05	1.21E-04	1.05E-05	7.36E-06	1.72E-04
5571	474644.33	3848464.52	0.0073	0.00411	0.0017	0.00235	2.95E-05	1.23E-04	1.06E-05	7.42E-06	1.70E-04	2.68E-05	1.32E-10	1.41E-07	2.02E-07	2.72E-05	3.41E-05	1.23E-04	1.06E-05	7.42E-06	1.75E-04
5572	474719.04	3848529.7	0.00741	0.00416	0.0017	0.00236	3.00E-05	1.24E-04	1.07E-05	7.45E-06	1.72E-04	2.72E-05	1.34E-10	1.42E-07	2.03E-07	2.76E-05	3.47E-05	1.24E-04	1.07E-05	7.45E-06	1.77E-04
5573	474793.74	3848594.88	0.00748	0.00417	0.0017	0.00238	3.02E-05	1.24E-04	1.07E-05	7.51E-06	1.73E-04	2.75E-05	1.34E-10	1.43E-07	2.05E-07	2.78E-05	3.50E-05	1.24E-04	1.07E-05	7.51E-06	1.78E-04
5574	474868.45	3848660.07	0.00753	0.00413	0.0017	0.00239	3.04E-05	1.23E-04	1.08E-05	7.55E-06	1.72E-04	2.77E-05	1.33E-10	1.44E-07	2.06E-07	2.80E-05	3.52E-05	1.23E-04	1.08E-05	7.55E-06	1.77E-04
5575	474943.15	3848725.25	0.00761	0.00414	0.0017	0.00241	3.08E-05	1.24E-04	1.08E-05	7.61E-06	1.73E-04	2.80E-05	1.33E-10	1.45E-07	2.08E-07	2.83E-05	3.56E-05	1.24E-04	1.08E-05	7.61E-06	1.78E-04
5576	475017.86	3848790.43	0.00775	0.00423	0.0017	0.00243	3.13E-05	1.26E-04	1.09E-05	7.67E-06	1.76E-04	2.85E-05	1.36E-10	1.45E-07	2.09E-07	2.88E-05	3.62E-05	1.26E-04	1.09E-05	7.67E-06	1.81E-04
5577	475092.56	3848855.61	0.00791	0.00434	0.0017	0.00245	3.20E-05	1.29E-04	1.10E-05	7.74E-06	1.80E-04	2.91E-05	1.40E-10	1.46E-07	2.11E-07	2.94E-05	3.70E-05	1.29E-04	1.10E-05	7.74E-06	1.85E-04
5578	475232.58	3848959.38	0.00814	0.00448	0.0017	0.00248	3.29E-05	1.34E-04	1.10E-05	7.83E-06	1.85E-04	2.99E-05	1.44E-10	1.47E-07	2.14E-07	3.03E-05	3.81E-05	1.34E-04	1.10E-05	7.83E-06	1.91E-04
5579	475368.47	3849029.98	0.00824	0.00451	0.0018	0.00249	3.33E-05	1.35E-04	1.12E-05	7.86E-06	1.87E-04	3.03E-05	1.45E-10	1.49E-07	2.14E-07	3.07E-05	3.85E-05	1.35E-04	1.12E-05	7.86E-06	1.92E-04
5580	475609.57	3849096.09	0.0083	0.00453	0.0018	0.00251	3.36E-05	1.35E-04	1.13E-05	7.93E-06	1.88E-04	3.05E-05	1.46E-10	1.51E-07	2.16E-07	3.09E-05	3.88E-05	1.35E-04	1.13E-05	7.93E-06	1.93E-04
5581	475680.68	3849116.62	0.00844	0.00473	0.0018	0.00251	3.41E-05	1.41E-04	1.14E-05	7.93E-06	1.95E-04	3.10E-05	1.52E-10	1.51E-07	2.16E-07	3.14E-05	3.95E-05	1.41E-04	1.14E-05	7.93E-06	2.00E-04
5582	475843.76	3849151.52	0.00858	0.00503	0.0018	0.00252	3.47E-05	1.50E-04	1.14E-05	7.96E-06	2.04E-04	3.15E-05	1.62E-10	1.52E-07	2.17E-07	3.19E-05	4.01E-05	1.50E-04	1.14E-05	7.96E-06	2.10E-04
5583	475935.73	3849165.89	0.00869	0.00533	0.0018	0.00252	3.51E-05	1.59E-04	1.15E-05	7.96E-06	2.14E-04	3.19E-05	1.72E-10	1.53E-07	2.17E-07	3.23E-05	4.06E-05	1.59E-04	1.15E-05	7.96E-06	2.19E-04
5584	476027.71	3849180.27	0.00876	0.00561	0.0018	0.00252	3.54E-05	1.67E-04	1.15E-05	7.96E-06	2.22E-04	3.22E-05	1.81E-10	1.54E-07	2.17E-07	3.26E-05	4.10E-05	1.67E-04	1.15E-05	7.96E-06	2.28E-04
5585	476119.68	3849194.64	0.00873	0.00558	0.0018	0.00252	3.53E-05	1.66E-04	1.16E-05	7.96E-06	2.21E-04	3.21E-05	1.80E-10	1.55E-07	2.17E-07	3.25E-05	4.08E-05	1.66E-04	1.16E-05	7.96E-06	2.27E-04
5586	476211.65	3849209.01	0.00875	0.0057	0.0018	0.00252	3.54E-05	1.70E-04	1.17E-05	7.96E-06	2.25E-04	3.22E-05	1.84E-10	1.56E-07	2.17E-07	3.25E-05	4.09E-05	1.70E-04	1.17E-05	7.96E-06	2.31E-04
5587	476497.8	3849283.9	0.0089	0.0063	0.0019	0.00253	3.60E-05	1.88E-04	1.19E-05	7.99E-06	2.44E-04	3.27E-05	2.03E-10	1.59E-07	2.18E-07	3.31E-05	4.16E-05	1.88E-04	1.19E-05	7.99E-06	2.49E-04
5588	476603.73	3849323.77	0.00899	0.0066	0.0019	0.00254	3.63E-05	1.97E-04	1.21E-05	8.02E-06	2.53E-04	3.31E-05	2.13E-10	1.61E-07	2.19E-07	3.34E-05	4.20E-05	1.97E-04	1.21E-05	8.02E-06	2.59E-04
5589	476728.99	3849382.76	0.00912	0.00692	0.0019	0.00255	3.69E-05	2.06E-04	1.21E-05	8.05E-06	2.63E-04	3.35E-05	2.23E-10	1.62E-07	2.20E-07	3.39E-05	4.27E-05	2.06E-04	1.21E-05	8.05E-06	2.69E-04
5590	476801.27	3849418.65	0.0092	0.00712	0.0019	0.00256	3.72E-05	2.12E-04	1.22E-05	8.08E-06	2.70E-04	3.38E-05	2.29E-10	1.62E-07	2.20E-07	3.42E-05	4.30E-05	2.12E-04	1.22E-05	8.08E-06	2.76E-04
5591	476956.2	3849495.05	0.00938	0.00756	0.0019	0.00258	3.79E-05	2.26E-04	1.24E-05	8.15E-06	2.84E-04	3.45E-05	2.44E-10	1.65E-07	2.22E-07	3.49E-05	4.39E-05	2.26E-04	1.24E-05	8.15E-06	2.90E-04
5592	477038.84	3849535.56	0.00945	0.00769	0.002	0.00259	3.82E-05	2.29E-04	1.24E-05	8.18E-06	2.88E-04	3.47E-05	2.48E-10	1.66E-07	2.23E-07	3.51E-05	4.42E-05	2.29E-04	1.24E-05	8.18E-06	2.94E-04
5593	477121.48	3849576.08	0.00954	0.00791	0.002	0.0026	3.86E-05	2.36E-04	1.25E-05	8.21E-06	2.95E-04	3.51E-05	2.55E-10	1.67E-07	2.24E-07	3.55E-05	4.46E-05	2.36E-04	1.25E-05	8.21E-06	3.01E-04
5594	477204.13	3849616.6	0.00962	0.00803	0.002	0.00261	3.89E-05	2.40E-04	1.26E-05	8.24E-06	2.99E-04	3.54E-05	2.59E-10	1.68E-07	2.25E-07	3.58E-05	4.50E-05	2.40E-04	1.26E-05	8.24E-06	3.05E-04
5595	477286.78	3849657.12	0.00965	0.0079	0.002	0.00263	3.90E-05	2.36E-04	1.26E-05	8.30E-06	2.96E-04	3.55E-05	2.55E-10	1.68E-07	2.26E-07	3.59E-05	4.51E-05	2.36E-04	1.26E-05	8.30E-06	3.02E-04
5596	477369.42	3849697.63	0.00979	0.00842	0.002	0.00264	3.96E-05	2.51E-04	1.27E-05	8.34E-06	3.12E-04	3.60E-05	2.71E-10	1.69E-07	2.27E-07	3.64E-05	4.58E-05	2.51E-04	1.27E-05	8.34E-06	3.18E-04
5597	477452.07	3849738.15	0.00986	0.00856	0.002	0.00265	3.99E-05	2.55E-04	1.28E-05	8.37E-06	3.16E-04	3.63E-05	2.76E-10	1.71E-07	2.28E-07	3.66E-05	4.61E-05	2.55E-04	1.28E-05	8.37E-06	3.23E-04
5598	477534.71	3849778.67	0.00997	0.00896	0.002	0.00266	4.03E-05	2.67E-04	1.29E-05	8.40E-06	3.29E-04	3.67E-05	2.89E-10	1.72E-07	2.29E-07	3.71E-05	4.66E-05	2.67E-04	1.29E-05	8.40E-06	3.35E-04
5599	477617.35	3849819.18	0.01004	0.00909	0.002	0.00268	4.06E-05	2.71E-04	1.29E-05	8.46E-06	3.33E-04	3.69E-05	2.93E-10	1.73E-07	2.31E-07	3.73E-05	4.70E-05	2.71E-04	1.29E-05	8.46E-06	3.40E-04
5600	477824.74	3849896.37	0.01016	0.00953	0.0021	0.00271	4.11E-05	2.84E-04	1.31E-05	8.56E-06	3.47E-04	3.74E-05	3.07E-10	1.75E-07	2.33E-07	3.78E-05	4.75E-05	2.84E-04	1.31E-05	8.56E-06	3.54E-04
5601	477906.31	3849936.37	0.01018	0.0093	0.0021	0.00273	4.11E-05	2.77E-04	1.32E-05	8.62E-06	3.40E-04	3.74E-05	3.00E-10	1.76E-07	2.35E-07	3.78E-05	4.76E-05	2.77E-04	1.32E-05	8.62E-06	3.47E-04
5602	477987.89	3849976.36	0.01028	0.00955	0.0021	0.00275	4.16E-05	2.85E-04	1.33E-05	8.68E-06	3.48E-04	3.78E-05	3.08E-10	1.77E-07	2.37E-07	3.82E-05	4.81E-05	2.85E-04	1.33E-05	8.68E-06	3.55E-04
5603	478069.47	3850016.36	0.01031	0.0094	0.0021	0.00277	4.17E-05	2.80E-04	1.33E-05	8.75E-06	3.44E-04	3.79E-05	3.03E-10	1.78E-07	2.39E-07	3.83E-05	4.82E-05	2.80E-04	1.33E-05	8.75E-06	3.51E-04
5604	478151.04	3850056.35	0.01034	0.00926	0.0021	0.00279	4.18E-05	2.76E-04	1.34E-05	8.81E-06	3.40E-04	3.80E-05	2.98E-10	1.79E-07	2.40E-07	3.84E-05	4.84E-05	2.76E-04	1.34E-05	8.81E-06	3.47E-04
5605	478232.62	3850096.35	0.01041	0.00937	0.0021	0.00281	4.21E-05	2.80E-04	1.35E-05	8.87E-06	3.44E-04	3.83E-05	3.02E-10	1.79E-07	2.42E-07	3.87E-05	4.87E-05	2.80E-04	1.35E-05	8.87E-06	3.51E-04
5606	478314.2	3850136.34	0.0105	0.0095	0.0021	0.00283	4.24E-05	2.83E-04	1.35E-05	8.94E-06	3.48E-04	3.86E-05	3.06E-10	1.80E-07	2.44E-07	3.90E-05	4.91E-05	2.83E-04	1.35E-05	8.94E-06	3.55E-04
5607	478395.77	3850176.34	0.0106	0.00963	0.0021	0.00286	4.28E-05	2.87E-04	1.36E-05	9.03E-06	3.53E-04	3.90E-05	3.10E-10	1.81E-07	2.46E-07	3.94E-05	4.96E-05	2.87E-04	1.36E-05	9.03E-06	3.59E-04
5608	478575.43	3850244.45	0.01075	0.00985	0.0022	0.0029	4.35E-05	2.94E-04	1.37E-05	9.16E-06	3.60E-04	3.95E-05	3.17E-10	1.83E-07	2.50E-07	4.00E-05	5.03E-05	2.94E-04	1.37E-05	9.16E-06	3.67E-04

5609	478665.06	3850287.29	0.01088	0.00998	0.0022	0.00293	4.40E-05	2.98E-04	1.38E-05	9.25E-06	3.65E-04	4.00E-05	3.22E-10	1.84E-07	2.52E-07	4.04E-05	5.09E-05	2.98E-04	1.38E-05	9.25E-06	3.72E-04
5610	478754.69	3850330.14	0.01105	0.01012	0.0022	0.00295	4.47E-05	3.02E-04	1.39E-05	9.31E-06	3.70E-04	4.06E-05	3.26E-10	1.85E-07	2.54E-07	4.11E-05	5.17E-05	3.02E-04	1.39E-05	9.31E-06	3.77E-04
5611	478844.32	3850372.99	0.01125	0.01031	0.0022	0.00297	4.55E-05	3.08E-04	1.40E-05	9.38E-06	3.76E-04	4.14E-05	3.32E-10	1.86E-07	2.56E-07	4.18E-05	5.26E-05	3.08E-04	1.40E-05	9.38E-06	3.84E-04
5612	478933.95	3850415.84	0.01172	0.01053	0.0022	0.00299	4.74E-05	3.14E-04	1.40E-05	9.44E-06	3.85E-04	4.31E-05	3.39E-10	1.87E-07	2.57E-07	4.35E-05	5.48E-05	3.14E-04	1.40E-05	9.44E-06	3.92E-04
5613	479023.58	3850458.68	0.01169	0.01052	0.0022	0.00302	4.73E-05	3.14E-04	1.41E-05	9.54E-06	3.85E-04	4.30E-05	3.39E-10	1.88E-07	2.60E-07	4.34E-05	5.47E-05	3.14E-04	1.41E-05	9.54E-06	3.92E-04
5614	479110.66	3850441.9	0.01209	0.01051	0.0022	0.00303	4.89E-05	3.14E-04	1.41E-05	9.57E-06	3.86E-04	4.44E-05	3.39E-10	1.88E-07	2.61E-07	4.49E-05	5.65E-05	3.14E-04	1.41E-05	9.57E-06	3.94E-04
5615	479191.22	3850423.99	0.01237	0.01038	0.0022	0.00304	5.00E-05	3.10E-04	1.40E-05	9.60E-06	3.83E-04	4.55E-05	3.35E-10	1.87E-07	2.62E-07	4.59E-05	5.78E-05	3.10E-04	1.40E-05	9.60E-06	3.91E-04
5616	479274.32	3850465.71	0.01267	0.01043	0.0022	0.00307	5.12E-05	3.11E-04	1.41E-05	9.69E-06	3.86E-04	4.66E-05	3.36E-10	1.88E-07	2.64E-07	4.70E-05	5.93E-05	3.11E-04	1.41E-05	9.69E-06	3.94E-04
5617	479357.43	3850507.42	0.013	0.01034	0.0022	0.0031	5.25E-05	3.08E-04	1.42E-05	9.79E-06	3.85E-04	4.78E-05	3.33E-10	1.89E-07	2.67E-07	4.83E-05	6.08E-05	3.08E-04	1.42E-05	9.79E-06	3.93E-04
5618	479440.53	3850549.14	0.01303	0.0102	0.0022	0.00313	5.27E-05	3.04E-04	1.42E-05	9.88E-06	3.81E-04	4.79E-05	3.29E-10	1.89E-07	2.70E-07	4.84E-05	6.09E-05	3.04E-04	1.42E-05	9.88E-06	3.89E-04
5619	479523.64	3850590.85	0.01337	0.01013	0.0022	0.00317	5.40E-05	3.02E-04	1.42E-05	1.00E-05	3.80E-04	4.92E-05	3.26E-10	1.90E-07	2.73E-07	4.96E-05	6.25E-05	3.02E-04	1.42E-05	1.00E-05	3.89E-04
5620	479606.74	3850632.57	0.01381	0.01014	0.0022	0.00319	5.58E-05	3.03E-04	1.43E-05	1.01E-05	3.83E-04	5.08E-05	3.27E-10	1.91E-07	2.75E-07	5.12E-05	6.46E-05	3.03E-04	1.43E-05	1.01E-05	3.91E-04
5621	479777.37	3850707.61	0.01487	0.01007	0.0023	0.00325	6.01E-05	3.00E-04	1.44E-05	1.03E-05	3.85E-04	5.47E-05	3.25E-10	1.91E-07	2.80E-07	5.51E-05	6.95E-05	3.00E-04	1.44E-05	1.03E-05	3.95E-04
5622	479864.9	3850740.95	0.01557	0.01012	0.0023	0.00327	6.29E-05	3.02E-04	1.44E-05	1.03E-05	3.90E-04	5.72E-05	3.26E-10	1.92E-07	2.82E-07	5.77E-05	7.28E-05	3.02E-04	1.44E-05	1.03E-05	3.99E-04
5623	479931.87	3850829.56	0.01577	0.01048	0.0023	0.00331	6.37E-05	3.13E-04	1.46E-05	1.05E-05	4.01E-04	5.80E-05	3.38E-10	1.95E-07	2.85E-07	5.85E-05	7.38E-05	3.13E-04	1.46E-05	1.05E-05	4.11E-04
5624	479995.55	3850926.75	0.01609	0.01109	0.0023	0.00334	6.50E-05	3.31E-04	1.48E-05	1.05E-05	4.21E-04	5.92E-05	3.57E-10	1.97E-07	2.88E-07	5.96E-05	7.52E-05	3.31E-04	1.48E-05	1.05E-05	4.31E-04
5625	480079.78	3850968.64	0.01668	0.01131	0.0023	0.00336	6.74E-05	3.37E-04	1.49E-05	1.06E-05	4.30E-04	6.13E-05	3.65E-10	1.98E-07	2.89E-07	6.18E-05	7.80E-05	3.37E-04	1.49E-05	1.06E-05	4.41E-04
5626	480164.01	3851010.54	0.0173	0.0115	0.0023	0.00338	6.99E-05	3.43E-04	1.49E-05	1.07E-05	4.39E-04	6.36E-05	3.71E-10	1.99E-07	2.91E-07	6.41E-05	8.09E-05	3.43E-04	1.49E-05	1.07E-05	4.50E-04
5627	480248.23	3851052.43	0.01795	0.0117	0.0024	0.00341	7.26E-05	3.49E-04	1.51E-05	1.08E-05	4.47E-04	6.60E-05	3.77E-10	2.01E-07	2.94E-07	6.65E-05	8.39E-05	3.49E-04	1.51E-05	1.08E-05	4.59E-04
5628	480332.46	3851094.33	0.01863	0.01181	0.0024	0.00344	7.53E-05	3.52E-04	1.51E-05	1.09E-05	4.54E-04	6.85E-05	3.81E-10	2.02E-07	2.96E-07	6.90E-05	8.71E-05	3.52E-04	1.51E-05	1.09E-05	4.65E-04
5629	480416.69	3851136.22	0.01936	0.01182	0.0024	0.00348	7.83E-05	3.53E-04	1.52E-05	1.10E-05	4.57E-04	7.12E-05	3.81E-10	2.02E-07	3.00E-07	7.17E-05	9.05E-05	3.53E-04	1.52E-05	1.10E-05	4.69E-04
5630	480579.95	3851215.17	0.02087	0.01197	0.0024	0.00356	8.44E-05	3.57E-04	1.53E-05	1.12E-05	4.68E-04	7.67E-05	3.86E-10	2.04E-07	3.07E-07	7.72E-05	9.76E-05	3.57E-04	1.53E-05	1.12E-05	4.81E-04
5631	480658.98	3851252.22	0.02163	0.01211	0.0024	0.0036	8.74E-05	3.61E-04	1.54E-05	1.14E-05	4.75E-04	7.95E-05	3.90E-10	2.05E-07	3.10E-07	8.00E-05	1.01E-04	3.61E-04	1.54E-05	1.14E-05	4.89E-04
5632	480817.36	3851327.85	0.02318	0.01237	0.0024	0.00368	9.37E-05	3.69E-04	1.55E-05	1.16E-05	4.90E-04	8.52E-05	3.99E-10	2.07E-07	3.17E-07	8.57E-05	1.08E-04	3.69E-04	1.55E-05	1.16E-05	5.05E-04
5633	480896.72	3851366.42	0.02396	0.01245	0.0024	0.00373	9.69E-05	3.71E-04	1.56E-05	1.18E-05	4.96E-04	8.81E-05	4.01E-10	2.08E-07	3.21E-07	8.86E-05	1.12E-04	3.71E-04	1.56E-05	1.18E-05	5.11E-04
5634	480976.07	3851405	0.02473	0.01253	0.0025	0.00378	1.00E-04	3.74E-04	1.57E-05	1.19E-05	5.01E-04	9.09E-05	4.04E-10	2.09E-07	3.25E-07	9.15E-05	1.16E-04	3.74E-04	1.57E-05	1.19E-05	5.17E-04
5635	481178	3851487.31	0.02659	0.01251	0.0025	0.00389	1.07E-04	3.73E-04	1.58E-05	1.23E-05	5.09E-04	9.78E-05	4.03E-10	2.11E-07	3.35E-07	9.83E-05	1.24E-04	3.73E-04	1.58E-05	1.23E-05	5.26E-04
5636	481244.9	3851557.17	0.02721	0.01274	0.0025	0.00395	1.10E-04	3.80E-04	1.60E-05	1.25E-05	5.19E-04	1.00E-04	4.11E-10	2.13E-07	3.40E-07	1.01E-04	1.27E-04	3.80E-04	1.60E-05	1.25E-05	5.36E-04
5637	481311.81	3851627.03	0.02787	0.01293	0.0025	0.00401	1.13E-04	3.86E-04	1.62E-05	1.27E-05	5.27E-04	1.02E-04	4.17E-10	2.16E-07	3.45E-07	1.03E-04	1.30E-04	3.86E-04	1.62E-05	1.27E-05	5.45E-04
5638	481378.71	3851696.89	0.02856	0.0131	0.0026	0.00408	1.15E-04	3.91E-04	1.63E-05	1.29E-05	5.35E-04	1.05E-04	4.22E-10	2.18E-07	3.51E-07	1.06E-04	1.34E-04	3.91E-04	1.63E-05	1.29E-05	5.54E-04
5639	481445.61	3851766.76	0.02927	0.01329	0.0026	0.00415	1.18E-04	3.96E-04	1.65E-05	1.31E-05	5.44E-04	1.08E-04	4.28E-10	2.20E-07	3.57E-07	1.08E-04	1.37E-04	3.96E-04	1.65E-05	1.31E-05	5.63E-04
5640	481512.51	3851836.62	0.03004	0.01344	0.0026	0.00422	1.21E-04	4.01E-04	1.66E-05	1.33E-05	5.52E-04	1.10E-04	4.33E-10	2.22E-07	3.63E-07	1.11E-04	1.40E-04	4.01E-04	1.66E-05	1.33E-05	5.71E-04
5641	481579.42	3851906.48	0.03083	0.0136	0.0026	0.0043	1.25E-04	4.06E-04	1.68E-05	1.36E-05	5.61E-04	1.13E-04	4.38E-10	2.25E-07	3.70E-07	1.14E-04	1.44E-04	4.06E-04	1.68E-05	1.36E-05	5.80E-04
5642	481646.32	3851976.34	0.03166	0.0138	0.0027	0.00438	1.28E-04	4.12E-04	1.70E-05	1.38E-05	5.71E-04	1.16E-04	4.45E-10	2.27E-07	3.77E-07	1.17E-04	1.48E-04	4.12E-04	1.70E-05	1.38E-05	5.91E-04
5643	481713.22	3852046.2	0.03258	0.01387	0.0027	0.00447	1.32E-04	4.14E-04	1.72E-05	1.41E-05	5.77E-04	1.20E-04	4.47E-10	2.29E-07	3.85E-07	1.20E-04	1.52E-04	4.14E-04	1.72E-05	1.41E-05	5.97E-04
5644	481780.12	3852116.06	0.03346	0.01417	0.0027	0.00456	1.35E-04	4.23E-04	1.73E-05	1.44E-05	5.90E-04	1.23E-04	4.57E-10	2.31E-07	3.93E-07	1.24E-04	1.56E-04	4.23E-04	1.73E-05	1.44E-05	6.11E-04
5645	481847.03	3852185.92	0.03435	0.0146	0.0028	0.00465	1.39E-04	4.36E-04	1.75E-05	1.47E-05	6.07E-04	1.26E-04	4.71E-10	2.34E-07	4.00E-07	1.27E-04	1.61E-04	4.36E-04	1.75E-05	1.47E-05	6.28E-04
5646	481913.93	3852255.78	0.03525	0.01508	0.0028	0.00475	1.42E-04	4.50E-04	1.78E-05	1.50E-05	6.25E-04	1.30E-04	4.86E-10	2.37E-07	4.09E-07	1.30E-04	1.65E-04	4.50E-04	1.78E-05	1.50E-05	6.48E-04
5647	481980.83	3852325.65	0.03614	0.01565	0.0028	0.00485	1.46E-04	4.67E-04	1.81E-05	1.53E-05	6.46E-04	1.33E-04	5.04E-10	2.41E-07	4.18E-07	1.34E-04	1.69E-04	4.67E-04	1.81E-05	1.53E-05	6.69E-04
5648	482047.73	3852395.51	0.03716	0.01609	0.0029	0.00497	1.50E-04	4.80E-04	1.82E-05	1.57E-05	6.64E-04	1.37E-04	5.19E-10	2.43E-07	4.28E-07	1.37E-04	1.74E-04	4.80E-04	1.82E-05	1.57E-05	6.88E-04
5649	482114.64	3852465.37	0.03813	0.01666	0.0029	0.0051	1.54E-04	4.97E-04	1.85E-05	1.61E-05	6.86E-04	1.40E-04	5.37E-10	2.47E-07	4.39E-07	1.41E-04	1.78E-04	4.97E-04	1.85E-05	1.61E-05	7.10E-04
5650	482181.54	3852535.23	0.03935	0.01705	0.0029	0.00524	1.59E-04	5.09E-04	1.87E-05	1.65E-05	7.03E-04	1.45E-04	5.50E-10	2.49E-07	4.51E-07	1.45E-04	1.84E-04	5.09E-04	1.87E-05	1.65E-05	7.28E-04
5651	482338.69	3852700.04	0.04229	0.01829	0.003	0.00564	1.71E-04	5.46E-04	1.93E-05	1.78E-05	7.54E-04	1.55E-04	5.89E-10	2.57E-07	4.86E-07	1.56E-04	1.98E-04	5.46E-04	1.93E-05	1.78E-05	7.80E-04
5652	482404.05	3852767.78	0.04365	0.01886	0.0031	0.00582	1.76E-04	5.63E-04	1.95E-05	1.84E-05	7.77E-04	1.60E-04	6.08E-10	2.59E-07	5.01E-07	1.61E-04	2.04E-04	5.63E-04	1.95E-05	1.84E-05	8.05E-04
5653	482469.4	3852835.52	0.04508	0.01945	0.0031	0.00601	1.82E-04	5.80E-04	1.97E-05	1.90E-05	8.01E-04	1.66E-04	6.27E-10	2.63E-07	5.18E-07	1.67E-04	2.11E-04	5.80E-04	1.97E-05	1.90E-05	8.30E-04
5654	482534.75	3852903.25	0.04671	0.01994	0.0031	0.00619	1.89E-04	5.95E-04	1.99E-05	1.95E-05	8.23E-04	1.72E-04	6.43E-10	2.65E-07	5.33E-07	1.73E-04	2.18E-04	5.95E-04	1.99E-05	1.95E-05	8.53E-04
5655	482600.11	3852970.98	0.04833	0.02051	0.0032	0.00638	1.95E-04	6.12E-04	2.02E-05	2.01E-05	8.48E-04	1.78E-04	6.61E-10	2.69E-07	5.49E-07	1.79E-04	2.26E-04	6.12E-04	2.02E-05	2.01E-05	8.78E-04
5656	482706.71	3853119.28	0.05149	0.02166	0.0032	0.0068	2.08E-04	6.46E-04	2.07E-05	2.15E-05	8.96E-04	1.89E-04	6.98E-10	2.76E-07	5.86E-07	1.90E-04	2.41E-04	6.46E-04	2.07E-05	2.15E-05	9.29E-04
5657	482747.96	3853199.84	0.05255	0.02255	0.0033	0.00704	2.12E-04	6.73E-04	2.10E-05	2.22E-05	9.28E-04	1.93E-04	7.27E-10	2.80E-07	6.06E-07	1.94E-04	2.46E-04	6.73E-04	2.10E-05	2.22E-05	9.62E-04
5658	482789.21	3853280.4	0.05347	0.02355	0.0034	0.0073	2.16E-04	7.03E-04	2.14E-05	2.30E-05	9.63E-04	1.97E-04	7.59E-10	2.85E-07	6.29E-07	1.97E-04	2.50E-04	7.03E-04	2.14E-05	2.30E-05	9.97E-04
5659	482830.46	3853360.96	0.05443	0.02449	0.0034	0.00758	2.20E-04	7.31E-04	2.17E-05	2.39E-05	9.96E-04	2.00E-04	7.89E-10	2.89E-07	6.53E-07	2.01E-04	2.55E-04	7.31E-04	2.17E-05	2.39E-05	1.03E-03
5660	482871.71	3853441.52	0.05539	0.02545	0.0035	0.00788	2.24E-04	7.59E-04	2.20E-05	2.49E-05	1.03E-03	2.04E-04	8.20E-10	2.93E-07	6.79E-07	2.05E-04	2.59E-04	7.59E-04	2.20E-05	2.49E-05	1.07E-03
5661	482912.95	3853522.07	0.05673	0.02612	0.0035	0.0082	2.29E-04	7.79E-04	2.23E-05	2.59E-05	1.06E-03	2.09E-04	8.42E-10	2.98E-07	7.06E-07	2.10E-04	2.65E-04	7.79E-04	2.23E-05	2.59E-05	1.09E-03
5662	482954.2	3853602.63	0.05819	0.0268	0.0036	0.00855	2.35E-04	8.00E-04	2.26E-05	2.70E-05	1.08E-03	2.14E-04	8.64E-10	3.02E-07	7.36E-07	2.15E-04	2.72E-04	8.00E-04	2.26E-05	2.70E-05	1.12E-03
5663	482995.45	3853683.19	0.06003	0.02733	0.0036	0.00894	2.43E-04	8.15E-04	2.29E-05	2.82E-05	1.11E-03	2.21E-04	8.81E-10	3.05E-07	7.70E-07	2.22E-04	2.81E-04	8.15E-04	2.29E-05	2.82E-05	1.15E-03
5664	483036.7	3853763.75	0.06226	0.02783	0.0036	0.00938	2.52E-04	8.30E-04	2.32E-05	2.96E-05	1.13E-03	2.29E-04	8.97E-10	3.10E-07	8.08E-07	2.30E-04	2.91E-04	8.30E-04	2.32E-05	2.96E-05	1.17E-03
5665	483214.2	3853909.91	0.07327	0.02565	0.0037	0.01027	2.96E-04	7.65E-04	2.38E-05	3.24E-05	1.12E-03	2.69E-04	8.27E-10	3.17E-07	8.84E-07	2.71E-04	3.43E-04	7.65E-04	2.38E-05	3.24E-05	1.16E-03
5666	483307.01	3853910.44	0.07917	0.02544	0.0037	0.01029	3.20E-04	7.59E-04	2.39E-05	3.25E-05	1.14E-03	2.91E-04	8.20E-10	3.18E-07	8.86E-07	2.92E-04	3.70E-04	7.59E-04	2.39E-05	3.25E-05	1.19E-03
5667	483399.83	3853910.96	0.08607	0.02472	0.0037	0.01045	3.48E-04	7.37E-04	2.39E-05	3.30E-05	1.14E-03	3.16E-04	7.97E-10	3.18E-07	9.00E-07	3.18E-04	4.03E-04	7.37E-04	2.39E-05	3.30E-05	1.20E-03
5668	483494.52	3854009.24	0.09383	0.02585	0.0038	0.01165	3.79E-04	7.71E-04	2.44E-05	3.68E-05	1.21E-03	3.45E-04	8.33E-10	3.25E-07	1.00E-06	3.46E-04	4.39E-04	7.71E-04	2.44E-05	3.68E-05	1.27E-03
5669	483496.41	3854106.98	0.09469	0.02776	0.0039	0.01291	3.83E-04	8.28E-04	2.49E-05	4.08E-05	1.28E-03	3.48E-04	8.95E-10	3.32E-07	1.11E-06	3.50E-04	4.43E-04	8.28E-04	2.49E-05	4.08E-05	1.34E-03

5670	483577.56	3854261.96	0.10554	0.02801	0.004	0.01632	4.27E-04	8.36E-04	2.56E-05	5.15E-05	1.34E-03	3.88E-04	9.03E-10	3.41E-07	1.41E-06	3.90E-04	4.94E-04	8.36E-04	2.56E-05	5.15E-05	1.41E-03
5671	483656.83	3854319.19	0.11255	0.02746	0.0041	0.01912	4.55E-04	8.19E-04	2.59E-05	6.04E-05	1.36E-03	4.14E-04	8.85E-10	3.45E-07	1.65E-06	4.16E-04	5.26E-04	8.19E-04	2.59E-05	6.04E-05	1.43E-03
5672	483736.1	3854376.41	0.12039	0.02736	0.0041	0.02335	4.87E-04	8.16E-04	2.63E-05	7.37E-05	1.40E-03	4.43E-04	8.82E-10	3.50E-07	2.01E-06	4.45E-04	5.63E-04	8.16E-04	2.63E-05	7.37E-05	1.48E-03
5673	483815.36	3854433.64	0.12813	0.02807	0.0042	0.02871	5.18E-04	8.37E-04	2.67E-05	9.06E-05	1.47E-03	4.71E-04	9.05E-10	3.55E-07	2.47E-06	4.74E-04	5.99E-04	8.37E-04	2.67E-05	9.06E-05	1.55E-03
5674	483894.63	3854490.87	0.13429	0.0295	0.0042	0.03524	5.43E-04	8.80E-04	2.70E-05	1.11E-04	1.56E-03	4.94E-04	9.51E-10	3.61E-07	3.03E-06	4.97E-04	6.28E-04	8.80E-04	2.70E-05	1.11E-04	1.65E-03
5675	483973.9	3854548.1	0.13882	0.03189	0.0043	0.04146	5.61E-04	9.51E-04	2.74E-05	1.31E-04	1.67E-03	5.10E-04	1.03E-09	3.66E-07	3.57E-06	5.14E-04	6.49E-04	9.51E-04	2.74E-05	1.31E-04	1.76E-03
5676	484053.17	3854605.32	0.14596	0.03562	0.0044	0.04573	5.90E-04	1.06E-03	2.79E-05	1.44E-04	1.82E-03	5.37E-04	1.15E-09	3.72E-07	3.94E-06	5.41E-04	6.83E-04	1.06E-03	2.79E-05	1.44E-04	1.92E-03
5677	484214.97	3854698.15	0.16723	0.04338	0.0045	0.04714	6.76E-04	1.29E-03	2.86E-05	1.49E-04	2.15E-03	6.15E-04	1.40E-09	3.82E-07	4.06E-06	6.19E-04	7.82E-04	1.29E-03	2.86E-05	1.49E-04	2.25E-03
5678	484297.5	3854733.74	0.18912	0.04803	0.0045	0.04604	7.64E-04	1.43E-03	2.90E-05	1.45E-04	2.37E-03	6.95E-04	1.55E-09	3.86E-07	3.96E-06	7.00E-04	8.84E-04	1.43E-03	2.90E-05	1.45E-04	2.49E-03
5679	484380.03	3854769.34	0.20339	0.05147	0.0046	0.04433	8.22E-04	1.54E-03	2.93E-05	1.40E-04	2.53E-03	7.48E-04	1.66E-09	3.91E-07	3.82E-06	7.52E-04	9.51E-04	1.54E-03	2.93E-05	1.40E-04	2.66E-03
5680	484462.56	3854804.94	0.22929	0.05638	0.0047	0.04211	9.27E-04	1.68E-03	2.97E-05	1.33E-04	2.77E-03	8.43E-04	1.82E-09	3.95E-07	3.63E-06	8.47E-04	1.07E-03	1.68E-03	2.97E-05	1.33E-04	2.92E-03
5681	484545.09	3854840.53	0.24597	0.05925	0.0047	0.03983	9.94E-04	1.77E-03	3.00E-05	1.26E-04	2.92E-03	9.04E-04	1.91E-09	4.01E-07	3.43E-06	9.08E-04	1.15E-03	1.77E-03	3.00E-05	1.26E-04	3.07E-03
5682	484691.88	3854912.58	0.32231	0.06869	0.0048	0.03517	1.30E-03	2.05E-03	3.08E-05	1.11E-04	3.49E-03	1.18E-03	2.21E-09	4.11E-07	3.03E-06	1.19E-03	1.51E-03	2.05E-03	3.08E-05	1.11E-04	3.70E-03
5683	484830.81	3855012.51	0.68059	0.08036	0.005	0.03334	2.75E-03	2.40E-03	3.18E-05	1.05E-04	5.29E-03	2.50E-03	2.59E-09	4.24E-07	2.87E-06	2.51E-03	3.18E-03	2.40E-03	3.18E-05	1.05E-04	5.72E-03
5684	484905.48	3855075.97	1.69591	0.0912	0.0051	0.03385	6.86E-03	2.72E-03	3.25E-05	1.07E-04	9.72E-03	6.24E-03	2.94E-09	4.34E-07	2.91E-06	6.24E-03	7.93E-03	2.72E-03	3.25E-05	1.07E-04	1.08E-02
5685	484980.14	3855139.44	2.67527	0.09991	0.0052	0.03549	1.08E-02	2.98E-03	3.32E-05	1.12E-04	1.39E-02	9.84E-03	3.22E-09	4.42E-07	3.06E-06	9.84E-03	1.25E-02	2.98E-03	3.32E-05	1.12E-04	1.56E-02
5686	485054.81	3855202.91	3.30601	0.1066	0.0053	0.0378	1.34E-02	3.18E-03	3.39E-05	1.19E-04	1.67E-02	1.22E-02	3.44E-09	4.52E-07	3.25E-06	1.22E-02	1.55E-02	3.18E-03	3.39E-05	1.19E-04	1.88E-02
5687	485129.48	3855266.37	3.49452	0.10991	0.0054	0.04078	1.41E-02	3.28E-03	3.47E-05	1.29E-04	1.76E-02	1.28E-02	3.54E-09	4.63E-07	3.51E-06	1.29E-02	1.63E-02	3.28E-03	3.47E-05	1.29E-04	1.98E-02
5688	485204.15	3855329.84	4.01799	0.11925	0.0056	0.04528	1.62E-02	3.56E-03	3.55E-05	1.43E-04	2.00E-02	1.48E-02	3.84E-09	4.74E-07	3.90E-06	1.48E-02	1.88E-02	3.56E-03	3.55E-05	1.43E-04	2.25E-02
5689	485278.82	3855393.31	4.21573	0.12535	0.0057	0.05085	1.70E-02	3.74E-03	3.64E-05	1.61E-04	2.10E-02	1.55E-02	4.04E-09	4.85E-07	4.38E-06	1.55E-02	1.97E-02	3.74E-03	3.64E-05	1.61E-04	2.37E-02
5690	485353.48	3855456.77	4.50685	0.13363	0.0058	0.05645	1.82E-02	3.99E-03	3.73E-05	1.78E-04	2.24E-02	1.66E-02	4.31E-09	4.97E-07	4.86E-06	1.66E-02	2.11E-02	3.99E-03	3.73E-05	1.78E-04	2.53E-02
5691	485428.15	3855520.24	4.60847	0.13992	0.006	0.06202	1.86E-02	4.17E-03	3.82E-05	1.96E-04	2.30E-02	1.69E-02	4.51E-09	5.09E-07	5.34E-06	1.69E-02	2.16E-02	4.17E-03	3.82E-05	1.96E-04	2.60E-02
5692	485502.82	3855583.71	4.72036	0.14696	0.0062	0.06743	1.91E-02	4.38E-03	3.92E-05	2.13E-04	2.37E-02	1.74E-02	4.74E-09	5.23E-07	5.81E-06	1.74E-02	2.21E-02	4.38E-03	3.92E-05	2.13E-04	2.67E-02
5693	485577.49	3855647.17	5.02482	0.15805	0.0063	0.07264	2.03E-02	4.72E-03	4.03E-05	2.29E-04	2.53E-02	1.85E-02	5.09E-09	5.37E-07	6.26E-06	1.85E-02	2.35E-02	4.72E-03	4.03E-05	2.29E-04	2.85E-02
5694	485652.16	3855710.64	5.28856	0.1701	0.0065	0.07789	2.14E-02	5.07E-03	4.15E-05	2.46E-04	2.67E-02	1.94E-02	5.48E-09	5.53E-07	6.71E-06	1.95E-02	2.47E-02	5.07E-03	4.15E-05	2.46E-04	3.01E-02
5695	485726.83	3855774.1	5.4439	0.17876	0.0067	0.08325	2.20E-02	5.33E-03	4.27E-05	2.63E-04	2.76E-02	2.00E-02	5.76E-09	5.69E-07	7.17E-06	2.00E-02	2.55E-02	5.33E-03	4.27E-05	2.63E-04	3.11E-02
5696	485801.49	3855837.57	5.31842	0.18523	0.0069	0.08788	2.15E-02	5.53E-03	4.39E-05	2.77E-04	2.73E-02	1.96E-02	5.97E-09	5.86E-07	7.57E-06	1.96E-02	2.49E-02	5.53E-03	4.39E-05	2.77E-04	3.07E-02
5697	485876.16	3855901.04	5.44873	0.19409	0.0071	0.09112	2.20E-02	5.79E-03	4.54E-05	2.88E-04	2.81E-02	2.00E-02	6.26E-09	6.05E-07	7.85E-06	2.00E-02	2.55E-02	5.79E-03	4.54E-05	2.88E-04	3.16E-02
5698	485950.83	3855964.5	5.32791	0.20112	0.0074	0.0931	2.15E-02	6.00E-03	4.69E-05	2.94E-04	2.79E-02	1.96E-02	6.48E-09	6.25E-07	8.02E-06	1.96E-02	2.49E-02	6.00E-03	4.69E-05	2.94E-04	3.13E-02
5699	486025.5	3856027.97	5.19575	0.20524	0.0076	0.0931	2.10E-02	6.12E-03	4.85E-05	2.94E-04	2.75E-02	1.91E-02	6.62E-09	6.47E-07	8.02E-06	1.91E-02	2.43E-02	6.12E-03	4.85E-05	2.94E-04	3.08E-02
5700	486100.17	3856091.44	5.50353	0.22128	0.0079	0.09084	2.22E-02	6.60E-03	5.03E-05	2.87E-04	2.92E-02	2.02E-02	7.13E-09	6.70E-07	7.82E-06	2.02E-02	2.57E-02	6.60E-03	5.03E-05	2.87E-04	3.27E-02
5701	486174.83	3856154.9	5.27603	0.22296	0.0082	0.08791	2.13E-02	6.65E-03	5.22E-05	2.78E-04	2.83E-02	1.94E-02	7.19E-09	6.97E-07	7.57E-06	1.94E-02	2.47E-02	6.65E-03	5.22E-05	2.78E-04	3.17E-02
5702	486249.5	3856218.37	4.80359	0.21723	0.0085	0.08447	1.94E-02	6.48E-03	5.45E-05	2.67E-04	2.62E-02	1.77E-02	7.00E-09	7.26E-07	7.27E-06	1.77E-02	2.25E-02	6.48E-03	5.45E-05	2.67E-04	2.93E-02
5703	486324.17	3856281.84	4.40951	0.21436	0.0089	0.08074	1.78E-02	6.40E-03	5.70E-05	2.55E-04	2.45E-02	1.62E-02	6.91E-09	7.60E-07	6.95E-06	1.62E-02	2.06E-02	6.40E-03	5.70E-05	2.55E-04	2.73E-02
5704	486398.84	3856345.3	4.52437	0.22282	0.0093	0.07632	1.83E-02	6.65E-03	5.95E-05	2.41E-04	2.52E-02	1.66E-02	7.18E-09	7.93E-07	6.57E-06	1.66E-02	2.12E-02	6.65E-03	5.95E-05	2.41E-04	2.81E-02
5705	486473.51	3856408.77	4.51014	0.22773	0.0098	0.07153	1.82E-02	6.79E-03	6.24E-05	2.26E-04	2.53E-02	1.66E-02	7.34E-09	8.32E-07	6.16E-06	1.66E-02	2.11E-02	6.79E-03	6.24E-05	2.26E-04	2.82E-02
5706	486548.17	3856472.24	4.64481	0.23588	0.0103	0.06614	1.88E-02	7.04E-03	6.54E-05	2.09E-04	2.61E-02	1.71E-02	7.60E-09	8.73E-07	5.70E-06	1.71E-02	2.17E-02	7.04E-03	6.54E-05	2.09E-04	2.90E-02
5707	486622.84	3856535.7	4.78632	0.24394	0.0108	0.06046	1.93E-02	7.28E-03	6.88E-05	1.91E-04	2.69E-02	1.76E-02	7.86E-09	9.18E-07	5.21E-06	1.76E-02	2.24E-02	7.28E-03	6.88E-05	1.91E-04	2.99E-02
5708	486765.48	3856659.69	5.15387	0.26188	0.012	0.04989	2.08E-02	7.81E-03	7.64E-05	1.58E-04	2.89E-02	1.89E-02	8.44E-09	1.02E-06	4.30E-06	1.90E-02	2.41E-02	7.81E-03	7.64E-05	1.58E-04	3.21E-02
5709	486833.44	3856720.2	5.32299	0.26819	0.0127	0.04557	2.15E-02	8.00E-03	8.08E-05	1.44E-04	2.97E-02	1.96E-02	8.64E-09	1.08E-06	3.92E-06	1.96E-02	2.49E-02	8.00E-03	8.08E-05	1.44E-04	3.31E-02
5710	486901.41	3856780.72	5.40448	0.27604	0.0134	0.04179	2.18E-02	8.24E-03	8.57E-05	1.32E-04	3.03E-02	1.99E-02	8.90E-09	1.14E-06	3.60E-06	1.99E-02	2.53E-02	8.24E-03	8.57E-05	1.32E-04	3.37E-02
5711	486969.38	3856841.24	5.43395	0.28171	0.0143	0.03859	2.20E-02	8.40E-03	9.13E-05	1.22E-04	3.06E-02	2.00E-02	9.08E-09	1.22E-06	3.32E-06	2.00E-02	2.54E-02	8.40E-03	9.13E-05	1.22E-04	3.40E-02
5712	487037.34	3856901.75	5.41567	0.28632	0.0154	0.03587	2.19E-02	8.54E-03	9.79E-05	1.13E-04	3.06E-02	1.99E-02	9.23E-09	1.31E-06	3.09E-06	1.99E-02	2.53E-02	8.54E-03	9.79E-05	1.13E-04	3.41E-02
5713	487271.23	3856855.51	3.07217	0.2629	0.0173	0.03474	1.24E-02	7.84E-03	1.10E-04	1.10E-04	2.05E-02	1.13E-02	8.47E-09	1.47E-06	2.99E-06	1.13E-02	1.44E-02	7.84E-03	1.10E-04	1.10E-04	2.24E-02
5714	487368.96	3856857.29	2.67613	0.25684	0.0189	0.03387	1.08E-02	7.66E-03	1.21E-04	1.07E-04	1.87E-02	9.84E-03	8.28E-09	1.61E-06	2.92E-06	9.84E-03	1.25E-02	7.66E-03	1.21E-04	1.07E-04	2.04E-02
5715	487466.68	3856859.06	2.35144	0.25205	0.0208	0.03308	9.51E-03	7.52E-03	1.32E-04	1.04E-04	1.73E-02	8.65E-03	8.12E-09	1.77E-06	2.85E-06	8.65E-03	1.10E-02	7.52E-03	1.32E-04	1.04E-04	1.88E-02
5716	487636.44	3856930	1.90808	0.2501	0.0257	0.03067	7.71E-03	7.46E-03	1.64E-04	9.68E-05	1.54E-02	7.02E-03	8.06E-09	2.19E-06	2.64E-06	7.02E-03	8.92E-03	7.46E-03	1.64E-04	9.68E-05	1.66E-02
5717	487709.57	3856928.43	1.74707	0.24691	0.0278	0.03033	7.06E-03	7.37E-03	1.77E-04	9.58E-05	1.47E-02	6.42E-03	7.96E-09	2.37E-06	2.61E-06	6.43E-03	8.17E-03	7.37E-03	1.77E-04	9.58E-05	1.58E-02
5718	487782.54	3856841.96	1.63974	0.23362	0.0275	0.03121	6.63E-03	6.97E-03	1.76E-04	9.85E-05	1.39E-02	6.03E-03	7.53E-09	2.34E-06	2.69E-06	6.03E-03	7.67E-03	6.97E-03	1.76E-04	9.85E-05	1.49E-02
5719	487849.83	3856754.74	1.52427	0.22142	0.0254	0.03208	6.16E-03	6.61E-03	1.62E-04	1.01E-04	1.30E-02	5.60E-03	7.14E-09	2.16E-06	2.76E-06	5.61E-03	7.13E-03	6.61E-03	1.62E-04	1.01E-04	1.40E-02
5720	487918.03	3856819.39	1.44251	0.22688	0.026	0.03071	5.83E-03	6.77E-03	1.66E-04	9.70E-05	1.29E-02	5.30E-03	7.31E-09	2.21E-06	2.64E-06	5.31E-03	6.75E-03	6.77E-03	1.66E-04	9.70E-05	1.38E-02
5721	487918.8	3856886.37	1.42328	0.2342	0.028	0.02989	5.75E-03	6.99E-03	1.79E-04	9.44E-05	1.30E-02	5.23E-03	7.55E-09	2.38E-06	2.57E-06	5.24E-03	6.66E-03	6.99E-03	1.79E-04	9.44E-05	1.39E-02
5722	488065.47	3857127.5	1.01549	0.24663	0.0347	0.02767	4.10E-03	7.36E-03	2.21E-04	8.74E-05	1.18E-02	3.73E-03	7.95E-09	2.95E-06	2.38E-06	3.74E-03	4.75E-03	7.36E-03	2.21E-04	8.74E-05	1.24E-02
5723	488192.19	3857385.83	0.62498	0.26965	0.0562	0.02894	2.53E-03	8.04E-03	3.59E-04	9.14E-05	1.10E-02	2.30E-03	8.69E-09	4.78E-06	2.49E-06	2.31E-03	2.92E-03	8.04E-03	3.59E-04	9.14E-05	1.14E-02
5724	488191.22	3857473.87	0.53447	0.28212	0.0699	0.0305	2.16E-03	8.42E-03	4.46E-04	9.63E-05	1.11E-02	1.96E-03	9.09E-09	5.94E-06	2.63E-06	1.97E-03	2.50E-03	8.42E-03	4.46E-04	9.63E-05	1.15E-02
5725	488190.24	3857561.9	0.4564	0.29618	0.0898	0.03265	1.84E-03	8.84E-03	5.73E-04	1.03E-04	1.14E-02	1.68E-03	9.55E-09	7.64E-06	2.81E-06	1.69E-03	2.13E-03	8.84E-03	5.73E-04	1.03E-04	1.16E-02
5726	488158.35	3857691.13	0.36384	0.32075	0.1395	0.03689	1.47E-03	9.57E-03	8.90E-04	1.16E-04	1.20E-02	1.34E-03	1.03E-08	1.19E-05	3.18E-06	1.35E-03	1.70E-03	9.57E-03	8.90E-04	1.16E-04	1.23E-02
5727	488208.37	3857816.66	0.29415	0.34579	0.4315	0.04219	1.19E-03	1.03E-02	2.75E-03	1.33E-04	1.44E-02	1.08E-03	1.11E-08	3.67E-05	3.63E-06	1.12E-03	1.38E-03	1.03E-02	2.75E-03	1.33E-04	1.46E-02
5728	488271.97	3857874.6	0.26914	0.35682	1.959	0.04498	1.09E-03	1.06E-02	1.25E-02	1.42E-04	2.44E-02	9.89E-04	1.15E-08	1.67E-04	3.87E-06	1.16E-03	1.26E-03	1.06E-02	1.25E-02	1.42E-04	2.45E-02
5729	488463.56	3857942.31	0.24501	0.36308	3.0987	0.04785	9.90E-04	1.08E-02	1.98E-02	1.51E-04	3.17E-02	9.01E-04	1.17E-08	2.64E-04	4.12E-06	1.17E-03	1.15E-03	1.08E-02	1.98E-02	1.51E-04	3.19E-02
5730	488554.83	3857940.83	0.24681	0.35539	2.3848	0.04719	9.98E-04	1.06E-02	1.52E-02	1.49E-04	2.70E-02	9.07E-04	1.15E-08	2.03E-04	4.06E-06	1.11E-03	1.15E-03	1.06E-02	1.52E-02	1.49E-04	2.71E-02

5731	488646.1	3857939.36	0.2484	0.34765	1.8703	0.04649	1.00E-03	1.04E-02	1.19E-02	1.47E-04	2.35E-02	9.13E-04	1.12E-08	1.59E-04	4.00E-06	1.08E-03	1.16E-03	1.04E-02	1.19E-02	1.47E-04	2.36E-02
5732	488737.37	3857937.88	0.24962	0.34003	1.5018	0.04576	1.01E-03	1.01E-02	9.58E-03	1.44E-04	2.09E-02	9.18E-04	1.10E-08	1.28E-04	3.94E-06	1.05E-03	1.17E-03	1.01E-02	9.58E-03	1.44E-04	2.10E-02
5733	488733.59	3857960.57	0.24252	0.34538	1.4682	0.04683	9.80E-04	1.03E-02	9.36E-03	1.48E-04	2.08E-02	8.92E-04	1.11E-08	1.25E-04	4.03E-06	1.02E-03	1.13E-03	1.03E-02	9.36E-03	1.48E-04	2.10E-02
5734	488638.09	3857961.57	0.24103	0.35359	1.8574	0.04768	9.74E-04	1.05E-02	1.18E-02	1.51E-04	2.35E-02	8.86E-04	1.14E-08	1.58E-04	4.11E-06	1.05E-03	1.13E-03	1.05E-02	1.18E-02	1.51E-04	2.37E-02
5735	488542.6	3857962.56	0.23917	0.36221	2.4224	0.04851	9.67E-04	1.08E-02	1.55E-02	1.53E-04	2.74E-02	8.79E-04	1.17E-08	2.06E-04	4.18E-06	1.09E-03	1.12E-03	1.08E-02	1.55E-02	1.53E-04	2.75E-02
5736	488447.1	3857963.56	0.23749	0.37029	3.2551	0.04926	9.60E-04	1.10E-02	2.08E-02	1.56E-04	3.29E-02	8.73E-04	1.19E-08	2.77E-04	4.24E-06	1.15E-03	1.11E-03	1.10E-02	2.08E-02	1.56E-04	3.31E-02
5737	488254.28	3857890.36	0.26259	0.36256	2.1997	0.046	1.06E-03	1.08E-02	1.40E-02	1.45E-04	2.61E-02	9.65E-04	1.17E-08	1.87E-04	3.96E-06	1.16E-03	1.23E-03	1.08E-02	1.40E-02	1.45E-04	2.62E-02
5738	488191.69	3857833.06	0.28661	0.35038	0.4403	0.04311	1.16E-03	1.05E-02	2.81E-03	1.36E-04	1.46E-02	1.05E-03	1.13E-08	3.74E-05	3.71E-06	1.09E-03	1.34E-03	1.05E-02	2.81E-03	1.36E-04	1.47E-02
5739	488129.5	3857907.43	0.25672	0.37648	0.4758	0.04787	1.04E-03	1.12E-02	3.03E-03	1.51E-04	1.55E-02	9.44E-04	1.21E-08	4.05E-05	4.12E-06	9.88E-04	1.20E-03	1.12E-02	3.03E-03	1.51E-04	1.56E-02
5740	488196.47	3857968.73	0.23613	0.39095	4.2282	0.05163	9.54E-04	1.17E-02	2.70E-02	1.63E-04	3.98E-02	8.68E-04	1.26E-08	3.60E-04	4.45E-06	1.23E-03	1.10E-03	1.17E-02	2.70E-02	1.63E-04	3.99E-02
5741	488263.44	3858030.04	0.21868	0.4049	4.2261	0.05566	8.84E-04	1.21E-02	2.70E-02	1.76E-04	4.01E-02	8.04E-04	1.31E-08	3.59E-04	4.79E-06	1.17E-03	1.02E-03	1.21E-02	2.70E-02	1.76E-04	4.02E-02
5742	488400.64	3858132.9	0.19358	0.42708	1.1082	0.06176	7.82E-04	1.27E-02	7.07E-03	1.95E-04	2.08E-02	7.12E-04	1.38E-08	9.42E-05	5.32E-06	8.11E-04	9.05E-04	1.27E-02	7.07E-03	1.95E-04	2.09E-02
5743	488519.89	3858218.38	0.17452	0.45164	0.4968	0.06494	7.05E-04	1.35E-02	3.17E-03	2.05E-04	1.76E-02	6.42E-04	1.46E-08	4.23E-05	5.59E-06	6.89E-04	8.16E-04	1.35E-02	3.17E-03	2.05E-04	1.77E-02
5744	488647.97	3858214.99	0.17437	0.43197	0.4881	0.06084	7.05E-04	1.29E-02	3.11E-03	1.92E-04	1.69E-02	6.41E-04	1.39E-08	4.15E-05	5.24E-06	6.88E-04	8.15E-04	1.29E-02	3.11E-03	1.92E-04	1.70E-02
5745	488727.05	3858167.67	0.18499	0.40552	0.5952	0.05647	7.48E-04	1.21E-02	3.80E-03	1.78E-04	1.68E-02	6.80E-04	1.31E-08	5.06E-05	4.86E-06	7.36E-04	8.65E-04	1.21E-02	3.80E-03	1.78E-04	1.69E-02
5746	488806.12	3858120.35	0.19795	0.38187	0.6931	0.05276	8.00E-04	1.14E-02	4.42E-03	1.67E-04	1.68E-02	7.28E-04	1.23E-08	5.89E-05	4.54E-06	7.91E-04	9.26E-04	1.14E-02	4.42E-03	1.67E-04	1.69E-02
5747	488885.2	3858073.03	0.21178	0.36087	0.7631	0.0496	8.56E-04	1.08E-02	4.87E-03	1.57E-04	1.66E-02	7.79E-04	1.16E-08	6.49E-05	4.27E-06	8.48E-04	9.90E-04	1.08E-02	4.87E-03	1.57E-04	1.68E-02
5748	489055.76	3857991.17	0.23505	0.32606	0.7468	0.04474	9.50E-04	9.73E-03	4.76E-03	1.41E-04	1.56E-02	8.64E-04	1.05E-08	6.35E-05	3.85E-06	9.32E-04	1.10E-03	9.73E-03	4.76E-03	1.41E-04	1.57E-02
5749	489245.39	3857944.54	0.24618	0.29958	0.6143	0.04158	9.95E-04	8.94E-03	3.92E-03	1.31E-04	1.40E-02	9.05E-04	9.66E-09	5.22E-05	3.58E-06	9.61E-04	1.15E-03	8.94E-03	3.92E-03	1.31E-04	1.41E-02
5750	489430.63	3857930.91	0.2455	0.28411	0.5009	0.0398	9.92E-04	8.48E-03	3.20E-03	1.26E-04	1.28E-02	9.03E-04	9.16E-09	4.26E-05	3.43E-06	9.49E-04	1.15E-03	8.48E-03	3.20E-03	1.26E-04	1.29E-02
5751	489517.74	3857929.36	0.24357	0.27822	0.458	0.03923	9.85E-04	8.30E-03	2.92E-03	1.24E-04	1.23E-02	8.95E-04	8.97E-09	3.90E-05	3.38E-06	9.38E-04	1.14E-03	8.30E-03	2.92E-03	1.24E-04	1.25E-02
5752	489604.85	3857927.82	0.24161	0.27206	0.4215	0.03873	9.77E-04	8.12E-03	2.69E-03	1.22E-04	1.19E-02	8.88E-04	8.77E-09	3.58E-05	3.34E-06	9.27E-04	1.13E-03	8.12E-03	2.69E-03	1.22E-04	1.21E-02
5753	489691.97	3857926.28	0.23916	0.26703	0.3905	0.03831	9.67E-04	7.97E-03	2.49E-03	1.21E-04	1.15E-02	8.79E-04	8.61E-09	3.32E-05	3.30E-06	9.16E-04	1.12E-03	7.97E-03	2.49E-03	1.21E-04	1.17E-02
5754	489779.08	3857924.73	0.23667	0.26177	0.3637	0.03796	9.57E-04	7.81E-03	2.32E-03	1.20E-04	1.12E-02	8.70E-04	8.44E-09	3.09E-05	3.27E-06	9.04E-04	1.11E-03	7.81E-03	2.32E-03	1.20E-04	1.14E-02
5755	490017.54	3857875.08	0.23784	0.24085	0.3174	0.0365	9.61E-04	7.19E-03	2.02E-03	1.15E-04	1.03E-02	8.74E-04	7.76E-09	2.70E-05	3.14E-06	9.05E-04	1.11E-03	7.19E-03	2.02E-03	1.15E-04	1.04E-02
5756	490033.82	3857960.81	0.22161	0.25406	0.2911	0.03812	8.96E-04	7.58E-03	1.86E-03	1.20E-04	1.05E-02	8.15E-04	8.19E-09	2.48E-05	3.28E-06	8.43E-04	1.04E-03	7.58E-03	1.86E-03	1.20E-04	1.06E-02
5757	489959.15	3857987.49	0.21888	0.26391	0.297	0.03881	8.85E-04	7.87E-03	1.89E-03	1.23E-04	1.08E-02	8.05E-04	8.51E-09	2.53E-05	3.34E-06	8.33E-04	1.02E-03	7.87E-03	1.89E-03	1.23E-04	1.09E-02
5758	489791.49	3858016.12	0.21929	0.27537	0.3215	0.03988	8.86E-04	8.22E-03	2.05E-03	1.26E-04	1.13E-02	8.06E-04	8.88E-09	2.73E-05	3.43E-06	8.37E-04	1.03E-03	8.22E-03	2.05E-03	1.26E-04	1.14E-02
5759	489698.51	3858018.07	0.22116	0.28166	0.3447	0.04027	8.94E-04	8.40E-03	2.20E-03	1.27E-04	1.16E-02	8.13E-04	9.08E-09	2.93E-05	3.47E-06	8.46E-04	1.03E-03	8.40E-03	2.20E-03	1.27E-04	1.18E-02
5760	489605.52	3858020.02	0.22279	0.28821	0.3716	0.04075	9.01E-04	8.60E-03	2.37E-03	1.29E-04	1.20E-02	8.19E-04	9.29E-09	3.16E-05	3.51E-06	8.54E-04	1.04E-03	8.60E-03	2.37E-03	1.29E-04	1.21E-02
5761	489512.53	3858021.96	0.2241	0.29502	0.403	0.04133	9.06E-04	8.80E-03	2.57E-03	1.30E-04	1.24E-02	8.24E-04	9.51E-09	3.43E-05	3.56E-06	8.62E-04	1.05E-03	8.80E-03	2.57E-03	1.30E-04	1.26E-02
5762	489419.55	3858023.91	0.22487	0.30276	0.4405	0.04202	9.09E-04	9.03E-03	2.81E-03	1.33E-04	1.29E-02	8.27E-04	9.76E-09	3.75E-05	3.62E-06	8.68E-04	1.05E-03	9.03E-03	2.81E-03	1.33E-04	1.30E-02
5763	489228.47	3858041.29	0.22364	0.31858	0.5228	0.04418	9.04E-04	9.50E-03	3.33E-03	1.39E-04	1.39E-02	8.22E-04	1.03E-08	4.45E-05	3.80E-06	8.70E-04	1.05E-03	9.50E-03	3.33E-03	1.39E-04	1.40E-02
5764	489065.75	3858085.78	0.21176	0.34513	0.5664	0.04752	8.56E-04	1.03E-02	3.61E-03	1.50E-04	1.49E-02	7.79E-04	1.11E-08	4.82E-05	4.09E-06	8.31E-04	9.90E-04	1.03E-02	3.61E-03	1.50E-04	1.50E-02
5765	489001.12	3858114.86	0.20379	0.35849	0.5538	0.04938	8.24E-04	1.07E-02	3.53E-03	1.56E-04	1.52E-02	7.49E-04	1.16E-08	4.71E-05	4.25E-06	8.01E-04	9.53E-04	1.07E-02	3.53E-03	1.56E-04	1.53E-02
5766	488861.89	3858189.81	0.18364	0.39256	0.4676	0.05448	7.42E-04	1.17E-02	2.98E-03	1.72E-04	1.56E-02	6.75E-04	1.27E-08	3.98E-05	4.69E-06	7.20E-04	8.59E-04	1.17E-02	2.98E-03	1.72E-04	1.57E-02
5767	488787.28	3858235.69	0.17207	0.41818	0.3976	0.05818	6.96E-04	1.25E-02	2.54E-03	1.84E-04	1.59E-02	6.33E-04	1.35E-08	3.38E-05	5.01E-06	6.71E-04	8.05E-04	1.25E-02	2.54E-03	1.84E-04	1.60E-02
5768	488712.68	3858281.57	0.16367	0.44308	0.3258	0.06244	6.62E-04	1.32E-02	2.08E-03	1.97E-04	1.62E-02	6.02E-04	1.43E-08	2.77E-05	5.38E-06	6.35E-04	7.65E-04	1.32E-02	2.08E-03	1.97E-04	1.63E-02
5769	488654.39	3858436.17	0.14441	0.51877	0.1163	0.07348	5.84E-04	1.55E-02	7.42E-04	2.32E-04	1.70E-02	5.31E-04	1.67E-08	9.89E-06	6.33E-06	5.47E-04	6.75E-04	1.55E-02	7.42E-04	2.32E-04	1.71E-02
5770	488726.3	3858505.26	0.13662	0.53935	0.0885	0.0737	5.52E-04	1.61E-02	5.65E-04	2.33E-04	1.74E-02	5.02E-04	1.74E-08	7.53E-06	6.35E-06	5.16E-04	6.39E-04	1.61E-02	5.65E-04	2.33E-04	1.75E-02
5771	488880.6	3858599.28	0.12634	0.57679	0.0704	0.07153	5.11E-04	1.72E-02	4.49E-04	2.26E-04	1.84E-02	4.64E-04	1.86E-08	5.99E-06	6.16E-06	4.77E-04	5.91E-04	1.72E-02	4.49E-04	2.26E-04	1.85E-02
5772	489008.06	3858714.75	0.11627	0.66789	0.0524	0.07453	4.70E-04	1.99E-02	3.34E-04	2.35E-04	2.10E-02	4.27E-04	2.15E-08	4.46E-06	6.42E-06	4.38E-04	5.44E-04	1.99E-02	3.34E-04	2.35E-04	2.10E-02
5773	489071.48	3858772.72	0.1118	0.71924	0.0464	0.07709	4.52E-04	2.15E-02	2.96E-04	2.43E-04	2.24E-02	4.11E-04	2.32E-08	3.94E-06	6.64E-06	4.22E-04	5.23E-04	2.15E-02	2.96E-04	2.43E-04	2.25E-02
5774	489244.59	3858920.19	0.10135	0.82039	0.0361	0.08793	4.10E-04	2.45E-02	2.30E-04	2.78E-04	2.54E-02	3.73E-04	2.64E-08	3.07E-06	7.57E-06	3.83E-04	4.74E-04	2.45E-02	2.30E-04	2.78E-04	2.55E-02
5775	489239.69	3858952.23	0.09987	0.86076	0.0334	0.09152	4.04E-04	2.57E-02	2.13E-04	2.89E-04	2.66E-02	3.67E-04	2.77E-08	2.84E-06	7.88E-06	3.78E-04	4.67E-04	2.57E-02	2.13E-04	2.89E-04	2.66E-02
5776	489121.67	3858854.49	0.10646	0.81137	0.0385	0.0836	4.30E-04	2.42E-02	2.46E-04	2.64E-04	2.51E-02	3.91E-04	2.62E-08	3.28E-06	7.20E-06	4.02E-04	4.98E-04	2.42E-02	2.46E-04	2.64E-04	2.52E-02
5777	489059.59	3858797.27	0.11053	0.75913	0.0427	0.07934	4.47E-04	2.26E-02	2.72E-04	2.51E-04	2.36E-02	4.06E-04	2.45E-08	3.63E-06	6.83E-06	4.17E-04	5.17E-04	2.26E-02	2.72E-04	2.51E-04	2.37E-02
5778	488997.52	3858740.04	0.11497	0.70165	0.0478	0.07641	4.65E-04	2.09E-02	3.05E-04	2.41E-04	2.19E-02	4.23E-04	2.26E-08	4.07E-06	6.58E-06	4.33E-04	5.38E-04	2.09E-02	3.05E-04	2.41E-04	2.20E-02
5779	488935.44	3858682.82	0.11954	0.64895	0.0542	0.07424	4.83E-04	1.94E-02	3.46E-04	2.34E-04	2.04E-02	4.39E-04	2.09E-08	4.61E-06	6.39E-06	4.51E-04	5.59E-04	1.94E-02	3.46E-04	2.34E-04	2.05E-02
5780	488869.17	3858848.43	0.11	0.98087	0.0306	0.08905	4.45E-04	2.93E-02	1.95E-04	2.81E-04	3.02E-02	4.04E-04	3.16E-08	2.60E-06	7.67E-06	4.15E-04	5.14E-04	2.93E-02	1.95E-04	2.81E-04	3.03E-02
5781	488932.48	3858892.69	0.10669	1.03909	0.0292	0.0921	4.31E-04	3.10E-02	1.86E-04	2.91E-04	3.19E-02	3.92E-04	3.35E-08	2.49E-06	7.93E-06	4.03E-04	4.99E-04	3.10E-02	1.86E-04	2.91E-04	3.20E-02
5782	489063.27	3858977.17	0.101	1.06676	0.0274	0.1001	4.08E-04	3.18E-02	1.75E-04	3.16E-04	3.27E-02	3.71E-04	3.44E-08	2.33E-06	8.62E-06	3.82E-04	4.72E-04	3.18E-02	1.75E-04	3.16E-04	3.28E-02
5783	489248.2	3859117.15	0.09262	0.99477	0.0244	0.11244	3.74E-04	2.97E-02	1.55E-04	3.55E-04	3.06E-02	3.41E-04	3.21E-08	2.07E-06	9.68E-06	3.52E-04	4.33E-04	2.97E-02	1.55E-04	3.55E-04	3.06E-02
5784	489296.25	3859049.22	0.09471	0.90933	0.0285	0.10066	3.83E-04	2.71E-02	1.82E-04	3.18E-04	2.80E-02	3.48E-04	2.93E-08	2.42E-06	8.67E-06	3.59E-04	4.43E-04	2.71E-02	1.82E-04	3.18E-04	2.81E-02
5785	489353.38	3858993.96	0.09633	0.82126	0.033	0.09209	3.89E-04	2.45E-02	2.10E-04	2.91E-04	2.54E-02	3.54E-04	2.65E-08	2.80E-06	7.93E-06	3.65E-04	4.50E-04	2.45E-02	2.10E-04	2.91E-04	2.55E-02
5786	489537.24	3859120.22	0.08877	0.7732	0.0288	0.09839	3.59E-04	2.31E-02	1.84E-04	3.11E-04	2.39E-02	3.26E-04	2.49E-08	2.45E-06	8.47E-06	3.37E-04	4.15E-04	2.31E-02	1.84E-04	3.11E-04	2.40E-02
5787	489726.98	3859246.04	0.08185	0.70164	0.0256	0.09796	3.31E-04	2.09E-02	1.63E-04	3.09E-04	2.17E-02	3.01E-04	2.26E-08	2.18E-06	8.44E-06	3.12E-04	3.83E-04	2.09E-02	1.63E-04	3.09E-04	2.18E-02
5788	489911.46	3859366.33	0.07622	0.62461	0.0234	0.09194	3.08E-04	1.86E-02	1.49E-04	2.90E-04	1.94E-02	2.80E-04	2.01E-08	1.99E-06	7.92E-06	2.90E-04	3.56E-04	1.86E-02	1.49E-04	2.90E-04	1.94E-02
5789	490035.3	3859430.26	0.07282	0.58832	0.0222	0.08726	2.94E-04	1.76E-02	1.41E-04	2.76E-04	1.83E-02	2.68E-04	1.90E-08	1.89E-06	7.51E-06	2.77E-04	3.41E-04	1.76E-02	1.41E-04	2.76E-04	1.83E-02
5790	490101.11	3859458.61	0.07145	0.56811	0.0218	0.0843	2.89E-04	1.69E-02	1.39E-04	2.66E-04	1.76E-02	2.63E-04	1.83E-08	1.86E-06	7.26E-06	2.72E-04	3.34E-04	1.69E-02	1.39E-04	2.66E-04	1.77E-02
5791	490312.68	3859560.3	0.06711	0.5134	0.0206	0.07431	2.71E-04	1.53E-02	1.31E-04	2.35E-04	1.60E-02	2.47E-04	1.65E-08	1.75E-06	6.40E-06	2.55E-04	3.14E-04	1.53E-02	1.31E-04	2.35E-04	1.60E-02

5792	490401.63	3859603.12	0.06551	0.49313	0.0201	0.06992	2.65E-04	1.47E-02	1.28E-04	2.21E-04	1.53E-02	2.41E-04	1.59E-08	1.71E-06	6.02E-06	2.49E-04	3.06E-04	1.47E-02	1.28E-04	2.21E-04	1.54E-02
5793	490490.57	3859645.94	0.06403	0.47391	0.0197	0.06557	2.59E-04	1.41E-02	1.26E-04	2.07E-04	1.47E-02	2.35E-04	1.53E-08	1.68E-06	5.65E-06	2.43E-04	2.99E-04	1.41E-02	1.26E-04	2.07E-04	1.48E-02
5794	490579.51	3859688.76	0.06269	0.45491	0.0194	0.06135	2.53E-04	1.36E-02	1.23E-04	1.94E-04	1.41E-02	2.30E-04	1.47E-08	1.65E-06	5.28E-06	2.37E-04	2.93E-04	1.36E-02	1.23E-04	1.94E-04	1.42E-02
5795	490668.45	3859731.58	0.06153	0.43476	0.0191	0.05735	2.49E-04	1.30E-02	1.22E-04	1.81E-04	1.35E-02	2.26E-04	1.40E-08	1.63E-06	4.94E-06	2.33E-04	2.88E-04	1.30E-02	1.22E-04	1.81E-04	1.36E-02
5796	490757.4	3859774.4	0.06009	0.42039	0.0187	0.05378	2.43E-04	1.25E-02	1.19E-04	1.70E-04	1.31E-02	2.21E-04	1.35E-08	1.59E-06	4.63E-06	2.27E-04	2.81E-04	1.25E-02	1.19E-04	1.70E-04	1.31E-02
5797	491003.53	3859861.82	0.0575	0.37967	0.0181	0.04595	2.32E-04	1.13E-02	1.15E-04	1.45E-04	1.18E-02	2.11E-04	1.22E-08	1.54E-06	3.96E-06	2.17E-04	2.69E-04	1.13E-02	1.15E-04	1.45E-04	1.19E-02
5798	491081.41	3859879.05	0.05695	0.36897	0.018	0.04413	2.30E-04	1.10E-02	1.15E-04	1.39E-04	1.15E-02	2.09E-04	1.19E-08	1.53E-06	3.80E-06	2.15E-04	2.66E-04	1.10E-02	1.15E-04	1.39E-04	1.15E-02
5799	491229.76	3859917.82	0.05579	0.34917	0.0177	0.04089	2.26E-04	1.04E-02	1.13E-04	1.29E-04	1.09E-02	2.05E-04	1.13E-08	1.50E-06	3.52E-06	2.10E-04	2.61E-04	1.04E-02	1.13E-04	1.29E-04	1.09E-02
5800	491300.22	3859939.35	0.05512	0.34014	0.0174	0.03945	2.23E-04	1.01E-02	1.11E-04	1.25E-04	1.06E-02	2.03E-04	1.10E-08	1.48E-06	3.40E-06	2.08E-04	2.58E-04	1.01E-02	1.11E-04	1.25E-04	1.06E-02
5801	491350.48	3860012.03	0.05275	0.33049	0.0163	0.03733	2.13E-04	9.86E-03	1.04E-04	1.18E-04	1.03E-02	1.94E-04	1.07E-08	1.38E-06	3.21E-06	1.99E-04	2.47E-04	9.86E-03	1.04E-04	1.18E-04	1.03E-02
5802	491406.82	3860092.56	0.05056	0.3172	0.0153	0.0348	2.04E-04	9.46E-03	9.77E-05	1.10E-04	9.88E-03	1.86E-04	1.02E-08	1.30E-06	3.00E-06	1.90E-04	2.36E-04	9.46E-03	9.77E-05	1.10E-04	9.91E-03
5803	491483.36	3860121.96	0.04994	0.30594	0.0152	0.03327	2.02E-04	9.13E-03	9.67E-05	1.05E-04	9.53E-03	1.84E-04	9.86E-09	1.29E-06	2.86E-06	1.88E-04	2.34E-04	9.13E-03	9.67E-05	1.05E-04	9.56E-03
5804	491559.91	3860151.35	0.04929	0.29508	0.015	0.03181	1.99E-04	8.80E-03	9.56E-05	1.00E-04	9.20E-03	1.81E-04	9.51E-09	1.27E-06	2.74E-06	1.85E-04	2.31E-04	8.80E-03	9.56E-05	1.00E-04	9.23E-03
5805	491711.81	3860237.76	0.04858	0.26787	0.0152	0.028	1.96E-04	7.99E-03	9.68E-05	8.84E-05	8.37E-03	1.79E-04	8.63E-09	1.29E-06	2.41E-06	1.82E-04	2.27E-04	7.99E-03	9.68E-05	8.84E-05	8.40E-03
5806	491755.2	3860319.07	0.04542	0.25818	0.0135	0.02595	1.84E-04	7.70E-03	8.63E-05	8.19E-05	8.05E-03	1.67E-04	8.32E-09	1.15E-06	2.23E-06	1.70E-04	2.12E-04	7.70E-03	8.63E-05	8.19E-05	8.08E-03
5807	491704.71	3860366.54	0.04451	0.25671	0.013	0.02516	1.80E-04	7.66E-03	8.29E-05	7.94E-05	8.00E-03	1.64E-04	8.27E-09	1.11E-06	2.17E-06	1.67E-04	2.08E-04	7.66E-03	8.29E-05	7.94E-05	8.03E-03
5808	491623.42	3860462.39	0.04283	0.25054	0.012	0.02332	1.73E-04	7.47E-03	7.68E-05	7.36E-05	7.80E-03	1.57E-04	8.08E-09	1.02E-06	2.01E-06	1.61E-04	2.00E-04	7.47E-03	7.68E-05	7.36E-05	7.83E-03
5809	491534.02	3860439.85	0.04465	0.26076	0.0127	0.02457	1.80E-04	7.78E-03	8.12E-05	7.76E-05	8.12E-03	1.64E-04	8.40E-09	1.08E-06	2.12E-06	1.67E-04	2.09E-04	7.78E-03	8.12E-05	7.76E-05	8.15E-03
5810	491313.95	3860268.17	0.04635	0.30541	0.0131	0.03003	1.87E-04	9.11E-03	8.32E-05	9.48E-05	9.48E-03	1.70E-04	9.84E-09	1.11E-06	2.59E-06	1.74E-04	2.17E-04	9.11E-03	8.32E-05	9.48E-05	9.51E-03
5811	491187.12	3860143.56	0.04936	0.33822	0.0141	0.03561	2.00E-04	1.01E-02	9.01E-05	1.12E-04	1.05E-02	1.81E-04	1.09E-08	1.20E-06	3.07E-06	1.86E-04	2.31E-04	1.01E-02	9.01E-05	1.12E-04	1.05E-02
5812	491070.43	3860075.97	0.05124	0.36157	0.0147	0.03953	2.07E-04	1.08E-02	9.38E-05	1.25E-04	1.12E-02	1.88E-04	1.17E-08	1.25E-06	3.40E-06	1.93E-04	2.40E-04	1.08E-02	9.38E-05	1.25E-04	1.12E-02
5813	490995.09	3860039.38	0.05227	0.37587	0.015	0.04176	2.11E-04	1.12E-02	9.57E-05	1.32E-04	1.17E-02	1.92E-04	1.21E-08	1.28E-06	3.60E-06	1.97E-04	2.44E-04	1.12E-02	9.57E-05	1.32E-04	1.17E-02
5814	490919.75	3860002.8	0.05335	0.39032	0.0153	0.04408	2.16E-04	1.16E-02	9.77E-05	1.39E-04	1.21E-02	1.96E-04	1.26E-08	1.30E-06	3.80E-06	2.01E-04	2.49E-04	1.16E-02	9.77E-05	1.39E-04	1.21E-02
5815	490756.81	3859894.53	0.05671	0.42129	0.0165	0.05038	2.29E-04	1.26E-02	1.05E-04	1.59E-04	1.31E-02	2.08E-04	1.36E-08	1.40E-06	4.34E-06	2.14E-04	2.65E-04	1.26E-02	1.05E-04	1.59E-04	1.31E-02
5816	490668.07	3859860.92	0.05766	0.43915	0.0167	0.05377	2.33E-04	1.31E-02	1.06E-04	1.70E-04	1.36E-02	2.12E-04	1.42E-08	1.42E-06	4.63E-06	2.18E-04	2.70E-04	1.31E-02	1.06E-04	1.70E-04	1.36E-02
5817	490579.34	3859827.3	0.05885	0.45624	0.0169	0.05734	2.38E-04	1.36E-02	1.08E-04	1.81E-04	1.41E-02	2.16E-04	1.47E-08	1.44E-06	4.94E-06	2.23E-04	2.75E-04	1.36E-02	1.08E-04	1.81E-04	1.42E-02
5818	490490.6	3859793.68	0.05992	0.47508	0.017	0.06143	2.42E-04	1.42E-02	1.09E-04	1.94E-04	1.47E-02	2.20E-04	1.53E-08	1.45E-06	5.29E-06	2.27E-04	2.80E-04	1.42E-02	1.09E-04	1.94E-04	1.48E-02
5819	490401.86	3859760.07	0.06111	0.49481	0.0172	0.06589	2.47E-04	1.48E-02	1.10E-04	2.08E-04	1.53E-02	2.25E-04	1.59E-08	1.46E-06	5.67E-06	2.32E-04	2.86E-04	1.48E-02	1.10E-04	2.08E-04	1.54E-02
5820	490313.12	3859726.45	0.0625	0.51431	0.0175	0.07067	2.53E-04	1.53E-02	1.11E-04	2.23E-04	1.59E-02	2.30E-04	1.66E-08	1.48E-06	6.09E-06	2.37E-04	2.92E-04	1.53E-02	1.11E-04	2.23E-04	1.60E-02
5821	490224.39	3859692.83	0.06404	0.53467	0.0177	0.07584	2.59E-04	1.60E-02	1.13E-04	2.39E-04	1.66E-02	2.35E-04	1.72E-08	1.51E-06	6.53E-06	2.43E-04	2.99E-04	1.60E-02	1.13E-04	2.39E-04	1.66E-02
5822	490135.65	3859659.22	0.06577	0.55426	0.018	0.08135	2.66E-04	1.65E-02	1.15E-04	2.57E-04	1.72E-02	2.42E-04	1.79E-08	1.53E-06	7.01E-06	2.50E-04	3.08E-04	1.65E-02	1.15E-04	2.57E-04	1.72E-02
5823	489918.18	3859559.23	0.07062	0.61556	0.0189	0.09659	2.85E-04	1.84E-02	1.20E-04	3.05E-04	1.91E-02	2.60E-04	1.98E-08	1.61E-06	8.32E-06	2.70E-04	3.30E-04	1.84E-02	1.20E-04	3.05E-04	1.91E-02
5824	489743.61	3859486	0.07446	0.68487	0.0192	0.10875	3.01E-04	2.04E-02	1.23E-04	3.43E-04	2.12E-02	2.74E-04	2.21E-08	1.64E-06	9.36E-06	2.85E-04	3.48E-04	2.04E-02	1.23E-04	3.43E-04	2.12E-02
5825	489660.32	3859440.27	0.07661	0.72895	0.0195	0.11361	3.10E-04	2.17E-02	1.25E-04	3.59E-04	2.25E-02	2.82E-04	2.35E-08	1.66E-06	9.78E-06	2.93E-04	3.58E-04	2.17E-02	1.25E-04	3.59E-04	2.26E-02
5826	489577.04	3859394.53	0.07886	0.77908	0.0198	0.11814	3.19E-04	2.32E-02	1.26E-04	3.73E-04	2.41E-02	2.90E-04	2.51E-08	1.68E-06	1.02E-05	3.02E-04	3.69E-04	2.32E-02	1.26E-04	3.73E-04	2.41E-02
5827	489493.75	3859348.8	0.08111	0.83782	0.0201	0.12238	3.28E-04	2.50E-02	1.28E-04	3.86E-04	2.58E-02	2.98E-04	2.70E-08	1.71E-06	1.05E-05	3.10E-04	3.79E-04	2.50E-02	1.28E-04	3.86E-04	2.59E-02
5828	489321.28	3859240.02	0.08663	0.97515	0.021	0.12641	3.50E-04	2.91E-02	1.34E-04	3.99E-04	3.00E-02	3.18E-04	3.14E-08	1.78E-06	1.09E-05	3.31E-04	4.05E-04	2.91E-02	1.34E-04	3.99E-04	3.00E-02
5829	489235.41	3859193.96	0.08937	1.04325	0.0213	0.12579	3.61E-04	3.11E-02	1.36E-04	3.97E-04	3.20E-02	3.29E-04	3.36E-08	1.81E-06	1.08E-05	3.41E-04	4.18E-04	3.11E-02	1.36E-04	3.97E-04	3.21E-02
5830	489149.54	3859147.89	0.09168	1.13886	0.0215	0.1239	3.71E-04	3.40E-02	1.37E-04	3.91E-04	3.49E-02	3.37E-04	3.67E-08	1.83E-06	1.07E-05	3.50E-04	4.29E-04	3.40E-02	1.37E-04	3.91E-04	3.49E-02
5831	489063.68	3859101.82	0.09439	1.23019	0.0218	0.12075	3.82E-04	3.67E-02	1.39E-04	3.81E-04	3.76E-02	3.47E-04	3.96E-08	1.85E-06	1.04E-05	3.59E-04	4.41E-04	3.67E-02	1.39E-04	3.81E-04	3.77E-02
5832	488977.81	3859055.75	0.0972	1.33207	0.0223	0.11586	3.93E-04	3.97E-02	1.42E-04	3.66E-04	4.06E-02	3.57E-04	4.29E-08	1.89E-06	9.98E-06	3.69E-04	4.55E-04	3.97E-02	1.42E-04	3.66E-04	4.07E-02
5833	488891.94	3859009.69	0.09955	1.49201	0.0226	0.10986	4.02E-04	4.45E-02	1.44E-04	3.47E-04	4.54E-02	3.66E-04	4.81E-08	1.92E-06	9.46E-06	3.77E-04	4.66E-04	4.45E-02	1.44E-04	3.47E-04	4.55E-02
5834	488808	3859060.73	0.09564	1.97026	0.0199	0.12132	3.87E-04	5.88E-02	1.27E-04	3.83E-04	5.97E-02	3.52E-04	6.35E-08	1.69E-06	1.04E-05	3.64E-04	4.47E-04	5.88E-02	1.27E-04	3.83E-04	5.97E-02
5835	488809.93	3859157.85	0.08927	2.06723	0.0174	0.1507	3.61E-04	6.17E-02	1.11E-04	4.76E-04	6.26E-02	3.28E-04	6.66E-08	1.48E-06	1.30E-05	3.43E-04	4.17E-04	6.17E-02	1.11E-04	4.76E-04	6.27E-02
5836	488811.85	3859254.96	0.08334	2.14592	0.0154	0.1855	3.37E-04	6.40E-02	9.80E-05	5.86E-04	6.50E-02	3.06E-04	6.92E-08	1.31E-06	1.60E-05	3.24E-04	3.90E-04	6.40E-02	9.80E-05	5.86E-04	6.51E-02
5837	488813.78	3859352.07	0.07802	2.19742	0.0137	0.20205	3.15E-04	6.56E-02	8.71E-05	6.38E-04	6.66E-02	2.87E-04	7.08E-08	1.16E-06	1.74E-05	3.05E-04	3.65E-04	6.56E-02	8.71E-05	6.38E-04	6.66E-02
5838	488815.71	3859449.19	0.07351	2.19149	0.0123	0.22273	2.97E-04	6.54E-02	7.83E-05	7.03E-04	6.65E-02	2.70E-04	7.06E-08	1.04E-06	1.92E-05	2.91E-04	3.44E-04	6.54E-02	7.83E-05	7.03E-04	6.65E-02
5839	488910.04	3859547.1	0.0698	1.43535	0.0119	0.26794	2.82E-04	4.28E-02	7.60E-05	8.46E-04	4.40E-02	2.57E-04	4.63E-08	1.01E-06	2.31E-05	2.81E-04	3.26E-04	4.28E-02	7.60E-05	8.46E-04	4.41E-02
5840	489002.45	3859547.91	0.07031	1.239	0.0128	0.24261	2.84E-04	3.70E-02	8.18E-05	7.66E-04	3.81E-02	2.58E-04	3.99E-08	1.09E-06	2.09E-05	2.81E-04	3.29E-04	3.70E-02	8.18E-05	7.66E-04	3.81E-02
5841	489094.85	3859548.71	0.07102	1.09717	0.0138	0.21729	2.87E-04	3.27E-02	8.77E-05	6.86E-04	3.38E-02	2.61E-04	3.54E-08	1.17E-06	1.87E-05	2.81E-04	3.32E-04	3.27E-02	8.77E-05	6.86E-04	3.38E-02
5842	489230.05	3859601.87	0.06969	0.92272	0.0141	0.19195	2.82E-04	2.75E-02	9.00E-05	6.06E-04	2.85E-02	2.56E-04	2.97E-08	1.20E-06	1.65E-05	2.74E-04	3.26E-04	2.75E-02	9.00E-05	6.06E-04	2.85E-02
5843	489227.52	3859680.89	0.06635	0.87927	0.0133	0.19564	2.68E-04	2.62E-02	8.46E-05	6.18E-04	2.72E-02	2.44E-04	2.83E-08	1.13E-06	1.68E-05	2.62E-04	3.10E-04	2.62E-02	8.46E-05	6.18E-04	2.72E-02
5844	489133.47	3859760.29	0.06286	0.89708	0.0116	0.21635	2.54E-04	2.68E-02	7.42E-05	6.83E-04	2.78E-02	2.31E-04	2.89E-08	9.90E-07	1.86E-05	2.51E-04	2.94E-04	2.68E-02	7.42E-05	6.83E-04	2.78E-02
5845	489041.96	3859760.67	0.06251	0.94583	0.0108	0.25032	2.53E-04	2.82E-02	6.88E-05	7.90E-04	2.93E-02	2.30E-04	3.05E-08	9.18E-07	2.16E-05	2.52E-04	2.92E-04	2.82E-02	6.88E-05	7.90E-04	2.94E-02
5846	488950.45	3859761.05	0.06218	1.00236	0.01	0.29439	2.51E-04	2.99E-02	6.39E-05	9.29E-04	3.11E-02	2.29E-04	3.23E-08	8.52E-07	2.53E-05	2.55E-04	2.91E-04	2.99E-02	6.39E-05	9.29E-04	3.12E-02
5847	488858.94	3859761.43	0.06195	1.06893	0.0094	0.35316	2.50E-04	3.19E-02	6.00E-05	1.12E-03	3.33E-02	2.28E-04	3.45E-08	7.99E-07	3.04E-05	2.59E-04	2.90E-04	3.19E-02	6.00E-05	1.12E-03	3.34E-02
5848	488767.43	3859761.82	0.06152	1.15884	0.0089	0.43709	2.49E-04	3.46E-02	5.67E-05	1.38E-03	3.63E-02	2.26E-04	3.74E-08	7.56E-07	3.76E-05	2.65E-04	2.88E-04	3.46E-02	5.67E-05	1.38E-03	3.63E-02
5849	488675.92	3859762.2	0.06125	1.28022	0.0086	0.56259	2.48E-04	3.82E-02	5.47E-05	1.78E-03	4.03E-02	2.25E-04	4.13E-08	7.30E-07	4.84E-05	2.74E-04	2.86E-04	3.82E-02	5.47E-05	1.78E-03	4.03E-02
5850	488584.41	3859762.58	0.0608	1.45792	0.0085	0.74907	2.46E-04	4.35E-02	5.43E-05	2.37E-03	4.62E-02	2.24E-04	4.70E-08	7.25E-07	6.45E-05	2.89E-04	2.84E-04	4.35E-02	5.43E-05	2.37E-03	4.62E-02
5851	488492.9	3859762.96	0.06037	1.7451	0.0087	0.93545	2.44E-04	5.21E-02	5.55E-05	2.95E-03	5.53E-02	2.22E-04	5.62E-08	7.40E-07	8.06E-05	3.03E-04	2.82E-04	5.21E-02	5.55E-05	2.95E-03	5.54E-02
5852	488402.76	3859830.95	0.05779	2.34536	0.0089	0.32786	2.34E-04	7.00E-02	5.64E-05	1.04E-03	7.13E-02	2.12E-04	7.56E-08	7.53E-07	2.82E-05	2.42E-04	2.70E-04	7.00E-02	5.64E-05	1.04E-03	7.13E-02

5853	488404.14	3859898.55	0.05563	2.35189	0.0086	0.17274	2.25E-04	7.02E-02	5.49E-05	5.45E-04	7.10E-02	2.05E-04	7.58E-08	7.32E-07	1.49E-05	2.20E-04	2.60E-04	7.02E-02	5.49E-05	5.45E-04	7.10E-02
5854	488505.18	3859964.96	0.05436	1.97537	0.008	0.21761	2.20E-04	5.89E-02	5.09E-05	6.87E-04	5.99E-02	2.00E-04	6.37E-08	6.79E-07	1.87E-05	2.19E-04	2.54E-04	5.89E-02	5.09E-05	6.87E-04	5.99E-02
5855	488604.84	3859963.76	0.05489	1.76899	0.0077	0.25339	2.22E-04	5.28E-02	4.93E-05	8.00E-04	5.38E-02	2.02E-04	5.70E-08	6.57E-07	2.18E-05	2.24E-04	2.57E-04	5.28E-02	4.93E-05	8.00E-04	5.39E-02
5856	488704.51	3859962.56	0.05537	1.60252	0.0077	0.26433	2.24E-04	4.78E-02	4.89E-05	8.35E-04	4.89E-02	2.04E-04	5.17E-08	6.52E-07	2.28E-05	2.27E-04	2.59E-04	4.78E-02	4.89E-05	8.35E-04	4.90E-02
5857	488804.18	3859961.37	0.0558	1.42063	0.0079	0.25711	2.26E-04	4.24E-02	5.02E-05	8.12E-04	4.35E-02	2.05E-04	4.58E-08	6.69E-07	2.21E-05	2.28E-04	2.61E-04	4.24E-02	5.02E-05	8.12E-04	4.35E-02
5858	488903.85	3859960.17	0.05619	1.23652	0.0083	0.23597	2.27E-04	3.69E-02	5.28E-05	7.45E-04	3.79E-02	2.07E-04	3.99E-08	7.03E-07	2.03E-05	2.28E-04	2.63E-04	3.69E-02	5.28E-05	7.45E-04	3.80E-02
5859	489003.52	3859958.97	0.05645	1.09976	0.0088	0.21163	2.28E-04	3.28E-02	5.63E-05	6.68E-04	3.38E-02	2.08E-04	3.54E-08	7.51E-07	1.82E-05	2.27E-04	2.64E-04	3.28E-02	5.63E-05	6.68E-04	3.38E-02
5860	489103.18	3859957.77	0.05669	0.99805	0.0095	0.1882	2.29E-04	2.98E-02	6.09E-05	5.94E-04	3.07E-02	2.08E-04	3.22E-08	8.11E-07	1.62E-05	2.25E-04	2.65E-04	2.98E-02	6.09E-05	5.94E-04	3.07E-02
5861	489201.48	3860046.59	0.05459	0.97813	0.0096	0.14822	2.21E-04	2.92E-02	6.13E-05	4.68E-04	2.99E-02	2.01E-04	3.15E-08	8.17E-07	1.28E-05	2.14E-04	2.55E-04	2.92E-02	6.13E-05	4.68E-04	3.00E-02
5862	489200.11	3860136.61	0.05226	1.05212	0.0089	0.12908	2.11E-04	3.14E-02	5.68E-05	4.08E-04	3.21E-02	1.92E-04	3.39E-08	7.57E-07	1.11E-05	2.04E-04	2.44E-04	3.14E-02	5.68E-05	4.08E-04	3.21E-02
5863	489198.74	3860226.63	0.05011	1.25867	0.0083	0.11394	2.03E-04	3.76E-02	5.28E-05	3.60E-04	3.82E-02	1.84E-04	4.06E-08	7.04E-07	9.81E-06	1.95E-04	2.34E-04	3.76E-02	5.28E-05	3.60E-04	3.82E-02
5864	489197.38	3860316.65	0.04801	1.85309	0.0077	0.09892	1.94E-04	5.53E-02	4.92E-05	3.12E-04	5.58E-02	1.77E-04	5.97E-08	6.57E-07	8.52E-06	1.86E-04	2.25E-04	5.53E-02	4.92E-05	3.12E-04	5.59E-02
5865	489196.01	3860406.68	0.04613	1.93776	0.0072	0.08038	1.86E-04	5.78E-02	4.62E-05	2.54E-04	5.83E-02	1.70E-04	6.25E-08	6.16E-07	6.92E-06	1.77E-04	2.16E-04	5.78E-02	4.62E-05	2.54E-04	5.83E-02
5866	489194.64	3860496.7	0.04417	1.77178	0.0068	0.06275	1.79E-04	5.29E-02	4.34E-05	1.98E-04	5.33E-02	1.62E-04	5.71E-08	5.78E-07	5.40E-06	1.68E-04	2.07E-04	5.29E-02	4.34E-05	1.98E-04	5.33E-02
5867	489193.27	3860586.72	0.0425	1.15481	0.0064	0.04818	1.72E-04	3.45E-02	4.10E-05	1.52E-04	3.48E-02	1.56E-04	3.72E-08	5.47E-07	4.15E-06	1.61E-04	1.99E-04	3.45E-02	4.10E-05	1.52E-04	3.48E-02
5868	489092.02	3860678.13	0.04062	0.6709	0.0059	0.03859	1.64E-04	2.00E-02	3.74E-05	1.22E-04	2.03E-02	1.49E-04	2.16E-08	4.99E-07	3.32E-06	1.53E-04	1.90E-04	2.00E-02	3.74E-05	1.22E-04	2.04E-02
5869	488992.13	3860679.52	0.04034	0.68225	0.0058	0.03976	1.63E-04	2.04E-02	3.67E-05	1.26E-04	2.07E-02	1.48E-04	2.20E-08	4.89E-07	3.42E-06	1.52E-04	1.89E-04	2.04E-02	3.67E-05	1.26E-04	2.07E-02
5870	488892.24	3860680.92	0.04006	0.68616	0.0058	0.03996	1.62E-04	2.05E-02	3.68E-05	1.26E-04	2.08E-02	1.47E-04	2.21E-08	4.91E-07	3.44E-06	1.51E-04	1.87E-04	2.05E-02	3.68E-05	1.26E-04	2.08E-02
5871	488792.36	3860682.31	0.03969	0.67927	0.0059	0.03877	1.60E-04	2.03E-02	3.75E-05	1.22E-04	2.06E-02	1.46E-04	2.19E-08	5.00E-07	3.34E-06	1.50E-04	1.86E-04	2.03E-02	3.75E-05	1.22E-04	2.06E-02
5872	488692.47	3860683.7	0.03935	0.67109	0.0061	0.03669	1.59E-04	2.00E-02	3.87E-05	1.16E-04	2.03E-02	1.45E-04	2.16E-08	5.16E-07	3.16E-06	1.48E-04	1.84E-04	2.00E-02	3.87E-05	1.16E-04	2.04E-02
5873	488592.59	3860685.1	0.03886	0.64779	0.0063	0.03478	1.57E-04	1.93E-02	4.02E-05	1.10E-04	1.96E-02	1.43E-04	2.09E-08	5.37E-07	2.99E-06	1.46E-04	1.82E-04	1.93E-02	4.02E-05	1.10E-04	1.97E-02
5874	488492.71	3860686.49	0.0387	0.63949	0.0067	0.03504	1.56E-04	1.91E-02	4.29E-05	1.11E-04	1.94E-02	1.42E-04	2.06E-08	5.72E-07	3.02E-06	1.46E-04	1.81E-04	1.91E-02	4.29E-05	1.11E-04	1.94E-02
5875	488299.07	3860762.18	0.03773	0.44741	0.0079	0.02803	1.53E-04	1.33E-02	5.01E-05	8.85E-05	1.36E-02	1.39E-04	1.44E-08	6.68E-07	2.41E-06	1.42E-04	1.76E-04	1.33E-02	5.01E-05	8.85E-05	1.37E-02
5876	488205.32	3860764.09	0.03739	0.42443	0.0083	0.02656	1.51E-04	1.27E-02	5.26E-05	8.39E-05	1.29E-02	1.37E-04	1.37E-08	7.02E-07	2.29E-06	1.40E-04	1.75E-04	1.27E-02	5.26E-05	8.39E-05	1.30E-02
5877	488111.56	3860766	0.03704	0.39468	0.0084	0.02482	1.50E-04	1.18E-02	5.37E-05	7.84E-05	1.21E-02	1.36E-04	1.27E-08	7.16E-07	2.14E-06	1.39E-04	1.73E-04	1.18E-02	5.37E-05	7.84E-05	1.21E-02
5878	488017.81	3860767.91	0.03673	0.36337	0.0084	0.02371	1.48E-04	1.08E-02	5.33E-05	7.49E-05	1.11E-02	1.35E-04	1.17E-08	7.11E-07	2.04E-06	1.38E-04	1.72E-04	1.08E-02	5.33E-05	7.49E-05	1.11E-02
5879	487924.06	3860769.81	0.03653	0.33618	0.0081	0.02251	1.48E-04	1.00E-02	5.19E-05	7.11E-05	1.03E-02	1.34E-04	1.08E-08	6.92E-07	1.94E-06	1.37E-04	1.71E-04	1.00E-02	5.19E-05	7.11E-05	1.03E-02
5880	487830.31	3860771.72	0.0364	0.31311	0.0078	0.02144	1.47E-04	9.34E-03	5.00E-05	6.77E-05	9.61E-03	1.34E-04	1.01E-08	6.67E-07	1.85E-06	1.36E-04	1.70E-04	9.34E-03	5.00E-05	6.77E-05	9.63E-03
5881	487736.55	3860773.63	0.03629	0.29418	0.0075	0.02013	1.47E-04	8.78E-03	4.79E-05	6.36E-05	9.03E-03	1.33E-04	9.48E-09	6.39E-07	1.73E-06	1.36E-04	1.70E-04	8.78E-03	4.79E-05	6.36E-05	9.06E-03
5882	487642.8	3860775.54	0.03627	0.27816	0.0072	0.01883	1.47E-04	8.30E-03	4.57E-05	5.95E-05	8.55E-03	1.33E-04	8.97E-09	6.09E-07	1.62E-06	1.36E-04	1.70E-04	8.30E-03	4.57E-05	5.95E-05	8.57E-03
5883	487549.48	3860684.71	0.03754	0.30404	0.0069	0.01966	1.52E-04	9.07E-03	4.41E-05	6.21E-05	9.33E-03	1.38E-04	9.80E-09	5.88E-07	1.69E-06	1.40E-04	1.76E-04	9.07E-03	4.41E-05	6.21E-05	9.35E-03
5884	487549.91	3860591.97	0.03872	0.3546	0.007	0.02141	1.57E-04	1.06E-02	4.46E-05	6.76E-05	1.08E-02	1.42E-04	1.14E-08	5.94E-07	1.84E-06	1.45E-04	1.81E-04	1.06E-02	4.46E-05	6.76E-05	1.09E-02
5885	487550.34	3860499.23	0.04016	0.41377	0.0071	0.02385	1.62E-04	1.23E-02	4.54E-05	7.53E-05	1.26E-02	1.48E-04	1.33E-08	6.05E-07	2.05E-06	1.50E-04	1.88E-04	1.23E-02	4.54E-05	7.53E-05	1.27E-02
5886	487550.76	3860406.49	0.04177	0.46314	0.0072	0.0277	1.69E-04	1.38E-02	4.62E-05	8.75E-05	1.41E-02	1.54E-04	1.49E-08	6.16E-07	2.39E-06	1.57E-04	1.95E-04	1.38E-02	4.62E-05	8.75E-05	1.41E-02
5887	487551.19	3860313.75	0.04335	0.49737	0.0074	0.03196	1.75E-04	1.48E-02	4.69E-05	1.01E-04	1.52E-02	1.59E-04	1.60E-08	6.25E-07	2.75E-06	1.63E-04	2.03E-04	1.48E-02	4.69E-05	1.01E-04	1.52E-02
5888	487551.62	3860221.01	0.04511	0.52817	0.0075	0.03537	1.82E-04	1.58E-02	4.76E-05	1.12E-04	1.61E-02	1.66E-04	1.70E-08	6.35E-07	3.05E-06	1.70E-04	2.11E-04	1.58E-02	4.76E-05	1.12E-04	1.61E-02
5889	487552.05	3860128.27	0.04725	0.56645	0.0076	0.03846	1.91E-04	1.69E-02	4.87E-05	1.21E-04	1.73E-02	1.74E-04	1.83E-08	6.50E-07	3.31E-06	1.78E-04	2.21E-04	1.69E-02	4.87E-05	1.21E-04	1.73E-02
5890	487552.48	3860035.53	0.04945	0.60088	0.0078	0.04209	2.00E-04	1.79E-02	4.99E-05	1.33E-04	1.83E-02	1.82E-04	1.94E-08	6.65E-07	3.62E-06	1.86E-04	2.31E-04	1.79E-02	4.99E-05	1.33E-04	1.83E-02
5891	487552.91	3859942.79	0.05141	0.624	0.008	0.0462	2.08E-04	1.86E-02	5.10E-05	1.46E-04	1.90E-02	1.89E-04	2.01E-08	6.80E-07	3.98E-06	1.94E-04	2.40E-04	1.86E-02	5.10E-05	1.46E-04	1.91E-02
5892	487553.33	3859850.05	0.05398	0.67076	0.0082	0.05133	2.18E-04	2.00E-02	5.26E-05	1.62E-04	2.04E-02	1.98E-04	2.16E-08	7.01E-07	4.42E-06	2.04E-04	2.52E-04	2.00E-02	5.26E-05	1.62E-04	2.05E-02
5893	487553.76	3859757.31	0.05643	0.72576	0.0085	0.05694	2.28E-04	2.17E-02	5.43E-05	1.80E-04	2.21E-02	2.07E-04	2.34E-08	7.25E-07	4.90E-06	2.13E-04	2.64E-04	2.17E-02	5.43E-05	1.80E-04	2.21E-02
5894	487554.19	3859664.57	0.05906	0.8215	0.0089	0.06231	2.39E-04	2.45E-02	5.64E-05	1.97E-04	2.50E-02	2.17E-04	2.65E-08	7.53E-07	5.37E-06	2.23E-04	2.76E-04	2.45E-02	5.64E-05	1.97E-04	2.50E-02
5895	487460.2	3859571.05	0.0615	0.94335	0.0091	0.05789	2.49E-04	2.81E-02	5.81E-05	1.83E-04	2.86E-02	2.26E-04	3.04E-08	7.75E-07	4.98E-06	2.32E-04	2.88E-04	2.81E-02	5.81E-05	1.83E-04	2.87E-02
5896	487365.78	3859570.27	0.06114	0.87252	0.0092	0.0517	2.47E-04	2.60E-02	5.86E-05	1.63E-04	2.65E-02	2.25E-04	2.81E-08	7.81E-07	4.45E-06	2.30E-04	2.86E-04	2.60E-02	5.86E-05	1.63E-04	2.65E-02
5897	487271.36	3859569.48	0.06062	0.8102	0.0094	0.04752	2.45E-04	2.42E-02	6.00E-05	1.50E-04	2.46E-02	2.23E-04	2.61E-08	7.99E-07	4.09E-06	2.28E-04	2.83E-04	2.42E-02	6.00E-05	1.50E-04	2.47E-02
5898	487176.94	3859568.7	0.06006	0.74657	0.0096	0.04363	2.43E-04	2.23E-02	6.11E-05	1.38E-04	2.27E-02	2.21E-04	2.41E-08	8.15E-07	3.76E-06	2.25E-04	2.81E-04	2.23E-02	6.11E-05	1.38E-04	2.28E-02
5899	487082.51	3859567.92	0.0597	0.68488	0.0097	0.04067	2.41E-04	2.04E-02	6.20E-05	1.28E-04	2.09E-02	2.19E-04	2.21E-08	8.27E-07	3.50E-06	2.24E-04	2.79E-04	2.04E-02	6.20E-05	1.28E-04	2.09E-02
5900	486988.09	3859567.14	0.05951	0.6225	0.01	0.03808	2.41E-04	1.86E-02	6.35E-05	1.20E-04	1.90E-02	2.19E-04	2.01E-08	8.47E-07	3.28E-06	2.23E-04	2.78E-04	1.86E-02	6.35E-05	1.20E-04	1.90E-02
5901	486893.67	3859566.36	0.05955	0.56364	0.0104	0.0353	2.41E-04	1.68E-02	6.62E-05	1.11E-04	1.72E-02	2.19E-04	1.82E-08	8.83E-07	3.04E-06	2.23E-04	2.78E-04	1.68E-02	6.62E-05	1.11E-04	1.73E-02
5902	486799.25	3859565.58	0.05972	0.50954	0.0109	0.03215	2.41E-04	1.52E-02	6.97E-05	1.02E-04	1.56E-02	2.20E-04	1.64E-08	9.29E-07	2.77E-06	2.23E-04	2.79E-04	1.52E-02	6.97E-05	1.02E-04	1.57E-02
5903	486704.83	3859564.79	0.05997	0.4617	0.0114	0.02975	2.42E-04	1.38E-02	7.30E-05	9.39E-05	1.42E-02	2.20E-04	1.49E-08	9.73E-07	2.56E-06	2.24E-04	2.80E-04	1.38E-02	7.30E-05	9.39E-05	1.42E-02
5904	486610.41	3859564.01	0.06027	0.41971	0.0119	0.02757	2.44E-04	1.25E-02	7.58E-05	8.70E-05	1.29E-02	2.22E-04	1.35E-08	1.01E-06	2.37E-06	2.25E-04	2.82E-04	1.25E-02	7.58E-05	8.70E-05	1.30E-02
5905	486515.99	3859563.23	0.06043	0.38204	0.0122	0.02551	2.44E-04	1.14E-02	7.80E-05	8.05E-05	1.18E-02	2.22E-04	1.23E-08	1.04E-06	2.20E-06	2.25E-04	2.83E-04	1.14E-02	7.80E-05	8.05E-05	1.18E-02
5906	486421.57	3859562.45	0.06079	0.35088	0.0126	0.02375	2.46E-04	1.05E-02	8.03E-05	7.50E-05	1.09E-02	2.23E-04	1.13E-08	1.07E-06	2.05E-06	2.27E-04	2.84E-04	1.05E-02	8.03E-05	7.50E-05	1.09E-02
5907	486327.14	3859561.67	0.0613	0.32501	0.013	0.02221	2.48E-04	9.70E-03	8.29E-05	7.01E-05	1.01E-02	2.25E-04	1.05E-08	1.11E-06	1.91E-06	2.28E-04	2.87E-04	9.70E-03	8.29E-05	7.01E-05	1.01E-02
5908	486232.72	3859560.89	0.06152	0.30149	0.0134	0.02081	2.49E-04	8.99E-03	8.55E-05	6.57E-05	9.39E-03	2.26E-04	9.72E-09	1.14E-06	1.79E-06	2.29E-04	2.88E-04	8.99E-03	8.55E-05	6.57E-05	9.43E-03
5909	486138.3	3859560.1	0.06165	0.28073	0.0138	0.01957	2.49E-04	8.38E-03	8.80E-05	6.18E-05	8.77E-03	2.27E-04	9.05E-09	1.17E-06	1.69E-06	2.30E-04	2.88E-04	8.38E-03	8.80E-05	6.18E-05	8.81E-03
5910	486043.88	3859559.32	0.06161	0.26171	0.0142	0.01848	2.49E-04	7.81E-03	9.03E-05	5.83E-05	8.21E-03	2.27E-04	8.44E-09	1.20E-06	1.59E-06	2.29E-04	2.88E-04	7.81E-03	9.03E-05	5.83E-05	8.24E-03
5911	485949.35	3859463.54	0.06465	0.26261	0.0152	0.01837	2.61E-04	7.83E-03	9.71E-05	5.80E-05	8.25E-03	2.38E-04	8.46E-09	1.30E-06	1.58E-06	2.41E-04	3.02E-04	7.83E-03	9.71E-05	5.80E-05	8.29E-03
5912	485949.24	3859368.55	0.06809	0.28319	0.016	0.01929	2.75E-04	8.45E-03	1.02E-04	6.09E-05	8.89E-03	2.50E-04	9.13E-09	1.36E-06	1.66E-06	2.53E-04	3.18E-04	8.45E-03	1.02E-04	6.09E-05	8.93E-03
5913	485949.12	3859273.55	0.07192	0.30656	0.0167	0.0203	2.91E-04	9.15E-03	1.07E-04	6.41E-05	9.61E-03	2.64E-04	9.88E-09	1.42E-06	1.75E-06	2.68E-04	3.36E-04	9.15E-03	1.07E-04	6.41E-05	9.65E-03

5914	485949.01	3859178.56	0.07603	0.33214	0.0173	0.02132	3.07E-04	9.91E-03	1.10E-04	6.73E-05	1.04E-02	2.80E-04	1.07E-08	1.47E-06	1.84E-06	2.83E-04	3.56E-04	9.91E-03	1.10E-04	6.73E-05	1.04E-02
5915	485948.9	3859083.56	0.08076	0.35953	0.0179	0.02249	3.26E-04	1.07E-02	1.14E-04	7.10E-05	1.12E-02	2.97E-04	1.16E-08	1.52E-06	1.94E-06	3.00E-04	3.78E-04	1.07E-02	1.14E-04	7.10E-05	1.13E-02
5916	485948.79	3858988.56	0.08564	0.38414	0.0184	0.02371	3.46E-04	1.15E-02	1.17E-04	7.49E-05	1.20E-02	3.15E-04	1.24E-08	1.57E-06	2.04E-06	3.18E-04	4.01E-04	1.15E-02	1.17E-04	7.49E-05	1.21E-02
5917	485948.67	3858893.57	0.09091	0.40323	0.0189	0.02474	3.67E-04	1.20E-02	1.21E-04	7.81E-05	1.26E-02	3.34E-04	1.30E-08	1.61E-06	2.13E-06	3.38E-04	4.25E-04	1.20E-02	1.21E-04	7.81E-05	1.27E-02
5918	485948.56	3858798.57	0.09715	0.41493	0.0194	0.02537	3.93E-04	1.24E-02	1.24E-04	8.01E-05	1.30E-02	3.57E-04	1.34E-08	1.65E-06	2.18E-06	3.61E-04	4.54E-04	1.24E-02	1.24E-04	8.01E-05	1.30E-02
5919	485948.45	3858703.58	0.10308	0.42217	0.0196	0.02565	4.17E-04	1.26E-02	1.25E-04	8.10E-05	1.32E-02	3.79E-04	1.36E-08	1.67E-06	2.21E-06	3.83E-04	4.82E-04	1.26E-02	1.25E-04	8.10E-05	1.33E-02
5920	485948.34	3858608.58	0.11031	0.42976	0.0195	0.026	4.46E-04	1.28E-02	1.25E-04	8.21E-05	1.35E-02	4.06E-04	1.39E-08	1.66E-06	2.24E-06	4.09E-04	5.16E-04	1.28E-02	1.25E-04	8.21E-05	1.35E-02
5921	485948.22	3858513.59	0.11827	0.43871	0.0192	0.02647	4.78E-04	1.31E-02	1.22E-04	8.36E-05	1.38E-02	4.35E-04	1.41E-08	1.63E-06	2.28E-06	4.39E-04	5.53E-04	1.31E-02	1.22E-04	8.36E-05	1.38E-02
5922	485948.11	3858418.59	0.12689	0.45108	0.0189	0.02662	5.13E-04	1.35E-02	1.20E-04	8.40E-05	1.42E-02	4.67E-04	1.45E-08	1.60E-06	2.29E-06	4.70E-04	5.93E-04	1.35E-02	1.20E-04	8.40E-05	1.43E-02
5923	485948	3858323.59	0.13717	0.4663	0.019	0.02657	5.54E-04	1.39E-02	1.21E-04	8.39E-05	1.47E-02	5.04E-04	1.50E-08	1.62E-06	2.29E-06	5.08E-04	6.41E-04	1.39E-02	1.21E-04	8.39E-05	1.48E-02
5924	485947.89	3858228.6	0.14791	0.48273	0.0196	0.02667	5.98E-04	1.44E-02	1.25E-04	8.42E-05	1.52E-02	5.44E-04	1.56E-08	1.67E-06	2.30E-06	5.48E-04	6.92E-04	1.44E-02	1.25E-04	8.42E-05	1.53E-02
5925	485947.77	3858133.6	0.1598	0.49882	0.0202	0.02641	6.46E-04	1.49E-02	1.29E-04	8.34E-05	1.57E-02	5.88E-04	1.61E-08	1.72E-06	2.27E-06	5.92E-04	7.47E-04	1.49E-02	1.29E-04	8.34E-05	1.58E-02
5926	485947.66	3858038.61	0.17532	0.51832	0.0207	0.02546	7.09E-04	1.55E-02	1.32E-04	8.04E-05	1.64E-02	6.45E-04	1.67E-08	1.76E-06	2.19E-06	6.49E-04	8.20E-04	1.55E-02	1.32E-04	8.04E-05	1.65E-02
5927	485854.54	3857943.35	0.18658	0.50368	0.0199	0.02278	7.54E-04	1.50E-02	1.27E-04	7.19E-05	1.60E-02	6.86E-04	1.62E-08	1.69E-06	1.96E-06	6.90E-04	8.73E-04	1.50E-02	1.27E-04	7.19E-05	1.61E-02
5928	485761.52	3857943.09	0.18255	0.45766	0.0191	0.02176	7.38E-04	1.37E-02	1.22E-04	6.87E-05	1.46E-02	6.71E-04	1.48E-08	1.62E-06	1.87E-06	6.75E-04	8.54E-04	1.37E-02	1.22E-04	6.87E-05	1.47E-02
5929	485668.51	3857942.83	0.17921	0.42195	0.0184	0.02087	7.24E-04	1.26E-02	1.17E-04	6.59E-05	1.35E-02	6.59E-04	1.36E-08	1.56E-06	1.80E-06	6.62E-04	8.38E-04	1.26E-02	1.17E-04	6.59E-05	1.36E-02
5930	485575.5	3857942.56	0.17505	0.39397	0.0177	0.02002	7.08E-04	1.18E-02	1.13E-04	6.32E-05	1.26E-02	6.44E-04	1.27E-08	1.51E-06	1.72E-06	6.47E-04	8.19E-04	1.18E-02	1.13E-04	6.32E-05	1.27E-02
5931	485482.48	3857942.3	0.17185	0.37015	0.0171	0.01923	6.95E-04	1.10E-02	1.09E-04	6.07E-05	1.19E-02	6.32E-04	1.19E-08	1.46E-06	1.66E-06	6.35E-04	8.04E-04	1.10E-02	1.09E-04	6.07E-05	1.20E-02
5932	485389.47	3857942.04	0.16864	0.34976	0.0166	0.01848	6.82E-04	1.04E-02	1.06E-04	5.83E-05	1.13E-02	6.20E-04	1.13E-08	1.41E-06	1.59E-06	6.23E-04	7.89E-04	1.04E-02	1.06E-04	5.83E-05	1.14E-02
5933	485296.46	3857941.78	0.16554	0.33194	0.0161	0.01782	6.69E-04	9.90E-03	1.02E-04	5.63E-05	1.07E-02	6.09E-04	1.07E-08	1.37E-06	1.53E-06	6.12E-04	7.74E-04	9.90E-03	1.02E-04	5.63E-05	1.08E-02
5934	485203.45	3857941.52	0.16313	0.31584	0.0156	0.01725	6.59E-04	9.42E-03	9.95E-05	5.45E-05	1.02E-02	6.00E-04	1.02E-08	1.33E-06	1.49E-06	6.03E-04	7.63E-04	9.42E-03	9.95E-05	5.45E-05	1.03E-02
5935	485110.43	3857941.26	0.15991	0.30205	0.0151	0.01674	6.46E-04	9.01E-03	9.66E-05	5.29E-05	9.81E-03	5.88E-04	9.74E-09	1.29E-06	1.44E-06	5.91E-04	7.48E-04	9.01E-03	9.66E-05	5.29E-05	9.91E-03
5936	485017.42	3857940.99	0.1564	0.28966	0.0147	0.01629	6.32E-04	8.64E-03	9.38E-05	5.14E-05	9.42E-03	5.75E-04	9.34E-09	1.25E-06	1.40E-06	5.78E-04	7.31E-04	8.64E-03	9.38E-05	5.14E-05	9.52E-03
5937	484924.41	3857940.73	0.15297	0.27795	0.0143	0.01596	6.18E-04	8.29E-03	9.11E-05	5.04E-05	9.05E-03	5.62E-04	8.96E-09	1.22E-06	1.37E-06	5.65E-04	7.15E-04	8.29E-03	9.11E-05	5.04E-05	9.15E-03
5938	484831.39	3857940.47	0.14994	0.26652	0.0139	0.01584	6.06E-04	7.95E-03	8.87E-05	5.00E-05	8.70E-03	5.51E-04	8.59E-09	1.18E-06	1.36E-06	5.54E-04	7.01E-04	7.95E-03	8.87E-05	5.00E-05	8.79E-03
5939	484738.12	3857859.3	0.1545	0.2784	0.0134	0.01622	6.25E-04	8.31E-03	8.57E-05	5.12E-05	9.07E-03	5.68E-04	8.97E-09	1.14E-06	1.40E-06	5.71E-04	7.23E-04	8.31E-03	8.57E-05	5.12E-05	9.17E-03
5940	484737.85	3857778.4	0.1631	0.30716	0.0134	0.01683	6.59E-04	9.16E-03	8.52E-05	5.31E-05	9.96E-03	6.00E-04	9.90E-09	1.14E-06	1.45E-06	6.02E-04	7.63E-04	9.16E-03	8.52E-05	5.31E-05	1.01E-02
5941	484737.59	3857697.49	0.17172	0.34478	0.0134	0.01759	6.94E-04	1.03E-02	8.52E-05	5.55E-05	1.11E-02	6.31E-04	1.11E-08	1.14E-06	1.51E-06	6.34E-04	8.03E-04	1.03E-02	8.52E-05	5.55E-05	1.12E-02
5942	484737.32	3857616.59	0.18032	0.3966	0.0135	0.01851	7.29E-04	1.18E-02	8.59E-05	5.84E-05	1.27E-02	6.63E-04	1.28E-08	1.14E-06	1.59E-06	6.66E-04	8.43E-04	1.18E-02	8.59E-05	5.84E-05	1.28E-02
5943	484645.53	3857535.18	0.18405	0.43815	0.0133	0.01937	7.44E-04	1.31E-02	8.48E-05	6.12E-05	1.40E-02	6.77E-04	1.41E-08	1.13E-06	1.67E-06	6.79E-04	8.61E-04	1.31E-02	8.48E-05	6.12E-05	1.41E-02
5944	484553.99	3857534.67	0.1779	0.4108	0.0129	0.01888	7.19E-04	1.23E-02	8.25E-05	5.96E-05	1.31E-02	6.54E-04	1.32E-08	1.10E-06	1.63E-06	6.57E-04	8.32E-04	1.23E-02	8.25E-05	5.96E-05	1.32E-02
5945	484462.46	3857534.17	0.17248	0.38661	0.0126	0.01857	6.97E-04	1.15E-02	8.04E-05	5.86E-05	1.24E-02	6.34E-04	1.25E-08	1.07E-06	1.60E-06	6.37E-04	8.07E-04	1.15E-02	8.04E-05	5.86E-05	1.25E-02
5946	484370.93	3857533.66	0.16698	0.36517	0.0123	0.01799	6.75E-04	1.09E-02	7.83E-05	5.68E-05	1.17E-02	6.14E-04	1.18E-08	1.04E-06	1.55E-06	6.17E-04	7.81E-04	1.09E-02	7.83E-05	5.68E-05	1.18E-02
5947	484279.4	3857533.16	0.16177	0.34478	0.012	0.0176	6.54E-04	1.03E-02	7.64E-05	5.56E-05	1.11E-02	5.95E-04	1.11E-08	1.02E-06	1.52E-06	5.97E-04	7.57E-04	1.03E-02	7.64E-05	5.56E-05	1.12E-02
5948	484187.86	3857532.65	0.15643	0.32626	0.0117	0.01792	6.32E-04	9.73E-03	7.45E-05	5.66E-05	1.05E-02	5.75E-04	1.05E-08	9.93E-07	1.54E-06	5.78E-04	7.32E-04	9.73E-03	7.45E-05	5.66E-05	1.06E-02
5949	484096.33	3857532.15	0.15158	0.30562	0.0114	0.01828	6.13E-04	9.12E-03	7.28E-05	5.77E-05	9.86E-03	5.57E-04	9.85E-09	9.70E-07	1.57E-06	5.60E-04	7.09E-04	9.12E-03	7.28E-05	5.77E-05	9.96E-03
5950	484004.8	3857531.64	0.14627	0.29059	0.0111	0.01807	5.91E-04	8.67E-03	7.10E-05	5.71E-05	9.39E-03	5.38E-04	9.37E-09	9.47E-07	1.56E-06	5.40E-04	6.84E-04	8.67E-03	7.10E-05	5.71E-05	9.48E-03
5951	483913.27	3857531.14	0.14068	0.27902	0.0109	0.01796	5.69E-04	8.32E-03	6.93E-05	5.67E-05	9.02E-03	5.17E-04	8.99E-09	9.24E-07	1.55E-06	5.20E-04	6.58E-04	8.32E-03	6.93E-05	5.67E-05	9.11E-03
5952	483821.73	3857530.63	0.13593	0.26448	0.0106	0.01842	5.49E-04	7.89E-03	6.77E-05	5.82E-05	8.57E-03	5.00E-04	8.52E-09	9.02E-07	1.59E-06	5.02E-04	6.36E-04	7.89E-03	6.77E-05	5.82E-05	8.65E-03
5953	483729.61	3857450.11	0.13618	0.27732	0.0105	0.01995	5.50E-04	8.27E-03	6.72E-05	6.30E-05	8.95E-03	5.01E-04	8.94E-09	8.96E-07	1.72E-06	5.03E-04	6.37E-04	8.27E-03	6.72E-05	6.30E-05	9.04E-03
5954	483729.03	3857370.08	0.14171	0.30503	0.0108	0.02114	5.73E-04	9.10E-03	6.86E-05	6.67E-05	9.81E-03	5.21E-04	9.83E-09	9.15E-07	1.82E-06	5.24E-04	6.63E-04	9.10E-03	6.86E-05	6.67E-05	9.90E-03
5955	483728.44	3857290.06	0.14662	0.3439	0.011	0.02233	5.93E-04	1.03E-02	7.03E-05	7.05E-05	1.10E-02	5.39E-04	1.11E-08	9.37E-07	1.92E-06	5.42E-04	6.86E-04	1.03E-02	7.03E-05	7.05E-05	1.11E-02
5956	483727.86	3857210.03	0.15142	0.39574	0.0113	0.02379	6.12E-04	1.18E-02	7.20E-05	7.51E-05	1.26E-02	5.57E-04	1.28E-08	9.60E-07	2.05E-06	5.60E-04	7.08E-04	1.18E-02	7.20E-05	7.51E-05	1.27E-02
5957	483641.15	3857129.07	0.15091	0.40568	0.0113	0.0248	6.10E-04	1.21E-02	7.22E-05	7.83E-05	1.29E-02	5.55E-04	1.31E-08	9.63E-07	2.14E-06	5.58E-04	7.06E-04	1.21E-02	7.22E-05	7.83E-05	1.30E-02
5958	483555.03	3857128.14	0.1451	0.36215	0.0111	0.02416	5.87E-04	1.08E-02	7.07E-05	7.63E-05	1.15E-02	5.33E-04	1.17E-08	9.43E-07	2.08E-06	5.36E-04	6.79E-04	1.08E-02	7.07E-05	7.63E-05	1.16E-02
5959	483468.91	3857127.2	0.13857	0.33203	0.0108	0.02321	5.60E-04	9.91E-03	6.91E-05	7.33E-05	1.06E-02	5.09E-04	1.07E-08	9.21E-07	2.00E-06	5.12E-04	6.48E-04	9.91E-03	6.91E-05	7.33E-05	1.07E-02
5960	483382.78	3857126.26	0.13383	0.29981	0.0106	0.02249	5.41E-04	8.94E-03	6.78E-05	7.10E-05	9.62E-03	4.92E-04	9.66E-09	9.04E-07	1.94E-06	4.95E-04	6.26E-04	8.94E-03	6.78E-05	7.10E-05	9.71E-03
5961	483296.66	3857125.32	0.12872	0.27491	0.0104	0.02198	5.20E-04	8.20E-03	6.64E-05	6.94E-05	8.86E-03	4.73E-04	8.86E-09	8.85E-07	1.89E-06	4.76E-04	6.02E-04	8.20E-03	6.64E-05	6.94E-05	8.94E-03
5962	483210.54	3857124.39	0.12366	0.25385	0.0102	0.0204	5.00E-04	7.57E-03	6.50E-05	6.44E-05	8.20E-03	4.55E-04	8.18E-09	8.67E-07	1.76E-06	4.57E-04	5.78E-04	7.57E-03	6.50E-05	6.44E-05	8.28E-03
5963	483123.4	3857030.96	0.12259	0.25267	0.0103	0.01938	4.96E-04	7.54E-03	6.55E-05	6.12E-05	8.16E-03	4.51E-04	8.14E-09	8.73E-07	1.67E-06	4.53E-04	5.73E-04	7.54E-03	6.55E-05	6.12E-05	8.24E-03
5964	483122.38	3856938.46	0.12667	0.27013	0.0105	0.0201	5.12E-04	8.06E-03	6.71E-05	6.35E-05	8.70E-03	4.66E-04	8.71E-09	8.95E-07	1.73E-06	4.68E-04	5.92E-04	8.06E-03	6.71E-05	6.35E-05	8.78E-03
5965	483121.35	3856845.97	0.13079	0.28657	0.0107	0.02116	5.29E-04	8.55E-03	6.83E-05	6.68E-05	9.21E-03	4.81E-04	9.24E-09	9.11E-07	1.82E-06	4.84E-04	6.12E-04	8.55E-03	6.83E-05	6.68E-05	9.30E-03
5966	483120.33	3856753.47	0.1338	0.30872	0.0108	0.02296	5.41E-04	9.21E-03	6.87E-05	7.25E-05	9.89E-03	4.92E-04	9.95E-09	9.16E-07	1.98E-06	4.95E-04	6.26E-04	9.21E-03	6.87E-05	7.25E-05	9.98E-03
5967	483119.31	3856660.98	0.13691	0.3296	0.0107	0.02543	5.53E-04	9.83E-03	6.85E-05	8.03E-05	1.05E-02	5.03E-04	1.06E-08	9.13E-07	2.19E-06	5.06E-04	6.40E-04	9.83E-03	6.85E-05	8.03E-05	1.06E-02
5968	483118.29	3856568.49	0.14067	0.34473	0.0107	0.0284	5.69E-04	1.03E-02	6.79E-05	8.97E-05	1.10E-02	5.17E-04	1.11E-08	9.06E-07	2.45E-06	5.21E-04	6.58E-04	1.03E-02	6.79E-05	8.97E-05	1.11E-02
5969	483117.26	3856475.99	0.14483	0.35496	0.0105	0.03196	5.85E-04	1.06E-02	6.70E-05	1.01E-04	1.13E-02	5.32E-04	1.14E-08	8.94E-07	2.75E-06	5.36E-04	6.77E-04	1.06E-02	6.70E-05	1.01E-04	1.14E-02
5970	483116.24	3856383.5	0.14855	0.36822	0.0103	0.03697	6.00E-04	1.10E-02	6.58E-05	1.17E-04	1.18E-02	5.46E-04	1.19E-08	8.78E-07	3.18E-06	5.50E-04	6.95E-04	1.10E-02	6.58E-05	1.17E-04	1.19E-02
5971	483115.22	3856291.01	0.15226	0.38091	0.0101	0.04371	6.15E-04	1.14E-02	6.44E-05	1.38E-04	1.22E-02	5.60E-04	1.23E-08	8.58E-07	3.76E-06	5.64E-04	7.12E-04	1.14E-02	6.44E-05	1.38E-04	1.23E-02
5972	483114.2	3856198.51	0.15513	0.40158	0.0098	0.04981	6.27E-04	1.20E-02	6.24E-05	1.57E-04	1.28E-02	5.70E-04	1.29E-08	8.32E-07	4.29E-06	5.75E-04	7.25E-04	1.20E-02	6.24E-05	1.57E-04	1.29E-02
5973	483113.17	3856106.02	0.15915	0.40769	0.0095	0.05254	6.43E-04	1.22E-02	6.03E-05	1.66E-04	1.30E-02	5.85E-04	1.31E-08	8.04E-07	4.52E-06	5.90E-04	7.44E-04	1.22E-02	6.03E-05	1.66E-04	1.31E-02
5974	483112.15	3856013.52	0.16127	0.435	0.009	0.05137	6.52E-04	1.30E-02	5.73E-05	1.62E-04	1.38E-02	5.93E-04	1.40E-08	7.65E-07	4.42E-06	5.98E-04	7.54E-04	1.30E-02	5.73E-05	1.62E-04	1.40E-02

5975	483029.25	3855920.47	0.15444	0.39482	0.0086	0.04175	6.24E-04	1.18E-02	5.48E-05	1.32E-04	1.26E-02	5.68E-04	1.27E-08	7.31E-07	3.60E-06	5.72E-04	7.22E-04	1.18E-02	5.48E-05	1.32E-04	1.27E-02
5976	482947.37	3855919.91	0.14663	0.34438	0.0087	0.03751	5.93E-04	1.03E-02	5.54E-05	1.18E-04	1.10E-02	5.39E-04	1.11E-08	7.38E-07	3.23E-06	5.43E-04	6.86E-04	1.03E-02	5.54E-05	1.18E-04	1.11E-02
5977	482865.49	3855919.36	0.13916	0.30944	0.0087	0.03394	5.63E-04	9.23E-03	5.57E-05	1.07E-04	9.96E-03	5.12E-04	9.97E-09	7.43E-07	2.92E-06	5.15E-04	6.51E-04	9.23E-03	5.57E-05	1.07E-04	1.00E-02
5978	482783.61	3855918.8	0.13294	0.27504	0.0088	0.03101	5.37E-04	8.21E-03	5.63E-05	9.79E-05	8.90E-03	4.89E-04	8.86E-09	7.50E-07	2.67E-06	4.92E-04	6.22E-04	8.21E-03	5.63E-05	9.79E-05	8.98E-03
5979	482700.33	3855818.39	0.1265	0.26493	0.0084	0.02823	5.11E-04	7.90E-03	5.36E-05	8.91E-05	8.56E-03	4.65E-04	8.54E-09	7.15E-07	2.43E-06	4.68E-04	5.92E-04	7.90E-03	5.36E-05	8.91E-05	8.64E-03
5980	482698.92	3855718.54	0.1265	0.28248	0.0079	0.02694	5.11E-04	8.43E-03	5.04E-05	8.51E-05	9.07E-03	4.65E-04	9.10E-09	6.72E-07	2.32E-06	4.68E-04	5.92E-04	8.43E-03	5.04E-05	8.51E-05	9.15E-03
5981	482697.52	3855618.68	0.1258	0.30667	0.0073	0.02549	5.09E-04	9.15E-03	4.66E-05	8.05E-05	9.78E-03	4.63E-04	9.88E-09	6.21E-07	2.19E-06	4.65E-04	5.88E-04	9.15E-03	4.66E-05	8.05E-05	9.86E-03
5982	482696.11	3855518.83	0.12565	0.29771	0.0067	0.02424	5.08E-04	8.88E-03	4.27E-05	7.65E-05	9.51E-03	4.62E-04	9.60E-09	5.70E-07	2.09E-06	4.65E-04	5.88E-04	8.88E-03	4.27E-05	7.65E-05	9.59E-03
5983	482694.71	3855418.98	0.12387	0.29089	0.0061	0.02335	5.01E-04	8.68E-03	3.90E-05	7.37E-05	9.29E-03	4.55E-04	9.38E-09	5.20E-07	2.01E-06	4.58E-04	5.79E-04	8.68E-03	3.90E-05	7.37E-05	9.37E-03
5984	482693.3	3855319.13	0.12144	0.27361	0.0056	0.02342	4.91E-04	8.16E-03	3.57E-05	7.39E-05	8.76E-03	4.46E-04	8.82E-09	4.75E-07	2.02E-06	4.49E-04	5.68E-04	8.16E-03	3.57E-05	7.39E-05	8.84E-03
5985	482691.9	3855219.27	0.11919	0.24164	0.0052	0.02672	4.82E-04	7.21E-03	3.28E-05	8.44E-05	7.81E-03	4.38E-04	7.79E-09	4.38E-07	2.30E-06	4.41E-04	5.57E-04	7.21E-03	3.28E-05	8.44E-05	7.88E-03
5986	482690.49	3855119.42	0.11596	0.22277	0.0048	0.03456	4.69E-04	6.65E-03	3.07E-05	1.09E-04	7.25E-03	4.26E-04	7.18E-09	4.09E-07	2.98E-06	4.30E-04	5.42E-04	6.65E-03	3.07E-05	1.09E-04	7.33E-03
5987	482689.09	3855019.57	0.11337	0.18209	0.0045	0.04169	4.58E-04	5.43E-03	2.89E-05	1.32E-04	6.05E-03	4.17E-04	5.87E-09	3.85E-07	3.59E-06	4.21E-04	5.30E-04	5.43E-03	2.89E-05	1.32E-04	6.12E-03
5988	482687.68	3854919.71	0.10922	0.13801	0.0044	0.04197	4.41E-04	4.12E-03	2.77E-05	1.33E-04	4.72E-03	4.02E-04	4.45E-09	3.70E-07	3.61E-06	4.06E-04	5.11E-04	4.12E-03	2.77E-05	1.33E-04	4.79E-03
5989	482686.28	3854819.86	0.10494	0.09917	0.0042	0.03658	4.24E-04	2.96E-03	2.69E-05	1.15E-04	3.53E-03	3.86E-04	3.20E-09	3.59E-07	3.15E-06	3.89E-04	4.91E-04	2.96E-03	2.69E-05	1.15E-04	3.59E-03
5990	482684.88	3854720.01	0.099	0.07991	0.0041	0.02954	4.00E-04	2.38E-03	2.64E-05	9.33E-05	2.90E-03	3.64E-04	2.58E-09	3.52E-07	2.54E-06	3.67E-04	4.63E-04	2.38E-03	2.64E-05	9.33E-05	2.97E-03
5991	482683.47	3854620.16	0.09369	0.0653	0.0041	0.02362	3.79E-04	1.95E-03	2.58E-05	7.46E-05	2.43E-03	3.44E-04	2.10E-09	3.44E-07	2.03E-06	3.47E-04	4.38E-04	1.95E-03	2.58E-05	7.46E-05	2.49E-03
5992	482682.07	3854520.31	0.08816	0.05683	0.004	0.01955	3.56E-04	1.70E-03	2.55E-05	6.17E-05	2.14E-03	3.24E-04	1.83E-09	3.39E-07	1.68E-06	3.26E-04	4.12E-04	1.70E-03	2.55E-05	6.17E-05	2.19E-03
5993	482680.66	3854420.45	0.08344	0.05085	0.0039	0.01683	3.37E-04	1.52E-03	2.51E-05	5.31E-05	1.93E-03	3.07E-04	1.64E-09	3.34E-07	1.45E-06	3.09E-04	3.90E-04	1.52E-03	2.51E-05	5.31E-05	1.99E-03
5994	482679.26	3854320.6	0.07951	0.04634	0.0039	0.01486	3.21E-04	1.38E-03	2.47E-05	4.69E-05	1.78E-03	2.92E-04	1.49E-09	3.29E-07	1.28E-06	2.94E-04	3.72E-04	1.38E-03	2.47E-05	4.69E-05	1.83E-03
5995	482677.85	3854220.75	0.07674	0.04108	0.0038	0.01321	3.10E-04	1.23E-03	2.42E-05	4.17E-05	1.60E-03	2.82E-04	1.32E-09	3.23E-07	1.14E-06	2.84E-04	3.59E-04	1.23E-03	2.42E-05	4.17E-05	1.65E-03
5996	482676.45	3854120.9	0.07228	0.0392	0.0038	0.01195	2.92E-04	1.17E-03	2.40E-05	3.77E-05	1.52E-03	2.66E-04	1.26E-09	3.21E-07	1.03E-06	2.67E-04	3.38E-04	1.17E-03	2.40E-05	3.77E-05	1.57E-03
5997	482675.04	3854021.04	0.06759	0.03698	0.0037	0.01092	2.73E-04	1.10E-03	2.39E-05	3.45E-05	1.43E-03	2.48E-04	1.19E-09	3.18E-07	9.40E-07	2.50E-04	3.16E-04	1.10E-03	2.39E-05	3.45E-05	1.48E-03
5998	482673.64	3853921.19	0.06231	0.03499	0.0037	0.01013	2.52E-04	1.04E-03	2.37E-05	3.20E-05	1.35E-03	2.29E-04	1.13E-09	3.16E-07	8.72E-07	2.30E-04	2.91E-04	1.04E-03	2.37E-05	3.20E-05	1.39E-03
5999	482672.23	3853821.34	0.05749	0.03269	0.0037	0.00949	2.32E-04	9.75E-04	2.33E-05	3.00E-05	1.26E-03	2.11E-04	1.05E-09	3.11E-07	8.17E-07	2.12E-04	2.69E-04	9.75E-04	2.33E-05	3.00E-05	1.30E-03
6000	482670.83	3853721.48	0.05307	0.03061	0.0036	0.00895	2.15E-04	9.13E-04	2.30E-05	2.83E-05	1.18E-03	1.95E-04	9.87E-10	3.07E-07	7.71E-07	1.96E-04	2.48E-04	9.13E-04	2.30E-05	2.83E-05	1.21E-03
6001	482669.42	3853621.63	0.04952	0.02895	0.0036	0.0085	2.00E-04	8.64E-04	2.27E-05	2.68E-05	1.11E-03	1.82E-04	9.33E-10	3.03E-07	7.32E-07	1.83E-04	2.32E-04	8.64E-04	2.27E-05	2.68E-05	1.14E-03
6002	482645.99	3853446.13	0.04639	0.02626	0.0035	0.00777	1.88E-04	7.83E-04	2.21E-05	2.45E-05	1.02E-03	1.71E-04	8.46E-10	2.94E-07	6.69E-07	1.72E-04	2.17E-04	7.83E-04	2.21E-05	2.45E-05	1.05E-03
6003	482623.97	3853370.48	0.04577	0.02527	0.0034	0.00748	1.85E-04	7.54E-04	2.18E-05	2.36E-05	9.84E-04	1.68E-04	8.14E-10	2.90E-07	6.44E-07	1.69E-04	2.14E-04	7.54E-04	2.18E-05	2.36E-05	1.01E-03
6004	482601.94	3853294.84	0.04556	0.02431	0.0034	0.00721	1.84E-04	7.25E-04	2.15E-05	2.28E-05	9.54E-04	1.68E-04	7.84E-10	2.87E-07	6.21E-07	1.68E-04	2.13E-04	7.25E-04	2.15E-05	2.28E-05	9.83E-04
6005	482531.29	3853133.44	0.04494	0.02237	0.0033	0.00669	1.82E-04	6.67E-04	2.08E-05	2.11E-05	8.91E-04	1.65E-04	7.21E-10	2.77E-07	5.76E-07	1.66E-04	2.10E-04	6.67E-04	2.08E-05	2.11E-05	9.19E-04
6006	482482.68	3853047.69	0.04439	0.02133	0.0032	0.00642	1.79E-04	6.36E-04	2.05E-05	2.03E-05	8.57E-04	1.63E-04	6.87E-10	2.73E-07	5.53E-07	1.64E-04	2.08E-04	6.36E-04	2.05E-05	2.03E-05	8.85E-04
6007	482383.09	3852897.4	0.04263	0.01995	0.0031	0.00599	1.72E-04	5.95E-04	1.99E-05	1.89E-05	8.06E-04	1.57E-04	6.43E-10	2.65E-07	5.16E-07	1.58E-04	1.99E-04	5.95E-04	1.99E-05	1.89E-05	8.33E-04
6008	482265.64	3852765.26	0.04035	0.01885	0.0031	0.00563	1.63E-04	5.62E-04	1.95E-05	1.78E-05	7.63E-04	1.48E-04	6.08E-10	2.59E-07	4.85E-07	1.49E-04	1.89E-04	5.62E-04	1.95E-05	1.78E-05	7.88E-04
6009	482199.16	3852697.66	0.03914	0.01833	0.003	0.00545	1.58E-04	5.47E-04	1.93E-05	1.72E-05	7.42E-04	1.44E-04	5.91E-10	2.57E-07	4.69E-07	1.45E-04	1.83E-04	5.47E-04	1.93E-05	1.72E-05	7.66E-04
6010	482132.69	3852630.07	0.03802	0.01782	0.003	0.0053	1.54E-04	5.32E-04	1.90E-05	1.67E-05	7.21E-04	1.40E-04	5.74E-10	2.53E-07	4.56E-07	1.40E-04	1.78E-04	5.32E-04	1.90E-05	1.67E-05	7.45E-04
6011	482066.21	3852562.48	0.03693	0.01736	0.003	0.00516	1.49E-04	5.18E-04	1.88E-05	1.63E-05	7.02E-04	1.36E-04	5.60E-10	2.51E-07	4.44E-07	1.36E-04	1.73E-04	5.18E-04	1.88E-05	1.63E-05	7.26E-04
6012	481999.74	3852494.89	0.03586	0.01697	0.0029	0.00504	1.45E-04	5.06E-04	1.86E-05	1.59E-05	6.86E-04	1.32E-04	5.47E-10	2.47E-07	4.34E-07	1.33E-04	1.68E-04	5.06E-04	1.86E-05	1.59E-05	7.08E-04
6013	481933.26	3852427.29	0.03485	0.01662	0.0029	0.00492	1.41E-04	4.96E-04	1.84E-05	1.55E-05	6.71E-04	1.28E-04	5.36E-10	2.45E-07	4.24E-07	1.29E-04	1.63E-04	4.96E-04	1.84E-05	1.55E-05	6.93E-04
6014	481866.79	3852359.7	0.03394	0.01623	0.0029	0.00481	1.37E-04	4.84E-04	1.82E-05	1.52E-05	6.55E-04	1.25E-04	5.23E-10	2.42E-07	4.14E-07	1.25E-04	1.59E-04	4.84E-04	1.82E-05	1.52E-05	6.76E-04
6015	481800.31	3852292.11	0.03308	0.01585	0.0028	0.00471	1.34E-04	4.73E-04	1.79E-05	1.49E-05	6.39E-04	1.22E-04	5.11E-10	2.39E-07	4.06E-07	1.22E-04	1.55E-04	4.73E-04	1.79E-05	1.49E-05	6.60E-04
6016	481733.84	3852224.52	0.03223	0.01553	0.0028	0.00462	1.30E-04	4.63E-04	1.77E-05	1.46E-05	6.26E-04	1.18E-04	5.01E-10	2.36E-07	3.98E-07	1.19E-04	1.51E-04	4.63E-04	1.77E-05	1.46E-05	6.46E-04
6017	481667.36	3852156.92	0.03146	0.01517	0.0028	0.00454	1.27E-04	4.53E-04	1.75E-05	1.43E-05	6.12E-04	1.16E-04	4.89E-10	2.34E-07	3.91E-07	1.16E-04	1.47E-04	4.53E-04	1.75E-05	1.43E-05	6.32E-04
6018	481600.89	3852089.33	0.03063	0.01498	0.0027	0.00445	1.24E-04	4.47E-04	1.73E-05	1.41E-05	6.02E-04	1.13E-04	4.83E-10	2.31E-07	3.83E-07	1.13E-04	1.43E-04	4.47E-04	1.73E-05	1.41E-05	6.22E-04
6019	481534.41	3852021.74	0.02982	0.01484	0.0027	0.00437	1.21E-04	4.43E-04	1.72E-05	1.38E-05	5.94E-04	1.10E-04	4.78E-10	2.30E-07	3.76E-07	1.10E-04	1.39E-04	4.43E-04	1.72E-05	1.38E-05	6.13E-04
6020	481467.94	3851954.15	0.02907	0.01467	0.0027	0.00429	1.18E-04	4.38E-04	1.70E-05	1.35E-05	5.86E-04	1.07E-04	4.73E-10	2.27E-07	3.69E-07	1.07E-04	1.36E-04	4.38E-04	1.70E-05	1.35E-05	6.04E-04
6021	481401.46	3851886.55	0.02838	0.01443	0.0026	0.00421	1.15E-04	4.30E-04	1.68E-05	1.33E-05	5.75E-04	1.04E-04	4.65E-10	2.25E-07	3.63E-07	1.05E-04	1.33E-04	4.30E-04	1.68E-05	1.33E-05	5.93E-04
6022	481265.87	3851761.43	0.02694	0.01414	0.0026	0.00407	1.09E-04	4.22E-04	1.66E-05	1.29E-05	5.60E-04	9.90E-05	4.56E-10	2.21E-07	3.50E-07	9.96E-05	1.26E-04	4.22E-04	1.66E-05	1.29E-05	5.77E-04
6023	481196.74	3851703.89	0.02624	0.01397	0.0026	0.00401	1.06E-04	4.17E-04	1.64E-05	1.27E-05	5.52E-04	9.65E-05	4.50E-10	2.19E-07	3.45E-07	9.70E-05	1.23E-04	4.17E-04	1.64E-05	1.27E-05	5.69E-04
6024	481076.33	3851619.04	0.02498	0.01377	0.0025	0.00391	1.01E-04	4.11E-04	1.62E-05	1.23E-05	5.40E-04	9.18E-05	4.44E-10	2.16E-07	3.37E-07	9.24E-05	1.17E-04	4.11E-04	1.62E-05	1.23E-05	5.56E-04
6025	480939.8	3851549.07	0.02348	0.01353	0.0025	0.00382	9.49E-05	4.04E-04	1.61E-05	1.21E-05	5.27E-04	8.63E-05	4.36E-10	2.14E-07	3.29E-07	8.69E-05	1.10E-04	4.04E-04	1.61E-05	1.21E-05	5.42E-04
6026	480854.56	3851506.41	0.02255	0.01338	0.0025	0.00376	9.12E-05	3.99E-04	1.59E-05	1.19E-05	5.18E-04	8.29E-05	4.31E-10	2.13E-07	3.24E-07	8.34E-05	1.05E-04	3.99E-04	1.59E-05	1.19E-05	5.32E-04
6027	480769.32	3851463.75	0.02166	0.01319	0.0025	0.00372	8.76E-05	3.94E-04	1.59E-05	1.17E-05	5.09E-04	7.96E-05	4.25E-10	2.12E-07	3.20E-07	8.02E-05	1.01E-04	3.94E-04	1.59E-05	1.17E-05	5.22E-04
6028	480684.08	3851421.08	0.02081	0.01301	0.0025	0.00367	8.41E-05	3.88E-04	1.58E-05	1.16E-05	5.00E-04	7.65E-05	4.19E-10	2.11E-07	3.16E-07	7.70E-05	9.73E-05	3.88E-04	1.58E-05	1.16E-05	5.13E-04
6029	480598.84	3851378.42	0.01999	0.01292	0.0025	0.00362	8.08E-05	3.85E-04	1.58E-05	1.14E-05	4.93E-04	7.35E-05	4.16E-10	2.10E-07	3.12E-07	7.40E-05	9.35E-05	3.85E-04	1.58E-05	1.14E-05	5.06E-04
6030	480435.71	3851275.01	0.01868	0.0126	0.0024	0.00354	7.55E-05	3.76E-04	1.55E-05	1.12E-05	4.78E-04	6.87E-05	4.06E-10	2.07E-07	3.05E-07	6.92E-05	8.74E-05	3.76E-04	1.55E-05	1.12E-05	4.90E-04
6031	480347.85	3851232.36	0.01796	0.01251	0.0024	0.0035	7.26E-05	3.73E-04	1.54E-05	1.11E-05	4.72E-04	6.60E-05	4.03E-10	2.06E-07	3.01E-07	6.65E-05	8.40E-05	3.73E-04	1.54E-05	1.11E-05	4.84E-04
6032	480260	3851189.72	0.01729	0.01242	0.0024	0.00346	6.99E-05	3.71E-04	1.54E-05	1.09E-05	4.67E-04	6.36E-05	4.00E-10	2.05E-07	2.98E-07	6.41E-05	8.09E-05	3.71E-04	1.54E-05	1.09E-05	4.78E-04
6033	480172.15	3851147.07	0.01668	0.01231	0.0024	0.00343	6.74E-05	3.67E-04	1.53E-05	1.08E-05	4.61E-04	6.13E-05	3.97E-10	2.04E-07	2.95E-07	6.18E-05	7.80E-05	3.67E-04	1.53E-05	1.08E-05	4.71E-04
6034	480084.29	3851104.42	0.01611	0.01218	0.0024	0.0034	6.51E-05	3.63E-04	1.52E-05	1.07E-05	4.54E-04	5.92E-05	3.93E-10	2.03E-07	2.93E-07	5.97E-05	7.53E-05	3.63E-04	1.52E-05	1.07E-05	4.65E-04
6035	479996.44	3851061.77	0.0156	0.01203	0.0024	0.00337	6.31E-05	3.59E-04	1.51E-05	1.06E-05	4.48E-04	5.74E-05	3.88E-10	2.02E-07	2.90E-07	5.78E-05	7.30E-05	3.59E-04	1.51E-05	1.06E-05	4.58E-04

6036	479908.58	3851019.13	0.01512	0.01166	0.0024	0.00335	6.11E-05	3.48E-04	1.51E-05	1.06E-05	4.35E-04	5.56E-05	3.76E-10	2.01E-07	2.88E-07	5.61E-05	7.07E-05	3.48E-04	1.51E-05	1.06E-05	4.44E-04
6037	479820.73	3850976.48	0.01469	0.01154	0.0024	0.00333	5.94E-05	3.44E-04	1.50E-05	1.05E-05	4.29E-04	5.40E-05	3.72E-10	2.00E-07	2.87E-07	5.45E-05	6.87E-05	3.44E-04	1.50E-05	1.05E-05	4.38E-04
6038	479732.88	3850933.83	0.0143	0.01145	0.0023	0.0033	5.78E-05	3.42E-04	1.49E-05	1.04E-05	4.25E-04	5.26E-05	3.69E-10	1.98E-07	2.84E-07	5.31E-05	6.69E-05	3.42E-04	1.49E-05	1.04E-05	4.34E-04
6039	479645.02	3850891.18	0.01395	0.01138	0.0023	0.00327	5.64E-05	3.40E-04	1.48E-05	1.03E-05	4.21E-04	5.13E-05	3.67E-10	1.97E-07	2.82E-07	5.18E-05	6.52E-05	3.40E-04	1.48E-05	1.03E-05	4.30E-04
6040	479557.17	3850848.54	0.01363	0.01136	0.0023	0.00324	5.51E-05	3.39E-04	1.47E-05	1.02E-05	4.19E-04	5.01E-05	3.66E-10	1.96E-07	2.79E-07	5.06E-05	6.37E-05	3.39E-04	1.47E-05	1.02E-05	4.28E-04
6041	479469.32	3850805.89	0.01334	0.0112	0.0023	0.00321	5.39E-05	3.34E-04	1.47E-05	1.01E-05	4.13E-04	4.90E-05	3.61E-10	1.96E-07	2.76E-07	4.95E-05	6.24E-05	3.34E-04	1.47E-05	1.01E-05	4.21E-04
6042	479381.46	3850763.24	0.01309	0.01124	0.0023	0.00318	5.29E-05	3.35E-04	1.46E-05	1.00E-05	4.13E-04	4.81E-05	3.62E-10	1.95E-07	2.74E-07	4.86E-05	6.12E-05	3.35E-04	1.46E-05	1.00E-05	4.21E-04
6043	479293.61	3850720.59	0.01286	0.01138	0.0023	0.00314	5.20E-05	3.40E-04	1.45E-05	9.91E-06	4.16E-04	4.73E-05	3.67E-10	1.94E-07	2.70E-07	4.77E-05	6.01E-05	3.40E-04	1.45E-05	9.91E-06	4.24E-04
6044	479205.76	3850677.95	0.01266	0.01145	0.0023	0.00311	5.12E-05	3.42E-04	1.45E-05	9.82E-06	4.17E-04	4.65E-05	3.69E-10	1.93E-07	2.68E-07	4.70E-05	5.92E-05	3.42E-04	1.45E-05	9.82E-06	4.25E-04
6045	479117.9	3850635.3	0.01247	0.01157	0.0023	0.00307	5.04E-05	3.45E-04	1.44E-05	9.69E-06	4.20E-04	4.58E-05	3.73E-10	1.92E-07	2.64E-07	4.63E-05	5.83E-05	3.45E-04	1.44E-05	9.69E-06	4.28E-04
6046	479030.05	3850592.65	0.01229	0.0116	0.0023	0.00304	4.97E-05	3.46E-04	1.44E-05	9.60E-06	4.20E-04	4.52E-05	3.74E-10	1.91E-07	2.62E-07	4.56E-05	5.75E-05	3.46E-04	1.44E-05	9.60E-06	4.27E-04
6047	478942.19	3850550	0.01213	0.01141	0.0022	0.00302	4.90E-05	3.40E-04	1.43E-05	9.54E-06	4.13E-04	4.46E-05	3.68E-10	1.91E-07	2.60E-07	4.50E-05	5.67E-05	3.40E-04	1.43E-05	9.54E-06	4.21E-04
6048	478854.34	3850507.36	0.01182	0.01088	0.0022	0.003	4.78E-05	3.25E-04	1.42E-05	9.47E-06	3.96E-04	4.35E-05	3.51E-10	1.89E-07	2.58E-07	4.39E-05	5.53E-05	3.25E-04	1.42E-05	9.47E-06	4.03E-04
6049	478766.49	3850464.71	0.01163	0.01065	0.0022	0.00298	4.70E-05	3.18E-04	1.40E-05	9.41E-06	3.88E-04	4.28E-05	3.43E-10	1.87E-07	2.57E-07	4.32E-05	5.44E-05	3.18E-04	1.40E-05	9.41E-06	3.96E-04
6050	478678.63	3850422.06	0.01149	0.0105	0.0022	0.00296	4.64E-05	3.13E-04	1.40E-05	9.35E-06	3.83E-04	4.22E-05	3.38E-10	1.86E-07	2.55E-07	4.27E-05	5.37E-05	3.13E-04	1.40E-05	9.35E-06	3.90E-04
6051	478590.78	3850379.41	0.01136	0.0103	0.0022	0.00293	4.59E-05	3.07E-04	1.39E-05	9.25E-06	3.76E-04	4.18E-05	3.32E-10	1.85E-07	2.52E-07	4.22E-05	5.31E-05	3.07E-04	1.39E-05	9.25E-06	3.84E-04
6052	478502.93	3850336.77	0.01125	0.01018	0.0022	0.00291	4.55E-05	3.04E-04	1.38E-05	9.19E-06	3.72E-04	4.14E-05	3.28E-10	1.84E-07	2.51E-07	4.18E-05	5.26E-05	3.04E-04	1.38E-05	9.19E-06	3.79E-04
6053	478415.07	3850294.12	0.01116	0.0101	0.0022	0.00289	4.51E-05	3.01E-04	1.37E-05	9.12E-06	3.69E-04	4.10E-05	3.26E-10	1.83E-07	2.49E-07	4.15E-05	5.22E-05	3.01E-04	1.37E-05	9.12E-06	3.76E-04
6054	478327.22	3850251.47	0.01105	0.00988	0.0021	0.00286	4.47E-05	2.95E-04	1.37E-05	9.03E-06	3.62E-04	4.06E-05	3.18E-10	1.82E-07	2.46E-07	4.11E-05	5.17E-05	2.95E-04	1.37E-05	9.03E-06	3.69E-04
6055	478239.36	3850208.82	0.01094	0.0097	0.0021	0.00284	4.42E-05	2.89E-04	1.36E-05	8.97E-06	3.56E-04	4.02E-05	3.13E-10	1.81E-07	2.45E-07	4.06E-05	5.12E-05	2.89E-04	1.36E-05	8.97E-06	3.63E-04
6056	478151.51	3850166.18	0.01085	0.00954	0.0021	0.00282	4.39E-05	2.85E-04	1.35E-05	8.90E-06	3.51E-04	3.99E-05	3.07E-10	1.79E-07	2.43E-07	4.03E-05	5.07E-05	2.85E-04	1.35E-05	8.90E-06	3.58E-04
6057	478063.66	3850123.53	0.01076	0.00939	0.0021	0.0028	4.35E-05	2.80E-04	1.34E-05	8.84E-06	3.46E-04	3.96E-05	3.03E-10	1.79E-07	2.41E-07	4.00E-05	5.03E-05	2.80E-04	1.34E-05	8.84E-06	3.53E-04
6058	477975.8	3850080.88	0.01073	0.00971	0.0021	0.00278	4.34E-05	2.90E-04	1.33E-05	8.78E-06	3.55E-04	3.94E-05	3.13E-10	1.78E-07	2.39E-07	3.99E-05	5.02E-05	2.90E-04	1.33E-05	8.78E-06	3.62E-04
6059	477887.95	3850038.23	0.01066	0.00967	0.0021	0.00276	4.31E-05	2.88E-04	1.33E-05	8.71E-06	3.54E-04	3.92E-05	3.12E-10	1.77E-07	2.38E-07	3.96E-05	4.99E-05	2.88E-04	1.33E-05	8.71E-06	3.60E-04
6060	477800.1	3849995.59	0.01059	0.00967	0.0021	0.00274	4.28E-05	2.88E-04	1.31E-05	8.65E-06	3.53E-04	3.89E-05	3.12E-10	1.75E-07	2.36E-07	3.93E-05	4.95E-05	2.88E-04	1.31E-05	8.65E-06	3.60E-04
6061	477712.24	3849952.94	0.0105	0.00953	0.0021	0.00273	4.24E-05	2.84E-04	1.31E-05	8.62E-06	3.48E-04	3.86E-05	3.07E-10	1.74E-07	2.35E-07	3.90E-05	4.91E-05	2.84E-04	1.31E-05	8.62E-06	3.55E-04
6062	477624.39	3849910.29	0.01041	0.00938	0.002	0.00271	4.21E-05	2.80E-04	1.30E-05	8.56E-06	3.43E-04	3.83E-05	3.02E-10	1.73E-07	2.33E-07	3.87E-05	4.87E-05	2.80E-04	1.30E-05	8.56E-06	3.50E-04
6063	477536.54	3849867.64	0.01032	0.00925	0.002	0.0027	4.17E-05	2.76E-04	1.29E-05	8.52E-06	3.39E-04	3.79E-05	2.98E-10	1.73E-07	2.32E-07	3.83E-05	4.83E-05	2.76E-04	1.29E-05	8.52E-06	3.46E-04
6064	477448.68	3849825	0.01022	0.00904	0.002	0.00268	4.13E-05	2.70E-04	1.28E-05	8.46E-06	3.32E-04	3.76E-05	2.91E-10	1.71E-07	2.31E-07	3.80E-05	4.78E-05	2.70E-04	1.28E-05	8.46E-06	3.39E-04
6065	477360.83	3849782.35	0.01013	0.00884	0.002	0.00267	4.09E-05	2.64E-04	1.28E-05	8.43E-06	3.26E-04	3.72E-05	2.85E-10	1.70E-07	2.30E-07	3.76E-05	4.74E-05	2.64E-04	1.28E-05	8.43E-06	3.32E-04
6066	477272.97	3849739.7	0.01003	0.00861	0.002	0.00266	4.05E-05	2.57E-04	1.27E-05	8.40E-06	3.19E-04	3.69E-05	2.78E-10	1.69E-07	2.29E-07	3.73E-05	4.69E-05	2.57E-04	1.27E-05	8.40E-06	3.25E-04
6067	477185.12	3849697.05	0.00994	0.00843	0.002	0.00265	4.02E-05	2.51E-04	1.26E-05	8.37E-06	3.13E-04	3.65E-05	2.72E-10	1.68E-07	2.28E-07	3.69E-05	4.65E-05	2.51E-04	1.26E-05	8.37E-06	3.19E-04
6068	477097.27	3849654.41	0.00984	0.00821	0.002	0.00263	3.98E-05	2.45E-04	1.25E-05	8.30E-06	3.06E-04	3.62E-05	2.65E-10	1.67E-07	2.26E-07	3.66E-05	4.60E-05	2.45E-04	1.25E-05	8.30E-06	3.12E-04
6069	477009.41	3849611.76	0.00973	0.00786	0.002	0.00262	3.93E-05	2.34E-04	1.24E-05	8.27E-06	2.95E-04	3.58E-05	2.53E-10	1.66E-07	2.26E-07	3.62E-05	4.55E-05	2.34E-04	1.24E-05	8.27E-06	3.01E-04
6070	476841.49	3849530.08	0.00954	0.00742	0.0019	0.0026	3.86E-05	2.21E-04	1.22E-05	8.21E-06	2.80E-04	3.51E-05	2.39E-10	1.63E-07	2.24E-07	3.55E-05	4.46E-05	2.21E-04	1.22E-05	8.21E-06	2.86E-04
6071	476761.41	3849491.05	0.00946	0.00727	0.0019	0.00259	3.82E-05	2.17E-04	1.22E-05	8.18E-06	2.75E-04	3.48E-05	2.34E-10	1.62E-07	2.23E-07	3.52E-05	4.42E-05	2.17E-04	1.22E-05	8.18E-06	2.81E-04
6072	476681.34	3849452.02	0.00937	0.00705	0.0019	0.00258	3.79E-05	2.10E-04	1.21E-05	8.15E-06	2.68E-04	3.44E-05	2.27E-10	1.62E-07	2.22E-07	3.48E-05	4.38E-05	2.10E-04	1.21E-05	8.15E-06	2.74E-04
6073	476601.26	3849412.99	0.00927	0.00681	0.0019	0.00257	3.75E-05	2.03E-04	1.21E-05	8.11E-06	2.61E-04	3.41E-05	2.19E-10	1.61E-07	2.21E-07	3.45E-05	4.34E-05	2.03E-04	1.21E-05	8.11E-06	2.67E-04
6074	476456.32	3849353.67	0.00911	0.00629	0.0019	0.00256	3.68E-05	1.88E-04	1.19E-05	8.08E-06	2.44E-04	3.35E-05	2.03E-10	1.59E-07	2.20E-07	3.39E-05	4.26E-05	1.88E-04	1.19E-05	8.08E-06	2.50E-04
6075	476305.43	3849318.83	0.00906	0.00611	0.0019	0.00255	3.66E-05	1.82E-04	1.18E-05	8.05E-06	2.39E-04	3.33E-05	1.97E-10	1.57E-07	2.20E-07	3.37E-05	4.24E-05	1.82E-04	1.18E-05	8.05E-06	2.45E-04
6076	476129.36	3849289.99	0.00901	0.0058	0.0018	0.00255	3.64E-05	1.73E-04	1.17E-05	8.05E-06	2.29E-04	3.31E-05	1.87E-10	1.56E-07	2.20E-07	3.35E-05	4.21E-05	1.73E-04	1.17E-05	8.05E-06	2.35E-04
6077	476039.31	3849275.68	0.00899	0.00567	0.0018	0.00255	3.63E-05	1.69E-04	1.16E-05	8.05E-06	2.25E-04	3.31E-05	1.83E-10	1.55E-07	2.20E-07	3.34E-05	4.20E-05	1.69E-04	1.16E-05	8.05E-06	2.31E-04
6078	475949.26	3849261.38	0.00893	0.00543	0.0018	0.00255	3.61E-05	1.62E-04	1.15E-05	8.05E-06	2.18E-04	3.28E-05	1.75E-10	1.54E-07	2.20E-07	3.32E-05	4.18E-05	1.62E-04	1.15E-05	8.05E-06	2.23E-04
6079	475859.21	3849247.08	0.0089	0.00532	0.0018	0.00255	3.60E-05	1.59E-04	1.15E-05	8.05E-06	2.14E-04	3.27E-05	1.71E-10	1.53E-07	2.20E-07	3.31E-05	4.16E-05	1.59E-04	1.15E-05	8.05E-06	2.20E-04
6080	475769.16	3849232.77	0.00886	0.00518	0.0018	0.00255	3.58E-05	1.55E-04	1.14E-05	8.05E-06	2.10E-04	3.26E-05	1.67E-10	1.52E-07	2.20E-07	3.29E-05	4.14E-05	1.55E-04	1.14E-05	8.05E-06	2.15E-04
6081	475585.22	3849219.27	0.00824	0.00421	0.0018	0.00254	3.33E-05	1.26E-04	1.14E-05	8.02E-06	1.78E-04	3.03E-05	1.36E-10	1.51E-07	2.19E-07	3.07E-05	3.85E-05	1.26E-04	1.14E-05	8.02E-06	1.84E-04
6082	475444.49	3849150.35	0.00852	0.00464	0.0018	0.00253	3.44E-05	1.38E-04	1.13E-05	7.99E-06	1.92E-04	3.13E-05	1.50E-10	1.51E-07	2.18E-07	3.17E-05	3.98E-05	1.38E-04	1.13E-05	7.99E-06	1.98E-04
6083	475334.17	3849118.71	0.00853	0.00472	0.0018	0.00252	3.45E-05	1.41E-04	1.12E-05	7.96E-06	1.94E-04	3.14E-05	1.52E-10	1.50E-07	2.17E-07	3.17E-05	3.99E-05	1.41E-04	1.12E-05	7.96E-06	2.00E-04
6084	475230.47	3849060.56	0.00842	0.00467	0.0018	0.00251	3.40E-05	1.39E-04	1.12E-05	7.93E-06	1.92E-04	3.10E-05	1.51E-10	1.49E-07	2.16E-07	3.13E-05	3.94E-05	1.39E-04	1.12E-05	7.93E-06	1.98E-04
6085	475110.86	3848960.97	0.00821	0.00456	0.0017	0.00248	3.32E-05	1.36E-04	1.10E-05	7.83E-06	1.88E-04	3.02E-05	1.47E-10	1.47E-07	2.14E-07	3.05E-05	3.84E-05	1.36E-04	1.10E-05	7.83E-06	1.93E-04
6086	475037.79	3848896.28	0.00805	0.00444	0.0017	0.00246	3.25E-05	1.32E-04	1.10E-05	7.77E-06	1.84E-04	2.96E-05	1.43E-10	1.46E-07	2.12E-07	3.00E-05	3.76E-05	1.32E-04	1.10E-05	7.77E-06	1.89E-04
6087	474964.72	3848831.59	0.00789	0.00434	0.0017	0.00244	3.19E-05	1.29E-04	1.09E-05	7.70E-06	1.80E-04	2.90E-05	1.40E-10	1.45E-07	2.10E-07	2.94E-05	3.69E-05	1.29E-04	1.09E-05	7.70E-06	1.85E-04
6088	474891.65	3848766.9	0.00777	0.00428	0.0017	0.00242	3.14E-05	1.28E-04	1.08E-05	7.64E-06	1.78E-04	2.86E-05	1.38E-10	1.45E-07	2.08E-07	2.89E-05	3.63E-05	1.28E-04	1.08E-05	7.64E-06	1.83E-04
6089	474818.58	3848702.21	0.00767	0.00425	0.0017	0.00241	3.10E-05	1.27E-04	1.08E-05	7.61E-06	1.76E-04	2.82E-05	1.37E-10	1.44E-07	2.08E-07	2.86E-05	3.59E-05	1.27E-04	1.08E-05	7.61E-06	1.81E-04
6090	474745.51	3848637.53	0.00765	0.00432	0.0017	0.00239	3.09E-05	1.29E-04	1.07E-05	7.55E-06	1.78E-04	2.81E-05	1.39E-10	1.43E-07	2.06E-07	2.85E-05	3.58E-05	1.29E-04	1.07E-05	7.55E-06	1.83E-04
6091	474672.44	3848572.84	0.00756	0.00432	0.0017	0.00238	3.06E-05	1.29E-04	1.07E-05	7.51E-06	1.78E-04	2.78E-05	1.39E-10	1.42E-07	2.05E-07	2.81E-05	3.54E-05	1.29E-04	1.07E-05	7.51E-06	1.82E-04
6092	474599.37	3848508.15	0.00743	0.00422	0.0017	0.00236	3.00E-05	1.26E-04	1.06E-05	7.45E-06	1.74E-04	2.73E-05	1.36E-10	1.41E-07	2.03E-07	2.77E-05	3.47E-05	1.26E-04	1.06E-05	7.45E-06	1.79E-04
6093	474526.3	3848443.46	0.00733	0.00417	0.0017	0.00234	2.96E-05	1.24E-04	1.05E-05	7.39E-06	1.72E-04	2.69E-05	1.34E-10	1.40E-07	2.01E-07	2.73E-05	3.43E-05	1.24E-04	1.05E-05	7.39E-06	1.77E-04

			2033 Mitigated					2048 Unmitigated					2048 Mitigated				
			4.26E-03	7.65E-08	8.50E-05	8.61E-05		2.01E-03	3.15E-02	6.38E-03	3.16E-03		1.91E-03	6.27E-08	8.50E-05	8.61E-05	
			Concentration [ug/m^3]					Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARE	WHS (PAR	STCK1-10	STCK11-39	Total	CHE (PARE	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PAREA	WHS (PARE/	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	1.53E-03	4.12E-09	6.42E-07	2.81E-06	1.54E-03	7.23E-04	1.70E-03	4.82E-05	1.03E-04	2.57E-03	6.87E-04	3.38E-09	6.42E-07	2.81E-06	6.91E-04
2	486023.61	3854936.51	1.50E-03	4.06E-09	6.76E-07	2.82E-06	1.50E-03	7.07E-04	1.67E-03	5.07E-05	1.04E-04	2.53E-03	6.72E-04	3.33E-09	6.76E-07	2.82E-06	6.75E-04
3	486073.61	3854936.51	1.48E-03	4.02E-09	7.19E-07	2.83E-06	1.48E-03	6.98E-04	1.66E-03	5.39E-05	1.04E-04	2.51E-03	6.64E-04	3.30E-09	7.19E-07	2.83E-06	6.67E-04
4	486123.61	3854936.51	1.42E-03	3.93E-09	7.71E-07	2.84E-06	1.43E-03	6.72E-04	1.62E-03	5.78E-05	1.04E-04	2.45E-03	6.39E-04	3.23E-09	7.71E-07	2.84E-06	6.42E-04
5	486173.61	3854936.51	1.43E-03	3.94E-09	8.16E-07	2.85E-06	1.43E-03	6.73E-04	1.62E-03	6.12E-05	1.04E-04	2.46E-03	6.40E-04	3.23E-09	8.16E-07	2.85E-06	6.44E-04
6	486223.61	3854936.51	1.40E-03	3.89E-09	8.61E-07	2.85E-06	1.40E-03	6.58E-04	1.60E-03	6.46E-05	1.05E-04	2.43E-03	6.26E-04	3.19E-09	8.61E-07	2.85E-06	6.30E-04
7	486273.61	3854936.51	1.38E-03	3.85E-09	8.93E-07	2.86E-06	1.38E-03	6.49E-04	1.59E-03	6.70E-05	1.05E-04	2.41E-03	6.17E-04	3.16E-09	8.93E-07	2.86E-06	6.21E-04
8	486323.61	3854936.51	1.36E-03	3.83E-09	9.11E-07	2.86E-06	1.36E-03	6.41E-04	1.58E-03	6.83E-05	1.05E-04	2.39E-03	6.09E-04	3.14E-09	9.11E-07	2.86E-06	6.13E-04
9	485973.61	3854986.51	1.82E-03	4.41E-09	6.33E-07	2.94E-06	1.83E-03	8.60E-04	1.82E-03	4.75E-05	1.08E-04	2.83E-03	8.18E-04	3.62E-09	6.33E-07	2.94E-06	8.21E-04
10	486023.61	3854986.51	1.78E-03	4.36E-09	6.59E-07	2.95E-06	1.79E-03	8.41E-04	1.80E-03	4.94E-05	1.08E-04	2.79E-03	8.00E-04	3.58E-09	6.59E-07	2.95E-06	8.04E-04
11	486073.61	3854986.51	1.73E-03	4.29E-09	6.98E-07	2.96E-06	1.74E-03	8.17E-04	1.77E-03	5.24E-05	1.08E-04	2.75E-03	7.77E-04	3.52E-09	6.98E-07	2.96E-06	7.81E-04
12	486123.61	3854986.51	1.69E-03	4.23E-09	7.45E-07	2.96E-06	1.69E-03	7.95E-04	1.74E-03	5.59E-05	1.09E-04	2.70E-03	7.56E-04	3.47E-09	7.45E-07	2.96E-06	7.60E-04
13	486173.61	3854986.51	1.67E-03	4.21E-09	7.93E-07	2.97E-06	1.67E-03	7.85E-04	1.73E-03	5.94E-05	1.09E-04	2.69E-03	7.47E-04	3.45E-09	7.93E-07	2.97E-06	7.51E-04
14	486223.61	3854986.51	1.62E-03	4.14E-09	8.43E-07	2.97E-06	1.62E-03	7.64E-04	1.71E-03	6.32E-05	1.09E-04	2.64E-03	7.26E-04	3.40E-09	8.43E-07	2.97E-06	7.30E-04
15	486273.61	3854986.51	1.57E-03	4.08E-09	8.87E-07	2.98E-06	1.57E-03	7.40E-04	1.68E-03	6.65E-05	1.09E-04	2.60E-03	7.04E-04	3.35E-09	8.87E-07	2.98E-06	7.08E-04
16	486323.61	3854986.51	1.57E-03	4.09E-09	9.11E-07	2.98E-06	1.58E-03	7.42E-04	1.68E-03	6.83E-05	1.09E-04	2.60E-03	7.05E-04	3.36E-09	9.11E-07	2.98E-06	7.09E-04
17	485973.61	3855036.51	2.17E-03	4.73E-09	6.28E-07	3.07E-06	2.17E-03	1.02E-03	1.95E-03	4.71E-05	1.13E-04	3.13E-03	9.72E-04	3.88E-09	6.28E-07	3.07E-06	9.76E-04
18	486023.61	3855036.51	2.10E-03	4.66E-09	6.47E-07	3.08E-06	2.10E-03	9.90E-04	1.92E-03	4.85E-05	1.13E-04	3.07E-03	9.42E-04	3.83E-09	6.47E-07	3.08E-06	9.45E-04
19	486073.61	3855036.51	2.02E-03	4.57E-09	6.80E-07	3.09E-06	2.02E-03	9.51E-04	1.88E-03	5.10E-05	1.13E-04	3.00E-03	9.04E-04	3.75E-09	6.80E-07	3.09E-06	9.08E-04
20	486123.61	3855036.51	1.96E-03	4.51E-09	7.22E-07	3.10E-06	1.96E-03	9.23E-04	1.86E-03	5.42E-05	1.14E-04	2.95E-03	8.77E-04	3.70E-09	7.22E-07	3.10E-06	8.81E-04
21	486173.61	3855036.51	1.93E-03	4.48E-09	7.69E-07	3.10E-06	1.93E-03	9.08E-04	1.85E-03	5.77E-05	1.14E-04	2.93E-03	8.64E-04	3.68E-09	7.69E-07	3.10E-06	8.68E-04
22	486223.61	3855036.51	1.85E-03	4.40E-09	8.23E-07	3.11E-06	1.86E-03	8.74E-04	1.81E-03	6.17E-05	1.14E-04	2.86E-03	8.31E-04	3.61E-09	8.23E-07	3.11E-06	8.35E-04
23	486273.61	3855036.51	1.83E-03	4.38E-09	8.67E-07	3.11E-06	1.84E-03	8.64E-04	1.81E-03	6.51E-05	1.14E-04	2.85E-03	8.22E-04	3.60E-09	8.67E-07	3.11E-06	8.26E-04
24	486323.61	3855036.51	1.78E-03	4.33E-09	9.06E-07	3.11E-06	1.79E-03	8.41E-04	1.78E-03	6.79E-05	1.14E-04	2.81E-03	8.00E-04	3.55E-09	9.06E-07	3.11E-06	8.04E-04
25	485973.61	3855086.51	2.54E-03	5.05E-09	6.29E-07	3.22E-06	2.54E-03	1.20E-03	2.08E-03	4.72E-05	1.18E-04	3.45E-03	1.14E-03	4.15E-09	6.29E-07	3.22E-06	1.14E-03
26	486023.61	3855086.51	2.47E-03	5.00E-09	6.40E-07	3.23E-06	2.47E-03	1.16E-03	2.06E-03	4.80E-05	1.18E-04	3.39E-03	1.11E-03	4.10E-09	6.40E-07	3.23E-06	1.11E-03
27	486073.61	3855086.51	2.35E-03	4.89E-09	6.65E-07	3.24E-06	2.36E-03	1.11E-03	2.01E-03	4.99E-05	1.19E-04	3.29E-03	1.05E-03	4.01E-09	6.65E-07	3.24E-06	1.06E-03
28	486123.61	3855086.51	2.29E-03	4.84E-09	6.99E-07	3.24E-06	2.29E-03	1.08E-03	1.99E-03	5.24E-05	1.19E-04	3.24E-03	1.03E-03	3.97E-09	6.99E-07	3.24E-06	1.03E-03
29	486173.61	3855086.51	2.20E-03	4.75E-09	7.47E-07	3.25E-06	2.20E-03	1.04E-03	1.96E-03	5.60E-05	1.19E-04	3.17E-03	9.86E-04	3.90E-09	7.47E-07	3.25E-06	9.90E-04
30	486223.61	3855086.51	2.14E-03	4.70E-09	7.97E-07	3.25E-06	2.14E-03	1.01E-03	1.94E-03	5.98E-05	1.19E-04	3.13E-03	9.60E-04	3.86E-09	7.97E-07	3.25E-06	9.64E-04
31	485973.61	3855136.51	2.98E-03	5.43E-09	6.33E-07	3.38E-06	2.99E-03	1.41E-03	2.24E-03	4.75E-05	1.24E-04	3.81E-03	1.34E-03	4.45E-09	6.33E-07	3.38E-06	1.34E-03
32	486023.61	3855136.51	2.86E-03	5.34E-09	6.39E-07	3.39E-06	2.86E-03	1.35E-03	2.20E-03	4.79E-05	1.24E-04	3.72E-03	1.28E-03	4.38E-09	6.39E-07	3.39E-06	1.29E-03
33	486073.61	3855136.51	2.74E-03	5.24E-09	6.55E-07	3.40E-06	2.74E-03	1.29E-03	2.16E-03	4.91E-05	1.25E-04	3.62E-03	1.23E-03	4.30E-09	6.55E-07	3.40E-06	1.23E-03
34	486123.61	3855136.51	2.64E-03	5.17E-09	6.82E-07	3.41E-06	2.64E-03	1.24E-03	2.13E-03	5.12E-05	1.25E-04	3.55E-03	1.18E-03	4.24E-09	6.82E-07	3.41E-06	1.19E-03
35	486173.61	3855136.51	2.53E-03	5.08E-09	7.22E-07	3.41E-06	2.53E-03	1.19E-03	2.09E-03	5.42E-05	1.25E-04	3.47E-03	1.14E-03	4.17E-09	7.22E-07	3.41E-06	1.14E-03
36	486223.61	3855136.51	2.44E-03	5.01E-09	7.71E-07	3.41E-06	2.45E-03	1.15E-03	2.06E-03	5.78E-05	1.25E-04	3.40E-03	1.10E-03	4.11E-09	7.71E-07	3.41E-06	1.10E-03
37	485973.61	3855186.51	3.47E-03	5.82E-09	6.40E-07	3.55E-06	3.47E-03	1.64E-03	2.40E-03	4.80E-05	1.30E-04	4.21E-03	1.56E-03	4.78E-09	6.40E-07	3.55E-06	1.56E-03
38	486023.61	3855186.51	3.32E-03	5.73E-09	6.40E-07	3.56E-06	3.32E-03	1.56E-03	2.36E-03	4.80E-05	1.31E-04	4.10E-03	1.49E-03	4.70E-09	6.40E-07	3.56E-06	1.49E-03
39	486073.61	3855186.51	3.14E-03	5.60E-09	6.51E-07	3.57E-06	3.15E-03	1.48E-03	2.31E-03	4.88E-05	1.31E-04	3.97E-03	1.41E-03	4.59E-09	6.51E-07	3.57E-06	1.41E-03
40	486123.61	3855186.51	2.98E-03	5.48E-09	6.72E-07	3.58E-06	2.99E-03	1.41E-03	2.26E-03	5.04E-05	1.31E-04	3.85E-03	1.34E-03	4.50E-09	6.72E-07	3.58E-06	1.34E-03
41	486173.61	3855186.51	2.86E-03	5.40E-09	7.03E-07	3.58E-06	2.87E-03	1.35E-03	2.22E-03	5.28E-05	1.31E-04	3.76E-03	1.28E-03	4.43E-09	7.03E-07	3.58E-06	1.29E-03
42	486223.61	3855186.51	2.76E-03	5.32E-09	7.47E-07	3.57E-06	2.76E-03	1.30E-03	2.19E-03	5.60E-05	1.31E-04	3.68E-03	1.24E-03	4.36E-09	7.47E-07	3.57E-06	1.24E-03
43	486273.61	3855186.51	2.65E-03	5.23E-09	7.99E-07	3.56E-06	2.65E-03	1.25E-03	2.15E-03	6.00E-05	1.31E-04	3.59E-03	1.19E-03	4.29E-09	7.99E-07	3.56E-06	1.19E-03
44	486323.61	3855186.51	2.63E-03	5.25E-09	8.42E-07	3.55E-06	2.64E-03	1.24E-03	2.16E-03	6.31E-05	1.30E-04	3.60E-03	1.18E-03	4.31E-09	8.42E-07	3.55E-06	1.18E-03
45	485973.61	3855236.51	3.99E-03	6.23E-09	6.48E-07	3.75E-06	3.99E-03	1.88E-03	2.57E-03	4.86E-05	1.37E-04	4.63E-03	1.79E-03	5.11E-09	6.48E-07	3.75E-06	1.79E-03
46	486023.61	3855236.51	3.76E-03	6.09E-09	6.48E-07	3.76E-06	3.77E-03	1.77E-03	2.51E-03	4.86E-05	1.38E-04	4.47E-03	1.69E-03	4.99E-09	6.48E-07	3.76E-06	1.69E-03
47	486073.61	3855236.51	3.55E-03	5.94E-09	6.53E-07	3.76E-06	3.55E-03	1.67E-03	2.45E-03	4.90E-05	1.38E-04	4.31E-03	1.59E-03	4.87E-09	6.53E-07	3.76E-06	1.59E-03
48	486123.61	3855236.51	3.38E-03	5.83E-09	6.66E-07	3.76E-06	3.38E-03	1.59E-03	2.40E-03	4.99E-05	1.38E-04	4.19E-03	1.52E-03	4.79E-09	6.66E-07	3.76E-06	1.52E-03
49	486173.61	3855236.51	3.23E-03	5.74E-09	6.89E-07	3.75E-06	3.24E-03	1.53E-03	2.36E-03	5.17E-05	1.38E-04	4.08E-03	1.45E-03	4.71E-09	6.89E-07	3.75E-06	1.46E-03
50	486223.61	3855236.51	3.09E-03	5.64E-09	7.26E-07	3.74E-06	3.10E-03	1.46E-03	2.32E-03	5.45E-05	1.37E-04	3.97E-03	1.39E-03	4.63E-09	7.26E-07	3.74E-06	1.39E-03
51	486273.61	3855236.51	2.91E-03	5.50E-09	7.79E-07	3.72E-06	2.92E-03	1.37E-03	2.26E-03	5.84E-05	1.36E-04	3.83E-03	1.31E-03	4.51E-09	7.79E-07	3.72E-06	1.31E-03
52	486323.61	3855236.51	2.94E-03	5.57E-09	8.16E-07	3.69E-06	2.94E-03	1.39E-03	2.30E-03	6.12E-05	1.35E-04	3.88E-03	1.32E-03	4.57E-09	8.16E-07	3.69E-06	1.32E-03
53	485973.61	3855286.51	4.54E-03	6.65E-09	6.57E-07	3.95E-06	4.55E-03	2.14E-03	2.74E-03	4.93E-05	1.45E-04	5.07E-03	2.04E-03	5.45E-09	6.57E-07	3.95E-06	2.04E-03
54	486023.61	3855286.51	4.25E-03	6.48E-09	6.58E-07	3.96E-06	4.26E-03	2.01E-03	2.67E-03	4.94E-05	1.45E-04	4.87E-03	1.91E-03	5.31E-09	6.58E-07	3.96E-06	1.91E-03
55	486073.61	3855286.51	4.02E-03	6.33E-09	6.58E-07	3.95E-06	4.02E-03	1.89E-03	2.61E-03	4.94E-05	1.45E-04	4.70E-03	1.80E-03	5.20E-09	6.58E-07	3.95E-06	1.81E-03
56	486123.61	3855286.51	3.79E-03	6.19E-09	6.66E-07	3.94E-06	3.79E-03	1.79E-03	2.55E-03	4.99E-05	1.45E-04	4.53E-03	1.70E-03	5.08E-09	6.66E-07	3.94E-06	1.70E-03
57	486173.61	3855286.51	3.60E-03	6.07E-09	6.83E-07	3.92E-06	3.60E-03	1.70E-03	2.50E-03	5.12E-05	1.44E-04	4.39E-03	1.61E-03	4.98E-09	6.83E-07	3.92E-06	1.62E-03

58	486223.61	3855286.51	3.45E-03	5.98E-09	7.10E-07	3.90E-06	3.45E-03	1.63E-03	2.46E-03	5.33E-05	1.43E-04	4.29E-03	1.55E-03	4.91E-09	7.10E-07	3.90E-06	1.55E-03
59	486123.61	3855336.51	4.22E-03	6.56E-09	6.72E-07	4.12E-06	4.23E-03	1.99E-03	2.70E-03	5.04E-05	1.51E-04	4.90E-03	1.89E-03	5.38E-09	6.72E-07	4.12E-06	1.90E-03
60	486173.61	3855336.51	4.02E-03	6.45E-09	6.80E-07	4.09E-06	4.03E-03	1.90E-03	2.66E-03	5.10E-05	1.50E-04	4.75E-03	1.80E-03	5.29E-09	6.80E-07	4.09E-06	1.81E-03
61	486223.61	3855336.51	3.83E-03	6.33E-09	7.00E-07	4.06E-06	3.83E-03	1.80E-03	2.61E-03	5.25E-05	1.49E-04	4.62E-03	1.72E-03	5.20E-09	7.00E-07	4.06E-06	1.72E-03
62	486123.61	3855386.51	4.70E-03	6.97E-09	6.80E-07	4.30E-06	4.70E-03	2.22E-03	2.87E-03	5.10E-05	1.58E-04	5.29E-03	2.11E-03	5.72E-09	6.80E-07	4.30E-06	2.11E-03
63	486173.61	3855386.51	4.46E-03	6.84E-09	6.83E-07	4.27E-06	4.47E-03	2.10E-03	2.82E-03	5.12E-05	1.56E-04	5.13E-03	2.00E-03	5.61E-09	6.83E-07	4.27E-06	2.01E-03
64	486223.61	3855386.51	4.25E-03	6.73E-09	6.95E-07	4.23E-06	4.26E-03	2.01E-03	2.77E-03	5.21E-05	1.55E-04	4.99E-03	1.91E-03	5.52E-09	6.95E-07	4.23E-06	1.91E-03
65	486533.18	3855443.15	3.71E-03	6.63E-09	9.36E-07	4.21E-06	3.71E-03	1.75E-03	2.73E-03	7.02E-05	1.54E-04	4.71E-03	1.66E-03	5.44E-09	9.36E-07	4.21E-06	1.67E-03
66	486583.18	3855443.15	3.56E-03	6.54E-09	9.78E-07	4.18E-06	3.57E-03	1.68E-03	2.69E-03	7.34E-05	1.53E-04	4.60E-03	1.60E-03	5.37E-09	9.78E-07	4.18E-06	1.60E-03
67	486633.18	3855443.15	3.43E-03	6.45E-09	1.00E-06	4.15E-06	3.43E-03	1.62E-03	2.66E-03	7.53E-05	1.52E-04	4.50E-03	1.54E-03	5.29E-09	1.00E-06	4.15E-06	1.54E-03
68	486683.18	3855443.15	3.33E-03	6.39E-09	1.00E-06	4.12E-06	3.34E-03	1.57E-03	2.63E-03	7.53E-05	1.51E-04	4.43E-03	1.49E-03	5.25E-09	1.00E-06	4.12E-06	1.50E-03
69	486533.18	3855493.15	4.02E-03	7.00E-09	9.15E-07	4.40E-06	4.02E-03	1.89E-03	2.88E-03	6.86E-05	1.61E-04	5.01E-03	1.80E-03	5.74E-09	9.15E-07	4.40E-06	1.81E-03
70	486583.18	3855493.15	3.87E-03	6.91E-09	9.64E-07	4.36E-06	3.87E-03	1.82E-03	2.85E-03	7.23E-05	1.60E-04	4.90E-03	1.74E-03	5.67E-09	9.64E-07	4.36E-06	1.74E-03
71	486633.18	3855493.15	3.72E-03	6.81E-09	9.99E-07	4.33E-06	3.73E-03	1.76E-03	2.81E-03	7.49E-05	1.59E-04	4.79E-03	1.67E-03	5.59E-09	9.99E-07	4.33E-06	1.67E-03
72	486683.18	3855493.15	3.59E-03	6.72E-09	1.02E-06	4.29E-06	3.59E-03	1.69E-03	2.77E-03	7.62E-05	1.57E-04	4.69E-03	1.61E-03	5.51E-09	1.02E-06	4.29E-06	1.61E-03
73	486533.18	3855543.15	4.37E-03	7.40E-09	8.89E-07	4.60E-06	4.37E-03	2.06E-03	3.05E-03	6.67E-05	1.69E-04	5.34E-03	1.96E-03	6.07E-09	8.89E-07	4.60E-06	1.96E-03
74	486583.18	3855543.15	4.16E-03	7.26E-09	9.48E-07	4.55E-06	4.16E-03	1.96E-03	2.99E-03	7.11E-05	1.67E-04	5.19E-03	1.86E-03	5.95E-09	9.48E-07	4.55E-06	1.87E-03
75	486633.18	3855543.15	4.00E-03	7.16E-09	9.92E-07	4.51E-06	4.01E-03	1.89E-03	2.95E-03	7.44E-05	1.65E-04	5.08E-03	1.80E-03	5.88E-09	9.92E-07	4.51E-06	1.80E-03
76	486683.18	3855543.15	3.82E-03	7.02E-09	1.03E-06	4.47E-06	3.82E-03	1.80E-03	2.89E-03	7.71E-05	1.64E-04	4.93E-03	1.71E-03	5.76E-09	1.03E-06	4.47E-06	1.72E-03
77	486533.18	3855593.15	4.70E-03	7.79E-09	8.65E-07	4.80E-06	4.71E-03	2.22E-03	3.21E-03	6.49E-05	1.76E-04	5.67E-03	2.11E-03	6.40E-09	8.65E-07	4.80E-06	2.12E-03
78	486583.18	3855593.15	4.49E-03	7.66E-09	9.24E-07	4.75E-06	4.50E-03	2.12E-03	3.15E-03	6.93E-05	1.74E-04	5.52E-03	2.01E-03	6.28E-09	9.24E-07	4.75E-06	2.02E-03
79	486633.18	3855593.15	4.30E-03	7.53E-09	9.78E-07	4.70E-06	4.31E-03	2.03E-03	3.10E-03	7.34E-05	1.72E-04	5.38E-03	1.93E-03	6.18E-09	9.78E-07	4.70E-06	1.94E-03
80	486683.18	3855593.15	4.15E-03	7.44E-09	1.02E-06	4.64E-06	4.15E-03	1.96E-03	3.06E-03	7.63E-05	1.70E-04	5.27E-03	1.86E-03	6.11E-09	1.02E-06	4.64E-06	1.87E-03
81	486533.18	3855643.15	5.07E-03	8.22E-09	8.42E-07	5.01E-06	5.07E-03	2.39E-03	3.39E-03	6.31E-05	1.84E-04	6.02E-03	2.27E-03	6.75E-09	8.42E-07	5.01E-06	2.28E-03
82	486583.18	3855643.15	4.84E-03	8.08E-09	8.99E-07	4.94E-06	4.85E-03	2.28E-03	3.33E-03	6.74E-05	1.81E-04	5.86E-03	2.17E-03	6.63E-09	8.99E-07	4.94E-06	2.18E-03
83	486633.18	3855643.15	4.63E-03	7.94E-09	9.57E-07	4.88E-06	4.64E-03	2.18E-03	3.27E-03	7.18E-05	1.79E-04	5.71E-03	2.08E-03	6.52E-09	9.57E-07	4.88E-06	2.08E-03
84	486683.18	3855643.15	4.45E-03	7.82E-09	1.01E-06	4.82E-06	4.45E-03	2.10E-03	3.22E-03	7.55E-05	1.77E-04	5.57E-03	1.99E-03	6.42E-09	1.01E-06	4.82E-06	2.00E-03
85	486533.18	3855693.15	5.48E-03	8.70E-09	8.21E-07	5.21E-06	5.49E-03	2.59E-03	3.58E-03	6.16E-05	1.91E-04	6.42E-03	2.46E-03	7.14E-09	8.21E-07	5.21E-06	2.47E-03
86	486583.18	3855693.15	5.18E-03	8.50E-09	8.77E-07	5.14E-06	5.19E-03	2.44E-03	3.50E-03	6.58E-05	1.88E-04	6.20E-03	2.32E-03	6.97E-09	8.77E-07	5.14E-06	2.33E-03
87	486633.18	3855693.15	4.90E-03	8.29E-09	9.42E-07	5.07E-06	4.91E-03	2.31E-03	3.42E-03	7.07E-05	1.86E-04	5.98E-03	2.20E-03	6.80E-09	9.42E-07	5.07E-06	2.20E-03
88	486683.18	3855693.15	4.75E-03	8.22E-09	9.92E-07	4.99E-06	4.76E-03	2.24E-03	3.39E-03	7.44E-05	1.83E-04	5.89E-03	2.13E-03	6.75E-09	9.92E-07	4.99E-06	2.14E-03
89	486733.18	3855693.15	4.66E-03	8.21E-09	1.02E-06	4.92E-06	4.66E-03	2.20E-03	3.38E-03	7.66E-05	1.80E-04	5.84E-03	2.09E-03	6.74E-09	1.02E-06	4.92E-06	2.10E-03
90	486783.18	3855693.15	4.59E-03	8.23E-09	1.03E-06	4.84E-06	4.60E-03	2.17E-03	3.39E-03	7.72E-05	1.78E-04	5.81E-03	2.06E-03	6.75E-09	1.03E-06	4.84E-06	2.06E-03
91	486533.18	3855743.15	5.88E-03	9.17E-09	8.08E-07	5.41E-06	5.89E-03	2.77E-03	3.78E-03	6.06E-05	1.98E-04	6.81E-03	2.64E-03	7.52E-09	8.08E-07	5.41E-06	2.64E-03
92	486583.18	3855743.15	5.51E-03	8.90E-09	8.59E-07	5.33E-06	5.52E-03	2.60E-03	3.67E-03	6.44E-05	1.95E-04	6.52E-03	2.47E-03	7.30E-09	8.59E-07	5.33E-06	2.48E-03
93	486633.18	3855743.15	5.25E-03	8.73E-09	9.18E-07	5.25E-06	5.25E-03	2.47E-03	3.60E-03	6.88E-05	1.92E-04	6.33E-03	2.35E-03	7.16E-09	9.18E-07	5.25E-06	2.36E-03
94	486683.18	3855743.15	5.12E-03	8.69E-09	9.66E-07	5.16E-06	5.12E-03	2.41E-03	3.58E-03	7.25E-05	1.89E-04	6.25E-03	2.29E-03	7.13E-09	9.66E-07	5.16E-06	2.30E-03
95	486733.18	3855743.15	4.95E-03	8.61E-09	1.01E-06	5.07E-06	4.96E-03	2.34E-03	3.55E-03	7.59E-05	1.86E-04	6.14E-03	2.22E-03	7.06E-09	1.01E-06	5.07E-06	2.23E-03
96	486783.18	3855743.15	4.91E-03	8.66E-09	1.03E-06	4.99E-06	4.91E-03	2.31E-03	3.57E-03	7.70E-05	1.83E-04	6.14E-03	2.20E-03	7.10E-09	1.03E-06	4.99E-06	2.21E-03
97	486533.18	3855793.15	6.32E-03	9.66E-09	8.02E-07	5.60E-06	6.32E-03	2.98E-03	3.98E-03	6.01E-05	2.05E-04	7.23E-03	2.83E-03	7.93E-09	8.02E-07	5.60E-06	2.84E-03
98	486583.18	3855793.15	5.83E-03	9.29E-09	8.48E-07	5.51E-06	5.83E-03	2.75E-03	3.83E-03	6.36E-05	2.02E-04	6.84E-03	2.61E-03	7.62E-09	8.48E-07	5.51E-06	2.62E-03
99	486633.18	3855793.15	5.66E-03	9.24E-09	8.90E-07	5.41E-06	5.67E-03	2.67E-03	3.80E-03	6.68E-05	1.98E-04	6.74E-03	2.54E-03	7.58E-09	8.90E-07	5.41E-06	2.55E-03
100	486683.18	3855793.15	5.52E-03	9.20E-09	9.37E-07	5.31E-06	5.52E-03	2.60E-03	3.79E-03	7.03E-05	1.95E-04	6.66E-03	2.47E-03	7.55E-09	9.37E-07	5.31E-06	2.48E-03
101	486733.18	3855793.15	5.35E-03	9.13E-09	9.85E-07	5.21E-06	5.36E-03	2.53E-03	3.76E-03	7.39E-05	1.91E-04	6.55E-03	2.40E-03	7.49E-09	9.85E-07	5.21E-06	2.41E-03
102	486783.18	3855793.15	5.22E-03	9.08E-09	1.02E-06	5.12E-06	5.22E-03	2.46E-03	3.74E-03	7.65E-05	1.88E-04	6.47E-03	2.34E-03	7.45E-09	1.02E-06	5.12E-06	2.35E-03
103	486533.18	3855843.15	6.69E-03	1.01E-08	8.05E-07	5.77E-06	6.70E-03	3.16E-03	4.16E-03	6.04E-05	2.12E-04	7.59E-03	3.00E-03	8.28E-09	8.05E-07	5.77E-06	3.01E-03
104	486583.18	3855843.15	6.25E-03	9.79E-09	8.37E-07	5.66E-06	6.26E-03	2.95E-03	4.03E-03	6.28E-05	2.08E-04	7.25E-03	2.80E-03	8.03E-09	8.37E-07	5.66E-06	2.81E-03
105	486633.18	3855843.15	6.07E-03	9.73E-09	8.71E-07	5.55E-06	6.08E-03	2.86E-03	4.01E-03	6.53E-05	2.03E-04	7.14E-03	2.72E-03	7.99E-09	8.71E-07	5.55E-06	2.73E-03
106	486683.18	3855843.15	5.91E-03	9.69E-09	9.14E-07	5.44E-06	5.91E-03	2.79E-03	3.99E-03	6.86E-05	1.99E-04	7.04E-03	2.65E-03	7.95E-09	9.14E-07	5.44E-06	2.66E-03
107	486733.18	3855843.15	5.75E-03	9.64E-09	9.60E-07	5.33E-06	5.75E-03	2.71E-03	3.97E-03	7.20E-05	1.95E-04	6.95E-03	2.58E-03	7.91E-09	9.60E-07	5.33E-06	2.58E-03
108	486783.18	3855843.15	5.58E-03	9.58E-09	1.00E-06	5.22E-06	5.59E-03	2.63E-03	3.95E-03	7.53E-05	1.92E-04	6.85E-03	2.50E-03	7.86E-09	1.00E-06	5.22E-06	2.51E-03
109	486533.18	3855893.15	6.98E-03	1.04E-08	8.21E-07	5.92E-06	6.99E-03	3.29E-03	4.30E-03	6.16E-05	2.17E-04	7.87E-03	3.13E-03	8.56E-09	8.21E-07	5.92E-06	3.14E-03
110	486583.18	3855893.15	6.74E-03	1.03E-08	8.33E-07	5.79E-06	6.75E-03	3.18E-03	4.26E-03	6.24E-05	2.12E-04	7.72E-03	3.02E-03	8.49E-09	8.33E-07	5.79E-06	3.03E-03
111	486633.18	3855893.15	6.51E-03	1.03E-08	8.58E-07	5.66E-06	6.51E-03	3.07E-03	4.22E-03	6.44E-05	2.08E-04	7.57E-03	2.92E-03	8.41E-09	8.58E-07	5.66E-06	2.92E-03
112	486683.18	3855893.15	6.32E-03	1.02E-08	8.95E-07	5.54E-06	6.32E-03	2.98E-03	4.20E-03	6.71E-05	2.03E-04	7.45E-03	2.83E-03	8.37E-09	8.95E-07	5.54E-06	2.84E-03
113	486733.18	3855893.15	6.14E-03	1.01E-08	9.40E-07	5.42E-06	6.14E-03	2.89E-03	4.18E-03	7.05E-05	1.99E-04	7.34E-03	2.75E-03	8.32E-09	9.40E-07	5.42E-06	2.76E-03
114	486783.18	3855893.15	5.99E-03	1.01E-08	9.82E-07	5.30E-06	5.99E-03	2.82E-03	4.17E-03	7.37E-05	1.94E-04	7.26E-03	2.68E-03	8.30E-09	9.82E-07	5.30E-06	2.69E-03
115	486533.18	3855943.15	7.45E-03	1.09E-08	8.34E-07	6.03E-06	7.46E-03	3.51E-03	4.50E-03	6.26E-05	2.21E-04	8.30E-03	3.34E-03	8.97E-09	8.34E-07	6.03E-06	3.35E-03
116	486583.18	3855943.15	7.27E-03	1.09E-08	8.35E-07	5.88E-06	7.27E-03	3.43E-03	4.50E-03	6.26E-05	2.16E-04	8.21E-03	3.26E-03	8.96E-09	8.35E-07	5.88E-06	3.27E-03
117	486633.18	3855943.15	6.97E-03	1.08E-08	8.53E-07	5.74E-06	6.98E-03	3.29E-03	4.45E-03	6.40E-05	2.11E-04	8.01E-03	3.13E-03	8.86E-09	8.53E-07	5.74E-06	3.13E-03
118	486683.18	3855943.15	6.78E-03	1.08E-08	8.79E-07	5.61E-06	6.79E-03	3.20E-03	4.43E-03	6.60E-05	2.06E-04	7.90E-03	3.04E-03	8.83E-09	8.79E-07	5.61E-06	3.05E-03

119	486733.18	3855943.15	6.55E-03	1.07E-08	9.20E-07	5.48E-06	6.56E-03	3.09E-03	4.39E-03	6.90E-05	2.01E-04	7.75E-03	2.94E-03	8.75E-09	9.20E-07	5.48E-06	2.94E-03
120	486783.18	3855943.15	6.39E-03	1.06E-08	9.62E-07	5.36E-06	6.40E-03	3.01E-03	4.38E-03	7.21E-05	1.97E-04	7.67E-03	2.87E-03	8.73E-09	9.62E-07	5.36E-06	2.87E-03
121	486533.18	3855993.15	8.05E-03	1.15E-08	8.48E-07	6.10E-06	8.05E-03	3.80E-03	4.75E-03	6.36E-05	2.24E-04	8.83E-03	3.61E-03	9.46E-09	8.48E-07	6.10E-06	3.62E-03
122	486583.18	3855993.15	7.76E-03	1.14E-08	8.47E-07	5.94E-06	7.77E-03	3.66E-03	4.72E-03	6.35E-05	2.18E-04	8.66E-03	3.48E-03	9.40E-09	8.47E-07	5.94E-06	3.49E-03
123	486633.18	3855993.15	7.48E-03	1.14E-08	8.55E-07	5.80E-06	7.49E-03	3.53E-03	4.68E-03	6.41E-05	2.13E-04	8.48E-03	3.35E-03	9.32E-09	8.55E-07	5.80E-06	3.36E-03
124	486683.18	3855993.15	7.26E-03	1.13E-08	8.73E-07	5.66E-06	7.26E-03	3.42E-03	4.66E-03	6.54E-05	2.07E-04	8.35E-03	3.25E-03	9.28E-09	8.73E-07	5.66E-06	3.26E-03
125	486733.18	3855993.15	7.01E-03	1.12E-08	9.06E-07	5.52E-06	7.01E-03	3.31E-03	4.62E-03	6.79E-05	2.03E-04	8.20E-03	3.14E-03	9.21E-09	9.06E-07	5.52E-06	3.15E-03
126	486783.18	3855993.15	6.80E-03	1.12E-08	9.46E-07	5.39E-06	6.80E-03	3.21E-03	4.60E-03	7.09E-05	1.98E-04	8.07E-03	3.05E-03	9.16E-09	9.46E-07	5.39E-06	3.05E-03
127	486533.18	3856043.15	8.67E-03	1.21E-08	8.62E-07	6.14E-06	8.67E-03	4.09E-03	4.99E-03	6.46E-05	2.25E-04	9.37E-03	3.89E-03	9.94E-09	8.62E-07	6.14E-06	3.89E-03
128	486583.18	3856043.15	8.37E-03	1.21E-08	8.59E-07	5.98E-06	8.38E-03	3.95E-03	4.97E-03	6.44E-05	2.19E-04	9.20E-03	3.75E-03	9.90E-09	8.59E-07	5.98E-06	3.76E-03
129	486633.18	3856043.15	8.02E-03	1.19E-08	8.63E-07	5.83E-06	8.03E-03	3.78E-03	4.92E-03	6.47E-05	2.14E-04	8.98E-03	3.60E-03	9.79E-09	8.63E-07	5.83E-06	3.60E-03
130	486683.18	3856043.15	7.78E-03	1.19E-08	8.73E-07	5.68E-06	7.78E-03	3.67E-03	4.90E-03	6.54E-05	2.08E-04	8.84E-03	3.49E-03	9.76E-09	8.73E-07	5.68E-06	3.49E-03
131	486733.18	3856043.15	7.48E-03	1.18E-08	8.97E-07	5.54E-06	7.49E-03	3.53E-03	4.85E-03	6.73E-05	2.03E-04	8.65E-03	3.36E-03	9.66E-09	8.97E-07	5.54E-06	3.36E-03
132	486783.18	3856043.15	7.28E-03	1.17E-08	9.30E-07	5.41E-06	7.28E-03	3.43E-03	4.84E-03	6.97E-05	1.98E-04	8.54E-03	3.26E-03	9.64E-09	9.30E-07	5.41E-06	3.27E-03
133	486533.18	3856093.15	9.41E-03	1.28E-08	8.71E-07	6.16E-06	9.42E-03	4.44E-03	5.26E-03	6.53E-05	2.26E-04	9.99E-03	4.22E-03	1.05E-08	8.71E-07	6.16E-06	4.23E-03
134	486583.18	3856093.15	9.01E-03	1.27E-08	8.73E-07	5.99E-06	9.01E-03	4.25E-03	5.22E-03	6.55E-05	2.20E-04	9.75E-03	4.04E-03	1.04E-08	8.73E-07	5.99E-06	4.05E-03
135	486633.18	3856093.15	8.63E-03	1.25E-08	8.75E-07	5.84E-06	8.64E-03	4.07E-03	5.17E-03	6.56E-05	2.14E-04	9.52E-03	3.87E-03	1.03E-08	8.75E-07	5.84E-06	3.88E-03
136	486683.18	3856093.15	8.33E-03	1.25E-08	8.80E-07	5.69E-06	8.33E-03	3.93E-03	5.14E-03	6.60E-05	2.08E-04	9.34E-03	3.73E-03	1.02E-08	8.80E-07	5.69E-06	3.74E-03
137	486733.18	3856093.15	8.01E-03	1.24E-08	8.96E-07	5.54E-06	8.02E-03	3.78E-03	5.09E-03	6.72E-05	2.03E-04	9.14E-03	3.59E-03	1.01E-08	8.96E-07	5.54E-06	3.60E-03
138	486783.18	3856093.15	7.75E-03	1.23E-08	9.22E-07	5.41E-06	7.76E-03	3.66E-03	5.07E-03	6.91E-05	1.98E-04	8.99E-03	3.48E-03	1.01E-08	9.22E-07	5.41E-06	3.48E-03
139	486533.18	3856143.15	1.02E-02	1.34E-08	8.78E-07	6.16E-06	1.02E-02	4.80E-03	5.52E-03	6.58E-05	2.26E-04	1.06E-02	4.57E-03	1.10E-08	8.78E-07	6.16E-06	4.57E-03
140	486583.18	3856143.15	9.67E-03	1.32E-08	8.88E-07	6.00E-06	9.68E-03	4.56E-03	5.46E-03	6.66E-05	2.20E-04	1.03E-02	4.34E-03	1.09E-08	8.88E-07	6.00E-06	4.35E-03
141	486633.18	3856143.15	9.29E-03	1.32E-08	8.90E-07	5.83E-06	9.30E-03	4.38E-03	5.42E-03	6.67E-05	2.14E-04	1.01E-02	4.17E-03	1.08E-08	8.90E-07	5.83E-06	4.17E-03
142	486683.18	3856143.15	8.92E-03	1.31E-08	8.93E-07	5.68E-06	8.92E-03	4.21E-03	5.38E-03	6.70E-05	2.08E-04	9.86E-03	4.00E-03	1.07E-08	8.93E-07	5.68E-06	4.01E-03
143	486733.18	3856143.15	8.57E-03	1.30E-08	9.01E-07	5.54E-06	8.58E-03	4.04E-03	5.34E-03	6.76E-05	2.03E-04	9.65E-03	3.85E-03	1.06E-08	9.01E-07	5.54E-06	3.85E-03
144	486783.18	3856143.15	8.32E-03	1.29E-08	9.19E-07	5.40E-06	8.32E-03	3.92E-03	5.33E-03	6.89E-05	1.98E-04	9.52E-03	3.73E-03	1.06E-08	9.19E-07	5.40E-06	3.74E-03
145	486533.18	3856193.15	1.11E-02	1.41E-08	8.78E-07	6.15E-06	1.11E-02	5.23E-03	5.81E-03	6.58E-05	2.26E-04	1.13E-02	4.98E-03	1.16E-08	8.78E-07	6.15E-06	4.98E-03
146	486583.18	3856193.15	1.05E-02	1.39E-08	8.96E-07	5.99E-06	1.05E-02	4.93E-03	5.72E-03	6.72E-05	2.19E-04	1.09E-02	4.69E-03	1.14E-08	8.96E-07	5.99E-06	4.70E-03
147	486633.18	3856193.15	1.00E-02	1.38E-08	9.04E-07	5.82E-06	1.00E-02	4.72E-03	5.68E-03	6.78E-05	2.13E-04	1.07E-02	4.49E-03	1.13E-08	9.04E-07	5.82E-06	4.50E-03
148	486683.18	3856193.15	9.64E-03	1.37E-08	9.05E-07	5.66E-06	9.64E-03	4.55E-03	5.66E-03	6.79E-05	2.08E-04	1.05E-02	4.32E-03	1.13E-08	9.05E-07	5.66E-06	4.33E-03
149	486733.18	3856193.15	9.21E-03	1.36E-08	9.12E-07	5.52E-06	9.22E-03	4.35E-03	5.60E-03	6.84E-05	2.02E-04	1.02E-02	4.13E-03	1.12E-08	9.12E-07	5.52E-06	4.14E-03
150	486783.18	3856193.15	8.91E-03	1.36E-08	9.22E-07	5.37E-06	8.92E-03	4.20E-03	5.59E-03	6.91E-05	1.97E-04	1.01E-02	4.00E-03	1.11E-08	9.22E-07	5.37E-06	4.00E-03
151	486533.18	3856243.15	1.21E-02	1.48E-08	8.75E-07	6.14E-06	1.21E-02	5.71E-03	6.08E-03	6.56E-05	2.25E-04	1.21E-02	5.43E-03	1.21E-08	8.75E-07	6.14E-06	5.43E-03
152	486583.18	3856243.15	1.14E-02	1.46E-08	8.98E-07	5.96E-06	1.14E-02	5.39E-03	6.01E-03	6.74E-05	2.19E-04	1.17E-02	5.13E-03	1.20E-08	8.98E-07	5.96E-06	5.13E-03
153	486633.18	3856243.15	1.08E-02	1.45E-08	9.13E-07	5.79E-06	1.09E-02	5.12E-03	5.95E-03	6.85E-05	2.12E-04	1.14E-02	4.86E-03	1.19E-08	9.13E-07	5.79E-06	4.87E-03
154	486683.18	3856243.15	1.04E-02	1.44E-08	9.21E-07	5.64E-06	1.04E-02	4.89E-03	5.91E-03	6.91E-05	2.07E-04	1.11E-02	4.65E-03	1.18E-08	9.21E-07	5.64E-06	4.65E-03
155	486733.18	3856243.15	9.95E-03	1.43E-08	9.24E-07	5.48E-06	9.95E-03	4.69E-03	5.88E-03	6.93E-05	2.01E-04	1.08E-02	4.46E-03	1.17E-08	9.24E-07	5.48E-06	4.47E-03
156	486783.18	3856243.15	9.53E-03	1.42E-08	9.33E-07	5.34E-06	9.53E-03	4.49E-03	5.84E-03	7.00E-05	1.96E-04	1.06E-02	4.27E-03	1.16E-08	9.33E-07	5.34E-06	4.28E-03
157	486533.18	3856293.15	1.33E-02	1.55E-08	8.68E-07	6.10E-06	1.33E-02	6.28E-03	6.38E-03	6.51E-05	2.24E-04	1.29E-02	5.97E-03	1.27E-08	8.68E-07	6.10E-06	5.98E-03
158	486583.18	3856293.15	1.25E-02	1.53E-08	8.96E-07	5.92E-06	1.25E-02	5.89E-03	6.30E-03	6.72E-05	2.17E-04	1.25E-02	5.60E-03	1.25E-08	8.96E-07	5.92E-06	5.60E-03
159	486633.18	3856293.15	1.18E-02	1.51E-08	9.19E-07	5.75E-06	1.18E-02	5.57E-03	6.24E-03	6.89E-05	2.11E-04	1.21E-02	5.29E-03	1.24E-08	9.19E-07	5.75E-06	5.30E-03
160	486683.18	3856293.15	1.12E-02	1.50E-08	9.32E-07	5.59E-06	1.12E-02	5.29E-03	6.19E-03	6.99E-05	2.05E-04	1.17E-02	5.03E-03	1.23E-08	9.32E-07	5.59E-06	5.04E-03
161	486733.18	3856293.15	1.07E-02	1.50E-08	9.39E-07	5.43E-06	1.07E-02	5.07E-03	6.16E-03	7.04E-05	1.99E-04	1.15E-02	4.82E-03	1.23E-08	9.39E-07	5.43E-06	4.82E-03
162	486783.18	3856293.15	1.02E-02	1.48E-08	9.47E-07	5.29E-06	1.02E-02	4.83E-03	6.11E-03	7.10E-05	1.94E-04	1.12E-02	4.59E-03	1.22E-08	9.47E-07	5.29E-06	4.60E-03
163	486783.18	3856343.15	1.11E-02	1.56E-08	9.60E-07	5.22E-06	1.11E-02	5.23E-03	6.41E-03	7.20E-05	1.91E-04	1.19E-02	4.97E-03	1.28E-08	9.60E-07	5.22E-06	4.98E-03
164	486833.18	3856343.15	1.06E-02	1.55E-08	9.70E-07	5.08E-06	1.06E-02	4.99E-03	6.37E-03	7.28E-05	1.86E-04	1.16E-02	4.74E-03	1.27E-08	9.70E-07	5.08E-06	4.75E-03
165	486883.18	3856343.15	1.01E-02	1.54E-08	9.86E-07	4.94E-06	1.01E-02	4.77E-03	6.33E-03	7.39E-05	1.81E-04	1.14E-02	4.53E-03	1.26E-08	9.86E-07	4.94E-06	4.54E-03
166	486783.18	3856393.15	1.20E-02	1.62E-08	9.76E-07	5.13E-06	1.20E-02	5.64E-03	6.67E-03	7.32E-05	1.88E-04	1.26E-02	5.37E-03	1.33E-08	9.76E-07	5.13E-06	5.37E-03
167	486833.18	3856393.15	1.14E-02	1.61E-08	9.87E-07	4.98E-06	1.14E-02	5.36E-03	6.63E-03	7.41E-05	1.83E-04	1.23E-02	5.10E-03	1.32E-08	9.87E-07	4.98E-06	5.11E-03
168	486883.18	3856393.15	1.08E-02	1.59E-08	1.00E-06	4.85E-06	1.08E-02	5.09E-03	6.56E-03	7.51E-05	1.78E-04	1.19E-02	4.84E-03	1.31E-08	1.00E-06	4.85E-06	4.85E-03
169	487208.74	3856886.11	1.51E-02	2.08E-08	1.43E-06	2.97E-06	1.51E-02	7.14E-03	8.57E-03	1.07E-04	1.09E-04	1.59E-02	6.79E-03	1.71E-08	1.43E-06	2.97E-06	6.79E-03
170	487258.74	3856886.11	1.39E-02	2.05E-08	1.48E-06	2.94E-06	1.39E-02	6.55E-03	8.45E-03	1.11E-04	1.08E-04	1.52E-02	6.22E-03	1.68E-08	1.48E-06	2.94E-06	6.23E-03
171	487308.74	3856886.11	1.28E-02	2.03E-08	1.54E-06	2.90E-06	1.28E-02	6.03E-03	8.35E-03	1.16E-04	1.06E-04	1.46E-02	5.74E-03	1.66E-08	1.54E-06	2.90E-06	5.74E-03
172	487358.74	3856886.11	1.18E-02	2.00E-08	1.61E-06	2.87E-06	1.19E-02	5.59E-03	8.23E-03	1.21E-04	1.05E-04	1.40E-02	5.31E-03	1.64E-08	1.61E-06	2.87E-06	5.32E-03
173	487208.74	3856936.11	1.63E-02	2.14E-08	1.48E-06	2.87E-06	1.63E-02	7.70E-03	8.80E-03	1.11E-04	1.05E-04	1.67E-02	7.32E-03	1.75E-08	1.48E-06	2.87E-06	7.32E-03
174	487258.74	3856936.11	1.47E-02	2.11E-08	1.52E-06	2.83E-06	1.47E-02	6.94E-03	8.68E-03	1.14E-04	1.04E-04	1.58E-02	6.60E-03	1.73E-08	1.52E-06	2.83E-06	6.61E-03
175	487308.74	3856936.11	1.34E-02	2.08E-08	1.58E-06	2.80E-06	1.34E-02	6.30E-03	8.57E-03	1.19E-04	1.03E-04	1.51E-02	5.99E-03	1.71E-08	1.58E-06	2.80E-06	6.00E-03
176	487358.74	3856936.11	1.22E-02	2.05E-08	1.65E-06	2.77E-06	1.22E-02	5.76E-03	8.45E-03	1.24E-04	1.02E-04	1.44E-02	5.48E-03	1.68E-08	1.65E-06	2.77E-06	5.48E-03
177	487208.74	3856986.11	1.73E-02	2.19E-08	1.52E-06	2.77E-06	1.74E-02	8.18E-03	9.02E-03	1.14E-04	1.01E-04	1.74E-02	7.78E-03	1.80E-08	1.52E-06	2.77E-06	7.78E-03
178	487258.74	3856986.11	1.52E-02	2.16E-08	1.57E-06	2.74E-06	1.52E-02	7.19E-03	8.92E-03	1.18E-04	1.00E-04	1.63E-02	6.83E-03	1.78E-08	1.57E-06	2.74E-06	6.84E-03
179	487308.74	3856986.11	1.36E-02	2.13E-08	1.63E-06	2.71E-06	1.36E-02	6.41E-03	8.78E-03	1.22E-04	9.94E-05	1.54E-02	6.10E-03	1.75E-08	1.63E-06	2.71E-06	6.10E-03

180	487358.74	3856986.11	1.22E-02	2.11E-08	1.70E-06	2.68E-06	1.23E-02	5.78E-03	8.68E-03	1.28E-04	9.84E-05	1.47E-02	5.49E-03	1.73E-08	1.70E-06	2.68E-06	5.50E-03
181	487208.74	3857036.11	1.73E-02	2.24E-08	1.58E-06	2.67E-06	1.73E-02	8.16E-03	9.22E-03	1.18E-04	9.80E-05	1.76E-02	7.76E-03	1.84E-08	1.58E-06	2.67E-06	7.76E-03
182	487258.74	3857036.11	1.49E-02	2.21E-08	1.63E-06	2.65E-06	1.49E-02	7.04E-03	9.10E-03	1.22E-04	9.71E-05	1.64E-02	6.69E-03	1.81E-08	1.63E-06	2.65E-06	6.69E-03
183	487308.74	3857036.11	1.31E-02	2.19E-08	1.69E-06	2.62E-06	1.31E-02	6.19E-03	9.01E-03	1.27E-04	9.62E-05	1.54E-02	5.89E-03	1.79E-08	1.69E-06	2.62E-06	5.89E-03
184	487358.74	3857036.11	1.17E-02	2.16E-08	1.76E-06	2.60E-06	1.18E-02	5.54E-03	8.89E-03	1.32E-04	9.54E-05	1.47E-02	5.27E-03	1.77E-08	1.76E-06	2.60E-06	5.27E-03
185	487427.14	3856878.23	1.07E-02	1.96E-08	1.72E-06	2.84E-06	1.07E-02	5.03E-03	8.09E-03	1.29E-04	1.04E-04	1.34E-02	4.79E-03	1.61E-08	1.72E-06	2.84E-06	4.79E-03
186	487477.14	3856878.23	9.97E-03	1.94E-08	1.80E-06	2.81E-06	9.97E-03	4.70E-03	8.00E-03	1.35E-04	1.03E-04	1.29E-02	4.47E-03	1.59E-08	1.80E-06	2.81E-06	4.47E-03
187	487527.14	3856878.23	9.34E-03	1.92E-08	1.89E-06	2.78E-06	9.34E-03	4.40E-03	7.90E-03	1.42E-04	1.02E-04	1.25E-02	4.19E-03	1.57E-08	1.89E-06	2.78E-06	4.19E-03
188	487427.14	3856928.23	1.09E-02	2.01E-08	1.76E-06	2.75E-06	1.09E-02	5.13E-03	8.30E-03	1.32E-04	1.01E-04	1.37E-02	4.88E-03	1.65E-08	1.76E-06	2.75E-06	4.88E-03
189	487477.14	3856928.23	1.01E-02	1.99E-08	1.85E-06	2.72E-06	1.01E-02	4.76E-03	8.18E-03	1.39E-04	9.98E-05	1.32E-02	4.52E-03	1.63E-08	1.85E-06	2.72E-06	4.53E-03
190	487527.14	3856928.23	9.38E-03	1.96E-08	1.95E-06	2.70E-06	9.39E-03	4.43E-03	8.09E-03	1.46E-04	9.89E-05	1.28E-02	4.21E-03	1.61E-08	1.95E-06	2.70E-06	4.21E-03
191	487577.14	3856928.23	8.77E-03	1.94E-08	2.05E-06	2.67E-06	8.77E-03	4.13E-03	8.00E-03	1.54E-04	9.79E-05	1.24E-02	3.93E-03	1.59E-08	2.05E-06	2.67E-06	3.94E-03
192	487627.14	3856928.23	8.23E-03	1.91E-08	2.16E-06	2.65E-06	8.23E-03	3.88E-03	7.89E-03	1.62E-04	9.71E-05	1.20E-02	3.69E-03	1.57E-08	2.16E-06	2.65E-06	3.69E-03
193	487677.14	3856928.23	7.73E-03	1.90E-08	2.29E-06	2.63E-06	7.74E-03	3.65E-03	7.82E-03	1.71E-04	9.63E-05	1.17E-02	3.47E-03	1.56E-08	2.29E-06	2.63E-06	3.47E-03
194	487727.14	3856928.23	7.29E-03	1.88E-08	2.41E-06	2.61E-06	7.30E-03	3.44E-03	7.75E-03	1.81E-04	9.55E-05	1.15E-02	3.27E-03	1.54E-08	2.41E-06	2.61E-06	3.27E-03
195	487777.14	3856928.23	6.90E-03	1.86E-08	2.50E-06	2.59E-06	6.90E-03	3.25E-03	7.67E-03	1.88E-04	9.49E-05	1.12E-02	3.09E-03	1.53E-08	2.50E-06	2.59E-06	3.10E-03
196	487427.14	3856978.23	1.08E-02	2.06E-08	1.81E-06	2.67E-06	1.08E-02	5.11E-03	8.48E-03	1.36E-04	9.78E-05	1.38E-02	4.86E-03	1.69E-08	1.81E-06	2.67E-06	4.86E-03
197	487477.14	3856978.23	9.96E-03	2.04E-08	1.91E-06	2.64E-06	9.97E-03	4.70E-03	8.39E-03	1.43E-04	9.69E-05	1.33E-02	4.47E-03	1.67E-08	1.91E-06	2.64E-06	4.47E-03
198	487527.14	3856978.23	9.22E-03	2.01E-08	2.01E-06	2.62E-06	9.23E-03	4.35E-03	8.29E-03	1.51E-04	9.61E-05	1.29E-02	4.14E-03	1.65E-08	2.01E-06	2.62E-06	4.14E-03
199	487577.14	3856978.23	8.58E-03	1.99E-08	2.12E-06	2.60E-06	8.59E-03	4.05E-03	8.19E-03	1.59E-04	9.53E-05	1.25E-02	3.85E-03	1.63E-08	2.12E-06	2.60E-06	3.85E-03
200	487627.14	3856978.23	8.03E-03	1.96E-08	2.24E-06	2.58E-06	8.03E-03	3.79E-03	8.07E-03	1.68E-04	9.47E-05	1.21E-02	3.60E-03	1.61E-08	2.24E-06	2.58E-06	3.61E-03
201	487677.14	3856978.23	7.53E-03	1.94E-08	2.36E-06	2.57E-06	7.53E-03	3.55E-03	7.99E-03	1.77E-04	9.41E-05	1.18E-02	3.38E-03	1.59E-08	2.36E-06	2.57E-06	3.38E-03
202	487727.14	3856978.23	7.10E-03	1.91E-08	2.50E-06	2.55E-06	7.11E-03	3.35E-03	7.85E-03	1.87E-04	9.36E-05	1.15E-02	3.19E-03	1.56E-08	2.50E-06	2.55E-06	3.19E-03
203	487777.14	3856978.23	6.69E-03	1.91E-08	2.61E-06	2.54E-06	6.69E-03	3.15E-03	7.86E-03	1.96E-04	9.30E-05	1.13E-02	3.00E-03	1.57E-08	2.61E-06	2.54E-06	3.00E-03
204	487427.14	3857028.23	1.04E-02	2.11E-08	1.86E-06	2.59E-06	1.04E-02	4.90E-03	8.70E-03	1.40E-04	9.49E-05	1.38E-02	4.66E-03	1.73E-08	1.86E-06	2.59E-06	4.67E-03
205	487477.14	3857028.23	9.53E-03	2.08E-08	1.97E-06	2.57E-06	9.54E-03	4.50E-03	8.59E-03	1.48E-04	9.42E-05	1.33E-02	4.28E-03	1.71E-08	1.97E-06	2.57E-06	4.28E-03
206	487527.14	3857028.23	8.81E-03	2.06E-08	2.08E-06	2.55E-06	8.82E-03	4.16E-03	8.47E-03	1.56E-04	9.36E-05	1.29E-02	3.95E-03	1.69E-08	2.08E-06	2.55E-06	3.96E-03
207	487577.14	3857028.23	8.19E-03	2.03E-08	2.20E-06	2.54E-06	8.19E-03	3.86E-03	8.37E-03	1.65E-04	9.30E-05	1.25E-02	3.67E-03	1.67E-08	2.20E-06	2.54E-06	3.68E-03
208	487627.14	3857028.23	7.66E-03	2.00E-08	2.32E-06	2.52E-06	7.66E-03	3.61E-03	8.24E-03	1.74E-04	9.26E-05	1.21E-02	3.44E-03	1.64E-08	2.32E-06	2.52E-06	3.44E-03
209	487677.14	3857028.23	7.18E-03	1.98E-08	2.45E-06	2.51E-06	7.19E-03	3.39E-03	8.15E-03	1.84E-04	9.22E-05	1.18E-02	3.22E-03	1.62E-08	2.45E-06	2.51E-06	3.23E-03
210	487727.14	3857028.23	6.76E-03	1.96E-08	2.59E-06	2.50E-06	6.76E-03	3.19E-03	8.09E-03	1.95E-04	9.18E-05	1.16E-02	3.03E-03	1.61E-08	2.59E-06	2.50E-06	3.03E-03
211	487777.14	3857028.23	6.38E-03	1.95E-08	2.72E-06	2.49E-06	6.39E-03	3.01E-03	8.02E-03	2.04E-04	9.14E-05	1.13E-02	2.86E-03	1.60E-08	2.72E-06	2.49E-06	2.87E-03
212	487427.14	3857078.23	9.56E-03	2.16E-08	1.93E-06	2.52E-06	9.57E-03	4.51E-03	8.90E-03	1.45E-04	9.23E-05	1.36E-02	4.29E-03	1.77E-08	1.93E-06	2.52E-06	4.29E-03
213	487477.14	3857078.23	8.81E-03	2.13E-08	2.03E-06	2.50E-06	8.81E-03	4.15E-03	8.77E-03	1.52E-04	9.18E-05	1.32E-02	3.95E-03	1.75E-08	2.03E-06	2.50E-06	3.95E-03
214	487527.14	3857078.23	8.16E-03	2.10E-08	2.15E-06	2.49E-06	8.16E-03	3.85E-03	8.66E-03	1.61E-04	9.13E-05	1.28E-02	3.66E-03	1.72E-08	2.15E-06	2.49E-06	3.66E-03
215	487577.14	3857078.23	7.60E-03	2.07E-08	2.28E-06	2.48E-06	7.61E-03	3.59E-03	8.55E-03	1.71E-04	9.10E-05	1.24E-02	3.41E-03	1.70E-08	2.28E-06	2.48E-06	3.42E-03
216	487627.14	3857078.23	7.13E-03	2.05E-08	2.41E-06	2.47E-06	7.13E-03	3.36E-03	8.43E-03	1.81E-04	9.07E-05	1.21E-02	3.20E-03	1.68E-08	2.41E-06	2.47E-06	3.20E-03
217	487677.14	3857078.23	6.70E-03	2.02E-08	2.56E-06	2.47E-06	6.71E-03	3.16E-03	8.33E-03	1.92E-04	9.06E-05	1.18E-02	3.01E-03	1.66E-08	2.56E-06	2.47E-06	3.01E-03
218	487727.14	3857078.23	6.32E-03	2.00E-08	2.71E-06	2.46E-06	6.33E-03	2.98E-03	8.26E-03	2.03E-04	9.03E-05	1.15E-02	2.84E-03	1.64E-08	2.71E-06	2.46E-06	2.84E-03
219	487777.14	3857078.23	5.99E-03	1.98E-08	2.86E-06	2.46E-06	6.00E-03	2.83E-03	8.16E-03	2.14E-04	9.01E-05	1.13E-02	2.69E-03	1.62E-08	2.86E-06	2.46E-06	2.69E-03
220	487427.14	3857128.23	8.45E-03	2.21E-08	2.00E-06	2.45E-06	8.45E-03	3.98E-03	9.09E-03	1.50E-04	9.00E-05	1.33E-02	3.79E-03	1.81E-08	2.00E-06	2.45E-06	3.79E-03
221	487477.14	3857128.23	7.86E-03	2.17E-08	2.11E-06	2.45E-06	7.86E-03	3.70E-03	8.95E-03	1.58E-04	8.97E-05	1.29E-02	3.52E-03	1.78E-08	2.11E-06	2.45E-06	3.53E-03
222	487527.14	3857128.23	7.34E-03	2.14E-08	2.23E-06	2.44E-06	7.35E-03	3.46E-03	8.82E-03	1.67E-04	8.95E-05	1.25E-02	3.29E-03	1.76E-08	2.23E-06	2.44E-06	3.30E-03
223	487577.14	3857128.23	6.89E-03	2.11E-08	2.37E-06	2.44E-06	6.89E-03	3.25E-03	8.71E-03	1.78E-04	8.94E-05	1.22E-02	3.09E-03	1.73E-08	2.37E-06	2.44E-06	3.09E-03
224	487627.14	3857128.23	6.49E-03	2.09E-08	2.52E-06	2.44E-06	6.49E-03	3.06E-03	8.61E-03	1.89E-04	8.93E-05	1.19E-02	2.91E-03	1.71E-08	2.52E-06	2.44E-06	2.91E-03
225	487677.14	3857128.23	6.14E-03	2.06E-08	2.67E-06	2.44E-06	6.14E-03	2.89E-03	8.49E-03	2.00E-04	8.93E-05	1.17E-02	2.75E-03	1.69E-08	2.67E-06	2.44E-06	2.76E-03
226	487727.14	3857128.23	5.81E-03	2.05E-08	2.83E-06	2.43E-06	5.82E-03	2.74E-03	8.43E-03	2.13E-04	8.93E-05	1.15E-02	2.61E-03	1.68E-08	2.83E-06	2.43E-06	2.61E-03
227	487777.14	3857128.23	5.53E-03	2.02E-08	3.00E-06	2.43E-06	5.53E-03	2.61E-03	8.32E-03	2.25E-04	8.92E-05	1.12E-02	2.48E-03	1.66E-08	3.00E-06	2.43E-06	2.48E-03
228	488049.44	3856539.39	5.22E-03	1.47E-08	1.49E-06	2.89E-06	5.23E-03	2.46E-03	6.05E-03	1.11E-04	1.06E-04	8.73E-03	2.34E-03	1.21E-08	1.49E-06	2.89E-06	2.35E-03
229	488099.44	3856539.39	5.06E-03	1.45E-08	1.45E-06	2.85E-06	5.07E-03	2.39E-03	5.97E-03	1.09E-04	1.05E-04	8.57E-03	2.27E-03	1.19E-08	1.45E-06	2.85E-06	2.27E-03
230	488149.44	3856539.39	4.91E-03	1.44E-08	1.44E-06	2.82E-06	4.92E-03	2.32E-03	5.91E-03	1.08E-04	1.03E-04	8.44E-03	2.20E-03	1.18E-08	1.44E-06	2.82E-06	2.21E-03
231	488049.44	3856589.39	5.32E-03	1.51E-08	1.55E-06	2.83E-06	5.33E-03	2.51E-03	6.23E-03	1.17E-04	1.04E-04	8.96E-03	2.39E-03	1.24E-08	1.55E-06	2.83E-06	2.39E-03
232	488099.44	3856589.39	5.15E-03	1.49E-08	1.51E-06	2.79E-06	5.16E-03	2.43E-03	6.15E-03	1.14E-04	1.02E-04	8.80E-03	2.31E-03	1.22E-08	1.51E-06	2.79E-06	2.32E-03
233	488149.44	3856589.39	4.99E-03	1.48E-08	1.50E-06	2.76E-06	4.99E-03	2.35E-03	6.08E-03	1.13E-04	1.01E-04	8.65E-03	2.24E-03	1.21E-08	1.50E-06	2.76E-06	2.24E-03
234	488199.44	3856589.39	4.84E-03	1.46E-08	1.52E-06	2.73E-06	4.84E-03	2.28E-03	6.00E-03	1.14E-04	1.00E-04	8.49E-03	2.17E-03	1.19E-08	1.52E-06	2.73E-06	2.17E-03
235	488249.44	3856589.39	4.69E-03	1.45E-08	1.55E-06	2.71E-06	4.69E-03	2.21E-03	5.98E-03	1.16E-04	9.92E-05	8.41E-03	2.10E-03	1.19E-08	1.55E-06	2.71E-06	2.11E-03
236	488049.44	3856639.39	5.41E-03	1.55E-08	1.63E-06	2.77E-06	5.41E-03	2.55E-03	6.39E-03	1.22E-04	1.02E-04	9.17E-03	2.42E-03	1.27E-08	1.63E-06	2.77E-06	2.43E-03
237	488099.44	3856639.39	5.22E-03	1.53E-08	1.59E-06	2.74E-06	5.23E-03	2.46E-03	6.31E-03	1.19E-04	1.00E-04	9.00E-03	2.34E-03	1.26E-08	1.59E-06	2.74E-06	2.35E-03
238	488149.44	3856639.39	5.05E-03	1.51E-08	1.57E-06	2.71E-06	5.06E-03	2.38E-03	6.24E-03	1.18E-04	9.94E-05	8.84E-03	2.27E-03	1.24E-08	1.57E-06	2.71E-06	2.27E-03
239	488199.44	3856639.39	4.89E-03	1.50E-08	1.59E-06	2.68E-06	4.89E-03	2.31E-03	6.18E-03	1.19E-04	9.84E-05	8.71E-03	2.19E-03	1.23E-08	1.59E-06	2.68E-06	2.20E-03
240	488249.44	3856639.39	4.73E-03	1.49E-08	1.62E-06	2.66E-06	4.74E-03	2.23E-03	6.12E-03	1.22E-04	9.75E-05	8.57E-03	2.12E-03	1.22E-08	1.62E-06	2.66E-06	2.13E-03

241	488299.44	3856639.39	4.58E-03	1.47E-08	1.66E-06	2.63E-06	4.59E-03	2.16E-03	6.07E-03	1.25E-04	9.66E-05	8.45E-03	2.06E-03	1.21E-08	1.66E-06	2.63E-06	2.06E-03
242	488349.44	3856639.39	4.44E-03	1.46E-08	1.70E-06	2.61E-06	4.45E-03	2.10E-03	5.99E-03	1.27E-04	9.57E-05	8.31E-03	1.99E-03	1.19E-08	1.70E-06	2.61E-06	2.00E-03
243	488399.44	3856639.39	4.31E-03	1.45E-08	1.74E-06	2.59E-06	4.31E-03	2.03E-03	5.96E-03	1.30E-04	9.48E-05	8.22E-03	1.93E-03	1.19E-08	1.74E-06	2.59E-06	1.94E-03
244	488099.44	3856689.39	5.27E-03	1.57E-08	1.67E-06	2.69E-06	5.28E-03	2.49E-03	6.49E-03	1.25E-04	9.85E-05	9.20E-03	2.37E-03	1.29E-08	1.67E-06	2.69E-06	2.37E-03
245	488149.44	3856689.39	5.09E-03	1.55E-08	1.65E-06	2.66E-06	5.10E-03	2.40E-03	6.40E-03	1.24E-04	9.76E-05	9.03E-03	2.28E-03	1.28E-08	1.65E-06	2.66E-06	2.29E-03
246	488199.44	3856689.39	4.92E-03	1.54E-08	1.67E-06	2.64E-06	4.92E-03	2.32E-03	6.35E-03	1.25E-04	9.66E-05	8.89E-03	2.21E-03	1.26E-08	1.67E-06	2.64E-06	2.21E-03
247	488249.44	3856689.39	4.76E-03	1.52E-08	1.70E-06	2.61E-06	4.76E-03	2.24E-03	6.26E-03	1.28E-04	9.58E-05	8.73E-03	2.13E-03	1.25E-08	1.70E-06	2.61E-06	2.14E-03
248	488299.44	3856689.39	4.60E-03	1.51E-08	1.74E-06	2.59E-06	4.60E-03	2.17E-03	6.22E-03	1.31E-04	9.49E-05	8.62E-03	2.06E-03	1.24E-08	1.74E-06	2.59E-06	2.07E-03
249	488349.44	3856689.39	4.45E-03	1.49E-08	1.78E-06	2.57E-06	4.46E-03	2.10E-03	6.15E-03	1.34E-04	9.42E-05	8.48E-03	2.00E-03	1.23E-08	1.78E-06	2.57E-06	2.00E-03
250	488399.44	3856689.39	4.32E-03	1.47E-08	1.82E-06	2.55E-06	4.32E-03	2.04E-03	6.06E-03	1.37E-04	9.34E-05	8.32E-03	1.94E-03	1.21E-08	1.82E-06	2.55E-06	1.94E-03
251	488099.44	3856739.39	5.30E-03	1.62E-08	1.75E-06	2.63E-06	5.30E-03	2.50E-03	6.67E-03	1.32E-04	9.66E-05	9.39E-03	2.38E-03	1.33E-08	1.75E-06	2.63E-06	2.38E-03
252	488149.44	3856739.39	5.11E-03	1.59E-08	1.74E-06	2.61E-06	5.11E-03	2.41E-03	6.57E-03	1.31E-04	9.58E-05	9.20E-03	2.29E-03	1.31E-08	1.74E-06	2.61E-06	2.30E-03
253	488199.44	3856739.39	4.92E-03	1.58E-08	1.76E-06	2.59E-06	4.93E-03	2.32E-03	6.52E-03	1.32E-04	9.49E-05	9.07E-03	2.21E-03	1.30E-08	1.76E-06	2.59E-06	2.21E-03
254	488249.44	3856739.39	4.76E-03	1.56E-08	1.79E-06	2.57E-06	4.76E-03	2.24E-03	6.43E-03	1.35E-04	9.42E-05	8.90E-03	2.13E-03	1.28E-08	1.79E-06	2.57E-06	2.14E-03
255	488299.44	3856739.39	4.60E-03	1.53E-08	1.83E-06	2.55E-06	4.60E-03	2.17E-03	6.32E-03	1.37E-04	9.35E-05	8.72E-03	2.06E-03	1.26E-08	1.83E-06	2.55E-06	2.07E-03
256	488349.44	3856739.39	4.44E-03	1.53E-08	1.88E-06	2.53E-06	4.45E-03	2.10E-03	6.30E-03	1.41E-04	9.26E-05	8.63E-03	1.99E-03	1.26E-08	1.88E-06	2.53E-06	2.00E-03
257	488399.44	3856739.39	4.29E-03	1.52E-08	1.92E-06	2.50E-06	4.30E-03	2.03E-03	6.27E-03	1.44E-04	9.18E-05	8.54E-03	1.93E-03	1.25E-08	1.92E-06	2.50E-06	1.93E-03
258	487999.44	3856789.39	5.74E-03	1.68E-08	1.99E-06	2.64E-06	5.74E-03	2.71E-03	6.93E-03	1.49E-04	9.66E-05	9.88E-03	2.57E-03	1.38E-08	1.99E-06	2.64E-06	2.58E-03
259	488049.44	3856789.39	5.51E-03	1.66E-08	1.90E-06	2.61E-06	5.51E-03	2.60E-03	6.86E-03	1.43E-04	9.58E-05	9.69E-03	2.47E-03	1.37E-08	1.90E-06	2.61E-06	2.47E-03
260	488099.44	3856789.39	5.29E-03	1.65E-08	1.85E-06	2.59E-06	5.29E-03	2.50E-03	6.81E-03	1.39E-04	9.49E-05	9.54E-03	2.37E-03	1.36E-08	1.85E-06	2.59E-06	2.38E-03
261	488149.44	3856789.39	5.09E-03	1.63E-08	1.84E-06	2.57E-06	5.10E-03	2.40E-03	6.73E-03	1.38E-04	9.41E-05	9.36E-03	2.28E-03	1.34E-08	1.84E-06	2.57E-06	2.29E-03
262	488199.44	3856789.39	4.90E-03	1.62E-08	1.86E-06	2.55E-06	4.91E-03	2.31E-03	6.66E-03	1.39E-04	9.34E-05	9.21E-03	2.20E-03	1.33E-08	1.86E-06	2.55E-06	2.20E-03
263	488249.44	3856789.39	4.73E-03	1.60E-08	1.89E-06	2.53E-06	4.73E-03	2.23E-03	6.58E-03	1.42E-04	9.26E-05	9.05E-03	2.12E-03	1.31E-08	1.89E-06	2.53E-06	2.13E-03
264	488299.44	3856789.39	4.57E-03	1.57E-08	1.93E-06	2.51E-06	4.57E-03	2.15E-03	6.48E-03	1.45E-04	9.19E-05	8.87E-03	2.05E-03	1.29E-08	1.93E-06	2.51E-06	2.05E-03
265	488349.44	3856789.39	4.41E-03	1.57E-08	1.98E-06	2.49E-06	4.41E-03	2.08E-03	6.46E-03	1.48E-04	9.12E-05	8.78E-03	1.98E-03	1.29E-08	1.98E-06	2.49E-06	1.98E-03
266	488399.44	3856789.39	4.26E-03	1.56E-08	2.02E-06	2.47E-06	4.26E-03	2.01E-03	6.42E-03	1.52E-04	9.04E-05	8.67E-03	1.91E-03	1.28E-08	2.02E-06	2.47E-06	1.91E-03
267	487949.44	3856839.39	5.96E-03	1.74E-08	2.21E-06	2.61E-06	5.97E-03	2.81E-03	7.15E-03	1.65E-04	9.57E-05	1.02E-02	2.67E-03	1.42E-08	2.21E-06	2.61E-06	2.68E-03
268	487999.44	3856839.39	5.71E-03	1.72E-08	2.10E-06	2.59E-06	5.71E-03	2.69E-03	7.08E-03	1.58E-04	9.48E-05	1.00E-02	2.56E-03	1.41E-08	2.10E-06	2.59E-06	2.56E-03
269	488049.44	3856839.39	5.47E-03	1.70E-08	2.01E-06	2.56E-06	5.48E-03	2.58E-03	7.01E-03	1.51E-04	9.40E-05	9.83E-03	2.45E-03	1.40E-08	2.01E-06	2.56E-06	2.46E-03
270	488099.44	3856839.39	5.25E-03	1.69E-08	1.96E-06	2.54E-06	5.25E-03	2.48E-03	6.95E-03	1.47E-04	9.33E-05	9.66E-03	2.35E-03	1.38E-08	1.96E-06	2.54E-06	2.36E-03
271	488149.44	3856839.39	5.04E-03	1.67E-08	1.95E-06	2.52E-06	5.05E-03	2.38E-03	6.88E-03	1.46E-04	9.25E-05	9.50E-03	2.26E-03	1.37E-08	1.95E-06	2.52E-06	2.27E-03
272	488199.44	3856839.39	4.85E-03	1.65E-08	1.97E-06	2.50E-06	4.85E-03	2.29E-03	6.82E-03	1.47E-04	9.18E-05	9.34E-03	2.18E-03	1.36E-08	1.97E-06	2.50E-06	2.18E-03
273	487949.44	3856889.39	5.90E-03	1.77E-08	2.34E-06	2.56E-06	5.90E-03	2.78E-03	7.29E-03	1.75E-04	9.39E-05	1.03E-02	2.64E-03	1.45E-08	2.34E-06	2.56E-06	2.65E-03
274	487999.44	3856889.39	5.63E-03	1.76E-08	2.23E-06	2.54E-06	5.63E-03	2.65E-03	7.24E-03	1.68E-04	9.31E-05	1.02E-02	2.52E-03	1.44E-08	2.23E-06	2.54E-06	2.53E-03
275	488049.44	3856889.39	5.39E-03	1.73E-08	2.14E-06	2.52E-06	5.40E-03	2.54E-03	7.14E-03	1.60E-04	9.24E-05	9.94E-03	2.42E-03	1.42E-08	2.14E-06	2.52E-06	2.42E-03
276	488099.44	3856889.39	5.16E-03	1.72E-08	2.08E-06	2.50E-06	5.17E-03	2.44E-03	7.09E-03	1.56E-04	9.18E-05	9.78E-03	2.32E-03	1.41E-08	2.08E-06	2.50E-06	2.32E-03
277	488635.86	3857895.05	1.13E-03	2.57E-08	1.62E-04	3.82E-06	1.29E-03	5.31E-04	1.06E-02	1.21E-02	1.40E-04	2.34E-02	5.05E-04	2.11E-08	1.62E-04	3.82E-06	6.71E-04
278	489137.64	3857804.15	1.22E-03	2.18E-08	6.31E-05	3.32E-06	1.28E-03	5.74E-04	8.97E-03	4.73E-03	1.22E-04	1.44E-02	5.46E-04	1.79E-08	6.31E-05	3.32E-06	6.12E-04
279	488617.32	3857859.41	1.18E-03	2.52E-08	1.57E-04	3.68E-06	1.34E-03	5.58E-04	1.04E-02	1.18E-02	1.35E-04	2.29E-02	5.30E-04	2.07E-08	1.57E-04	3.68E-06	6.91E-04
280	488667.32	3857859.41	1.18E-03	2.49E-08	1.43E-04	3.66E-06	1.33E-03	5.58E-04	1.03E-02	1.07E-02	1.34E-04	2.17E-02	5.31E-04	2.04E-08	1.43E-04	3.66E-06	6.77E-04
281	488717.32	3857859.41	1.18E-03	2.46E-08	1.30E-04	3.64E-06	1.32E-03	5.58E-04	1.01E-02	9.74E-03	1.34E-04	2.06E-02	5.30E-04	2.02E-08	1.30E-04	3.64E-06	6.64E-04
282	488767.32	3857859.41	1.18E-03	2.44E-08	1.18E-04	3.63E-06	1.30E-03	5.56E-04	1.00E-02	8.87E-03	1.33E-04	1.96E-02	5.29E-04	2.00E-08	1.18E-04	3.63E-06	6.51E-04
283	488617.32	3857909.41	1.10E-03	2.61E-08	1.71E-04	3.89E-06	1.28E-03	5.20E-04	1.08E-02	1.28E-02	1.42E-04	2.43E-02	4.95E-04	2.14E-08	1.71E-04	3.89E-06	6.70E-04
284	488667.32	3857909.41	1.10E-03	2.59E-08	1.52E-04	3.86E-06	1.26E-03	5.20E-04	1.07E-02	1.14E-02	1.42E-04	2.27E-02	4.94E-04	2.13E-08	1.52E-04	3.86E-06	6.50E-04
285	488717.32	3857909.41	1.11E-03	2.55E-08	1.35E-04	3.84E-06	1.25E-03	5.22E-04	1.05E-02	1.02E-02	1.41E-04	2.13E-02	4.96E-04	2.09E-08	1.35E-04	3.84E-06	6.36E-04
286	488767.32	3857909.41	1.11E-03	2.52E-08	1.22E-04	3.81E-06	1.23E-03	5.21E-04	1.04E-02	9.11E-03	1.40E-04	2.02E-02	4.96E-04	2.07E-08	1.22E-04	3.81E-06	6.21E-04
287	488417.32	3857959.41	1.02E-03	2.84E-08	3.05E-04	4.24E-06	1.32E-03	4.79E-04	1.17E-02	2.29E-02	1.55E-04	3.52E-02	4.56E-04	2.33E-08	3.05E-04	4.24E-06	7.65E-04
288	488467.32	3857959.41	1.02E-03	2.81E-08	2.60E-04	4.21E-06	1.28E-03	4.80E-04	1.16E-02	1.95E-02	1.54E-04	3.17E-02	4.57E-04	2.31E-08	2.60E-04	4.21E-06	7.21E-04
289	488517.32	3857959.41	1.02E-03	2.78E-08	2.23E-04	4.18E-06	1.25E-03	4.82E-04	1.14E-02	1.67E-02	1.53E-04	2.88E-02	4.58E-04	2.28E-08	2.23E-04	4.18E-06	6.85E-04
290	488567.32	3857959.41	1.02E-03	2.75E-08	1.93E-04	4.15E-06	1.22E-03	4.83E-04	1.13E-02	1.44E-02	1.52E-04	2.64E-02	4.59E-04	2.26E-08	1.93E-04	4.15E-06	6.56E-04
291	488617.32	3857959.41	1.03E-03	2.71E-08	1.68E-04	4.11E-06	1.20E-03	4.85E-04	1.12E-02	1.26E-02	1.51E-04	2.44E-02	4.61E-04	2.23E-08	1.68E-04	4.11E-06	6.33E-04
292	488667.32	3857959.41	1.03E-03	2.68E-08	1.47E-04	4.07E-06	1.18E-03	4.87E-04	1.10E-02	1.10E-02	1.49E-04	2.27E-02	4.63E-04	2.20E-08	1.47E-04	4.07E-06	6.14E-04
293	488717.32	3857959.41	1.03E-03	2.65E-08	1.30E-04	4.04E-06	1.17E-03	4.87E-04	1.09E-02	9.75E-03	1.48E-04	2.13E-02	4.64E-04	2.17E-08	1.30E-04	4.04E-06	5.98E-04
294	488767.32	3857959.41	1.04E-03	2.62E-08	1.16E-04	4.00E-06	1.16E-03	4.88E-04	1.08E-02	8.69E-03	1.47E-04	2.01E-02	4.65E-04	2.15E-08	1.16E-04	4.00E-06	5.84E-04
295	488417.32	3858009.41	9.48E-04	2.96E-08	2.68E-04	4.52E-06	1.22E-03	4.47E-04	1.22E-02	2.01E-02	1.66E-04	3.29E-02	4.25E-04	2.43E-08	2.68E-04	4.52E-06	6.98E-04
296	488467.32	3858009.41	9.50E-04	2.92E-08	2.27E-04	4.48E-06	1.18E-03	4.48E-04	1.20E-02	1.70E-02	1.64E-04	2.97E-02	4.26E-04	2.40E-08	2.27E-04	4.48E-06	6.57E-04
297	488517.32	3858009.41	9.52E-04	2.89E-08	1.93E-04	4.44E-06	1.15E-03	4.49E-04	1.19E-02	1.45E-02	1.63E-04	2.70E-02	4.27E-04	2.37E-08	1.93E-04	4.44E-06	6.25E-04
298	488567.32	3858009.41	9.54E-04	2.86E-08	1.67E-04	4.39E-06	1.13E-03	4.50E-04	1.18E-02	1.25E-02	1.61E-04	2.49E-02	4.28E-04	2.35E-08	1.67E-04	4.39E-06	5.99E-04
299	488617.32	3858009.41	9.59E-04	2.82E-08	1.46E-04	4.34E-06	1.11E-03	4.52E-04	1.16E-02	1.09E-02	1.59E-04	2.32E-02	4.30E-04	2.31E-08	1.46E-04	4.34E-06	5.80E-04
300	488667.32	3858009.41	9.64E-04	2.78E-08	1.28E-04	4.29E-06	1.10E-03	4.55E-04	1.15E-02	9.63E-03	1.57E-04	2.17E-02	4.32E-04	2.28E-08	1.28E-04	4.29E-06	5.65E-04
301	488717.32	3858009.41	9.67E-04	2.75E-08	1.14E-04	4.24E-06	1.09E-03	4.56E-04	1.13E-02	8.56E-03	1.56E-04	2.05E-02	4.34E-04	2.25E-08	1.14E-04	4.24E-06	5.52E-04

302	488767.32	3858009.41	9.70E-04	2.71E-08	1.02E-04	4.19E-06	1.08E-03	4.58E-04	1.12E-02	7.66E-03	1.54E-04	1.95E-02	4.35E-04	2.23E-08	1.02E-04	4.19E-06	5.42E-04
303	488417.32	3858059.41	8.89E-04	3.08E-08	1.87E-04	4.83E-06	1.08E-03	4.19E-04	1.27E-02	1.40E-02	1.77E-04	2.73E-02	3.99E-04	2.53E-08	1.87E-04	4.83E-06	5.91E-04
304	488467.32	3858059.41	8.89E-04	3.05E-08	1.64E-04	4.77E-06	1.06E-03	4.19E-04	1.26E-02	1.23E-02	1.75E-04	2.55E-02	3.99E-04	2.50E-08	1.64E-04	4.77E-06	5.67E-04
305	488517.32	3858059.41	8.90E-04	3.01E-08	1.44E-04	4.71E-06	1.04E-03	4.20E-04	1.24E-02	1.08E-02	1.73E-04	2.38E-02	3.99E-04	2.47E-08	1.44E-04	4.71E-06	5.48E-04
306	488567.32	3858059.41	8.92E-04	2.98E-08	1.28E-04	4.64E-06	1.02E-03	4.21E-04	1.23E-02	9.58E-03	1.70E-04	2.24E-02	4.00E-04	2.44E-08	1.28E-04	4.64E-06	5.33E-04
307	488617.32	3858059.41	8.95E-04	2.94E-08	1.14E-04	4.58E-06	1.01E-03	4.22E-04	1.21E-02	8.54E-03	1.68E-04	2.12E-02	4.01E-04	2.41E-08	1.14E-04	4.58E-06	5.20E-04
308	488667.32	3858059.41	9.00E-04	2.89E-08	1.02E-04	4.51E-06	1.01E-03	4.24E-04	1.19E-02	7.68E-03	1.65E-04	2.02E-02	4.04E-04	2.38E-08	1.02E-04	4.51E-06	5.10E-04
309	488417.32	3858109.41	8.41E-04	3.21E-08	1.17E-04	5.14E-06	9.63E-04	3.97E-04	1.32E-02	8.76E-03	1.88E-04	2.26E-02	3.77E-04	2.63E-08	1.17E-04	5.14E-06	4.99E-04
310	488467.32	3858109.41	8.38E-04	3.17E-08	1.08E-04	5.06E-06	9.51E-04	3.95E-04	1.31E-02	8.10E-03	1.86E-04	2.18E-02	3.76E-04	2.60E-08	1.08E-04	5.06E-06	4.89E-04
311	488517.32	3858109.41	8.37E-04	3.14E-08	9.90E-05	4.98E-06	9.41E-04	3.95E-04	1.29E-02	7.43E-03	1.83E-04	2.09E-02	3.75E-04	2.58E-08	9.90E-05	4.98E-06	4.79E-04
312	488567.32	3858109.41	8.37E-04	3.10E-08	9.09E-05	4.90E-06	9.33E-04	3.95E-04	1.28E-02	6.82E-03	1.80E-04	2.01E-02	3.76E-04	2.54E-08	9.09E-05	4.90E-06	4.71E-04
313	488617.32	3858109.41	8.39E-04	3.06E-08	8.33E-05	4.82E-06	9.27E-04	3.96E-04	1.26E-02	6.25E-03	1.77E-04	1.94E-02	3.76E-04	2.51E-08	8.33E-05	4.82E-06	4.64E-04
314	488667.32	3858109.41	8.43E-04	3.01E-08	7.69E-05	4.73E-06	9.25E-04	3.98E-04	1.24E-02	5.77E-03	1.73E-04	1.87E-02	3.78E-04	2.47E-08	7.69E-05	4.73E-06	4.60E-04
315	488769.93	3858449.27	6.02E-04	3.83E-08	1.09E-05	5.99E-06	6.19E-04	2.84E-04	1.58E-02	8.17E-04	2.20E-04	1.71E-02	2.70E-04	3.15E-08	1.09E-05	5.99E-06	2.87E-04
316	488819.93	3858449.27	5.99E-04	3.77E-08	1.15E-05	5.84E-06	6.17E-04	2.83E-04	1.55E-02	8.61E-04	2.14E-04	1.69E-02	2.69E-04	3.09E-08	1.15E-05	5.84E-06	2.86E-04
317	488819.93	3858499.27	5.78E-04	3.97E-08	8.86E-06	6.02E-06	5.93E-04	2.72E-04	1.63E-02	6.65E-04	2.21E-04	1.75E-02	2.59E-04	3.25E-08	8.86E-06	6.02E-06	2.74E-04
318	488869.93	3858499.27	5.75E-04	3.90E-08	9.34E-06	5.87E-06	5.90E-04	2.71E-04	1.61E-02	7.01E-04	2.15E-04	1.73E-02	2.58E-04	3.20E-08	9.34E-06	5.87E-06	2.73E-04
319	488869.93	3858549.27	5.56E-04	4.14E-08	7.38E-06	6.03E-06	5.69E-04	2.62E-04	1.70E-02	5.53E-04	2.21E-04	1.81E-02	2.49E-04	3.40E-08	7.38E-06	6.03E-06	2.63E-04
320	489438.17	3859571.48	3.10E-04	6.17E-08	1.31E-06	1.28E-05	3.24E-04	1.46E-04	2.54E-02	9.83E-05	4.69E-04	2.61E-02	1.39E-04	5.06E-08	1.31E-06	1.28E-05	1.53E-04
321	489488.17	3859571.48	3.10E-04	5.97E-08	1.33E-06	1.21E-05	3.24E-04	1.46E-04	2.46E-02	1.00E-04	4.45E-04	2.53E-02	1.39E-04	4.90E-08	1.33E-06	1.21E-05	1.53E-04
322	489538.17	3859571.48	3.11E-04	5.79E-08	1.36E-06	1.15E-05	3.23E-04	1.46E-04	2.39E-02	1.02E-04	4.23E-04	2.45E-02	1.39E-04	4.75E-08	1.36E-06	1.15E-05	1.52E-04
323	489588.17	3859571.48	3.10E-04	5.63E-08	1.38E-06	1.10E-05	3.22E-04	1.46E-04	2.32E-02	1.04E-04	4.04E-04	2.39E-02	1.39E-04	4.62E-08	1.38E-06	1.10E-05	1.51E-04
324	489438.17	3859621.48	3.00E-04	6.04E-08	1.26E-06	1.29E-05	3.15E-04	1.42E-04	2.49E-02	9.47E-05	4.74E-04	2.56E-02	1.35E-04	4.96E-08	1.26E-06	1.29E-05	1.49E-04
325	489488.17	3859621.48	3.01E-04	5.86E-08	1.28E-06	1.23E-05	3.15E-04	1.42E-04	2.42E-02	9.59E-05	4.49E-04	2.48E-02	1.35E-04	4.81E-08	1.28E-06	1.23E-05	1.49E-04
326	489538.17	3859621.48	3.02E-04	5.70E-08	1.30E-06	1.16E-05	3.15E-04	1.43E-04	2.35E-02	9.74E-05	4.26E-04	2.41E-02	1.36E-04	4.68E-08	1.30E-06	1.16E-05	1.48E-04
327	489588.17	3859621.48	3.03E-04	5.53E-08	1.33E-06	1.11E-05	3.15E-04	1.43E-04	2.28E-02	9.94E-05	4.05E-04	2.34E-02	1.36E-04	4.54E-08	1.33E-06	1.11E-05	1.48E-04
328	489238.17	3859671.48	2.85E-04	6.68E-08	1.14E-06	1.66E-05	3.02E-04	1.34E-04	2.75E-02	8.58E-05	6.09E-04	2.83E-02	1.28E-04	5.48E-08	1.14E-06	1.66E-05	1.45E-04
329	489288.17	3859671.48	2.86E-04	6.48E-08	1.17E-06	1.55E-05	3.03E-04	1.35E-04	2.67E-02	8.76E-05	5.70E-04	2.75E-02	1.28E-04	5.32E-08	1.17E-06	1.55E-05	1.45E-04
330	489338.17	3859671.48	2.88E-04	6.28E-08	1.19E-06	1.46E-05	3.04E-04	1.36E-04	2.59E-02	8.92E-05	5.34E-04	2.67E-02	1.29E-04	5.16E-08	1.19E-06	1.46E-05	1.45E-04
331	489388.17	3859671.48	2.90E-04	6.09E-08	1.21E-06	1.37E-05	3.05E-04	1.37E-04	2.51E-02	9.06E-05	5.02E-04	2.58E-02	1.30E-04	5.00E-08	1.21E-06	1.37E-05	1.45E-04
332	489438.17	3859671.48	2.91E-04	5.92E-08	1.22E-06	1.29E-05	3.06E-04	1.37E-04	2.44E-02	9.15E-05	4.73E-04	2.51E-02	1.31E-04	4.86E-08	1.22E-06	1.29E-05	1.45E-04
333	489488.17	3859671.48	2.93E-04	5.75E-08	1.24E-06	1.22E-05	3.07E-04	1.38E-04	2.37E-02	9.29E-05	4.47E-04	2.44E-02	1.32E-04	4.72E-08	1.24E-06	1.22E-05	1.45E-04
334	489538.17	3859671.48	2.94E-04	5.59E-08	1.26E-06	1.15E-05	3.07E-04	1.39E-04	2.30E-02	9.41E-05	4.23E-04	2.37E-02	1.32E-04	4.59E-08	1.26E-06	1.15E-05	1.45E-04
335	489588.17	3859671.48	2.95E-04	5.44E-08	1.28E-06	1.10E-05	3.08E-04	1.39E-04	2.24E-02	9.57E-05	4.02E-04	2.30E-02	1.32E-04	4.46E-08	1.28E-06	1.10E-05	1.45E-04
336	489238.17	3859721.48	2.76E-04	6.55E-08	1.10E-06	1.64E-05	2.94E-04	1.30E-04	2.70E-02	8.26E-05	6.00E-04	2.78E-02	1.24E-04	5.37E-08	1.10E-06	1.64E-05	1.41E-04
337	489288.17	3859721.48	2.78E-04	6.32E-08	1.13E-06	1.53E-05	2.95E-04	1.31E-04	2.60E-02	8.49E-05	5.60E-04	2.68E-02	1.25E-04	5.19E-08	1.13E-06	1.53E-05	1.41E-04
338	489338.17	3859721.48	2.80E-04	6.15E-08	1.15E-06	1.43E-05	2.95E-04	1.32E-04	2.53E-02	8.66E-05	5.25E-04	2.61E-02	1.25E-04	5.04E-08	1.15E-06	1.43E-05	1.41E-04
339	489388.17	3859721.48	2.81E-04	5.98E-08	1.17E-06	1.35E-05	2.96E-04	1.33E-04	2.47E-02	8.79E-05	4.94E-04	2.54E-02	1.26E-04	4.91E-08	1.17E-06	1.35E-05	1.41E-04
340	489438.17	3859721.48	2.83E-04	5.83E-08	1.19E-06	1.27E-05	2.97E-04	1.33E-04	2.40E-02	8.89E-05	4.65E-04	2.47E-02	1.27E-04	4.79E-08	1.19E-06	1.27E-05	1.41E-04
341	489488.17	3859721.48	2.85E-04	5.66E-08	1.20E-06	1.20E-05	2.98E-04	1.34E-04	2.33E-02	9.02E-05	4.39E-04	2.40E-02	1.28E-04	4.65E-08	1.20E-06	1.20E-05	1.41E-04
342	489538.17	3859721.48	2.87E-04	5.51E-08	1.22E-06	1.13E-05	2.99E-04	1.35E-04	2.27E-02	9.13E-05	4.16E-04	2.33E-02	1.29E-04	4.52E-08	1.22E-06	1.13E-05	1.41E-04
343	489588.17	3859721.48	2.88E-04	5.37E-08	1.23E-06	1.07E-05	3.00E-04	1.36E-04	2.21E-02	9.26E-05	3.94E-04	2.27E-02	1.29E-04	4.40E-08	1.23E-06	1.07E-05	1.41E-04
344	489238.17	3859771.48	2.68E-04	6.46E-08	1.06E-06	1.59E-05	2.85E-04	1.27E-04	2.66E-02	7.95E-05	5.82E-04	2.74E-02	1.20E-04	5.30E-08	1.06E-06	1.59E-05	1.37E-04
345	489288.17	3859771.48	2.70E-04	6.24E-08	1.09E-06	1.48E-05	2.86E-04	1.27E-04	2.57E-02	8.20E-05	5.44E-04	2.65E-02	1.21E-04	5.12E-08	1.09E-06	1.48E-05	1.37E-04
346	489338.17	3859771.48	2.71E-04	6.09E-08	1.12E-06	1.39E-05	2.87E-04	1.28E-04	2.51E-02	8.38E-05	5.11E-04	2.58E-02	1.22E-04	5.00E-08	1.12E-06	1.39E-05	1.37E-04
347	489388.17	3859771.48	2.73E-04	5.93E-08	1.14E-06	1.31E-05	2.87E-04	1.29E-04	2.44E-02	8.54E-05	4.81E-04	2.51E-02	1.23E-04	4.86E-08	1.14E-06	1.31E-05	1.37E-04
348	489438.17	3859771.48	2.75E-04	5.78E-08	1.15E-06	1.24E-05	2.88E-04	1.29E-04	2.38E-02	8.64E-05	4.53E-04	2.45E-02	1.23E-04	4.75E-08	1.15E-06	1.24E-05	1.37E-04
349	489488.17	3859771.48	2.77E-04	5.61E-08	1.17E-06	1.17E-05	2.90E-04	1.31E-04	2.31E-02	8.78E-05	4.28E-04	2.38E-02	1.24E-04	4.60E-08	1.17E-06	1.17E-05	1.37E-04
350	489538.17	3859771.48	2.79E-04	5.45E-08	1.19E-06	1.10E-05	2.91E-04	1.32E-04	2.25E-02	8.90E-05	4.05E-04	2.31E-02	1.25E-04	4.47E-08	1.19E-06	1.10E-05	1.37E-04
351	489588.17	3859771.48	2.80E-04	5.32E-08	1.20E-06	1.05E-05	2.92E-04	1.32E-04	2.19E-02	8.99E-05	3.84E-04	2.25E-02	1.26E-04	4.37E-08	1.20E-06	1.05E-05	1.37E-04
352	489238.17	3859821.48	2.61E-04	6.46E-08	1.02E-06	1.53E-05	2.77E-04	1.23E-04	2.66E-02	7.64E-05	5.63E-04	2.74E-02	1.17E-04	5.30E-08	1.02E-06	1.53E-05	1.33E-04
353	489288.17	3859821.48	2.63E-04	6.24E-08	1.05E-06	1.44E-05	2.78E-04	1.24E-04	2.57E-02	7.91E-05	5.27E-04	2.64E-02	1.18E-04	5.12E-08	1.05E-06	1.44E-05	1.33E-04
354	489338.17	3859821.48	2.64E-04	6.08E-08	1.08E-06	1.35E-05	2.78E-04	1.24E-04	2.50E-02	8.12E-05	4.95E-04	2.57E-02	1.18E-04	4.99E-08	1.08E-06	1.35E-05	1.33E-04
355	489388.17	3859821.48	2.65E-04	5.92E-08	1.11E-06	1.27E-05	2.79E-04	1.25E-04	2.44E-02	8.29E-05	4.66E-04	2.51E-02	1.19E-04	4.86E-08	1.11E-06	1.27E-05	1.33E-04
356	489438.17	3859821.48	2.67E-04	5.75E-08	1.13E-06	1.20E-05	2.81E-04	1.26E-04	2.37E-02	8.45E-05	4.40E-04	2.43E-02	1.20E-04	4.72E-08	1.13E-06	1.20E-05	1.33E-04
357	489488.17	3859821.48	2.69E-04	5.58E-08	1.14E-06	1.13E-05	2.82E-04	1.27E-04	2.30E-02	8.59E-05	4.15E-04	2.36E-02	1.21E-04	4.58E-08	1.14E-06	1.13E-05	1.33E-04
358	489538.17	3859821.48	2.71E-04	5.43E-08	1.16E-06	1.07E-05	2.83E-04	1.28E-04	2.24E-02	8.70E-05	3.93E-04	2.30E-02	1.22E-04	4.45E-08	1.16E-06	1.07E-05	1.34E-04
359	489588.17	3859821.48	2.73E-04	5.29E-08	1.17E-06	1.02E-05	2.84E-04	1.29E-04	2.18E-02	8.78E-05	3.73E-04	2.24E-02	1.22E-04	4.34E-08	1.17E-06	1.02E-05	1.34E-04
360	489238.17	3859871.48	2.54E-04	6.53E-08	9.78E-07	1.48E-05	2.70E-04	1.20E-04	2.69E-02	7.34E-05	5.44E-04	2.77E-02	1.14E-04	5.36E-08	9.78E-07	1.48E-05	1.30E-04
361	489288.17	3859871.48	2.55E-04	6.34E-08	1.01E-06	1.39E-05	2.70E-04	1.20E-04	2.61E-02	7.61E-05	5.11E-04	2.68E-02	1.15E-04	5.21E-08	1.01E-06	1.39E-05	1.30E-04
362	489338.17	3859871.48	2.57E-04	6.13E-08	1.05E-06	1.31E-05	2.71E-04	1.21E-04	2.53E-02	7.85E-05	4.80E-04	2.59E-02	1.15E-04	5.03E-08	1.05E-06	1.31E-05	1.29E-04

363	489388.17	3859871.48	2.58E-04	5.94E-08	1.07E-06	1.23E-05	2.72E-04	1.22E-04	2.45E-02	8.06E-05	4.52E-04	2.51E-02	1.16E-04	4.88E-08	1.07E-06	1.23E-05	1.29E-04
364	489438.17	3859871.48	2.61E-04	5.75E-08	1.10E-06	1.16E-05	2.73E-04	1.23E-04	2.37E-02	8.27E-05	4.26E-04	2.43E-02	1.17E-04	4.71E-08	1.10E-06	1.16E-05	1.30E-04
365	489488.17	3859871.48	2.63E-04	5.54E-08	1.13E-06	1.10E-05	2.75E-04	1.24E-04	2.28E-02	8.47E-05	4.02E-04	2.34E-02	1.18E-04	4.54E-08	1.13E-06	1.10E-05	1.30E-04
366	489538.17	3859871.48	2.64E-04	5.41E-08	1.14E-06	1.04E-05	2.76E-04	1.25E-04	2.23E-02	8.54E-05	3.82E-04	2.29E-02	1.19E-04	4.44E-08	1.14E-06	1.04E-05	1.30E-04
367	489588.17	3859871.48	2.66E-04	5.27E-08	1.15E-06	9.88E-06	2.77E-04	1.25E-04	2.17E-02	8.63E-05	3.62E-04	2.23E-02	1.19E-04	4.32E-08	1.15E-06	9.88E-06	1.30E-04
368	489238.17	3859921.48	2.48E-04	6.68E-08	9.41E-07	1.42E-05	2.63E-04	1.17E-04	2.75E-02	7.05E-05	5.22E-04	2.82E-02	1.11E-04	5.48E-08	9.41E-07	1.42E-05	1.27E-04
369	489288.17	3859921.48	2.49E-04	6.41E-08	9.81E-07	1.34E-05	2.64E-04	1.18E-04	2.64E-02	7.35E-05	4.91E-04	2.71E-02	1.12E-04	5.26E-08	9.81E-07	1.34E-05	1.26E-04
370	489338.17	3859921.48	2.51E-04	6.20E-08	1.02E-06	1.26E-05	2.64E-04	1.18E-04	2.55E-02	7.62E-05	4.62E-04	2.62E-02	1.12E-04	5.09E-08	1.02E-06	1.26E-05	1.26E-04
371	489388.17	3859921.48	2.52E-04	5.98E-08	1.05E-06	1.19E-05	2.65E-04	1.19E-04	2.46E-02	7.87E-05	4.35E-04	2.53E-02	1.13E-04	4.91E-08	1.05E-06	1.19E-05	1.26E-04
372	489438.17	3859921.48	2.55E-04	5.74E-08	1.08E-06	1.12E-05	2.67E-04	1.20E-04	2.36E-02	8.13E-05	4.10E-04	2.42E-02	1.14E-04	4.71E-08	1.08E-06	1.12E-05	1.27E-04
373	489488.17	3859921.48	2.56E-04	5.56E-08	1.11E-06	1.06E-05	2.68E-04	1.21E-04	2.29E-02	8.30E-05	3.88E-04	2.35E-02	1.15E-04	4.56E-08	1.11E-06	1.06E-05	1.27E-04
374	489538.17	3859921.48	2.58E-04	5.41E-08	1.12E-06	1.00E-05	2.69E-04	1.22E-04	2.23E-02	8.41E-05	3.68E-04	2.29E-02	1.16E-04	4.44E-08	1.12E-06	1.00E-05	1.27E-04
375	489588.17	3859921.48	2.60E-04	5.23E-08	1.14E-06	9.53E-06	2.70E-04	1.22E-04	2.16E-02	8.53E-05	3.49E-04	2.21E-02	1.16E-04	4.29E-08	1.14E-06	9.53E-06	1.27E-04
376	489238.17	3859971.48	2.43E-04	6.82E-08	9.05E-07	1.35E-05	2.57E-04	1.14E-04	2.81E-02	6.79E-05	4.95E-04	2.88E-02	1.09E-04	5.60E-08	9.05E-07	1.35E-05	1.23E-04
377	489288.17	3859971.48	2.43E-04	6.56E-08	9.43E-07	1.27E-05	2.57E-04	1.15E-04	2.70E-02	7.07E-05	4.66E-04	2.77E-02	1.09E-04	5.38E-08	9.43E-07	1.27E-05	1.23E-04
378	489338.17	3859971.48	2.45E-04	6.30E-08	9.82E-07	1.20E-05	2.58E-04	1.15E-04	2.60E-02	7.37E-05	4.39E-04	2.66E-02	1.10E-04	5.17E-08	9.82E-07	1.20E-05	1.23E-04
379	489388.17	3859971.48	2.47E-04	6.03E-08	1.02E-06	1.13E-05	2.59E-04	1.16E-04	2.48E-02	7.68E-05	4.14E-04	2.54E-02	1.11E-04	4.95E-08	1.02E-06	1.13E-05	1.23E-04
380	489438.17	3859971.48	2.49E-04	5.73E-08	1.07E-06	1.07E-05	2.61E-04	1.17E-04	2.36E-02	8.00E-05	3.91E-04	2.42E-02	1.12E-04	4.70E-08	1.07E-06	1.07E-05	1.23E-04
381	489488.17	3859971.48	2.52E-04	5.40E-08	1.10E-06	1.01E-05	2.63E-04	1.19E-04	2.22E-02	8.24E-05	3.69E-04	2.28E-02	1.13E-04	4.43E-08	1.10E-06	1.01E-05	1.24E-04
382	489538.17	3859971.48	2.54E-04	5.16E-08	1.11E-06	9.54E-06	2.64E-04	1.20E-04	2.12E-02	8.30E-05	3.50E-04	2.18E-02	1.14E-04	4.23E-08	1.11E-06	9.54E-06	1.25E-04
383	489588.17	3859971.48	2.56E-04	4.96E-08	1.11E-06	9.07E-06	2.66E-04	1.21E-04	2.04E-02	8.36E-05	3.32E-04	2.10E-02	1.15E-04	4.07E-08	1.11E-06	9.07E-06	1.25E-04
384	483577.7	3854071	4.32E-04	2.01E-09	3.29E-07	1.09E-06	4.34E-04	2.04E-04	8.27E-04	2.47E-05	4.00E-05	1.10E-03	1.94E-04	1.65E-09	3.29E-07	1.09E-06	1.95E-04
385	483627.7	3854071	4.50E-04	1.97E-09	3.29E-07	1.10E-06	4.51E-04	2.12E-04	8.10E-04	2.47E-05	4.04E-05	1.09E-03	2.02E-04	1.61E-09	3.29E-07	1.10E-06	2.03E-04
386	483677.7	3854071	4.64E-04	1.92E-09	3.29E-07	1.11E-06	4.66E-04	2.19E-04	7.90E-04	2.47E-05	4.08E-05	1.07E-03	2.08E-04	1.57E-09	3.29E-07	1.11E-06	2.10E-04
387	483727.7	3854071	4.76E-04	1.87E-09	3.29E-07	1.12E-06	4.77E-04	2.24E-04	7.70E-04	2.47E-05	4.12E-05	1.06E-03	2.13E-04	1.53E-09	3.29E-07	1.12E-06	2.15E-04
388	483777.7	3854071	4.82E-04	1.79E-09	3.30E-07	1.14E-06	4.83E-04	2.27E-04	7.37E-04	2.47E-05	4.19E-05	1.03E-03	2.16E-04	1.47E-09	3.30E-07	1.14E-06	2.18E-04
389	483577.7	3854121	4.35E-04	2.07E-09	3.33E-07	1.16E-06	4.37E-04	2.05E-04	8.54E-04	2.49E-05	4.24E-05	1.13E-03	1.95E-04	1.70E-09	3.33E-07	1.16E-06	1.97E-04
390	483627.7	3854121	4.55E-04	2.01E-09	3.33E-07	1.17E-06	4.56E-04	2.14E-04	8.28E-04	2.49E-05	4.28E-05	1.11E-03	2.04E-04	1.65E-09	3.33E-07	1.17E-06	2.05E-04
391	483677.7	3854121	4.72E-04	1.93E-09	3.33E-07	1.18E-06	4.74E-04	2.23E-04	7.93E-04	2.49E-05	4.33E-05	1.08E-03	2.12E-04	1.58E-09	3.33E-07	1.18E-06	2.13E-04
392	483727.7	3854121	4.86E-04	1.84E-09	3.33E-07	1.20E-06	4.88E-04	2.29E-04	7.59E-04	2.49E-05	4.40E-05	1.06E-03	2.18E-04	1.51E-09	3.33E-07	1.20E-06	2.20E-04
393	483777.7	3854121	5.01E-04	1.79E-09	3.33E-07	1.23E-06	5.03E-04	2.36E-04	7.38E-04	2.49E-05	4.50E-05	1.04E-03	2.25E-04	1.47E-09	3.33E-07	1.23E-06	2.26E-04
394	483577.7	3854171	4.38E-04	2.08E-09	3.36E-07	1.23E-06	4.40E-04	2.07E-04	8.57E-04	2.52E-05	4.51E-05	1.13E-03	1.97E-04	1.71E-09	3.36E-07	1.23E-06	1.98E-04
395	483627.7	3854171	4.58E-04	1.98E-09	3.36E-07	1.25E-06	4.59E-04	2.16E-04	8.17E-04	2.52E-05	4.57E-05	1.10E-03	2.05E-04	1.63E-09	3.36E-07	1.25E-06	2.07E-04
396	483677.7	3854171	4.77E-04	1.91E-09	3.36E-07	1.26E-06	4.79E-04	2.25E-04	7.89E-04	2.52E-05	4.64E-05	1.09E-03	2.14E-04	1.57E-09	3.36E-07	1.26E-06	2.15E-04
397	483727.7	3854171	4.96E-04	1.86E-09	3.36E-07	1.29E-06	4.98E-04	2.34E-04	7.66E-04	2.52E-05	4.74E-05	1.07E-03	2.22E-04	1.53E-09	3.36E-07	1.29E-06	2.24E-04
398	483777.7	3854171	5.12E-04	1.80E-09	3.36E-07	1.33E-06	5.13E-04	2.41E-04	7.41E-04	2.52E-05	4.87E-05	1.06E-03	2.29E-04	1.48E-09	3.36E-07	1.33E-06	2.31E-04
399	483827.7	3854171	5.19E-04	1.71E-09	3.37E-07	1.37E-06	5.21E-04	2.45E-04	7.06E-04	2.53E-05	5.02E-05	1.03E-03	2.33E-04	1.41E-09	3.37E-07	1.37E-06	2.35E-04
400	483877.7	3854171	5.22E-04	1.67E-09	3.37E-07	1.40E-06	5.24E-04	2.46E-04	6.89E-04	2.53E-05	5.15E-05	1.01E-03	2.34E-04	1.37E-09	3.37E-07	1.40E-06	2.36E-04
401	483727.7	3854221	4.99E-04	1.89E-09	3.39E-07	1.41E-06	5.01E-04	2.36E-04	7.80E-04	2.55E-05	5.17E-05	1.09E-03	2.24E-04	1.55E-09	3.39E-07	1.41E-06	2.26E-04
402	483777.7	3854221	5.17E-04	1.83E-09	3.39E-07	1.46E-06	5.19E-04	2.44E-04	7.53E-04	2.55E-05	5.34E-05	1.08E-03	2.32E-04	1.50E-09	3.39E-07	1.46E-06	2.34E-04
403	483827.7	3854221	5.35E-04	1.81E-09	3.40E-07	1.50E-06	5.37E-04	2.52E-04	7.47E-04	2.55E-05	5.49E-05	1.08E-03	2.40E-04	1.49E-09	3.40E-07	1.50E-06	2.42E-04
404	483877.7	3854221	5.42E-04	1.74E-09	3.40E-07	1.54E-06	5.44E-04	2.56E-04	7.19E-04	2.55E-05	5.64E-05	1.06E-03	2.43E-04	1.43E-09	3.40E-07	1.54E-06	2.45E-04
405	489150.19	3858726.45	4.85E-04	4.87E-08	4.88E-06	6.22E-06	4.96E-04	2.29E-04	2.01E-02	3.66E-04	2.28E-04	2.09E-02	2.17E-04	4.00E-08	4.88E-06	6.22E-06	2.29E-04
406	489200.19	3858726.45	4.83E-04	4.77E-08	5.05E-06	6.14E-06	4.94E-04	2.28E-04	1.97E-02	3.79E-04	2.25E-04	2.05E-02	2.16E-04	3.92E-08	5.05E-06	6.14E-06	2.28E-04
407	489150.19	3858776.45	4.70E-04	5.31E-08	4.17E-06	6.53E-06	4.81E-04	2.22E-04	2.19E-02	3.13E-04	2.39E-04	2.26E-02	2.11E-04	4.36E-08	4.17E-06	6.53E-06	2.22E-04
408	489200.19	3858776.45	4.68E-04	5.16E-08	4.34E-06	6.46E-06	4.79E-04	2.21E-04	2.13E-02	3.26E-04	2.37E-04	2.20E-02	2.10E-04	4.23E-08	4.34E-06	6.46E-06	2.21E-04
409	488919.6	3856400.76	3.17E-03	1.16E-08	1.65E-06	2.54E-06	3.18E-03	1.50E-03	4.77E-03	1.24E-04	9.32E-05	6.48E-03	1.42E-03	9.50E-09	1.65E-06	2.54E-06	1.43E-03
410	488919.6	3856450.76	3.20E-03	1.19E-08	1.71E-06	2.51E-06	3.20E-03	1.51E-03	4.89E-03	1.28E-04	9.20E-05	6.62E-03	1.43E-03	9.75E-09	1.71E-06	2.51E-06	1.44E-03
411	488969.6	3856450.76	3.12E-03	1.18E-08	1.73E-06	2.49E-06	3.13E-03	1.47E-03	4.85E-03	1.29E-04	9.13E-05	6.54E-03	1.40E-03	9.65E-09	1.73E-06	2.49E-06	1.41E-03
412	488919.6	3856500.76	3.22E-03	1.22E-08	1.77E-06	2.48E-06	3.22E-03	1.52E-03	5.02E-03	1.33E-04	9.08E-05	6.76E-03	1.44E-03	1.00E-08	1.77E-06	2.48E-06	1.45E-03
413	488969.6	3856500.76	3.14E-03	1.21E-08	1.79E-06	2.46E-06	3.15E-03	1.48E-03	4.98E-03	1.34E-04	9.02E-05	6.69E-03	1.41E-03	9.92E-09	1.79E-06	2.46E-06	1.41E-03
414	488919.6	3856550.76	3.23E-03	1.25E-08	1.84E-06	2.45E-06	3.23E-03	1.52E-03	5.16E-03	1.38E-04	8.97E-05	6.91E-03	1.45E-03	1.03E-08	1.84E-06	2.45E-06	1.45E-03
415	488969.6	3856550.76	3.15E-03	1.24E-08	1.87E-06	2.44E-06	3.16E-03	1.49E-03	5.11E-03	1.41E-04	8.93E-05	6.82E-03	1.41E-03	1.02E-08	1.87E-06	2.44E-06	1.42E-03
416	488819.6	3856600.76	3.40E-03	1.31E-08	1.87E-06	2.45E-06	3.40E-03	1.60E-03	5.38E-03	1.40E-04	8.97E-05	7.21E-03	1.52E-03	1.07E-08	1.87E-06	2.45E-06	1.53E-03
417	488869.6	3856600.76	3.31E-03	1.29E-08	1.90E-06	2.43E-06	3.32E-03	1.56E-03	5.32E-03	1.42E-04	8.92E-05	7.12E-03	1.49E-03	1.06E-08	1.90E-06	2.43E-06	1.49E-03
418	488919.6	3856600.76	3.23E-03	1.28E-08	1.93E-06	2.42E-06	3.23E-03	1.52E-03	5.28E-03	1.45E-04	8.88E-05	7.04E-03	1.45E-03	1.05E-08	1.93E-06	2.42E-06	1.45E-03
419	488819.6	3856650.76	3.39E-03	1.34E-08	1.96E-06	2.42E-06	3.40E-03	1.60E-03	5.51E-03	1.47E-04	8.87E-05	7.34E-03	1.52E-03	1.10E-08	1.96E-06	2.42E-06	1.53E-03
420	488869.6	3856650.76	3.30E-03	1.32E-08	2.00E-06	2.41E-06	3.31E-03	1.56E-03	5.45E-03	1.50E-04	8.84E-05	7.25E-03	1.48E-03	1.09E-08	2.00E-06	2.41E-06	1.49E-03
421	488819.6	3856700.76	3.37E-03	1.37E-08	2.06E-06	2.40E-06	3.37E-03	1.59E-03	5.64E-03	1.55E-04	8.79E-05	7.47E-03	1.51E-03	1.12E-08	2.06E-06	2.40E-06	1.52E-03
422	488869.6	3856700.76	3.28E-03	1.35E-08	2.12E-06	2.39E-06	3.29E-03	1.55E-03	5.58E-03	1.59E-04	8.77E-05	7.37E-03	1.47E-03	1.11E-08	2.12E-06	2.39E-06	1.48E-03
423	488819.6	3856750.76	3.34E-03	1.40E-08	2.19E-06	2.38E-06	3.34E-03	1.57E-03	5.76E-03	1.65E-04	8.73E-05	7.59E-03	1.50E-03	1.15E-08	2.19E-06	2.38E-06	1.50E-03

424	488869.6	3856750.76	3.25E-03	1.39E-08	2.27E-06	2.38E-06	3.25E-03	1.53E-03	5.71E-03	1.70E-04	8.72E-05	7.50E-03	1.46E-03	1.14E-08	2.27E-06	2.38E-06	1.46E-03
425	488819.6	3857050.76	2.88E-03	1.59E-08	4.25E-06	2.37E-06	2.88E-03	1.36E-03	6.56E-03	3.19E-04	8.71E-05	8.32E-03	1.29E-03	1.31E-08	4.25E-06	2.37E-06	1.30E-03
426	488869.6	3857050.76	2.80E-03	1.58E-08	4.71E-06	2.38E-06	2.81E-03	1.32E-03	6.51E-03	3.53E-04	8.72E-05	8.27E-03	1.26E-03	1.30E-08	4.71E-06	2.38E-06	1.26E-03
427	488919.6	3857050.76	2.73E-03	1.56E-08	5.20E-06	2.38E-06	2.74E-03	1.29E-03	6.45E-03	3.90E-04	8.73E-05	8.21E-03	1.23E-03	1.28E-08	5.20E-06	2.38E-06	1.23E-03
428	488819.6	3857100.76	2.77E-03	1.63E-08	5.03E-06	2.39E-06	2.77E-03	1.31E-03	6.70E-03	3.77E-04	8.76E-05	8.47E-03	1.24E-03	1.33E-08	5.03E-06	2.39E-06	1.25E-03
429	488869.6	3857100.76	2.70E-03	1.61E-08	5.59E-06	2.39E-06	2.71E-03	1.27E-03	6.64E-03	4.19E-04	8.77E-05	8.41E-03	1.21E-03	1.32E-08	5.59E-06	2.39E-06	1.22E-03
430	488919.6	3857100.76	2.63E-03	1.60E-08	6.15E-06	2.39E-06	2.64E-03	1.24E-03	6.59E-03	4.61E-04	8.77E-05	8.38E-03	1.18E-03	1.31E-08	6.15E-06	2.39E-06	1.19E-03
431	488819.6	3857150.76	2.65E-03	1.66E-08	6.03E-06	2.41E-06	2.66E-03	1.25E-03	6.84E-03	4.52E-04	8.82E-05	8.63E-03	1.19E-03	1.36E-08	6.03E-06	2.41E-06	1.20E-03
432	488869.6	3857150.76	2.59E-03	1.65E-08	6.68E-06	2.41E-06	2.60E-03	1.22E-03	6.78E-03	5.01E-04	8.83E-05	8.59E-03	1.16E-03	1.35E-08	6.68E-06	2.41E-06	1.17E-03
433	488919.6	3857150.76	2.53E-03	1.63E-08	7.33E-06	2.41E-06	2.54E-03	1.19E-03	6.72E-03	5.49E-04	8.84E-05	8.55E-03	1.13E-03	1.34E-08	7.33E-06	2.41E-06	1.14E-03
434	488969.6	3857150.76	2.47E-03	1.62E-08	7.94E-06	2.41E-06	2.48E-03	1.16E-03	6.66E-03	5.96E-04	8.84E-05	8.51E-03	1.11E-03	1.33E-08	7.94E-06	2.41E-06	1.12E-03
435	488819.6	3857200.76	2.54E-03	1.70E-08	7.30E-06	2.43E-06	2.55E-03	1.20E-03	6.99E-03	5.48E-04	8.90E-05	8.82E-03	1.14E-03	1.39E-08	7.30E-06	2.43E-06	1.15E-03
436	488869.6	3857200.76	2.48E-03	1.68E-08	8.06E-06	2.43E-06	2.49E-03	1.17E-03	6.94E-03	6.05E-04	8.91E-05	8.80E-03	1.11E-03	1.38E-08	8.06E-06	2.43E-06	1.12E-03
437	488919.6	3857200.76	2.42E-03	1.67E-08	8.79E-06	2.43E-06	2.43E-03	1.14E-03	6.87E-03	6.59E-04	8.92E-05	8.76E-03	1.09E-03	1.37E-08	8.79E-06	2.43E-06	1.10E-03
438	488969.6	3857200.76	2.37E-03	1.65E-08	9.49E-06	2.43E-06	2.38E-03	1.12E-03	6.81E-03	7.11E-04	8.93E-05	8.72E-03	1.06E-03	1.36E-08	9.49E-06	2.43E-06	1.07E-03
439	488819.6	3857250.76	2.42E-03	1.73E-08	8.94E-06	2.46E-06	2.43E-03	1.14E-03	7.14E-03	6.70E-04	9.01E-05	9.04E-03	1.08E-03	1.42E-08	8.94E-06	2.46E-06	1.10E-03
440	488869.6	3857250.76	2.36E-03	1.72E-08	9.81E-06	2.46E-06	2.38E-03	1.12E-03	7.08E-03	7.36E-04	9.02E-05	9.02E-03	1.06E-03	1.41E-08	9.81E-06	2.46E-06	1.07E-03
441	488919.6	3857250.76	2.31E-03	1.70E-08	1.07E-05	2.46E-06	2.33E-03	1.09E-03	7.02E-03	7.99E-04	9.02E-05	9.00E-03	1.04E-03	1.40E-08	1.07E-05	2.46E-06	1.05E-03
442	488969.6	3857250.76	2.27E-03	1.69E-08	1.14E-05	2.46E-06	2.28E-03	1.07E-03	6.96E-03	8.59E-04	9.03E-05	8.98E-03	1.02E-03	1.39E-08	1.14E-05	2.46E-06	1.03E-03
443	488819.6	3857300.76	2.30E-03	1.77E-08	1.11E-05	2.49E-06	2.31E-03	1.08E-03	7.31E-03	8.29E-04	9.14E-05	9.31E-03	1.03E-03	1.46E-08	1.11E-05	2.49E-06	1.04E-03
444	488869.6	3857300.76	2.25E-03	1.76E-08	1.21E-05	2.49E-06	2.27E-03	1.06E-03	7.24E-03	9.06E-04	9.14E-05	9.30E-03	1.01E-03	1.44E-08	1.21E-05	2.49E-06	1.02E-03
445	488919.6	3857300.76	2.20E-03	1.74E-08	1.31E-05	2.49E-06	2.22E-03	1.04E-03	7.19E-03	9.79E-04	9.15E-05	9.30E-03	9.89E-04	1.43E-08	1.31E-05	2.49E-06	1.00E-03
446	488819.6	3857450.76	1.95E-03	1.90E-08	2.25E-05	2.64E-06	1.97E-03	9.17E-04	7.84E-03	1.69E-03	9.68E-05	1.05E-02	8.72E-04	1.56E-08	2.25E-05	2.64E-06	8.98E-04
447	488869.6	3857450.76	1.91E-03	1.88E-08	2.41E-05	2.64E-06	1.94E-03	9.03E-04	7.77E-03	1.81E-03	9.67E-05	1.06E-02	8.59E-04	1.55E-08	2.41E-05	2.64E-06	8.86E-04
448	488919.6	3857450.76	1.88E-03	1.87E-08	2.55E-05	2.64E-06	1.91E-03	8.88E-04	7.71E-03	1.91E-03	9.67E-05	1.06E-02	8.44E-04	1.54E-08	2.55E-05	2.64E-06	8.72E-04
449	488819.6	3857500.76	1.83E-03	1.95E-08	2.91E-05	2.70E-06	1.87E-03	8.65E-04	8.02E-03	2.18E-03	9.91E-05	1.12E-02	8.22E-04	1.60E-08	2.91E-05	2.70E-06	8.54E-04
450	488869.6	3857500.76	1.81E-03	1.93E-08	3.08E-05	2.70E-06	1.84E-03	8.52E-04	7.97E-03	2.31E-03	9.91E-05	1.12E-02	8.10E-04	1.59E-08	3.08E-05	2.70E-06	8.43E-04
451	488919.6	3857500.76	1.78E-03	1.92E-08	3.20E-05	2.70E-06	1.81E-03	8.39E-04	7.91E-03	2.40E-03	9.91E-05	1.12E-02	7.98E-04	1.58E-08	3.20E-05	2.70E-06	8.32E-04
452	488819.6	3857550.76	1.73E-03	2.00E-08	3.77E-05	2.78E-06	1.77E-03	8.14E-04	8.24E-03	2.82E-03	1.02E-04	1.20E-02	7.74E-04	1.64E-08	3.77E-05	2.78E-06	8.14E-04
453	488869.6	3857550.76	1.70E-03	1.98E-08	3.90E-05	2.78E-06	1.74E-03	8.03E-04	8.17E-03	2.93E-03	1.02E-04	1.20E-02	7.64E-04	1.63E-08	3.90E-05	2.78E-06	8.05E-04
454	488919.6	3857550.76	1.68E-03	1.97E-08	3.99E-05	2.78E-06	1.72E-03	7.92E-04	8.12E-03	2.99E-03	1.02E-04	1.20E-02	7.53E-04	1.62E-08	3.99E-05	2.78E-06	7.95E-04
455	489663.71	3860900.05	1.60E-04	2.30E-08	6.03E-07	1.64E-06	1.63E-04	7.56E-05	9.48E-03	4.52E-05	6.03E-05	9.66E-03	7.19E-05	1.89E-08	6.03E-07	1.64E-06	7.41E-05
456	489813.71	3860900.05	1.61E-04	2.24E-08	6.74E-07	1.60E-06	1.63E-04	7.60E-05	9.23E-03	5.05E-05	5.88E-05	9.42E-03	7.23E-05	1.84E-08	6.74E-07	1.60E-06	7.46E-05
457	489863.71	3860900.05	1.61E-04	2.21E-08	6.96E-07	1.59E-06	1.63E-04	7.60E-05	9.12E-03	5.22E-05	5.83E-05	9.31E-03	7.23E-05	1.82E-08	6.96E-07	1.59E-06	7.46E-05
458	489913.71	3860900.05	1.62E-04	2.20E-08	7.18E-07	1.58E-06	1.64E-04	7.62E-05	9.05E-03	5.38E-05	5.80E-05	9.24E-03	7.25E-05	1.80E-08	7.18E-07	1.58E-06	7.48E-05
459	489963.71	3860900.05	1.62E-04	2.17E-08	7.37E-07	1.57E-06	1.64E-04	7.62E-05	8.94E-03	5.52E-05	5.76E-05	9.13E-03	7.24E-05	1.78E-08	7.37E-07	1.57E-06	7.48E-05
460	490013.71	3860900.05	1.62E-04	2.15E-08	7.54E-07	1.56E-06	1.64E-04	7.64E-05	8.86E-03	5.66E-05	5.74E-05	9.06E-03	7.26E-05	1.77E-08	7.54E-07	1.56E-06	7.50E-05
461	490063.71	3860900.05	1.62E-04	2.13E-08	7.70E-07	1.56E-06	1.65E-04	7.65E-05	8.77E-03	5.77E-05	5.71E-05	8.96E-03	7.27E-05	1.75E-08	7.70E-07	1.56E-06	7.51E-05
462	489663.71	3860950.05	1.57E-04	2.09E-08	5.83E-07	1.50E-06	1.59E-04	7.41E-05	8.62E-03	4.37E-05	5.52E-05	8.79E-03	7.05E-05	1.72E-08	5.83E-07	1.50E-06	7.26E-05
463	489813.71	3860950.05	1.58E-04	2.05E-08	6.51E-07	1.48E-06	1.60E-04	7.46E-05	8.45E-03	4.88E-05	5.41E-05	8.62E-03	7.09E-05	1.68E-08	6.51E-07	1.48E-06	7.31E-05
464	489863.71	3860950.05	1.58E-04	2.03E-08	6.73E-07	1.46E-06	1.60E-04	7.46E-05	8.37E-03	5.05E-05	5.36E-05	8.54E-03	7.09E-05	1.67E-08	6.73E-07	1.46E-06	7.30E-05
465	489913.71	3860950.05	1.58E-04	2.02E-08	6.95E-07	1.46E-06	1.61E-04	7.47E-05	8.31E-03	5.21E-05	5.34E-05	8.49E-03	7.10E-05	1.66E-08	6.95E-07	1.46E-06	7.32E-05
466	489963.71	3860950.05	1.59E-04	2.00E-08	7.14E-07	1.45E-06	1.61E-04	7.48E-05	8.24E-03	5.36E-05	5.31E-05	8.42E-03	7.11E-05	1.64E-08	7.14E-07	1.45E-06	7.33E-05
467	490013.71	3860950.05	1.59E-04	1.98E-08	7.33E-07	1.44E-06	1.61E-04	7.49E-05	8.17E-03	5.50E-05	5.29E-05	8.36E-03	7.12E-05	1.63E-08	7.33E-07	1.44E-06	7.34E-05
468	490063.71	3860950.05	1.59E-04	1.97E-08	7.49E-07	1.44E-06	1.61E-04	7.50E-05	8.11E-03	5.62E-05	5.27E-05	8.29E-03	7.13E-05	1.62E-08	7.49E-07	1.44E-06	7.35E-05
469	489513.71	3861000.05	1.53E-04	1.94E-08	5.10E-07	1.39E-06	1.55E-04	7.24E-05	8.00E-03	3.83E-05	5.11E-05	8.16E-03	6.88E-05	1.59E-08	5.10E-07	1.39E-06	7.07E-05
470	489563.71	3861000.05	1.54E-04	1.93E-08	5.26E-07	1.39E-06	1.56E-04	7.24E-05	7.96E-03	3.95E-05	5.09E-05	8.12E-03	6.89E-05	1.59E-08	5.26E-07	1.39E-06	7.08E-05
471	489613.71	3861000.05	1.54E-04	1.92E-08	5.44E-07	1.39E-06	1.56E-04	7.26E-05	7.93E-03	4.08E-05	5.08E-05	8.09E-03	6.91E-05	1.58E-08	5.44E-07	1.39E-06	7.10E-05
472	489663.71	3861000.05	1.54E-04	1.91E-08	5.64E-07	1.38E-06	1.56E-04	7.28E-05	7.89E-03	4.23E-05	5.06E-05	8.05E-03	6.92E-05	1.57E-08	5.64E-07	1.38E-06	7.12E-05
473	489713.71	3861000.05	1.54E-04	1.90E-08	5.84E-07	1.38E-06	1.56E-04	7.28E-05	7.84E-03	4.38E-05	5.05E-05	8.00E-03	6.93E-05	1.56E-08	5.84E-07	1.38E-06	7.12E-05
474	489763.71	3861000.05	1.55E-04	1.89E-08	6.06E-07	1.37E-06	1.57E-04	7.30E-05	7.79E-03	4.55E-05	5.02E-05	7.96E-03	6.94E-05	1.55E-08	6.06E-07	1.37E-06	7.14E-05
475	489813.71	3861000.05	1.55E-04	1.88E-08	6.29E-07	1.36E-06	1.57E-04	7.32E-05	7.76E-03	4.72E-05	5.00E-05	7.93E-03	6.96E-05	1.55E-08	6.29E-07	1.36E-06	7.16E-05
476	489863.71	3861000.05	1.55E-04	1.87E-08	6.51E-07	1.36E-06	1.57E-04	7.32E-05	7.70E-03	4.88E-05	4.97E-05	7.87E-03	6.96E-05	1.53E-08	6.51E-07	1.36E-06	7.16E-05
477	489913.71	3861000.05	1.56E-04	1.86E-08	6.74E-07	1.35E-06	1.58E-04	7.34E-05	7.66E-03	5.05E-05	4.95E-05	7.84E-03	6.98E-05	1.53E-08	6.74E-07	1.35E-06	7.18E-05
478	489963.71	3861000.05	1.56E-04	1.85E-08	6.93E-07	1.34E-06	1.58E-04	7.34E-05	7.60E-03	5.20E-05	4.92E-05	7.78E-03	6.98E-05	1.51E-08	6.93E-07	1.34E-06	7.18E-05
479	490013.71	3861000.05	1.56E-04	1.83E-08	7.13E-07	1.34E-06	1.58E-04	7.35E-05	7.56E-03	5.35E-05	4.90E-05	7.73E-03	6.98E-05	1.51E-08	7.13E-07	1.34E-06	7.19E-05
480	490063.71	3861000.05	1.56E-04	1.82E-08	7.30E-07	1.33E-06	1.58E-04	7.35E-05	7.51E-03	5.47E-05	4.88E-05	7.68E-03	6.99E-05	1.50E-08	7.30E-07	1.33E-06	7.20E-05
481	489513.71	3861050.05	1.51E-04	1.78E-08	4.96E-07	1.29E-06	1.53E-04	7.11E-05	7.34E-03	3.72E-05	4.71E-05	7.50E-03	6.76E-05	1.46E-08	4.96E-07	1.29E-06	6.94E-05
482	489563.71	3861050.05	1.51E-04	1.77E-08	5.11E-07	1.28E-06	1.53E-04	7.12E-05	7.31E-03	3.83E-05	4.70E-05	7.47E-03	6.77E-05	1.46E-08	5.11E-07	1.28E-06	6.95E-05
483	489613.71	3861050.05	1.51E-04	1.77E-08	5.28E-07	1.28E-06	1.53E-04	7.14E-05	7.30E-03	3.96E-05	4.69E-05	7.46E-03	6.79E-05	1.45E-08	5.28E-07	1.28E-06	6.97E-05
484	489663.71	3861050.05	1.51E-04	1.76E-08	5.46E-07	1.27E-06	1.53E-04	7.14E-05	7.26E-03	4.10E-05	4.67E-05	7.42E-03	6.79E-05	1.45E-08	5.46E-07	1.27E-06	6.98E-05

485	489713.71	3861050.05	1.52E-04	1.75E-08	5.65E-07	1.27E-06	1.53E-04	7.15E-05	7.21E-03	4.24E-05	4.66E-05	7.38E-03	6.80E-05	1.44E-08	5.65E-07	1.27E-06	6.98E-05
486	489763.71	3861050.05	1.52E-04	1.74E-08	5.86E-07	1.27E-06	1.54E-04	7.16E-05	7.18E-03	4.39E-05	4.65E-05	7.35E-03	6.81E-05	1.43E-08	5.86E-07	1.27E-06	7.00E-05
487	489813.71	3861050.05	1.52E-04	1.74E-08	6.08E-07	1.27E-06	1.54E-04	7.18E-05	7.15E-03	4.56E-05	4.64E-05	7.32E-03	6.83E-05	1.43E-08	6.08E-07	1.27E-06	7.02E-05
488	489863.71	3861050.05	1.52E-04	1.73E-08	6.30E-07	1.26E-06	1.54E-04	7.19E-05	7.11E-03	4.73E-05	4.62E-05	7.28E-03	6.84E-05	1.42E-08	6.30E-07	1.26E-06	7.03E-05
489	489913.71	3861050.05	1.53E-04	1.72E-08	6.51E-07	1.25E-06	1.55E-04	7.20E-05	7.08E-03	4.89E-05	4.60E-05	7.24E-03	6.84E-05	1.41E-08	6.51E-07	1.25E-06	7.04E-05
490	489963.71	3861050.05	1.53E-04	1.71E-08	6.72E-07	1.25E-06	1.55E-04	7.20E-05	7.04E-03	5.04E-05	4.58E-05	7.21E-03	6.85E-05	1.40E-08	6.72E-07	1.25E-06	7.04E-05
491	490013.71	3861050.05	1.53E-04	1.70E-08	6.92E-07	1.25E-06	1.55E-04	7.22E-05	7.01E-03	5.19E-05	4.57E-05	7.18E-03	6.86E-05	1.40E-08	6.92E-07	1.25E-06	7.06E-05
492	490063.71	3861050.05	1.53E-04	1.69E-08	7.10E-07	1.24E-06	1.55E-04	7.22E-05	6.97E-03	5.33E-05	4.55E-05	7.14E-03	6.87E-05	1.39E-08	7.10E-07	1.24E-06	7.06E-05
493	489513.71	3861100.05	1.48E-04	1.65E-08	4.83E-07	1.20E-06	1.50E-04	7.00E-05	6.79E-03	3.62E-05	4.40E-05	6.94E-03	6.66E-05	1.35E-08	4.83E-07	1.20E-06	6.83E-05
494	489563.71	3861100.05	1.48E-04	1.64E-08	4.96E-07	1.19E-06	1.50E-04	6.99E-05	6.75E-03	3.72E-05	4.37E-05	6.90E-03	6.65E-05	1.34E-08	4.96E-07	1.19E-06	6.82E-05
495	489613.71	3861100.05	1.48E-04	1.63E-08	5.10E-07	1.18E-06	1.50E-04	6.98E-05	6.70E-03	3.83E-05	4.34E-05	6.85E-03	6.64E-05	1.34E-08	5.10E-07	1.18E-06	6.81E-05
496	489663.71	3861100.05	1.48E-04	1.62E-08	5.28E-07	1.18E-06	1.50E-04	7.00E-05	6.68E-03	3.96E-05	4.33E-05	6.84E-03	6.65E-05	1.33E-08	5.28E-07	1.18E-06	6.82E-05
497	489713.71	3861100.05	1.49E-04	1.62E-08	5.46E-07	1.18E-06	1.50E-04	7.01E-05	6.66E-03	4.10E-05	4.32E-05	6.82E-03	6.67E-05	1.33E-08	5.46E-07	1.18E-06	6.84E-05
498	489763.71	3861100.05	1.49E-04	1.61E-08	5.66E-07	1.18E-06	1.51E-04	7.02E-05	6.64E-03	4.25E-05	4.32E-05	6.80E-03	6.68E-05	1.32E-08	5.66E-07	1.18E-06	6.85E-05
499	489813.71	3861100.05	1.49E-04	1.61E-08	5.88E-07	1.18E-06	1.51E-04	7.04E-05	6.62E-03	4.41E-05	4.32E-05	6.78E-03	6.70E-05	1.32E-08	5.88E-07	1.18E-06	6.87E-05
500	489863.71	3861100.05	1.50E-04	1.60E-08	6.10E-07	1.18E-06	1.52E-04	7.06E-05	6.61E-03	4.57E-05	4.31E-05	6.76E-03	6.72E-05	1.32E-08	6.10E-07	1.18E-06	6.90E-05
501	489913.71	3861100.05	1.50E-04	1.59E-08	6.30E-07	1.17E-06	1.52E-04	7.06E-05	6.57E-03	4.73E-05	4.29E-05	6.73E-03	6.72E-05	1.31E-08	6.30E-07	1.17E-06	6.90E-05
502	489963.71	3861100.05	1.50E-04	1.59E-08	6.51E-07	1.17E-06	1.52E-04	7.07E-05	6.54E-03	4.89E-05	4.28E-05	6.70E-03	6.73E-05	1.30E-08	6.51E-07	1.17E-06	6.91E-05
503	490013.71	3861100.05	1.50E-04	1.58E-08	6.71E-07	1.16E-06	1.52E-04	7.07E-05	6.50E-03	5.03E-05	4.26E-05	6.67E-03	6.73E-05	1.30E-08	6.71E-07	1.16E-06	6.91E-05
504	490063.71	3861100.05	1.50E-04	1.57E-08	6.90E-07	1.16E-06	1.52E-04	7.08E-05	6.48E-03	5.17E-05	4.25E-05	6.64E-03	6.73E-05	1.29E-08	6.90E-07	1.16E-06	6.92E-05
505	489713.71	3861150.05	1.46E-04	1.50E-08	5.29E-07	1.10E-06	1.47E-04	6.88E-05	6.19E-03	3.97E-05	4.04E-05	6.33E-03	6.54E-05	1.23E-08	5.29E-07	1.10E-06	6.70E-05
506	489763.71	3861150.05	1.46E-04	1.50E-08	5.48E-07	1.10E-06	1.48E-04	6.89E-05	6.17E-03	4.11E-05	4.04E-05	6.32E-03	6.55E-05	1.23E-08	5.48E-07	1.10E-06	6.72E-05
507	489813.71	3861150.05	1.47E-04	1.49E-08	5.68E-07	1.10E-06	1.48E-04	6.91E-05	6.16E-03	4.26E-05	4.03E-05	6.31E-03	6.57E-05	1.23E-08	5.68E-07	1.10E-06	6.74E-05
508	489863.71	3861150.05	1.47E-04	1.49E-08	5.89E-07	1.10E-06	1.48E-04	6.92E-05	6.14E-03	4.41E-05	4.03E-05	6.29E-03	6.58E-05	1.22E-08	5.89E-07	1.10E-06	6.75E-05
509	489913.71	3861150.05	1.47E-04	1.48E-08	6.10E-07	1.10E-06	1.49E-04	6.93E-05	6.11E-03	4.57E-05	4.02E-05	6.27E-03	6.59E-05	1.22E-08	6.10E-07	1.10E-06	6.76E-05
510	489963.71	3861150.05	1.47E-04	1.48E-08	6.30E-07	1.09E-06	1.49E-04	6.94E-05	6.08E-03	4.73E-05	4.01E-05	6.24E-03	6.60E-05	1.21E-08	6.30E-07	1.09E-06	6.77E-05
511	490013.71	3861150.05	1.47E-04	1.47E-08	6.50E-07	1.09E-06	1.49E-04	6.94E-05	6.06E-03	4.87E-05	3.99E-05	6.21E-03	6.60E-05	1.21E-08	6.50E-07	1.09E-06	6.78E-05
512	490063.71	3861150.05	1.47E-04	1.47E-08	6.69E-07	1.09E-06	1.49E-04	6.95E-05	6.04E-03	5.02E-05	3.98E-05	6.20E-03	6.61E-05	1.20E-08	6.69E-07	1.09E-06	6.79E-05
513	489613.71	3861200.05	1.42E-04	1.40E-08	4.81E-07	1.04E-06	1.44E-04	6.72E-05	5.77E-03	3.60E-05	3.82E-05	5.91E-03	6.39E-05	1.15E-08	4.81E-07	1.04E-06	6.54E-05
514	489663.71	3861200.05	1.43E-04	1.40E-08	4.96E-07	1.04E-06	1.44E-04	6.73E-05	5.77E-03	3.72E-05	3.81E-05	5.91E-03	6.40E-05	1.15E-08	4.96E-07	1.04E-06	6.56E-05
515	489713.71	3861200.05	1.43E-04	1.40E-08	5.13E-07	1.04E-06	1.45E-04	6.75E-05	5.77E-03	3.85E-05	3.80E-05	5.91E-03	6.42E-05	1.15E-08	5.13E-07	1.04E-06	6.57E-05
516	489763.71	3861200.05	1.43E-04	1.40E-08	5.31E-07	1.03E-06	1.45E-04	6.76E-05	5.76E-03	3.98E-05	3.79E-05	5.90E-03	6.43E-05	1.15E-08	5.31E-07	1.03E-06	6.59E-05
517	489813.71	3861200.05	1.44E-04	1.39E-08	5.49E-07	1.03E-06	1.45E-04	6.78E-05	5.75E-03	4.12E-05	3.79E-05	5.89E-03	6.45E-05	1.14E-08	5.49E-07	1.03E-06	6.61E-05
518	489863.71	3861200.05	1.44E-04	1.39E-08	5.70E-07	1.03E-06	1.46E-04	6.80E-05	5.74E-03	4.27E-05	3.79E-05	5.89E-03	6.47E-05	1.14E-08	5.70E-07	1.03E-06	6.63E-05
519	489913.71	3861200.05	1.44E-04	1.39E-08	5.90E-07	1.03E-06	1.46E-04	6.81E-05	5.72E-03	4.43E-05	3.78E-05	5.87E-03	6.48E-05	1.14E-08	5.90E-07	1.03E-06	6.64E-05
520	489963.71	3861200.05	1.44E-04	1.38E-08	6.11E-07	1.03E-06	1.46E-04	6.81E-05	5.69E-03	4.58E-05	3.77E-05	5.84E-03	6.48E-05	1.13E-08	6.11E-07	1.03E-06	6.64E-05
521	490013.71	3861200.05	1.45E-04	1.38E-08	6.30E-07	1.03E-06	1.46E-04	6.82E-05	5.67E-03	4.73E-05	3.76E-05	5.82E-03	6.49E-05	1.13E-08	6.30E-07	1.03E-06	6.65E-05
522	490063.71	3861200.05	1.45E-04	1.37E-08	6.50E-07	1.02E-06	1.46E-04	6.83E-05	5.65E-03	4.87E-05	3.75E-05	5.80E-03	6.49E-05	1.13E-08	6.50E-07	1.02E-06	6.66E-05
523	489513.71	3861250.05	1.39E-04	1.31E-08	4.44E-07	9.85E-07	1.41E-04	6.57E-05	5.38E-03	3.33E-05	3.61E-05	5.52E-03	6.25E-05	1.07E-08	4.44E-07	9.85E-07	6.39E-05
524	489563.71	3861250.05	1.40E-04	1.31E-08	4.55E-07	9.87E-07	1.41E-04	6.59E-05	5.40E-03	3.41E-05	3.62E-05	5.53E-03	6.26E-05	1.07E-08	4.55E-07	9.87E-07	6.41E-05
525	489613.71	3861250.05	1.40E-04	1.31E-08	4.68E-07	9.86E-07	1.41E-04	6.60E-05	5.40E-03	3.51E-05	3.62E-05	5.54E-03	6.28E-05	1.08E-08	4.68E-07	9.86E-07	6.42E-05
526	489663.71	3861250.05	1.40E-04	1.31E-08	4.81E-07	9.83E-07	1.42E-04	6.61E-05	5.40E-03	3.61E-05	3.61E-05	5.53E-03	6.29E-05	1.07E-08	4.81E-07	9.83E-07	6.44E-05
527	489713.71	3861250.05	1.40E-04	1.31E-08	4.97E-07	9.81E-07	1.42E-04	6.63E-05	5.39E-03	3.73E-05	3.60E-05	5.53E-03	6.30E-05	1.07E-08	4.97E-07	9.81E-07	6.45E-05
528	489763.71	3861250.05	1.41E-04	1.31E-08	5.14E-07	9.78E-07	1.42E-04	6.64E-05	5.39E-03	3.85E-05	3.59E-05	5.53E-03	6.32E-05	1.07E-08	5.14E-07	9.78E-07	6.47E-05
529	489813.71	3861250.05	1.41E-04	1.31E-08	5.32E-07	9.76E-07	1.43E-04	6.66E-05	5.38E-03	3.99E-05	3.58E-05	5.52E-03	6.33E-05	1.07E-08	5.32E-07	9.76E-07	6.48E-05
530	489863.71	3861250.05	1.41E-04	1.30E-08	5.51E-07	9.75E-07	1.43E-04	6.67E-05	5.37E-03	4.13E-05	3.57E-05	5.52E-03	6.34E-05	1.07E-08	5.51E-07	9.75E-07	6.50E-05
531	489913.71	3861250.05	1.42E-04	1.30E-08	5.72E-07	9.74E-07	1.43E-04	6.69E-05	5.36E-03	4.29E-05	3.57E-05	5.51E-03	6.36E-05	1.07E-08	5.72E-07	9.74E-07	6.52E-05
532	489963.71	3861250.05	1.42E-04	1.30E-08	5.91E-07	9.73E-07	1.44E-04	6.70E-05	5.35E-03	4.43E-05	3.57E-05	5.49E-03	6.37E-05	1.06E-08	5.91E-07	9.73E-07	6.53E-05
533	490013.71	3861250.05	1.42E-04	1.29E-08	6.11E-07	9.71E-07	1.44E-04	6.71E-05	5.33E-03	4.59E-05	3.56E-05	5.48E-03	6.38E-05	1.06E-08	6.11E-07	9.71E-07	6.54E-05
534	490063.71	3861250.05	1.42E-04	1.29E-08	6.30E-07	9.68E-07	1.44E-04	6.71E-05	5.30E-03	4.73E-05	3.55E-05	5.45E-03	6.38E-05	1.06E-08	6.30E-07	9.68E-07	6.54E-05
535	489528.13	3861308.47	1.36E-04	1.21E-08	4.34E-07	9.25E-07	1.38E-04	6.44E-05	4.99E-03	3.25E-05	3.39E-05	5.12E-03	6.12E-05	9.94E-09	4.34E-07	9.25E-07	6.26E-05
536	489578.13	3861308.47	1.37E-04	1.21E-08	4.45E-07	9.27E-07	1.38E-04	6.45E-05	5.00E-03	3.34E-05	3.40E-05	5.13E-03	6.13E-05	9.96E-09	4.45E-07	9.27E-07	6.27E-05
537	489628.13	3861308.47	1.37E-04	1.21E-08	4.57E-07	9.27E-07	1.38E-04	6.46E-05	5.01E-03	3.43E-05	3.40E-05	5.14E-03	6.15E-05	9.97E-09	4.57E-07	9.27E-07	6.29E-05
538	489678.13	3861308.47	1.37E-04	1.22E-08	4.69E-07	9.27E-07	1.39E-04	6.48E-05	5.01E-03	3.52E-05	3.40E-05	5.14E-03	6.16E-05	9.98E-09	4.69E-07	9.27E-07	6.30E-05
539	489728.13	3861308.47	1.38E-04	1.22E-08	4.85E-07	9.24E-07	1.39E-04	6.49E-05	5.01E-03	3.64E-05	3.39E-05	5.15E-03	6.17E-05	9.98E-09	4.85E-07	9.24E-07	6.31E-05
540	489778.13	3861308.47	1.38E-04	1.22E-08	5.00E-07	9.21E-07	1.39E-04	6.50E-05	5.01E-03	3.75E-05	3.38E-05	5.14E-03	6.18E-05	9.97E-09	5.00E-07	9.21E-07	6.33E-05
541	489678.13	3861358.47	1.35E-04	1.14E-08	4.57E-07	8.83E-07	1.36E-04	6.36E-05	4.72E-03	3.43E-05	3.24E-05	4.85E-03	6.05E-05	9.39E-09	4.57E-07	8.83E-07	6.18E-05
542	489728.13	3861358.47	1.35E-04	1.15E-08	4.70E-07	8.82E-07	1.36E-04	6.37E-05	4.72E-03	3.53E-05	3.23E-05	4.85E-03	6.06E-05	9.40E-09	4.70E-07	8.82E-07	6.20E-05
543	489528.13	3861408.47	1.32E-04	1.07E-08	4.14E-07	8.39E-07	1.33E-04	6.21E-05	4.43E-03	3.11E-05	3.08E-05	4.55E-03	5.91E-05	8.82E-09	4.14E-07	8.39E-07	6.03E-05
544	489578.13	3861408.47	1.32E-04	1.08E-08	4.23E-07	8.41E-07	1.33E-04	6.22E-05	4.44E-03	3.17E-05	3.08E-05	4.56E-03	5.92E-05	8.83E-09	4.23E-07	8.41E-07	6.05E-05
545	489628.13	3861408.47	1.32E-04	1.08E-08	4.34E-07	8.44E-07	1.34E-04	6.25E-05	4.45E-03	3.25E-05	3.09E-05	4.58E-03	5.94E-05	8.87E-09	4.34E-07	8.44E-07	6.07E-05

546	489678.13	3861408.47	1.33E-04	1.08E-08	4.45E-07	8.45E-07	1.34E-04	6.25E-05	4.45E-03	3.34E-05	3.10E-05	4.58E-03	5.95E-05	8.87E-09	4.45E-07	8.45E-07	6.08E-05
547	489728.13	3861408.47	1.33E-04	1.08E-08	4.58E-07	8.43E-07	1.34E-04	6.26E-05	4.45E-03	3.43E-05	3.09E-05	4.58E-03	5.95E-05	8.87E-09	4.58E-07	8.43E-07	6.08E-05
548	489528.13	3861458.47	1.30E-04	1.02E-08	4.06E-07	8.03E-07	1.31E-04	6.11E-05	4.19E-03	3.04E-05	2.95E-05	4.31E-03	5.81E-05	8.35E-09	4.06E-07	8.03E-07	5.93E-05
549	489578.13	3861458.47	1.30E-04	1.02E-08	4.13E-07	8.06E-07	1.31E-04	6.12E-05	4.20E-03	3.10E-05	2.96E-05	4.32E-03	5.82E-05	8.37E-09	4.13E-07	8.06E-07	5.95E-05
550	489628.13	3861458.47	1.30E-04	1.02E-08	4.23E-07	8.09E-07	1.31E-04	6.13E-05	4.21E-03	3.17E-05	2.96E-05	4.33E-03	5.83E-05	8.38E-09	4.23E-07	8.09E-07	5.96E-05
551	489678.13	3861458.47	1.30E-04	1.02E-08	4.33E-07	8.09E-07	1.31E-04	6.14E-05	4.21E-03	3.25E-05	2.96E-05	4.34E-03	5.84E-05	8.39E-09	4.33E-07	8.09E-07	5.97E-05
552	489728.13	3861458.47	1.30E-04	1.02E-08	4.45E-07	8.08E-07	1.31E-04	6.14E-05	4.21E-03	3.34E-05	2.96E-05	4.34E-03	5.84E-05	8.39E-09	4.45E-07	8.08E-07	5.97E-05
553	489528.13	3861508.47	1.27E-04	9.65E-09	3.97E-07	7.71E-07	1.29E-04	6.01E-05	3.98E-03	2.98E-05	2.83E-05	4.10E-03	5.72E-05	7.92E-09	3.97E-07	7.71E-07	5.83E-05
554	489578.13	3861508.47	1.28E-04	9.67E-09	4.04E-07	7.73E-07	1.29E-04	6.02E-05	3.98E-03	3.03E-05	2.84E-05	4.10E-03	5.72E-05	7.93E-09	4.04E-07	7.73E-07	5.84E-05
555	489628.13	3861508.47	1.28E-04	9.68E-09	4.12E-07	7.76E-07	1.29E-04	6.03E-05	3.99E-03	3.09E-05	2.84E-05	4.11E-03	5.73E-05	7.94E-09	4.12E-07	7.76E-07	5.85E-05
556	489678.13	3861508.47	1.28E-04	9.69E-09	4.22E-07	7.77E-07	1.29E-04	6.03E-05	3.99E-03	3.16E-05	2.85E-05	4.11E-03	5.74E-05	7.95E-09	4.22E-07	7.77E-07	5.86E-05
557	489728.13	3861508.47	1.28E-04	9.69E-09	4.33E-07	7.77E-07	1.29E-04	6.04E-05	3.99E-03	3.25E-05	2.85E-05	4.11E-03	5.74E-05	7.95E-09	4.33E-07	7.77E-07	5.86E-05
558	489628.13	3861558.47	1.26E-04	9.21E-09	4.03E-07	7.47E-07	1.27E-04	5.93E-05	3.80E-03	3.02E-05	2.74E-05	3.91E-03	5.64E-05	7.56E-09	4.03E-07	7.47E-07	5.76E-05
559	489678.13	3861558.47	1.26E-04	9.24E-09	4.12E-07	7.49E-07	1.27E-04	5.94E-05	3.81E-03	3.09E-05	2.75E-05	3.92E-03	5.65E-05	7.58E-09	4.12E-07	7.49E-07	5.77E-05
560	489728.13	3861558.47	1.26E-04	9.24E-09	4.23E-07	7.50E-07	1.27E-04	5.95E-05	3.81E-03	3.17E-05	2.75E-05	3.93E-03	5.66E-05	7.59E-09	4.23E-07	7.50E-07	5.77E-05
561	489357.08	3861015.81	1.52E-04	1.90E-08	4.66E-07	1.37E-06	1.54E-04	7.17E-05	7.85E-03	3.50E-05	5.03E-05	8.00E-03	6.81E-05	1.56E-08	4.66E-07	1.37E-06	7.00E-05
562	489407.08	3861015.81	1.52E-04	1.90E-08	4.76E-07	1.37E-06	1.54E-04	7.17E-05	7.81E-03	3.57E-05	5.01E-05	7.97E-03	6.81E-05	1.56E-08	4.76E-07	1.37E-06	7.00E-05
563	489457.08	3861015.81	1.52E-04	1.89E-08	4.89E-07	1.36E-06	1.54E-04	7.17E-05	7.79E-03	3.67E-05	4.99E-05	7.95E-03	6.82E-05	1.55E-08	4.89E-07	1.36E-06	7.01E-05
564	489357.08	3861065.81	1.49E-04	1.74E-08	4.55E-07	1.26E-06	1.51E-04	7.04E-05	7.18E-03	3.41E-05	4.63E-05	7.33E-03	6.69E-05	1.43E-08	4.55E-07	1.26E-06	6.87E-05
565	489407.08	3861065.81	1.49E-04	1.74E-08	4.64E-07	1.26E-06	1.51E-04	7.04E-05	7.16E-03	3.48E-05	4.63E-05	7.31E-03	6.69E-05	1.43E-08	4.64E-07	1.26E-06	6.87E-05
566	489457.08	3861065.81	1.49E-04	1.73E-08	4.76E-07	1.26E-06	1.51E-04	7.05E-05	7.15E-03	3.57E-05	4.61E-05	7.30E-03	6.70E-05	1.42E-08	4.76E-07	1.26E-06	6.87E-05
567	489357.08	3861115.81	1.47E-04	1.60E-08	4.45E-07	1.17E-06	1.48E-04	6.91E-05	6.61E-03	3.34E-05	4.29E-05	6.76E-03	6.57E-05	1.32E-08	4.45E-07	1.17E-06	6.73E-05
568	489407.08	3861115.81	1.47E-04	1.60E-08	4.54E-07	1.17E-06	1.48E-04	6.92E-05	6.61E-03	3.41E-05	4.30E-05	6.75E-03	6.58E-05	1.32E-08	4.54E-07	1.17E-06	6.75E-05
569	489457.08	3861115.81	1.47E-04	1.60E-08	4.64E-07	1.17E-06	1.49E-04	6.93E-05	6.60E-03	3.48E-05	4.30E-05	6.75E-03	6.59E-05	1.32E-08	4.64E-07	1.17E-06	6.76E-05
570	489407.08	3861165.81	1.44E-04	1.49E-08	4.44E-07	1.10E-06	1.46E-04	6.81E-05	6.13E-03	3.33E-05	4.02E-05	6.27E-03	6.47E-05	1.22E-08	4.44E-07	1.10E-06	6.63E-05
571	489457.08	3861165.81	1.44E-04	1.48E-08	4.52E-07	1.10E-06	1.46E-04	6.81E-05	6.12E-03	3.39E-05	4.02E-05	6.26E-03	6.47E-05	1.22E-08	4.52E-07	1.10E-06	6.63E-05
572	489407.08	3861215.81	1.41E-04	1.38E-08	4.32E-07	1.02E-06	1.43E-04	6.66E-05	5.67E-03	3.24E-05	3.75E-05	5.80E-03	6.33E-05	1.13E-08	4.32E-07	1.02E-06	6.48E-05
573	489457.08	3861215.81	1.41E-04	1.37E-08	4.41E-07	1.03E-06	1.43E-04	6.66E-05	5.66E-03	3.30E-05	3.76E-05	5.80E-03	6.34E-05	1.13E-08	4.41E-07	1.03E-06	6.48E-05
574	489407.08	3861265.81	1.38E-04	1.28E-08	4.22E-07	9.60E-07	1.39E-04	6.51E-05	5.26E-03	3.16E-05	3.52E-05	5.39E-03	6.19E-05	1.05E-08	4.22E-07	9.60E-07	6.33E-05
575	489457.08	3861265.81	1.38E-04	1.28E-08	4.29E-07	9.64E-07	1.40E-04	6.52E-05	5.27E-03	3.22E-05	3.54E-05	5.40E-03	6.20E-05	1.05E-08	4.29E-07	9.64E-07	6.34E-05
576	489309.86	3861110.14	1.47E-04	1.62E-08	4.39E-07	1.17E-06	1.48E-04	6.91E-05	6.66E-03	3.29E-05	4.30E-05	6.81E-03	6.57E-05	1.33E-08	4.39E-07	1.17E-06	6.73E-05
577	489407.08	3861315.81	1.36E-04	1.20E-08	4.13E-07	9.09E-07	1.37E-04	6.39E-05	4.93E-03	3.10E-05	3.33E-05	5.06E-03	6.08E-05	9.81E-09	4.13E-07	9.09E-07	6.21E-05
578	489457.08	3861315.81	1.36E-04	1.20E-08	4.20E-07	9.14E-07	1.37E-04	6.41E-05	4.94E-03	3.15E-05	3.35E-05	5.07E-03	6.09E-05	9.84E-09	4.20E-07	9.14E-07	6.23E-05
579	488906.03	3861006.75	1.51E-04	1.96E-08	4.56E-07	1.34E-06	1.52E-04	7.10E-05	8.07E-03	3.42E-05	4.91E-05	8.22E-03	6.75E-05	1.61E-08	4.56E-07	1.34E-06	6.93E-05
580	488956.03	3861006.75	1.52E-04	1.97E-08	4.52E-07	1.35E-06	1.53E-04	7.15E-05	8.11E-03	3.39E-05	4.93E-05	8.26E-03	6.80E-05	1.62E-08	4.52E-07	1.35E-06	6.98E-05
581	488904.24	3861051.87	1.50E-04	1.80E-08	4.58E-07	1.25E-06	1.52E-04	7.08E-05	7.43E-03	3.44E-05	4.60E-05	7.59E-03	6.73E-05	1.48E-08	4.58E-07	1.25E-06	6.90E-05
582	488954.24	3861051.87	1.50E-04	1.81E-08	4.49E-07	1.25E-06	1.51E-04	7.06E-05	7.45E-03	3.37E-05	4.60E-05	7.60E-03	6.71E-05	1.48E-08	4.49E-07	1.25E-06	6.88E-05
583	489004.24	3861051.87	1.51E-04	1.81E-08	4.46E-07	1.26E-06	1.53E-04	7.11E-05	7.47E-03	3.35E-05	4.61E-05	7.62E-03	6.76E-05	1.49E-08	4.46E-07	1.26E-06	6.94E-05
584	488804.24	3861101.87	1.45E-04	1.64E-08	4.64E-07	1.21E-06	1.47E-04	6.83E-05	6.74E-03	3.48E-05	4.43E-05	6.89E-03	6.50E-05	1.34E-08	4.64E-07	1.21E-06	6.67E-05
585	488854.24	3861101.87	1.46E-04	1.64E-08	4.58E-07	1.19E-06	1.48E-04	6.88E-05	6.77E-03	3.43E-05	4.36E-05	6.92E-03	6.54E-05	1.35E-08	4.58E-07	1.19E-06	6.71E-05
586	488904.24	3861101.87	1.45E-04	1.63E-08	4.46E-07	1.16E-06	1.46E-04	6.83E-05	6.72E-03	3.35E-05	4.25E-05	6.87E-03	6.49E-05	1.34E-08	4.46E-07	1.16E-06	6.66E-05
587	488954.24	3861101.87	1.45E-04	1.63E-08	4.40E-07	1.15E-06	1.46E-04	6.83E-05	6.71E-03	3.30E-05	4.21E-05	6.85E-03	6.50E-05	1.34E-08	4.40E-07	1.15E-06	6.66E-05
588	489004.24	3861101.87	1.45E-04	1.63E-08	4.35E-07	1.15E-06	1.47E-04	6.86E-05	6.72E-03	3.27E-05	4.21E-05	6.87E-03	6.52E-05	1.34E-08	4.35E-07	1.15E-06	6.68E-05
589	488804.24	3861151.87	1.40E-04	1.48E-08	4.52E-07	1.12E-06	1.42E-04	6.60E-05	6.09E-03	3.39E-05	4.09E-05	6.23E-03	6.28E-05	1.21E-08	4.52E-07	1.12E-06	6.44E-05
590	488854.24	3861151.87	1.40E-04	1.48E-08	4.46E-07	1.09E-06	1.42E-04	6.62E-05	6.09E-03	3.34E-05	4.01E-05	6.23E-03	6.29E-05	1.21E-08	4.46E-07	1.09E-06	6.45E-05
591	489129.49	3861187.55	1.41E-04	1.41E-08	4.18E-07	1.03E-06	1.42E-04	6.64E-05	5.83E-03	3.13E-05	3.76E-05	5.96E-03	6.31E-05	1.16E-08	4.18E-07	1.03E-06	6.46E-05
592	489179.49	3861187.55	1.41E-04	1.42E-08	4.17E-07	1.03E-06	1.43E-04	6.65E-05	5.83E-03	3.13E-05	3.79E-05	5.97E-03	6.33E-05	1.16E-08	4.17E-07	1.03E-06	6.47E-05
593	488804.24	3861201.87	1.37E-04	1.37E-08	4.49E-07	1.05E-06	1.39E-04	6.48E-05	5.64E-03	3.37E-05	3.86E-05	5.78E-03	6.16E-05	1.12E-08	4.49E-07	1.05E-06	6.31E-05
594	488854.24	3861201.87	1.37E-04	1.36E-08	4.41E-07	1.03E-06	1.39E-04	6.48E-05	5.61E-03	3.30E-05	3.78E-05	5.75E-03	6.16E-05	1.12E-08	4.41E-07	1.03E-06	6.31E-05
595	489129.49	3861237.55	1.38E-04	1.32E-08	4.13E-07	9.65E-07	1.40E-04	6.53E-05	5.43E-03	3.10E-05	3.54E-05	5.57E-03	6.21E-05	1.08E-08	4.13E-07	9.65E-07	6.35E-05
596	489179.49	3861237.55	1.38E-04	1.32E-08	4.11E-07	9.70E-07	1.40E-04	6.53E-05	5.43E-03	3.08E-05	3.56E-05	5.56E-03	6.21E-05	1.08E-08	4.11E-07	9.70E-07	6.35E-05
597	488804.24	3861251.87	1.35E-04	1.28E-08	4.45E-07	9.98E-07	1.36E-04	6.37E-05	5.26E-03	3.34E-05	3.66E-05	5.39E-03	6.05E-05	1.05E-08	4.45E-07	9.98E-07	6.20E-05
598	488854.24	3861251.87	1.35E-04	1.27E-08	4.37E-07	9.76E-07	1.36E-04	6.36E-05	5.23E-03	3.28E-05	3.58E-05	5.36E-03	6.04E-05	1.04E-08	4.37E-07	9.76E-07	6.19E-05
599	488804.24	3861301.87	1.32E-04	1.19E-08	4.41E-07	9.46E-07	1.34E-04	6.24E-05	4.90E-03	3.30E-05	3.47E-05	5.03E-03	5.93E-05	9.77E-09	4.41E-07	9.46E-07	6.07E-05
600	488854.24	3861301.87	1.32E-04	1.19E-08	4.33E-07	9.27E-07	1.34E-04	6.24E-05	4.89E-03	3.25E-05	3.40E-05	5.02E-03	5.93E-05	9.75E-09	4.33E-07	9.27E-07	6.07E-05
601	490943.5	3860181.97	2.11E-04	2.81E-08	1.15E-06	3.22E-06	2.15E-04	9.95E-05	1.16E-02	8.62E-05	1.18E-04	1.19E-02	9.46E-05	2.31E-08	1.15E-06	3.22E-06	9.90E-05
602	490993.5	3860181.97	2.10E-04	2.75E-08	1.15E-06	3.16E-06	2.14E-04	9.89E-05	1.13E-02	8.62E-05	1.16E-04	1.16E-02	9.41E-05	2.26E-08	1.15E-06	3.16E-06	9.84E-05
603	491043.5	3860181.97	2.09E-04	2.70E-08	1.15E-06	3.10E-06	2.13E-04	9.84E-05	1.11E-02	8.64E-05	1.14E-04	1.14E-02	9.36E-05	2.21E-08	1.15E-06	3.10E-06	9.78E-05
604	491093.5	3860181.97	2.07E-04	2.64E-08	1.15E-06	3.03E-06	2.12E-04	9.78E-05	1.09E-02	8.66E-05	1.11E-04	1.12E-02	9.30E-05	2.17E-08	1.15E-06	3.03E-06	9.72E-05
605	490943.5	3860231.97	2.08E-04	2.76E-08	1.12E-06	3.06E-06	2.12E-04	9.81E-05	1.14E-02	8.41E-05	1.12E-04	1.17E-02	9.33E-05	2.26E-08	1.12E-06	3.06E-06	9.75E-05
606	490993.5	3860231.97	2.07E-04	2.70E-08	1.12E-06	3.02E-06	2.11E-04	9.76E-05	1.11E-02	8.43E-05	1.11E-04	1.14E-02	9.28E-05	2.22E-08	1.12E-06	3.02E-06	9.70E-05

607	491043.5	3860231.97	2.05E-04	2.65E-08	1.12E-06	2.95E-06	2.10E-04	9.69E-05	1.09E-02	8.42E-05	1.08E-04	1.12E-02	9.22E-05	2.17E-08	1.12E-06	2.95E-06	9.63E-05
608	491093.5	3860231.97	2.04E-04	2.59E-08	1.12E-06	2.89E-06	2.08E-04	9.62E-05	1.07E-02	8.41E-05	1.06E-04	1.10E-02	9.15E-05	2.13E-08	1.12E-06	2.89E-06	9.56E-05
609	490943.5	3860281.97	2.05E-04	2.70E-08	1.10E-06	2.90E-06	2.09E-04	9.68E-05	1.11E-02	8.23E-05	1.06E-04	1.14E-02	9.20E-05	2.21E-08	1.10E-06	2.90E-06	9.60E-05
610	490993.5	3860281.97	2.04E-04	2.64E-08	1.10E-06	2.86E-06	2.08E-04	9.62E-05	1.09E-02	8.23E-05	1.05E-04	1.12E-02	9.15E-05	2.17E-08	1.10E-06	2.86E-06	9.55E-05
611	491043.5	3860281.97	2.03E-04	2.59E-08	1.10E-06	2.81E-06	2.06E-04	9.55E-05	1.07E-02	8.22E-05	1.03E-04	1.09E-02	9.08E-05	2.12E-08	1.10E-06	2.81E-06	9.48E-05
612	491093.5	3860281.97	2.01E-04	2.54E-08	1.09E-06	2.76E-06	2.05E-04	9.49E-05	1.04E-02	8.21E-05	1.01E-04	1.07E-02	9.02E-05	2.08E-08	1.09E-06	2.76E-06	9.41E-05
613	490943.5	3860331.97	2.02E-04	2.63E-08	1.07E-06	2.75E-06	2.06E-04	9.55E-05	1.08E-02	8.06E-05	1.01E-04	1.11E-02	9.08E-05	2.16E-08	1.07E-06	2.75E-06	9.47E-05
614	490993.5	3860331.97	2.01E-04	2.58E-08	1.07E-06	2.70E-06	2.05E-04	9.47E-05	1.06E-02	8.04E-05	9.90E-05	1.09E-02	9.01E-05	2.11E-08	1.07E-06	2.70E-06	9.39E-05
615	491043.5	3860331.97	1.99E-04	2.52E-08	1.07E-06	2.65E-06	2.03E-04	9.40E-05	1.04E-02	8.02E-05	9.73E-05	1.07E-02	8.94E-05	2.07E-08	1.07E-06	2.65E-06	9.32E-05
616	491093.5	3860331.97	1.98E-04	2.47E-08	1.07E-06	2.61E-06	2.02E-04	9.34E-05	1.02E-02	8.01E-05	9.57E-05	1.05E-02	8.88E-05	2.03E-08	1.07E-06	2.61E-06	9.25E-05
617	490086.72	3859935.12	2.57E-04	4.32E-08	1.22E-06	6.22E-06	2.65E-04	1.21E-04	1.78E-02	9.16E-05	2.28E-04	1.82E-02	1.15E-04	3.54E-08	1.22E-06	6.22E-06	1.23E-04
618	490136.72	3859935.12	2.56E-04	4.22E-08	1.24E-06	6.01E-06	2.63E-04	1.21E-04	1.74E-02	9.29E-05	2.21E-04	1.78E-02	1.15E-04	3.46E-08	1.24E-06	6.01E-06	1.22E-04
619	490186.72	3859935.12	2.54E-04	4.13E-08	1.26E-06	5.82E-06	2.62E-04	1.20E-04	1.70E-02	9.41E-05	2.13E-04	1.74E-02	1.14E-04	3.39E-08	1.26E-06	5.82E-06	1.21E-04
620	490236.72	3859935.12	2.53E-04	4.04E-08	1.27E-06	5.64E-06	2.60E-04	1.19E-04	1.66E-02	9.52E-05	2.07E-04	1.70E-02	1.13E-04	3.31E-08	1.27E-06	5.64E-06	1.20E-04
621	490286.72	3859935.12	2.51E-04	3.95E-08	1.28E-06	5.47E-06	2.57E-04	1.18E-04	1.63E-02	9.61E-05	2.01E-04	1.67E-02	1.12E-04	3.24E-08	1.28E-06	5.47E-06	1.19E-04
622	490336.72	3859935.12	2.48E-04	3.86E-08	1.29E-06	5.31E-06	2.55E-04	1.17E-04	1.59E-02	9.66E-05	1.95E-04	1.63E-02	1.11E-04	3.17E-08	1.29E-06	5.31E-06	1.18E-04
623	490386.72	3859935.12	2.47E-04	3.78E-08	1.30E-06	5.16E-06	2.53E-04	1.16E-04	1.56E-02	9.72E-05	1.89E-04	1.60E-02	1.11E-04	3.10E-08	1.30E-06	5.16E-06	1.17E-04
624	490436.72	3859935.12	2.44E-04	3.70E-08	1.30E-06	5.02E-06	2.51E-04	1.15E-04	1.52E-02	9.75E-05	1.84E-04	1.56E-02	1.10E-04	3.03E-08	1.30E-06	5.02E-06	1.16E-04
625	490486.72	3859935.12	2.43E-04	3.62E-08	1.30E-06	4.89E-06	2.49E-04	1.14E-04	1.49E-02	9.78E-05	1.79E-04	1.53E-02	1.09E-04	2.97E-08	1.30E-06	4.89E-06	1.15E-04
626	490536.72	3859935.12	2.41E-04	3.54E-08	1.31E-06	4.75E-06	2.48E-04	1.14E-04	1.46E-02	9.85E-05	1.74E-04	1.50E-02	1.08E-04	2.90E-08	1.31E-06	4.75E-06	1.14E-04
627	490586.72	3859935.12	2.41E-04	3.46E-08	1.33E-06	4.62E-06	2.47E-04	1.13E-04	1.43E-02	9.94E-05	1.69E-04	1.46E-02	1.08E-04	2.84E-08	1.33E-06	4.62E-06	1.14E-04
628	490636.72	3859935.12	2.39E-04	3.39E-08	1.33E-06	4.50E-06	2.45E-04	1.13E-04	1.40E-02	1.00E-04	1.65E-04	1.43E-02	1.07E-04	2.78E-08	1.33E-06	4.50E-06	1.13E-04
629	490686.72	3859935.12	2.39E-04	3.30E-08	1.35E-06	4.38E-06	2.45E-04	1.13E-04	1.36E-02	1.01E-04	1.60E-04	1.40E-02	1.07E-04	2.71E-08	1.35E-06	4.38E-06	1.13E-04
630	490736.72	3859935.12	2.38E-04	3.23E-08	1.36E-06	4.27E-06	2.44E-04	1.12E-04	1.33E-02	1.02E-04	1.56E-04	1.37E-02	1.07E-04	2.65E-08	1.36E-06	4.27E-06	1.13E-04
631	490086.72	3859985.12	2.53E-04	4.32E-08	1.18E-06	5.98E-06	2.60E-04	1.19E-04	1.78E-02	8.83E-05	2.19E-04	1.82E-02	1.13E-04	3.54E-08	1.18E-06	5.98E-06	1.21E-04
632	490136.72	3859985.12	2.52E-04	4.22E-08	1.19E-06	5.78E-06	2.59E-04	1.19E-04	1.74E-02	8.95E-05	2.12E-04	1.78E-02	1.13E-04	3.46E-08	1.19E-06	5.78E-06	1.20E-04
633	490186.72	3859985.12	2.50E-04	4.12E-08	1.21E-06	5.60E-06	2.57E-04	1.18E-04	1.70E-02	9.08E-05	2.05E-04	1.74E-02	1.12E-04	3.38E-08	1.21E-06	5.60E-06	1.19E-04
634	490236.72	3859985.12	2.49E-04	4.03E-08	1.23E-06	5.42E-06	2.56E-04	1.17E-04	1.66E-02	9.22E-05	1.99E-04	1.70E-02	1.12E-04	3.30E-08	1.23E-06	5.42E-06	1.18E-04
635	490286.72	3859985.12	2.47E-04	3.94E-08	1.24E-06	5.26E-06	2.54E-04	1.17E-04	1.62E-02	9.31E-05	1.93E-04	1.66E-02	1.11E-04	3.23E-08	1.24E-06	5.26E-06	1.17E-04
636	490336.72	3859985.12	2.45E-04	3.85E-08	1.25E-06	5.12E-06	2.52E-04	1.16E-04	1.59E-02	9.38E-05	1.88E-04	1.62E-02	1.10E-04	3.16E-08	1.25E-06	5.12E-06	1.16E-04
637	490386.72	3859985.12	2.43E-04	3.76E-08	1.26E-06	4.98E-06	2.49E-04	1.15E-04	1.55E-02	9.42E-05	1.83E-04	1.59E-02	1.09E-04	3.09E-08	1.26E-06	4.98E-06	1.15E-04
638	490436.72	3859985.12	2.41E-04	3.68E-08	1.26E-06	4.85E-06	2.47E-04	1.14E-04	1.52E-02	9.46E-05	1.78E-04	1.55E-02	1.08E-04	3.02E-08	1.26E-06	4.85E-06	1.14E-04
639	490486.72	3859985.12	2.39E-04	3.60E-08	1.27E-06	4.72E-06	2.45E-04	1.13E-04	1.48E-02	9.50E-05	1.73E-04	1.52E-02	1.07E-04	2.95E-08	1.27E-06	4.72E-06	1.13E-04
640	490536.72	3859985.12	2.37E-04	3.52E-08	1.27E-06	4.60E-06	2.43E-04	1.12E-04	1.45E-02	9.54E-05	1.69E-04	1.49E-02	1.06E-04	2.89E-08	1.27E-06	4.60E-06	1.12E-04
641	490586.72	3859985.12	2.36E-04	3.44E-08	1.28E-06	4.47E-06	2.42E-04	1.11E-04	1.42E-02	9.60E-05	1.64E-04	1.46E-02	1.06E-04	2.83E-08	1.28E-06	4.47E-06	1.12E-04
642	490636.72	3859985.12	2.35E-04	3.37E-08	1.29E-06	4.35E-06	2.41E-04	1.11E-04	1.39E-02	9.66E-05	1.60E-04	1.42E-02	1.06E-04	2.76E-08	1.29E-06	4.35E-06	1.11E-04
643	490686.72	3859985.12	2.35E-04	3.29E-08	1.30E-06	4.23E-06	2.40E-04	1.11E-04	1.35E-02	9.78E-05	1.55E-04	1.39E-02	1.05E-04	2.70E-08	1.30E-06	4.23E-06	1.11E-04
644	490736.72	3859985.12	2.34E-04	3.22E-08	1.31E-06	4.14E-06	2.39E-04	1.10E-04	1.33E-02	9.81E-05	1.52E-04	1.36E-02	1.05E-04	2.64E-08	1.31E-06	4.14E-06	1.10E-04
645	490786.72	3859985.12	2.32E-04	3.15E-08	1.31E-06	4.04E-06	2.38E-04	1.10E-04	1.30E-02	9.85E-05	1.48E-04	1.33E-02	1.04E-04	2.59E-08	1.31E-06	4.04E-06	1.10E-04
646	490086.72	3860035.12	2.48E-04	4.32E-08	1.14E-06	5.71E-06	2.55E-04	1.17E-04	1.78E-02	8.53E-05	2.09E-04	1.82E-02	1.11E-04	3.55E-08	1.14E-06	5.71E-06	1.18E-04
647	490136.72	3860035.12	2.47E-04	4.22E-08	1.15E-06	5.53E-06	2.54E-04	1.16E-04	1.74E-02	8.64E-05	2.03E-04	1.78E-02	1.11E-04	3.46E-08	1.15E-06	5.53E-06	1.17E-04
648	490186.72	3860035.12	2.46E-04	4.12E-08	1.17E-06	5.36E-06	2.53E-04	1.16E-04	1.70E-02	8.76E-05	1.97E-04	1.74E-02	1.10E-04	3.38E-08	1.17E-06	5.36E-06	1.17E-04
649	490236.72	3860035.12	2.45E-04	4.02E-08	1.18E-06	5.20E-06	2.51E-04	1.15E-04	1.66E-02	8.89E-05	1.91E-04	1.69E-02	1.10E-04	3.30E-08	1.18E-06	5.20E-06	1.16E-04
650	490286.72	3860035.12	2.43E-04	3.92E-08	1.20E-06	5.05E-06	2.50E-04	1.15E-04	1.62E-02	8.99E-05	1.85E-04	1.66E-02	1.09E-04	3.22E-08	1.20E-06	5.05E-06	1.15E-04
651	490336.72	3860035.12	2.42E-04	3.83E-08	1.21E-06	4.91E-06	2.48E-04	1.14E-04	1.58E-02	9.09E-05	1.80E-04	1.62E-02	1.08E-04	3.14E-08	1.21E-06	4.91E-06	1.15E-04
652	490386.72	3860035.12	2.40E-04	3.74E-08	1.22E-06	4.78E-06	2.46E-04	1.13E-04	1.54E-02	9.14E-05	1.75E-04	1.58E-02	1.07E-04	3.07E-08	1.22E-06	4.78E-06	1.14E-04
653	490436.72	3860035.12	2.38E-04	3.66E-08	1.22E-06	4.66E-06	2.44E-04	1.12E-04	1.51E-02	9.19E-05	1.71E-04	1.54E-02	1.07E-04	3.00E-08	1.22E-06	4.66E-06	1.12E-04
654	490486.72	3860035.12	2.36E-04	3.58E-08	1.23E-06	4.54E-06	2.41E-04	1.11E-04	1.47E-02	9.22E-05	1.67E-04	1.51E-02	1.06E-04	2.93E-08	1.23E-06	4.54E-06	1.11E-04
655	490536.72	3860035.12	2.34E-04	3.50E-08	1.24E-06	4.43E-06	2.40E-04	1.10E-04	1.44E-02	9.27E-05	1.62E-04	1.48E-02	1.05E-04	2.87E-08	1.24E-06	4.43E-06	1.11E-04
656	490586.72	3860035.12	2.32E-04	3.42E-08	1.24E-06	4.32E-06	2.38E-04	1.10E-04	1.41E-02	9.30E-05	1.58E-04	1.44E-02	1.04E-04	2.81E-08	1.24E-06	4.32E-06	1.10E-04
657	490636.72	3860035.12	2.31E-04	3.34E-08	1.24E-06	4.22E-06	2.36E-04	1.09E-04	1.38E-02	9.31E-05	1.55E-04	1.41E-02	1.03E-04	2.74E-08	1.24E-06	4.22E-06	1.09E-04
658	490686.72	3860035.12	2.29E-04	3.27E-08	1.25E-06	4.11E-06	2.35E-04	1.08E-04	1.35E-02	9.36E-05	1.51E-04	1.38E-02	1.03E-04	2.68E-08	1.25E-06	4.11E-06	1.08E-04
659	490736.72	3860035.12	2.29E-04	3.20E-08	1.26E-06	4.00E-06	2.34E-04	1.08E-04	1.32E-02	9.47E-05	1.47E-04	1.35E-02	1.03E-04	2.62E-08	1.26E-06	4.00E-06	1.08E-04
660	490786.72	3860035.12	2.28E-04	3.13E-08	1.27E-06	3.91E-06	2.33E-04	1.07E-04	1.29E-02	9.49E-05	1.43E-04	1.32E-02	1.02E-04	2.57E-08	1.27E-06	3.91E-06	1.07E-04
661	490836.72	3860035.12	2.27E-04	3.07E-08	1.27E-06	3.83E-06	2.32E-04	1.07E-04	1.26E-02	9.52E-05	1.40E-04	1.30E-02	1.02E-04	2.52E-08	1.27E-06	3.83E-06	1.07E-04
662	490086.72	3860085.12	2.43E-04	4.31E-08	1.11E-06	5.42E-06	2.50E-04	1.15E-04	1.77E-02	8.31E-05	1.99E-04	1.81E-02	1.09E-04	3.53E-08	1.11E-06	5.42E-06	1.16E-04
663	490136.72	3860085.12	2.42E-04	4.21E-08	1.11E-06	5.27E-06	2.49E-04	1.14E-04	1.74E-02	8.36E-05	1.93E-04	1.77E-02	1.09E-04	3.46E-08	1.11E-06	5.27E-06	1.15E-04
664	490186.72	3860085.12	2.42E-04	4.10E-08	1.13E-06	5.10E-06	2.48E-04	1.14E-04	1.69E-02	8.48E-05	1.87E-04	1.73E-02	1.08E-04	3.37E-08	1.13E-06	5.10E-06	1.15E-04
665	490236.72	3860085.12	2.41E-04	4.00E-08	1.15E-06	4.96E-06	2.47E-04	1.14E-04	1.65E-02	8.59E-05	1.82E-04	1.69E-02	1.08E-04	3.28E-08	1.15E-06	4.96E-06	1.14E-04
666	490286.72	3860085.12	2.40E-04	3.90E-08	1.16E-06	4.82E-06	2.46E-04	1.13E-04	1.61E-02	8.69E-05	1.77E-04	1.65E-02	1.07E-04	3.20E-08	1.16E-06	4.82E-06	1.13E-04
667	490336.72	3860085.12	2.38E-04	3.81E-08	1.17E-06	4.69E-06	2.44E-04	1.12E-04	1.57E-02	8.78E-05	1.72E-04	1.61E-02	1.07E-04	3.13E-08	1.17E-06	4.69E-06	1.13E-04

668	490386.72	3860085.12	2.36E-04	3.72E-08	1.18E-06	4.57E-06	2.42E-04	1.11E-04	1.53E-02	8.86E-05	1.68E-04	1.57E-02	1.06E-04	3.05E-08	1.18E-06	4.57E-06	1.12E-04
669	490436.72	3860085.12	2.34E-04	3.63E-08	1.19E-06	4.46E-06	2.40E-04	1.11E-04	1.50E-02	8.92E-05	1.64E-04	1.53E-02	1.05E-04	2.98E-08	1.19E-06	4.46E-06	1.11E-04
670	490486.72	3860085.12	2.32E-04	3.55E-08	1.19E-06	4.35E-06	2.38E-04	1.10E-04	1.46E-02	8.96E-05	1.59E-04	1.50E-02	1.04E-04	2.91E-08	1.19E-06	4.35E-06	1.10E-04
671	490536.72	3860085.12	2.31E-04	3.47E-08	1.20E-06	4.24E-06	2.36E-04	1.09E-04	1.43E-02	9.01E-05	1.56E-04	1.46E-02	1.03E-04	2.84E-08	1.20E-06	4.24E-06	1.09E-04
672	490586.72	3860085.12	2.29E-04	3.39E-08	1.21E-06	4.14E-06	2.34E-04	1.08E-04	1.40E-02	9.04E-05	1.52E-04	1.43E-02	1.03E-04	2.78E-08	1.21E-06	4.14E-06	1.08E-04
673	490636.72	3860085.12	2.27E-04	3.31E-08	1.21E-06	4.04E-06	2.32E-04	1.07E-04	1.36E-02	9.05E-05	1.48E-04	1.40E-02	1.02E-04	2.72E-08	1.21E-06	4.04E-06	1.07E-04
674	490686.72	3860085.12	2.26E-04	3.24E-08	1.21E-06	3.95E-06	2.31E-04	1.06E-04	1.33E-02	9.08E-05	1.45E-04	1.37E-02	1.01E-04	2.66E-08	1.21E-06	3.95E-06	1.06E-04
675	490736.72	3860085.12	2.25E-04	3.17E-08	1.22E-06	3.86E-06	2.30E-04	1.06E-04	1.30E-02	9.12E-05	1.42E-04	1.34E-02	1.01E-04	2.60E-08	1.22E-06	3.86E-06	1.06E-04
676	490786.72	3860085.12	2.24E-04	3.10E-08	1.22E-06	3.77E-06	2.29E-04	1.05E-04	1.28E-02	9.17E-05	1.38E-04	1.31E-02	1.00E-04	2.54E-08	1.22E-06	3.77E-06	1.05E-04
677	490836.72	3860085.12	2.22E-04	3.03E-08	1.22E-06	3.69E-06	2.27E-04	1.05E-04	1.25E-02	9.18E-05	1.35E-04	1.28E-02	9.97E-05	2.49E-08	1.22E-06	3.69E-06	1.05E-04
678	490086.72	3860135.12	2.37E-04	4.32E-08	1.06E-06	5.15E-06	2.43E-04	1.12E-04	1.78E-02	7.99E-05	1.89E-04	1.82E-02	1.06E-04	3.55E-08	1.06E-06	5.15E-06	1.12E-04
679	490136.72	3860135.12	2.37E-04	4.20E-08	1.08E-06	4.99E-06	2.43E-04	1.12E-04	1.73E-02	8.08E-05	1.83E-04	1.77E-02	1.06E-04	3.45E-08	1.08E-06	4.99E-06	1.12E-04
680	490186.72	3860135.12	2.37E-04	4.09E-08	1.09E-06	4.84E-06	2.43E-04	1.12E-04	1.68E-02	8.19E-05	1.78E-04	1.72E-02	1.06E-04	3.35E-08	1.09E-06	4.84E-06	1.12E-04
681	490236.72	3860135.12	2.36E-04	3.98E-08	1.11E-06	4.71E-06	2.42E-04	1.11E-04	1.64E-02	8.29E-05	1.73E-04	1.68E-02	1.06E-04	3.27E-08	1.11E-06	4.71E-06	1.12E-04
682	490286.72	3860135.12	2.35E-04	3.88E-08	1.12E-06	4.58E-06	2.41E-04	1.11E-04	1.60E-02	8.39E-05	1.68E-04	1.63E-02	1.06E-04	3.18E-08	1.12E-06	4.58E-06	1.11E-04
683	490336.72	3860135.12	2.34E-04	3.78E-08	1.13E-06	4.46E-06	2.40E-04	1.10E-04	1.56E-02	8.50E-05	1.64E-04	1.59E-02	1.05E-04	3.10E-08	1.13E-06	4.46E-06	1.11E-04
684	490386.72	3860135.12	2.33E-04	3.69E-08	1.14E-06	4.35E-06	2.38E-04	1.10E-04	1.52E-02	8.58E-05	1.60E-04	1.55E-02	1.04E-04	3.03E-08	1.14E-06	4.35E-06	1.10E-04
685	490436.72	3860135.12	2.31E-04	3.60E-08	1.15E-06	4.25E-06	2.36E-04	1.09E-04	1.48E-02	8.64E-05	1.56E-04	1.52E-02	1.04E-04	2.95E-08	1.15E-06	4.25E-06	1.09E-04
686	490486.72	3860135.12	2.29E-04	3.51E-08	1.16E-06	4.14E-06	2.34E-04	1.08E-04	1.45E-02	8.71E-05	1.52E-04	1.48E-02	1.03E-04	2.88E-08	1.16E-06	4.14E-06	1.08E-04
687	490536.72	3860135.12	2.27E-04	3.43E-08	1.17E-06	4.04E-06	2.33E-04	1.07E-04	1.41E-02	8.76E-05	1.48E-04	1.45E-02	1.02E-04	2.81E-08	1.17E-06	4.04E-06	1.07E-04
688	490586.72	3860135.12	2.26E-04	3.35E-08	1.17E-06	3.95E-06	2.31E-04	1.06E-04	1.38E-02	8.80E-05	1.45E-04	1.41E-02	1.01E-04	2.75E-08	1.17E-06	3.95E-06	1.06E-04
689	490636.72	3860135.12	2.24E-04	3.27E-08	1.18E-06	3.86E-06	2.29E-04	1.06E-04	1.35E-02	8.82E-05	1.41E-04	1.38E-02	1.00E-04	2.68E-08	1.18E-06	3.86E-06	1.05E-04
690	490686.72	3860135.12	2.22E-04	3.20E-08	1.18E-06	3.77E-06	2.27E-04	1.05E-04	1.32E-02	8.83E-05	1.38E-04	1.35E-02	9.96E-05	2.62E-08	1.18E-06	3.77E-06	1.05E-04
691	490736.72	3860135.12	2.21E-04	3.13E-08	1.18E-06	3.69E-06	2.26E-04	1.04E-04	1.29E-02	8.85E-05	1.35E-04	1.32E-02	9.90E-05	2.57E-08	1.18E-06	3.69E-06	1.04E-04
692	490786.72	3860135.12	2.20E-04	3.06E-08	1.18E-06	3.62E-06	2.24E-04	1.04E-04	1.26E-02	8.88E-05	1.33E-04	1.29E-02	9.85E-05	2.51E-08	1.18E-06	3.62E-06	1.03E-04
693	490836.72	3860135.12	2.18E-04	2.99E-08	1.18E-06	3.54E-06	2.23E-04	1.03E-04	1.23E-02	8.89E-05	1.30E-04	1.27E-02	9.78E-05	2.46E-08	1.18E-06	3.54E-06	1.03E-04
694	490086.72	3860185.12	2.31E-04	4.31E-08	1.03E-06	4.87E-06	2.37E-04	1.09E-04	1.78E-02	7.75E-05	1.79E-04	1.81E-02	1.03E-04	3.54E-08	1.03E-06	4.87E-06	1.09E-04
695	490136.72	3860185.12	2.32E-04	4.18E-08	1.05E-06	4.72E-06	2.37E-04	1.09E-04	1.72E-02	7.84E-05	1.73E-04	1.76E-02	1.04E-04	3.43E-08	1.05E-06	4.72E-06	1.10E-04
696	490186.72	3860185.12	2.32E-04	4.06E-08	1.06E-06	4.58E-06	2.37E-04	1.09E-04	1.67E-02	7.93E-05	1.68E-04	1.71E-02	1.04E-04	3.33E-08	1.06E-06	4.58E-06	1.10E-04
697	490236.72	3860185.12	2.31E-04	3.95E-08	1.07E-06	4.45E-06	2.37E-04	1.09E-04	1.63E-02	8.02E-05	1.63E-04	1.66E-02	1.04E-04	3.24E-08	1.07E-06	4.45E-06	1.09E-04
698	490286.72	3860185.12	2.31E-04	3.84E-08	1.08E-06	4.34E-06	2.36E-04	1.09E-04	1.58E-02	8.11E-05	1.59E-04	1.62E-02	1.04E-04	3.15E-08	1.08E-06	4.34E-06	1.09E-04
699	490336.72	3860185.12	2.30E-04	3.74E-08	1.09E-06	4.23E-06	2.35E-04	1.08E-04	1.54E-02	8.21E-05	1.55E-04	1.58E-02	1.03E-04	3.07E-08	1.09E-06	4.23E-06	1.08E-04
700	490386.72	3860185.12	2.29E-04	3.64E-08	1.11E-06	4.12E-06	2.34E-04	1.08E-04	1.50E-02	8.30E-05	1.51E-04	1.54E-02	1.03E-04	2.99E-08	1.11E-06	4.12E-06	1.08E-04
701	490436.72	3860185.12	2.27E-04	3.55E-08	1.12E-06	4.02E-06	2.33E-04	1.07E-04	1.46E-02	8.38E-05	1.48E-04	1.50E-02	1.02E-04	2.91E-08	1.12E-06	4.02E-06	1.07E-04
702	490486.72	3860185.12	2.26E-04	3.46E-08	1.13E-06	3.93E-06	2.31E-04	1.07E-04	1.43E-02	8.45E-05	1.44E-04	1.46E-02	1.01E-04	2.84E-08	1.13E-06	3.93E-06	1.06E-04
703	490536.72	3860185.12	2.24E-04	3.38E-08	1.14E-06	3.83E-06	2.29E-04	1.06E-04	1.39E-02	8.52E-05	1.41E-04	1.43E-02	1.01E-04	2.77E-08	1.14E-06	3.83E-06	1.06E-04
704	490586.72	3860185.12	2.23E-04	3.30E-08	1.14E-06	3.75E-06	2.28E-04	1.05E-04	1.36E-02	8.57E-05	1.37E-04	1.39E-02	9.99E-05	2.71E-08	1.14E-06	3.75E-06	1.05E-04
705	490636.72	3860185.12	2.21E-04	3.22E-08	1.15E-06	3.66E-06	2.26E-04	1.04E-04	1.33E-02	8.59E-05	1.34E-04	1.36E-02	9.91E-05	2.64E-08	1.15E-06	3.66E-06	1.04E-04
706	490686.72	3860185.12	2.19E-04	3.15E-08	1.15E-06	3.58E-06	2.24E-04	1.03E-04	1.30E-02	8.62E-05	1.31E-04	1.33E-02	9.83E-05	2.58E-08	1.15E-06	3.58E-06	1.03E-04
707	490736.72	3860185.12	2.17E-04	3.08E-08	1.15E-06	3.50E-06	2.22E-04	1.03E-04	1.27E-02	8.62E-05	1.28E-04	1.30E-02	9.75E-05	2.52E-08	1.15E-06	3.50E-06	1.02E-04
708	490786.72	3860185.12	2.16E-04	3.01E-08	1.15E-06	3.43E-06	2.20E-04	1.02E-04	1.24E-02	8.63E-05	1.26E-04	1.27E-02	9.68E-05	2.47E-08	1.15E-06	3.43E-06	1.01E-04
709	490836.72	3860185.12	2.14E-04	2.94E-08	1.15E-06	3.37E-06	2.19E-04	1.01E-04	1.21E-02	8.64E-05	1.23E-04	1.24E-02	9.62E-05	2.42E-08	1.15E-06	3.37E-06	1.01E-04
710	490086.72	3860235.12	2.25E-04	4.28E-08	1.01E-06	4.58E-06	2.31E-04	1.06E-04	1.76E-02	7.56E-05	1.68E-04	1.80E-02	1.01E-04	3.51E-08	1.01E-06	4.58E-06	1.07E-04
711	490136.72	3860235.12	2.26E-04	4.14E-08	1.02E-06	4.44E-06	2.31E-04	1.07E-04	1.71E-02	7.62E-05	1.63E-04	1.74E-02	1.01E-04	3.40E-08	1.02E-06	4.44E-06	1.07E-04
712	490186.72	3860235.12	2.26E-04	4.02E-08	1.03E-06	4.31E-06	2.32E-04	1.07E-04	1.65E-02	7.70E-05	1.58E-04	1.69E-02	1.02E-04	3.30E-08	1.03E-06	4.31E-06	1.07E-04
713	490236.72	3860235.12	2.27E-04	3.90E-08	1.04E-06	4.20E-06	2.32E-04	1.07E-04	1.61E-02	7.78E-05	1.54E-04	1.64E-02	1.02E-04	3.20E-08	1.04E-06	4.20E-06	1.07E-04
714	490286.72	3860235.12	2.26E-04	3.79E-08	1.05E-06	4.09E-06	2.31E-04	1.07E-04	1.56E-02	7.86E-05	1.50E-04	1.59E-02	1.01E-04	3.11E-08	1.05E-06	4.09E-06	1.07E-04
715	490336.72	3860235.12	2.26E-04	3.69E-08	1.06E-06	3.99E-06	2.31E-04	1.06E-04	1.52E-02	7.95E-05	1.46E-04	1.55E-02	1.01E-04	3.02E-08	1.06E-06	3.99E-06	1.06E-04
716	490386.72	3860235.12	2.25E-04	3.59E-08	1.07E-06	3.89E-06	2.30E-04	1.06E-04	1.48E-02	8.04E-05	1.43E-04	1.51E-02	1.01E-04	2.94E-08	1.07E-06	3.89E-06	1.06E-04
717	490436.72	3860235.12	2.24E-04	3.49E-08	1.08E-06	3.80E-06	2.29E-04	1.06E-04	1.44E-02	8.13E-05	1.39E-04	1.47E-02	1.00E-04	2.87E-08	1.08E-06	3.80E-06	1.05E-04
718	490486.72	3860235.12	2.23E-04	3.41E-08	1.09E-06	3.71E-06	2.27E-04	1.05E-04	1.40E-02	8.20E-05	1.36E-04	1.44E-02	9.98E-05	2.80E-08	1.09E-06	3.71E-06	1.05E-04
719	490536.72	3860235.12	2.21E-04	3.32E-08	1.10E-06	3.62E-06	2.26E-04	1.04E-04	1.37E-02	8.27E-05	1.33E-04	1.40E-02	9.92E-05	2.73E-08	1.10E-06	3.62E-06	1.04E-04
720	490586.72	3860235.12	2.20E-04	3.24E-08	1.11E-06	3.54E-06	2.24E-04	1.04E-04	1.33E-02	8.34E-05	1.30E-04	1.37E-02	9.85E-05	2.66E-08	1.11E-06	3.54E-06	1.03E-04
721	490636.72	3860235.12	2.18E-04	3.16E-08	1.12E-06	3.47E-06	2.23E-04	1.03E-04	1.30E-02	8.38E-05	1.27E-04	1.33E-02	9.78E-05	2.60E-08	1.12E-06	3.47E-06	1.02E-04
722	490686.72	3860235.12	2.16E-04	3.09E-08	1.12E-06	3.39E-06	2.21E-04	1.02E-04	1.27E-02	8.41E-05	1.24E-04	1.30E-02	9.70E-05	2.54E-08	1.12E-06	3.39E-06	1.02E-04
723	490736.72	3860235.12	2.15E-04	3.02E-08	1.12E-06	3.32E-06	2.19E-04	1.01E-04	1.24E-02	8.42E-05	1.22E-04	1.27E-02	9.63E-05	2.48E-08	1.12E-06	3.32E-06	1.01E-04
724	490786.72	3860235.12	2.13E-04	2.95E-08	1.12E-06	3.25E-06	2.17E-04	1.00E-04	1.22E-02	8.43E-05	1.19E-04	1.25E-02	9.55E-05	2.42E-08	1.12E-06	3.25E-06	9.99E-05
725	490086.72	3860285.12	2.19E-04	4.22E-08	9.85E-07	4.28E-06	2.24E-04	1.03E-04	1.74E-02	7.39E-05	1.57E-04	1.77E-02	9.83E-05	3.46E-08	9.85E-07	4.28E-06	1.04E-04
726	490136.72	3860285.12	2.20E-04	4.08E-08	9.92E-07	4.16E-06	2.25E-04	1.04E-04	1.68E-02	7.44E-05	1.53E-04	1.71E-02	9.88E-05	3.35E-08	9.92E-07	4.16E-06	1.04E-04
727	490186.72	3860285.12	2.21E-04	3.95E-08	9.98E-07	4.05E-06	2.26E-04	1.04E-04	1.63E-02	7.49E-05	1.48E-04	1.66E-02	9.91E-05	3.24E-08	9.98E-07	4.05E-06	1.04E-04
728	490236.72	3860285.12	2.22E-04	3.83E-08	1.01E-06	3.94E-06	2.27E-04	1.04E-04	1.58E-02	7.56E-05	1.44E-04	1.61E-02	9.94E-05	3.15E-08	1.01E-06	3.94E-06	1.04E-04

729	490286.72	3860285.12	2.22E-04	3.72E-08	1.02E-06	3.84E-06	2.26E-04	1.04E-04	1.53E-02	7.62E-05	1.41E-04	1.57E-02	9.94E-05	3.05E-08	1.02E-06	3.84E-06	1.04E-04
730	490336.72	3860285.12	2.21E-04	3.62E-08	1.03E-06	3.75E-06	2.26E-04	1.04E-04	1.49E-02	7.70E-05	1.38E-04	1.52E-02	9.93E-05	2.97E-08	1.03E-06	3.75E-06	1.04E-04
731	490386.72	3860285.12	2.21E-04	3.52E-08	1.04E-06	3.66E-06	2.26E-04	1.04E-04	1.45E-02	7.79E-05	1.34E-04	1.48E-02	9.91E-05	2.89E-08	1.04E-06	3.66E-06	1.04E-04
732	490436.72	3860285.12	2.20E-04	3.42E-08	1.05E-06	3.58E-06	2.25E-04	1.04E-04	1.41E-02	7.88E-05	1.31E-04	1.44E-02	9.87E-05	2.81E-08	1.05E-06	3.58E-06	1.03E-04
733	490486.72	3860285.12	2.19E-04	3.34E-08	1.06E-06	3.50E-06	2.24E-04	1.03E-04	1.37E-02	7.96E-05	1.28E-04	1.41E-02	9.83E-05	2.74E-08	1.06E-06	3.50E-06	1.03E-04
734	490536.72	3860285.12	2.18E-04	3.25E-08	1.07E-06	3.42E-06	2.22E-04	1.03E-04	1.34E-02	8.03E-05	1.25E-04	1.37E-02	9.77E-05	2.67E-08	1.07E-06	3.42E-06	1.02E-04
735	490586.72	3860285.12	2.16E-04	3.17E-08	1.08E-06	3.34E-06	2.21E-04	1.02E-04	1.31E-02	8.09E-05	1.22E-04	1.34E-02	9.71E-05	2.60E-08	1.08E-06	3.34E-06	1.02E-04
736	490636.72	3860285.12	2.15E-04	3.09E-08	1.09E-06	3.27E-06	2.19E-04	1.01E-04	1.27E-02	8.15E-05	1.20E-04	1.30E-02	9.64E-05	2.54E-08	1.09E-06	3.27E-06	1.01E-04
737	490686.72	3860285.12	2.14E-04	3.02E-08	1.09E-06	3.20E-06	2.18E-04	1.01E-04	1.24E-02	8.20E-05	1.17E-04	1.27E-02	9.58E-05	2.48E-08	1.09E-06	3.20E-06	1.00E-04
738	490736.72	3860285.12	2.12E-04	2.95E-08	1.10E-06	3.14E-06	2.16E-04	9.99E-05	1.22E-02	8.23E-05	1.15E-04	1.25E-02	9.50E-05	2.42E-08	1.10E-06	3.14E-06	9.93E-05
739	490786.72	3860285.12	2.10E-04	2.89E-08	1.10E-06	3.07E-06	2.14E-04	9.92E-05	1.19E-02	8.24E-05	1.13E-04	1.22E-02	9.43E-05	2.37E-08	1.10E-06	3.07E-06	9.85E-05
740	490086.72	3860335.12	2.13E-04	4.13E-08	9.64E-07	3.98E-06	2.18E-04	1.01E-04	1.70E-02	7.23E-05	1.46E-04	1.73E-02	9.57E-05	3.39E-08	9.64E-07	3.98E-06	1.01E-04
741	490136.72	3860335.12	2.15E-04	3.99E-08	9.70E-07	3.87E-06	2.19E-04	1.01E-04	1.65E-02	7.27E-05	1.42E-04	1.68E-02	9.62E-05	3.28E-08	9.70E-07	3.87E-06	1.01E-04
742	490186.72	3860335.12	2.15E-04	3.87E-08	9.75E-07	3.78E-06	2.20E-04	1.02E-04	1.59E-02	7.31E-05	1.38E-04	1.62E-02	9.66E-05	3.17E-08	9.75E-07	3.78E-06	1.01E-04
743	490236.72	3860335.12	2.16E-04	3.75E-08	9.82E-07	3.68E-06	2.21E-04	1.02E-04	1.54E-02	7.37E-05	1.35E-04	1.57E-02	9.70E-05	3.07E-08	9.82E-07	3.68E-06	1.02E-04
744	490286.72	3860335.12	2.17E-04	3.63E-08	9.89E-07	3.60E-06	2.21E-04	1.02E-04	1.50E-02	7.42E-05	1.32E-04	1.53E-02	9.72E-05	2.98E-08	9.89E-07	3.60E-06	1.02E-04
745	490336.72	3860335.12	2.17E-04	3.53E-08	9.98E-07	3.52E-06	2.21E-04	1.02E-04	1.45E-02	7.48E-05	1.29E-04	1.49E-02	9.72E-05	2.90E-08	9.98E-07	3.52E-06	1.02E-04
746	490386.72	3860335.12	2.17E-04	3.43E-08	1.01E-06	3.43E-06	2.21E-04	1.02E-04	1.41E-02	7.56E-05	1.26E-04	1.44E-02	9.71E-05	2.82E-08	1.01E-06	3.43E-06	1.02E-04
747	490436.72	3860335.12	2.16E-04	3.34E-08	1.02E-06	3.36E-06	2.21E-04	1.02E-04	1.38E-02	7.64E-05	1.23E-04	1.41E-02	9.69E-05	2.74E-08	1.02E-06	3.36E-06	1.01E-04
748	490486.72	3860335.12	2.15E-04	3.25E-08	1.03E-06	3.29E-06	2.20E-04	1.02E-04	1.34E-02	7.72E-05	1.20E-04	1.37E-02	9.66E-05	2.67E-08	1.03E-06	3.29E-06	1.01E-04
749	490536.72	3860335.12	2.15E-04	3.17E-08	1.04E-06	3.22E-06	2.19E-04	1.01E-04	1.31E-02	7.80E-05	1.18E-04	1.34E-02	9.62E-05	2.60E-08	1.04E-06	3.22E-06	1.01E-04
750	490586.72	3860335.12	2.13E-04	3.09E-08	1.05E-06	3.14E-06	2.18E-04	1.01E-04	1.27E-02	7.87E-05	1.15E-04	1.30E-02	9.57E-05	2.54E-08	1.05E-06	3.14E-06	9.99E-05
751	490636.72	3860335.12	2.12E-04	3.02E-08	1.06E-06	3.08E-06	2.16E-04	1.00E-04	1.24E-02	7.93E-05	1.13E-04	1.27E-02	9.51E-05	2.48E-08	1.06E-06	3.08E-06	9.93E-05
752	490686.72	3860335.12	2.11E-04	2.95E-08	1.07E-06	3.02E-06	2.15E-04	9.94E-05	1.21E-02	7.99E-05	1.11E-04	1.24E-02	9.45E-05	2.42E-08	1.07E-06	3.02E-06	9.86E-05
753	490736.72	3860335.12	2.09E-04	2.88E-08	1.07E-06	2.96E-06	2.13E-04	9.87E-05	1.19E-02	8.03E-05	1.08E-04	1.21E-02	9.38E-05	2.36E-08	1.07E-06	2.96E-06	9.79E-05
754	490786.72	3860335.12	2.08E-04	2.81E-08	1.08E-06	2.91E-06	2.12E-04	9.80E-05	1.16E-02	8.07E-05	1.07E-04	1.19E-02	9.32E-05	2.31E-08	1.08E-06	2.91E-06	9.72E-05
755	490086.72	3860385.12	2.08E-04	4.02E-08	9.46E-07	3.68E-06	2.12E-04	9.80E-05	1.66E-02	7.09E-05	1.35E-04	1.69E-02	9.31E-05	3.30E-08	9.46E-07	3.68E-06	9.78E-05
756	490136.72	3860385.12	2.09E-04	3.88E-08	9.51E-07	3.59E-06	2.14E-04	9.86E-05	1.60E-02	7.13E-05	1.32E-04	1.63E-02	9.38E-05	3.19E-08	9.51E-07	3.59E-06	9.83E-05
757	490186.72	3860385.12	2.10E-04	3.76E-08	9.53E-07	3.50E-06	2.14E-04	9.90E-05	1.55E-02	7.15E-05	1.28E-04	1.58E-02	9.42E-05	3.08E-08	9.53E-07	3.50E-06	9.86E-05
758	490236.72	3860385.12	2.11E-04	3.64E-08	9.58E-07	3.42E-06	2.15E-04	9.95E-05	1.50E-02	7.19E-05	1.26E-04	1.53E-02	9.46E-05	2.99E-08	9.58E-07	3.42E-06	9.90E-05
759	490286.72	3860385.12	2.12E-04	3.53E-08	9.64E-07	3.35E-06	2.16E-04	9.98E-05	1.45E-02	7.23E-05	1.23E-04	1.48E-02	9.49E-05	2.90E-08	9.64E-07	3.35E-06	9.92E-05
760	490336.72	3860385.12	2.12E-04	3.43E-08	9.71E-07	3.28E-06	2.16E-04	1.00E-04	1.41E-02	7.28E-05	1.20E-04	1.44E-02	9.51E-05	2.81E-08	9.71E-07	3.28E-06	9.93E-05
761	490386.72	3860385.12	2.12E-04	3.33E-08	9.79E-07	3.21E-06	2.16E-04	1.00E-04	1.37E-02	7.34E-05	1.18E-04	1.40E-02	9.51E-05	2.73E-08	9.79E-07	3.21E-06	9.93E-05
762	490436.72	3860385.12	2.12E-04	3.24E-08	9.88E-07	3.14E-06	2.16E-04	1.00E-04	1.34E-02	7.41E-05	1.15E-04	1.36E-02	9.51E-05	2.66E-08	9.88E-07	3.14E-06	9.92E-05
763	490486.72	3860385.12	2.12E-04	3.16E-08	9.99E-07	3.08E-06	2.16E-04	9.98E-05	1.30E-02	7.49E-05	1.13E-04	1.33E-02	9.49E-05	2.59E-08	9.99E-07	3.08E-06	9.90E-05
764	490536.72	3860385.12	2.11E-04	3.08E-08	1.01E-06	3.02E-06	2.15E-04	9.95E-05	1.27E-02	7.58E-05	1.11E-04	1.30E-02	9.47E-05	2.53E-08	1.01E-06	3.02E-06	9.87E-05
765	490586.72	3860385.12	2.10E-04	3.00E-08	1.02E-06	2.96E-06	2.14E-04	9.91E-05	1.24E-02	7.65E-05	1.08E-04	1.27E-02	9.43E-05	2.46E-08	1.02E-06	2.96E-06	9.83E-05
766	490636.72	3860385.12	2.09E-04	2.93E-08	1.03E-06	2.90E-06	2.13E-04	9.86E-05	1.21E-02	7.72E-05	1.06E-04	1.23E-02	9.38E-05	2.40E-08	1.03E-06	2.90E-06	9.77E-05
767	490686.72	3860385.12	2.08E-04	2.86E-08	1.04E-06	2.84E-06	2.12E-04	9.81E-05	1.18E-02	7.78E-05	1.04E-04	1.21E-02	9.32E-05	2.35E-08	1.04E-06	2.84E-06	9.71E-05
768	490736.72	3860385.12	2.06E-04	2.80E-08	1.04E-06	2.79E-06	2.10E-04	9.74E-05	1.15E-02	7.83E-05	1.02E-04	1.18E-02	9.26E-05	2.29E-08	1.04E-06	2.79E-06	9.64E-05
769	490786.72	3860385.12	2.05E-04	2.73E-08	1.05E-06	2.74E-06	2.09E-04	9.67E-05	1.13E-02	7.86E-05	1.00E-04	1.15E-02	9.19E-05	2.24E-08	1.05E-06	2.74E-06	9.57E-05
770	490136.72	3860435.12	2.03E-04	3.75E-08	9.31E-07	3.31E-06	2.08E-04	9.59E-05	1.54E-02	6.98E-05	1.21E-04	1.57E-02	9.12E-05	3.07E-08	9.31E-07	3.31E-06	9.55E-05
771	490186.72	3860435.12	2.05E-04	3.62E-08	9.35E-07	3.24E-06	2.09E-04	9.65E-05	1.49E-02	7.01E-05	1.19E-04	1.52E-02	9.18E-05	2.97E-08	9.35E-07	3.24E-06	9.60E-05
772	490236.72	3860435.12	2.06E-04	3.51E-08	9.38E-07	3.17E-06	2.10E-04	9.70E-05	1.45E-02	7.04E-05	1.16E-04	1.48E-02	9.22E-05	2.88E-08	9.38E-07	3.17E-06	9.63E-05
773	490286.72	3860435.12	2.06E-04	3.41E-08	9.41E-07	3.11E-06	2.10E-04	9.74E-05	1.40E-02	7.06E-05	1.14E-04	1.43E-02	9.26E-05	2.80E-08	9.41E-07	3.11E-06	9.67E-05
774	490336.72	3860435.12	2.07E-04	3.31E-08	9.47E-07	3.05E-06	2.11E-04	9.76E-05	1.36E-02	7.10E-05	1.12E-04	1.39E-02	9.28E-05	2.72E-08	9.47E-07	3.05E-06	9.68E-05
775	490386.72	3860435.12	2.07E-04	3.22E-08	9.53E-07	2.99E-06	2.11E-04	9.78E-05	1.33E-02	7.15E-05	1.10E-04	1.35E-02	9.30E-05	2.64E-08	9.53E-07	2.99E-06	9.70E-05
776	490436.72	3860435.12	2.08E-04	3.13E-08	9.61E-07	2.93E-06	2.11E-04	9.79E-05	1.29E-02	7.21E-05	1.07E-04	1.32E-02	9.31E-05	2.57E-08	9.61E-07	2.93E-06	9.70E-05
777	490486.72	3860435.12	2.07E-04	3.05E-08	9.70E-07	2.87E-06	2.11E-04	9.79E-05	1.26E-02	7.28E-05	1.05E-04	1.28E-02	9.31E-05	2.50E-08	9.70E-07	2.87E-06	9.69E-05
778	490536.72	3860435.12	2.07E-04	2.98E-08	9.81E-07	2.82E-06	2.11E-04	9.77E-05	1.23E-02	7.35E-05	1.03E-04	1.25E-02	9.29E-05	2.44E-08	9.81E-07	2.82E-06	9.68E-05
779	490586.72	3860435.12	2.07E-04	2.90E-08	9.91E-07	2.77E-06	2.10E-04	9.74E-05	1.20E-02	7.43E-05	1.01E-04	1.22E-02	9.27E-05	2.38E-08	9.91E-07	2.77E-06	9.64E-05
780	490636.72	3860435.12	2.06E-04	2.83E-08	1.00E-06	2.72E-06	2.09E-04	9.70E-05	1.17E-02	7.50E-05	9.96E-05	1.19E-02	9.23E-05	2.33E-08	1.00E-06	2.72E-06	9.60E-05
781	490686.72	3860435.12	2.05E-04	2.77E-08	1.01E-06	2.67E-06	2.09E-04	9.66E-05	1.14E-02	7.57E-05	9.79E-05	1.17E-02	9.18E-05	2.27E-08	1.01E-06	2.67E-06	9.56E-05
782	490736.72	3860435.12	2.04E-04	2.71E-08	1.02E-06	2.63E-06	2.07E-04	9.61E-05	1.12E-02	7.64E-05	9.63E-05	1.14E-02	9.14E-05	2.22E-08	1.02E-06	2.63E-06	9.50E-05
783	490786.72	3860435.12	2.02E-04	2.65E-08	1.02E-06	2.58E-06	2.06E-04	9.54E-05	1.09E-02	7.68E-05	9.46E-05	1.12E-02	9.08E-05	2.17E-08	1.02E-06	2.58E-06	9.44E-05
784	490136.72	3860485.12	1.98E-04	3.59E-08	9.17E-07	3.05E-06	2.02E-04	9.35E-05	1.48E-02	6.88E-05	1.12E-04	1.51E-02	8.89E-05	2.94E-08	9.17E-07	3.05E-06	9.29E-05
785	490186.72	3860485.12	1.99E-04	3.47E-08	9.19E-07	2.99E-06	2.03E-04	9.40E-05	1.43E-02	6.89E-05	1.09E-04	1.46E-02	8.94E-05	2.85E-08	9.19E-07	2.99E-06	9.33E-05
786	490236.72	3860485.12	2.00E-04	3.37E-08	9.19E-07	2.93E-06	2.04E-04	9.45E-05	1.39E-02	6.90E-05	1.07E-04	1.41E-02	8.98E-05	2.76E-08	9.19E-07	2.93E-06	9.37E-05
787	490286.72	3860485.12	2.01E-04	3.27E-08	9.23E-07	2.88E-06	2.05E-04	9.49E-05	1.35E-02	6.92E-05	1.05E-04	1.37E-02	9.03E-05	2.68E-08	9.23E-07	2.88E-06	9.41E-05
788	490336.72	3860485.12	2.02E-04	3.18E-08	9.25E-07	2.82E-06	2.06E-04	9.53E-05	1.31E-02	6.94E-05	1.03E-04	1.34E-02	9.06E-05	2.61E-08	9.25E-07	2.82E-06	9.44E-05
789	490386.72	3860485.12	2.03E-04	3.09E-08	9.30E-07	2.77E-06	2.06E-04	9.56E-05	1.27E-02	6.98E-05	1.02E-04	1.30E-02	9.09E-05	2.54E-08	9.30E-07	2.77E-06	9.46E-05

790	490436.72	3860485.12	2.03E-04	3.01E-08	9.38E-07	2.73E-06	2.07E-04	9.59E-05	1.24E-02	7.04E-05	1.00E-04	1.27E-02	9.12E-05	2.47E-08	9.38E-07	2.73E-06	9.49E-05
791	490486.72	3860485.12	2.03E-04	2.94E-08	9.45E-07	2.68E-06	2.07E-04	9.59E-05	1.21E-02	7.09E-05	9.81E-05	1.24E-02	9.12E-05	2.41E-08	9.45E-07	2.68E-06	9.48E-05
792	490536.72	3860485.12	2.03E-04	2.86E-08	9.53E-07	2.63E-06	2.07E-04	9.58E-05	1.18E-02	7.14E-05	9.64E-05	1.21E-02	9.11E-05	2.35E-08	9.53E-07	2.63E-06	9.47E-05
793	490586.72	3860485.12	2.03E-04	2.80E-08	9.62E-07	2.58E-06	2.06E-04	9.57E-05	1.15E-02	7.21E-05	9.47E-05	1.18E-02	9.10E-05	2.29E-08	9.62E-07	2.58E-06	9.45E-05
794	490636.72	3860485.12	2.02E-04	2.73E-08	9.72E-07	2.54E-06	2.06E-04	9.54E-05	1.13E-02	7.29E-05	9.32E-05	1.15E-02	9.08E-05	2.24E-08	9.72E-07	2.54E-06	9.43E-05
795	490686.72	3860485.12	2.02E-04	2.67E-08	9.81E-07	2.50E-06	2.05E-04	9.50E-05	1.10E-02	7.35E-05	9.17E-05	1.13E-02	9.04E-05	2.19E-08	9.81E-07	2.50E-06	9.39E-05
796	490736.72	3860485.12	2.01E-04	2.61E-08	9.90E-07	2.46E-06	2.04E-04	9.46E-05	1.08E-02	7.42E-05	9.03E-05	1.10E-02	9.00E-05	2.14E-08	9.90E-07	2.46E-06	9.35E-05
797	490786.72	3860485.12	2.00E-04	2.56E-08	9.98E-07	2.43E-06	2.03E-04	9.41E-05	1.05E-02	7.49E-05	8.89E-05	1.08E-02	8.95E-05	2.10E-08	9.98E-07	2.43E-06	9.30E-05
798	490136.72	3860535.12	1.93E-04	3.41E-08	9.01E-07	2.80E-06	1.97E-04	9.11E-05	1.41E-02	6.76E-05	1.03E-04	1.43E-02	8.67E-05	2.80E-08	9.01E-07	2.80E-06	9.04E-05
799	490186.72	3860535.12	1.95E-04	3.31E-08	9.06E-07	2.75E-06	1.98E-04	9.18E-05	1.36E-02	6.79E-05	1.01E-04	1.39E-02	8.73E-05	2.72E-08	9.06E-07	2.75E-06	9.10E-05
800	490236.72	3860535.12	1.95E-04	3.21E-08	9.04E-07	2.71E-06	1.99E-04	9.21E-05	1.32E-02	6.78E-05	9.92E-05	1.35E-02	8.76E-05	2.64E-08	9.04E-07	2.71E-06	9.12E-05
801	490286.72	3860535.12	1.96E-04	3.12E-08	9.05E-07	2.66E-06	2.00E-04	9.25E-05	1.29E-02	6.79E-05	9.74E-05	1.31E-02	8.80E-05	2.56E-08	9.05E-07	2.66E-06	9.15E-05
802	490336.72	3860535.12	1.97E-04	3.04E-08	9.07E-07	2.61E-06	2.01E-04	9.29E-05	1.25E-02	6.81E-05	9.58E-05	1.28E-02	8.84E-05	2.49E-08	9.07E-07	2.61E-06	9.19E-05
803	490386.72	3860535.12	1.98E-04	2.96E-08	9.12E-07	2.57E-06	2.01E-04	9.34E-05	1.22E-02	6.84E-05	9.43E-05	1.25E-02	8.88E-05	2.43E-08	9.12E-07	2.57E-06	9.23E-05
804	490436.72	3860535.12	1.99E-04	2.89E-08	9.17E-07	2.53E-06	2.02E-04	9.37E-05	1.19E-02	6.88E-05	9.29E-05	1.21E-02	8.91E-05	2.37E-08	9.17E-07	2.53E-06	9.26E-05
805	490486.72	3860535.12	1.99E-04	2.82E-08	9.23E-07	2.49E-06	2.03E-04	9.40E-05	1.16E-02	6.92E-05	9.14E-05	1.19E-02	8.93E-05	2.31E-08	9.23E-07	2.49E-06	9.28E-05
806	490536.72	3860535.12	2.00E-04	2.75E-08	9.34E-07	2.46E-06	2.03E-04	9.43E-05	1.13E-02	7.00E-05	9.03E-05	1.16E-02	8.97E-05	2.26E-08	9.34E-07	2.46E-06	9.31E-05
807	490586.72	3860535.12	1.99E-04	2.69E-08	9.37E-07	2.41E-06	2.03E-04	9.39E-05	1.11E-02	7.03E-05	8.84E-05	1.13E-02	8.93E-05	2.20E-08	9.37E-07	2.41E-06	9.27E-05
808	490636.72	3860535.12	1.99E-04	2.63E-08	9.45E-07	2.37E-06	2.02E-04	9.37E-05	1.08E-02	7.09E-05	8.70E-05	1.11E-02	8.91E-05	2.15E-08	9.45E-07	2.37E-06	9.25E-05
809	490686.72	3860535.12	1.98E-04	2.57E-08	9.54E-07	2.34E-06	2.02E-04	9.35E-05	1.06E-02	7.16E-05	8.58E-05	1.08E-02	8.89E-05	2.11E-08	9.54E-07	2.34E-06	9.22E-05
810	490736.72	3860535.12	1.98E-04	2.51E-08	9.63E-07	2.30E-06	2.01E-04	9.32E-05	1.04E-02	7.22E-05	8.45E-05	1.06E-02	8.86E-05	2.06E-08	9.63E-07	2.30E-06	9.19E-05
811	490786.72	3860535.12	1.97E-04	2.46E-08	9.72E-07	2.27E-06	2.00E-04	9.28E-05	1.01E-02	7.29E-05	8.34E-05	1.04E-02	8.82E-05	2.02E-08	9.72E-07	2.27E-06	9.15E-05
812	490136.72	3860585.12	1.89E-04	3.23E-08	8.90E-07	2.58E-06	1.92E-04	8.90E-05	1.33E-02	6.67E-05	9.48E-05	1.36E-02	8.47E-05	2.65E-08	8.90E-07	2.58E-06	8.82E-05
813	490186.72	3860585.12	1.89E-04	3.13E-08	8.84E-07	2.53E-06	1.92E-04	8.90E-05	1.29E-02	6.63E-05	9.27E-05	1.32E-02	8.46E-05	2.57E-08	8.84E-07	2.53E-06	8.81E-05
814	490236.72	3860585.12	1.90E-04	3.05E-08	8.88E-07	2.49E-06	1.93E-04	8.96E-05	1.26E-02	6.66E-05	9.14E-05	1.28E-02	8.52E-05	2.50E-08	8.88E-07	2.49E-06	8.86E-05
815	490286.72	3860585.12	1.91E-04	2.97E-08	8.90E-07	2.46E-06	1.95E-04	9.02E-05	1.22E-02	6.67E-05	9.00E-05	1.25E-02	8.57E-05	2.44E-08	8.90E-07	2.46E-06	8.91E-05
816	490336.72	3860585.12	1.92E-04	2.89E-08	8.90E-07	2.42E-06	1.95E-04	9.06E-05	1.19E-02	6.68E-05	8.87E-05	1.22E-02	8.62E-05	2.37E-08	8.90E-07	2.42E-06	8.95E-05
817	490386.72	3860585.12	1.93E-04	2.82E-08	8.93E-07	2.38E-06	1.96E-04	9.10E-05	1.16E-02	6.70E-05	8.73E-05	1.19E-02	8.66E-05	2.32E-08	8.93E-07	2.38E-06	8.99E-05
818	490436.72	3860585.12	1.94E-04	2.76E-08	9.00E-07	2.36E-06	1.98E-04	9.17E-05	1.14E-02	6.75E-05	8.64E-05	1.16E-02	8.72E-05	2.26E-08	9.00E-07	2.36E-06	9.05E-05
819	490486.72	3860585.12	1.96E-04	2.70E-08	9.07E-07	2.33E-06	1.99E-04	9.22E-05	1.11E-02	6.81E-05	8.54E-05	1.14E-02	8.77E-05	2.21E-08	9.07E-07	2.33E-06	9.09E-05
820	490536.72	3860585.12	1.96E-04	2.64E-08	9.12E-07	2.30E-06	1.99E-04	9.23E-05	1.09E-02	6.84E-05	8.42E-05	1.11E-02	8.78E-05	2.16E-08	9.12E-07	2.30E-06	9.10E-05
821	490586.72	3860585.12	1.95E-04	2.57E-08	9.12E-07	2.24E-06	1.98E-04	9.20E-05	1.06E-02	6.84E-05	8.23E-05	1.08E-02	8.74E-05	2.11E-08	9.12E-07	2.24E-06	9.06E-05
822	490636.72	3860585.12	1.95E-04	2.52E-08	9.20E-07	2.21E-06	1.98E-04	9.20E-05	1.04E-02	6.90E-05	8.12E-05	1.06E-02	8.75E-05	2.07E-08	9.20E-07	2.21E-06	9.06E-05
823	490686.72	3860585.12	1.95E-04	2.46E-08	9.29E-07	2.18E-06	1.98E-04	9.19E-05	1.02E-02	6.97E-05	8.01E-05	1.04E-02	8.73E-05	2.02E-08	9.29E-07	2.18E-06	9.05E-05
824	490736.72	3860585.12	1.94E-04	2.41E-08	9.37E-07	2.16E-06	1.97E-04	9.16E-05	9.95E-03	7.03E-05	7.91E-05	1.02E-02	8.71E-05	1.98E-08	9.37E-07	2.16E-06	9.02E-05
825	490786.72	3860585.12	1.94E-04	2.37E-08	9.46E-07	2.13E-06	1.97E-04	9.13E-05	9.75E-03	7.09E-05	7.80E-05	9.99E-03	8.68E-05	1.94E-08	9.46E-07	2.13E-06	8.99E-05
826	490136.72	3860635.12	1.85E-04	3.04E-08	8.81E-07	2.38E-06	1.88E-04	8.72E-05	1.25E-02	6.61E-05	8.73E-05	1.28E-02	8.29E-05	2.50E-08	8.81E-07	2.38E-06	8.62E-05
827	490186.72	3860635.12	1.85E-04	2.96E-08	8.78E-07	2.35E-06	1.88E-04	8.73E-05	1.22E-02	6.58E-05	8.60E-05	1.24E-02	8.30E-05	2.43E-08	8.78E-07	2.35E-06	8.63E-05
828	490236.72	3860635.12	1.85E-04	2.88E-08	8.74E-07	2.30E-06	1.88E-04	8.74E-05	1.19E-02	6.56E-05	8.44E-05	1.21E-02	8.31E-05	2.37E-08	8.74E-07	2.30E-06	8.63E-05
829	490286.72	3860635.12	1.86E-04	2.81E-08	8.74E-07	2.27E-06	1.89E-04	8.78E-05	1.16E-02	6.56E-05	8.31E-05	1.18E-02	8.35E-05	2.31E-08	8.74E-07	2.27E-06	8.67E-05
830	490336.72	3860635.12	1.87E-04	2.74E-08	8.76E-07	2.24E-06	1.90E-04	8.83E-05	1.13E-02	6.57E-05	8.20E-05	1.15E-02	8.40E-05	2.25E-08	8.76E-07	2.24E-06	8.71E-05
831	490386.72	3860635.12	1.88E-04	2.68E-08	8.77E-07	2.21E-06	1.91E-04	8.88E-05	1.10E-02	6.58E-05	8.10E-05	1.13E-02	8.44E-05	2.20E-08	8.77E-07	2.21E-06	8.75E-05
832	490436.72	3860635.12	1.89E-04	2.62E-08	8.79E-07	2.18E-06	1.92E-04	8.92E-05	1.08E-02	6.59E-05	7.98E-05	1.10E-02	8.48E-05	2.15E-08	8.79E-07	2.18E-06	8.79E-05
833	490486.72	3860635.12	1.90E-04	2.56E-08	8.82E-07	2.15E-06	1.93E-04	8.96E-05	1.06E-02	6.61E-05	7.89E-05	1.08E-02	8.52E-05	2.10E-08	8.82E-07	2.15E-06	8.82E-05
834	490536.72	3860635.12	1.91E-04	2.51E-08	8.88E-07	2.13E-06	1.94E-04	9.00E-05	1.03E-02	6.66E-05	7.81E-05	1.06E-02	8.56E-05	2.06E-08	8.88E-07	2.13E-06	8.86E-05
835	490586.72	3860635.12	1.91E-04	2.46E-08	8.91E-07	2.10E-06	1.94E-04	9.01E-05	1.01E-02	6.68E-05	7.69E-05	1.04E-02	8.56E-05	2.02E-08	8.91E-07	2.10E-06	8.86E-05
836	490636.72	3860635.12	1.91E-04	2.41E-08	8.98E-07	2.07E-06	1.94E-04	9.02E-05	9.92E-03	6.74E-05	7.59E-05	1.02E-02	8.58E-05	1.98E-08	8.98E-07	2.07E-06	8.87E-05
837	490686.72	3860635.12	1.91E-04	2.36E-08	9.05E-07	2.04E-06	1.94E-04	9.02E-05	9.72E-03	6.79E-05	7.50E-05	9.96E-03	8.58E-05	1.94E-08	9.05E-07	2.04E-06	8.87E-05
838	490736.72	3860635.12	1.91E-04	2.31E-08	9.12E-07	2.02E-06	1.94E-04	9.00E-05	9.53E-03	6.84E-05	7.39E-05	9.76E-03	8.56E-05	1.90E-08	9.12E-07	2.02E-06	8.85E-05
839	490786.72	3860635.12	1.90E-04	2.27E-08	9.20E-07	1.99E-06	1.93E-04	8.98E-05	9.35E-03	6.90E-05	7.31E-05	9.58E-03	8.54E-05	1.86E-08	9.20E-07	1.99E-06	8.83E-05
840	490136.72	3860685.12	1.80E-04	2.86E-08	8.64E-07	2.20E-06	1.83E-04	8.50E-05	1.18E-02	6.48E-05	8.05E-05	1.20E-02	8.08E-05	2.34E-08	8.64E-07	2.20E-06	8.39E-05
841	490186.72	3860685.12	1.82E-04	2.79E-08	8.73E-07	2.16E-06	1.85E-04	8.57E-05	1.15E-02	6.54E-05	7.93E-05	1.17E-02	8.15E-05	2.29E-08	8.73E-07	2.16E-06	8.46E-05
842	490236.72	3860685.12	1.82E-04	2.72E-08	8.67E-07	2.14E-06	1.85E-04	8.56E-05	1.12E-02	6.50E-05	7.84E-05	1.14E-02	8.14E-05	2.23E-08	8.67E-07	2.14E-06	8.45E-05
843	490286.72	3860685.12	1.81E-04	2.65E-08	8.60E-07	2.09E-06	1.84E-04	8.55E-05	1.09E-02	6.45E-05	7.67E-05	1.12E-02	8.13E-05	2.18E-08	8.60E-07	2.09E-06	8.43E-05
844	490336.72	3860685.12	1.83E-04	2.60E-08	8.62E-07	2.07E-06	1.86E-04	8.61E-05	1.07E-02	6.47E-05	7.59E-05	1.09E-02	8.19E-05	2.13E-08	8.62E-07	2.07E-06	8.49E-05
845	490386.72	3860685.12	1.84E-04	2.54E-08	8.63E-07	2.05E-06	1.87E-04	8.66E-05	1.05E-02	6.47E-05	7.50E-05	1.07E-02	8.23E-05	2.09E-08	8.63E-07	2.05E-06	8.53E-05
846	490436.72	3860685.12	1.84E-04	2.49E-08	8.63E-07	2.02E-06	1.87E-04	8.69E-05	1.02E-02	6.47E-05	7.40E-05	1.05E-02	8.27E-05	2.04E-08	8.63E-07	2.02E-06	8.56E-05
847	490486.72	3860685.12	1.85E-04	2.43E-08	8.63E-07	1.99E-06	1.88E-04	8.73E-05	1.00E-02	6.47E-05	7.31E-05	1.03E-02	8.30E-05	2.00E-08	8.63E-07	1.99E-06	8.59E-05
848	490536.72	3860685.12	1.86E-04	2.39E-08	8.67E-07	1.97E-06	1.89E-04	8.77E-05	9.83E-03	6.50E-05	7.23E-05	1.01E-02	8.34E-05	1.96E-08	8.67E-07	1.97E-06	8.62E-05
849	490586.72	3860685.12	1.87E-04	2.34E-08	8.71E-07	1.95E-06	1.89E-04	8.80E-05	9.64E-03	6.53E-05	7.16E-05	9.87E-03	8.37E-05	1.92E-08	8.71E-07	1.95E-06	8.65E-05
850	490636.72	3860685.12	1.87E-04	2.30E-08	8.77E-07	1.93E-06	1.90E-04	8.83E-05	9.46E-03	6.58E-05	7.09E-05	9.69E-03	8.39E-05	1.88E-08	8.77E-07	1.93E-06	8.68E-05

851	490686.72	3860685.12	1.88E-04	2.26E-08	8.84E-07	1.91E-06	1.90E-04	8.85E-05	9.29E-03	6.63E-05	7.02E-05	9.52E-03	8.41E-05	1.85E-08	8.84E-07	1.91E-06	8.69E-05
852	490736.72	3860685.12	1.87E-04	2.21E-08	8.90E-07	1.89E-06	1.90E-04	8.84E-05	9.12E-03	6.68E-05	6.94E-05	9.34E-03	8.41E-05	1.82E-08	8.90E-07	1.89E-06	8.69E-05
853	490786.72	3860685.12	1.88E-04	2.18E-08	8.99E-07	1.88E-06	1.90E-04	8.84E-05	8.97E-03	6.74E-05	6.88E-05	9.19E-03	8.41E-05	1.79E-08	8.99E-07	1.88E-06	8.69E-05
854	490136.72	3860735.12	1.75E-04	2.66E-08	8.42E-07	2.01E-06	1.78E-04	8.26E-05	1.10E-02	6.31E-05	7.37E-05	1.12E-02	7.85E-05	2.19E-08	8.42E-07	2.01E-06	8.14E-05
855	490186.72	3860735.12	1.75E-04	2.60E-08	8.44E-07	1.98E-06	1.78E-04	8.28E-05	1.07E-02	6.33E-05	7.26E-05	1.09E-02	7.87E-05	2.14E-08	8.44E-07	1.98E-06	8.15E-05
856	490236.72	3860735.12	1.76E-04	2.55E-08	8.45E-07	1.95E-06	1.79E-04	8.31E-05	1.05E-02	6.34E-05	7.16E-05	1.07E-02	7.90E-05	2.09E-08	8.45E-07	1.95E-06	8.18E-05
857	490286.72	3860735.12	1.77E-04	2.50E-08	8.47E-07	1.93E-06	1.80E-04	8.34E-05	1.03E-02	6.35E-05	7.08E-05	1.05E-02	7.93E-05	2.05E-08	8.47E-07	1.93E-06	8.21E-05
858	490336.72	3860735.12	1.78E-04	2.45E-08	8.48E-07	1.91E-06	1.81E-04	8.39E-05	1.01E-02	6.36E-05	7.00E-05	1.03E-02	7.97E-05	2.01E-08	8.48E-07	1.91E-06	8.25E-05
859	490386.72	3860735.12	1.79E-04	2.40E-08	8.49E-07	1.89E-06	1.82E-04	8.44E-05	9.89E-03	6.37E-05	6.94E-05	1.01E-02	8.02E-05	1.97E-08	8.49E-07	1.89E-06	8.30E-05
860	490436.72	3860735.12	1.80E-04	2.36E-08	8.53E-07	1.88E-06	1.83E-04	8.51E-05	9.72E-03	6.40E-05	6.90E-05	9.93E-03	8.09E-05	1.94E-08	8.53E-07	1.88E-06	8.37E-05
861	490486.72	3860735.12	1.81E-04	2.31E-08	8.51E-07	1.86E-06	1.84E-04	8.54E-05	9.52E-03	6.38E-05	6.82E-05	9.74E-03	8.12E-05	1.90E-08	8.51E-07	1.86E-06	8.39E-05
862	490536.72	3860735.12	1.81E-04	2.26E-08	8.50E-07	1.83E-06	1.84E-04	8.55E-05	9.33E-03	6.37E-05	6.72E-05	9.54E-03	8.13E-05	1.86E-08	8.50E-07	1.83E-06	8.40E-05
863	490586.72	3860735.12	1.82E-04	2.22E-08	8.52E-07	1.81E-06	1.85E-04	8.58E-05	9.15E-03	6.39E-05	6.65E-05	9.37E-03	8.16E-05	1.82E-08	8.52E-07	1.81E-06	8.43E-05
864	490636.72	3860735.12	1.83E-04	2.18E-08	8.56E-07	1.80E-06	1.85E-04	8.61E-05	8.99E-03	6.42E-05	6.59E-05	9.21E-03	8.19E-05	1.79E-08	8.56E-07	1.80E-06	8.46E-05
865	490686.72	3860735.12	1.83E-04	2.15E-08	8.62E-07	1.79E-06	1.86E-04	8.65E-05	8.85E-03	6.47E-05	6.55E-05	9.07E-03	8.22E-05	1.76E-08	8.62E-07	1.79E-06	8.49E-05
866	490736.72	3860735.12	1.84E-04	2.11E-08	8.70E-07	1.77E-06	1.87E-04	8.67E-05	8.71E-03	6.53E-05	6.50E-05	8.93E-03	8.25E-05	1.73E-08	8.70E-07	1.77E-06	8.52E-05
867	490136.72	3860785.12	1.71E-04	2.47E-08	8.23E-07	1.85E-06	1.73E-04	8.05E-05	1.02E-02	6.17E-05	6.77E-05	1.04E-02	7.65E-05	2.03E-08	8.23E-07	1.85E-06	7.92E-05
868	490186.72	3860785.12	1.71E-04	2.43E-08	8.28E-07	1.82E-06	1.74E-04	8.07E-05	1.00E-02	6.21E-05	6.69E-05	1.02E-02	7.67E-05	1.99E-08	8.28E-07	1.82E-06	7.94E-05
869	490236.72	3860785.12	1.72E-04	2.38E-08	8.31E-07	1.80E-06	1.74E-04	8.10E-05	9.82E-03	6.23E-05	6.61E-05	1.00E-02	7.70E-05	1.96E-08	8.31E-07	1.80E-06	7.96E-05
870	490286.72	3860785.12	1.72E-04	2.34E-08	8.33E-07	1.78E-06	1.75E-04	8.13E-05	9.64E-03	6.24E-05	6.54E-05	9.85E-03	7.73E-05	1.92E-08	8.33E-07	1.78E-06	7.99E-05
871	490336.72	3860785.12	1.73E-04	2.30E-08	8.33E-07	1.77E-06	1.76E-04	8.17E-05	9.47E-03	6.25E-05	6.47E-05	9.68E-03	7.77E-05	1.89E-08	8.33E-07	1.77E-06	8.03E-05
872	490386.72	3860785.12	1.74E-04	2.26E-08	8.36E-07	1.75E-06	1.77E-04	8.22E-05	9.32E-03	6.27E-05	6.43E-05	9.53E-03	7.82E-05	1.86E-08	8.36E-07	1.75E-06	8.08E-05
873	490436.72	3860785.12	1.75E-04	2.22E-08	8.36E-07	1.74E-06	1.78E-04	8.27E-05	9.15E-03	6.27E-05	6.37E-05	9.36E-03	7.86E-05	1.82E-08	8.36E-07	1.74E-06	8.12E-05
874	490486.72	3860785.12	1.77E-04	2.19E-08	8.38E-07	1.73E-06	1.79E-04	8.33E-05	9.01E-03	6.28E-05	6.33E-05	9.22E-03	7.92E-05	1.79E-08	8.38E-07	1.73E-06	8.17E-05
875	490536.72	3860785.12	1.77E-04	2.15E-08	8.37E-07	1.71E-06	1.80E-04	8.36E-05	8.85E-03	6.28E-05	6.26E-05	9.06E-03	7.95E-05	1.76E-08	8.37E-07	1.71E-06	8.20E-05
876	490586.72	3860785.12	1.78E-04	2.11E-08	8.36E-07	1.69E-06	1.80E-04	8.37E-05	8.68E-03	6.27E-05	6.19E-05	8.89E-03	7.96E-05	1.73E-08	8.36E-07	1.69E-06	8.21E-05
877	490636.72	3860785.12	1.78E-04	2.07E-08	8.38E-07	1.67E-06	1.81E-04	8.40E-05	8.53E-03	6.28E-05	6.13E-05	8.74E-03	7.99E-05	1.70E-08	8.38E-07	1.67E-06	8.24E-05
878	490686.72	3860785.12	1.79E-04	2.04E-08	8.42E-07	1.66E-06	1.81E-04	8.44E-05	8.40E-03	6.31E-05	6.09E-05	8.61E-03	8.03E-05	1.67E-08	8.42E-07	1.66E-06	8.28E-05
879	490736.72	3860785.12	1.80E-04	2.01E-08	8.48E-07	1.65E-06	1.82E-04	8.48E-05	8.28E-03	6.36E-05	6.06E-05	8.49E-03	8.06E-05	1.65E-08	8.48E-07	1.65E-06	8.31E-05
880	490086.72	3860835.12	1.67E-04	2.34E-08	7.98E-07	1.72E-06	1.69E-04	7.86E-05	9.62E-03	5.98E-05	6.31E-05	9.83E-03	7.47E-05	1.92E-08	7.98E-07	1.72E-06	7.72E-05
881	490136.72	3860835.12	1.67E-04	2.30E-08	8.08E-07	1.71E-06	1.70E-04	7.88E-05	9.49E-03	6.06E-05	6.26E-05	9.69E-03	7.49E-05	1.89E-08	8.08E-07	1.71E-06	7.74E-05
882	490186.72	3860835.12	1.67E-04	2.26E-08	8.13E-07	1.69E-06	1.70E-04	7.89E-05	9.33E-03	6.10E-05	6.19E-05	9.53E-03	7.50E-05	1.86E-08	8.13E-07	1.69E-06	7.75E-05
883	490236.72	3860835.12	1.68E-04	2.23E-08	8.16E-07	1.67E-06	1.70E-04	7.91E-05	9.17E-03	6.12E-05	6.12E-05	9.37E-03	7.52E-05	1.83E-08	8.16E-07	1.67E-06	7.77E-05
884	490286.72	3860835.12	1.68E-04	2.19E-08	8.19E-07	1.65E-06	1.71E-04	7.94E-05	9.03E-03	6.14E-05	6.07E-05	9.23E-03	7.55E-05	1.80E-08	8.19E-07	1.65E-06	7.80E-05
885	490336.72	3860835.12	1.69E-04	2.16E-08	8.20E-07	1.64E-06	1.71E-04	7.96E-05	8.88E-03	6.15E-05	6.00E-05	9.08E-03	7.57E-05	1.77E-08	8.20E-07	1.64E-06	7.82E-05
886	490386.72	3860835.12	1.70E-04	2.12E-08	8.21E-07	1.62E-06	1.72E-04	8.00E-05	8.74E-03	6.16E-05	5.95E-05	8.94E-03	7.61E-05	1.74E-08	8.21E-07	1.62E-06	7.85E-05
887	490436.72	3860835.12	1.71E-04	2.09E-08	8.22E-07	1.61E-06	1.73E-04	8.05E-05	8.62E-03	6.17E-05	5.91E-05	8.82E-03	7.66E-05	1.72E-08	8.22E-07	1.61E-06	7.90E-05
888	490486.72	3860835.12	1.72E-04	2.06E-08	8.23E-07	1.60E-06	1.74E-04	8.10E-05	8.49E-03	6.17E-05	5.86E-05	8.69E-03	7.70E-05	1.69E-08	8.23E-07	1.60E-06	7.95E-05
889	490536.72	3860835.12	1.73E-04	2.03E-08	8.23E-07	1.59E-06	1.75E-04	8.14E-05	8.36E-03	6.17E-05	5.82E-05	8.56E-03	7.74E-05	1.66E-08	8.23E-07	1.59E-06	7.99E-05
890	490586.72	3860835.12	1.73E-04	2.00E-08	8.22E-07	1.57E-06	1.76E-04	8.17E-05	8.22E-03	6.17E-05	5.77E-05	8.42E-03	7.77E-05	1.64E-08	8.22E-07	1.57E-06	8.01E-05
891	490636.72	3860835.12	1.74E-04	1.96E-08	8.22E-07	1.56E-06	1.76E-04	8.20E-05	8.09E-03	6.17E-05	5.72E-05	8.29E-03	7.80E-05	1.61E-08	8.22E-07	1.56E-06	8.04E-05
892	490686.72	3860835.12	1.75E-04	1.94E-08	8.25E-07	1.55E-06	1.77E-04	8.24E-05	7.98E-03	6.19E-05	5.69E-05	8.18E-03	7.84E-05	1.59E-08	8.25E-07	1.55E-06	8.08E-05
893	490736.72	3860835.12	1.76E-04	1.91E-08	8.30E-07	1.54E-06	1.78E-04	8.29E-05	7.87E-03	6.23E-05	5.66E-05	8.07E-03	7.88E-05	1.57E-08	8.30E-07	1.54E-06	8.12E-05
894	490086.72	3860885.12	1.63E-04	2.17E-08	7.81E-07	1.59E-06	1.66E-04	7.70E-05	8.92E-03	5.86E-05	5.83E-05	9.12E-03	7.32E-05	1.78E-08	7.81E-07	1.59E-06	7.56E-05
895	490136.72	3860885.12	1.63E-04	2.14E-08	7.91E-07	1.58E-06	1.66E-04	7.71E-05	8.81E-03	5.93E-05	5.79E-05	9.00E-03	7.33E-05	1.75E-08	7.91E-07	1.58E-06	7.57E-05
896	490186.72	3860885.12	1.64E-04	2.11E-08	7.98E-07	1.57E-06	1.66E-04	7.72E-05	8.68E-03	5.98E-05	5.74E-05	8.88E-03	7.34E-05	1.73E-08	7.98E-07	1.57E-06	7.58E-05
897	490236.72	3860885.12	1.64E-04	2.08E-08	8.03E-07	1.55E-06	1.66E-04	7.73E-05	8.57E-03	6.02E-05	5.69E-05	8.76E-03	7.35E-05	1.71E-08	8.03E-07	1.55E-06	7.59E-05
898	490286.72	3860885.12	1.64E-04	2.05E-08	8.06E-07	1.54E-06	1.67E-04	7.75E-05	8.45E-03	6.05E-05	5.64E-05	8.64E-03	7.37E-05	1.68E-08	8.06E-07	1.54E-06	7.61E-05
899	490336.72	3860885.12	1.65E-04	2.02E-08	8.07E-07	1.52E-06	1.67E-04	7.77E-05	8.32E-03	6.05E-05	5.59E-05	8.52E-03	7.39E-05	1.66E-08	8.07E-07	1.52E-06	7.63E-05
900	490386.72	3860885.12	1.66E-04	1.99E-08	8.09E-07	1.51E-06	1.68E-04	7.81E-05	8.21E-03	6.07E-05	5.55E-05	8.41E-03	7.43E-05	1.64E-08	8.09E-07	1.51E-06	7.66E-05
901	490436.72	3860885.12	1.67E-04	1.97E-08	8.10E-07	1.50E-06	1.69E-04	7.85E-05	8.11E-03	6.08E-05	5.51E-05	8.30E-03	7.47E-05	1.61E-08	8.10E-07	1.50E-06	7.70E-05
902	490486.72	3860885.12	1.67E-04	1.94E-08	8.10E-07	1.49E-06	1.70E-04	7.90E-05	8.00E-03	6.08E-05	5.47E-05	8.19E-03	7.51E-05	1.59E-08	8.10E-07	1.49E-06	7.74E-05
903	490536.72	3860885.12	1.68E-04	1.91E-08	8.10E-07	1.48E-06	1.71E-04	7.94E-05	7.89E-03	6.08E-05	5.43E-05	8.08E-03	7.55E-05	1.57E-08	8.10E-07	1.48E-06	7.78E-05
904	490586.72	3860885.12	1.69E-04	1.89E-08	8.10E-07	1.47E-06	1.71E-04	7.97E-05	7.77E-03	6.07E-05	5.38E-05	7.97E-03	7.58E-05	1.55E-08	8.10E-07	1.47E-06	7.81E-05
905	490636.72	3860885.12	1.70E-04	1.86E-08	8.09E-07	1.46E-06	1.72E-04	8.01E-05	7.66E-03	6.07E-05	5.35E-05	7.86E-03	7.61E-05	1.53E-08	8.09E-07	1.46E-06	7.84E-05
906	490686.72	3860885.12	1.71E-04	1.83E-08	8.10E-07	1.45E-06	1.73E-04	8.04E-05	7.56E-03	6.08E-05	5.31E-05	7.75E-03	7.65E-05	1.51E-08	8.10E-07	1.45E-06	7.88E-05
907	490736.72	3860885.12	1.71E-04	1.81E-08	8.12E-07	1.44E-06	1.74E-04	8.08E-05	7.46E-03	6.09E-05	5.28E-05	7.65E-03	7.68E-05	1.49E-08	8.12E-07	1.44E-06	7.91E-05
908	490086.72	3860935.12	1.60E-04	2.00E-08	7.61E-07	1.47E-06	1.62E-04	7.54E-05	8.26E-03	5.71E-05	5.38E-05	8.44E-03	7.17E-05	1.64E-08	7.61E-07	1.47E-06	7.40E-05
909	490136.72	3860935.12	1.60E-04	1.98E-08	7.71E-07	1.46E-06	1.62E-04	7.54E-05	8.16E-03	5.79E-05	5.35E-05	8.35E-03	7.17E-05	1.63E-08	7.71E-07	1.46E-06	7.39E-05
910	490186.72	3860935.12	1.60E-04	1.96E-08	7.81E-07	1.45E-06	1.62E-04	7.55E-05	8.08E-03	5.86E-05	5.32E-05	8.26E-03	7.18E-05	1.61E-08	7.81E-07	1.45E-06	7.41E-05
911	490236.72	3860935.12	1.60E-04	1.94E-08	7.88E-07	1.44E-06	1.63E-04	7.57E-05	7.99E-03	5.91E-05	5.29E-05	8.17E-03	7.19E-05	1.59E-08	7.88E-07	1.44E-06	7.42E-05

912	490286.72	3860935.12	1.61E-04	1.92E-08	7.93E-07	1.43E-06	1.63E-04	7.58E-05	7.90E-03	5.94E-05	5.26E-05	8.09E-03	7.21E-05	1.57E-08	7.93E-07	1.43E-06	7.44E-05
913	490336.72	3860935.12	1.61E-04	1.89E-08	7.95E-07	1.42E-06	1.63E-04	7.60E-05	7.80E-03	5.96E-05	5.22E-05	7.99E-03	7.23E-05	1.55E-08	7.95E-07	1.42E-06	7.45E-05
914	490386.72	3860935.12	1.62E-04	1.87E-08	7.97E-07	1.41E-06	1.64E-04	7.63E-05	7.71E-03	5.98E-05	5.19E-05	7.90E-03	7.26E-05	1.54E-08	7.97E-07	1.41E-06	7.48E-05
915	490436.72	3860935.12	1.63E-04	1.85E-08	7.99E-07	1.41E-06	1.65E-04	7.67E-05	7.62E-03	5.99E-05	5.15E-05	7.81E-03	7.29E-05	1.52E-08	7.99E-07	1.41E-06	7.51E-05
916	490486.72	3860935.12	1.63E-04	1.83E-08	7.99E-07	1.40E-06	1.66E-04	7.70E-05	7.53E-03	5.99E-05	5.12E-05	7.72E-03	7.32E-05	1.50E-08	7.99E-07	1.40E-06	7.55E-05
917	490536.72	3860935.12	1.64E-04	1.81E-08	7.99E-07	1.39E-06	1.66E-04	7.74E-05	7.44E-03	5.99E-05	5.08E-05	7.63E-03	7.36E-05	1.48E-08	7.99E-07	1.39E-06	7.58E-05
918	490586.72	3860935.12	1.65E-04	1.78E-08	7.98E-07	1.38E-06	1.67E-04	7.78E-05	7.34E-03	5.98E-05	5.05E-05	7.53E-03	7.40E-05	1.46E-08	7.98E-07	1.38E-06	7.62E-05
919	490636.72	3860935.12	1.66E-04	1.76E-08	7.97E-07	1.37E-06	1.68E-04	7.81E-05	7.25E-03	5.98E-05	5.01E-05	7.44E-03	7.43E-05	1.44E-08	7.97E-07	1.37E-06	7.65E-05
920	490686.72	3860935.12	1.66E-04	1.74E-08	7.97E-07	1.36E-06	1.69E-04	7.85E-05	7.16E-03	5.98E-05	4.98E-05	7.35E-03	7.47E-05	1.43E-08	7.97E-07	1.36E-06	7.68E-05
921	490736.72	3860935.12	1.67E-04	1.72E-08	7.98E-07	1.35E-06	1.69E-04	7.89E-05	7.07E-03	5.98E-05	4.95E-05	7.26E-03	7.50E-05	1.41E-08	7.98E-07	1.35E-06	7.72E-05
922	490786.72	3860935.12	1.68E-04	1.70E-08	8.00E-07	1.34E-06	1.70E-04	7.92E-05	6.99E-03	6.00E-05	4.93E-05	7.17E-03	7.53E-05	1.39E-08	8.00E-07	1.34E-06	7.75E-05
923	490836.72	3860935.12	1.69E-04	1.68E-08	8.05E-07	1.34E-06	1.71E-04	7.96E-05	6.91E-03	6.03E-05	4.91E-05	7.10E-03	7.57E-05	1.38E-08	8.05E-07	1.34E-06	7.79E-05
924	490086.72	3860985.12	1.57E-04	1.86E-08	7.42E-07	1.36E-06	1.59E-04	7.40E-05	7.66E-03	5.57E-05	4.99E-05	7.84E-03	7.04E-05	1.53E-08	7.42E-07	1.36E-06	7.25E-05
925	490136.72	3860985.12	1.57E-04	1.84E-08	7.55E-07	1.35E-06	1.59E-04	7.40E-05	7.59E-03	5.66E-05	4.97E-05	7.77E-03	7.04E-05	1.51E-08	7.55E-07	1.35E-06	7.25E-05
926	490186.72	3860985.12	1.57E-04	1.83E-08	7.66E-07	1.35E-06	1.59E-04	7.41E-05	7.53E-03	5.75E-05	4.95E-05	7.71E-03	7.05E-05	1.50E-08	7.66E-07	1.35E-06	7.26E-05
927	490236.72	3860985.12	1.57E-04	1.81E-08	7.73E-07	1.34E-06	1.59E-04	7.41E-05	7.45E-03	5.80E-05	4.93E-05	7.63E-03	7.05E-05	1.48E-08	7.73E-07	1.34E-06	7.26E-05
928	490286.72	3860985.12	1.57E-04	1.79E-08	7.78E-07	1.34E-06	1.59E-04	7.42E-05	7.38E-03	5.84E-05	4.90E-05	7.56E-03	7.06E-05	1.47E-08	7.78E-07	1.34E-06	7.27E-05
929	490336.72	3860985.12	1.58E-04	1.77E-08	7.82E-07	1.33E-06	1.60E-04	7.44E-05	7.30E-03	5.87E-05	4.88E-05	7.49E-03	7.07E-05	1.45E-08	7.82E-07	1.33E-06	7.28E-05
930	490386.72	3860985.12	1.58E-04	1.76E-08	7.85E-07	1.32E-06	1.60E-04	7.46E-05	7.23E-03	5.89E-05	4.85E-05	7.41E-03	7.09E-05	1.44E-08	7.85E-07	1.32E-06	7.31E-05
931	490436.72	3860985.12	1.59E-04	1.74E-08	7.88E-07	1.32E-06	1.61E-04	7.50E-05	7.17E-03	5.91E-05	4.83E-05	7.35E-03	7.13E-05	1.43E-08	7.88E-07	1.32E-06	7.34E-05
932	490486.72	3860985.12	1.60E-04	1.72E-08	7.88E-07	1.31E-06	1.62E-04	7.52E-05	7.09E-03	5.91E-05	4.80E-05	7.27E-03	7.15E-05	1.41E-08	7.88E-07	1.31E-06	7.37E-05
933	490536.72	3860985.12	1.60E-04	1.70E-08	7.88E-07	1.30E-06	1.62E-04	7.55E-05	7.01E-03	5.91E-05	4.77E-05	7.19E-03	7.18E-05	1.40E-08	7.88E-07	1.30E-06	7.39E-05
934	490586.72	3860985.12	1.61E-04	1.68E-08	7.87E-07	1.29E-06	1.63E-04	7.59E-05	6.93E-03	5.90E-05	4.74E-05	7.11E-03	7.22E-05	1.38E-08	7.87E-07	1.29E-06	7.43E-05
935	490636.72	3860985.12	1.62E-04	1.66E-08	7.86E-07	1.29E-06	1.64E-04	7.63E-05	6.86E-03	5.89E-05	4.71E-05	7.04E-03	7.25E-05	1.37E-08	7.86E-07	1.29E-06	7.46E-05
936	490686.72	3860985.12	1.63E-04	1.64E-08	7.86E-07	1.28E-06	1.65E-04	7.66E-05	6.78E-03	5.89E-05	4.69E-05	6.96E-03	7.29E-05	1.35E-08	7.86E-07	1.28E-06	7.50E-05
937	490736.72	3860985.12	1.63E-04	1.63E-08	7.85E-07	1.27E-06	1.65E-04	7.70E-05	6.70E-03	5.89E-05	4.66E-05	6.88E-03	7.32E-05	1.33E-08	7.85E-07	1.27E-06	7.53E-05
938	490786.72	3860985.12	1.64E-04	1.61E-08	7.87E-07	1.26E-06	1.66E-04	7.74E-05	6.63E-03	5.90E-05	4.64E-05	6.81E-03	7.36E-05	1.32E-08	7.87E-07	1.26E-06	7.57E-05
939	490836.72	3860985.12	1.65E-04	1.59E-08	7.89E-07	1.26E-06	1.67E-04	7.78E-05	6.56E-03	5.92E-05	4.62E-05	6.74E-03	7.40E-05	1.31E-08	7.89E-07	1.26E-06	7.60E-05
940	490086.72	3861035.12	1.54E-04	1.72E-08	7.23E-07	1.26E-06	1.56E-04	7.26E-05	7.11E-03	5.42E-05	4.64E-05	7.28E-03	6.90E-05	1.42E-08	7.23E-07	1.26E-06	7.10E-05
941	490136.72	3861035.12	1.54E-04	1.71E-08	7.37E-07	1.26E-06	1.56E-04	7.26E-05	7.06E-03	5.53E-05	4.62E-05	7.23E-03	6.91E-05	1.41E-08	7.37E-07	1.26E-06	7.11E-05
942	490186.72	3861035.12	1.54E-04	1.70E-08	7.48E-07	1.26E-06	1.56E-04	7.26E-05	7.01E-03	5.61E-05	4.61E-05	7.18E-03	6.91E-05	1.40E-08	7.48E-07	1.26E-06	7.11E-05
943	490236.72	3861035.12	1.54E-04	1.69E-08	7.58E-07	1.25E-06	1.56E-04	7.27E-05	6.96E-03	5.68E-05	4.60E-05	7.13E-03	6.91E-05	1.39E-08	7.58E-07	1.25E-06	7.12E-05
944	490286.72	3861035.12	1.54E-04	1.67E-08	7.65E-07	1.25E-06	1.56E-04	7.27E-05	6.90E-03	5.73E-05	4.58E-05	7.07E-03	6.91E-05	1.37E-08	7.65E-07	1.25E-06	7.12E-05
945	490336.72	3861035.12	1.54E-04	1.66E-08	7.69E-07	1.24E-06	1.56E-04	7.28E-05	6.84E-03	5.77E-05	4.56E-05	7.01E-03	6.92E-05	1.36E-08	7.69E-07	1.24E-06	7.12E-05
946	490386.72	3861035.12	1.55E-04	1.65E-08	7.73E-07	1.24E-06	1.57E-04	7.30E-05	6.79E-03	5.80E-05	4.55E-05	6.97E-03	6.94E-05	1.35E-08	7.73E-07	1.24E-06	7.15E-05
947	490436.72	3861035.12	1.55E-04	1.64E-08	7.76E-07	1.24E-06	1.58E-04	7.33E-05	6.74E-03	5.82E-05	4.54E-05	6.92E-03	6.97E-05	1.34E-08	7.76E-07	1.24E-06	7.18E-05
948	490486.72	3861035.12	1.56E-04	1.62E-08	7.77E-07	1.23E-06	1.58E-04	7.36E-05	6.68E-03	5.83E-05	4.52E-05	6.86E-03	7.00E-05	1.33E-08	7.77E-07	1.23E-06	7.20E-05
949	490536.72	3861035.12	1.57E-04	1.61E-08	7.77E-07	1.23E-06	1.59E-04	7.38E-05	6.61E-03	5.83E-05	4.49E-05	6.79E-03	7.02E-05	1.32E-08	7.77E-07	1.23E-06	7.22E-05
950	490586.72	3861035.12	1.57E-04	1.59E-08	7.76E-07	1.22E-06	1.59E-04	7.41E-05	6.55E-03	5.82E-05	4.47E-05	6.72E-03	7.05E-05	1.30E-08	7.76E-07	1.22E-06	7.25E-05
951	490636.72	3861035.12	1.58E-04	1.57E-08	7.76E-07	1.21E-06	1.60E-04	7.45E-05	6.48E-03	5.82E-05	4.44E-05	6.65E-03	7.08E-05	1.29E-08	7.76E-07	1.21E-06	7.28E-05
952	490686.72	3861035.12	1.59E-04	1.56E-08	7.75E-07	1.20E-06	1.61E-04	7.48E-05	6.41E-03	5.81E-05	4.42E-05	6.59E-03	7.11E-05	1.28E-08	7.75E-07	1.20E-06	7.31E-05
953	490736.72	3861035.12	1.59E-04	1.54E-08	7.74E-07	1.20E-06	1.61E-04	7.52E-05	6.34E-03	5.80E-05	4.39E-05	6.52E-03	7.15E-05	1.26E-08	7.74E-07	1.20E-06	7.35E-05
954	490786.72	3861035.12	1.60E-04	1.53E-08	7.74E-07	1.19E-06	1.62E-04	7.56E-05	6.28E-03	5.80E-05	4.38E-05	6.46E-03	7.19E-05	1.25E-08	7.74E-07	1.19E-06	7.38E-05
955	490836.72	3861035.12	1.61E-04	1.51E-08	7.76E-07	1.19E-06	1.63E-04	7.60E-05	6.23E-03	5.82E-05	4.36E-05	6.40E-03	7.23E-05	1.24E-08	7.76E-07	1.19E-06	7.42E-05
956	490086.72	3861085.12	1.51E-04	1.60E-08	7.04E-07	1.18E-06	1.53E-04	7.13E-05	6.61E-03	5.28E-05	4.33E-05	6.77E-03	6.78E-05	1.32E-08	7.04E-07	1.18E-06	6.97E-05
957	490136.72	3861085.12	1.51E-04	1.60E-08	7.19E-07	1.18E-06	1.53E-04	7.14E-05	6.58E-03	5.40E-05	4.32E-05	6.75E-03	6.79E-05	1.31E-08	7.19E-07	1.18E-06	6.98E-05
958	490186.72	3861085.12	1.52E-04	1.59E-08	7.34E-07	1.18E-06	1.53E-04	7.15E-05	6.56E-03	5.50E-05	4.32E-05	6.73E-03	6.80E-05	1.31E-08	7.34E-07	1.18E-06	6.99E-05
959	490236.72	3861085.12	1.51E-04	1.58E-08	7.43E-07	1.17E-06	1.53E-04	7.14E-05	6.51E-03	5.57E-05	4.30E-05	6.68E-03	6.79E-05	1.30E-08	7.43E-07	1.17E-06	6.98E-05
960	490286.72	3861085.12	1.51E-04	1.57E-08	7.51E-07	1.17E-06	1.53E-04	7.14E-05	6.46E-03	5.63E-05	4.29E-05	6.63E-03	6.79E-05	1.29E-08	7.51E-07	1.17E-06	6.98E-05
961	490336.72	3861085.12	1.51E-04	1.56E-08	7.56E-07	1.17E-06	1.53E-04	7.14E-05	6.42E-03	5.67E-05	4.28E-05	6.59E-03	6.79E-05	1.28E-08	7.56E-07	1.17E-06	6.98E-05
962	490386.72	3861085.12	1.52E-04	1.55E-08	7.61E-07	1.17E-06	1.54E-04	7.16E-05	6.38E-03	5.71E-05	4.27E-05	6.55E-03	6.81E-05	1.27E-08	7.61E-07	1.17E-06	7.00E-05
963	490436.72	3861085.12	1.52E-04	1.54E-08	7.65E-07	1.16E-06	1.54E-04	7.17E-05	6.33E-03	5.73E-05	4.26E-05	6.51E-03	6.82E-05	1.26E-08	7.65E-07	1.16E-06	7.02E-05
964	490486.72	3861085.12	1.53E-04	1.53E-08	7.66E-07	1.16E-06	1.54E-04	7.19E-05	6.29E-03	5.75E-05	4.25E-05	6.46E-03	6.84E-05	1.25E-08	7.66E-07	1.16E-06	7.04E-05
965	490536.72	3861085.12	1.53E-04	1.52E-08	7.67E-07	1.15E-06	1.55E-04	7.22E-05	6.24E-03	5.75E-05	4.23E-05	6.41E-03	6.87E-05	1.24E-08	7.67E-07	1.15E-06	7.06E-05
966	490586.72	3861085.12	1.54E-04	1.50E-08	7.67E-07	1.15E-06	1.56E-04	7.25E-05	6.18E-03	5.75E-05	4.22E-05	6.36E-03	6.89E-05	1.23E-08	7.67E-07	1.15E-06	7.08E-05
967	490636.72	3861085.12	1.54E-04	1.49E-08	7.65E-07	1.14E-06	1.56E-04	7.27E-05	6.12E-03	5.74E-05	4.19E-05	6.29E-03	6.91E-05	1.22E-08	7.65E-07	1.14E-06	7.10E-05
968	490686.72	3861085.12	1.55E-04	1.47E-08	7.64E-07	1.14E-06	1.57E-04	7.30E-05	6.07E-03	5.73E-05	4.17E-05	6.24E-03	6.94E-05	1.21E-08	7.64E-07	1.14E-06	7.13E-05
969	490736.72	3861085.12	1.56E-04	1.46E-08	7.64E-07	1.13E-06	1.58E-04	7.34E-05	6.01E-03	5.73E-05	4.15E-05	6.18E-03	6.98E-05	1.20E-08	7.64E-07	1.13E-06	7.17E-05
970	490786.72	3861085.12	1.56E-04	1.45E-08	7.63E-07	1.13E-06	1.58E-04	7.38E-05	5.96E-03	5.72E-05	4.14E-05	6.13E-03	7.02E-05	1.19E-08	7.63E-07	1.13E-06	7.21E-05
971	490836.72	3861085.12	1.57E-04	1.43E-08	7.64E-07	1.12E-06	1.59E-04	7.42E-05	5.91E-03	5.73E-05	4.12E-05	6.08E-03	7.05E-05	1.18E-08	7.64E-07	1.12E-06	7.24E-05
972	490086.72	3861135.12	1.48E-04	1.49E-08	6.84E-07	1.11E-06	1.50E-04	7.00E-05	6.16E-03	5.13E-05	4.06E-05	6.32E-03	6.65E-05	1.23E-08	6.84E-07	1.11E-06	6.83E-05

973	490136.72	3861135.12	1.48E-04	1.49E-08	7.01E-07	1.10E-06	1.50E-04	7.00E-05	6.14E-03	5.26E-05	4.05E-05	6.30E-03	6.66E-05	1.22E-08	7.01E-07	1.10E-06	6.84E-05
974	490186.72	3861135.12	1.49E-04	1.49E-08	7.15E-07	1.10E-06	1.51E-04	7.01E-05	6.12E-03	5.36E-05	4.04E-05	6.28E-03	6.67E-05	1.22E-08	7.15E-07	1.10E-06	6.85E-05
975	490236.72	3861135.12	1.49E-04	1.48E-08	7.28E-07	1.10E-06	1.51E-04	7.02E-05	6.09E-03	5.46E-05	4.04E-05	6.26E-03	6.67E-05	1.21E-08	7.28E-07	1.10E-06	6.86E-05
976	490286.72	3861135.12	1.49E-04	1.47E-08	7.37E-07	1.10E-06	1.51E-04	7.02E-05	6.06E-03	5.53E-05	4.03E-05	6.23E-03	6.67E-05	1.21E-08	7.37E-07	1.10E-06	6.86E-05
977	490336.72	3861135.12	1.49E-04	1.46E-08	7.43E-07	1.10E-06	1.51E-04	7.01E-05	6.03E-03	5.57E-05	4.02E-05	6.19E-03	6.67E-05	1.20E-08	7.43E-07	1.10E-06	6.85E-05
978	490386.72	3861135.12	1.49E-04	1.46E-08	7.49E-07	1.10E-06	1.51E-04	7.02E-05	6.00E-03	5.62E-05	4.02E-05	6.16E-03	6.68E-05	1.19E-08	7.49E-07	1.10E-06	6.86E-05
979	490436.72	3861135.12	1.49E-04	1.45E-08	7.53E-07	1.09E-06	1.51E-04	7.03E-05	5.96E-03	5.64E-05	4.01E-05	6.13E-03	6.68E-05	1.19E-08	7.53E-07	1.09E-06	6.87E-05
980	490486.72	3861135.12	1.49E-04	1.44E-08	7.55E-07	1.09E-06	1.51E-04	7.05E-05	5.92E-03	5.66E-05	4.00E-05	6.09E-03	6.70E-05	1.18E-08	7.55E-07	1.09E-06	6.89E-05
981	490536.72	3861135.12	1.50E-04	1.43E-08	7.57E-07	1.09E-06	1.52E-04	7.07E-05	5.89E-03	5.68E-05	3.99E-05	6.05E-03	6.72E-05	1.17E-08	7.57E-07	1.09E-06	6.90E-05
982	490586.72	3861135.12	1.50E-04	1.42E-08	7.57E-07	1.09E-06	1.52E-04	7.09E-05	5.84E-03	5.68E-05	3.98E-05	6.01E-03	6.74E-05	1.16E-08	7.57E-07	1.09E-06	6.92E-05
983	490636.72	3861135.12	1.51E-04	1.41E-08	7.55E-07	1.08E-06	1.53E-04	7.11E-05	5.79E-03	5.66E-05	3.96E-05	5.96E-03	6.76E-05	1.15E-08	7.55E-07	1.08E-06	6.94E-05
984	490686.72	3861135.12	1.51E-04	1.39E-08	7.55E-07	1.08E-06	1.53E-04	7.14E-05	5.75E-03	5.66E-05	3.95E-05	5.91E-03	6.79E-05	1.14E-08	7.55E-07	1.08E-06	6.97E-05
985	490736.72	3861135.12	1.52E-04	1.38E-08	7.54E-07	1.07E-06	1.54E-04	7.17E-05	5.70E-03	5.66E-05	3.93E-05	5.87E-03	6.82E-05	1.14E-08	7.54E-07	1.07E-06	7.00E-05
986	490786.72	3861135.12	1.53E-04	1.37E-08	7.54E-07	1.07E-06	1.55E-04	7.21E-05	5.66E-03	5.65E-05	3.92E-05	5.83E-03	6.85E-05	1.13E-08	7.54E-07	1.07E-06	7.04E-05
987	490836.72	3861135.12	1.54E-04	1.36E-08	7.53E-07	1.07E-06	1.55E-04	7.25E-05	5.61E-03	5.64E-05	3.91E-05	5.78E-03	6.89E-05	1.12E-08	7.53E-07	1.07E-06	7.07E-05
988	490086.72	3861185.12	1.46E-04	1.40E-08	6.64E-07	1.04E-06	1.47E-04	6.87E-05	5.75E-03	4.98E-05	3.82E-05	5.91E-03	6.53E-05	1.15E-08	6.64E-07	1.04E-06	6.70E-05
989	490136.72	3861185.12	1.46E-04	1.39E-08	6.80E-07	1.04E-06	1.47E-04	6.87E-05	5.73E-03	5.10E-05	3.80E-05	5.89E-03	6.53E-05	1.14E-08	6.80E-07	1.04E-06	6.70E-05
990	490186.72	3861185.12	1.46E-04	1.39E-08	6.97E-07	1.04E-06	1.47E-04	6.87E-05	5.71E-03	5.22E-05	3.80E-05	5.87E-03	6.53E-05	1.14E-08	6.97E-07	1.04E-06	6.71E-05
991	490236.72	3861185.12	1.46E-04	1.38E-08	7.09E-07	1.04E-06	1.48E-04	6.88E-05	5.70E-03	5.32E-05	3.80E-05	5.86E-03	6.54E-05	1.14E-08	7.09E-07	1.04E-06	6.72E-05
992	490286.72	3861185.12	1.46E-04	1.38E-08	7.21E-07	1.04E-06	1.48E-04	6.89E-05	5.69E-03	5.41E-05	3.80E-05	5.85E-03	6.55E-05	1.13E-08	7.21E-07	1.04E-06	6.73E-05
993	490336.72	3861185.12	1.46E-04	1.37E-08	7.29E-07	1.03E-06	1.48E-04	6.88E-05	5.65E-03	5.47E-05	3.78E-05	5.81E-03	6.54E-05	1.13E-08	7.29E-07	1.03E-06	6.71E-05
994	490386.72	3861185.12	1.46E-04	1.37E-08	7.35E-07	1.03E-06	1.48E-04	6.88E-05	5.63E-03	5.51E-05	3.78E-05	5.79E-03	6.54E-05	1.12E-08	7.35E-07	1.03E-06	6.72E-05
995	490436.72	3861185.12	1.46E-04	1.36E-08	7.41E-07	1.03E-06	1.48E-04	6.90E-05	5.61E-03	5.56E-05	3.78E-05	5.77E-03	6.56E-05	1.12E-08	7.41E-07	1.03E-06	6.74E-05
996	490486.72	3861185.12	1.46E-04	1.35E-08	7.44E-07	1.03E-06	1.48E-04	6.90E-05	5.58E-03	5.58E-05	3.78E-05	5.74E-03	6.56E-05	1.11E-08	7.44E-07	1.03E-06	6.74E-05
997	490536.72	3861185.12	1.47E-04	1.35E-08	7.48E-07	1.03E-06	1.49E-04	6.93E-05	5.56E-03	5.61E-05	3.78E-05	5.73E-03	6.59E-05	1.11E-08	7.48E-07	1.03E-06	6.77E-05
998	490586.72	3861185.12	1.47E-04	1.34E-08	7.48E-07	1.03E-06	1.49E-04	6.94E-05	5.53E-03	5.61E-05	3.77E-05	5.69E-03	6.60E-05	1.10E-08	7.48E-07	1.03E-06	6.78E-05
999	490636.72	3861185.12	1.47E-04	1.33E-08	7.46E-07	1.02E-06	1.49E-04	6.95E-05	5.48E-03	5.59E-05	3.75E-05	5.64E-03	6.61E-05	1.09E-08	7.46E-07	1.02E-06	6.79E-05
1000	490686.72	3861185.12	1.48E-04	1.32E-08	7.45E-07	1.02E-06	1.50E-04	6.98E-05	5.44E-03	5.59E-05	3.74E-05	5.61E-03	6.63E-05	1.08E-08	7.45E-07	1.02E-06	6.81E-05
1001	490736.72	3861185.12	1.49E-04	1.31E-08	7.45E-07	1.02E-06	1.50E-04	7.01E-05	5.41E-03	5.59E-05	3.74E-05	5.57E-03	6.67E-05	1.08E-08	7.45E-07	1.02E-06	6.85E-05
1002	490786.72	3861185.12	1.49E-04	1.30E-08	7.45E-07	1.02E-06	1.51E-04	7.05E-05	5.38E-03	5.59E-05	3.73E-05	5.54E-03	6.70E-05	1.07E-08	7.45E-07	1.02E-06	6.88E-05
1003	490836.72	3861185.12	1.50E-04	1.30E-08	7.44E-07	1.01E-06	1.52E-04	7.08E-05	5.34E-03	5.58E-05	3.71E-05	5.50E-03	6.74E-05	1.06E-08	7.44E-07	1.01E-06	6.91E-05
1004	490086.72	3861235.12	1.43E-04	1.31E-08	6.44E-07	9.83E-07	1.45E-04	6.74E-05	5.39E-03	4.83E-05	3.60E-05	5.54E-03	6.41E-05	1.07E-08	6.44E-07	9.83E-07	6.57E-05
1005	490136.72	3861235.12	1.43E-04	1.30E-08	6.62E-07	9.80E-07	1.45E-04	6.74E-05	5.37E-03	4.96E-05	3.59E-05	5.53E-03	6.41E-05	1.07E-08	6.62E-07	9.80E-07	6.58E-05
1006	490186.72	3861235.12	1.43E-04	1.30E-08	6.78E-07	9.79E-07	1.45E-04	6.75E-05	5.36E-03	5.08E-05	3.59E-05	5.52E-03	6.42E-05	1.07E-08	6.78E-07	9.79E-07	6.59E-05
1007	490236.72	3861235.12	1.43E-04	1.30E-08	6.91E-07	9.76E-07	1.45E-04	6.75E-05	5.34E-03	5.19E-05	3.58E-05	5.50E-03	6.42E-05	1.06E-08	6.91E-07	9.76E-07	6.58E-05
1008	490386.72	3861235.12	1.43E-04	1.28E-08	7.21E-07	9.74E-07	1.45E-04	6.75E-05	5.29E-03	5.41E-05	3.57E-05	5.45E-03	6.42E-05	1.05E-08	7.21E-07	9.74E-07	6.59E-05
1009	490436.72	3861235.12	1.43E-04	1.28E-08	7.26E-07	9.73E-07	1.45E-04	6.75E-05	5.27E-03	5.45E-05	3.57E-05	5.43E-03	6.42E-05	1.05E-08	7.26E-07	9.73E-07	6.59E-05
1010	490486.72	3861235.12	1.43E-04	1.27E-08	7.31E-07	9.72E-07	1.45E-04	6.76E-05	5.25E-03	5.48E-05	3.56E-05	5.41E-03	6.43E-05	1.05E-08	7.31E-07	9.72E-07	6.60E-05
1011	490536.72	3861235.12	1.44E-04	1.27E-08	7.36E-07	9.75E-07	1.46E-04	6.79E-05	5.25E-03	5.52E-05	3.57E-05	5.41E-03	6.45E-05	1.05E-08	7.36E-07	9.75E-07	6.63E-05
1012	490586.72	3861235.12	1.44E-04	1.27E-08	7.39E-07	9.75E-07	1.46E-04	6.81E-05	5.23E-03	5.54E-05	3.57E-05	5.39E-03	6.48E-05	1.04E-08	7.39E-07	9.75E-07	6.65E-05
1013	490636.72	3861235.12	1.44E-04	1.26E-08	7.37E-07	9.70E-07	1.46E-04	6.80E-05	5.19E-03	5.52E-05	3.56E-05	5.35E-03	6.47E-05	1.03E-08	7.37E-07	9.70E-07	6.64E-05
1014	490686.72	3861235.12	1.45E-04	1.25E-08	7.37E-07	9.69E-07	1.46E-04	6.82E-05	5.16E-03	5.52E-05	3.55E-05	5.32E-03	6.49E-05	1.03E-08	7.37E-07	9.69E-07	6.66E-05
1015	490736.72	3861235.12	1.45E-04	1.25E-08	7.37E-07	9.67E-07	1.47E-04	6.86E-05	5.13E-03	5.52E-05	3.55E-05	5.29E-03	6.52E-05	1.02E-08	7.37E-07	9.67E-07	6.69E-05
1016	490786.72	3861235.12	1.46E-04	1.24E-08	7.37E-07	9.66E-07	1.48E-04	6.90E-05	5.11E-03	5.52E-05	3.54E-05	5.27E-03	6.56E-05	1.02E-08	7.37E-07	9.66E-07	6.73E-05
1017	490836.72	3861235.12	1.47E-04	1.23E-08	7.36E-07	9.64E-07	1.49E-04	6.93E-05	5.08E-03	5.52E-05	3.53E-05	5.24E-03	6.59E-05	1.01E-08	7.36E-07	9.64E-07	6.76E-05
1018	490086.72	3861285.12	1.40E-04	1.23E-08	6.25E-07	9.33E-07	1.42E-04	6.63E-05	5.08E-03	4.69E-05	3.42E-05	5.22E-03	6.30E-05	1.01E-08	6.25E-07	9.33E-07	6.46E-05
1019	490136.72	3861285.12	1.41E-04	1.23E-08	6.45E-07	9.32E-07	1.42E-04	6.64E-05	5.07E-03	4.83E-05	3.42E-05	5.22E-03	6.32E-05	1.01E-08	6.45E-07	9.32E-07	6.47E-05
1020	490186.72	3861285.12	1.41E-04	1.23E-08	6.60E-07	9.29E-07	1.42E-04	6.63E-05	5.05E-03	4.95E-05	3.41E-05	5.20E-03	6.31E-05	1.01E-08	6.60E-07	9.29E-07	6.47E-05
1021	490236.72	3861285.12	1.41E-04	1.22E-08	6.74E-07	9.27E-07	1.42E-04	6.63E-05	5.03E-03	5.06E-05	3.40E-05	5.18E-03	6.31E-05	1.00E-08	6.74E-07	9.27E-07	6.47E-05
1022	490386.72	3861285.12	1.41E-04	1.21E-08	7.07E-07	9.23E-07	1.42E-04	6.63E-05	4.99E-03	5.30E-05	3.38E-05	5.14E-03	6.30E-05	9.94E-09	7.07E-07	9.23E-07	6.47E-05
1023	490436.72	3861285.12	1.41E-04	1.21E-08	7.14E-07	9.23E-07	1.42E-04	6.63E-05	4.98E-03	5.36E-05	3.38E-05	5.13E-03	6.31E-05	9.92E-09	7.14E-07	9.23E-07	6.47E-05
1024	490486.72	3861285.12	1.41E-04	1.20E-08	7.19E-07	9.22E-07	1.42E-04	6.63E-05	4.96E-03	5.40E-05	3.38E-05	5.11E-03	6.31E-05	9.88E-09	7.19E-07	9.22E-07	6.47E-05
1025	490536.72	3861285.12	1.41E-04	1.20E-08	7.23E-07	9.22E-07	1.42E-04	6.64E-05	4.95E-03	5.42E-05	3.38E-05	5.10E-03	6.32E-05	9.85E-09	7.23E-07	9.22E-07	6.48E-05
1026	490586.72	3861285.12	1.41E-04	1.20E-08	7.26E-07	9.23E-07	1.43E-04	6.66E-05	4.94E-03	5.45E-05	3.38E-05	5.09E-03	6.33E-05	9.83E-09	7.26E-07	9.23E-07	6.50E-05
1027	490636.72	3861285.12	1.41E-04	1.19E-08	7.26E-07	9.21E-07	1.43E-04	6.66E-05	4.91E-03	5.45E-05	3.38E-05	5.06E-03	6.33E-05	9.77E-09	7.26E-07	9.21E-07	6.50E-05
1028	490686.72	3861285.12	1.42E-04	1.19E-08	7.27E-07	9.20E-07	1.43E-04	6.68E-05	4.89E-03	5.45E-05	3.37E-05	5.04E-03	6.35E-05	9.73E-09	7.27E-07	9.20E-07	6.52E-05
1029	490736.72	3861285.12	1.42E-04	1.18E-08	7.28E-07	9.21E-07	1.44E-04	6.72E-05	4.88E-03	5.46E-05	3.38E-05	5.03E-03	6.39E-05	9.72E-09	7.28E-07	9.21E-07	6.55E-05
1030	490786.72	3861285.12	1.43E-04	1.18E-08	7.27E-07	9.20E-07	1.45E-04	6.74E-05	4.85E-03	5.45E-05	3.37E-05	5.01E-03	6.41E-05	9.67E-09	7.27E-07	9.20E-07	6.58E-05
1031	490836.72	3861285.12	1.43E-04	1.17E-08	7.26E-07	9.17E-07	1.45E-04	6.77E-05	4.82E-03	5.45E-05	3.36E-05	4.98E-03	6.43E-05	9.61E-09	7.26E-07	9.17E-07	6.60E-05
1032	490061.24	3859716.13	2.78E-04	4.37E-08	1.44E-06	7.21E-06	2.87E-04	1.31E-04	1.80E-02	1.08E-04	2.64E-04	1.85E-02	1.25E-04	3.58E-08	1.44E-06	7.21E-06	1.33E-04
1033	490111.24	3859716.13	2.76E-04	4.27E-08	1.45E-06	6.96E-06	2.84E-04	1.30E-04	1.76E-02	1.09E-04	2.55E-04	1.81E-02	1.24E-04	3.51E-08	1.45E-06	6.96E-06	1.32E-04

1034	490161.24	3859716.13	2.73E-04	4.19E-08	1.47E-06	6.73E-06	2.82E-04	1.29E-04	1.72E-02	1.10E-04	2.47E-04	1.77E-02	1.23E-04	3.44E-08	1.47E-06	6.73E-06	1.31E-04
1035	490211.24	3859716.13	2.71E-04	4.11E-08	1.47E-06	6.52E-06	2.79E-04	1.28E-04	1.69E-02	1.10E-04	2.39E-04	1.74E-02	1.22E-04	3.37E-08	1.47E-06	6.52E-06	1.30E-04
1036	490061.24	3859766.13	2.74E-04	4.35E-08	1.39E-06	7.03E-06	2.82E-04	1.29E-04	1.79E-02	1.04E-04	2.58E-04	1.84E-02	1.23E-04	3.57E-08	1.39E-06	7.03E-06	1.31E-04
1037	490111.24	3859766.13	2.72E-04	4.27E-08	1.40E-06	6.79E-06	2.80E-04	1.28E-04	1.76E-02	1.05E-04	2.49E-04	1.81E-02	1.22E-04	3.50E-08	1.40E-06	6.79E-06	1.30E-04
1038	490161.24	3859766.13	2.69E-04	4.19E-08	1.41E-06	6.57E-06	2.77E-04	1.27E-04	1.72E-02	1.06E-04	2.41E-04	1.77E-02	1.21E-04	3.44E-08	1.41E-06	6.57E-06	1.29E-04
1039	490211.24	3859766.13	2.67E-04	4.10E-08	1.42E-06	6.35E-06	2.75E-04	1.26E-04	1.69E-02	1.07E-04	2.33E-04	1.74E-02	1.20E-04	3.36E-08	1.42E-06	6.35E-06	1.28E-04
1040	490061.24	3859816.13	2.69E-04	4.35E-08	1.33E-06	6.84E-06	2.78E-04	1.27E-04	1.79E-02	9.99E-05	2.51E-04	1.84E-02	1.21E-04	3.57E-08	1.33E-06	6.84E-06	1.29E-04
1041	490111.24	3859816.13	2.67E-04	4.27E-08	1.35E-06	6.60E-06	2.75E-04	1.26E-04	1.76E-02	1.01E-04	2.42E-04	1.81E-02	1.20E-04	3.50E-08	1.35E-06	6.60E-06	1.28E-04
1042	490161.24	3859816.13	2.65E-04	4.18E-08	1.36E-06	6.38E-06	2.73E-04	1.25E-04	1.72E-02	1.02E-04	2.34E-04	1.77E-02	1.19E-04	3.43E-08	1.36E-06	6.38E-06	1.27E-04
1043	490211.24	3859816.13	2.63E-04	4.09E-08	1.37E-06	6.18E-06	2.70E-04	1.24E-04	1.69E-02	1.03E-04	2.27E-04	1.73E-02	1.18E-04	3.36E-08	1.37E-06	6.18E-06	1.25E-04
1044	490061.24	3859866.13	2.65E-04	4.36E-08	1.28E-06	6.64E-06	2.73E-04	1.25E-04	1.80E-02	9.59E-05	2.43E-04	1.84E-02	1.19E-04	3.58E-08	1.28E-06	6.64E-06	1.27E-04
1045	490111.24	3859866.13	2.63E-04	4.27E-08	1.30E-06	6.41E-06	2.71E-04	1.24E-04	1.76E-02	9.73E-05	2.35E-04	1.80E-02	1.18E-04	3.50E-08	1.30E-06	6.41E-06	1.26E-04
1046	490161.24	3859866.13	2.61E-04	4.18E-08	1.31E-06	6.19E-06	2.69E-04	1.23E-04	1.72E-02	9.85E-05	2.27E-04	1.77E-02	1.17E-04	3.43E-08	1.31E-06	6.19E-06	1.25E-04
1047	490211.24	3859866.13	2.59E-04	4.09E-08	1.33E-06	5.99E-06	2.66E-04	1.22E-04	1.68E-02	9.95E-05	2.20E-04	1.73E-02	1.16E-04	3.35E-08	1.33E-06	5.99E-06	1.24E-04
1048	490061.24	3859916.13	2.60E-04	4.36E-08	1.23E-06	6.42E-06	2.68E-04	1.23E-04	1.80E-02	9.21E-05	2.36E-04	1.84E-02	1.17E-04	3.58E-08	1.23E-06	6.42E-06	1.24E-04
1049	490111.24	3859916.13	2.59E-04	4.27E-08	1.25E-06	6.20E-06	2.66E-04	1.22E-04	1.76E-02	9.36E-05	2.27E-04	1.80E-02	1.16E-04	3.50E-08	1.25E-06	6.20E-06	1.23E-04
1050	490161.24	3859916.13	2.57E-04	4.17E-08	1.27E-06	5.99E-06	2.64E-04	1.21E-04	1.72E-02	9.49E-05	2.20E-04	1.76E-02	1.15E-04	3.42E-08	1.27E-06	5.99E-06	1.23E-04
1051	490211.24	3859916.13	2.55E-04	4.08E-08	1.28E-06	5.80E-06	2.62E-04	1.20E-04	1.68E-02	9.60E-05	2.13E-04	1.73E-02	1.14E-04	3.35E-08	1.28E-06	5.80E-06	1.22E-04
1052	490229.25	3859815.26	2.62E-04	4.06E-08	1.38E-06	6.11E-06	2.70E-04	1.24E-04	1.67E-02	1.03E-04	2.24E-04	1.72E-02	1.18E-04	3.33E-08	1.38E-06	6.11E-06	1.25E-04
1053	490279.25	3859815.26	2.60E-04	3.98E-08	1.38E-06	5.92E-06	2.67E-04	1.23E-04	1.64E-02	1.04E-04	2.17E-04	1.68E-02	1.17E-04	3.26E-08	1.38E-06	5.92E-06	1.24E-04
1054	490329.25	3859815.26	2.58E-04	3.89E-08	1.39E-06	5.75E-06	2.65E-04	1.22E-04	1.60E-02	1.04E-04	2.11E-04	1.65E-02	1.16E-04	3.20E-08	1.39E-06	5.75E-06	1.23E-04
1055	490379.25	3859815.26	2.56E-04	3.81E-08	1.40E-06	5.58E-06	2.63E-04	1.21E-04	1.57E-02	1.05E-04	2.05E-04	1.61E-02	1.15E-04	3.13E-08	1.40E-06	5.58E-06	1.22E-04
1056	490429.25	3859815.26	2.55E-04	3.73E-08	1.41E-06	5.42E-06	2.61E-04	1.20E-04	1.54E-02	1.06E-04	1.99E-04	1.58E-02	1.14E-04	3.06E-08	1.41E-06	5.42E-06	1.21E-04
1057	490229.25	3859865.26	2.58E-04	4.06E-08	1.33E-06	5.93E-06	2.66E-04	1.22E-04	1.67E-02	9.99E-05	2.17E-04	1.71E-02	1.16E-04	3.33E-08	1.33E-06	5.93E-06	1.23E-04
1058	490279.25	3859865.26	2.56E-04	3.97E-08	1.34E-06	5.75E-06	2.63E-04	1.21E-04	1.64E-02	1.01E-04	2.11E-04	1.68E-02	1.15E-04	3.26E-08	1.34E-06	5.75E-06	1.22E-04
1059	490329.25	3859865.26	2.54E-04	3.89E-08	1.35E-06	5.58E-06	2.61E-04	1.20E-04	1.60E-02	1.01E-04	2.05E-04	1.64E-02	1.14E-04	3.19E-08	1.35E-06	5.58E-06	1.21E-04
1060	490379.25	3859865.26	2.52E-04	3.80E-08	1.35E-06	5.42E-06	2.59E-04	1.19E-04	1.57E-02	1.02E-04	1.99E-04	1.61E-02	1.13E-04	3.12E-08	1.35E-06	5.42E-06	1.20E-04
1061	490429.25	3859865.26	2.50E-04	3.72E-08	1.36E-06	5.27E-06	2.57E-04	1.18E-04	1.53E-02	1.02E-04	1.93E-04	1.58E-02	1.12E-04	3.06E-08	1.36E-06	5.27E-06	1.19E-04
1062	490229.25	3859915.26	2.55E-04	4.05E-08	1.29E-06	5.74E-06	2.62E-04	1.20E-04	1.67E-02	9.64E-05	2.11E-04	1.71E-02	1.14E-04	3.32E-08	1.29E-06	5.74E-06	1.21E-04
1063	490279.25	3859915.26	2.52E-04	3.96E-08	1.30E-06	5.57E-06	2.59E-04	1.19E-04	1.63E-02	9.71E-05	2.04E-04	1.67E-02	1.13E-04	3.25E-08	1.30E-06	5.57E-06	1.20E-04
1064	490329.25	3859915.26	2.50E-04	3.88E-08	1.30E-06	5.41E-06	2.57E-04	1.18E-04	1.60E-02	9.78E-05	1.98E-04	1.64E-02	1.12E-04	3.18E-08	1.30E-06	5.41E-06	1.19E-04
1065	490379.25	3859915.26	2.48E-04	3.79E-08	1.31E-06	5.25E-06	2.55E-04	1.17E-04	1.56E-02	9.84E-05	1.93E-04	1.60E-02	1.11E-04	3.11E-08	1.31E-06	5.25E-06	1.18E-04
1066	490429.25	3859915.26	2.46E-04	3.71E-08	1.32E-06	5.11E-06	2.53E-04	1.16E-04	1.53E-02	9.87E-05	1.87E-04	1.57E-02	1.10E-04	3.05E-08	1.32E-06	5.11E-06	1.17E-04
1067	490451.43	3859872.59	2.49E-04	3.69E-08	1.36E-06	5.18E-06	2.55E-04	1.17E-04	1.52E-02	1.02E-04	1.90E-04	1.56E-02	1.12E-04	3.03E-08	1.36E-06	5.18E-06	1.18E-04
1068	490501.43	3859872.59	2.47E-04	3.61E-08	1.37E-06	5.03E-06	2.54E-04	1.17E-04	1.49E-02	1.02E-04	1.85E-04	1.53E-02	1.11E-04	2.96E-08	1.37E-06	5.03E-06	1.17E-04
1069	490551.43	3859872.59	2.47E-04	3.53E-08	1.38E-06	4.89E-06	2.53E-04	1.16E-04	1.45E-02	1.03E-04	1.79E-04	1.49E-02	1.11E-04	2.90E-08	1.38E-06	4.89E-06	1.17E-04
1070	490601.43	3859872.59	2.46E-04	3.45E-08	1.39E-06	4.75E-06	2.52E-04	1.16E-04	1.42E-02	1.04E-04	1.74E-04	1.46E-02	1.10E-04	2.83E-08	1.39E-06	4.75E-06	1.17E-04
1071	490451.43	3859922.59	2.45E-04	3.68E-08	1.31E-06	5.02E-06	2.51E-04	1.15E-04	1.51E-02	9.84E-05	1.84E-04	1.55E-02	1.10E-04	3.02E-08	1.31E-06	5.02E-06	1.16E-04
1072	490501.43	3859922.59	2.43E-04	3.60E-08	1.32E-06	4.89E-06	2.49E-04	1.15E-04	1.48E-02	9.89E-05	1.79E-04	1.52E-02	1.09E-04	2.95E-08	1.32E-06	4.89E-06	1.15E-04
1073	490551.43	3859922.59	2.42E-04	3.52E-08	1.33E-06	4.75E-06	2.48E-04	1.14E-04	1.45E-02	9.96E-05	1.74E-04	1.49E-02	1.09E-04	2.89E-08	1.33E-06	4.75E-06	1.15E-04
1074	490601.43	3859922.59	2.41E-04	3.44E-08	1.34E-06	4.61E-06	2.47E-04	1.14E-04	1.42E-02	1.01E-04	1.69E-04	1.46E-02	1.08E-04	2.82E-08	1.34E-06	4.61E-06	1.14E-04
1075	482129.67	3852241.07	1.56E-04	1.11E-09	2.37E-07	4.23E-07	1.56E-04	7.35E-05	4.57E-04	1.78E-05	1.55E-05	5.64E-04	6.98E-05	9.10E-10	2.37E-07	4.23E-07	7.05E-05
1076	482029.67	3852291.07	1.56E-04	1.16E-09	2.39E-07	4.18E-07	1.57E-04	7.36E-05	4.78E-04	1.79E-05	1.53E-05	5.85E-04	7.00E-05	9.53E-10	2.39E-07	4.18E-07	7.07E-05
1077	482079.67	3852291.07	1.58E-04	1.15E-09	2.39E-07	4.22E-07	1.58E-04	7.44E-05	4.75E-04	1.79E-05	1.55E-05	5.83E-04	7.07E-05	9.46E-10	2.39E-07	4.22E-07	7.14E-05
1078	482129.67	3852291.07	1.59E-04	1.14E-09	2.39E-07	4.26E-07	1.59E-04	7.49E-05	4.70E-04	1.79E-05	1.56E-05	5.78E-04	7.12E-05	9.36E-10	2.39E-07	4.26E-07	7.18E-05
1079	482179.67	3852291.07	1.59E-04	1.12E-09	2.39E-07	4.31E-07	1.60E-04	7.51E-05	4.62E-04	1.79E-05	1.58E-05	5.71E-04	7.14E-05	9.21E-10	2.39E-07	4.31E-07	7.20E-05
1080	482229.67	3852291.07	1.59E-04	1.10E-09	2.40E-07	4.36E-07	1.60E-04	7.50E-05	4.51E-04	1.80E-05	1.60E-05	5.60E-04	7.13E-05	8.99E-10	2.40E-07	4.36E-07	7.20E-05
1081	482029.67	3852341.07	1.57E-04	1.20E-09	2.41E-07	4.22E-07	1.58E-04	7.40E-05	4.93E-04	1.81E-05	1.55E-05	6.00E-04	7.04E-05	9.82E-10	2.41E-07	4.22E-07	7.10E-05
1082	482079.67	3852341.07	1.59E-04	1.19E-09	2.41E-07	4.26E-07	1.60E-04	7.52E-05	4.89E-04	1.81E-05	1.56E-05	5.97E-04	7.15E-05	9.73E-10	2.41E-07	4.26E-07	7.21E-05
1083	482129.67	3852341.07	1.61E-04	1.18E-09	2.41E-07	4.30E-07	1.62E-04	7.60E-05	4.84E-04	1.81E-05	1.58E-05	5.94E-04	7.22E-05	9.65E-10	2.41E-07	4.30E-07	7.29E-05
1084	482179.67	3852341.07	1.62E-04	1.16E-09	2.41E-07	4.35E-07	1.63E-04	7.65E-05	4.78E-04	1.81E-05	1.59E-05	5.89E-04	7.27E-05	9.52E-10	2.41E-07	4.35E-07	7.34E-05
1085	482259.06	3852400.14	1.66E-04	1.21E-09	2.44E-07	4.46E-07	1.66E-04	7.81E-05	4.98E-04	1.83E-05	1.64E-05	6.11E-04	7.43E-05	9.92E-10	2.44E-07	4.46E-07	7.50E-05
1086	482309.06	3852400.14	1.66E-04	1.17E-09	2.44E-07	4.51E-07	1.67E-04	7.85E-05	4.83E-04	1.83E-05	1.65E-05	5.96E-04	7.46E-05	9.62E-10	2.44E-07	4.51E-07	7.53E-05
1087	482209.06	3852450.14	1.67E-04	1.25E-09	2.46E-07	4.46E-07	1.68E-04	7.88E-05	5.16E-04	1.84E-05	1.64E-05	6.30E-04	7.49E-05	1.03E-09	2.46E-07	4.46E-07	7.56E-05
1088	482259.06	3852450.14	1.69E-04	1.24E-09	2.46E-07	4.51E-07	1.69E-04	7.95E-05	5.12E-04	1.84E-05	1.65E-05	6.26E-04	7.56E-05	1.02E-09	2.46E-07	4.51E-07	7.63E-05
1089	482309.06	3852450.14	1.70E-04	1.21E-09	2.46E-07	4.56E-07	1.71E-04	8.01E-05	5.01E-04	1.84E-05	1.67E-05	6.16E-04	7.62E-05	9.97E-10	2.46E-07	4.56E-07	7.69E-05
1090	482209.06	3852500.14	1.68E-04	1.29E-09	2.48E-07	4.51E-07	1.69E-04	7.94E-05	5.30E-04	1.86E-05	1.65E-05	6.44E-04	7.55E-05	1.05E-09	2.48E-07	4.51E-07	7.62E-05
1091	482259.06	3852500.14	1.71E-04	1.27E-09	2.47E-07	4.56E-07	1.72E-04	8.06E-05	5.25E-04	1.86E-05	1.67E-05	6.41E-04	7.67E-05	1.05E-09	2.47E-07	4.56E-07	7.74E-05
1092	482309.06	3852500.14	1.73E-04	1.26E-09	2.47E-07	4.61E-07	1.74E-04	8.15E-05	5.18E-04	1.86E-05	1.69E-05	6.35E-04	7.75E-05	1.03E-09	2.47E-07	4.61E-07	7.82E-05
1093	482283.91	3852513.62	1.72E-04	1.28E-09	2.48E-07	4.60E-07	1.73E-04	8.13E-05	5.26E-04	1.86E-05	1.69E-05	6.43E-04	7.74E-05	1.05E-09	2.48E-07	4.60E-07	7.81E-05
1094	482333.91	3852513.62	1.74E-04	1.26E-09	2.48E-07	4.64E-07	1.75E-04	8.21E-05	5.20E-04	1.86E-05	1.70E-05	6.38E-04	7.81E-05	1.04E-09	2.48E-07	4.64E-07	7.88E-05

1095	482283.91	3852563.62	1.74E-04	1.32E-09	2.51E-07	4.64E-07	1.75E-04	8.20E-05	5.43E-04	1.88E-05	1.70E-05	6.61E-04	7.80E-05	1.08E-09	2.51E-07	4.64E-07	7.87E-05
1096	482333.91	3852563.62	1.76E-04	1.31E-09	2.51E-07	4.69E-07	1.77E-04	8.31E-05	5.40E-04	1.88E-05	1.72E-05	6.59E-04	7.90E-05	1.07E-09	2.51E-07	4.69E-07	7.97E-05
1097	482383.91	3852563.62	1.78E-04	1.30E-09	2.51E-07	4.74E-07	1.78E-04	8.37E-05	5.36E-04	1.88E-05	1.74E-05	6.56E-04	7.96E-05	1.07E-09	2.51E-07	4.74E-07	8.04E-05
1098	482283.91	3852613.62	1.75E-04	1.35E-09	2.53E-07	4.70E-07	1.76E-04	8.26E-05	5.54E-04	1.89E-05	1.72E-05	6.73E-04	7.86E-05	1.10E-09	2.53E-07	4.70E-07	7.93E-05
1099	482333.91	3852613.62	1.78E-04	1.34E-09	2.53E-07	4.75E-07	1.79E-04	8.40E-05	5.54E-04	1.89E-05	1.74E-05	6.74E-04	7.98E-05	1.10E-09	2.53E-07	4.75E-07	8.06E-05
1100	482383.91	3852613.62	1.80E-04	1.34E-09	2.53E-07	4.80E-07	1.81E-04	8.49E-05	5.53E-04	1.89E-05	1.76E-05	6.75E-04	8.07E-05	1.10E-09	2.53E-07	4.80E-07	8.14E-05
1101	482602.38	3852600.87	1.80E-04	1.23E-09	2.53E-07	4.92E-07	1.81E-04	8.48E-05	5.07E-04	1.90E-05	1.80E-05	6.29E-04	8.06E-05	1.01E-09	2.53E-07	4.92E-07	8.14E-05
1102	482652.38	3852600.87	1.78E-04	1.21E-09	2.54E-07	4.94E-07	1.79E-04	8.38E-05	5.01E-04	1.91E-05	1.81E-05	6.22E-04	7.97E-05	9.97E-10	2.54E-07	4.94E-07	8.05E-05
1103	482702.38	3852600.87	1.76E-04	1.16E-09	2.56E-07	4.97E-07	1.76E-04	8.28E-05	4.79E-04	1.92E-05	1.82E-05	5.99E-04	7.88E-05	9.54E-10	2.56E-07	4.97E-07	7.95E-05
1104	482552.38	3852650.87	1.86E-04	1.31E-09	2.54E-07	4.95E-07	1.87E-04	8.77E-05	5.38E-04	1.91E-05	1.82E-05	6.63E-04	8.34E-05	1.07E-09	2.54E-07	4.95E-07	8.41E-05
1105	482602.38	3852650.87	1.85E-04	1.29E-09	2.55E-07	4.98E-07	1.86E-04	8.74E-05	5.30E-04	1.91E-05	1.82E-05	6.54E-04	8.31E-05	1.05E-09	2.55E-07	4.98E-07	8.38E-05
1106	482652.38	3852650.87	1.84E-04	1.27E-09	2.56E-07	5.00E-07	1.84E-04	8.66E-05	5.24E-04	1.92E-05	1.83E-05	6.48E-04	8.23E-05	1.04E-09	2.56E-07	5.00E-07	8.31E-05
1107	482702.38	3852650.87	1.82E-04	1.25E-09	2.57E-07	5.02E-07	1.82E-04	8.56E-05	5.16E-04	1.93E-05	1.84E-05	6.40E-04	8.14E-05	1.03E-09	2.57E-07	5.02E-07	8.22E-05
1108	482552.38	3852700.87	1.90E-04	1.35E-09	2.56E-07	5.02E-07	1.91E-04	8.98E-05	5.57E-04	1.92E-05	1.84E-05	6.84E-04	8.54E-05	1.11E-09	2.56E-07	5.02E-07	8.61E-05
1109	482602.38	3852700.87	1.90E-04	1.34E-09	2.57E-07	5.05E-07	1.91E-04	8.96E-05	5.53E-04	1.93E-05	1.85E-05	6.80E-04	8.52E-05	1.10E-09	2.57E-07	5.05E-07	8.60E-05
1110	482652.38	3852700.87	1.88E-04	1.35E-09	2.58E-07	5.06E-07	1.89E-04	8.88E-05	5.55E-04	1.93E-05	1.86E-05	6.82E-04	8.45E-05	1.11E-09	2.58E-07	5.06E-07	8.52E-05
1111	482702.38	3852700.87	1.87E-04	1.33E-09	2.59E-07	5.08E-07	1.88E-04	8.82E-05	5.46E-04	1.94E-05	1.86E-05	6.72E-04	8.39E-05	1.09E-09	2.59E-07	5.08E-07	8.47E-05
1112	482452.38	3852750.87	1.89E-04	1.42E-09	2.59E-07	5.03E-07	1.90E-04	8.93E-05	5.87E-04	1.94E-05	1.84E-05	7.14E-04	8.49E-05	1.17E-09	2.59E-07	5.03E-07	8.57E-05
1113	482521.29	3852749.74	1.93E-04	1.41E-09	2.59E-07	5.07E-07	1.94E-04	9.09E-05	5.80E-04	1.94E-05	1.86E-05	7.09E-04	8.65E-05	1.16E-09	2.59E-07	5.07E-07	8.72E-05
1114	482571.29	3852749.74	1.94E-04	1.40E-09	2.59E-07	5.11E-07	1.95E-04	9.15E-05	5.75E-04	1.94E-05	1.87E-05	7.05E-04	8.71E-05	1.15E-09	2.59E-07	5.11E-07	8.78E-05
1115	482521.29	3852799.74	1.95E-04	1.45E-09	2.61E-07	5.15E-07	1.96E-04	9.19E-05	5.99E-04	1.96E-05	1.89E-05	7.30E-04	8.74E-05	1.19E-09	2.61E-07	5.15E-07	8.82E-05
1116	482571.29	3852799.74	1.97E-04	1.44E-09	2.61E-07	5.18E-07	1.98E-04	9.30E-05	5.95E-04	1.96E-05	1.90E-05	7.27E-04	8.84E-05	1.19E-09	2.61E-07	5.18E-07	8.92E-05
1117	482621.29	3852799.74	1.99E-04	1.43E-09	2.61E-07	5.21E-07	1.99E-04	9.36E-05	5.90E-04	1.96E-05	1.91E-05	7.22E-04	8.90E-05	1.17E-09	2.61E-07	5.21E-07	8.98E-05
1118	482571.29	3852849.74	2.00E-04	1.48E-09	2.63E-07	5.26E-07	2.01E-04	9.43E-05	6.11E-04	1.97E-05	1.93E-05	7.44E-04	8.97E-05	1.22E-09	2.63E-07	5.26E-07	9.05E-05
1119	482621.29	3852849.74	2.03E-04	1.47E-09	2.63E-07	5.29E-07	2.03E-04	9.55E-05	6.04E-04	1.97E-05	1.94E-05	7.38E-04	9.09E-05	1.20E-09	2.63E-07	5.29E-07	9.16E-05
1120	482577.42	3852901.55	2.03E-04	1.52E-09	2.65E-07	5.36E-07	2.03E-04	9.55E-05	6.25E-04	1.99E-05	1.96E-05	7.60E-04	9.09E-05	1.24E-09	2.65E-07	5.36E-07	9.17E-05
1121	482627.42	3852901.55	2.06E-04	1.50E-09	2.65E-07	5.38E-07	2.07E-04	9.73E-05	6.17E-04	1.99E-05	1.97E-05	7.54E-04	9.25E-05	1.23E-09	2.65E-07	5.38E-07	9.33E-05
1122	482629.96	3852955.85	2.09E-04	1.54E-09	2.68E-07	5.49E-07	2.09E-04	9.84E-05	6.35E-04	2.01E-05	2.01E-05	7.74E-04	9.36E-05	1.27E-09	2.68E-07	5.49E-07	9.44E-05
1123	482679.96	3852955.85	2.13E-04	1.53E-09	2.68E-07	5.50E-07	2.13E-04	1.00E-04	6.28E-04	2.01E-05	2.02E-05	7.69E-04	9.53E-05	1.25E-09	2.68E-07	5.50E-07	9.61E-05
1124	482781.63	3853034.48	2.24E-04	1.55E-09	2.71E-07	5.68E-07	2.25E-04	1.06E-04	6.38E-04	2.03E-05	2.08E-05	7.85E-04	1.00E-04	1.27E-09	2.71E-07	5.68E-07	1.01E-04
1125	482831.63	3853034.48	2.26E-04	1.52E-09	2.70E-07	5.68E-07	2.27E-04	1.07E-04	6.28E-04	2.03E-05	2.08E-05	7.76E-04	1.01E-04	1.25E-09	2.70E-07	5.68E-07	1.02E-04
1126	482881.63	3853034.48	2.27E-04	1.50E-09	2.71E-07	5.67E-07	2.28E-04	1.07E-04	6.19E-04	2.03E-05	2.08E-05	7.67E-04	1.02E-04	1.23E-09	2.71E-07	5.67E-07	1.03E-04
1127	482781.63	3853084.48	2.27E-04	1.60E-09	2.73E-07	5.80E-07	2.28E-04	1.07E-04	6.57E-04	2.05E-05	2.12E-05	8.06E-04	1.02E-04	1.31E-09	2.73E-07	5.80E-07	1.03E-04
1128	482831.63	3853084.48	2.31E-04	1.57E-09	2.73E-07	5.80E-07	2.31E-04	1.09E-04	6.47E-04	2.05E-05	2.12E-05	7.98E-04	1.03E-04	1.29E-09	2.73E-07	5.80E-07	1.04E-04
1129	482881.63	3853084.48	2.33E-04	1.55E-09	2.73E-07	5.78E-07	2.33E-04	1.10E-04	6.38E-04	2.05E-05	2.12E-05	7.90E-04	1.04E-04	1.27E-09	2.73E-07	5.78E-07	1.05E-04
1130	482781.63	3853134.48	2.29E-04	1.65E-09	2.76E-07	5.91E-07	2.29E-04	1.08E-04	6.79E-04	2.07E-05	2.17E-05	8.30E-04	1.02E-04	1.35E-09	2.76E-07	5.91E-07	1.03E-04
1131	482831.63	3853134.48	2.34E-04	1.63E-09	2.76E-07	5.91E-07	2.34E-04	1.10E-04	6.70E-04	2.07E-05	2.17E-05	8.22E-04	1.05E-04	1.33E-09	2.76E-07	5.91E-07	1.06E-04
1132	482881.63	3853134.48	2.37E-04	1.61E-09	2.76E-07	5.90E-07	2.38E-04	1.12E-04	6.63E-04	2.07E-05	2.16E-05	8.17E-04	1.06E-04	1.32E-09	2.76E-07	5.90E-07	1.07E-04
1133	482831.63	3853184.48	2.35E-04	1.68E-09	2.79E-07	6.03E-07	2.36E-04	1.11E-04	6.93E-04	2.09E-05	2.21E-05	8.47E-04	1.06E-04	1.38E-09	2.79E-07	6.03E-07	1.06E-04
1134	482881.63	3853184.48	2.40E-04	1.67E-09	2.79E-07	6.02E-07	2.41E-04	1.13E-04	6.86E-04	2.09E-05	2.21E-05	8.42E-04	1.08E-04	1.37E-09	2.79E-07	6.02E-07	1.09E-04
1135	484154.84	3854250.98	4.76E-04	1.59E-09	3.50E-07	1.76E-06	4.78E-04	2.24E-04	6.56E-04	2.63E-05	6.45E-05	9.71E-04	2.13E-04	1.31E-09	3.50E-07	1.76E-06	2.15E-04
1136	484204.84	3854250.98	4.58E-04	1.59E-09	3.54E-07	1.78E-06	4.60E-04	2.16E-04	6.54E-04	2.65E-05	6.51E-05	9.62E-04	2.05E-04	1.30E-09	3.54E-07	1.78E-06	2.07E-04
1137	484154.84	3854300.98	4.85E-04	1.63E-09	3.52E-07	1.95E-06	4.88E-04	2.29E-04	6.70E-04	2.64E-05	7.17E-05	9.97E-04	2.18E-04	1.33E-09	3.52E-07	1.95E-06	2.20E-04
1138	484204.84	3854300.98	4.73E-04	1.64E-09	3.55E-07	1.97E-06	4.76E-04	2.23E-04	6.77E-04	2.66E-05	7.22E-05	9.99E-04	2.12E-04	1.35E-09	3.55E-07	1.97E-06	2.15E-04
1139	484074.19	3854519.8	5.61E-04	2.20E-09	3.66E-07	3.23E-06	5.64E-04	2.64E-04	9.07E-04	2.74E-05	1.18E-04	1.32E-03	2.51E-04	1.81E-09	3.66E-07	3.23E-06	2.55E-04
1140	484124.19	3854519.8	5.55E-04	2.18E-09	3.67E-07	3.17E-06	5.58E-04	2.62E-04	8.99E-04	2.75E-05	1.16E-04	1.30E-03	2.49E-04	1.79E-09	3.67E-07	3.17E-06	2.52E-04
1141	484074.19	3854569.8	5.73E-04	2.43E-09	3.69E-07	3.61E-06	5.77E-04	2.70E-04	1.00E-03	2.77E-05	1.32E-04	1.43E-03	2.57E-04	2.00E-09	3.69E-07	3.61E-06	2.61E-04
1142	484124.19	3854569.8	5.60E-04	2.39E-09	3.70E-07	3.51E-06	5.63E-04	2.64E-04	9.85E-04	2.77E-05	1.29E-04	1.41E-03	2.51E-04	1.96E-09	3.70E-07	3.51E-06	2.55E-04
1143	485205.11	3855188.89	8.42E-03	7.28E-09	4.67E-07	3.27E-06	8.42E-03	3.97E-03	3.00E-03	3.50E-05	1.20E-04	7.12E-03	3.78E-03	5.97E-09	4.67E-07	3.27E-06	3.78E-03
1144	485255.11	3855188.89	7.46E-03	7.04E-09	4.77E-07	3.29E-06	7.46E-03	3.52E-03	2.90E-03	3.58E-05	1.21E-04	6.58E-03	3.35E-03	5.78E-09	4.77E-07	3.29E-06	3.35E-03
1145	485205.11	3855238.89	1.01E-02	7.62E-09	4.69E-07	3.46E-06	1.01E-02	4.77E-03	3.14E-03	3.51E-05	1.27E-04	8.07E-03	4.54E-03	6.25E-09	4.69E-07	3.46E-06	4.54E-03
1146	485255.11	3855238.89	9.21E-03	7.51E-09	4.75E-07	3.50E-06	9.21E-03	4.34E-03	3.09E-03	3.57E-05	1.28E-04	7.60E-03	4.13E-03	6.16E-09	4.75E-07	3.50E-06	4.13E-03
1147	485205.11	3855288.89	1.36E-02	8.36E-09	4.70E-07	3.68E-06	1.36E-02	6.41E-03	3.44E-03	3.53E-05	1.35E-04	1.00E-02	6.09E-03	6.86E-09	4.70E-07	3.68E-06	6.10E-03
1148	485255.11	3855288.89	1.18E-02	8.21E-09	4.75E-07	3.73E-06	1.18E-02	5.58E-03	3.38E-03	3.57E-05	1.37E-04	9.14E-03	5.31E-03	6.74E-09	4.75E-07	3.73E-06	5.31E-03
1149	485255.11	3855338.89	1.52E-02	8.99E-09	4.78E-07	4.01E-06	1.52E-02	7.19E-03	3.70E-03	3.58E-05	1.47E-04	1.11E-02	6.84E-03	7.37E-09	4.78E-07	4.01E-06	6.84E-03
1150	485305.11	3855338.89	1.32E-02	8.71E-09	4.83E-07	4.05E-06	1.32E-02	6.22E-03	3.59E-03	3.62E-05	1.49E-04	1.00E-02	5.91E-03	7.15E-09	4.83E-07	4.05E-06	5.92E-03
1151	485852.5	3855635.28	1.16E-02	1.07E-08	5.97E-07	5.80E-06	1.16E-02	5.48E-03	4.42E-03	4.48E-05	2.12E-04	1.02E-02	5.21E-03	8.80E-09	5.97E-07	5.80E-06	5.21E-03
1152	485902.5	3855635.28	1.06E-02	1.04E-08	6.19E-07	5.74E-06	1.06E-02	5.00E-03	4.30E-03	4.64E-05	2.10E-04	9.56E-03	4.76E-03	8.56E-09	6.19E-07	5.74E-06	4.76E-03
1153	485852.5	3855685.28	1.29E-02	1.14E-08	5.93E-07	6.17E-06	1.30E-02	6.11E-03	4.68E-03	4.45E-05	2.26E-04	1.11E-02	5.81E-03	9.32E-09	5.93E-07	6.17E-06	5.81E-03
1154	485902.5	3855685.28	1.17E-02	1.10E-08	6.12E-07	6.10E-06	1.18E-02	5.54E-03	4.54E-03	4.59E-05	2.24E-04	1.04E-02	5.27E-03	9.05E-09	6.12E-07	6.10E-06	5.28E-03
1155	485852.5	3855735.28	1.45E-02	1.20E-08	5.90E-07	6.57E-06	1.45E-02	6.86E-03	4.96E-03	4.43E-05	2.41E-04	1.21E-02	6.52E-03	9.87E-09	5.90E-07	6.57E-06	6.53E-03

1156	485902.5	3855735.28	1.32E-02	1.18E-08	6.06E-07	6.48E-06	1.32E-02	6.24E-03	4.85E-03	4.54E-05	2.38E-04	1.14E-02	5.93E-03	9.65E-09	6.06E-07	6.48E-06	5.94E-03
1157	485852.5	3855785.28	1.67E-02	1.29E-08	5.90E-07	6.99E-06	1.67E-02	7.87E-03	5.30E-03	4.43E-05	2.56E-04	1.35E-02	7.48E-03	1.06E-08	5.90E-07	6.99E-06	7.49E-03
1158	485902.5	3855785.28	1.48E-02	1.24E-08	6.04E-07	6.87E-06	1.48E-02	6.96E-03	5.11E-03	4.53E-05	2.52E-04	1.24E-02	6.62E-03	1.02E-08	6.04E-07	6.87E-06	6.63E-03
1159	486809.46	3856465.28	1.31E-02	1.71E-08	1.00E-06	4.88E-06	1.31E-02	6.18E-03	7.06E-03	7.52E-05	1.79E-04	1.35E-02	5.88E-03	1.41E-08	1.00E-06	4.88E-06	5.89E-03
1160	486859.46	3856465.28	1.24E-02	1.70E-08	1.02E-06	4.74E-06	1.24E-02	5.83E-03	6.99E-03	7.64E-05	1.74E-04	1.31E-02	5.54E-03	1.39E-08	1.02E-06	4.74E-06	5.55E-03
1161	486909.46	3856465.28	1.17E-02	1.68E-08	1.04E-06	4.62E-06	1.17E-02	5.50E-03	6.91E-03	7.76E-05	1.69E-04	1.27E-02	5.23E-03	1.38E-08	1.04E-06	4.62E-06	5.23E-03
1162	486809.46	3856515.28	1.43E-02	1.78E-08	1.01E-06	4.73E-06	1.43E-02	6.76E-03	7.33E-03	7.61E-05	1.73E-04	1.43E-02	6.43E-03	1.46E-08	1.01E-06	4.73E-06	6.44E-03
1163	486859.46	3856515.28	1.35E-02	1.77E-08	1.03E-06	4.60E-06	1.35E-02	6.35E-03	7.28E-03	7.76E-05	1.69E-04	1.39E-02	6.03E-03	1.45E-08	1.03E-06	4.60E-06	6.04E-03
1164	486909.46	3856515.28	1.26E-02	1.75E-08	1.05E-06	4.48E-06	1.26E-02	5.96E-03	7.21E-03	7.89E-05	1.64E-04	1.34E-02	5.67E-03	1.44E-08	1.05E-06	4.48E-06	5.67E-03
1165	486980.94	3856357.95	9.41E-03	1.52E-08	1.05E-06	4.69E-06	9.41E-03	4.44E-03	6.27E-03	7.85E-05	1.72E-04	1.10E-02	4.22E-03	1.25E-08	1.05E-06	4.69E-06	4.22E-03
1166	487030.94	3856357.95	9.02E-03	1.51E-08	1.09E-06	4.58E-06	9.02E-03	4.25E-03	6.21E-03	8.16E-05	1.68E-04	1.07E-02	4.04E-03	1.24E-08	1.09E-06	4.58E-06	4.05E-03
1167	486980.94	3856407.95	1.00E-02	1.59E-08	1.05E-06	4.59E-06	1.00E-02	4.73E-03	6.54E-03	7.88E-05	1.68E-04	1.15E-02	4.50E-03	1.30E-08	1.05E-06	4.59E-06	4.51E-03
1168	487030.94	3856407.95	9.59E-03	1.57E-08	1.09E-06	4.48E-06	9.59E-03	4.52E-03	6.47E-03	8.17E-05	1.64E-04	1.12E-02	4.30E-03	1.29E-08	1.09E-06	4.48E-06	4.31E-03
1169	487447.18	3856437.45	7.17E-03	1.49E-08	1.47E-06	3.72E-06	7.18E-03	3.38E-03	6.14E-03	1.10E-04	1.36E-04	9.77E-03	3.22E-03	1.22E-08	1.47E-06	3.72E-06	3.22E-03
1170	487497.18	3856437.45	6.93E-03	1.48E-08	1.56E-06	3.65E-06	6.94E-03	3.27E-03	6.10E-03	1.17E-04	1.34E-04	9.62E-03	3.11E-03	1.21E-08	1.56E-06	3.65E-06	3.11E-03
1171	487547.18	3856437.45	6.71E-03	1.47E-08	1.65E-06	3.58E-06	6.71E-03	3.16E-03	6.05E-03	1.24E-04	1.31E-04	9.47E-03	3.01E-03	1.21E-08	1.65E-06	3.58E-06	3.01E-03
1172	487447.18	3856487.45	7.49E-03	1.54E-08	1.49E-06	3.62E-06	7.50E-03	3.53E-03	6.36E-03	1.12E-04	1.33E-04	1.01E-02	3.36E-03	1.27E-08	1.49E-06	3.62E-06	3.36E-03
1173	487497.18	3856487.45	7.23E-03	1.53E-08	1.57E-06	3.56E-06	7.23E-03	3.41E-03	6.31E-03	1.18E-04	1.30E-04	9.96E-03	3.24E-03	1.26E-08	1.57E-06	3.56E-06	3.25E-03
1174	487547.18	3856487.45	7.00E-03	1.52E-08	1.67E-06	3.49E-06	7.01E-03	3.30E-03	6.26E-03	1.25E-04	1.28E-04	9.82E-03	3.14E-03	1.25E-08	1.67E-06	3.49E-06	3.15E-03
1175	487447.18	3856537.45	7.85E-03	1.60E-08	1.51E-06	3.52E-06	7.85E-03	3.70E-03	6.58E-03	1.13E-04	1.29E-04	1.05E-02	3.52E-03	1.31E-08	1.51E-06	3.52E-06	3.53E-03
1176	487497.18	3856537.45	7.55E-03	1.58E-08	1.59E-06	3.46E-06	7.56E-03	3.56E-03	6.52E-03	1.19E-04	1.27E-04	1.03E-02	3.39E-03	1.30E-08	1.59E-06	3.46E-06	3.39E-03
1177	487547.18	3856537.45	7.28E-03	1.57E-08	1.68E-06	3.40E-06	7.28E-03	3.43E-03	6.48E-03	1.26E-04	1.25E-04	1.02E-02	3.26E-03	1.29E-08	1.68E-06	3.40E-06	3.27E-03
1178	489285.89	3858826.54	4.51E-04	5.33E-08	4.00E-06	6.71E-06	4.62E-04	2.13E-04	2.20E-02	3.00E-04	2.46E-04	2.27E-02	2.02E-04	4.37E-08	4.00E-06	6.71E-06	2.13E-04
1179	489335.89	3858826.54	4.49E-04	5.18E-08	4.12E-06	6.63E-06	4.60E-04	2.12E-04	2.14E-02	3.09E-04	2.43E-04	2.21E-02	2.01E-04	4.25E-08	4.12E-06	6.63E-06	2.12E-04
1180	489385.89	3858826.54	4.48E-04	5.03E-08	4.24E-06	6.55E-06	4.59E-04	2.11E-04	2.07E-02	3.18E-04	2.40E-04	2.15E-02	2.01E-04	4.13E-08	4.24E-06	6.55E-06	2.12E-04
1181	489435.89	3858826.54	4.47E-04	4.90E-08	4.34E-06	6.46E-06	4.58E-04	2.11E-04	2.02E-02	3.26E-04	2.37E-04	2.10E-02	2.01E-04	4.02E-08	4.34E-06	6.46E-06	2.11E-04
1182	489485.89	3858826.54	4.47E-04	4.77E-08	4.43E-06	6.38E-06	4.58E-04	2.11E-04	1.97E-02	3.33E-04	2.34E-04	2.04E-02	2.00E-04	3.92E-08	4.43E-06	6.38E-06	2.11E-04
1183	489535.89	3858826.54	4.47E-04	4.65E-08	4.51E-06	6.29E-06	4.58E-04	2.11E-04	1.92E-02	3.39E-04	2.31E-04	1.99E-02	2.00E-04	3.81E-08	4.51E-06	6.29E-06	2.11E-04
1184	489585.89	3858826.54	4.47E-04	4.53E-08	4.58E-06	6.21E-06	4.58E-04	2.11E-04	1.87E-02	3.44E-04	2.28E-04	1.95E-02	2.01E-04	3.72E-08	4.58E-06	6.21E-06	2.12E-04
1185	489635.89	3858826.54	4.49E-04	4.42E-08	4.64E-06	6.13E-06	4.59E-04	2.12E-04	1.82E-02	3.48E-04	2.25E-04	1.90E-02	2.01E-04	3.63E-08	4.64E-06	6.13E-06	2.12E-04
1186	489685.89	3858826.54	4.50E-04	4.31E-08	4.70E-06	6.05E-06	4.61E-04	2.12E-04	1.77E-02	3.52E-04	2.22E-04	1.85E-02	2.02E-04	3.54E-08	4.70E-06	6.05E-06	2.13E-04
1187	489735.89	3858826.54	4.52E-04	4.20E-08	4.74E-06	5.97E-06	4.63E-04	2.13E-04	1.73E-02	3.56E-04	2.19E-04	1.81E-02	2.03E-04	3.45E-08	4.74E-06	5.97E-06	2.13E-04
1188	489785.89	3858826.54	4.54E-04	4.11E-08	4.79E-06	5.89E-06	4.65E-04	2.14E-04	1.69E-02	3.59E-04	2.16E-04	1.77E-02	2.04E-04	3.37E-08	4.79E-06	5.89E-06	2.14E-04
1189	489835.89	3858826.54	4.57E-04	4.01E-08	4.82E-06	5.81E-06	4.67E-04	2.15E-04	1.65E-02	3.62E-04	2.13E-04	1.73E-02	2.05E-04	3.29E-08	4.82E-06	5.81E-06	2.15E-04
1190	489885.89	3858826.54	4.59E-04	3.92E-08	4.86E-06	5.73E-06	4.70E-04	2.16E-04	1.62E-02	3.64E-04	2.10E-04	1.69E-02	2.06E-04	3.22E-08	4.86E-06	5.73E-06	2.16E-04
1191	489935.89	3858826.54	4.61E-04	3.84E-08	4.89E-06	5.66E-06	4.72E-04	2.18E-04	1.58E-02	3.67E-04	2.07E-04	1.66E-02	2.07E-04	3.15E-08	4.89E-06	5.66E-06	2.18E-04
1192	489985.89	3858826.54	4.64E-04	3.75E-08	4.92E-06	5.58E-06	4.75E-04	2.19E-04	1.55E-02	3.69E-04	2.05E-04	1.62E-02	2.08E-04	3.08E-08	4.92E-06	5.58E-06	2.19E-04
1193	490035.89	3858826.54	4.67E-04	3.66E-08	4.94E-06	5.50E-06	4.78E-04	2.20E-04	1.51E-02	3.71E-04	2.02E-04	1.59E-02	2.10E-04	3.00E-08	4.94E-06	5.50E-06	2.20E-04
1194	489285.89	3858876.54	4.39E-04	5.73E-08	3.51E-06	7.11E-06	4.49E-04	2.07E-04	2.36E-02	2.63E-04	2.61E-04	2.43E-02	1.97E-04	4.70E-08	3.51E-06	7.11E-06	2.07E-04
1195	489335.89	3858876.54	4.36E-04	5.54E-08	3.62E-06	7.01E-06	4.47E-04	2.06E-04	2.28E-02	2.72E-04	2.57E-04	2.36E-02	1.96E-04	4.55E-08	3.62E-06	7.01E-06	2.06E-04
1196	489385.89	3858876.54	4.34E-04	5.37E-08	3.73E-06	6.91E-06	4.45E-04	2.05E-04	2.21E-02	2.80E-04	2.53E-04	2.29E-02	1.95E-04	4.41E-08	3.73E-06	6.91E-06	2.05E-04
1197	489435.89	3858876.54	4.33E-04	5.21E-08	3.84E-06	6.80E-06	4.44E-04	2.04E-04	2.15E-02	2.88E-04	2.49E-04	2.22E-02	1.94E-04	4.27E-08	3.84E-06	6.80E-06	2.05E-04
1198	489485.89	3858876.54	4.32E-04	5.06E-08	3.93E-06	6.70E-06	4.43E-04	2.04E-04	2.08E-02	2.95E-04	2.46E-04	2.16E-02	1.94E-04	4.15E-08	3.93E-06	6.70E-06	2.04E-04
1199	489535.89	3858876.54	4.31E-04	4.91E-08	4.02E-06	6.60E-06	4.42E-04	2.03E-04	2.02E-02	3.01E-04	2.42E-04	2.10E-02	1.93E-04	4.03E-08	4.02E-06	6.60E-06	2.04E-04
1200	489585.89	3858876.54	4.32E-04	4.77E-08	4.09E-06	6.50E-06	4.42E-04	2.04E-04	1.96E-02	3.07E-04	2.39E-04	2.04E-02	1.94E-04	3.91E-08	4.09E-06	6.50E-06	2.04E-04
1201	489635.89	3858876.54	4.32E-04	4.64E-08	4.16E-06	6.41E-06	4.42E-04	2.04E-04	1.91E-02	3.12E-04	2.35E-04	1.99E-02	1.94E-04	3.81E-08	4.16E-06	6.41E-06	2.04E-04
1202	489685.89	3858876.54	4.33E-04	4.51E-08	4.22E-06	6.32E-06	4.43E-04	2.04E-04	1.86E-02	3.16E-04	2.32E-04	1.93E-02	1.94E-04	3.70E-08	4.22E-06	6.32E-06	2.05E-04
1203	489735.89	3858876.54	4.34E-04	4.39E-08	4.27E-06	6.22E-06	4.45E-04	2.05E-04	1.81E-02	3.20E-04	2.28E-04	1.88E-02	1.95E-04	3.60E-08	4.27E-06	6.22E-06	2.05E-04
1204	489785.89	3858876.54	4.35E-04	4.28E-08	4.31E-06	6.13E-06	4.46E-04	2.05E-04	1.76E-02	3.24E-04	2.25E-04	1.84E-02	1.95E-04	3.51E-08	4.31E-06	6.13E-06	2.06E-04
1205	489835.89	3858876.54	4.37E-04	4.17E-08	4.35E-06	6.04E-06	4.48E-04	2.06E-04	1.72E-02	3.27E-04	2.22E-04	1.79E-02	1.96E-04	3.42E-08	4.35E-06	6.04E-06	2.07E-04
1206	489885.89	3858876.54	4.39E-04	4.08E-08	4.40E-06	5.95E-06	4.49E-04	2.07E-04	1.68E-02	3.30E-04	2.18E-04	1.76E-02	1.97E-04	3.35E-08	4.40E-06	5.95E-06	2.07E-04
1207	489935.89	3858876.54	4.42E-04	3.98E-08	4.43E-06	5.86E-06	4.52E-04	2.08E-04	1.64E-02	3.32E-04	2.15E-04	1.71E-02	1.98E-04	3.26E-08	4.43E-06	5.86E-06	2.08E-04
1208	489985.89	3858876.54	4.44E-04	3.88E-08	4.46E-06	5.78E-06	4.55E-04	2.10E-04	1.60E-02	3.35E-04	2.12E-04	1.67E-02	1.99E-04	3.18E-08	4.46E-06	5.78E-06	2.10E-04
1209	490035.89	3858876.54	4.47E-04	3.78E-08	4.49E-06	5.69E-06	4.57E-04	2.11E-04	1.56E-02	3.37E-04	2.09E-04	1.63E-02	2.01E-04	3.10E-08	4.49E-06	5.69E-06	2.11E-04
1210	489285.89	3858926.54	4.28E-04	6.14E-08	3.11E-06	7.53E-06	4.38E-04	2.02E-04	2.53E-02	2.33E-04	2.76E-04	2.60E-02	1.92E-04	5.04E-08	3.11E-06	7.53E-06	2.02E-04
1211	489335.89	3858926.54	4.25E-04	5.91E-08	3.21E-06	7.41E-06	4.35E-04	2.00E-04	2.44E-02	2.41E-04	2.72E-04	2.51E-02	1.91E-04	4.85E-08	3.21E-06	7.41E-06	2.01E-04
1212	489385.89	3858926.54	4.23E-04	5.70E-08	3.32E-06	7.28E-06	4.33E-04	1.99E-04	2.35E-02	2.49E-04	2.67E-04	2.42E-02	1.89E-04	4.68E-08	3.32E-06	7.28E-06	2.00E-04
1213	489435.89	3858926.54	4.20E-04	5.51E-08	3.41E-06	7.16E-06	4.31E-04	1.98E-04	2.27E-02	2.56E-04	2.63E-04	2.34E-02	1.89E-04	4.52E-08	3.41E-06	7.16E-06	1.99E-04
1214	489485.89	3858926.54	4.19E-04	5.33E-08	3.50E-06	7.04E-06	4.29E-04	1.98E-04	2.20E-02	2.63E-04	2.58E-04	2.27E-02	1.88E-04	4.37E-08	3.50E-06	7.04E-06	1.98E-04
1215	489535.89	3858926.54	4.18E-04	5.16E-08	3.59E-06	6.93E-06	4.28E-04	1.97E-04	2.13E-02	2.69E-04	2.54E-04	2.20E-02	1.87E-04	4.24E-08	3.59E-06	6.93E-06	1.98E-04
1216	489585.89	3858926.54	4.17E-04	5.00E-08	3.67E-06	6.82E-06	4.28E-04	1.97E-04	2.06E-02	2.75E-04	2.50E-04	2.13E-02	1.87E-04	4.11E-08	3.67E-06	6.82E-06	1.98E-04

1217	489635.89	3858926.54	4.17E-04	4.85E-08	3.74E-06	6.71E-06	4.27E-04	1.97E-04	2.00E-02	2.80E-04	2.46E-04	2.07E-02	1.87E-04	3.98E-08	3.74E-06	6.71E-06	1.97E-04
1218	489685.89	3858926.54	4.17E-04	4.71E-08	3.80E-06	6.60E-06	4.28E-04	1.97E-04	1.94E-02	2.85E-04	2.42E-04	2.01E-02	1.87E-04	3.86E-08	3.80E-06	6.60E-06	1.98E-04
1219	489735.89	3858926.54	4.18E-04	4.58E-08	3.86E-06	6.49E-06	4.28E-04	1.97E-04	1.89E-02	2.89E-04	2.38E-04	1.96E-02	1.87E-04	3.76E-08	3.86E-06	6.49E-06	1.98E-04
1220	489785.89	3858926.54	4.18E-04	4.46E-08	3.91E-06	6.39E-06	4.29E-04	1.97E-04	1.84E-02	2.93E-04	2.34E-04	1.91E-02	1.88E-04	3.66E-08	3.91E-06	6.39E-06	1.98E-04
1221	489835.89	3858926.54	4.20E-04	4.34E-08	3.95E-06	6.29E-06	4.30E-04	1.98E-04	1.79E-02	2.96E-04	2.31E-04	1.86E-02	1.88E-04	3.56E-08	3.95E-06	6.29E-06	1.99E-04
1222	489885.89	3858926.54	4.21E-04	4.23E-08	3.99E-06	6.19E-06	4.31E-04	1.99E-04	1.74E-02	2.99E-04	2.27E-04	1.81E-02	1.89E-04	3.47E-08	3.99E-06	6.19E-06	1.99E-04
1223	489935.89	3858926.54	4.23E-04	4.12E-08	4.03E-06	6.09E-06	4.33E-04	2.00E-04	1.70E-02	3.02E-04	2.23E-04	1.77E-02	1.90E-04	3.38E-08	4.03E-06	6.09E-06	2.00E-04
1224	489985.89	3858926.54	4.26E-04	4.01E-08	4.06E-06	5.99E-06	4.36E-04	2.01E-04	1.65E-02	3.05E-04	2.20E-04	1.72E-02	1.91E-04	3.29E-08	4.06E-06	5.99E-06	2.01E-04
1225	490035.89	3858926.54	4.29E-04	3.89E-08	4.09E-06	5.89E-06	4.39E-04	2.02E-04	1.60E-02	3.07E-04	2.16E-04	1.68E-02	1.92E-04	3.19E-08	4.09E-06	5.89E-06	2.02E-04
1226	489335.89	3858976.54	4.14E-04	6.26E-08	2.87E-06	7.83E-06	4.25E-04	1.95E-04	2.58E-02	2.16E-04	2.87E-04	2.65E-02	1.86E-04	5.14E-08	2.87E-06	7.83E-06	1.97E-04
1227	489385.89	3858976.54	4.12E-04	6.01E-08	2.97E-06	7.68E-06	4.23E-04	1.94E-04	2.48E-02	2.22E-04	2.82E-04	2.55E-02	1.85E-04	4.94E-08	2.97E-06	7.68E-06	1.95E-04
1228	489435.89	3858976.54	4.09E-04	5.80E-08	3.05E-06	7.55E-06	4.20E-04	1.93E-04	2.39E-02	2.29E-04	2.77E-04	2.46E-02	1.84E-04	4.76E-08	3.05E-06	7.55E-06	1.94E-04
1229	489485.89	3858976.54	4.07E-04	5.59E-08	3.14E-06	7.41E-06	4.18E-04	1.92E-04	2.30E-02	2.35E-04	2.72E-04	2.37E-02	1.83E-04	4.59E-08	3.14E-06	7.41E-06	1.93E-04
1230	489535.89	3858976.54	4.06E-04	5.40E-08	3.22E-06	7.28E-06	4.16E-04	1.91E-04	2.22E-02	2.42E-04	2.67E-04	2.29E-02	1.82E-04	4.43E-08	3.22E-06	7.28E-06	1.93E-04
1231	489585.89	3858976.54	4.04E-04	5.23E-08	3.30E-06	7.15E-06	4.15E-04	1.91E-04	2.15E-02	2.47E-04	2.62E-04	2.22E-02	1.81E-04	4.29E-08	3.30E-06	7.15E-06	1.92E-04
1232	489635.89	3858976.54	4.04E-04	5.06E-08	3.37E-06	7.03E-06	4.14E-04	1.90E-04	2.08E-02	2.53E-04	2.58E-04	2.15E-02	1.81E-04	4.15E-08	3.37E-06	7.03E-06	1.91E-04
1233	489685.89	3858976.54	4.03E-04	4.90E-08	3.44E-06	6.91E-06	4.14E-04	1.90E-04	2.02E-02	2.58E-04	2.53E-04	2.09E-02	1.81E-04	4.02E-08	3.44E-06	6.91E-06	1.91E-04
1234	489735.89	3858976.54	4.03E-04	4.75E-08	3.49E-06	6.78E-06	4.14E-04	1.90E-04	1.96E-02	2.62E-04	2.49E-04	2.03E-02	1.81E-04	3.90E-08	3.49E-06	6.78E-06	1.91E-04
1235	489785.89	3858976.54	4.03E-04	4.62E-08	3.55E-06	6.67E-06	4.14E-04	1.90E-04	1.90E-02	2.66E-04	2.44E-04	1.97E-02	1.81E-04	3.79E-08	3.55E-06	6.67E-06	1.91E-04
1236	489835.89	3858976.54	4.04E-04	4.50E-08	3.59E-06	6.55E-06	4.14E-04	1.90E-04	1.85E-02	2.70E-04	2.40E-04	1.92E-02	1.81E-04	3.69E-08	3.59E-06	6.55E-06	1.91E-04
1237	489885.89	3858976.54	4.05E-04	4.36E-08	3.63E-06	6.43E-06	4.15E-04	1.91E-04	1.80E-02	2.73E-04	2.36E-04	1.87E-02	1.82E-04	3.58E-08	3.63E-06	6.43E-06	1.92E-04
1238	489935.89	3858976.54	4.07E-04	4.24E-08	3.67E-06	6.32E-06	4.17E-04	1.92E-04	1.75E-02	2.75E-04	2.32E-04	1.82E-02	1.82E-04	3.48E-08	3.67E-06	6.32E-06	1.92E-04
1239	489985.89	3858976.54	4.09E-04	4.13E-08	3.71E-06	6.21E-06	4.18E-04	1.93E-04	1.70E-02	2.78E-04	2.28E-04	1.77E-02	1.83E-04	3.39E-08	3.71E-06	6.21E-06	1.93E-04
1240	490035.89	3858976.54	4.12E-04	3.96E-08	3.72E-06	6.09E-06	4.22E-04	1.94E-04	1.63E-02	2.79E-04	2.23E-04	1.70E-02	1.85E-04	3.25E-08	3.72E-06	6.09E-06	1.95E-04
1241	489385.89	3859026.54	4.02E-04	6.30E-08	2.68E-06	8.13E-06	4.13E-04	1.90E-04	2.60E-02	2.01E-04	2.98E-04	2.67E-02	1.80E-04	5.17E-08	2.68E-06	8.13E-06	1.91E-04
1242	489435.89	3859026.54	3.99E-04	6.06E-08	2.75E-06	7.97E-06	4.10E-04	1.88E-04	2.49E-02	2.07E-04	2.92E-04	2.56E-02	1.79E-04	4.97E-08	2.75E-06	7.97E-06	1.90E-04
1243	489485.89	3859026.54	3.97E-04	5.82E-08	2.83E-06	7.82E-06	4.08E-04	1.87E-04	2.40E-02	2.12E-04	2.87E-04	2.47E-02	1.78E-04	4.78E-08	2.83E-06	7.82E-06	1.89E-04
1244	489535.89	3859026.54	3.95E-04	5.62E-08	2.91E-06	7.67E-06	4.06E-04	1.86E-04	2.31E-02	2.18E-04	2.81E-04	2.38E-02	1.77E-04	4.61E-08	2.91E-06	7.67E-06	1.88E-04
1245	489585.89	3859026.54	3.93E-04	5.41E-08	2.98E-06	7.52E-06	4.04E-04	1.86E-04	2.23E-02	2.24E-04	2.76E-04	2.30E-02	1.76E-04	4.44E-08	2.98E-06	7.52E-06	1.87E-04
1246	489635.89	3859026.54	3.92E-04	5.24E-08	3.05E-06	7.38E-06	4.02E-04	1.85E-04	2.16E-02	2.29E-04	2.70E-04	2.23E-02	1.76E-04	4.30E-08	3.05E-06	7.38E-06	1.86E-04
1247	489685.89	3859026.54	3.91E-04	5.07E-08	3.11E-06	7.23E-06	4.01E-04	1.84E-04	2.09E-02	2.34E-04	2.65E-04	2.16E-02	1.75E-04	4.16E-08	3.11E-06	7.23E-06	1.86E-04
1248	489735.89	3859026.54	3.90E-04	4.92E-08	3.17E-06	7.10E-06	4.00E-04	1.84E-04	2.03E-02	2.38E-04	2.60E-04	2.09E-02	1.75E-04	4.03E-08	3.17E-06	7.10E-06	1.85E-04
1249	489785.89	3859026.54	3.90E-04	4.77E-08	3.23E-06	6.96E-06	4.00E-04	1.84E-04	1.97E-02	2.42E-04	2.55E-04	2.03E-02	1.75E-04	3.92E-08	3.23E-06	6.96E-06	1.85E-04
1250	489835.89	3859026.54	3.90E-04	4.62E-08	3.28E-06	6.82E-06	4.00E-04	1.84E-04	1.90E-02	2.46E-04	2.50E-04	1.97E-02	1.75E-04	3.79E-08	3.28E-06	6.82E-06	1.85E-04
1251	489885.89	3859026.54	3.91E-04	4.49E-08	3.32E-06	6.69E-06	4.01E-04	1.84E-04	1.85E-02	2.49E-04	2.45E-04	1.92E-02	1.75E-04	3.68E-08	3.32E-06	6.69E-06	1.85E-04
1252	489935.89	3859026.54	3.92E-04	4.35E-08	3.36E-06	6.56E-06	4.02E-04	1.85E-04	1.79E-02	2.52E-04	2.40E-04	1.86E-02	1.76E-04	3.57E-08	3.36E-06	6.56E-06	1.86E-04
1253	489985.89	3859026.54	3.93E-04	4.23E-08	3.39E-06	6.43E-06	4.03E-04	1.86E-04	1.74E-02	2.55E-04	2.36E-04	1.81E-02	1.76E-04	3.47E-08	3.39E-06	6.43E-06	1.86E-04
1254	490035.89	3859026.54	3.97E-04	4.03E-08	3.41E-06	6.30E-06	4.07E-04	1.87E-04	1.66E-02	2.56E-04	2.31E-04	1.73E-02	1.78E-04	3.31E-08	3.41E-06	6.30E-06	1.88E-04
1255	489485.89	3859076.54	3.88E-04	6.03E-08	2.58E-06	8.27E-06	3.99E-04	1.83E-04	2.48E-02	1.93E-04	3.03E-04	2.55E-02	1.74E-04	4.94E-08	2.58E-06	8.27E-06	1.85E-04
1256	489535.89	3859076.54	3.85E-04	5.79E-08	2.64E-06	8.09E-06	3.96E-04	1.82E-04	2.39E-02	1.98E-04	2.97E-04	2.45E-02	1.73E-04	4.75E-08	2.64E-06	8.09E-06	1.84E-04
1257	489585.89	3859076.54	3.83E-04	5.58E-08	2.71E-06	7.92E-06	3.94E-04	1.81E-04	2.30E-02	2.03E-04	2.90E-04	2.37E-02	1.72E-04	4.58E-08	2.71E-06	7.92E-06	1.83E-04
1258	489635.89	3859076.54	3.81E-04	5.40E-08	2.77E-06	7.75E-06	3.92E-04	1.80E-04	2.22E-02	2.08E-04	2.84E-04	2.29E-02	1.71E-04	4.43E-08	2.77E-06	7.75E-06	1.82E-04
1259	489685.89	3859076.54	3.80E-04	5.22E-08	2.83E-06	7.58E-06	3.90E-04	1.79E-04	2.15E-02	2.12E-04	2.78E-04	2.22E-02	1.70E-04	4.28E-08	2.83E-06	7.58E-06	1.81E-04
1260	489735.89	3859076.54	3.79E-04	5.06E-08	2.89E-06	7.42E-06	3.89E-04	1.79E-04	2.08E-02	2.17E-04	2.72E-04	2.15E-02	1.70E-04	4.15E-08	2.89E-06	7.42E-06	1.80E-04
1261	489785.89	3859076.54	3.78E-04	4.90E-08	2.95E-06	7.26E-06	3.88E-04	1.78E-04	2.02E-02	2.21E-04	2.66E-04	2.09E-02	1.69E-04	4.02E-08	2.95E-06	7.26E-06	1.80E-04
1262	489835.89	3859076.54	3.78E-04	4.75E-08	3.00E-06	7.10E-06	3.88E-04	1.78E-04	1.96E-02	2.25E-04	2.60E-04	2.02E-02	1.69E-04	3.89E-08	3.00E-06	7.10E-06	1.79E-04
1263	489885.89	3859076.54	3.78E-04	4.60E-08	3.05E-06	6.95E-06	3.88E-04	1.78E-04	1.89E-02	2.29E-04	2.55E-04	1.96E-02	1.69E-04	3.77E-08	3.05E-06	6.95E-06	1.79E-04
1264	489935.89	3859076.54	3.78E-04	4.46E-08	3.09E-06	6.80E-06	3.88E-04	1.78E-04	1.84E-02	2.32E-04	2.49E-04	1.90E-02	1.70E-04	3.66E-08	3.09E-06	6.80E-06	1.80E-04
1265	489985.89	3859076.54	3.79E-04	4.32E-08	3.12E-06	6.65E-06	3.89E-04	1.79E-04	1.78E-02	2.34E-04	2.44E-04	1.85E-02	1.70E-04	3.55E-08	3.12E-06	6.65E-06	1.80E-04
1266	490035.89	3859076.54	3.82E-04	4.13E-08	3.14E-06	6.50E-06	3.92E-04	1.80E-04	1.70E-02	2.36E-04	2.38E-04	1.77E-02	1.71E-04	3.39E-08	3.14E-06	6.50E-06	1.81E-04
1267	489585.89	3859126.54	3.74E-04	5.73E-08	2.48E-06	8.33E-06	3.85E-04	1.77E-04	2.36E-02	1.86E-04	3.05E-04	2.43E-02	1.68E-04	4.70E-08	2.48E-06	8.33E-06	1.79E-04
1268	489635.89	3859126.54	3.72E-04	5.53E-08	2.53E-06	8.13E-06	3.83E-04	1.75E-04	2.28E-02	1.90E-04	2.98E-04	2.35E-02	1.67E-04	4.54E-08	2.53E-06	8.13E-06	1.78E-04
1269	489685.89	3859126.54	3.70E-04	5.34E-08	2.59E-06	7.93E-06	3.81E-04	1.75E-04	2.20E-02	1.94E-04	2.91E-04	2.27E-02	1.66E-04	4.39E-08	2.59E-06	7.93E-06	1.77E-04
1270	489735.89	3859126.54	3.68E-04	5.17E-08	2.64E-06	7.74E-06	3.79E-04	1.74E-04	2.13E-02	1.98E-04	2.84E-04	2.20E-02	1.65E-04	4.24E-08	2.64E-06	7.74E-06	1.76E-04
1271	489785.89	3859126.54	3.67E-04	5.01E-08	2.70E-06	7.55E-06	3.77E-04	1.73E-04	2.06E-02	2.02E-04	2.77E-04	2.13E-02	1.65E-04	4.11E-08	2.70E-06	7.55E-06	1.75E-04
1272	489835.89	3859126.54	3.66E-04	4.85E-08	2.75E-06	7.37E-06	3.77E-04	1.73E-04	2.00E-02	2.06E-04	2.70E-04	2.06E-02	1.64E-04	3.98E-08	2.75E-06	7.37E-06	1.75E-04
1273	489885.89	3859126.54	3.66E-04	4.69E-08	2.80E-06	7.19E-06	3.76E-04	1.73E-04	1.93E-02	2.10E-04	2.64E-04	2.00E-02	1.64E-04	3.85E-08	2.80E-06	7.19E-06	1.74E-04
1274	489935.89	3859126.54	3.66E-04	4.55E-08	2.84E-06	7.02E-06	3.76E-04	1.73E-04	1.87E-02	2.13E-04	2.57E-04	1.94E-02	1.64E-04	3.73E-08	2.84E-06	7.02E-06	1.74E-04
1275	489985.89	3859126.54	3.67E-04	4.39E-08	2.88E-06	6.85E-06	3.77E-04	1.73E-04	1.81E-02	2.16E-04	2.51E-04	1.87E-02	1.65E-04	3.60E-08	2.88E-06	6.85E-06	1.74E-04
1276	490035.89	3859126.54	3.69E-04	4.23E-08	2.90E-06	6.68E-06	3.78E-04	1.74E-04	1.74E-02	2.18E-04	2.45E-04	1.81E-02	1.65E-04	3.47E-08	2.90E-06	6.68E-06	1.75E-04
1277	489585.89	3859176.54	3.66E-04	5.82E-08	2.29E-06	8.73E-06	3.77E-04	1.73E-04	2.40E-02	1.72E-04	3.20E-04	2.47E-02	1.64E-04	4.78E-08	2.29E-06	8.73E-06	1.75E-04

1278	489635.89	3859176.54	3.64E-04	5.62E-08	2.34E-06	8.49E-06	3.75E-04	1.72E-04	2.32E-02	1.75E-04	3.11E-04	2.38E-02	1.63E-04	4.62E-08	2.34E-06	8.49E-06	1.74E-04
1279	489685.89	3859176.54	3.61E-04	5.44E-08	2.38E-06	8.26E-06	3.72E-04	1.70E-04	2.24E-02	1.79E-04	3.03E-04	2.31E-02	1.62E-04	4.46E-08	2.38E-06	8.26E-06	1.73E-04
1280	489735.89	3859176.54	3.59E-04	5.27E-08	2.43E-06	8.04E-06	3.70E-04	1.69E-04	2.17E-02	1.82E-04	2.95E-04	2.23E-02	1.61E-04	4.32E-08	2.43E-06	8.04E-06	1.72E-04
1281	489785.89	3859176.54	3.58E-04	5.09E-08	2.48E-06	7.82E-06	3.68E-04	1.69E-04	2.10E-02	1.86E-04	2.87E-04	2.16E-02	1.60E-04	4.18E-08	2.48E-06	7.82E-06	1.71E-04
1282	489835.89	3859176.54	3.56E-04	4.92E-08	2.53E-06	7.61E-06	3.67E-04	1.68E-04	2.03E-02	1.90E-04	2.79E-04	2.09E-02	1.60E-04	4.04E-08	2.53E-06	7.61E-06	1.70E-04
1283	489885.89	3859176.54	3.56E-04	4.77E-08	2.58E-06	7.41E-06	3.66E-04	1.68E-04	1.96E-02	1.93E-04	2.72E-04	2.03E-02	1.60E-04	3.91E-08	2.58E-06	7.41E-06	1.70E-04
1284	489935.89	3859176.54	3.55E-04	4.62E-08	2.62E-06	7.21E-06	3.65E-04	1.68E-04	1.90E-02	1.97E-04	2.64E-04	1.97E-02	1.59E-04	3.79E-08	2.62E-06	7.21E-06	1.69E-04
1285	489985.89	3859176.54	3.56E-04	4.46E-08	2.66E-06	7.02E-06	3.66E-04	1.68E-04	1.84E-02	2.00E-04	2.57E-04	1.90E-02	1.60E-04	3.66E-08	2.66E-06	7.02E-06	1.69E-04
1286	490035.89	3859176.54	3.56E-04	4.33E-08	2.70E-06	6.84E-06	3.66E-04	1.68E-04	1.78E-02	2.03E-04	2.51E-04	1.85E-02	1.60E-04	3.55E-08	2.70E-06	6.84E-06	1.69E-04
1287	489685.89	3859226.54	3.54E-04	5.49E-08	2.21E-06	8.55E-06	3.64E-04	1.67E-04	2.26E-02	1.66E-04	3.14E-04	2.33E-02	1.59E-04	4.51E-08	2.21E-06	8.55E-06	1.69E-04
1288	489735.89	3859226.54	3.51E-04	5.32E-08	2.25E-06	8.30E-06	3.62E-04	1.66E-04	2.19E-02	1.69E-04	3.04E-04	2.26E-02	1.57E-04	4.37E-08	2.25E-06	8.30E-06	1.68E-04
1289	489785.89	3859226.54	3.49E-04	5.15E-08	2.29E-06	8.06E-06	3.59E-04	1.65E-04	2.12E-02	1.72E-04	2.95E-04	2.18E-02	1.57E-04	4.22E-08	2.29E-06	8.06E-06	1.67E-04
1290	489835.89	3859226.54	3.48E-04	4.97E-08	2.34E-06	7.82E-06	3.58E-04	1.64E-04	2.05E-02	1.75E-04	2.87E-04	2.11E-02	1.56E-04	4.08E-08	2.34E-06	7.82E-06	1.66E-04
1291	489885.89	3859226.54	3.47E-04	4.82E-08	2.38E-06	7.59E-06	3.57E-04	1.63E-04	1.98E-02	1.79E-04	2.78E-04	2.05E-02	1.55E-04	3.95E-08	2.38E-06	7.59E-06	1.65E-04
1292	489935.89	3859226.54	3.46E-04	4.67E-08	2.43E-06	7.38E-06	3.56E-04	1.63E-04	1.92E-02	1.82E-04	2.71E-04	1.98E-02	1.55E-04	3.83E-08	2.43E-06	7.38E-06	1.65E-04
1293	489985.89	3859226.54	3.46E-04	4.49E-08	2.47E-06	7.17E-06	3.56E-04	1.63E-04	1.85E-02	1.85E-04	2.63E-04	1.91E-02	1.55E-04	3.68E-08	2.47E-06	7.17E-06	1.65E-04
1294	490035.89	3859226.54	3.46E-04	4.37E-08	2.51E-06	6.98E-06	3.55E-04	1.63E-04	1.80E-02	1.88E-04	2.56E-04	1.86E-02	1.55E-04	3.59E-08	2.51E-06	6.98E-06	1.65E-04
1295	489735.89	3859276.54	3.44E-04	5.35E-08	2.10E-06	8.52E-06	3.54E-04	1.62E-04	2.20E-02	1.57E-04	3.12E-04	2.27E-02	1.54E-04	4.39E-08	2.10E-06	8.52E-06	1.65E-04
1296	489785.89	3859276.54	3.41E-04	5.18E-08	2.13E-06	8.26E-06	3.52E-04	1.61E-04	2.13E-02	1.60E-04	3.03E-04	2.20E-02	1.53E-04	4.25E-08	2.13E-06	8.26E-06	1.64E-04
1297	489835.89	3859276.54	3.40E-04	5.00E-08	2.18E-06	8.00E-06	3.50E-04	1.60E-04	2.06E-02	1.63E-04	2.93E-04	2.12E-02	1.52E-04	4.11E-08	2.18E-06	8.00E-06	1.63E-04
1298	489885.89	3859276.54	3.38E-04	4.85E-08	2.21E-06	7.76E-06	3.48E-04	1.60E-04	2.00E-02	1.66E-04	2.84E-04	2.06E-02	1.52E-04	3.98E-08	2.21E-06	7.76E-06	1.62E-04
1299	489935.89	3859276.54	3.37E-04	4.69E-08	2.26E-06	7.53E-06	3.47E-04	1.59E-04	1.93E-02	1.69E-04	2.76E-04	1.99E-02	1.51E-04	3.85E-08	2.26E-06	7.53E-06	1.61E-04
1300	489985.89	3859276.54	3.37E-04	4.50E-08	2.29E-06	7.30E-06	3.47E-04	1.59E-04	1.86E-02	1.72E-04	2.68E-04	1.92E-02	1.51E-04	3.70E-08	2.29E-06	7.30E-06	1.61E-04
1301	490035.89	3859276.54	3.36E-04	4.41E-08	2.33E-06	7.11E-06	3.45E-04	1.58E-04	1.82E-02	1.75E-04	2.61E-04	1.88E-02	1.51E-04	3.62E-08	2.33E-06	7.11E-06	1.60E-04
1302	490458.06	3859590.74	2.81E-04	3.67E-08	1.77E-06	5.84E-06	2.88E-04	1.32E-04	1.51E-02	1.33E-04	2.14E-04	1.56E-02	1.26E-04	3.01E-08	1.77E-06	5.84E-06	1.34E-04
1303	490508.06	3859590.74	2.81E-04	3.57E-08	1.80E-06	5.68E-06	2.88E-04	1.32E-04	1.47E-02	1.35E-04	2.08E-04	1.52E-02	1.26E-04	2.93E-08	1.80E-06	5.68E-06	1.33E-04
1304	490558.06	3859590.74	2.81E-04	3.49E-08	1.83E-06	5.53E-06	2.88E-04	1.33E-04	1.44E-02	1.37E-04	2.03E-04	1.48E-02	1.26E-04	2.86E-08	1.83E-06	5.53E-06	1.33E-04
1305	490608.06	3859590.74	2.82E-04	3.39E-08	1.85E-06	5.38E-06	2.89E-04	1.33E-04	1.40E-02	1.39E-04	1.97E-04	1.45E-02	1.26E-04	2.79E-08	1.85E-06	5.38E-06	1.34E-04
1306	490658.06	3859590.74	2.82E-04	3.30E-08	1.85E-06	5.25E-06	2.89E-04	1.33E-04	1.36E-02	1.39E-04	1.92E-04	1.41E-02	1.27E-04	2.71E-08	1.85E-06	5.25E-06	1.34E-04
1307	490708.06	3859590.74	2.83E-04	3.21E-08	1.86E-06	5.12E-06	2.90E-04	1.34E-04	1.32E-02	1.40E-04	1.88E-04	1.37E-02	1.27E-04	2.63E-08	1.86E-06	5.12E-06	1.34E-04
1308	490758.06	3859590.74	2.84E-04	3.11E-08	1.87E-06	5.01E-06	2.91E-04	1.34E-04	1.28E-02	1.40E-04	1.84E-04	1.33E-02	1.27E-04	2.55E-08	1.87E-06	5.01E-06	1.34E-04
1309	490808.06	3859590.74	2.85E-04	3.03E-08	1.88E-06	4.89E-06	2.92E-04	1.34E-04	1.25E-02	1.41E-04	1.79E-04	1.29E-02	1.28E-04	2.48E-08	1.88E-06	4.89E-06	1.35E-04
1310	490858.06	3859590.74	2.86E-04	2.94E-08	1.89E-06	4.79E-06	2.93E-04	1.35E-04	1.21E-02	1.42E-04	1.76E-04	1.26E-02	1.28E-04	2.41E-08	1.89E-06	4.79E-06	1.35E-04
1311	490458.06	3859640.74	2.74E-04	3.68E-08	1.67E-06	5.76E-06	2.81E-04	1.29E-04	1.52E-02	1.25E-04	2.11E-04	1.56E-02	1.23E-04	3.02E-08	1.67E-06	5.76E-06	1.30E-04
1312	490508.06	3859640.74	2.73E-04	3.59E-08	1.69E-06	5.60E-06	2.81E-04	1.29E-04	1.48E-02	1.27E-04	2.05E-04	1.53E-02	1.23E-04	2.95E-08	1.69E-06	5.60E-06	1.30E-04
1313	490558.06	3859640.74	2.73E-04	3.51E-08	1.72E-06	5.45E-06	2.81E-04	1.29E-04	1.44E-02	1.29E-04	2.00E-04	1.49E-02	1.23E-04	2.88E-08	1.72E-06	5.45E-06	1.30E-04
1314	490608.06	3859640.74	2.74E-04	3.42E-08	1.76E-06	5.30E-06	2.81E-04	1.29E-04	1.41E-02	1.32E-04	1.94E-04	1.45E-02	1.23E-04	2.80E-08	1.76E-06	5.30E-06	1.30E-04
1315	490658.06	3859640.74	2.75E-04	3.32E-08	1.77E-06	5.16E-06	2.82E-04	1.29E-04	1.37E-02	1.33E-04	1.89E-04	1.41E-02	1.23E-04	2.72E-08	1.77E-06	5.16E-06	1.30E-04
1316	490708.06	3859640.74	2.75E-04	3.23E-08	1.78E-06	5.03E-06	2.82E-04	1.30E-04	1.33E-02	1.34E-04	1.85E-04	1.38E-02	1.23E-04	2.65E-08	1.78E-06	5.03E-06	1.30E-04
1317	490758.06	3859640.74	2.76E-04	3.14E-08	1.79E-06	4.92E-06	2.83E-04	1.30E-04	1.29E-02	1.34E-04	1.80E-04	1.34E-02	1.24E-04	2.57E-08	1.79E-06	4.92E-06	1.30E-04
1318	490808.06	3859640.74	2.77E-04	3.06E-08	1.80E-06	4.80E-06	2.83E-04	1.30E-04	1.26E-02	1.35E-04	1.76E-04	1.30E-02	1.24E-04	2.51E-08	1.80E-06	4.80E-06	1.31E-04
1319	490858.06	3859640.74	2.77E-04	2.99E-08	1.81E-06	4.70E-06	2.84E-04	1.31E-04	1.23E-02	1.36E-04	1.72E-04	1.27E-02	1.24E-04	2.45E-08	1.81E-06	4.70E-06	1.31E-04
1320	490608.06	3859690.74	2.67E-04	3.43E-08	1.66E-06	5.20E-06	2.74E-04	1.26E-04	1.41E-02	1.25E-04	1.91E-04	1.46E-02	1.20E-04	2.81E-08	1.66E-06	5.20E-06	1.27E-04
1321	490658.06	3859690.74	2.67E-04	3.34E-08	1.69E-06	5.06E-06	2.74E-04	1.26E-04	1.37E-02	1.27E-04	1.85E-04	1.42E-02	1.20E-04	2.74E-08	1.69E-06	5.06E-06	1.27E-04
1322	490708.06	3859690.74	2.68E-04	3.25E-08	1.70E-06	4.93E-06	2.74E-04	1.26E-04	1.34E-02	1.28E-04	1.81E-04	1.38E-02	1.20E-04	2.67E-08	1.70E-06	4.93E-06	1.27E-04
1323	490758.06	3859690.74	2.68E-04	3.16E-08	1.71E-06	4.81E-06	2.75E-04	1.27E-04	1.30E-02	1.28E-04	1.77E-04	1.34E-02	1.20E-04	2.59E-08	1.71E-06	4.81E-06	1.27E-04
1324	490808.06	3859690.74	2.69E-04	3.08E-08	1.72E-06	4.71E-06	2.75E-04	1.27E-04	1.27E-02	1.29E-04	1.73E-04	1.31E-02	1.21E-04	2.52E-08	1.72E-06	4.71E-06	1.27E-04
1325	490858.06	3859690.74	2.69E-04	3.02E-08	1.73E-06	4.60E-06	2.75E-04	1.27E-04	1.24E-02	1.30E-04	1.69E-04	1.29E-02	1.21E-04	2.48E-08	1.73E-06	4.60E-06	1.27E-04
1326	490708.06	3859740.74	2.61E-04	3.27E-08	1.63E-06	4.82E-06	2.67E-04	1.23E-04	1.35E-02	1.22E-04	1.77E-04	1.39E-02	1.17E-04	2.68E-08	1.63E-06	4.82E-06	1.23E-04
1327	490758.06	3859740.74	2.61E-04	3.20E-08	1.65E-06	4.71E-06	2.67E-04	1.23E-04	1.32E-02	1.23E-04	1.73E-04	1.36E-02	1.17E-04	2.62E-08	1.65E-06	4.71E-06	1.23E-04
1328	490808.06	3859740.74	2.61E-04	3.12E-08	1.66E-06	4.60E-06	2.67E-04	1.23E-04	1.29E-02	1.24E-04	1.69E-04	1.33E-02	1.17E-04	2.56E-08	1.66E-06	4.60E-06	1.23E-04
1329	490858.06	3859740.74	2.61E-04	3.05E-08	1.67E-06	4.49E-06	2.67E-04	1.23E-04	1.26E-02	1.25E-04	1.65E-04	1.30E-02	1.17E-04	2.50E-08	1.67E-06	4.49E-06	1.23E-04
1330	490786.56	3859749.39	2.60E-04	3.16E-08	1.64E-06	4.62E-06	2.66E-04	1.22E-04	1.30E-02	1.23E-04	1.70E-04	1.34E-02	1.16E-04	2.59E-08	1.64E-06	4.62E-06	1.23E-04
1331	490836.56	3859749.39	2.60E-04	3.08E-08	1.65E-06	4.52E-06	2.66E-04	1.23E-04	1.27E-02	1.24E-04	1.66E-04	1.31E-02	1.17E-04	2.53E-08	1.65E-06	4.52E-06	1.23E-04
1332	490786.56	3859799.39	2.53E-04	3.17E-08	1.56E-06	4.51E-06	2.59E-04	1.19E-04	1.31E-02	1.17E-04	1.65E-04	1.35E-02	1.13E-04	2.60E-08	1.56E-06	4.51E-06	1.19E-04
1333	490836.56	3859799.39	2.53E-04	3.10E-08	1.58E-06	4.40E-06	2.59E-04	1.19E-04	1.28E-02	1.19E-04	1.61E-04	1.32E-02	1.13E-04	2.55E-08	1.58E-06	4.40E-06	1.19E-04
1334	492307.84	3854508.36	5.92E-04	2.85E-09	1.74E-06	1.72E-06	5.95E-04	2.79E-04	1.17E-03	1.31E-04	6.31E-05	1.65E-03	2.65E-04	2.34E-09	1.74E-06	1.72E-06	2.69E-04
1335	486445.7	3854753.6	8.39E-04	3.08E-09	7.87E-07	2.51E-06	8.42E-04	3.96E-04	1.27E-03	5.90E-05	9.19E-05	1.82E-03	3.76E-04	2.53E-09	7.87E-07	2.51E-06	3.79E-04
1336	472599.75	3877830.11	1.24E-05	2.55E-10	9.95E-08	9.82E-08	1.25E-05	5.82E-06	1.05E-04	7.46E-06	3.60E-06	1.22E-04	5.54E-06	2.10E-10	9.95E-08	9.82E-08	5.74E-06
1337	493107.48	3866840.19	3.93E-05	7.60E-10	2.30E-07	2.75E-07	3.99E-05	1.86E-05	3.13E-04	1.73E-05	1.01E-05	3.59E-04	1.76E-05	6.24E-10	2.30E-07	2.75E-07	1.82E-05
1338	495815.79	3861662.87	1.29E-04	5.47E-09	7.11E-07	6.78E-07	1.30E-04	6.08E-05	2.25E-03	5.33E-05	2.48E-05	2.39E-03	5.79E-05	4.49E-09	7.11E-07	6.78E-07	5.92E-05

1339	480272.33	3841389.2	4.34E-06	6.04E-11	1.22E-07	1.35E-07	4.60E-06	2.05E-06	2.49E-05	9.12E-06	4.96E-06	4.10E-05	1.95E-06	4.96E-11	1.22E-07	1.35E-07	2.21E-06
1340	497005.18	3862813.64	8.87E-05	3.43E-09	5.43E-07	4.21E-07	8.97E-05	4.18E-05	1.41E-03	4.08E-05	1.54E-05	1.51E-03	3.98E-05	2.81E-09	5.43E-07	4.21E-07	4.08E-05
1341	493677.33	3860302.55	2.26E-04	1.21E-08	1.49E-06	1.65E-06	2.29E-04	1.06E-04	4.97E-03	1.12E-04	6.03E-05	5.25E-03	1.01E-04	9.90E-09	1.49E-06	1.65E-06	1.04E-04
1342	493727.33	3860302.55	2.26E-04	1.19E-08	1.50E-06	1.64E-06	2.29E-04	1.06E-04	4.91E-03	1.12E-04	6.00E-05	5.19E-03	1.01E-04	9.79E-09	1.50E-06	1.64E-06	1.04E-04
1343	493777.33	3860302.55	2.25E-04	1.18E-08	1.50E-06	1.62E-06	2.29E-04	1.06E-04	4.86E-03	1.12E-04	5.96E-05	5.14E-03	1.01E-04	9.68E-09	1.50E-06	1.62E-06	1.04E-04
1344	493827.33	3860302.55	2.25E-04	1.17E-08	1.50E-06	1.61E-06	2.28E-04	1.06E-04	4.81E-03	1.13E-04	5.92E-05	5.08E-03	1.01E-04	9.57E-09	1.50E-06	1.61E-06	1.04E-04
1345	493877.33	3860302.55	2.25E-04	1.15E-08	1.51E-06	1.61E-06	2.28E-04	1.06E-04	4.76E-03	1.13E-04	5.89E-05	5.03E-03	1.01E-04	9.47E-09	1.51E-06	1.61E-06	1.04E-04
1346	493927.33	3860302.55	2.25E-04	1.14E-08	1.51E-06	1.60E-06	2.28E-04	1.06E-04	4.71E-03	1.14E-04	5.85E-05	4.99E-03	1.01E-04	9.39E-09	1.51E-06	1.60E-06	1.04E-04
1347	493977.33	3860302.55	2.25E-04	1.13E-08	1.51E-06	1.58E-06	2.28E-04	1.06E-04	4.64E-03	1.13E-04	5.81E-05	4.92E-03	1.01E-04	9.25E-09	1.51E-06	1.58E-06	1.04E-04
1348	494027.33	3860302.55	2.24E-04	1.11E-08	1.51E-06	1.57E-06	2.28E-04	1.06E-04	4.59E-03	1.13E-04	5.77E-05	4.86E-03	1.01E-04	9.14E-09	1.51E-06	1.57E-06	1.04E-04
1349	493677.33	3860352.55	2.21E-04	1.19E-08	1.44E-06	1.60E-06	2.24E-04	1.04E-04	4.90E-03	1.08E-04	5.88E-05	5.18E-03	9.90E-05	9.77E-09	1.44E-06	1.60E-06	1.02E-04
1350	493727.33	3860352.55	2.21E-04	1.18E-08	1.45E-06	1.59E-06	2.24E-04	1.04E-04	4.86E-03	1.09E-04	5.84E-05	5.13E-03	9.89E-05	9.67E-09	1.45E-06	1.59E-06	1.02E-04
1351	493777.33	3860352.55	2.20E-04	1.17E-08	1.46E-06	1.59E-06	2.24E-04	1.04E-04	4.81E-03	1.09E-04	5.81E-05	5.08E-03	9.89E-05	9.58E-09	1.46E-06	1.59E-06	1.02E-04
1352	493827.33	3860352.55	2.20E-04	1.16E-08	1.46E-06	1.58E-06	2.23E-04	1.04E-04	4.76E-03	1.10E-04	5.78E-05	5.03E-03	9.88E-05	9.48E-09	1.46E-06	1.58E-06	1.02E-04
1353	493877.33	3860352.55	2.20E-04	1.14E-08	1.47E-06	1.57E-06	2.23E-04	1.04E-04	4.71E-03	1.10E-04	5.74E-05	4.98E-03	9.88E-05	9.38E-09	1.47E-06	1.57E-06	1.02E-04
1354	493927.33	3860352.55	2.20E-04	1.13E-08	1.47E-06	1.56E-06	2.24E-04	1.04E-04	4.65E-03	1.10E-04	5.70E-05	4.92E-03	9.89E-05	9.26E-09	1.47E-06	1.56E-06	1.02E-04
1355	493977.33	3860352.55	2.21E-04	1.11E-08	1.47E-06	1.54E-06	2.24E-04	1.04E-04	4.59E-03	1.10E-04	5.66E-05	4.86E-03	9.89E-05	9.15E-09	1.47E-06	1.54E-06	1.02E-04
1356	494027.33	3860352.55	2.20E-04	1.10E-08	1.47E-06	1.54E-06	2.23E-04	1.04E-04	4.54E-03	1.10E-04	5.63E-05	4.82E-03	9.88E-05	9.05E-09	1.47E-06	1.54E-06	1.02E-04
1357	493677.33	3860402.55	2.15E-04	1.18E-08	1.37E-06	1.56E-06	2.18E-04	1.02E-04	4.84E-03	1.03E-04	5.73E-05	5.11E-03	9.65E-05	9.65E-09	1.37E-06	1.56E-06	9.95E-05
1358	493727.33	3860402.55	2.15E-04	1.16E-08	1.38E-06	1.56E-06	2.18E-04	1.02E-04	4.80E-03	1.04E-04	5.70E-05	5.06E-03	9.66E-05	9.55E-09	1.38E-06	1.56E-06	9.95E-05
1359	493777.33	3860402.55	2.16E-04	1.15E-08	1.40E-06	1.54E-06	2.19E-04	1.02E-04	4.74E-03	1.05E-04	5.66E-05	5.00E-03	9.68E-05	9.44E-09	1.40E-06	1.54E-06	9.98E-05
1360	493827.33	3860402.55	2.16E-04	1.14E-08	1.40E-06	1.54E-06	2.19E-04	1.02E-04	4.70E-03	1.05E-04	5.64E-05	4.96E-03	9.67E-05	9.35E-09	1.40E-06	1.54E-06	9.97E-05
1361	493877.33	3860402.55	2.16E-04	1.13E-08	1.41E-06	1.53E-06	2.19E-04	1.02E-04	4.65E-03	1.06E-04	5.60E-05	4.91E-03	9.67E-05	9.26E-09	1.41E-06	1.53E-06	9.96E-05
1362	493927.33	3860402.55	2.16E-04	1.12E-08	1.43E-06	1.52E-06	2.19E-04	1.02E-04	4.59E-03	1.07E-04	5.56E-05	4.86E-03	9.69E-05	9.15E-09	1.43E-06	1.52E-06	9.98E-05
1363	493977.33	3860402.55	2.16E-04	1.10E-08	1.43E-06	1.51E-06	2.19E-04	1.02E-04	4.54E-03	1.07E-04	5.52E-05	4.80E-03	9.70E-05	9.03E-09	1.43E-06	1.51E-06	1.00E-04
1364	494027.33	3860402.55	2.16E-04	1.09E-08	1.44E-06	1.50E-06	2.19E-04	1.02E-04	4.49E-03	1.08E-04	5.49E-05	4.76E-03	9.69E-05	8.95E-09	1.44E-06	1.50E-06	9.98E-05
1365	493677.33	3860452.55	2.10E-04	1.16E-08	1.31E-06	1.52E-06	2.13E-04	9.91E-05	4.77E-03	9.85E-05	5.58E-05	5.02E-03	9.43E-05	9.50E-09	1.31E-06	1.52E-06	9.71E-05
1366	493727.33	3860452.55	2.10E-04	1.15E-08	1.31E-06	1.52E-06	2.13E-04	9.90E-05	4.73E-03	9.86E-05	5.57E-05	4.98E-03	9.42E-05	9.42E-09	1.31E-06	1.52E-06	9.70E-05
1367	493777.33	3860452.55	2.10E-04	1.14E-08	1.32E-06	1.51E-06	2.13E-04	9.91E-05	4.68E-03	9.92E-05	5.54E-05	4.93E-03	9.43E-05	9.32E-09	1.32E-06	1.51E-06	9.71E-05
1368	493827.33	3860452.55	2.11E-04	1.12E-08	1.34E-06	1.50E-06	2.14E-04	9.94E-05	4.63E-03	1.00E-04	5.50E-05	4.89E-03	9.45E-05	9.22E-09	1.34E-06	1.50E-06	9.74E-05
1369	493877.33	3860452.55	2.11E-04	1.11E-08	1.35E-06	1.49E-06	2.14E-04	9.95E-05	4.58E-03	1.01E-04	5.46E-05	4.84E-03	9.46E-05	9.13E-09	1.35E-06	1.49E-06	9.75E-05
1370	493927.33	3860452.55	2.12E-04	1.10E-08	1.37E-06	1.48E-06	2.15E-04	9.98E-05	4.53E-03	1.03E-04	5.42E-05	4.78E-03	9.49E-05	9.02E-09	1.37E-06	1.48E-06	9.78E-05
1371	493977.33	3860452.55	2.12E-04	1.09E-08	1.38E-06	1.47E-06	2.15E-04	9.98E-05	4.48E-03	1.04E-04	5.39E-05	4.74E-03	9.49E-05	8.93E-09	1.38E-06	1.47E-06	9.78E-05
1372	494027.33	3860452.55	2.12E-04	1.08E-08	1.39E-06	1.46E-06	2.14E-04	9.98E-05	4.44E-03	1.04E-04	5.36E-05	4.70E-03	9.49E-05	8.84E-09	1.39E-06	1.46E-06	9.77E-05
1373	493677.33	3860502.55	2.05E-04	1.14E-08	1.26E-06	1.48E-06	2.08E-04	9.66E-05	4.70E-03	9.42E-05	5.43E-05	4.94E-03	9.19E-05	9.35E-09	1.26E-06	1.48E-06	9.46E-05
1374	493727.33	3860502.55	2.05E-04	1.13E-08	1.26E-06	1.48E-06	2.08E-04	9.67E-05	4.65E-03	9.45E-05	5.42E-05	4.90E-03	9.19E-05	9.27E-09	1.26E-06	1.48E-06	9.47E-05
1375	493777.33	3860502.55	2.05E-04	1.12E-08	1.27E-06	1.47E-06	2.08E-04	9.68E-05	4.61E-03	9.50E-05	5.39E-05	4.85E-03	9.21E-05	9.18E-09	1.27E-06	1.47E-06	9.48E-05
1376	493827.33	3860502.55	2.06E-04	1.11E-08	1.28E-06	1.46E-06	2.08E-04	9.70E-05	4.56E-03	9.57E-05	5.36E-05	4.81E-03	9.22E-05	9.09E-09	1.28E-06	1.46E-06	9.50E-05
1377	493877.33	3860502.55	2.06E-04	1.10E-08	1.29E-06	1.45E-06	2.09E-04	9.72E-05	4.52E-03	9.68E-05	5.33E-05	4.76E-03	9.25E-05	8.99E-09	1.29E-06	1.45E-06	9.52E-05
1378	493927.33	3860502.55	2.07E-04	1.08E-08	1.31E-06	1.44E-06	2.10E-04	9.75E-05	4.47E-03	9.81E-05	5.29E-05	4.71E-03	9.27E-05	8.90E-09	1.31E-06	1.44E-06	9.55E-05
1379	493977.33	3860502.55	2.07E-04	1.07E-08	1.31E-06	1.44E-06	2.10E-04	9.76E-05	4.42E-03	9.86E-05	5.26E-05	4.67E-03	9.28E-05	8.81E-09	1.31E-06	1.44E-06	9.55E-05
1380	494027.33	3860502.55	2.07E-04	1.06E-08	1.32E-06	1.43E-06	2.10E-04	9.76E-05	4.38E-03	9.93E-05	5.24E-05	4.63E-03	9.28E-05	8.73E-09	1.32E-06	1.43E-06	9.56E-05
1381	493627.33	3860552.55	1.99E-04	1.13E-08	1.19E-06	1.45E-06	2.02E-04	9.38E-05	4.66E-03	8.96E-05	5.31E-05	4.90E-03	8.92E-05	9.29E-09	1.19E-06	1.45E-06	9.18E-05
1382	493677.33	3860552.55	1.99E-04	1.12E-08	1.20E-06	1.44E-06	2.02E-04	9.39E-05	4.62E-03	8.99E-05	5.30E-05	4.86E-03	8.93E-05	9.21E-09	1.20E-06	1.44E-06	9.20E-05
1383	493727.33	3860552.55	1.99E-04	1.11E-08	1.20E-06	1.44E-06	2.02E-04	9.41E-05	4.58E-03	9.02E-05	5.28E-05	4.82E-03	8.94E-05	9.12E-09	1.20E-06	1.44E-06	9.21E-05
1384	493777.33	3860552.55	2.00E-04	1.10E-08	1.21E-06	1.43E-06	2.03E-04	9.43E-05	4.54E-03	9.09E-05	5.25E-05	4.77E-03	8.97E-05	9.03E-09	1.21E-06	1.43E-06	9.24E-05
1385	493827.33	3860552.55	2.01E-04	1.09E-08	1.22E-06	1.42E-06	2.03E-04	9.47E-05	4.49E-03	9.19E-05	5.22E-05	4.73E-03	9.01E-05	8.94E-09	1.22E-06	1.42E-06	9.27E-05
1386	493877.33	3860552.55	2.01E-04	1.08E-08	1.23E-06	1.42E-06	2.04E-04	9.48E-05	4.45E-03	9.24E-05	5.20E-05	4.69E-03	9.01E-05	8.86E-09	1.23E-06	1.42E-06	9.28E-05
1387	493927.33	3860552.55	2.02E-04	1.07E-08	1.24E-06	1.41E-06	2.04E-04	9.51E-05	4.40E-03	9.33E-05	5.17E-05	4.64E-03	9.04E-05	8.77E-09	1.24E-06	1.41E-06	9.31E-05
1388	493977.33	3860552.55	2.02E-04	1.06E-08	1.26E-06	1.40E-06	2.05E-04	9.54E-05	4.36E-03	9.44E-05	5.13E-05	4.60E-03	9.07E-05	8.68E-09	1.26E-06	1.40E-06	9.34E-05
1389	494027.33	3860552.55	2.02E-04	1.05E-08	1.27E-06	1.39E-06	2.05E-04	9.54E-05	4.32E-03	9.49E-05	5.11E-05	4.56E-03	9.07E-05	8.60E-09	1.27E-06	1.39E-06	9.34E-05
1390	493627.33	3860602.55	1.93E-04	1.11E-08	1.15E-06	1.41E-06	1.96E-04	9.12E-05	4.59E-03	8.60E-05	5.17E-05	4.82E-03	8.67E-05	9.14E-09	1.15E-06	1.41E-06	8.93E-05
1391	493727.33	3860602.55	1.94E-04	1.09E-08	1.15E-06	1.41E-06	1.96E-04	9.14E-05	4.50E-03	8.62E-05	5.15E-05	4.73E-03	8.69E-05	8.97E-09	1.15E-06	1.41E-06	8.95E-05
1392	493777.33	3860602.55	1.95E-04	1.08E-08	1.16E-06	1.39E-06	1.97E-04	9.19E-05	4.46E-03	8.72E-05	5.11E-05	4.69E-03	8.74E-05	8.88E-09	1.16E-06	1.39E-06	9.00E-05
1393	493827.33	3860602.55	1.95E-04	1.07E-08	1.17E-06	1.39E-06	1.98E-04	9.22E-05	4.42E-03	8.78E-05	5.09E-05	4.65E-03	8.76E-05	8.80E-09	1.17E-06	1.39E-06	9.02E-05
1394	493877.33	3860602.55	1.96E-04	1.06E-08	1.18E-06	1.38E-06	1.99E-04	9.26E-05	4.37E-03	8.87E-05	5.06E-05	4.61E-03	8.80E-05	8.71E-09	1.18E-06	1.38E-06	9.06E-05
1395	493927.33	3860602.55	1.97E-04	1.05E-08	1.19E-06	1.37E-06	1.99E-04	9.28E-05	4.33E-03	8.95E-05	5.03E-05	4.57E-03	8.83E-05	8.63E-09	1.19E-06	1.37E-06	9.09E-05
1396	493977.33	3860602.55	1.97E-04	1.04E-08	1.20E-06	1.36E-06	2.00E-04	9.31E-05	4.29E-03	9.03E-05	5.00E-05	4.52E-03	8.85E-05	8.55E-09	1.20E-06	1.36E-06	9.11E-05
1397	494027.33	3860602.55	1.97E-04	1.03E-08	1.21E-06	1.36E-06	2.00E-04	9.31E-05	4.25E-03	9.07E-05	4.99E-05	4.49E-03	8.86E-05	8.47E-09	1.21E-06	1.36E-06	9.11E-05
1398	493627.33	3860652.55	1.88E-04	1.09E-08	1.10E-06	1.37E-06	1.90E-04	8.86E-05	4.50E-03	8.27E-05	5.03E-05	4.73E-03	8.42E-05	8.97E-09	1.10E-06	1.37E-06	8.67E-05
1399	493727.33	3860652.55	1.88E-04	1.07E-08	1.10E-06	1.36E-06	1.91E-04	8.89E-05	4.42E-03	8.29E-05	4.99E-05	4.64E-03	8.45E-05	8.81E-09	1.10E-06	1.36E-06	8.70E-05

1400	493777.33	3860652.55	1.89E-04	1.06E-08	1.11E-06	1.36E-06	1.92E-04	8.93E-05	4.38E-03	8.36E-05	4.98E-05	4.60E-03	8.50E-05	8.73E-09	1.11E-06	1.36E-06	8.74E-05
1401	493827.33	3860652.55	1.90E-04	1.05E-08	1.12E-06	1.35E-06	1.93E-04	8.98E-05	4.34E-03	8.43E-05	4.96E-05	4.56E-03	8.54E-05	8.64E-09	1.12E-06	1.35E-06	8.78E-05
1402	493877.33	3860652.55	1.91E-04	1.04E-08	1.14E-06	1.34E-06	1.94E-04	9.02E-05	4.30E-03	8.52E-05	4.93E-05	4.52E-03	8.58E-05	8.56E-09	1.14E-06	1.34E-06	8.83E-05
1403	493927.33	3860652.55	1.92E-04	1.03E-08	1.14E-06	1.34E-06	1.94E-04	9.05E-05	4.26E-03	8.58E-05	4.90E-05	4.49E-03	8.61E-05	8.49E-09	1.14E-06	1.34E-06	8.86E-05
1404	493977.33	3860652.55	1.92E-04	1.02E-08	1.15E-06	1.33E-06	1.95E-04	9.07E-05	4.22E-03	8.64E-05	4.88E-05	4.45E-03	8.63E-05	8.41E-09	1.15E-06	1.33E-06	8.88E-05
1405	494027.33	3860652.55	1.93E-04	1.02E-08	1.16E-06	1.32E-06	1.96E-04	9.11E-05	4.18E-03	8.73E-05	4.85E-05	4.41E-03	8.66E-05	8.33E-09	1.16E-06	1.32E-06	8.91E-05
1406	494311.06	3858401.99	2.61E-04	5.30E-09	4.31E-06	2.15E-06	2.68E-04	1.23E-04	2.19E-03	3.23E-04	7.87E-05	2.71E-03	1.17E-04	4.35E-09	4.31E-06	2.15E-06	1.24E-04
1407	494361.06	3858401.99	2.57E-04	5.22E-09	4.25E-06	2.13E-06	2.63E-04	1.21E-04	2.15E-03	3.18E-04	7.80E-05	2.67E-03	1.15E-04	4.28E-09	4.25E-06	2.13E-06	1.22E-04
1408	494411.06	3858401.99	2.54E-04	5.16E-09	4.20E-06	2.11E-06	2.60E-04	1.20E-04	2.12E-03	3.15E-04	7.74E-05	2.64E-03	1.14E-04	4.23E-09	4.20E-06	2.11E-06	1.20E-04
1409	494461.06	3858401.99	2.53E-04	5.12E-09	4.17E-06	2.10E-06	2.59E-04	1.19E-04	2.11E-03	3.13E-04	7.69E-05	2.62E-03	1.13E-04	4.20E-09	4.17E-06	2.10E-06	1.20E-04
1410	494511.06	3858401.99	2.50E-04	5.06E-09	4.12E-06	2.08E-06	2.56E-04	1.18E-04	2.08E-03	3.09E-04	7.64E-05	2.59E-03	1.12E-04	4.15E-09	4.12E-06	2.08E-06	1.18E-04
1411	494561.06	3858401.99	2.48E-04	5.02E-09	4.09E-06	2.07E-06	2.55E-04	1.17E-04	2.07E-03	3.07E-04	7.59E-05	2.57E-03	1.11E-04	4.12E-09	4.09E-06	2.07E-06	1.18E-04
1412	494611.06	3858401.99	2.45E-04	4.95E-09	4.04E-06	2.06E-06	2.51E-04	1.16E-04	2.04E-03	3.03E-04	7.54E-05	2.54E-03	1.10E-04	4.07E-09	4.04E-06	2.06E-06	1.16E-04
1413	494661.06	3858401.99	2.42E-04	4.90E-09	4.00E-06	2.04E-06	2.48E-04	1.14E-04	2.02E-03	3.00E-04	7.49E-05	2.51E-03	1.09E-04	4.02E-09	4.00E-06	2.04E-06	1.15E-04
1414	494711.06	3858401.99	2.38E-04	4.82E-09	3.94E-06	2.02E-06	2.44E-04	1.12E-04	1.98E-03	2.96E-04	7.42E-05	2.47E-03	1.07E-04	3.95E-09	3.94E-06	2.02E-06	1.13E-04
1415	494761.06	3858401.99	2.36E-04	4.77E-09	3.91E-06	2.01E-06	2.42E-04	1.11E-04	1.97E-03	2.93E-04	7.38E-05	2.44E-03	1.06E-04	3.91E-09	3.91E-06	2.01E-06	1.12E-04
1416	494811.06	3858401.99	2.33E-04	4.71E-09	3.86E-06	2.00E-06	2.39E-04	1.10E-04	1.94E-03	2.90E-04	7.32E-05	2.41E-03	1.05E-04	3.86E-09	3.86E-06	2.00E-06	1.10E-04
1417	494861.06	3858401.99	2.30E-04	4.65E-09	3.82E-06	1.98E-06	2.36E-04	1.09E-04	1.92E-03	2.87E-04	7.27E-05	2.38E-03	1.03E-04	3.82E-09	3.82E-06	1.98E-06	1.09E-04
1418	494911.06	3858401.99	2.28E-04	4.60E-09	3.79E-06	1.97E-06	2.33E-04	1.07E-04	1.89E-03	2.84E-04	7.22E-05	2.36E-03	1.02E-04	3.77E-09	3.79E-06	1.97E-06	1.08E-04
1419	494961.06	3858401.99	2.25E-04	4.54E-09	3.75E-06	1.95E-06	2.31E-04	1.06E-04	1.87E-03	2.81E-04	7.17E-05	2.33E-03	1.01E-04	3.72E-09	3.75E-06	1.95E-06	1.07E-04
1420	495011.06	3858401.99	2.21E-04	4.47E-09	3.70E-06	1.94E-06	2.27E-04	1.04E-04	1.84E-03	2.77E-04	7.10E-05	2.29E-03	9.92E-05	3.67E-09	3.70E-06	1.94E-06	1.05E-04
1421	495061.06	3858401.99	2.18E-04	4.41E-09	3.65E-06	1.92E-06	2.24E-04	1.03E-04	1.82E-03	2.74E-04	7.05E-05	2.26E-03	9.79E-05	3.62E-09	3.65E-06	1.92E-06	1.04E-04
1422	495111.06	3858401.99	2.13E-04	4.31E-09	3.60E-06	1.90E-06	2.18E-04	1.00E-04	1.78E-03	2.70E-04	6.97E-05	2.22E-03	9.54E-05	3.54E-09	3.60E-06	1.90E-06	1.01E-04
1423	495161.06	3858401.99	2.12E-04	4.29E-09	3.57E-06	1.89E-06	2.17E-04	1.00E-04	1.77E-03	2.68E-04	6.94E-05	2.20E-03	9.51E-05	3.52E-09	3.57E-06	1.89E-06	1.01E-04
1424	495211.06	3858401.99	2.07E-04	4.20E-09	3.53E-06	1.87E-06	2.12E-04	9.76E-05	1.73E-03	2.64E-04	6.87E-05	2.16E-03	9.28E-05	3.45E-09	3.53E-06	1.87E-06	9.82E-05
1425	495261.06	3858401.99	2.05E-04	4.15E-09	3.49E-06	1.86E-06	2.10E-04	9.65E-05	1.71E-03	2.62E-04	6.83E-05	2.14E-03	9.17E-05	3.41E-09	3.49E-06	1.86E-06	9.71E-05
1426	495311.06	3858401.99	2.02E-04	4.10E-09	3.46E-06	1.85E-06	2.07E-04	9.52E-05	1.69E-03	2.59E-04	6.78E-05	2.11E-03	9.06E-05	3.36E-09	3.46E-06	1.85E-06	9.59E-05
1427	495361.06	3858401.99	2.00E-04	4.06E-09	3.43E-06	1.84E-06	2.06E-04	9.44E-05	1.67E-03	2.57E-04	6.73E-05	2.09E-03	8.98E-05	3.33E-09	3.43E-06	1.84E-06	9.51E-05
1428	495411.06	3858401.99	2.00E-04	4.03E-09	3.41E-06	1.83E-06	2.05E-04	9.41E-05	1.66E-03	2.56E-04	6.70E-05	2.08E-03	8.95E-05	3.31E-09	3.41E-06	1.83E-06	9.47E-05
1429	495461.06	3858401.99	1.99E-04	4.01E-09	3.39E-06	1.82E-06	2.04E-04	9.39E-05	1.65E-03	2.54E-04	6.67E-05	2.07E-03	8.93E-05	3.29E-09	3.39E-06	1.82E-06	9.45E-05
1430	495511.06	3858401.99	1.98E-04	3.99E-09	3.37E-06	1.81E-06	2.04E-04	9.36E-05	1.64E-03	2.53E-04	6.64E-05	2.06E-03	8.90E-05	3.27E-09	3.37E-06	1.81E-06	9.42E-05
1431	495561.06	3858401.99	1.97E-04	3.95E-09	3.36E-06	1.80E-06	2.02E-04	9.28E-05	1.63E-03	2.52E-04	6.61E-05	2.04E-03	8.82E-05	3.24E-09	3.36E-06	1.80E-06	9.34E-05
1432	495611.06	3858401.99	1.96E-04	3.92E-09	3.34E-06	1.79E-06	2.01E-04	9.25E-05	1.62E-03	2.50E-04	6.57E-05	2.03E-03	8.80E-05	3.22E-09	3.34E-06	1.79E-06	9.31E-05
1433	495661.06	3858401.99	1.97E-04	3.93E-09	3.32E-06	1.79E-06	2.02E-04	9.29E-05	1.62E-03	2.49E-04	6.55E-05	2.03E-03	8.83E-05	3.22E-09	3.32E-06	1.79E-06	9.34E-05
1434	494311.06	3858451.99	2.66E-04	5.49E-09	4.32E-06	2.17E-06	2.72E-04	1.25E-04	2.26E-03	3.24E-04	7.94E-05	2.79E-03	1.19E-04	4.51E-09	4.32E-06	2.17E-06	1.26E-04
1435	494361.06	3858451.99	2.62E-04	5.42E-09	4.25E-06	2.15E-06	2.69E-04	1.24E-04	2.23E-03	3.19E-04	7.88E-05	2.75E-03	1.18E-04	4.44E-09	4.25E-06	2.15E-06	1.24E-04
1436	494411.06	3858451.99	2.59E-04	5.35E-09	4.20E-06	2.13E-06	2.66E-04	1.22E-04	2.20E-03	3.15E-04	7.82E-05	2.72E-03	1.16E-04	4.39E-09	4.20E-06	2.13E-06	1.23E-04
1437	494461.06	3858451.99	2.57E-04	5.29E-09	4.15E-06	2.12E-06	2.63E-04	1.21E-04	2.18E-03	3.11E-04	7.76E-05	2.69E-03	1.15E-04	4.34E-09	4.15E-06	2.12E-06	1.22E-04
1438	494511.06	3858451.99	2.56E-04	5.25E-09	4.12E-06	2.11E-06	2.62E-04	1.21E-04	2.16E-03	3.09E-04	7.72E-05	2.67E-03	1.15E-04	4.31E-09	4.12E-06	2.11E-06	1.21E-04
1439	494561.06	3858451.99	2.52E-04	5.18E-09	4.07E-06	2.09E-06	2.58E-04	1.19E-04	2.13E-03	3.05E-04	7.66E-05	2.64E-03	1.13E-04	4.25E-09	4.07E-06	2.09E-06	1.19E-04
1440	494611.06	3858451.99	2.50E-04	5.13E-09	4.02E-06	2.07E-06	2.56E-04	1.18E-04	2.11E-03	3.02E-04	7.60E-05	2.61E-03	1.12E-04	4.21E-09	4.02E-06	2.07E-06	1.18E-04
1441	494661.06	3858451.99	2.47E-04	5.07E-09	3.98E-06	2.06E-06	2.53E-04	1.17E-04	2.09E-03	2.99E-04	7.55E-05	2.58E-03	1.11E-04	4.16E-09	3.98E-06	2.06E-06	1.17E-04
1442	494711.06	3858451.99	2.44E-04	4.99E-09	3.93E-06	2.04E-06	2.50E-04	1.15E-04	2.06E-03	2.95E-04	7.49E-05	2.54E-03	1.09E-04	4.10E-09	3.93E-06	2.04E-06	1.15E-04
1443	494761.06	3858451.99	2.40E-04	4.92E-09	3.88E-06	2.03E-06	2.46E-04	1.13E-04	2.03E-03	2.91E-04	7.43E-05	2.51E-03	1.08E-04	4.04E-09	3.88E-06	2.03E-06	1.14E-04
1444	494811.06	3858451.99	2.37E-04	4.86E-09	3.84E-06	2.01E-06	2.43E-04	1.12E-04	2.00E-03	2.88E-04	7.37E-05	2.48E-03	1.06E-04	3.99E-09	3.84E-06	2.01E-06	1.12E-04
1445	494861.06	3858451.99	2.34E-04	4.80E-09	3.79E-06	2.00E-06	2.40E-04	1.10E-04	1.98E-03	2.84E-04	7.32E-05	2.44E-03	1.05E-04	3.94E-09	3.79E-06	2.00E-06	1.11E-04
1446	494911.06	3858451.99	2.30E-04	4.71E-09	3.75E-06	1.98E-06	2.36E-04	1.09E-04	1.94E-03	2.81E-04	7.27E-05	2.40E-03	1.03E-04	3.87E-09	3.75E-06	1.98E-06	1.09E-04
1447	494961.06	3858451.99	2.27E-04	4.65E-09	3.70E-06	1.96E-06	2.32E-04	1.07E-04	1.91E-03	2.77E-04	7.19E-05	2.37E-03	1.02E-04	3.81E-09	3.70E-06	1.96E-06	1.07E-04
1448	495011.06	3858451.99	2.23E-04	4.57E-09	3.65E-06	1.94E-06	2.28E-04	1.05E-04	1.88E-03	2.74E-04	7.13E-05	2.33E-03	9.98E-05	3.75E-09	3.65E-06	1.94E-06	1.05E-04
1449	495061.06	3858451.99	2.21E-04	4.53E-09	3.62E-06	1.93E-06	2.26E-04	1.04E-04	1.87E-03	2.72E-04	7.09E-05	2.31E-03	9.91E-05	3.72E-09	3.62E-06	1.93E-06	1.05E-04
1450	495111.06	3858451.99	2.17E-04	4.46E-09	3.57E-06	1.92E-06	2.23E-04	1.02E-04	1.84E-03	2.68E-04	7.03E-05	2.28E-03	9.73E-05	3.66E-09	3.57E-06	1.92E-06	1.03E-04
1451	495161.06	3858451.99	2.13E-04	4.38E-09	3.51E-06	1.90E-06	2.18E-04	1.00E-04	1.80E-03	2.64E-04	6.96E-05	2.24E-03	9.54E-05	3.59E-09	3.51E-06	1.90E-06	1.01E-04
1452	495211.06	3858451.99	2.09E-04	4.30E-09	3.47E-06	1.88E-06	2.14E-04	9.85E-05	1.77E-03	2.60E-04	6.89E-05	2.20E-03	9.37E-05	3.53E-09	3.47E-06	1.88E-06	9.90E-05
1453	495261.06	3858451.99	2.06E-04	4.25E-09	3.44E-06	1.87E-06	2.12E-04	9.74E-05	1.75E-03	2.58E-04	6.85E-05	2.17E-03	9.26E-05	3.49E-09	3.44E-06	1.87E-06	9.79E-05
1454	495311.06	3858451.99	2.05E-04	4.21E-09	3.41E-06	1.85E-06	2.10E-04	9.65E-05	1.73E-03	2.56E-04	6.80E-05	2.15E-03	9.18E-05	3.45E-09	3.41E-06	1.85E-06	9.70E-05
1455	495361.06	3858451.99	2.03E-04	4.17E-09	3.39E-06	1.84E-06	2.08E-04	9.57E-05	1.72E-03	2.54E-04	6.76E-05	2.13E-03	9.10E-05	3.42E-09	3.39E-06	1.84E-06	9.62E-05
1456	495411.06	3858451.99	2.02E-04	4.15E-09	3.37E-06	1.83E-06	2.08E-04	9.54E-05	1.71E-03	2.53E-04	6.73E-05	2.12E-03	9.07E-05	3.40E-09	3.37E-06	1.83E-06	9.60E-05
1457	495461.06	3858451.99	2.02E-04	4.13E-09	3.36E-06	1.83E-06	2.07E-04	9.53E-05	1.70E-03	2.52E-04	6.70E-05	2.11E-03	9.06E-05	3.39E-09	3.36E-06	1.83E-06	9.58E-05
1458	495511.06	3858451.99	2.00E-04	4.08E-09	3.33E-06	1.81E-06	2.05E-04	9.44E-05	1.68E-03	2.50E-04	6.65E-05	2.09E-03	8.98E-05	3.35E-09	3.33E-06	1.81E-06	9.49E-05
1459	495561.06	3858451.99	2.01E-04	4.08E-09	3.32E-06	1.81E-06	2.06E-04	9.47E-05	1.68E-03	2.49E-04	6.63E-05	2.09E-03	9.00E-05	3.35E-09	3.32E-06	1.81E-06	9.52E-05
1460	495611.06	3858451.99	1.98E-04	4.03E-09	3.29E-06	1.80E-06	2.03E-04	9.36E-05	1.66E-03	2.47E-04	6.58E-05	2.07E-03	8.90E-05	3.31E-09	3.29E-06	1.80E-06	9.41E-05

1461	495661.06	3858451.99	1.98E-04	4.01E-09	3.28E-06	1.79E-06	2.03E-04	9.36E-05	1.65E-03	2.46E-04	6.55E-05	2.06E-03	8.90E-05	3.29E-09	3.28E-06	1.79E-06	9.40E-05
1462	494311.06	3858501.99	2.65E-04	5.60E-09	4.27E-06	2.18E-06	2.72E-04	1.25E-04	2.31E-03	3.20E-04	7.98E-05	2.83E-03	1.19E-04	4.60E-09	4.27E-06	2.18E-06	1.25E-04
1463	494361.06	3858501.99	2.63E-04	5.55E-09	4.23E-06	2.16E-06	2.70E-04	1.24E-04	2.29E-03	3.17E-04	7.93E-05	2.81E-03	1.18E-04	4.55E-09	4.23E-06	2.16E-06	1.24E-04
1464	494411.06	3858501.99	2.61E-04	5.48E-09	4.18E-06	2.15E-06	2.67E-04	1.23E-04	2.26E-03	3.14E-04	7.87E-05	2.78E-03	1.17E-04	4.50E-09	4.18E-06	2.15E-06	1.23E-04
1465	494461.06	3858501.99	2.59E-04	5.44E-09	4.15E-06	2.13E-06	2.66E-04	1.22E-04	2.24E-03	3.11E-04	7.82E-05	2.75E-03	1.16E-04	4.46E-09	4.15E-06	2.13E-06	1.23E-04
1466	494511.06	3858501.99	2.56E-04	5.36E-09	4.08E-06	2.11E-06	2.62E-04	1.21E-04	2.21E-03	3.06E-04	7.75E-05	2.71E-03	1.15E-04	4.40E-09	4.08E-06	2.11E-06	1.21E-04
1467	494561.06	3858501.99	2.57E-04	5.35E-09	4.07E-06	2.11E-06	2.63E-04	1.21E-04	2.21E-03	3.06E-04	7.73E-05	2.71E-03	1.15E-04	4.39E-09	4.07E-06	2.11E-06	1.21E-04
1468	494611.06	3858501.99	2.54E-04	5.29E-09	4.01E-06	2.09E-06	2.60E-04	1.20E-04	2.18E-03	3.01E-04	7.67E-05	2.67E-03	1.14E-04	4.34E-09	4.01E-06	2.09E-06	1.20E-04
1469	494661.06	3858501.99	2.52E-04	5.24E-09	3.98E-06	2.08E-06	2.58E-04	1.19E-04	2.16E-03	2.98E-04	7.61E-05	2.65E-03	1.13E-04	4.30E-09	3.98E-06	2.08E-06	1.19E-04
1470	494711.06	3858501.99	2.48E-04	5.16E-09	3.92E-06	2.06E-06	2.54E-04	1.17E-04	2.13E-03	2.94E-04	7.55E-05	2.61E-03	1.11E-04	4.23E-09	3.92E-06	2.06E-06	1.17E-04
1471	494761.06	3858501.99	2.44E-04	5.07E-09	3.86E-06	2.04E-06	2.50E-04	1.15E-04	2.09E-03	2.90E-04	7.48E-05	2.57E-03	1.09E-04	4.16E-09	3.86E-06	2.04E-06	1.15E-04
1472	494811.06	3858501.99	2.40E-04	5.00E-09	3.81E-06	2.02E-06	2.46E-04	1.13E-04	2.06E-03	2.86E-04	7.41E-05	2.53E-03	1.08E-04	4.10E-09	3.81E-06	2.02E-06	1.13E-04
1473	494861.06	3858501.99	2.38E-04	4.94E-09	3.77E-06	2.01E-06	2.43E-04	1.12E-04	2.03E-03	2.83E-04	7.36E-05	2.50E-03	1.07E-04	4.05E-09	3.77E-06	2.01E-06	1.12E-04
1474	494911.06	3858501.99	2.32E-04	4.84E-09	3.70E-06	1.99E-06	2.38E-04	1.09E-04	1.99E-03	2.78E-04	7.28E-05	2.45E-03	1.04E-04	3.97E-09	3.70E-06	1.99E-06	1.10E-04
1475	494961.06	3858501.99	2.29E-04	4.78E-09	3.66E-06	1.97E-06	2.35E-04	1.08E-04	1.97E-03	2.75E-04	7.23E-05	2.42E-03	1.03E-04	3.92E-09	3.66E-06	1.97E-06	1.09E-04
1476	495011.06	3858501.99	2.25E-04	4.69E-09	3.61E-06	1.95E-06	2.30E-04	1.06E-04	1.93E-03	2.71E-04	7.16E-05	2.38E-03	1.01E-04	3.85E-09	3.61E-06	1.95E-06	1.06E-04
1477	495061.06	3858501.99	2.23E-04	4.65E-09	3.58E-06	1.94E-06	2.29E-04	1.05E-04	1.91E-03	2.68E-04	7.12E-05	2.36E-03	1.00E-04	3.81E-09	3.58E-06	1.94E-06	1.06E-04
1478	495111.06	3858501.99	2.17E-04	4.54E-09	3.52E-06	1.92E-06	2.23E-04	1.03E-04	1.87E-03	2.64E-04	7.04E-05	2.31E-03	9.75E-05	3.73E-09	3.52E-06	1.92E-06	1.03E-04
1479	495161.06	3858501.99	2.14E-04	4.47E-09	3.48E-06	1.90E-06	2.19E-04	1.01E-04	1.84E-03	2.61E-04	6.98E-05	2.27E-03	9.60E-05	3.67E-09	3.48E-06	1.90E-06	1.01E-04
1480	495211.06	3858501.99	2.11E-04	4.40E-09	3.43E-06	1.89E-06	2.16E-04	9.93E-05	1.81E-03	2.57E-04	6.92E-05	2.24E-03	9.44E-05	3.61E-09	3.43E-06	1.89E-06	9.97E-05
1481	495261.06	3858501.99	2.08E-04	4.35E-09	3.39E-06	1.87E-06	2.14E-04	9.82E-05	1.79E-03	2.54E-04	6.87E-05	2.21E-03	9.34E-05	3.57E-09	3.39E-06	1.87E-06	9.87E-05
1482	495311.06	3858501.99	2.07E-04	4.32E-09	3.37E-06	1.86E-06	2.12E-04	9.77E-05	1.78E-03	2.53E-04	6.83E-05	2.20E-03	9.29E-05	3.54E-09	3.37E-06	1.86E-06	9.81E-05
1483	495361.06	3858501.99	2.06E-04	4.29E-09	3.35E-06	1.85E-06	2.11E-04	9.72E-05	1.77E-03	2.51E-04	6.79E-05	2.18E-03	9.24E-05	3.52E-09	3.35E-06	1.85E-06	9.76E-05
1484	495411.06	3858501.99	2.05E-04	4.26E-09	3.33E-06	1.84E-06	2.11E-04	9.69E-05	1.75E-03	2.50E-04	6.75E-05	2.17E-03	9.21E-05	3.50E-09	3.33E-06	1.84E-06	9.73E-05
1485	495461.06	3858501.99	2.05E-04	4.24E-09	3.31E-06	1.83E-06	2.10E-04	9.66E-05	1.74E-03	2.49E-04	6.72E-05	2.16E-03	9.19E-05	3.48E-09	3.31E-06	1.83E-06	9.70E-05
1486	495511.06	3858501.99	2.04E-04	4.20E-09	3.29E-06	1.82E-06	2.09E-04	9.61E-05	1.73E-03	2.47E-04	6.68E-05	2.14E-03	9.14E-05	3.45E-09	3.29E-06	1.82E-06	9.65E-05
1487	495561.06	3858501.99	2.04E-04	4.20E-09	3.28E-06	1.82E-06	2.09E-04	9.63E-05	1.73E-03	2.46E-04	6.66E-05	2.14E-03	9.16E-05	3.44E-09	3.28E-06	1.82E-06	9.67E-05
1488	495611.06	3858501.99	2.03E-04	4.16E-09	3.27E-06	1.81E-06	2.08E-04	9.58E-05	1.71E-03	2.45E-04	6.63E-05	2.12E-03	9.11E-05	3.41E-09	3.27E-06	1.81E-06	9.61E-05
1489	495661.06	3858501.99	2.02E-04	4.14E-09	3.24E-06	1.80E-06	2.07E-04	9.54E-05	1.70E-03	2.43E-04	6.58E-05	2.11E-03	9.07E-05	3.39E-09	3.24E-06	1.80E-06	9.58E-05
1490	494311.06	3858551.99	2.61E-04	5.63E-09	4.22E-06	2.18E-06	2.67E-04	1.23E-04	2.32E-03	3.17E-04	8.00E-05	2.84E-03	1.17E-04	4.62E-09	4.22E-06	2.18E-06	1.23E-04
1491	494361.06	3858551.99	2.63E-04	5.64E-09	4.24E-06	2.18E-06	2.69E-04	1.24E-04	2.32E-03	3.18E-04	7.98E-05	2.85E-03	1.18E-04	4.63E-09	4.24E-06	2.18E-06	1.24E-04
1492	494411.06	3858551.99	2.64E-04	5.65E-09	4.20E-06	2.16E-06	2.70E-04	1.24E-04	2.33E-03	3.15E-04	7.94E-05	2.85E-03	1.18E-04	4.64E-09	4.20E-06	2.16E-06	1.25E-04
1493	494461.06	3858551.99	2.64E-04	5.62E-09	4.18E-06	2.15E-06	2.70E-04	1.24E-04	2.32E-03	3.14E-04	7.90E-05	2.83E-03	1.18E-04	4.61E-09	4.18E-06	2.15E-06	1.25E-04
1494	494511.06	3858551.99	2.62E-04	5.57E-09	4.14E-06	2.14E-06	2.68E-04	1.23E-04	2.30E-03	3.10E-04	7.85E-05	2.81E-03	1.17E-04	4.57E-09	4.14E-06	2.14E-06	1.24E-04
1495	494561.06	3858551.99	2.60E-04	5.53E-09	4.10E-06	2.13E-06	2.67E-04	1.23E-04	2.28E-03	3.08E-04	7.80E-05	2.79E-03	1.17E-04	4.54E-09	4.10E-06	2.13E-06	1.23E-04
1496	494611.06	3858551.99	2.58E-04	5.47E-09	4.05E-06	2.11E-06	2.64E-04	1.22E-04	2.25E-03	3.04E-04	7.74E-05	2.76E-03	1.16E-04	4.49E-09	4.05E-06	2.11E-06	1.22E-04
1497	494661.06	3858551.99	2.56E-04	5.41E-09	4.00E-06	2.10E-06	2.62E-04	1.21E-04	2.23E-03	3.00E-04	7.68E-05	2.73E-03	1.15E-04	4.44E-09	4.00E-06	2.10E-06	1.21E-04
1498	494711.06	3858551.99	2.52E-04	5.32E-09	3.94E-06	2.08E-06	2.58E-04	1.19E-04	2.19E-03	2.96E-04	7.61E-05	2.68E-03	1.13E-04	4.37E-09	3.94E-06	2.08E-06	1.19E-04
1499	494761.06	3858551.99	2.48E-04	5.24E-09	3.88E-06	2.06E-06	2.54E-04	1.17E-04	2.16E-03	2.91E-04	7.54E-05	2.64E-03	1.11E-04	4.30E-09	3.88E-06	2.06E-06	1.17E-04
1500	494811.06	3858551.99	2.45E-04	5.17E-09	3.81E-06	2.04E-06	2.51E-04	1.16E-04	2.13E-03	2.86E-04	7.48E-05	2.61E-03	1.10E-04	4.24E-09	3.81E-06	2.04E-06	1.16E-04
1501	494861.06	3858551.99	2.41E-04	5.09E-09	3.76E-06	2.02E-06	2.47E-04	1.14E-04	2.10E-03	2.82E-04	7.41E-05	2.56E-03	1.08E-04	4.17E-09	3.76E-06	2.02E-06	1.14E-04
1502	494911.06	3858551.99	2.36E-04	4.99E-09	3.69E-06	2.00E-06	2.42E-04	1.11E-04	2.06E-03	2.77E-04	7.33E-05	2.52E-03	1.06E-04	4.09E-09	3.69E-06	2.00E-06	1.12E-04
1503	494961.06	3858551.99	2.33E-04	4.91E-09	3.64E-06	1.98E-06	2.38E-04	1.10E-04	2.02E-03	2.73E-04	7.27E-05	2.48E-03	1.04E-04	4.03E-09	3.64E-06	1.98E-06	1.10E-04
1504	495011.06	3858551.99	2.28E-04	4.82E-09	3.59E-06	1.96E-06	2.33E-04	1.07E-04	1.99E-03	2.69E-04	7.19E-05	2.43E-03	1.02E-04	3.96E-09	3.59E-06	1.96E-06	1.08E-04
1505	495061.06	3858551.99	2.25E-04	4.76E-09	3.54E-06	1.95E-06	2.30E-04	1.06E-04	1.96E-03	2.66E-04	7.14E-05	2.40E-03	1.01E-04	3.91E-09	3.54E-06	1.95E-06	1.06E-04
1506	495111.06	3858551.99	2.19E-04	4.65E-09	3.48E-06	1.93E-06	2.25E-04	1.03E-04	1.92E-03	2.61E-04	7.06E-05	2.35E-03	9.83E-05	3.82E-09	3.48E-06	1.93E-06	1.04E-04
1507	495161.06	3858551.99	2.16E-04	4.58E-09	3.44E-06	1.91E-06	2.21E-04	1.02E-04	1.89E-03	2.58E-04	7.00E-05	2.31E-03	9.67E-05	3.76E-09	3.44E-06	1.91E-06	1.02E-04
1508	495211.06	3858551.99	2.13E-04	4.51E-09	3.40E-06	1.89E-06	2.18E-04	1.00E-04	1.86E-03	2.55E-04	6.94E-05	2.28E-03	9.53E-05	3.70E-09	3.40E-06	1.89E-06	1.01E-04
1509	495261.06	3858551.99	2.11E-04	4.46E-09	3.37E-06	1.88E-06	2.16E-04	9.93E-05	1.84E-03	2.53E-04	6.90E-05	2.26E-03	9.44E-05	3.66E-09	3.37E-06	1.88E-06	9.97E-05
1510	495311.06	3858551.99	2.10E-04	4.43E-09	3.35E-06	1.87E-06	2.15E-04	9.89E-05	1.83E-03	2.51E-04	6.86E-05	2.25E-03	9.41E-05	3.64E-09	3.35E-06	1.87E-06	9.93E-05
1511	495361.06	3858551.99	2.09E-04	4.40E-09	3.33E-06	1.86E-06	2.14E-04	9.85E-05	1.81E-03	2.50E-04	6.82E-05	2.23E-03	9.36E-05	3.61E-09	3.33E-06	1.86E-06	9.88E-05
1512	495411.06	3858551.99	2.08E-04	4.38E-09	3.31E-06	1.85E-06	2.14E-04	9.83E-05	1.80E-03	2.49E-04	6.79E-05	2.22E-03	9.35E-05	3.59E-09	3.31E-06	1.85E-06	9.87E-05
1513	495461.06	3858551.99	2.08E-04	4.35E-09	3.29E-06	1.84E-06	2.13E-04	9.80E-05	1.79E-03	2.47E-04	6.75E-05	2.21E-03	9.31E-05	3.57E-09	3.29E-06	1.84E-06	9.83E-05
1514	495511.06	3858551.99	2.07E-04	4.33E-09	3.28E-06	1.83E-06	2.13E-04	9.79E-05	1.78E-03	2.46E-04	6.72E-05	2.20E-03	9.31E-05	3.56E-09	3.28E-06	1.83E-06	9.82E-05
1515	495561.06	3858551.99	2.07E-04	4.30E-09	3.26E-06	1.82E-06	2.12E-04	9.75E-05	1.77E-03	2.45E-04	6.68E-05	2.18E-03	9.27E-05	3.53E-09	3.26E-06	1.82E-06	9.78E-05
1516	495611.06	3858551.99	2.06E-04	4.27E-09	3.24E-06	1.81E-06	2.11E-04	9.70E-05	1.76E-03	2.43E-04	6.64E-05	2.17E-03	9.22E-05	3.50E-09	3.24E-06	1.81E-06	9.72E-05
1517	495661.06	3858551.99	2.04E-04	4.23E-09	3.21E-06	1.80E-06	2.09E-04	9.63E-05	1.74E-03	2.41E-04	6.60E-05	2.15E-03	9.16E-05	3.47E-09	3.21E-06	1.80E-06	9.66E-05
1518	494311.06	3858601.99	2.44E-04	5.50E-09	3.93E-06	2.14E-06	2.50E-04	1.15E-04	2.27E-03	2.95E-04	7.86E-05	2.75E-03	1.10E-04	4.51E-09	3.93E-06	2.14E-06	1.16E-04
1519	494361.06	3858601.99	2.59E-04	5.70E-09	4.17E-06	2.18E-06	2.66E-04	1.22E-04	2.35E-03	3.13E-04	7.99E-05	2.86E-03	1.16E-04	4.68E-09	4.17E-06	2.18E-06	1.23E-04
1520	494411.06	3858601.99	2.69E-04	5.85E-09	4.22E-06	2.19E-06	2.75E-04	1.27E-04	2.41E-03	3.16E-04	8.03E-05	2.93E-03	1.20E-04	4.80E-09	4.22E-06	2.19E-06	1.27E-04
1521	494461.06	3858601.99	2.68E-04	5.82E-09	4.19E-06	2.18E-06	2.75E-04	1.26E-04	2.40E-03	3.14E-04	7.99E-05	2.92E-03	1.20E-04	4.77E-09	4.19E-06	2.18E-06	1.27E-04

1522	494511.06	3858601.99	2.65E-04	5.73E-09	4.17E-06	2.17E-06	2.72E-04	1.25E-04	2.36E-03	3.12E-04	7.94E-05	2.88E-03	1.19E-04	4.70E-09	4.17E-06	2.17E-06	1.25E-04
1523	494561.06	3858601.99	2.66E-04	5.73E-09	4.13E-06	2.15E-06	2.72E-04	1.25E-04	2.36E-03	3.10E-04	7.89E-05	2.87E-03	1.19E-04	4.70E-09	4.13E-06	2.15E-06	1.25E-04
1524	494611.06	3858601.99	2.62E-04	5.65E-09	4.08E-06	2.13E-06	2.69E-04	1.24E-04	2.33E-03	3.06E-04	7.82E-05	2.83E-03	1.18E-04	4.63E-09	4.08E-06	2.13E-06	1.24E-04
1525	494661.06	3858601.99	2.60E-04	5.59E-09	4.04E-06	2.11E-06	2.66E-04	1.23E-04	2.30E-03	3.03E-04	7.75E-05	2.80E-03	1.17E-04	4.58E-09	4.04E-06	2.11E-06	1.23E-04
1526	494711.06	3858601.99	2.56E-04	5.50E-09	3.98E-06	2.09E-06	2.62E-04	1.21E-04	2.27E-03	2.99E-04	7.68E-05	2.76E-03	1.15E-04	4.51E-09	3.98E-06	2.09E-06	1.21E-04
1527	494761.06	3858601.99	2.52E-04	5.41E-09	3.91E-06	2.07E-06	2.58E-04	1.19E-04	2.23E-03	2.93E-04	7.61E-05	2.72E-03	1.13E-04	4.44E-09	3.91E-06	2.07E-06	1.19E-04
1528	494811.06	3858601.99	2.47E-04	5.29E-09	3.82E-06	2.05E-06	2.52E-04	1.16E-04	2.18E-03	2.87E-04	7.51E-05	2.66E-03	1.11E-04	4.35E-09	3.82E-06	2.05E-06	1.16E-04
1529	494861.06	3858601.99	2.44E-04	5.23E-09	3.77E-06	2.03E-06	2.49E-04	1.15E-04	2.15E-03	2.83E-04	7.45E-05	2.63E-03	1.09E-04	4.29E-09	3.77E-06	2.03E-06	1.15E-04
1530	494911.06	3858601.99	2.38E-04	5.12E-09	3.68E-06	2.01E-06	2.44E-04	1.12E-04	2.11E-03	2.76E-04	7.36E-05	2.57E-03	1.07E-04	4.20E-09	3.68E-06	2.01E-06	1.13E-04
1531	494961.06	3858601.99	2.35E-04	5.04E-09	3.63E-06	1.99E-06	2.40E-04	1.11E-04	2.07E-03	2.72E-04	7.30E-05	2.53E-03	1.05E-04	4.13E-09	3.63E-06	1.99E-06	1.11E-04
1532	495011.06	3858601.99	2.31E-04	4.95E-09	3.57E-06	1.97E-06	2.36E-04	1.09E-04	2.04E-03	2.68E-04	7.23E-05	2.49E-03	1.03E-04	4.07E-09	3.57E-06	1.97E-06	1.09E-04
1533	495061.06	3858601.99	2.27E-04	4.87E-09	3.52E-06	1.95E-06	2.32E-04	1.07E-04	2.01E-03	2.64E-04	7.16E-05	2.45E-03	1.02E-04	4.00E-09	3.52E-06	1.95E-06	1.07E-04
1534	495111.06	3858601.99	2.20E-04	4.75E-09	3.44E-06	1.93E-06	2.26E-04	1.04E-04	1.96E-03	2.58E-04	7.08E-05	2.39E-03	9.88E-05	3.90E-09	3.44E-06	1.93E-06	1.04E-04
1535	495161.06	3858601.99	2.17E-04	4.69E-09	3.40E-06	1.91E-06	2.23E-04	1.02E-04	1.93E-03	2.55E-04	7.02E-05	2.36E-03	9.75E-05	3.85E-09	3.40E-06	1.91E-06	1.03E-04
1536	495211.06	3858601.99	2.15E-04	4.64E-09	3.37E-06	1.90E-06	2.21E-04	1.02E-04	1.91E-03	2.53E-04	6.97E-05	2.33E-03	9.66E-05	3.81E-09	3.37E-06	1.90E-06	1.02E-04
1537	495261.06	3858601.99	2.13E-04	4.58E-09	3.34E-06	1.89E-06	2.19E-04	1.01E-04	1.89E-03	2.51E-04	6.92E-05	2.31E-03	9.57E-05	3.76E-09	3.34E-06	1.89E-06	1.01E-04
1538	495311.06	3858601.99	2.12E-04	4.54E-09	3.32E-06	1.87E-06	2.17E-04	9.99E-05	1.87E-03	2.49E-04	6.87E-05	2.29E-03	9.50E-05	3.73E-09	3.32E-06	1.87E-06	1.00E-04
1539	495361.06	3858601.99	2.11E-04	4.51E-09	3.30E-06	1.86E-06	2.16E-04	9.96E-05	1.86E-03	2.47E-04	6.84E-05	2.27E-03	9.47E-05	3.70E-09	3.30E-06	1.86E-06	9.99E-05
1540	495411.06	3858601.99	2.11E-04	4.49E-09	3.28E-06	1.85E-06	2.16E-04	9.93E-05	1.85E-03	2.46E-04	6.80E-05	2.26E-03	9.44E-05	3.68E-09	3.28E-06	1.85E-06	9.96E-05
1541	495461.06	3858601.99	2.10E-04	4.46E-09	3.26E-06	1.84E-06	2.15E-04	9.91E-05	1.84E-03	2.45E-04	6.76E-05	2.25E-03	9.42E-05	3.66E-09	3.26E-06	1.84E-06	9.93E-05
1542	495511.06	3858601.99	2.09E-04	4.42E-09	3.24E-06	1.83E-06	2.14E-04	9.84E-05	1.82E-03	2.43E-04	6.72E-05	2.23E-03	9.35E-05	3.63E-09	3.24E-06	1.83E-06	9.86E-05
1543	495561.06	3858601.99	2.09E-04	4.40E-09	3.23E-06	1.82E-06	2.14E-04	9.84E-05	1.81E-03	2.42E-04	6.69E-05	2.22E-03	9.36E-05	3.61E-09	3.23E-06	1.82E-06	9.86E-05
1544	495611.06	3858601.99	2.07E-04	4.36E-09	3.20E-06	1.81E-06	2.12E-04	9.75E-05	1.79E-03	2.40E-04	6.65E-05	2.20E-03	9.27E-05	3.58E-09	3.20E-06	1.81E-06	9.77E-05
1545	495661.06	3858601.99	2.06E-04	4.34E-09	3.19E-06	1.80E-06	2.11E-04	9.74E-05	1.79E-03	2.39E-04	6.61E-05	2.19E-03	9.26E-05	3.56E-09	3.19E-06	1.80E-06	9.76E-05
1546	494311.06	3858651.99	2.40E-04	5.55E-09	3.84E-06	2.14E-06	2.46E-04	1.13E-04	2.29E-03	2.88E-04	7.85E-05	2.77E-03	1.08E-04	4.55E-09	3.84E-06	2.14E-06	1.14E-04
1547	494361.06	3858651.99	2.55E-04	5.75E-09	4.09E-06	2.18E-06	2.61E-04	1.20E-04	2.37E-03	3.07E-04	7.98E-05	2.88E-03	1.14E-04	4.72E-09	4.09E-06	2.18E-06	1.21E-04
1548	494411.06	3858651.99	2.71E-04	5.99E-09	4.28E-06	2.21E-06	2.77E-04	1.28E-04	2.47E-03	3.21E-04	8.12E-05	3.00E-03	1.21E-04	4.92E-09	4.28E-06	2.21E-06	1.28E-04
1549	494461.06	3858651.99	2.71E-04	6.00E-09	4.20E-06	2.20E-06	2.78E-04	1.28E-04	2.47E-03	3.15E-04	8.06E-05	3.00E-03	1.22E-04	4.92E-09	4.20E-06	2.20E-06	1.28E-04
1550	494511.06	3858651.99	2.70E-04	5.94E-09	4.16E-06	2.18E-06	2.76E-04	1.27E-04	2.45E-03	3.12E-04	8.00E-05	2.97E-03	1.21E-04	4.88E-09	4.16E-06	2.18E-06	1.27E-04
1551	494561.06	3858651.99	2.69E-04	5.90E-09	4.14E-06	2.17E-06	2.75E-04	1.27E-04	2.43E-03	3.10E-04	7.95E-05	2.95E-03	1.20E-04	4.84E-09	4.14E-06	2.17E-06	1.27E-04
1552	494611.06	3858651.99	2.67E-04	5.84E-09	4.10E-06	2.15E-06	2.73E-04	1.26E-04	2.41E-03	3.07E-04	7.90E-05	2.92E-03	1.20E-04	4.80E-09	4.10E-06	2.15E-06	1.26E-04
1553	494661.06	3858651.99	2.64E-04	5.77E-09	4.05E-06	2.13E-06	2.70E-04	1.24E-04	2.38E-03	3.03E-04	7.83E-05	2.88E-03	1.18E-04	4.73E-09	4.05E-06	2.13E-06	1.25E-04
1554	494711.06	3858651.99	2.59E-04	5.66E-09	3.98E-06	2.11E-06	2.66E-04	1.22E-04	2.33E-03	2.99E-04	7.75E-05	2.83E-03	1.16E-04	4.65E-09	3.98E-06	2.11E-06	1.22E-04
1555	494761.06	3858651.99	2.56E-04	5.58E-09	3.93E-06	2.09E-06	2.62E-04	1.21E-04	2.30E-03	2.95E-04	7.68E-05	2.79E-03	1.15E-04	4.58E-09	3.93E-06	2.09E-06	1.21E-04
1556	494811.06	3858651.99	2.51E-04	5.47E-09	3.86E-06	2.07E-06	2.57E-04	1.18E-04	2.25E-03	2.90E-04	7.58E-05	2.74E-03	1.13E-04	4.49E-09	3.86E-06	2.07E-06	1.18E-04
1557	494861.06	3858651.99	2.46E-04	5.37E-09	3.78E-06	2.04E-06	2.52E-04	1.16E-04	2.21E-03	2.84E-04	7.50E-05	2.69E-03	1.10E-04	4.41E-09	3.78E-06	2.04E-06	1.16E-04
1558	494911.06	3858651.99	2.41E-04	5.26E-09	3.70E-06	2.02E-06	2.47E-04	1.14E-04	2.17E-03	2.78E-04	7.40E-05	2.63E-03	1.08E-04	4.31E-09	3.70E-06	2.02E-06	1.14E-04
1559	494961.06	3858651.99	2.36E-04	5.16E-09	3.63E-06	2.00E-06	2.42E-04	1.11E-04	2.13E-03	2.72E-04	7.33E-05	2.58E-03	1.06E-04	4.23E-09	3.63E-06	2.00E-06	1.12E-04
1560	495011.06	3858651.99	2.33E-04	5.08E-09	3.56E-06	1.98E-06	2.38E-04	1.10E-04	2.09E-03	2.67E-04	7.26E-05	2.54E-03	1.04E-04	4.17E-09	3.56E-06	1.98E-06	1.10E-04
1561	495061.06	3858651.99	2.29E-04	4.99E-09	3.51E-06	1.96E-06	2.34E-04	1.08E-04	2.06E-03	2.63E-04	7.19E-05	2.50E-03	1.03E-04	4.10E-09	3.51E-06	1.96E-06	1.08E-04
1562	495111.06	3858651.99	2.24E-04	4.89E-09	3.44E-06	1.94E-06	2.29E-04	1.06E-04	2.02E-03	2.58E-04	7.10E-05	2.45E-03	1.00E-04	4.02E-09	3.44E-06	1.94E-06	1.06E-04
1563	495161.06	3858651.99	2.21E-04	4.82E-09	3.40E-06	1.92E-06	2.26E-04	1.04E-04	1.99E-03	2.55E-04	7.04E-05	2.42E-03	9.91E-05	3.96E-09	3.40E-06	1.92E-06	1.04E-04
1564	495211.06	3858651.99	2.18E-04	4.75E-09	3.35E-06	1.90E-06	2.23E-04	1.03E-04	1.96E-03	2.51E-04	6.98E-05	2.38E-03	9.76E-05	3.90E-09	3.35E-06	1.90E-06	1.03E-04
1565	495261.06	3858651.99	2.17E-04	4.72E-09	3.33E-06	1.89E-06	2.22E-04	1.02E-04	1.94E-03	2.50E-04	6.94E-05	2.36E-03	9.72E-05	3.87E-09	3.33E-06	1.89E-06	1.02E-04
1566	495311.06	3858651.99	2.15E-04	4.67E-09	3.30E-06	1.88E-06	2.20E-04	1.02E-04	1.92E-03	2.48E-04	6.90E-05	2.34E-03	9.65E-05	3.83E-09	3.30E-06	1.88E-06	1.02E-04
1567	495361.06	3858651.99	2.14E-04	4.64E-09	3.29E-06	1.87E-06	2.19E-04	1.01E-04	1.91E-03	2.46E-04	6.86E-05	2.33E-03	9.61E-05	3.81E-09	3.29E-06	1.87E-06	1.01E-04
1568	495411.06	3858651.99	2.14E-04	4.62E-09	3.27E-06	1.86E-06	2.19E-04	1.01E-04	1.90E-03	2.45E-04	6.83E-05	2.32E-03	9.61E-05	3.79E-09	3.27E-06	1.86E-06	1.01E-04
1569	495461.06	3858651.99	2.14E-04	4.60E-09	3.26E-06	1.85E-06	2.19E-04	1.01E-04	1.90E-03	2.45E-04	6.79E-05	2.31E-03	9.61E-05	3.77E-09	3.26E-06	1.85E-06	1.01E-04
1570	495511.06	3858651.99	2.12E-04	4.55E-09	3.23E-06	1.84E-06	2.17E-04	1.00E-04	1.87E-03	2.42E-04	6.75E-05	2.28E-03	9.52E-05	3.73E-09	3.23E-06	1.84E-06	1.00E-04
1571	495561.06	3858651.99	2.11E-04	4.51E-09	3.21E-06	1.83E-06	2.16E-04	9.95E-05	1.86E-03	2.40E-04	6.71E-05	2.27E-03	9.46E-05	3.70E-09	3.21E-06	1.83E-06	9.96E-05
1572	495611.06	3858651.99	2.09E-04	4.46E-09	3.17E-06	1.82E-06	2.14E-04	9.84E-05	1.84E-03	2.38E-04	6.66E-05	2.24E-03	9.36E-05	3.66E-09	3.17E-06	1.82E-06	9.86E-05
1573	495661.06	3858651.99	2.08E-04	4.43E-09	3.16E-06	1.81E-06	2.13E-04	9.82E-05	1.83E-03	2.37E-04	6.62E-05	2.23E-03	9.34E-05	3.64E-09	3.16E-06	1.81E-06	9.83E-05
1574	494311.06	3858701.99	2.42E-04	5.70E-09	3.86E-06	2.15E-06	2.48E-04	1.14E-04	2.35E-03	2.89E-04	7.90E-05	2.83E-03	1.09E-04	4.68E-09	3.86E-06	2.15E-06	1.15E-04
1575	494361.06	3858701.99	2.62E-04	6.00E-09	4.16E-06	2.21E-06	2.69E-04	1.24E-04	2.47E-03	3.12E-04	8.11E-05	2.99E-03	1.18E-04	4.92E-09	4.16E-06	2.21E-06	1.24E-04
1576	494411.06	3858701.99	2.73E-04	6.17E-09	4.31E-06	2.23E-06	2.80E-04	1.29E-04	2.54E-03	3.23E-04	8.19E-05	3.08E-03	1.23E-04	5.06E-09	4.31E-06	2.23E-06	1.29E-04
1577	494461.06	3858701.99	2.74E-04	6.15E-09	4.31E-06	2.23E-06	2.80E-04	1.29E-04	2.53E-03	3.23E-04	8.16E-05	3.07E-03	1.23E-04	5.05E-09	4.31E-06	2.23E-06	1.29E-04
1578	494511.06	3858701.99	2.73E-04	6.13E-09	4.19E-06	2.20E-06	2.79E-04	1.29E-04	2.52E-03	3.14E-04	8.07E-05	3.05E-03	1.22E-04	5.03E-09	4.19E-06	2.20E-06	1.29E-04
1579	494561.06	3858701.99	2.71E-04	6.07E-09	4.15E-06	2.19E-06	2.77E-04	1.28E-04	2.50E-03	3.11E-04	8.01E-05	3.02E-03	1.22E-04	4.98E-09	4.15E-06	2.19E-06	1.28E-04
1580	494611.06	3858701.99	2.66E-04	5.95E-09	4.07E-06	2.16E-06	2.72E-04	1.25E-04	2.45E-03	3.05E-04	7.92E-05	2.96E-03	1.19E-04	4.88E-09	4.07E-06	2.16E-06	1.25E-04
1581	494661.06	3858701.99	2.66E-04	5.92E-09	4.05E-06	2.15E-06	2.72E-04	1.25E-04	2.44E-03	3.04E-04	7.88E-05	2.95E-03	1.19E-04	4.86E-09	4.05E-06	2.15E-06	1.25E-04
1582	494711.06	3858701.99	2.54E-04	5.68E-09	3.89E-06	2.10E-06	2.60E-04	1.20E-04	2.34E-03	2.92E-04	7.71E-05	2.83E-03	1.14E-04	4.66E-09	3.89E-06	2.10E-06	1.20E-04

1583	494761.06	3858701.99	2.57E-04	5.71E-09	3.91E-06	2.10E-06	2.63E-04	1.21E-04	2.35E-03	2.93E-04	7.71E-05	2.84E-03	1.15E-04	4.69E-09	3.91E-06	2.10E-06	1.21E-04
1584	494811.06	3858701.99	2.53E-04	5.59E-09	3.84E-06	2.08E-06	2.59E-04	1.19E-04	2.30E-03	2.88E-04	7.62E-05	2.79E-03	1.14E-04	4.59E-09	3.84E-06	2.08E-06	1.19E-04
1585	494861.06	3858701.99	2.48E-04	5.50E-09	3.78E-06	2.05E-06	2.54E-04	1.17E-04	2.27E-03	2.84E-04	7.53E-05	2.74E-03	1.11E-04	4.51E-09	3.78E-06	2.05E-06	1.17E-04
1586	494911.06	3858701.99	2.44E-04	5.42E-09	3.73E-06	2.03E-06	2.50E-04	1.15E-04	2.23E-03	2.80E-04	7.46E-05	2.70E-03	1.10E-04	4.44E-09	3.73E-06	2.03E-06	1.15E-04
1587	494961.06	3858701.99	2.37E-04	5.27E-09	3.62E-06	2.00E-06	2.43E-04	1.12E-04	2.17E-03	2.71E-04	7.34E-05	2.63E-03	1.06E-04	4.32E-09	3.62E-06	2.00E-06	1.12E-04
1588	495011.06	3858701.99	2.33E-04	5.17E-09	3.55E-06	1.98E-06	2.38E-04	1.10E-04	2.13E-03	2.66E-04	7.26E-05	2.58E-03	1.04E-04	4.24E-09	3.55E-06	1.98E-06	1.10E-04
1589	495061.06	3858701.99	2.31E-04	5.12E-09	3.51E-06	1.97E-06	2.37E-04	1.09E-04	2.11E-03	2.63E-04	7.21E-05	2.55E-03	1.04E-04	4.20E-09	3.51E-06	1.97E-06	1.09E-04
1590	495111.06	3858701.99	2.26E-04	5.01E-09	3.43E-06	1.94E-06	2.31E-04	1.07E-04	2.06E-03	2.57E-04	7.13E-05	2.50E-03	1.01E-04	4.11E-09	3.43E-06	1.94E-06	1.07E-04
1591	495161.06	3858701.99	2.23E-04	4.95E-09	3.39E-06	1.93E-06	2.29E-04	1.05E-04	2.04E-03	2.55E-04	7.07E-05	2.47E-03	1.00E-04	4.06E-09	3.39E-06	1.93E-06	1.06E-04
1592	495211.06	3858701.99	2.20E-04	4.87E-09	3.34E-06	1.91E-06	2.25E-04	1.04E-04	2.01E-03	2.51E-04	7.00E-05	2.43E-03	9.87E-05	4.00E-09	3.34E-06	1.91E-06	1.04E-04
1593	495261.06	3858701.99	2.20E-04	4.84E-09	3.33E-06	1.90E-06	2.25E-04	1.04E-04	1.99E-03	2.50E-04	6.96E-05	2.42E-03	9.85E-05	3.97E-09	3.33E-06	1.90E-06	1.04E-04
1594	495311.06	3858701.99	2.19E-04	4.81E-09	3.31E-06	1.89E-06	2.24E-04	1.03E-04	1.98E-03	2.48E-04	6.92E-05	2.40E-03	9.82E-05	3.95E-09	3.31E-06	1.89E-06	1.03E-04
1595	495361.06	3858701.99	2.18E-04	4.77E-09	3.29E-06	1.88E-06	2.23E-04	1.03E-04	1.97E-03	2.47E-04	6.88E-05	2.38E-03	9.77E-05	3.92E-09	3.29E-06	1.88E-06	1.03E-04
1596	495411.06	3858701.99	2.18E-04	4.75E-09	3.28E-06	1.87E-06	2.23E-04	1.03E-04	1.96E-03	2.46E-04	6.85E-05	2.37E-03	9.77E-05	3.90E-09	3.28E-06	1.87E-06	1.03E-04
1597	495461.06	3858701.99	2.17E-04	4.72E-09	3.26E-06	1.86E-06	2.22E-04	1.02E-04	1.94E-03	2.44E-04	6.81E-05	2.36E-03	9.73E-05	3.87E-09	3.26E-06	1.86E-06	1.02E-04
1598	495511.06	3858701.99	2.16E-04	4.68E-09	3.23E-06	1.85E-06	2.21E-04	1.02E-04	1.93E-03	2.42E-04	6.77E-05	2.34E-03	9.67E-05	3.84E-09	3.23E-06	1.85E-06	1.02E-04
1599	495561.06	3858701.99	2.14E-04	4.63E-09	3.20E-06	1.83E-06	2.19E-04	1.01E-04	1.91E-03	2.40E-04	6.72E-05	2.31E-03	9.59E-05	3.80E-09	3.20E-06	1.83E-06	1.01E-04
1600	495611.06	3858701.99	2.12E-04	4.58E-09	3.17E-06	1.82E-06	2.17E-04	1.00E-04	1.89E-03	2.38E-04	6.67E-05	2.29E-03	9.51E-05	3.76E-09	3.17E-06	1.82E-06	1.00E-04
1601	495661.06	3858701.99	2.11E-04	4.54E-09	3.15E-06	1.81E-06	2.16E-04	9.95E-05	1.87E-03	2.37E-04	6.63E-05	2.27E-03	9.46E-05	3.73E-09	3.15E-06	1.81E-06	9.96E-05
1602	494311.06	3858751.99	2.46E-04	5.86E-09	3.90E-06	2.18E-06	2.52E-04	1.16E-04	2.42E-03	2.92E-04	7.99E-05	2.90E-03	1.10E-04	4.81E-09	3.90E-06	2.18E-06	1.16E-04
1603	494361.06	3858751.99	2.68E-04	6.24E-09	4.23E-06	2.24E-06	2.75E-04	1.26E-04	2.57E-03	3.17E-04	8.22E-05	3.10E-03	1.20E-04	5.12E-09	4.23E-06	2.24E-06	1.27E-04
1604	494411.06	3858751.99	2.76E-04	6.36E-09	4.36E-06	2.26E-06	2.83E-04	1.30E-04	2.62E-03	3.27E-04	8.28E-05	3.16E-03	1.24E-04	5.22E-09	4.36E-06	2.26E-06	1.31E-04
1605	494461.06	3858751.99	2.77E-04	6.34E-09	4.35E-06	2.25E-06	2.83E-04	1.30E-04	2.61E-03	3.26E-04	8.25E-05	3.15E-03	1.24E-04	5.20E-09	4.35E-06	2.25E-06	1.31E-04
1606	494511.06	3858751.99	2.77E-04	6.33E-09	4.22E-06	2.22E-06	2.83E-04	1.30E-04	2.61E-03	3.16E-04	8.15E-05	3.14E-03	1.24E-04	5.20E-09	4.22E-06	2.22E-06	1.30E-04
1607	494561.06	3858751.99	2.74E-04	6.24E-09	4.20E-06	2.21E-06	2.81E-04	1.29E-04	2.57E-03	3.15E-04	8.10E-05	3.09E-03	1.23E-04	5.12E-09	4.20E-06	2.21E-06	1.29E-04
1608	494611.06	3858751.99	2.70E-04	6.13E-09	4.12E-06	2.18E-06	2.76E-04	1.27E-04	2.52E-03	3.09E-04	8.00E-05	3.04E-03	1.21E-04	5.03E-09	4.12E-06	2.18E-06	1.27E-04
1609	494661.06	3858751.99	2.68E-04	6.07E-09	4.11E-06	2.17E-06	2.75E-04	1.27E-04	2.50E-03	3.08E-04	7.96E-05	3.01E-03	1.20E-04	4.98E-09	4.11E-06	2.17E-06	1.27E-04
1610	494711.06	3858751.99	2.62E-04	5.92E-09	4.00E-06	2.14E-06	2.68E-04	1.24E-04	2.44E-03	3.00E-04	7.84E-05	2.94E-03	1.17E-04	4.86E-09	4.00E-06	2.14E-06	1.24E-04
1611	494761.06	3858751.99	2.59E-04	5.87E-09	3.92E-06	2.11E-06	2.65E-04	1.22E-04	2.42E-03	2.94E-04	7.75E-05	2.91E-03	1.16E-04	4.81E-09	3.92E-06	2.11E-06	1.22E-04
1612	494811.06	3858751.99	2.54E-04	5.74E-09	3.83E-06	2.09E-06	2.60E-04	1.20E-04	2.36E-03	2.87E-04	7.65E-05	2.85E-03	1.14E-04	4.71E-09	3.83E-06	2.09E-06	1.20E-04
1613	494861.06	3858751.99	2.49E-04	5.62E-09	3.76E-06	2.06E-06	2.55E-04	1.17E-04	2.32E-03	2.82E-04	7.56E-05	2.79E-03	1.12E-04	4.61E-09	3.76E-06	2.06E-06	1.17E-04
1614	494911.06	3858751.99	2.44E-04	5.50E-09	3.69E-06	2.04E-06	2.49E-04	1.15E-04	2.27E-03	2.77E-04	7.47E-05	2.73E-03	1.09E-04	4.51E-09	3.69E-06	2.04E-06	1.15E-04
1615	494961.06	3858751.99	2.40E-04	5.41E-09	3.63E-06	2.01E-06	2.45E-04	1.13E-04	2.23E-03	2.73E-04	7.38E-05	2.69E-03	1.08E-04	4.44E-09	3.63E-06	2.01E-06	1.13E-04
1616	495011.06	3858751.99	2.37E-04	5.34E-09	3.60E-06	2.00E-06	2.43E-04	1.12E-04	2.20E-03	2.70E-04	7.32E-05	2.66E-03	1.06E-04	4.38E-09	3.60E-06	2.00E-06	1.12E-04
1617	495061.06	3858751.99	2.33E-04	5.25E-09	3.53E-06	1.98E-06	2.39E-04	1.10E-04	2.16E-03	2.65E-04	7.24E-05	2.61E-03	1.05E-04	4.31E-09	3.53E-06	1.98E-06	1.10E-04
1618	495111.06	3858751.99	2.29E-04	5.14E-09	3.46E-06	1.95E-06	2.34E-04	1.08E-04	2.12E-03	2.59E-04	7.15E-05	2.56E-03	1.03E-04	4.22E-09	3.46E-06	1.95E-06	1.08E-04
1619	495161.06	3858751.99	2.26E-04	5.08E-09	3.41E-06	1.93E-06	2.32E-04	1.07E-04	2.09E-03	2.56E-04	7.09E-05	2.53E-03	1.01E-04	4.17E-09	3.41E-06	1.93E-06	1.07E-04
1620	495211.06	3858751.99	2.23E-04	5.00E-09	3.34E-06	1.92E-06	2.28E-04	1.05E-04	2.06E-03	2.51E-04	7.03E-05	2.49E-03	9.99E-05	4.10E-09	3.34E-06	1.92E-06	1.05E-04
1621	495261.06	3858751.99	2.22E-04	4.96E-09	3.33E-06	1.91E-06	2.27E-04	1.05E-04	2.04E-03	2.49E-04	6.99E-05	2.47E-03	9.96E-05	4.07E-09	3.33E-06	1.91E-06	1.05E-04
1622	495311.06	3858751.99	2.22E-04	4.93E-09	3.31E-06	1.89E-06	2.27E-04	1.05E-04	2.03E-03	2.48E-04	6.95E-05	2.46E-03	9.94E-05	4.05E-09	3.31E-06	1.89E-06	1.05E-04
1623	495361.06	3858751.99	2.21E-04	4.90E-09	3.29E-06	1.88E-06	2.26E-04	1.04E-04	2.02E-03	2.47E-04	6.91E-05	2.44E-03	9.89E-05	4.02E-09	3.29E-06	1.88E-06	1.04E-04
1624	495411.06	3858751.99	2.21E-04	4.88E-09	3.28E-06	1.88E-06	2.26E-04	1.04E-04	2.01E-03	2.46E-04	6.88E-05	2.43E-03	9.91E-05	4.01E-09	3.28E-06	1.88E-06	1.04E-04
1625	495461.06	3858751.99	2.20E-04	4.85E-09	3.26E-06	1.86E-06	2.25E-04	1.04E-04	2.00E-03	2.45E-04	6.84E-05	2.41E-03	9.87E-05	3.98E-09	3.26E-06	1.86E-06	1.04E-04
1626	495511.06	3858751.99	2.19E-04	4.80E-09	3.24E-06	1.85E-06	2.24E-04	1.03E-04	1.98E-03	2.43E-04	6.79E-05	2.39E-03	9.81E-05	3.94E-09	3.24E-06	1.85E-06	1.03E-04
1627	495561.06	3858751.99	2.17E-04	4.75E-09	3.21E-06	1.84E-06	2.22E-04	1.02E-04	1.96E-03	2.41E-04	6.74E-05	2.37E-03	9.73E-05	3.90E-09	3.21E-06	1.84E-06	1.02E-04
1628	495611.06	3858751.99	2.15E-04	4.70E-09	3.18E-06	1.82E-06	2.20E-04	1.01E-04	1.94E-03	2.39E-04	6.69E-05	2.34E-03	9.65E-05	3.86E-09	3.18E-06	1.82E-06	1.02E-04
1629	495661.06	3858751.99	2.14E-04	4.66E-09	3.16E-06	1.81E-06	2.19E-04	1.01E-04	1.92E-03	2.37E-04	6.65E-05	2.32E-03	9.59E-05	3.83E-09	3.16E-06	1.81E-06	1.01E-04
1630	494311.06	3858801.99	2.54E-04	6.13E-09	3.96E-06	2.22E-06	2.60E-04	1.20E-04	2.53E-03	2.97E-04	8.12E-05	3.03E-03	1.14E-04	5.03E-09	3.96E-06	2.22E-06	1.20E-04
1631	494361.06	3858801.99	2.72E-04	6.45E-09	4.27E-06	2.27E-06	2.79E-04	1.28E-04	2.66E-03	3.20E-04	8.32E-05	3.19E-03	1.22E-04	5.29E-09	4.27E-06	2.27E-06	1.29E-04
1632	494411.06	3858801.99	2.77E-04	6.51E-09	4.34E-06	2.28E-06	2.83E-04	1.30E-04	2.68E-03	3.25E-04	8.35E-05	3.22E-03	1.24E-04	5.34E-09	4.34E-06	2.28E-06	1.31E-04
1633	494461.06	3858801.99	2.79E-04	6.52E-09	4.33E-06	2.27E-06	2.85E-04	1.31E-04	2.69E-03	3.25E-04	8.32E-05	3.23E-03	1.25E-04	5.35E-09	4.33E-06	2.27E-06	1.32E-04
1634	494511.06	3858801.99	2.79E-04	6.53E-09	4.22E-06	2.24E-06	2.86E-04	1.32E-04	2.69E-03	3.17E-04	8.23E-05	3.22E-03	1.25E-04	5.36E-09	4.22E-06	2.24E-06	1.32E-04
1635	494561.06	3858801.99	2.78E-04	6.48E-09	4.20E-06	2.23E-06	2.85E-04	1.31E-04	2.67E-03	3.15E-04	8.17E-05	3.20E-03	1.25E-04	5.32E-09	4.20E-06	2.23E-06	1.31E-04
1636	494611.06	3858801.99	2.76E-04	6.40E-09	4.15E-06	2.21E-06	2.82E-04	1.30E-04	2.64E-03	3.11E-04	8.10E-05	3.16E-03	1.24E-04	5.25E-09	4.15E-06	2.21E-06	1.30E-04
1637	494661.06	3858801.99	2.72E-04	6.28E-09	4.08E-06	2.18E-06	2.78E-04	1.28E-04	2.59E-03	3.06E-04	8.01E-05	3.10E-03	1.22E-04	5.16E-09	4.08E-06	2.18E-06	1.28E-04
1638	494711.06	3858801.99	2.67E-04	6.15E-09	4.00E-06	2.15E-06	2.73E-04	1.26E-04	2.53E-03	3.00E-04	7.90E-05	3.04E-03	1.20E-04	5.05E-09	4.00E-06	2.15E-06	1.26E-04
1639	494761.06	3858801.99	2.60E-04	6.00E-09	3.90E-06	2.12E-06	2.66E-04	1.23E-04	2.47E-03	2.93E-04	7.79E-05	2.97E-03	1.17E-04	4.93E-09	3.90E-06	2.12E-06	1.23E-04
1640	494811.06	3858801.99	2.54E-04	5.85E-09	3.81E-06	2.09E-06	2.60E-04	1.20E-04	2.41E-03	2.86E-04	7.68E-05	2.89E-03	1.14E-04	4.80E-09	3.81E-06	2.09E-06	1.20E-04
1641	494861.06	3858801.99	2.51E-04	5.76E-09	3.76E-06	2.07E-06	2.57E-04	1.18E-04	2.37E-03	2.82E-04	7.60E-05	2.85E-03	1.12E-04	4.73E-09	3.76E-06	2.07E-06	1.18E-04
1642	494911.06	3858801.99	2.46E-04	5.64E-09	3.68E-06	2.05E-06	2.51E-04	1.16E-04	2.33E-03	2.76E-04	7.50E-05	2.79E-03	1.10E-04	4.63E-09	3.68E-06	2.05E-06	1.16E-04
1643	494961.06	3858801.99	2.42E-04	5.55E-09	3.63E-06	2.02E-06	2.48E-04	1.14E-04	2.29E-03	2.72E-04	7.42E-05	2.75E-03	1.09E-04	4.55E-09	3.63E-06	2.02E-06	1.14E-04

1644	495011.06	3858801.99	2.38E-04	5.45E-09	3.57E-06	2.00E-06	2.44E-04	1.12E-04	2.25E-03	2.68E-04	7.34E-05	2.70E-03	1.07E-04	4.47E-09	3.57E-06	2.00E-06	1.12E-04
1645	495061.06	3858801.99	2.36E-04	5.39E-09	3.53E-06	1.98E-06	2.41E-04	1.11E-04	2.22E-03	2.65E-04	7.27E-05	2.67E-03	1.06E-04	4.42E-09	3.53E-06	1.98E-06	1.11E-04
1646	495111.06	3858801.99	2.31E-04	5.27E-09	3.46E-06	1.96E-06	2.36E-04	1.09E-04	2.17E-03	2.60E-04	7.18E-05	2.61E-03	1.03E-04	4.32E-09	3.46E-06	1.96E-06	1.09E-04
1647	495161.06	3858801.99	2.27E-04	5.18E-09	3.40E-06	1.94E-06	2.32E-04	1.07E-04	2.13E-03	2.55E-04	7.10E-05	2.57E-03	1.02E-04	4.25E-09	3.40E-06	1.94E-06	1.07E-04
1648	495211.06	3858801.99	2.25E-04	5.12E-09	3.37E-06	1.92E-06	2.30E-04	1.06E-04	2.11E-03	2.53E-04	7.04E-05	2.54E-03	1.01E-04	4.20E-09	3.37E-06	1.92E-06	1.06E-04
1649	495261.06	3858801.99	2.25E-04	5.09E-09	3.35E-06	1.91E-06	2.30E-04	1.06E-04	2.10E-03	2.51E-04	7.00E-05	2.52E-03	1.01E-04	4.18E-09	3.35E-06	1.91E-06	1.06E-04
1650	495311.06	3858801.99	2.24E-04	5.06E-09	3.34E-06	1.90E-06	2.30E-04	1.06E-04	2.09E-03	2.50E-04	6.97E-05	2.51E-03	1.01E-04	4.16E-09	3.34E-06	1.90E-06	1.06E-04
1651	495361.06	3858801.99	2.23E-04	5.02E-09	3.32E-06	1.89E-06	2.29E-04	1.05E-04	2.07E-03	2.49E-04	6.92E-05	2.49E-03	1.00E-04	4.12E-09	3.32E-06	1.89E-06	1.05E-04
1652	495411.06	3858801.99	2.24E-04	5.02E-09	3.32E-06	1.88E-06	2.30E-04	1.06E-04	2.07E-03	2.49E-04	6.90E-05	2.49E-03	1.01E-04	4.12E-09	3.32E-06	1.88E-06	1.06E-04
1653	495461.06	3858801.99	2.23E-04	4.98E-09	3.30E-06	1.87E-06	2.28E-04	1.05E-04	2.05E-03	2.47E-04	6.86E-05	2.47E-03	1.00E-04	4.09E-09	3.30E-06	1.87E-06	1.05E-04
1654	495511.06	3858801.99	2.22E-04	4.93E-09	3.27E-06	1.86E-06	2.27E-04	1.04E-04	2.03E-03	2.45E-04	6.80E-05	2.45E-03	9.94E-05	4.04E-09	3.27E-06	1.86E-06	1.04E-04
1655	495561.06	3858801.99	2.20E-04	4.88E-09	3.25E-06	1.84E-06	2.25E-04	1.04E-04	2.01E-03	2.44E-04	6.76E-05	2.43E-03	9.87E-05	4.01E-09	3.25E-06	1.84E-06	1.04E-04
1656	495611.06	3858801.99	2.18E-04	4.82E-09	3.21E-06	1.83E-06	2.23E-04	1.03E-04	1.99E-03	2.40E-04	6.70E-05	2.40E-03	9.77E-05	3.96E-09	3.21E-06	1.83E-06	1.03E-04
1657	495661.06	3858801.99	2.17E-04	4.79E-09	3.19E-06	1.82E-06	2.22E-04	1.02E-04	1.97E-03	2.39E-04	6.66E-05	2.38E-03	9.73E-05	3.93E-09	3.19E-06	1.82E-06	1.02E-04
1658	494311.06	3858851.99	2.71E-04	6.60E-09	4.20E-06	2.29E-06	2.78E-04	1.28E-04	2.72E-03	3.15E-04	8.40E-05	3.25E-03	1.22E-04	5.42E-09	4.20E-06	2.29E-06	1.28E-04
1659	494361.06	3858851.99	2.81E-04	6.79E-09	4.38E-06	2.32E-06	2.88E-04	1.33E-04	2.80E-03	3.29E-04	8.51E-05	3.34E-03	1.26E-04	5.57E-09	4.38E-06	2.32E-06	1.33E-04
1660	494411.06	3858851.99	2.81E-04	6.75E-09	4.37E-06	2.31E-06	2.87E-04	1.32E-04	2.78E-03	3.27E-04	8.46E-05	3.32E-03	1.26E-04	5.54E-09	4.37E-06	2.31E-06	1.33E-04
1661	494461.06	3858851.99	2.82E-04	6.73E-09	4.33E-06	2.29E-06	2.88E-04	1.33E-04	2.77E-03	3.25E-04	8.40E-05	3.32E-03	1.26E-04	5.53E-09	4.33E-06	2.29E-06	1.33E-04
1662	494511.06	3858851.99	2.81E-04	6.71E-09	4.19E-06	2.26E-06	2.87E-04	1.32E-04	2.76E-03	3.14E-04	8.28E-05	3.29E-03	1.26E-04	5.51E-09	4.19E-06	2.26E-06	1.32E-04
1663	494561.06	3858851.99	2.79E-04	6.65E-09	4.16E-06	2.24E-06	2.86E-04	1.32E-04	2.74E-03	3.12E-04	8.22E-05	3.26E-03	1.25E-04	5.46E-09	4.16E-06	2.24E-06	1.32E-04
1664	494611.06	3858851.99	2.76E-04	6.55E-09	4.12E-06	2.22E-06	2.83E-04	1.30E-04	2.70E-03	3.09E-04	8.14E-05	3.22E-03	1.24E-04	5.38E-09	4.12E-06	2.22E-06	1.30E-04
1665	494661.06	3858851.99	2.72E-04	6.44E-09	4.05E-06	2.20E-06	2.79E-04	1.28E-04	2.65E-03	3.04E-04	8.05E-05	3.16E-03	1.22E-04	5.28E-09	4.05E-06	2.20E-06	1.28E-04
1666	494711.06	3858851.99	2.66E-04	6.28E-09	3.96E-06	2.16E-06	2.73E-04	1.26E-04	2.59E-03	2.97E-04	7.93E-05	3.09E-03	1.19E-04	5.15E-09	3.96E-06	2.16E-06	1.26E-04
1667	494761.06	3858851.99	2.61E-04	6.13E-09	3.87E-06	2.13E-06	2.67E-04	1.23E-04	2.52E-03	2.91E-04	7.81E-05	3.02E-03	1.17E-04	5.03E-09	3.87E-06	2.13E-06	1.23E-04
1668	494811.06	3858851.99	2.56E-04	6.00E-09	3.80E-06	2.10E-06	2.62E-04	1.21E-04	2.47E-03	2.85E-04	7.71E-05	2.96E-03	1.15E-04	4.93E-09	3.80E-06	2.10E-06	1.21E-04
1669	494861.06	3858851.99	2.53E-04	5.92E-09	3.75E-06	2.08E-06	2.59E-04	1.19E-04	2.44E-03	2.81E-04	7.63E-05	2.91E-03	1.13E-04	4.86E-09	3.75E-06	2.08E-06	1.19E-04
1670	494911.06	3858851.99	2.48E-04	5.80E-09	3.68E-06	2.06E-06	2.54E-04	1.17E-04	2.39E-03	2.76E-04	7.55E-05	2.86E-03	1.11E-04	4.76E-09	3.68E-06	2.06E-06	1.17E-04
1671	494961.06	3858851.99	2.45E-04	5.70E-09	3.62E-06	2.03E-06	2.50E-04	1.15E-04	2.35E-03	2.72E-04	7.46E-05	2.81E-03	1.10E-04	4.68E-09	3.62E-06	2.03E-06	1.15E-04
1672	495011.06	3858851.99	2.42E-04	5.62E-09	3.58E-06	2.01E-06	2.47E-04	1.14E-04	2.31E-03	2.68E-04	7.39E-05	2.77E-03	1.08E-04	4.61E-09	3.58E-06	2.01E-06	1.14E-04
1673	495061.06	3858851.99	2.38E-04	5.52E-09	3.52E-06	1.99E-06	2.43E-04	1.12E-04	2.27E-03	2.64E-04	7.31E-05	2.72E-03	1.07E-04	4.53E-09	3.52E-06	1.99E-06	1.12E-04
1674	495111.06	3858851.99	2.31E-04	5.36E-09	3.43E-06	1.96E-06	2.36E-04	1.09E-04	2.21E-03	2.57E-04	7.18E-05	2.65E-03	1.04E-04	4.40E-09	3.43E-06	1.96E-06	1.09E-04
1675	495161.06	3858851.99	2.27E-04	5.27E-09	3.39E-06	1.94E-06	2.33E-04	1.07E-04	2.17E-03	2.54E-04	7.10E-05	2.60E-03	1.02E-04	4.33E-09	3.39E-06	1.94E-06	1.07E-04
1676	495211.06	3858851.99	2.28E-04	5.26E-09	3.38E-06	1.93E-06	2.33E-04	1.07E-04	2.17E-03	2.54E-04	7.08E-05	2.60E-03	1.02E-04	4.31E-09	3.38E-06	1.93E-06	1.08E-04
1677	495261.06	3858851.99	2.27E-04	5.22E-09	3.37E-06	1.92E-06	2.33E-04	1.07E-04	2.15E-03	2.53E-04	7.03E-05	2.58E-03	1.02E-04	4.28E-09	3.37E-06	1.92E-06	1.07E-04
1678	495311.06	3858851.99	2.27E-04	5.20E-09	3.36E-06	1.91E-06	2.33E-04	1.07E-04	2.14E-03	2.52E-04	7.00E-05	2.57E-03	1.02E-04	4.27E-09	3.36E-06	1.91E-06	1.07E-04
1679	495361.06	3858851.99	2.27E-04	5.17E-09	3.35E-06	1.90E-06	2.32E-04	1.07E-04	2.13E-03	2.51E-04	6.96E-05	2.56E-03	1.02E-04	4.24E-09	3.35E-06	1.90E-06	1.07E-04
1680	495411.06	3858851.99	2.26E-04	5.14E-09	3.33E-06	1.89E-06	2.32E-04	1.07E-04	2.12E-03	2.50E-04	6.92E-05	2.54E-03	1.02E-04	4.22E-09	3.33E-06	1.89E-06	1.07E-04
1681	495461.06	3858851.99	2.26E-04	5.11E-09	3.32E-06	1.88E-06	2.31E-04	1.07E-04	2.11E-03	2.49E-04	6.88E-05	2.53E-03	1.01E-04	4.19E-09	3.32E-06	1.88E-06	1.07E-04
1682	495511.06	3858851.99	2.26E-04	5.06E-09	3.32E-06	1.87E-06	2.31E-04	1.06E-04	2.09E-03	2.49E-04	6.86E-05	2.51E-03	1.01E-04	4.15E-09	3.32E-06	1.87E-06	1.06E-04
1683	495561.06	3858851.99	2.22E-04	4.99E-09	3.25E-06	1.85E-06	2.27E-04	1.05E-04	2.06E-03	2.44E-04	6.77E-05	2.47E-03	9.95E-05	4.09E-09	3.25E-06	1.85E-06	1.05E-04
1684	495611.06	3858851.99	2.19E-04	4.92E-09	3.21E-06	1.83E-06	2.24E-04	1.03E-04	2.03E-03	2.41E-04	6.71E-05	2.44E-03	9.84E-05	4.04E-09	3.21E-06	1.83E-06	1.03E-04
1685	495661.06	3858851.99	2.19E-04	4.90E-09	3.20E-06	1.82E-06	2.24E-04	1.03E-04	2.02E-03	2.40E-04	6.67E-05	2.43E-03	9.83E-05	4.02E-09	3.20E-06	1.82E-06	1.03E-04
1686	494311.06	3858901.99	2.77E-04	6.87E-09	4.20E-06	2.32E-06	2.83E-04	1.31E-04	2.83E-03	3.15E-04	8.52E-05	3.36E-03	1.24E-04	5.64E-09	4.20E-06	2.32E-06	1.31E-04
1687	494361.06	3858901.99	2.84E-04	7.00E-09	4.31E-06	2.34E-06	2.90E-04	1.34E-04	2.89E-03	3.23E-04	8.59E-05	3.43E-03	1.27E-04	5.75E-09	4.31E-06	2.34E-06	1.34E-04
1688	494411.06	3858901.99	2.84E-04	6.99E-09	4.32E-06	2.33E-06	2.91E-04	1.34E-04	2.88E-03	3.24E-04	8.56E-05	3.42E-03	1.28E-04	5.74E-09	4.32E-06	2.33E-06	1.34E-04
1689	494461.06	3858901.99	2.84E-04	6.99E-09	4.17E-06	2.30E-06	2.91E-04	1.34E-04	2.88E-03	3.13E-04	8.42E-05	3.41E-03	1.28E-04	5.73E-09	4.17E-06	2.30E-06	1.34E-04
1690	494511.06	3858901.99	2.84E-04	6.95E-09	4.16E-06	2.28E-06	2.91E-04	1.34E-04	2.86E-03	3.12E-04	8.37E-05	3.39E-03	1.27E-04	5.71E-09	4.16E-06	2.28E-06	1.34E-04
1691	494561.06	3858901.99	2.81E-04	6.85E-09	4.12E-06	2.26E-06	2.88E-04	1.33E-04	2.82E-03	3.09E-04	8.29E-05	3.35E-03	1.26E-04	5.62E-09	4.12E-06	2.26E-06	1.33E-04
1692	494611.06	3858901.99	2.76E-04	6.68E-09	4.05E-06	2.23E-06	2.82E-04	1.30E-04	2.75E-03	3.03E-04	8.16E-05	3.27E-03	1.24E-04	5.48E-09	4.05E-06	2.23E-06	1.30E-04
1693	494661.06	3858901.99	2.73E-04	6.58E-09	4.00E-06	2.20E-06	2.79E-04	1.29E-04	2.71E-03	3.00E-04	8.08E-05	3.22E-03	1.22E-04	5.40E-09	4.00E-06	2.20E-06	1.29E-04
1694	494711.06	3858901.99	2.68E-04	6.43E-09	3.93E-06	2.17E-06	2.74E-04	1.26E-04	2.65E-03	2.95E-04	7.97E-05	3.15E-03	1.20E-04	5.28E-09	3.93E-06	2.17E-06	1.26E-04
1695	494761.06	3858901.99	2.61E-04	6.26E-09	3.84E-06	2.14E-06	2.67E-04	1.23E-04	2.58E-03	2.88E-04	7.84E-05	3.07E-03	1.17E-04	5.14E-09	3.84E-06	2.14E-06	1.23E-04
1696	494811.06	3858901.99	2.58E-04	6.16E-09	3.78E-06	2.11E-06	2.64E-04	1.22E-04	2.54E-03	2.84E-04	7.75E-05	3.02E-03	1.16E-04	5.05E-09	3.78E-06	2.11E-06	1.21E-04
1697	494861.06	3858901.99	2.55E-04	6.07E-09	3.74E-06	2.09E-06	2.61E-04	1.20E-04	2.50E-03	2.81E-04	7.68E-05	2.98E-03	1.14E-04	4.99E-09	3.74E-06	2.09E-06	1.20E-04
1698	494911.06	3858901.99	2.49E-04	5.92E-09	3.65E-06	2.06E-06	2.54E-04	1.17E-04	2.44E-03	2.74E-04	7.56E-05	2.90E-03	1.12E-04	4.85E-09	3.65E-06	2.06E-06	1.17E-04
1699	494961.06	3858901.99	2.45E-04	5.82E-09	3.60E-06	2.04E-06	2.51E-04	1.16E-04	2.40E-03	2.70E-04	7.48E-05	2.86E-03	1.10E-04	4.78E-09	3.60E-06	2.04E-06	1.16E-04
1700	495011.06	3858901.99	2.42E-04	5.73E-09	3.55E-06	2.02E-06	2.48E-04	1.14E-04	2.36E-03	2.66E-04	7.40E-05	2.82E-03	1.09E-04	4.70E-09	3.55E-06	2.02E-06	1.14E-04
1701	495061.06	3858901.99	2.37E-04	5.61E-09	3.48E-06	1.99E-06	2.43E-04	1.12E-04	2.31E-03	2.61E-04	7.30E-05	2.76E-03	1.06E-04	4.60E-09	3.48E-06	1.99E-06	1.12E-04
1702	495111.06	3858901.99	2.30E-04	5.44E-09	3.39E-06	1.96E-06	2.36E-04	1.09E-04	2.24E-03	2.54E-04	7.18E-05	2.68E-03	1.03E-04	4.47E-09	3.39E-06	1.96E-06	1.09E-04
1703	495161.06	3858901.99	2.29E-04	5.38E-09	3.36E-06	1.94E-06	2.34E-04	1.08E-04	2.22E-03	2.52E-04	7.12E-05	2.65E-03	1.02E-04	4.42E-09	3.36E-06	1.94E-06	1.08E-04
1704	495211.06	3858901.99	2.30E-04	5.39E-09	3.37E-06	1.94E-06	2.36E-04	1.09E-04	2.22E-03	2.53E-04	7.10E-05	2.65E-03	1.03E-04	4.42E-09	3.37E-06	1.94E-06	1.09E-04

1705	495261.06	3858901.99	2.30E-04	5.36E-09	3.36E-06	1.93E-06	2.36E-04	1.09E-04	2.21E-03	2.52E-04	7.07E-05	2.64E-03	1.03E-04	4.40E-09	3.36E-06	1.93E-06	1.09E-04
1706	495311.06	3858901.99	2.30E-04	5.33E-09	3.35E-06	1.92E-06	2.35E-04	1.08E-04	2.19E-03	2.51E-04	7.02E-05	2.62E-03	1.03E-04	4.37E-09	3.35E-06	1.92E-06	1.08E-04
1707	495361.06	3858901.99	2.29E-04	5.29E-09	3.33E-06	1.90E-06	2.34E-04	1.08E-04	2.18E-03	2.50E-04	6.98E-05	2.61E-03	1.03E-04	4.34E-09	3.33E-06	1.90E-06	1.08E-04
1708	495411.06	3858901.99	2.29E-04	5.28E-09	3.33E-06	1.90E-06	2.35E-04	1.08E-04	2.17E-03	2.50E-04	6.95E-05	2.60E-03	1.03E-04	4.33E-09	3.33E-06	1.90E-06	1.08E-04
1709	495461.06	3858901.99	2.28E-04	5.23E-09	3.31E-06	1.88E-06	2.33E-04	1.08E-04	2.15E-03	2.48E-04	6.91E-05	2.58E-03	1.02E-04	4.29E-09	3.31E-06	1.88E-06	1.08E-04
1710	495511.06	3858901.99	2.26E-04	5.17E-09	3.28E-06	1.87E-06	2.31E-04	1.07E-04	2.13E-03	2.46E-04	6.84E-05	2.55E-03	1.01E-04	4.24E-09	3.28E-06	1.87E-06	1.07E-04
1711	495561.06	3858901.99	2.24E-04	5.11E-09	3.25E-06	1.85E-06	2.30E-04	1.06E-04	2.11E-03	2.44E-04	6.79E-05	2.52E-03	1.01E-04	4.20E-09	3.25E-06	1.85E-06	1.06E-04
1712	495611.06	3858901.99	2.22E-04	5.05E-09	3.22E-06	1.84E-06	2.27E-04	1.05E-04	2.08E-03	2.41E-04	6.73E-05	2.49E-03	9.96E-05	4.14E-09	3.22E-06	1.84E-06	1.05E-04
1713	495661.06	3858901.99	2.22E-04	5.03E-09	3.21E-06	1.83E-06	2.27E-04	1.05E-04	2.07E-03	2.41E-04	6.70E-05	2.48E-03	9.96E-05	4.12E-09	3.21E-06	1.83E-06	1.05E-04
1714	494311.06	3858951.99	2.85E-04	7.24E-09	4.23E-06	2.38E-06	2.92E-04	1.35E-04	2.98E-03	3.17E-04	8.72E-05	3.52E-03	1.28E-04	5.94E-09	4.23E-06	2.38E-06	1.35E-04
1715	494361.06	3858951.99	2.88E-04	7.28E-09	4.26E-06	2.38E-06	2.94E-04	1.36E-04	3.00E-03	3.20E-04	8.72E-05	3.54E-03	1.29E-04	5.97E-09	4.26E-06	2.38E-06	1.36E-04
1716	494411.06	3858951.99	2.86E-04	7.19E-09	4.23E-06	2.35E-06	2.92E-04	1.35E-04	2.96E-03	3.17E-04	8.63E-05	3.50E-03	1.28E-04	5.90E-09	4.23E-06	2.35E-06	1.35E-04
1717	494461.06	3858951.99	2.86E-04	7.20E-09	4.09E-06	2.31E-06	2.93E-04	1.35E-04	2.97E-03	3.07E-04	8.49E-05	3.49E-03	1.28E-04	5.91E-09	4.09E-06	2.31E-06	1.35E-04
1718	494511.06	3858951.99	2.85E-04	7.13E-09	4.07E-06	2.30E-06	2.91E-04	1.34E-04	2.94E-03	3.05E-04	8.42E-05	3.46E-03	1.28E-04	5.85E-09	4.07E-06	2.30E-06	1.34E-04
1719	494561.06	3858951.99	2.82E-04	7.03E-09	4.04E-06	2.27E-06	2.88E-04	1.33E-04	2.89E-03	3.03E-04	8.33E-05	3.41E-03	1.26E-04	5.77E-09	4.04E-06	2.27E-06	1.33E-04
1720	494611.06	3858951.99	2.77E-04	6.88E-09	3.99E-06	2.24E-06	2.84E-04	1.31E-04	2.83E-03	2.99E-04	8.22E-05	3.35E-03	1.24E-04	5.64E-09	3.99E-06	2.24E-06	1.31E-04
1721	494661.06	3858951.99	2.73E-04	6.74E-09	3.94E-06	2.21E-06	2.80E-04	1.29E-04	2.78E-03	2.95E-04	8.11E-05	3.28E-03	1.23E-04	5.53E-09	3.94E-06	2.21E-06	1.29E-04
1722	494711.06	3858951.99	2.67E-04	6.56E-09	3.86E-06	2.18E-06	2.73E-04	1.26E-04	2.70E-03	2.89E-04	7.98E-05	3.20E-03	1.20E-04	5.38E-09	3.86E-06	2.18E-06	1.26E-04
1723	494761.06	3858951.99	2.63E-04	6.42E-09	3.80E-06	2.15E-06	2.69E-04	1.24E-04	2.65E-03	2.85E-04	7.88E-05	3.13E-03	1.18E-04	5.27E-09	3.80E-06	2.15E-06	1.24E-04
1724	494811.06	3858951.99	2.60E-04	6.33E-09	3.75E-06	2.13E-06	2.66E-04	1.23E-04	2.61E-03	2.81E-04	7.80E-05	3.09E-03	1.17E-04	5.19E-09	3.75E-06	2.13E-06	1.22E-04
1725	494861.06	3858951.99	2.57E-04	6.23E-09	3.71E-06	2.10E-06	2.63E-04	1.21E-04	2.57E-03	2.78E-04	7.71E-05	3.04E-03	1.15E-04	5.11E-09	3.71E-06	2.10E-06	1.21E-04
1726	494911.06	3858951.99	2.52E-04	6.10E-09	3.64E-06	2.07E-06	2.58E-04	1.19E-04	2.51E-03	2.73E-04	7.61E-05	2.98E-03	1.13E-04	5.00E-09	3.64E-06	2.07E-06	1.19E-04
1727	494961.06	3858951.99	2.50E-04	6.02E-09	3.61E-06	2.06E-06	2.56E-04	1.18E-04	2.48E-03	2.71E-04	7.54E-05	2.95E-03	1.12E-04	4.94E-09	3.61E-06	2.06E-06	1.18E-04
1728	495011.06	3858951.99	2.42E-04	5.84E-09	3.51E-06	2.02E-06	2.48E-04	1.14E-04	2.40E-03	2.63E-04	7.40E-05	2.86E-03	1.09E-04	4.79E-09	3.51E-06	2.02E-06	1.14E-04
1729	495061.06	3858951.99	2.35E-04	5.66E-09	3.41E-06	1.98E-06	2.41E-04	1.11E-04	2.33E-03	2.56E-04	7.27E-05	2.77E-03	1.05E-04	4.65E-09	3.41E-06	1.98E-06	1.11E-04
1730	495111.06	3858951.99	2.30E-04	5.53E-09	3.34E-06	1.95E-06	2.35E-04	1.08E-04	2.28E-03	2.50E-04	7.17E-05	2.71E-03	1.03E-04	4.54E-09	3.34E-06	1.95E-06	1.08E-04
1731	495161.06	3858951.99	2.33E-04	5.56E-09	3.37E-06	1.95E-06	2.38E-04	1.10E-04	2.29E-03	2.53E-04	7.16E-05	2.72E-03	1.04E-04	4.56E-09	3.37E-06	1.95E-06	1.10E-04
1732	495211.06	3858951.99	2.33E-04	5.53E-09	3.36E-06	1.94E-06	2.38E-04	1.10E-04	2.28E-03	2.52E-04	7.13E-05	2.71E-03	1.04E-04	4.54E-09	3.36E-06	1.94E-06	1.10E-04
1733	495261.06	3858951.99	2.33E-04	5.51E-09	3.36E-06	1.93E-06	2.38E-04	1.10E-04	2.27E-03	2.52E-04	7.09E-05	2.70E-03	1.04E-04	4.52E-09	3.36E-06	1.93E-06	1.10E-04
1734	495311.06	3858951.99	2.30E-04	5.43E-09	3.32E-06	1.92E-06	2.36E-04	1.09E-04	2.24E-03	2.49E-04	7.03E-05	2.67E-03	1.03E-04	4.46E-09	3.32E-06	1.92E-06	1.09E-04
1735	495361.06	3858951.99	2.31E-04	5.41E-09	3.32E-06	1.91E-06	2.36E-04	1.09E-04	2.23E-03	2.49E-04	6.99E-05	2.66E-03	1.03E-04	4.44E-09	3.32E-06	1.91E-06	1.09E-04
1736	495411.06	3858951.99	2.31E-04	5.40E-09	3.32E-06	1.90E-06	2.37E-04	1.09E-04	2.23E-03	2.49E-04	6.97E-05	2.65E-03	1.04E-04	4.43E-09	3.32E-06	1.90E-06	1.09E-04
1737	495461.06	3858951.99	2.31E-04	5.36E-09	3.31E-06	1.89E-06	2.36E-04	1.09E-04	2.21E-03	2.48E-04	6.92E-05	2.63E-03	1.03E-04	4.40E-09	3.31E-06	1.89E-06	1.09E-04
1738	495511.06	3858951.99	2.31E-04	5.34E-09	3.30E-06	1.88E-06	2.36E-04	1.09E-04	2.20E-03	2.48E-04	6.89E-05	2.62E-03	1.03E-04	4.38E-09	3.30E-06	1.88E-06	1.09E-04
1739	495561.06	3858951.99	2.27E-04	5.24E-09	3.25E-06	1.86E-06	2.32E-04	1.07E-04	2.16E-03	2.44E-04	6.80E-05	2.58E-03	1.02E-04	4.30E-09	3.25E-06	1.86E-06	1.07E-04
1740	495611.06	3858951.99	2.25E-04	5.18E-09	3.22E-06	1.84E-06	2.30E-04	1.06E-04	2.13E-03	2.41E-04	6.75E-05	2.55E-03	1.01E-04	4.25E-09	3.22E-06	1.84E-06	1.06E-04
1741	495661.06	3858951.99	2.25E-04	5.16E-09	3.21E-06	1.83E-06	2.30E-04	1.06E-04	2.13E-03	2.41E-04	6.72E-05	2.54E-03	1.01E-04	4.23E-09	3.21E-06	1.83E-06	1.06E-04
1742	494311.06	3859001.99	2.90E-04	7.54E-09	4.16E-06	2.42E-06	2.97E-04	1.37E-04	3.11E-03	3.12E-04	8.86E-05	3.64E-03	1.30E-04	6.19E-09	4.16E-06	2.42E-06	1.37E-04
1743	494361.06	3859001.99	2.90E-04	7.50E-09	4.12E-06	2.39E-06	2.96E-04	1.37E-04	3.09E-03	3.09E-04	8.78E-05	3.62E-03	1.30E-04	6.15E-09	4.12E-06	2.39E-06	1.36E-04
1744	494411.06	3859001.99	2.88E-04	7.47E-09	4.00E-06	2.35E-06	2.95E-04	1.36E-04	3.08E-03	3.00E-04	8.61E-05	3.60E-03	1.29E-04	6.13E-09	4.00E-06	2.35E-06	1.36E-04
1745	494461.06	3859001.99	2.87E-04	7.40E-09	3.99E-06	2.33E-06	2.94E-04	1.35E-04	3.05E-03	2.99E-04	8.54E-05	3.57E-03	1.29E-04	6.07E-09	3.99E-06	2.33E-06	1.35E-04
1746	494511.06	3859001.99	2.86E-04	7.34E-09	3.97E-06	2.31E-06	2.92E-04	1.35E-04	3.02E-03	2.98E-04	8.47E-05	3.54E-03	1.28E-04	6.02E-09	3.97E-06	2.31E-06	1.35E-04
1747	494561.06	3859001.99	2.82E-04	7.19E-09	3.93E-06	2.28E-06	2.88E-04	1.33E-04	2.96E-03	2.95E-04	8.36E-05	3.47E-03	1.26E-04	5.90E-09	3.93E-06	2.28E-06	1.33E-04
1748	494611.06	3859001.99	2.78E-04	7.05E-09	3.90E-06	2.25E-06	2.84E-04	1.31E-04	2.90E-03	2.92E-04	8.26E-05	3.41E-03	1.25E-04	5.79E-09	3.90E-06	2.25E-06	1.31E-04
1749	494661.06	3859001.99	2.73E-04	6.89E-09	3.84E-06	2.22E-06	2.79E-04	1.29E-04	2.84E-03	2.88E-04	8.14E-05	3.34E-03	1.23E-04	5.65E-09	3.84E-06	2.22E-06	1.29E-04
1750	494711.06	3859001.99	2.67E-04	6.70E-09	3.78E-06	2.18E-06	2.73E-04	1.26E-04	2.76E-03	2.83E-04	8.00E-05	3.25E-03	1.20E-04	5.50E-09	3.78E-06	2.18E-06	1.26E-04
1751	494761.06	3859001.99	2.64E-04	6.58E-09	3.74E-06	2.16E-06	2.70E-04	1.25E-04	2.71E-03	2.80E-04	7.91E-05	3.20E-03	1.18E-04	5.40E-09	3.74E-06	2.16E-06	1.24E-04
1752	494811.06	3859001.99	2.62E-04	6.51E-09	3.71E-06	2.14E-06	2.68E-04	1.24E-04	2.68E-03	2.78E-04	7.84E-05	3.16E-03	1.18E-04	5.34E-09	3.71E-06	2.14E-06	1.23E-04
1753	494861.06	3859001.99	2.58E-04	6.39E-09	3.66E-06	2.11E-06	2.64E-04	1.22E-04	2.63E-03	2.75E-04	7.74E-05	3.10E-03	1.16E-04	5.24E-09	3.66E-06	2.11E-06	1.22E-04
1754	494911.06	3859001.99	2.54E-04	6.26E-09	3.61E-06	2.08E-06	2.60E-04	1.20E-04	2.58E-03	2.71E-04	7.64E-05	3.05E-03	1.14E-04	5.14E-09	3.61E-06	2.08E-06	1.20E-04
1755	494961.06	3859001.99	2.50E-04	6.13E-09	3.55E-06	2.06E-06	2.55E-04	1.18E-04	2.53E-03	2.66E-04	7.54E-05	2.99E-03	1.12E-04	5.03E-09	3.55E-06	2.06E-06	1.18E-04
1756	495011.06	3859001.99	2.38E-04	5.84E-09	3.39E-06	2.00E-06	2.43E-04	1.12E-04	2.40E-03	2.54E-04	7.33E-05	2.84E-03	1.07E-04	4.79E-09	3.39E-06	2.00E-06	1.12E-04
1757	495061.06	3859001.99	2.36E-04	5.76E-09	3.36E-06	1.98E-06	2.41E-04	1.11E-04	2.37E-03	2.52E-04	7.27E-05	2.81E-03	1.06E-04	4.73E-09	3.36E-06	1.98E-06	1.11E-04
1758	495111.06	3859001.99	2.31E-04	5.63E-09	3.29E-06	1.95E-06	2.36E-04	1.09E-04	2.32E-03	2.47E-04	7.17E-05	2.75E-03	1.03E-04	4.62E-09	3.29E-06	1.95E-06	1.09E-04
1759	495161.06	3859001.99	2.35E-04	5.70E-09	3.35E-06	1.96E-06	2.40E-04	1.11E-04	2.35E-03	2.51E-04	7.18E-05	2.78E-03	1.05E-04	4.68E-09	3.35E-06	1.96E-06	1.11E-04
1760	495211.06	3859001.99	2.34E-04	5.66E-09	3.33E-06	1.95E-06	2.40E-04	1.11E-04	2.33E-03	2.50E-04	7.14E-05	2.76E-03	1.05E-04	4.64E-09	3.33E-06	1.95E-06	1.10E-04
1761	495261.06	3859001.99	2.35E-04	5.64E-09	3.33E-06	1.94E-06	2.40E-04	1.11E-04	2.32E-03	2.50E-04	7.10E-05	2.75E-03	1.05E-04	4.62E-09	3.33E-06	1.94E-06	1.11E-04
1762	495311.06	3859001.99	2.34E-04	5.59E-09	3.32E-06	1.92E-06	2.39E-04	1.10E-04	2.30E-03	2.49E-04	7.05E-05	2.73E-03	1.05E-04	4.59E-09	3.32E-06	1.92E-06	1.10E-04
1763	495361.06	3859001.99	2.34E-04	5.56E-09	3.32E-06	1.91E-06	2.39E-04	1.10E-04	2.29E-03	2.49E-04	7.02E-05	2.72E-03	1.05E-04	4.57E-09	3.32E-06	1.91E-06	1.10E-04
1764	495411.06	3859001.99	2.33E-04	5.53E-09	3.31E-06	1.90E-06	2.39E-04	1.10E-04	2.28E-03	2.48E-04	6.98E-05	2.71E-03	1.05E-04	4.54E-09	3.31E-06	1.90E-06	1.10E-04
1765	495461.06	3859001.99	2.33E-04	5.50E-09	3.30E-06	1.89E-06	2.38E-04	1.10E-04	2.27E-03	2.47E-04	6.94E-05	2.69E-03	1.05E-04	4.51E-09	3.30E-06	1.89E-06	1.10E-04

1766	495511.06	3859001.99	2.30E-04	5.42E-09	3.26E-06	1.87E-06	2.36E-04	1.09E-04	2.23E-03	2.44E-04	6.87E-05	2.65E-03	1.03E-04	4.45E-09	3.26E-06	1.87E-06	1.08E-04
1767	495561.06	3859001.99	2.29E-04	5.37E-09	3.24E-06	1.86E-06	2.34E-04	1.08E-04	2.21E-03	2.43E-04	6.82E-05	2.63E-03	1.03E-04	4.40E-09	3.24E-06	1.86E-06	1.08E-04
1768	495611.06	3859001.99	2.27E-04	5.31E-09	3.21E-06	1.84E-06	2.32E-04	1.07E-04	2.19E-03	2.41E-04	6.76E-05	2.60E-03	1.02E-04	4.36E-09	3.21E-06	1.84E-06	1.07E-04
1769	495661.06	3859001.99	2.29E-04	5.32E-09	3.23E-06	1.84E-06	2.34E-04	1.08E-04	2.19E-03	2.42E-04	6.75E-05	2.61E-03	1.03E-04	4.36E-09	3.23E-06	1.84E-06	1.08E-04
1770	494311.06	3859051.99	2.92E-04	7.80E-09	4.02E-06	2.43E-06	2.99E-04	1.38E-04	3.21E-03	3.01E-04	8.92E-05	3.74E-03	1.31E-04	6.40E-09	4.02E-06	2.43E-06	1.38E-04
1771	494361.06	3859051.99	2.92E-04	7.79E-09	3.90E-06	2.38E-06	2.98E-04	1.38E-04	3.21E-03	2.92E-04	8.73E-05	3.73E-03	1.31E-04	6.39E-09	3.90E-06	2.38E-06	1.37E-04
1772	494411.06	3859051.99	2.90E-04	7.69E-09	3.88E-06	2.36E-06	2.96E-04	1.37E-04	3.17E-03	2.91E-04	8.65E-05	3.68E-03	1.30E-04	6.31E-09	3.88E-06	2.36E-06	1.36E-04
1773	494461.06	3859051.99	2.87E-04	7.59E-09	3.87E-06	2.34E-06	2.94E-04	1.36E-04	3.13E-03	2.90E-04	8.57E-05	3.64E-03	1.29E-04	6.23E-09	3.87E-06	2.34E-06	1.35E-04
1774	494511.06	3859051.99	2.84E-04	7.46E-09	3.84E-06	2.31E-06	2.90E-04	1.34E-04	3.07E-03	2.88E-04	8.47E-05	3.58E-03	1.27E-04	6.12E-09	3.84E-06	2.31E-06	1.34E-04
1775	494561.06	3859051.99	2.82E-04	7.34E-09	3.82E-06	2.29E-06	2.88E-04	1.33E-04	3.03E-03	2.86E-04	8.38E-05	3.53E-03	1.26E-04	6.03E-09	3.82E-06	2.29E-06	1.32E-04
1776	494611.06	3859051.99	2.78E-04	7.20E-09	3.79E-06	2.26E-06	2.84E-04	1.31E-04	2.97E-03	2.84E-04	8.27E-05	3.46E-03	1.25E-04	5.91E-09	3.79E-06	2.26E-06	1.31E-04
1777	494661.06	3859051.99	2.74E-04	7.05E-09	3.75E-06	2.22E-06	2.80E-04	1.29E-04	2.90E-03	2.81E-04	8.16E-05	3.39E-03	1.23E-04	5.78E-09	3.75E-06	2.22E-06	1.29E-04
1778	494711.06	3859051.99	2.70E-04	6.90E-09	3.71E-06	2.19E-06	2.76E-04	1.27E-04	2.84E-03	2.78E-04	8.05E-05	3.33E-03	1.21E-04	5.67E-09	3.71E-06	2.19E-06	1.27E-04
1779	494761.06	3859051.99	2.65E-04	6.76E-09	3.66E-06	2.16E-06	2.71E-04	1.25E-04	2.78E-03	2.75E-04	7.94E-05	3.26E-03	1.19E-04	5.55E-09	3.66E-06	2.16E-06	1.25E-04
1780	494811.06	3859051.99	2.63E-04	6.65E-09	3.63E-06	2.14E-06	2.68E-04	1.24E-04	2.74E-03	2.72E-04	7.85E-05	3.22E-03	1.18E-04	5.46E-09	3.63E-06	2.14E-06	1.24E-04
1781	494861.06	3859051.99	2.60E-04	6.54E-09	3.60E-06	2.12E-06	2.65E-04	1.22E-04	2.70E-03	2.70E-04	7.76E-05	3.17E-03	1.16E-04	5.37E-09	3.60E-06	2.12E-06	1.22E-04
1782	494911.06	3859051.99	2.55E-04	6.39E-09	3.54E-06	2.09E-06	2.60E-04	1.20E-04	2.63E-03	2.65E-04	7.65E-05	3.09E-03	1.14E-04	5.24E-09	3.54E-06	2.09E-06	1.20E-04
1783	494961.06	3859051.99	2.47E-04	6.18E-09	3.45E-06	2.05E-06	2.52E-04	1.16E-04	2.54E-03	2.58E-04	7.50E-05	2.99E-03	1.11E-04	5.07E-09	3.45E-06	2.05E-06	1.16E-04
1784	495011.06	3859051.99	2.41E-04	6.02E-09	3.37E-06	2.01E-06	2.47E-04	1.14E-04	2.48E-03	2.53E-04	7.38E-05	2.92E-03	1.08E-04	4.94E-09	3.37E-06	2.01E-06	1.14E-04
1785	495061.06	3859051.99	2.38E-04	5.91E-09	3.33E-06	1.99E-06	2.43E-04	1.12E-04	2.43E-03	2.50E-04	7.28E-05	2.87E-03	1.07E-04	4.85E-09	3.33E-06	1.99E-06	1.12E-04
1786	495111.06	3859051.99	2.36E-04	5.84E-09	3.30E-06	1.97E-06	2.41E-04	1.11E-04	2.41E-03	2.48E-04	7.22E-05	2.84E-03	1.06E-04	4.79E-09	3.30E-06	1.97E-06	1.11E-04
1787	495161.06	3859051.99	2.38E-04	5.86E-09	3.33E-06	1.97E-06	2.43E-04	1.12E-04	2.41E-03	2.50E-04	7.21E-05	2.85E-03	1.07E-04	4.81E-09	3.33E-06	1.97E-06	1.12E-04
1788	495211.06	3859051.99	2.36E-04	5.78E-09	3.30E-06	1.95E-06	2.41E-04	1.11E-04	2.38E-03	2.47E-04	7.15E-05	2.81E-03	1.06E-04	4.75E-09	3.30E-06	1.95E-06	1.11E-04
1789	495261.06	3859051.99	2.37E-04	5.78E-09	3.31E-06	1.94E-06	2.42E-04	1.12E-04	2.38E-03	2.48E-04	7.12E-05	2.81E-03	1.06E-04	4.74E-09	3.31E-06	1.94E-06	1.12E-04
1790	495311.06	3859051.99	2.36E-04	5.72E-09	3.29E-06	1.93E-06	2.41E-04	1.11E-04	2.36E-03	2.47E-04	7.07E-05	2.79E-03	1.06E-04	4.70E-09	3.29E-06	1.93E-06	1.11E-04
1791	495361.06	3859051.99	2.35E-04	5.69E-09	3.29E-06	1.92E-06	2.41E-04	1.11E-04	2.34E-03	2.47E-04	7.03E-05	2.77E-03	1.06E-04	4.67E-09	3.29E-06	1.92E-06	1.11E-04
1792	495411.06	3859051.99	2.36E-04	5.67E-09	3.29E-06	1.91E-06	2.41E-04	1.11E-04	2.34E-03	2.47E-04	6.99E-05	2.77E-03	1.06E-04	4.66E-09	3.29E-06	1.91E-06	1.11E-04
1793	495461.06	3859051.99	2.36E-04	5.65E-09	3.29E-06	1.90E-06	2.41E-04	1.11E-04	2.33E-03	2.47E-04	6.96E-05	2.76E-03	1.06E-04	4.64E-09	3.29E-06	1.90E-06	1.11E-04
1794	495511.06	3859051.99	2.33E-04	5.57E-09	3.25E-06	1.88E-06	2.38E-04	1.10E-04	2.29E-03	2.44E-04	6.89E-05	2.72E-03	1.05E-04	4.57E-09	3.25E-06	1.88E-06	1.10E-04
1795	495561.06	3859051.99	2.31E-04	5.50E-09	3.22E-06	1.86E-06	2.36E-04	1.09E-04	2.26E-03	2.42E-04	6.83E-05	2.68E-03	1.04E-04	4.51E-09	3.22E-06	1.86E-06	1.09E-04
1796	495611.06	3859051.99	2.29E-04	5.44E-09	3.20E-06	1.85E-06	2.34E-04	1.08E-04	2.24E-03	2.40E-04	6.77E-05	2.66E-03	1.03E-04	4.46E-09	3.20E-06	1.85E-06	1.08E-04
1797	495661.06	3859051.99	2.31E-04	5.44E-09	3.21E-06	1.84E-06	2.36E-04	1.09E-04	2.24E-03	2.41E-04	6.75E-05	2.66E-03	1.03E-04	4.46E-09	3.21E-06	1.84E-06	1.09E-04
1798	494311.06	3859101.99	2.94E-04	8.09E-09	3.79E-06	2.41E-06	3.00E-04	1.39E-04	3.33E-03	2.84E-04	8.83E-05	3.84E-03	1.32E-04	6.64E-09	3.79E-06	2.41E-06	1.38E-04
1799	494361.06	3859101.99	2.92E-04	8.00E-09	3.77E-06	2.39E-06	2.98E-04	1.38E-04	3.30E-03	2.83E-04	8.76E-05	3.80E-03	1.31E-04	6.56E-09	3.77E-06	2.39E-06	1.37E-04
1800	494411.06	3859101.99	2.91E-04	7.93E-09	3.76E-06	2.37E-06	2.97E-04	1.37E-04	3.27E-03	2.82E-04	8.69E-05	3.77E-03	1.30E-04	6.51E-09	3.76E-06	2.37E-06	1.37E-04
1801	494461.06	3859101.99	2.88E-04	7.81E-09	3.75E-06	2.34E-06	2.94E-04	1.36E-04	3.22E-03	2.81E-04	8.60E-05	3.72E-03	1.29E-04	6.41E-09	3.75E-06	2.34E-06	1.35E-04
1802	494511.06	3859101.99	2.85E-04	7.65E-09	3.73E-06	2.32E-06	2.91E-04	1.34E-04	3.15E-03	2.79E-04	8.49E-05	3.65E-03	1.28E-04	6.28E-09	3.73E-06	2.32E-06	1.34E-04
1803	494561.06	3859101.99	2.82E-04	7.52E-09	3.70E-06	2.29E-06	2.88E-04	1.33E-04	3.10E-03	2.78E-04	8.40E-05	3.59E-03	1.26E-04	6.17E-09	3.70E-06	2.29E-06	1.32E-04
1804	494611.06	3859101.99	2.77E-04	7.34E-09	3.67E-06	2.26E-06	2.83E-04	1.31E-04	3.02E-03	2.75E-04	8.27E-05	3.51E-03	1.24E-04	6.02E-09	3.67E-06	2.26E-06	1.30E-04
1805	494661.06	3859101.99	2.74E-04	7.22E-09	3.65E-06	2.23E-06	2.80E-04	1.29E-04	2.97E-03	2.74E-04	8.18E-05	3.46E-03	1.23E-04	5.92E-09	3.65E-06	2.23E-06	1.29E-04
1806	494711.06	3859101.99	2.69E-04	7.02E-09	3.60E-06	2.19E-06	2.74E-04	1.27E-04	2.89E-03	2.70E-04	8.04E-05	3.37E-03	1.20E-04	5.76E-09	3.60E-06	2.19E-06	1.26E-04
1807	494761.06	3859101.99	2.67E-04	6.95E-09	3.59E-06	2.18E-06	2.73E-04	1.26E-04	2.86E-03	2.69E-04	7.98E-05	3.34E-03	1.20E-04	5.71E-09	3.59E-06	2.18E-06	1.26E-04
1808	494811.06	3859101.99	2.64E-04	6.82E-09	3.55E-06	2.15E-06	2.69E-04	1.24E-04	2.81E-03	2.66E-04	7.87E-05	3.28E-03	1.18E-04	5.60E-09	3.55E-06	2.15E-06	1.24E-04
1809	494861.06	3859101.99	2.61E-04	6.70E-09	3.52E-06	2.12E-06	2.66E-04	1.23E-04	2.76E-03	2.64E-04	7.78E-05	3.23E-03	1.17E-04	5.50E-09	3.52E-06	2.12E-06	1.22E-04
1810	494911.06	3859101.99	2.56E-04	6.54E-09	3.47E-06	2.09E-06	2.61E-04	1.21E-04	2.69E-03	2.60E-04	7.66E-05	3.15E-03	1.15E-04	5.36E-09	3.47E-06	2.09E-06	1.20E-04
1811	494961.06	3859101.99	2.48E-04	6.30E-09	3.38E-06	2.05E-06	2.53E-04	1.17E-04	2.60E-03	2.54E-04	7.50E-05	3.04E-03	1.11E-04	5.17E-09	3.38E-06	2.05E-06	1.17E-04
1812	495011.06	3859101.99	2.39E-04	6.07E-09	3.28E-06	2.00E-06	2.44E-04	1.13E-04	2.50E-03	2.46E-04	7.34E-05	2.93E-03	1.07E-04	4.98E-09	3.28E-06	2.00E-06	1.13E-04
1813	495061.06	3859101.99	2.40E-04	6.05E-09	3.29E-06	1.99E-06	2.45E-04	1.13E-04	2.49E-03	2.46E-04	7.31E-05	2.93E-03	1.07E-04	4.97E-09	3.29E-06	1.99E-06	1.13E-04
1814	495111.06	3859101.99	2.38E-04	5.97E-09	3.26E-06	1.97E-06	2.43E-04	1.12E-04	2.46E-03	2.45E-04	7.24E-05	2.89E-03	1.07E-04	4.90E-09	3.26E-06	1.97E-06	1.12E-04
1815	495161.06	3859101.99	2.40E-04	6.00E-09	3.28E-06	1.97E-06	2.45E-04	1.13E-04	2.47E-03	2.46E-04	7.23E-05	2.90E-03	1.07E-04	4.92E-09	3.28E-06	1.97E-06	1.13E-04
1816	495211.06	3859101.99	2.38E-04	5.92E-09	3.26E-06	1.95E-06	2.43E-04	1.12E-04	2.44E-03	2.45E-04	7.16E-05	2.87E-03	1.07E-04	4.86E-09	3.26E-06	1.95E-06	1.12E-04
1817	495261.06	3859101.99	2.38E-04	5.91E-09	3.27E-06	1.94E-06	2.43E-04	1.12E-04	2.43E-03	2.45E-04	7.13E-05	2.86E-03	1.07E-04	4.85E-09	3.27E-06	1.94E-06	1.12E-04
1818	495311.06	3859101.99	2.38E-04	5.86E-09	3.28E-06	1.94E-06	2.44E-04	1.12E-04	2.42E-03	2.46E-04	7.11E-05	2.85E-03	1.07E-04	4.81E-09	3.28E-06	1.94E-06	1.12E-04
1819	495361.06	3859101.99	2.38E-04	5.86E-09	3.27E-06	1.92E-06	2.44E-04	1.12E-04	2.41E-03	2.45E-04	7.06E-05	2.84E-03	1.07E-04	4.81E-09	3.27E-06	1.92E-06	1.12E-04
1820	495411.06	3859101.99	2.38E-04	5.83E-09	3.26E-06	1.91E-06	2.43E-04	1.12E-04	2.40E-03	2.45E-04	7.02E-05	2.83E-03	1.07E-04	4.78E-09	3.26E-06	1.91E-06	1.12E-04
1821	495461.06	3859101.99	2.38E-04	5.77E-09	3.28E-06	1.91E-06	2.43E-04	1.12E-04	2.38E-03	2.46E-04	6.99E-05	2.80E-03	1.07E-04	4.73E-09	3.28E-06	1.91E-06	1.12E-04
1822	495511.06	3859101.99	2.37E-04	5.72E-09	3.27E-06	1.89E-06	2.42E-04	1.12E-04	2.36E-03	2.45E-04	6.94E-05	2.78E-03	1.06E-04	4.70E-09	3.27E-06	1.89E-06	1.11E-04
1823	495561.06	3859101.99	2.34E-04	5.65E-09	3.21E-06	1.87E-06	2.39E-04	1.10E-04	2.33E-03	2.41E-04	6.85E-05	2.75E-03	1.05E-04	4.64E-09	3.21E-06	1.87E-06	1.10E-04
1824	495611.06	3859101.99	2.32E-04	5.58E-09	3.18E-06	1.85E-06	2.37E-04	1.09E-04	2.30E-03	2.39E-04	6.79E-05	2.72E-03	1.04E-04	4.58E-09	3.18E-06	1.85E-06	1.09E-04
1825	495661.06	3859101.99	2.32E-04	5.56E-09	3.18E-06	1.84E-06	2.37E-04	1.09E-04	2.29E-03	2.39E-04	6.76E-05	2.71E-03	1.04E-04	4.56E-09	3.18E-06	1.84E-06	1.09E-04
1826	494311.06	3859151.99	2.94E-04	8.32E-09	3.66E-06	2.41E-06	3.00E-04	1.39E-04	3.43E-03	2.75E-04	8.84E-05	3.93E-03	1.32E-04	6.83E-09	3.66E-06	2.41E-06	1.38E-04

1827	494361.06	3859151.99	2.93E-04	8.26E-09	3.65E-06	2.39E-06	2.99E-04	1.38E-04	3.40E-03	2.74E-04	8.77E-05	3.90E-03	1.31E-04	6.78E-09	3.65E-06	2.39E-06	1.37E-04
1828	494411.06	3859151.99	2.90E-04	8.12E-09	3.64E-06	2.37E-06	2.96E-04	1.37E-04	3.34E-03	2.73E-04	8.68E-05	3.84E-03	1.30E-04	6.66E-09	3.64E-06	2.37E-06	1.36E-04
1829	494461.06	3859151.99	2.87E-04	7.98E-09	3.62E-06	2.34E-06	2.93E-04	1.36E-04	3.29E-03	2.72E-04	8.58E-05	3.78E-03	1.29E-04	6.55E-09	3.62E-06	2.34E-06	1.35E-04
1830	494511.06	3859151.99	2.84E-04	7.80E-09	3.61E-06	2.31E-06	2.90E-04	1.34E-04	3.21E-03	2.70E-04	8.47E-05	3.70E-03	1.27E-04	6.40E-09	3.61E-06	2.31E-06	1.33E-04
1831	494561.06	3859151.99	2.81E-04	7.69E-09	3.59E-06	2.29E-06	2.87E-04	1.33E-04	3.17E-03	2.69E-04	8.39E-05	3.65E-03	1.26E-04	6.31E-09	3.59E-06	2.29E-06	1.32E-04
1832	494611.06	3859151.99	2.77E-04	7.52E-09	3.57E-06	2.26E-06	2.83E-04	1.31E-04	3.10E-03	2.68E-04	8.28E-05	3.58E-03	1.24E-04	6.17E-09	3.57E-06	2.26E-06	1.30E-04
1833	494661.06	3859151.99	2.75E-04	7.41E-09	3.55E-06	2.23E-06	2.81E-04	1.30E-04	3.05E-03	2.66E-04	8.19E-05	3.53E-03	1.23E-04	6.08E-09	3.55E-06	2.23E-06	1.29E-04
1834	494711.06	3859151.99	2.73E-04	7.31E-09	3.53E-06	2.21E-06	2.79E-04	1.29E-04	3.01E-03	2.65E-04	8.11E-05	3.49E-03	1.22E-04	6.00E-09	3.53E-06	2.21E-06	1.28E-04
1835	494761.06	3859151.99	2.68E-04	7.12E-09	3.50E-06	2.18E-06	2.74E-04	1.26E-04	2.93E-03	2.62E-04	7.98E-05	3.40E-03	1.20E-04	5.84E-09	3.50E-06	2.18E-06	1.26E-04
1836	494811.06	3859151.99	2.64E-04	6.96E-09	3.46E-06	2.15E-06	2.69E-04	1.24E-04	2.87E-03	2.60E-04	7.87E-05	3.33E-03	1.18E-04	5.71E-09	3.46E-06	2.15E-06	1.24E-04
1837	494861.06	3859151.99	2.61E-04	6.86E-09	3.44E-06	2.12E-06	2.67E-04	1.23E-04	2.82E-03	2.58E-04	7.79E-05	3.28E-03	1.17E-04	5.63E-09	3.44E-06	2.12E-06	1.23E-04
1838	494911.06	3859151.99	2.56E-04	6.67E-09	3.39E-06	2.09E-06	2.61E-04	1.21E-04	2.75E-03	2.54E-04	7.66E-05	3.20E-03	1.15E-04	5.47E-09	3.39E-06	2.09E-06	1.20E-04
1839	494961.06	3859151.99	2.49E-04	6.42E-09	3.33E-06	2.05E-06	2.54E-04	1.17E-04	2.65E-03	2.50E-04	7.52E-05	3.09E-03	1.12E-04	5.27E-09	3.33E-06	2.05E-06	1.17E-04
1840	495011.06	3859151.99	2.41E-04	6.21E-09	3.23E-06	2.00E-06	2.46E-04	1.14E-04	2.56E-03	2.42E-04	7.35E-05	2.99E-03	1.08E-04	5.10E-09	3.23E-06	2.00E-06	1.13E-04
1841	495061.06	3859151.99	2.41E-04	6.18E-09	3.23E-06	1.99E-06	2.46E-04	1.14E-04	2.55E-03	2.42E-04	7.30E-05	2.97E-03	1.08E-04	5.07E-09	3.23E-06	1.99E-06	1.13E-04
1842	495111.06	3859151.99	2.40E-04	6.12E-09	3.22E-06	1.98E-06	2.45E-04	1.13E-04	2.52E-03	2.41E-04	7.25E-05	2.95E-03	1.07E-04	5.03E-09	3.22E-06	1.98E-06	1.13E-04
1843	495161.06	3859151.99	2.42E-04	6.15E-09	3.24E-06	1.97E-06	2.47E-04	1.14E-04	2.53E-03	2.43E-04	7.24E-05	2.96E-03	1.08E-04	5.04E-09	3.24E-06	1.97E-06	1.14E-04
1844	495211.06	3859151.99	2.41E-04	6.10E-09	3.23E-06	1.96E-06	2.46E-04	1.14E-04	2.51E-03	2.42E-04	7.19E-05	2.94E-03	1.08E-04	5.00E-09	3.23E-06	1.96E-06	1.13E-04
1845	495261.06	3859151.99	2.40E-04	6.05E-09	3.22E-06	1.95E-06	2.45E-04	1.13E-04	2.49E-03	2.42E-04	7.14E-05	2.92E-03	1.08E-04	4.97E-09	3.22E-06	1.95E-06	1.13E-04
1846	495311.06	3859151.99	2.40E-04	6.02E-09	3.22E-06	1.93E-06	2.45E-04	1.13E-04	2.48E-03	2.41E-04	7.09E-05	2.90E-03	1.07E-04	4.94E-09	3.22E-06	1.93E-06	1.13E-04
1847	495361.06	3859151.99	2.39E-04	5.98E-09	3.21E-06	1.92E-06	2.44E-04	1.13E-04	2.46E-03	2.41E-04	7.05E-05	2.89E-03	1.07E-04	4.90E-09	3.21E-06	1.92E-06	1.12E-04
1848	495411.06	3859151.99	2.41E-04	5.99E-09	3.23E-06	1.92E-06	2.46E-04	1.14E-04	2.47E-03	2.42E-04	7.03E-05	2.89E-03	1.08E-04	4.92E-09	3.23E-06	1.92E-06	1.13E-04
1849	495461.06	3859151.99	2.40E-04	5.95E-09	3.22E-06	1.91E-06	2.45E-04	1.13E-04	2.45E-03	2.42E-04	6.99E-05	2.88E-03	1.08E-04	4.89E-09	3.22E-06	1.91E-06	1.13E-04
1850	495511.06	3859151.99	2.38E-04	5.87E-09	3.19E-06	1.89E-06	2.43E-04	1.12E-04	2.42E-03	2.40E-04	6.92E-05	2.84E-03	1.07E-04	4.82E-09	3.19E-06	1.89E-06	1.12E-04
1851	495561.06	3859151.99	2.36E-04	5.80E-09	3.18E-06	1.87E-06	2.41E-04	1.11E-04	2.39E-03	2.38E-04	6.86E-05	2.81E-03	1.06E-04	4.76E-09	3.18E-06	1.87E-06	1.11E-04
1852	495611.06	3859151.99	2.35E-04	5.75E-09	3.16E-06	1.86E-06	2.40E-04	1.11E-04	2.37E-03	2.37E-04	6.81E-05	2.78E-03	1.05E-04	4.72E-09	3.16E-06	1.86E-06	1.10E-04
1853	495661.06	3859151.99	2.34E-04	5.70E-09	3.15E-06	1.84E-06	2.39E-04	1.10E-04	2.35E-03	2.36E-04	6.76E-05	2.76E-03	1.05E-04	4.68E-09	3.15E-06	1.84E-06	1.10E-04
1854	494311.06	3859201.99	2.93E-04	8.55E-09	3.54E-06	2.40E-06	2.99E-04	1.38E-04	3.52E-03	2.65E-04	8.81E-05	4.02E-03	1.32E-04	7.02E-09	3.54E-06	2.40E-06	1.38E-04
1855	494361.06	3859201.99	2.92E-04	8.46E-09	3.53E-06	2.38E-06	2.98E-04	1.38E-04	3.48E-03	2.65E-04	8.74E-05	3.97E-03	1.31E-04	6.94E-09	3.53E-06	2.38E-06	1.37E-04
1856	494411.06	3859201.99	2.90E-04	8.33E-09	3.52E-06	2.36E-06	2.96E-04	1.37E-04	3.43E-03	2.64E-04	8.65E-05	3.92E-03	1.30E-04	6.84E-09	3.52E-06	2.36E-06	1.36E-04
1857	494461.06	3859201.99	2.86E-04	8.15E-09	3.51E-06	2.33E-06	2.92E-04	1.35E-04	3.36E-03	2.63E-04	8.56E-05	3.84E-03	1.28E-04	6.69E-09	3.51E-06	2.33E-06	1.34E-04
1858	494511.06	3859201.99	2.84E-04	8.03E-09	3.50E-06	2.31E-06	2.90E-04	1.34E-04	3.31E-03	2.62E-04	8.47E-05	3.79E-03	1.27E-04	6.59E-09	3.50E-06	2.31E-06	1.33E-04
1859	494561.06	3859201.99	2.80E-04	7.84E-09	3.48E-06	2.28E-06	2.86E-04	1.32E-04	3.23E-03	2.61E-04	8.36E-05	3.71E-03	1.26E-04	6.44E-09	3.48E-06	2.28E-06	1.32E-04
1860	494611.06	3859201.99	2.77E-04	7.70E-09	3.47E-06	2.25E-06	2.83E-04	1.31E-04	3.17E-03	2.60E-04	8.27E-05	3.64E-03	1.24E-04	6.32E-09	3.47E-06	2.25E-06	1.30E-04
1861	494661.06	3859201.99	2.75E-04	7.58E-09	3.45E-06	2.23E-06	2.81E-04	1.30E-04	3.12E-03	2.59E-04	8.18E-05	3.59E-03	1.23E-04	6.22E-09	3.45E-06	2.23E-06	1.29E-04
1862	494711.06	3859201.99	2.72E-04	7.46E-09	3.43E-06	2.21E-06	2.78E-04	1.29E-04	3.07E-03	2.58E-04	8.10E-05	3.54E-03	1.22E-04	6.12E-09	3.43E-06	2.21E-06	1.28E-04
1863	494761.06	3859201.99	2.68E-04	7.28E-09	3.41E-06	2.18E-06	2.74E-04	1.26E-04	3.00E-03	2.56E-04	7.98E-05	3.46E-03	1.20E-04	5.97E-09	3.41E-06	2.18E-06	1.26E-04
1864	494811.06	3859201.99	2.65E-04	7.13E-09	3.38E-06	2.15E-06	2.70E-04	1.25E-04	2.94E-03	2.53E-04	7.87E-05	3.39E-03	1.19E-04	5.85E-09	3.38E-06	2.15E-06	1.24E-04
1865	494861.06	3859201.99	2.61E-04	6.94E-09	3.36E-06	2.12E-06	2.66E-04	1.23E-04	2.86E-03	2.52E-04	7.78E-05	3.31E-03	1.17E-04	5.70E-09	3.36E-06	2.12E-06	1.22E-04
1866	494911.06	3859201.99	2.54E-04	6.75E-09	3.30E-06	2.08E-06	2.60E-04	1.20E-04	2.78E-03	2.47E-04	7.62E-05	3.22E-03	1.14E-04	5.54E-09	3.30E-06	2.08E-06	1.20E-04
1867	494961.06	3859201.99	2.48E-04	6.54E-09	3.24E-06	2.04E-06	2.54E-04	1.17E-04	2.69E-03	2.43E-04	7.48E-05	3.13E-03	1.11E-04	5.37E-09	3.24E-06	2.04E-06	1.17E-04
1868	495011.06	3859201.99	2.40E-04	6.27E-09	3.15E-06	1.99E-06	2.45E-04	1.13E-04	2.58E-03	2.36E-04	7.31E-05	3.01E-03	1.07E-04	5.15E-09	3.15E-06	1.99E-06	1.13E-04
1869	495061.06	3859201.99	2.43E-04	6.34E-09	3.18E-06	2.00E-06	2.48E-04	1.15E-04	2.61E-03	2.39E-04	7.32E-05	3.04E-03	1.09E-04	5.20E-09	3.18E-06	2.00E-06	1.14E-04
1870	495111.06	3859201.99	2.43E-04	6.32E-09	3.19E-06	1.99E-06	2.48E-04	1.15E-04	2.60E-03	2.39E-04	7.28E-05	3.03E-03	1.09E-04	5.19E-09	3.19E-06	1.99E-06	1.14E-04
1871	495161.06	3859201.99	2.43E-04	6.28E-09	3.18E-06	1.97E-06	2.48E-04	1.15E-04	2.59E-03	2.39E-04	7.24E-05	3.01E-03	1.09E-04	5.16E-09	3.18E-06	1.97E-06	1.14E-04
1872	495211.06	3859201.99	2.41E-04	6.21E-09	3.16E-06	1.96E-06	2.46E-04	1.14E-04	2.56E-03	2.37E-04	7.18E-05	2.98E-03	1.08E-04	5.10E-09	3.16E-06	1.96E-06	1.13E-04
1873	495261.06	3859201.99	2.42E-04	6.20E-09	3.17E-06	1.95E-06	2.47E-04	1.14E-04	2.55E-03	2.38E-04	7.14E-05	2.98E-03	1.08E-04	5.08E-09	3.17E-06	1.95E-06	1.13E-04
1874	495311.06	3859201.99	2.41E-04	6.16E-09	3.16E-06	1.94E-06	2.46E-04	1.14E-04	2.54E-03	2.37E-04	7.10E-05	2.96E-03	1.08E-04	5.06E-09	3.16E-06	1.94E-06	1.13E-04
1875	495361.06	3859201.99	2.41E-04	6.13E-09	3.16E-06	1.93E-06	2.46E-04	1.14E-04	2.53E-03	2.37E-04	7.06E-05	2.95E-03	1.08E-04	5.03E-09	3.16E-06	1.93E-06	1.13E-04
1876	495411.06	3859201.99	2.42E-04	6.14E-09	3.17E-06	1.92E-06	2.47E-04	1.14E-04	2.53E-03	2.38E-04	7.04E-05	2.95E-03	1.09E-04	5.04E-09	3.17E-06	1.92E-06	1.14E-04
1877	495461.06	3859201.99	2.41E-04	6.09E-09	3.16E-06	1.91E-06	2.46E-04	1.14E-04	2.51E-03	2.37E-04	6.99E-05	2.93E-03	1.08E-04	5.00E-09	3.16E-06	1.91E-06	1.13E-04
1878	495511.06	3859201.99	2.40E-04	6.04E-09	3.15E-06	1.89E-06	2.45E-04	1.13E-04	2.49E-03	2.37E-04	6.94E-05	2.91E-03	1.08E-04	4.95E-09	3.15E-06	1.89E-06	1.13E-04
1879	495561.06	3859201.99	2.38E-04	5.94E-09	3.13E-06	1.87E-06	2.43E-04	1.12E-04	2.45E-03	2.35E-04	6.87E-05	2.86E-03	1.07E-04	4.88E-09	3.13E-06	1.87E-06	1.12E-04
1880	495611.06	3859201.99	2.36E-04	5.87E-09	3.11E-06	1.86E-06	2.41E-04	1.11E-04	2.42E-03	2.33E-04	6.81E-05	2.83E-03	1.06E-04	4.82E-09	3.11E-06	1.86E-06	1.11E-04
1881	495661.06	3859201.99	2.35E-04	5.82E-09	3.10E-06	1.84E-06	2.40E-04	1.11E-04	2.40E-03	2.32E-04	6.76E-05	2.81E-03	1.05E-04	4.78E-09	3.10E-06	1.84E-06	1.10E-04
1882	494311.06	3859251.99	2.92E-04	8.79E-09	3.42E-06	2.39E-06	2.98E-04	1.38E-04	3.62E-03	2.56E-04	8.76E-05	4.10E-03	1.31E-04	7.21E-09	3.42E-06	2.39E-06	1.37E-04
1883	494361.06	3859251.99	2.90E-04	8.65E-09	3.41E-06	2.37E-06	2.96E-04	1.37E-04	3.56E-03	2.56E-04	8.68E-05	4.04E-03	1.30E-04	7.10E-09	3.41E-06	2.37E-06	1.36E-04
1884	494411.06	3859251.99	2.87E-04	8.46E-09	3.41E-06	2.34E-06	2.93E-04	1.35E-04	3.49E-03	2.56E-04	8.59E-05	3.96E-03	1.29E-04	6.94E-09	3.41E-06	2.34E-06	1.35E-04
1885	494461.06	3859251.99	2.85E-04	8.33E-09	3.40E-06	2.32E-06	2.91E-04	1.35E-04	3.43E-03	2.55E-04	8.51E-05	3.91E-03	1.28E-04	6.84E-09	3.40E-06	2.32E-06	1.34E-04
1886	494511.06	3859251.99	2.82E-04	8.14E-09	3.39E-06	2.29E-06	2.87E-04	1.33E-04	3.35E-03	2.55E-04	8.41E-05	3.82E-03	1.26E-04	6.68E-09	3.39E-06	2.29E-06	1.32E-04
1887	494561.06	3859251.99	2.79E-04	8.01E-09	3.38E-06	2.27E-06	2.85E-04	1.32E-04	3.30E-03	2.54E-04	8.32E-05	3.77E-03	1.25E-04	6.57E-09	3.38E-06	2.27E-06	1.31E-04

1888	494611.06	3859251.99	2.76E-04	7.84E-09	3.37E-06	2.24E-06	2.82E-04	1.30E-04	3.23E-03	2.53E-04	8.23E-05	3.70E-03	1.24E-04	6.43E-09	3.37E-06	2.24E-06	1.30E-04
1889	494661.06	3859251.99	2.75E-04	7.75E-09	3.36E-06	2.22E-06	2.80E-04	1.29E-04	3.19E-03	2.52E-04	8.16E-05	3.65E-03	1.23E-04	6.36E-09	3.36E-06	2.22E-06	1.29E-04
1890	494711.06	3859251.99	2.72E-04	7.62E-09	3.34E-06	2.20E-06	2.78E-04	1.28E-04	3.14E-03	2.51E-04	8.07E-05	3.60E-03	1.22E-04	6.26E-09	3.34E-06	2.20E-06	1.28E-04
1891	494761.06	3859251.99	2.66E-04	7.33E-09	3.32E-06	2.16E-06	2.72E-04	1.25E-04	3.02E-03	2.49E-04	7.94E-05	3.47E-03	1.19E-04	6.01E-09	3.32E-06	2.16E-06	1.25E-04
1892	494811.06	3859251.99	2.65E-04	7.29E-09	3.30E-06	2.14E-06	2.70E-04	1.25E-04	3.00E-03	2.47E-04	7.86E-05	3.45E-03	1.19E-04	5.98E-09	3.30E-06	2.14E-06	1.24E-04
1893	494861.06	3859251.99	2.59E-04	7.03E-09	3.27E-06	2.11E-06	2.65E-04	1.22E-04	2.90E-03	2.45E-04	7.74E-05	3.34E-03	1.16E-04	5.77E-09	3.27E-06	2.11E-06	1.22E-04
1894	494911.06	3859251.99	2.53E-04	6.83E-09	3.21E-06	2.07E-06	2.58E-04	1.19E-04	2.81E-03	2.41E-04	7.58E-05	3.25E-03	1.14E-04	5.60E-09	3.21E-06	2.07E-06	1.19E-04
1895	494961.06	3859251.99	2.50E-04	6.71E-09	3.19E-06	2.04E-06	2.55E-04	1.18E-04	2.77E-03	2.39E-04	7.49E-05	3.20E-03	1.12E-04	5.51E-09	3.19E-06	2.04E-06	1.17E-04
1896	495011.06	3859251.99	2.47E-04	6.58E-09	3.15E-06	2.02E-06	2.52E-04	1.16E-04	2.71E-03	2.36E-04	7.39E-05	3.14E-03	1.11E-04	5.40E-09	3.15E-06	2.02E-06	1.16E-04
1897	495061.06	3859251.99	2.47E-04	6.56E-09	3.15E-06	2.01E-06	2.52E-04	1.16E-04	2.70E-03	2.37E-04	7.36E-05	3.13E-03	1.11E-04	5.39E-09	3.15E-06	2.01E-06	1.16E-04
1898	495111.06	3859251.99	2.46E-04	6.50E-09	3.14E-06	1.99E-06	2.51E-04	1.16E-04	2.68E-03	2.36E-04	7.30E-05	3.10E-03	1.10E-04	5.33E-09	3.14E-06	1.99E-06	1.15E-04
1899	495161.06	3859251.99	2.45E-04	6.46E-09	3.13E-06	1.98E-06	2.50E-04	1.16E-04	2.66E-03	2.35E-04	7.26E-05	3.09E-03	1.10E-04	5.30E-09	3.13E-06	1.98E-06	1.15E-04
1900	495211.06	3859251.99	2.44E-04	6.39E-09	3.12E-06	1.96E-06	2.49E-04	1.15E-04	2.63E-03	2.34E-04	7.20E-05	3.05E-03	1.09E-04	5.25E-09	3.12E-06	1.96E-06	1.14E-04
1901	495261.06	3859251.99	2.44E-04	6.35E-09	3.13E-06	1.96E-06	2.49E-04	1.15E-04	2.62E-03	2.35E-04	7.18E-05	3.04E-03	1.09E-04	5.21E-09	3.13E-06	1.96E-06	1.14E-04
1902	495311.06	3859251.99	2.43E-04	6.34E-09	3.12E-06	1.94E-06	2.48E-04	1.15E-04	2.61E-03	2.34E-04	7.12E-05	3.03E-03	1.09E-04	5.20E-09	3.12E-06	1.94E-06	1.14E-04
1903	495361.06	3859251.99	2.43E-04	6.30E-09	3.11E-06	1.93E-06	2.48E-04	1.14E-04	2.59E-03	2.33E-04	7.07E-05	3.01E-03	1.09E-04	5.17E-09	3.11E-06	1.93E-06	1.14E-04
1904	495411.06	3859251.99	2.43E-04	6.29E-09	3.11E-06	1.92E-06	2.48E-04	1.15E-04	2.59E-03	2.34E-04	7.05E-05	3.01E-03	1.09E-04	5.16E-09	3.11E-06	1.92E-06	1.14E-04
1905	495461.06	3859251.99	2.42E-04	6.24E-09	3.11E-06	1.91E-06	2.47E-04	1.14E-04	2.57E-03	2.33E-04	7.00E-05	2.99E-03	1.09E-04	5.12E-09	3.11E-06	1.91E-06	1.14E-04
1906	495511.06	3859251.99	2.40E-04	6.14E-09	3.08E-06	1.89E-06	2.45E-04	1.13E-04	2.53E-03	2.31E-04	6.92E-05	2.94E-03	1.08E-04	5.04E-09	3.08E-06	1.89E-06	1.13E-04
1907	495561.06	3859251.99	2.39E-04	6.08E-09	3.07E-06	1.87E-06	2.44E-04	1.13E-04	2.51E-03	2.30E-04	6.87E-05	2.92E-03	1.07E-04	4.99E-09	3.07E-06	1.87E-06	1.12E-04
1908	495611.06	3859251.99	2.37E-04	6.00E-09	3.05E-06	1.85E-06	2.41E-04	1.12E-04	2.47E-03	2.29E-04	6.80E-05	2.88E-03	1.06E-04	4.92E-09	3.05E-06	1.85E-06	1.11E-04
1909	495661.06	3859251.99	2.35E-04	5.94E-09	3.04E-06	1.84E-06	2.40E-04	1.11E-04	2.45E-03	2.28E-04	6.75E-05	2.85E-03	1.06E-04	4.87E-09	3.04E-06	1.84E-06	1.10E-04
1910	494311.06	3859301.99	2.90E-04	9.01E-09	3.30E-06	2.37E-06	2.96E-04	1.37E-04	3.71E-03	2.48E-04	8.68E-05	4.18E-03	1.30E-04	7.39E-09	3.30E-06	2.37E-06	1.36E-04
1911	494361.06	3859301.99	2.88E-04	8.85E-09	3.30E-06	2.35E-06	2.94E-04	1.36E-04	3.65E-03	2.47E-04	8.60E-05	4.12E-03	1.29E-04	7.26E-09	3.30E-06	2.35E-06	1.35E-04
1912	494411.06	3859301.99	2.86E-04	8.66E-09	3.30E-06	2.32E-06	2.91E-04	1.35E-04	3.57E-03	2.48E-04	8.52E-05	4.03E-03	1.28E-04	7.11E-09	3.30E-06	2.32E-06	1.34E-04
1913	494461.06	3859301.99	2.83E-04	8.47E-09	3.30E-06	2.30E-06	2.89E-04	1.33E-04	3.49E-03	2.48E-04	8.43E-05	3.96E-03	1.27E-04	6.95E-09	3.30E-06	2.30E-06	1.32E-04
1914	494511.06	3859301.99	2.80E-04	8.31E-09	3.30E-06	2.28E-06	2.86E-04	1.32E-04	3.42E-03	2.47E-04	8.35E-05	3.89E-03	1.26E-04	6.82E-09	3.30E-06	2.28E-06	1.31E-04
1915	494561.06	3859301.99	2.78E-04	8.18E-09	3.29E-06	2.26E-06	2.84E-04	1.31E-04	3.37E-03	2.47E-04	8.27E-05	3.83E-03	1.25E-04	6.71E-09	3.29E-06	2.26E-06	1.30E-04
1916	494611.06	3859301.99	2.76E-04	8.03E-09	3.28E-06	2.23E-06	2.81E-04	1.30E-04	3.31E-03	2.46E-04	8.19E-05	3.77E-03	1.24E-04	6.59E-09	3.28E-06	2.23E-06	1.29E-04
1917	494661.06	3859301.99	2.73E-04	7.89E-09	3.27E-06	2.21E-06	2.79E-04	1.29E-04	3.25E-03	2.45E-04	8.10E-05	3.71E-03	1.23E-04	6.48E-09	3.27E-06	2.21E-06	1.28E-04
1918	494711.06	3859301.99	2.70E-04	7.73E-09	3.25E-06	2.19E-06	2.76E-04	1.28E-04	3.19E-03	2.44E-04	8.01E-05	3.64E-03	1.21E-04	6.35E-09	3.25E-06	2.19E-06	1.27E-04
1919	494761.06	3859301.99	2.68E-04	7.59E-09	3.24E-06	2.16E-06	2.73E-04	1.26E-04	3.13E-03	2.43E-04	7.93E-05	3.58E-03	1.20E-04	6.23E-09	3.24E-06	2.16E-06	1.25E-04
1920	494811.06	3859301.99	2.64E-04	7.39E-09	3.22E-06	2.13E-06	2.69E-04	1.24E-04	3.05E-03	2.42E-04	7.81E-05	3.49E-03	1.18E-04	6.07E-09	3.22E-06	2.13E-06	1.24E-04
1921	494861.06	3859301.99	2.58E-04	7.14E-09	3.19E-06	2.09E-06	2.63E-04	1.22E-04	2.94E-03	2.39E-04	7.67E-05	3.38E-03	1.16E-04	5.86E-09	3.19E-06	2.09E-06	1.21E-04
1922	494911.06	3859301.99	2.55E-04	7.01E-09	3.16E-06	2.07E-06	2.60E-04	1.20E-04	2.89E-03	2.37E-04	7.58E-05	3.32E-03	1.14E-04	5.75E-09	3.16E-06	2.07E-06	1.19E-04
1923	494961.06	3859301.99	2.48E-04	6.76E-09	3.12E-06	2.03E-06	2.54E-04	1.17E-04	2.78E-03	2.34E-04	7.44E-05	3.21E-03	1.11E-04	5.54E-09	3.12E-06	2.03E-06	1.17E-04
1924	495011.06	3859301.99	2.46E-04	6.66E-09	3.09E-06	2.01E-06	2.51E-04	1.16E-04	2.74E-03	2.32E-04	7.37E-05	3.16E-03	1.10E-04	5.46E-09	3.09E-06	2.01E-06	1.16E-04
1925	495061.06	3859301.99	2.49E-04	6.74E-09	3.12E-06	2.02E-06	2.55E-04	1.18E-04	2.77E-03	2.34E-04	7.39E-05	3.20E-03	1.12E-04	5.53E-09	3.12E-06	2.02E-06	1.17E-04
1926	495111.06	3859301.99	2.46E-04	6.60E-09	3.09E-06	1.99E-06	2.51E-04	1.16E-04	2.72E-03	2.31E-04	7.29E-05	3.14E-03	1.10E-04	5.42E-09	3.09E-06	1.99E-06	1.15E-04
1927	495161.06	3859301.99	2.45E-04	6.57E-09	3.07E-06	1.97E-06	2.50E-04	1.16E-04	2.71E-03	2.30E-04	7.23E-05	3.13E-03	1.10E-04	5.39E-09	3.07E-06	1.97E-06	1.15E-04
1928	495211.06	3859301.99	2.46E-04	6.58E-09	3.08E-06	1.97E-06	2.51E-04	1.16E-04	2.71E-03	2.31E-04	7.21E-05	3.13E-03	1.10E-04	5.40E-09	3.08E-06	1.97E-06	1.15E-04
1929	495261.06	3859301.99	2.46E-04	6.56E-09	3.07E-06	1.96E-06	2.51E-04	1.16E-04	2.70E-03	2.30E-04	7.17E-05	3.12E-03	1.10E-04	5.38E-09	3.07E-06	1.96E-06	1.15E-04
1930	495311.06	3859301.99	2.44E-04	6.46E-09	3.05E-06	1.94E-06	2.49E-04	1.15E-04	2.66E-03	2.29E-04	7.10E-05	3.08E-03	1.09E-04	5.30E-09	3.05E-06	1.94E-06	1.14E-04
1931	495361.06	3859301.99	2.44E-04	6.45E-09	3.05E-06	1.93E-06	2.49E-04	1.15E-04	2.66E-03	2.29E-04	7.07E-05	3.07E-03	1.09E-04	5.29E-09	3.05E-06	1.93E-06	1.14E-04
1932	495411.06	3859301.99	2.43E-04	6.41E-09	3.05E-06	1.92E-06	2.48E-04	1.15E-04	2.64E-03	2.29E-04	7.03E-05	3.06E-03	1.09E-04	5.26E-09	3.05E-06	1.92E-06	1.14E-04
1933	495461.06	3859301.99	2.43E-04	6.38E-09	3.04E-06	1.91E-06	2.48E-04	1.15E-04	2.63E-03	2.28E-04	6.99E-05	3.04E-03	1.09E-04	5.24E-09	3.04E-06	1.91E-06	1.14E-04
1934	495511.06	3859301.99	2.41E-04	6.30E-09	3.03E-06	1.89E-06	2.46E-04	1.14E-04	2.60E-03	2.27E-04	6.92E-05	3.01E-03	1.08E-04	5.17E-09	3.03E-06	1.89E-06	1.13E-04
1935	495561.06	3859301.99	2.38E-04	6.17E-09	3.00E-06	1.87E-06	2.43E-04	1.12E-04	2.54E-03	2.25E-04	6.84E-05	2.95E-03	1.07E-04	5.07E-09	3.00E-06	1.87E-06	1.12E-04
1936	495611.06	3859301.99	2.37E-04	6.11E-09	2.99E-06	1.85E-06	2.42E-04	1.12E-04	2.52E-03	2.24E-04	6.79E-05	2.92E-03	1.06E-04	5.02E-09	2.99E-06	1.85E-06	1.11E-04
1937	495661.06	3859301.99	2.36E-04	6.05E-09	2.98E-06	1.84E-06	2.40E-04	1.11E-04	2.49E-03	2.23E-04	6.73E-05	2.90E-03	1.06E-04	4.97E-09	2.98E-06	1.84E-06	1.10E-04
1938	494311.06	3859351.99	2.88E-04	9.17E-09	3.19E-06	2.34E-06	2.93E-04	1.36E-04	3.78E-03	2.39E-04	8.57E-05	4.24E-03	1.29E-04	7.53E-09	3.19E-06	2.34E-06	1.34E-04
1939	494361.06	3859351.99	2.86E-04	9.01E-09	3.19E-06	2.32E-06	2.91E-04	1.35E-04	3.71E-03	2.39E-04	8.50E-05	4.17E-03	1.28E-04	7.40E-09	3.19E-06	2.32E-06	1.34E-04
1940	494411.06	3859351.99	2.83E-04	8.80E-09	3.20E-06	2.30E-06	2.88E-04	1.33E-04	3.63E-03	2.40E-04	8.42E-05	4.08E-03	1.27E-04	7.22E-09	3.20E-06	2.30E-06	1.32E-04
1941	494461.06	3859351.99	2.81E-04	8.62E-09	3.20E-06	2.28E-06	2.86E-04	1.32E-04	3.55E-03	2.40E-04	8.34E-05	4.01E-03	1.26E-04	7.07E-09	3.20E-06	2.28E-06	1.31E-04
1942	494511.06	3859351.99	2.78E-04	8.46E-09	3.20E-06	2.25E-06	2.84E-04	1.31E-04	3.49E-03	2.40E-04	8.27E-05	3.94E-03	1.25E-04	6.94E-09	3.20E-06	2.25E-06	1.30E-04
1943	494561.06	3859351.99	2.77E-04	8.34E-09	3.19E-06	2.23E-06	2.82E-04	1.30E-04	3.44E-03	2.40E-04	8.19E-05	3.89E-03	1.24E-04	6.84E-09	3.19E-06	2.23E-06	1.29E-04
1944	494611.06	3859351.99	2.74E-04	8.20E-09	3.19E-06	2.21E-06	2.80E-04	1.29E-04	3.38E-03	2.39E-04	8.12E-05	3.83E-03	1.23E-04	6.73E-09	3.19E-06	2.21E-06	1.28E-04
1945	494661.06	3859351.99	2.72E-04	8.06E-09	3.18E-06	2.19E-06	2.78E-04	1.28E-04	3.32E-03	2.39E-04	8.04E-05	3.77E-03	1.22E-04	6.61E-09	3.18E-06	2.19E-06	1.27E-04
1946	494711.06	3859351.99	2.69E-04	7.88E-09	3.17E-06	2.17E-06	2.75E-04	1.27E-04	3.25E-03	2.38E-04	7.95E-05	3.69E-03	1.21E-04	6.47E-09	3.17E-06	2.17E-06	1.26E-04
1947	494761.06	3859351.99	2.66E-04	7.65E-09	3.17E-06	2.15E-06	2.71E-04	1.25E-04	3.15E-03	2.38E-04	7.87E-05	3.59E-03	1.19E-04	6.28E-09	3.17E-06	2.15E-06	1.24E-04
1948	494811.06	3859351.99	2.60E-04	7.38E-09	3.14E-06	2.10E-06	2.65E-04	1.22E-04	3.04E-03	2.36E-04	7.71E-05	3.48E-03	1.16E-04	6.06E-09	3.14E-06	2.10E-06	1.22E-04

1949	494861.06	3859351.99	2.57E-04	7.26E-09	3.12E-06	2.08E-06	2.62E-04	1.21E-04	2.99E-03	2.34E-04	7.63E-05	3.42E-03	1.15E-04	5.96E-09	3.12E-06	2.08E-06	1.21E-04
1950	494911.06	3859351.99	2.56E-04	7.18E-09	3.11E-06	2.06E-06	2.61E-04	1.21E-04	2.96E-03	2.33E-04	7.57E-05	3.39E-03	1.15E-04	5.89E-09	3.11E-06	2.06E-06	1.20E-04
1951	494961.06	3859351.99	2.53E-04	7.06E-09	3.09E-06	2.04E-06	2.58E-04	1.19E-04	2.91E-03	2.32E-04	7.48E-05	3.33E-03	1.13E-04	5.79E-09	3.09E-06	2.04E-06	1.19E-04
1952	495011.06	3859351.99	2.51E-04	6.96E-09	3.07E-06	2.02E-06	2.56E-04	1.18E-04	2.87E-03	2.30E-04	7.41E-05	3.29E-03	1.13E-04	5.71E-09	3.07E-06	2.02E-06	1.18E-04
1953	495061.06	3859351.99	2.52E-04	6.99E-09	3.07E-06	2.02E-06	2.57E-04	1.19E-04	2.88E-03	2.30E-04	7.39E-05	3.30E-03	1.13E-04	5.73E-09	3.07E-06	2.02E-06	1.18E-04
1954	495111.06	3859351.99	2.50E-04	6.88E-09	3.05E-06	2.00E-06	2.55E-04	1.18E-04	2.84E-03	2.29E-04	7.32E-05	3.26E-03	1.12E-04	5.65E-09	3.05E-06	2.00E-06	1.17E-04
1955	495161.06	3859351.99	2.49E-04	6.83E-09	3.04E-06	1.98E-06	2.54E-04	1.17E-04	2.81E-03	2.28E-04	7.27E-05	3.23E-03	1.12E-04	5.60E-09	3.04E-06	1.98E-06	1.17E-04
1956	495211.06	3859351.99	2.48E-04	6.77E-09	3.03E-06	1.97E-06	2.53E-04	1.17E-04	2.79E-03	2.27E-04	7.21E-05	3.20E-03	1.11E-04	5.55E-09	3.03E-06	1.97E-06	1.16E-04
1957	495261.06	3859351.99	2.47E-04	6.74E-09	3.02E-06	1.96E-06	2.52E-04	1.17E-04	2.78E-03	2.27E-04	7.17E-05	3.19E-03	1.11E-04	5.53E-09	3.02E-06	1.96E-06	1.16E-04
1958	495311.06	3859351.99	2.46E-04	6.65E-09	3.01E-06	1.94E-06	2.51E-04	1.16E-04	2.74E-03	2.26E-04	7.11E-05	3.15E-03	1.10E-04	5.46E-09	3.01E-06	1.94E-06	1.15E-04
1959	495361.06	3859351.99	2.45E-04	6.60E-09	3.00E-06	1.92E-06	2.49E-04	1.15E-04	2.72E-03	2.25E-04	7.06E-05	3.13E-03	1.10E-04	5.41E-09	3.00E-06	1.92E-06	1.15E-04
1960	495411.06	3859351.99	2.44E-04	6.56E-09	2.99E-06	1.91E-06	2.49E-04	1.15E-04	2.70E-03	2.24E-04	7.02E-05	3.11E-03	1.09E-04	5.39E-09	2.99E-06	1.91E-06	1.14E-04
1961	495461.06	3859351.99	2.44E-04	6.55E-09	2.99E-06	1.90E-06	2.49E-04	1.15E-04	2.70E-03	2.24E-04	6.98E-05	3.11E-03	1.09E-04	5.37E-09	2.99E-06	1.90E-06	1.14E-04
1962	495511.06	3859351.99	2.42E-04	6.43E-09	2.97E-06	1.88E-06	2.46E-04	1.14E-04	2.65E-03	2.23E-04	6.91E-05	3.06E-03	1.08E-04	5.28E-09	2.97E-06	1.88E-06	1.13E-04
1963	495561.06	3859351.99	2.40E-04	6.35E-09	2.95E-06	1.87E-06	2.45E-04	1.13E-04	2.62E-03	2.21E-04	6.85E-05	3.02E-03	1.08E-04	5.21E-09	2.95E-06	1.87E-06	1.12E-04
1964	495611.06	3859351.99	2.38E-04	6.29E-09	2.94E-06	1.85E-06	2.43E-04	1.12E-04	2.59E-03	2.21E-04	6.79E-05	2.99E-03	1.07E-04	5.16E-09	2.94E-06	1.85E-06	1.12E-04
1965	495661.06	3859351.99	2.36E-04	6.18E-09	2.92E-06	1.83E-06	2.41E-04	1.11E-04	2.54E-03	2.19E-04	6.72E-05	2.94E-03	1.06E-04	5.07E-09	2.92E-06	1.83E-06	1.11E-04
1966	494311.06	3859401.99	2.85E-04	9.39E-09	3.07E-06	2.31E-06	2.90E-04	1.34E-04	3.87E-03	2.30E-04	8.45E-05	4.32E-03	1.28E-04	7.71E-09	3.07E-06	2.31E-06	1.33E-04
1967	494361.06	3859401.99	2.83E-04	9.17E-09	3.08E-06	2.29E-06	2.88E-04	1.33E-04	3.78E-03	2.31E-04	8.38E-05	4.22E-03	1.27E-04	7.52E-09	3.08E-06	2.29E-06	1.32E-04
1968	494411.06	3859401.99	2.80E-04	8.94E-09	3.10E-06	2.27E-06	2.85E-04	1.32E-04	3.68E-03	2.32E-04	8.31E-05	4.13E-03	1.26E-04	7.34E-09	3.10E-06	2.27E-06	1.31E-04
1969	494461.06	3859401.99	2.78E-04	8.77E-09	3.10E-06	2.25E-06	2.83E-04	1.31E-04	3.61E-03	2.33E-04	8.24E-05	4.06E-03	1.25E-04	7.20E-09	3.10E-06	2.25E-06	1.30E-04
1970	494511.06	3859401.99	2.77E-04	8.66E-09	3.10E-06	2.23E-06	2.82E-04	1.30E-04	3.57E-03	2.32E-04	8.17E-05	4.01E-03	1.24E-04	7.11E-09	3.10E-06	2.23E-06	1.29E-04
1971	494561.06	3859401.99	2.75E-04	8.52E-09	3.10E-06	2.21E-06	2.80E-04	1.30E-04	3.51E-03	2.32E-04	8.11E-05	3.95E-03	1.23E-04	7.00E-09	3.10E-06	2.21E-06	1.29E-04
1972	494611.06	3859401.99	2.73E-04	8.36E-09	3.10E-06	2.19E-06	2.78E-04	1.29E-04	3.45E-03	2.32E-04	8.03E-05	3.89E-03	1.22E-04	6.86E-09	3.10E-06	2.19E-06	1.28E-04
1973	494661.06	3859401.99	2.71E-04	8.25E-09	3.09E-06	2.17E-06	2.76E-04	1.28E-04	3.40E-03	2.32E-04	7.97E-05	3.84E-03	1.22E-04	6.77E-09	3.09E-06	2.17E-06	1.27E-04
1974	494711.06	3859401.99	2.69E-04	8.11E-09	3.09E-06	2.15E-06	2.74E-04	1.27E-04	3.34E-03	2.31E-04	7.90E-05	3.78E-03	1.21E-04	6.65E-09	3.09E-06	2.15E-06	1.26E-04
1975	494761.06	3859401.99	2.66E-04	7.86E-09	3.09E-06	2.13E-06	2.71E-04	1.25E-04	3.24E-03	2.32E-04	7.82E-05	3.67E-03	1.19E-04	6.45E-09	3.09E-06	2.13E-06	1.24E-04
1976	494811.06	3859401.99	2.62E-04	7.68E-09	3.08E-06	2.10E-06	2.67E-04	1.24E-04	3.16E-03	2.31E-04	7.71E-05	3.60E-03	1.18E-04	6.30E-09	3.08E-06	2.10E-06	1.23E-04
1977	494861.06	3859401.99	2.58E-04	7.46E-09	3.07E-06	2.07E-06	2.63E-04	1.22E-04	3.07E-03	2.30E-04	7.60E-05	3.50E-03	1.16E-04	6.12E-09	3.07E-06	2.07E-06	1.21E-04
1978	494911.06	3859401.99	2.56E-04	7.31E-09	3.06E-06	2.05E-06	2.61E-04	1.21E-04	3.01E-03	2.29E-04	7.53E-05	3.44E-03	1.15E-04	6.00E-09	3.06E-06	2.05E-06	1.20E-04
1979	494961.06	3859401.99	2.54E-04	7.24E-09	3.04E-06	2.03E-06	2.59E-04	1.20E-04	2.98E-03	2.28E-04	7.46E-05	3.41E-03	1.14E-04	5.94E-09	3.04E-06	2.03E-06	1.19E-04
1980	495011.06	3859401.99	2.53E-04	7.18E-09	3.03E-06	2.02E-06	2.58E-04	1.19E-04	2.96E-03	2.27E-04	7.40E-05	3.38E-03	1.13E-04	5.89E-09	3.03E-06	2.02E-06	1.18E-04
1981	495061.06	3859401.99	2.53E-04	7.13E-09	3.02E-06	2.01E-06	2.58E-04	1.19E-04	2.94E-03	2.27E-04	7.38E-05	3.36E-03	1.13E-04	5.85E-09	3.02E-06	2.01E-06	1.18E-04
1982	495111.06	3859401.99	2.50E-04	7.01E-09	3.00E-06	1.99E-06	2.55E-04	1.18E-04	2.89E-03	2.25E-04	7.30E-05	3.31E-03	1.12E-04	5.75E-09	3.00E-06	1.99E-06	1.17E-04
1983	495161.06	3859401.99	2.49E-04	6.98E-09	2.99E-06	1.97E-06	2.54E-04	1.18E-04	2.88E-03	2.24E-04	7.24E-05	3.29E-03	1.12E-04	5.73E-09	2.99E-06	1.97E-06	1.17E-04
1984	495211.06	3859401.99	2.49E-04	6.95E-09	2.98E-06	1.96E-06	2.54E-04	1.17E-04	2.86E-03	2.23E-04	7.20E-05	3.28E-03	1.12E-04	5.71E-09	2.98E-06	1.96E-06	1.17E-04
1985	495261.06	3859401.99	2.48E-04	6.89E-09	2.97E-06	1.95E-06	2.53E-04	1.17E-04	2.84E-03	2.23E-04	7.15E-05	3.25E-03	1.11E-04	5.66E-09	2.97E-06	1.95E-06	1.16E-04
1986	495311.06	3859401.99	2.47E-04	6.82E-09	2.96E-06	1.93E-06	2.51E-04	1.16E-04	2.81E-03	2.22E-04	7.09E-05	3.22E-03	1.11E-04	5.60E-09	2.96E-06	1.93E-06	1.15E-04
1987	495361.06	3859401.99	2.46E-04	6.81E-09	2.95E-06	1.93E-06	2.51E-04	1.16E-04	2.81E-03	2.21E-04	7.06E-05	3.21E-03	1.11E-04	5.59E-09	2.95E-06	1.93E-06	1.15E-04
1988	495411.06	3859401.99	2.46E-04	6.76E-09	2.94E-06	1.91E-06	2.51E-04	1.16E-04	2.79E-03	2.20E-04	7.01E-05	3.19E-03	1.10E-04	5.55E-09	2.94E-06	1.91E-06	1.15E-04
1989	495461.06	3859401.99	2.44E-04	6.68E-09	2.93E-06	1.90E-06	2.49E-04	1.15E-04	2.75E-03	2.20E-04	6.96E-05	3.16E-03	1.09E-04	5.48E-09	2.93E-06	1.90E-06	1.14E-04
1990	495511.06	3859401.99	2.42E-04	6.57E-09	2.91E-06	1.88E-06	2.47E-04	1.14E-04	2.71E-03	2.18E-04	6.88E-05	3.11E-03	1.08E-04	5.39E-09	2.91E-06	1.88E-06	1.13E-04
1991	495561.06	3859401.99	2.39E-04	6.45E-09	2.89E-06	1.86E-06	2.44E-04	1.13E-04	2.66E-03	2.17E-04	6.80E-05	3.05E-03	1.07E-04	5.29E-09	2.89E-06	1.86E-06	1.12E-04
1992	495611.06	3859401.99	2.38E-04	6.37E-09	2.88E-06	1.84E-06	2.42E-04	1.12E-04	2.63E-03	2.16E-04	6.75E-05	3.02E-03	1.07E-04	5.23E-09	2.88E-06	1.84E-06	1.11E-04
1993	495661.06	3859401.99	2.36E-04	6.31E-09	2.87E-06	1.83E-06	2.41E-04	1.11E-04	2.60E-03	2.15E-04	6.70E-05	2.99E-03	1.06E-04	5.18E-09	2.87E-06	1.83E-06	1.11E-04
1994	494311.06	3859451.99	2.81E-04	9.51E-09	2.96E-06	2.27E-06	2.86E-04	1.33E-04	3.92E-03	2.22E-04	8.31E-05	4.35E-03	1.26E-04	7.80E-09	2.96E-06	2.27E-06	1.31E-04
1995	494361.06	3859451.99	2.79E-04	9.31E-09	2.97E-06	2.25E-06	2.84E-04	1.32E-04	3.83E-03	2.23E-04	8.25E-05	4.27E-03	1.25E-04	7.64E-09	2.97E-06	2.25E-06	1.30E-04
1996	494411.06	3859451.99	2.76E-04	9.02E-09	3.01E-06	2.23E-06	2.82E-04	1.30E-04	3.72E-03	2.25E-04	8.18E-05	4.16E-03	1.24E-04	7.41E-09	3.01E-06	2.23E-06	1.29E-04
1997	494461.06	3859451.99	2.75E-04	8.93E-09	3.00E-06	2.21E-06	2.80E-04	1.30E-04	3.68E-03	2.25E-04	8.12E-05	4.11E-03	1.23E-04	7.33E-09	3.00E-06	2.21E-06	1.29E-04
1998	494511.06	3859451.99	2.73E-04	8.77E-09	3.01E-06	2.20E-06	2.79E-04	1.29E-04	3.61E-03	2.25E-04	8.05E-05	4.05E-03	1.23E-04	7.19E-09	3.01E-06	2.20E-06	1.28E-04
1999	494561.06	3859451.99	2.72E-04	8.63E-09	3.01E-06	2.18E-06	2.77E-04	1.28E-04	3.56E-03	2.25E-04	7.99E-05	3.99E-03	1.22E-04	7.09E-09	3.01E-06	2.18E-06	1.27E-04
2000	494611.06	3859451.99	2.71E-04	8.55E-09	3.00E-06	2.16E-06	2.76E-04	1.28E-04	3.52E-03	2.25E-04	7.93E-05	3.96E-03	1.21E-04	7.02E-09	3.00E-06	2.16E-06	1.27E-04
2001	494661.06	3859451.99	2.69E-04	8.38E-09	3.00E-06	2.15E-06	2.74E-04	1.27E-04	3.45E-03	2.25E-04	7.87E-05	3.88E-03	1.21E-04	6.88E-09	3.00E-06	2.15E-06	1.26E-04
2002	494711.06	3859451.99	2.67E-04	8.22E-09	3.01E-06	2.13E-06	2.72E-04	1.26E-04	3.39E-03	2.25E-04	7.80E-05	3.82E-03	1.20E-04	6.74E-09	3.01E-06	2.13E-06	1.25E-04
2003	494761.06	3859451.99	2.65E-04	8.08E-09	3.00E-06	2.11E-06	2.70E-04	1.25E-04	3.33E-03	2.25E-04	7.73E-05	3.76E-03	1.19E-04	6.63E-09	3.00E-06	2.11E-06	1.24E-04
2004	494811.06	3859451.99	2.62E-04	7.88E-09	3.00E-06	2.09E-06	2.67E-04	1.23E-04	3.25E-03	2.25E-04	7.65E-05	3.67E-03	1.17E-04	6.46E-09	3.00E-06	2.09E-06	1.22E-04
2005	494861.06	3859451.99	2.59E-04	7.71E-09	3.00E-06	2.06E-06	2.64E-04	1.22E-04	3.18E-03	2.25E-04	7.57E-05	3.60E-03	1.16E-04	6.33E-09	3.00E-06	2.06E-06	1.21E-04
2006	494911.06	3859451.99	2.57E-04	7.58E-09	2.99E-06	2.04E-06	2.62E-04	1.21E-04	3.12E-03	2.24E-04	7.50E-05	3.55E-03	1.15E-04	6.22E-09	2.99E-06	2.04E-06	1.20E-04
2007	494961.06	3859451.99	2.56E-04	7.51E-09	2.98E-06	2.03E-06	2.61E-04	1.21E-04	3.09E-03	2.23E-04	7.44E-05	3.51E-03	1.15E-04	6.16E-09	2.98E-06	2.03E-06	1.20E-04
2008	495011.06	3859451.99	2.54E-04	7.41E-09	2.97E-06	2.01E-06	2.59E-04	1.20E-04	3.05E-03	2.23E-04	7.38E-05	3.47E-03	1.14E-04	6.08E-09	2.97E-06	2.01E-06	1.19E-04
2009	495061.06	3859451.99	2.53E-04	7.32E-09	2.96E-06	2.00E-06	2.58E-04	1.19E-04	3.02E-03	2.22E-04	7.32E-05	3.43E-03	1.13E-04	6.01E-09	2.96E-06	2.00E-06	1.18E-04

2010	495111.06	3859451.99	2.51E-04	7.22E-09	2.95E-06	1.98E-06	2.56E-04	1.18E-04	2.98E-03	2.21E-04	7.26E-05	3.39E-03	1.13E-04	5.93E-09	2.95E-06	1.98E-06	1.17E-04
2011	495161.06	3859451.99	2.50E-04	7.18E-09	2.93E-06	1.97E-06	2.55E-04	1.18E-04	2.96E-03	2.20E-04	7.21E-05	3.37E-03	1.12E-04	5.89E-09	2.93E-06	1.97E-06	1.17E-04
2012	495211.06	3859451.99	2.50E-04	7.14E-09	2.92E-06	1.95E-06	2.54E-04	1.18E-04	2.94E-03	2.19E-04	7.17E-05	3.35E-03	1.12E-04	5.86E-09	2.92E-06	1.95E-06	1.17E-04
2013	495261.06	3859451.99	2.49E-04	7.10E-09	2.91E-06	1.94E-06	2.54E-04	1.17E-04	2.93E-03	2.18E-04	7.12E-05	3.33E-03	1.12E-04	5.83E-09	2.91E-06	1.94E-06	1.17E-04
2014	495311.06	3859451.99	2.48E-04	7.03E-09	2.90E-06	1.93E-06	2.52E-04	1.17E-04	2.89E-03	2.18E-04	7.07E-05	3.30E-03	1.11E-04	5.77E-09	2.90E-06	1.93E-06	1.16E-04
2015	495361.06	3859451.99	2.47E-04	6.97E-09	2.89E-06	1.92E-06	2.51E-04	1.16E-04	2.87E-03	2.17E-04	7.02E-05	3.27E-03	1.11E-04	5.72E-09	2.89E-06	1.92E-06	1.15E-04
2016	495411.06	3859451.99	2.45E-04	6.89E-09	2.88E-06	1.90E-06	2.50E-04	1.16E-04	2.84E-03	2.16E-04	6.97E-05	3.24E-03	1.10E-04	5.66E-09	2.88E-06	1.90E-06	1.15E-04
2017	495461.06	3859451.99	2.44E-04	6.83E-09	2.87E-06	1.89E-06	2.49E-04	1.15E-04	2.81E-03	2.15E-04	6.92E-05	3.21E-03	1.10E-04	5.61E-09	2.87E-06	1.89E-06	1.14E-04
2018	495511.06	3859451.99	2.42E-04	6.70E-09	2.86E-06	1.87E-06	2.46E-04	1.14E-04	2.76E-03	2.14E-04	6.85E-05	3.16E-03	1.08E-04	5.50E-09	2.86E-06	1.87E-06	1.13E-04
2019	495561.06	3859451.99	2.40E-04	6.62E-09	2.84E-06	1.85E-06	2.45E-04	1.13E-04	2.73E-03	2.13E-04	6.79E-05	3.12E-03	1.08E-04	5.43E-09	2.84E-06	1.85E-06	1.12E-04
2020	495611.06	3859451.99	2.38E-04	6.54E-09	2.83E-06	1.84E-06	2.43E-04	1.12E-04	2.69E-03	2.12E-04	6.73E-05	3.08E-03	1.07E-04	5.36E-09	2.83E-06	1.84E-06	1.12E-04
2021	495661.06	3859451.99	2.37E-04	6.46E-09	2.82E-06	1.82E-06	2.42E-04	1.12E-04	2.66E-03	2.11E-04	6.67E-05	3.05E-03	1.06E-04	5.30E-09	2.82E-06	1.82E-06	1.11E-04
2022	494311.06	3859501.99	2.77E-04	9.66E-09	2.84E-06	2.23E-06	2.83E-04	1.31E-04	3.98E-03	2.13E-04	8.16E-05	4.41E-03	1.24E-04	7.93E-09	2.84E-06	2.23E-06	1.30E-04
2023	494361.06	3859501.99	2.76E-04	9.46E-09	2.86E-06	2.21E-06	2.81E-04	1.30E-04	3.90E-03	2.15E-04	8.11E-05	4.32E-03	1.24E-04	7.76E-09	2.86E-06	2.21E-06	1.29E-04
2024	494411.06	3859501.99	2.73E-04	9.11E-09	2.91E-06	2.19E-06	2.78E-04	1.29E-04	3.75E-03	2.18E-04	8.04E-05	4.18E-03	1.22E-04	7.48E-09	2.91E-06	2.19E-06	1.27E-04
2025	494461.06	3859501.99	2.72E-04	9.10E-09	2.89E-06	2.18E-06	2.77E-04	1.28E-04	3.75E-03	2.17E-04	7.99E-05	4.17E-03	1.22E-04	7.47E-09	2.89E-06	2.18E-06	1.27E-04
2026	494511.06	3859501.99	2.70E-04	8.91E-09	2.90E-06	2.16E-06	2.76E-04	1.28E-04	3.67E-03	2.18E-04	7.93E-05	4.10E-03	1.21E-04	7.31E-09	2.90E-06	2.16E-06	1.26E-04
2027	494561.06	3859501.99	2.69E-04	8.76E-09	2.91E-06	2.15E-06	2.74E-04	1.27E-04	3.61E-03	2.18E-04	7.87E-05	4.03E-03	1.21E-04	7.18E-09	2.91E-06	2.15E-06	1.26E-04
2028	494611.06	3859501.99	2.69E-04	8.75E-09	2.89E-06	2.13E-06	2.74E-04	1.27E-04	3.61E-03	2.17E-04	7.82E-05	4.03E-03	1.20E-04	7.18E-09	2.89E-06	2.13E-06	1.26E-04
2029	494661.06	3859501.99	2.66E-04	8.55E-09	2.90E-06	2.11E-06	2.71E-04	1.26E-04	3.52E-03	2.18E-04	7.75E-05	3.94E-03	1.20E-04	7.02E-09	2.90E-06	2.11E-06	1.25E-04
2030	494711.06	3859501.99	2.64E-04	8.32E-09	2.92E-06	2.10E-06	2.69E-04	1.24E-04	3.43E-03	2.19E-04	7.69E-05	3.85E-03	1.18E-04	6.83E-09	2.92E-06	2.10E-06	1.23E-04
2031	494761.06	3859501.99	2.63E-04	8.27E-09	2.91E-06	2.08E-06	2.68E-04	1.24E-04	3.41E-03	2.18E-04	7.63E-05	3.83E-03	1.18E-04	6.79E-09	2.91E-06	2.08E-06	1.23E-04
2032	494811.06	3859501.99	2.60E-04	7.99E-09	2.93E-06	2.06E-06	2.65E-04	1.22E-04	3.29E-03	2.20E-04	7.55E-05	3.71E-03	1.16E-04	6.56E-09	2.93E-06	2.06E-06	1.21E-04
2033	494861.06	3859501.99	2.58E-04	7.88E-09	2.92E-06	2.04E-06	2.63E-04	1.22E-04	3.25E-03	2.19E-04	7.49E-05	3.66E-03	1.16E-04	6.47E-09	2.92E-06	2.04E-06	1.21E-04
2034	494911.06	3859501.99	2.57E-04	7.80E-09	2.91E-06	2.03E-06	2.62E-04	1.21E-04	3.21E-03	2.19E-04	7.43E-05	3.63E-03	1.15E-04	6.40E-09	2.91E-06	2.03E-06	1.20E-04
2035	494961.06	3859501.99	2.55E-04	7.66E-09	2.91E-06	2.01E-06	2.60E-04	1.20E-04	3.16E-03	2.18E-04	7.37E-05	3.57E-03	1.14E-04	6.29E-09	2.91E-06	2.01E-06	1.19E-04
2036	495011.06	3859501.99	2.54E-04	7.59E-09	2.90E-06	2.00E-06	2.59E-04	1.20E-04	3.13E-03	2.18E-04	7.32E-05	3.54E-03	1.14E-04	6.23E-09	2.90E-06	2.00E-06	1.19E-04
2037	495061.06	3859501.99	2.53E-04	7.53E-09	2.89E-06	1.98E-06	2.58E-04	1.19E-04	3.10E-03	2.17E-04	7.27E-05	3.51E-03	1.13E-04	6.18E-09	2.89E-06	1.98E-06	1.18E-04
2038	495111.06	3859501.99	2.51E-04	7.40E-09	2.88E-06	1.96E-06	2.56E-04	1.18E-04	3.05E-03	2.16E-04	7.20E-05	3.45E-03	1.12E-04	6.07E-09	2.88E-06	1.96E-06	1.17E-04
2039	495161.06	3859501.99	2.50E-04	7.34E-09	2.87E-06	1.95E-06	2.55E-04	1.18E-04	3.02E-03	2.15E-04	7.15E-05	3.43E-03	1.12E-04	6.02E-09	2.87E-06	1.95E-06	1.17E-04
2040	495211.06	3859501.99	2.49E-04	7.31E-09	2.86E-06	1.94E-06	2.54E-04	1.18E-04	3.01E-03	2.14E-04	7.11E-05	3.41E-03	1.12E-04	6.00E-09	2.86E-06	1.94E-06	1.17E-04
2041	495261.06	3859501.99	2.48E-04	7.25E-09	2.85E-06	1.93E-06	2.53E-04	1.17E-04	2.99E-03	2.14E-04	7.06E-05	3.39E-03	1.11E-04	5.95E-09	2.85E-06	1.93E-06	1.16E-04
2042	495311.06	3859501.99	2.48E-04	7.20E-09	2.84E-06	1.91E-06	2.52E-04	1.17E-04	2.97E-03	2.13E-04	7.02E-05	3.37E-03	1.11E-04	5.91E-09	2.84E-06	1.91E-06	1.16E-04
2043	495361.06	3859501.99	2.46E-04	7.13E-09	2.83E-06	1.90E-06	2.51E-04	1.16E-04	2.94E-03	2.12E-04	6.97E-05	3.34E-03	1.11E-04	5.85E-09	2.83E-06	1.90E-06	1.15E-04
2044	495411.06	3859501.99	2.45E-04	7.07E-09	2.82E-06	1.89E-06	2.50E-04	1.16E-04	2.91E-03	2.11E-04	6.92E-05	3.31E-03	1.10E-04	5.80E-09	2.82E-06	1.89E-06	1.15E-04
2045	495461.06	3859501.99	2.44E-04	6.99E-09	2.81E-06	1.87E-06	2.49E-04	1.15E-04	2.88E-03	2.11E-04	6.87E-05	3.27E-03	1.09E-04	5.73E-09	2.81E-06	1.87E-06	1.14E-04
2046	495511.06	3859501.99	2.41E-04	6.82E-09	2.80E-06	1.86E-06	2.46E-04	1.14E-04	2.81E-03	2.10E-04	6.81E-05	3.20E-03	1.08E-04	5.60E-09	2.80E-06	1.86E-06	1.13E-04
2047	495561.06	3859501.99	2.40E-04	6.79E-09	2.79E-06	1.84E-06	2.45E-04	1.13E-04	2.80E-03	2.09E-04	6.75E-05	3.19E-03	1.08E-04	5.57E-09	2.79E-06	1.84E-06	1.12E-04
2048	495611.06	3859501.99	2.39E-04	6.70E-09	2.78E-06	1.83E-06	2.43E-04	1.13E-04	2.76E-03	2.08E-04	6.70E-05	3.15E-03	1.07E-04	5.50E-09	2.78E-06	1.83E-06	1.12E-04
2049	495661.06	3859501.99	2.37E-04	6.60E-09	2.77E-06	1.81E-06	2.42E-04	1.12E-04	2.72E-03	2.08E-04	6.64E-05	3.10E-03	1.06E-04	5.41E-09	2.77E-06	1.81E-06	1.11E-04
2050	494311.06	3859551.99	2.74E-04	9.79E-09	2.72E-06	2.18E-06	2.79E-04	1.29E-04	4.03E-03	2.04E-04	8.01E-05	4.45E-03	1.23E-04	8.04E-09	2.72E-06	2.18E-06	1.28E-04
2051	494361.06	3859551.99	2.72E-04	9.55E-09	2.75E-06	2.17E-06	2.77E-04	1.28E-04	3.93E-03	2.06E-04	7.96E-05	4.35E-03	1.22E-04	7.83E-09	2.75E-06	2.17E-06	1.27E-04
2052	494411.06	3859551.99	2.69E-04	9.19E-09	2.80E-06	2.16E-06	2.74E-04	1.27E-04	3.79E-03	2.10E-04	7.90E-05	4.20E-03	1.21E-04	7.54E-09	2.80E-06	2.16E-06	1.26E-04
2053	494461.06	3859551.99	2.69E-04	9.23E-09	2.78E-06	2.14E-06	2.74E-04	1.27E-04	3.80E-03	2.08E-04	7.85E-05	4.22E-03	1.21E-04	7.57E-09	2.78E-06	2.14E-06	1.26E-04
2054	494511.06	3859551.99	2.67E-04	9.05E-09	2.80E-06	2.12E-06	2.72E-04	1.26E-04	3.73E-03	2.10E-04	7.79E-05	4.14E-03	1.20E-04	7.42E-09	2.80E-06	2.12E-06	1.25E-04
2055	494561.06	3859551.99	2.66E-04	8.91E-09	2.80E-06	2.11E-06	2.71E-04	1.25E-04	3.67E-03	2.10E-04	7.74E-05	4.08E-03	1.19E-04	7.31E-09	2.80E-06	2.11E-06	1.24E-04
2056	494611.06	3859551.99	2.65E-04	8.83E-09	2.80E-06	2.10E-06	2.70E-04	1.25E-04	3.64E-03	2.10E-04	7.68E-05	4.05E-03	1.19E-04	7.25E-09	2.80E-06	2.10E-06	1.24E-04
2057	494661.06	3859551.99	2.64E-04	8.72E-09	2.80E-06	2.08E-06	2.69E-04	1.24E-04	3.59E-03	2.10E-04	7.63E-05	4.00E-03	1.18E-04	7.15E-09	2.80E-06	2.08E-06	1.23E-04
2058	494711.06	3859551.99	2.60E-04	8.37E-09	2.84E-06	2.06E-06	2.65E-04	1.23E-04	3.45E-03	2.13E-04	7.56E-05	3.86E-03	1.17E-04	6.87E-09	2.84E-06	2.06E-06	1.22E-04
2059	494761.06	3859551.99	2.61E-04	8.42E-09	2.82E-06	2.05E-06	2.66E-04	1.23E-04	3.47E-03	2.11E-04	7.51E-05	3.88E-03	1.17E-04	6.91E-09	2.82E-06	2.05E-06	1.22E-04
2060	494811.06	3859551.99	2.58E-04	8.18E-09	2.84E-06	2.03E-06	2.63E-04	1.22E-04	3.37E-03	2.13E-04	7.45E-05	3.78E-03	1.16E-04	6.71E-09	2.84E-06	2.03E-06	1.21E-04
2061	494861.06	3859551.99	2.57E-04	8.07E-09	2.84E-06	2.02E-06	2.62E-04	1.21E-04	3.32E-03	2.13E-04	7.39E-05	3.73E-03	1.15E-04	6.62E-09	2.84E-06	2.02E-06	1.20E-04
2062	494911.06	3859551.99	2.55E-04	7.93E-09	2.84E-06	2.00E-06	2.60E-04	1.20E-04	3.27E-03	2.13E-04	7.33E-05	3.67E-03	1.14E-04	6.51E-09	2.84E-06	2.00E-06	1.19E-04
2063	494961.06	3859551.99	2.54E-04	7.86E-09	2.83E-06	1.99E-06	2.59E-04	1.20E-04	3.24E-03	2.12E-04	7.28E-05	3.64E-03	1.14E-04	6.45E-09	2.83E-06	1.99E-06	1.19E-04
2064	495011.06	3859551.99	2.53E-04	7.81E-09	2.82E-06	1.97E-06	2.58E-04	1.19E-04	3.22E-03	2.11E-04	7.24E-05	3.62E-03	1.14E-04	6.41E-09	2.82E-06	1.97E-06	1.18E-04
2065	495061.06	3859551.99	2.52E-04	7.71E-09	2.81E-06	1.96E-06	2.57E-04	1.19E-04	3.18E-03	2.11E-04	7.18E-05	3.58E-03	1.13E-04	6.33E-09	2.81E-06	1.96E-06	1.18E-04
2066	495111.06	3859551.99	2.50E-04	7.59E-09	2.81E-06	1.94E-06	2.55E-04	1.18E-04	3.13E-03	2.11E-04	7.13E-05	3.53E-03	1.12E-04	6.23E-09	2.81E-06	1.94E-06	1.17E-04
2067	495161.06	3859551.99	2.50E-04	7.54E-09	2.80E-06	1.93E-06	2.54E-04	1.18E-04	3.11E-03	2.10E-04	7.08E-05	3.50E-03	1.12E-04	6.19E-09	2.80E-06	1.93E-06	1.17E-04
2068	495211.06	3859551.99	2.49E-04	7.51E-09	2.79E-06	1.92E-06	2.54E-04	1.17E-04	3.09E-03	2.09E-04	7.04E-05	3.49E-03	1.12E-04	6.16E-09	2.79E-06	1.92E-06	1.16E-04
2069	495261.06	3859551.99	2.48E-04	7.41E-09	2.78E-06	1.91E-06	2.52E-04	1.17E-04	3.05E-03	2.09E-04	6.99E-05	3.45E-03	1.11E-04	6.08E-09	2.78E-06	1.91E-06	1.16E-04
2070	495311.06	3859551.99	2.46E-04	7.33E-09	2.77E-06	1.89E-06	2.51E-04	1.16E-04	3.02E-03	2.08E-04	6.94E-05	3.41E-03	1.11E-04	6.02E-09	2.77E-06	1.89E-06	1.15E-04

2071	495361.06	3859551.99	2.46E-04	7.27E-09	2.76E-06	1.88E-06	2.50E-04	1.16E-04	3.00E-03	2.07E-04	6.89E-05	3.39E-03	1.10E-04	5.97E-09	2.76E-06	1.88E-06	1.15E-04
2072	495411.06	3859551.99	2.45E-04	7.22E-09	2.75E-06	1.87E-06	2.49E-04	1.15E-04	2.98E-03	2.06E-04	6.85E-05	3.37E-03	1.10E-04	5.93E-09	2.75E-06	1.87E-06	1.14E-04
2073	495461.06	3859551.99	2.43E-04	7.10E-09	2.75E-06	1.85E-06	2.48E-04	1.15E-04	2.93E-03	2.06E-04	6.79E-05	3.32E-03	1.09E-04	5.83E-09	2.75E-06	1.85E-06	1.14E-04
2074	495511.06	3859551.99	2.41E-04	6.98E-09	2.74E-06	1.84E-06	2.45E-04	1.14E-04	2.88E-03	2.06E-04	6.73E-05	3.26E-03	1.08E-04	5.73E-09	2.74E-06	1.84E-06	1.13E-04
2075	495561.06	3859551.99	2.40E-04	6.91E-09	2.73E-06	1.82E-06	2.44E-04	1.13E-04	2.85E-03	2.05E-04	6.69E-05	3.23E-03	1.07E-04	5.67E-09	2.73E-06	1.82E-06	1.12E-04
2076	495611.06	3859551.99	2.38E-04	6.83E-09	2.72E-06	1.81E-06	2.43E-04	1.12E-04	2.81E-03	2.04E-04	6.64E-05	3.20E-03	1.07E-04	5.61E-09	2.72E-06	1.81E-06	1.11E-04
2077	495661.06	3859551.99	2.37E-04	6.74E-09	2.71E-06	1.80E-06	2.41E-04	1.12E-04	2.77E-03	2.04E-04	6.58E-05	3.16E-03	1.06E-04	5.53E-09	2.71E-06	1.80E-06	1.11E-04
2078	494311.06	3859601.99	2.70E-04	9.95E-09	2.60E-06	2.14E-06	2.75E-04	1.27E-04	4.10E-03	1.95E-04	7.84E-05	4.50E-03	1.21E-04	8.17E-09	2.60E-06	2.14E-06	1.26E-04
2079	494361.06	3859601.99	2.68E-04	9.56E-09	2.66E-06	2.13E-06	2.72E-04	1.26E-04	3.94E-03	1.99E-04	7.80E-05	4.34E-03	1.20E-04	7.85E-09	2.66E-06	2.13E-06	1.25E-04
2080	494411.06	3859601.99	2.66E-04	9.35E-09	2.69E-06	2.11E-06	2.71E-04	1.25E-04	3.85E-03	2.02E-04	7.75E-05	4.26E-03	1.19E-04	7.67E-09	2.69E-06	2.11E-06	1.24E-04
2081	494461.06	3859601.99	2.66E-04	9.36E-09	2.66E-06	2.10E-06	2.70E-04	1.25E-04	3.86E-03	2.00E-04	7.69E-05	4.26E-03	1.19E-04	7.68E-09	2.66E-06	2.10E-06	1.24E-04
2082	494511.06	3859601.99	2.64E-04	9.11E-09	2.70E-06	2.08E-06	2.68E-04	1.24E-04	3.75E-03	2.02E-04	7.64E-05	4.16E-03	1.18E-04	7.48E-09	2.70E-06	2.08E-06	1.23E-04
2083	494561.06	3859601.99	2.63E-04	9.09E-09	2.68E-06	2.07E-06	2.68E-04	1.24E-04	3.75E-03	2.01E-04	7.59E-05	4.15E-03	1.18E-04	7.46E-09	2.68E-06	2.07E-06	1.23E-04
2084	494611.06	3859601.99	2.62E-04	9.02E-09	2.68E-06	2.06E-06	2.67E-04	1.24E-04	3.72E-03	2.01E-04	7.54E-05	4.12E-03	1.18E-04	7.40E-09	2.68E-06	2.06E-06	1.22E-04
2085	494661.06	3859601.99	2.60E-04	8.75E-09	2.71E-06	2.04E-06	2.65E-04	1.23E-04	3.60E-03	2.03E-04	7.49E-05	4.01E-03	1.17E-04	7.18E-09	2.71E-06	2.04E-06	1.21E-04
2086	494711.06	3859601.99	2.58E-04	8.52E-09	2.74E-06	2.03E-06	2.63E-04	1.22E-04	3.51E-03	2.06E-04	7.43E-05	3.91E-03	1.16E-04	6.99E-09	2.74E-06	2.03E-06	1.20E-04
2087	494761.06	3859601.99	2.59E-04	8.63E-09	2.70E-06	2.01E-06	2.63E-04	1.22E-04	3.56E-03	2.03E-04	7.39E-05	3.95E-03	1.16E-04	7.08E-09	2.70E-06	2.01E-06	1.21E-04
2088	494811.06	3859601.99	2.56E-04	8.37E-09	2.73E-06	2.00E-06	2.61E-04	1.21E-04	3.45E-03	2.05E-04	7.33E-05	3.85E-03	1.15E-04	6.87E-09	2.73E-06	2.00E-06	1.20E-04
2089	494861.06	3859601.99	2.55E-04	8.27E-09	2.73E-06	1.99E-06	2.60E-04	1.20E-04	3.41E-03	2.05E-04	7.28E-05	3.81E-03	1.14E-04	6.79E-09	2.73E-06	1.99E-06	1.19E-04
2090	494911.06	3859601.99	2.53E-04	8.09E-09	2.75E-06	1.97E-06	2.58E-04	1.19E-04	3.33E-03	2.06E-04	7.22E-05	3.73E-03	1.14E-04	6.64E-09	2.75E-06	1.97E-06	1.18E-04
2091	494961.06	3859601.99	2.53E-04	8.10E-09	2.72E-06	1.96E-06	2.58E-04	1.19E-04	3.34E-03	2.04E-04	7.18E-05	3.73E-03	1.14E-04	6.65E-09	2.72E-06	1.96E-06	1.18E-04
2092	495011.06	3859601.99	2.51E-04	7.91E-09	2.74E-06	1.94E-06	2.56E-04	1.18E-04	3.26E-03	2.05E-04	7.13E-05	3.65E-03	1.13E-04	6.49E-09	2.74E-06	1.94E-06	1.17E-04
2093	495061.06	3859601.99	2.51E-04	7.89E-09	2.72E-06	1.93E-06	2.55E-04	1.18E-04	3.25E-03	2.04E-04	7.09E-05	3.64E-03	1.12E-04	6.47E-09	2.72E-06	1.93E-06	1.17E-04
2094	495111.06	3859601.99	2.49E-04	7.75E-09	2.73E-06	1.92E-06	2.54E-04	1.17E-04	3.19E-03	2.05E-04	7.03E-05	3.59E-03	1.12E-04	6.36E-09	2.73E-06	1.92E-06	1.16E-04
2095	495161.06	3859601.99	2.48E-04	7.71E-09	2.72E-06	1.91E-06	2.53E-04	1.17E-04	3.17E-03	2.04E-04	6.99E-05	3.57E-03	1.11E-04	6.32E-09	2.72E-06	1.91E-06	1.16E-04
2096	495211.06	3859601.99	2.47E-04	7.63E-09	2.71E-06	1.89E-06	2.52E-04	1.17E-04	3.14E-03	2.03E-04	6.94E-05	3.53E-03	1.11E-04	6.26E-09	2.71E-06	1.89E-06	1.16E-04
2097	495261.06	3859601.99	2.46E-04	7.57E-09	2.70E-06	1.88E-06	2.51E-04	1.16E-04	3.12E-03	2.03E-04	6.90E-05	3.51E-03	1.11E-04	6.21E-09	2.70E-06	1.88E-06	1.15E-04
2098	495311.06	3859601.99	2.46E-04	7.52E-09	2.69E-06	1.87E-06	2.50E-04	1.16E-04	3.10E-03	2.02E-04	6.85E-05	3.48E-03	1.10E-04	6.17E-09	2.69E-06	1.87E-06	1.15E-04
2099	495361.06	3859601.99	2.45E-04	7.44E-09	2.69E-06	1.86E-06	2.49E-04	1.15E-04	3.06E-03	2.02E-04	6.81E-05	3.45E-03	1.10E-04	6.10E-09	2.69E-06	1.86E-06	1.14E-04
2100	495411.06	3859601.99	2.44E-04	7.38E-09	2.68E-06	1.85E-06	2.48E-04	1.15E-04	3.04E-03	2.01E-04	6.77E-05	3.43E-03	1.09E-04	6.06E-09	2.68E-06	1.85E-06	1.14E-04
2101	495461.06	3859601.99	2.42E-04	7.23E-09	2.68E-06	1.83E-06	2.46E-04	1.14E-04	2.98E-03	2.01E-04	6.71E-05	3.36E-03	1.08E-04	5.94E-09	2.68E-06	1.83E-06	1.13E-04
2102	495511.06	3859601.99	2.40E-04	7.10E-09	2.68E-06	1.82E-06	2.44E-04	1.13E-04	2.93E-03	2.01E-04	6.66E-05	3.31E-03	1.08E-04	5.83E-09	2.68E-06	1.82E-06	1.12E-04
2103	495561.06	3859601.99	2.39E-04	7.07E-09	2.67E-06	1.81E-06	2.44E-04	1.13E-04	2.91E-03	2.00E-04	6.62E-05	3.29E-03	1.07E-04	5.80E-09	2.67E-06	1.81E-06	1.12E-04
2104	495611.06	3859601.99	2.37E-04	6.93E-09	2.67E-06	1.79E-06	2.42E-04	1.12E-04	2.85E-03	2.00E-04	6.56E-05	3.23E-03	1.06E-04	5.68E-09	2.67E-06	1.79E-06	1.11E-04
2105	495661.06	3859601.99	2.36E-04	6.87E-09	2.66E-06	1.78E-06	2.41E-04	1.11E-04	2.83E-03	1.99E-04	6.52E-05	3.21E-03	1.06E-04	5.64E-09	2.66E-06	1.78E-06	1.10E-04
2106	494311.06	3859651.99	2.66E-04	9.99E-09	2.49E-06	2.09E-06	2.71E-04	1.26E-04	4.12E-03	1.87E-04	7.68E-05	4.51E-03	1.19E-04	8.20E-09	2.49E-06	2.09E-06	1.24E-04
2107	494361.06	3859651.99	2.64E-04	9.64E-09	2.55E-06	2.08E-06	2.68E-04	1.24E-04	3.97E-03	1.91E-04	7.64E-05	4.36E-03	1.18E-04	7.91E-09	2.55E-06	2.08E-06	1.23E-04
2108	494411.06	3859651.99	2.63E-04	9.50E-09	2.56E-06	2.07E-06	2.67E-04	1.24E-04	3.91E-03	1.92E-04	7.59E-05	4.31E-03	1.18E-04	7.80E-09	2.56E-06	2.07E-06	1.22E-04
2109	494461.06	3859651.99	2.62E-04	9.50E-09	2.54E-06	2.05E-06	2.67E-04	1.24E-04	3.92E-03	1.91E-04	7.53E-05	4.31E-03	1.18E-04	7.80E-09	2.54E-06	2.05E-06	1.22E-04
2110	494511.06	3859651.99	2.61E-04	9.35E-09	2.56E-06	2.04E-06	2.66E-04	1.23E-04	3.85E-03	1.92E-04	7.49E-05	4.24E-03	1.17E-04	7.68E-09	2.56E-06	2.04E-06	1.22E-04
2111	494561.06	3859651.99	2.60E-04	9.26E-09	2.56E-06	2.03E-06	2.65E-04	1.23E-04	3.82E-03	1.92E-04	7.44E-05	4.20E-03	1.17E-04	7.60E-09	2.56E-06	2.03E-06	1.21E-04
2112	494611.06	3859651.99	2.59E-04	9.16E-09	2.56E-06	2.01E-06	2.64E-04	1.22E-04	3.77E-03	1.92E-04	7.39E-05	4.16E-03	1.16E-04	7.52E-09	2.56E-06	2.01E-06	1.21E-04
2113	494661.06	3859651.99	2.57E-04	8.86E-09	2.61E-06	2.00E-06	2.62E-04	1.21E-04	3.65E-03	1.96E-04	7.34E-05	4.04E-03	1.15E-04	7.27E-09	2.61E-06	2.00E-06	1.20E-04
2114	494711.06	3859651.99	2.56E-04	8.77E-09	2.61E-06	1.99E-06	2.61E-04	1.21E-04	3.61E-03	1.96E-04	7.30E-05	4.00E-03	1.15E-04	7.20E-09	2.61E-06	1.99E-06	1.19E-04
2115	494761.06	3859651.99	2.55E-04	8.71E-09	2.60E-06	1.98E-06	2.60E-04	1.20E-04	3.59E-03	1.95E-04	7.25E-05	3.98E-03	1.15E-04	7.15E-09	2.60E-06	1.98E-06	1.19E-04
2116	494811.06	3859651.99	2.54E-04	8.54E-09	2.62E-06	1.96E-06	2.58E-04	1.20E-04	3.52E-03	1.97E-04	7.20E-05	3.91E-03	1.14E-04	7.01E-09	2.62E-06	1.96E-06	1.18E-04
2117	494861.06	3859651.99	2.53E-04	8.46E-09	2.62E-06	1.95E-06	2.58E-04	1.19E-04	3.49E-03	1.97E-04	7.15E-05	3.87E-03	1.13E-04	6.94E-09	2.62E-06	1.95E-06	1.18E-04
2118	494911.06	3859651.99	2.52E-04	8.34E-09	2.63E-06	1.94E-06	2.56E-04	1.19E-04	3.44E-03	1.97E-04	7.10E-05	3.82E-03	1.13E-04	6.84E-09	2.63E-06	1.94E-06	1.17E-04
2119	494961.06	3859651.99	2.51E-04	8.25E-09	2.63E-06	1.93E-06	2.55E-04	1.18E-04	3.40E-03	1.97E-04	7.06E-05	3.79E-03	1.12E-04	6.77E-09	2.63E-06	1.93E-06	1.17E-04
2120	495011.06	3859651.99	2.50E-04	8.14E-09	2.63E-06	1.91E-06	2.54E-04	1.18E-04	3.35E-03	1.97E-04	7.01E-05	3.74E-03	1.12E-04	6.68E-09	2.63E-06	1.91E-06	1.17E-04
2121	495061.06	3859651.99	2.49E-04	8.08E-09	2.62E-06	1.90E-06	2.53E-04	1.17E-04	3.33E-03	1.97E-04	6.97E-05	3.71E-03	1.12E-04	6.63E-09	2.62E-06	1.90E-06	1.16E-04
2122	495111.06	3859651.99	2.48E-04	7.96E-09	2.63E-06	1.89E-06	2.52E-04	1.17E-04	3.28E-03	1.97E-04	6.92E-05	3.66E-03	1.11E-04	6.53E-09	2.63E-06	1.89E-06	1.16E-04
2123	495161.06	3859651.99	2.47E-04	7.88E-09	2.62E-06	1.88E-06	2.51E-04	1.16E-04	3.24E-03	1.97E-04	6.88E-05	3.63E-03	1.11E-04	6.46E-09	2.62E-06	1.88E-06	1.15E-04
2124	495211.06	3859651.99	2.46E-04	7.82E-09	2.62E-06	1.86E-06	2.50E-04	1.16E-04	3.22E-03	1.96E-04	6.84E-05	3.60E-03	1.10E-04	6.41E-09	2.62E-06	1.86E-06	1.15E-04
2125	495261.06	3859651.99	2.45E-04	7.73E-09	2.62E-06	1.85E-06	2.49E-04	1.15E-04	3.18E-03	1.96E-04	6.79E-05	3.56E-03	1.10E-04	6.34E-09	2.62E-06	1.85E-06	1.14E-04
2126	495311.06	3859651.99	2.44E-04	7.66E-09	2.61E-06	1.84E-06	2.48E-04	1.15E-04	3.16E-03	1.96E-04	6.75E-05	3.53E-03	1.09E-04	6.29E-09	2.61E-06	1.84E-06	1.14E-04
2127	495361.06	3859651.99	2.43E-04	7.60E-09	2.60E-06	1.83E-06	2.48E-04	1.15E-04	3.13E-03	1.95E-04	6.71E-05	3.51E-03	1.09E-04	6.23E-09	2.60E-06	1.83E-06	1.13E-04
2128	495411.06	3859651.99	2.42E-04	7.52E-09	2.60E-06	1.82E-06	2.46E-04	1.14E-04	3.10E-03	1.95E-04	6.67E-05	3.47E-03	1.09E-04	6.17E-09	2.60E-06	1.82E-06	1.13E-04
2129	495461.06	3859651.99	2.40E-04	7.37E-09	2.61E-06	1.80E-06	2.45E-04	1.13E-04	3.04E-03	1.96E-04	6.62E-05	3.41E-03	1.08E-04	6.05E-09	2.61E-06	1.80E-06	1.12E-04
2130	495511.06	3859651.99	2.39E-04	7.25E-09	2.61E-06	1.79E-06	2.43E-04	1.13E-04	2.99E-03	1.96E-04	6.57E-05	3.36E-03	1.07E-04	5.95E-09	2.61E-06	1.79E-06	1.11E-04
2131	495561.06	3859651.99	2.38E-04	7.19E-09	2.60E-06	1.78E-06	2.42E-04	1.12E-04	2.96E-03	1.95E-04	6.53E-05	3.33E-03	1.07E-04	5.90E-09	2.60E-06	1.78E-06	1.11E-04

2132	495611.06	3859651.99	2.36E-04	7.10E-09	2.60E-06	1.77E-06	2.41E-04	1.12E-04	2.92E-03	1.95E-04	6.49E-05	3.30E-03	1.06E-04	5.82E-09	2.60E-06	1.77E-06	1.10E-04
2133	495661.06	3859651.99	2.35E-04	7.00E-09	2.60E-06	1.76E-06	2.39E-04	1.11E-04	2.88E-03	1.95E-04	6.44E-05	3.25E-03	1.05E-04	5.74E-09	2.60E-06	1.76E-06	1.10E-04
2134	494311.06	3859701.99	2.61E-04	9.81E-09	2.43E-06	2.05E-06	2.66E-04	1.23E-04	4.04E-03	1.82E-04	7.53E-05	4.42E-03	1.17E-04	8.05E-09	2.43E-06	2.05E-06	1.22E-04
2135	494361.06	3859701.99	2.60E-04	9.66E-09	2.45E-06	2.04E-06	2.64E-04	1.23E-04	3.98E-03	1.84E-04	7.48E-05	4.36E-03	1.17E-04	7.92E-09	2.45E-06	2.04E-06	1.21E-04
2136	494411.06	3859701.99	2.59E-04	9.58E-09	2.45E-06	2.03E-06	2.64E-04	1.22E-04	3.95E-03	1.84E-04	7.43E-05	4.33E-03	1.16E-04	7.86E-09	2.45E-06	2.03E-06	1.21E-04
2137	494461.06	3859701.99	2.59E-04	9.63E-09	2.42E-06	2.01E-06	2.63E-04	1.22E-04	3.97E-03	1.82E-04	7.37E-05	4.35E-03	1.16E-04	7.91E-09	2.42E-06	2.01E-06	1.21E-04
2138	494511.06	3859701.99	2.58E-04	9.50E-09	2.43E-06	2.00E-06	2.62E-04	1.22E-04	3.92E-03	1.83E-04	7.32E-05	4.29E-03	1.16E-04	7.80E-09	2.43E-06	2.00E-06	1.20E-04
2139	494561.06	3859701.99	2.57E-04	9.42E-09	2.44E-06	1.98E-06	2.61E-04	1.21E-04	3.88E-03	1.83E-04	7.27E-05	4.26E-03	1.15E-04	7.73E-09	2.44E-06	1.98E-06	1.20E-04
2140	494611.06	3859701.99	2.56E-04	9.32E-09	2.44E-06	1.97E-06	2.60E-04	1.21E-04	3.84E-03	1.83E-04	7.22E-05	4.22E-03	1.15E-04	7.65E-09	2.44E-06	1.97E-06	1.19E-04
2141	494661.06	3859701.99	2.54E-04	8.99E-09	2.50E-06	1.96E-06	2.58E-04	1.20E-04	3.70E-03	1.87E-04	7.19E-05	4.08E-03	1.14E-04	7.38E-09	2.50E-06	1.96E-06	1.18E-04
2142	494711.06	3859701.99	2.53E-04	8.96E-09	2.49E-06	1.95E-06	2.58E-04	1.19E-04	3.69E-03	1.86E-04	7.14E-05	4.07E-03	1.14E-04	7.35E-09	2.49E-06	1.95E-06	1.18E-04
2143	494761.06	3859701.99	2.52E-04	8.81E-09	2.50E-06	1.94E-06	2.56E-04	1.19E-04	3.63E-03	1.88E-04	7.10E-05	4.01E-03	1.13E-04	7.23E-09	2.50E-06	1.94E-06	1.17E-04
2144	494811.06	3859701.99	2.51E-04	8.66E-09	2.52E-06	1.92E-06	2.55E-04	1.18E-04	3.57E-03	1.89E-04	7.06E-05	3.94E-03	1.12E-04	7.10E-09	2.52E-06	1.92E-06	1.17E-04
2145	494861.06	3859701.99	2.50E-04	8.64E-09	2.50E-06	1.91E-06	2.55E-04	1.18E-04	3.56E-03	1.88E-04	7.01E-05	3.94E-03	1.12E-04	7.09E-09	2.50E-06	1.91E-06	1.17E-04
2146	494911.06	3859701.99	2.49E-04	8.52E-09	2.51E-06	1.90E-06	2.54E-04	1.18E-04	3.51E-03	1.88E-04	6.97E-05	3.88E-03	1.12E-04	6.99E-09	2.51E-06	1.90E-06	1.16E-04
2147	494961.06	3859701.99	2.48E-04	8.40E-09	2.52E-06	1.89E-06	2.53E-04	1.17E-04	3.46E-03	1.89E-04	6.92E-05	3.83E-03	1.11E-04	6.89E-09	2.52E-06	1.89E-06	1.16E-04
2148	495011.06	3859701.99	2.47E-04	8.33E-09	2.52E-06	1.88E-06	2.52E-04	1.17E-04	3.43E-03	1.89E-04	6.88E-05	3.81E-03	1.11E-04	6.84E-09	2.52E-06	1.88E-06	1.15E-04
2149	495061.06	3859701.99	2.47E-04	8.24E-09	2.52E-06	1.87E-06	2.51E-04	1.16E-04	3.39E-03	1.89E-04	6.84E-05	3.77E-03	1.11E-04	6.76E-09	2.52E-06	1.87E-06	1.15E-04
2150	495111.06	3859701.99	2.46E-04	8.14E-09	2.52E-06	1.85E-06	2.50E-04	1.16E-04	3.35E-03	1.89E-04	6.80E-05	3.73E-03	1.10E-04	6.68E-09	2.52E-06	1.85E-06	1.15E-04
2151	495161.06	3859701.99	2.44E-04	8.04E-09	2.53E-06	1.84E-06	2.49E-04	1.15E-04	3.31E-03	1.89E-04	6.76E-05	3.68E-03	1.10E-04	6.59E-09	2.53E-06	1.84E-06	1.14E-04
2152	495211.06	3859701.99	2.43E-04	7.93E-09	2.53E-06	1.83E-06	2.48E-04	1.15E-04	3.26E-03	1.90E-04	6.72E-05	3.64E-03	1.09E-04	6.50E-09	2.53E-06	1.83E-06	1.14E-04
2153	495261.06	3859701.99	2.43E-04	7.90E-09	2.52E-06	1.82E-06	2.47E-04	1.15E-04	3.25E-03	1.89E-04	6.67E-05	3.62E-03	1.09E-04	6.48E-09	2.52E-06	1.82E-06	1.13E-04
2154	495311.06	3859701.99	2.42E-04	7.80E-09	2.52E-06	1.81E-06	2.46E-04	1.14E-04	3.21E-03	1.89E-04	6.63E-05	3.58E-03	1.08E-04	6.40E-09	2.52E-06	1.81E-06	1.13E-04
2155	495361.06	3859701.99	2.41E-04	7.70E-09	2.52E-06	1.80E-06	2.45E-04	1.14E-04	3.17E-03	1.89E-04	6.60E-05	3.54E-03	1.08E-04	6.32E-09	2.52E-06	1.80E-06	1.12E-04
2156	495411.06	3859701.99	2.39E-04	7.58E-09	2.53E-06	1.79E-06	2.44E-04	1.13E-04	3.12E-03	1.90E-04	6.55E-05	3.49E-03	1.07E-04	6.22E-09	2.53E-06	1.79E-06	1.12E-04
2157	495461.06	3859701.99	2.38E-04	7.49E-09	2.53E-06	1.78E-06	2.43E-04	1.12E-04	3.08E-03	1.90E-04	6.51E-05	3.45E-03	1.07E-04	6.14E-09	2.53E-06	1.78E-06	1.11E-04
2158	495511.06	3859701.99	2.36E-04	7.31E-09	2.54E-06	1.76E-06	2.41E-04	1.11E-04	3.01E-03	1.91E-04	6.47E-05	3.38E-03	1.06E-04	6.00E-09	2.54E-06	1.76E-06	1.10E-04
2159	495561.06	3859701.99	2.36E-04	7.31E-09	2.53E-06	1.75E-06	2.40E-04	1.11E-04	3.01E-03	1.90E-04	6.43E-05	3.38E-03	1.06E-04	6.00E-09	2.53E-06	1.75E-06	1.10E-04
2160	495611.06	3859701.99	2.35E-04	7.23E-09	2.53E-06	1.74E-06	2.39E-04	1.11E-04	2.98E-03	1.89E-04	6.39E-05	3.34E-03	1.05E-04	5.93E-09	2.53E-06	1.74E-06	1.10E-04
2161	495661.06	3859701.99	2.34E-04	7.14E-09	2.53E-06	1.73E-06	2.38E-04	1.10E-04	2.94E-03	1.89E-04	6.35E-05	3.30E-03	1.05E-04	5.86E-09	2.53E-06	1.73E-06	1.09E-04
2162	494311.06	3859751.99	2.58E-04	9.99E-09	2.30E-06	2.01E-06	2.63E-04	1.22E-04	4.12E-03	1.73E-04	7.36E-05	4.49E-03	1.16E-04	8.20E-09	2.30E-06	2.01E-06	1.20E-04
2163	494361.06	3859751.99	2.57E-04	9.86E-09	2.31E-06	1.99E-06	2.61E-04	1.21E-04	4.06E-03	1.73E-04	7.31E-05	4.43E-03	1.15E-04	8.09E-09	2.31E-06	1.99E-06	1.20E-04
2164	494411.06	3859751.99	2.56E-04	9.70E-09	2.33E-06	1.98E-06	2.60E-04	1.21E-04	4.00E-03	1.75E-04	7.27E-05	4.36E-03	1.15E-04	7.96E-09	2.33E-06	1.98E-06	1.19E-04
2165	494461.06	3859751.99	2.55E-04	9.72E-09	2.31E-06	1.97E-06	2.60E-04	1.20E-04	4.00E-03	1.74E-04	7.21E-05	4.37E-03	1.15E-04	7.97E-09	2.31E-06	1.97E-06	1.19E-04
2166	494511.06	3859751.99	2.55E-04	9.67E-09	2.31E-06	1.95E-06	2.59E-04	1.20E-04	3.99E-03	1.73E-04	7.15E-05	4.35E-03	1.14E-04	7.94E-09	2.31E-06	1.95E-06	1.19E-04
2167	494561.06	3859751.99	2.54E-04	9.55E-09	2.32E-06	1.94E-06	2.58E-04	1.20E-04	3.94E-03	1.74E-04	7.11E-05	4.30E-03	1.14E-04	7.84E-09	2.32E-06	1.94E-06	1.18E-04
2168	494611.06	3859751.99	2.53E-04	9.39E-09	2.34E-06	1.93E-06	2.57E-04	1.19E-04	3.87E-03	1.75E-04	7.07E-05	4.24E-03	1.13E-04	7.71E-09	2.34E-06	1.93E-06	1.18E-04
2169	494661.06	3859751.99	2.51E-04	9.14E-09	2.37E-06	1.92E-06	2.55E-04	1.18E-04	3.77E-03	1.78E-04	7.03E-05	4.13E-03	1.13E-04	7.50E-09	2.37E-06	1.92E-06	1.17E-04
2170	494711.06	3859751.99	2.50E-04	9.11E-09	2.36E-06	1.91E-06	2.55E-04	1.18E-04	3.75E-03	1.77E-04	6.99E-05	4.12E-03	1.12E-04	7.48E-09	2.36E-06	1.91E-06	1.17E-04
2171	494761.06	3859751.99	2.50E-04	9.03E-09	2.37E-06	1.89E-06	2.54E-04	1.18E-04	3.72E-03	1.77E-04	6.94E-05	4.09E-03	1.12E-04	7.41E-09	2.37E-06	1.89E-06	1.16E-04
2172	494811.06	3859751.99	2.48E-04	8.89E-09	2.38E-06	1.88E-06	2.53E-04	1.17E-04	3.66E-03	1.79E-04	6.90E-05	4.03E-03	1.11E-04	7.30E-09	2.38E-06	1.88E-06	1.16E-04
2173	494861.06	3859751.99	2.48E-04	8.80E-09	2.38E-06	1.87E-06	2.52E-04	1.17E-04	3.63E-03	1.79E-04	6.86E-05	3.99E-03	1.11E-04	7.22E-09	2.38E-06	1.87E-06	1.15E-04
2174	494911.06	3859751.99	2.47E-04	8.70E-09	2.39E-06	1.86E-06	2.51E-04	1.16E-04	3.59E-03	1.79E-04	6.82E-05	3.95E-03	1.11E-04	7.14E-09	2.39E-06	1.86E-06	1.15E-04
2175	494961.06	3859751.99	2.46E-04	8.61E-09	2.39E-06	1.85E-06	2.50E-04	1.16E-04	3.55E-03	1.80E-04	6.78E-05	3.91E-03	1.10E-04	7.06E-09	2.39E-06	1.85E-06	1.14E-04
2176	495011.06	3859751.99	2.45E-04	8.50E-09	2.40E-06	1.84E-06	2.49E-04	1.15E-04	3.50E-03	1.80E-04	6.74E-05	3.87E-03	1.10E-04	6.98E-09	2.40E-06	1.84E-06	1.14E-04
2177	495061.06	3859751.99	2.44E-04	8.43E-09	2.40E-06	1.83E-06	2.48E-04	1.15E-04	3.47E-03	1.80E-04	6.70E-05	3.84E-03	1.09E-04	6.92E-09	2.40E-06	1.83E-06	1.14E-04
2178	495111.06	3859751.99	2.43E-04	8.33E-09	2.40E-06	1.82E-06	2.47E-04	1.15E-04	3.43E-03	1.80E-04	6.66E-05	3.79E-03	1.09E-04	6.84E-09	2.40E-06	1.82E-06	1.13E-04
2179	495161.06	3859751.99	2.42E-04	8.22E-09	2.41E-06	1.81E-06	2.46E-04	1.14E-04	3.39E-03	1.81E-04	6.62E-05	3.75E-03	1.09E-04	6.75E-09	2.41E-06	1.81E-06	1.13E-04
2180	495211.06	3859751.99	2.41E-04	8.11E-09	2.42E-06	1.80E-06	2.45E-04	1.14E-04	3.34E-03	1.82E-04	6.58E-05	3.70E-03	1.08E-04	6.65E-09	2.42E-06	1.80E-06	1.12E-04
2181	495261.06	3859751.99	2.40E-04	8.04E-09	2.42E-06	1.79E-06	2.45E-04	1.13E-04	3.31E-03	1.81E-04	6.55E-05	3.67E-03	1.08E-04	6.59E-09	2.42E-06	1.79E-06	1.12E-04
2182	495311.06	3859751.99	2.39E-04	7.94E-09	2.42E-06	1.77E-06	2.44E-04	1.13E-04	3.27E-03	1.82E-04	6.51E-05	3.63E-03	1.07E-04	6.51E-09	2.42E-06	1.77E-06	1.12E-04
2183	495361.06	3859751.99	2.39E-04	7.85E-09	2.43E-06	1.77E-06	2.43E-04	1.12E-04	3.23E-03	1.82E-04	6.47E-05	3.59E-03	1.07E-04	6.44E-09	2.43E-06	1.77E-06	1.11E-04
2184	495411.06	3859751.99	2.38E-04	7.76E-09	2.43E-06	1.75E-06	2.42E-04	1.12E-04	3.20E-03	1.82E-04	6.43E-05	3.56E-03	1.07E-04	6.37E-09	2.43E-06	1.75E-06	1.11E-04
2185	495461.06	3859751.99	2.36E-04	7.63E-09	2.44E-06	1.75E-06	2.41E-04	1.11E-04	3.14E-03	1.83E-04	6.40E-05	3.50E-03	1.06E-04	6.26E-09	2.44E-06	1.75E-06	1.10E-04
2186	495511.06	3859751.99	2.35E-04	7.51E-09	2.45E-06	1.74E-06	2.39E-04	1.11E-04	3.09E-03	1.84E-04	6.36E-05	3.45E-03	1.05E-04	6.16E-09	2.45E-06	1.74E-06	1.10E-04
2187	495561.06	3859751.99	2.34E-04	7.42E-09	2.45E-06	1.72E-06	2.38E-04	1.10E-04	3.06E-03	1.84E-04	6.32E-05	3.41E-03	1.05E-04	6.09E-09	2.45E-06	1.72E-06	1.09E-04
2188	495611.06	3859751.99	2.33E-04	7.33E-09	2.45E-06	1.71E-06	2.37E-04	1.10E-04	3.02E-03	1.84E-04	6.29E-05	3.38E-03	1.05E-04	6.02E-09	2.45E-06	1.71E-06	1.09E-04
2189	495661.06	3859751.99	2.32E-04	7.27E-09	2.45E-06	1.70E-06	2.36E-04	1.10E-04	3.00E-03	1.83E-04	6.25E-05	3.35E-03	1.04E-04	5.97E-09	2.45E-06	1.70E-06	1.08E-04
2190	494311.06	3859801.99	2.55E-04	1.02E-08	2.18E-06	1.96E-06	2.59E-04	1.20E-04	4.19E-03	1.63E-04	7.18E-05	4.54E-03	1.15E-04	8.34E-09	2.18E-06	1.96E-06	1.19E-04
2191	494361.06	3859801.99	2.54E-04	9.98E-09	2.20E-06	1.95E-06	2.58E-04	1.20E-04	4.11E-03	1.65E-04	7.14E-05	4.47E-03	1.14E-04	8.19E-09	2.20E-06	1.95E-06	1.18E-04
2192	494411.06	3859801.99	2.53E-04	9.78E-09	2.22E-06	1.94E-06	2.57E-04	1.19E-04	4.03E-03	1.67E-04	7.10E-05	4.39E-03	1.13E-04	8.03E-09	2.22E-06	1.94E-06	1.17E-04

2193	494461.06	3859801.99	2.52E-04	9.78E-09	2.21E-06	1.92E-06	2.56E-04	1.19E-04	4.03E-03	1.66E-04	7.04E-05	4.38E-03	1.13E-04	8.03E-09	2.21E-06	1.92E-06	1.17E-04
2194	494511.06	3859801.99	2.52E-04	9.79E-09	2.20E-06	1.91E-06	2.56E-04	1.19E-04	4.04E-03	1.65E-04	6.99E-05	4.39E-03	1.13E-04	8.04E-09	2.20E-06	1.91E-06	1.17E-04
2195	494561.06	3859801.99	2.51E-04	9.68E-09	2.20E-06	1.89E-06	2.55E-04	1.18E-04	3.99E-03	1.65E-04	6.94E-05	4.34E-03	1.12E-04	7.94E-09	2.20E-06	1.89E-06	1.16E-04
2196	494611.06	3859801.99	2.49E-04	9.45E-09	2.24E-06	1.88E-06	2.53E-04	1.17E-04	3.89E-03	1.68E-04	6.91E-05	4.25E-03	1.12E-04	7.75E-09	2.24E-06	1.88E-06	1.16E-04
2197	494661.06	3859801.99	2.48E-04	9.32E-09	2.25E-06	1.87E-06	2.52E-04	1.17E-04	3.84E-03	1.69E-04	6.87E-05	4.19E-03	1.11E-04	7.65E-09	2.25E-06	1.87E-06	1.15E-04
2198	494711.06	3859801.99	2.47E-04	9.16E-09	2.27E-06	1.86E-06	2.51E-04	1.16E-04	3.77E-03	1.70E-04	6.84E-05	4.13E-03	1.11E-04	7.52E-09	2.27E-06	1.86E-06	1.15E-04
2199	494761.06	3859801.99	2.46E-04	9.17E-09	2.25E-06	1.85E-06	2.51E-04	1.16E-04	3.78E-03	1.69E-04	6.78E-05	4.13E-03	1.11E-04	7.52E-09	2.25E-06	1.85E-06	1.15E-04
2200	494811.06	3859801.99	2.45E-04	9.05E-09	2.26E-06	1.84E-06	2.50E-04	1.16E-04	3.73E-03	1.70E-04	6.74E-05	4.08E-03	1.10E-04	7.42E-09	2.26E-06	1.84E-06	1.14E-04
2201	494861.06	3859801.99	2.45E-04	8.96E-09	2.27E-06	1.83E-06	2.49E-04	1.15E-04	3.69E-03	1.70E-04	6.70E-05	4.04E-03	1.10E-04	7.35E-09	2.27E-06	1.83E-06	1.14E-04
2202	494911.06	3859801.99	2.44E-04	8.83E-09	2.28E-06	1.82E-06	2.48E-04	1.15E-04	3.64E-03	1.71E-04	6.67E-05	3.99E-03	1.09E-04	7.24E-09	2.28E-06	1.82E-06	1.13E-04
2203	494961.06	3859801.99	2.43E-04	8.73E-09	2.29E-06	1.81E-06	2.47E-04	1.15E-04	3.60E-03	1.71E-04	6.63E-05	3.95E-03	1.09E-04	7.17E-09	2.29E-06	1.81E-06	1.13E-04
2204	495011.06	3859801.99	2.42E-04	8.63E-09	2.29E-06	1.80E-06	2.46E-04	1.14E-04	3.56E-03	1.72E-04	6.59E-05	3.91E-03	1.08E-04	7.08E-09	2.29E-06	1.80E-06	1.13E-04
2205	495061.06	3859801.99	2.41E-04	8.55E-09	2.29E-06	1.79E-06	2.45E-04	1.14E-04	3.52E-03	1.72E-04	6.55E-05	3.87E-03	1.08E-04	7.02E-09	2.29E-06	1.79E-06	1.12E-04
2206	495111.06	3859801.99	2.40E-04	8.43E-09	2.31E-06	1.78E-06	2.44E-04	1.13E-04	3.47E-03	1.73E-04	6.52E-05	3.83E-03	1.08E-04	6.92E-09	2.31E-06	1.78E-06	1.12E-04
2207	495161.06	3859801.99	2.39E-04	8.32E-09	2.31E-06	1.77E-06	2.43E-04	1.13E-04	3.43E-03	1.74E-04	6.48E-05	3.78E-03	1.07E-04	6.83E-09	2.31E-06	1.77E-06	1.11E-04
2208	495211.06	3859801.99	2.38E-04	8.24E-09	2.32E-06	1.76E-06	2.43E-04	1.12E-04	3.40E-03	1.74E-04	6.45E-05	3.75E-03	1.07E-04	6.77E-09	2.32E-06	1.76E-06	1.11E-04
2209	495261.06	3859801.99	2.38E-04	8.13E-09	2.33E-06	1.75E-06	2.42E-04	1.12E-04	3.35E-03	1.74E-04	6.41E-05	3.70E-03	1.07E-04	6.67E-09	2.33E-06	1.75E-06	1.11E-04
2210	495311.06	3859801.99	2.37E-04	8.06E-09	2.33E-06	1.74E-06	2.41E-04	1.12E-04	3.32E-03	1.74E-04	6.37E-05	3.67E-03	1.06E-04	6.62E-09	2.33E-06	1.74E-06	1.10E-04
2211	495361.06	3859801.99	2.36E-04	7.97E-09	2.33E-06	1.73E-06	2.40E-04	1.11E-04	3.28E-03	1.75E-04	6.34E-05	3.63E-03	1.06E-04	6.54E-09	2.33E-06	1.73E-06	1.10E-04
2212	495411.06	3859801.99	2.35E-04	7.85E-09	2.34E-06	1.72E-06	2.39E-04	1.11E-04	3.23E-03	1.76E-04	6.31E-05	3.58E-03	1.05E-04	6.44E-09	2.34E-06	1.72E-06	1.09E-04
2213	495461.06	3859801.99	2.34E-04	7.76E-09	2.35E-06	1.71E-06	2.38E-04	1.10E-04	3.20E-03	1.76E-04	6.27E-05	3.55E-03	1.05E-04	6.37E-09	2.35E-06	1.71E-06	1.09E-04
2214	495511.06	3859801.99	2.33E-04	7.63E-09	2.36E-06	1.70E-06	2.37E-04	1.10E-04	3.14E-03	1.77E-04	6.24E-05	3.49E-03	1.04E-04	6.26E-09	2.36E-06	1.70E-06	1.08E-04
2215	495561.06	3859801.99	2.32E-04	7.55E-09	2.36E-06	1.69E-06	2.36E-04	1.09E-04	3.11E-03	1.77E-04	6.21E-05	3.46E-03	1.04E-04	6.20E-09	2.36E-06	1.69E-06	1.08E-04
2216	495611.06	3859801.99	2.31E-04	7.52E-09	2.35E-06	1.68E-06	2.35E-04	1.09E-04	3.10E-03	1.76E-04	6.18E-05	3.44E-03	1.04E-04	6.17E-09	2.35E-06	1.68E-06	1.08E-04
2217	495661.06	3859801.99	2.30E-04	7.40E-09	2.36E-06	1.67E-06	2.34E-04	1.09E-04	3.05E-03	1.77E-04	6.14E-05	3.40E-03	1.03E-04	6.07E-09	2.36E-06	1.67E-06	1.07E-04
2218	494311.06	3859851.99	2.52E-04	1.03E-08	2.07E-06	1.91E-06	2.56E-04	1.19E-04	4.22E-03	1.55E-04	7.01E-05	4.57E-03	1.13E-04	8.41E-09	2.07E-06	1.91E-06	1.17E-04
2219	494361.06	3859851.99	2.51E-04	1.01E-08	2.09E-06	1.90E-06	2.55E-04	1.18E-04	4.16E-03	1.56E-04	6.97E-05	4.51E-03	1.13E-04	8.29E-09	2.09E-06	1.90E-06	1.17E-04
2220	494411.06	3859851.99	2.50E-04	9.93E-09	2.10E-06	1.89E-06	2.54E-04	1.18E-04	4.09E-03	1.58E-04	6.93E-05	4.44E-03	1.12E-04	8.15E-09	2.10E-06	1.89E-06	1.16E-04
2221	494461.06	3859851.99	2.49E-04	9.81E-09	2.11E-06	1.88E-06	2.53E-04	1.17E-04	4.04E-03	1.59E-04	6.89E-05	4.39E-03	1.11E-04	8.05E-09	2.11E-06	1.88E-06	1.15E-04
2222	494511.06	3859851.99	2.48E-04	9.78E-09	2.11E-06	1.86E-06	2.52E-04	1.17E-04	4.03E-03	1.58E-04	6.83E-05	4.37E-03	1.11E-04	8.02E-09	2.11E-06	1.86E-06	1.15E-04
2223	494561.06	3859851.99	2.47E-04	9.76E-09	2.10E-06	1.85E-06	2.51E-04	1.17E-04	4.02E-03	1.58E-04	6.78E-05	4.36E-03	1.11E-04	8.01E-09	2.10E-06	1.85E-06	1.15E-04
2224	494611.06	3859851.99	2.46E-04	9.52E-09	2.13E-06	1.84E-06	2.50E-04	1.16E-04	3.92E-03	1.60E-04	6.75E-05	4.27E-03	1.10E-04	7.81E-09	2.13E-06	1.84E-06	1.14E-04
2225	494661.06	3859851.99	2.45E-04	9.47E-09	2.13E-06	1.83E-06	2.49E-04	1.16E-04	3.90E-03	1.60E-04	6.71E-05	4.24E-03	1.10E-04	7.77E-09	2.13E-06	1.83E-06	1.14E-04
2226	494711.06	3859851.99	2.44E-04	9.29E-09	2.15E-06	1.82E-06	2.48E-04	1.15E-04	3.83E-03	1.62E-04	6.67E-05	4.17E-03	1.09E-04	7.62E-09	2.15E-06	1.82E-06	1.13E-04
2227	494761.06	3859851.99	2.43E-04	9.28E-09	2.14E-06	1.81E-06	2.47E-04	1.15E-04	3.82E-03	1.61E-04	6.62E-05	4.16E-03	1.09E-04	7.61E-09	2.14E-06	1.81E-06	1.13E-04
2228	494811.06	3859851.99	2.42E-04	9.16E-09	2.15E-06	1.80E-06	2.46E-04	1.14E-04	3.78E-03	1.62E-04	6.59E-05	4.12E-03	1.09E-04	7.52E-09	2.15E-06	1.80E-06	1.13E-04
2229	494861.06	3859851.99	2.42E-04	9.10E-09	2.15E-06	1.79E-06	2.46E-04	1.14E-04	3.75E-03	1.62E-04	6.55E-05	4.09E-03	1.08E-04	7.46E-09	2.15E-06	1.79E-06	1.12E-04
2230	494911.06	3859851.99	2.41E-04	8.97E-09	2.17E-06	1.78E-06	2.45E-04	1.14E-04	3.69E-03	1.63E-04	6.51E-05	4.03E-03	1.08E-04	7.36E-09	2.17E-06	1.78E-06	1.12E-04
2231	494961.06	3859851.99	2.40E-04	8.87E-09	2.17E-06	1.77E-06	2.44E-04	1.13E-04	3.65E-03	1.63E-04	6.48E-05	3.99E-03	1.08E-04	7.28E-09	2.17E-06	1.77E-06	1.12E-04
2232	495011.06	3859851.99	2.39E-04	8.77E-09	2.18E-06	1.76E-06	2.43E-04	1.13E-04	3.61E-03	1.64E-04	6.44E-05	3.95E-03	1.07E-04	7.20E-09	2.18E-06	1.76E-06	1.11E-04
2233	495061.06	3859851.99	2.38E-04	8.69E-09	2.18E-06	1.75E-06	2.42E-04	1.12E-04	3.58E-03	1.64E-04	6.40E-05	3.92E-03	1.07E-04	7.13E-09	2.18E-06	1.75E-06	1.11E-04
2234	495111.06	3859851.99	2.37E-04	8.56E-09	2.20E-06	1.74E-06	2.41E-04	1.12E-04	3.53E-03	1.65E-04	6.37E-05	3.87E-03	1.06E-04	7.02E-09	2.20E-06	1.74E-06	1.10E-04
2235	495161.06	3859851.99	2.36E-04	8.46E-09	2.21E-06	1.73E-06	2.40E-04	1.11E-04	3.48E-03	1.66E-04	6.34E-05	3.82E-03	1.06E-04	6.94E-09	2.21E-06	1.73E-06	1.10E-04
2236	495211.06	3859851.99	2.36E-04	8.36E-09	2.21E-06	1.72E-06	2.40E-04	1.11E-04	3.45E-03	1.66E-04	6.31E-05	3.79E-03	1.06E-04	6.86E-09	2.21E-06	1.72E-06	1.10E-04
2237	495261.06	3859851.99	2.35E-04	8.26E-09	2.22E-06	1.71E-06	2.39E-04	1.11E-04	3.40E-03	1.67E-04	6.27E-05	3.74E-03	1.05E-04	6.78E-09	2.22E-06	1.71E-06	1.09E-04
2238	495311.06	3859851.99	2.34E-04	8.18E-09	2.22E-06	1.70E-06	2.38E-04	1.10E-04	3.37E-03	1.67E-04	6.24E-05	3.71E-03	1.05E-04	6.72E-09	2.22E-06	1.70E-06	1.09E-04
2239	495361.06	3859851.99	2.33E-04	8.10E-09	2.23E-06	1.69E-06	2.37E-04	1.10E-04	3.34E-03	1.67E-04	6.21E-05	3.67E-03	1.05E-04	6.64E-09	2.23E-06	1.69E-06	1.09E-04
2240	495411.06	3859851.99	2.32E-04	7.98E-09	2.24E-06	1.68E-06	2.36E-04	1.10E-04	3.29E-03	1.68E-04	6.18E-05	3.63E-03	1.04E-04	6.55E-09	2.24E-06	1.68E-06	1.08E-04
2241	495461.06	3859851.99	2.31E-04	7.88E-09	2.25E-06	1.68E-06	2.35E-04	1.09E-04	3.24E-03	1.69E-04	6.15E-05	3.58E-03	1.04E-04	6.46E-09	2.25E-06	1.68E-06	1.08E-04
2242	495511.06	3859851.99	2.30E-04	7.76E-09	2.26E-06	1.67E-06	2.34E-04	1.09E-04	3.20E-03	1.70E-04	6.12E-05	3.53E-03	1.03E-04	6.36E-09	2.26E-06	1.67E-06	1.07E-04
2243	495561.06	3859851.99	2.30E-04	7.69E-09	2.26E-06	1.66E-06	2.34E-04	1.08E-04	3.17E-03	1.70E-04	6.08E-05	3.51E-03	1.03E-04	6.31E-09	2.26E-06	1.66E-06	1.07E-04
2244	495611.06	3859851.99	2.29E-04	7.63E-09	2.26E-06	1.65E-06	2.33E-04	1.08E-04	3.14E-03	1.70E-04	6.05E-05	3.48E-03	1.03E-04	6.26E-09	2.26E-06	1.65E-06	1.07E-04
2245	495661.06	3859851.99	2.28E-04	7.51E-09	2.27E-06	1.64E-06	2.32E-04	1.07E-04	3.10E-03	1.70E-04	6.02E-05	3.43E-03	1.02E-04	6.17E-09	2.27E-06	1.64E-06	1.06E-04
2246	494311.06	3859901.99	2.49E-04	1.03E-08	1.98E-06	1.87E-06	2.53E-04	1.17E-04	4.25E-03	1.48E-04	6.84E-05	4.58E-03	1.12E-04	8.46E-09	1.98E-06	1.87E-06	1.15E-04
2247	494361.06	3859901.99	2.47E-04	1.01E-08	2.00E-06	1.86E-06	2.51E-04	1.17E-04	4.16E-03	1.50E-04	6.81E-05	4.49E-03	1.11E-04	8.28E-09	2.00E-06	1.86E-06	1.15E-04
2248	494411.06	3859901.99	2.47E-04	1.00E-08	2.00E-06	1.84E-06	2.50E-04	1.16E-04	4.13E-03	1.50E-04	6.76E-05	4.47E-03	1.11E-04	8.23E-09	2.00E-06	1.84E-06	1.14E-04
2249	494461.06	3859901.99	2.46E-04	9.91E-09	2.01E-06	1.83E-06	2.49E-04	1.16E-04	4.08E-03	1.51E-04	6.72E-05	4.42E-03	1.10E-04	8.13E-09	2.01E-06	1.83E-06	1.14E-04
2250	494511.06	3859901.99	2.45E-04	9.84E-09	2.01E-06	1.82E-06	2.49E-04	1.15E-04	4.05E-03	1.51E-04	6.67E-05	4.39E-03	1.10E-04	8.07E-09	2.01E-06	1.82E-06	1.14E-04
2251	494561.06	3859901.99	2.44E-04	9.85E-09	2.00E-06	1.80E-06	2.48E-04	1.15E-04	4.06E-03	1.50E-04	6.62E-05	4.39E-03	1.10E-04	8.09E-09	2.00E-06	1.80E-06	1.13E-04
2252	494611.06	3859901.99	2.43E-04	9.60E-09	2.03E-06	1.80E-06	2.47E-04	1.14E-04	3.96E-03	1.52E-04	6.59E-05	4.29E-03	1.09E-04	7.88E-09	2.03E-06	1.80E-06	1.13E-04
2253	494661.06	3859901.99	2.42E-04	9.60E-09	2.02E-06	1.78E-06	2.46E-04	1.14E-04	3.96E-03	1.52E-04	6.54E-05	4.29E-03	1.09E-04	7.88E-09	2.02E-06	1.78E-06	1.12E-04

2254	494711.06	3859901.99	2.41E-04	9.36E-09	2.05E-06	1.78E-06	2.45E-04	1.14E-04	3.86E-03	1.54E-04	6.52E-05	4.19E-03	1.08E-04	7.68E-09	2.05E-06	1.78E-06	1.12E-04
2255	494761.06	3859901.99	2.40E-04	9.32E-09	2.05E-06	1.77E-06	2.44E-04	1.13E-04	3.84E-03	1.54E-04	6.47E-05	4.17E-03	1.08E-04	7.65E-09	2.05E-06	1.77E-06	1.11E-04
2256	494811.06	3859901.99	2.39E-04	9.29E-09	2.05E-06	1.75E-06	2.43E-04	1.13E-04	3.83E-03	1.54E-04	6.43E-05	4.16E-03	1.07E-04	7.62E-09	2.05E-06	1.75E-06	1.11E-04
2257	494861.06	3859901.99	2.39E-04	9.21E-09	2.05E-06	1.74E-06	2.43E-04	1.13E-04	3.80E-03	1.54E-04	6.39E-05	4.13E-03	1.07E-04	7.56E-09	2.05E-06	1.74E-06	1.11E-04
2258	494911.06	3859901.99	2.38E-04	9.08E-09	2.06E-06	1.73E-06	2.41E-04	1.12E-04	3.74E-03	1.55E-04	6.36E-05	4.07E-03	1.07E-04	7.45E-09	2.06E-06	1.73E-06	1.10E-04
2259	494961.06	3859901.99	2.37E-04	9.00E-09	2.07E-06	1.72E-06	2.41E-04	1.12E-04	3.71E-03	1.55E-04	6.32E-05	4.04E-03	1.06E-04	7.38E-09	2.07E-06	1.72E-06	1.10E-04
2260	495011.06	3859901.99	2.36E-04	8.88E-09	2.08E-06	1.72E-06	2.40E-04	1.11E-04	3.66E-03	1.56E-04	6.29E-05	3.99E-03	1.06E-04	7.29E-09	2.08E-06	1.72E-06	1.10E-04
2261	495061.06	3859901.99	2.35E-04	8.78E-09	2.09E-06	1.71E-06	2.39E-04	1.11E-04	3.62E-03	1.56E-04	6.25E-05	3.95E-03	1.05E-04	7.21E-09	2.09E-06	1.71E-06	1.09E-04
2262	495111.06	3859901.99	2.34E-04	8.65E-09	2.10E-06	1.70E-06	2.38E-04	1.10E-04	3.56E-03	1.57E-04	6.23E-05	3.89E-03	1.05E-04	7.10E-09	2.10E-06	1.70E-06	1.09E-04
2263	495161.06	3859901.99	2.33E-04	8.53E-09	2.11E-06	1.69E-06	2.37E-04	1.10E-04	3.52E-03	1.58E-04	6.20E-05	3.85E-03	1.05E-04	7.00E-09	2.11E-06	1.69E-06	1.08E-04
2264	495211.06	3859901.99	2.33E-04	8.47E-09	2.11E-06	1.68E-06	2.36E-04	1.10E-04	3.49E-03	1.58E-04	6.16E-05	3.82E-03	1.04E-04	6.95E-09	2.11E-06	1.68E-06	1.08E-04
2265	495261.06	3859901.99	2.32E-04	8.33E-09	2.13E-06	1.67E-06	2.35E-04	1.09E-04	3.43E-03	1.60E-04	6.13E-05	3.76E-03	1.04E-04	6.84E-09	2.13E-06	1.67E-06	1.08E-04
2266	495311.06	3859901.99	2.31E-04	8.27E-09	2.13E-06	1.66E-06	2.35E-04	1.09E-04	3.41E-03	1.60E-04	6.10E-05	3.74E-03	1.04E-04	6.78E-09	2.13E-06	1.66E-06	1.07E-04
2267	495361.06	3859901.99	2.30E-04	8.17E-09	2.14E-06	1.66E-06	2.34E-04	1.09E-04	3.36E-03	1.60E-04	6.07E-05	3.69E-03	1.03E-04	6.70E-09	2.14E-06	1.66E-06	1.07E-04
2268	495411.06	3859901.99	2.29E-04	8.05E-09	2.15E-06	1.65E-06	2.33E-04	1.08E-04	3.32E-03	1.61E-04	6.04E-05	3.65E-03	1.03E-04	6.61E-09	2.15E-06	1.65E-06	1.07E-04
2269	495461.06	3859901.99	2.28E-04	7.95E-09	2.16E-06	1.64E-06	2.32E-04	1.08E-04	3.28E-03	1.62E-04	6.01E-05	3.61E-03	1.02E-04	6.53E-09	2.16E-06	1.64E-06	1.06E-04
2270	495511.06	3859901.99	2.28E-04	7.88E-09	2.16E-06	1.63E-06	2.32E-04	1.07E-04	3.25E-03	1.62E-04	5.98E-05	3.58E-03	1.02E-04	6.47E-09	2.16E-06	1.63E-06	1.06E-04
2271	495561.06	3859901.99	2.27E-04	7.82E-09	2.16E-06	1.62E-06	2.31E-04	1.07E-04	3.22E-03	1.62E-04	5.95E-05	3.55E-03	1.02E-04	6.41E-09	2.16E-06	1.62E-06	1.06E-04
2272	495611.06	3859901.99	2.26E-04	7.71E-09	2.17E-06	1.62E-06	2.30E-04	1.07E-04	3.18E-03	1.63E-04	5.93E-05	3.51E-03	1.01E-04	6.33E-09	2.17E-06	1.62E-06	1.05E-04
2273	495661.06	3859901.99	2.25E-04	7.60E-09	2.18E-06	1.61E-06	2.29E-04	1.06E-04	3.13E-03	1.64E-04	5.90E-05	3.46E-03	1.01E-04	6.24E-09	2.18E-06	1.61E-06	1.05E-04
2274	494311.06	3859951.99	2.46E-04	1.04E-08	1.89E-06	1.82E-06	2.50E-04	1.16E-04	4.28E-03	1.42E-04	6.67E-05	4.60E-03	1.11E-04	8.52E-09	1.89E-06	1.82E-06	1.14E-04
2275	494361.06	3859951.99	2.45E-04	1.02E-08	1.90E-06	1.81E-06	2.49E-04	1.16E-04	4.22E-03	1.43E-04	6.63E-05	4.54E-03	1.10E-04	8.40E-09	1.90E-06	1.81E-06	1.14E-04
2276	494411.06	3859951.99	2.44E-04	1.01E-08	1.91E-06	1.80E-06	2.47E-04	1.15E-04	4.16E-03	1.43E-04	6.60E-05	4.48E-03	1.09E-04	8.29E-09	1.91E-06	1.80E-06	1.13E-04
2277	494461.06	3859951.99	2.43E-04	9.98E-09	1.92E-06	1.79E-06	2.46E-04	1.14E-04	4.11E-03	1.44E-04	6.55E-05	4.44E-03	1.09E-04	8.19E-09	1.92E-06	1.79E-06	1.13E-04
2278	494511.06	3859951.99	2.42E-04	9.91E-09	1.92E-06	1.78E-06	2.45E-04	1.14E-04	4.08E-03	1.44E-04	6.51E-05	4.41E-03	1.08E-04	8.13E-09	1.92E-06	1.78E-06	1.12E-04
2279	494561.06	3859951.99	2.42E-04	9.95E-09	1.91E-06	1.76E-06	2.46E-04	1.14E-04	4.10E-03	1.44E-04	6.45E-05	4.42E-03	1.09E-04	8.17E-09	1.91E-06	1.76E-06	1.12E-04
2280	494611.06	3859951.99	2.40E-04	9.73E-09	1.93E-06	1.75E-06	2.44E-04	1.13E-04	4.01E-03	1.45E-04	6.43E-05	4.33E-03	1.08E-04	7.99E-09	1.93E-06	1.75E-06	1.11E-04
2281	494661.06	3859951.99	2.40E-04	9.71E-09	1.93E-06	1.74E-06	2.44E-04	1.13E-04	4.00E-03	1.45E-04	6.38E-05	4.32E-03	1.08E-04	7.97E-09	1.93E-06	1.74E-06	1.11E-04
2282	494711.06	3859951.99	2.38E-04	9.51E-09	1.95E-06	1.73E-06	2.42E-04	1.12E-04	3.92E-03	1.46E-04	6.36E-05	4.24E-03	1.07E-04	7.81E-09	1.95E-06	1.73E-06	1.10E-04
2283	494761.06	3859951.99	2.37E-04	9.44E-09	1.95E-06	1.72E-06	2.41E-04	1.12E-04	3.89E-03	1.46E-04	6.31E-05	4.21E-03	1.06E-04	7.75E-09	1.95E-06	1.72E-06	1.10E-04
2284	494811.06	3859951.99	2.36E-04	9.36E-09	1.96E-06	1.71E-06	2.40E-04	1.12E-04	3.86E-03	1.47E-04	6.28E-05	4.18E-03	1.06E-04	7.68E-09	1.96E-06	1.71E-06	1.10E-04
2285	494861.06	3859951.99	2.36E-04	9.31E-09	1.96E-06	1.70E-06	2.39E-04	1.11E-04	3.84E-03	1.47E-04	6.24E-05	4.16E-03	1.06E-04	7.64E-09	1.96E-06	1.70E-06	1.09E-04
2286	494911.06	3859951.99	2.35E-04	9.18E-09	1.97E-06	1.69E-06	2.38E-04	1.11E-04	3.78E-03	1.48E-04	6.20E-05	4.10E-03	1.05E-04	7.53E-09	1.97E-06	1.69E-06	1.09E-04
2287	494961.06	3859951.99	2.34E-04	9.06E-09	1.98E-06	1.68E-06	2.38E-04	1.10E-04	3.73E-03	1.48E-04	6.17E-05	4.05E-03	1.05E-04	7.43E-09	1.98E-06	1.68E-06	1.09E-04
2288	495011.06	3859951.99	2.33E-04	8.95E-09	1.99E-06	1.67E-06	2.37E-04	1.10E-04	3.69E-03	1.49E-04	6.14E-05	4.01E-03	1.04E-04	7.34E-09	1.99E-06	1.67E-06	1.08E-04
2289	495061.06	3859951.99	2.32E-04	8.86E-09	1.99E-06	1.67E-06	2.36E-04	1.09E-04	3.65E-03	1.49E-04	6.11E-05	3.97E-03	1.04E-04	7.27E-09	1.99E-06	1.67E-06	1.08E-04
2290	495111.06	3859951.99	2.31E-04	8.73E-09	2.01E-06	1.66E-06	2.35E-04	1.09E-04	3.60E-03	1.50E-04	6.08E-05	3.92E-03	1.04E-04	7.16E-09	2.01E-06	1.66E-06	1.07E-04
2291	495161.06	3859951.99	2.30E-04	8.61E-09	2.02E-06	1.65E-06	2.34E-04	1.09E-04	3.55E-03	1.51E-04	6.05E-05	3.87E-03	1.03E-04	7.07E-09	2.02E-06	1.65E-06	1.07E-04
2292	495211.06	3859951.99	2.29E-04	8.49E-09	2.03E-06	1.64E-06	2.33E-04	1.08E-04	3.50E-03	1.52E-04	6.03E-05	3.82E-03	1.03E-04	6.97E-09	2.03E-06	1.64E-06	1.07E-04
2293	495261.06	3859951.99	2.29E-04	8.40E-09	2.04E-06	1.64E-06	2.32E-04	1.08E-04	3.46E-03	1.53E-04	6.00E-05	3.78E-03	1.03E-04	6.89E-09	2.04E-06	1.64E-06	1.06E-04
2294	495311.06	3859951.99	2.28E-04	8.34E-09	2.04E-06	1.63E-06	2.32E-04	1.08E-04	3.44E-03	1.53E-04	5.96E-05	3.76E-03	1.02E-04	6.85E-09	2.04E-06	1.63E-06	1.06E-04
2295	495361.06	3859951.99	2.27E-04	8.26E-09	2.04E-06	1.62E-06	2.31E-04	1.07E-04	3.40E-03	1.53E-04	5.93E-05	3.72E-03	1.02E-04	6.78E-09	2.04E-06	1.62E-06	1.06E-04
2296	495411.06	3859951.99	2.26E-04	8.15E-09	2.05E-06	1.61E-06	2.30E-04	1.07E-04	3.36E-03	1.54E-04	5.91E-05	3.68E-03	1.02E-04	6.69E-09	2.05E-06	1.61E-06	1.05E-04
2297	495461.06	3859951.99	2.26E-04	8.05E-09	2.06E-06	1.60E-06	2.29E-04	1.06E-04	3.32E-03	1.55E-04	5.88E-05	3.64E-03	1.01E-04	6.61E-09	2.06E-06	1.60E-06	1.05E-04
2298	495511.06	3859951.99	2.25E-04	7.95E-09	2.07E-06	1.60E-06	2.28E-04	1.06E-04	3.28E-03	1.56E-04	5.85E-05	3.60E-03	1.01E-04	6.52E-09	2.07E-06	1.60E-06	1.05E-04
2299	495561.06	3859951.99	2.24E-04	7.91E-09	2.07E-06	1.59E-06	2.28E-04	1.06E-04	3.26E-03	1.55E-04	5.82E-05	3.58E-03	1.01E-04	6.49E-09	2.07E-06	1.59E-06	1.04E-04
2300	495611.06	3859951.99	2.23E-04	7.81E-09	2.08E-06	1.58E-06	2.27E-04	1.05E-04	3.22E-03	1.56E-04	5.80E-05	3.53E-03	1.00E-04	6.41E-09	2.08E-06	1.58E-06	1.04E-04
2301	495661.06	3859951.99	2.23E-04	7.68E-09	2.09E-06	1.57E-06	2.26E-04	1.05E-04	3.17E-03	1.57E-04	5.77E-05	3.49E-03	9.98E-05	6.31E-09	2.09E-06	1.57E-06	1.03E-04
2302	494311.06	3860001.99	2.43E-04	1.04E-08	1.82E-06	1.77E-06	2.47E-04	1.15E-04	4.30E-03	1.36E-04	6.51E-05	4.62E-03	1.09E-04	8.56E-09	1.82E-06	1.77E-06	1.13E-04
2303	494361.06	3860001.99	2.42E-04	1.03E-08	1.82E-06	1.76E-06	2.46E-04	1.14E-04	4.25E-03	1.37E-04	6.47E-05	4.57E-03	1.09E-04	8.47E-09	1.82E-06	1.76E-06	1.12E-04
2304	494411.06	3860001.99	2.41E-04	1.01E-08	1.83E-06	1.75E-06	2.45E-04	1.14E-04	4.18E-03	1.38E-04	6.43E-05	4.49E-03	1.08E-04	8.32E-09	1.83E-06	1.75E-06	1.12E-04
2305	494461.06	3860001.99	2.40E-04	1.01E-08	1.84E-06	1.74E-06	2.44E-04	1.13E-04	4.14E-03	1.38E-04	6.39E-05	4.46E-03	1.08E-04	8.25E-09	1.84E-06	1.74E-06	1.11E-04
2306	494511.06	3860001.99	2.39E-04	9.92E-09	1.85E-06	1.73E-06	2.43E-04	1.13E-04	4.09E-03	1.38E-04	6.36E-05	4.40E-03	1.07E-04	8.14E-09	1.85E-06	1.73E-06	1.11E-04
2307	494561.06	3860001.99	2.38E-04	1.00E-08	1.84E-06	1.72E-06	2.42E-04	1.12E-04	4.12E-03	1.38E-04	6.30E-05	4.44E-03	1.07E-04	8.22E-09	1.84E-06	1.72E-06	1.11E-04
2308	494611.06	3860001.99	2.38E-04	9.86E-09	1.84E-06	1.71E-06	2.41E-04	1.12E-04	4.06E-03	1.38E-04	6.26E-05	4.38E-03	1.07E-04	8.10E-09	1.84E-06	1.71E-06	1.10E-04
2309	494661.06	3860001.99	2.37E-04	9.78E-09	1.85E-06	1.70E-06	2.40E-04	1.12E-04	4.03E-03	1.39E-04	6.22E-05	4.34E-03	1.06E-04	8.03E-09	1.85E-06	1.70E-06	1.10E-04
2310	494711.06	3860001.99	2.35E-04	9.51E-09	1.87E-06	1.69E-06	2.39E-04	1.11E-04	3.92E-03	1.40E-04	6.21E-05	4.23E-03	1.05E-04	7.81E-09	1.87E-06	1.69E-06	1.09E-04
2311	494761.06	3860001.99	2.35E-04	9.52E-09	1.87E-06	1.68E-06	2.39E-04	1.11E-04	3.92E-03	1.40E-04	6.16E-05	4.24E-03	1.05E-04	7.81E-09	1.87E-06	1.68E-06	1.09E-04
2312	494811.06	3860001.99	2.34E-04	9.45E-09	1.87E-06	1.67E-06	2.38E-04	1.10E-04	3.89E-03	1.40E-04	6.12E-05	4.21E-03	1.05E-04	7.76E-09	1.87E-06	1.67E-06	1.09E-04
2313	494861.06	3860001.99	2.34E-04	9.40E-09	1.87E-06	1.66E-06	2.37E-04	1.10E-04	3.87E-03	1.40E-04	6.08E-05	4.18E-03	1.05E-04	7.71E-09	1.87E-06	1.66E-06	1.08E-04
2314	494911.06	3860001.99	2.32E-04	9.16E-09	1.89E-06	1.65E-06	2.35E-04	1.09E-04	3.77E-03	1.42E-04	6.07E-05	4.09E-03	1.04E-04	7.52E-09	1.89E-06	1.65E-06	1.07E-04

2315	494961.06	3860001.99	2.31E-04	9.10E-09	1.89E-06	1.64E-06	2.34E-04	1.09E-04	3.75E-03	1.42E-04	6.03E-05	4.06E-03	1.04E-04	7.47E-09	1.89E-06	1.64E-06	1.07E-04
2316	495011.06	3860001.99	2.30E-04	8.98E-09	1.90E-06	1.64E-06	2.33E-04	1.08E-04	3.70E-03	1.43E-04	6.00E-05	4.01E-03	1.03E-04	7.37E-09	1.90E-06	1.64E-06	1.07E-04
2317	495061.06	3860001.99	2.29E-04	8.93E-09	1.91E-06	1.63E-06	2.33E-04	1.08E-04	3.68E-03	1.43E-04	5.96E-05	3.99E-03	1.03E-04	7.33E-09	1.91E-06	1.63E-06	1.06E-04
2318	495111.06	3860001.99	2.28E-04	8.81E-09	1.92E-06	1.62E-06	2.32E-04	1.08E-04	3.63E-03	1.44E-04	5.94E-05	3.94E-03	1.02E-04	7.23E-09	1.92E-06	1.62E-06	1.06E-04
2319	495161.06	3860001.99	2.27E-04	8.69E-09	1.93E-06	1.61E-06	2.31E-04	1.07E-04	3.58E-03	1.45E-04	5.91E-05	3.89E-03	1.02E-04	7.13E-09	1.93E-06	1.61E-06	1.06E-04
2320	495211.06	3860001.99	2.27E-04	8.63E-09	1.93E-06	1.60E-06	2.30E-04	1.07E-04	3.55E-03	1.45E-04	5.88E-05	3.86E-03	1.02E-04	7.08E-09	1.93E-06	1.60E-06	1.05E-04
2321	495261.06	3860001.99	2.26E-04	8.52E-09	1.94E-06	1.60E-06	2.29E-04	1.07E-04	3.51E-03	1.45E-04	5.85E-05	3.82E-03	1.01E-04	6.99E-09	1.94E-06	1.60E-06	1.05E-04
2322	495311.06	3860001.99	2.25E-04	8.44E-09	1.94E-06	1.59E-06	2.29E-04	1.06E-04	3.48E-03	1.46E-04	5.82E-05	3.79E-03	1.01E-04	6.92E-09	1.94E-06	1.59E-06	1.05E-04
2323	495361.06	3860001.99	2.24E-04	8.28E-09	1.96E-06	1.58E-06	2.28E-04	1.06E-04	3.41E-03	1.47E-04	5.80E-05	3.72E-03	1.01E-04	6.80E-09	1.96E-06	1.58E-06	1.04E-04
2324	495411.06	3860001.99	2.24E-04	8.24E-09	1.96E-06	1.57E-06	2.27E-04	1.05E-04	3.40E-03	1.47E-04	5.77E-05	3.71E-03	1.00E-04	6.76E-09	1.96E-06	1.57E-06	1.04E-04
2325	495461.06	3860001.99	2.23E-04	8.15E-09	1.97E-06	1.57E-06	2.26E-04	1.05E-04	3.36E-03	1.48E-04	5.74E-05	3.67E-03	9.99E-05	6.69E-09	1.97E-06	1.57E-06	1.03E-04
2326	495511.06	3860001.99	2.22E-04	8.06E-09	1.98E-06	1.56E-06	2.26E-04	1.05E-04	3.32E-03	1.48E-04	5.72E-05	3.63E-03	9.96E-05	6.61E-09	1.98E-06	1.56E-06	1.03E-04
2327	495561.06	3860001.99	2.22E-04	8.00E-09	1.98E-06	1.55E-06	2.25E-04	1.04E-04	3.30E-03	1.48E-04	5.69E-05	3.61E-03	9.94E-05	6.57E-09	1.98E-06	1.55E-06	1.03E-04
2328	495611.06	3860001.99	2.21E-04	7.89E-09	1.99E-06	1.54E-06	2.24E-04	1.04E-04	3.25E-03	1.49E-04	5.66E-05	3.56E-03	9.90E-05	6.47E-09	1.99E-06	1.54E-06	1.03E-04
2329	495661.06	3860001.99	2.20E-04	7.78E-09	2.00E-06	1.54E-06	2.23E-04	1.04E-04	3.21E-03	1.50E-04	5.64E-05	3.52E-03	9.86E-05	6.39E-09	2.00E-06	1.54E-06	1.02E-04
2330	494411.06	3860051.99	2.38E-04	1.02E-08	1.76E-06	1.71E-06	2.41E-04	1.12E-04	4.21E-03	1.32E-04	6.27E-05	4.51E-03	1.07E-04	8.38E-09	1.76E-06	1.71E-06	1.10E-04
2331	494461.06	3860051.99	2.37E-04	1.01E-08	1.77E-06	1.70E-06	2.40E-04	1.12E-04	4.16E-03	1.32E-04	6.24E-05	4.47E-03	1.06E-04	8.28E-09	1.77E-06	1.70E-06	1.10E-04
2332	494511.06	3860051.99	2.36E-04	9.99E-09	1.77E-06	1.69E-06	2.39E-04	1.11E-04	4.11E-03	1.33E-04	6.20E-05	4.42E-03	1.06E-04	8.20E-09	1.77E-06	1.69E-06	1.09E-04
2333	494561.06	3860051.99	2.35E-04	9.99E-09	1.77E-06	1.68E-06	2.39E-04	1.11E-04	4.11E-03	1.33E-04	6.15E-05	4.42E-03	1.05E-04	8.20E-09	1.77E-06	1.68E-06	1.09E-04
2334	494611.06	3860051.99	2.34E-04	9.92E-09	1.77E-06	1.67E-06	2.38E-04	1.10E-04	4.09E-03	1.33E-04	6.11E-05	4.39E-03	1.05E-04	8.14E-09	1.77E-06	1.67E-06	1.09E-04
2335	494661.06	3860051.99	2.33E-04	9.84E-09	1.77E-06	1.66E-06	2.37E-04	1.10E-04	4.05E-03	1.33E-04	6.07E-05	4.36E-03	1.05E-04	8.07E-09	1.77E-06	1.66E-06	1.08E-04
2336	494711.06	3860051.99	2.33E-04	9.66E-09	1.79E-06	1.65E-06	2.36E-04	1.10E-04	3.98E-03	1.34E-04	6.05E-05	4.28E-03	1.04E-04	7.93E-09	1.79E-06	1.65E-06	1.08E-04
2337	494761.06	3860051.99	2.32E-04	9.59E-09	1.79E-06	1.64E-06	2.35E-04	1.09E-04	3.95E-03	1.34E-04	6.01E-05	4.25E-03	1.04E-04	7.87E-09	1.79E-06	1.64E-06	1.07E-04
2338	494811.06	3860051.99	2.31E-04	9.55E-09	1.79E-06	1.63E-06	2.34E-04	1.09E-04	3.93E-03	1.34E-04	5.97E-05	4.24E-03	1.04E-04	7.84E-09	1.79E-06	1.63E-06	1.07E-04
2339	494861.06	3860051.99	2.30E-04	9.50E-09	1.79E-06	1.62E-06	2.34E-04	1.09E-04	3.92E-03	1.34E-04	5.93E-05	4.22E-03	1.03E-04	7.80E-09	1.79E-06	1.62E-06	1.07E-04
2340	494911.06	3860051.99	2.29E-04	9.36E-09	1.80E-06	1.61E-06	2.33E-04	1.08E-04	3.86E-03	1.35E-04	5.90E-05	4.16E-03	1.03E-04	7.68E-09	1.80E-06	1.61E-06	1.06E-04
2341	494961.06	3860051.99	2.29E-04	9.21E-09	1.81E-06	1.60E-06	2.32E-04	1.08E-04	3.80E-03	1.36E-04	5.88E-05	4.10E-03	1.03E-04	7.56E-09	1.81E-06	1.60E-06	1.06E-04
2342	495011.06	3860051.99	2.28E-04	9.08E-09	1.82E-06	1.60E-06	2.31E-04	1.07E-04	3.74E-03	1.36E-04	5.85E-05	4.04E-03	1.02E-04	7.45E-09	1.82E-06	1.60E-06	1.06E-04
2343	495061.06	3860051.99	2.27E-04	8.98E-09	1.83E-06	1.59E-06	2.30E-04	1.07E-04	3.70E-03	1.37E-04	5.82E-05	4.00E-03	1.02E-04	7.37E-09	1.83E-06	1.59E-06	1.05E-04
2344	495111.06	3860051.99	2.26E-04	8.84E-09	1.84E-06	1.58E-06	2.30E-04	1.07E-04	3.64E-03	1.38E-04	5.80E-05	3.95E-03	1.01E-04	7.26E-09	1.84E-06	1.58E-06	1.05E-04
2345	495161.06	3860051.99	2.25E-04	8.75E-09	1.84E-06	1.57E-06	2.28E-04	1.06E-04	3.60E-03	1.38E-04	5.77E-05	3.91E-03	1.01E-04	7.18E-09	1.84E-06	1.57E-06	1.04E-04
2346	495211.06	3860051.99	2.24E-04	8.63E-09	1.85E-06	1.57E-06	2.27E-04	1.06E-04	3.56E-03	1.39E-04	5.75E-05	3.86E-03	1.00E-04	7.09E-09	1.85E-06	1.57E-06	1.04E-04
2347	495261.06	3860051.99	2.23E-04	8.56E-09	1.86E-06	1.56E-06	2.26E-04	1.05E-04	3.53E-03	1.39E-04	5.71E-05	3.83E-03	1.00E-04	7.02E-09	1.86E-06	1.56E-06	1.03E-04
2348	495311.06	3860051.99	2.22E-04	8.49E-09	1.86E-06	1.55E-06	2.26E-04	1.05E-04	3.50E-03	1.40E-04	5.68E-05	3.80E-03	9.97E-05	6.97E-09	1.86E-06	1.55E-06	1.03E-04
2349	495361.06	3860051.99	2.22E-04	8.41E-09	1.87E-06	1.54E-06	2.25E-04	1.05E-04	3.47E-03	1.40E-04	5.66E-05	3.77E-03	9.94E-05	6.90E-09	1.87E-06	1.54E-06	1.03E-04
2350	495411.06	3860051.99	2.21E-04	8.33E-09	1.87E-06	1.54E-06	2.24E-04	1.04E-04	3.43E-03	1.41E-04	5.63E-05	3.73E-03	9.91E-05	6.83E-09	1.87E-06	1.54E-06	1.02E-04
2351	495461.06	3860051.99	2.20E-04	8.23E-09	1.88E-06	1.53E-06	2.24E-04	1.04E-04	3.39E-03	1.41E-04	5.61E-05	3.69E-03	9.87E-05	6.75E-09	1.88E-06	1.53E-06	1.02E-04
2352	495511.06	3860051.99	2.19E-04	8.16E-09	1.89E-06	1.52E-06	2.23E-04	1.03E-04	3.36E-03	1.41E-04	5.58E-05	3.66E-03	9.84E-05	6.69E-09	1.89E-06	1.52E-06	1.02E-04
2353	495561.06	3860051.99	2.19E-04	8.07E-09	1.89E-06	1.51E-06	2.22E-04	1.03E-04	3.33E-03	1.42E-04	5.55E-05	3.63E-03	9.81E-05	6.62E-09	1.89E-06	1.51E-06	1.02E-04
2354	495611.06	3860051.99	2.18E-04	7.97E-09	1.90E-06	1.51E-06	2.21E-04	1.03E-04	3.28E-03	1.43E-04	5.53E-05	3.59E-03	9.78E-05	6.54E-09	1.90E-06	1.51E-06	1.01E-04
2355	495661.06	3860051.99	2.17E-04	7.85E-09	1.92E-06	1.50E-06	2.21E-04	1.02E-04	3.24E-03	1.44E-04	5.52E-05	3.54E-03	9.74E-05	6.44E-09	1.92E-06	1.50E-06	1.01E-04
2356	494411.06	3860101.99	2.34E-04	1.02E-08	1.70E-06	1.67E-06	2.38E-04	1.11E-04	4.19E-03	1.28E-04	6.13E-05	4.49E-03	1.05E-04	8.34E-09	1.70E-06	1.67E-06	1.08E-04
2357	494461.06	3860101.99	2.34E-04	1.01E-08	1.70E-06	1.66E-06	2.37E-04	1.10E-04	4.18E-03	1.28E-04	6.08E-05	4.48E-03	1.05E-04	8.32E-09	1.70E-06	1.66E-06	1.08E-04
2358	494511.06	3860101.99	2.33E-04	9.98E-09	1.71E-06	1.65E-06	2.36E-04	1.10E-04	4.11E-03	1.28E-04	6.05E-05	4.41E-03	1.04E-04	8.19E-09	1.71E-06	1.65E-06	1.08E-04
2359	494561.06	3860101.99	2.32E-04	9.93E-09	1.71E-06	1.64E-06	2.35E-04	1.09E-04	4.09E-03	1.28E-04	6.01E-05	4.39E-03	1.04E-04	8.15E-09	1.71E-06	1.64E-06	1.07E-04
2360	494611.06	3860101.99	2.31E-04	9.92E-09	1.71E-06	1.63E-06	2.34E-04	1.09E-04	4.09E-03	1.28E-04	5.96E-05	4.38E-03	1.04E-04	8.14E-09	1.71E-06	1.63E-06	1.07E-04
2361	494661.06	3860101.99	2.30E-04	9.85E-09	1.71E-06	1.62E-06	2.33E-04	1.09E-04	4.06E-03	1.28E-04	5.93E-05	4.35E-03	1.03E-04	8.08E-09	1.71E-06	1.62E-06	1.07E-04
2362	494711.06	3860101.99	2.29E-04	9.70E-09	1.72E-06	1.61E-06	2.33E-04	1.08E-04	4.00E-03	1.29E-04	5.90E-05	4.29E-03	1.03E-04	7.96E-09	1.72E-06	1.61E-06	1.06E-04
2363	494761.06	3860101.99	2.29E-04	9.62E-09	1.72E-06	1.60E-06	2.32E-04	1.08E-04	3.96E-03	1.29E-04	5.86E-05	4.26E-03	1.02E-04	7.90E-09	1.72E-06	1.60E-06	1.06E-04
2364	494811.06	3860101.99	2.28E-04	9.55E-09	1.72E-06	1.59E-06	2.31E-04	1.07E-04	3.94E-03	1.29E-04	5.83E-05	4.23E-03	1.02E-04	7.84E-09	1.72E-06	1.59E-06	1.05E-04
2365	494861.06	3860101.99	2.27E-04	9.60E-09	1.72E-06	1.58E-06	2.30E-04	1.07E-04	3.95E-03	1.29E-04	5.78E-05	4.25E-03	1.02E-04	7.88E-09	1.72E-06	1.58E-06	1.05E-04
2366	494911.06	3860101.99	2.26E-04	9.33E-09	1.74E-06	1.57E-06	2.29E-04	1.07E-04	3.84E-03	1.30E-04	5.77E-05	4.14E-03	1.01E-04	7.65E-09	1.74E-06	1.57E-06	1.05E-04
2367	494961.06	3860101.99	2.25E-04	9.24E-09	1.74E-06	1.57E-06	2.29E-04	1.06E-04	3.81E-03	1.31E-04	5.74E-05	4.10E-03	1.01E-04	7.59E-09	1.74E-06	1.57E-06	1.04E-04
2368	495011.06	3860101.99	2.25E-04	9.12E-09	1.75E-06	1.56E-06	2.28E-04	1.06E-04	3.76E-03	1.31E-04	5.71E-05	4.05E-03	1.01E-04	7.48E-09	1.75E-06	1.56E-06	1.04E-04
2369	495061.06	3860101.99	2.24E-04	9.01E-09	1.76E-06	1.55E-06	2.27E-04	1.06E-04	3.71E-03	1.32E-04	5.69E-05	4.00E-03	1.00E-04	7.39E-09	1.76E-06	1.55E-06	1.04E-04
2370	495111.06	3860101.99	2.23E-04	8.87E-09	1.77E-06	1.54E-06	2.26E-04	1.05E-04	3.65E-03	1.32E-04	5.66E-05	3.95E-03	1.00E-04	7.28E-09	1.77E-06	1.54E-06	1.03E-04
2371	495161.06	3860101.99	2.22E-04	8.79E-09	1.77E-06	1.54E-06	2.26E-04	1.05E-04	3.62E-03	1.33E-04	5.63E-05	3.92E-03	9.97E-05	7.22E-09	1.77E-06	1.54E-06	1.03E-04
2372	495211.06	3860101.99	2.22E-04	8.70E-09	1.78E-06	1.53E-06	2.25E-04	1.05E-04	3.58E-03	1.33E-04	5.61E-05	3.88E-03	9.94E-05	7.14E-09	1.78E-06	1.53E-06	1.03E-04
2373	495261.06	3860101.99	2.21E-04	8.61E-09	1.78E-06	1.52E-06	2.24E-04	1.04E-04	3.55E-03	1.34E-04	5.58E-05	3.84E-03	9.91E-05	7.06E-09	1.78E-06	1.52E-06	1.02E-04
2374	495311.06	3860101.99	2.20E-04	8.52E-09	1.79E-06	1.51E-06	2.23E-04	1.04E-04	3.51E-03	1.34E-04	5.55E-05	3.81E-03	9.87E-05	7.00E-09	1.79E-06	1.51E-06	1.02E-04
2375	495361.06	3860101.99	2.19E-04	8.46E-09	1.79E-06	1.51E-06	2.23E-04	1.04E-04	3.49E-03	1.34E-04	5.52E-05	3.78E-03	9.84E-05	6.95E-09	1.79E-06	1.51E-06	1.02E-04

2376	495411.06	3860101.99	2.19E-04	8.37E-09	1.80E-06	1.50E-06	2.22E-04	1.03E-04	3.45E-03	1.35E-04	5.50E-05	3.74E-03	9.81E-05	6.87E-09	1.80E-06	1.50E-06	1.01E-04
2377	495461.06	3860101.99	2.17E-04	8.25E-09	1.81E-06	1.49E-06	2.21E-04	1.02E-04	3.40E-03	1.36E-04	5.48E-05	3.69E-03	9.74E-05	6.77E-09	1.81E-06	1.49E-06	1.01E-04
2378	495511.06	3860101.99	2.17E-04	8.19E-09	1.81E-06	1.49E-06	2.20E-04	1.02E-04	3.37E-03	1.36E-04	5.45E-05	3.67E-03	9.72E-05	6.72E-09	1.81E-06	1.49E-06	1.00E-04
2379	495561.06	3860101.99	2.16E-04	8.13E-09	1.81E-06	1.48E-06	2.19E-04	1.02E-04	3.35E-03	1.36E-04	5.42E-05	3.64E-03	9.69E-05	6.67E-09	1.81E-06	1.48E-06	1.00E-04
2380	495611.06	3860101.99	2.15E-04	8.01E-09	1.83E-06	1.47E-06	2.18E-04	1.01E-04	3.30E-03	1.37E-04	5.41E-05	3.59E-03	9.65E-05	6.57E-09	1.83E-06	1.47E-06	9.98E-05
2381	495661.06	3860101.99	2.14E-04	7.93E-09	1.83E-06	1.47E-06	2.18E-04	1.01E-04	3.27E-03	1.37E-04	5.38E-05	3.56E-03	9.62E-05	6.51E-09	1.83E-06	1.47E-06	9.95E-05
2382	494861.06	3860151.99	2.23E-04	9.65E-09	1.67E-06	1.54E-06	2.26E-04	1.05E-04	3.98E-03	1.25E-04	5.65E-05	4.26E-03	1.00E-04	7.92E-09	1.67E-06	1.54E-06	1.03E-04
2383	494911.06	3860151.99	2.23E-04	9.38E-09	1.67E-06	1.54E-06	2.26E-04	1.05E-04	3.86E-03	1.26E-04	5.63E-05	4.15E-03	9.99E-05	7.70E-09	1.67E-06	1.54E-06	1.03E-04
2384	494961.06	3860151.99	2.22E-04	9.27E-09	1.68E-06	1.53E-06	2.25E-04	1.05E-04	3.82E-03	1.26E-04	5.60E-05	4.10E-03	9.96E-05	7.61E-09	1.68E-06	1.53E-06	1.03E-04
2385	495011.06	3860151.99	2.21E-04	9.15E-09	1.68E-06	1.52E-06	2.25E-04	1.04E-04	3.77E-03	1.26E-04	5.58E-05	4.06E-03	9.93E-05	7.51E-09	1.68E-06	1.52E-06	1.03E-04
2386	495061.06	3860151.99	2.21E-04	9.03E-09	1.69E-06	1.51E-06	2.24E-04	1.04E-04	3.72E-03	1.27E-04	5.55E-05	4.01E-03	9.90E-05	7.41E-09	1.69E-06	1.51E-06	1.02E-04
2387	495111.06	3860151.99	2.20E-04	8.93E-09	1.69E-06	1.51E-06	2.23E-04	1.04E-04	3.68E-03	1.27E-04	5.53E-05	3.97E-03	9.86E-05	7.33E-09	1.69E-06	1.51E-06	1.02E-04
2388	495161.06	3860151.99	2.19E-04	8.84E-09	1.70E-06	1.50E-06	2.22E-04	1.03E-04	3.64E-03	1.28E-04	5.50E-05	3.93E-03	9.83E-05	7.26E-09	1.70E-06	1.50E-06	1.02E-04
2389	495211.06	3860151.99	2.19E-04	8.75E-09	1.71E-06	1.49E-06	2.22E-04	1.03E-04	3.60E-03	1.28E-04	5.47E-05	3.89E-03	9.80E-05	7.18E-09	1.71E-06	1.49E-06	1.01E-04
2390	495261.06	3860151.99	2.18E-04	8.66E-09	1.71E-06	1.49E-06	2.21E-04	1.03E-04	3.57E-03	1.28E-04	5.45E-05	3.85E-03	9.77E-05	7.11E-09	1.71E-06	1.49E-06	1.01E-04
2391	495311.06	3860151.99	2.17E-04	8.58E-09	1.72E-06	1.48E-06	2.20E-04	1.02E-04	3.54E-03	1.29E-04	5.42E-05	3.82E-03	9.74E-05	7.04E-09	1.72E-06	1.48E-06	1.01E-04
2392	495361.06	3860151.99	2.16E-04	8.50E-09	1.72E-06	1.47E-06	2.20E-04	1.02E-04	3.50E-03	1.29E-04	5.39E-05	3.79E-03	9.71E-05	6.98E-09	1.72E-06	1.47E-06	1.00E-04
2393	495411.06	3860151.99	2.16E-04	8.42E-09	1.73E-06	1.46E-06	2.19E-04	1.02E-04	3.47E-03	1.29E-04	5.37E-05	3.75E-03	9.68E-05	6.91E-09	1.73E-06	1.46E-06	1.00E-04
2394	495461.06	3860151.99	2.15E-04	8.33E-09	1.73E-06	1.46E-06	2.18E-04	1.01E-04	3.43E-03	1.30E-04	5.35E-05	3.72E-03	9.65E-05	6.84E-09	1.73E-06	1.46E-06	9.96E-05
2395	495511.06	3860151.99	2.14E-04	8.23E-09	1.74E-06	1.45E-06	2.18E-04	1.01E-04	3.39E-03	1.30E-04	5.32E-05	3.68E-03	9.61E-05	6.76E-09	1.74E-06	1.45E-06	9.93E-05
2396	495561.06	3860151.99	2.14E-04	8.16E-09	1.74E-06	1.45E-06	2.17E-04	1.01E-04	3.36E-03	1.31E-04	5.30E-05	3.65E-03	9.59E-05	6.70E-09	1.74E-06	1.45E-06	9.91E-05
2397	495611.06	3860151.99	2.13E-04	8.07E-09	1.75E-06	1.44E-06	2.16E-04	1.01E-04	3.32E-03	1.31E-04	5.28E-05	3.61E-03	9.56E-05	6.62E-09	1.75E-06	1.44E-06	9.88E-05
2398	495661.06	3860151.99	2.12E-04	7.97E-09	1.76E-06	1.43E-06	2.16E-04	1.00E-04	3.28E-03	1.32E-04	5.26E-05	3.57E-03	9.53E-05	6.54E-09	1.76E-06	1.43E-06	9.85E-05
2399	495718.25	3859442.96	2.35E-04	6.34E-09	2.81E-06	1.80E-06	2.40E-04	1.11E-04	2.61E-03	2.11E-04	6.61E-05	3.00E-03	1.05E-04	5.20E-09	2.81E-06	1.80E-06	1.10E-04
2400	495818.25	3859442.96	2.32E-04	6.18E-09	2.79E-06	1.77E-06	2.36E-04	1.09E-04	2.54E-03	2.09E-04	6.50E-05	2.93E-03	1.04E-04	5.07E-09	2.79E-06	1.77E-06	1.08E-04
2401	495918.25	3859442.96	2.29E-04	6.05E-09	2.76E-06	1.75E-06	2.34E-04	1.08E-04	2.49E-03	2.07E-04	6.40E-05	2.87E-03	1.03E-04	4.97E-09	2.76E-06	1.75E-06	1.07E-04
2402	496018.25	3859442.96	2.27E-04	5.95E-09	2.75E-06	1.72E-06	2.32E-04	1.07E-04	2.45E-03	2.06E-04	6.31E-05	2.83E-03	1.02E-04	4.88E-09	2.75E-06	1.72E-06	1.06E-04
2403	496118.25	3859442.96	2.29E-04	5.97E-09	2.75E-06	1.71E-06	2.33E-04	1.08E-04	2.46E-03	2.06E-04	6.28E-05	2.84E-03	1.03E-04	4.90E-09	2.75E-06	1.71E-06	1.07E-04
2404	496218.25	3859442.96	2.29E-04	5.97E-09	2.75E-06	1.70E-06	2.34E-04	1.08E-04	2.46E-03	2.06E-04	6.24E-05	2.84E-03	1.03E-04	4.90E-09	2.75E-06	1.70E-06	1.07E-04
2405	496318.25	3859442.96	2.28E-04	5.88E-09	2.74E-06	1.68E-06	2.32E-04	1.07E-04	2.42E-03	2.05E-04	6.17E-05	2.80E-03	1.02E-04	4.83E-09	2.74E-06	1.68E-06	1.07E-04
2406	496418.25	3859442.96	2.26E-04	5.79E-09	2.72E-06	1.66E-06	2.31E-04	1.07E-04	2.38E-03	2.04E-04	6.08E-05	2.76E-03	1.01E-04	4.75E-09	2.72E-06	1.66E-06	1.06E-04
2407	495718.25	3859542.96	2.35E-04	6.62E-09	2.71E-06	1.78E-06	2.40E-04	1.11E-04	2.73E-03	2.04E-04	6.54E-05	3.11E-03	1.05E-04	5.43E-09	2.71E-06	1.78E-06	1.10E-04
2408	495818.25	3859542.96	2.33E-04	6.48E-09	2.69E-06	1.76E-06	2.37E-04	1.10E-04	2.67E-03	2.02E-04	6.44E-05	3.05E-03	1.04E-04	5.32E-09	2.69E-06	1.76E-06	1.09E-04
2409	495918.25	3859542.96	2.30E-04	6.33E-09	2.67E-06	1.73E-06	2.34E-04	1.08E-04	2.61E-03	2.00E-04	6.34E-05	2.98E-03	1.03E-04	5.19E-09	2.67E-06	1.73E-06	1.08E-04
2410	496018.25	3859542.96	2.27E-04	6.19E-09	2.65E-06	1.70E-06	2.32E-04	1.07E-04	2.55E-03	1.99E-04	6.25E-05	2.92E-03	1.02E-04	5.08E-09	2.65E-06	1.70E-06	1.06E-04
2411	496118.25	3859542.96	2.28E-04	6.21E-09	2.64E-06	1.69E-06	2.32E-04	1.08E-04	2.56E-03	1.98E-04	6.21E-05	2.93E-03	1.02E-04	5.10E-09	2.64E-06	1.69E-06	1.07E-04
2412	496218.25	3859542.96	2.28E-04	6.19E-09	2.63E-06	1.68E-06	2.32E-04	1.07E-04	2.55E-03	1.97E-04	6.16E-05	2.92E-03	1.02E-04	5.08E-09	2.63E-06	1.68E-06	1.07E-04
2413	496318.25	3859542.96	2.27E-04	6.14E-09	2.62E-06	1.66E-06	2.31E-04	1.07E-04	2.53E-03	1.96E-04	6.10E-05	2.89E-03	1.02E-04	5.04E-09	2.62E-06	1.66E-06	1.06E-04
2414	496418.25	3859542.96	2.25E-04	6.01E-09	2.60E-06	1.64E-06	2.29E-04	1.06E-04	2.47E-03	1.95E-04	6.01E-05	2.84E-03	1.01E-04	4.93E-09	2.60E-06	1.64E-06	1.05E-04
2415	495718.25	3859642.96	2.33E-04	6.86E-09	2.60E-06	1.75E-06	2.38E-04	1.10E-04	2.82E-03	1.95E-04	6.40E-05	3.19E-03	1.05E-04	5.63E-09	2.60E-06	1.75E-06	1.09E-04
2416	495818.25	3859642.96	2.31E-04	6.69E-09	2.59E-06	1.72E-06	2.35E-04	1.09E-04	2.76E-03	1.94E-04	6.31E-05	3.12E-03	1.04E-04	5.49E-09	2.59E-06	1.72E-06	1.08E-04
2417	495918.25	3859642.96	2.29E-04	6.58E-09	2.57E-06	1.70E-06	2.33E-04	1.08E-04	2.71E-03	1.93E-04	6.24E-05	3.08E-03	1.03E-04	5.40E-09	2.57E-06	1.70E-06	1.07E-04
2418	496018.25	3859642.96	2.27E-04	6.44E-09	2.56E-06	1.68E-06	2.31E-04	1.07E-04	2.65E-03	1.92E-04	6.15E-05	3.01E-03	1.02E-04	5.29E-09	2.56E-06	1.68E-06	1.06E-04
2419	496118.25	3859642.96	2.27E-04	6.48E-09	2.53E-06	1.67E-06	2.31E-04	1.07E-04	2.67E-03	1.90E-04	6.11E-05	3.03E-03	1.02E-04	5.32E-09	2.53E-06	1.67E-06	1.06E-04
2420	496218.25	3859642.96	2.27E-04	6.47E-09	2.51E-06	1.65E-06	2.31E-04	1.07E-04	2.67E-03	1.88E-04	6.06E-05	3.02E-03	1.02E-04	5.31E-09	2.51E-06	1.65E-06	1.06E-04
2421	496318.25	3859642.96	2.25E-04	6.36E-09	2.50E-06	1.63E-06	2.29E-04	1.06E-04	2.62E-03	1.88E-04	5.99E-05	2.97E-03	1.01E-04	5.22E-09	2.50E-06	1.63E-06	1.05E-04
2422	496418.25	3859642.96	2.19E-04	6.00E-09	2.49E-06	1.60E-06	2.23E-04	1.03E-04	2.47E-03	1.87E-04	5.85E-05	2.82E-03	9.82E-05	4.93E-09	2.49E-06	1.60E-06	1.02E-04
2423	495718.25	3859742.96	2.31E-04	7.16E-09	2.46E-06	1.70E-06	2.36E-04	1.09E-04	2.95E-03	1.84E-04	6.23E-05	3.31E-03	1.04E-04	5.88E-09	2.46E-06	1.70E-06	1.08E-04
2424	495818.25	3859742.96	2.29E-04	6.96E-09	2.46E-06	1.68E-06	2.33E-04	1.08E-04	2.87E-03	1.85E-04	6.15E-05	3.22E-03	1.03E-04	5.72E-09	2.46E-06	1.68E-06	1.07E-04
2425	495918.25	3859742.96	2.27E-04	6.82E-09	2.45E-06	1.66E-06	2.31E-04	1.07E-04	2.81E-03	1.84E-04	6.08E-05	3.16E-03	1.02E-04	5.60E-09	2.45E-06	1.66E-06	1.06E-04
2426	496018.25	3859742.96	2.25E-04	6.67E-09	2.45E-06	1.64E-06	2.29E-04	1.06E-04	2.75E-03	1.83E-04	6.01E-05	3.10E-03	1.01E-04	5.47E-09	2.45E-06	1.64E-06	1.05E-04
2427	496118.25	3859742.96	2.24E-04	6.68E-09	2.42E-06	1.62E-06	2.28E-04	1.06E-04	2.75E-03	1.81E-04	5.95E-05	3.10E-03	1.01E-04	5.48E-09	2.42E-06	1.62E-06	1.05E-04
2428	496218.25	3859742.96	2.24E-04	6.72E-09	2.38E-06	1.61E-06	2.28E-04	1.06E-04	2.77E-03	1.79E-04	5.90E-05	3.11E-03	1.01E-04	5.52E-09	2.38E-06	1.61E-06	1.05E-04
2429	496318.25	3859742.96	2.20E-04	6.40E-09	2.40E-06	1.59E-06	2.24E-04	1.04E-04	2.64E-03	1.80E-04	5.82E-05	2.98E-03	9.87E-05	5.25E-09	2.40E-06	1.59E-06	1.03E-04
2430	496418.25	3859742.96	2.16E-04	6.12E-09	2.41E-06	1.57E-06	2.20E-04	1.02E-04	2.52E-03	1.81E-04	5.74E-05	2.86E-03	9.69E-05	5.02E-09	2.41E-06	1.57E-06	1.01E-04
2431	495718.25	3859842.96	2.27E-04	7.40E-09	2.29E-06	1.64E-06	2.31E-04	1.07E-04	3.05E-03	1.72E-04	6.01E-05	3.39E-03	1.02E-04	6.08E-09	2.29E-06	1.64E-06	1.06E-04
2432	495818.25	3859842.96	2.26E-04	7.24E-09	2.29E-06	1.62E-06	2.30E-04	1.06E-04	2.98E-03	1.72E-04	5.95E-05	3.32E-03	1.01E-04	5.94E-09	2.29E-06	1.62E-06	1.05E-04
2433	495918.25	3859842.96	2.24E-04	7.08E-09	2.30E-06	1.61E-06	2.28E-04	1.06E-04	2.92E-03	1.72E-04	5.89E-05	3.25E-03	1.00E-04	5.81E-09	2.30E-06	1.61E-06	1.04E-04
2434	496018.25	3859842.96	2.22E-04	6.98E-09	2.29E-06	1.59E-06	2.26E-04	1.05E-04	2.88E-03	1.72E-04	5.83E-05	3.21E-03	9.97E-05	5.73E-09	2.29E-06	1.59E-06	1.04E-04
2435	496118.25	3859842.96	2.22E-04	7.04E-09	2.24E-06	1.57E-06	2.26E-04	1.05E-04	2.90E-03	1.68E-04	5.77E-05	3.23E-03	9.97E-05	5.78E-09	2.24E-06	1.57E-06	1.04E-04
2436	496218.25	3859842.96	2.19E-04	6.72E-09	2.28E-06	1.56E-06	2.23E-04	1.03E-04	2.77E-03	1.71E-04	5.71E-05	3.10E-03	9.82E-05	5.52E-09	2.28E-06	1.56E-06	1.02E-04

2437	496318.25	3859842.96	2.12E-04	6.17E-09	2.34E-06	1.53E-06	2.16E-04	1.00E-04	2.54E-03	1.76E-04	5.60E-05	2.87E-03	9.52E-05	5.06E-09	2.34E-06	1.53E-06	9.90E-05
2438	496418.25	3859842.96	2.07E-04	5.83E-09	2.34E-06	1.49E-06	2.10E-04	9.74E-05	2.40E-03	1.75E-04	5.47E-05	2.73E-03	9.26E-05	4.78E-09	2.34E-06	1.49E-06	9.65E-05
2439	495718.25	3859942.96	2.22E-04	7.59E-09	2.11E-06	1.57E-06	2.26E-04	1.05E-04	3.13E-03	1.59E-04	5.77E-05	3.45E-03	9.97E-05	6.23E-09	2.11E-06	1.57E-06	1.03E-04
2440	495818.25	3859942.96	2.21E-04	7.42E-09	2.13E-06	1.56E-06	2.24E-04	1.04E-04	3.05E-03	1.60E-04	5.71E-05	3.38E-03	9.90E-05	6.09E-09	2.13E-06	1.56E-06	1.03E-04
2441	495918.25	3859942.96	2.19E-04	7.29E-09	2.13E-06	1.54E-06	2.23E-04	1.03E-04	3.00E-03	1.60E-04	5.66E-05	3.32E-03	9.84E-05	5.98E-09	2.13E-06	1.54E-06	1.02E-04
2442	496018.25	3859942.96	2.19E-04	7.28E-09	2.10E-06	1.53E-06	2.22E-04	1.03E-04	3.00E-03	1.58E-04	5.60E-05	3.32E-03	9.81E-05	5.97E-09	2.10E-06	1.53E-06	1.02E-04
2443	496118.25	3859942.96	2.16E-04	7.02E-09	2.14E-06	1.52E-06	2.20E-04	1.02E-04	2.89E-03	1.60E-04	5.56E-05	3.21E-03	9.71E-05	5.76E-09	2.14E-06	1.52E-06	1.01E-04
2444	496218.25	3859942.96	2.13E-04	6.63E-09	2.20E-06	1.50E-06	2.17E-04	1.00E-04	2.73E-03	1.65E-04	5.51E-05	3.05E-03	9.55E-05	5.44E-09	2.20E-06	1.50E-06	9.92E-05
2445	496318.25	3859942.96	2.09E-04	6.24E-09	2.25E-06	1.48E-06	2.12E-04	9.84E-05	2.57E-03	1.69E-04	5.44E-05	2.89E-03	9.35E-05	5.12E-09	2.25E-06	1.48E-06	9.73E-05
2446	496418.25	3859942.96	2.02E-04	5.78E-09	2.27E-06	1.45E-06	2.05E-04	9.51E-05	2.38E-03	1.70E-04	5.30E-05	2.70E-03	9.04E-05	4.74E-09	2.27E-06	1.45E-06	9.42E-05
2447	496856.82	3858864.83	2.08E-04	4.32E-09	2.90E-06	1.61E-06	2.13E-04	9.81E-05	1.78E-03	2.18E-04	5.89E-05	2.15E-03	9.33E-05	3.54E-09	2.90E-06	1.61E-06	9.78E-05
2448	496956.82	3858864.83	2.05E-04	4.24E-09	2.85E-06	1.59E-06	2.10E-04	9.69E-05	1.75E-03	2.14E-04	5.82E-05	2.12E-03	9.21E-05	3.48E-09	2.85E-06	1.59E-06	9.66E-05
2449	497056.82	3858864.83	2.03E-04	4.17E-09	2.81E-06	1.57E-06	2.07E-04	9.57E-05	1.72E-03	2.11E-04	5.75E-05	2.08E-03	9.10E-05	3.42E-09	2.81E-06	1.57E-06	9.54E-05
2450	497156.82	3858864.83	2.00E-04	4.09E-09	2.76E-06	1.55E-06	2.04E-04	9.42E-05	1.68E-03	2.07E-04	5.67E-05	2.04E-03	8.95E-05	3.35E-09	2.76E-06	1.55E-06	9.38E-05
2451	497256.82	3858864.83	1.99E-04	4.05E-09	2.74E-06	1.53E-06	2.03E-04	9.39E-05	1.67E-03	2.05E-04	5.62E-05	2.02E-03	8.93E-05	3.32E-09	2.74E-06	1.53E-06	9.36E-05
2452	496856.82	3858964.83	2.11E-04	4.49E-09	2.91E-06	1.61E-06	2.16E-04	9.97E-05	1.85E-03	2.19E-04	5.89E-05	2.23E-03	9.48E-05	3.69E-09	2.91E-06	1.61E-06	9.93E-05
2453	496956.82	3858964.83	2.07E-04	4.39E-09	2.86E-06	1.58E-06	2.12E-04	9.78E-05	1.81E-03	2.14E-04	5.80E-05	2.18E-03	9.30E-05	3.60E-09	2.86E-06	1.58E-06	9.75E-05
2454	497056.82	3858964.83	2.05E-04	4.31E-09	2.82E-06	1.56E-06	2.09E-04	9.65E-05	1.77E-03	2.11E-04	5.72E-05	2.14E-03	9.17E-05	3.53E-09	2.82E-06	1.56E-06	9.61E-05
2455	497156.82	3858964.83	2.02E-04	4.22E-09	2.77E-06	1.54E-06	2.06E-04	9.51E-05	1.74E-03	2.08E-04	5.64E-05	2.10E-03	9.04E-05	3.47E-09	2.77E-06	1.54E-06	9.47E-05
2456	497256.82	3858964.83	2.04E-04	4.24E-09	2.78E-06	1.53E-06	2.08E-04	9.61E-05	1.75E-03	2.09E-04	5.62E-05	2.11E-03	9.14E-05	3.48E-09	2.78E-06	1.53E-06	9.57E-05
2457	496856.82	3859064.83	2.11E-04	4.61E-09	2.89E-06	1.59E-06	2.16E-04	9.97E-05	1.90E-03	2.17E-04	5.84E-05	2.28E-03	9.48E-05	3.78E-09	2.89E-06	1.59E-06	9.93E-05
2458	496956.82	3859064.83	2.08E-04	4.52E-09	2.85E-06	1.57E-06	2.13E-04	9.83E-05	1.86E-03	2.13E-04	5.76E-05	2.23E-03	9.35E-05	3.71E-09	2.85E-06	1.57E-06	9.79E-05
2459	497056.82	3859064.83	2.06E-04	4.44E-09	2.81E-06	1.55E-06	2.10E-04	9.72E-05	1.83E-03	2.11E-04	5.68E-05	2.20E-03	9.24E-05	3.65E-09	2.81E-06	1.55E-06	9.68E-05
2460	497156.82	3859064.83	2.04E-04	4.38E-09	2.78E-06	1.53E-06	2.08E-04	9.62E-05	1.80E-03	2.08E-04	5.61E-05	2.16E-03	9.15E-05	3.59E-09	2.78E-06	1.53E-06	9.58E-05
2461	497256.82	3859064.83	2.08E-04	4.43E-09	2.82E-06	1.53E-06	2.12E-04	9.81E-05	1.82E-03	2.11E-04	5.61E-05	2.19E-03	9.33E-05	3.63E-09	2.82E-06	1.53E-06	9.76E-05
2462	496856.82	3859164.83	2.09E-04	4.68E-09	2.82E-06	1.57E-06	2.14E-04	9.87E-05	1.93E-03	2.11E-04	5.76E-05	2.30E-03	9.38E-05	3.84E-09	2.82E-06	1.57E-06	9.82E-05
2463	496956.82	3859164.83	2.06E-04	4.58E-09	2.77E-06	1.55E-06	2.10E-04	9.71E-05	1.89E-03	2.08E-04	5.67E-05	2.25E-03	9.24E-05	3.76E-09	2.77E-06	1.55E-06	9.67E-05
2464	497056.82	3859164.83	2.05E-04	4.53E-09	2.76E-06	1.53E-06	2.09E-04	9.67E-05	1.87E-03	2.07E-04	5.61E-05	2.23E-03	9.19E-05	3.72E-09	2.76E-06	1.53E-06	9.62E-05
2465	497156.82	3859164.83	2.07E-04	4.54E-09	2.78E-06	1.52E-06	2.11E-04	9.75E-05	1.87E-03	2.08E-04	5.59E-05	2.23E-03	9.27E-05	3.72E-09	2.78E-06	1.52E-06	9.70E-05
2466	497256.82	3859164.83	2.11E-04	4.62E-09	2.84E-06	1.53E-06	2.16E-04	9.96E-05	1.90E-03	2.13E-04	5.60E-05	2.27E-03	9.48E-05	3.79E-09	2.84E-06	1.53E-06	9.91E-05
2467	496856.82	3859264.83	2.05E-04	4.71E-09	2.70E-06	1.54E-06	2.10E-04	9.68E-05	1.94E-03	2.03E-04	5.65E-05	2.30E-03	9.21E-05	3.87E-09	2.70E-06	1.54E-06	9.63E-05
2468	496956.82	3859264.83	2.05E-04	4.68E-09	2.70E-06	1.53E-06	2.10E-04	9.68E-05	1.93E-03	2.03E-04	5.60E-05	2.28E-03	9.21E-05	3.84E-09	2.70E-06	1.53E-06	9.63E-05
2469	497056.82	3859264.83	2.07E-04	4.70E-09	2.73E-06	1.52E-06	2.11E-04	9.77E-05	1.93E-03	2.04E-04	5.58E-05	2.29E-03	9.29E-05	3.85E-09	2.73E-06	1.52E-06	9.72E-05
2470	497156.82	3859264.83	2.09E-04	4.70E-09	2.75E-06	1.51E-06	2.13E-04	9.84E-05	1.94E-03	2.06E-04	5.55E-05	2.30E-03	9.35E-05	3.86E-09	2.75E-06	1.51E-06	9.78E-05
2471	497256.82	3859264.83	2.12E-04	4.77E-09	2.79E-06	1.52E-06	2.16E-04	1.00E-04	1.96E-03	2.09E-04	5.56E-05	2.33E-03	9.51E-05	3.91E-09	2.79E-06	1.52E-06	9.94E-05
2472	497088.92	3858620.93	1.94E-04	3.76E-09	2.80E-06	1.57E-06	1.98E-04	9.14E-05	1.55E-03	2.10E-04	5.77E-05	1.91E-03	8.69E-05	3.09E-09	2.80E-06	1.57E-06	9.13E-05
2473	497138.92	3858620.93	1.94E-04	3.75E-09	2.79E-06	1.57E-06	1.98E-04	9.14E-05	1.54E-03	2.09E-04	5.75E-05	1.90E-03	8.69E-05	3.08E-09	2.79E-06	1.57E-06	9.12E-05
2474	497188.92	3858620.93	1.92E-04	3.71E-09	2.76E-06	1.56E-06	1.96E-04	9.04E-05	1.53E-03	2.07E-04	5.71E-05	1.88E-03	8.59E-05	3.05E-09	2.76E-06	1.56E-06	9.02E-05
2475	497238.92	3858620.93	1.91E-04	3.69E-09	2.75E-06	1.55E-06	1.95E-04	9.00E-05	1.52E-03	2.06E-04	5.68E-05	1.87E-03	8.56E-05	3.03E-09	2.75E-06	1.55E-06	8.99E-05
2476	497088.92	3858670.93	1.93E-04	3.80E-09	2.75E-06	1.56E-06	1.97E-04	9.08E-05	1.56E-03	2.06E-04	5.73E-05	1.92E-03	8.63E-05	3.12E-09	2.75E-06	1.56E-06	9.07E-05
2477	497138.92	3858670.93	1.94E-04	3.80E-09	2.75E-06	1.56E-06	1.98E-04	9.13E-05	1.57E-03	2.06E-04	5.72E-05	1.92E-03	8.68E-05	3.12E-09	2.75E-06	1.56E-06	9.11E-05
2478	497188.92	3858670.93	1.92E-04	3.77E-09	2.73E-06	1.55E-06	1.96E-04	9.06E-05	1.55E-03	2.05E-04	5.69E-05	1.90E-03	8.61E-05	3.09E-09	2.73E-06	1.55E-06	9.04E-05
2479	497238.92	3858670.93	1.92E-04	3.75E-09	2.72E-06	1.54E-06	1.96E-04	9.05E-05	1.55E-03	2.04E-04	5.66E-05	1.90E-03	8.61E-05	3.08E-09	2.72E-06	1.54E-06	9.04E-05
2480	497088.92	3858720.93	1.97E-04	3.91E-09	2.76E-06	1.57E-06	2.01E-04	9.27E-05	1.61E-03	2.07E-04	5.74E-05	1.97E-03	8.82E-05	3.21E-09	2.76E-06	1.57E-06	9.25E-05
2481	497138.92	3858720.93	1.92E-04	3.82E-09	2.71E-06	1.55E-06	1.96E-04	9.04E-05	1.57E-03	2.03E-04	5.68E-05	1.92E-03	8.59E-05	3.14E-09	2.71E-06	1.55E-06	9.02E-05
2482	497188.92	3858720.93	1.91E-04	3.80E-09	2.69E-06	1.54E-06	1.95E-04	9.00E-05	1.56E-03	2.02E-04	5.65E-05	1.91E-03	8.56E-05	3.11E-09	2.69E-06	1.54E-06	8.98E-05
2483	497238.92	3858720.93	1.94E-04	3.83E-09	2.72E-06	1.54E-06	1.98E-04	9.14E-05	1.58E-03	2.04E-04	5.65E-05	1.93E-03	8.70E-05	3.14E-09	2.72E-06	1.54E-06	9.12E-05
2484	497088.92	3858770.93	1.97E-04	3.96E-09	2.75E-06	1.56E-06	2.01E-04	9.29E-05	1.63E-03	2.06E-04	5.72E-05	1.99E-03	8.83E-05	3.25E-09	2.75E-06	1.56E-06	9.26E-05
2485	497138.92	3858770.93	1.95E-04	3.92E-09	2.73E-06	1.55E-06	1.99E-04	9.21E-05	1.62E-03	2.04E-04	5.68E-05	1.97E-03	8.76E-05	3.22E-09	2.73E-06	1.55E-06	9.18E-05
2486	497188.92	3858770.93	1.95E-04	3.89E-09	2.72E-06	1.54E-06	1.99E-04	9.18E-05	1.60E-03	2.04E-04	5.66E-05	1.96E-03	8.73E-05	3.19E-09	2.72E-06	1.54E-06	9.16E-05
2487	497238.92	3858770.93	1.96E-04	3.90E-09	2.71E-06	1.54E-06	2.00E-04	9.22E-05	1.61E-03	2.03E-04	5.64E-05	1.96E-03	8.77E-05	3.20E-09	2.71E-06	1.54E-06	9.19E-05
2488	497396.65	3858622.63	2.00E-04	3.79E-09	2.79E-06	1.55E-06	2.04E-04	9.41E-05	1.56E-03	2.09E-04	5.68E-05	1.92E-03	8.95E-05	3.11E-09	2.79E-06	1.55E-06	9.39E-05
2489	497496.65	3858622.63	2.04E-04	3.84E-09	2.81E-06	1.55E-06	2.09E-04	9.63E-05	1.58E-03	2.11E-04	5.69E-05	1.95E-03	9.16E-05	3.15E-09	2.81E-06	1.55E-06	9.59E-05
2490	497596.65	3858622.63	2.13E-04	3.96E-09	2.91E-06	1.57E-06	2.17E-04	1.00E-04	1.63E-03	2.18E-04	5.74E-05	2.01E-03	9.55E-05	3.25E-09	2.91E-06	1.57E-06	1.00E-04
2491	497696.65	3858622.63	2.15E-04	3.98E-09	2.90E-06	1.56E-06	2.19E-04	1.01E-04	1.64E-03	2.18E-04	5.72E-05	2.02E-03	9.64E-05	3.27E-09	2.90E-06	1.56E-06	1.01E-04
2492	497796.65	3858622.63	2.20E-04	4.05E-09	2.92E-06	1.57E-06	2.24E-04	1.04E-04	1.67E-03	2.19E-04	5.74E-05	2.05E-03	9.86E-05	3.33E-09	2.92E-06	1.57E-06	1.03E-04
2493	497896.65	3858622.63	2.25E-04	4.13E-09	2.95E-06	1.57E-06	2.29E-04	1.06E-04	1.70E-03	2.21E-04	5.76E-05	2.09E-03	1.01E-04	3.39E-09	2.95E-06	1.57E-06	1.05E-04
2494	497396.65	3858722.63	2.04E-04	3.95E-09	2.78E-06	1.55E-06	2.08E-04	9.61E-05	1.63E-03	2.09E-04	5.68E-05	1.99E-03	9.14E-05	3.24E-09	2.78E-06	1.55E-06	9.57E-05
2495	497496.65	3858722.63	2.08E-04	4.01E-09	2.83E-06	1.55E-06	2.13E-04	9.82E-05	1.65E-03	2.12E-04	5.68E-05	2.02E-03	9.34E-05	3.29E-09	2.83E-06	1.55E-06	9.78E-05
2496	497596.65	3858722.63	2.16E-04	4.12E-09	2.89E-06	1.56E-06	2.20E-04	1.02E-04	1.70E-03	2.17E-04	5.73E-05	2.07E-03	9.69E-05	3.38E-09	2.89E-06	1.56E-06	1.01E-04
2497	497696.65	3858722.63	2.20E-04	4.18E-09	2.91E-06	1.56E-06	2.25E-04	1.04E-04	1.72E-03	2.18E-04	5.73E-05	2.10E-03	9.87E-05	3.43E-09	2.91E-06	1.56E-06	1.03E-04

2498	497796.65	3858722.63	2.22E-04	4.21E-09	2.92E-06	1.56E-06	2.27E-04	1.05E-04	1.73E-03	2.19E-04	5.72E-05	2.11E-03	9.97E-05	3.45E-09	2.92E-06	1.56E-06	1.04E-04
2499	497896.65	3858722.63	2.25E-04	4.26E-09	2.95E-06	1.56E-06	2.30E-04	1.06E-04	1.75E-03	2.21E-04	5.72E-05	2.14E-03	1.01E-04	3.49E-09	2.95E-06	1.56E-06	1.06E-04
2500	497396.65	3858822.63	2.05E-04	4.08E-09	2.80E-06	1.54E-06	2.10E-04	9.68E-05	1.68E-03	2.10E-04	5.65E-05	2.05E-03	9.20E-05	3.35E-09	2.80E-06	1.54E-06	9.64E-05
2501	497496.65	3858822.63	2.09E-04	4.13E-09	2.82E-06	1.54E-06	2.13E-04	9.86E-05	1.70E-03	2.12E-04	5.65E-05	2.07E-03	9.38E-05	3.39E-09	2.82E-06	1.54E-06	9.81E-05
2502	497596.65	3858822.63	2.18E-04	4.27E-09	2.93E-06	1.56E-06	2.23E-04	1.03E-04	1.76E-03	2.20E-04	5.72E-05	2.14E-03	9.80E-05	3.51E-09	2.93E-06	1.56E-06	1.02E-04
2503	497696.65	3858822.63	2.21E-04	4.31E-09	2.92E-06	1.55E-06	2.25E-04	1.04E-04	1.78E-03	2.19E-04	5.70E-05	2.16E-03	9.90E-05	3.54E-09	2.92E-06	1.55E-06	1.03E-04
2504	497796.65	3858822.63	2.23E-04	4.34E-09	2.96E-06	1.55E-06	2.28E-04	1.05E-04	1.79E-03	2.22E-04	5.70E-05	2.17E-03	1.00E-04	3.56E-09	2.96E-06	1.55E-06	1.05E-04
2505	497896.65	3858822.63	2.28E-04	4.44E-09	2.99E-06	1.56E-06	2.33E-04	1.08E-04	1.83E-03	2.24E-04	5.71E-05	2.22E-03	1.02E-04	3.64E-09	2.99E-06	1.56E-06	1.07E-04
2506	497396.65	3858922.63	2.07E-04	4.22E-09	2.80E-06	1.53E-06	2.11E-04	9.76E-05	1.74E-03	2.10E-04	5.62E-05	2.10E-03	9.28E-05	3.46E-09	2.80E-06	1.53E-06	9.71E-05
2507	497496.65	3858922.63	2.14E-04	4.34E-09	2.88E-06	1.54E-06	2.19E-04	1.01E-04	1.79E-03	2.16E-04	5.65E-05	2.16E-03	9.61E-05	3.56E-09	2.88E-06	1.54E-06	1.00E-04
2508	497596.65	3858922.63	2.14E-04	4.32E-09	2.87E-06	1.53E-06	2.19E-04	1.01E-04	1.78E-03	2.15E-04	5.62E-05	2.15E-03	9.61E-05	3.55E-09	2.87E-06	1.53E-06	1.00E-04
2509	497696.65	3858922.63	2.23E-04	4.47E-09	2.99E-06	1.55E-06	2.27E-04	1.05E-04	1.84E-03	2.24E-04	5.69E-05	2.23E-03	9.99E-05	3.67E-09	2.99E-06	1.55E-06	1.04E-04
2510	497796.65	3858922.63	2.26E-04	4.55E-09	3.00E-06	1.55E-06	2.30E-04	1.07E-04	1.87E-03	2.25E-04	5.68E-05	2.26E-03	1.01E-04	3.73E-09	3.00E-06	1.55E-06	1.06E-04
2511	497896.65	3858922.63	2.32E-04	4.69E-09	3.11E-06	1.57E-06	2.37E-04	1.10E-04	1.93E-03	2.33E-04	5.74E-05	2.33E-03	1.04E-04	3.85E-09	3.11E-06	1.57E-06	1.09E-04
2512	497364.44	3858201.52	1.91E-04	3.33E-09	3.07E-06	1.58E-06	1.95E-04	8.99E-05	1.37E-03	2.30E-04	5.78E-05	1.75E-03	8.55E-05	2.73E-09	3.07E-06	1.58E-06	9.01E-05
2513	497414.44	3858201.52	1.94E-04	3.36E-09	3.08E-06	1.58E-06	1.98E-04	9.14E-05	1.38E-03	2.31E-04	5.79E-05	1.77E-03	8.69E-05	2.76E-09	3.08E-06	1.58E-06	9.16E-05
2514	497464.44	3858201.52	1.96E-04	3.38E-09	3.08E-06	1.58E-06	2.00E-04	9.23E-05	1.39E-03	2.31E-04	5.79E-05	1.77E-03	8.78E-05	2.78E-09	3.08E-06	1.58E-06	9.24E-05
2515	497514.44	3858201.52	1.96E-04	3.38E-09	3.07E-06	1.57E-06	2.00E-04	9.23E-05	1.39E-03	2.30E-04	5.77E-05	1.77E-03	8.77E-05	2.78E-09	3.07E-06	1.57E-06	9.24E-05
2516	497564.44	3858201.52	1.95E-04	3.37E-09	3.05E-06	1.57E-06	1.99E-04	9.19E-05	1.39E-03	2.29E-04	5.75E-05	1.77E-03	8.74E-05	2.76E-09	3.05E-06	1.57E-06	9.20E-05
2517	497614.44	3858201.52	1.95E-04	3.37E-09	3.04E-06	1.56E-06	2.00E-04	9.21E-05	1.39E-03	2.28E-04	5.73E-05	1.77E-03	8.76E-05	2.77E-09	3.04E-06	1.56E-06	9.22E-05
2518	497364.44	3858251.52	1.94E-04	3.41E-09	3.04E-06	1.58E-06	1.99E-04	9.15E-05	1.41E-03	2.28E-04	5.79E-05	1.78E-03	8.70E-05	2.80E-09	3.04E-06	1.58E-06	9.17E-05
2519	497414.44	3858251.52	1.97E-04	3.45E-09	3.05E-06	1.58E-06	2.02E-04	9.29E-05	1.42E-03	2.29E-04	5.81E-05	1.80E-03	8.84E-05	2.83E-09	3.05E-06	1.58E-06	9.30E-05
2520	497464.44	3858251.52	1.95E-04	3.42E-09	3.03E-06	1.57E-06	2.00E-04	9.22E-05	1.41E-03	2.27E-04	5.77E-05	1.79E-03	8.76E-05	2.81E-09	3.03E-06	1.57E-06	9.23E-05
2521	497514.44	3858251.52	1.93E-04	3.39E-09	3.01E-06	1.56E-06	1.98E-04	9.12E-05	1.40E-03	2.26E-04	5.74E-05	1.77E-03	8.67E-05	2.78E-09	3.01E-06	1.56E-06	9.13E-05
2522	497564.44	3858251.52	1.93E-04	3.37E-09	2.99E-06	1.56E-06	1.97E-04	9.09E-05	1.39E-03	2.25E-04	5.71E-05	1.76E-03	8.65E-05	2.77E-09	2.99E-06	1.56E-06	9.10E-05
2523	497614.44	3858251.52	1.92E-04	3.36E-09	2.98E-06	1.55E-06	1.97E-04	9.07E-05	1.38E-03	2.24E-04	5.70E-05	1.76E-03	8.62E-05	2.76E-09	2.98E-06	1.55E-06	9.08E-05
2524	497364.44	3858301.52	1.95E-04	3.46E-09	3.00E-06	1.58E-06	1.99E-04	9.19E-05	1.42E-03	2.25E-04	5.80E-05	1.80E-03	8.73E-05	2.84E-09	3.00E-06	1.58E-06	9.19E-05
2525	497414.44	3858301.52	1.96E-04	3.48E-09	3.00E-06	1.58E-06	2.01E-04	9.27E-05	1.43E-03	2.25E-04	5.79E-05	1.81E-03	8.81E-05	2.85E-09	3.00E-06	1.58E-06	9.27E-05
2526	497464.44	3858301.52	1.94E-04	3.44E-09	2.98E-06	1.57E-06	1.99E-04	9.17E-05	1.42E-03	2.23E-04	5.75E-05	1.79E-03	8.72E-05	2.83E-09	2.98E-06	1.57E-06	9.17E-05
2527	497514.44	3858301.52	1.93E-04	3.42E-09	2.96E-06	1.56E-06	1.98E-04	9.10E-05	1.41E-03	2.22E-04	5.72E-05	1.78E-03	8.66E-05	2.80E-09	2.96E-06	1.56E-06	9.11E-05
2528	497564.44	3858301.52	1.91E-04	3.38E-09	2.94E-06	1.55E-06	1.95E-04	9.00E-05	1.39E-03	2.20E-04	5.68E-05	1.76E-03	8.56E-05	2.77E-09	2.94E-06	1.55E-06	9.01E-05
2529	497614.44	3858301.52	1.90E-04	3.36E-09	2.92E-06	1.54E-06	1.95E-04	8.97E-05	1.39E-03	2.19E-04	5.66E-05	1.75E-03	8.53E-05	2.76E-09	2.92E-06	1.54E-06	8.98E-05
2530	497364.44	3858351.52	1.96E-04	3.51E-09	2.97E-06	1.58E-06	2.00E-04	9.23E-05	1.45E-03	2.23E-04	5.78E-05	1.82E-03	8.78E-05	2.88E-09	2.97E-06	1.58E-06	9.23E-05
2531	497414.44	3858351.52	1.94E-04	3.49E-09	2.95E-06	1.57E-06	1.99E-04	9.17E-05	1.44E-03	2.21E-04	5.76E-05	1.81E-03	8.72E-05	2.86E-09	2.95E-06	1.57E-06	9.17E-05
2532	497464.44	3858351.52	1.94E-04	3.47E-09	2.94E-06	1.56E-06	1.98E-04	9.15E-05	1.43E-03	2.20E-04	5.73E-05	1.80E-03	8.70E-05	2.85E-09	2.94E-06	1.56E-06	9.15E-05
2533	497514.44	3858351.52	1.93E-04	3.45E-09	2.92E-06	1.56E-06	1.97E-04	9.10E-05	1.42E-03	2.19E-04	5.71E-05	1.79E-03	8.65E-05	2.83E-09	2.92E-06	1.56E-06	9.10E-05
2534	497564.44	3858351.52	1.90E-04	3.41E-09	2.89E-06	1.54E-06	1.95E-04	8.97E-05	1.40E-03	2.17E-04	5.66E-05	1.77E-03	8.53E-05	2.80E-09	2.89E-06	1.54E-06	8.98E-05
2535	497614.44	3858351.52	1.90E-04	3.39E-09	2.88E-06	1.54E-06	1.94E-04	8.95E-05	1.40E-03	2.16E-04	5.64E-05	1.76E-03	8.51E-05	2.78E-09	2.88E-06	1.54E-06	8.95E-05
2536	497364.44	3858401.52	1.94E-04	3.52E-09	2.93E-06	1.57E-06	1.99E-04	9.16E-05	1.45E-03	2.19E-04	5.76E-05	1.82E-03	8.71E-05	2.89E-09	2.93E-06	1.57E-06	9.16E-05
2537	497414.44	3858401.52	1.93E-04	3.51E-09	2.90E-06	1.56E-06	1.98E-04	9.12E-05	1.45E-03	2.18E-04	5.73E-05	1.81E-03	8.67E-05	2.88E-09	2.90E-06	1.56E-06	9.12E-05
2538	497464.44	3858401.52	1.92E-04	3.48E-09	2.88E-06	1.55E-06	1.96E-04	9.05E-05	1.44E-03	2.16E-04	5.70E-05	1.80E-03	8.61E-05	2.86E-09	2.88E-06	1.55E-06	9.05E-05
2539	497514.44	3858401.52	1.91E-04	3.47E-09	2.87E-06	1.55E-06	1.96E-04	9.02E-05	1.43E-03	2.15E-04	5.67E-05	1.79E-03	8.58E-05	2.84E-09	2.87E-06	1.55E-06	9.02E-05
2540	497564.44	3858401.52	1.93E-04	3.49E-09	2.88E-06	1.55E-06	1.98E-04	9.12E-05	1.44E-03	2.16E-04	5.67E-05	1.80E-03	8.67E-05	2.86E-09	2.88E-06	1.55E-06	9.12E-05
2541	497614.44	3858401.52	1.96E-04	3.51E-09	2.89E-06	1.55E-06	2.01E-04	9.26E-05	1.45E-03	2.17E-04	5.68E-05	1.81E-03	8.80E-05	2.88E-09	2.89E-06	1.55E-06	9.25E-05
2542	493478.11	3860497.94	2.03E-04	1.19E-08	1.23E-06	1.52E-06	2.06E-04	9.58E-05	4.90E-03	9.22E-05	5.56E-05	5.14E-03	9.11E-05	9.75E-09	1.23E-06	1.52E-06	9.38E-05
2543	493528.11	3860497.94	2.04E-04	1.18E-08	1.24E-06	1.51E-06	2.06E-04	9.60E-05	4.85E-03	9.27E-05	5.53E-05	5.09E-03	9.13E-05	9.65E-09	1.24E-06	1.51E-06	9.41E-05
2544	493478.11	3860547.94	1.97E-04	1.17E-08	1.18E-06	1.47E-06	2.00E-04	9.31E-05	4.81E-03	8.84E-05	5.41E-05	5.05E-03	8.85E-05	9.59E-09	1.18E-06	1.47E-06	9.12E-05
2545	493528.11	3860547.94	1.98E-04	1.16E-08	1.18E-06	1.47E-06	2.01E-04	9.33E-05	4.77E-03	8.87E-05	5.38E-05	5.01E-03	8.87E-05	9.50E-09	1.18E-06	1.47E-06	9.14E-05
2546	493478.11	3860597.94	1.92E-04	1.15E-08	1.13E-06	1.43E-06	1.94E-04	9.04E-05	4.73E-03	8.50E-05	5.25E-05	4.96E-03	8.60E-05	9.42E-09	1.13E-06	1.43E-06	8.85E-05
2547	493528.11	3860597.94	1.92E-04	1.14E-08	1.14E-06	1.43E-06	1.95E-04	9.07E-05	4.68E-03	8.52E-05	5.23E-05	4.91E-03	8.62E-05	9.33E-09	1.14E-06	1.43E-06	8.88E-05
2548	493561.88	3860524.64	2.01E-04	1.16E-08	1.21E-06	1.48E-06	2.04E-04	9.48E-05	4.77E-03	9.08E-05	5.44E-05	5.01E-03	9.01E-05	9.51E-09	1.21E-06	1.48E-06	9.29E-05
2549	493591.88	3860524.64	2.01E-04	1.15E-08	1.22E-06	1.48E-06	2.04E-04	9.50E-05	4.74E-03	9.13E-05	5.41E-05	4.98E-03	9.04E-05	9.45E-09	1.22E-06	1.48E-06	9.31E-05
2550	493561.88	3860554.64	1.98E-04	1.15E-08	1.18E-06	1.46E-06	2.00E-04	9.32E-05	4.73E-03	8.85E-05	5.35E-05	4.96E-03	8.86E-05	9.41E-09	1.18E-06	1.46E-06	9.12E-05
2551	493591.88	3860554.64	1.98E-04	1.14E-08	1.19E-06	1.45E-06	2.01E-04	9.35E-05	4.69E-03	8.90E-05	5.33E-05	4.93E-03	8.89E-05	9.35E-09	1.19E-06	1.45E-06	9.15E-05
2552	492880.5	3860293.11	2.17E-04	1.46E-08	1.33E-06	1.86E-06	2.20E-04	1.02E-04	6.02E-03	1.00E-04	6.82E-05	6.29E-03	9.72E-05	1.20E-08	1.33E-06	1.86E-06	1.00E-04
2553	492930.5	3860293.11	2.18E-04	1.44E-08	1.35E-06	1.84E-06	2.21E-04	1.03E-04	5.94E-03	1.01E-04	6.75E-05	6.21E-03	9.79E-05	1.18E-08	1.35E-06	1.84E-06	1.01E-04
2554	492980.5	3860293.11	2.20E-04	1.42E-08	1.37E-06	1.82E-06	2.23E-04	1.04E-04	5.86E-03	1.03E-04	6.68E-05	6.13E-03	9.85E-05	1.17E-08	1.37E-06	1.82E-06	1.02E-04
2555	493030.5	3860293.11	2.22E-04	1.39E-08	1.38E-06	1.80E-06	2.25E-04	1.05E-04	5.74E-03	1.04E-04	6.60E-05	6.01E-03	9.95E-05	1.14E-08	1.38E-06	1.80E-06	1.03E-04
2556	493080.5	3860293.11	2.24E-04	1.36E-08	1.36E-06	1.78E-06	2.27E-04	1.06E-04	5.58E-03	1.02E-04	6.53E-05	5.86E-03	1.01E-04	1.11E-08	1.36E-06	1.78E-06	1.04E-04
2557	493130.5	3860293.11	2.24E-04	1.35E-08	1.39E-06	1.77E-06	2.27E-04	1.06E-04	5.58E-03	1.04E-04	6.49E-05	5.85E-03	1.01E-04	1.11E-08	1.39E-06	1.77E-06	1.04E-04
2558	493180.5	3860293.11	2.24E-04	1.35E-08	1.41E-06	1.76E-06	2.27E-04	1.06E-04	5.55E-03	1.06E-04	6.46E-05	5.83E-03	1.00E-04	1.11E-08	1.41E-06	1.76E-06	1.04E-04

2559	493230.5	3860293.11	2.24E-04	1.33E-08	1.43E-06	1.75E-06	2.28E-04	1.06E-04	5.49E-03	1.07E-04	6.42E-05	5.77E-03	1.01E-04	1.09E-08	1.43E-06	1.75E-06	1.04E-04
2560	493280.5	3860293.11	2.26E-04	1.31E-08	1.42E-06	1.74E-06	2.29E-04	1.06E-04	5.40E-03	1.07E-04	6.37E-05	5.68E-03	1.01E-04	1.08E-08	1.42E-06	1.74E-06	1.04E-04
2561	493330.5	3860293.11	2.26E-04	1.29E-08	1.42E-06	1.72E-06	2.30E-04	1.07E-04	5.33E-03	1.07E-04	6.32E-05	5.61E-03	1.02E-04	1.06E-08	1.42E-06	1.72E-06	1.05E-04
2562	493380.5	3860293.11	2.27E-04	1.28E-08	1.43E-06	1.71E-06	2.30E-04	1.07E-04	5.26E-03	1.07E-04	6.28E-05	5.54E-03	1.02E-04	1.05E-08	1.43E-06	1.71E-06	1.05E-04
2563	492880.5	3860343.11	2.10E-04	1.44E-08	1.28E-06	1.81E-06	2.13E-04	9.90E-05	5.92E-03	9.57E-05	6.62E-05	6.18E-03	9.41E-05	1.18E-08	1.28E-06	1.81E-06	9.72E-05
2564	492930.5	3860343.11	2.11E-04	1.42E-08	1.29E-06	1.79E-06	2.14E-04	9.96E-05	5.85E-03	9.65E-05	6.56E-05	6.11E-03	9.47E-05	1.16E-08	1.29E-06	1.79E-06	9.78E-05
2565	492980.5	3860343.11	2.14E-04	1.39E-08	1.32E-06	1.76E-06	2.17E-04	1.01E-04	5.74E-03	9.93E-05	6.46E-05	6.01E-03	9.59E-05	1.14E-08	1.32E-06	1.76E-06	9.90E-05
2566	493030.5	3860343.11	2.15E-04	1.38E-08	1.34E-06	1.75E-06	2.18E-04	1.01E-04	5.67E-03	1.00E-04	6.41E-05	5.94E-03	9.64E-05	1.13E-08	1.34E-06	1.75E-06	9.95E-05
2567	493080.5	3860343.11	2.17E-04	1.35E-08	1.33E-06	1.73E-06	2.20E-04	1.02E-04	5.55E-03	9.98E-05	6.34E-05	5.82E-03	9.74E-05	1.11E-08	1.33E-06	1.73E-06	1.00E-04
2568	493130.5	3860343.11	2.18E-04	1.34E-08	1.34E-06	1.72E-06	2.21E-04	1.03E-04	5.50E-03	1.01E-04	6.30E-05	5.77E-03	9.77E-05	1.10E-08	1.34E-06	1.72E-06	1.01E-04
2569	493180.5	3860343.11	2.18E-04	1.33E-08	1.36E-06	1.71E-06	2.21E-04	1.03E-04	5.48E-03	1.02E-04	6.28E-05	5.75E-03	9.76E-05	1.09E-08	1.36E-06	1.71E-06	1.01E-04
2570	493230.5	3860343.11	2.18E-04	1.32E-08	1.37E-06	1.70E-06	2.21E-04	1.03E-04	5.42E-03	1.03E-04	6.24E-05	5.69E-03	9.79E-05	1.08E-08	1.37E-06	1.70E-06	1.01E-04
2571	493280.5	3860343.11	2.20E-04	1.30E-08	1.38E-06	1.69E-06	2.23E-04	1.04E-04	5.34E-03	1.03E-04	6.19E-05	5.60E-03	9.85E-05	1.06E-08	1.38E-06	1.69E-06	1.02E-04
2572	493330.5	3860343.11	2.21E-04	1.28E-08	1.38E-06	1.67E-06	2.24E-04	1.04E-04	5.26E-03	1.03E-04	6.14E-05	5.53E-03	9.89E-05	1.05E-08	1.38E-06	1.67E-06	1.02E-04
2573	493380.5	3860343.11	2.21E-04	1.26E-08	1.38E-06	1.66E-06	2.24E-04	1.04E-04	5.20E-03	1.04E-04	6.10E-05	5.47E-03	9.92E-05	1.04E-08	1.38E-06	1.66E-06	1.02E-04
2574	492880.5	3860393.11	2.03E-04	1.41E-08	1.23E-06	1.75E-06	2.06E-04	9.58E-05	5.82E-03	9.19E-05	6.43E-05	6.07E-03	9.11E-05	1.16E-08	1.23E-06	1.75E-06	9.41E-05
2575	492930.5	3860393.11	2.05E-04	1.39E-08	1.24E-06	1.74E-06	2.08E-04	9.66E-05	5.74E-03	9.28E-05	6.37E-05	6.00E-03	9.18E-05	1.14E-08	1.24E-06	1.74E-06	9.48E-05
2576	492980.5	3860393.11	2.07E-04	1.38E-08	1.26E-06	1.72E-06	2.10E-04	9.75E-05	5.67E-03	9.43E-05	6.30E-05	5.92E-03	9.27E-05	1.13E-08	1.26E-06	1.72E-06	9.57E-05
2577	493030.5	3860393.11	2.08E-04	1.36E-08	1.27E-06	1.70E-06	2.11E-04	9.82E-05	5.59E-03	9.55E-05	6.23E-05	5.85E-03	9.34E-05	1.11E-08	1.27E-06	1.70E-06	9.64E-05
2578	493080.5	3860393.11	2.11E-04	1.33E-08	1.30E-06	1.68E-06	2.14E-04	9.93E-05	5.48E-03	9.74E-05	6.15E-05	5.74E-03	9.44E-05	1.09E-08	1.30E-06	1.68E-06	9.74E-05
2579	493130.5	3860393.11	2.11E-04	1.32E-08	1.31E-06	1.67E-06	2.14E-04	9.95E-05	5.44E-03	9.79E-05	6.13E-05	5.70E-03	9.46E-05	1.08E-08	1.31E-06	1.67E-06	9.76E-05
2580	493180.5	3860393.11	2.11E-04	1.31E-08	1.30E-06	1.67E-06	2.14E-04	9.95E-05	5.40E-03	9.72E-05	6.11E-05	5.66E-03	9.46E-05	1.08E-08	1.30E-06	1.67E-06	9.76E-05
2581	493230.5	3860393.11	2.12E-04	1.30E-08	1.31E-06	1.66E-06	2.15E-04	1.00E-04	5.34E-03	9.80E-05	6.07E-05	5.60E-03	9.51E-05	1.06E-08	1.31E-06	1.66E-06	9.80E-05
2582	493280.5	3860393.11	2.13E-04	1.28E-08	1.33E-06	1.64E-06	2.16E-04	1.01E-04	5.26E-03	9.98E-05	6.01E-05	5.52E-03	9.57E-05	1.05E-08	1.33E-06	1.64E-06	9.87E-05
2583	493330.5	3860393.11	2.15E-04	1.26E-08	1.34E-06	1.63E-06	2.18E-04	1.01E-04	5.19E-03	1.00E-04	5.96E-05	5.45E-03	9.62E-05	1.03E-08	1.34E-06	1.63E-06	9.92E-05
2584	493380.5	3860393.11	2.15E-04	1.24E-08	1.34E-06	1.62E-06	2.18E-04	1.02E-04	5.13E-03	1.01E-04	5.92E-05	5.39E-03	9.66E-05	1.02E-08	1.34E-06	1.62E-06	9.96E-05
2585	492880.5	3860443.11	1.97E-04	1.39E-08	1.18E-06	1.70E-06	2.00E-04	9.30E-05	5.71E-03	8.89E-05	6.24E-05	5.95E-03	8.84E-05	1.14E-08	1.18E-06	1.70E-06	9.13E-05
2586	492930.5	3860443.11	1.98E-04	1.37E-08	1.19E-06	1.69E-06	2.01E-04	9.34E-05	5.64E-03	8.92E-05	6.19E-05	5.89E-03	8.89E-05	1.12E-08	1.19E-06	1.69E-06	9.17E-05
2587	492980.5	3860443.11	2.00E-04	1.35E-08	1.20E-06	1.67E-06	2.03E-04	9.42E-05	5.58E-03	9.01E-05	6.13E-05	5.82E-03	8.96E-05	1.11E-08	1.20E-06	1.67E-06	9.25E-05
2588	493030.5	3860443.11	2.01E-04	1.34E-08	1.22E-06	1.65E-06	2.04E-04	9.50E-05	5.50E-03	9.12E-05	6.06E-05	5.75E-03	9.04E-05	1.10E-08	1.22E-06	1.65E-06	9.32E-05
2589	493080.5	3860443.11	2.03E-04	1.32E-08	1.23E-06	1.64E-06	2.06E-04	9.56E-05	5.44E-03	9.19E-05	6.02E-05	5.68E-03	9.09E-05	1.08E-08	1.23E-06	1.64E-06	9.38E-05
2590	493130.5	3860443.11	2.04E-04	1.30E-08	1.23E-06	1.63E-06	2.07E-04	9.61E-05	5.37E-03	9.26E-05	5.97E-05	5.62E-03	9.14E-05	1.07E-08	1.23E-06	1.63E-06	9.43E-05
2591	493180.5	3860443.11	2.04E-04	1.29E-08	1.23E-06	1.62E-06	2.07E-04	9.63E-05	5.32E-03	9.24E-05	5.96E-05	5.57E-03	9.15E-05	1.06E-08	1.23E-06	1.62E-06	9.44E-05
2592	493230.5	3860443.11	2.06E-04	1.27E-08	1.25E-06	1.61E-06	2.09E-04	9.71E-05	5.25E-03	9.40E-05	5.89E-05	5.50E-03	9.23E-05	1.05E-08	1.25E-06	1.61E-06	9.52E-05
2593	493280.5	3860443.11	2.07E-04	1.26E-08	1.27E-06	1.59E-06	2.10E-04	9.77E-05	5.19E-03	9.51E-05	5.84E-05	5.44E-03	9.29E-05	1.03E-08	1.27E-06	1.59E-06	9.58E-05
2594	493330.5	3860443.11	2.09E-04	1.24E-08	1.29E-06	1.58E-06	2.12E-04	9.84E-05	5.11E-03	9.67E-05	5.79E-05	5.37E-03	9.36E-05	1.02E-08	1.29E-06	1.58E-06	9.64E-05
2595	493380.5	3860443.11	2.09E-04	1.23E-08	1.30E-06	1.57E-06	2.12E-04	9.87E-05	5.06E-03	9.72E-05	5.76E-05	5.32E-03	9.38E-05	1.01E-08	1.30E-06	1.57E-06	9.67E-05
2596	493180.5	3860493.11	1.98E-04	1.27E-08	1.19E-06	1.58E-06	2.01E-04	9.35E-05	5.23E-03	8.90E-05	5.78E-05	5.47E-03	8.89E-05	1.04E-08	1.19E-06	1.58E-06	9.16E-05
2597	493230.5	3860493.11	2.00E-04	1.25E-08	1.20E-06	1.56E-06	2.02E-04	9.41E-05	5.17E-03	8.99E-05	5.73E-05	5.41E-03	8.95E-05	1.03E-08	1.20E-06	1.56E-06	9.23E-05
2598	493280.5	3860493.11	2.01E-04	1.24E-08	1.21E-06	1.55E-06	2.04E-04	9.48E-05	5.10E-03	9.10E-05	5.68E-05	5.35E-03	9.01E-05	1.02E-08	1.21E-06	1.55E-06	9.29E-05
2599	493330.5	3860493.11	2.02E-04	1.22E-08	1.23E-06	1.54E-06	2.05E-04	9.53E-05	5.04E-03	9.20E-05	5.64E-05	5.29E-03	9.07E-05	1.00E-08	1.23E-06	1.54E-06	9.34E-05
2600	493380.5	3860493.11	2.03E-04	1.21E-08	1.23E-06	1.53E-06	2.06E-04	9.57E-05	4.99E-03	9.23E-05	5.61E-05	5.24E-03	9.10E-05	9.95E-09	1.23E-06	1.53E-06	9.37E-05
2601	493330.5	3860543.11	1.96E-04	1.20E-08	1.18E-06	1.49E-06	1.99E-04	9.25E-05	4.96E-03	8.82E-05	5.48E-05	5.20E-03	8.80E-05	9.88E-09	1.18E-06	1.49E-06	9.07E-05
2602	493380.5	3860543.11	1.97E-04	1.19E-08	1.18E-06	1.49E-06	2.00E-04	9.28E-05	4.91E-03	8.84E-05	5.46E-05	5.15E-03	8.83E-05	9.78E-09	1.18E-06	1.49E-06	9.10E-05
2603	494135.94	3860876.85	1.72E-04	9.20E-09	9.88E-07	1.14E-06	1.75E-04	8.13E-05	3.79E-03	7.41E-05	4.18E-05	3.99E-03	7.74E-05	7.55E-09	9.88E-07	1.14E-06	7.95E-05
2604	494185.94	3860876.85	1.73E-04	9.12E-09	9.93E-07	1.14E-06	1.75E-04	8.16E-05	3.76E-03	7.45E-05	4.17E-05	3.96E-03	7.76E-05	7.49E-09	9.93E-07	1.14E-06	7.98E-05
2605	494135.94	3860926.85	1.68E-04	9.02E-09	9.56E-07	1.10E-06	1.70E-04	7.91E-05	3.71E-03	7.17E-05	4.03E-05	3.91E-03	7.52E-05	7.40E-09	9.56E-07	1.10E-06	7.73E-05
2606	494185.94	3860926.85	1.68E-04	8.95E-09	9.60E-07	1.10E-06	1.70E-04	7.94E-05	3.69E-03	7.20E-05	4.03E-05	3.88E-03	7.55E-05	7.34E-09	9.60E-07	1.10E-06	7.76E-05
2607	494135.94	3860976.85	1.63E-04	8.84E-09	9.29E-07	1.06E-06	1.65E-04	7.69E-05	3.64E-03	6.97E-05	3.89E-05	3.83E-03	7.32E-05	7.25E-09	9.29E-07	1.06E-06	7.52E-05
2608	494185.94	3860976.85	1.64E-04	8.77E-09	9.31E-07	1.06E-06	1.66E-04	7.73E-05	3.61E-03	6.98E-05	3.89E-05	3.80E-03	7.35E-05	7.20E-09	9.31E-07	1.06E-06	7.55E-05
2609	494135.94	3861026.85	1.59E-04	8.66E-09	9.04E-07	1.02E-06	1.61E-04	7.48E-05	3.57E-03	6.78E-05	3.76E-05	3.75E-03	7.11E-05	7.11E-09	9.04E-07	1.02E-06	7.31E-05
2610	494185.94	3861026.85	1.59E-04	8.60E-09	9.06E-07	1.02E-06	1.61E-04	7.52E-05	3.54E-03	6.79E-05	3.75E-05	3.72E-03	7.15E-05	7.06E-09	9.06E-07	1.02E-06	7.34E-05
2611	494135.94	3861076.85	1.54E-04	8.48E-09	8.83E-07	9.90E-07	1.56E-04	7.27E-05	3.50E-03	6.62E-05	3.63E-05	3.67E-03	6.92E-05	6.96E-09	8.83E-07	9.90E-07	7.10E-05
2612	494185.94	3861076.85	1.55E-04	8.42E-09	8.84E-07	9.89E-07	1.57E-04	7.31E-05	3.47E-03	6.63E-05	3.62E-05	3.65E-03	6.95E-05	6.91E-09	8.84E-07	9.89E-07	7.14E-05
2613	490360.04	3858710.04	5.32E-04	2.96E-08	6.04E-06	4.74E-06	5.43E-04	2.51E-04	1.22E-02	4.53E-04	1.74E-04	1.31E-02	2.39E-04	2.43E-08	6.04E-06	4.74E-06	2.50E-04
2614	490410.04	3858710.04	5.34E-04	2.89E-08	6.01E-06	4.69E-06	5.45E-04	2.52E-04	1.19E-02	4.51E-04	1.72E-04	1.28E-02	2.39E-04	2.37E-08	6.01E-06	4.69E-06	2.50E-04
2615	490460.04	3858710.04	5.36E-04	2.80E-08	5.99E-06	4.64E-06	5.46E-04	2.53E-04	1.15E-02	4.49E-04	1.70E-04	1.24E-02	2.40E-04	2.30E-08	5.99E-06	4.64E-06	2.51E-04
2616	490510.04	3858710.04	5.37E-04	2.73E-08	5.97E-06	4.59E-06	5.47E-04	2.53E-04	1.13E-02	4.47E-04	1.68E-04	1.21E-02	2.41E-04	2.24E-08	5.97E-06	4.59E-06	2.51E-04
2617	490560.04	3858710.04	5.37E-04	2.67E-08	5.95E-06	4.54E-06	5.47E-04	2.53E-04	1.10E-02	4.46E-04	1.67E-04	1.19E-02	2.41E-04	2.19E-08	5.95E-06	4.54E-06	2.51E-04
2618	490610.04	3858710.04	5.37E-04	2.61E-08	5.93E-06	4.50E-06	5.47E-04	2.53E-04	1.08E-02	4.45E-04	1.65E-04	1.16E-02	2.41E-04	2.14E-08	5.93E-06	4.50E-06	2.51E-04
2619	490660.04	3858710.04	5.36E-04	2.57E-08	5.92E-06	4.46E-06	5.46E-04	2.53E-04	1.06E-02	4.44E-04	1.63E-04	1.15E-02	2.40E-04	2.11E-08	5.92E-06	4.46E-06	2.51E-04

2620	490710.04	3858710.04	5.36E-04	2.50E-08	5.91E-06	4.42E-06	5.46E-04	2.53E-04	1.03E-02	4.43E-04	1.62E-04	1.12E-02	2.40E-04	2.06E-08	5.91E-06	4.42E-06	2.51E-04
2621	490760.04	3858710.04	5.35E-04	2.44E-08	5.90E-06	4.38E-06	5.45E-04	2.52E-04	1.01E-02	4.42E-04	1.61E-04	1.09E-02	2.40E-04	2.01E-08	5.90E-06	4.38E-06	2.50E-04
2622	490810.04	3858710.04	5.34E-04	2.39E-08	5.89E-06	4.34E-06	5.44E-04	2.52E-04	9.83E-03	4.42E-04	1.59E-04	1.07E-02	2.39E-04	1.96E-08	5.89E-06	4.34E-06	2.50E-04
2623	490860.04	3858710.04	5.33E-04	2.32E-08	5.89E-06	4.31E-06	5.43E-04	2.51E-04	9.55E-03	4.42E-04	1.58E-04	1.04E-02	2.39E-04	1.90E-08	5.89E-06	4.31E-06	2.49E-04
2624	490360.04	3858760.04	5.12E-04	3.05E-08	5.57E-06	4.87E-06	5.23E-04	2.42E-04	1.26E-02	4.18E-04	1.78E-04	1.34E-02	2.30E-04	2.50E-08	5.57E-06	4.87E-06	2.40E-04
2625	490410.04	3858760.04	5.14E-04	2.96E-08	5.55E-06	4.81E-06	5.25E-04	2.43E-04	1.22E-02	4.16E-04	1.76E-04	1.30E-02	2.31E-04	2.43E-08	5.55E-06	4.81E-06	2.41E-04
2626	490460.04	3858760.04	5.16E-04	2.88E-08	5.53E-06	4.76E-06	5.27E-04	2.44E-04	1.19E-02	4.15E-04	1.74E-04	1.27E-02	2.32E-04	2.36E-08	5.53E-06	4.76E-06	2.42E-04
2627	490510.04	3858760.04	5.18E-04	2.79E-08	5.51E-06	4.71E-06	5.28E-04	2.44E-04	1.15E-02	4.14E-04	1.73E-04	1.23E-02	2.32E-04	2.29E-08	5.51E-06	4.71E-06	2.43E-04
2628	490560.04	3858760.04	5.19E-04	2.72E-08	5.50E-06	4.66E-06	5.29E-04	2.45E-04	1.12E-02	4.13E-04	1.71E-04	1.20E-02	2.33E-04	2.23E-08	5.50E-06	4.66E-06	2.43E-04
2629	490610.04	3858760.04	5.19E-04	2.65E-08	5.49E-06	4.61E-06	5.30E-04	2.45E-04	1.09E-02	4.12E-04	1.69E-04	1.17E-02	2.33E-04	2.17E-08	5.49E-06	4.61E-06	2.43E-04
2630	490660.04	3858760.04	5.20E-04	2.59E-08	5.49E-06	4.57E-06	5.30E-04	2.45E-04	1.07E-02	4.12E-04	1.67E-04	1.15E-02	2.33E-04	2.12E-08	5.49E-06	4.57E-06	2.43E-04
2631	490710.04	3858760.04	5.19E-04	2.52E-08	5.48E-06	4.52E-06	5.29E-04	2.45E-04	1.04E-02	4.11E-04	1.66E-04	1.12E-02	2.33E-04	2.07E-08	5.48E-06	4.52E-06	2.43E-04
2632	490760.04	3858760.04	5.19E-04	2.45E-08	5.49E-06	4.48E-06	5.29E-04	2.45E-04	1.01E-02	4.12E-04	1.64E-04	1.09E-02	2.33E-04	2.01E-08	5.49E-06	4.48E-06	2.43E-04
2633	490810.04	3858760.04	5.18E-04	2.39E-08	5.49E-06	4.44E-06	5.28E-04	2.44E-04	9.83E-03	4.12E-04	1.63E-04	1.07E-02	2.32E-04	1.96E-08	5.49E-06	4.44E-06	2.42E-04
2634	490860.04	3858760.04	5.17E-04	2.33E-08	5.50E-06	4.40E-06	5.27E-04	2.44E-04	9.60E-03	4.12E-04	1.61E-04	1.04E-02	2.32E-04	1.91E-08	5.50E-06	4.40E-06	2.42E-04
2635	490360.04	3858810.04	4.93E-04	3.11E-08	5.13E-06	5.00E-06	5.03E-04	2.32E-04	1.28E-02	3.85E-04	1.83E-04	1.36E-02	2.21E-04	2.55E-08	5.13E-06	5.00E-06	2.31E-04
2636	490410.04	3858810.04	4.95E-04	3.02E-08	5.12E-06	4.94E-06	5.05E-04	2.34E-04	1.24E-02	3.84E-04	1.81E-04	1.32E-02	2.22E-04	2.48E-08	5.12E-06	4.94E-06	2.32E-04
2637	490460.04	3858810.04	4.98E-04	2.93E-08	5.11E-06	4.89E-06	5.08E-04	2.35E-04	1.21E-02	3.83E-04	1.79E-04	1.29E-02	2.23E-04	2.40E-08	5.11E-06	4.89E-06	2.33E-04
2638	490510.04	3858810.04	4.99E-04	2.86E-08	5.11E-06	4.83E-06	5.09E-04	2.35E-04	1.18E-02	3.83E-04	1.77E-04	1.26E-02	2.24E-04	2.34E-08	5.11E-06	4.83E-06	2.34E-04
2639	490560.04	3858810.04	5.01E-04	2.78E-08	5.10E-06	4.77E-06	5.10E-04	2.36E-04	1.15E-02	3.83E-04	1.75E-04	1.23E-02	2.24E-04	2.28E-08	5.10E-06	4.77E-06	2.34E-04
2640	490610.04	3858810.04	5.02E-04	2.69E-08	5.10E-06	4.72E-06	5.12E-04	2.37E-04	1.11E-02	3.82E-04	1.73E-04	1.19E-02	2.25E-04	2.21E-08	5.10E-06	4.72E-06	2.35E-04
2641	490660.04	3858810.04	5.02E-04	2.62E-08	5.10E-06	4.67E-06	5.12E-04	2.37E-04	1.08E-02	3.82E-04	1.71E-04	1.16E-02	2.25E-04	2.15E-08	5.10E-06	4.67E-06	2.35E-04
2642	490710.04	3858810.04	5.03E-04	2.54E-08	5.10E-06	4.63E-06	5.13E-04	2.37E-04	1.05E-02	3.83E-04	1.70E-04	1.13E-02	2.26E-04	2.09E-08	5.10E-06	4.63E-06	2.35E-04
2643	490760.04	3858810.04	5.03E-04	2.45E-08	5.12E-06	4.58E-06	5.13E-04	2.37E-04	1.01E-02	3.84E-04	1.68E-04	1.09E-02	2.26E-04	2.01E-08	5.12E-06	4.58E-06	2.35E-04
2644	490810.04	3858810.04	5.02E-04	2.41E-08	5.12E-06	4.53E-06	5.12E-04	2.37E-04	9.92E-03	3.84E-04	1.66E-04	1.07E-02	2.25E-04	1.98E-08	5.12E-06	4.53E-06	2.35E-04
2645	490860.04	3858810.04	5.02E-04	2.34E-08	5.14E-06	4.49E-06	5.11E-04	2.37E-04	9.63E-03	3.85E-04	1.65E-04	1.04E-02	2.25E-04	1.92E-08	5.14E-06	4.49E-06	2.35E-04
2646	490360.04	3858860.04	4.74E-04	3.16E-08	4.73E-06	5.14E-06	4.84E-04	2.24E-04	1.30E-02	3.54E-04	1.89E-04	1.38E-02	2.13E-04	2.59E-08	4.73E-06	5.14E-06	2.22E-04
2647	490410.04	3858860.04	4.76E-04	3.09E-08	4.73E-06	5.07E-06	4.86E-04	2.25E-04	1.27E-02	3.55E-04	1.86E-04	1.35E-02	2.14E-04	2.53E-08	4.73E-06	5.07E-06	2.23E-04
2648	490460.04	3858860.04	4.79E-04	2.98E-08	4.73E-06	5.01E-06	4.89E-04	2.26E-04	1.23E-02	3.55E-04	1.84E-04	1.31E-02	2.15E-04	2.45E-08	4.73E-06	5.01E-06	2.25E-04
2649	490510.04	3858860.04	4.81E-04	2.92E-08	4.73E-06	4.95E-06	4.90E-04	2.27E-04	1.20E-02	3.55E-04	1.81E-04	1.28E-02	2.16E-04	2.40E-08	4.73E-06	4.95E-06	2.25E-04
2650	490560.04	3858860.04	4.83E-04	2.83E-08	4.73E-06	4.89E-06	4.92E-04	2.28E-04	1.17E-02	3.55E-04	1.79E-04	1.24E-02	2.16E-04	2.32E-08	4.73E-06	4.89E-06	2.26E-04
2651	490610.04	3858860.04	4.84E-04	2.72E-08	4.74E-06	4.83E-06	4.94E-04	2.28E-04	1.12E-02	3.55E-04	1.77E-04	1.20E-02	2.17E-04	2.23E-08	4.74E-06	4.83E-06	2.27E-04
2652	490660.04	3858860.04	4.85E-04	2.65E-08	4.74E-06	4.78E-06	4.95E-04	2.29E-04	1.09E-02	3.56E-04	1.75E-04	1.17E-02	2.18E-04	2.17E-08	4.74E-06	4.78E-06	2.27E-04
2653	490710.04	3858860.04	4.86E-04	2.59E-08	4.75E-06	4.72E-06	4.96E-04	2.29E-04	1.07E-02	3.56E-04	1.73E-04	1.14E-02	2.18E-04	2.12E-08	4.75E-06	4.72E-06	2.27E-04
2654	490760.04	3858860.04	4.87E-04	2.49E-08	4.77E-06	4.67E-06	4.96E-04	2.29E-04	1.03E-02	3.57E-04	1.71E-04	1.10E-02	2.18E-04	2.05E-08	4.77E-06	4.67E-06	2.28E-04
2655	490810.04	3858860.04	4.87E-04	2.41E-08	4.79E-06	4.62E-06	4.96E-04	2.30E-04	9.93E-03	3.59E-04	1.69E-04	1.07E-02	2.18E-04	1.98E-08	4.79E-06	4.62E-06	2.28E-04
2656	490860.04	3858860.04	4.86E-04	2.33E-08	4.81E-06	4.58E-06	4.96E-04	2.29E-04	9.60E-03	3.61E-04	1.68E-04	1.04E-02	2.18E-04	1.91E-08	4.81E-06	4.58E-06	2.27E-04
2657	490360.04	3858910.04	4.54E-04	3.25E-08	4.36E-06	5.28E-06	4.64E-04	2.14E-04	1.34E-02	3.27E-04	1.94E-04	1.41E-02	2.04E-04	2.67E-08	4.36E-06	5.28E-06	2.13E-04
2658	490410.04	3858910.04	4.57E-04	3.16E-08	4.37E-06	5.21E-06	4.67E-04	2.16E-04	1.30E-02	3.28E-04	1.91E-04	1.37E-02	2.05E-04	2.59E-08	4.37E-06	5.21E-06	2.15E-04
2659	490460.04	3858910.04	4.60E-04	3.06E-08	4.38E-06	5.13E-06	4.69E-04	2.17E-04	1.26E-02	3.28E-04	1.88E-04	1.33E-02	2.06E-04	2.51E-08	4.38E-06	5.13E-06	2.16E-04
2660	490510.04	3858910.04	4.63E-04	2.96E-08	4.39E-06	5.06E-06	4.72E-04	2.18E-04	1.22E-02	3.29E-04	1.86E-04	1.29E-02	2.07E-04	2.43E-08	4.39E-06	5.06E-06	2.17E-04
2661	490560.04	3858910.04	4.65E-04	2.86E-08	4.39E-06	5.00E-06	4.74E-04	2.19E-04	1.18E-02	3.30E-04	1.83E-04	1.25E-02	2.09E-04	2.34E-08	4.39E-06	5.00E-06	2.18E-04
2662	490610.04	3858910.04	4.67E-04	2.76E-08	4.41E-06	4.94E-06	4.76E-04	2.20E-04	1.14E-02	3.30E-04	1.81E-04	1.21E-02	2.09E-04	2.26E-08	4.41E-06	4.94E-06	2.19E-04
2663	490660.04	3858910.04	4.68E-04	2.67E-08	4.42E-06	4.88E-06	4.78E-04	2.21E-04	1.10E-02	3.31E-04	1.79E-04	1.17E-02	2.10E-04	2.19E-08	4.42E-06	4.88E-06	2.19E-04
2664	490710.04	3858910.04	4.70E-04	2.58E-08	4.43E-06	4.82E-06	4.79E-04	2.21E-04	1.06E-02	3.33E-04	1.77E-04	1.14E-02	2.11E-04	2.12E-08	4.43E-06	4.82E-06	2.20E-04
2665	490760.04	3858910.04	4.70E-04	2.49E-08	4.46E-06	4.76E-06	4.80E-04	2.22E-04	1.02E-02	3.34E-04	1.75E-04	1.10E-02	2.11E-04	2.04E-08	4.46E-06	4.76E-06	2.20E-04
2666	490810.04	3858910.04	4.71E-04	2.41E-08	4.48E-06	4.71E-06	4.80E-04	2.22E-04	9.94E-03	3.36E-04	1.73E-04	1.07E-02	2.11E-04	1.98E-08	4.48E-06	4.71E-06	2.20E-04
2667	490860.04	3858910.04	4.71E-04	2.32E-08	4.51E-06	4.66E-06	4.80E-04	2.22E-04	9.56E-03	3.38E-04	1.71E-04	1.03E-02	2.11E-04	1.90E-08	4.51E-06	4.66E-06	2.20E-04
2668	490360.04	3858960.04	4.36E-04	3.30E-08	4.01E-06	5.42E-06	4.45E-04	2.05E-04	1.36E-02	3.01E-04	1.99E-04	1.43E-02	1.95E-04	2.71E-08	4.01E-06	5.42E-06	2.05E-04
2669	490410.04	3858960.04	4.39E-04	3.19E-08	4.03E-06	5.33E-06	4.48E-04	2.07E-04	1.32E-02	3.02E-04	1.96E-04	1.39E-02	1.97E-04	2.62E-08	4.03E-06	5.33E-06	2.06E-04
2670	490460.04	3858960.04	4.42E-04	3.08E-08	4.04E-06	5.25E-06	4.51E-04	2.09E-04	1.27E-02	3.03E-04	1.93E-04	1.34E-02	1.98E-04	2.53E-08	4.04E-06	5.25E-06	2.08E-04
2671	490510.04	3858960.04	4.45E-04	2.98E-08	4.06E-06	5.18E-06	4.54E-04	2.10E-04	1.23E-02	3.05E-04	1.90E-04	1.30E-02	2.00E-04	2.44E-08	4.06E-06	5.18E-06	2.09E-04
2672	490560.04	3858960.04	4.47E-04	2.88E-08	4.08E-06	5.11E-06	4.57E-04	2.11E-04	1.19E-02	3.06E-04	1.87E-04	1.26E-02	2.01E-04	2.36E-08	4.08E-06	5.11E-06	2.10E-04
2673	490610.04	3858960.04	4.50E-04	2.76E-08	4.10E-06	5.04E-06	4.59E-04	2.12E-04	1.14E-02	3.07E-04	1.85E-04	1.21E-02	2.02E-04	2.27E-08	4.10E-06	5.04E-06	2.11E-04
2674	490660.04	3858960.04	4.51E-04	2.70E-08	4.11E-06	4.97E-06	4.60E-04	2.13E-04	1.11E-02	3.08E-04	1.82E-04	1.18E-02	2.02E-04	2.21E-08	4.11E-06	4.97E-06	2.11E-04
2675	490710.04	3858960.04	4.53E-04	2.59E-08	4.14E-06	4.91E-06	4.62E-04	2.14E-04	1.07E-02	3.10E-04	1.80E-04	1.14E-02	2.03E-04	2.13E-08	4.14E-06	4.91E-06	2.12E-04
2676	490760.04	3858960.04	4.54E-04	2.50E-08	4.16E-06	4.85E-06	4.63E-04	2.14E-04	1.03E-02	3.12E-04	1.78E-04	1.10E-02	2.04E-04	2.05E-08	4.16E-06	4.85E-06	2.13E-04
2677	490810.04	3858960.04	4.55E-04	2.41E-08	4.19E-06	4.79E-06	4.64E-04	2.14E-04	9.92E-03	3.14E-04	1.76E-04	1.06E-02	2.04E-04	1.98E-08	4.19E-06	4.79E-06	2.13E-04
2678	490860.04	3858960.04	4.55E-04	2.31E-08	4.23E-06	4.74E-06	4.64E-04	2.15E-04	9.51E-03	3.17E-04	1.74E-04	1.02E-02	2.04E-04	1.89E-08	4.23E-06	4.74E-06	2.13E-04
2679	490360.04	3859010.04	4.18E-04	3.35E-08	3.69E-06	5.54E-06	4.27E-04	1.97E-04	1.38E-02	2.77E-04	2.03E-04	1.45E-02	1.87E-04	2.75E-08	3.69E-06	5.54E-06	1.97E-04
2680	490410.04	3859010.04	4.21E-04	3.22E-08	3.71E-06	5.45E-06	4.31E-04	1.99E-04	1.33E-02	2.79E-04	2.00E-04	1.40E-02	1.89E-04	2.65E-08	3.71E-06	5.45E-06	1.98E-04

2681	490460.04	3859010.04	4.25E-04	3.09E-08	3.74E-06	5.37E-06	4.34E-04	2.00E-04	1.27E-02	2.80E-04	1.97E-04	1.34E-02	1.91E-04	2.53E-08	3.74E-06	5.37E-06	2.00E-04
2682	490510.04	3859010.04	4.28E-04	2.96E-08	3.76E-06	5.29E-06	4.37E-04	2.02E-04	1.22E-02	2.82E-04	1.94E-04	1.29E-02	1.92E-04	2.43E-08	3.76E-06	5.29E-06	2.01E-04
2683	490560.04	3859010.04	4.30E-04	2.88E-08	3.78E-06	5.21E-06	4.39E-04	2.03E-04	1.19E-02	2.84E-04	1.91E-04	1.25E-02	1.93E-04	2.36E-08	3.78E-06	5.21E-06	2.02E-04
2684	490610.04	3859010.04	4.33E-04	2.76E-08	3.81E-06	5.14E-06	4.42E-04	2.04E-04	1.14E-02	2.86E-04	1.88E-04	1.21E-02	1.94E-04	2.27E-08	3.81E-06	5.14E-06	2.03E-04
2685	490660.04	3859010.04	4.34E-04	2.70E-08	3.83E-06	5.06E-06	4.43E-04	2.05E-04	1.11E-02	2.87E-04	1.85E-04	1.18E-02	1.95E-04	2.22E-08	3.83E-06	5.06E-06	2.04E-04
2686	490710.04	3859010.04	4.36E-04	2.59E-08	3.86E-06	4.99E-06	4.45E-04	2.06E-04	1.07E-02	2.90E-04	1.83E-04	1.13E-02	1.96E-04	2.12E-08	3.86E-06	4.99E-06	2.05E-04
2687	490760.04	3859010.04	4.38E-04	2.49E-08	3.89E-06	4.93E-06	4.46E-04	2.06E-04	1.02E-02	2.92E-04	1.81E-04	1.09E-02	1.96E-04	2.04E-08	3.89E-06	4.93E-06	2.05E-04
2688	490810.04	3859010.04	4.39E-04	2.39E-08	3.93E-06	4.87E-06	4.47E-04	2.07E-04	9.84E-03	2.95E-04	1.79E-04	1.05E-02	1.97E-04	1.96E-08	3.93E-06	4.87E-06	2.05E-04
2689	490860.04	3859010.04	4.39E-04	2.30E-08	3.96E-06	4.81E-06	4.48E-04	2.07E-04	9.49E-03	2.97E-04	1.77E-04	1.02E-02	1.97E-04	1.89E-08	3.96E-06	4.81E-06	2.06E-04
2690	490360.04	3859060.04	4.01E-04	3.37E-08	3.40E-06	5.66E-06	4.11E-04	1.89E-04	1.39E-02	2.55E-04	2.08E-04	1.46E-02	1.80E-04	2.77E-08	3.40E-06	5.66E-06	1.89E-04
2691	490410.04	3859060.04	4.05E-04	3.21E-08	3.42E-06	5.57E-06	4.14E-04	1.91E-04	1.32E-02	2.57E-04	2.04E-04	1.39E-02	1.82E-04	2.64E-08	3.42E-06	5.57E-06	1.91E-04
2692	490460.04	3859060.04	4.08E-04	3.08E-08	3.45E-06	5.48E-06	4.17E-04	1.92E-04	1.27E-02	2.59E-04	2.01E-04	1.34E-02	1.83E-04	2.53E-08	3.45E-06	5.48E-06	1.92E-04
2693	490510.04	3859060.04	4.11E-04	2.97E-08	3.48E-06	5.39E-06	4.20E-04	1.94E-04	1.22E-02	2.61E-04	1.98E-04	1.29E-02	1.84E-04	2.44E-08	3.48E-06	5.39E-06	1.93E-04
2694	490560.04	3859060.04	4.14E-04	2.85E-08	3.51E-06	5.31E-06	4.22E-04	1.95E-04	1.17E-02	2.63E-04	1.95E-04	1.24E-02	1.85E-04	2.34E-08	3.51E-06	5.31E-06	1.94E-04
2695	490610.04	3859060.04	4.16E-04	2.76E-08	3.54E-06	5.22E-06	4.25E-04	1.96E-04	1.14E-02	2.65E-04	1.92E-04	1.20E-02	1.86E-04	2.26E-08	3.54E-06	5.22E-06	1.95E-04
2696	490660.04	3859060.04	4.18E-04	2.68E-08	3.57E-06	5.15E-06	4.27E-04	1.97E-04	1.10E-02	2.67E-04	1.89E-04	1.17E-02	1.87E-04	2.20E-08	3.57E-06	5.15E-06	1.96E-04
2697	490710.04	3859060.04	4.20E-04	2.56E-08	3.60E-06	5.08E-06	4.28E-04	1.98E-04	1.06E-02	2.70E-04	1.86E-04	1.12E-02	1.88E-04	2.10E-08	3.60E-06	5.08E-06	1.97E-04
2698	490760.04	3859060.04	4.21E-04	2.46E-08	3.64E-06	5.01E-06	4.30E-04	1.99E-04	1.01E-02	2.73E-04	1.84E-04	1.08E-02	1.89E-04	2.02E-08	3.64E-06	5.01E-06	1.98E-04
2699	490810.04	3859060.04	4.22E-04	2.36E-08	3.68E-06	4.95E-06	4.31E-04	1.99E-04	9.73E-03	2.76E-04	1.82E-04	1.04E-02	1.89E-04	1.94E-08	3.68E-06	4.95E-06	1.98E-04
2700	490860.04	3859060.04	4.22E-04	2.27E-08	3.72E-06	4.89E-06	4.31E-04	1.99E-04	9.36E-03	2.79E-04	1.79E-04	1.00E-02	1.89E-04	1.87E-08	3.72E-06	4.89E-06	1.98E-04
2701	490360.04	3859110.04	3.86E-04	3.42E-08	3.14E-06	5.77E-06	3.94E-04	1.82E-04	1.41E-02	2.36E-04	2.12E-04	1.47E-02	1.73E-04	2.80E-08	3.14E-06	5.77E-06	1.82E-04
2702	490410.04	3859110.04	3.89E-04	3.25E-08	3.16E-06	5.67E-06	3.98E-04	1.83E-04	1.34E-02	2.37E-04	2.08E-04	1.40E-02	1.74E-04	2.67E-08	3.16E-06	5.67E-06	1.83E-04
2703	490460.04	3859110.04	3.92E-04	3.13E-08	3.19E-06	5.57E-06	4.00E-04	1.85E-04	1.29E-02	2.39E-04	2.04E-04	1.35E-02	1.76E-04	2.57E-08	3.19E-06	5.57E-06	1.84E-04
2704	490510.04	3859110.04	3.95E-04	2.96E-08	3.22E-06	5.48E-06	4.03E-04	1.86E-04	1.22E-02	2.41E-04	2.01E-04	1.28E-02	1.77E-04	2.43E-08	3.22E-06	5.48E-06	1.86E-04
2705	490560.04	3859110.04	3.97E-04	2.84E-08	3.25E-06	5.39E-06	4.06E-04	1.87E-04	1.17E-02	2.44E-04	1.98E-04	1.23E-02	1.78E-04	2.33E-08	3.25E-06	5.39E-06	1.87E-04
2706	490610.04	3859110.04	4.00E-04	2.72E-08	3.28E-06	5.31E-06	4.08E-04	1.88E-04	1.12E-02	2.46E-04	1.95E-04	1.18E-02	1.79E-04	2.23E-08	3.28E-06	5.31E-06	1.88E-04
2707	490660.04	3859110.04	4.01E-04	2.60E-08	3.32E-06	5.24E-06	4.10E-04	1.89E-04	1.07E-02	2.49E-04	1.92E-04	1.13E-02	1.80E-04	2.13E-08	3.32E-06	5.24E-06	1.89E-04
2708	490710.04	3859110.04	4.03E-04	2.52E-08	3.36E-06	5.16E-06	4.12E-04	1.90E-04	1.04E-02	2.52E-04	1.89E-04	1.10E-02	1.81E-04	2.07E-08	3.36E-06	5.16E-06	1.89E-04
2709	490760.04	3859110.04	4.05E-04	2.42E-08	3.40E-06	5.10E-06	4.14E-04	1.91E-04	9.99E-03	2.55E-04	1.87E-04	1.06E-02	1.82E-04	1.99E-08	3.40E-06	5.10E-06	1.90E-04
2710	490810.04	3859110.04	4.05E-04	2.32E-08	3.45E-06	5.03E-06	4.14E-04	1.91E-04	9.55E-03	2.58E-04	1.85E-04	1.02E-02	1.82E-04	1.90E-08	3.45E-06	5.03E-06	1.90E-04
2711	490860.04	3859110.04	4.06E-04	2.22E-08	3.49E-06	4.97E-06	4.14E-04	1.91E-04	9.14E-03	2.62E-04	1.82E-04	9.78E-03	1.82E-04	1.82E-08	3.49E-06	4.97E-06	1.90E-04
2712	490360.04	3859160.04	3.71E-04	3.47E-08	2.92E-06	5.86E-06	3.79E-04	1.75E-04	1.43E-02	2.19E-04	2.15E-04	1.49E-02	1.66E-04	2.85E-08	2.92E-06	5.86E-06	1.75E-04
2713	490410.04	3859160.04	3.74E-04	3.30E-08	2.93E-06	5.75E-06	3.82E-04	1.76E-04	1.36E-02	2.20E-04	2.11E-04	1.42E-02	1.68E-04	2.71E-08	2.93E-06	5.75E-06	1.76E-04
2714	490460.04	3859160.04	3.76E-04	3.16E-08	2.96E-06	5.65E-06	3.85E-04	1.77E-04	1.30E-02	2.22E-04	2.07E-04	1.36E-02	1.69E-04	2.59E-08	2.96E-06	5.65E-06	1.77E-04
2715	490510.04	3859160.04	3.79E-04	3.02E-08	2.98E-06	5.55E-06	3.87E-04	1.79E-04	1.24E-02	2.24E-04	2.04E-04	1.30E-02	1.70E-04	2.47E-08	2.98E-06	5.55E-06	1.78E-04
2716	490560.04	3859160.04	3.81E-04	2.86E-08	3.01E-06	5.47E-06	3.90E-04	1.80E-04	1.18E-02	2.26E-04	2.01E-04	1.24E-02	1.71E-04	2.35E-08	3.01E-06	5.47E-06	1.80E-04
2717	490610.04	3859160.04	3.84E-04	2.75E-08	3.04E-06	5.38E-06	3.92E-04	1.81E-04	1.13E-02	2.28E-04	1.97E-04	1.19E-02	1.72E-04	2.26E-08	3.04E-06	5.38E-06	1.81E-04
2718	490660.04	3859160.04	3.86E-04	2.56E-08	3.09E-06	5.32E-06	3.94E-04	1.82E-04	1.06E-02	2.32E-04	1.95E-04	1.12E-02	1.73E-04	2.10E-08	3.09E-06	5.32E-06	1.81E-04
2719	490710.04	3859160.04	3.87E-04	2.48E-08	3.13E-06	5.24E-06	3.96E-04	1.83E-04	1.02E-02	2.35E-04	1.92E-04	1.08E-02	1.74E-04	2.03E-08	3.13E-06	5.24E-06	1.82E-04
2720	490760.04	3859160.04	3.87E-04	2.35E-08	3.18E-06	5.18E-06	3.96E-04	1.83E-04	9.67E-03	2.38E-04	1.90E-04	1.03E-02	1.74E-04	1.93E-08	3.18E-06	5.18E-06	1.82E-04
2721	490810.04	3859160.04	3.89E-04	2.27E-08	3.22E-06	5.11E-06	3.97E-04	1.83E-04	9.35E-03	2.41E-04	1.87E-04	9.96E-03	1.74E-04	1.86E-08	3.22E-06	5.11E-06	1.83E-04
2722	490860.04	3859160.04	3.89E-04	2.19E-08	3.26E-06	5.04E-06	3.98E-04	1.84E-04	9.01E-03	2.45E-04	1.85E-04	9.62E-03	1.75E-04	1.79E-08	3.26E-06	5.04E-06	1.83E-04
2723	490360.04	3859210.04	3.57E-04	3.51E-08	2.72E-06	5.95E-06	3.66E-04	1.68E-04	1.45E-02	2.04E-04	2.18E-04	1.51E-02	1.60E-04	2.88E-08	2.72E-06	5.95E-06	1.69E-04
2724	490410.04	3859210.04	3.59E-04	3.39E-08	2.74E-06	5.82E-06	3.67E-04	1.69E-04	1.40E-02	2.05E-04	2.14E-04	1.46E-02	1.61E-04	2.79E-08	2.74E-06	5.82E-06	1.70E-04
2725	490460.04	3859210.04	3.62E-04	3.19E-08	2.75E-06	5.72E-06	3.70E-04	1.71E-04	1.31E-02	2.06E-04	2.10E-04	1.37E-02	1.62E-04	2.61E-08	2.75E-06	5.72E-06	1.71E-04
2726	490510.04	3859210.04	3.64E-04	3.03E-08	2.78E-06	5.62E-06	3.73E-04	1.72E-04	1.25E-02	2.08E-04	2.06E-04	1.31E-02	1.63E-04	2.49E-08	2.78E-06	5.62E-06	1.72E-04
2727	490560.04	3859210.04	3.66E-04	2.92E-08	2.80E-06	5.52E-06	3.75E-04	1.73E-04	1.20E-02	2.10E-04	2.03E-04	1.26E-02	1.64E-04	2.40E-08	2.80E-06	5.52E-06	1.73E-04
2728	490610.04	3859210.04	3.69E-04	2.78E-08	2.83E-06	5.44E-06	3.77E-04	1.74E-04	1.15E-02	2.12E-04	1.99E-04	1.20E-02	1.65E-04	2.28E-08	2.83E-06	5.44E-06	1.74E-04
2729	490660.04	3859210.04	3.71E-04	2.60E-08	2.87E-06	5.37E-06	3.79E-04	1.75E-04	1.07E-02	2.15E-04	1.97E-04	1.13E-02	1.66E-04	2.14E-08	2.87E-06	5.37E-06	1.74E-04
2730	490710.04	3859210.04	3.72E-04	2.50E-08	2.90E-06	5.29E-06	3.81E-04	1.76E-04	1.03E-02	2.18E-04	1.94E-04	1.09E-02	1.67E-04	2.05E-08	2.90E-06	5.29E-06	1.75E-04
2731	490760.04	3859210.04	3.72E-04	2.36E-08	2.95E-06	5.24E-06	3.81E-04	1.76E-04	9.72E-03	2.21E-04	1.92E-04	1.03E-02	1.67E-04	1.94E-08	2.95E-06	5.24E-06	1.75E-04
2732	490810.04	3859210.04	3.74E-04	2.32E-08	2.98E-06	5.15E-06	3.82E-04	1.76E-04	9.55E-03	2.23E-04	1.89E-04	1.01E-02	1.68E-04	1.90E-08	2.98E-06	5.15E-06	1.76E-04
2733	490860.04	3859210.04	3.76E-04	2.27E-08	3.01E-06	5.06E-06	3.84E-04	1.77E-04	9.35E-03	2.26E-04	1.86E-04	9.94E-03	1.69E-04	1.86E-08	3.01E-06	5.06E-06	1.77E-04
2734	490360.04	3859260.04	3.45E-04	3.53E-08	2.54E-06	6.02E-06	3.53E-04	1.63E-04	1.46E-02	1.91E-04	2.21E-04	1.51E-02	1.55E-04	2.90E-08	2.54E-06	6.02E-06	1.63E-04
2735	490410.04	3859260.04	3.46E-04	3.40E-08	2.56E-06	5.89E-06	3.55E-04	1.63E-04	1.40E-02	1.92E-04	2.16E-04	1.46E-02	1.55E-04	2.79E-08	2.56E-06	5.89E-06	1.64E-04
2736	490460.04	3859260.04	3.48E-04	3.28E-08	2.58E-06	5.77E-06	3.57E-04	1.64E-04	1.35E-02	1.93E-04	2.12E-04	1.41E-02	1.56E-04	2.69E-08	2.58E-06	5.77E-06	1.65E-04
2737	490510.04	3859260.04	3.50E-04	3.17E-08	2.59E-06	5.66E-06	3.58E-04	1.65E-04	1.31E-02	1.95E-04	2.08E-04	1.36E-02	1.57E-04	2.60E-08	2.59E-06	5.66E-06	1.65E-04
2738	490560.04	3859260.04	3.52E-04	3.02E-08	2.61E-06	5.56E-06	3.60E-04	1.66E-04	1.25E-02	1.96E-04	2.04E-04	1.30E-02	1.58E-04	2.48E-08	2.61E-06	5.56E-06	1.66E-04
2739	490610.04	3859260.04	3.55E-04	2.84E-08	2.64E-06	5.48E-06	3.63E-04	1.67E-04	1.17E-02	1.98E-04	2.01E-04	1.23E-02	1.59E-04	2.33E-08	2.64E-06	5.48E-06	1.67E-04
2740	490660.04	3859260.04	3.56E-04	2.78E-08	2.66E-06	5.38E-06	3.65E-04	1.68E-04	1.14E-02	2.00E-04	1.97E-04	1.20E-02	1.60E-04	2.28E-08	2.66E-06	5.38E-06	1.68E-04
2741	490710.04	3859260.04	3.58E-04	2.67E-08	2.68E-06	5.29E-06	3.66E-04	1.69E-04	1.10E-02	2.01E-04	1.94E-04	1.16E-02	1.61E-04	2.19E-08	2.68E-06	5.29E-06	1.69E-04

2742	490760.04	3859260.04	3.60E-04	2.51E-08	2.72E-06	5.23E-06	3.68E-04	1.70E-04	1.03E-02	2.04E-04	1.92E-04	1.09E-02	1.62E-04	2.06E-08	2.72E-06	5.23E-06	1.69E-04
2743	490810.04	3859260.04	3.62E-04	2.45E-08	2.75E-06	5.15E-06	3.70E-04	1.71E-04	1.01E-02	2.06E-04	1.89E-04	1.06E-02	1.62E-04	2.01E-08	2.75E-06	5.15E-06	1.70E-04
2744	490860.04	3859260.04	3.64E-04	2.38E-08	2.78E-06	5.06E-06	3.72E-04	1.72E-04	9.82E-03	2.08E-04	1.86E-04	1.04E-02	1.63E-04	1.96E-08	2.78E-06	5.06E-06	1.71E-04
2745	490360.04	3859310.04	3.33E-04	3.61E-08	2.39E-06	6.09E-06	3.41E-04	1.57E-04	1.49E-02	1.79E-04	2.23E-04	1.54E-02	1.49E-04	2.96E-08	2.39E-06	6.09E-06	1.58E-04
2746	490410.04	3859310.04	3.34E-04	3.47E-08	2.40E-06	5.95E-06	3.43E-04	1.58E-04	1.43E-02	1.80E-04	2.18E-04	1.48E-02	1.50E-04	2.85E-08	2.40E-06	5.95E-06	1.58E-04
2747	490460.04	3859310.04	3.36E-04	3.34E-08	2.42E-06	5.82E-06	3.44E-04	1.58E-04	1.38E-02	1.82E-04	2.13E-04	1.43E-02	1.51E-04	2.74E-08	2.42E-06	5.82E-06	1.59E-04
2748	490510.04	3859310.04	3.37E-04	3.24E-08	2.44E-06	5.70E-06	3.45E-04	1.59E-04	1.34E-02	1.83E-04	2.09E-04	1.39E-02	1.51E-04	2.66E-08	2.44E-06	5.70E-06	1.59E-04
2749	490560.04	3859310.04	3.39E-04	3.14E-08	2.45E-06	5.59E-06	3.47E-04	1.60E-04	1.29E-02	1.84E-04	2.05E-04	1.35E-02	1.52E-04	2.57E-08	2.45E-06	5.59E-06	1.60E-04
2750	490610.04	3859310.04	3.41E-04	3.04E-08	2.47E-06	5.48E-06	3.49E-04	1.61E-04	1.25E-02	1.85E-04	2.01E-04	1.31E-02	1.53E-04	2.50E-08	2.47E-06	5.48E-06	1.61E-04
2751	490660.04	3859310.04	3.43E-04	2.93E-08	2.49E-06	5.38E-06	3.50E-04	1.62E-04	1.21E-02	1.87E-04	1.97E-04	1.26E-02	1.54E-04	2.41E-08	2.49E-06	5.38E-06	1.62E-04
2752	490710.04	3859310.04	3.45E-04	2.76E-08	2.51E-06	5.30E-06	3.53E-04	1.63E-04	1.14E-02	1.88E-04	1.94E-04	1.19E-02	1.55E-04	2.26E-08	2.51E-06	5.30E-06	1.63E-04
2753	490760.04	3859310.04	3.47E-04	2.65E-08	2.53E-06	5.22E-06	3.55E-04	1.64E-04	1.09E-02	1.90E-04	1.91E-04	1.14E-02	1.56E-04	2.17E-08	2.53E-06	5.22E-06	1.63E-04
2754	490810.04	3859310.04	3.49E-04	2.57E-08	2.55E-06	5.13E-06	3.56E-04	1.64E-04	1.06E-02	1.92E-04	1.88E-04	1.11E-02	1.56E-04	2.11E-08	2.55E-06	5.13E-06	1.64E-04
2755	490860.04	3859310.04	3.50E-04	2.48E-08	2.58E-06	5.06E-06	3.58E-04	1.65E-04	1.02E-02	1.94E-04	1.85E-04	1.07E-02	1.57E-04	2.03E-08	2.58E-06	5.06E-06	1.65E-04
2756	490360.04	3859360.04	3.21E-04	3.68E-08	2.25E-06	6.14E-06	3.30E-04	1.52E-04	1.52E-02	1.69E-04	2.25E-04	1.57E-02	1.44E-04	3.02E-08	2.25E-06	6.14E-06	1.53E-04
2757	490410.04	3859360.04	3.23E-04	3.57E-08	2.27E-06	6.00E-06	3.31E-04	1.52E-04	1.47E-02	1.70E-04	2.20E-04	1.52E-02	1.45E-04	2.93E-08	2.27E-06	6.00E-06	1.53E-04
2758	490460.04	3859360.04	3.24E-04	3.46E-08	2.29E-06	5.86E-06	3.32E-04	1.53E-04	1.43E-02	1.71E-04	2.15E-04	1.48E-02	1.45E-04	2.84E-08	2.29E-06	5.86E-06	1.53E-04
2759	490510.04	3859360.04	3.25E-04	3.35E-08	2.30E-06	5.73E-06	3.33E-04	1.53E-04	1.38E-02	1.73E-04	2.10E-04	1.44E-02	1.46E-04	2.75E-08	2.30E-06	5.73E-06	1.54E-04
2760	490560.04	3859360.04	3.27E-04	3.23E-08	2.31E-06	5.61E-06	3.35E-04	1.54E-04	1.33E-02	1.74E-04	2.06E-04	1.38E-02	1.46E-04	2.65E-08	2.31E-06	5.61E-06	1.54E-04
2761	490610.04	3859360.04	3.28E-04	3.11E-08	2.33E-06	5.49E-06	3.36E-04	1.55E-04	1.28E-02	1.75E-04	2.01E-04	1.33E-02	1.47E-04	2.55E-08	2.33E-06	5.49E-06	1.55E-04
2762	490660.04	3859360.04	3.30E-04	3.01E-08	2.34E-06	5.39E-06	3.38E-04	1.56E-04	1.24E-02	1.76E-04	1.98E-04	1.29E-02	1.48E-04	2.47E-08	2.34E-06	5.39E-06	1.56E-04
2763	490710.04	3859360.04	3.32E-04	2.88E-08	2.36E-06	5.30E-06	3.40E-04	1.57E-04	1.18E-02	1.77E-04	1.94E-04	1.24E-02	1.49E-04	2.36E-08	2.36E-06	5.30E-06	1.57E-04
2764	490760.04	3859360.04	3.34E-04	2.74E-08	2.38E-06	5.22E-06	3.42E-04	1.57E-04	1.13E-02	1.78E-04	1.91E-04	1.18E-02	1.50E-04	2.25E-08	2.38E-06	5.22E-06	1.57E-04
2765	490810.04	3859360.04	3.36E-04	2.69E-08	2.39E-06	5.12E-06	3.43E-04	1.58E-04	1.11E-02	1.80E-04	1.88E-04	1.16E-02	1.50E-04	2.21E-08	2.39E-06	5.12E-06	1.58E-04
2766	490860.04	3859360.04	3.37E-04	2.60E-08	2.41E-06	5.03E-06	3.45E-04	1.59E-04	1.07E-02	1.81E-04	1.85E-04	1.12E-02	1.51E-04	2.13E-08	2.41E-06	5.03E-06	1.59E-04
2767	490360.04	3859410.04	3.11E-04	3.75E-08	2.13E-06	6.19E-06	3.19E-04	1.47E-04	1.54E-02	1.60E-04	2.27E-04	1.60E-02	1.40E-04	3.07E-08	2.13E-06	6.19E-06	1.48E-04
2768	490410.04	3859410.04	3.12E-04	3.64E-08	2.15E-06	6.04E-06	3.20E-04	1.47E-04	1.50E-02	1.61E-04	2.21E-04	1.55E-02	1.40E-04	2.99E-08	2.15E-06	6.04E-06	1.48E-04
2769	490460.04	3859410.04	3.13E-04	3.53E-08	2.16E-06	5.89E-06	3.21E-04	1.47E-04	1.46E-02	1.62E-04	2.16E-04	1.51E-02	1.40E-04	2.90E-08	2.16E-06	5.89E-06	1.48E-04
2770	490510.04	3859410.04	3.14E-04	3.43E-08	2.18E-06	5.75E-06	3.22E-04	1.48E-04	1.41E-02	1.63E-04	2.11E-04	1.46E-02	1.41E-04	2.81E-08	2.18E-06	5.75E-06	1.49E-04
2771	490560.04	3859410.04	3.15E-04	3.33E-08	2.19E-06	5.62E-06	3.23E-04	1.49E-04	1.37E-02	1.64E-04	2.06E-04	1.42E-02	1.41E-04	2.73E-08	2.19E-06	5.62E-06	1.49E-04
2772	490610.04	3859410.04	3.16E-04	3.22E-08	2.21E-06	5.50E-06	3.24E-04	1.49E-04	1.33E-02	1.65E-04	2.02E-04	1.38E-02	1.42E-04	2.65E-08	2.21E-06	5.50E-06	1.50E-04
2773	490660.04	3859410.04	3.18E-04	3.09E-08	2.22E-06	5.39E-06	3.26E-04	1.50E-04	1.27E-02	1.66E-04	1.98E-04	1.32E-02	1.43E-04	2.54E-08	2.22E-06	5.39E-06	1.50E-04
2774	490710.04	3859410.04	3.20E-04	2.98E-08	2.23E-06	5.28E-06	3.27E-04	1.51E-04	1.23E-02	1.67E-04	1.94E-04	1.28E-02	1.43E-04	2.44E-08	2.23E-06	5.28E-06	1.51E-04
2775	490760.04	3859410.04	3.22E-04	2.84E-08	2.24E-06	5.20E-06	3.29E-04	1.52E-04	1.17E-02	1.68E-04	1.91E-04	1.22E-02	1.44E-04	2.33E-08	2.24E-06	5.20E-06	1.52E-04
2776	490810.04	3859410.04	3.23E-04	2.77E-08	2.26E-06	5.10E-06	3.31E-04	1.52E-04	1.14E-02	1.69E-04	1.87E-04	1.19E-02	1.45E-04	2.27E-08	2.26E-06	5.10E-06	1.52E-04
2777	490860.04	3859410.04	3.25E-04	2.73E-08	2.27E-06	5.00E-06	3.32E-04	1.53E-04	1.12E-02	1.70E-04	1.83E-04	1.17E-02	1.46E-04	2.24E-08	2.27E-06	5.00E-06	1.53E-04
2778	490360.04	3859460.04	3.02E-04	3.79E-08	2.02E-06	6.23E-06	3.10E-04	1.42E-04	1.56E-02	1.51E-04	2.28E-04	1.61E-02	1.35E-04	3.11E-08	2.02E-06	6.23E-06	1.44E-04
2779	490410.04	3859460.04	3.02E-04	3.68E-08	2.04E-06	6.06E-06	3.10E-04	1.43E-04	1.52E-02	1.53E-04	2.22E-04	1.57E-02	1.36E-04	3.02E-08	2.04E-06	6.06E-06	1.44E-04
2780	490460.04	3859460.04	3.03E-04	3.58E-08	2.05E-06	5.91E-06	3.11E-04	1.43E-04	1.47E-02	1.54E-04	2.17E-04	1.53E-02	1.36E-04	2.94E-08	2.05E-06	5.91E-06	1.44E-04
2781	490510.04	3859460.04	3.04E-04	3.48E-08	2.07E-06	5.76E-06	3.11E-04	1.43E-04	1.43E-02	1.55E-04	2.11E-04	1.48E-02	1.36E-04	2.85E-08	2.07E-06	5.76E-06	1.44E-04
2782	490560.04	3859460.04	3.04E-04	3.38E-08	2.08E-06	5.62E-06	3.12E-04	1.44E-04	1.39E-02	1.56E-04	2.06E-04	1.44E-02	1.37E-04	2.78E-08	2.08E-06	5.62E-06	1.44E-04
2783	490610.04	3859460.04	3.06E-04	3.28E-08	2.09E-06	5.49E-06	3.13E-04	1.44E-04	1.35E-02	1.57E-04	2.01E-04	1.40E-02	1.37E-04	2.69E-08	2.09E-06	5.49E-06	1.45E-04
2784	490660.04	3859460.04	3.07E-04	3.17E-08	2.10E-06	5.37E-06	3.15E-04	1.45E-04	1.31E-02	1.58E-04	1.97E-04	1.36E-02	1.38E-04	2.60E-08	2.10E-06	5.37E-06	1.45E-04
2785	490710.04	3859460.04	3.08E-04	3.08E-08	2.12E-06	5.26E-06	3.16E-04	1.45E-04	1.27E-02	1.59E-04	1.93E-04	1.32E-02	1.38E-04	2.53E-08	2.12E-06	5.26E-06	1.46E-04
2786	490760.04	3859460.04	3.10E-04	2.97E-08	2.13E-06	5.15E-06	3.17E-04	1.46E-04	1.23E-02	1.60E-04	1.89E-04	1.27E-02	1.39E-04	2.44E-08	2.13E-06	5.15E-06	1.46E-04
2787	490810.04	3859460.04	3.11E-04	2.88E-08	2.14E-06	5.06E-06	3.19E-04	1.47E-04	1.18E-02	1.60E-04	1.85E-04	1.23E-02	1.40E-04	2.36E-08	2.14E-06	5.06E-06	1.47E-04
2788	490860.04	3859460.04	3.13E-04	2.82E-08	2.15E-06	4.95E-06	3.20E-04	1.48E-04	1.16E-02	1.61E-04	1.82E-04	1.21E-02	1.40E-04	2.31E-08	2.15E-06	4.95E-06	1.47E-04
2789	490360.04	3859510.04	2.93E-04	3.81E-08	1.89E-06	6.24E-06	3.02E-04	1.38E-04	1.57E-02	1.42E-04	2.29E-04	1.62E-02	1.32E-04	3.13E-08	1.89E-06	6.24E-06	1.40E-04
2790	490410.04	3859510.04	2.93E-04	3.72E-08	1.93E-06	6.06E-06	3.01E-04	1.38E-04	1.53E-02	1.44E-04	2.22E-04	1.58E-02	1.32E-04	3.05E-08	1.93E-06	6.06E-06	1.40E-04
2791	490460.04	3859510.04	2.94E-04	3.62E-08	1.95E-06	5.90E-06	3.02E-04	1.39E-04	1.49E-02	1.46E-04	2.16E-04	1.54E-02	1.32E-04	2.97E-08	1.95E-06	5.90E-06	1.40E-04
2792	490510.04	3859510.04	2.94E-04	3.52E-08	1.97E-06	5.75E-06	3.02E-04	1.39E-04	1.45E-02	1.48E-04	2.11E-04	1.50E-02	1.32E-04	2.89E-08	1.97E-06	5.75E-06	1.40E-04
2793	490560.04	3859510.04	2.95E-04	3.43E-08	1.98E-06	5.60E-06	3.03E-04	1.39E-04	1.41E-02	1.48E-04	2.05E-04	1.46E-02	1.32E-04	2.81E-08	1.98E-06	5.60E-06	1.40E-04
2794	490610.04	3859510.04	2.96E-04	3.33E-08	1.99E-06	5.47E-06	3.03E-04	1.40E-04	1.37E-02	1.49E-04	2.00E-04	1.42E-02	1.33E-04	2.73E-08	1.99E-06	5.47E-06	1.40E-04
2795	490660.04	3859510.04	2.97E-04	3.23E-08	2.00E-06	5.34E-06	3.04E-04	1.40E-04	1.33E-02	1.50E-04	1.96E-04	1.38E-02	1.33E-04	2.65E-08	2.00E-06	5.34E-06	1.41E-04
2796	490710.04	3859510.04	2.98E-04	3.13E-08	2.01E-06	5.22E-06	3.05E-04	1.41E-04	1.29E-02	1.51E-04	1.91E-04	1.34E-02	1.34E-04	2.57E-08	2.01E-06	5.22E-06	1.41E-04
2797	490760.04	3859510.04	2.99E-04	3.04E-08	2.02E-06	5.11E-06	3.06E-04	1.41E-04	1.25E-02	1.52E-04	1.87E-04	1.30E-02	1.34E-04	2.50E-08	2.02E-06	5.11E-06	1.41E-04
2798	490810.04	3859510.04	3.00E-04	2.96E-08	2.04E-06	5.00E-06	3.08E-04	1.42E-04	1.22E-02	1.53E-04	1.83E-04	1.27E-02	1.35E-04	2.43E-08	2.04E-06	5.00E-06	1.42E-04
2799	490860.04	3859510.04	3.02E-04	2.88E-08	2.05E-06	4.90E-06	3.09E-04	1.42E-04	1.19E-02	1.53E-04	1.80E-04	1.23E-02	1.35E-04	2.36E-08	2.05E-06	4.90E-06	1.42E-04
2800	490360.04	3859560.04	2.86E-04	3.83E-08	1.78E-06	6.22E-06	2.94E-04	1.35E-04	1.58E-02	1.33E-04	2.28E-04	1.63E-02	1.28E-04	3.14E-08	1.78E-06	6.22E-06	1.36E-04
2801	490410.04	3859560.04	2.85E-04	3.74E-08	1.81E-06	6.04E-06	2.93E-04	1.35E-04	1.54E-02	1.36E-04	2.21E-04	1.59E-02	1.28E-04	3.07E-08	1.81E-06	6.04E-06	1.36E-04
2802	490460.04	3859560.04	2.85E-04	3.65E-08	1.84E-06	5.87E-06	2.93E-04	1.35E-04	1.50E-02	1.38E-04	2.15E-04	1.55E-02	1.28E-04	2.99E-08	1.84E-06	5.87E-06	1.36E-04

2803	490510.04	3859560.04	2.86E-04	3.55E-08	1.87E-06	5.71E-06	2.93E-04	1.35E-04	1.46E-02	1.40E-04	2.09E-04	1.51E-02	1.28E-04	2.91E-08	1.87E-06	5.71E-06	1.36E-04
2804	490560.04	3859560.04	2.86E-04	3.47E-08	1.89E-06	5.56E-06	2.94E-04	1.35E-04	1.43E-02	1.42E-04	2.04E-04	1.48E-02	1.28E-04	2.84E-08	1.89E-06	5.56E-06	1.36E-04
2805	490610.04	3859560.04	2.87E-04	3.37E-08	1.90E-06	5.42E-06	2.94E-04	1.35E-04	1.39E-02	1.42E-04	1.99E-04	1.44E-02	1.29E-04	2.77E-08	1.90E-06	5.42E-06	1.36E-04
2806	490660.04	3859560.04	2.88E-04	3.28E-08	1.91E-06	5.29E-06	2.95E-04	1.36E-04	1.35E-02	1.43E-04	1.94E-04	1.40E-02	1.29E-04	2.69E-08	1.91E-06	5.29E-06	1.36E-04
2807	490710.04	3859560.04	2.88E-04	3.19E-08	1.92E-06	5.16E-06	2.96E-04	1.36E-04	1.31E-02	1.44E-04	1.89E-04	1.36E-02	1.29E-04	2.62E-08	1.92E-06	5.16E-06	1.36E-04
2808	490760.04	3859560.04	2.90E-04	3.08E-08	1.93E-06	5.05E-06	2.97E-04	1.37E-04	1.27E-02	1.45E-04	1.85E-04	1.32E-02	1.30E-04	2.53E-08	1.93E-06	5.05E-06	1.37E-04
2809	490810.04	3859560.04	2.91E-04	3.00E-08	1.94E-06	4.94E-06	2.98E-04	1.37E-04	1.23E-02	1.45E-04	1.81E-04	1.28E-02	1.30E-04	2.46E-08	1.94E-06	4.94E-06	1.37E-04
2810	490860.04	3859560.04	2.92E-04	2.91E-08	1.95E-06	4.84E-06	2.99E-04	1.38E-04	1.20E-02	1.46E-04	1.77E-04	1.24E-02	1.31E-04	2.39E-08	1.95E-06	4.84E-06	1.38E-04
2811	490187.25	3859422.08	3.08E-04	4.15E-08	2.00E-06	6.84E-06	3.17E-04	1.45E-04	1.71E-02	1.50E-04	2.51E-04	1.76E-02	1.38E-04	3.40E-08	2.00E-06	6.84E-06	1.47E-04
2812	490237.25	3859422.08	3.08E-04	4.03E-08	2.04E-06	6.64E-06	3.17E-04	1.45E-04	1.66E-02	1.53E-04	2.43E-04	1.71E-02	1.38E-04	3.31E-08	2.04E-06	6.64E-06	1.47E-04
2813	490287.25	3859422.08	3.08E-04	3.92E-08	2.07E-06	6.45E-06	3.17E-04	1.45E-04	1.61E-02	1.55E-04	2.37E-04	1.67E-02	1.38E-04	3.22E-08	2.07E-06	6.45E-06	1.47E-04
2814	490337.25	3859422.08	3.09E-04	3.80E-08	2.09E-06	6.28E-06	3.17E-04	1.46E-04	1.57E-02	1.57E-04	2.30E-04	1.62E-02	1.38E-04	3.12E-08	2.09E-06	6.28E-06	1.47E-04
2815	490187.25	3859472.08	3.00E-04	4.16E-08	1.87E-06	6.90E-06	3.09E-04	1.42E-04	1.71E-02	1.41E-04	2.53E-04	1.77E-02	1.35E-04	3.41E-08	1.87E-06	6.90E-06	1.44E-04
2816	490237.25	3859472.08	3.00E-04	4.05E-08	1.91E-06	6.69E-06	3.09E-04	1.41E-04	1.67E-02	1.43E-04	2.45E-04	1.72E-02	1.35E-04	3.32E-08	1.91E-06	6.69E-06	1.43E-04
2817	490287.25	3859472.08	3.00E-04	3.94E-08	1.94E-06	6.49E-06	3.08E-04	1.41E-04	1.62E-02	1.46E-04	2.38E-04	1.67E-02	1.34E-04	3.23E-08	1.94E-06	6.49E-06	1.43E-04
2818	490337.25	3859472.08	3.00E-04	3.84E-08	1.97E-06	6.31E-06	3.08E-04	1.41E-04	1.58E-02	1.48E-04	2.31E-04	1.63E-02	1.34E-04	3.15E-08	1.97E-06	6.31E-06	1.43E-04
2819	490297.07	3859500.42	2.95E-04	3.93E-08	1.88E-06	6.47E-06	3.04E-04	1.39E-04	1.62E-02	1.41E-04	2.37E-04	1.67E-02	1.32E-04	3.22E-08	1.88E-06	6.47E-06	1.41E-04
2820	490327.07	3859500.42	2.95E-04	3.88E-08	1.89E-06	6.36E-06	3.03E-04	1.39E-04	1.60E-02	1.42E-04	2.33E-04	1.65E-02	1.32E-04	3.18E-08	1.89E-06	6.36E-06	1.41E-04
2821	490297.07	3859530.42	2.90E-04	3.95E-08	1.80E-06	6.47E-06	2.99E-04	1.37E-04	1.63E-02	1.35E-04	2.37E-04	1.68E-02	1.30E-04	3.24E-08	1.80E-06	6.47E-06	1.39E-04
2822	490327.07	3859530.42	2.90E-04	3.89E-08	1.82E-06	6.35E-06	2.98E-04	1.37E-04	1.60E-02	1.37E-04	2.33E-04	1.65E-02	1.30E-04	3.19E-08	1.82E-06	6.35E-06	1.38E-04
2823	490319.73	3859055.34	4.00E-04	3.50E-08	3.41E-06	5.74E-06	4.09E-04	1.89E-04	1.44E-02	2.56E-04	2.10E-04	1.51E-02	1.79E-04	2.87E-08	3.41E-06	5.74E-06	1.88E-04
2824	490319.73	3859105.34	3.84E-04	3.54E-08	3.15E-06	5.85E-06	3.93E-04	1.81E-04	1.46E-02	2.36E-04	2.15E-04	1.52E-02	1.72E-04	2.91E-08	3.15E-06	5.85E-06	1.81E-04
2825	490069.73	3859155.34	3.61E-04	4.21E-08	2.81E-06	6.67E-06	3.71E-04	1.70E-04	1.74E-02	2.10E-04	2.45E-04	1.80E-02	1.62E-04	3.46E-08	2.81E-06	6.67E-06	1.72E-04
2826	490119.73	3859155.34	3.62E-04	4.09E-08	2.84E-06	6.51E-06	3.72E-04	1.71E-04	1.69E-02	2.13E-04	2.39E-04	1.75E-02	1.62E-04	3.36E-08	2.84E-06	6.51E-06	1.72E-04
2827	490269.73	3859155.34	3.67E-04	3.75E-08	2.91E-06	6.08E-06	3.76E-04	1.73E-04	1.54E-02	2.18E-04	2.23E-04	1.61E-02	1.64E-04	3.08E-08	2.91E-06	6.08E-06	1.73E-04
2828	490319.73	3859155.34	3.69E-04	3.60E-08	2.92E-06	5.95E-06	3.78E-04	1.74E-04	1.48E-02	2.19E-04	2.18E-04	1.54E-02	1.66E-04	2.95E-08	2.92E-06	5.95E-06	1.75E-04
2829	490069.73	3859205.34	3.49E-04	4.30E-08	2.61E-06	6.81E-06	3.59E-04	1.65E-04	1.77E-02	1.96E-04	2.50E-04	1.83E-02	1.57E-04	3.53E-08	2.61E-06	6.81E-06	1.66E-04
2830	490119.73	3859205.34	3.49E-04	4.19E-08	2.65E-06	6.65E-06	3.59E-04	1.65E-04	1.73E-02	1.99E-04	2.44E-04	1.79E-02	1.57E-04	3.44E-08	2.65E-06	6.65E-06	1.66E-04
2831	490169.73	3859205.34	3.50E-04	4.07E-08	2.67E-06	6.48E-06	3.59E-04	1.65E-04	1.68E-02	2.01E-04	2.38E-04	1.74E-02	1.57E-04	3.34E-08	2.67E-06	6.48E-06	1.66E-04
2832	490219.73	3859205.34	3.52E-04	3.92E-08	2.69E-06	6.33E-06	3.61E-04	1.66E-04	1.62E-02	2.02E-04	2.32E-04	1.68E-02	1.58E-04	3.22E-08	2.69E-06	6.33E-06	1.67E-04
2833	490269.73	3859205.34	3.54E-04	3.76E-08	2.70E-06	6.18E-06	3.63E-04	1.67E-04	1.55E-02	2.03E-04	2.27E-04	1.61E-02	1.59E-04	3.08E-08	2.70E-06	6.18E-06	1.68E-04
2834	490319.73	3859205.34	3.56E-04	3.63E-08	2.72E-06	6.04E-06	3.65E-04	1.68E-04	1.50E-02	2.04E-04	2.22E-04	1.55E-02	1.60E-04	2.98E-08	2.72E-06	6.04E-06	1.69E-04
2835	490069.73	3859255.34	3.39E-04	4.34E-08	2.43E-06	6.94E-06	3.48E-04	1.60E-04	1.79E-02	1.82E-04	2.54E-04	1.85E-02	1.52E-04	3.56E-08	2.43E-06	6.94E-06	1.61E-04
2836	490119.73	3859255.34	3.39E-04	4.23E-08	2.47E-06	6.76E-06	3.48E-04	1.60E-04	1.74E-02	1.85E-04	2.48E-04	1.80E-02	1.52E-04	3.47E-08	2.47E-06	6.76E-06	1.61E-04
2837	490169.73	3859255.34	3.39E-04	4.11E-08	2.50E-06	6.59E-06	3.48E-04	1.60E-04	1.69E-02	1.87E-04	2.42E-04	1.75E-02	1.52E-04	3.37E-08	2.50E-06	6.59E-06	1.61E-04
2838	490219.73	3859255.34	3.40E-04	3.96E-08	2.51E-06	6.42E-06	3.49E-04	1.61E-04	1.63E-02	1.89E-04	2.36E-04	1.69E-02	1.53E-04	3.25E-08	2.51E-06	6.42E-06	1.62E-04
2839	490269.73	3859255.34	3.42E-04	3.81E-08	2.53E-06	6.27E-06	3.51E-04	1.61E-04	1.57E-02	1.90E-04	2.30E-04	1.63E-02	1.53E-04	3.13E-08	2.53E-06	6.27E-06	1.62E-04
2840	490319.73	3859255.34	3.44E-04	3.68E-08	2.55E-06	6.12E-06	3.52E-04	1.62E-04	1.52E-02	1.91E-04	2.25E-04	1.58E-02	1.54E-04	3.02E-08	2.55E-06	6.12E-06	1.63E-04
2841	490069.73	3859305.34	3.30E-04	4.37E-08	2.26E-06	7.06E-06	3.39E-04	1.56E-04	1.80E-02	1.70E-04	2.59E-04	1.86E-02	1.48E-04	3.58E-08	2.26E-06	7.06E-06	1.57E-04
2842	490119.73	3859305.34	3.29E-04	4.26E-08	2.30E-06	6.88E-06	3.38E-04	1.55E-04	1.75E-02	1.72E-04	2.52E-04	1.81E-02	1.48E-04	3.50E-08	2.30E-06	6.88E-06	1.57E-04
2843	490169.73	3859305.34	3.29E-04	4.14E-08	2.33E-06	6.69E-06	3.38E-04	1.55E-04	1.71E-02	1.75E-04	2.45E-04	1.76E-02	1.48E-04	3.40E-08	2.33E-06	6.69E-06	1.57E-04
2844	490219.73	3859305.34	3.30E-04	4.01E-08	2.36E-06	6.52E-06	3.39E-04	1.56E-04	1.65E-02	1.77E-04	2.39E-04	1.71E-02	1.48E-04	3.29E-08	2.36E-06	6.52E-06	1.57E-04
2845	490269.73	3859305.34	3.31E-04	3.87E-08	2.38E-06	6.35E-06	3.40E-04	1.56E-04	1.60E-02	1.78E-04	2.33E-04	1.65E-02	1.48E-04	3.18E-08	2.38E-06	6.35E-06	1.57E-04
2846	490319.73	3859305.34	3.32E-04	3.73E-08	2.39E-06	6.20E-06	3.41E-04	1.57E-04	1.54E-02	1.79E-04	2.27E-04	1.59E-02	1.49E-04	3.06E-08	2.39E-06	6.20E-06	1.58E-04
2847	490069.73	3859355.34	3.21E-04	4.40E-08	2.11E-06	7.19E-06	3.30E-04	1.51E-04	1.81E-02	1.58E-04	2.63E-04	1.87E-02	1.44E-04	3.61E-08	2.11E-06	7.19E-06	1.53E-04
2848	490119.73	3859355.34	3.20E-04	4.29E-08	2.14E-06	6.99E-06	3.29E-04	1.51E-04	1.77E-02	1.60E-04	2.56E-04	1.82E-02	1.43E-04	3.52E-08	2.14E-06	6.99E-06	1.53E-04
2849	490169.73	3859355.34	3.19E-04	4.17E-08	2.17E-06	6.79E-06	3.28E-04	1.51E-04	1.72E-02	1.63E-04	2.49E-04	1.77E-02	1.43E-04	3.42E-08	2.17E-06	6.79E-06	1.52E-04
2850	490219.73	3859355.34	3.20E-04	4.04E-08	2.21E-06	6.61E-06	3.29E-04	1.51E-04	1.66E-02	1.66E-04	2.42E-04	1.72E-02	1.43E-04	3.32E-08	2.21E-06	6.61E-06	1.52E-04
2851	490269.73	3859355.34	3.20E-04	3.92E-08	2.24E-06	6.43E-06	3.29E-04	1.51E-04	1.61E-02	1.68E-04	2.36E-04	1.67E-02	1.44E-04	3.22E-08	2.24E-06	6.43E-06	1.52E-04
2852	490319.73	3859355.34	3.21E-04	3.79E-08	2.25E-06	6.26E-06	3.30E-04	1.52E-04	1.56E-02	1.69E-04	2.30E-04	1.62E-02	1.44E-04	3.11E-08	2.25E-06	6.26E-06	1.53E-04
2853	490069.73	3859405.34	3.13E-04	4.42E-08	1.97E-06	7.30E-06	3.22E-04	1.48E-04	1.82E-02	1.47E-04	2.68E-04	1.88E-02	1.40E-04	3.62E-08	1.97E-06	7.30E-06	1.50E-04
2854	490119.73	3859405.34	3.12E-04	4.30E-08	2.00E-06	7.09E-06	3.21E-04	1.47E-04	1.77E-02	1.50E-04	2.60E-04	1.83E-02	1.40E-04	3.53E-08	2.00E-06	7.09E-06	1.49E-04
2855	490169.73	3859405.34	3.11E-04	4.18E-08	2.03E-06	6.88E-06	3.20E-04	1.47E-04	1.72E-02	1.52E-04	2.52E-04	1.78E-02	1.40E-04	3.43E-08	2.03E-06	6.88E-06	1.48E-04
2856	490219.73	3859405.34	3.11E-04	4.07E-08	2.07E-06	6.69E-06	3.20E-04	1.47E-04	1.68E-02	1.55E-04	2.45E-04	1.73E-02	1.39E-04	3.34E-08	2.07E-06	6.69E-06	1.48E-04
2857	490269.73	3859405.34	3.11E-04	3.95E-08	2.10E-06	6.50E-06	3.20E-04	1.47E-04	1.63E-02	1.58E-04	2.38E-04	1.68E-02	1.40E-04	3.24E-08	2.10E-06	6.50E-06	1.48E-04
2858	490319.73	3859405.34	3.12E-04	3.83E-08	2.13E-06	6.32E-06	3.20E-04	1.47E-04	1.58E-02	1.59E-04	2.32E-04	1.63E-02	1.40E-04	3.14E-08	2.13E-06	6.32E-06	1.48E-04
2859	490161.89	3859541.83	2.91E-04	4.21E-08	1.71E-06	7.04E-06	3.00E-04	1.37E-04	1.74E-02	1.29E-04	2.58E-04	1.79E-02	1.31E-04	3.46E-08	1.71E-06	7.04E-06	1.40E-04
2860	490171.89	3859541.83	2.91E-04	4.19E-08	1.72E-06	6.99E-06	3.00E-04	1.37E-04	1.73E-02	1.29E-04	2.56E-04	1.78E-02	1.31E-04	3.44E-08	1.72E-06	6.99E-06	1.39E-04
2861	490161.89	3859551.83	2.90E-04	4.21E-08	1.70E-06	7.04E-06	2.99E-04	1.37E-04	1.73E-02	1.27E-04	2.58E-04	1.79E-02	1.30E-04	3.46E-08	1.70E-06	7.04E-06	1.39E-04
2862	490171.89	3859551.83	2.90E-04	4.19E-08	1.70E-06	6.99E-06	2.99E-04	1.37E-04	1.73E-02	1.28E-04	2.56E-04	1.78E-02	1.30E-04	3.44E-08	1.70E-06	6.99E-06	1.39E-04
2863	489799.72	3859348.21	3.31E-04	5.13E-08	1.95E-06	8.45E-06	3.42E-04	1.56E-04	2.11E-02	1.47E-04	3.10E-04	2.18E-02	1.49E-04	4.21E-08	1.95E-06	8.45E-06	1.59E-04

2864	489819.72	3859348.21	3.30E-04	5.07E-08	1.97E-06	8.34E-06	3.41E-04	1.56E-04	2.09E-02	1.47E-04	3.06E-04	2.15E-02	1.48E-04	4.16E-08	1.97E-06	8.34E-06	1.58E-04
2865	489799.72	3859368.21	3.29E-04	5.13E-08	1.91E-06	8.53E-06	3.39E-04	1.55E-04	2.12E-02	1.43E-04	3.13E-04	2.18E-02	1.47E-04	4.21E-08	1.91E-06	8.53E-06	1.58E-04
2866	489819.72	3859368.21	3.28E-04	5.07E-08	1.92E-06	8.41E-06	3.38E-04	1.55E-04	2.09E-02	1.44E-04	3.09E-04	2.15E-02	1.47E-04	4.16E-08	1.92E-06	8.41E-06	1.57E-04
2867	489775.41	3859329.72	3.35E-04	5.22E-08	1.98E-06	8.52E-06	3.45E-04	1.58E-04	2.15E-02	1.49E-04	3.12E-04	2.21E-02	1.50E-04	4.28E-08	1.98E-06	8.52E-06	1.61E-04
2868	489795.41	3859329.72	3.34E-04	5.15E-08	2.00E-06	8.40E-06	3.44E-04	1.57E-04	2.12E-02	1.50E-04	3.08E-04	2.19E-02	1.50E-04	4.23E-08	2.00E-06	8.40E-06	1.60E-04
2869	489775.41	3859349.72	3.32E-04	5.22E-08	1.93E-06	8.59E-06	3.43E-04	1.57E-04	2.15E-02	1.45E-04	3.15E-04	2.21E-02	1.49E-04	4.28E-08	1.93E-06	8.59E-06	1.60E-04
2870	489795.41	3859349.72	3.31E-04	5.15E-08	1.95E-06	8.48E-06	3.42E-04	1.56E-04	2.12E-02	1.46E-04	3.11E-04	2.18E-02	1.49E-04	4.22E-08	1.95E-06	8.48E-06	1.59E-04
2871	489595.05	3859219.43	3.59E-04	5.86E-08	2.15E-06	8.99E-06	3.70E-04	1.69E-04	2.41E-02	1.61E-04	3.30E-04	2.48E-02	1.61E-04	4.81E-08	2.15E-06	8.99E-06	1.72E-04
2872	489615.05	3859219.43	3.58E-04	5.77E-08	2.17E-06	8.88E-06	3.69E-04	1.69E-04	2.38E-02	1.63E-04	3.26E-04	2.44E-02	1.61E-04	4.73E-08	2.17E-06	8.88E-06	1.72E-04
2873	489595.05	3859239.43	3.56E-04	5.89E-08	2.09E-06	9.13E-06	3.67E-04	1.68E-04	2.43E-02	1.57E-04	3.35E-04	2.49E-02	1.60E-04	4.83E-08	2.09E-06	9.13E-06	1.71E-04
2874	489615.05	3859239.43	3.55E-04	5.79E-08	2.11E-06	9.01E-06	3.66E-04	1.68E-04	2.39E-02	1.58E-04	3.30E-04	2.45E-02	1.59E-04	4.75E-08	2.11E-06	9.01E-06	1.71E-04
2875	489372.4	3859092.58	3.91E-04	6.70E-08	2.35E-06	8.85E-06	4.03E-04	1.85E-04	2.76E-02	1.76E-04	3.25E-04	2.83E-02	1.76E-04	5.50E-08	2.35E-06	8.85E-06	1.87E-04
2876	489422.4	3859092.58	3.89E-04	6.41E-08	2.42E-06	8.66E-06	4.00E-04	1.83E-04	2.64E-02	1.81E-04	3.18E-04	2.71E-02	1.74E-04	5.26E-08	2.42E-06	8.66E-06	1.85E-04
2877	489372.4	3859142.58	3.83E-04	6.88E-08	2.15E-06	9.43E-06	3.95E-04	1.81E-04	2.84E-02	1.62E-04	3.46E-04	2.90E-02	1.72E-04	5.65E-08	2.15E-06	9.43E-06	1.83E-04
2878	489422.4	3859142.58	3.80E-04	6.59E-08	2.22E-06	9.20E-06	3.92E-04	1.79E-04	2.71E-02	1.66E-04	3.37E-04	2.78E-02	1.71E-04	5.40E-08	2.22E-06	9.20E-06	1.82E-04
2879	488870.84	3858666.64	5.18E-04	4.94E-08	4.53E-06	6.45E-06	5.29E-04	2.44E-04	2.03E-02	3.40E-04	2.37E-04	2.12E-02	2.32E-04	4.05E-08	4.53E-06	6.45E-06	2.44E-04
2880	488900.84	3858666.64	5.16E-04	4.88E-08	4.70E-06	6.39E-06	5.27E-04	2.43E-04	2.01E-02	3.53E-04	2.34E-04	2.09E-02	2.32E-04	4.01E-08	4.70E-06	6.39E-06	2.43E-04
2881	488870.84	3858696.64	5.10E-04	5.24E-08	4.07E-06	6.60E-06	5.20E-04	2.40E-04	2.16E-02	3.05E-04	2.42E-04	2.24E-02	2.29E-04	4.30E-08	4.07E-06	6.60E-06	2.39E-04
2882	488900.84	3858696.64	5.08E-04	5.17E-08	4.22E-06	6.54E-06	5.18E-04	2.39E-04	2.13E-02	3.16E-04	2.40E-04	2.21E-02	2.28E-04	4.24E-08	4.22E-06	6.54E-06	2.38E-04
2883	488889.67	3858683.97	5.12E-04	5.06E-08	4.35E-06	6.50E-06	5.23E-04	2.41E-04	2.09E-02	3.27E-04	2.38E-04	2.17E-02	2.30E-04	4.15E-08	4.35E-06	6.50E-06	2.41E-04
2884	488919.67	3858683.97	5.10E-04	5.01E-08	4.51E-06	6.43E-06	5.21E-04	2.40E-04	2.06E-02	3.38E-04	2.36E-04	2.14E-02	2.29E-04	4.11E-08	4.51E-06	6.43E-06	2.40E-04
2885	488889.67	3858713.97	5.03E-04	5.38E-08	3.92E-06	6.66E-06	5.14E-04	2.37E-04	2.22E-02	2.94E-04	2.44E-04	2.29E-02	2.26E-04	4.41E-08	3.92E-06	6.66E-06	2.36E-04
2886	488919.67	3858713.97	5.01E-04	5.31E-08	4.06E-06	6.59E-06	5.12E-04	2.36E-04	2.19E-02	3.05E-04	2.42E-04	2.26E-02	2.25E-04	4.35E-08	4.06E-06	6.59E-06	2.36E-04
2887	488906.61	3858703.33	5.05E-04	5.23E-08	4.15E-06	6.56E-06	5.16E-04	2.38E-04	2.15E-02	3.11E-04	2.41E-04	2.23E-02	2.27E-04	4.29E-08	4.15E-06	6.56E-06	2.37E-04
2888	488936.61	3858703.33	5.03E-04	5.15E-08	4.30E-06	6.50E-06	5.14E-04	2.37E-04	2.12E-02	3.22E-04	2.38E-04	2.20E-02	2.26E-04	4.23E-08	4.30E-06	6.50E-06	2.37E-04
2889	488906.61	3858733.33	4.97E-04	5.54E-08	3.76E-06	6.73E-06	5.08E-04	2.35E-04	2.28E-02	2.82E-04	2.47E-04	2.36E-02	2.23E-04	4.55E-08	3.76E-06	6.73E-06	2.34E-04
2890	488936.61	3858733.33	4.95E-04	5.47E-08	3.89E-06	6.67E-06	5.06E-04	2.34E-04	2.25E-02	2.91E-04	2.45E-04	2.33E-02	2.22E-04	4.49E-08	3.89E-06	6.67E-06	2.33E-04
2891	488637.63	3858467.85	6.04E-04	4.11E-08	7.94E-06	6.54E-06	6.18E-04	2.85E-04	1.69E-02	5.95E-04	2.40E-04	1.80E-02	2.71E-04	3.37E-08	7.94E-06	6.54E-06	2.85E-04
2892	488662.63	3858467.85	6.01E-04	4.07E-08	8.30E-06	6.44E-06	6.16E-04	2.84E-04	1.68E-02	6.23E-04	2.36E-04	1.79E-02	2.70E-04	3.34E-08	8.30E-06	6.44E-06	2.84E-04
2893	488637.63	3858492.85	5.94E-04	4.21E-08	6.91E-06	6.64E-06	6.08E-04	2.80E-04	1.73E-02	5.18E-04	2.43E-04	1.84E-02	2.66E-04	3.46E-08	6.91E-06	6.64E-06	2.80E-04
2894	488662.63	3858492.85	5.92E-04	4.17E-08	7.22E-06	6.54E-06	6.06E-04	2.79E-04	1.72E-02	5.42E-04	2.40E-04	1.82E-02	2.65E-04	3.42E-08	7.22E-06	6.54E-06	2.79E-04
2895	488687.63	3858492.85	5.90E-04	4.13E-08	7.55E-06	6.44E-06	6.04E-04	2.78E-04	1.70E-02	5.66E-04	2.36E-04	1.81E-02	2.65E-04	3.39E-08	7.55E-06	6.44E-06	2.79E-04
2896	488637.63	3858517.85	5.84E-04	4.33E-08	6.06E-06	6.73E-06	5.97E-04	2.75E-04	1.78E-02	4.55E-04	2.47E-04	1.88E-02	2.62E-04	3.55E-08	6.06E-06	6.73E-06	2.75E-04
2897	488662.63	3858517.85	5.82E-04	4.28E-08	6.34E-06	6.63E-06	5.95E-04	2.75E-04	1.77E-02	4.75E-04	2.43E-04	1.86E-02	2.61E-04	3.52E-08	6.34E-06	6.63E-06	2.74E-04
2898	488687.63	3858517.85	5.80E-04	4.24E-08	6.61E-06	6.53E-06	5.93E-04	2.74E-04	1.75E-02	4.96E-04	2.40E-04	1.85E-02	2.60E-04	3.48E-08	6.61E-06	6.53E-06	2.73E-04
2899	488194.42	3857168.98	3.73E-03	1.87E-08	3.11E-06	2.35E-06	3.74E-03	1.76E-03	7.69E-03	2.33E-04	8.61E-05	9.77E-03	1.67E-03	1.53E-08	3.11E-06	2.35E-06	1.68E-03
2900	488244.42	3857168.98	3.60E-03	1.87E-08	3.16E-06	2.34E-06	3.60E-03	1.70E-03	7.69E-03	2.37E-04	8.59E-05	9.71E-03	1.61E-03	1.53E-08	3.16E-06	2.34E-06	1.62E-03
2901	488294.42	3857168.98	3.48E-03	1.86E-08	3.21E-06	2.34E-06	3.48E-03	1.64E-03	7.65E-03	2.41E-04	8.58E-05	9.62E-03	1.56E-03	1.52E-08	3.21E-06	2.34E-06	1.57E-03
2902	488244.42	3857218.98	3.38E-03	1.89E-08	3.44E-06	2.36E-06	3.38E-03	1.59E-03	7.80E-03	2.58E-04	8.64E-05	9.73E-03	1.51E-03	1.55E-08	3.44E-06	2.36E-06	1.52E-03
2903	488294.42	3857218.98	3.27E-03	1.89E-08	3.50E-06	2.36E-06	3.28E-03	1.54E-03	7.77E-03	2.62E-04	8.65E-05	9.66E-03	1.47E-03	1.55E-08	3.50E-06	2.36E-06	1.47E-03
2904	488294.42	3857268.98	3.06E-03	1.92E-08	3.84E-06	2.39E-06	3.06E-03	1.44E-03	7.91E-03	2.88E-04	8.76E-05	9.73E-03	1.37E-03	1.58E-08	3.84E-06	2.39E-06	1.38E-03
2905	488139.13	3857111.68	4.17E-03	1.85E-08	2.81E-06	2.37E-06	4.18E-03	1.97E-03	7.61E-03	2.11E-04	8.68E-05	9.87E-03	1.87E-03	1.52E-08	2.81E-06	2.37E-06	1.88E-03
2906	488189.13	3857111.68	4.00E-03	1.85E-08	2.83E-06	2.35E-06	4.01E-03	1.89E-03	7.62E-03	2.13E-04	8.63E-05	9.81E-03	1.80E-03	1.52E-08	2.83E-06	2.35E-06	1.80E-03
2907	488189.13	3857161.68	3.78E-03	1.87E-08	3.07E-06	2.35E-06	3.79E-03	1.78E-03	7.68E-03	2.30E-04	8.62E-05	9.78E-03	1.70E-03	1.53E-08	3.07E-06	2.35E-06	1.70E-03
2908	487951.04	3856961.26	5.68E-03	1.82E-08	2.55E-06	2.50E-06	5.68E-03	2.68E-03	7.49E-03	1.91E-04	9.16E-05	1.04E-02	2.55E-03	1.49E-08	2.55E-06	2.50E-06	2.55E-03
2909	488001.04	3856961.26	5.41E-03	1.81E-08	2.44E-06	2.48E-06	5.42E-03	2.55E-03	7.44E-03	1.83E-04	9.10E-05	1.03E-02	2.43E-03	1.48E-08	2.44E-06	2.48E-06	2.43E-03
2910	488051.04	3856961.26	5.18E-03	1.78E-08	2.34E-06	2.47E-06	5.19E-03	2.44E-03	7.34E-03	1.75E-04	9.04E-05	1.00E-02	2.32E-03	1.46E-08	2.34E-06	2.47E-06	2.33E-03
2911	488101.04	3856961.26	4.95E-03	1.79E-08	2.28E-06	2.45E-06	4.95E-03	2.33E-03	7.36E-03	1.71E-04	8.98E-05	9.95E-03	2.22E-03	1.47E-08	2.28E-06	2.45E-06	2.22E-03
2912	487951.04	3857011.26	5.45E-03	1.86E-08	2.72E-06	2.46E-06	5.45E-03	2.57E-03	7.65E-03	2.04E-04	9.03E-05	1.05E-02	2.44E-03	1.52E-08	2.72E-06	2.46E-06	2.45E-03
2913	488001.04	3857011.26	5.21E-03	1.83E-08	2.61E-06	2.45E-06	5.22E-03	2.46E-03	7.54E-03	1.96E-04	8.98E-05	1.03E-02	2.34E-03	1.50E-08	2.61E-06	2.45E-06	2.34E-03
2914	488051.04	3857011.26	4.99E-03	1.81E-08	2.50E-06	2.44E-06	4.99E-03	2.35E-03	7.44E-03	1.88E-04	8.93E-05	1.01E-02	2.24E-03	1.48E-08	2.50E-06	2.44E-06	2.24E-03
2915	488101.04	3857011.26	4.76E-03	1.81E-08	2.44E-06	2.42E-06	4.77E-03	2.25E-03	7.46E-03	1.83E-04	8.87E-05	9.98E-03	2.14E-03	1.49E-08	2.44E-06	2.42E-06	2.14E-03
2916	488001.04	3857061.26	4.95E-03	1.86E-08	2.80E-06	2.42E-06	4.96E-03	2.34E-03	7.66E-03	2.10E-04	8.89E-05	1.03E-02	2.22E-03	1.53E-08	2.80E-06	2.42E-06	2.23E-03
2917	488051.04	3857061.26	4.74E-03	1.85E-08	2.69E-06	2.41E-06	4.75E-03	2.24E-03	7.61E-03	2.02E-04	8.84E-05	1.01E-02	2.13E-03	1.51E-08	2.69E-06	2.41E-06	2.13E-03
2918	488101.04	3857061.26	4.54E-03	1.84E-08	2.62E-06	2.40E-06	4.55E-03	2.14E-03	7.57E-03	1.96E-04	8.78E-05	1.00E-02	2.04E-03	1.51E-08	2.62E-06	2.40E-06	2.04E-03
2919	487638.98	3856673.79	7.49E-03	1.68E-08	1.93E-06	3.05E-06	7.49E-03	3.53E-03	6.91E-03	1.45E-04	1.12E-04	1.07E-02	3.36E-03	1.38E-08	1.93E-06	3.05E-06	3.36E-03
2920	487688.98	3856673.79	7.19E-03	1.67E-08	2.01E-06	3.01E-06	7.19E-03	3.39E-03	6.87E-03	1.51E-04	1.10E-04	1.05E-02	3.22E-03	1.37E-08	2.01E-06	3.01E-06	3.23E-03
2921	487638.98	3856723.79	7.72E-03	1.73E-08	1.97E-06	2.96E-06	7.72E-03	3.64E-03	7.11E-03	1.48E-04	1.09E-04	1.10E-02	3.46E-03	1.42E-08	1.97E-06	2.96E-06	3.47E-03
2922	487688.98	3856723.79	7.38E-03	1.71E-08	2.06E-06	2.92E-06	7.39E-03	3.48E-03	7.05E-03	1.55E-04	1.07E-04	1.08E-02	3.31E-03	1.40E-08	2.06E-06	2.92E-06	3.32E-03
2923	486324.61	3855740.57	7.44E-03	1.00E-08	7.46E-07	5.75E-06	7.44E-03	3.51E-03	4.13E-03	5.59E-05	2.11E-04	7.90E-03	3.33E-03	8.22E-09	7.46E-07	5.75E-06	3.34E-03
2924	486374.61	3855740.57	6.87E-03	9.68E-09	7.56E-07	5.68E-06	6.88E-03	3.24E-03	3.99E-03	5.67E-05	2.08E-04	7.49E-03	3.08E-03	7.94E-09	7.56E-07	5.68E-06	3.09E-03

2925	486424.61	3855740.57	6.55E-03	9.53E-09	7.60E-07	5.59E-06	6.55E-03	3.09E-03	3.92E-03	5.70E-05	2.05E-04	7.27E-03	2.94E-03	7.82E-09	7.60E-07	5.59E-06	2.94E-03
2926	486324.61	3855790.57	7.95E-03	1.05E-08	7.59E-07	6.01E-06	7.95E-03	3.75E-03	4.32E-03	5.70E-05	2.20E-04	8.35E-03	3.56E-03	8.61E-09	7.59E-07	6.01E-06	3.57E-03
2927	486374.61	3855790.57	7.37E-03	1.02E-08	7.70E-07	5.91E-06	7.38E-03	3.48E-03	4.19E-03	5.77E-05	2.17E-04	7.94E-03	3.31E-03	8.34E-09	7.70E-07	5.91E-06	3.31E-03
2928	486424.61	3855790.57	7.08E-03	1.01E-08	7.69E-07	5.81E-06	7.09E-03	3.34E-03	4.15E-03	5.77E-05	2.13E-04	7.77E-03	3.18E-03	8.27E-09	7.69E-07	5.81E-06	3.18E-03
2929	486324.61	3855840.57	8.48E-03	1.10E-08	7.73E-07	6.25E-06	8.49E-03	4.00E-03	4.52E-03	5.80E-05	2.29E-04	8.80E-03	3.80E-03	9.00E-09	7.73E-07	6.25E-06	3.81E-03
2930	486374.61	3855840.57	8.08E-03	1.08E-08	7.76E-07	6.12E-06	8.09E-03	3.81E-03	4.47E-03	5.82E-05	2.25E-04	8.56E-03	3.63E-03	8.90E-09	7.76E-07	6.12E-06	3.63E-03
2931	486424.61	3855840.57	7.66E-03	1.07E-08	7.79E-07	6.00E-06	7.67E-03	3.61E-03	4.39E-03	5.84E-05	2.20E-04	8.29E-03	3.44E-03	8.75E-09	7.79E-07	6.00E-06	3.44E-03
2932	486324.61	3855890.57	9.32E-03	1.17E-08	7.71E-07	6.45E-06	9.33E-03	4.39E-03	4.81E-03	5.79E-05	2.36E-04	9.50E-03	4.18E-03	9.58E-09	7.71E-07	6.45E-06	4.19E-03
2933	486374.61	3855890.57	8.82E-03	1.15E-08	7.82E-07	6.30E-06	8.82E-03	4.16E-03	4.74E-03	5.86E-05	2.31E-04	9.19E-03	3.95E-03	9.44E-09	7.82E-07	6.30E-06	3.96E-03
2934	486424.61	3855890.57	8.31E-03	1.13E-08	7.89E-07	6.17E-06	8.31E-03	3.92E-03	4.65E-03	5.92E-05	2.26E-04	8.85E-03	3.73E-03	9.26E-09	7.89E-07	6.17E-06	3.73E-03
2935	488735.69	3858285.64	6.93E-04	3.38E-08	2.69E-05	5.34E-06	7.25E-04	3.27E-04	1.39E-02	2.01E-03	1.96E-04	1.65E-02	3.11E-04	2.78E-08	2.69E-05	5.34E-06	3.43E-04
2936	488765.69	3858285.64	6.94E-04	3.35E-08	2.66E-05	5.27E-06	7.25E-04	3.27E-04	1.38E-02	2.00E-03	1.93E-04	1.63E-02	3.11E-04	2.75E-08	2.66E-05	5.27E-06	3.43E-04
2937	488735.69	3858315.64	6.73E-04	3.46E-08	2.28E-05	5.48E-06	7.02E-04	3.18E-04	1.43E-02	1.71E-03	2.01E-04	1.65E-02	3.02E-04	2.84E-08	2.28E-05	5.48E-06	3.30E-04
2938	488765.69	3858315.64	6.73E-04	3.42E-08	2.28E-05	5.41E-06	7.02E-04	3.18E-04	1.41E-02	1.71E-03	1.98E-04	1.63E-02	3.02E-04	2.81E-08	2.28E-05	5.41E-06	3.30E-04
2939	478676.63	3849871.93	4.44E-05	6.45E-10	1.75E-07	2.47E-07	4.48E-05	2.09E-05	2.66E-04	1.31E-05	9.06E-06	3.09E-04	1.99E-05	5.29E-10	1.75E-07	2.47E-07	2.03E-05
2940	479326.63	3849871.93	6.43E-05	5.20E-10	1.73E-07	2.59E-07	6.47E-05	3.03E-05	2.14E-04	1.29E-05	9.50E-06	2.67E-04	2.88E-05	4.27E-10	1.73E-07	2.59E-07	2.93E-05
2941	479376.63	3849871.93	6.59E-05	5.10E-10	1.73E-07	2.60E-07	6.64E-05	3.11E-05	2.10E-04	1.29E-05	9.54E-06	2.64E-04	2.96E-05	4.19E-10	1.73E-07	2.60E-07	3.00E-05
2942	479426.63	3849871.93	6.75E-05	5.04E-10	1.73E-07	2.61E-07	6.80E-05	3.19E-05	2.08E-04	1.29E-05	9.57E-06	2.62E-04	3.03E-05	4.13E-10	1.73E-07	2.61E-07	3.07E-05
2943	478726.63	3849921.93	4.50E-05	6.56E-10	1.76E-07	2.49E-07	4.54E-05	2.12E-05	2.70E-04	1.32E-05	9.12E-06	3.14E-04	2.02E-05	5.38E-10	1.76E-07	2.49E-07	2.06E-05
2944	478776.63	3849921.93	4.60E-05	6.51E-10	1.76E-07	2.50E-07	4.64E-05	2.17E-05	2.68E-04	1.32E-05	9.16E-06	3.12E-04	2.06E-05	5.35E-10	1.76E-07	2.50E-07	2.10E-05
2945	478826.63	3849921.93	4.71E-05	6.45E-10	1.76E-07	2.51E-07	4.75E-05	2.22E-05	2.66E-04	1.32E-05	9.19E-06	3.10E-04	2.11E-05	5.29E-10	1.76E-07	2.51E-07	2.15E-05
2946	478976.63	3849921.93	5.11E-05	6.22E-10	1.75E-07	2.54E-07	5.16E-05	2.41E-05	2.56E-04	1.31E-05	9.31E-06	3.03E-04	2.29E-05	5.11E-10	1.75E-07	2.54E-07	2.34E-05
2947	479026.63	3849921.93	5.30E-05	6.22E-10	1.75E-07	2.54E-07	5.34E-05	2.50E-05	2.56E-04	1.31E-05	9.31E-06	3.04E-04	2.38E-05	5.10E-10	1.75E-07	2.54E-07	2.42E-05
2948	479076.63	3849921.93	5.47E-05	6.15E-10	1.74E-07	2.55E-07	5.52E-05	2.58E-05	2.53E-04	1.31E-05	9.35E-06	3.01E-04	2.45E-05	5.04E-10	1.74E-07	2.55E-07	2.50E-05
2949	479126.63	3849921.93	5.66E-05	6.05E-10	1.74E-07	2.56E-07	5.70E-05	2.67E-05	2.49E-04	1.31E-05	9.38E-06	2.98E-04	2.54E-05	4.96E-10	1.74E-07	2.56E-07	2.58E-05
2950	479176.63	3849921.93	5.85E-05	5.99E-10	1.74E-07	2.56E-07	5.89E-05	2.76E-05	2.47E-04	1.31E-05	9.38E-06	2.97E-04	2.62E-05	4.91E-10	1.74E-07	2.56E-07	2.67E-05
2951	479226.63	3849921.93	6.02E-05	5.76E-10	1.73E-07	2.57E-07	6.06E-05	2.84E-05	2.37E-04	1.30E-05	9.44E-06	2.88E-04	2.70E-05	4.72E-10	1.73E-07	2.57E-07	2.74E-05
2952	479276.63	3849921.93	6.15E-05	5.45E-10	1.73E-07	2.59E-07	6.19E-05	2.90E-05	2.25E-04	1.30E-05	9.50E-06	2.76E-04	2.76E-05	4.47E-10	1.73E-07	2.59E-07	2.80E-05
2953	479326.63	3849921.93	6.41E-05	5.60E-10	1.73E-07	2.58E-07	6.45E-05	3.02E-05	2.31E-04	1.30E-05	9.47E-06	2.84E-04	2.87E-05	4.60E-10	1.73E-07	2.58E-07	2.92E-05
2954	479376.63	3849921.93	6.53E-05	5.29E-10	1.73E-07	2.61E-07	6.57E-05	3.08E-05	2.18E-04	1.30E-05	9.57E-06	2.71E-04	2.93E-05	4.34E-10	1.73E-07	2.61E-07	2.97E-05
2955	479426.63	3849921.93	6.74E-05	5.35E-10	1.73E-07	2.61E-07	6.78E-05	3.18E-05	2.21E-04	1.30E-05	9.57E-06	2.75E-04	3.02E-05	4.39E-10	1.73E-07	2.61E-07	3.07E-05
2956	478726.63	3849971.93	4.47E-05	6.71E-10	1.78E-07	2.49E-07	4.51E-05	2.11E-05	2.77E-04	1.33E-05	9.12E-06	3.20E-04	2.00E-05	5.51E-10	1.78E-07	2.49E-07	2.05E-05
2957	478776.63	3849971.93	4.55E-05	6.66E-10	1.78E-07	2.50E-07	4.60E-05	2.15E-05	2.74E-04	1.33E-05	9.16E-06	3.18E-04	2.04E-05	5.47E-10	1.78E-07	2.50E-07	2.08E-05
2958	478826.63	3849971.93	4.65E-05	6.60E-10	1.77E-07	2.51E-07	4.70E-05	2.20E-05	2.72E-04	1.33E-05	9.19E-06	3.16E-04	2.09E-05	5.41E-10	1.77E-07	2.51E-07	2.13E-05
2959	478976.63	3849971.93	5.06E-05	6.49E-10	1.76E-07	2.53E-07	5.10E-05	2.38E-05	2.67E-04	1.32E-05	9.28E-06	3.14E-04	2.27E-05	5.33E-10	1.76E-07	2.53E-07	2.31E-05
2960	479026.63	3849971.93	5.20E-05	6.41E-10	1.76E-07	2.54E-07	5.25E-05	2.45E-05	2.64E-04	1.32E-05	9.31E-06	3.11E-04	2.33E-05	5.26E-10	1.76E-07	2.54E-07	2.38E-05
2961	479076.63	3849971.93	5.37E-05	6.32E-10	1.76E-07	2.56E-07	5.41E-05	2.53E-05	2.60E-04	1.32E-05	9.38E-06	3.08E-04	2.41E-05	5.18E-10	1.76E-07	2.56E-07	2.45E-05
2962	479126.63	3849971.93	5.54E-05	6.24E-10	1.75E-07	2.56E-07	5.59E-05	2.62E-05	2.57E-04	1.31E-05	9.38E-06	3.06E-04	2.49E-05	5.12E-10	1.75E-07	2.56E-07	2.53E-05
2963	479176.63	3849971.93	5.74E-05	6.16E-10	1.75E-07	2.57E-07	5.78E-05	2.71E-05	2.54E-04	1.31E-05	9.41E-06	3.03E-04	2.57E-05	5.05E-10	1.75E-07	2.57E-07	2.62E-05
2964	479226.63	3849971.93	5.84E-05	5.74E-10	1.75E-07	2.59E-07	5.89E-05	2.76E-05	2.37E-04	1.31E-05	9.50E-06	2.87E-04	2.62E-05	4.71E-10	1.75E-07	2.59E-07	2.66E-05
2965	479276.63	3849971.93	6.10E-05	5.86E-10	1.74E-07	2.59E-07	6.14E-05	2.88E-05	2.42E-04	1.31E-05	9.50E-06	2.93E-04	2.74E-05	4.81E-10	1.74E-07	2.59E-07	2.78E-05
2966	479326.63	3849971.93	6.33E-05	5.92E-10	1.74E-07	2.58E-07	6.38E-05	2.99E-05	2.44E-04	1.31E-05	9.47E-06	2.96E-04	2.84E-05	4.86E-10	1.74E-07	2.58E-07	2.88E-05
2967	479376.63	3849971.93	6.47E-05	5.60E-10	1.74E-07	2.61E-07	6.52E-05	3.05E-05	2.31E-04	1.31E-05	9.57E-06	2.84E-04	2.90E-05	4.59E-10	1.74E-07	2.61E-07	2.95E-05
2968	479426.63	3849971.93	6.68E-05	5.57E-10	1.74E-07	2.61E-07	6.72E-05	3.15E-05	2.29E-04	1.31E-05	9.57E-06	2.83E-04	2.99E-05	4.57E-10	1.74E-07	2.61E-07	3.04E-05
2969	478726.63	3850021.93	4.45E-05	6.87E-10	1.79E-07	2.50E-07	4.50E-05	2.10E-05	2.83E-04	1.34E-05	9.16E-06	3.26E-04	2.00E-05	5.63E-10	1.79E-07	2.50E-07	2.04E-05
2970	478776.63	3850021.93	4.53E-05	6.81E-10	1.79E-07	2.51E-07	4.57E-05	2.14E-05	2.81E-04	1.34E-05	9.19E-06	3.25E-04	2.03E-05	5.59E-10	1.79E-07	2.51E-07	2.07E-05
2971	478826.63	3850021.93	4.62E-05	6.76E-10	1.79E-07	2.51E-07	4.66E-05	2.18E-05	2.78E-04	1.34E-05	9.22E-06	3.23E-04	2.07E-05	5.55E-10	1.79E-07	2.51E-07	2.11E-05
2972	478976.63	3850021.93	4.97E-05	6.66E-10	1.78E-07	2.54E-07	5.02E-05	2.35E-05	2.74E-04	1.33E-05	9.31E-06	3.20E-04	2.23E-05	5.47E-10	1.78E-07	2.54E-07	2.27E-05
2973	478726.63	3850071.93	4.46E-05	7.03E-10	1.80E-07	2.50E-07	4.50E-05	2.10E-05	2.89E-04	1.35E-05	9.16E-06	3.33E-04	2.00E-05	5.77E-10	1.80E-07	2.50E-07	2.04E-05
2974	478776.63	3850071.93	4.52E-05	6.98E-10	1.79E-07	2.51E-07	4.56E-05	2.13E-05	2.88E-04	1.35E-05	9.19E-06	3.32E-04	2.03E-05	5.73E-10	1.79E-07	2.51E-07	2.07E-05
2975	478826.63	3850071.93	4.59E-05	6.93E-10	1.79E-07	2.51E-07	4.63E-05	2.17E-05	2.85E-04	1.35E-05	9.22E-06	3.30E-04	2.06E-05	5.68E-10	1.79E-07	2.51E-07	2.10E-05
2976	478876.63	3850071.93	4.68E-05	6.89E-10	1.79E-07	2.52E-07	4.72E-05	2.21E-05	2.84E-04	1.35E-05	9.25E-06	3.29E-04	2.10E-05	5.65E-10	1.79E-07	2.52E-07	2.14E-05
2977	478976.63	3850071.93	4.91E-05	6.83E-10	1.79E-07	2.54E-07	4.95E-05	2.32E-05	2.81E-04	1.34E-05	9.31E-06	3.27E-04	2.20E-05	5.60E-10	1.79E-07	2.54E-07	2.25E-05
2978	478726.63	3850121.93	4.48E-05	7.18E-10	1.81E-07	2.51E-07	4.52E-05	2.11E-05	2.96E-04	1.36E-05	9.19E-06	3.40E-04	2.01E-05	5.89E-10	1.81E-07	2.51E-07	2.05E-05
2979	478776.63	3850121.93	4.53E-05	7.14E-10	1.81E-07	2.51E-07	4.57E-05	2.14E-05	2.94E-04	1.36E-05	9.22E-06	3.38E-04	2.03E-05	5.86E-10	1.81E-07	2.51E-07	2.07E-05
2980	478826.63	3850121.93	4.59E-05	7.10E-10	1.81E-07	2.52E-07	4.63E-05	2.16E-05	2.92E-04	1.36E-05	9.25E-06	3.37E-04	2.06E-05	5.82E-10	1.81E-07	2.52E-07	2.10E-05
2981	478876.63	3850121.93	4.66E-05	7.04E-10	1.80E-07	2.53E-07	4.70E-05	2.20E-05	2.90E-04	1.35E-05	9.28E-06	3.35E-04	2.09E-05	5.78E-10	1.80E-07	2.53E-07	2.13E-05
2982	478976.63	3850121.93	4.86E-05	7.00E-10	1.80E-07	2.55E-07	4.90E-05	2.29E-05	2.88E-04	1.35E-05	9.35E-06	3.34E-04	2.18E-05	5.74E-10	1.80E-07	2.55E-07	2.22E-05
2983	479026.63	3850121.93	4.98E-05	6.96E-10	1.80E-07	2.56E-07	5.03E-05	2.35E-05	2.87E-04	1.35E-05	9.38E-06	3.33E-04	2.23E-05	5.71E-10	1.80E-07	2.56E-07	2.28E-05
2984	479076.63	3850121.93	5.11E-05	6.90E-10	1.79E-07	2.57E-07	5.16E-05	2.41E-05	2.84E-04	1.35E-05	9.41E-06	3.31E-04	2.29E-05	5.66E-10	1.79E-07	2.57E-07	2.34E-05
2985	479126.63	3850121.93	5.26E-05	6.84E-10	1.79E-07	2.57E-07	5.30E-05	2.48E-05	2.82E-04	1.35E-05	9.44E-06	3.29E-04	2.36E-05	5.61E-10	1.79E-07	2.57E-07	2.40E-05

2986	478776.63	3850171.93	4.55E-05	7.29E-10	1.82E-07	2.51E-07	4.59E-05	2.15E-05	3.01E-04	1.37E-05	9.22E-06	3.45E-04	2.04E-05	5.99E-10	1.82E-07	2.51E-07	2.08E-05
2987	478826.63	3850171.93	4.59E-05	7.25E-10	1.82E-07	2.53E-07	4.63E-05	2.17E-05	2.99E-04	1.37E-05	9.28E-06	3.43E-04	2.06E-05	5.95E-10	1.82E-07	2.53E-07	2.10E-05
2988	478876.63	3850171.93	4.65E-05	7.20E-10	1.82E-07	2.54E-07	4.69E-05	2.19E-05	2.97E-04	1.37E-05	9.31E-06	3.42E-04	2.09E-05	5.91E-10	1.82E-07	2.54E-07	2.13E-05
2989	478976.63	3850171.93	4.83E-05	7.16E-10	1.81E-07	2.55E-07	4.87E-05	2.28E-05	2.95E-04	1.36E-05	9.35E-06	3.41E-04	2.17E-05	5.88E-10	1.81E-07	2.55E-07	2.21E-05
2990	479026.63	3850171.93	4.94E-05	7.15E-10	1.81E-07	2.56E-07	4.98E-05	2.33E-05	2.95E-04	1.36E-05	9.38E-06	3.41E-04	2.22E-05	5.87E-10	1.81E-07	2.56E-07	2.26E-05
2991	479076.63	3850171.93	5.06E-05	7.09E-10	1.81E-07	2.57E-07	5.10E-05	2.38E-05	2.92E-04	1.36E-05	9.41E-06	3.39E-04	2.27E-05	5.82E-10	1.81E-07	2.57E-07	2.31E-05
2992	479126.63	3850171.93	5.19E-05	7.03E-10	1.80E-07	2.57E-07	5.23E-05	2.45E-05	2.90E-04	1.35E-05	9.44E-06	3.37E-04	2.33E-05	5.77E-10	1.80E-07	2.57E-07	2.37E-05
2993	479176.63	3850171.93	5.34E-05	7.00E-10	1.80E-07	2.58E-07	5.39E-05	2.52E-05	2.89E-04	1.35E-05	9.47E-06	3.37E-04	2.40E-05	5.75E-10	1.80E-07	2.58E-07	2.44E-05
2994	479226.63	3850171.93	5.52E-05	7.03E-10	1.80E-07	2.58E-07	5.57E-05	2.61E-05	2.89E-04	1.35E-05	9.47E-06	3.39E-04	2.48E-05	5.77E-10	1.80E-07	2.58E-07	2.52E-05
2995	479276.63	3850171.93	5.72E-05	7.05E-10	1.79E-07	2.58E-07	5.76E-05	2.70E-05	2.90E-04	1.35E-05	9.47E-06	3.40E-04	2.57E-05	5.79E-10	1.79E-07	2.58E-07	2.61E-05
2996	479326.63	3850171.93	5.89E-05	6.93E-10	1.79E-07	2.59E-07	5.94E-05	2.78E-05	2.86E-04	1.35E-05	9.50E-06	3.36E-04	2.64E-05	5.69E-10	1.79E-07	2.59E-07	2.69E-05
2997	479376.63	3850171.93	6.08E-05	6.81E-10	1.79E-07	2.61E-07	6.13E-05	2.87E-05	2.81E-04	1.35E-05	9.57E-06	3.32E-04	2.73E-05	5.59E-10	1.79E-07	2.61E-07	2.77E-05
2998	478676.63	3850221.93	4.54E-05	7.45E-10	1.83E-07	2.51E-07	4.58E-05	2.14E-05	3.07E-04	1.37E-05	9.22E-06	3.51E-04	2.03E-05	6.12E-10	1.83E-07	2.51E-07	2.08E-05
2999	478726.63	3850221.93	4.56E-05	7.46E-10	1.83E-07	2.51E-07	4.60E-05	2.15E-05	3.07E-04	1.37E-05	9.22E-06	3.52E-04	2.04E-05	6.12E-10	1.83E-07	2.51E-07	2.09E-05
3000	478976.63	3850221.93	4.82E-05	7.34E-10	1.83E-07	2.56E-07	4.86E-05	2.27E-05	3.02E-04	1.37E-05	9.38E-06	3.48E-04	2.16E-05	6.02E-10	1.83E-07	2.56E-07	2.20E-05
3001	479026.63	3850221.93	4.91E-05	7.32E-10	1.83E-07	2.57E-07	4.95E-05	2.32E-05	3.02E-04	1.37E-05	9.41E-06	3.48E-04	2.20E-05	6.01E-10	1.83E-07	2.57E-07	2.25E-05
3002	479076.63	3850221.93	5.01E-05	7.27E-10	1.82E-07	2.57E-07	5.06E-05	2.36E-05	3.00E-04	1.37E-05	9.44E-06	3.46E-04	2.25E-05	5.97E-10	1.82E-07	2.57E-07	2.29E-05
3003	479126.63	3850221.93	5.14E-05	7.23E-10	1.82E-07	2.58E-07	5.18E-05	2.42E-05	2.98E-04	1.37E-05	9.47E-06	3.45E-04	2.30E-05	5.94E-10	1.82E-07	2.58E-07	2.35E-05
3004	479176.63	3850221.93	5.28E-05	7.23E-10	1.82E-07	2.58E-07	5.32E-05	2.49E-05	2.98E-04	1.37E-05	9.47E-06	3.46E-04	2.37E-05	5.93E-10	1.82E-07	2.58E-07	2.41E-05
3005	479226.63	3850221.93	5.44E-05	7.23E-10	1.81E-07	2.59E-07	5.49E-05	2.57E-05	2.98E-04	1.36E-05	9.50E-06	3.46E-04	2.44E-05	5.93E-10	1.81E-07	2.59E-07	2.49E-05
3006	479276.63	3850221.93	5.62E-05	7.22E-10	1.81E-07	2.59E-07	5.67E-05	2.65E-05	2.97E-04	1.36E-05	9.50E-06	3.47E-04	2.52E-05	5.92E-10	1.81E-07	2.59E-07	2.57E-05
3007	479326.63	3850221.93	5.78E-05	7.11E-10	1.81E-07	2.60E-07	5.83E-05	2.73E-05	2.93E-04	1.36E-05	9.54E-06	3.43E-04	2.59E-05	5.84E-10	1.81E-07	2.60E-07	2.64E-05
3008	479376.63	3850221.93	5.97E-05	7.03E-10	1.80E-07	2.61E-07	6.01E-05	2.81E-05	2.89E-04	1.35E-05	9.57E-06	3.41E-04	2.68E-05	5.77E-10	1.80E-07	2.61E-07	2.72E-05
3009	478676.63	3850271.93	4.61E-05	7.58E-10	1.84E-07	2.52E-07	4.65E-05	2.17E-05	3.12E-04	1.38E-05	9.25E-06	3.57E-04	2.07E-05	6.22E-10	1.84E-07	2.52E-07	2.11E-05
3010	478726.63	3850271.93	4.62E-05	7.59E-10	1.84E-07	2.52E-07	4.66E-05	2.18E-05	3.13E-04	1.38E-05	9.25E-06	3.58E-04	2.07E-05	6.23E-10	1.84E-07	2.52E-07	2.11E-05
3011	478976.63	3850271.93	4.81E-05	7.49E-10	1.84E-07	2.57E-07	4.86E-05	2.27E-05	3.09E-04	1.38E-05	9.41E-06	3.55E-04	2.16E-05	6.15E-10	1.84E-07	2.57E-07	2.20E-05
3012	479026.63	3850271.93	4.90E-05	7.49E-10	1.84E-07	2.57E-07	4.95E-05	2.31E-05	3.09E-04	1.38E-05	9.44E-06	3.55E-04	2.20E-05	6.15E-10	1.84E-07	2.57E-07	2.24E-05
3013	479076.63	3850271.93	4.99E-05	7.46E-10	1.84E-07	2.57E-07	5.04E-05	2.35E-05	3.07E-04	1.38E-05	9.44E-06	3.54E-04	2.24E-05	6.12E-10	1.84E-07	2.57E-07	2.28E-05
3014	479126.63	3850271.93	5.10E-05	7.43E-10	1.84E-07	2.58E-07	5.15E-05	2.41E-05	3.06E-04	1.38E-05	9.47E-06	3.53E-04	2.29E-05	6.10E-10	1.84E-07	2.58E-07	2.33E-05
3015	479176.63	3850271.93	5.23E-05	7.42E-10	1.83E-07	2.59E-07	5.27E-05	2.47E-05	3.06E-04	1.37E-05	9.50E-06	3.53E-04	2.35E-05	6.09E-10	1.83E-07	2.59E-07	2.39E-05
3016	479226.63	3850271.93	5.38E-05	7.41E-10	1.83E-07	2.60E-07	5.42E-05	2.54E-05	3.05E-04	1.37E-05	9.54E-06	3.54E-04	2.41E-05	6.08E-10	1.83E-07	2.60E-07	2.46E-05
3017	479276.63	3850271.93	5.53E-05	7.37E-10	1.83E-07	2.60E-07	5.58E-05	2.61E-05	3.04E-04	1.37E-05	9.54E-06	3.53E-04	2.48E-05	6.05E-10	1.83E-07	2.60E-07	2.53E-05
3018	479326.63	3850271.93	5.69E-05	7.29E-10	1.82E-07	2.61E-07	5.73E-05	2.68E-05	3.00E-04	1.37E-05	9.57E-06	3.50E-04	2.55E-05	5.98E-10	1.82E-07	2.61E-07	2.59E-05
3019	479376.63	3850271.93	5.85E-05	7.16E-10	1.82E-07	2.63E-07	5.89E-05	2.76E-05	2.95E-04	1.37E-05	9.63E-06	3.46E-04	2.62E-05	5.87E-10	1.82E-07	2.63E-07	2.67E-05
3020	479053.24	3850293.52	4.95E-05	7.56E-10	1.85E-07	2.57E-07	4.99E-05	2.33E-05	3.12E-04	1.38E-05	9.44E-06	3.58E-04	2.22E-05	6.21E-10	1.85E-07	2.57E-07	2.26E-05
3021	479103.24	3850293.52	5.05E-05	7.54E-10	1.84E-07	2.58E-07	5.09E-05	2.38E-05	3.11E-04	1.38E-05	9.47E-06	3.58E-04	2.26E-05	6.19E-10	1.84E-07	2.58E-07	2.31E-05
3022	479153.24	3850293.52	5.15E-05	7.50E-10	1.84E-07	2.59E-07	5.20E-05	2.43E-05	3.09E-04	1.38E-05	9.50E-06	3.57E-04	2.31E-05	6.16E-10	1.84E-07	2.59E-07	2.36E-05
3023	479203.24	3850293.52	5.29E-05	7.49E-10	1.84E-07	2.60E-07	5.33E-05	2.49E-05	3.09E-04	1.38E-05	9.54E-06	3.57E-04	2.37E-05	6.15E-10	1.84E-07	2.60E-07	2.42E-05
3024	479253.24	3850293.52	5.43E-05	7.47E-10	1.84E-07	2.60E-07	5.47E-05	2.56E-05	3.08E-04	1.38E-05	9.54E-06	3.57E-04	2.44E-05	6.13E-10	1.84E-07	2.60E-07	2.48E-05
3025	479303.24	3850293.52	5.57E-05	7.39E-10	1.83E-07	2.61E-07	5.62E-05	2.63E-05	3.05E-04	1.37E-05	9.57E-06	3.54E-04	2.50E-05	6.07E-10	1.83E-07	2.61E-07	2.54E-05
3026	479353.24	3850293.52	5.73E-05	7.29E-10	1.83E-07	2.62E-07	5.77E-05	2.70E-05	3.00E-04	1.37E-05	9.60E-06	3.51E-04	2.57E-05	5.98E-10	1.83E-07	2.62E-07	2.61E-05
3027	479153.24	3850343.52	5.14E-05	7.69E-10	1.85E-07	2.60E-07	5.18E-05	2.42E-05	3.17E-04	1.39E-05	9.54E-06	3.65E-04	2.31E-05	6.31E-10	1.85E-07	2.60E-07	2.35E-05
3028	479203.24	3850343.52	5.34E-05	7.68E-10	1.85E-07	2.60E-07	5.39E-05	2.52E-05	3.16E-04	1.38E-05	9.54E-06	3.65E-04	2.40E-05	6.30E-10	1.85E-07	2.60E-07	2.44E-05
3029	479253.24	3850343.52	5.37E-05	7.62E-10	1.85E-07	2.61E-07	5.41E-05	2.53E-05	3.14E-04	1.38E-05	9.57E-06	3.63E-04	2.41E-05	6.26E-10	1.85E-07	2.61E-07	2.45E-05
3030	479303.24	3850343.52	5.49E-05	7.55E-10	1.85E-07	2.62E-07	5.54E-05	2.59E-05	3.11E-04	1.38E-05	9.60E-06	3.60E-04	2.46E-05	6.19E-10	1.85E-07	2.62E-07	2.51E-05
3031	479353.24	3850343.52	5.63E-05	7.45E-10	1.84E-07	2.63E-07	5.68E-05	2.66E-05	3.07E-04	1.38E-05	9.66E-06	3.57E-04	2.53E-05	6.11E-10	1.84E-07	2.63E-07	2.57E-05
3032	479203.24	3850393.52	5.30E-05	7.84E-10	1.86E-07	2.61E-07	5.35E-05	2.50E-05	3.23E-04	1.40E-05	9.57E-06	3.71E-04	2.38E-05	6.43E-10	1.86E-07	2.61E-07	2.42E-05
3033	479253.24	3850393.52	5.41E-05	7.78E-10	1.86E-07	2.62E-07	5.45E-05	2.55E-05	3.21E-04	1.40E-05	9.60E-06	3.70E-04	2.43E-05	6.39E-10	1.86E-07	2.62E-07	2.47E-05
3034	479303.24	3850393.52	5.53E-05	7.71E-10	1.85E-07	2.63E-07	5.57E-05	2.61E-05	3.18E-04	1.39E-05	9.63E-06	3.67E-04	2.48E-05	6.33E-10	1.85E-07	2.63E-07	2.52E-05
3035	479353.24	3850393.52	5.57E-05	7.62E-10	1.85E-07	2.64E-07	5.61E-05	2.63E-05	3.14E-04	1.39E-05	9.69E-06	3.64E-04	2.50E-05	6.26E-10	1.85E-07	2.64E-07	2.54E-05
3036	479403.24	3850393.52	5.71E-05	7.53E-10	1.85E-07	2.65E-07	5.75E-05	2.69E-05	3.10E-04	1.39E-05	9.72E-06	3.61E-04	2.56E-05	6.18E-10	1.85E-07	2.65E-07	2.60E-05
3037	479453.24	3850393.52	5.86E-05	7.39E-10	1.85E-07	2.66E-07	5.90E-05	2.76E-05	3.05E-04	1.38E-05	9.76E-06	3.56E-04	2.63E-05	6.07E-10	1.85E-07	2.66E-07	2.67E-05
3038	479503.24	3850393.52	6.02E-05	7.24E-10	1.85E-07	2.67E-07	6.07E-05	2.84E-05	2.98E-04	1.38E-05	9.79E-06	3.50E-04	2.70E-05	5.94E-10	1.85E-07	2.67E-07	2.75E-05
3039	479303.24	3850443.52	5.47E-05	7.86E-10	1.87E-07	2.64E-07	5.52E-05	2.58E-05	3.24E-04	1.40E-05	9.69E-06	3.73E-04	2.45E-05	6.45E-10	1.87E-07	2.64E-07	2.50E-05
3040	479353.24	3850443.52	5.50E-05	7.76E-10	1.87E-07	2.65E-07	5.54E-05	2.59E-05	3.20E-04	1.40E-05	9.72E-06	3.69E-04	2.47E-05	6.37E-10	1.87E-07	2.65E-07	2.51E-05
3041	479403.24	3850443.52	5.61E-05	7.64E-10	1.86E-07	2.66E-07	5.66E-05	2.65E-05	3.15E-04	1.40E-05	9.76E-06	3.65E-04	2.52E-05	6.27E-10	1.86E-07	2.66E-07	2.56E-05
3042	479453.24	3850443.52	5.75E-05	7.52E-10	1.86E-07	2.68E-07	5.79E-05	2.71E-05	3.10E-04	1.40E-05	9.82E-06	3.61E-04	2.58E-05	6.17E-10	1.86E-07	2.68E-07	2.62E-05
3043	479503.24	3850443.52	5.90E-05	7.37E-10	1.85E-07	2.69E-07	5.95E-05	2.78E-05	3.04E-04	1.39E-05	9.85E-06	3.55E-04	2.65E-05	6.05E-10	1.85E-07	2.69E-07	2.69E-05
3044	480327.18	3850987.04	8.19E-05	8.56E-10	1.98E-07	2.94E-07	8.24E-05	3.86E-05	3.53E-04	1.49E-05	1.08E-05	4.17E-04	3.67E-05	7.03E-10	1.98E-07	2.94E-07	3.72E-05
3045	480377.18	3850987.04	8.43E-05	8.48E-10	1.97E-07	2.95E-07	8.48E-05	3.98E-05	3.49E-04	1.48E-05	1.08E-05	4.15E-04	3.78E-05	6.96E-10	1.97E-07	2.95E-07	3.83E-05
3046	480427.18	3850987.04	8.67E-05	8.37E-10	1.97E-07	2.96E-07	8.72E-05	4.09E-05	3.45E-04	1.48E-05	1.09E-05	4.11E-04	3.89E-05	6.87E-10	1.97E-07	2.96E-07	3.94E-05

3047	480477.18	3850987.04	8.88E-05	8.25E-10	1.97E-07	2.98E-07	8.93E-05	4.19E-05	3.40E-04	1.48E-05	1.09E-05	4.08E-04	3.98E-05	6.77E-10	1.97E-07	2.98E-07	4.03E-05
3048	480327.18	3851037.04	8.07E-05	8.77E-10	2.00E-07	2.94E-07	8.12E-05	3.80E-05	3.61E-04	1.50E-05	1.08E-05	4.25E-04	3.62E-05	7.20E-10	2.00E-07	2.94E-07	3.67E-05
3049	480377.18	3851037.04	8.31E-05	8.68E-10	1.99E-07	2.96E-07	8.36E-05	3.92E-05	3.58E-04	1.49E-05	1.09E-05	4.23E-04	3.73E-05	7.12E-10	1.99E-07	2.96E-07	3.78E-05
3050	480427.18	3851037.04	8.56E-05	8.57E-10	1.99E-07	2.98E-07	8.61E-05	4.04E-05	3.53E-04	1.49E-05	1.09E-05	4.19E-04	3.84E-05	7.03E-10	1.99E-07	2.98E-07	3.89E-05
3051	480477.18	3851037.04	8.79E-05	8.49E-10	1.98E-07	2.99E-07	8.84E-05	4.15E-05	3.50E-04	1.49E-05	1.10E-05	4.17E-04	3.94E-05	6.97E-10	1.98E-07	2.99E-07	3.99E-05
3052	480622.06	3851087.39	9.36E-05	8.51E-10	2.00E-07	3.05E-07	9.41E-05	4.41E-05	3.51E-04	1.50E-05	1.12E-05	4.21E-04	4.20E-05	6.98E-10	2.00E-07	3.05E-07	4.25E-05
3053	480672.06	3851087.39	9.56E-05	8.46E-10	1.99E-07	3.07E-07	9.62E-05	4.51E-05	3.48E-04	1.49E-05	1.12E-05	4.20E-04	4.29E-05	6.94E-10	1.99E-07	3.07E-07	4.34E-05
3054	480622.06	3851137.39	9.28E-05	8.75E-10	2.01E-07	3.06E-07	9.33E-05	4.38E-05	3.61E-04	1.51E-05	1.12E-05	4.31E-04	4.16E-05	7.18E-10	2.01E-07	3.06E-07	4.21E-05
3055	480672.06	3851137.39	9.51E-05	8.69E-10	2.01E-07	3.07E-07	9.56E-05	4.49E-05	3.58E-04	1.51E-05	1.13E-05	4.29E-04	4.26E-05	7.13E-10	2.01E-07	3.07E-07	4.32E-05
3056	480722.06	3851137.39	9.72E-05	8.65E-10	2.01E-07	3.09E-07	9.77E-05	4.59E-05	3.56E-04	1.51E-05	1.13E-05	4.29E-04	4.36E-05	7.10E-10	2.01E-07	3.09E-07	4.41E-05
3057	480622.06	3851187.39	9.18E-05	8.99E-10	2.02E-07	3.07E-07	9.23E-05	4.33E-05	3.70E-04	1.52E-05	1.13E-05	4.40E-04	4.12E-05	7.38E-10	2.02E-07	3.07E-07	4.17E-05
3058	480672.06	3851187.39	9.43E-05	8.94E-10	2.02E-07	3.08E-07	9.48E-05	4.45E-05	3.68E-04	1.52E-05	1.13E-05	4.39E-04	4.23E-05	7.33E-10	2.02E-07	3.08E-07	4.28E-05
3059	480722.06	3851187.39	9.66E-05	8.90E-10	2.02E-07	3.10E-07	9.71E-05	4.56E-05	3.67E-04	1.52E-05	1.14E-05	4.39E-04	4.33E-05	7.30E-10	2.02E-07	3.10E-07	4.38E-05
3060	471363.09	3845877.25	1.50E-05	1.49E-10	1.09E-07	1.56E-07	1.53E-05	7.09E-06	6.14E-05	8.16E-06	5.71E-06	8.24E-05	6.74E-06	1.22E-10	1.09E-07	1.56E-07	7.01E-06
3061	471863.09	3845877.25	1.44E-05	1.43E-10	1.11E-07	1.55E-07	1.46E-05	6.77E-06	5.89E-05	8.36E-06	5.68E-06	7.97E-05	6.44E-06	1.17E-10	1.11E-07	1.55E-07	6.70E-06
3062	472363.09	3845877.25	1.54E-05	1.58E-10	1.18E-07	1.54E-07	1.57E-05	7.27E-06	6.52E-05	8.87E-06	5.65E-06	8.70E-05	6.91E-06	1.30E-10	1.18E-07	1.54E-07	7.19E-06
3063	472863.09	3845877.25	1.32E-05	1.46E-10	1.18E-07	1.51E-07	1.35E-05	6.25E-06	6.02E-05	8.87E-06	5.53E-06	8.08E-05	5.94E-06	1.20E-10	1.18E-07	1.51E-07	6.21E-06
3064	473363.09	3845877.25	1.25E-05	1.65E-10	1.20E-07	1.49E-07	1.27E-05	5.89E-06	6.80E-05	8.99E-06	5.46E-06	8.84E-05	5.60E-06	1.36E-10	1.20E-07	1.49E-07	5.87E-06
3065	473863.09	3845877.25	1.32E-05	1.84E-10	1.20E-07	1.48E-07	1.35E-05	6.25E-06	7.56E-05	8.99E-06	5.43E-06	9.63E-05	5.94E-06	1.51E-10	1.20E-07	1.48E-07	6.21E-06
3066	474363.09	3845877.25	1.52E-05	2.10E-10	1.19E-07	1.50E-07	1.54E-05	7.15E-06	8.63E-05	8.93E-06	5.49E-06	1.08E-04	6.80E-06	1.72E-10	1.19E-07	1.50E-07	7.07E-06
3067	474863.09	3845877.25	1.84E-05	2.23E-10	1.18E-07	1.55E-07	1.87E-05	8.68E-06	9.20E-05	8.87E-06	5.68E-06	1.15E-04	8.25E-06	1.83E-10	1.18E-07	1.55E-07	8.52E-06
3068	475363.09	3845877.25	2.59E-05	2.27E-10	1.17E-07	1.64E-07	2.62E-05	1.22E-05	9.36E-05	8.80E-06	6.00E-06	1.21E-04	1.16E-05	1.86E-10	1.17E-07	1.64E-07	1.19E-05
3069	475863.09	3845877.25	2.70E-05	2.17E-10	1.18E-07	1.66E-07	2.72E-05	1.27E-05	8.95E-05	8.87E-06	6.09E-06	1.17E-04	1.21E-05	1.78E-10	1.18E-07	1.66E-07	1.24E-05
3070	476363.09	3845877.25	2.49E-05	1.93E-10	1.22E-07	1.64E-07	2.52E-05	1.17E-05	7.94E-05	9.19E-06	6.03E-06	1.06E-04	1.12E-05	1.58E-10	1.22E-07	1.64E-07	1.15E-05
3071	476863.09	3845877.25	2.36E-05	1.71E-10	1.35E-07	1.64E-07	2.39E-05	1.11E-05	7.02E-05	1.01E-05	6.00E-06	9.75E-05	1.06E-05	1.40E-10	1.35E-07	1.64E-07	1.09E-05
3072	477363.09	3845877.25	1.72E-05	1.64E-10	1.55E-07	1.64E-07	1.76E-05	8.13E-06	6.77E-05	1.16E-05	6.03E-06	9.35E-05	7.74E-06	1.35E-10	1.55E-07	1.64E-07	8.05E-06
3073	477863.09	3845877.25	1.49E-05	1.54E-10	1.62E-07	1.64E-07	1.52E-05	7.01E-06	6.33E-05	1.22E-05	6.00E-06	8.85E-05	6.67E-06	1.26E-10	1.62E-07	1.64E-07	6.99E-06
3074	478363.09	3845877.25	1.60E-05	1.48E-10	1.57E-07	1.64E-07	1.63E-05	7.55E-06	6.08E-05	1.18E-05	6.03E-06	8.62E-05	7.18E-06	1.21E-10	1.57E-07	1.64E-07	7.50E-06
3075	478863.09	3845877.25	1.39E-05	1.37E-10	1.47E-07	1.67E-07	1.42E-05	6.57E-06	5.64E-05	1.10E-05	6.13E-06	8.01E-05	6.25E-06	1.12E-10	1.47E-07	1.67E-07	6.56E-06
3076	479363.09	3845877.25	1.32E-05	1.35E-10	1.43E-07	1.70E-07	1.36E-05	6.25E-06	5.54E-05	1.07E-05	6.25E-06	7.87E-05	5.94E-06	1.10E-10	1.43E-07	1.70E-07	6.25E-06
3077	479863.09	3845877.25	1.34E-05	1.32E-10	1.40E-07	1.77E-07	1.37E-05	6.33E-06	5.42E-05	1.05E-05	6.47E-06	7.75E-05	6.02E-06	1.08E-10	1.40E-07	1.77E-07	6.33E-06
3078	480363.09	3845877.25	1.18E-05	1.24E-10	1.38E-07	1.83E-07	1.21E-05	5.54E-06	5.10E-05	1.03E-05	6.69E-06	7.36E-05	5.27E-06	1.02E-10	1.38E-07	1.83E-07	5.59E-06
3079	480863.09	3845877.25	1.02E-05	1.14E-10	1.39E-07	1.88E-07	1.05E-05	4.82E-06	4.69E-05	1.05E-05	6.88E-06	6.91E-05	4.58E-06	9.35E-11	1.39E-07	1.88E-07	4.91E-06
3080	481363.09	3845877.25	8.90E-06	1.08E-10	1.46E-07	1.88E-07	9.23E-06	4.20E-06	4.44E-05	1.10E-05	6.88E-06	6.65E-05	3.99E-06	8.85E-11	1.46E-07	1.88E-07	4.33E-06
3081	481863.09	3845877.25	8.26E-06	1.02E-10	1.56E-07	1.84E-07	8.60E-06	3.90E-06	4.22E-05	1.17E-05	6.76E-06	6.46E-05	3.71E-06	8.41E-11	1.56E-07	1.84E-07	4.05E-06
3082	482363.09	3845877.25	7.88E-06	9.71E-11	1.67E-07	1.81E-07	8.23E-06	3.72E-06	4.00E-05	1.25E-05	6.63E-06	6.29E-05	3.53E-06	7.97E-11	1.67E-07	1.81E-07	3.88E-06
3083	482863.09	3845877.25	6.35E-06	8.72E-11	1.73E-07	1.78E-07	6.70E-06	2.99E-06	3.59E-05	1.30E-05	6.54E-06	5.85E-05	2.85E-06	7.15E-11	1.73E-07	1.78E-07	3.20E-06
3084	483363.09	3845877.25	5.79E-06	8.03E-11	1.85E-07	1.74E-07	6.15E-06	2.73E-06	3.31E-05	1.39E-05	6.38E-06	5.61E-05	2.60E-06	6.59E-11	1.85E-07	1.74E-07	2.96E-06
3085	483863.09	3845877.25	6.64E-06	8.64E-11	2.06E-07	1.82E-07	7.03E-06	3.13E-06	3.56E-05	1.54E-05	6.66E-06	6.08E-05	2.98E-06	7.09E-11	2.06E-07	1.82E-07	3.37E-06
3086	484363.09	3845877.25	6.47E-06	8.49E-11	2.19E-07	1.83E-07	6.87E-06	3.05E-06	3.50E-05	1.64E-05	6.69E-06	6.11E-05	2.90E-06	6.96E-11	2.19E-07	1.83E-07	3.30E-06
3087	484863.09	3845877.25	6.30E-06	8.26E-11	2.12E-07	1.80E-07	6.69E-06	2.97E-06	3.40E-05	1.59E-05	6.60E-06	5.95E-05	2.83E-06	6.78E-11	2.12E-07	1.80E-07	3.22E-06
3088	485363.09	3845877.25	5.96E-06	7.95E-11	1.92E-07	1.77E-07	6.33E-06	2.81E-06	3.28E-05	1.44E-05	6.47E-06	5.65E-05	2.67E-06	6.53E-11	1.92E-07	1.77E-07	3.04E-06
3089	485863.09	3845877.25	5.66E-06	7.88E-11	1.70E-07	1.75E-07	6.01E-06	2.67E-06	3.24E-05	1.28E-05	6.41E-06	5.43E-05	2.54E-06	6.46E-11	1.70E-07	1.75E-07	2.89E-06
3090	486363.09	3845877.25	5.49E-06	7.88E-11	1.54E-07	1.73E-07	5.82E-06	2.59E-06	3.24E-05	1.15E-05	6.35E-06	5.29E-05	2.46E-06	6.46E-11	1.54E-07	1.73E-07	2.79E-06
3091	486863.09	3845877.25	5.03E-06	7.57E-11	1.39E-07	1.70E-07	5.33E-06	2.37E-06	3.12E-05	1.05E-05	6.22E-06	5.02E-05	2.25E-06	6.21E-11	1.39E-07	1.70E-07	2.56E-06
3092	487363.09	3845877.25	4.90E-06	7.26E-11	1.29E-07	1.70E-07	5.20E-06	2.31E-06	2.99E-05	9.70E-06	6.22E-06	4.82E-05	2.20E-06	5.96E-11	1.29E-07	1.70E-07	2.50E-06
3093	487863.09	3845877.25	4.68E-06	6.88E-11	1.27E-07	1.69E-07	4.98E-06	2.21E-06	2.84E-05	9.50E-06	6.19E-06	4.63E-05	2.10E-06	5.65E-11	1.27E-07	1.69E-07	2.40E-06
3094	488363.09	3845877.25	4.60E-06	6.81E-11	1.28E-07	1.69E-07	4.90E-06	2.17E-06	2.80E-05	9.63E-06	6.19E-06	4.60E-05	2.06E-06	5.58E-11	1.28E-07	1.69E-07	2.36E-06
3095	488863.09	3845877.25	4.98E-06	7.19E-11	1.62E-07	1.76E-07	5.32E-06	2.35E-06	2.96E-05	1.21E-05	6.44E-06	5.05E-05	2.23E-06	5.90E-11	1.62E-07	1.76E-07	2.57E-06
3096	489363.09	3845877.25	4.98E-06	7.03E-11	1.69E-07	1.77E-07	5.33E-06	2.35E-06	2.90E-05	1.27E-05	6.47E-06	5.05E-05	2.23E-06	5.77E-11	1.69E-07	1.77E-07	2.58E-06
3097	489863.09	3845877.25	4.90E-06	6.96E-11	1.73E-07	1.76E-07	5.25E-06	2.31E-06	2.87E-05	1.30E-05	6.44E-06	5.04E-05	2.20E-06	5.71E-11	1.73E-07	1.76E-07	2.55E-06
3098	490363.09	3845877.25	4.64E-06	6.88E-11	1.53E-07	1.73E-07	4.97E-06	2.19E-06	2.84E-05	1.15E-05	6.35E-06	4.84E-05	2.08E-06	5.65E-11	1.53E-07	1.73E-07	2.41E-06
3099	490863.09	3845877.25	4.30E-06	6.50E-11	1.39E-07	1.66E-07	4.61E-06	2.03E-06	2.68E-05	1.04E-05	6.09E-06	4.53E-05	1.93E-06	5.33E-11	1.39E-07	1.66E-07	2.23E-06
3100	491363.09	3845877.25	4.56E-06	6.88E-11	1.45E-07	1.75E-07	4.88E-06	2.15E-06	2.84E-05	1.09E-05	6.41E-06	4.78E-05	2.04E-06	5.65E-11	1.45E-07	1.75E-07	2.36E-06
3101	491863.09	3845877.25	4.85E-06	7.19E-11	1.54E-07	1.82E-07	5.19E-06	2.29E-06	2.96E-05	1.15E-05	6.66E-06	5.01E-05	2.18E-06	5.90E-11	1.54E-07	1.82E-07	2.51E-06
3102	492363.09	3845877.25	4.85E-06	7.03E-11	1.47E-07	1.81E-07	5.18E-06	2.29E-06	2.90E-05	1.10E-05	6.63E-06	4.89E-05	2.18E-06	5.77E-11	1.47E-07	1.81E-07	2.51E-06
3103	492863.09	3845877.25	5.54E-06	7.80E-11	1.59E-07	1.95E-07	5.89E-06	2.61E-06	3.21E-05	1.19E-05	7.17E-06	5.38E-05	2.48E-06	6.40E-11	1.59E-07	1.95E-07	2.84E-06
3104	493363.09	3845877.25	5.88E-06	8.10E-11	1.59E-07	2.03E-07	6.24E-06	2.77E-06	3.34E-05	1.19E-05	7.45E-06	5.55E-05	2.64E-06	6.65E-11	1.59E-07	2.03E-07	3.00E-06
3105	493863.09	3845877.25	6.30E-06	8.41E-11	1.55E-07	2.11E-07	6.67E-06	2.97E-06	3.47E-05	1.16E-05	7.74E-06	5.70E-05	2.83E-06	6.90E-11	1.55E-07	2.11E-07	3.19E-06
3106	494363.09	3845877.25	6.81E-06	8.64E-11	1.51E-07	2.17E-07	7.18E-06	3.21E-06	3.56E-05	1.13E-05	7.96E-06	5.81E-05	3.06E-06	7.09E-11	1.51E-07	2.17E-07	3.42E-06
3107	494863.09	3845877.25	7.07E-06	8.79E-11	1.52E-07	2.21E-07	7.44E-06	3.33E-06	3.62E-05	1.14E-05	8.11E-06	5.91E-05	3.17E-06	7.22E-11	1.52E-07	2.21E-07	3.54E-06

3108	495363.09	3845877.25	7.54E-06	9.33E-11	1.58E-07	2.27E-07	7.92E-06	3.56E-06	3.84E-05	1.19E-05	8.34E-06	6.22E-05	3.38E-06	7.65E-11	1.58E-07	2.27E-07	3.77E-06
3109	495863.09	3845877.25	7.96E-06	9.86E-11	1.61E-07	2.32E-07	8.36E-06	3.76E-06	4.06E-05	1.21E-05	8.52E-06	6.50E-05	3.57E-06	8.09E-11	1.61E-07	2.32E-07	3.96E-06
3110	496363.09	3845877.25	8.30E-06	1.04E-10	1.67E-07	2.39E-07	8.71E-06	3.92E-06	4.28E-05	1.25E-05	8.78E-06	6.80E-05	3.72E-06	8.53E-11	1.67E-07	2.39E-07	4.13E-06
3111	496863.09	3845877.25	8.56E-06	1.09E-10	1.80E-07	2.45E-07	8.98E-06	4.04E-06	4.50E-05	1.35E-05	8.97E-06	7.16E-05	3.84E-06	8.97E-11	1.80E-07	2.45E-07	4.26E-06
3112	497363.09	3845877.25	8.99E-06	1.14E-10	1.99E-07	2.51E-07	9.44E-06	4.24E-06	4.69E-05	1.49E-05	9.22E-06	7.53E-05	4.03E-06	9.35E-11	1.99E-07	2.51E-07	4.48E-06
3113	497863.09	3845877.25	9.54E-06	1.19E-10	2.19E-07	2.59E-07	1.00E-05	4.50E-06	4.91E-05	1.65E-05	9.50E-06	7.96E-05	4.28E-06	9.79E-11	2.19E-07	2.59E-07	4.76E-06
3114	498363.09	3845877.25	1.01E-05	1.25E-10	2.39E-07	2.68E-07	1.06E-05	4.74E-06	5.17E-05	1.79E-05	9.82E-06	8.41E-05	4.51E-06	1.03E-10	2.39E-07	2.68E-07	5.01E-06
3115	471363.09	3846377.25	2.13E-05	2.44E-10	1.20E-07	1.67E-07	2.15E-05	1.00E-05	1.00E-04	8.99E-06	6.13E-06	1.26E-04	9.53E-06	2.00E-10	1.20E-07	1.67E-07	9.82E-06
3116	471863.09	3846377.25	2.02E-05	2.08E-10	1.20E-07	1.66E-07	2.05E-05	9.52E-06	8.57E-05	8.99E-06	6.09E-06	1.10E-04	9.05E-06	1.71E-10	1.20E-07	1.66E-07	9.34E-06
3117	472363.09	3846377.25	1.56E-05	1.51E-10	1.15E-07	1.62E-07	1.59E-05	7.37E-06	6.24E-05	8.61E-06	5.94E-06	8.43E-05	7.01E-06	1.24E-10	1.15E-07	1.62E-07	7.29E-06
3118	472863.09	3846377.25	1.56E-05	1.57E-10	1.20E-07	1.60E-07	1.59E-05	7.35E-06	6.46E-05	8.99E-06	5.87E-06	8.68E-05	6.99E-06	1.29E-10	1.20E-07	1.60E-07	7.27E-06
3119	473363.09	3846377.25	1.55E-05	1.67E-10	1.23E-07	1.58E-07	1.58E-05	7.33E-06	6.87E-05	9.25E-06	5.81E-06	9.11E-05	6.97E-06	1.37E-10	1.23E-07	1.58E-07	7.25E-06
3120	473863.09	3846377.25	1.51E-05	1.98E-10	1.27E-07	1.57E-07	1.54E-05	7.11E-06	8.16E-05	9.50E-06	5.75E-06	1.04E-04	6.76E-06	1.63E-10	1.27E-07	1.57E-07	7.04E-06
3121	474363.09	3846377.25	1.56E-05	2.26E-10	1.27E-07	1.56E-07	1.59E-05	7.37E-06	9.29E-05	9.50E-06	5.71E-06	1.16E-04	7.01E-06	1.85E-10	1.27E-07	1.56E-07	7.29E-06
3122	474863.09	3846377.25	1.78E-05	2.50E-10	1.26E-07	1.58E-07	1.81E-05	8.40E-06	1.03E-04	9.44E-06	5.81E-06	1.27E-04	7.98E-06	2.05E-10	1.26E-07	1.58E-07	8.27E-06
3123	475363.09	3846377.25	2.12E-05	2.55E-10	1.24E-07	1.66E-07	2.15E-05	1.00E-05	1.05E-04	9.31E-06	6.09E-06	1.31E-04	9.51E-06	2.10E-10	1.24E-07	1.66E-07	9.80E-06
3124	475863.09	3846377.25	2.95E-05	2.56E-10	1.23E-07	1.75E-07	2.98E-05	1.39E-05	1.06E-04	9.25E-06	6.41E-06	1.35E-04	1.32E-05	2.10E-10	1.23E-07	1.75E-07	1.35E-05
3125	476363.09	3846377.25	2.96E-05	2.33E-10	1.23E-07	1.75E-07	2.99E-05	1.39E-05	9.61E-05	9.25E-06	6.41E-06	1.26E-04	1.33E-05	1.91E-10	1.23E-07	1.75E-07	1.36E-05
3126	476863.09	3846377.25	2.76E-05	2.03E-10	1.29E-07	1.72E-07	2.79E-05	1.30E-05	8.35E-05	9.70E-06	6.31E-06	1.12E-04	1.24E-05	1.66E-10	1.29E-07	1.72E-07	1.27E-05
3127	477363.09	3846377.25	2.56E-05	1.86E-10	1.45E-07	1.72E-07	2.59E-05	1.21E-05	7.65E-05	1.09E-05	6.31E-06	1.06E-04	1.15E-05	1.52E-10	1.45E-07	1.72E-07	1.18E-05
3128	477863.09	3846377.25	1.79E-05	1.75E-10	1.66E-07	1.73E-07	1.82E-05	8.44E-06	7.21E-05	1.24E-05	6.35E-06	9.94E-05	8.02E-06	1.44E-10	1.66E-07	1.73E-07	8.36E-06
3129	478363.09	3846377.25	1.70E-05	1.66E-10	1.74E-07	1.75E-07	1.73E-05	8.01E-06	6.84E-05	1.31E-05	6.41E-06	9.59E-05	7.62E-06	1.36E-10	1.74E-07	1.75E-07	7.97E-06
3130	478863.09	3846377.25	1.79E-05	1.60E-10	1.68E-07	1.76E-07	1.82E-05	8.44E-06	6.58E-05	1.26E-05	6.44E-06	9.33E-05	8.02E-06	1.31E-10	1.68E-07	1.76E-07	8.37E-06
3131	479363.09	3846377.25	1.56E-05	1.51E-10	1.54E-07	1.77E-07	1.60E-05	7.37E-06	6.21E-05	1.15E-05	6.50E-06	8.75E-05	7.01E-06	1.24E-10	1.54E-07	1.77E-07	7.34E-06
3132	479863.09	3846377.25	1.45E-05	1.42E-10	1.48E-07	1.82E-07	1.48E-05	6.83E-06	5.86E-05	1.11E-05	6.66E-06	8.32E-05	6.49E-06	1.17E-10	1.48E-07	1.82E-07	6.82E-06
3133	480363.09	3846377.25	1.51E-05	1.45E-10	1.47E-07	1.89E-07	1.54E-05	7.11E-06	5.95E-05	1.10E-05	6.95E-06	8.46E-05	6.76E-06	1.19E-10	1.47E-07	1.89E-07	7.10E-06
3134	480863.09	3846377.25	1.23E-05	1.29E-10	1.45E-07	1.95E-07	1.26E-05	5.78E-06	5.32E-05	1.09E-05	7.14E-06	7.71E-05	5.50E-06	1.06E-10	1.45E-07	1.95E-07	5.84E-06
3135	481363.09	3846377.25	1.09E-05	1.21E-10	1.50E-07	1.98E-07	1.13E-05	5.14E-06	4.98E-05	1.12E-05	7.26E-06	7.34E-05	4.89E-06	9.91E-11	1.50E-07	1.98E-07	5.24E-06
3136	481863.09	3846377.25	9.37E-06	1.15E-10	1.57E-07	1.95E-07	9.72E-06	4.42E-06	4.73E-05	1.18E-05	7.14E-06	7.06E-05	4.20E-06	9.41E-11	1.57E-07	1.95E-07	4.55E-06
3137	482363.09	3846377.25	8.82E-06	1.06E-10	1.68E-07	1.89E-07	9.17E-06	4.16E-06	4.38E-05	1.26E-05	6.95E-06	6.75E-05	3.95E-06	8.72E-11	1.68E-07	1.89E-07	4.31E-06
3138	482863.09	3846377.25	7.45E-06	9.71E-11	1.78E-07	1.87E-07	7.82E-06	3.51E-06	4.00E-05	1.33E-05	6.85E-06	6.37E-05	3.34E-06	7.97E-11	1.78E-07	1.87E-07	3.71E-06
3139	483363.09	3846377.25	7.67E-06	9.71E-11	1.92E-07	1.89E-07	8.05E-06	3.62E-06	4.00E-05	1.44E-05	6.91E-06	6.50E-05	3.44E-06	7.97E-11	1.92E-07	1.89E-07	3.82E-06
3140	483863.09	3846377.25	7.50E-06	9.48E-11	2.11E-07	1.90E-07	7.90E-06	3.54E-06	3.91E-05	1.58E-05	6.98E-06	6.54E-05	3.36E-06	7.78E-11	2.11E-07	1.90E-07	3.76E-06
3141	484363.09	3846377.25	6.81E-06	8.95E-11	2.23E-07	1.90E-07	7.23E-06	3.21E-06	3.69E-05	1.67E-05	6.98E-06	6.38E-05	3.06E-06	7.34E-11	2.23E-07	1.90E-07	3.47E-06
3142	484863.09	3846377.25	7.28E-06	9.18E-11	2.30E-07	1.91E-07	7.70E-06	3.43E-06	3.78E-05	1.72E-05	7.01E-06	6.55E-05	3.27E-06	7.53E-11	2.30E-07	1.91E-07	3.69E-06
3143	485363.09	3846377.25	7.11E-06	9.02E-11	2.16E-07	1.89E-07	7.52E-06	3.35E-06	3.72E-05	1.62E-05	6.95E-06	6.37E-05	3.19E-06	7.40E-11	2.16E-07	1.89E-07	3.60E-06
3144	485863.09	3846377.25	6.35E-06	8.56E-11	1.85E-07	1.85E-07	6.72E-06	2.99E-06	3.53E-05	1.38E-05	6.79E-06	5.89E-05	2.85E-06	7.03E-11	1.85E-07	1.85E-07	3.22E-06
3145	486363.09	3846377.25	5.45E-06	8.03E-11	1.61E-07	1.79E-07	5.79E-06	2.57E-06	3.31E-05	1.21E-05	6.57E-06	5.43E-05	2.44E-06	6.59E-11	1.61E-07	1.79E-07	2.78E-06
3146	486863.09	3846377.25	5.20E-06	7.88E-11	1.45E-07	1.77E-07	5.52E-06	2.45E-06	3.24E-05	1.08E-05	6.47E-06	5.22E-05	2.33E-06	6.46E-11	1.45E-07	1.77E-07	2.65E-06
3147	487363.09	3846377.25	5.24E-06	7.65E-11	1.38E-07	1.79E-07	5.56E-06	2.47E-06	3.15E-05	1.03E-05	6.57E-06	5.09E-05	2.35E-06	6.27E-11	1.38E-07	1.79E-07	2.67E-06
3148	487863.09	3846377.25	5.62E-06	7.88E-11	1.42E-07	1.83E-07	5.95E-06	2.65E-06	3.24E-05	1.07E-05	6.73E-06	5.25E-05	2.52E-06	6.46E-11	1.42E-07	1.83E-07	2.85E-06
3149	488363.09	3846377.25	5.58E-06	7.80E-11	1.56E-07	1.85E-07	5.92E-06	2.63E-06	3.21E-05	1.17E-05	6.79E-06	5.33E-05	2.50E-06	6.40E-11	1.56E-07	1.85E-07	2.84E-06
3150	488863.09	3846377.25	5.41E-06	7.72E-11	1.75E-07	1.86E-07	5.77E-06	2.55E-06	3.18E-05	1.31E-05	6.82E-06	5.43E-05	2.43E-06	6.34E-11	1.75E-07	1.86E-07	2.79E-06
3151	489363.09	3846377.25	5.45E-06	7.57E-11	1.92E-07	1.87E-07	5.83E-06	2.57E-06	3.12E-05	1.44E-05	6.85E-06	5.50E-05	2.44E-06	6.21E-11	1.92E-07	1.87E-07	2.82E-06
3152	489863.09	3846377.25	5.37E-06	7.65E-11	1.83E-07	1.87E-07	5.74E-06	2.53E-06	3.15E-05	1.37E-05	6.85E-06	5.46E-05	2.41E-06	6.27E-11	1.83E-07	1.87E-07	2.78E-06
3153	490363.09	3846377.25	4.85E-06	7.19E-11	1.56E-07	1.81E-07	5.19E-06	2.29E-06	2.96E-05	1.17E-05	6.63E-06	5.02E-05	2.18E-06	5.90E-11	1.56E-07	1.81E-07	2.51E-06
3154	490863.09	3846377.25	4.73E-06	7.11E-11	1.50E-07	1.81E-07	5.06E-06	2.23E-06	2.93E-05	1.12E-05	6.63E-06	4.94E-05	2.12E-06	5.84E-11	1.50E-07	1.81E-07	2.45E-06
3155	491363.09	3846377.25	4.81E-06	7.19E-11	1.51E-07	1.84E-07	5.15E-06	2.27E-06	2.96E-05	1.13E-05	6.76E-06	4.99E-05	2.16E-06	5.90E-11	1.51E-07	1.84E-07	2.49E-06
3156	491863.09	3846377.25	5.49E-06	7.88E-11	1.66E-07	1.96E-07	5.86E-06	2.59E-06	3.24E-05	1.24E-05	7.20E-06	5.47E-05	2.46E-06	6.46E-11	1.66E-07	1.96E-07	2.83E-06
3157	492363.09	3846377.25	5.66E-06	8.03E-11	1.66E-07	2.01E-07	6.03E-06	2.67E-06	3.31E-05	1.24E-05	7.39E-06	5.56E-05	2.54E-06	6.59E-11	1.66E-07	2.01E-07	2.91E-06
3158	492863.09	3846377.25	5.92E-06	8.26E-11	1.64E-07	2.09E-07	6.29E-06	2.79E-06	3.40E-05	1.23E-05	7.67E-06	5.68E-05	2.65E-06	6.78E-11	1.64E-07	2.09E-07	3.03E-06
3159	493363.09	3846377.25	6.47E-06	8.72E-11	1.63E-07	2.19E-07	6.86E-06	3.05E-06	3.59E-05	1.22E-05	8.02E-06	5.92E-05	2.90E-06	7.15E-11	1.63E-07	2.19E-07	3.29E-06
3160	493863.09	3846377.25	6.98E-06	9.02E-11	1.58E-07	2.26E-07	7.37E-06	3.29E-06	3.72E-05	1.19E-05	8.30E-06	6.06E-05	3.13E-06	7.40E-11	1.58E-07	2.26E-07	3.52E-06
3161	494363.09	3846377.25	7.50E-06	9.25E-11	1.57E-07	2.32E-07	7.89E-06	3.54E-06	3.81E-05	1.18E-05	8.52E-06	6.20E-05	3.36E-06	7.59E-11	1.57E-07	2.32E-07	3.75E-06
3162	494863.09	3846377.25	7.96E-06	9.71E-11	1.64E-07	2.39E-07	8.37E-06	3.76E-06	4.00E-05	1.23E-05	8.75E-06	6.48E-05	3.57E-06	7.97E-11	1.64E-07	2.39E-07	3.97E-06
3163	495363.09	3846377.25	8.35E-06	1.02E-10	1.67E-07	2.44E-07	8.76E-06	3.94E-06	4.22E-05	1.25E-05	8.94E-06	6.76E-05	3.74E-06	8.41E-11	1.67E-07	2.44E-07	4.15E-06
3164	495863.09	3846377.25	8.77E-06	1.09E-10	1.71E-07	2.51E-07	9.20E-06	4.14E-06	4.50E-05	1.28E-05	9.22E-06	7.12E-05	3.93E-06	8.97E-11	1.71E-07	2.51E-07	4.36E-06
3165	496363.09	3846377.25	9.20E-06	1.16E-10	1.83E-07	2.58E-07	9.64E-06	4.34E-06	4.79E-05	1.37E-05	9.47E-06	7.54E-05	4.13E-06	9.54E-11	1.83E-07	2.58E-07	4.57E-06
3166	496863.09	3846377.25	9.79E-06	1.22E-10	2.02E-07	2.66E-07	1.03E-05	4.62E-06	5.04E-05	1.52E-05	9.76E-06	8.00E-05	4.39E-06	1.00E-10	2.02E-07	2.66E-07	4.86E-06
3167	497363.09	3846377.25	1.04E-05	1.29E-10	2.27E-07	2.74E-07	1.09E-05	4.92E-06	5.32E-05	1.70E-05	1.00E-05	8.52E-05	4.68E-06	1.06E-10	2.27E-07	2.74E-07	5.18E-06
3168	497863.09	3846377.25	1.11E-05	1.35E-10	2.51E-07	2.83E-07	1.16E-05	5.22E-06	5.58E-05	1.88E-05	1.04E-05	9.02E-05	4.97E-06	1.11E-10	2.51E-07	2.83E-07	5.50E-06

3169	498363.09	3846377.25	1.17E-05	1.43E-10	2.69E-07	2.93E-07	1.22E-05	5.50E-06	5.89E-05	2.02E-05	1.07E-05	9.53E-05	5.23E-06	1.17E-10	2.69E-07	2.93E-07	5.79E-06
3170	471363.09	3846877.25	2.39E-05	2.80E-10	1.23E-07	1.71E-07	2.42E-05	1.13E-05	1.15E-04	9.25E-06	6.28E-06	1.42E-04	1.07E-05	2.30E-10	1.23E-07	1.71E-07	1.10E-05
3171	471863.09	3846877.25	2.36E-05	2.71E-10	1.24E-07	1.74E-07	2.38E-05	1.11E-05	1.12E-04	9.31E-06	6.38E-06	1.39E-04	1.06E-05	2.23E-10	1.24E-07	1.74E-07	1.09E-05
3172	472363.09	3846877.25	2.27E-05	2.42E-10	1.25E-07	1.75E-07	2.30E-05	1.07E-05	9.99E-05	9.38E-06	6.41E-06	1.26E-04	1.02E-05	1.99E-10	1.25E-07	1.75E-07	1.05E-05
3173	472863.09	3846877.25	1.67E-05	1.60E-10	1.18E-07	1.69E-07	1.70E-05	7.89E-06	6.58E-05	8.87E-06	6.19E-06	8.88E-05	7.51E-06	1.31E-10	1.18E-07	1.69E-07	7.79E-06
3174	473363.09	3846877.25	1.79E-05	1.74E-10	1.24E-07	1.68E-07	1.82E-05	8.44E-06	7.18E-05	9.31E-06	6.16E-06	9.57E-05	8.02E-06	1.43E-10	1.24E-07	1.68E-07	8.31E-06
3175	473863.09	3846877.25	1.90E-05	2.03E-10	1.30E-07	1.67E-07	1.93E-05	8.98E-06	8.38E-05	9.76E-06	6.13E-06	1.09E-04	8.54E-06	1.67E-10	1.30E-07	1.67E-07	8.83E-06
3176	474363.09	3846877.25	1.77E-05	2.29E-10	1.33E-07	1.64E-07	1.80E-05	8.36E-06	9.45E-05	9.95E-06	6.03E-06	1.19E-04	7.95E-06	1.88E-10	1.33E-07	1.64E-07	8.24E-06
3177	474863.09	3846877.25	1.74E-05	2.55E-10	1.34E-07	1.64E-07	1.77E-05	8.19E-06	1.05E-04	1.00E-05	6.00E-06	1.29E-04	7.79E-06	2.09E-10	1.34E-07	1.64E-07	8.09E-06
3178	475363.09	3846877.25	1.89E-05	2.61E-10	1.32E-07	1.66E-07	1.92E-05	8.92E-06	1.07E-04	9.89E-06	6.09E-06	1.32E-04	8.48E-06	2.14E-10	1.32E-07	1.66E-07	8.78E-06
3179	475863.09	3846877.25	2.35E-05	2.81E-10	1.30E-07	1.76E-07	2.38E-05	1.11E-05	1.16E-04	9.76E-06	6.44E-06	1.43E-04	1.05E-05	2.30E-10	1.30E-07	1.76E-07	1.08E-05
3180	476363.09	3846877.25	3.22E-05	2.75E-10	1.29E-07	1.84E-07	3.25E-05	1.52E-05	1.13E-04	9.70E-06	6.76E-06	1.45E-04	1.44E-05	2.26E-10	1.29E-07	1.84E-07	1.47E-05
3181	476863.09	3846877.25	3.25E-05	2.52E-10	1.29E-07	1.83E-07	3.28E-05	1.53E-05	1.04E-04	9.70E-06	6.73E-06	1.35E-04	1.46E-05	2.06E-10	1.29E-07	1.83E-07	1.49E-05
3182	477363.09	3846877.25	3.08E-05	2.16E-10	1.36E-07	1.82E-07	3.12E-05	1.45E-05	8.91E-05	1.02E-05	6.66E-06	1.21E-04	1.38E-05	1.78E-10	1.36E-07	1.82E-07	1.41E-05
3183	477863.09	3846877.25	2.68E-05	2.00E-10	1.56E-07	1.83E-07	2.72E-05	1.27E-05	8.22E-05	1.17E-05	6.69E-06	1.13E-04	1.20E-05	1.64E-10	1.56E-07	1.83E-07	1.24E-05
3184	478363.09	3846877.25	1.96E-05	1.93E-10	1.83E-07	1.85E-07	2.00E-05	9.24E-06	7.94E-05	1.37E-05	6.79E-06	1.09E-04	8.79E-06	1.58E-10	1.83E-07	1.85E-07	9.15E-06
3185	478863.09	3846877.25	2.07E-05	1.90E-10	1.96E-07	1.87E-07	2.11E-05	9.78E-06	7.81E-05	1.47E-05	6.85E-06	1.09E-04	9.30E-06	1.56E-10	1.96E-07	1.87E-07	9.68E-06
3186	479363.09	3846877.25	1.95E-05	1.71E-10	1.76E-07	1.87E-07	1.98E-05	9.18E-06	7.06E-05	1.32E-05	6.85E-06	9.98E-05	8.73E-06	1.41E-10	1.76E-07	1.87E-07	9.09E-06
3187	479863.09	3846877.25	1.46E-05	1.45E-10	1.55E-07	1.86E-07	1.49E-05	6.89E-06	5.99E-05	1.16E-05	6.82E-06	8.52E-05	6.55E-06	1.19E-10	1.55E-07	1.86E-07	6.89E-06
3188	480363.09	3846877.25	1.28E-05	1.35E-10	1.49E-07	1.92E-07	1.32E-05	6.05E-06	5.54E-05	1.12E-05	7.04E-06	7.97E-05	5.75E-06	1.10E-10	1.49E-07	1.92E-07	6.09E-06
3189	480863.09	3846877.25	1.21E-05	1.28E-10	1.47E-07	1.99E-07	1.24E-05	5.70E-06	5.29E-05	1.10E-05	7.29E-06	7.70E-05	5.42E-06	1.05E-10	1.47E-07	1.99E-07	5.77E-06
3190	481363.09	3846877.25	1.18E-05	1.27E-10	1.51E-07	2.05E-07	1.22E-05	5.56E-06	5.23E-05	1.14E-05	7.51E-06	7.67E-05	5.29E-06	1.04E-10	1.51E-07	2.05E-07	5.65E-06
3191	481863.09	3846877.25	1.05E-05	1.24E-10	1.59E-07	2.04E-07	1.09E-05	4.96E-06	5.10E-05	1.19E-05	7.48E-06	7.54E-05	4.72E-06	1.02E-10	1.59E-07	2.04E-07	5.08E-06
3192	482363.09	3846877.25	9.37E-06	1.12E-10	1.69E-07	1.99E-07	9.74E-06	4.42E-06	4.63E-05	1.27E-05	7.29E-06	7.07E-05	4.20E-06	9.22E-11	1.69E-07	1.99E-07	4.57E-06
3193	482863.09	3846877.25	9.20E-06	1.09E-10	1.82E-07	1.96E-07	9.58E-06	4.34E-06	4.50E-05	1.37E-05	7.20E-06	7.02E-05	4.13E-06	8.97E-11	1.82E-07	1.96E-07	4.50E-06
3194	483363.09	3846877.25	8.94E-06	1.06E-10	1.97E-07	1.97E-07	9.34E-06	4.22E-06	4.38E-05	1.48E-05	7.23E-06	7.00E-05	4.01E-06	8.72E-11	1.97E-07	1.97E-07	4.41E-06
3195	483863.09	3846877.25	8.73E-06	1.04E-10	2.13E-07	2.00E-07	9.14E-06	4.12E-06	4.28E-05	1.60E-05	7.33E-06	7.03E-05	3.92E-06	8.53E-11	2.13E-07	2.00E-07	4.33E-06
3196	484363.09	3846877.25	8.30E-06	1.02E-10	2.32E-07	2.01E-07	8.74E-06	3.92E-06	4.22E-05	1.74E-05	7.39E-06	7.09E-05	3.72E-06	8.41E-11	2.32E-07	2.01E-07	4.16E-06
3197	484863.09	3846877.25	8.05E-06	9.94E-11	2.42E-07	2.01E-07	8.49E-06	3.80E-06	4.10E-05	1.81E-05	7.39E-06	7.02E-05	3.61E-06	8.16E-11	2.42E-07	2.01E-07	4.05E-06
3198	485363.09	3846877.25	7.92E-06	9.79E-11	2.32E-07	2.00E-07	8.35E-06	3.74E-06	4.03E-05	1.74E-05	7.33E-06	6.88E-05	3.55E-06	8.03E-11	2.32E-07	2.00E-07	3.98E-06
3199	485863.09	3846877.25	7.11E-06	9.40E-11	2.01E-07	1.95E-07	7.51E-06	3.35E-06	3.87E-05	1.51E-05	7.17E-06	6.43E-05	3.19E-06	7.72E-11	2.01E-07	1.95E-07	3.59E-06
3200	486363.09	3846877.25	7.11E-06	9.63E-11	1.79E-07	1.94E-07	7.49E-06	3.35E-06	3.97E-05	1.35E-05	7.10E-06	6.36E-05	3.19E-06	7.91E-11	1.79E-07	1.94E-07	3.56E-06
3201	486863.09	3846877.25	6.26E-06	8.95E-11	1.61E-07	1.90E-07	6.61E-06	2.95E-06	3.69E-05	1.21E-05	6.98E-06	5.88E-05	2.81E-06	7.34E-11	1.61E-07	1.90E-07	3.16E-06
3202	487363.09	3846877.25	6.30E-06	8.72E-11	1.51E-07	1.92E-07	6.65E-06	2.97E-06	3.59E-05	1.13E-05	7.04E-06	5.72E-05	2.83E-06	7.15E-11	1.51E-07	1.92E-07	3.17E-06
3203	487863.09	3846877.25	6.26E-06	8.49E-11	1.53E-07	1.93E-07	6.61E-06	2.95E-06	3.50E-05	1.15E-05	7.07E-06	5.65E-05	2.81E-06	6.96E-11	1.53E-07	1.93E-07	3.15E-06
3204	488363.09	3846877.25	6.05E-06	8.41E-11	1.64E-07	1.95E-07	6.41E-06	2.85E-06	3.47E-05	1.23E-05	7.14E-06	5.69E-05	2.71E-06	6.90E-11	1.64E-07	1.95E-07	3.07E-06
3205	488863.09	3846877.25	5.96E-06	8.33E-11	1.85E-07	1.97E-07	6.34E-06	2.81E-06	3.43E-05	1.38E-05	7.23E-06	5.82E-05	2.67E-06	6.84E-11	1.85E-07	1.97E-07	3.06E-06
3206	489363.09	3846877.25	6.09E-06	8.33E-11	2.02E-07	1.99E-07	6.49E-06	2.87E-06	3.43E-05	1.52E-05	7.29E-06	5.97E-05	2.73E-06	6.84E-11	2.02E-07	1.99E-07	3.13E-06
3207	489863.09	3846877.25	5.92E-06	8.41E-11	2.08E-07	2.00E-07	6.33E-06	2.79E-06	3.47E-05	1.56E-05	7.33E-06	6.03E-05	2.65E-06	6.90E-11	2.08E-07	2.00E-07	3.06E-06
3208	490363.09	3846877.25	5.41E-06	8.03E-11	1.82E-07	1.97E-07	5.79E-06	2.55E-06	3.31E-05	1.37E-05	7.23E-06	5.65E-05	2.43E-06	6.59E-11	1.82E-07	1.97E-07	2.80E-06
3209	490863.09	3846877.25	5.41E-06	7.95E-11	1.71E-07	1.98E-07	5.78E-06	2.55E-06	3.28E-05	1.28E-05	7.26E-06	5.54E-05	2.43E-06	6.53E-11	1.71E-07	1.98E-07	2.79E-06
3210	491363.09	3846877.25	5.71E-06	8.18E-11	1.69E-07	2.04E-07	6.08E-06	2.69E-06	3.37E-05	1.27E-05	7.48E-06	5.66E-05	2.56E-06	6.71E-11	1.69E-07	2.04E-07	2.93E-06
3211	491863.09	3846877.25	5.88E-06	8.26E-11	1.70E-07	2.08E-07	6.26E-06	2.77E-06	3.40E-05	1.28E-05	7.64E-06	5.72E-05	2.64E-06	6.78E-11	1.70E-07	2.08E-07	3.01E-06
3212	492363.09	3846877.25	6.56E-06	9.02E-11	1.81E-07	2.22E-07	6.96E-06	3.09E-06	3.72E-05	1.36E-05	8.15E-06	6.20E-05	2.94E-06	7.40E-11	1.81E-07	2.22E-07	3.34E-06
3213	492863.09	3846877.25	6.86E-06	9.25E-11	1.76E-07	2.30E-07	7.26E-06	3.23E-06	3.81E-05	1.32E-05	8.43E-06	6.30E-05	3.08E-06	7.59E-11	1.76E-07	2.30E-07	3.48E-06
3214	493363.09	3846877.25	7.45E-06	9.63E-11	1.70E-07	2.39E-07	7.86E-06	3.51E-06	3.97E-05	1.28E-05	8.75E-06	6.47E-05	3.34E-06	7.91E-11	1.70E-07	2.39E-07	3.75E-06
3215	493863.09	3846877.25	7.92E-06	9.86E-11	1.68E-07	2.45E-07	8.33E-06	3.74E-06	4.06E-05	1.26E-05	8.97E-06	6.60E-05	3.55E-06	8.09E-11	1.68E-07	2.45E-07	3.97E-06
3216	494363.09	3846877.25	8.39E-06	1.02E-10	1.69E-07	2.51E-07	8.81E-06	3.96E-06	4.19E-05	1.27E-05	9.19E-06	6.77E-05	3.76E-06	8.35E-11	1.69E-07	2.51E-07	4.18E-06
3217	494863.09	3846877.25	8.77E-06	1.07E-10	1.73E-07	2.56E-07	9.20E-06	4.14E-06	4.41E-05	1.29E-05	9.38E-06	7.06E-05	3.93E-06	8.78E-11	1.73E-07	2.56E-07	4.36E-06
3218	495363.09	3846877.25	9.07E-06	1.13E-10	1.76E-07	2.63E-07	9.51E-06	4.28E-06	4.66E-05	1.32E-05	9.63E-06	7.37E-05	4.07E-06	9.29E-11	1.76E-07	2.63E-07	4.51E-06
3219	495863.09	3846877.25	9.45E-06	1.19E-10	1.85E-07	2.70E-07	9.91E-06	4.46E-06	4.91E-05	1.39E-05	9.91E-06	7.74E-05	4.24E-06	9.79E-11	1.85E-07	2.70E-07	4.70E-06
3220	496363.09	3846877.25	1.01E-05	1.26E-10	2.05E-07	2.79E-07	1.06E-05	4.76E-06	5.20E-05	1.54E-05	1.02E-05	8.23E-05	4.53E-06	1.04E-10	2.05E-07	2.79E-07	5.01E-06
3221	496863.09	3846877.25	1.09E-05	1.34E-10	2.29E-07	2.88E-07	1.15E-05	5.16E-06	5.51E-05	1.72E-05	1.06E-05	8.80E-05	4.91E-06	1.10E-10	2.29E-07	2.88E-07	5.43E-06
3222	497363.09	3846877.25	1.20E-05	1.45E-10	2.58E-07	3.00E-07	1.26E-05	5.66E-06	5.95E-05	1.93E-05	1.10E-05	9.55E-05	5.39E-06	1.19E-10	2.58E-07	3.00E-07	5.94E-06
3223	497863.09	3846877.25	1.31E-05	1.55E-10	2.89E-07	3.10E-07	1.37E-05	6.19E-06	6.39E-05	2.17E-05	1.14E-05	1.03E-04	5.88E-06	1.27E-10	2.89E-07	3.10E-07	6.48E-06
3224	498363.09	3846877.25	1.38E-05	1.62E-10	3.07E-07	3.20E-07	1.44E-05	6.49E-06	6.68E-05	2.30E-05	1.17E-05	1.08E-04	6.17E-06	1.33E-10	3.07E-07	3.20E-07	6.80E-06
3225	471363.09	3847377.25	2.55E-05	3.02E-10	1.34E-07	1.77E-07	2.58E-05	1.20E-05	1.24E-04	1.00E-05	6.47E-06	1.53E-04	1.14E-05	2.48E-10	1.34E-07	1.77E-07	1.17E-05
3226	471863.09	3847377.25	2.61E-05	3.04E-10	1.30E-07	1.79E-07	2.64E-05	1.23E-05	1.25E-04	9.76E-06	6.57E-06	1.54E-04	1.17E-05	2.50E-10	1.30E-07	1.79E-07	1.20E-05
3227	472363.09	3847377.25	2.60E-05	2.97E-10	1.29E-07	1.82E-07	2.63E-05	1.23E-05	1.22E-04	9.70E-06	6.66E-06	1.51E-04	1.17E-05	2.43E-10	1.29E-07	1.82E-07	1.20E-05
3228	472863.09	3847377.25	2.50E-05	2.68E-10	1.29E-07	1.83E-07	2.53E-05	1.18E-05	1.10E-04	9.70E-06	6.69E-06	1.38E-04	1.12E-05	2.20E-10	1.29E-07	1.83E-07	1.15E-05
3229	473363.09	3847377.25	2.17E-05	2.04E-10	1.27E-07	1.79E-07	2.20E-05	1.02E-05	8.41E-05	9.50E-06	6.57E-06	1.10E-04	9.74E-06	1.68E-10	1.27E-07	1.79E-07	1.00E-05

3230	473863.09	3847377.25	2.15E-05	2.06E-10	1.30E-07	1.77E-07	2.18E-05	1.01E-05	8.47E-05	9.76E-06	6.50E-06	1.11E-04	9.63E-06	1.69E-10	1.30E-07	1.77E-07	9.93E-06
3231	474363.09	3847377.25	2.21E-05	2.37E-10	1.36E-07	1.76E-07	2.25E-05	1.04E-05	9.77E-05	1.02E-05	6.44E-06	1.25E-04	9.93E-06	1.95E-10	1.36E-07	1.76E-07	1.02E-05
3232	474863.09	3847377.25	2.04E-05	2.56E-10	1.39E-07	1.73E-07	2.07E-05	9.62E-06	1.06E-04	1.04E-05	6.35E-06	1.32E-04	9.15E-06	2.10E-10	1.39E-07	1.73E-07	9.46E-06
3233	475363.09	3847377.25	1.87E-05	2.68E-10	1.39E-07	1.71E-07	1.90E-05	8.80E-06	1.10E-04	1.04E-05	6.28E-06	1.36E-04	8.37E-06	2.20E-10	1.39E-07	1.71E-07	8.68E-06
3234	475863.09	3847377.25	2.17E-05	3.08E-10	1.39E-07	1.77E-07	2.20E-05	1.02E-05	1.27E-04	1.04E-05	6.47E-06	1.54E-04	9.74E-06	2.53E-10	1.39E-07	1.77E-07	1.01E-05
3235	476363.09	3847377.25	2.77E-05	3.36E-10	1.38E-07	1.89E-07	2.80E-05	1.31E-05	1.39E-04	1.03E-05	6.95E-06	1.69E-04	1.24E-05	2.76E-10	1.38E-07	1.89E-07	1.27E-05
3236	476863.09	3847377.25	3.56E-05	3.00E-10	1.35E-07	1.95E-07	3.59E-05	1.68E-05	1.24E-04	1.01E-05	7.14E-06	1.58E-04	1.60E-05	2.47E-10	1.35E-07	1.95E-07	1.63E-05
3237	477363.09	3847377.25	3.68E-05	2.77E-10	1.36E-07	1.94E-07	3.72E-05	1.74E-05	1.14E-04	1.02E-05	7.10E-06	1.49E-04	1.65E-05	2.27E-10	1.36E-07	1.94E-07	1.69E-05
3238	477863.09	3847377.25	3.44E-05	2.37E-10	1.44E-07	1.93E-07	3.47E-05	1.62E-05	9.77E-05	1.08E-05	7.07E-06	1.32E-04	1.54E-05	1.95E-10	1.44E-07	1.93E-07	1.58E-05
3239	478363.09	3847377.25	2.94E-05	2.29E-10	1.70E-07	1.97E-07	2.98E-05	1.39E-05	9.42E-05	1.28E-05	7.23E-06	1.28E-04	1.32E-05	1.88E-10	1.70E-07	1.97E-07	1.35E-05
3240	478863.09	3847377.25	2.29E-05	2.26E-10	2.31E-07	2.14E-07	2.33E-05	1.08E-05	9.29E-05	1.73E-05	7.83E-06	1.29E-04	1.03E-05	1.85E-10	2.31E-07	2.14E-07	1.07E-05
3241	479363.09	3847377.25	2.09E-05	1.80E-10	2.11E-07	1.97E-07	2.13E-05	9.84E-06	7.40E-05	1.58E-05	7.23E-06	1.07E-04	9.36E-06	1.47E-10	2.11E-07	1.97E-07	9.77E-06
3242	479863.09	3847377.25	1.49E-05	1.44E-10	1.68E-07	1.92E-07	1.53E-05	7.03E-06	5.92E-05	1.26E-05	7.04E-06	8.59E-05	6.68E-06	1.18E-10	1.68E-07	1.92E-07	7.04E-06
3243	480363.09	3847377.25	1.01E-05	1.21E-10	1.52E-07	1.95E-07	1.04E-05	4.74E-06	4.98E-05	1.14E-05	7.17E-06	7.31E-05	4.51E-06	9.91E-11	1.52E-07	1.95E-07	4.86E-06
3244	480863.09	3847377.25	9.45E-06	1.15E-10	1.50E-07	2.01E-07	9.80E-06	4.46E-06	4.73E-05	1.12E-05	7.36E-06	7.03E-05	4.24E-06	9.41E-11	1.50E-07	2.01E-07	4.59E-06
3245	481363.09	3847377.25	1.03E-05	1.19E-10	1.51E-07	2.08E-07	1.07E-05	4.86E-06	4.88E-05	1.14E-05	7.64E-06	7.27E-05	4.62E-06	9.73E-11	1.51E-07	2.08E-07	4.98E-06
3246	481863.09	3847377.25	1.20E-05	1.33E-10	1.61E-07	2.14E-07	1.23E-05	5.64E-06	5.48E-05	1.21E-05	7.86E-06	8.04E-05	5.37E-06	1.09E-10	1.61E-07	2.14E-07	5.74E-06
3247	482363.09	3847377.25	1.11E-05	1.28E-10	1.71E-07	2.11E-07	1.15E-05	5.22E-06	5.29E-05	1.28E-05	7.74E-06	7.87E-05	4.97E-06	1.05E-10	1.71E-07	2.11E-07	5.35E-06
3248	482863.09	3847377.25	1.06E-05	1.22E-10	1.85E-07	2.08E-07	1.10E-05	4.98E-06	5.01E-05	1.38E-05	7.61E-06	7.65E-05	4.74E-06	9.98E-11	1.85E-07	2.08E-07	5.13E-06
3249	483363.09	3847377.25	1.00E-05	1.15E-10	1.99E-07	2.07E-07	1.04E-05	4.72E-06	4.76E-05	1.49E-05	7.58E-06	7.48E-05	4.49E-06	9.47E-11	1.99E-07	2.07E-07	4.89E-06
3250	483863.09	3847377.25	1.00E-05	1.13E-10	2.21E-07	2.09E-07	1.04E-05	4.72E-06	4.66E-05	1.66E-05	7.67E-06	7.56E-05	4.49E-06	9.29E-11	2.21E-07	2.09E-07	4.92E-06
3251	484363.09	3847377.25	9.79E-06	1.14E-10	2.52E-07	2.13E-07	1.03E-05	4.62E-06	4.69E-05	1.89E-05	7.80E-06	7.82E-05	4.39E-06	9.35E-11	2.52E-07	2.13E-07	4.86E-06
3252	484863.09	3847377.25	9.37E-06	1.10E-10	2.68E-07	2.14E-07	9.85E-06	4.42E-06	4.54E-05	2.01E-05	7.83E-06	7.77E-05	4.20E-06	9.04E-11	2.68E-07	2.14E-07	4.68E-06
3253	485363.09	3847377.25	9.07E-06	1.08E-10	2.57E-07	2.12E-07	9.54E-06	4.28E-06	4.44E-05	1.93E-05	7.77E-06	7.57E-05	4.07E-06	8.85E-11	2.57E-07	2.12E-07	4.54E-06
3254	485863.09	3847377.25	8.52E-06	1.06E-10	2.28E-07	2.08E-07	8.95E-06	4.02E-06	4.35E-05	1.71E-05	7.64E-06	7.22E-05	3.82E-06	8.66E-11	2.28E-07	2.08E-07	4.26E-06
3255	486363.09	3847377.25	8.18E-06	1.07E-10	1.94E-07	2.06E-07	8.58E-06	3.86E-06	4.41E-05	1.45E-05	7.55E-06	7.00E-05	3.67E-06	8.78E-11	1.94E-07	2.06E-07	4.07E-06
3256	486863.09	3847377.25	7.50E-06	1.02E-10	1.74E-07	2.04E-07	7.87E-06	3.54E-06	4.19E-05	1.31E-05	7.48E-06	6.60E-05	3.36E-06	8.35E-11	1.74E-07	2.04E-07	3.74E-06
3257	487363.09	3847377.25	7.50E-06	9.94E-11	1.62E-07	2.06E-07	7.86E-06	3.54E-06	4.10E-05	1.21E-05	7.55E-06	6.42E-05	3.36E-06	8.16E-11	1.62E-07	2.06E-07	3.73E-06
3258	487863.09	3847377.25	7.03E-06	9.33E-11	1.62E-07	2.06E-07	7.39E-06	3.31E-06	3.84E-05	1.21E-05	7.55E-06	6.14E-05	3.15E-06	7.65E-11	1.62E-07	2.06E-07	3.52E-06
3259	488363.09	3847377.25	6.77E-06	9.18E-11	1.80E-07	2.08E-07	7.16E-06	3.19E-06	3.78E-05	1.35E-05	7.61E-06	6.21E-05	3.04E-06	7.53E-11	1.80E-07	2.08E-07	3.42E-06
3260	488863.09	3847377.25	6.73E-06	9.18E-11	2.05E-07	2.10E-07	7.14E-06	3.17E-06	3.78E-05	1.54E-05	7.70E-06	6.40E-05	3.02E-06	7.53E-11	2.05E-07	2.10E-07	3.43E-06
3261	489363.09	3847377.25	6.81E-06	9.18E-11	2.24E-07	2.12E-07	7.25E-06	3.21E-06	3.78E-05	1.68E-05	7.77E-06	6.56E-05	3.06E-06	7.53E-11	2.24E-07	2.12E-07	3.49E-06
3262	489863.09	3847377.25	6.47E-06	9.18E-11	2.16E-07	2.14E-07	6.90E-06	3.05E-06	3.78E-05	1.62E-05	7.83E-06	6.49E-05	2.90E-06	7.53E-11	2.16E-07	2.14E-07	3.33E-06
3263	490363.09	3847377.25	6.18E-06	8.95E-11	1.96E-07	2.15E-07	6.59E-06	2.91E-06	3.69E-05	1.47E-05	7.89E-06	6.23E-05	2.77E-06	7.34E-11	1.96E-07	2.15E-07	3.18E-06
3264	490863.09	3847377.25	6.43E-06	9.10E-11	1.91E-07	2.20E-07	6.84E-06	3.03E-06	3.75E-05	1.44E-05	8.08E-06	6.30E-05	2.88E-06	7.47E-11	1.91E-07	2.20E-07	3.30E-06
3265	491363.09	3847377.25	6.73E-06	9.25E-11	1.90E-07	2.26E-07	7.14E-06	3.17E-06	3.81E-05	1.42E-05	8.27E-06	6.38E-05	3.02E-06	7.59E-11	1.90E-07	2.26E-07	3.43E-06
3266	491863.09	3847377.25	7.32E-06	9.79E-11	2.00E-07	2.35E-07	7.76E-06	3.45E-06	4.03E-05	1.50E-05	8.62E-06	6.74E-05	3.29E-06	8.03E-11	2.00E-07	2.35E-07	3.72E-06
3267	492363.09	3847377.25	7.50E-06	9.94E-11	1.96E-07	2.42E-07	7.93E-06	3.54E-06	4.10E-05	1.47E-05	8.87E-06	6.80E-05	3.36E-06	8.16E-11	1.96E-07	2.42E-07	3.80E-06
3268	492863.09	3847377.25	8.05E-06	1.03E-10	1.90E-07	2.51E-07	8.49E-06	3.80E-06	4.25E-05	1.42E-05	9.22E-06	6.98E-05	3.61E-06	8.47E-11	1.90E-07	2.51E-07	4.05E-06
3269	493363.09	3847377.25	8.52E-06	1.06E-10	1.79E-07	2.59E-07	8.96E-06	4.02E-06	4.35E-05	1.35E-05	9.50E-06	7.04E-05	3.82E-06	8.66E-11	1.79E-07	2.59E-07	4.26E-06
3270	493863.09	3847377.25	8.82E-06	1.07E-10	1.75E-07	2.64E-07	9.26E-06	4.16E-06	4.41E-05	1.31E-05	9.69E-06	7.11E-05	3.95E-06	8.78E-11	1.75E-07	2.64E-07	4.39E-06
3271	494363.09	3847377.25	9.07E-06	1.11E-10	1.77E-07	2.69E-07	9.52E-06	4.28E-06	4.57E-05	1.33E-05	9.85E-06	7.31E-05	4.07E-06	9.10E-11	1.77E-07	2.69E-07	4.51E-06
3272	494863.09	3847377.25	9.33E-06	1.16E-10	1.80E-07	2.75E-07	9.78E-06	4.40E-06	4.79E-05	1.35E-05	1.01E-05	7.59E-05	4.18E-06	9.54E-11	1.80E-07	2.75E-07	4.64E-06
3273	495363.09	3847377.25	9.71E-06	1.22E-10	1.88E-07	2.82E-07	1.02E-05	4.58E-06	5.04E-05	1.41E-05	1.04E-05	7.94E-05	4.35E-06	1.00E-10	1.88E-07	2.82E-07	4.83E-06
3274	495863.09	3847377.25	1.03E-05	1.29E-10	2.07E-07	2.92E-07	1.08E-05	4.88E-06	5.32E-05	1.55E-05	1.07E-05	8.43E-05	4.64E-06	1.06E-10	2.07E-07	2.92E-07	5.14E-06
3275	496363.09	3847377.25	1.11E-05	1.36E-10	2.30E-07	3.01E-07	1.16E-05	5.22E-06	5.61E-05	1.72E-05	1.11E-05	8.96E-05	4.97E-06	1.12E-10	2.30E-07	3.01E-07	5.50E-06
3276	496863.09	3847377.25	1.22E-05	1.45E-10	2.53E-07	3.13E-07	1.27E-05	5.74E-06	5.99E-05	1.90E-05	1.15E-05	9.61E-05	5.46E-06	1.19E-10	2.53E-07	3.13E-07	6.03E-06
3277	497363.09	3847377.25	1.36E-05	1.59E-10	2.84E-07	3.27E-07	1.42E-05	6.41E-06	6.55E-05	2.13E-05	1.20E-05	1.05E-04	6.09E-06	1.31E-10	2.84E-07	3.27E-07	6.70E-06
3278	497863.09	3847377.25	1.54E-05	1.76E-10	3.21E-07	3.40E-07	1.61E-05	7.27E-06	7.25E-05	2.40E-05	1.25E-05	1.16E-04	6.91E-06	1.44E-10	3.21E-07	3.40E-07	7.57E-06
3279	498363.09	3847377.25	1.66E-05	1.85E-10	3.39E-07	3.51E-07	1.73E-05	7.81E-06	7.62E-05	2.55E-05	1.29E-05	1.22E-04	7.43E-06	1.52E-10	3.39E-07	3.51E-07	8.12E-06
3280	471363.09	3847877.25	2.82E-05	3.23E-10	1.40E-07	1.83E-07	2.85E-05	1.33E-05	1.33E-04	1.05E-05	6.69E-06	1.63E-04	1.26E-05	2.65E-10	1.40E-07	1.83E-07	1.30E-05
3281	471863.09	3847877.25	2.81E-05	3.30E-10	1.39E-07	1.84E-07	2.84E-05	1.32E-05	1.36E-04	1.05E-05	6.76E-06	1.67E-04	1.26E-05	2.71E-10	1.39E-07	1.84E-07	1.29E-05
3282	472363.09	3847877.25	2.84E-05	3.33E-10	1.37E-07	1.87E-07	2.87E-05	1.34E-05	1.37E-04	1.03E-05	6.85E-06	1.68E-04	1.27E-05	2.74E-10	1.37E-07	1.87E-07	1.31E-05
3283	472863.09	3847877.25	2.87E-05	3.26E-10	1.34E-07	1.89E-07	2.90E-05	1.35E-05	1.34E-04	1.01E-05	6.91E-06	1.65E-04	1.29E-05	2.67E-10	1.34E-07	1.89E-07	1.32E-05
3284	473363.09	3847877.25	2.85E-05	3.15E-10	1.33E-07	1.90E-07	2.88E-05	1.34E-05	1.30E-04	9.95E-06	6.98E-06	1.60E-04	1.28E-05	2.59E-10	1.33E-07	1.90E-07	1.31E-05
3285	473863.09	3847877.25	2.75E-05	2.82E-10	1.35E-07	1.91E-07	2.78E-05	1.30E-05	1.16E-04	1.01E-05	7.01E-06	1.46E-04	1.23E-05	2.32E-10	1.35E-07	1.91E-07	1.27E-05
3286	474363.09	3847877.25	2.47E-05	2.33E-10	1.36E-07	1.88E-07	2.51E-05	1.17E-05	9.61E-05	1.02E-05	6.88E-06	1.25E-04	1.11E-05	1.91E-10	1.36E-07	1.88E-07	1.14E-05
3287	474863.09	3847877.25	2.53E-05	2.69E-10	1.41E-07	1.86E-07	2.56E-05	1.19E-05	1.11E-04	1.06E-05	6.82E-06	1.40E-04	1.13E-05	2.21E-10	1.41E-07	1.86E-07	1.17E-05
3288	475363.09	3847877.25	2.33E-05	2.83E-10	1.45E-07	1.83E-07	2.37E-05	1.10E-05	1.17E-04	1.08E-05	6.69E-06	1.45E-04	1.05E-05	2.32E-10	1.45E-07	1.83E-07	1.08E-05
3289	475863.09	3847877.25	2.07E-05	2.93E-10	1.45E-07	1.81E-07	2.11E-05	9.78E-06	1.21E-04	1.08E-05	6.63E-06	1.48E-04	9.30E-06	2.40E-10	1.45E-07	1.81E-07	9.63E-06
3290	476363.09	3847877.25	2.51E-05	3.76E-10	1.46E-07	1.89E-07	2.54E-05	1.18E-05	1.55E-04	1.10E-05	6.95E-06	1.85E-04	1.12E-05	3.09E-10	1.46E-07	1.89E-07	1.16E-05

3291	476863.09	3847877.25	3.06E-05	3.68E-10	1.44E-07	2.01E-07	3.09E-05	1.44E-05	1.52E-04	1.08E-05	7.39E-06	1.84E-04	1.37E-05	3.02E-10	1.44E-07	2.01E-07	1.41E-05
3292	477363.09	3847877.25	4.05E-05	3.43E-10	1.42E-07	2.07E-07	4.09E-05	1.91E-05	1.41E-04	1.07E-05	7.58E-06	1.79E-04	1.82E-05	2.82E-10	1.42E-07	2.07E-07	1.85E-05
3293	477863.09	3847877.25	4.17E-05	3.01E-10	1.43E-07	2.06E-07	4.20E-05	1.97E-05	1.24E-04	1.07E-05	7.55E-06	1.62E-04	1.87E-05	2.47E-10	1.43E-07	2.06E-07	1.90E-05
3294	478363.09	3847877.25	3.91E-05	2.64E-10	1.53E-07	2.08E-07	3.94E-05	1.84E-05	1.09E-04	1.15E-05	7.61E-06	1.46E-04	1.75E-05	2.16E-10	1.53E-07	2.08E-07	1.79E-05
3295	478863.09	3847877.25	3.16E-05	2.52E-10	2.00E-07	2.28E-07	3.20E-05	1.49E-05	1.04E-04	1.50E-05	8.37E-06	1.42E-04	1.42E-05	2.06E-10	2.00E-07	2.28E-07	1.46E-05
3296	479363.09	3847877.25	1.99E-05	1.87E-10	2.04E-07	2.06E-07	2.03E-05	9.40E-06	7.72E-05	1.53E-05	7.55E-06	1.09E-04	8.94E-06	1.54E-10	2.04E-07	2.06E-07	9.35E-06
3297	479863.09	3847877.25	1.27E-05	1.33E-10	1.56E-07	1.97E-07	1.30E-05	5.99E-06	5.48E-05	1.17E-05	7.23E-06	7.97E-05	5.69E-06	1.09E-10	1.56E-07	1.97E-07	6.04E-06
3298	480363.09	3847877.25	1.24E-05	1.35E-10	1.61E-07	2.03E-07	1.27E-05	5.82E-06	5.58E-05	1.21E-05	7.45E-06	8.11E-05	5.54E-06	1.11E-10	1.61E-07	2.03E-07	5.90E-06
3299	480863.09	3847877.25	1.10E-05	1.28E-10	1.59E-07	2.10E-07	1.14E-05	5.18E-06	5.29E-05	1.19E-05	7.70E-06	7.77E-05	4.93E-06	1.05E-10	1.59E-07	2.10E-07	5.30E-06
3300	481363.09	3847877.25	1.14E-05	1.28E-10	1.58E-07	2.17E-07	1.17E-05	5.36E-06	5.29E-05	1.19E-05	7.96E-06	7.81E-05	5.10E-06	1.05E-10	1.58E-07	2.17E-07	5.47E-06
3301	481863.09	3847877.25	1.47E-05	1.51E-10	1.71E-07	2.26E-07	1.51E-05	6.95E-06	6.21E-05	1.28E-05	8.30E-06	9.01E-05	6.61E-06	1.24E-10	1.71E-07	2.26E-07	7.01E-06
3302	482363.09	3847877.25	1.32E-05	1.45E-10	1.75E-07	2.23E-07	1.36E-05	6.21E-06	5.95E-05	1.31E-05	8.18E-06	8.71E-05	5.90E-06	1.19E-10	1.75E-07	2.23E-07	6.30E-06
3303	482863.09	3847877.25	1.19E-05	1.33E-10	1.86E-07	2.19E-07	1.23E-05	5.60E-06	5.48E-05	1.40E-05	8.02E-06	8.24E-05	5.33E-06	1.09E-10	1.86E-07	2.19E-07	5.73E-06
3304	483363.09	3847877.25	1.14E-05	1.28E-10	2.02E-07	2.19E-07	1.18E-05	5.36E-06	5.29E-05	1.51E-05	8.02E-06	8.14E-05	5.10E-06	1.05E-10	2.02E-07	2.19E-07	5.52E-06
3305	483863.09	3847877.25	1.17E-05	1.25E-10	2.23E-07	2.22E-07	1.22E-05	5.52E-06	5.17E-05	1.67E-05	8.15E-06	8.20E-05	5.25E-06	1.03E-10	2.23E-07	2.22E-07	5.70E-06
3306	484363.09	3847877.25	1.13E-05	1.25E-10	2.54E-07	2.26E-07	1.18E-05	5.34E-06	5.17E-05	1.91E-05	8.30E-06	8.44E-05	5.08E-06	1.03E-10	2.54E-07	2.26E-07	5.56E-06
3307	484863.09	3847877.25	1.09E-05	1.24E-10	2.85E-07	2.28E-07	1.15E-05	5.16E-06	5.10E-05	2.14E-05	8.37E-06	8.59E-05	4.91E-06	1.02E-10	2.85E-07	2.28E-07	5.42E-06
3308	485363.09	3847877.25	1.09E-05	1.23E-10	2.87E-07	2.27E-07	1.15E-05	5.16E-06	5.07E-05	2.15E-05	8.34E-06	8.57E-05	4.91E-06	1.01E-10	2.87E-07	2.27E-07	5.42E-06
3309	485863.09	3847877.25	1.02E-05	1.20E-10	2.61E-07	2.24E-07	1.07E-05	4.80E-06	4.95E-05	1.96E-05	8.21E-06	8.20E-05	4.56E-06	9.85E-11	2.61E-07	2.24E-07	5.05E-06
3310	486363.09	3847877.25	9.11E-06	1.16E-10	2.11E-07	2.20E-07	9.54E-06	4.30E-06	4.79E-05	1.58E-05	8.05E-06	7.60E-05	4.09E-06	9.54E-11	2.11E-07	2.20E-07	4.52E-06
3311	486863.09	3847877.25	8.77E-06	1.14E-10	1.88E-07	2.18E-07	9.18E-06	4.14E-06	4.69E-05	1.41E-05	7.99E-06	7.32E-05	3.93E-06	9.35E-11	1.88E-07	2.18E-07	4.34E-06
3312	487363.09	3847877.25	8.43E-06	1.08E-10	1.72E-07	2.20E-07	8.82E-06	3.98E-06	4.44E-05	1.29E-05	8.05E-06	6.93E-05	3.78E-06	8.85E-11	1.72E-07	2.20E-07	4.17E-06
3313	487863.09	3847877.25	7.96E-06	1.02E-10	1.71E-07	2.20E-07	8.35E-06	3.76E-06	4.22E-05	1.28E-05	8.05E-06	6.68E-05	3.57E-06	8.41E-11	1.71E-07	2.20E-07	3.96E-06
3314	488363.09	3847877.25	7.67E-06	1.02E-10	1.91E-07	2.21E-07	8.08E-06	3.62E-06	4.19E-05	1.43E-05	8.11E-06	6.79E-05	3.44E-06	8.35E-11	1.91E-07	2.21E-07	3.85E-06
3315	488863.09	3847877.25	7.71E-06	1.03E-10	2.17E-07	2.25E-07	8.15E-06	3.64E-06	4.25E-05	1.63E-05	8.24E-06	7.07E-05	3.46E-06	8.47E-11	2.17E-07	2.25E-07	3.90E-06
3316	489363.09	3847877.25	7.71E-06	1.03E-10	2.36E-07	2.28E-07	8.17E-06	3.64E-06	4.25E-05	1.77E-05	8.37E-06	7.22E-05	3.46E-06	8.47E-11	2.36E-07	2.28E-07	3.92E-06
3317	489863.09	3847877.25	7.88E-06	1.08E-10	2.35E-07	2.33E-07	8.35E-06	3.72E-06	4.44E-05	1.76E-05	8.56E-06	7.43E-05	3.53E-06	8.85E-11	2.35E-07	2.33E-07	4.00E-06
3318	490363.09	3847877.25	7.92E-06	1.09E-10	2.18E-07	2.39E-07	8.38E-06	3.74E-06	4.47E-05	1.63E-05	8.78E-06	7.36E-05	3.55E-06	8.91E-11	2.18E-07	2.39E-07	4.01E-06
3319	490863.09	3847877.25	8.13E-06	1.09E-10	2.08E-07	2.45E-07	8.59E-06	3.84E-06	4.47E-05	1.56E-05	8.97E-06	7.31E-05	3.65E-06	8.91E-11	2.08E-07	2.45E-07	4.10E-06
3320	491363.09	3847877.25	8.18E-06	1.08E-10	2.09E-07	2.50E-07	8.64E-06	3.86E-06	4.44E-05	1.57E-05	9.16E-06	7.31E-05	3.67E-06	8.85E-11	2.09E-07	2.50E-07	4.13E-06
3321	491863.09	3847877.25	8.52E-06	1.10E-10	2.10E-07	2.59E-07	8.99E-06	4.02E-06	4.54E-05	1.58E-05	9.50E-06	7.46E-05	3.82E-06	9.04E-11	2.10E-07	2.59E-07	4.29E-06
3322	492363.09	3847877.25	8.94E-06	1.13E-10	2.06E-07	2.70E-07	9.42E-06	4.22E-06	4.66E-05	1.54E-05	9.91E-06	7.62E-05	4.01E-06	9.29E-11	2.06E-07	2.70E-07	4.49E-06
3323	492863.09	3847877.25	9.37E-06	1.15E-10	1.95E-07	2.77E-07	9.84E-06	4.42E-06	4.73E-05	1.46E-05	1.02E-05	7.64E-05	4.20E-06	9.41E-11	1.95E-07	2.77E-07	4.67E-06
3324	493363.09	3847877.25	9.37E-06	1.14E-10	1.85E-07	2.79E-07	9.83E-06	4.42E-06	4.69E-05	1.38E-05	1.02E-05	7.54E-05	4.20E-06	9.35E-11	1.85E-07	2.79E-07	4.67E-06
3325	493863.09	3847877.25	9.45E-06	1.15E-10	1.80E-07	2.84E-07	9.92E-06	4.46E-06	4.76E-05	1.35E-05	1.04E-05	7.60E-05	4.24E-06	9.47E-11	1.80E-07	2.84E-07	4.70E-06
3326	494363.09	3847877.25	9.62E-06	1.20E-10	1.83E-07	2.90E-07	1.01E-05	4.54E-06	4.95E-05	1.37E-05	1.06E-05	7.83E-05	4.32E-06	9.85E-11	1.83E-07	2.90E-07	4.79E-06
3327	494863.09	3847877.25	1.01E-05	1.27E-10	1.89E-07	2.98E-07	1.05E-05	4.74E-06	5.23E-05	1.42E-05	1.09E-05	8.21E-05	4.51E-06	1.04E-10	1.89E-07	2.98E-07	4.99E-06
3328	495363.09	3847877.25	1.04E-05	1.32E-10	2.04E-07	3.04E-07	1.09E-05	4.92E-06	5.42E-05	1.53E-05	1.11E-05	8.56E-05	4.68E-06	1.08E-10	2.04E-07	3.04E-07	5.19E-06
3329	495863.09	3847877.25	1.02E-05	1.29E-10	2.12E-07	3.07E-07	1.07E-05	4.82E-06	5.32E-05	1.59E-05	1.13E-05	8.52E-05	4.58E-06	1.06E-10	2.12E-07	3.07E-07	5.10E-06
3330	496363.09	3847877.25	1.21E-05	1.47E-10	2.53E-07	3.27E-07	1.27E-05	5.72E-06	6.05E-05	1.89E-05	1.20E-05	9.71E-05	5.44E-06	1.20E-10	2.53E-07	3.27E-07	6.02E-06
3331	496863.09	3847877.25	1.35E-05	1.58E-10	2.79E-07	3.40E-07	1.41E-05	6.35E-06	6.52E-05	2.09E-05	1.25E-05	1.05E-04	6.04E-06	1.30E-10	2.79E-07	3.40E-07	6.65E-06
3332	497363.09	3847877.25	1.51E-05	1.74E-10	3.07E-07	3.54E-07	1.58E-05	7.13E-06	7.15E-05	2.30E-05	1.30E-05	1.15E-04	6.78E-06	1.42E-10	3.07E-07	3.54E-07	7.44E-06
3333	497863.09	3847877.25	1.81E-05	2.00E-10	3.52E-07	3.72E-07	1.89E-05	8.56E-06	8.22E-05	2.64E-05	1.36E-05	1.31E-04	8.14E-06	1.64E-10	3.52E-07	3.72E-07	8.86E-06
3334	498363.09	3847877.25	1.99E-05	2.13E-10	3.74E-07	3.87E-07	2.06E-05	9.38E-06	8.79E-05	2.81E-05	1.42E-05	1.40E-04	8.92E-06	1.75E-10	3.74E-07	3.87E-07	9.68E-06
3335	471363.09	3848377.25	2.91E-05	3.50E-10	1.39E-07	1.89E-07	2.94E-05	1.37E-05	1.44E-04	1.04E-05	6.95E-06	1.75E-04	1.30E-05	2.87E-10	1.39E-07	1.89E-07	1.34E-05
3336	471863.09	3848377.25	3.08E-05	3.52E-10	1.44E-07	1.91E-07	3.12E-05	1.45E-05	1.45E-04	1.08E-05	7.01E-06	1.77E-04	1.38E-05	2.89E-10	1.44E-07	1.91E-07	1.42E-05
3337	472363.09	3848377.25	3.11E-05	3.54E-10	1.45E-07	1.94E-07	3.14E-05	1.47E-05	1.46E-04	1.09E-05	7.10E-06	1.79E-04	1.39E-05	2.91E-10	1.45E-07	1.94E-07	1.43E-05
3338	472863.09	3848377.25	3.12E-05	3.62E-10	1.45E-07	1.95E-07	3.15E-05	1.47E-05	1.49E-04	1.08E-05	7.17E-06	1.82E-04	1.40E-05	2.97E-10	1.45E-07	1.95E-07	1.43E-05
3339	473363.09	3848377.25	3.15E-05	3.56E-10	1.41E-07	1.98E-07	3.19E-05	1.49E-05	1.47E-04	1.06E-05	7.26E-06	1.80E-04	1.41E-05	2.92E-10	1.41E-07	1.98E-07	1.45E-05
3340	473863.09	3848377.25	3.16E-05	3.46E-10	1.39E-07	2.00E-07	3.20E-05	1.49E-05	1.42E-04	1.05E-05	7.33E-06	1.75E-04	1.42E-05	2.84E-10	1.39E-07	2.00E-07	1.45E-05
3341	474363.09	3848377.25	3.09E-05	3.19E-10	1.39E-07	2.01E-07	3.12E-05	1.46E-05	1.31E-04	1.05E-05	7.36E-06	1.64E-04	1.38E-05	2.62E-10	1.39E-07	2.01E-07	1.42E-05
3342	474863.09	3848377.25	2.86E-05	2.71E-10	1.42E-07	1.98E-07	2.89E-05	1.35E-05	1.12E-04	1.07E-05	7.26E-06	1.43E-04	1.28E-05	2.22E-10	1.42E-07	1.98E-07	1.32E-05
3343	475363.09	3848377.25	2.96E-05	3.27E-10	1.47E-07	1.96E-07	3.00E-05	1.40E-05	1.35E-04	1.10E-05	7.20E-06	1.67E-04	1.33E-05	2.69E-10	1.47E-07	1.96E-07	1.36E-05
3344	475863.09	3848377.25	2.74E-05	3.31E-10	1.51E-07	1.93E-07	2.77E-05	1.29E-05	1.36E-04	1.14E-05	7.07E-06	1.68E-04	1.23E-05	2.72E-10	1.51E-07	1.93E-07	1.26E-05
3345	476363.09	3848377.25	2.37E-05	3.26E-10	1.52E-07	1.92E-07	2.40E-05	1.12E-05	1.34E-04	1.14E-05	7.04E-06	1.64E-04	1.06E-05	2.67E-10	1.52E-07	1.92E-07	1.10E-05
3346	476863.09	3848377.25	2.82E-05	4.42E-10	1.53E-07	2.01E-07	2.86E-05	1.33E-05	1.82E-04	1.15E-05	7.39E-06	2.14E-04	1.27E-05	3.63E-10	1.53E-07	2.01E-07	1.30E-05
3347	477363.09	3848377.25	3.35E-05	3.97E-10	1.51E-07	2.14E-07	3.39E-05	1.58E-05	1.63E-04	1.13E-05	7.83E-06	1.98E-04	1.50E-05	3.26E-10	1.51E-07	2.14E-07	1.54E-05
3348	477863.09	3848377.25	4.52E-05	3.78E-10	1.49E-07	2.19E-07	4.56E-05	2.13E-05	1.56E-04	1.12E-05	8.02E-06	1.96E-04	2.03E-05	3.10E-10	1.49E-07	2.19E-07	2.06E-05
3349	478363.09	3848377.25	4.64E-05	3.20E-10	1.50E-07	2.18E-07	4.68E-05	2.19E-05	1.32E-04	1.12E-05	7.99E-06	1.73E-04	2.08E-05	2.62E-10	1.50E-07	2.18E-07	2.12E-05
3350	478863.09	3848377.25	4.16E-05	2.73E-10	1.68E-07	2.34E-07	4.21E-05	1.96E-05	1.12E-04	1.26E-05	8.59E-06	1.53E-04	1.87E-05	2.24E-10	1.68E-07	2.34E-07	1.91E-05
3351	479363.09	3848377.25	2.58E-05	2.13E-10	1.91E-07	2.20E-07	2.62E-05	1.22E-05	8.76E-05	1.44E-05	8.08E-06	1.22E-04	1.16E-05	1.74E-10	1.91E-07	2.20E-07	1.20E-05

3352	479863.09	3848377.25	9.84E-06	1.17E-10	1.48E-07	2.01E-07	1.02E-05	4.64E-06	4.82E-05	1.11E-05	7.39E-06	7.13E-05	4.41E-06	9.60E-11	1.48E-07	2.01E-07	4.76E-06
3353	480363.09	3848377.25	1.31E-05	1.39E-10	1.63E-07	2.11E-07	1.34E-05	6.17E-06	5.73E-05	1.22E-05	7.74E-06	8.35E-05	5.86E-06	1.14E-10	1.63E-07	2.11E-07	6.24E-06
3354	480863.09	3848377.25	1.70E-05	1.67E-10	1.79E-07	2.22E-07	1.74E-05	8.03E-06	6.87E-05	1.35E-05	8.15E-06	9.83E-05	7.64E-06	1.37E-10	1.79E-07	2.22E-07	8.04E-06
3355	481363.09	3848377.25	1.79E-05	1.67E-10	1.73E-07	2.32E-07	1.83E-05	8.44E-06	6.90E-05	1.30E-05	8.52E-06	9.90E-05	8.02E-06	1.37E-10	1.73E-07	2.32E-07	8.43E-06
3356	481863.09	3848377.25	1.78E-05	1.69E-10	1.81E-07	2.41E-07	1.83E-05	8.42E-06	6.96E-05	1.36E-05	8.84E-06	1.00E-04	8.00E-06	1.39E-10	1.81E-07	2.41E-07	8.43E-06
3357	482363.09	3848377.25	1.68E-05	1.67E-10	1.89E-07	2.38E-07	1.72E-05	7.93E-06	6.87E-05	1.42E-05	8.71E-06	9.95E-05	7.54E-06	1.37E-10	1.89E-07	2.38E-07	7.97E-06
3358	482863.09	3848377.25	1.42E-05	1.51E-10	1.91E-07	2.32E-07	1.46E-05	6.71E-06	6.21E-05	1.44E-05	8.49E-06	9.16E-05	6.38E-06	1.24E-10	1.91E-07	2.32E-07	6.80E-06
3359	483363.09	3848377.25	1.39E-05	1.47E-10	2.05E-07	2.31E-07	1.43E-05	6.55E-06	6.05E-05	1.54E-05	8.46E-06	9.09E-05	6.23E-06	1.20E-10	2.05E-07	2.31E-07	6.66E-06
3360	483863.09	3848377.25	1.32E-05	1.37E-10	2.24E-07	2.33E-07	1.37E-05	6.25E-06	5.64E-05	1.68E-05	8.56E-06	8.80E-05	5.94E-06	1.12E-10	2.24E-07	2.33E-07	6.40E-06
3361	484363.09	3848377.25	1.26E-05	1.34E-10	2.53E-07	2.39E-07	1.31E-05	5.95E-06	5.51E-05	1.90E-05	8.75E-06	8.88E-05	5.65E-06	1.10E-10	2.53E-07	2.39E-07	6.15E-06
3362	484863.09	3848377.25	1.33E-05	1.41E-10	2.96E-07	2.44E-07	1.38E-05	6.27E-06	5.83E-05	2.22E-05	8.94E-06	9.57E-05	5.96E-06	1.16E-10	2.96E-07	2.44E-07	6.50E-06
3363	485363.09	3848377.25	1.29E-05	1.38E-10	3.11E-07	2.43E-07	1.34E-05	6.07E-06	5.67E-05	2.33E-05	8.90E-06	9.50E-05	5.77E-06	1.13E-10	3.11E-07	2.43E-07	6.32E-06
3364	485863.09	3848377.25	1.17E-05	1.32E-10	2.88E-07	2.39E-07	1.22E-05	5.52E-06	5.42E-05	2.16E-05	8.75E-06	9.01E-05	5.25E-06	1.08E-10	2.88E-07	2.39E-07	5.78E-06
3365	486363.09	3848377.25	1.06E-05	1.29E-10	2.36E-07	2.34E-07	1.11E-05	5.02E-06	5.32E-05	1.77E-05	8.59E-06	8.45E-05	4.77E-06	1.06E-10	2.36E-07	2.34E-07	5.24E-06
3366	486863.09	3848377.25	1.03E-05	1.27E-10	2.02E-07	2.32E-07	1.07E-05	4.84E-06	5.23E-05	1.52E-05	8.52E-06	8.08E-05	4.60E-06	1.04E-10	2.02E-07	2.32E-07	5.04E-06
3367	487363.09	3848377.25	9.28E-06	1.16E-10	1.82E-07	2.32E-07	9.70E-06	4.38E-06	4.79E-05	1.37E-05	8.52E-06	7.44E-05	4.16E-06	9.54E-11	1.82E-07	2.32E-07	4.58E-06
3368	487863.09	3848377.25	8.94E-06	1.13E-10	1.80E-07	2.34E-07	9.36E-06	4.22E-06	4.66E-05	1.35E-05	8.59E-06	7.29E-05	4.01E-06	9.29E-11	1.80E-07	2.34E-07	4.43E-06
3369	488363.09	3848377.25	8.77E-06	1.14E-10	2.02E-07	2.37E-07	9.21E-06	4.14E-06	4.69E-05	1.51E-05	8.68E-06	7.49E-05	3.93E-06	9.35E-11	2.02E-07	2.37E-07	4.37E-06
3370	488863.09	3848377.25	8.77E-06	1.14E-10	2.30E-07	2.41E-07	9.24E-06	4.14E-06	4.69E-05	1.72E-05	8.84E-06	7.71E-05	3.93E-06	9.35E-11	2.30E-07	2.41E-07	4.41E-06
3371	489363.09	3848377.25	8.86E-06	1.15E-10	2.48E-07	2.45E-07	9.35E-06	4.18E-06	4.76E-05	1.86E-05	9.00E-06	7.94E-05	3.97E-06	9.47E-11	2.48E-07	2.45E-07	4.47E-06
3372	489863.09	3848377.25	9.24E-06	1.22E-10	2.47E-07	2.54E-07	9.74E-06	4.36E-06	5.04E-05	1.85E-05	9.31E-06	8.26E-05	4.14E-06	1.00E-10	2.47E-07	2.54E-07	4.65E-06
3373	490363.09	3848377.25	9.58E-06	1.22E-10	2.31E-07	2.61E-07	1.01E-05	4.52E-06	5.04E-05	1.73E-05	9.57E-06	8.18E-05	4.30E-06	1.00E-10	2.31E-07	2.61E-07	4.79E-06
3374	490863.09	3848377.25	9.58E-06	1.22E-10	2.24E-07	2.68E-07	1.01E-05	4.52E-06	5.01E-05	1.68E-05	9.82E-06	8.12E-05	4.30E-06	9.98E-11	2.24E-07	2.68E-07	4.79E-06
3375	491363.09	3848377.25	9.75E-06	1.23E-10	2.28E-07	2.76E-07	1.03E-05	4.60E-06	5.07E-05	1.71E-05	1.01E-05	8.25E-05	4.37E-06	1.01E-10	2.28E-07	2.76E-07	4.88E-06
3376	491863.09	3848377.25	1.00E-05	1.25E-10	2.24E-07	2.87E-07	1.05E-05	4.72E-06	5.13E-05	1.68E-05	1.05E-05	8.34E-05	4.49E-06	1.02E-10	2.24E-07	2.87E-07	5.00E-06
3377	492363.09	3848377.25	1.00E-05	1.23E-10	2.11E-07	2.94E-07	1.05E-05	4.72E-06	5.07E-05	1.58E-05	1.08E-05	8.21E-05	4.49E-06	1.01E-10	2.11E-07	2.94E-07	4.99E-06
3378	492863.09	3848377.25	9.88E-06	1.22E-10	1.96E-07	2.96E-07	1.04E-05	4.66E-06	5.01E-05	1.47E-05	1.09E-05	8.03E-05	4.43E-06	9.98E-11	1.96E-07	2.96E-07	4.92E-06
3379	493363.09	3848377.25	1.01E-05	1.23E-10	1.85E-07	3.01E-07	1.06E-05	4.76E-06	5.07E-05	1.39E-05	1.11E-05	8.04E-05	4.53E-06	1.01E-10	1.85E-07	3.01E-07	5.01E-06
3380	493863.09	3848377.25	1.02E-05	1.26E-10	1.90E-07	3.06E-07	1.07E-05	4.82E-06	5.20E-05	1.42E-05	1.12E-05	8.22E-05	4.58E-06	1.04E-10	1.90E-07	3.06E-07	5.08E-06
3381	494363.09	3848377.25	1.05E-05	1.32E-10	1.89E-07	3.13E-07	1.10E-05	4.94E-06	5.42E-05	1.42E-05	1.15E-05	8.47E-05	4.70E-06	1.08E-10	1.89E-07	3.13E-07	5.20E-06
3382	494863.09	3848377.25	1.12E-05	1.39E-10	2.00E-07	3.23E-07	1.17E-05	5.28E-06	5.73E-05	1.50E-05	1.18E-05	8.94E-05	5.02E-06	1.14E-10	2.00E-07	3.23E-07	5.55E-06
3383	495363.09	3848377.25	1.13E-05	1.40E-10	2.19E-07	3.30E-07	1.18E-05	5.32E-06	5.76E-05	1.64E-05	1.21E-05	9.15E-05	5.06E-06	1.15E-10	2.19E-07	3.30E-07	5.61E-06
3384	495863.09	3848377.25	1.20E-05	1.46E-10	2.41E-07	3.39E-07	1.25E-05	5.64E-06	6.02E-05	1.81E-05	1.24E-05	9.63E-05	5.37E-06	1.20E-10	2.41E-07	3.39E-07	5.95E-06
3385	496363.09	3848377.25	1.34E-05	1.59E-10	2.74E-07	3.55E-07	1.40E-05	6.33E-06	6.55E-05	2.05E-05	1.30E-05	1.05E-04	6.02E-06	1.31E-10	2.74E-07	3.55E-07	6.65E-06
3386	496863.09	3848377.25	1.40E-05	1.66E-10	2.93E-07	3.64E-07	1.47E-05	6.61E-06	6.84E-05	2.20E-05	1.34E-05	1.10E-04	6.28E-06	1.36E-10	2.93E-07	3.64E-07	6.94E-06
3387	497363.09	3848377.25	1.63E-05	1.85E-10	3.28E-07	3.82E-07	1.70E-05	7.67E-06	7.62E-05	2.46E-05	1.40E-05	1.23E-04	7.30E-06	1.52E-10	3.28E-07	3.82E-07	8.01E-06
3388	497863.09	3848377.25	2.21E-05	2.32E-10	3.89E-07	4.12E-07	2.29E-05	1.04E-05	9.54E-05	2.91E-05	1.51E-05	1.50E-04	9.89E-06	1.90E-10	3.89E-07	4.12E-07	1.07E-05
3389	498363.09	3848377.25	2.38E-05	2.42E-10	3.94E-07	4.23E-07	2.46E-05	1.12E-05	9.99E-05	2.95E-05	1.55E-05	1.56E-04	1.07E-05	1.99E-10	3.94E-07	4.23E-07	1.15E-05
3390	471363.09	3848877.25	2.66E-05	3.72E-10	1.33E-07	1.97E-07	2.69E-05	1.25E-05	1.53E-04	9.95E-06	7.23E-06	1.83E-04	1.19E-05	3.06E-10	1.33E-07	1.97E-07	1.22E-05
3391	471863.09	3848877.25	2.95E-05	3.85E-10	1.39E-07	1.99E-07	2.99E-05	1.39E-05	1.58E-04	1.05E-05	7.29E-06	1.90E-04	1.32E-05	3.16E-10	1.39E-07	1.99E-07	1.36E-05
3392	472363.09	3848877.25	3.25E-05	3.88E-10	1.45E-07	2.01E-07	3.28E-05	1.53E-05	1.60E-04	1.09E-05	7.39E-06	1.93E-04	1.46E-05	3.18E-10	1.45E-07	2.01E-07	1.49E-05
3393	472863.09	3848877.25	3.43E-05	3.88E-10	1.51E-07	2.03E-07	3.46E-05	1.62E-05	1.60E-04	1.13E-05	7.45E-06	1.95E-04	1.54E-05	3.18E-10	1.51E-07	2.03E-07	1.57E-05
3394	473363.09	3848877.25	3.48E-05	3.98E-10	1.51E-07	2.06E-07	3.51E-05	1.64E-05	1.64E-04	1.14E-05	7.55E-06	1.99E-04	1.56E-05	3.26E-10	1.51E-07	2.06E-07	1.59E-05
3395	473863.09	3848877.25	3.49E-05	3.95E-10	1.50E-07	2.08E-07	3.53E-05	1.65E-05	1.63E-04	1.12E-05	7.64E-06	1.98E-04	1.57E-05	3.24E-10	1.50E-07	2.08E-07	1.60E-05
3396	474363.09	3848877.25	3.53E-05	3.88E-10	1.47E-07	2.10E-07	3.56E-05	1.66E-05	1.60E-04	1.10E-05	7.70E-06	1.95E-04	1.58E-05	3.19E-10	1.47E-07	2.10E-07	1.62E-05
3397	474863.09	3848877.25	3.44E-05	3.44E-10	1.46E-07	2.12E-07	3.48E-05	1.62E-05	1.42E-04	1.10E-05	7.77E-06	1.77E-04	1.54E-05	2.82E-10	1.46E-07	2.12E-07	1.58E-05
3398	475363.09	3848877.25	3.35E-05	3.29E-10	1.48E-07	2.11E-07	3.38E-05	1.58E-05	1.35E-04	1.11E-05	7.74E-06	1.70E-04	1.50E-05	2.70E-10	1.48E-07	2.11E-07	1.54E-05
3399	475863.09	3848877.25	3.39E-05	3.80E-10	1.52E-07	2.08E-07	3.43E-05	1.60E-05	1.57E-04	1.14E-05	7.64E-06	1.92E-04	1.52E-05	3.12E-10	1.52E-07	2.08E-07	1.56E-05
3400	476363.09	3848877.25	3.24E-05	4.06E-10	1.57E-07	2.06E-07	3.27E-05	1.53E-05	1.67E-04	1.18E-05	7.55E-06	2.02E-04	1.45E-05	3.33E-10	1.57E-07	2.06E-07	1.49E-05
3401	476863.09	3848877.25	2.92E-05	4.14E-10	1.61E-07	2.06E-07	2.96E-05	1.38E-05	1.70E-04	1.21E-05	7.55E-06	2.04E-04	1.31E-05	3.39E-10	1.61E-07	2.06E-07	1.35E-05
3402	477363.09	3848877.25	3.19E-05	5.25E-10	1.61E-07	2.14E-07	3.23E-05	1.50E-05	2.16E-04	1.21E-05	7.83E-06	2.51E-04	1.43E-05	4.31E-10	1.61E-07	2.14E-07	1.47E-05
3403	477863.09	3848877.25	3.79E-05	4.56E-10	1.58E-07	2.26E-07	3.83E-05	1.79E-05	1.88E-04	1.19E-05	8.30E-06	2.26E-04	1.70E-05	3.75E-10	1.58E-07	2.26E-07	1.74E-05
3404	478363.09	3848877.25	5.13E-05	4.28E-10	1.56E-07	2.31E-07	5.17E-05	2.42E-05	1.76E-04	1.17E-05	8.46E-06	2.21E-04	2.30E-05	3.51E-10	1.56E-07	2.31E-07	2.34E-05
3405	478863.09	3848877.25	5.20E-05	3.40E-10	1.62E-07	2.43E-07	5.24E-05	2.45E-05	1.40E-04	1.21E-05	8.90E-06	1.86E-04	2.33E-05	2.79E-10	1.62E-07	2.43E-07	2.37E-05
3406	479363.09	3848877.25	4.35E-05	2.81E-10	1.79E-07	2.53E-07	4.39E-05	2.05E-05	1.16E-04	1.34E-05	9.28E-06	1.59E-04	1.95E-05	2.30E-10	1.79E-07	2.53E-07	1.99E-05
3407	479863.09	3848877.25	2.77E-05	2.29E-10	2.11E-07	2.37E-07	2.82E-05	1.31E-05	9.45E-05	1.58E-05	8.68E-06	1.32E-04	1.24E-05	1.88E-10	2.11E-07	2.37E-07	1.29E-05
3408	480363.09	3848877.25	2.72E-05	2.19E-10	2.59E-07	2.35E-07	2.77E-05	1.28E-05	9.01E-05	1.94E-05	8.62E-06	1.31E-04	1.22E-05	1.79E-10	2.59E-07	2.35E-07	1.27E-05
3409	480863.09	3848877.25	2.73E-05	2.22E-10	2.45E-07	2.42E-07	2.78E-05	1.29E-05	9.14E-05	1.84E-05	8.87E-06	1.31E-04	1.23E-05	1.82E-10	2.45E-07	2.42E-07	1.27E-05
3410	481363.09	3848877.25	2.43E-05	2.11E-10	1.93E-07	2.52E-07	2.48E-05	1.15E-05	8.69E-05	1.45E-05	9.25E-06	1.22E-04	1.09E-05	1.73E-10	1.93E-07	2.52E-07	1.14E-05
3411	481863.09	3848877.25	2.17E-05	1.90E-10	1.88E-07	2.54E-07	2.22E-05	1.02E-05	7.84E-05	1.41E-05	9.31E-06	1.12E-04	9.74E-06	1.56E-10	1.88E-07	2.54E-07	1.02E-05
3412	482363.09	3848877.25	1.68E-05	1.70E-10	1.85E-07	2.49E-07	1.73E-05	7.93E-06	6.99E-05	1.38E-05	9.12E-06	1.01E-04	7.54E-06	1.39E-10	1.85E-07	2.49E-07	7.98E-06

3413	482863.09	3848877.25	1.38E-05	1.51E-10	1.87E-07	2.43E-07	1.43E-05	6.53E-06	6.21E-05	1.40E-05	8.90E-06	9.15E-05	6.21E-06	1.24E-10	1.87E-07	2.43E-07	6.64E-06
3414	483363.09	3848877.25	1.24E-05	1.41E-10	2.02E-07	2.40E-07	1.28E-05	5.84E-06	5.80E-05	1.51E-05	8.81E-06	8.77E-05	5.56E-06	1.15E-10	2.02E-07	2.40E-07	6.00E-06
3415	483863.09	3848877.25	1.26E-05	1.36E-10	2.22E-07	2.43E-07	1.30E-05	5.93E-06	5.61E-05	1.66E-05	8.90E-06	8.75E-05	5.63E-06	1.12E-10	2.22E-07	2.43E-07	6.10E-06
3416	484363.09	3848877.25	1.43E-05	1.45E-10	2.53E-07	2.51E-07	1.48E-05	6.75E-06	5.99E-05	1.89E-05	9.22E-06	9.48E-05	6.42E-06	1.19E-10	2.53E-07	2.51E-07	6.92E-06
3417	484863.09	3848877.25	1.61E-05	1.59E-10	3.00E-07	2.61E-07	1.66E-05	7.57E-06	6.55E-05	2.25E-05	9.57E-06	1.05E-04	7.20E-06	1.31E-10	3.00E-07	2.61E-07	7.76E-06
3418	485363.09	3848877.25	1.54E-05	1.57E-10	3.34E-07	2.61E-07	1.60E-05	7.25E-06	6.46E-05	2.51E-05	9.57E-06	1.06E-04	6.89E-06	1.29E-10	3.34E-07	2.61E-07	7.49E-06
3419	485863.09	3848877.25	1.37E-05	1.48E-10	3.19E-07	2.57E-07	1.43E-05	6.47E-06	6.08E-05	2.39E-05	9.41E-06	1.01E-04	6.15E-06	1.21E-10	3.19E-07	2.57E-07	6.73E-06
3420	486363.09	3848877.25	1.21E-05	1.41E-10	2.61E-07	2.51E-07	1.26E-05	5.68E-06	5.83E-05	1.96E-05	9.22E-06	9.28E-05	5.41E-06	1.16E-10	2.61E-07	2.51E-07	5.92E-06
3421	486863.09	3848877.25	1.14E-05	1.36E-10	2.18E-07	2.48E-07	1.18E-05	5.36E-06	5.61E-05	1.63E-05	9.09E-06	8.69E-05	5.10E-06	1.12E-10	2.18E-07	2.48E-07	5.57E-06
3422	487363.09	3848877.25	1.10E-05	1.32E-10	1.96E-07	2.49E-07	1.14E-05	5.18E-06	5.42E-05	1.47E-05	9.12E-06	8.32E-05	4.93E-06	1.08E-10	1.96E-07	2.49E-07	5.37E-06
3423	487863.09	3848877.25	1.03E-05	1.27E-10	1.91E-07	2.51E-07	1.07E-05	4.86E-06	5.23E-05	1.44E-05	9.22E-06	8.07E-05	4.62E-06	1.04E-10	1.91E-07	2.51E-07	5.06E-06
3424	488363.09	3848877.25	1.03E-05	1.28E-10	2.13E-07	2.56E-07	1.07E-05	4.84E-06	5.29E-05	1.60E-05	9.38E-06	8.31E-05	4.60E-06	1.05E-10	2.13E-07	2.56E-07	5.07E-06
3425	488863.09	3848877.25	1.02E-05	1.28E-10	2.45E-07	2.60E-07	1.07E-05	4.82E-06	5.26E-05	1.84E-05	9.54E-06	8.53E-05	4.58E-06	1.05E-10	2.45E-07	2.60E-07	5.09E-06
3426	489363.09	3848877.25	1.05E-05	1.32E-10	2.70E-07	2.68E-07	1.10E-05	4.94E-06	5.42E-05	2.02E-05	9.82E-06	8.92E-05	4.70E-06	1.08E-10	2.70E-07	2.68E-07	5.24E-06
3427	489863.09	3848877.25	1.11E-05	1.38E-10	2.70E-07	2.77E-07	1.16E-05	5.22E-06	5.67E-05	2.02E-05	1.02E-05	9.23E-05	4.97E-06	1.13E-10	2.70E-07	2.77E-07	5.51E-06
3428	490363.09	3848877.25	1.10E-05	1.35E-10	2.47E-07	2.86E-07	1.16E-05	5.20E-06	5.58E-05	1.85E-05	1.05E-05	8.99E-05	4.95E-06	1.11E-10	2.47E-07	2.86E-07	5.48E-06
3429	490863.09	3848877.25	1.11E-05	1.35E-10	2.43E-07	2.95E-07	1.17E-05	5.24E-06	5.54E-05	1.82E-05	1.08E-05	8.98E-05	4.98E-06	1.10E-10	2.43E-07	2.95E-07	5.52E-06
3430	491363.09	3848877.25	1.13E-05	1.38E-10	2.41E-07	3.06E-07	1.19E-05	5.34E-06	5.67E-05	1.81E-05	1.12E-05	9.13E-05	5.08E-06	1.13E-10	2.41E-07	3.06E-07	5.63E-06
3431	491863.09	3848877.25	1.12E-05	1.37E-10	2.30E-07	3.13E-07	1.17E-05	5.28E-06	5.64E-05	1.72E-05	1.15E-05	9.04E-05	5.02E-06	1.12E-10	2.30E-07	3.13E-07	5.57E-06
3432	492363.09	3848877.25	1.11E-05	1.35E-10	2.15E-07	3.19E-07	1.16E-05	5.22E-06	5.54E-05	1.61E-05	1.17E-05	8.85E-05	4.97E-06	1.10E-10	2.15E-07	3.19E-07	5.50E-06
3433	492863.09	3848877.25	1.07E-05	1.31E-10	1.95E-07	3.20E-07	1.12E-05	5.04E-06	5.39E-05	1.46E-05	1.17E-05	8.53E-05	4.79E-06	1.07E-10	1.95E-07	3.20E-07	5.31E-06
3434	493363.09	3848877.25	1.04E-05	1.29E-10	1.88E-07	3.22E-07	1.09E-05	4.90E-06	5.32E-05	1.41E-05	1.18E-05	8.40E-05	4.66E-06	1.06E-10	1.88E-07	3.22E-07	5.17E-06
3435	493863.09	3848877.25	1.11E-05	1.38E-10	1.92E-07	3.32E-07	1.16E-05	5.22E-06	5.70E-05	1.44E-05	1.22E-05	8.88E-05	4.97E-06	1.14E-10	1.92E-07	3.32E-07	5.49E-06
3436	494363.09	3848877.25	1.17E-05	1.45E-10	2.02E-07	3.44E-07	1.22E-05	5.50E-06	5.99E-05	1.51E-05	1.26E-05	9.31E-05	5.23E-06	1.19E-10	2.02E-07	3.44E-07	5.78E-06
3437	494863.09	3848877.25	1.28E-05	1.55E-10	2.26E-07	3.56E-07	1.34E-05	6.05E-06	6.39E-05	1.70E-05	1.31E-05	1.00E-04	5.75E-06	1.27E-10	2.26E-07	3.56E-07	6.33E-06
3438	495363.09	3848877.25	1.39E-05	1.64E-10	2.55E-07	3.69E-07	1.45E-05	6.55E-06	6.74E-05	1.91E-05	1.35E-05	1.07E-04	6.23E-06	1.34E-10	2.55E-07	3.69E-07	6.85E-06
3439	495863.09	3848877.25	1.39E-05	1.63E-10	2.69E-07	3.74E-07	1.46E-05	6.57E-06	6.71E-05	2.02E-05	1.37E-05	1.08E-04	6.25E-06	1.34E-10	2.69E-07	3.74E-07	6.89E-06
3440	496363.09	3848877.25	1.50E-05	1.74E-10	2.93E-07	3.87E-07	1.57E-05	7.07E-06	7.15E-05	2.20E-05	1.42E-05	1.15E-04	6.72E-06	1.42E-10	2.93E-07	3.87E-07	7.40E-06
3441	496863.09	3848877.25	1.74E-05	1.95E-10	3.33E-07	4.06E-07	1.81E-05	8.19E-06	8.03E-05	2.49E-05	1.49E-05	1.28E-04	7.79E-06	1.60E-10	3.33E-07	4.06E-07	8.53E-06
3442	497363.09	3848877.25	2.24E-05	2.34E-10	3.93E-07	4.35E-07	2.32E-05	1.05E-05	9.64E-05	2.95E-05	1.59E-05	1.52E-04	1.00E-05	1.92E-10	3.93E-07	4.35E-07	1.09E-05
3443	497863.09	3848877.25	2.57E-05	2.58E-10	4.09E-07	4.52E-07	2.65E-05	1.21E-05	1.06E-04	3.07E-05	1.66E-05	1.66E-04	1.15E-05	2.11E-10	4.09E-07	4.52E-07	1.24E-05
3444	498363.09	3848877.25	2.88E-05	2.78E-10	4.07E-07	4.67E-07	2.97E-05	1.36E-05	1.14E-04	3.05E-05	1.71E-05	1.76E-04	1.29E-05	2.28E-10	4.07E-07	4.67E-07	1.38E-05
3445	471363.09	3849377.25	2.61E-05	3.81E-10	1.37E-07	2.06E-07	2.64E-05	1.23E-05	1.57E-04	1.03E-05	7.55E-06	1.87E-04	1.17E-05	3.12E-10	1.37E-07	2.06E-07	1.20E-05
3446	471863.09	3849377.25	2.79E-05	4.10E-10	1.36E-07	2.08E-07	2.82E-05	1.32E-05	1.69E-04	1.02E-05	7.61E-06	2.00E-04	1.25E-05	3.36E-10	1.36E-07	2.08E-07	1.29E-05
3447	472363.09	3849377.25	3.02E-05	4.22E-10	1.40E-07	2.09E-07	3.05E-05	1.42E-05	1.74E-04	1.05E-05	7.67E-06	2.06E-04	1.35E-05	3.46E-10	1.40E-07	2.09E-07	1.39E-05
3448	472863.09	3849377.25	3.34E-05	4.30E-10	1.47E-07	2.12E-07	3.37E-05	1.57E-05	1.77E-04	1.10E-05	7.77E-06	2.12E-04	1.50E-05	3.53E-10	1.47E-07	2.12E-07	1.53E-05
3449	473363.09	3849377.25	3.65E-05	4.30E-10	1.54E-07	2.14E-07	3.69E-05	1.72E-05	1.77E-04	1.15E-05	7.86E-06	2.14E-04	1.64E-05	3.53E-10	1.54E-07	2.14E-07	1.68E-05
3450	473863.09	3849377.25	3.84E-05	4.34E-10	1.58E-07	2.17E-07	3.88E-05	1.81E-05	1.79E-04	1.19E-05	7.96E-06	2.17E-04	1.72E-05	3.56E-10	1.58E-07	2.17E-07	1.76E-05
3451	474363.09	3849377.25	3.91E-05	4.37E-10	1.58E-07	2.20E-07	3.94E-05	1.84E-05	1.80E-04	1.19E-05	8.05E-06	2.19E-04	1.75E-05	3.59E-10	1.58E-07	2.20E-07	1.79E-05
3452	474863.09	3849377.25	3.94E-05	4.32E-10	1.56E-07	2.22E-07	3.98E-05	1.86E-05	1.78E-04	1.17E-05	8.15E-06	2.16E-04	1.77E-05	3.55E-10	1.56E-07	2.22E-07	1.81E-05
3453	475363.09	3849377.25	3.95E-05	4.14E-10	1.53E-07	2.24E-07	3.99E-05	1.86E-05	1.70E-04	1.15E-05	8.21E-06	2.09E-04	1.77E-05	3.39E-10	1.53E-07	2.24E-07	1.81E-05
3454	475863.09	3849377.25	3.94E-05	4.26E-10	1.54E-07	2.24E-07	3.98E-05	1.86E-05	1.75E-04	1.15E-05	8.21E-06	2.14E-04	1.77E-05	3.49E-10	1.54E-07	2.24E-07	1.81E-05
3455	476363.09	3849377.25	3.93E-05	4.84E-10	1.58E-07	2.21E-07	3.97E-05	1.85E-05	1.99E-04	1.19E-05	8.11E-06	2.38E-04	1.76E-05	3.97E-10	1.58E-07	2.21E-07	1.80E-05
3456	476863.09	3849377.25	3.85E-05	5.44E-10	1.63E-07	2.19E-07	3.88E-05	1.81E-05	2.24E-04	1.22E-05	8.02E-06	2.62E-04	1.72E-05	4.46E-10	1.63E-07	2.19E-07	1.76E-05
3457	477363.09	3849377.25	3.60E-05	5.67E-10	1.68E-07	2.19E-07	3.64E-05	1.70E-05	2.33E-04	1.26E-05	8.02E-06	2.71E-04	1.62E-05	4.65E-10	1.68E-07	2.19E-07	1.65E-05
3458	477863.09	3849377.25	3.50E-05	5.50E-10	1.68E-07	2.28E-07	3.54E-05	1.65E-05	2.26E-04	1.26E-05	8.37E-06	2.64E-04	1.57E-05	4.51E-10	1.68E-07	2.28E-07	1.61E-05
3459	478363.09	3849377.25	4.25E-05	5.21E-10	1.66E-07	2.39E-07	4.29E-05	2.01E-05	2.15E-04	1.24E-05	8.78E-06	2.56E-04	1.91E-05	4.28E-10	1.66E-07	2.39E-07	1.95E-05
3460	478863.09	3849377.25	5.63E-05	4.36E-10	1.64E-07	2.45E-07	5.67E-05	2.65E-05	1.80E-04	1.23E-05	8.97E-06	2.27E-04	2.52E-05	3.58E-10	1.64E-07	2.45E-07	2.56E-05
3461	479363.09	3849377.25	5.85E-05	3.69E-10	1.70E-07	2.64E-07	5.89E-05	2.76E-05	1.52E-04	1.28E-05	9.69E-06	2.02E-04	2.62E-05	3.02E-10	1.70E-07	2.64E-07	2.67E-05
3462	479863.09	3849377.25	4.65E-05	3.00E-10	1.91E-07	2.76E-07	4.70E-05	2.20E-05	1.23E-04	1.43E-05	1.01E-05	1.70E-04	2.09E-05	2.46E-10	1.91E-07	2.76E-07	2.13E-05
3463	480363.09	3849377.25	3.97E-05	3.16E-10	2.59E-07	2.81E-07	4.03E-05	1.87E-05	1.30E-04	1.94E-05	1.03E-05	1.79E-04	1.78E-05	2.59E-10	2.59E-07	2.81E-07	1.84E-05
3464	480863.09	3849377.25	3.65E-05	2.81E-10	3.09E-07	2.64E-07	3.71E-05	1.72E-05	1.16E-04	2.32E-05	9.69E-06	1.66E-04	1.64E-05	2.30E-10	3.09E-07	2.64E-07	1.69E-05
3465	481363.09	3849377.25	2.92E-05	2.39E-10	2.28E-07	2.63E-07	2.97E-05	1.38E-05	9.83E-05	1.71E-05	9.66E-06	1.39E-04	1.31E-05	1.96E-10	2.28E-07	2.63E-07	1.36E-05
3466	481863.09	3849377.25	2.07E-05	1.90E-10	1.91E-07	2.63E-07	2.12E-05	9.76E-06	7.84E-05	1.44E-05	9.63E-06	1.12E-04	9.28E-06	1.56E-10	1.91E-07	2.63E-07	9.74E-06
3467	482363.09	3849377.25	1.75E-05	1.76E-10	1.88E-07	2.61E-07	1.80E-05	8.26E-06	7.25E-05	1.41E-05	9.57E-06	1.04E-04	7.85E-06	1.44E-10	1.88E-07	2.61E-07	8.30E-06
3468	482863.09	3849377.25	1.41E-05	1.54E-10	1.88E-07	2.55E-07	1.46E-05	6.67E-06	6.36E-05	1.41E-05	9.35E-06	9.37E-05	6.34E-06	1.27E-10	1.88E-07	2.55E-07	6.78E-06
3469	483363.09	3849377.25	1.29E-05	1.46E-10	2.01E-07	2.52E-07	1.33E-05	6.07E-06	6.02E-05	1.51E-05	9.25E-06	9.05E-05	5.77E-06	1.20E-10	2.01E-07	2.52E-07	6.22E-06
3470	483863.09	3849377.25	1.15E-05	1.34E-10	2.19E-07	2.53E-07	1.20E-05	5.44E-06	5.51E-05	1.64E-05	9.28E-06	8.62E-05	5.18E-06	1.10E-10	2.19E-07	2.53E-07	5.65E-06
3471	484363.09	3849377.25	1.62E-05	1.59E-10	2.53E-07	2.66E-07	1.67E-05	7.65E-06	6.55E-05	1.89E-05	9.76E-06	1.02E-04	7.28E-06	1.31E-10	2.53E-07	2.66E-07	7.80E-06
3472	484863.09	3849377.25	1.92E-05	1.78E-10	2.99E-07	2.78E-07	1.98E-05	9.08E-06	7.34E-05	2.25E-05	1.02E-05	1.15E-04	8.63E-06	1.46E-10	2.99E-07	2.78E-07	9.21E-06
3473	485363.09	3849377.25	1.86E-05	1.77E-10	3.55E-07	2.82E-07	1.92E-05	8.76E-06	7.31E-05	2.67E-05	1.03E-05	1.19E-04	8.33E-06	1.46E-10	3.55E-07	2.82E-07	8.96E-06

3474	485863.09	3849377.25	1.34E-05	1.48E-10	3.28E-07	2.71E-07	1.40E-05	6.33E-06	6.11E-05	2.46E-05	9.95E-06	1.02E-04	6.02E-06	1.22E-10	3.28E-07	2.71E-07	6.62E-06
3475	486363.09	3849377.25	1.09E-05	1.34E-10	2.66E-07	2.63E-07	1.15E-05	5.16E-06	5.51E-05	2.00E-05	9.63E-06	8.99E-05	4.91E-06	1.10E-10	2.66E-07	2.63E-07	5.44E-06
3476	486863.09	3849377.25	1.29E-05	1.48E-10	2.36E-07	2.65E-07	1.34E-05	6.09E-06	6.11E-05	1.77E-05	9.72E-06	9.47E-05	5.79E-06	1.22E-10	2.36E-07	2.65E-07	6.29E-06
3477	487363.09	3849377.25	1.26E-05	1.48E-10	2.12E-07	2.70E-07	1.31E-05	5.97E-06	6.11E-05	1.59E-05	9.88E-06	9.28E-05	5.67E-06	1.22E-10	2.12E-07	2.70E-07	6.15E-06
3478	487863.09	3849377.25	1.24E-05	1.45E-10	2.04E-07	2.72E-07	1.28E-05	5.82E-06	5.99E-05	1.53E-05	9.98E-06	9.10E-05	5.54E-06	1.19E-10	2.04E-07	2.72E-07	6.02E-06
3479	488363.09	3849377.25	1.21E-05	1.46E-10	2.27E-07	2.77E-07	1.26E-05	5.72E-06	6.02E-05	1.70E-05	1.02E-05	9.31E-05	5.44E-06	1.20E-10	2.27E-07	2.77E-07	5.95E-06
3480	488863.09	3849377.25	1.25E-05	1.48E-10	2.62E-07	2.87E-07	1.31E-05	5.91E-06	6.11E-05	1.96E-05	1.05E-05	9.72E-05	5.62E-06	1.22E-10	2.62E-07	2.87E-07	6.16E-06
3481	489363.09	3849377.25	1.30E-05	1.53E-10	2.86E-07	2.97E-07	1.36E-05	6.13E-06	6.30E-05	2.14E-05	1.09E-05	1.01E-04	5.83E-06	1.25E-10	2.86E-07	2.97E-07	6.41E-06
3482	489863.09	3849377.25	1.32E-05	1.55E-10	2.82E-07	3.09E-07	1.38E-05	6.25E-06	6.39E-05	2.12E-05	1.13E-05	1.03E-04	5.94E-06	1.27E-10	2.82E-07	3.09E-07	6.53E-06
3483	490363.09	3849377.25	1.30E-05	1.51E-10	2.62E-07	3.18E-07	1.36E-05	6.15E-06	6.24E-05	1.96E-05	1.17E-05	9.98E-05	5.84E-06	1.24E-10	2.62E-07	3.18E-07	6.42E-06
3484	490863.09	3849377.25	1.32E-05	1.52E-10	2.70E-07	3.28E-07	1.38E-05	6.25E-06	6.27E-05	2.02E-05	1.20E-05	1.01E-04	5.94E-06	1.25E-10	2.70E-07	3.28E-07	6.54E-06
3485	491363.09	3849377.25	1.34E-05	1.57E-10	2.66E-07	3.38E-07	1.40E-05	6.33E-06	6.46E-05	2.00E-05	1.24E-05	1.03E-04	6.02E-06	1.29E-10	2.66E-07	3.38E-07	6.62E-06
3486	491863.09	3849377.25	1.32E-05	1.56E-10	2.38E-07	3.46E-07	1.37E-05	6.21E-06	6.43E-05	1.79E-05	1.27E-05	1.01E-04	5.90E-06	1.28E-10	2.38E-07	3.46E-07	6.49E-06
3487	492363.09	3849377.25	1.30E-05	1.54E-10	2.21E-07	3.54E-07	1.36E-05	6.13E-06	6.33E-05	1.66E-05	1.30E-05	9.90E-05	5.83E-06	1.26E-10	2.21E-07	3.54E-07	6.40E-06
3488	492863.09	3849377.25	1.23E-05	1.48E-10	2.05E-07	3.54E-07	1.28E-05	5.78E-06	6.08E-05	1.54E-05	1.30E-05	9.49E-05	5.50E-06	1.21E-10	2.05E-07	3.54E-07	6.06E-06
3489	493363.09	3849377.25	1.26E-05	1.52E-10	2.03E-07	3.60E-07	1.31E-05	5.93E-06	6.27E-05	1.52E-05	1.32E-05	9.71E-05	5.63E-06	1.25E-10	2.03E-07	3.60E-07	6.20E-06
3490	493863.09	3849377.25	1.31E-05	1.59E-10	2.09E-07	3.71E-07	1.37E-05	6.19E-06	6.55E-05	1.57E-05	1.36E-05	1.01E-04	5.88E-06	1.31E-10	2.09E-07	3.71E-07	6.46E-06
3491	494363.09	3849377.25	1.44E-05	1.71E-10	2.32E-07	3.86E-07	1.50E-05	6.79E-06	7.02E-05	1.74E-05	1.41E-05	1.09E-04	6.46E-06	1.40E-10	2.32E-07	3.86E-07	7.07E-06
3492	494863.09	3849377.25	1.72E-05	1.93E-10	2.82E-07	4.07E-07	1.79E-05	8.13E-06	7.94E-05	2.12E-05	1.49E-05	1.24E-04	7.74E-06	1.58E-10	2.82E-07	4.07E-07	8.43E-06
3493	495363.09	3849377.25	1.91E-05	2.06E-10	3.16E-07	4.21E-07	1.98E-05	9.00E-06	8.51E-05	2.37E-05	1.54E-05	1.33E-04	8.56E-06	1.69E-10	3.16E-07	4.21E-07	9.29E-06
3494	495863.09	3849377.25	1.68E-05	1.89E-10	3.06E-07	4.16E-07	1.75E-05	7.91E-06	7.78E-05	2.30E-05	1.53E-05	1.24E-04	7.53E-06	1.55E-10	3.06E-07	4.16E-07	8.25E-06
3495	496363.09	3849377.25	1.74E-05	1.94E-10	3.28E-07	4.25E-07	1.82E-05	8.21E-06	8.00E-05	2.46E-05	1.56E-05	1.28E-04	7.81E-06	1.59E-10	3.28E-07	4.25E-07	8.56E-06
3496	496863.09	3849377.25	2.34E-05	2.42E-10	3.92E-07	4.62E-07	2.42E-05	1.10E-05	9.95E-05	2.94E-05	1.69E-05	1.57E-04	1.05E-05	1.98E-10	3.92E-07	4.62E-07	1.13E-05
3497	497363.09	3849377.25	2.65E-05	2.63E-10	4.18E-07	4.80E-07	2.74E-05	1.25E-05	1.08E-04	3.14E-05	1.76E-05	1.70E-04	1.19E-05	2.16E-10	4.18E-07	4.80E-07	1.28E-05
3498	497863.09	3849377.25	3.52E-05	3.21E-10	4.46E-07	5.07E-07	3.62E-05	1.66E-05	1.32E-04	3.34E-05	1.86E-05	2.01E-04	1.58E-05	2.64E-10	4.46E-07	5.07E-07	1.67E-05
3499	498363.09	3849377.25	3.53E-05	3.23E-10	4.36E-07	5.17E-07	3.63E-05	1.67E-05	1.33E-04	3.27E-05	1.89E-05	2.01E-04	1.59E-05	2.65E-10	4.36E-07	5.17E-07	1.68E-05
3500	471363.09	3849877.25	2.40E-05	3.28E-10	1.54E-07	2.14E-07	2.44E-05	1.13E-05	1.35E-04	1.15E-05	7.83E-06	1.66E-04	1.08E-05	2.69E-10	1.54E-07	2.14E-07	1.11E-05
3501	471863.09	3849877.25	2.72E-05	3.93E-10	1.47E-07	2.16E-07	2.75E-05	1.28E-05	1.62E-04	1.10E-05	7.93E-06	1.94E-04	1.22E-05	3.23E-10	1.47E-07	2.16E-07	1.25E-05
3502	472363.09	3849877.25	2.96E-05	4.42E-10	1.44E-07	2.19E-07	2.99E-05	1.39E-05	1.82E-04	1.08E-05	8.02E-06	2.15E-04	1.33E-05	3.63E-10	1.44E-07	2.19E-07	1.36E-05
3503	472863.09	3849877.25	3.17E-05	4.66E-10	1.45E-07	2.21E-07	3.21E-05	1.49E-05	1.92E-04	1.08E-05	8.11E-06	2.26E-04	1.42E-05	3.82E-10	1.45E-07	2.21E-07	1.46E-05
3504	473363.09	3849877.25	3.44E-05	4.72E-10	1.49E-07	2.24E-07	3.47E-05	1.62E-05	1.94E-04	1.12E-05	8.21E-06	2.30E-04	1.54E-05	3.87E-10	1.49E-07	2.24E-07	1.58E-05
3505	473863.09	3849877.25	3.80E-05	4.80E-10	1.56E-07	2.26E-07	3.84E-05	1.79E-05	1.98E-04	1.17E-05	8.30E-06	2.36E-04	1.70E-05	3.94E-10	1.56E-07	2.26E-07	1.74E-05
3506	474363.09	3849877.25	4.14E-05	4.82E-10	1.62E-07	2.29E-07	4.18E-05	1.95E-05	1.99E-04	1.22E-05	8.40E-06	2.39E-04	1.86E-05	3.96E-10	1.62E-07	2.29E-07	1.90E-05
3507	474863.09	3849877.25	4.35E-05	4.86E-10	1.66E-07	2.32E-07	4.39E-05	2.05E-05	2.00E-04	1.24E-05	8.52E-06	2.42E-04	1.95E-05	3.99E-10	1.66E-07	2.32E-07	1.99E-05
3508	475363.09	3849877.25	4.43E-05	4.76E-10	1.65E-07	2.35E-07	4.47E-05	2.09E-05	1.96E-04	1.24E-05	8.62E-06	2.38E-04	1.99E-05	3.90E-10	1.65E-07	2.35E-07	2.03E-05
3509	475863.09	3849877.25	4.47E-05	4.65E-10	1.62E-07	2.38E-07	4.51E-05	2.11E-05	1.92E-04	1.22E-05	8.71E-06	2.33E-04	2.00E-05	3.81E-10	1.62E-07	2.38E-07	2.04E-05
3510	476363.09	3849877.25	4.48E-05	4.72E-10	1.62E-07	2.38E-07	4.52E-05	2.11E-05	1.94E-04	1.21E-05	8.71E-06	2.36E-04	2.01E-05	3.87E-10	1.62E-07	2.38E-07	2.05E-05
3511	476863.09	3849877.25	4.48E-05	5.47E-10	1.65E-07	2.36E-07	4.52E-05	2.11E-05	2.26E-04	1.24E-05	8.65E-06	2.68E-04	2.01E-05	4.49E-10	1.65E-07	2.36E-07	2.05E-05
3512	477363.09	3849877.25	4.44E-05	6.67E-10	1.70E-07	2.33E-07	4.48E-05	2.09E-05	2.75E-04	1.28E-05	8.56E-06	3.17E-04	1.99E-05	5.47E-10	1.70E-07	2.33E-07	2.03E-05
3513	477863.09	3849877.25	4.26E-05	7.06E-10	1.75E-07	2.33E-07	4.30E-05	2.01E-05	2.91E-04	1.31E-05	8.56E-06	3.33E-04	1.91E-05	5.80E-10	1.75E-07	2.33E-07	1.95E-05
3514	478363.09	3849877.25	4.06E-05	6.55E-10	1.77E-07	2.42E-07	4.10E-05	1.91E-05	2.70E-04	1.33E-05	8.87E-06	3.11E-04	1.82E-05	5.38E-10	1.77E-07	2.42E-07	1.86E-05
3515	478863.09	3849877.25	4.87E-05	6.29E-10	1.74E-07	2.51E-07	4.91E-05	2.30E-05	2.59E-04	1.31E-05	9.19E-06	3.04E-04	2.18E-05	5.16E-10	1.74E-07	2.51E-07	2.23E-05
3516	479363.09	3849877.25	6.54E-05	5.14E-10	1.73E-07	2.60E-07	6.58E-05	3.08E-05	2.12E-04	1.29E-05	9.54E-06	2.65E-04	2.93E-05	4.22E-10	1.73E-07	2.60E-07	2.98E-05
3517	479863.09	3849877.25	7.18E-05	4.73E-10	1.75E-07	2.75E-07	7.22E-05	3.38E-05	1.95E-04	1.31E-05	1.01E-05	2.52E-04	3.22E-05	3.88E-10	1.75E-07	2.75E-07	3.26E-05
3518	480363.09	3849877.25	5.86E-05	3.86E-10	1.98E-07	2.88E-07	5.91E-05	2.76E-05	1.59E-04	1.49E-05	1.05E-05	2.12E-04	2.63E-05	3.17E-10	1.98E-07	2.88E-07	2.68E-05
3519	480863.09	3849877.25	4.14E-05	3.10E-10	2.57E-07	2.76E-07	4.19E-05	1.95E-05	1.28E-04	1.93E-05	1.01E-05	1.76E-04	1.85E-05	2.54E-10	2.57E-07	2.76E-07	1.91E-05
3520	481363.09	3849877.25	3.64E-05	2.77E-10	2.82E-07	2.79E-07	3.69E-05	1.72E-05	1.14E-04	2.12E-05	1.02E-05	1.63E-04	1.63E-05	2.27E-10	2.82E-07	2.79E-07	1.69E-05
3521	481863.09	3849877.25	2.24E-05	2.04E-10	2.09E-07	2.76E-07	2.29E-05	1.06E-05	8.41E-05	1.57E-05	1.01E-05	1.21E-04	1.01E-05	1.68E-10	2.09E-07	2.76E-07	1.06E-05
3522	482363.09	3849877.25	1.82E-05	1.84E-10	1.96E-07	2.76E-07	1.87E-05	8.60E-06	7.56E-05	1.47E-05	1.01E-05	1.09E-04	8.17E-06	1.51E-10	1.96E-07	2.76E-07	8.65E-06
3523	482863.09	3849877.25	1.54E-05	1.66E-10	1.95E-07	2.71E-07	1.59E-05	7.27E-06	6.84E-05	1.46E-05	9.95E-06	1.00E-04	6.91E-06	1.36E-10	1.95E-07	2.71E-07	7.38E-06
3524	483363.09	3849877.25	1.35E-05	1.52E-10	2.02E-07	2.68E-07	1.40E-05	6.39E-06	6.27E-05	1.51E-05	9.82E-06	9.40E-05	6.07E-06	1.25E-10	2.02E-07	2.68E-07	6.54E-06
3525	483863.09	3849877.25	1.36E-05	1.50E-10	2.21E-07	2.70E-07	1.41E-05	6.43E-06	6.17E-05	1.66E-05	9.91E-06	9.47E-05	6.11E-06	1.23E-10	2.21E-07	2.70E-07	6.60E-06
3526	484363.09	3849877.25	1.82E-05	1.73E-10	2.54E-07	2.82E-07	1.88E-05	8.60E-06	7.12E-05	1.91E-05	1.03E-05	1.09E-04	8.17E-06	1.42E-10	2.54E-07	2.82E-07	8.71E-06
3527	484863.09	3849877.25	2.41E-05	2.03E-10	3.08E-07	2.99E-07	2.47E-05	1.14E-05	8.38E-05	2.31E-05	1.10E-05	1.29E-04	1.08E-05	1.67E-10	3.08E-07	2.99E-07	1.14E-05
3528	485363.09	3849877.25	2.13E-05	1.97E-10	3.62E-07	3.03E-07	2.19E-05	1.00E-05	8.10E-05	2.72E-05	1.11E-05	1.29E-04	9.53E-06	1.61E-10	3.62E-07	3.03E-07	1.02E-05
3529	485863.09	3849877.25	1.66E-05	1.73E-10	3.63E-07	2.96E-07	1.72E-05	7.81E-06	7.12E-05	2.72E-05	1.09E-05	1.17E-04	7.43E-06	1.42E-10	3.63E-07	2.96E-07	8.09E-06
3530	486363.09	3849877.25	1.48E-05	1.62E-10	3.16E-07	2.90E-07	1.54E-05	6.97E-06	6.68E-05	2.37E-05	1.06E-05	1.08E-04	6.63E-06	1.33E-10	3.16E-07	2.90E-07	7.23E-06
3531	486863.09	3849877.25	1.61E-05	1.75E-10	2.68E-07	2.91E-07	1.67E-05	7.61E-06	7.21E-05	2.01E-05	1.07E-05	1.11E-04	7.24E-06	1.44E-10	2.68E-07	2.91E-07	7.80E-06
3532	487363.09	3849877.25	1.53E-05	1.74E-10	2.30E-07	2.95E-07	1.58E-05	7.21E-06	7.15E-05	1.73E-05	1.08E-05	1.07E-04	6.86E-06	1.42E-10	2.30E-07	2.95E-07	7.38E-06
3533	487863.09	3849877.25	1.48E-05	1.67E-10	2.19E-07	2.99E-07	1.53E-05	6.97E-06	6.87E-05	1.64E-05	1.10E-05	1.03E-04	6.63E-06	1.37E-10	2.19E-07	2.99E-07	7.15E-06
3534	488363.09	3849877.25	1.48E-05	1.69E-10	2.42E-07	3.07E-07	1.54E-05	6.99E-06	6.96E-05	1.82E-05	1.12E-05	1.06E-04	6.65E-06	1.39E-10	2.42E-07	3.07E-07	7.20E-06

3535	488863.09	3849877.25	1.55E-05	1.74E-10	2.80E-07	3.18E-07	1.61E-05	7.33E-06	7.18E-05	2.10E-05	1.17E-05	1.12E-04	6.97E-06	1.43E-10	2.80E-07	3.18E-07	7.57E-06
3536	489363.09	3849877.25	1.60E-05	1.78E-10	3.03E-07	3.32E-07	1.66E-05	7.53E-06	7.34E-05	2.27E-05	1.22E-05	1.16E-04	7.16E-06	1.46E-10	3.03E-07	3.32E-07	7.80E-06
3537	489863.09	3849877.25	1.59E-05	1.77E-10	2.97E-07	3.50E-07	1.66E-05	7.51E-06	7.31E-05	2.23E-05	1.28E-05	1.16E-04	7.14E-06	1.46E-10	2.97E-07	3.50E-07	7.79E-06
3538	490363.09	3849877.25	1.58E-05	1.74E-10	2.89E-07	3.58E-07	1.64E-05	7.43E-06	7.15E-05	2.17E-05	1.31E-05	1.14E-04	7.07E-06	1.42E-10	2.89E-07	3.58E-07	7.71E-06
3539	490863.09	3849877.25	1.62E-05	1.80E-10	2.95E-07	3.68E-07	1.68E-05	7.63E-06	7.40E-05	2.21E-05	1.35E-05	1.17E-04	7.26E-06	1.47E-10	2.95E-07	3.68E-07	7.92E-06
3540	491363.09	3849877.25	1.64E-05	1.84E-10	2.84E-07	3.78E-07	1.71E-05	7.75E-06	7.59E-05	2.13E-05	1.39E-05	1.19E-04	7.37E-06	1.51E-10	2.84E-07	3.78E-07	8.03E-06
3541	491863.09	3849877.25	1.61E-05	1.84E-10	2.47E-07	3.87E-07	1.67E-05	7.57E-06	7.59E-05	1.86E-05	1.42E-05	1.16E-04	7.20E-06	1.51E-10	2.47E-07	3.87E-07	7.84E-06
3542	492363.09	3849877.25	1.63E-05	1.84E-10	2.32E-07	3.98E-07	1.69E-05	7.69E-06	7.56E-05	1.74E-05	1.46E-05	1.15E-04	7.32E-06	1.51E-10	2.32E-07	3.98E-07	7.95E-06
3543	492863.09	3849877.25	1.60E-05	1.81E-10	2.29E-07	4.04E-07	1.66E-05	7.55E-06	7.47E-05	1.72E-05	1.48E-05	1.14E-04	7.18E-06	1.49E-10	2.29E-07	4.04E-07	7.81E-06
3544	493363.09	3849877.25	1.57E-05	1.83E-10	2.27E-07	4.08E-07	1.63E-05	7.41E-06	7.53E-05	1.70E-05	1.50E-05	1.15E-04	7.05E-06	1.50E-10	2.27E-07	4.08E-07	7.68E-06
3545	493863.09	3849877.25	1.62E-05	1.87E-10	2.37E-07	4.18E-07	1.69E-05	7.65E-06	7.72E-05	1.78E-05	1.53E-05	1.18E-04	7.28E-06	1.54E-10	2.37E-07	4.18E-07	7.93E-06
3546	494363.09	3849877.25	2.03E-05	2.18E-10	2.93E-07	4.45E-07	2.11E-05	9.58E-06	8.98E-05	2.20E-05	1.63E-05	1.38E-04	9.11E-06	1.79E-10	2.93E-07	4.45E-07	9.85E-06
3547	494863.09	3849877.25	2.39E-05	2.46E-10	3.44E-07	4.66E-07	2.47E-05	1.13E-05	1.01E-04	2.58E-05	1.71E-05	1.56E-04	1.07E-05	2.02E-10	3.44E-07	4.66E-07	1.15E-05
3548	495363.09	3849877.25	2.26E-05	2.37E-10	3.59E-07	4.69E-07	2.34E-05	1.07E-05	9.77E-05	2.69E-05	1.72E-05	1.52E-04	1.01E-05	1.95E-10	3.59E-07	4.69E-07	1.10E-05
3549	495863.09	3849877.25	2.70E-05	2.71E-10	4.16E-07	4.93E-07	2.79E-05	1.27E-05	1.12E-04	3.12E-05	1.81E-05	1.74E-04	1.21E-05	2.22E-10	4.16E-07	4.93E-07	1.30E-05
3550	496363.09	3849877.25	2.98E-05	2.91E-10	4.43E-07	5.11E-07	3.07E-05	1.40E-05	1.20E-04	3.32E-05	1.87E-05	1.86E-04	1.34E-05	2.38E-10	4.43E-07	5.11E-07	1.43E-05
3551	496863.09	3849877.25	3.22E-05	3.05E-10	4.52E-07	5.26E-07	3.32E-05	1.52E-05	1.26E-04	3.39E-05	1.93E-05	1.94E-04	1.44E-05	2.50E-10	4.52E-07	5.26E-07	1.54E-05
3552	497363.09	3849877.25	3.94E-05	3.51E-10	4.69E-07	5.49E-07	4.05E-05	1.86E-05	1.45E-04	3.52E-05	2.01E-05	2.19E-04	1.77E-05	2.88E-10	4.69E-07	5.49E-07	1.87E-05
3553	497863.09	3849877.25	4.34E-05	3.75E-10	4.70E-07	5.66E-07	4.44E-05	2.04E-05	1.55E-04	3.53E-05	2.07E-05	2.31E-04	1.94E-05	3.08E-10	4.70E-07	5.66E-07	2.05E-05
3554	498363.09	3849877.25	4.31E-05	3.76E-10	4.82E-07	5.75E-07	4.42E-05	2.03E-05	1.55E-04	3.62E-05	2.11E-05	2.33E-04	1.93E-05	3.09E-10	4.82E-07	5.75E-07	2.04E-05
3555	471363.09	3850377.25	2.14E-05	2.47E-10	1.73E-07	2.21E-07	2.18E-05	1.01E-05	1.02E-04	1.29E-05	8.11E-06	1.33E-04	9.61E-06	2.03E-10	1.73E-07	2.21E-07	1.00E-05
3556	471863.09	3850377.25	2.57E-05	3.28E-10	1.73E-07	2.26E-07	2.61E-05	1.21E-05	1.35E-04	1.30E-05	8.30E-06	1.69E-04	1.15E-05	2.69E-10	1.73E-07	2.26E-07	1.19E-05
3557	472363.09	3850377.25	2.79E-05	3.81E-10	1.65E-07	2.29E-07	2.83E-05	1.32E-05	1.57E-04	1.24E-05	8.40E-06	1.91E-04	1.25E-05	3.12E-10	1.65E-07	2.29E-07	1.29E-05
3558	472863.09	3850377.25	3.13E-05	4.69E-10	1.58E-07	2.32E-07	3.17E-05	1.48E-05	1.93E-04	1.19E-05	8.52E-06	2.28E-04	1.41E-05	3.85E-10	1.58E-07	2.32E-07	1.44E-05
3559	473363.09	3850377.25	3.33E-05	4.82E-10	1.53E-07	2.34E-07	3.36E-05	1.57E-05	1.98E-04	1.15E-05	8.59E-06	2.34E-04	1.49E-05	3.95E-10	1.53E-07	2.34E-07	1.53E-05
3560	473863.09	3850377.25	3.59E-05	5.10E-10	1.53E-07	2.37E-07	3.63E-05	1.70E-05	2.10E-04	1.15E-05	8.68E-06	2.47E-04	1.61E-05	4.19E-10	1.53E-07	2.37E-07	1.65E-05
3561	474363.09	3850377.25	3.95E-05	5.33E-10	1.59E-07	2.40E-07	3.99E-05	1.86E-05	2.20E-04	1.19E-05	8.81E-06	2.59E-04	1.77E-05	4.37E-10	1.59E-07	2.40E-07	1.81E-05
3562	474863.09	3850377.25	4.37E-05	5.40E-10	1.67E-07	2.44E-07	4.41E-05	2.06E-05	2.22E-04	1.25E-05	8.94E-06	2.64E-04	1.96E-05	4.43E-10	1.67E-07	2.44E-07	2.00E-05
3563	475363.09	3850377.25	4.74E-05	5.46E-10	1.73E-07	2.47E-07	4.79E-05	2.24E-05	2.25E-04	1.29E-05	9.06E-06	2.69E-04	2.13E-05	4.48E-10	1.73E-07	2.47E-07	2.17E-05
3564	475863.09	3850377.25	4.98E-05	5.39E-10	1.74E-07	2.51E-07	5.03E-05	2.35E-05	2.22E-04	1.31E-05	9.19E-06	2.68E-04	2.23E-05	4.42E-10	1.74E-07	2.51E-07	2.28E-05
3565	476363.09	3850377.25	5.08E-05	5.24E-10	1.73E-07	2.53E-07	5.13E-05	2.40E-05	2.16E-04	1.29E-05	9.28E-06	2.62E-04	2.28E-05	4.30E-10	1.73E-07	2.53E-07	2.32E-05
3566	476863.09	3850377.25	5.12E-05	5.28E-10	1.71E-07	2.55E-07	5.16E-05	2.41E-05	2.17E-04	1.28E-05	9.35E-06	2.64E-04	2.30E-05	4.33E-10	1.71E-07	2.55E-07	2.34E-05
3567	477363.09	3850377.25	5.14E-05	6.09E-10	1.73E-07	2.53E-07	5.18E-05	2.42E-05	2.51E-04	1.30E-05	9.28E-06	2.98E-04	2.30E-05	5.00E-10	1.73E-07	2.53E-07	2.35E-05
3568	477863.09	3850377.25	5.12E-05	7.42E-10	1.79E-07	2.51E-07	5.16E-05	2.41E-05	3.06E-04	1.34E-05	9.19E-06	3.52E-04	2.30E-05	6.09E-10	1.79E-07	2.51E-07	2.34E-05
3569	478363.09	3850377.25	4.95E-05	7.84E-10	1.84E-07	2.51E-07	4.99E-05	2.33E-05	3.23E-04	1.38E-05	9.19E-06	3.69E-04	2.22E-05	6.44E-10	1.84E-07	2.51E-07	2.26E-05
3570	478863.09	3850377.25	4.81E-05	7.92E-10	1.86E-07	2.57E-07	4.86E-05	2.27E-05	3.26E-04	1.40E-05	9.41E-06	3.72E-04	2.16E-05	6.50E-10	1.86E-07	2.57E-07	2.20E-05
3571	479363.09	3850377.25	5.61E-05	7.55E-10	1.85E-07	2.63E-07	5.66E-05	2.65E-05	3.11E-04	1.38E-05	9.66E-06	3.61E-04	2.52E-05	6.19E-10	1.85E-07	2.63E-07	2.56E-05
3572	479863.09	3850377.25	7.58E-05	6.22E-10	1.82E-07	2.76E-07	7.63E-05	3.58E-05	2.56E-04	1.37E-05	1.01E-05	3.16E-04	3.40E-05	5.11E-10	1.82E-07	2.76E-07	3.45E-05
3573	480363.09	3850377.25	8.25E-05	5.36E-10	1.85E-07	2.99E-07	8.30E-05	3.89E-05	2.21E-04	1.39E-05	1.10E-05	2.85E-04	3.70E-05	4.40E-10	1.85E-07	2.99E-07	3.75E-05
3574	480863.09	3850377.25	7.12E-05	4.95E-10	2.09E-07	3.06E-07	7.18E-05	3.36E-05	2.04E-04	1.57E-05	1.12E-05	2.64E-04	3.20E-05	4.06E-10	2.09E-07	3.06E-07	3.25E-05
3575	481363.09	3850377.25	4.49E-05	3.25E-10	2.80E-07	2.97E-07	4.55E-05	2.12E-05	1.34E-04	2.10E-05	1.09E-05	1.87E-04	2.01E-05	2.67E-10	2.80E-07	2.97E-07	2.07E-05
3576	481863.09	3850377.25	4.14E-05	3.00E-10	3.23E-07	3.21E-07	4.20E-05	1.95E-05	1.24E-04	2.42E-05	1.18E-05	1.79E-04	1.85E-05	2.47E-10	3.23E-07	3.21E-07	1.92E-05
3577	482363.09	3850377.25	3.67E-05	2.80E-10	2.56E-07	3.38E-07	3.73E-05	1.73E-05	1.15E-04	1.92E-05	1.24E-05	1.64E-04	1.64E-05	2.30E-10	2.56E-07	3.38E-07	1.70E-05
3578	482863.09	3850377.25	2.39E-05	2.15E-10	2.17E-07	3.00E-07	2.45E-05	1.13E-05	8.85E-05	1.63E-05	1.10E-05	1.27E-04	1.07E-05	1.76E-10	2.17E-07	3.00E-07	1.13E-05
3579	483363.09	3850377.25	1.86E-05	1.86E-10	2.13E-07	2.90E-07	1.91E-05	8.78E-06	7.65E-05	1.59E-05	1.06E-05	1.12E-04	8.35E-06	1.52E-10	2.13E-07	2.90E-07	8.85E-06
3580	483863.09	3850377.25	1.98E-05	1.93E-10	2.36E-07	2.94E-07	2.04E-05	9.36E-06	7.94E-05	1.77E-05	1.08E-05	1.17E-04	8.90E-06	1.58E-10	2.36E-07	2.94E-07	9.43E-06
3581	484363.09	3850377.25	2.48E-05	2.10E-10	2.80E-07	3.04E-07	2.54E-05	1.17E-05	8.63E-05	2.10E-05	1.11E-05	1.30E-04	1.11E-05	1.72E-10	2.80E-07	3.04E-07	1.17E-05
3582	484863.09	3850377.25	2.94E-05	2.29E-10	3.08E-07	3.22E-07	3.01E-05	1.39E-05	9.42E-05	2.31E-05	1.18E-05	1.43E-04	1.32E-05	1.88E-10	3.08E-07	3.22E-07	1.38E-05
3583	485363.09	3850377.25	2.72E-05	2.32E-10	3.77E-07	3.35E-07	2.79E-05	1.28E-05	9.54E-05	2.83E-05	1.23E-05	1.49E-04	1.22E-05	1.90E-10	3.77E-07	3.35E-07	1.29E-05
3584	485863.09	3850377.25	2.28E-05	2.12E-10	4.26E-07	3.31E-07	2.35E-05	1.07E-05	8.73E-05	3.20E-05	1.21E-05	1.42E-04	1.02E-05	1.74E-10	4.26E-07	3.31E-07	1.10E-05
3585	486363.09	3850377.25	2.13E-05	2.05E-10	4.01E-07	3.25E-07	2.20E-05	1.00E-05	8.44E-05	3.01E-05	1.19E-05	1.36E-04	9.53E-06	1.68E-10	4.01E-07	3.25E-07	1.03E-05
3586	486863.09	3850377.25	2.05E-05	2.11E-10	3.33E-07	3.26E-07	2.11E-05	9.66E-06	8.69E-05	2.50E-05	1.20E-05	1.34E-04	9.19E-06	1.73E-10	3.33E-07	3.26E-07	9.85E-06
3587	487363.09	3850377.25	1.87E-05	2.03E-10	2.53E-07	3.27E-07	1.93E-05	8.82E-06	8.35E-05	1.90E-05	1.20E-05	1.23E-04	8.38E-06	1.66E-10	2.53E-07	3.27E-07	8.97E-06
3588	487863.09	3850377.25	1.83E-05	1.97E-10	2.35E-07	3.32E-07	1.88E-05	8.62E-06	8.10E-05	1.76E-05	1.22E-05	1.19E-04	8.19E-06	1.61E-10	2.35E-07	3.32E-07	8.76E-06
3589	488363.09	3850377.25	1.87E-05	2.00E-10	2.59E-07	3.43E-07	1.93E-05	8.82E-06	8.25E-05	1.95E-05	1.26E-05	1.23E-04	8.38E-06	1.64E-10	2.59E-07	3.43E-07	8.99E-06
3590	488863.09	3850377.25	1.96E-05	2.05E-10	3.01E-07	3.56E-07	2.02E-05	9.24E-06	8.44E-05	2.26E-05	1.31E-05	1.29E-04	8.79E-06	1.68E-10	3.01E-07	3.56E-07	9.44E-06
3591	489363.09	3850377.25	1.97E-05	2.10E-10	3.21E-07	3.78E-07	2.04E-05	9.30E-06	8.63E-05	2.41E-05	1.39E-05	1.34E-04	8.84E-06	1.72E-10	3.21E-07	3.78E-07	9.54E-06
3592	489863.09	3850377.25	1.96E-05	2.08E-10	3.13E-07	3.98E-07	2.03E-05	9.26E-06	8.57E-05	2.35E-05	1.46E-05	1.33E-04	8.80E-06	1.71E-10	3.13E-07	3.98E-07	9.52E-06
3593	490363.09	3850377.25	2.00E-05	2.10E-10	3.12E-07	4.09E-07	2.07E-05	9.44E-06	8.63E-05	2.34E-05	1.50E-05	1.34E-04	8.98E-06	1.72E-10	3.12E-07	4.09E-07	9.70E-06
3594	490863.09	3850377.25	2.02E-05	2.17E-10	3.16E-07	4.16E-07	2.09E-05	9.52E-06	8.95E-05	2.37E-05	1.53E-05	1.38E-04	9.05E-06	1.78E-10	3.16E-07	4.16E-07	9.79E-06
3595	491363.09	3850377.25	2.07E-05	2.23E-10	2.96E-07	4.29E-07	2.15E-05	9.78E-06	9.17E-05	2.22E-05	1.57E-05	1.39E-04	9.30E-06	1.83E-10	2.96E-07	4.29E-07	1.00E-05

3596	491863.09	3850377.25	2.07E-05	2.21E-10	2.67E-07	4.39E-07	2.14E-05	9.74E-06	9.10E-05	2.00E-05	1.61E-05	1.37E-04	9.26E-06	1.81E-10	2.67E-07	4.39E-07	9.97E-06
3597	492363.09	3850377.25	2.04E-05	2.19E-10	2.50E-07	4.50E-07	2.11E-05	9.64E-06	9.04E-05	1.88E-05	1.65E-05	1.35E-04	9.17E-06	1.80E-10	2.50E-07	4.50E-07	9.87E-06
3598	492863.09	3850377.25	2.09E-05	2.26E-10	2.53E-07	4.64E-07	2.16E-05	9.86E-06	9.29E-05	1.89E-05	1.70E-05	1.39E-04	9.38E-06	1.85E-10	2.53E-07	4.64E-07	1.01E-05
3599	493363.09	3850377.25	2.11E-05	2.27E-10	2.65E-07	4.70E-07	2.19E-05	9.96E-06	9.36E-05	1.99E-05	1.72E-05	1.41E-04	9.47E-06	1.86E-10	2.65E-07	4.70E-07	1.02E-05
3600	493863.09	3850377.25	2.41E-05	2.50E-10	3.05E-07	4.89E-07	2.49E-05	1.14E-05	1.03E-04	2.29E-05	1.79E-05	1.55E-04	1.08E-05	2.05E-10	3.05E-07	4.89E-07	1.16E-05
3601	494363.09	3850377.25	2.69E-05	2.70E-10	3.53E-07	5.08E-07	2.78E-05	1.27E-05	1.11E-04	2.65E-05	1.86E-05	1.69E-04	1.21E-05	2.21E-10	3.53E-07	5.08E-07	1.29E-05
3602	494863.09	3850377.25	3.13E-05	3.02E-10	4.17E-07	5.28E-07	3.23E-05	1.48E-05	1.24E-04	3.13E-05	1.94E-05	1.90E-04	1.41E-05	2.48E-10	4.17E-07	5.28E-07	1.50E-05
3603	495363.09	3850377.25	3.70E-05	3.40E-10	4.67E-07	5.49E-07	3.80E-05	1.74E-05	1.40E-04	3.50E-05	2.01E-05	2.13E-04	1.66E-05	2.79E-10	4.67E-07	5.49E-07	1.76E-05
3604	495863.09	3850377.25	3.71E-05	3.42E-10	4.83E-07	5.64E-07	3.81E-05	1.75E-05	1.41E-04	3.62E-05	2.07E-05	2.15E-04	1.66E-05	2.80E-10	4.83E-07	5.64E-07	1.77E-05
3605	496363.09	3850377.25	4.30E-05	3.77E-10	5.08E-07	5.84E-07	4.41E-05	2.03E-05	1.55E-04	3.81E-05	2.14E-05	2.35E-04	1.93E-05	3.09E-10	5.08E-07	5.84E-07	2.04E-05
3606	496863.09	3850377.25	4.89E-05	4.12E-10	5.06E-07	6.04E-07	5.00E-05	2.31E-05	1.70E-04	3.80E-05	2.22E-05	2.53E-04	2.19E-05	3.38E-10	5.06E-07	6.04E-07	2.30E-05
3607	497363.09	3850377.25	5.22E-05	4.33E-10	5.08E-07	6.22E-07	5.33E-05	2.46E-05	1.78E-04	3.81E-05	2.28E-05	2.64E-04	2.34E-05	3.55E-10	5.08E-07	6.22E-07	2.45E-05
3608	497863.09	3850377.25	5.29E-05	4.41E-10	5.26E-07	6.32E-07	5.41E-05	2.49E-05	1.82E-04	3.94E-05	2.32E-05	2.69E-04	2.37E-05	3.62E-10	5.26E-07	6.32E-07	2.49E-05
3609	498363.09	3850377.25	5.32E-05	4.50E-10	5.59E-07	6.45E-07	5.44E-05	2.51E-05	1.85E-04	4.19E-05	2.36E-05	2.76E-04	2.39E-05	3.69E-10	5.59E-07	6.45E-07	2.51E-05
3610	471363.09	3850877.25	2.83E-05	2.79E-10	2.14E-07	2.38E-07	2.87E-05	1.33E-05	1.15E-04	1.61E-05	8.71E-06	1.53E-04	1.27E-05	2.29E-10	2.14E-07	2.38E-07	1.31E-05
3611	471863.09	3850877.25	2.98E-05	3.13E-10	2.11E-07	2.42E-07	3.02E-05	1.40E-05	1.29E-04	1.58E-05	8.87E-06	1.68E-04	1.34E-05	2.57E-10	2.11E-07	2.42E-07	1.38E-05
3612	472363.09	3850877.25	3.17E-05	3.71E-10	2.06E-07	2.46E-07	3.21E-05	1.49E-05	1.53E-04	1.54E-05	9.03E-06	1.92E-04	1.42E-05	3.04E-10	2.06E-07	2.46E-07	1.47E-05
3613	472863.09	3850877.25	3.31E-05	4.43E-10	1.94E-07	2.48E-07	3.36E-05	1.56E-05	1.83E-04	1.45E-05	9.09E-06	2.22E-04	1.49E-05	3.64E-10	1.94E-07	2.48E-07	1.53E-05
3614	473363.09	3850877.25	3.26E-05	4.34E-10	1.79E-07	2.47E-07	3.30E-05	1.54E-05	1.79E-04	1.34E-05	9.06E-06	2.17E-04	1.46E-05	3.56E-10	1.79E-07	2.47E-07	1.50E-05
3615	473863.09	3850877.25	3.54E-05	5.02E-10	1.68E-07	2.50E-07	3.59E-05	1.67E-05	2.07E-04	1.26E-05	9.16E-06	2.45E-04	1.59E-05	4.12E-10	1.68E-07	2.50E-07	1.63E-05
3616	474363.09	3850877.25	3.85E-05	5.73E-10	1.63E-07	2.53E-07	3.90E-05	1.82E-05	2.36E-04	1.22E-05	9.28E-06	2.76E-04	1.73E-05	4.70E-10	1.63E-07	2.53E-07	1.77E-05
3617	474863.09	3850877.25	4.17E-05	5.94E-10	1.64E-07	2.56E-07	4.21E-05	1.97E-05	2.45E-04	1.23E-05	9.38E-06	2.86E-04	1.87E-05	4.88E-10	1.64E-07	2.56E-07	1.91E-05
3618	475363.09	3850877.25	4.59E-05	6.08E-10	1.70E-07	2.59E-07	4.63E-05	2.16E-05	2.50E-04	1.28E-05	9.50E-06	2.94E-04	2.06E-05	4.99E-10	1.70E-07	2.59E-07	2.10E-05
3619	475863.09	3850877.25	5.07E-05	6.16E-10	1.78E-07	2.63E-07	5.12E-05	2.39E-05	2.54E-04	1.33E-05	9.66E-06	3.00E-04	2.27E-05	5.05E-10	1.78E-07	2.63E-07	2.32E-05
3620	476363.09	3850877.25	5.46E-05	6.15E-10	1.83E-07	2.68E-07	5.51E-05	2.58E-05	2.53E-04	1.37E-05	9.82E-06	3.03E-04	2.45E-05	5.04E-10	1.83E-07	2.68E-07	2.50E-05
3621	476863.09	3850877.25	5.76E-05	6.02E-10	1.84E-07	2.71E-07	5.81E-05	2.72E-05	2.48E-04	1.38E-05	9.95E-06	2.99E-04	2.58E-05	4.94E-10	1.84E-07	2.71E-07	2.63E-05
3622	477363.09	3850877.25	5.91E-05	6.04E-10	1.83E-07	2.74E-07	5.96E-05	2.79E-05	2.49E-04	1.37E-05	1.00E-05	3.00E-04	2.65E-05	4.96E-10	1.83E-07	2.74E-07	2.70E-05
3623	477863.09	3850877.25	5.95E-05	6.87E-10	1.83E-07	2.73E-07	6.00E-05	2.81E-05	2.83E-04	1.37E-05	1.00E-05	3.35E-04	2.67E-05	5.63E-10	1.83E-07	2.73E-07	2.72E-05
3624	478363.09	3850877.25	5.95E-05	8.52E-10	1.88E-07	2.70E-07	6.00E-05	2.81E-05	3.51E-04	1.41E-05	9.91E-06	4.03E-04	2.67E-05	6.99E-10	1.88E-07	2.70E-07	2.72E-05
3625	478863.09	3850877.25	5.86E-05	9.71E-10	1.94E-07	2.70E-07	5.91E-05	2.76E-05	4.00E-04	1.45E-05	9.88E-06	4.52E-04	2.63E-05	7.97E-10	1.94E-07	2.70E-07	2.67E-05
3626	479363.09	3850877.25	5.72E-05	9.30E-10	1.97E-07	2.75E-07	5.77E-05	2.70E-05	3.83E-04	1.48E-05	1.01E-05	4.35E-04	2.57E-05	7.63E-10	1.97E-07	2.75E-07	2.61E-05
3627	479863.09	3850877.25	6.47E-05	8.34E-10	1.96E-07	2.84E-07	6.52E-05	3.05E-05	3.44E-04	1.47E-05	1.04E-05	3.99E-04	2.90E-05	6.85E-10	1.96E-07	2.84E-07	2.95E-05
3628	480363.09	3850877.25	8.58E-05	8.04E-10	1.94E-07	2.92E-07	8.63E-05	4.05E-05	3.31E-04	1.45E-05	1.07E-05	3.97E-04	3.85E-05	6.60E-10	1.94E-07	2.92E-07	3.90E-05
3629	480863.09	3850877.25	9.78E-05	7.12E-10	1.96E-07	3.11E-07	9.83E-05	4.61E-05	2.93E-04	1.47E-05	1.14E-05	3.66E-04	4.39E-05	5.84E-10	1.96E-07	3.11E-07	4.44E-05
3630	481363.09	3850877.25	8.27E-05	5.90E-10	2.19E-07	3.25E-07	8.32E-05	3.90E-05	2.43E-04	1.65E-05	1.19E-05	3.11E-04	3.71E-05	4.84E-10	2.19E-07	3.25E-07	3.76E-05
3631	481863.09	3850877.25	6.68E-05	4.80E-10	2.95E-07	3.42E-07	6.75E-05	3.15E-05	1.98E-04	2.21E-05	1.25E-05	2.64E-04	3.00E-05	3.94E-10	2.95E-07	3.42E-07	3.06E-05
3632	482363.09	3850877.25	5.33E-05	3.69E-10	3.21E-07	3.62E-07	5.40E-05	2.51E-05	1.52E-04	2.40E-05	1.33E-05	2.14E-04	2.39E-05	3.02E-10	3.21E-07	3.62E-07	2.46E-05
3633	482863.09	3850877.25	4.21E-05	3.07E-10	2.69E-07	3.71E-07	4.27E-05	1.98E-05	1.26E-04	2.02E-05	1.36E-05	1.80E-04	1.89E-05	2.52E-10	2.69E-07	3.71E-07	1.95E-05
3634	483363.09	3850877.25	3.09E-05	2.50E-10	2.64E-07	3.30E-07	3.15E-05	1.46E-05	1.03E-04	1.98E-05	1.21E-05	1.49E-04	1.39E-05	2.05E-10	2.64E-07	3.30E-07	1.45E-05
3635	483863.09	3850877.25	2.87E-05	2.40E-10	2.87E-07	3.20E-07	2.93E-05	1.35E-05	9.89E-05	2.15E-05	1.17E-05	1.46E-04	1.29E-05	1.97E-10	2.87E-07	3.20E-07	1.35E-05
3636	484363.09	3850877.25	3.46E-05	2.65E-10	3.25E-07	3.32E-07	3.52E-05	1.63E-05	1.09E-04	2.44E-05	1.22E-05	1.62E-04	1.55E-05	2.17E-10	3.25E-07	3.32E-07	1.62E-05
3637	484863.09	3850877.25	3.48E-05	2.54E-10	3.21E-07	3.52E-07	3.54E-05	1.64E-05	1.05E-04	2.41E-05	1.29E-05	1.58E-04	1.56E-05	2.08E-10	3.21E-07	3.52E-07	1.63E-05
3638	485363.09	3850877.25	3.36E-05	2.68E-10	3.78E-07	3.69E-07	3.43E-05	1.58E-05	1.11E-04	2.83E-05	1.35E-05	1.68E-04	1.51E-05	2.20E-10	3.78E-07	3.69E-07	1.58E-05
3639	485863.09	3850877.25	2.76E-05	2.41E-10	4.55E-07	3.63E-07	2.84E-05	1.30E-05	9.92E-05	3.41E-05	1.33E-05	1.60E-04	1.24E-05	1.98E-10	4.55E-07	3.63E-07	1.32E-05
3640	486363.09	3850877.25	2.69E-05	2.45E-10	4.63E-07	3.71E-07	2.77E-05	1.27E-05	1.01E-04	3.47E-05	1.36E-05	1.62E-04	1.21E-05	2.01E-10	4.63E-07	3.71E-07	1.29E-05
3641	486863.09	3850877.25	2.55E-05	2.49E-10	3.98E-07	3.74E-07	2.62E-05	1.20E-05	1.03E-04	2.99E-05	1.37E-05	1.58E-04	1.14E-05	2.05E-10	3.98E-07	3.74E-07	1.22E-05
3642	487363.09	3850877.25	2.29E-05	2.39E-10	2.87E-07	3.67E-07	2.35E-05	1.08E-05	9.86E-05	2.15E-05	1.35E-05	1.44E-04	1.03E-05	1.96E-10	2.87E-07	3.67E-07	1.09E-05
3643	487863.09	3850877.25	2.28E-05	2.34E-10	2.53E-07	3.73E-07	2.34E-05	1.07E-05	9.64E-05	1.90E-05	1.37E-05	1.40E-04	1.02E-05	1.92E-10	2.53E-07	3.73E-07	1.08E-05
3644	488363.09	3850877.25	2.43E-05	2.41E-10	2.79E-07	3.88E-07	2.49E-05	1.14E-05	9.92E-05	2.09E-05	1.42E-05	1.46E-04	1.09E-05	1.98E-10	2.79E-07	3.88E-07	1.16E-05
3645	488863.09	3850877.25	2.46E-05	2.45E-10	3.24E-07	4.12E-07	2.53E-05	1.16E-05	1.01E-04	2.43E-05	1.51E-05	1.52E-04	1.10E-05	2.01E-10	3.24E-07	4.12E-07	1.18E-05
3646	489363.09	3850877.25	2.50E-05	2.53E-10	3.48E-07	4.37E-07	2.57E-05	1.18E-05	1.04E-04	2.61E-05	1.60E-05	1.58E-04	1.12E-05	2.08E-10	3.48E-07	4.37E-07	1.20E-05
3647	489863.09	3850877.25	2.54E-05	2.55E-10	3.33E-07	4.56E-07	2.62E-05	1.20E-05	1.05E-04	2.49E-05	1.67E-05	1.59E-04	1.14E-05	2.09E-10	3.33E-07	4.56E-07	1.22E-05
3648	490363.09	3850877.25	2.61E-05	2.64E-10	3.45E-07	4.68E-07	2.69E-05	1.23E-05	1.09E-04	2.59E-05	1.72E-05	1.64E-04	1.17E-05	2.16E-10	3.45E-07	4.68E-07	1.25E-05
3649	490863.09	3850877.25	2.72E-05	2.74E-10	3.39E-07	4.81E-07	2.80E-05	1.28E-05	1.13E-04	2.55E-05	1.76E-05	1.69E-04	1.22E-05	2.25E-10	3.39E-07	4.81E-07	1.30E-05
3650	491363.09	3850877.25	2.78E-05	2.77E-10	3.06E-07	4.94E-07	2.86E-05	1.31E-05	1.14E-04	2.30E-05	1.81E-05	1.68E-04	1.25E-05	2.27E-10	3.06E-07	4.94E-07	1.33E-05
3651	491863.09	3850877.25	2.84E-05	2.78E-10	2.80E-07	5.08E-07	2.92E-05	1.34E-05	1.15E-04	2.10E-05	1.86E-05	1.68E-04	1.27E-05	2.28E-10	2.80E-07	5.08E-07	1.35E-05
3652	492363.09	3850877.25	2.86E-05	2.83E-10	2.79E-07	5.20E-07	2.94E-05	1.35E-05	1.17E-04	2.09E-05	1.91E-05	1.70E-04	1.28E-05	2.32E-10	2.79E-07	5.20E-07	1.36E-05
3653	492863.09	3850877.25	2.96E-05	2.94E-10	2.89E-07	5.36E-07	3.05E-05	1.40E-05	1.21E-04	2.17E-05	1.96E-05	1.76E-04	1.33E-05	2.41E-10	2.89E-07	5.36E-07	1.41E-05
3654	493363.09	3850877.25	3.15E-05	3.07E-10	3.28E-07	5.49E-07	3.24E-05	1.49E-05	1.26E-04	2.46E-05	2.01E-05	1.86E-04	1.41E-05	2.52E-10	3.28E-07	5.49E-07	1.50E-05
3655	493863.09	3850877.25	3.62E-05	3.36E-10	3.86E-07	5.69E-07	3.71E-05	1.71E-05	1.39E-04	2.90E-05	2.09E-05	2.05E-04	1.62E-05	2.76E-10	3.86E-07	5.69E-07	1.72E-05
3656	494363.09	3850877.25	3.95E-05	3.56E-10	4.43E-07	5.86E-07	4.05E-05	1.86E-05	1.47E-04	3.32E-05	2.15E-05	2.20E-04	1.77E-05	2.92E-10	4.43E-07	5.86E-07	1.88E-05

3657	494863.09	3850877.25	4.54E-05	3.94E-10	4.99E-07	6.06E-07	4.65E-05	2.14E-05	1.62E-04	3.74E-05	2.22E-05	2.43E-04	2.03E-05	3.23E-10	4.99E-07	6.06E-07	2.14E-05
3658	495363.09	3850877.25	5.18E-05	4.34E-10	5.47E-07	6.31E-07	5.30E-05	2.44E-05	1.79E-04	4.10E-05	2.31E-05	2.67E-04	2.32E-05	3.56E-10	5.47E-07	6.31E-07	2.44E-05
3659	495863.09	3850877.25	5.45E-05	4.49E-10	5.52E-07	6.48E-07	5.57E-05	2.57E-05	1.85E-04	4.14E-05	2.38E-05	2.76E-04	2.44E-05	3.68E-10	5.52E-07	6.48E-07	2.56E-05
3660	496363.09	3850877.25	5.85E-05	4.73E-10	5.45E-07	6.67E-07	5.97E-05	2.76E-05	1.95E-04	4.09E-05	2.45E-05	2.88E-04	2.62E-05	3.88E-10	5.45E-07	6.67E-07	2.75E-05
3661	496863.09	3850877.25	6.44E-05	5.09E-10	5.60E-07	6.87E-07	6.57E-05	3.04E-05	2.10E-04	4.20E-05	2.52E-05	3.07E-04	2.89E-05	4.18E-10	5.60E-07	6.87E-07	3.01E-05
3662	497363.09	3850877.25	6.57E-05	5.22E-10	5.78E-07	6.98E-07	6.69E-05	3.10E-05	2.15E-04	4.34E-05	2.56E-05	3.15E-04	2.95E-05	4.29E-10	5.78E-07	6.98E-07	3.07E-05
3663	497863.09	3850877.25	6.52E-05	5.28E-10	6.13E-07	7.06E-07	6.66E-05	3.08E-05	2.17E-04	4.60E-05	2.59E-05	3.20E-04	2.93E-05	4.33E-10	6.13E-07	7.06E-07	3.06E-05
3664	498363.09	3850877.25	6.45E-05	5.31E-10	6.51E-07	7.12E-07	6.59E-05	3.04E-05	2.19E-04	4.88E-05	2.61E-05	3.24E-04	2.89E-05	4.36E-10	6.51E-07	7.12E-07	3.03E-05
3665	471363.09	3851377.25	3.16E-05	2.90E-10	2.53E-07	2.55E-07	3.21E-05	1.49E-05	1.19E-04	1.89E-05	9.35E-06	1.63E-04	1.42E-05	2.38E-10	2.53E-07	2.55E-07	1.47E-05
3666	471863.09	3851377.25	3.74E-05	3.55E-10	2.59E-07	2.63E-07	3.79E-05	1.76E-05	1.46E-04	1.95E-05	9.63E-06	1.93E-04	1.68E-05	2.91E-10	2.59E-07	2.63E-07	1.73E-05
3667	472363.09	3851377.25	3.79E-05	3.68E-10	2.49E-07	2.63E-07	3.84E-05	1.79E-05	1.52E-04	1.87E-05	9.66E-06	1.98E-04	1.70E-05	3.02E-10	2.49E-07	2.63E-07	1.75E-05
3668	472863.09	3851377.25	3.77E-05	3.83E-10	2.37E-07	2.65E-07	3.82E-05	1.78E-05	1.58E-04	1.78E-05	9.72E-06	2.03E-04	1.69E-05	3.14E-10	2.37E-07	2.65E-07	1.74E-05
3669	473363.09	3851377.25	3.45E-05	3.59E-10	2.19E-07	2.63E-07	3.50E-05	1.63E-05	1.48E-04	1.64E-05	9.66E-06	1.90E-04	1.55E-05	2.95E-10	2.19E-07	2.63E-07	1.60E-05
3670	473863.09	3851377.25	3.50E-05	3.95E-10	2.05E-07	2.65E-07	3.55E-05	1.65E-05	1.63E-04	1.54E-05	9.72E-06	2.04E-04	1.57E-05	3.24E-10	2.05E-07	2.65E-07	1.62E-05
3671	474363.09	3851377.25	3.87E-05	4.95E-10	1.94E-07	2.70E-07	3.92E-05	1.83E-05	2.04E-04	1.45E-05	9.88E-06	2.47E-04	1.74E-05	4.07E-10	1.94E-07	2.70E-07	1.78E-05
3672	474863.09	3851377.25	4.17E-05	5.83E-10	1.82E-07	2.72E-07	4.21E-05	1.97E-05	2.40E-04	1.37E-05	9.98E-06	2.83E-04	1.87E-05	4.78E-10	1.82E-07	2.72E-07	1.92E-05
3673	475363.09	3851377.25	4.47E-05	6.40E-10	1.75E-07	2.75E-07	4.52E-05	2.11E-05	2.64E-04	1.31E-05	1.01E-05	3.08E-04	2.01E-05	5.25E-10	1.75E-07	2.75E-07	2.05E-05
3674	475863.09	3851377.25	4.85E-05	6.66E-10	1.76E-07	2.79E-07	4.90E-05	2.29E-05	2.74E-04	1.32E-05	1.02E-05	3.21E-04	2.18E-05	5.47E-10	1.76E-07	2.79E-07	2.22E-05
3675	476363.09	3851377.25	5.39E-05	6.81E-10	1.82E-07	2.83E-07	5.43E-05	2.54E-05	2.81E-04	1.37E-05	1.04E-05	3.30E-04	2.42E-05	5.59E-10	1.82E-07	2.83E-07	2.46E-05
3676	476863.09	3851377.25	5.99E-05	6.62E-10	1.90E-07	2.88E-07	6.04E-05	2.83E-05	2.73E-04	1.42E-05	1.05E-05	3.26E-04	2.69E-05	5.43E-10	1.90E-07	2.88E-07	2.74E-05
3677	477363.09	3851377.25	6.49E-05	6.90E-10	1.95E-07	2.93E-07	6.53E-05	3.06E-05	2.84E-04	1.46E-05	1.07E-05	3.40E-04	2.91E-05	5.66E-10	1.95E-07	2.93E-07	2.96E-05
3678	477863.09	3851377.25	6.84E-05	6.90E-10	1.95E-07	2.96E-07	6.89E-05	3.23E-05	2.84E-04	1.46E-05	1.09E-05	3.42E-04	3.07E-05	5.67E-10	1.95E-07	2.96E-07	3.12E-05
3679	478363.09	3851377.25	6.99E-05	7.64E-10	1.95E-07	2.96E-07	7.04E-05	3.30E-05	3.15E-04	1.46E-05	1.09E-05	3.73E-04	3.14E-05	6.27E-10	1.95E-07	2.96E-07	3.19E-05
3680	478863.09	3851377.25	7.02E-05	9.66E-10	1.98E-07	2.94E-07	7.07E-05	3.31E-05	3.98E-04	1.49E-05	1.08E-05	4.57E-04	3.15E-05	7.92E-10	1.98E-07	2.94E-07	3.20E-05
3681	479363.09	3851377.25	6.96E-05	1.09E-09	2.05E-07	2.94E-07	7.01E-05	3.28E-05	4.50E-04	1.54E-05	1.08E-05	5.09E-04	3.12E-05	8.97E-10	2.05E-07	2.94E-07	3.17E-05
3682	479863.09	3851377.25	6.75E-05	1.08E-09	2.10E-07	3.00E-07	6.81E-05	3.19E-05	4.44E-04	1.58E-05	1.10E-05	5.02E-04	3.03E-05	8.84E-10	2.10E-07	3.00E-07	3.08E-05
3683	480363.09	3851377.25	7.43E-05	1.01E-09	2.11E-07	3.07E-07	7.48E-05	3.50E-05	4.18E-04	1.58E-05	1.13E-05	4.80E-04	3.33E-05	8.33E-10	2.11E-07	3.07E-07	3.38E-05
3684	480863.09	3851377.25	1.00E-04	9.62E-10	2.08E-07	3.20E-07	1.01E-04	4.72E-05	3.96E-04	1.56E-05	1.17E-05	4.71E-04	4.49E-05	7.89E-10	2.08E-07	3.20E-07	4.54E-05
3685	481363.09	3851377.25	1.13E-04	8.27E-10	2.10E-07	3.38E-07	1.13E-04	5.31E-05	3.41E-04	1.58E-05	1.24E-05	4.22E-04	5.05E-05	6.79E-10	2.10E-07	3.38E-07	5.11E-05
3686	481863.09	3851377.25	9.56E-05	6.77E-10	2.36E-07	3.62E-07	9.62E-05	4.51E-05	2.79E-04	1.77E-05	1.33E-05	3.55E-04	4.29E-05	5.56E-10	2.36E-07	3.62E-07	4.35E-05
3687	482363.09	3851377.25	8.14E-05	5.68E-10	3.09E-07	3.92E-07	8.21E-05	3.84E-05	2.34E-04	2.32E-05	1.44E-05	3.10E-04	3.65E-05	4.66E-10	3.09E-07	3.92E-07	3.72E-05
3688	482863.09	3851377.25	6.71E-05	4.28E-10	3.32E-07	4.11E-07	6.78E-05	3.16E-05	1.76E-04	2.49E-05	1.51E-05	2.48E-04	3.01E-05	3.51E-10	3.32E-07	4.11E-07	3.08E-05
3689	483363.09	3851377.25	4.60E-05	3.26E-10	2.68E-07	3.75E-07	4.66E-05	2.17E-05	1.34E-04	2.01E-05	1.37E-05	1.90E-04	2.06E-05	2.67E-10	2.68E-07	3.75E-07	2.13E-05
3690	483863.09	3851377.25	3.90E-05	2.88E-10	3.05E-07	3.56E-07	3.96E-05	1.84E-05	1.19E-04	2.29E-05	1.31E-05	1.73E-04	1.75E-05	2.37E-10	3.05E-07	3.56E-07	1.81E-05
3691	484363.09	3851377.25	4.93E-05	3.40E-10	4.29E-07	3.70E-07	5.01E-05	2.32E-05	1.40E-04	3.22E-05	1.36E-05	2.09E-04	2.21E-05	2.79E-10	4.29E-07	3.70E-07	2.29E-05
3692	484863.09	3851377.25	3.57E-05	2.66E-10	3.24E-07	3.77E-07	3.64E-05	1.69E-05	1.10E-04	2.43E-05	1.38E-05	1.65E-04	1.60E-05	2.18E-10	3.24E-07	3.77E-07	1.67E-05
3693	485363.09	3851377.25	4.43E-05	3.17E-10	3.77E-07	4.08E-07	4.51E-05	2.09E-05	1.30E-04	2.83E-05	1.50E-05	1.95E-04	1.99E-05	2.60E-10	3.77E-07	4.08E-07	2.06E-05
3694	485863.09	3851377.25	3.50E-05	2.87E-10	4.79E-07	4.10E-07	3.59E-05	1.65E-05	1.18E-04	3.59E-05	1.50E-05	1.86E-04	1.57E-05	2.35E-10	4.79E-07	4.10E-07	1.66E-05
3695	486363.09	3851377.25	3.47E-05	3.00E-10	5.35E-07	4.36E-07	3.57E-05	1.64E-05	1.24E-04	4.01E-05	1.60E-05	1.96E-04	1.56E-05	2.47E-10	5.35E-07	4.36E-07	1.65E-05
3696	486863.09	3851377.25	3.20E-05	2.96E-10	4.86E-07	4.28E-07	3.29E-05	1.51E-05	1.22E-04	3.64E-05	1.57E-05	1.89E-04	1.43E-05	2.43E-10	4.86E-07	4.28E-07	1.53E-05
3697	487363.09	3851377.25	2.61E-05	2.71E-10	3.18E-07	4.11E-07	2.69E-05	1.23E-05	1.12E-04	2.39E-05	1.51E-05	1.63E-04	1.17E-05	2.22E-10	3.18E-07	4.11E-07	1.25E-05
3698	487863.09	3851377.25	2.96E-05	2.81E-10	2.75E-07	4.28E-07	3.03E-05	1.40E-05	1.16E-04	2.06E-05	1.57E-05	1.66E-04	1.33E-05	2.31E-10	2.75E-07	4.28E-07	1.40E-05
3699	488363.09	3851377.25	3.18E-05	2.97E-10	3.01E-07	4.57E-07	3.25E-05	1.50E-05	1.22E-04	2.26E-05	1.68E-05	1.77E-04	1.42E-05	2.43E-10	3.01E-07	4.57E-07	1.50E-05
3700	488863.09	3851377.25	3.19E-05	3.08E-10	3.50E-07	4.89E-07	3.27E-05	1.50E-05	1.27E-04	2.63E-05	1.79E-05	1.86E-04	1.43E-05	2.53E-10	3.50E-07	4.89E-07	1.51E-05
3701	489363.09	3851377.25	3.25E-05	3.16E-10	3.73E-07	5.11E-07	3.33E-05	1.53E-05	1.30E-04	2.79E-05	1.88E-05	1.92E-04	1.46E-05	2.59E-10	3.73E-07	5.11E-07	1.54E-05
3702	489863.09	3851377.25	3.34E-05	3.20E-10	3.76E-07	5.28E-07	3.43E-05	1.57E-05	1.32E-04	2.82E-05	1.94E-05	1.95E-04	1.50E-05	2.62E-10	3.76E-07	5.28E-07	1.59E-05
3703	490363.09	3851377.25	3.51E-05	3.34E-10	3.84E-07	5.42E-07	3.60E-05	1.66E-05	1.38E-04	2.88E-05	1.99E-05	2.03E-04	1.57E-05	2.74E-10	3.84E-07	5.42E-07	1.67E-05
3704	490863.09	3851377.25	3.74E-05	3.47E-10	3.60E-07	5.58E-07	3.84E-05	1.77E-05	1.43E-04	2.70E-05	2.05E-05	2.08E-04	1.68E-05	2.85E-10	3.60E-07	5.58E-07	1.77E-05
3705	491363.09	3851377.25	3.86E-05	3.52E-10	3.16E-07	5.74E-07	3.95E-05	1.82E-05	1.45E-04	2.37E-05	2.11E-05	2.08E-04	1.73E-05	2.89E-10	3.16E-07	5.74E-07	1.82E-05
3706	491863.09	3851377.25	3.96E-05	3.59E-10	3.04E-07	5.91E-07	4.05E-05	1.87E-05	1.48E-04	2.28E-05	2.17E-05	2.11E-04	1.77E-05	2.94E-10	3.04E-07	5.91E-07	1.86E-05
3707	492363.09	3851377.25	4.14E-05	3.74E-10	3.09E-07	6.05E-07	4.24E-05	1.95E-05	1.54E-04	2.32E-05	2.22E-05	2.19E-04	1.86E-05	3.07E-10	3.09E-07	6.05E-07	1.95E-05
3708	492863.09	3851377.25	4.28E-05	3.82E-10	3.40E-07	6.18E-07	4.37E-05	2.02E-05	1.58E-04	2.55E-05	2.27E-05	2.26E-04	1.92E-05	3.14E-10	3.40E-07	6.18E-07	2.01E-05
3709	493363.09	3851377.25	4.07E-05	3.68E-10	3.99E-07	6.28E-07	4.17E-05	1.92E-05	1.52E-04	2.99E-05	2.30E-05	2.24E-04	1.83E-05	3.02E-10	3.99E-07	6.28E-07	1.93E-05
3710	493863.09	3851377.25	4.64E-05	4.01E-10	4.64E-07	6.50E-07	4.75E-05	2.19E-05	1.65E-04	3.48E-05	2.38E-05	2.46E-04	2.08E-05	3.29E-10	4.64E-07	6.50E-07	2.19E-05
3711	494363.09	3851377.25	5.71E-05	4.65E-10	5.37E-07	6.76E-07	5.83E-05	2.69E-05	1.92E-04	4.02E-05	2.48E-05	2.83E-04	2.56E-05	3.81E-10	5.37E-07	6.76E-07	2.68E-05
3712	494863.09	3851377.25	6.12E-05	4.92E-10	5.83E-07	6.97E-07	6.25E-05	2.89E-05	2.03E-04	4.38E-05	2.56E-05	3.01E-04	2.75E-05	4.03E-10	5.83E-07	6.97E-07	2.87E-05
3713	495363.09	3851377.25	7.25E-05	5.55E-10	6.40E-07	7.31E-07	7.39E-05	3.42E-05	2.29E-04	4.80E-05	2.68E-05	3.38E-04	3.25E-05	4.56E-10	6.40E-07	7.31E-07	3.39E-05
3714	495863.09	3851377.25	7.77E-05	5.86E-10	6.21E-07	7.51E-07	7.91E-05	3.67E-05	2.42E-04	4.66E-05	2.75E-05	3.52E-04	3.49E-05	4.81E-10	6.21E-07	7.51E-07	3.62E-05
3715	496363.09	3851377.25	8.06E-05	6.06E-10	6.18E-07	7.64E-07	8.20E-05	3.80E-05	2.50E-04	4.64E-05	2.80E-05	3.62E-04	3.62E-05	4.98E-10	6.18E-07	7.64E-07	3.75E-05
3716	496863.09	3851377.25	8.18E-05	6.21E-10	6.44E-07	7.72E-07	8.32E-05	3.86E-05	2.56E-04	4.83E-05	2.83E-05	3.71E-04	3.67E-05	5.09E-10	6.44E-07	7.72E-07	3.81E-05
3717	497363.09	3851377.25	8.22E-05	6.32E-10	6.85E-07	7.81E-07	8.37E-05	3.88E-05	2.61E-04	5.13E-05	2.86E-05	3.79E-04	3.69E-05	5.19E-10	6.85E-07	7.81E-07	3.83E-05

3718	497863.09	3851377.25	8.14E-05	6.36E-10	7.23E-07	7.84E-07	8.29E-05	3.84E-05	2.62E-04	5.42E-05	2.87E-05	3.83E-04	3.65E-05	5.22E-10	7.23E-07	7.84E-07	3.80E-05
3719	498363.09	3851377.25	7.75E-05	6.22E-10	7.56E-07	7.82E-07	7.90E-05	3.65E-05	2.56E-04	5.67E-05	2.87E-05	3.78E-04	3.47E-05	5.11E-10	7.56E-07	7.82E-07	3.63E-05
3720	471363.09	3851877.25	3.29E-05	3.20E-10	2.76E-07	2.71E-07	3.35E-05	1.55E-05	1.32E-04	2.07E-05	9.95E-06	1.78E-04	1.48E-05	2.63E-10	2.76E-07	2.71E-07	1.53E-05
3721	471863.09	3851877.25	3.31E-05	3.11E-10	2.76E-07	2.73E-07	3.37E-05	1.56E-05	1.28E-04	2.07E-05	1.00E-05	1.75E-04	1.49E-05	2.55E-10	2.76E-07	2.73E-07	1.54E-05
3722	472363.09	3851877.25	3.74E-05	3.46E-10	2.84E-07	2.80E-07	3.80E-05	1.77E-05	1.42E-04	2.13E-05	1.03E-05	1.92E-04	1.68E-05	2.84E-10	2.84E-07	2.80E-07	1.74E-05
3723	472863.09	3851877.25	4.13E-05	3.83E-10	2.83E-07	2.85E-07	4.18E-05	1.95E-05	1.58E-04	2.12E-05	1.05E-05	2.09E-04	1.85E-05	3.14E-10	2.83E-07	2.85E-07	1.91E-05
3724	473363.09	3851877.25	4.02E-05	3.67E-10	2.67E-07	2.84E-07	4.08E-05	1.90E-05	1.51E-04	2.00E-05	1.04E-05	2.01E-04	1.80E-05	3.01E-10	2.67E-07	2.84E-07	1.86E-05
3725	473863.09	3851877.25	4.10E-05	3.78E-10	2.54E-07	2.86E-07	4.15E-05	1.93E-05	1.56E-04	1.91E-05	1.05E-05	2.05E-04	1.84E-05	3.11E-10	2.54E-07	2.86E-07	1.89E-05
3726	474363.09	3851877.25	4.47E-05	4.47E-10	2.47E-07	2.91E-07	4.52E-05	2.11E-05	1.84E-04	1.85E-05	1.07E-05	2.35E-04	2.00E-05	3.67E-10	2.47E-07	2.91E-07	2.06E-05
3727	474863.09	3851877.25	4.72E-05	5.43E-10	2.31E-07	2.94E-07	4.77E-05	2.23E-05	2.24E-04	1.73E-05	1.08E-05	2.74E-04	2.12E-05	4.45E-10	2.31E-07	2.94E-07	2.17E-05
3728	475363.09	3851877.25	4.83E-05	6.12E-10	2.13E-07	2.95E-07	4.88E-05	2.28E-05	2.52E-04	1.59E-05	1.08E-05	3.02E-04	2.17E-05	5.03E-10	2.13E-07	2.95E-07	2.22E-05
3729	475863.09	3851877.25	4.96E-05	6.49E-10	1.96E-07	2.98E-07	5.01E-05	2.34E-05	2.67E-04	1.47E-05	1.09E-05	3.16E-04	2.22E-05	5.33E-10	1.96E-07	2.98E-07	2.27E-05
3730	476363.09	3851877.25	5.07E-05	6.15E-10	1.87E-07	3.01E-07	5.12E-05	2.39E-05	2.53E-04	1.40E-05	1.11E-05	3.02E-04	2.27E-05	5.04E-10	1.87E-07	3.01E-07	2.32E-05
3731	476863.09	3851877.25	5.61E-05	6.68E-10	1.88E-07	3.06E-07	5.66E-05	2.65E-05	2.75E-04	1.41E-05	1.12E-05	3.27E-04	2.52E-05	5.48E-10	1.88E-07	3.06E-07	2.56E-05
3732	477363.09	3851877.25	6.38E-05	7.06E-10	1.96E-07	3.12E-07	6.43E-05	3.01E-05	2.91E-04	1.47E-05	1.14E-05	3.47E-04	2.86E-05	5.80E-10	1.96E-07	3.12E-07	2.91E-05
3733	477863.09	3851877.25	7.20E-05	7.10E-10	2.03E-07	3.18E-07	7.25E-05	3.40E-05	2.93E-04	1.52E-05	1.17E-05	3.53E-04	3.23E-05	5.83E-10	2.03E-07	3.18E-07	3.28E-05
3734	478363.09	3851877.25	7.89E-05	6.81E-10	2.06E-07	3.22E-07	7.94E-05	3.72E-05	2.80E-04	1.54E-05	1.18E-05	3.45E-04	3.54E-05	5.58E-10	2.06E-07	3.22E-07	3.59E-05
3735	478863.09	3851877.25	8.30E-05	7.81E-10	2.07E-07	3.25E-07	8.35E-05	3.91E-05	3.22E-04	1.55E-05	1.19E-05	3.88E-04	3.72E-05	6.41E-10	2.07E-07	3.25E-07	3.77E-05
3736	479363.09	3851877.25	8.44E-05	1.07E-09	2.10E-07	3.24E-07	8.49E-05	3.98E-05	4.40E-04	1.58E-05	1.19E-05	5.07E-04	3.78E-05	8.77E-10	2.10E-07	3.24E-07	3.84E-05
3737	479863.09	3851877.25	8.40E-05	1.26E-09	2.18E-07	3.25E-07	8.46E-05	3.96E-05	5.19E-04	1.63E-05	1.19E-05	5.87E-04	3.77E-05	1.03E-09	2.18E-07	3.25E-07	3.82E-05
3738	480363.09	3851877.25	8.19E-05	1.22E-09	2.24E-07	3.31E-07	8.25E-05	3.86E-05	5.04E-04	1.68E-05	1.21E-05	5.72E-04	3.67E-05	1.00E-09	2.24E-07	3.31E-07	3.73E-05
3739	480863.09	3851877.25	8.71E-05	1.18E-09	2.26E-07	3.41E-07	8.77E-05	4.11E-05	4.84E-04	1.70E-05	1.25E-05	5.55E-04	3.91E-05	9.64E-10	2.26E-07	3.41E-07	3.96E-05
3740	481363.09	3851877.25	1.18E-04	1.11E-09	2.25E-07	3.61E-07	1.19E-04	5.58E-05	4.59E-04	1.68E-05	1.32E-05	5.45E-04	5.31E-05	9.15E-10	2.25E-07	3.61E-07	5.36E-05
3741	481863.09	3851877.25	1.34E-04	9.16E-10	2.25E-07	3.84E-07	1.35E-04	6.34E-05	3.77E-04	1.69E-05	1.41E-05	4.72E-04	6.03E-05	7.52E-10	2.25E-07	3.84E-07	6.09E-05
3742	482363.09	3851877.25	1.05E-04	6.34E-10	2.67E-07	4.25E-07	1.06E-04	4.96E-05	2.61E-04	2.00E-05	1.56E-05	3.46E-04	4.71E-05	5.20E-10	2.67E-07	4.25E-07	4.78E-05
3743	482863.09	3851877.25	7.33E-05	4.51E-10	3.75E-07	4.36E-07	7.41E-05	3.46E-05	1.86E-04	2.81E-05	1.60E-05	2.65E-04	3.29E-05	3.70E-10	3.75E-07	4.36E-07	3.37E-05
3744	483363.09	3851877.25	7.35E-05	4.51E-10	3.39E-07	4.44E-07	7.43E-05	3.47E-05	1.86E-04	2.55E-05	1.63E-05	2.62E-04	3.30E-05	3.70E-10	3.39E-07	4.44E-07	3.37E-05
3745	483863.09	3851877.25	6.44E-05	4.01E-10	3.16E-07	4.23E-07	6.51E-05	3.04E-05	1.65E-04	2.37E-05	1.55E-05	2.35E-04	2.89E-05	3.29E-10	3.16E-07	4.23E-07	2.96E-05
3746	484363.09	3851877.25	6.81E-05	4.21E-10	4.56E-07	4.18E-07	6.89E-05	3.21E-05	1.73E-04	3.42E-05	1.53E-05	2.55E-04	3.05E-05	3.45E-10	4.56E-07	4.18E-07	3.14E-05
3747	484863.09	3851877.25	6.00E-05	3.76E-10	4.42E-07	4.34E-07	6.09E-05	2.83E-05	1.55E-04	3.32E-05	1.59E-05	2.32E-04	2.69E-05	3.09E-10	4.42E-07	4.34E-07	2.78E-05
3748	485363.09	3851877.25	5.69E-05	3.82E-10	3.84E-07	4.54E-07	5.77E-05	2.68E-05	1.58E-04	2.88E-05	1.66E-05	2.30E-04	2.55E-05	3.14E-10	3.84E-07	4.54E-07	2.64E-05
3749	485863.09	3851877.25	5.48E-05	3.91E-10	4.86E-07	5.05E-07	5.58E-05	2.58E-05	1.61E-04	3.64E-05	1.85E-05	2.42E-04	2.46E-05	3.21E-10	4.86E-07	5.05E-07	2.56E-05
3750	486363.09	3851877.25	4.27E-05	3.54E-10	5.89E-07	5.05E-07	4.38E-05	2.01E-05	1.46E-04	4.41E-05	1.85E-05	2.29E-04	1.91E-05	2.91E-10	5.89E-07	5.05E-07	2.02E-05
3751	486863.09	3851877.25	3.99E-05	3.56E-10	5.74E-07	4.91E-07	4.10E-05	1.88E-05	1.46E-04	4.31E-05	1.80E-05	2.26E-04	1.79E-05	2.92E-10	5.74E-07	4.91E-07	1.90E-05
3752	487363.09	3851877.25	3.89E-05	3.56E-10	3.94E-07	4.90E-07	3.98E-05	1.84E-05	1.46E-04	2.95E-05	1.80E-05	2.12E-04	1.75E-05	2.92E-10	3.94E-07	4.90E-07	1.83E-05
3753	487863.09	3851877.25	3.50E-05	3.32E-10	2.97E-07	5.11E-07	3.58E-05	1.65E-05	1.37E-04	2.23E-05	1.87E-05	1.94E-04	1.57E-05	2.72E-10	2.97E-07	5.11E-07	1.65E-05
3754	488363.09	3851877.25	3.67E-05	3.52E-10	3.24E-07	5.47E-07	3.75E-05	1.73E-05	1.45E-04	2.43E-05	2.00E-05	2.07E-04	1.64E-05	2.89E-10	3.24E-07	5.47E-07	1.73E-05
3755	488863.09	3851877.25	3.54E-05	3.56E-10	3.78E-07	5.67E-07	3.64E-05	1.67E-05	1.47E-04	2.84E-05	2.08E-05	2.13E-04	1.59E-05	2.92E-10	3.78E-07	5.67E-07	1.68E-05
3756	489363.09	3851877.25	3.62E-05	3.61E-10	3.95E-07	5.88E-07	3.72E-05	1.71E-05	1.49E-04	2.96E-05	2.16E-05	2.17E-04	1.63E-05	2.96E-10	3.95E-07	5.88E-07	1.72E-05
3757	489863.09	3851877.25	3.91E-05	3.72E-10	3.85E-07	6.09E-07	4.00E-05	1.84E-05	1.53E-04	2.89E-05	2.23E-05	2.23E-04	1.75E-05	3.06E-10	3.85E-07	6.09E-07	1.85E-05
3758	490363.09	3851877.25	4.39E-05	3.98E-10	3.95E-07	6.28E-07	4.49E-05	2.07E-05	1.64E-04	2.97E-05	2.30E-05	2.37E-04	1.97E-05	3.27E-10	3.95E-07	6.28E-07	2.07E-05
3759	490863.09	3851877.25	4.89E-05	4.27E-10	3.73E-07	6.50E-07	4.99E-05	2.31E-05	1.76E-04	2.79E-05	2.38E-05	2.51E-04	2.19E-05	3.50E-10	3.73E-07	6.50E-07	2.29E-05
3760	491363.09	3851877.25	5.40E-05	4.54E-10	3.52E-07	6.74E-07	5.51E-05	2.55E-05	1.87E-04	2.64E-05	2.47E-05	2.64E-04	2.42E-05	3.73E-10	3.52E-07	6.74E-07	2.53E-05
3761	491863.09	3851877.25	5.88E-05	4.81E-10	3.54E-07	6.93E-07	5.98E-05	2.77E-05	1.98E-04	2.65E-05	2.54E-05	2.78E-04	2.64E-05	3.95E-10	3.54E-07	6.93E-07	2.74E-05
3762	492363.09	3851877.25	6.06E-05	4.91E-10	3.62E-07	7.09E-07	6.17E-05	2.86E-05	2.02E-04	2.72E-05	2.60E-05	2.84E-04	2.72E-05	4.03E-10	3.62E-07	7.09E-07	2.83E-05
3763	492863.09	3851877.25	5.55E-05	4.60E-10	4.17E-07	7.13E-07	5.66E-05	2.62E-05	1.90E-04	3.13E-05	2.61E-05	2.73E-04	2.49E-05	3.78E-10	4.17E-07	7.13E-07	2.60E-05
3764	493363.09	3851877.25	6.90E-05	5.32E-10	5.21E-07	7.47E-07	7.03E-05	3.25E-05	2.19E-04	3.91E-05	2.74E-05	3.18E-04	3.09E-05	4.37E-10	5.21E-07	7.47E-07	3.22E-05
3765	493863.09	3851877.25	8.44E-05	6.17E-10	6.37E-07	7.84E-07	8.58E-05	3.98E-05	2.54E-04	4.78E-05	2.87E-05	3.71E-04	3.78E-05	5.06E-10	6.37E-07	7.84E-07	3.93E-05
3766	494363.09	3851877.25	8.42E-05	6.21E-10	6.90E-07	7.96E-07	8.57E-05	3.97E-05	2.56E-04	5.17E-05	2.92E-05	3.76E-04	3.78E-05	5.09E-10	6.90E-07	7.96E-07	3.93E-05
3767	494863.09	3851877.25	9.50E-05	6.82E-10	7.08E-07	8.24E-07	9.65E-05	4.48E-05	2.81E-04	5.31E-05	3.02E-05	4.09E-04	4.26E-05	5.60E-10	7.08E-07	8.24E-07	4.41E-05
3768	495363.09	3851877.25	1.02E-04	7.23E-10	6.93E-07	8.45E-07	1.03E-04	4.79E-05	2.98E-04	5.20E-05	3.10E-05	4.29E-04	4.56E-05	5.93E-10	6.93E-07	8.45E-07	4.71E-05
3769	495863.09	3851877.25	1.06E-04	7.52E-10	6.97E-07	8.59E-07	1.07E-04	4.99E-05	3.10E-04	5.22E-05	3.15E-05	4.44E-04	4.75E-05	6.17E-10	6.97E-07	8.59E-07	4.90E-05
3770	496363.09	3851877.25	1.05E-04	7.58E-10	7.20E-07	8.64E-07	1.07E-04	4.97E-05	3.12E-04	5.40E-05	3.17E-05	4.48E-04	4.73E-05	6.22E-10	7.20E-07	8.64E-07	4.89E-05
3771	496863.09	3851877.25	1.04E-04	7.60E-10	7.68E-07	8.65E-07	1.06E-04	4.91E-05	3.13E-04	5.76E-05	3.17E-05	4.51E-04	4.67E-05	6.24E-10	7.68E-07	8.65E-07	4.83E-05
3772	497363.09	3851877.25	1.02E-04	7.56E-10	8.12E-07	8.63E-07	1.04E-04	4.80E-05	3.12E-04	6.09E-05	3.16E-05	4.52E-04	4.57E-05	6.21E-10	8.12E-07	8.63E-07	4.73E-05
3773	497863.09	3851877.25	9.56E-05	7.32E-10	8.49E-07	8.58E-07	9.73E-05	4.51E-05	3.01E-04	6.37E-05	3.14E-05	4.42E-04	4.29E-05	6.00E-10	8.49E-07	8.58E-07	4.46E-05
3774	498363.09	3851877.25	8.96E-05	7.10E-10	8.88E-07	8.56E-07	9.14E-05	4.23E-05	2.93E-04	6.66E-05	3.14E-05	4.33E-04	4.02E-05	5.83E-10	8.88E-07	8.56E-07	4.19E-05
3775	471363.09	3852377.25	3.00E-05	3.09E-10	2.70E-07	2.81E-07	3.06E-05	1.42E-05	1.27E-04	2.02E-05	1.03E-05	1.72E-04	1.35E-05	2.53E-10	2.70E-07	2.81E-07	1.40E-05
3776	471863.09	3852377.25	3.41E-05	3.38E-10	2.81E-07	2.88E-07	3.46E-05	1.61E-05	1.39E-04	2.10E-05	1.05E-05	1.87E-04	1.53E-05	2.77E-10	2.81E-07	2.88E-07	1.58E-05
3777	472363.09	3852377.25	3.72E-05	3.58E-10	2.94E-07	2.94E-07	3.78E-05	1.76E-05	1.47E-04	2.21E-05	1.08E-05	1.98E-04	1.67E-05	2.94E-10	2.94E-07	2.94E-07	1.73E-05
3778	472863.09	3852377.25	4.01E-05	3.75E-10	3.05E-07	3.01E-07	4.07E-05	1.89E-05	1.55E-04	2.29E-05	1.10E-05	2.07E-04	1.80E-05	3.08E-10	3.05E-07	3.01E-07	1.86E-05

3779	473363.09	3852377.25	4.24E-05	3.88E-10	3.10E-07	3.07E-07	4.30E-05	2.00E-05	1.60E-04	2.32E-05	1.12E-05	2.14E-04	1.90E-05	3.18E-10	3.10E-07	3.07E-07	1.96E-05
3780	473863.09	3852377.25	4.41E-05	3.98E-10	3.07E-07	3.11E-07	4.47E-05	2.08E-05	1.64E-04	2.30E-05	1.14E-05	2.19E-04	1.98E-05	3.27E-10	3.07E-07	3.11E-07	2.04E-05
3781	474363.09	3852377.25	4.63E-05	4.14E-10	2.98E-07	3.13E-07	4.69E-05	2.19E-05	1.71E-04	2.23E-05	1.15E-05	2.26E-04	2.08E-05	3.40E-10	2.98E-07	3.13E-07	2.14E-05
3782	474863.09	3852377.25	5.53E-05	5.31E-10	2.95E-07	3.22E-07	5.59E-05	2.61E-05	2.19E-04	2.21E-05	1.18E-05	2.79E-04	2.48E-05	4.36E-10	2.95E-07	3.22E-07	2.54E-05
3783	475363.09	3852377.25	5.66E-05	5.57E-10	2.77E-07	3.24E-07	5.72E-05	2.67E-05	2.30E-04	2.08E-05	1.19E-05	2.89E-04	2.54E-05	4.57E-10	2.77E-07	3.24E-07	2.60E-05
3784	475863.09	3852377.25	5.67E-05	5.81E-10	2.55E-07	3.25E-07	5.73E-05	2.67E-05	2.39E-04	1.91E-05	1.19E-05	2.97E-04	2.54E-05	4.77E-10	2.55E-07	3.25E-07	2.60E-05
3785	476363.09	3852377.25	5.54E-05	5.73E-10	2.30E-07	3.25E-07	5.60E-05	2.62E-05	2.36E-04	1.73E-05	1.19E-05	2.92E-04	2.49E-05	4.71E-10	2.30E-07	3.25E-07	2.54E-05
3786	476863.09	3852377.25	5.67E-05	6.00E-10	2.12E-07	3.30E-07	5.73E-05	2.68E-05	2.47E-04	1.59E-05	1.21E-05	3.02E-04	2.54E-05	4.93E-10	2.12E-07	3.30E-07	2.60E-05
3787	477363.09	3852377.25	5.82E-05	6.03E-10	2.03E-07	3.36E-07	5.87E-05	2.74E-05	2.48E-04	1.52E-05	1.23E-05	3.03E-04	2.61E-05	4.94E-10	2.03E-07	3.36E-07	2.66E-05
3788	477863.09	3852377.25	5.65E-05	5.27E-10	2.01E-07	3.38E-07	5.71E-05	2.67E-05	2.17E-04	1.51E-05	1.24E-05	2.71E-04	2.53E-05	4.32E-10	2.01E-07	3.38E-07	2.59E-05
3789	478363.09	3852377.25	5.89E-05	4.89E-10	2.10E-07	3.45E-07	5.94E-05	2.78E-05	2.02E-04	1.58E-05	1.27E-05	2.58E-04	2.64E-05	4.02E-10	2.10E-07	3.45E-07	2.70E-05
3790	478863.09	3852377.25	7.80E-05	5.69E-10	2.21E-07	3.56E-07	7.86E-05	3.68E-05	2.34E-04	1.66E-05	1.30E-05	3.01E-04	3.50E-05	4.67E-10	2.21E-07	3.56E-07	3.55E-05
3791	479363.09	3852377.25	9.17E-05	6.42E-10	2.24E-07	3.61E-07	9.23E-05	4.33E-05	2.64E-04	1.68E-05	1.32E-05	3.38E-04	4.11E-05	5.26E-10	2.24E-07	3.61E-07	4.17E-05
3792	479863.09	3852377.25	1.03E-04	1.02E-09	2.23E-07	3.61E-07	1.03E-04	4.85E-05	4.20E-04	1.67E-05	1.32E-05	4.98E-04	4.61E-05	8.36E-10	2.23E-07	3.61E-07	4.67E-05
3793	480363.09	3852377.25	1.04E-04	1.47E-09	2.32E-07	3.65E-07	1.04E-04	4.90E-05	6.04E-04	1.74E-05	1.34E-05	6.84E-04	4.66E-05	1.20E-09	2.32E-07	3.65E-07	4.72E-05
3794	480863.09	3852377.25	1.02E-04	1.43E-09	2.40E-07	3.73E-07	1.03E-04	4.81E-05	5.88E-04	1.80E-05	1.37E-05	6.68E-04	4.58E-05	1.17E-09	2.40E-07	3.73E-07	4.64E-05
3795	481363.09	3852377.25	1.05E-04	1.38E-09	2.44E-07	3.91E-07	1.06E-04	4.97E-05	5.69E-04	1.83E-05	1.43E-05	6.51E-04	4.72E-05	1.13E-09	2.44E-07	3.91E-07	4.79E-05
3796	481863.09	3852377.25	1.44E-04	1.25E-09	2.43E-07	4.16E-07	1.44E-04	6.77E-05	5.17E-04	1.82E-05	1.53E-05	6.18E-04	6.44E-05	1.03E-09	2.43E-07	4.16E-07	6.50E-05
3797	482363.09	3852377.25	1.64E-04	1.10E-09	2.43E-07	4.54E-07	1.65E-04	7.73E-05	4.52E-04	1.82E-05	1.66E-05	5.65E-04	7.35E-05	9.01E-10	2.43E-07	4.54E-07	7.42E-05
3798	482863.09	3852377.25	1.36E-04	8.67E-10	2.78E-07	4.77E-07	1.37E-04	6.44E-05	3.57E-04	2.09E-05	1.75E-05	4.60E-04	6.12E-05	7.12E-10	2.78E-07	4.77E-07	6.20E-05
3799	483363.09	3852377.25	1.10E-04	5.92E-10	3.90E-07	5.01E-07	1.10E-04	5.17E-05	2.44E-04	2.92E-05	1.84E-05	3.43E-04	4.91E-05	4.86E-10	3.90E-07	5.01E-07	5.00E-05
3800	483863.09	3852377.25	8.37E-05	4.85E-10	3.46E-07	4.86E-07	8.45E-05	3.95E-05	2.00E-04	2.60E-05	1.78E-05	2.83E-04	3.75E-05	3.98E-10	3.46E-07	4.86E-07	3.84E-05
3801	484363.09	3852377.25	9.19E-05	5.08E-10	3.82E-07	4.83E-07	9.28E-05	4.34E-05	2.09E-04	2.86E-05	1.77E-05	2.99E-04	4.12E-05	4.17E-10	3.82E-07	4.83E-07	4.21E-05
3802	484863.09	3852377.25	9.00E-05	5.15E-10	5.19E-07	4.83E-07	9.10E-05	4.25E-05	2.12E-04	3.89E-05	1.77E-05	3.11E-04	4.04E-05	4.22E-10	5.19E-07	4.83E-07	4.14E-05
3803	485363.09	3852377.25	8.76E-05	5.29E-10	4.32E-07	5.43E-07	8.85E-05	4.13E-05	2.18E-04	3.24E-05	1.99E-05	3.12E-04	3.93E-05	4.34E-10	4.32E-07	5.43E-07	4.02E-05
3804	485863.09	3852377.25	7.33E-05	4.89E-10	4.66E-07	6.08E-07	7.44E-05	3.46E-05	2.02E-04	3.50E-05	2.23E-05	2.93E-04	3.29E-05	4.02E-10	4.66E-07	6.08E-07	3.40E-05
3805	486363.09	3852377.25	5.40E-05	4.30E-10	6.34E-07	5.81E-07	5.52E-05	2.55E-05	1.77E-04	4.75E-05	2.13E-05	2.72E-04	2.42E-05	3.53E-10	6.34E-07	5.81E-07	2.54E-05
3806	486863.09	3852377.25	4.94E-05	4.27E-10	6.33E-07	5.83E-07	5.06E-05	2.33E-05	1.76E-04	4.75E-05	2.14E-05	2.68E-04	2.21E-05	3.51E-10	6.33E-07	5.83E-07	2.34E-05
3807	487363.09	3852377.25	4.52E-05	4.22E-10	4.37E-07	6.04E-07	4.63E-05	2.13E-05	1.74E-04	3.28E-05	2.21E-05	2.50E-04	2.03E-05	3.46E-10	4.37E-07	6.04E-07	2.13E-05
3808	487863.09	3852377.25	4.33E-05	4.17E-10	3.23E-07	6.28E-07	4.43E-05	2.04E-05	1.72E-04	2.42E-05	2.30E-05	2.40E-04	1.94E-05	3.43E-10	3.23E-07	6.28E-07	2.04E-05
3809	488363.09	3852377.25	4.20E-05	4.22E-10	3.50E-07	6.48E-07	4.30E-05	1.98E-05	1.74E-04	2.63E-05	2.37E-05	2.44E-04	1.88E-05	3.46E-10	3.50E-07	6.48E-07	1.98E-05
3810	488863.09	3852377.25	4.19E-05	4.24E-10	4.07E-07	6.70E-07	4.29E-05	1.97E-05	1.75E-04	3.05E-05	2.46E-05	2.49E-04	1.88E-05	3.48E-10	4.07E-07	6.70E-07	1.99E-05
3811	489363.09	3852377.25	4.51E-05	4.31E-10	4.13E-07	6.95E-07	4.62E-05	2.13E-05	1.78E-04	3.10E-05	2.55E-05	2.55E-04	2.02E-05	3.54E-10	4.13E-07	6.95E-07	2.13E-05
3812	489863.09	3852377.25	4.66E-05	4.30E-10	4.07E-07	7.08E-07	4.77E-05	2.20E-05	1.77E-04	3.06E-05	2.60E-05	2.56E-04	2.09E-05	3.53E-10	4.07E-07	7.08E-07	2.20E-05
3813	490363.09	3852377.25	5.65E-05	4.84E-10	4.03E-07	7.37E-07	5.76E-05	2.66E-05	1.99E-04	3.02E-05	2.70E-05	2.83E-04	2.53E-05	3.97E-10	4.03E-07	7.37E-07	2.65E-05
3814	490863.09	3852377.25	6.60E-05	5.33E-10	3.78E-07	7.68E-07	6.71E-05	3.11E-05	2.20E-04	2.83E-05	2.82E-05	3.07E-04	2.96E-05	4.37E-10	3.78E-07	7.68E-07	3.07E-05
3815	491363.09	3852377.25	8.29E-05	6.17E-10	4.01E-07	8.06E-07	8.41E-05	3.91E-05	2.54E-04	3.01E-05	2.96E-05	3.53E-04	3.72E-05	5.06E-10	4.01E-07	8.06E-07	3.84E-05
3816	491863.09	3852377.25	9.05E-05	6.55E-10	4.15E-07	8.30E-07	9.17E-05	4.27E-05	2.70E-04	3.11E-05	3.04E-05	3.74E-04	4.06E-05	5.37E-10	4.15E-07	8.30E-07	4.18E-05
3817	492363.09	3852377.25	9.64E-05	6.84E-10	4.79E-07	8.53E-07	9.77E-05	4.55E-05	2.82E-04	3.59E-05	3.13E-05	3.94E-04	4.32E-05	5.61E-10	4.79E-07	8.53E-07	4.46E-05
3818	492863.09	3852377.25	1.07E-04	7.34E-10	5.97E-07	8.83E-07	1.08E-04	5.04E-05	3.02E-04	4.48E-05	3.24E-05	4.30E-04	4.79E-05	6.02E-10	5.97E-07	8.83E-07	4.94E-05
3819	493363.09	3852377.25	1.23E-04	8.14E-10	7.34E-07	9.14E-07	1.25E-04	5.79E-05	3.35E-04	5.50E-05	3.35E-05	4.82E-04	5.51E-05	6.68E-10	7.34E-07	9.14E-07	5.68E-05
3820	493863.09	3852377.25	1.25E-04	8.30E-10	8.05E-07	9.23E-07	1.27E-04	5.89E-05	3.42E-04	6.04E-05	3.38E-05	4.95E-04	5.60E-05	6.81E-10	8.05E-07	9.23E-07	5.77E-05
3821	494363.09	3852377.25	1.26E-04	8.43E-10	7.95E-07	9.32E-07	1.27E-04	5.93E-05	3.47E-04	5.96E-05	3.42E-05	5.00E-04	5.63E-05	6.91E-10	7.95E-07	9.32E-07	5.81E-05
3822	494863.09	3852377.25	1.34E-04	8.92E-10	7.88E-07	9.49E-07	1.36E-04	6.31E-05	3.67E-04	5.91E-05	3.48E-05	5.24E-04	6.00E-05	7.32E-10	7.88E-07	9.49E-07	6.18E-05
3823	495363.09	3852377.25	1.42E-04	9.44E-10	7.93E-07	9.65E-07	1.44E-04	6.70E-05	3.89E-04	5.94E-05	3.54E-05	5.51E-04	6.37E-05	7.74E-10	7.93E-07	9.65E-07	6.55E-05
3824	495863.09	3852377.25	1.38E-04	9.33E-10	8.17E-07	9.65E-07	1.40E-04	6.50E-05	3.84E-04	6.13E-05	3.54E-05	5.46E-04	6.18E-05	7.65E-10	8.17E-07	9.65E-07	6.36E-05
3825	496363.09	3852377.25	1.33E-04	9.18E-10	8.73E-07	9.62E-07	1.35E-04	6.27E-05	3.78E-04	6.55E-05	3.53E-05	5.42E-04	5.96E-05	7.54E-10	8.73E-07	9.62E-07	6.15E-05
3826	496863.09	3852377.25	1.30E-04	9.14E-10	9.34E-07	9.58E-07	1.32E-04	6.11E-05	3.77E-04	7.00E-05	3.51E-05	5.43E-04	5.81E-05	7.50E-10	9.34E-07	9.58E-07	6.00E-05
3827	497363.09	3852377.25	1.18E-04	8.67E-10	9.70E-07	9.43E-07	1.20E-04	5.59E-05	3.57E-04	7.28E-05	3.46E-05	5.20E-04	5.31E-05	7.12E-10	9.70E-07	9.43E-07	5.50E-05
3828	497863.09	3852377.25	1.07E-04	8.22E-10	1.01E-06	9.34E-07	1.09E-04	5.04E-05	3.39E-04	7.58E-05	3.43E-05	4.99E-04	4.80E-05	6.75E-10	1.01E-06	9.34E-07	4.99E-05
3829	498363.09	3852377.25	9.66E-05	7.80E-10	1.04E-06	9.27E-07	9.86E-05	4.56E-05	3.21E-04	7.78E-05	3.40E-05	4.79E-04	4.33E-05	6.40E-10	1.04E-06	9.27E-07	4.53E-05
3830	471363.09	3852877.25	3.35E-05	3.36E-10	2.86E-07	2.95E-07	3.41E-05	1.58E-05	1.39E-04	2.14E-05	1.08E-05	1.87E-04	1.50E-05	2.76E-10	2.86E-07	2.95E-07	1.56E-05
3831	471863.09	3852877.25	3.65E-05	3.60E-10	2.89E-07	3.03E-07	3.71E-05	1.72E-05	1.48E-04	2.17E-05	1.11E-05	1.98E-04	1.64E-05	2.96E-10	2.89E-07	3.03E-07	1.70E-05
3832	472363.09	3852877.25	3.98E-05	3.85E-10	2.97E-07	3.10E-07	4.04E-05	1.88E-05	1.58E-04	2.23E-05	1.14E-05	2.11E-04	1.79E-05	3.16E-10	2.97E-07	3.10E-07	1.85E-05
3833	472863.09	3852877.25	4.24E-05	4.04E-10	3.05E-07	3.17E-07	4.30E-05	2.00E-05	1.67E-04	2.29E-05	1.16E-05	2.21E-04	1.90E-05	3.32E-10	3.05E-07	3.17E-07	1.96E-05
3834	473363.09	3852877.25	4.55E-05	4.26E-10	3.17E-07	3.24E-07	4.62E-05	2.15E-05	1.75E-04	2.38E-05	1.19E-05	2.33E-04	2.04E-05	3.49E-10	3.17E-07	3.24E-07	2.11E-05
3835	473863.09	3852877.25	4.95E-05	4.56E-10	3.33E-07	3.32E-07	5.02E-05	2.33E-05	1.88E-04	2.49E-05	1.22E-05	2.48E-04	2.22E-05	3.74E-10	3.33E-07	3.32E-07	2.29E-05
3836	474363.09	3852877.25	5.43E-05	4.91E-10	3.44E-07	3.42E-07	5.49E-05	2.56E-05	2.02E-04	2.58E-05	1.25E-05	2.66E-04	2.43E-05	4.03E-10	3.44E-07	3.42E-07	2.50E-05
3837	474863.09	3852877.25	5.27E-05	4.66E-10	3.42E-07	3.45E-07	5.34E-05	2.49E-05	1.92E-04	2.56E-05	1.27E-05	2.55E-04	2.36E-05	3.82E-10	3.42E-07	3.45E-07	2.43E-05
3838	475363.09	3852877.25	5.84E-05	5.16E-10	3.40E-07	3.55E-07	5.91E-05	2.75E-05	2.13E-04	2.55E-05	1.30E-05	2.79E-04	2.62E-05	4.24E-10	3.40E-07	3.55E-07	2.69E-05
3839	475863.09	3852877.25	6.10E-05	5.35E-10	3.27E-07	3.58E-07	6.17E-05	2.88E-05	2.21E-04	2.45E-05	1.31E-05	2.87E-04	2.74E-05	4.39E-10	3.27E-07	3.58E-07	2.81E-05

3840	476363.09	3852877.25	5.95E-05	5.18E-10	3.02E-07	3.57E-07	6.02E-05	2.81E-05	2.14E-04	2.26E-05	1.31E-05	2.77E-04	2.67E-05	4.25E-10	3.02E-07	3.57E-07	2.73E-05
3841	476863.09	3852877.25	5.40E-05	4.75E-10	2.69E-07	3.55E-07	5.47E-05	2.55E-05	1.96E-04	2.02E-05	1.30E-05	2.54E-04	2.42E-05	3.90E-10	2.69E-07	3.55E-07	2.49E-05
3842	477363.09	3852877.25	4.89E-05	4.40E-10	2.36E-07	3.56E-07	4.95E-05	2.31E-05	1.81E-04	1.77E-05	1.31E-05	2.35E-04	2.19E-05	3.61E-10	2.36E-07	3.56E-07	2.25E-05
3843	477863.09	3852877.25	4.34E-05	4.07E-10	2.12E-07	3.61E-07	4.39E-05	2.04E-05	1.68E-04	1.59E-05	1.32E-05	2.17E-04	1.94E-05	3.34E-10	2.12E-07	3.61E-07	2.00E-05
3844	478363.09	3852877.25	3.38E-05	3.63E-10	1.96E-07	3.66E-07	3.44E-05	1.59E-05	1.50E-04	1.47E-05	1.34E-05	1.94E-04	1.52E-05	2.98E-10	1.96E-07	3.66E-07	1.57E-05
3845	478863.09	3852877.25	4.08E-05	4.13E-10	2.05E-07	3.78E-07	4.14E-05	1.92E-05	1.70E-04	1.54E-05	1.39E-05	2.19E-04	1.83E-05	3.39E-10	2.05E-07	3.78E-07	1.89E-05
3846	479363.09	3852877.25	6.09E-05	4.92E-10	2.24E-07	3.92E-07	6.15E-05	2.87E-05	2.03E-04	1.68E-05	1.44E-05	2.63E-04	2.73E-05	4.04E-10	2.24E-07	3.92E-07	2.79E-05
3847	479863.09	3852877.25	1.05E-04	7.28E-10	2.39E-07	4.07E-07	1.06E-04	4.96E-05	3.00E-04	1.79E-05	1.49E-05	3.82E-04	4.72E-05	5.97E-10	2.39E-07	4.07E-07	4.78E-05
3848	480363.09	3852877.25	1.27E-04	1.31E-09	2.41E-07	4.12E-07	1.27E-04	5.98E-05	5.38E-04	1.81E-05	1.51E-05	6.31E-04	5.68E-05	1.07E-09	2.41E-07	4.12E-07	5.75E-05
3849	480863.09	3852877.25	1.33E-04	1.59E-09	2.47E-07	4.21E-07	1.34E-04	6.28E-05	6.55E-04	1.85E-05	1.54E-05	7.52E-04	5.98E-05	1.31E-09	2.47E-07	4.21E-07	6.04E-05
3850	481363.09	3852877.25	1.31E-04	1.72E-09	2.59E-07	4.34E-07	1.32E-04	6.19E-05	7.10E-04	1.94E-05	1.59E-05	8.07E-04	5.88E-05	1.41E-09	2.59E-07	4.34E-07	5.95E-05
3851	481863.09	3852877.25	1.32E-04	1.62E-09	2.64E-07	4.72E-07	1.33E-04	6.24E-05	6.69E-04	1.98E-05	1.73E-05	7.69E-04	5.93E-05	1.33E-09	2.64E-07	4.72E-07	6.00E-05
3852	482363.09	3852877.25	1.80E-04	1.51E-09	2.64E-07	5.11E-07	1.80E-04	8.48E-05	6.23E-04	1.98E-05	1.87E-05	7.46E-04	8.06E-05	1.24E-09	2.64E-07	5.11E-07	8.14E-05
3853	482863.09	3852877.25	2.06E-04	1.34E-09	2.65E-07	5.38E-07	2.07E-04	9.72E-05	5.53E-04	1.99E-05	1.97E-05	6.90E-04	9.24E-05	1.10E-09	2.65E-07	5.38E-07	9.32E-05
3854	483363.09	3852877.25	1.73E-04	9.74E-10	3.05E-07	5.54E-07	1.74E-04	8.16E-05	4.01E-04	2.29E-05	2.03E-05	5.26E-04	7.76E-05	7.99E-10	3.05E-07	5.54E-07	7.85E-05
3855	483863.09	3852877.25	1.28E-04	6.38E-10	4.24E-07	5.80E-07	1.29E-04	6.03E-05	2.63E-04	3.18E-05	2.12E-05	3.76E-04	5.73E-05	5.23E-10	4.24E-07	5.80E-07	5.83E-05
3856	484363.09	3852877.25	1.36E-04	6.81E-10	3.54E-07	5.65E-07	1.37E-04	6.42E-05	2.81E-04	2.65E-05	2.07E-05	3.92E-04	6.10E-05	5.59E-10	3.54E-07	5.65E-07	6.19E-05
3857	484863.09	3852877.25	1.30E-04	7.03E-10	4.46E-07	5.87E-07	1.31E-04	6.11E-05	2.90E-04	3.34E-05	2.15E-05	4.06E-04	5.81E-05	5.77E-10	4.46E-07	5.87E-07	5.92E-05
3858	485363.09	3852877.25	8.76E-05	5.41E-10	5.43E-07	6.64E-07	8.88E-05	4.13E-05	2.23E-04	4.08E-05	2.43E-05	3.29E-04	3.93E-05	4.44E-10	5.43E-07	6.64E-07	4.05E-05
3859	485863.09	3852877.25	7.00E-05	5.08E-10	4.57E-07	6.85E-07	7.12E-05	3.30E-05	2.09E-04	3.43E-05	2.51E-05	3.02E-04	3.14E-05	4.17E-10	4.57E-07	6.85E-07	3.25E-05
3860	486363.09	3852877.25	5.55E-05	4.88E-10	5.97E-07	6.96E-07	5.68E-05	2.62E-05	2.01E-04	4.48E-05	2.55E-05	2.97E-04	2.49E-05	4.00E-10	5.97E-07	6.96E-07	2.62E-05
3861	486863.09	3852877.25	5.44E-05	5.08E-10	6.25E-07	7.30E-07	5.57E-05	2.56E-05	2.09E-04	4.69E-05	2.68E-05	3.09E-04	2.44E-05	4.17E-10	6.25E-07	7.30E-07	2.57E-05
3862	487363.09	3852877.25	5.12E-05	5.14E-10	4.68E-07	7.48E-07	5.24E-05	2.42E-05	2.12E-04	3.51E-05	2.74E-05	2.98E-04	2.30E-05	4.22E-10	4.68E-07	7.48E-07	2.42E-05
3863	487863.09	3852877.25	5.24E-05	5.25E-10	3.53E-07	7.75E-07	5.35E-05	2.47E-05	2.16E-04	2.65E-05	2.84E-05	2.96E-04	2.35E-05	4.30E-10	3.53E-07	7.75E-07	2.46E-05
3864	488363.09	3852877.25	4.44E-05	4.66E-10	3.80E-07	7.66E-07	4.56E-05	2.09E-05	1.92E-04	2.85E-05	2.81E-05	2.70E-04	1.99E-05	3.83E-10	3.80E-07	7.66E-07	2.11E-05
3865	488863.09	3852877.25	5.51E-05	5.21E-10	4.42E-07	8.08E-07	5.64E-05	2.60E-05	2.15E-04	3.32E-05	2.96E-05	3.04E-04	2.47E-05	4.28E-10	4.42E-07	8.08E-07	2.60E-05
3866	489363.09	3852877.25	6.41E-05	5.54E-10	4.46E-07	8.37E-07	6.54E-05	3.02E-05	2.28E-04	3.34E-05	3.07E-05	3.23E-04	2.88E-05	4.55E-10	4.46E-07	8.37E-07	3.00E-05
3867	489863.09	3852877.25	7.35E-05	5.90E-10	4.46E-07	8.63E-07	7.48E-05	3.46E-05	2.43E-04	3.34E-05	3.16E-05	3.43E-04	3.29E-05	4.84E-10	4.46E-07	8.63E-07	3.43E-05
3868	490363.09	3852877.25	1.01E-04	7.23E-10	4.68E-07	9.17E-07	1.02E-04	4.76E-05	2.98E-04	3.51E-05	3.36E-05	4.14E-04	4.53E-05	5.94E-10	4.68E-07	9.17E-07	4.67E-05
3869	490863.09	3852877.25	1.18E-04	7.97E-10	4.55E-07	9.55E-07	1.19E-04	5.55E-05	3.29E-04	3.41E-05	3.50E-05	4.53E-04	5.27E-05	6.54E-10	4.55E-07	9.55E-07	5.41E-05
3870	491363.09	3852877.25	1.33E-04	8.73E-10	4.64E-07	9.89E-07	1.35E-04	6.29E-05	3.60E-04	3.48E-05	3.63E-05	4.94E-04	5.99E-05	7.17E-10	4.64E-07	9.89E-07	6.13E-05
3871	491863.09	3852877.25	1.43E-04	9.17E-10	5.11E-07	1.01E-06	1.44E-04	6.74E-05	3.78E-04	3.83E-05	3.71E-05	5.20E-04	6.41E-05	7.52E-10	5.11E-07	1.01E-06	6.56E-05
3872	492363.09	3852877.25	1.54E-04	9.62E-10	6.49E-07	1.03E-06	1.55E-04	7.24E-05	3.96E-04	4.87E-05	3.78E-05	5.55E-04	6.89E-05	7.89E-10	6.49E-07	1.03E-06	7.06E-05
3873	492863.09	3852877.25	1.72E-04	1.04E-09	8.68E-07	1.06E-06	1.74E-04	8.10E-05	4.29E-04	6.51E-05	3.89E-05	6.14E-04	7.70E-05	8.55E-10	8.68E-07	1.06E-06	7.90E-05
3874	493363.09	3852877.25	1.84E-04	1.11E-09	1.01E-06	1.08E-06	1.86E-04	8.66E-05	4.55E-04	7.56E-05	3.95E-05	6.57E-04	8.24E-05	9.07E-10	1.01E-06	1.08E-06	8.45E-05
3875	493863.09	3852877.25	1.83E-04	1.12E-09	9.59E-07	1.07E-06	1.85E-04	8.65E-05	4.61E-04	7.19E-05	3.92E-05	6.59E-04	8.22E-05	9.19E-10	9.59E-07	1.07E-06	8.43E-05
3876	494363.09	3852877.25	1.83E-04	1.13E-09	9.07E-07	1.08E-06	1.85E-04	8.65E-05	4.67E-04	6.80E-05	3.94E-05	6.61E-04	8.22E-05	9.30E-10	9.07E-07	1.08E-06	8.42E-05
3877	494863.09	3852877.25	1.87E-04	1.16E-09	8.98E-07	1.08E-06	1.89E-04	8.80E-05	4.79E-04	6.74E-05	3.98E-05	6.75E-04	8.37E-05	9.55E-10	8.98E-07	1.08E-06	8.56E-05
3878	495363.09	3852877.25	1.78E-04	1.14E-09	9.41E-07	1.08E-06	1.80E-04	8.38E-05	4.68E-04	7.05E-05	3.96E-05	6.62E-04	7.97E-05	9.33E-10	9.41E-07	1.08E-06	8.17E-05
3879	495863.09	3852877.25	1.68E-04	1.11E-09	1.01E-06	1.07E-06	1.70E-04	7.93E-05	4.56E-04	7.60E-05	3.93E-05	6.51E-04	7.54E-05	9.09E-10	1.01E-06	1.07E-06	7.75E-05
3880	496363.09	3852877.25	1.65E-04	1.11E-09	1.10E-06	1.07E-06	1.67E-04	7.79E-05	4.58E-04	8.22E-05	3.92E-05	6.57E-04	7.40E-05	9.12E-10	1.10E-06	1.07E-06	7.62E-05
3881	496863.09	3852877.25	1.57E-04	1.09E-09	1.16E-06	1.06E-06	1.59E-04	7.41E-05	4.51E-04	8.73E-05	3.89E-05	6.51E-04	7.04E-05	8.98E-10	1.16E-06	1.06E-06	7.27E-05
3882	497363.09	3852877.25	1.36E-04	9.98E-10	1.19E-06	1.04E-06	1.38E-04	6.40E-05	4.11E-04	8.96E-05	3.80E-05	6.03E-04	6.08E-05	8.19E-10	1.19E-06	1.04E-06	6.30E-05
3883	497863.09	3852877.25	1.04E-04	8.40E-10	1.19E-06	1.00E-06	1.06E-04	4.90E-05	3.46E-04	8.92E-05	3.67E-05	5.21E-04	4.66E-05	6.90E-10	1.19E-06	1.00E-06	4.88E-05
3884	498363.09	3852877.25	9.78E-05	8.20E-10	1.26E-06	9.93E-07	1.00E-04	4.61E-05	3.38E-04	9.45E-05	3.64E-05	5.15E-04	4.39E-05	6.73E-10	1.26E-06	9.93E-07	4.61E-05
3885	471363.09	3853377.25	3.51E-05	3.63E-10	3.17E-07	3.03E-07	3.58E-05	1.66E-05	1.50E-04	2.38E-05	1.11E-05	2.01E-04	1.58E-05	2.98E-10	3.17E-07	3.03E-07	1.64E-05
3886	471863.09	3853377.25	3.86E-05	3.85E-10	3.23E-07	3.14E-07	3.93E-05	1.82E-05	1.58E-04	2.42E-05	1.15E-05	2.12E-04	1.73E-05	3.16E-10	3.23E-07	3.14E-07	1.80E-05
3887	472363.09	3853377.25	4.16E-05	4.06E-10	3.26E-07	3.25E-07	4.22E-05	1.96E-05	1.67E-04	2.44E-05	1.19E-05	2.23E-04	1.86E-05	3.33E-10	3.26E-07	3.25E-07	1.93E-05
3888	472863.09	3853377.25	4.45E-05	4.29E-10	3.27E-07	3.36E-07	4.52E-05	2.10E-05	1.77E-04	2.46E-05	1.23E-05	2.35E-04	2.00E-05	3.52E-10	3.27E-07	3.36E-07	2.06E-05
3889	473363.09	3853377.25	4.70E-05	4.46E-10	3.28E-07	3.44E-07	4.76E-05	2.22E-05	1.84E-04	2.46E-05	1.26E-05	2.43E-04	2.11E-05	3.66E-10	3.28E-07	3.44E-07	2.17E-05
3890	473863.09	3853377.25	4.98E-05	4.65E-10	3.33E-07	3.51E-07	5.05E-05	2.35E-05	1.92E-04	2.49E-05	1.29E-05	2.53E-04	2.23E-05	3.81E-10	3.33E-07	3.51E-07	2.30E-05
3891	474363.09	3853377.25	5.28E-05	4.82E-10	3.41E-07	3.57E-07	5.35E-05	2.49E-05	1.98E-04	2.56E-05	1.31E-05	2.62E-04	2.37E-05	3.95E-10	3.41E-07	3.57E-07	2.44E-05
3892	474863.09	3853377.25	5.35E-05	4.73E-10	3.50E-07	3.62E-07	5.42E-05	2.52E-05	1.95E-04	2.63E-05	1.33E-05	2.59E-04	2.40E-05	3.88E-10	3.50E-07	3.62E-07	2.47E-05
3893	475363.09	3853377.25	5.53E-05	4.75E-10	3.61E-07	3.69E-07	5.61E-05	2.61E-05	1.96E-04	2.70E-05	1.35E-05	2.62E-04	2.48E-05	3.90E-10	3.61E-07	3.69E-07	2.55E-05
3894	475863.09	3853377.25	5.66E-05	4.77E-10	3.66E-07	3.78E-07	5.74E-05	2.67E-05	1.97E-04	2.74E-05	1.39E-05	2.65E-04	2.54E-05	3.92E-10	3.66E-07	3.78E-07	2.61E-05
3895	476363.09	3853377.25	5.35E-05	4.54E-10	3.52E-07	3.83E-07	5.43E-05	2.52E-05	1.87E-04	2.64E-05	1.41E-05	2.53E-04	2.40E-05	3.73E-10	3.52E-07	3.83E-07	2.47E-05
3896	476863.09	3853377.25	4.65E-05	4.13E-10	3.22E-07	3.86E-07	4.72E-05	2.19E-05	1.70E-04	2.42E-05	1.41E-05	2.30E-04	2.09E-05	3.39E-10	3.22E-07	3.86E-07	2.16E-05
3897	477363.09	3853377.25	4.58E-05	4.16E-10	2.99E-07	3.90E-07	4.65E-05	2.16E-05	1.71E-04	2.25E-05	1.43E-05	2.30E-04	2.05E-05	3.41E-10	2.99E-07	3.90E-07	2.12E-05
3898	477863.09	3853377.25	4.61E-05	4.27E-10	2.74E-07	3.95E-07	4.67E-05	2.17E-05	1.76E-04	2.05E-05	1.45E-05	2.33E-04	2.07E-05	3.51E-10	2.74E-07	3.95E-07	2.13E-05
3899	478363.09	3853377.25	3.91E-05	3.90E-10	2.36E-07	4.00E-07	3.97E-05	1.84E-05	1.61E-04	1.77E-05	1.47E-05	2.11E-04	1.75E-05	3.20E-10	2.36E-07	4.00E-07	1.82E-05
3900	478863.09	3853377.25	3.04E-05	3.45E-10	2.11E-07	4.06E-07	3.10E-05	1.43E-05	1.42E-04	1.58E-05	1.49E-05	1.87E-04	1.36E-05	2.83E-10	2.11E-07	4.06E-07	1.42E-05

3901	479363.09	3853377.25	4.95E-05	4.76E-10	2.22E-07	4.31E-07	5.02E-05	2.34E-05	1.96E-04	1.66E-05	1.58E-05	2.52E-04	2.22E-05	3.90E-10	2.22E-07	4.31E-07	2.29E-05
3902	479863.09	3853377.25	7.62E-05	6.16E-10	2.38E-07	4.52E-07	7.69E-05	3.60E-05	2.54E-04	1.79E-05	1.66E-05	3.24E-04	3.42E-05	5.06E-10	2.38E-07	4.52E-07	3.49E-05
3903	480363.09	3853377.25	1.25E-04	9.30E-10	2.52E-07	4.71E-07	1.26E-04	5.89E-05	3.83E-04	1.89E-05	1.73E-05	4.78E-04	5.60E-05	7.63E-10	2.52E-07	4.71E-07	5.67E-05
3904	480863.09	3853377.25	1.40E-04	9.50E-10	2.59E-07	4.83E-07	1.41E-04	6.61E-05	3.91E-04	1.94E-05	1.77E-05	4.94E-04	6.29E-05	7.79E-10	2.59E-07	4.83E-07	6.36E-05
3905	481363.09	3853377.25	1.74E-04	1.56E-09	2.64E-07	5.11E-07	1.74E-04	8.19E-05	6.41E-04	1.98E-05	1.87E-05	7.61E-04	7.78E-05	1.28E-09	2.64E-07	5.11E-07	7.86E-05
3906	481863.09	3853377.25	1.77E-04	2.13E-09	2.81E-07	5.38E-07	1.77E-04	8.33E-05	8.77E-04	2.10E-05	1.97E-05	1.00E-03	7.92E-05	1.75E-09	2.81E-07	5.38E-07	8.00E-05
3907	482363.09	3853377.25	1.77E-04	1.94E-09	2.88E-07	5.98E-07	1.77E-04	8.33E-05	7.98E-04	2.16E-05	2.19E-05	9.25E-04	7.92E-05	1.59E-09	2.88E-07	5.98E-07	8.01E-05
3908	482863.09	3853377.25	2.38E-04	1.88E-09	2.90E-07	6.57E-07	2.38E-04	1.12E-04	7.73E-04	2.18E-05	2.41E-05	9.31E-04	1.07E-04	1.54E-09	2.90E-07	6.57E-07	1.07E-04
3909	483363.09	3853377.25	2.73E-04	1.35E-09	2.91E-07	6.54E-07	2.74E-04	1.29E-04	5.58E-04	2.18E-05	2.40E-05	7.32E-04	1.23E-04	1.11E-09	2.91E-07	6.54E-07	1.23E-04
3910	483863.09	3853377.25	2.25E-04	1.07E-09	3.44E-07	6.94E-07	2.27E-04	1.06E-04	4.43E-04	2.58E-05	2.54E-05	6.00E-04	1.01E-04	8.82E-10	3.44E-07	6.94E-07	1.02E-04
3911	484363.09	3853377.25	2.06E-04	1.01E-09	3.94E-07	6.89E-07	2.08E-04	9.74E-05	4.15E-04	2.95E-05	2.53E-05	5.67E-04	9.26E-05	8.27E-10	3.94E-07	6.89E-07	9.37E-05
3912	484863.09	3853377.25	1.61E-04	7.88E-10	4.04E-07	7.84E-07	1.62E-04	7.61E-05	3.25E-04	3.03E-05	2.87E-05	4.60E-04	7.23E-05	6.47E-10	4.04E-07	7.84E-07	7.35E-05
3913	485363.09	3853377.25	8.99E-05	6.09E-10	6.10E-07	8.41E-07	9.14E-05	4.24E-05	2.51E-04	4.57E-05	3.08E-05	3.70E-04	4.03E-05	5.00E-10	6.10E-07	8.41E-07	4.18E-05
3914	485863.09	3853377.25	5.94E-05	5.45E-10	4.44E-07	8.35E-07	6.07E-05	2.80E-05	2.25E-04	3.33E-05	3.06E-05	3.17E-04	2.66E-05	4.47E-10	4.44E-07	8.35E-07	2.79E-05
3915	486363.09	3853377.25	6.28E-05	6.13E-10	5.37E-07	9.04E-07	6.43E-05	2.96E-05	2.53E-04	4.03E-05	3.32E-05	3.56E-04	2.82E-05	5.03E-10	5.37E-07	9.04E-07	2.96E-05
3916	486863.09	3853377.25	6.68E-05	6.71E-10	6.31E-07	9.41E-07	6.83E-05	3.15E-05	2.77E-04	4.73E-05	3.45E-05	3.90E-04	2.99E-05	5.51E-10	6.31E-07	9.41E-07	3.15E-05
3917	487363.09	3853377.25	7.96E-05	7.49E-10	5.66E-07	9.67E-07	8.11E-05	3.75E-05	3.08E-04	4.25E-05	3.55E-05	4.24E-04	3.57E-05	6.14E-10	5.66E-07	9.67E-07	3.72E-05
3918	487863.09	3853377.25	9.74E-05	8.12E-10	4.01E-07	9.95E-07	9.88E-05	4.60E-05	3.35E-04	3.00E-05	3.65E-05	4.47E-04	4.37E-05	6.66E-10	4.01E-07	9.95E-07	4.51E-05
3919	488363.09	3853377.25	1.19E-04	8.93E-10	4.29E-07	1.05E-06	1.21E-04	5.62E-05	3.68E-04	3.22E-05	3.84E-05	4.95E-04	5.34E-05	7.33E-10	4.29E-07	1.05E-06	5.49E-05
3920	488863.09	3853377.25	1.37E-04	9.41E-10	5.06E-07	1.10E-06	1.39E-04	6.47E-05	3.88E-04	3.80E-05	4.04E-05	5.31E-04	6.15E-05	7.72E-10	5.06E-07	1.10E-06	6.31E-05
3921	489363.09	3853377.25	1.53E-04	9.79E-10	5.43E-07	1.12E-06	1.55E-04	7.22E-05	4.04E-04	4.07E-05	4.12E-05	5.58E-04	6.86E-05	8.04E-10	5.43E-07	1.12E-06	7.03E-05
3922	489863.09	3853377.25	1.62E-04	1.01E-09	5.98E-07	1.13E-06	1.63E-04	7.62E-05	4.16E-04	4.48E-05	4.16E-05	5.79E-04	7.24E-05	8.29E-10	5.98E-07	1.13E-06	7.42E-05
3923	490363.09	3853377.25	1.83E-04	1.10E-09	6.06E-07	1.17E-06	1.85E-04	8.63E-05	4.54E-04	4.55E-05	4.28E-05	6.29E-04	8.21E-05	9.05E-10	6.06E-07	1.17E-06	8.38E-05
3924	490863.09	3853377.25	2.01E-04	1.17E-09	5.78E-07	1.20E-06	2.03E-04	9.49E-05	4.81E-04	4.34E-05	4.39E-05	6.63E-04	9.03E-05	9.57E-10	5.78E-07	1.20E-06	9.20E-05
3925	491363.09	3853377.25	2.17E-04	1.23E-09	5.49E-07	1.21E-06	2.19E-04	1.03E-04	5.07E-04	4.11E-05	4.44E-05	6.96E-04	9.75E-05	1.01E-09	5.49E-07	1.21E-06	9.92E-05
3926	491863.09	3853377.25	2.30E-04	1.29E-09	7.02E-07	1.22E-06	2.32E-04	1.08E-04	5.30E-04	5.27E-05	4.46E-05	7.35E-04	1.03E-04	1.05E-09	7.02E-07	1.22E-06	1.05E-04
3927	492363.09	3853377.25	2.48E-04	1.36E-09	9.61E-07	1.23E-06	2.50E-04	1.17E-04	5.62E-04	7.21E-05	4.50E-05	7.96E-04	1.11E-04	1.12E-09	9.61E-07	1.23E-06	1.13E-04
3928	492863.09	3853377.25	2.63E-04	1.44E-09	1.19E-06	1.24E-06	2.65E-04	1.24E-04	5.94E-04	8.96E-05	4.55E-05	8.53E-04	1.18E-04	1.18E-09	1.19E-06	1.24E-06	1.20E-04
3929	493363.09	3853377.25	2.63E-04	1.48E-09	1.16E-06	1.24E-06	2.65E-04	1.24E-04	6.09E-04	8.68E-05	4.53E-05	8.65E-04	1.18E-04	1.21E-09	1.16E-06	1.24E-06	1.20E-04
3930	493863.09	3853377.25	2.60E-04	1.49E-09	1.09E-06	1.24E-06	2.62E-04	1.23E-04	6.14E-04	8.15E-05	4.54E-05	8.64E-04	1.17E-04	1.22E-09	1.09E-06	1.24E-06	1.19E-04
3931	494363.09	3853377.25	2.49E-04	1.46E-09	1.05E-06	1.23E-06	2.51E-04	1.17E-04	6.02E-04	7.86E-05	4.52E-05	8.44E-04	1.12E-04	1.20E-09	1.05E-06	1.23E-06	1.14E-04
3932	494863.09	3853377.25	2.34E-04	1.42E-09	1.14E-06	1.22E-06	2.37E-04	1.10E-04	5.84E-04	8.57E-05	4.48E-05	8.25E-04	1.05E-04	1.16E-09	1.14E-06	1.22E-06	1.07E-04
3933	495363.09	3853377.25	2.26E-04	1.41E-09	1.26E-06	1.22E-06	2.28E-04	1.07E-04	5.79E-04	9.46E-05	4.46E-05	8.25E-04	1.01E-04	1.15E-09	1.26E-06	1.22E-06	1.04E-04
3934	495863.09	3853377.25	2.13E-04	1.37E-09	1.34E-06	1.20E-06	2.16E-04	1.00E-04	5.64E-04	1.00E-04	4.39E-05	8.09E-04	9.55E-05	1.12E-09	1.34E-06	1.20E-06	9.81E-05
3935	496363.09	3853377.25	1.95E-04	1.31E-09	1.39E-06	1.17E-06	1.98E-04	9.21E-05	5.39E-04	1.04E-04	4.30E-05	7.78E-04	8.76E-05	1.07E-09	1.39E-06	1.17E-06	9.01E-05
3936	496863.09	3853377.25	1.71E-04	1.21E-09	1.44E-06	1.14E-06	1.74E-04	8.09E-05	4.98E-04	1.08E-04	4.20E-05	7.29E-04	7.69E-05	9.93E-10	1.44E-06	1.14E-06	7.95E-05
3937	497363.09	3853377.25	1.43E-04	1.08E-09	1.48E-06	1.11E-06	1.46E-04	6.75E-05	4.47E-04	1.11E-04	4.08E-05	6.66E-04	6.42E-05	8.90E-10	1.48E-06	1.11E-06	6.67E-05
3938	497863.09	3853377.25	9.79E-05	8.38E-10	1.43E-06	1.04E-06	1.00E-04	4.62E-05	3.45E-04	1.07E-04	3.82E-05	5.37E-04	4.39E-05	6.88E-10	1.43E-06	1.04E-06	4.64E-05
3939	498363.09	3853377.25	7.76E-05	7.21E-10	1.43E-06	9.89E-07	8.00E-05	3.66E-05	2.97E-04	1.07E-04	3.62E-05	4.77E-04	3.48E-05	5.92E-10	1.43E-06	9.89E-07	3.72E-05
3940	471363.09	3853877.25	3.45E-05	3.90E-10	3.37E-07	3.02E-07	3.51E-05	1.62E-05	1.61E-04	2.53E-05	1.11E-05	2.13E-04	1.55E-05	3.20E-10	3.37E-07	3.02E-07	1.61E-05
3941	471863.09	3853877.25	3.86E-05	4.19E-10	3.56E-07	3.14E-07	3.93E-05	1.82E-05	1.73E-04	2.67E-05	1.15E-05	2.29E-04	1.73E-05	3.44E-10	3.56E-07	3.14E-07	1.80E-05
3942	472363.09	3853877.25	4.14E-05	4.33E-10	3.65E-07	3.26E-07	4.21E-05	1.95E-05	1.78E-04	2.74E-05	1.20E-05	2.37E-04	1.86E-05	3.55E-10	3.65E-07	3.26E-07	1.93E-05
3943	472863.09	3853877.25	4.49E-05	4.52E-10	3.73E-07	3.40E-07	4.56E-05	2.12E-05	1.86E-04	2.79E-05	1.25E-05	2.48E-04	2.01E-05	3.71E-10	3.73E-07	3.40E-07	2.08E-05
3944	473363.09	3853877.25	4.74E-05	4.61E-10	3.72E-07	3.53E-07	4.82E-05	2.24E-05	1.90E-04	2.79E-05	1.29E-05	2.53E-04	2.13E-05	3.78E-10	3.72E-07	3.53E-07	2.20E-05
3945	473863.09	3853877.25	5.01E-05	4.74E-10	3.69E-07	3.65E-07	5.08E-05	2.36E-05	1.95E-04	2.77E-05	1.34E-05	2.60E-04	2.25E-05	3.89E-10	3.69E-07	3.65E-07	2.32E-05
3946	474363.09	3853877.25	5.34E-05	4.95E-10	3.68E-07	3.78E-07	5.42E-05	2.52E-05	2.04E-04	2.76E-05	1.39E-05	2.71E-04	2.40E-05	4.07E-10	3.68E-07	3.78E-07	2.47E-05
3947	474863.09	3853877.25	5.60E-05	5.11E-10	3.67E-07	3.89E-07	5.68E-05	2.64E-05	2.10E-04	2.76E-05	1.43E-05	2.79E-04	2.51E-05	4.19E-10	3.67E-07	3.89E-07	2.59E-05
3948	475363.09	3853877.25	5.51E-05	4.95E-10	3.67E-07	3.93E-07	5.59E-05	2.60E-05	2.04E-04	2.75E-05	1.44E-05	2.72E-04	2.47E-05	4.07E-10	3.67E-07	3.93E-07	2.55E-05
3949	475863.09	3853877.25	4.81E-05	4.48E-10	3.63E-07	3.94E-07	4.88E-05	2.27E-05	1.85E-04	2.72E-05	1.45E-05	2.49E-04	2.16E-05	3.68E-10	3.63E-07	3.94E-07	2.23E-05
3950	476363.09	3853877.25	4.09E-05	4.05E-10	3.58E-07	3.98E-07	4.16E-05	1.93E-05	1.67E-04	2.69E-05	1.46E-05	2.28E-04	1.83E-05	3.33E-10	3.58E-07	3.98E-07	1.91E-05
3951	476863.09	3853877.25	3.30E-05	3.59E-10	3.35E-07	4.04E-07	3.38E-05	1.56E-05	1.48E-04	2.51E-05	1.48E-05	2.04E-04	1.48E-05	2.95E-10	3.35E-07	4.04E-07	1.56E-05
3952	477363.09	3853877.25	3.65E-05	3.79E-10	3.31E-07	4.17E-07	3.73E-05	1.72E-05	1.56E-04	2.48E-05	1.53E-05	2.14E-04	1.64E-05	3.11E-10	3.31E-07	4.17E-07	1.71E-05
3953	477863.09	3853877.25	4.22E-05	4.17E-10	3.28E-07	4.31E-07	4.30E-05	1.99E-05	1.72E-04	2.46E-05	1.58E-05	2.32E-04	1.89E-05	3.42E-10	3.28E-07	4.31E-07	1.97E-05
3954	478363.09	3853877.25	4.50E-05	4.40E-10	3.13E-07	4.45E-07	4.58E-05	2.12E-05	1.81E-04	2.35E-05	1.63E-05	2.42E-04	2.02E-05	3.61E-10	3.13E-07	4.45E-07	2.09E-05
3955	478863.09	3853877.25	3.27E-05	3.69E-10	2.69E-07	4.53E-07	3.34E-05	1.54E-05	1.52E-04	2.02E-05	1.66E-05	2.04E-04	1.47E-05	3.02E-10	2.69E-07	4.53E-07	1.54E-05
3956	479363.09	3853877.25	4.38E-05	4.49E-10	2.60E-07	4.73E-07	4.46E-05	2.07E-05	1.85E-04	1.95E-05	1.73E-05	2.42E-04	1.97E-05	3.68E-10	2.60E-07	4.73E-07	2.04E-05
3957	479863.09	3853877.25	7.93E-05	6.57E-10	2.70E-07	5.07E-07	8.01E-05	3.74E-05	2.71E-04	2.03E-05	1.86E-05	3.47E-04	3.56E-05	5.39E-10	2.70E-07	5.07E-07	3.64E-05
3958	480363.09	3853877.25	1.14E-04	8.40E-10	2.65E-07	5.47E-07	1.15E-04	5.38E-05	3.46E-04	1.99E-05	2.00E-05	4.40E-04	5.12E-05	6.89E-10	2.65E-07	5.47E-07	5.20E-05
3959	480863.09	3853877.25	1.62E-04	1.25E-09	2.70E-07	5.77E-07	1.63E-04	7.65E-05	5.13E-04	2.03E-05	2.12E-05	6.31E-04	7.27E-05	1.02E-09	2.70E-07	5.77E-07	7.36E-05
3960	481363.09	3853877.25	1.93E-04	1.73E-09	2.82E-07	6.11E-07	1.94E-04	9.09E-05	7.14E-04	2.11E-05	2.24E-05	8.49E-04	8.65E-05	1.42E-09	2.82E-07	6.11E-07	8.74E-05
3961	481863.09	3853877.25	2.20E-04	2.86E-09	2.98E-07	6.85E-07	2.21E-04	1.04E-04	1.18E-03	2.23E-05	2.51E-05	1.33E-03	9.85E-05	2.34E-09	2.98E-07	6.85E-07	9.95E-05

3962	482363.09	3853877.25	2.48E-04	2.72E-09	3.07E-07	7.72E-07	2.49E-04	1.17E-04	1.12E-03	2.30E-05	2.83E-05	1.29E-03	1.11E-04	2.23E-09	3.07E-07	7.72E-07	1.12E-04
3963	482863.09	3853877.25	2.65E-04	2.35E-09	3.14E-07	8.90E-07	2.66E-04	1.25E-04	9.66E-04	2.35E-05	3.26E-05	1.15E-03	1.19E-04	1.92E-09	3.14E-07	8.90E-07	1.20E-04
3964	483363.09	3853877.25	3.55E-04	1.82E-09	3.16E-07	8.70E-07	3.56E-04	1.68E-04	7.49E-04	2.37E-05	3.19E-05	9.72E-04	1.59E-04	1.49E-09	3.16E-07	8.70E-07	1.61E-04
3965	483863.09	3853877.25	3.91E-04	1.60E-09	3.22E-07	9.44E-07	3.93E-04	1.85E-04	6.59E-04	2.42E-05	3.46E-05	9.02E-04	1.75E-04	1.31E-09	3.22E-07	9.44E-07	1.77E-04
3966	484363.09	3853877.25	2.93E-04	1.21E-09	4.07E-07	1.06E-06	2.95E-04	1.38E-04	4.99E-04	3.05E-05	3.87E-05	7.07E-04	1.31E-04	9.95E-10	4.07E-07	1.06E-06	1.33E-04
3967	484863.09	3853877.25	1.86E-04	9.76E-10	4.98E-07	1.19E-06	1.87E-04	8.76E-05	4.02E-04	3.74E-05	4.37E-05	5.71E-04	8.33E-05	8.01E-10	4.98E-07	1.19E-06	8.49E-05
3968	485363.09	3853877.25	9.77E-05	8.17E-10	4.73E-07	1.20E-06	9.94E-05	4.61E-05	3.36E-04	3.55E-05	4.39E-05	4.62E-04	4.38E-05	6.70E-10	4.73E-07	1.20E-06	4.55E-05
3969	485863.09	3853877.25	1.10E-04	9.68E-10	6.28E-07	1.26E-06	1.12E-04	5.19E-05	3.99E-04	4.71E-05	4.64E-05	5.44E-04	4.94E-05	7.94E-10	6.28E-07	1.26E-06	5.12E-05
3970	486363.09	3853877.25	1.13E-04	1.04E-09	5.57E-07	1.27E-06	1.15E-04	5.32E-05	4.27E-04	4.18E-05	4.65E-05	5.69E-04	5.06E-05	8.51E-10	5.57E-07	1.27E-06	5.24E-05
3971	486863.09	3853877.25	1.25E-04	1.08E-09	7.27E-07	1.26E-06	1.27E-04	5.91E-05	4.44E-04	5.45E-05	4.63E-05	6.04E-04	5.62E-05	8.84E-10	7.27E-07	1.26E-06	5.82E-05
3972	487363.09	3853877.25	1.59E-04	1.18E-09	7.31E-07	1.32E-06	1.62E-04	7.52E-05	4.86E-04	5.49E-05	4.85E-05	6.65E-04	7.15E-05	9.69E-10	7.31E-07	1.32E-06	7.36E-05
3973	487863.09	3853877.25	2.16E-04	1.34E-09	4.76E-07	1.40E-06	2.18E-04	1.02E-04	5.54E-04	3.57E-05	5.12E-05	7.43E-04	9.69E-05	1.10E-09	4.76E-07	1.40E-06	9.88E-05
3974	488363.09	3853877.25	2.56E-04	1.45E-09	4.93E-07	1.42E-06	2.57E-04	1.21E-04	5.96E-04	3.70E-05	5.22E-05	8.05E-04	1.15E-04	1.19E-09	4.93E-07	1.42E-06	1.17E-04
3975	488863.09	3853877.25	3.04E-04	1.58E-09	5.79E-07	1.49E-06	3.06E-04	1.43E-04	6.51E-04	4.34E-05	5.46E-05	8.92E-04	1.36E-04	1.30E-09	5.79E-07	1.49E-06	1.38E-04
3976	489363.09	3853877.25	3.07E-04	1.57E-09	6.80E-07	1.48E-06	3.10E-04	1.45E-04	6.45E-04	5.10E-05	5.43E-05	8.95E-04	1.38E-04	1.29E-09	6.80E-07	1.48E-06	1.40E-04
3977	489863.09	3853877.25	3.30E-04	1.65E-09	8.05E-07	1.48E-06	3.33E-04	1.56E-04	6.82E-04	6.03E-05	5.44E-05	9.52E-04	1.48E-04	1.36E-09	8.05E-07	1.48E-06	1.50E-04
3978	490363.09	3853877.25	3.37E-04	1.68E-09	8.40E-07	1.46E-06	3.39E-04	1.59E-04	6.91E-04	6.30E-05	5.37E-05	9.67E-04	1.51E-04	1.38E-09	8.40E-07	1.46E-06	1.53E-04
3979	490863.09	3853877.25	3.48E-04	1.73E-09	6.27E-07	1.46E-06	3.50E-04	1.64E-04	7.11E-04	4.70E-05	5.34E-05	9.76E-04	1.56E-04	1.42E-09	6.27E-07	1.46E-06	1.58E-04
3980	491363.09	3853877.25	3.59E-04	1.77E-09	7.65E-07	1.46E-06	3.61E-04	1.69E-04	7.31E-04	5.73E-05	5.34E-05	1.01E-03	1.61E-04	1.46E-09	7.65E-07	1.46E-06	1.63E-04
3981	491863.09	3853877.25	3.64E-04	1.81E-09	1.13E-06	1.44E-06	3.67E-04	1.72E-04	7.46E-04	8.51E-05	5.29E-05	1.06E-03	1.63E-04	1.49E-09	1.13E-06	1.44E-06	1.66E-04
3982	492363.09	3853877.25	3.78E-04	1.91E-09	1.39E-06	1.44E-06	3.81E-04	1.78E-04	7.87E-04	1.04E-04	5.27E-05	1.12E-03	1.69E-04	1.57E-09	1.39E-06	1.44E-06	1.72E-04
3983	492863.09	3853877.25	3.80E-04	1.97E-09	1.42E-06	1.43E-06	3.82E-04	1.79E-04	8.12E-04	1.07E-04	5.26E-05	1.15E-03	1.70E-04	1.62E-09	1.42E-06	1.43E-06	1.73E-04
3984	493363.09	3853877.25	3.67E-04	1.96E-09	1.30E-06	1.43E-06	3.70E-04	1.73E-04	8.08E-04	9.72E-05	5.24E-05	1.13E-03	1.65E-04	1.61E-09	1.30E-06	1.43E-06	1.67E-04
3985	493863.09	3853877.25	3.48E-04	1.92E-09	1.30E-06	1.42E-06	3.51E-04	1.64E-04	7.91E-04	9.76E-05	5.21E-05	1.10E-03	1.56E-04	1.57E-09	1.30E-06	1.42E-06	1.59E-04
3986	494363.09	3853877.25	3.32E-04	1.89E-09	1.53E-06	1.41E-06	3.35E-04	1.57E-04	7.81E-04	1.15E-04	5.17E-05	1.10E-03	1.49E-04	1.55E-09	1.53E-06	1.41E-06	1.52E-04
3987	494863.09	3853877.25	3.09E-04	1.82E-09	1.69E-06	1.38E-06	3.12E-04	1.46E-04	7.52E-04	1.27E-04	5.07E-05	1.07E-03	1.39E-04	1.50E-09	1.69E-06	1.38E-06	1.42E-04
3988	495363.09	3853877.25	2.65E-04	1.64E-09	1.63E-06	1.32E-06	2.68E-04	1.25E-04	6.77E-04	1.22E-04	4.85E-05	9.73E-04	1.19E-04	1.35E-09	1.63E-06	1.32E-06	1.22E-04
3989	495863.09	3853877.25	2.32E-04	1.51E-09	1.65E-06	1.28E-06	2.34E-04	1.09E-04	6.24E-04	1.24E-04	4.70E-05	9.04E-04	1.04E-04	1.24E-09	1.65E-06	1.28E-06	1.07E-04
3990	496363.09	3853877.25	2.10E-04	1.45E-09	1.73E-06	1.26E-06	2.13E-04	9.91E-05	5.95E-04	1.30E-04	4.61E-05	8.71E-04	9.43E-05	1.19E-09	1.73E-06	1.26E-06	9.73E-05
3991	496863.09	3853877.25	1.77E-04	1.30E-09	1.79E-06	1.22E-06	1.80E-04	8.35E-05	5.37E-04	1.34E-04	4.46E-05	7.99E-04	7.94E-05	1.07E-09	1.79E-06	1.22E-06	8.24E-05
3992	497363.09	3853877.25	1.51E-04	1.19E-09	1.81E-06	1.18E-06	1.54E-04	7.11E-05	4.90E-04	1.36E-04	4.34E-05	7.40E-04	6.76E-05	9.77E-10	1.81E-06	1.18E-06	7.06E-05
3993	497863.09	3853877.25	1.19E-04	1.03E-09	1.82E-06	1.14E-06	1.22E-04	5.60E-05	4.23E-04	1.36E-04	4.18E-05	6.57E-04	5.33E-05	8.42E-10	1.82E-06	1.14E-06	5.62E-05
3994	498363.09	3853877.25	1.01E-04	9.28E-10	1.80E-06	1.09E-06	1.04E-04	4.76E-05	3.82E-04	1.35E-04	4.01E-05	6.05E-04	4.53E-05	7.62E-10	1.80E-06	1.09E-06	4.82E-05
3995	471363.09	3854377.25	3.37E-05	4.04E-10	3.21E-07	3.02E-07	3.43E-05	1.59E-05	1.67E-04	2.41E-05	1.11E-05	2.18E-04	1.51E-05	3.32E-10	3.21E-07	3.02E-07	1.57E-05
3996	471863.09	3854377.25	3.69E-05	4.39E-10	3.46E-07	3.14E-07	3.75E-05	1.74E-05	1.81E-04	2.60E-05	1.15E-05	2.36E-04	1.65E-05	3.60E-10	3.46E-07	3.14E-07	1.72E-05
3997	472363.09	3854377.25	3.96E-05	4.63E-10	3.67E-07	3.26E-07	4.03E-05	1.87E-05	1.91E-04	2.75E-05	1.20E-05	2.49E-04	1.78E-05	3.80E-10	3.67E-07	3.26E-07	1.85E-05
3998	472863.09	3854377.25	4.22E-05	4.78E-10	3.84E-07	3.38E-07	4.29E-05	1.99E-05	1.97E-04	2.88E-05	1.24E-05	2.58E-04	1.89E-05	3.92E-10	3.84E-07	3.38E-07	1.96E-05
3999	473363.09	3854377.25	4.56E-05	4.99E-10	4.03E-07	3.52E-07	4.64E-05	2.15E-05	2.06E-04	3.02E-05	1.29E-05	2.70E-04	2.05E-05	4.10E-10	4.03E-07	3.52E-07	2.12E-05
4000	473863.09	3854377.25	4.99E-05	5.25E-10	4.20E-07	3.69E-07	5.07E-05	2.35E-05	2.16E-04	3.15E-05	1.35E-05	2.85E-04	2.24E-05	4.31E-10	4.20E-07	3.69E-07	2.32E-05
4001	474363.09	3854377.25	5.43E-05	5.46E-10	4.30E-07	3.85E-07	5.51E-05	2.56E-05	2.25E-04	3.23E-05	1.41E-05	2.97E-04	2.44E-05	4.48E-10	4.30E-07	3.85E-07	2.52E-05
4002	474863.09	3854377.25	5.43E-05	5.21E-10	4.18E-07	3.95E-07	5.51E-05	2.56E-05	2.15E-04	3.14E-05	1.45E-05	2.86E-04	2.44E-05	4.27E-10	4.18E-07	3.95E-07	2.52E-05
4003	475363.09	3854377.25	4.90E-05	4.68E-10	4.10E-07	4.06E-07	4.98E-05	2.31E-05	1.93E-04	3.07E-05	1.49E-05	2.62E-04	2.20E-05	3.84E-10	4.10E-07	4.06E-07	2.28E-05
4004	475863.09	3854377.25	3.47E-05	3.82E-10	3.72E-07	4.01E-07	3.54E-05	1.63E-05	1.57E-04	2.79E-05	1.47E-05	2.16E-04	1.55E-05	3.13E-10	3.72E-07	4.01E-07	1.63E-05
4005	476363.09	3854377.25	3.15E-05	3.68E-10	3.73E-07	4.14E-07	3.23E-05	1.48E-05	1.52E-04	2.79E-05	1.52E-05	2.09E-04	1.41E-05	3.02E-10	3.73E-07	4.14E-07	1.49E-05
4006	476863.09	3854377.25	3.07E-05	3.69E-10	3.73E-07	4.29E-07	3.15E-05	1.45E-05	1.52E-04	2.79E-05	1.57E-05	2.10E-04	1.38E-05	3.02E-10	3.73E-07	4.29E-07	1.46E-05
4007	477363.09	3854377.25	3.08E-05	3.74E-10	3.73E-07	4.43E-07	3.16E-05	1.45E-05	1.54E-04	2.79E-05	1.63E-05	2.13E-04	1.38E-05	3.07E-10	3.73E-07	4.43E-07	1.46E-05
4008	477863.09	3854377.25	3.18E-05	3.83E-10	3.67E-07	4.61E-07	3.26E-05	1.50E-05	1.58E-04	2.76E-05	1.69E-05	2.17E-04	1.43E-05	3.14E-10	3.67E-07	4.61E-07	1.51E-05
4009	478363.09	3854377.25	3.78E-05	4.23E-10	3.65E-07	4.82E-07	3.86E-05	1.78E-05	1.74E-04	2.74E-05	1.77E-05	2.37E-04	1.69E-05	3.47E-10	3.65E-07	4.82E-07	1.78E-05
4010	478863.09	3854377.25	4.19E-05	4.54E-10	3.61E-07	5.05E-07	4.28E-05	1.98E-05	1.87E-04	2.70E-05	1.85E-05	2.52E-04	1.88E-05	3.73E-10	3.61E-07	5.05E-07	1.97E-05
4011	479363.09	3854377.25	6.56E-05	6.00E-10	3.88E-07	5.40E-07	6.66E-05	3.10E-05	2.47E-04	2.91E-05	1.98E-05	3.27E-04	2.94E-05	4.93E-10	3.88E-07	5.40E-07	3.04E-05
4012	479863.09	3854377.25	8.73E-05	7.22E-10	3.84E-07	5.76E-07	8.83E-05	4.12E-05	2.97E-04	2.88E-05	2.11E-05	3.88E-04	3.92E-05	5.92E-10	3.84E-07	5.76E-07	4.01E-05
4013	480363.09	3854377.25	1.22E-04	9.16E-10	3.65E-07	6.24E-07	1.23E-04	5.76E-05	3.77E-04	2.74E-05	2.29E-05	4.85E-04	5.48E-05	7.52E-10	3.65E-07	6.24E-07	5.58E-05
4014	480863.09	3854377.25	1.81E-04	1.26E-09	3.29E-07	6.86E-07	1.82E-04	8.55E-05	5.19E-04	2.47E-05	2.52E-05	6.55E-04	8.13E-05	1.03E-09	3.29E-07	6.86E-07	8.23E-05
4015	481363.09	3854377.25	2.31E-04	1.74E-09	3.04E-07	7.72E-07	2.32E-04	1.09E-04	7.15E-04	2.28E-05	2.83E-05	8.75E-04	1.04E-04	1.42E-09	3.04E-07	7.72E-07	1.05E-04
4016	481863.09	3854377.25	2.63E-04	3.69E-09	3.21E-07	9.21E-07	2.64E-04	1.24E-04	1.52E-03	2.41E-05	3.38E-05	1.70E-03	1.18E-04	3.03E-09	3.21E-07	9.21E-07	1.19E-04
4017	482363.09	3854377.25	3.04E-04	4.24E-09	3.31E-07	1.16E-06	3.05E-04	1.43E-04	1.75E-03	2.48E-05	4.26E-05	1.96E-03	1.36E-04	3.48E-09	3.31E-07	1.16E-06	1.38E-04
4018	482863.09	3854377.25	3.79E-04	3.41E-09	3.34E-07	1.52E-06	3.81E-04	1.79E-04	1.41E-03	2.51E-05	5.59E-05	1.67E-03	1.70E-04	2.80E-09	3.34E-07	1.52E-06	1.72E-04
4019	483363.09	3854377.25	4.60E-04	2.61E-09	3.44E-07	1.57E-06	4.62E-04	2.17E-04	1.08E-03	2.58E-05	5.76E-05	1.38E-03	2.06E-04	2.14E-09	3.44E-07	1.57E-06	2.08E-04
4020	483863.09	3854377.25	5.53E-04	1.96E-09	3.51E-07	2.16E-06	5.55E-04	2.61E-04	8.08E-04	2.63E-05	7.91E-05	1.17E-03	2.48E-04	1.61E-09	3.51E-07	2.16E-06	2.50E-04
4021	484363.09	3854377.25	3.91E-04	1.68E-09	3.71E-07	2.27E-06	3.93E-04	1.84E-04	6.93E-04	2.78E-05	8.34E-05	9.88E-04	1.75E-04	1.38E-09	3.71E-07	2.27E-06	1.78E-04
4022	484863.09	3854377.25	2.06E-04	1.51E-09	5.44E-07	1.99E-06	2.08E-04	9.71E-05	6.23E-04	4.08E-05	7.28E-05	8.34E-04	9.23E-05	1.24E-09	5.44E-07	1.99E-06	9.49E-05

4023	485363.09	3854377.25	2.46E-04	1.86E-09	5.36E-07	1.87E-06	2.48E-04	1.16E-04	7.67E-04	4.02E-05	6.85E-05	9.92E-04	1.10E-04	1.53E-09	5.36E-07	1.87E-06	1.13E-04
4024	485863.09	3854377.25	2.15E-04	1.74E-09	6.83E-07	1.85E-06	2.18E-04	1.01E-04	7.15E-04	5.12E-05	6.80E-05	9.36E-04	9.65E-05	1.42E-09	6.83E-07	1.85E-06	9.90E-05
4025	486363.09	3854377.25	2.97E-04	1.90E-09	6.40E-07	1.83E-06	2.99E-04	1.40E-04	7.82E-04	4.80E-05	6.70E-05	1.04E-03	1.33E-04	1.56E-09	6.40E-07	1.83E-06	1.36E-04
4026	486863.09	3854377.25	3.41E-04	1.90E-09	8.22E-07	1.89E-06	3.43E-04	1.61E-04	7.84E-04	6.17E-05	6.94E-05	1.08E-03	1.53E-04	1.56E-09	8.22E-07	1.89E-06	1.56E-04
4027	487363.09	3854377.25	4.16E-04	2.04E-09	1.01E-06	1.92E-06	4.19E-04	1.96E-04	8.42E-04	7.56E-05	7.06E-05	1.18E-03	1.87E-04	1.68E-09	1.01E-06	1.92E-06	1.89E-04
4028	487863.09	3854377.25	5.06E-04	2.24E-09	5.77E-07	1.93E-06	5.08E-04	2.38E-04	9.21E-04	4.33E-05	7.07E-05	1.27E-03	2.27E-04	1.84E-09	5.77E-07	1.93E-06	2.29E-04
4029	488363.09	3854377.25	5.63E-04	2.36E-09	5.70E-07	1.93E-06	5.65E-04	2.65E-04	9.74E-04	4.27E-05	7.09E-05	1.35E-03	2.52E-04	1.94E-09	5.70E-07	1.93E-06	2.55E-04
4030	488863.09	3854377.25	6.01E-04	2.46E-09	6.68E-07	1.90E-06	6.03E-04	2.83E-04	1.01E-03	5.01E-05	6.98E-05	1.42E-03	2.69E-04	2.02E-09	6.68E-07	1.90E-06	2.72E-04
4031	489363.09	3854377.25	6.14E-04	2.52E-09	9.03E-07	1.85E-06	6.17E-04	2.90E-04	1.04E-03	6.77E-05	6.79E-05	1.46E-03	2.75E-04	2.07E-09	9.03E-07	1.85E-06	2.78E-04
4032	489863.09	3854377.25	6.09E-04	2.56E-09	1.12E-06	1.81E-06	6.12E-04	2.87E-04	1.05E-03	8.42E-05	6.63E-05	1.49E-03	2.73E-04	2.10E-09	1.12E-06	1.81E-06	2.76E-04
4033	490363.09	3854377.25	5.91E-04	2.53E-09	8.65E-07	1.77E-06	5.94E-04	2.79E-04	1.04E-03	6.49E-05	6.49E-05	1.45E-03	2.65E-04	2.08E-09	8.65E-07	1.77E-06	2.68E-04
4034	490863.09	3854377.25	4.90E-04	2.19E-09	8.05E-07	1.69E-06	4.93E-04	2.31E-04	9.02E-04	6.04E-05	6.21E-05	1.26E-03	2.20E-04	1.80E-09	8.05E-07	1.69E-06	2.22E-04
4035	491363.09	3854377.25	5.31E-04	2.39E-09	1.32E-06	1.69E-06	5.34E-04	2.51E-04	9.83E-04	9.87E-05	6.20E-05	1.39E-03	2.38E-04	1.96E-09	1.32E-06	1.69E-06	2.41E-04
4036	491863.09	3854377.25	5.51E-04	2.56E-09	1.68E-06	1.68E-06	5.54E-04	2.60E-04	1.05E-03	1.26E-04	6.15E-05	1.50E-03	2.47E-04	2.10E-09	1.68E-06	1.68E-06	2.50E-04
4037	492363.09	3854377.25	5.43E-04	2.64E-09	1.70E-06	1.66E-06	5.47E-04	2.56E-04	1.09E-03	1.27E-04	6.09E-05	1.53E-03	2.44E-04	2.16E-09	1.70E-06	1.66E-06	2.47E-04
4038	492863.09	3854377.25	5.17E-04	2.62E-09	1.54E-06	1.65E-06	5.20E-04	2.44E-04	1.08E-03	1.15E-04	6.04E-05	1.50E-03	2.32E-04	2.15E-09	1.54E-06	1.65E-06	2.35E-04
4039	493363.09	3854377.25	4.81E-04	2.53E-09	1.73E-06	1.63E-06	4.84E-04	2.27E-04	1.04E-03	1.30E-04	5.97E-05	1.46E-03	2.16E-04	2.08E-09	1.73E-06	1.63E-06	2.19E-04
4040	493863.09	3854377.25	4.45E-04	2.43E-09	2.10E-06	1.60E-06	4.49E-04	2.10E-04	1.00E-03	1.57E-04	5.88E-05	1.43E-03	2.00E-04	2.00E-09	2.10E-06	1.60E-06	2.03E-04
4041	494363.09	3854377.25	4.11E-04	2.34E-09	2.25E-06	1.57E-06	4.15E-04	1.94E-04	9.65E-04	1.69E-04	5.75E-05	1.38E-03	1.84E-04	1.92E-09	2.25E-06	1.57E-06	1.88E-04
4042	494863.09	3854377.25	3.33E-04	2.00E-09	2.08E-06	1.46E-06	3.36E-04	1.57E-04	8.23E-04	1.56E-04	5.36E-05	1.19E-03	1.49E-04	1.64E-09	2.08E-06	1.46E-06	1.53E-04
4043	495363.09	3854377.25	2.60E-04	1.70E-09	1.99E-06	1.38E-06	2.64E-04	1.23E-04	6.99E-04	1.49E-04	5.05E-05	1.02E-03	1.17E-04	1.39E-09	1.99E-06	1.38E-06	1.20E-04
4044	495863.09	3854377.25	2.17E-04	1.52E-09	2.05E-06	1.33E-06	2.20E-04	1.02E-04	6.27E-04	1.54E-04	4.86E-05	9.31E-04	9.71E-05	1.25E-09	2.05E-06	1.33E-06	1.01E-04
4045	496363.09	3854377.25	1.95E-04	1.45E-09	2.13E-06	1.30E-06	1.98E-04	9.18E-05	5.97E-04	1.60E-04	4.75E-05	8.96E-04	8.73E-05	1.19E-09	2.13E-06	1.30E-06	9.07E-05
4046	496863.09	3854377.25	1.68E-04	1.34E-09	2.14E-06	1.26E-06	1.72E-04	7.94E-05	5.52E-04	1.61E-04	4.63E-05	8.38E-04	7.55E-05	1.10E-09	2.14E-06	1.26E-06	7.89E-05
4047	497363.09	3854377.25	1.32E-04	1.15E-09	2.13E-06	1.21E-06	1.35E-04	6.23E-05	4.75E-04	1.60E-04	4.44E-05	7.41E-04	5.92E-05	9.46E-10	2.13E-06	1.21E-06	6.26E-05
4048	497863.09	3854377.25	1.34E-04	1.19E-09	2.18E-06	1.21E-06	1.37E-04	6.30E-05	4.90E-04	1.63E-04	4.44E-05	7.61E-04	5.99E-05	9.77E-10	2.18E-06	1.21E-06	6.33E-05
4049	498363.09	3854377.25	1.14E-04	1.08E-09	2.14E-06	1.17E-06	1.18E-04	5.39E-05	4.46E-04	1.61E-04	4.28E-05	7.04E-04	5.13E-05	8.89E-10	2.14E-06	1.17E-06	5.46E-05
4050	471363.09	3854877.25	3.54E-05	4.16E-10	3.00E-07	3.02E-07	3.60E-05	1.67E-05	1.71E-04	2.25E-05	1.11E-05	2.22E-04	1.59E-05	3.41E-10	3.00E-07	3.02E-07	1.65E-05
4051	471863.09	3854877.25	3.80E-05	4.44E-10	3.17E-07	3.14E-07	3.87E-05	1.79E-05	1.83E-04	2.38E-05	1.15E-05	2.36E-04	1.71E-05	3.65E-10	3.17E-07	3.14E-07	1.77E-05
4052	472363.09	3854877.25	4.04E-05	4.69E-10	3.34E-07	3.26E-07	4.11E-05	1.91E-05	1.93E-04	2.51E-05	1.20E-05	2.49E-04	1.81E-05	3.85E-10	3.34E-07	3.26E-07	1.88E-05
4053	472863.09	3854877.25	4.18E-05	4.79E-10	3.49E-07	3.37E-07	4.25E-05	1.97E-05	1.97E-04	2.62E-05	1.23E-05	2.55E-04	1.88E-05	3.93E-10	3.49E-07	3.37E-07	1.94E-05
4054	473363.09	3854877.25	4.55E-05	5.18E-10	3.75E-07	3.52E-07	4.63E-05	2.15E-05	2.14E-04	2.81E-05	1.29E-05	2.76E-04	2.04E-05	4.25E-10	3.75E-07	3.52E-07	2.11E-05
4055	473863.09	3854877.25	4.92E-05	5.54E-10	4.02E-07	3.69E-07	5.00E-05	2.32E-05	2.28E-04	3.02E-05	1.35E-05	2.95E-04	2.21E-05	4.55E-10	4.02E-07	3.69E-07	2.29E-05
4056	474363.09	3854877.25	5.42E-05	6.04E-10	4.35E-07	3.88E-07	5.50E-05	2.55E-05	2.49E-04	3.26E-05	1.42E-05	3.21E-04	2.43E-05	4.96E-10	4.35E-07	3.88E-07	2.51E-05
4057	474863.09	3854877.25	4.88E-05	5.15E-10	4.52E-07	3.96E-07	4.97E-05	2.30E-05	2.12E-04	3.39E-05	1.45E-05	2.83E-04	2.19E-05	4.22E-10	4.52E-07	3.96E-07	2.27E-05
4058	475363.09	3854877.25	3.98E-05	4.38E-10	4.16E-07	3.94E-07	4.06E-05	1.88E-05	1.80E-04	3.12E-05	1.44E-05	2.45E-04	1.78E-05	3.60E-10	4.16E-07	3.94E-07	1.86E-05
4059	475863.09	3854877.25	3.06E-05	3.78E-10	3.90E-07	4.03E-07	3.14E-05	1.44E-05	1.56E-04	2.92E-05	1.48E-05	2.14E-04	1.37E-05	3.10E-10	3.90E-07	4.03E-07	1.45E-05
4060	476363.09	3854877.25	2.05E-05	3.03E-10	3.87E-07	4.14E-07	2.13E-05	9.66E-06	1.25E-04	2.90E-05	1.52E-05	1.79E-04	9.19E-06	2.48E-10	3.87E-07	4.14E-07	9.99E-06
4061	476863.09	3854877.25	2.07E-05	3.07E-10	3.97E-07	4.31E-07	2.15E-05	9.74E-06	1.26E-04	2.98E-05	1.58E-05	1.82E-04	9.26E-06	2.52E-10	3.97E-07	4.31E-07	1.01E-05
4062	477363.09	3854877.25	2.53E-05	3.51E-10	4.08E-07	4.59E-07	2.61E-05	1.19E-05	1.45E-04	3.06E-05	1.68E-05	2.04E-04	1.13E-05	2.88E-10	4.08E-07	4.59E-07	1.22E-05
4063	477863.09	3854877.25	2.98E-05	3.94E-10	4.17E-07	4.86E-07	3.07E-05	1.41E-05	1.62E-04	3.13E-05	1.78E-05	2.25E-04	1.34E-05	3.23E-10	4.17E-07	4.86E-07	1.43E-05
4064	478363.09	3854877.25	4.03E-05	4.79E-10	4.29E-07	5.18E-07	4.13E-05	1.90E-05	1.97E-04	3.22E-05	1.90E-05	2.67E-04	1.81E-05	3.93E-10	4.29E-07	5.18E-07	1.90E-05
4065	478863.09	3854877.25	5.75E-05	5.98E-10	4.53E-07	5.57E-07	5.85E-05	2.71E-05	2.46E-04	3.40E-05	2.04E-05	3.28E-04	2.58E-05	4.91E-10	4.53E-07	5.57E-07	2.68E-05
4066	479363.09	3854877.25	8.52E-05	7.55E-10	4.94E-07	6.05E-07	8.63E-05	4.02E-05	3.11E-04	3.71E-05	2.22E-05	4.11E-04	3.82E-05	6.20E-10	4.94E-07	6.05E-07	3.93E-05
4067	479863.09	3854877.25	1.24E-04	9.64E-10	5.41E-07	6.73E-07	1.25E-04	5.86E-05	3.97E-04	4.06E-05	2.47E-05	5.21E-04	5.57E-05	7.91E-10	5.41E-07	6.73E-07	5.69E-05
4068	480363.09	3854877.25	1.65E-04	1.21E-09	5.46E-07	7.47E-07	1.67E-04	7.80E-05	4.99E-04	4.10E-05	2.74E-05	6.45E-04	7.41E-05	9.93E-10	5.46E-07	7.47E-07	7.54E-05
4069	480863.09	3854877.25	2.29E-04	1.70E-09	5.08E-07	8.18E-07	2.30E-04	1.08E-04	7.02E-04	3.81E-05	3.00E-05	8.78E-04	1.03E-04	1.40E-09	5.08E-07	8.18E-07	1.04E-04
4070	481363.09	3854877.25	2.78E-04	2.18E-09	4.43E-07	9.08E-07	2.80E-04	1.31E-04	8.97E-04	3.32E-05	3.33E-05	1.09E-03	1.25E-04	1.79E-09	4.43E-07	9.08E-07	1.26E-04
4071	481863.09	3854877.25	3.09E-04	2.31E-09	3.82E-07	1.13E-06	3.11E-04	1.46E-04	9.52E-04	2.86E-05	4.15E-05	1.17E-03	1.39E-04	1.90E-09	3.82E-07	1.13E-06	1.40E-04
4072	482363.09	3854877.25	3.91E-04	7.50E-09	3.75E-07	1.88E-06	3.93E-04	1.84E-04	3.09E-03	2.81E-05	6.90E-05	3.37E-03	1.75E-04	6.16E-09	3.75E-07	1.88E-06	1.77E-04
4073	482863.09	3854877.25	5.01E-04	1.02E-08	3.65E-07	5.35E-06	5.07E-04	2.36E-04	4.20E-03	2.74E-05	1.96E-04	4.66E-03	2.25E-04	8.36E-09	3.65E-07	5.35E-06	2.30E-04
4074	483363.09	3854877.25	6.71E-04	9.10E-09	3.74E-07	1.62E-05	6.88E-04	3.17E-04	3.75E-03	2.81E-05	5.94E-04	4.69E-03	3.01E-04	7.47E-09	3.74E-07	1.62E-05	3.18E-04
4075	483863.09	3854877.25	1.01E-03	7.32E-09	3.85E-07	7.82E-06	1.02E-03	4.75E-04	3.01E-03	2.89E-05	2.87E-04	3.81E-03	4.52E-04	6.00E-09	3.85E-07	7.82E-06	4.60E-04
4076	484363.09	3854877.25	1.23E-03	5.36E-09	4.00E-07	3.99E-06	1.23E-03	5.79E-04	2.21E-03	3.00E-05	1.46E-04	2.96E-03	5.50E-04	4.40E-09	4.00E-07	3.99E-06	5.55E-04
4077	484863.09	3854877.25	1.02E-03	4.65E-09	4.24E-07	2.83E-06	1.03E-03	4.83E-04	1.91E-03	3.18E-05	1.04E-04	2.53E-03	4.59E-04	3.81E-09	4.24E-07	2.83E-06	4.62E-04
4078	485363.09	3854877.25	1.22E-03	4.21E-09	6.10E-07	2.69E-06	1.22E-03	5.74E-04	1.73E-03	4.57E-05	9.86E-05	2.45E-03	5.46E-04	3.45E-09	6.10E-07	2.69E-06	5.49E-04
4079	485863.09	3854877.25	1.24E-03	3.83E-09	6.07E-07	2.65E-06	1.25E-03	5.86E-04	1.58E-03	4.55E-05	9.71E-05	2.31E-03	5.57E-04	3.15E-09	6.07E-07	2.65E-06	5.60E-04
4080	486363.09	3854877.25	1.16E-03	3.56E-09	8.94E-07	2.73E-06	1.16E-03	5.46E-04	1.47E-03	6.70E-05	1.00E-04	2.18E-03	5.19E-04	2.93E-09	8.94E-07	2.73E-06	5.23E-04
4081	486863.09	3854877.25	1.09E-03	3.42E-09	8.06E-07	2.70E-06	1.09E-03	5.12E-04	1.41E-03	6.05E-05	9.91E-05	2.08E-03	4.87E-04	2.81E-09	8.06E-07	2.70E-06	4.90E-04
4082	487363.09	3854877.25	1.13E-03	3.55E-09	1.23E-06	2.62E-06	1.13E-03	5.32E-04	1.46E-03	9.21E-05	9.61E-05	2.18E-03	5.06E-04	2.92E-09	1.23E-06	2.62E-06	5.10E-04
4083	487863.09	3854877.25	1.15E-03	3.66E-09	7.16E-07	2.48E-06	1.15E-03	5.41E-04	1.51E-03	5.37E-05	9.11E-05	2.19E-03	5.15E-04	3.00E-09	7.16E-07	2.48E-06	5.18E-04

4084	488363.09	3854877.25	1.15E-03	3.76E-09	6.69E-07	2.38E-06	1.15E-03	5.43E-04	1.55E-03	5.02E-05	8.72E-05	2.23E-03	5.16E-04	3.09E-09	6.69E-07	2.38E-06	5.19E-04
4085	488863.09	3854877.25	1.14E-03	3.89E-09	8.05E-07	2.30E-06	1.15E-03	5.39E-04	1.60E-03	6.03E-05	8.44E-05	2.28E-03	5.12E-04	3.19E-09	8.05E-07	2.30E-06	5.15E-04
4086	489363.09	3854877.25	1.08E-03	3.90E-09	1.08E-06	2.22E-06	1.09E-03	5.12E-04	1.61E-03	8.13E-05	8.15E-05	2.28E-03	4.87E-04	3.20E-09	1.08E-06	2.22E-06	4.90E-04
4087	489863.09	3854877.25	9.84E-04	3.68E-09	1.27E-06	2.13E-06	9.88E-04	4.64E-04	1.52E-03	9.53E-05	7.81E-05	2.15E-03	4.41E-04	3.02E-09	1.27E-06	2.13E-06	4.45E-04
4088	490363.09	3854877.25	7.38E-04	2.93E-09	8.73E-07	1.98E-06	7.41E-04	3.48E-04	1.21E-03	6.54E-05	7.27E-05	1.69E-03	3.31E-04	2.40E-09	8.73E-07	1.98E-06	3.34E-04
4089	490863.09	3854877.25	5.17E-04	2.31E-09	1.16E-06	1.76E-06	5.20E-04	2.44E-04	9.50E-04	8.71E-05	6.47E-05	1.35E-03	2.32E-04	1.89E-09	1.16E-06	1.76E-06	2.35E-04
4090	491363.09	3854877.25	5.47E-04	2.45E-09	1.62E-06	1.76E-06	5.50E-04	2.58E-04	1.01E-03	1.22E-04	6.46E-05	1.45E-03	2.45E-04	2.01E-09	1.62E-06	1.76E-06	2.49E-04
4091	491863.09	3854877.25	7.53E-04	3.43E-09	1.97E-06	1.90E-06	7.57E-04	3.55E-04	1.41E-03	1.48E-04	6.98E-05	1.99E-03	3.38E-04	2.82E-09	1.97E-06	1.90E-06	3.42E-04
4092	492363.09	3854877.25	7.18E-04	3.50E-09	1.88E-06	1.88E-06	7.22E-04	3.39E-04	1.44E-03	1.41E-04	6.90E-05	1.99E-03	3.22E-04	2.87E-09	1.88E-06	1.88E-06	3.26E-04
4093	492863.09	3854877.25	6.58E-04	3.37E-09	2.40E-06	1.86E-06	6.63E-04	3.11E-04	1.39E-03	1.80E-04	6.82E-05	1.95E-03	2.95E-04	2.77E-09	2.40E-06	1.86E-06	3.00E-04
4094	493363.09	3854877.25	5.95E-04	3.17E-09	2.83E-06	1.82E-06	6.00E-04	2.81E-04	1.31E-03	2.12E-04	6.68E-05	1.87E-03	2.67E-04	2.60E-09	2.83E-06	1.82E-06	2.71E-04
4095	493863.09	3854877.25	5.42E-04	3.02E-09	2.93E-06	1.77E-06	5.47E-04	2.56E-04	1.24E-03	2.20E-04	6.49E-05	1.78E-03	2.43E-04	2.48E-09	2.93E-06	1.77E-06	2.48E-04
4096	494363.09	3854877.25	4.15E-04	2.42E-09	2.80E-06	1.61E-06	4.19E-04	1.96E-04	9.97E-04	2.10E-04	5.92E-05	1.46E-03	1.86E-04	1.99E-09	2.80E-06	1.61E-06	1.90E-04
4097	494863.09	3854877.25	2.97E-04	1.93E-09	2.49E-06	1.46E-06	3.01E-04	1.40E-04	7.96E-04	1.87E-04	5.37E-05	1.18E-03	1.33E-04	1.58E-09	2.49E-06	1.46E-06	1.37E-04
4098	495363.09	3854877.25	2.32E-04	1.67E-09	2.49E-06	1.39E-06	2.36E-04	1.09E-04	6.86E-04	1.86E-04	5.10E-05	1.03E-03	1.04E-04	1.37E-09	2.49E-06	1.39E-06	1.08E-04
4099	495863.09	3854877.25	1.97E-04	1.52E-09	2.49E-06	1.35E-06	2.01E-04	9.28E-05	6.28E-04	1.87E-04	4.95E-05	9.57E-04	8.83E-05	1.25E-09	2.49E-06	1.35E-06	9.21E-05
4100	496363.09	3854877.25	1.56E-04	1.33E-09	2.48E-06	1.29E-06	1.60E-04	7.36E-05	5.46E-04	1.86E-04	4.75E-05	8.53E-04	7.00E-05	1.09E-09	2.48E-06	1.29E-06	7.38E-05
4101	496863.09	3854877.25	1.32E-04	1.20E-09	2.42E-06	1.25E-06	1.36E-04	6.25E-05	4.95E-04	1.82E-04	4.58E-05	7.85E-04	5.94E-05	9.87E-10	2.42E-06	1.25E-06	6.31E-05
4102	497363.09	3854877.25	1.23E-04	1.17E-09	2.39E-06	1.23E-06	1.27E-04	5.82E-05	4.82E-04	1.80E-04	4.49E-05	7.65E-04	5.54E-05	9.61E-10	2.39E-06	1.23E-06	5.90E-05
4103	497863.09	3854877.25	1.31E-04	1.26E-09	2.49E-06	1.24E-06	1.35E-04	6.20E-05	5.18E-04	1.87E-04	4.54E-05	8.13E-04	5.90E-05	1.03E-09	2.49E-06	1.24E-06	6.27E-05
4104	498363.09	3854877.25	1.26E-04	1.24E-09	2.49E-06	1.22E-06	1.29E-04	5.93E-05	5.12E-04	1.87E-04	4.48E-05	8.03E-04	5.63E-05	1.02E-09	2.49E-06	1.22E-06	6.01E-05
4105	471363.09	3855377.25	3.64E-05	4.37E-10	3.02E-07	3.02E-07	3.70E-05	1.72E-05	1.80E-04	2.26E-05	1.11E-05	2.31E-04	1.63E-05	3.58E-10	3.02E-07	3.02E-07	1.69E-05
4106	471863.09	3855377.25	3.82E-05	4.53E-10	3.12E-07	3.13E-07	3.89E-05	1.80E-05	1.86E-04	2.34E-05	1.15E-05	2.39E-04	1.72E-05	3.71E-10	3.12E-07	3.13E-07	1.78E-05
4107	472363.09	3855377.25	4.13E-05	4.86E-10	3.30E-07	3.25E-07	4.19E-05	1.95E-05	2.00E-04	2.47E-05	1.19E-05	2.56E-04	1.85E-05	3.98E-10	3.30E-07	3.25E-07	1.92E-05
4108	472863.09	3855377.25	4.33E-05	5.01E-10	3.40E-07	3.38E-07	4.40E-05	2.04E-05	2.06E-04	2.55E-05	1.24E-05	2.65E-04	1.94E-05	4.11E-10	3.40E-07	3.38E-07	2.01E-05
4109	473363.09	3855377.25	4.75E-05	5.49E-10	3.61E-07	3.54E-07	4.82E-05	2.24E-05	2.26E-04	2.70E-05	1.30E-05	2.89E-04	2.13E-05	4.51E-10	3.61E-07	3.54E-07	2.20E-05
4110	473863.09	3855377.25	5.14E-05	5.89E-10	3.78E-07	3.70E-07	5.22E-05	2.42E-05	2.43E-04	2.84E-05	1.36E-05	3.09E-04	2.31E-05	4.83E-10	3.78E-07	3.70E-07	2.38E-05
4111	474363.09	3855377.25	5.53E-05	6.23E-10	4.43E-07	4.03E-07	5.62E-05	2.61E-05	2.57E-04	3.32E-05	1.48E-05	3.31E-04	2.48E-05	5.11E-10	4.43E-07	4.03E-07	2.57E-05
4112	474863.09	3855377.25	5.02E-05	5.41E-10	4.18E-07	3.97E-07	5.10E-05	2.37E-05	2.23E-04	3.14E-05	1.46E-05	2.92E-04	2.25E-05	4.44E-10	4.18E-07	3.97E-07	2.33E-05
4113	475363.09	3855377.25	2.59E-05	3.52E-10	3.55E-07	3.80E-07	2.66E-05	1.22E-05	1.45E-04	2.67E-05	1.39E-05	1.98E-04	1.16E-05	2.89E-10	3.55E-07	3.80E-07	1.23E-05
4114	475863.09	3855377.25	1.98E-05	3.08E-10	3.60E-07	3.91E-07	2.05E-05	9.32E-06	1.27E-04	2.70E-05	1.43E-05	1.78E-04	8.86E-06	2.53E-10	3.60E-07	3.91E-07	9.61E-06
4115	476363.09	3855377.25	2.35E-05	3.46E-10	3.81E-07	4.12E-07	2.43E-05	1.11E-05	1.43E-04	2.86E-05	1.51E-05	1.97E-04	1.05E-05	2.84E-10	3.81E-07	4.12E-07	1.13E-05
4116	476863.09	3855377.25	2.35E-05	3.50E-10	4.01E-07	4.31E-07	2.43E-05	1.11E-05	1.44E-04	3.01E-05	1.58E-05	2.01E-04	1.05E-05	2.87E-10	4.01E-07	4.31E-07	1.14E-05
4117	477363.09	3855377.25	2.64E-05	3.81E-10	4.22E-07	4.56E-07	2.73E-05	1.25E-05	1.57E-04	3.16E-05	1.67E-05	2.18E-04	1.19E-05	3.12E-10	4.22E-07	4.56E-07	1.27E-05
4118	477863.09	3855377.25	3.48E-05	4.50E-10	4.53E-07	4.89E-07	3.57E-05	1.64E-05	1.86E-04	3.40E-05	1.79E-05	2.54E-04	1.56E-05	3.70E-10	4.53E-07	4.89E-07	1.65E-05
4119	478363.09	3855377.25	4.57E-05	5.38E-10	4.76E-07	5.25E-07	4.67E-05	2.16E-05	2.21E-04	3.57E-05	1.93E-05	2.98E-04	2.05E-05	4.41E-10	4.76E-07	5.25E-07	2.15E-05
4120	478863.09	3855377.25	5.91E-05	6.40E-10	5.02E-07	5.72E-07	6.01E-05	2.79E-05	2.64E-04	3.76E-05	2.10E-05	3.50E-04	2.65E-05	5.25E-10	5.02E-07	5.72E-07	2.76E-05
4121	479363.09	3855377.25	8.26E-05	8.00E-10	5.33E-07	6.39E-07	8.37E-05	3.89E-05	3.29E-04	4.00E-05	2.34E-05	4.32E-04	3.70E-05	6.56E-10	5.33E-07	6.39E-07	3.82E-05
4122	479863.09	3855377.25	1.10E-04	9.82E-10	5.60E-07	7.16E-07	1.11E-04	5.19E-05	4.04E-04	4.20E-05	2.62E-05	5.25E-04	4.94E-05	8.06E-10	5.60E-07	7.16E-07	5.07E-05
4123	480363.09	3855377.25	1.68E-04	1.33E-09	6.03E-07	8.31E-07	1.69E-04	7.93E-05	5.47E-04	4.52E-05	3.05E-05	7.02E-04	7.54E-05	1.09E-09	6.03E-07	8.31E-07	7.68E-05
4124	480863.09	3855377.25	2.42E-04	2.01E-09	6.30E-07	9.38E-07	2.43E-04	1.14E-04	8.27E-04	4.73E-05	3.44E-05	1.02E-03	1.08E-04	1.65E-09	6.30E-07	9.38E-07	1.10E-04
4125	481363.09	3855377.25	3.11E-04	3.33E-09	6.21E-07	1.10E-06	3.13E-04	1.47E-04	1.37E-03	4.66E-05	4.02E-05	1.61E-03	1.40E-04	2.73E-09	6.21E-07	1.10E-06	1.41E-04
4126	481863.09	3855377.25	3.76E-04	5.71E-09	5.90E-07	1.34E-06	3.78E-04	1.77E-04	2.35E-03	4.43E-05	4.90E-05	2.62E-03	1.69E-04	4.69E-09	5.90E-07	1.34E-06	1.71E-04
4127	482363.09	3855377.25	4.43E-04	1.22E-08	5.48E-07	1.62E-06	4.45E-04	2.09E-04	5.02E-03	4.11E-05	5.95E-05	5.33E-03	1.99E-04	9.99E-09	5.48E-07	1.62E-06	2.01E-04
4128	482863.09	3855377.25	5.71E-04	5.29E-08	4.77E-07	2.48E-06	5.74E-04	2.69E-04	2.18E-02	3.58E-05	9.10E-05	2.22E-02	2.56E-04	4.34E-08	4.77E-07	2.48E-06	2.59E-04
4129	483363.09	3855377.25	7.78E-04	7.12E-08	4.35E-07	2.94E-06	7.81E-04	3.67E-04	2.93E-02	3.26E-05	1.08E-04	2.98E-02	3.49E-04	5.84E-08	4.35E-07	2.94E-06	3.52E-04
4130	483863.09	3855377.25	1.30E-03	3.10E-08	4.31E-07	3.36E-06	1.30E-03	6.12E-04	1.28E-02	3.23E-05	1.23E-04	1.35E-02	5.82E-04	2.54E-08	4.31E-07	3.36E-06	5.86E-04
4131	484363.09	3855377.25	3.77E-03	1.50E-08	4.41E-07	3.26E-06	3.77E-03	1.78E-03	6.18E-03	3.31E-05	1.20E-04	8.11E-03	1.69E-03	1.23E-08	4.41E-07	3.26E-06	1.69E-03
4132	484863.09	3855377.25	3.72E-02	1.16E-08	4.65E-07	3.82E-06	3.72E-02	1.76E-02	4.78E-03	3.49E-05	1.40E-04	2.25E-02	1.67E-02	9.52E-09	4.65E-07	3.82E-06	1.67E-02
4133	485363.09	3855377.25	1.36E-02	9.07E-09	4.92E-07	4.32E-06	1.36E-02	6.42E-03	3.73E-03	3.69E-05	1.58E-04	1.03E-02	6.10E-03	7.44E-09	4.92E-07	4.32E-06	6.11E-03
4134	485863.09	3855377.25	6.49E-03	7.81E-09	6.46E-07	4.35E-06	6.49E-03	3.06E-03	3.22E-03	4.84E-05	1.60E-04	6.49E-03	2.91E-03	6.41E-09	6.46E-07	4.35E-06	2.91E-03
4135	486363.09	3855377.25	3.93E-03	6.63E-09	7.72E-07	4.09E-06	3.93E-03	1.85E-03	2.73E-03	5.79E-05	1.50E-04	4.79E-03	1.76E-03	5.44E-09	7.72E-07	4.09E-06	1.77E-03
4136	486863.09	3855377.25	2.79E-03	5.88E-09	8.88E-07	3.81E-06	2.80E-03	1.32E-03	2.42E-03	6.66E-05	1.40E-04	3.94E-03	1.25E-03	4.82E-09	8.88E-07	3.81E-06	1.26E-03
4137	487363.09	3855377.25	2.51E-03	5.92E-09	1.36E-06	3.52E-06	2.51E-03	1.18E-03	2.44E-03	1.02E-04	1.29E-04	3.85E-03	1.13E-03	4.86E-09	1.36E-06	3.52E-06	1.13E-03
4138	487863.09	3855377.25	2.26E-03	5.91E-09	8.99E-07	3.20E-06	2.27E-03	1.07E-03	2.44E-03	6.74E-05	1.17E-04	3.69E-03	1.01E-03	4.85E-09	8.99E-07	3.20E-06	1.02E-03
4139	488363.09	3855377.25	2.05E-03	5.91E-09	8.04E-07	2.93E-06	2.05E-03	9.66E-04	2.43E-03	6.03E-05	1.07E-04	3.57E-03	9.19E-04	4.85E-09	8.04E-07	2.93E-06	9.23E-04
4140	488863.09	3855377.25	1.85E-03	5.85E-09	1.04E-06	2.72E-06	1.85E-03	8.72E-04	2.41E-03	7.78E-05	9.99E-05	3.46E-03	8.29E-04	4.80E-09	1.04E-06	2.72E-06	8.33E-04
4141	489363.09	3855377.25	1.66E-03	5.70E-09	1.27E-06	2.56E-06	1.66E-03	7.82E-04	2.35E-03	9.49E-05	9.40E-05	3.32E-03	7.44E-04	4.68E-09	1.27E-06	2.56E-06	7.48E-04
4142	489863.09	3855377.25	1.46E-03	5.32E-09	1.07E-06	2.45E-06	1.46E-03	6.89E-04	2.19E-03	8.06E-05	8.98E-05	3.05E-03	6.55E-04	4.37E-09	1.07E-06	2.45E-06	6.59E-04
4143	490363.09	3855377.25	1.33E-03	5.27E-09	1.69E-06	2.43E-06	1.34E-03	6.28E-04	2.17E-03	1.26E-04	8.93E-05	3.01E-03	5.97E-04	4.32E-09	1.69E-06	2.43E-06	6.01E-04
4144	490863.09	3855377.25	8.65E-04	3.49E-09	2.26E-06	2.10E-06	8.69E-04	4.08E-04	1.44E-03	1.70E-04	7.70E-05	2.09E-03	3.88E-04	2.87E-09	2.26E-06	2.10E-06	3.92E-04

4145	491363.09	3855377.25	7.03E-04	3.11E-09	1.96E-06	1.90E-06	7.06E-04	3.31E-04	1.28E-03	1.47E-04	6.98E-05	1.83E-03	3.15E-04	2.55E-09	1.96E-06	1.90E-06	3.19E-04
4146	491863.09	3855377.25	9.40E-04	4.45E-09	2.51E-06	2.07E-06	9.45E-04	4.44E-04	1.83E-03	1.88E-04	7.58E-05	2.54E-03	4.22E-04	3.65E-09	2.51E-06	2.07E-06	4.26E-04
4147	492363.09	3855377.25	8.65E-04	4.44E-09	3.21E-06	2.05E-06	8.71E-04	4.08E-04	1.83E-03	2.41E-04	7.52E-05	2.55E-03	3.88E-04	3.64E-09	3.21E-06	2.05E-06	3.93E-04
4148	492863.09	3855377.25	7.75E-04	4.18E-09	3.58E-06	2.02E-06	7.81E-04	3.66E-04	1.72E-03	2.69E-04	7.40E-05	2.43E-03	3.48E-04	3.43E-09	3.58E-06	2.02E-06	3.53E-04
4149	493363.09	3855377.25	6.65E-04	3.69E-09	3.84E-06	1.92E-06	6.71E-04	3.14E-04	1.52E-03	2.88E-04	7.03E-05	2.19E-03	2.98E-04	3.03E-09	3.84E-06	1.92E-06	3.04E-04
4150	493863.09	3855377.25	5.08E-04	2.97E-09	3.82E-06	1.75E-06	5.14E-04	2.40E-04	1.22E-03	2.86E-04	6.41E-05	1.81E-03	2.28E-04	2.43E-09	3.82E-06	1.75E-06	2.34E-04
4151	494363.09	3855377.25	3.65E-04	2.37E-09	3.23E-06	1.57E-06	3.70E-04	1.72E-04	9.76E-04	2.42E-04	5.77E-05	1.45E-03	1.64E-04	1.94E-09	3.23E-06	1.57E-06	1.68E-04
4152	494863.09	3855377.25	2.60E-04	1.91E-09	3.05E-06	1.47E-06	2.64E-04	1.22E-04	7.87E-04	2.29E-04	5.37E-05	1.19E-03	1.16E-04	1.57E-09	3.05E-06	1.47E-06	1.21E-04
4153	495363.09	3855377.25	1.97E-04	1.61E-09	2.97E-06	1.39E-06	2.01E-04	9.27E-05	6.65E-04	2.23E-04	5.11E-05	1.03E-03	8.82E-05	1.33E-09	2.97E-06	1.39E-06	9.25E-05
4154	495863.09	3855377.25	1.57E-04	1.41E-09	2.88E-06	1.34E-06	1.62E-04	7.43E-05	5.81E-04	2.16E-04	4.90E-05	9.19E-04	7.06E-05	1.16E-09	2.88E-06	1.34E-06	7.48E-05
4155	496363.09	3855377.25	1.46E-04	1.37E-09	2.85E-06	1.31E-06	1.50E-04	6.89E-05	5.65E-04	2.14E-04	4.79E-05	8.95E-04	6.55E-05	1.13E-09	2.85E-06	1.31E-06	6.97E-05
4156	496863.09	3855377.25	1.37E-04	1.34E-09	2.81E-06	1.29E-06	1.41E-04	6.44E-05	5.52E-04	2.11E-04	4.73E-05	8.74E-04	6.12E-05	1.10E-09	2.81E-06	1.29E-06	6.53E-05
4157	497363.09	3855377.25	1.34E-04	1.35E-09	2.85E-06	1.28E-06	1.38E-04	6.32E-05	5.57E-04	2.13E-04	4.70E-05	8.81E-04	6.01E-05	1.11E-09	2.85E-06	1.28E-06	6.42E-05
4158	497863.09	3855377.25	1.36E-04	1.40E-09	2.88E-06	1.28E-06	1.40E-04	6.41E-05	5.77E-04	2.16E-04	4.71E-05	9.04E-04	6.10E-05	1.15E-09	2.88E-06	1.28E-06	6.51E-05
4159	498363.09	3855377.25	1.41E-04	1.47E-09	2.92E-06	1.29E-06	1.45E-04	6.65E-05	6.04E-04	2.19E-04	4.73E-05	9.37E-04	6.32E-05	1.20E-09	2.92E-06	1.29E-06	6.74E-05
4160	471363.09	3855877.25	3.60E-05	4.56E-10	2.90E-07	3.05E-07	3.66E-05	1.70E-05	1.88E-04	2.18E-05	1.12E-05	2.38E-04	1.62E-05	3.74E-10	2.90E-07	3.05E-07	1.68E-05
4161	471863.09	3855877.25	3.78E-05	4.73E-10	3.04E-07	3.17E-07	3.84E-05	1.78E-05	1.95E-04	2.28E-05	1.16E-05	2.47E-04	1.70E-05	3.88E-10	3.04E-07	3.17E-07	1.76E-05
4162	472363.09	3855877.25	4.12E-05	5.18E-10	3.30E-07	3.33E-07	4.19E-05	1.94E-05	2.13E-04	2.47E-05	1.22E-05	2.70E-04	1.85E-05	4.25E-10	3.30E-07	3.33E-07	1.92E-05
4163	472863.09	3855877.25	4.27E-05	5.22E-10	3.40E-07	3.44E-07	4.34E-05	2.01E-05	2.15E-04	2.55E-05	1.26E-05	2.73E-04	1.92E-05	4.29E-10	3.40E-07	3.44E-07	1.98E-05
4164	473363.09	3855877.25	4.73E-05	5.86E-10	3.68E-07	3.63E-07	4.80E-05	2.23E-05	2.41E-04	2.76E-05	1.33E-05	3.04E-04	2.12E-05	4.81E-10	3.68E-07	3.63E-07	2.19E-05
4165	473863.09	3855877.25	5.11E-05	6.32E-10	3.88E-07	3.80E-07	5.19E-05	2.41E-05	2.61E-04	2.91E-05	1.39E-05	3.28E-04	2.29E-05	5.19E-10	3.88E-07	3.80E-07	2.37E-05
4166	474363.09	3855877.25	5.46E-05	6.57E-10	4.86E-07	4.13E-07	5.55E-05	2.57E-05	2.71E-04	3.64E-05	1.52E-05	3.48E-04	2.45E-05	5.39E-10	4.86E-07	4.13E-07	2.54E-05
4167	474863.09	3855877.25	4.73E-05	5.28E-10	4.06E-07	3.98E-07	4.81E-05	2.23E-05	2.17E-04	3.04E-05	1.46E-05	2.85E-04	2.12E-05	4.33E-10	4.06E-07	3.98E-07	2.20E-05
4168	475363.09	3855877.25	3.20E-05	3.98E-10	3.25E-07	3.83E-07	3.27E-05	1.51E-05	1.64E-04	2.44E-05	1.41E-05	2.18E-04	1.43E-05	3.27E-10	3.25E-07	3.83E-07	1.51E-05
4169	475863.09	3855877.25	1.49E-05	2.61E-10	3.00E-07	3.74E-07	1.55E-05	7.01E-06	1.07E-04	2.25E-05	1.37E-05	1.51E-04	6.67E-06	2.14E-10	3.00E-07	3.74E-07	7.34E-06
4170	476363.09	3855877.25	1.60E-05	2.79E-10	3.26E-07	3.94E-07	1.67E-05	7.55E-06	1.15E-04	2.44E-05	1.44E-05	1.61E-04	7.18E-06	2.29E-10	3.26E-07	3.94E-07	7.90E-06
4171	476863.09	3855877.25	2.39E-05	3.65E-10	3.67E-07	4.31E-07	2.47E-05	1.13E-05	1.50E-04	2.75E-05	1.58E-05	2.05E-04	1.07E-05	2.99E-10	3.67E-07	4.31E-07	1.15E-05
4172	477363.09	3855877.25	2.96E-05	4.17E-10	4.07E-07	4.56E-07	3.05E-05	1.40E-05	1.72E-04	3.05E-05	1.67E-05	2.33E-04	1.33E-05	3.43E-10	4.07E-07	4.56E-07	1.41E-05
4173	477863.09	3855877.25	3.64E-05	4.82E-10	4.36E-07	4.87E-07	3.73E-05	1.72E-05	1.99E-04	3.27E-05	1.79E-05	2.67E-04	1.63E-05	3.96E-10	4.36E-07	4.87E-07	1.72E-05
4174	478363.09	3855877.25	4.78E-05	5.74E-10	4.77E-07	5.28E-07	4.88E-05	2.25E-05	2.37E-04	3.58E-05	1.94E-05	3.14E-04	2.14E-05	4.71E-10	4.77E-07	5.28E-07	2.24E-05
4175	478863.09	3855877.25	6.36E-05	7.00E-10	5.35E-07	5.79E-07	6.47E-05	3.00E-05	2.89E-04	4.01E-05	2.12E-05	3.80E-04	2.85E-05	5.75E-10	5.35E-07	5.79E-07	2.96E-05
4176	479363.09	3855877.25	8.95E-05	8.78E-10	6.14E-07	6.50E-07	9.08E-05	4.22E-05	3.62E-04	4.61E-05	2.38E-05	4.74E-04	4.01E-05	7.20E-10	6.14E-07	6.50E-07	4.14E-05
4177	479863.09	3855877.25	1.21E-04	1.10E-09	6.91E-07	7.35E-07	1.23E-04	5.72E-05	4.53E-04	5.19E-05	2.69E-05	5.89E-04	5.44E-05	9.02E-10	6.91E-07	7.35E-07	5.59E-05
4178	480363.09	3855877.25	1.71E-04	1.48E-09	7.29E-07	8.46E-07	1.73E-04	8.08E-05	6.08E-04	5.47E-05	3.10E-05	7.75E-04	7.68E-05	1.21E-09	7.29E-07	8.46E-07	7.84E-05
4179	480863.09	3855877.25	2.38E-04	2.14E-09	7.05E-07	9.63E-07	2.40E-04	1.12E-04	8.81E-04	5.29E-05	3.53E-05	1.08E-03	1.07E-04	1.75E-09	7.05E-07	9.63E-07	1.08E-04
4180	481363.09	3855877.25	2.80E-04	2.43E-09	7.10E-07	1.10E-06	2.81E-04	1.32E-04	1.00E-03	5.33E-05	4.02E-05	1.23E-03	1.25E-04	2.00E-09	7.10E-07	1.10E-06	1.27E-04
4181	481863.09	3855877.25	3.84E-04	5.79E-09	7.14E-07	1.27E-06	3.86E-04	1.81E-04	2.38E-03	5.36E-05	4.67E-05	2.67E-03	1.72E-04	4.75E-09	7.14E-07	1.27E-06	1.74E-04
4182	482363.09	3855877.25	4.50E-04	1.31E-08	7.46E-07	1.79E-06	4.53E-04	2.12E-04	5.38E-03	5.59E-05	6.57E-05	5.71E-03	2.02E-04	1.07E-08	7.46E-07	1.79E-06	2.05E-04
4183	482863.09	3855877.25	5.92E-04	2.44E-08	7.25E-07	2.85E-06	5.96E-04	2.79E-04	1.00E-02	5.44E-05	1.04E-04	1.05E-02	2.66E-04	2.00E-08	7.25E-07	2.85E-06	2.69E-04
4184	483363.09	3855877.25	8.15E-04	9.66E-08	6.52E-07	5.14E-06	8.21E-04	3.85E-04	3.98E-02	4.89E-05	1.89E-04	4.04E-02	3.66E-04	7.92E-08	6.52E-07	5.14E-06	3.72E-04
4185	483863.09	3855877.25	1.18E-03	6.91E-08	5.62E-07	6.85E-06	1.18E-03	5.54E-04	2.85E-02	4.22E-05	2.51E-04	2.93E-02	5.27E-04	5.67E-08	5.62E-07	6.85E-06	5.35E-04
4186	484363.09	3855877.25	2.09E-03	3.66E-08	5.19E-07	1.33E-05	2.10E-03	9.86E-04	1.51E-02	3.89E-05	4.89E-04	1.66E-02	9.37E-04	3.00E-08	5.19E-07	1.33E-05	9.51E-04
4187	484863.09	3855877.25	4.55E-03	2.39E-08	5.22E-07	1.28E-05	4.56E-03	2.14E-03	9.83E-03	3.92E-05	4.68E-04	1.25E-02	2.04E-03	1.96E-08	5.22E-07	1.28E-05	2.05E-03
4188	485363.09	3855877.25	3.41E-02	1.85E-08	5.61E-07	9.63E-06	3.41E-02	1.61E-02	7.61E-03	4.21E-05	3.53E-04	2.41E-02	1.53E-02	1.52E-08	5.61E-07	9.63E-06	1.53E-02
4189	485863.09	3855877.25	2.15E-02	1.43E-08	6.00E-07	7.71E-06	2.15E-02	1.01E-02	5.90E-03	4.50E-05	2.83E-04	1.64E-02	9.63E-03	1.18E-08	6.00E-07	7.71E-06	9.64E-03
4190	486363.09	3855877.25	8.72E-03	1.14E-08	7.79E-07	6.29E-06	8.73E-03	4.11E-03	4.68E-03	5.84E-05	2.31E-04	9.08E-03	3.91E-03	9.33E-09	7.79E-07	6.29E-06	3.92E-03
4191	486863.09	3855877.25	5.62E-03	9.87E-09	1.04E-06	5.11E-06	5.63E-03	2.65E-03	4.07E-03	7.78E-05	1.87E-04	6.98E-03	2.52E-03	8.10E-09	1.04E-06	5.11E-06	2.53E-03
4192	487363.09	3855877.25	4.51E-03	9.55E-09	1.34E-06	4.26E-06	4.51E-03	2.13E-03	3.93E-03	1.00E-04	1.56E-04	6.32E-03	2.02E-03	7.84E-09	1.34E-06	4.26E-06	2.03E-03
4193	487863.09	3855877.25	3.72E-03	9.28E-09	1.15E-06	3.63E-06	3.73E-03	1.76E-03	3.83E-03	8.62E-05	1.33E-04	5.80E-03	1.67E-03	7.62E-09	1.15E-06	3.63E-06	1.67E-03
4194	488363.09	3855877.25	3.10E-03	8.82E-09	1.01E-06	3.18E-06	3.10E-03	1.46E-03	3.64E-03	7.57E-05	1.17E-04	5.29E-03	1.39E-03	7.24E-09	1.01E-06	3.18E-06	1.39E-03
4195	488863.09	3855877.25	2.62E-03	8.42E-09	1.31E-06	2.88E-06	2.63E-03	1.24E-03	3.47E-03	9.85E-05	1.06E-04	4.91E-03	1.18E-03	6.91E-09	1.31E-06	2.88E-06	1.18E-03
4196	489363.09	3855877.25	2.23E-03	7.97E-09	1.36E-06	2.64E-06	2.23E-03	1.05E-03	3.28E-03	1.02E-04	9.68E-05	4.54E-03	1.00E-03	6.54E-09	1.36E-06	2.64E-06	1.00E-03
4197	489863.09	3855877.25	1.91E-03	7.49E-09	1.76E-06	2.51E-06	1.91E-03	8.99E-04	3.09E-03	1.32E-04	9.19E-05	4.21E-03	8.55E-04	6.15E-09	1.76E-06	2.51E-06	8.60E-04
4198	490363.09	3855877.25	1.65E-03	7.13E-09	2.59E-06	2.39E-06	1.65E-03	7.77E-04	2.94E-03	1.94E-04	8.78E-05	4.00E-03	7.39E-04	5.85E-09	2.59E-06	2.39E-06	7.44E-04
4199	490863.09	3855877.25	1.42E-03	6.48E-09	2.81E-06	2.28E-06	1.42E-03	6.69E-04	2.67E-03	2.11E-04	8.35E-05	3.63E-03	6.36E-04	5.32E-09	2.81E-06	2.28E-06	6.41E-04
4200	491363.09	3855877.25	1.17E-03	5.39E-09	3.81E-06	2.16E-06	1.18E-03	5.53E-04	2.22E-03	2.86E-04	7.93E-05	3.14E-03	5.26E-04	4.42E-09	3.81E-06	2.16E-06	5.32E-04
4201	491863.09	3855877.25	1.09E-03	5.88E-09	4.15E-06	2.15E-06	1.10E-03	5.16E-04	2.42E-03	3.11E-04	7.89E-05	3.33E-03	4.90E-04	4.82E-09	4.15E-06	2.15E-06	4.97E-04
4202	492363.09	3855877.25	9.55E-04	5.36E-09	4.72E-06	2.13E-06	9.62E-04	4.51E-04	2.21E-03	3.54E-04	7.79E-05	3.09E-03	4.28E-04	4.40E-09	4.72E-06	2.13E-06	4.35E-04
4203	492863.09	3855877.25	8.41E-04	4.97E-09	5.22E-06	2.06E-06	8.48E-04	3.97E-04	2.05E-03	3.92E-04	7.54E-05	2.91E-03	3.77E-04	4.08E-09	5.22E-06	2.06E-06	3.84E-04
4204	493363.09	3855877.25	6.46E-04	3.88E-09	5.01E-06	1.87E-06	6.53E-04	3.05E-04	1.60E-03	3.76E-04	6.86E-05	2.35E-03	2.90E-04	3.18E-09	5.01E-06	1.87E-06	2.97E-04
4205	493863.09	3855877.25	4.44E-04	2.96E-09	4.20E-06	1.68E-06	4.50E-04	2.09E-04	1.22E-03	3.15E-04	6.16E-05	1.81E-03	1.99E-04	2.43E-09	4.20E-06	1.68E-06	2.05E-04

4206	494363.09	3855877.25	3.03E-04	2.31E-09	3.85E-06	1.55E-06	3.09E-04	1.43E-04	9.53E-04	2.89E-04	5.69E-05	1.44E-03	1.36E-04	1.90E-09	3.85E-06	1.55E-06	1.41E-04
4207	494863.09	3855877.25	2.21E-04	1.91E-09	3.68E-06	1.47E-06	2.27E-04	1.04E-04	7.88E-04	2.76E-04	5.39E-05	1.22E-03	9.93E-05	1.57E-09	3.68E-06	1.47E-06	1.04E-04
4208	495363.09	3855877.25	1.55E-04	1.51E-09	3.31E-06	1.36E-06	1.60E-04	7.31E-05	6.22E-04	2.48E-04	5.00E-05	9.94E-04	6.95E-05	1.24E-09	3.31E-06	1.36E-06	7.41E-05
4209	495863.09	3855877.25	1.45E-04	1.48E-09	3.26E-06	1.34E-06	1.49E-04	6.82E-05	6.09E-04	2.44E-04	4.93E-05	9.71E-04	6.49E-05	1.21E-09	3.26E-06	1.34E-06	6.95E-05
4210	496363.09	3855877.25	1.37E-04	1.46E-09	3.22E-06	1.33E-06	1.42E-04	6.48E-05	6.02E-04	2.41E-04	4.88E-05	9.57E-04	6.16E-05	1.20E-09	3.22E-06	1.33E-06	6.62E-05
4211	496863.09	3855877.25	1.37E-04	1.50E-09	3.25E-06	1.33E-06	1.42E-04	6.48E-05	6.17E-04	2.44E-04	4.89E-05	9.75E-04	6.17E-05	1.23E-09	3.25E-06	1.33E-06	6.62E-05
4212	497363.09	3855877.25	1.39E-04	1.54E-09	3.27E-06	1.34E-06	1.43E-04	6.55E-05	6.35E-04	2.45E-04	4.90E-05	9.95E-04	6.22E-05	1.26E-09	3.27E-06	1.34E-06	6.69E-05
4213	497863.09	3855877.25	1.43E-04	1.61E-09	3.31E-06	1.34E-06	1.48E-04	6.75E-05	6.62E-04	2.48E-04	4.91E-05	1.03E-03	6.42E-05	1.32E-09	3.31E-06	1.34E-06	6.88E-05
4214	498363.09	3855877.25	1.59E-04	1.76E-09	3.35E-06	1.35E-06	1.64E-04	7.51E-05	7.26E-04	2.51E-04	4.96E-05	1.10E-03	7.14E-05	1.45E-09	3.35E-06	1.35E-06	7.61E-05
4215	471363.09	3856377.25	3.65E-05	4.70E-10	2.58E-07	2.98E-07	3.70E-05	1.72E-05	1.94E-04	1.93E-05	1.09E-05	2.41E-04	1.63E-05	3.86E-10	2.58E-07	2.98E-07	1.69E-05
4216	471863.09	3856377.25	3.83E-05	4.86E-10	2.69E-07	3.09E-07	3.89E-05	1.81E-05	2.00E-04	2.02E-05	1.13E-05	2.50E-04	1.72E-05	3.98E-10	2.69E-07	3.09E-07	1.77E-05
4217	472363.09	3856377.25	4.13E-05	5.20E-10	2.87E-07	3.24E-07	4.19E-05	1.95E-05	2.14E-04	2.15E-05	1.19E-05	2.67E-04	1.85E-05	4.27E-10	2.87E-07	3.24E-07	1.91E-05
4218	472863.09	3856377.25	4.49E-05	5.66E-10	3.08E-07	3.40E-07	4.56E-05	2.12E-05	2.33E-04	2.31E-05	1.25E-05	2.90E-04	2.01E-05	4.64E-10	3.08E-07	3.40E-07	2.08E-05
4219	473363.09	3856377.25	4.85E-05	6.03E-10	3.27E-07	3.56E-07	4.91E-05	2.29E-05	2.49E-04	2.46E-05	1.31E-05	3.09E-04	2.17E-05	4.95E-10	3.27E-07	3.56E-07	2.24E-05
4220	473863.09	3856377.25	5.38E-05	6.83E-10	3.51E-07	3.77E-07	5.45E-05	2.54E-05	2.81E-04	2.63E-05	1.38E-05	3.47E-04	2.41E-05	5.60E-10	3.51E-07	3.77E-07	2.49E-05
4221	474363.09	3856377.25	5.50E-05	6.55E-10	3.67E-07	3.89E-07	5.58E-05	2.60E-05	2.70E-04	2.75E-05	1.43E-05	3.38E-04	2.47E-05	5.38E-10	3.67E-07	3.89E-07	2.54E-05
4222	474863.09	3856377.25	5.43E-05	6.07E-10	4.39E-07	4.15E-07	5.52E-05	2.56E-05	2.50E-04	3.29E-05	1.52E-05	3.24E-04	2.44E-05	4.98E-10	4.39E-07	4.15E-07	2.52E-05
4223	475363.09	3856377.25	4.60E-05	5.07E-10	3.62E-07	4.06E-07	4.67E-05	2.17E-05	2.09E-04	2.72E-05	1.49E-05	2.73E-04	2.06E-05	4.16E-10	3.62E-07	4.06E-07	2.14E-05
4224	475863.09	3856377.25	3.23E-05	4.07E-10	3.04E-07	4.00E-07	3.30E-05	1.52E-05	1.68E-04	2.28E-05	1.47E-05	2.20E-04	1.45E-05	3.34E-10	3.04E-07	4.00E-07	1.52E-05
4225	476363.09	3856377.25	3.05E-05	4.04E-10	3.12E-07	4.18E-07	3.12E-05	1.44E-05	1.66E-04	2.34E-05	1.53E-05	2.19E-04	1.37E-05	3.31E-10	3.12E-07	4.18E-07	1.44E-05
4226	476863.09	3856377.25	3.15E-05	4.23E-10	3.33E-07	4.41E-07	3.23E-05	1.49E-05	1.74E-04	2.49E-05	1.62E-05	2.30E-04	1.41E-05	3.47E-10	3.33E-07	4.41E-07	1.49E-05
4227	477363.09	3856377.25	3.42E-05	4.54E-10	3.56E-07	4.66E-07	3.50E-05	1.61E-05	1.87E-04	2.67E-05	1.71E-05	2.47E-04	1.53E-05	3.73E-10	3.56E-07	4.66E-07	1.61E-05
4228	477863.09	3856377.25	2.77E-05	4.21E-10	3.78E-07	4.88E-07	2.86E-05	1.31E-05	1.74E-04	2.83E-05	1.79E-05	2.33E-04	1.24E-05	3.46E-10	3.78E-07	4.88E-07	1.33E-05
4229	478363.09	3856377.25	2.50E-05	4.14E-10	3.92E-07	5.14E-07	2.59E-05	1.18E-05	1.70E-04	2.94E-05	1.88E-05	2.30E-04	1.12E-05	3.39E-10	3.92E-07	5.14E-07	1.21E-05
4230	478863.09	3856377.25	5.07E-05	6.22E-10	4.59E-07	5.71E-07	5.18E-05	2.39E-05	2.56E-04	3.44E-05	2.09E-05	3.36E-04	2.27E-05	5.11E-10	4.59E-07	5.71E-07	2.38E-05
4231	479363.09	3856377.25	6.80E-05	7.62E-10	5.48E-07	6.36E-07	6.92E-05	3.21E-05	3.14E-04	4.11E-05	2.33E-05	4.11E-04	3.05E-05	6.26E-10	5.48E-07	6.36E-07	3.17E-05
4232	479863.09	3856377.25	1.18E-04	1.10E-09	7.44E-07	7.55E-07	1.19E-04	5.56E-05	4.54E-04	5.58E-05	2.77E-05	5.93E-04	5.29E-05	9.04E-10	7.44E-07	7.55E-07	5.44E-05
4233	480363.09	3856377.25	1.79E-04	1.60E-09	8.08E-07	8.62E-07	1.80E-04	8.42E-05	6.61E-04	6.06E-05	3.16E-05	8.38E-04	8.01E-05	1.32E-09	8.08E-07	8.62E-07	8.18E-05
4234	480863.09	3856377.25	2.36E-04	2.28E-09	7.58E-07	9.16E-07	2.37E-04	1.11E-04	9.39E-04	5.68E-05	3.36E-05	1.14E-03	1.06E-04	1.87E-09	7.58E-07	9.16E-07	1.07E-04
4235	481363.09	3856377.25	3.03E-04	3.45E-09	7.55E-07	1.01E-06	3.05E-04	1.43E-04	1.42E-03	5.66E-05	3.70E-05	1.66E-03	1.36E-04	2.83E-09	7.55E-07	1.01E-06	1.38E-04
4236	481863.09	3856377.25	3.77E-04	6.50E-09	7.65E-07	1.15E-06	3.79E-04	1.78E-04	2.68E-03	5.73E-05	4.23E-05	2.96E-03	1.69E-04	5.34E-09	7.65E-07	1.15E-06	1.71E-04
4237	482363.09	3856377.25	4.44E-04	1.22E-08	8.16E-07	1.57E-06	4.47E-04	2.10E-04	5.02E-03	6.12E-05	5.77E-05	5.35E-03	1.99E-04	9.99E-09	8.16E-07	1.57E-06	2.02E-04
4238	482863.09	3856377.25	5.59E-04	1.97E-08	8.58E-07	2.31E-06	5.62E-04	2.64E-04	8.10E-03	6.44E-05	8.48E-05	8.51E-03	2.51E-04	1.61E-08	8.58E-07	2.31E-06	2.54E-04
4239	483363.09	3856377.25	7.22E-04	6.58E-08	8.88E-07	4.80E-06	7.28E-04	3.40E-04	2.71E-02	6.66E-05	1.76E-04	2.77E-02	3.24E-04	5.40E-08	8.88E-07	4.80E-06	3.29E-04
4240	483863.09	3856377.25	9.91E-04	1.39E-07	8.84E-07	1.19E-05	1.00E-03	4.67E-04	5.71E-02	6.63E-05	4.35E-04	5.80E-02	4.44E-04	1.14E-07	8.84E-07	1.19E-05	4.57E-04
4241	484363.09	3856377.25	1.41E-03	1.37E-07	8.10E-07	1.89E-05	1.43E-03	6.64E-04	5.64E-02	6.08E-05	6.94E-04	5.78E-02	6.31E-04	1.12E-07	8.10E-07	1.89E-05	6.51E-04
4242	484863.09	3856377.25	2.13E-03	6.33E-08	7.08E-07	2.54E-05	2.16E-03	1.00E-03	2.61E-02	5.31E-05	9.32E-04	2.81E-02	9.55E-04	5.19E-08	7.08E-07	2.54E-05	9.81E-04
4243	485363.09	3856377.25	3.96E-03	3.95E-08	6.65E-07	1.69E-05	3.97E-03	1.87E-03	1.63E-02	4.99E-05	6.19E-04	1.88E-02	1.77E-03	3.24E-08	6.65E-07	1.69E-05	1.79E-03
4244	485863.09	3856377.25	2.04E-02	2.75E-08	7.13E-07	9.83E-06	2.04E-02	9.63E-03	1.13E-02	5.35E-05	3.60E-04	2.14E-02	9.16E-03	2.26E-08	7.13E-07	9.83E-06	9.17E-03
4245	486363.09	3856377.25	2.43E-02	1.80E-08	7.88E-07	6.67E-06	2.43E-02	1.15E-02	7.42E-03	5.91E-05	2.45E-04	1.92E-02	1.09E-02	1.48E-08	7.88E-07	6.67E-06	1.09E-02
4246	486863.09	3856377.25	1.08E-02	1.58E-08	9.90E-07	4.94E-06	1.08E-02	5.08E-03	6.50E-03	7.42E-05	1.81E-04	1.18E-02	4.83E-03	1.29E-08	9.90E-07	4.94E-06	4.83E-03
4247	487363.09	3856377.25	7.19E-03	1.45E-08	1.34E-06	3.95E-06	7.20E-03	3.39E-03	5.97E-03	1.01E-04	1.45E-04	9.61E-03	3.23E-03	1.19E-08	1.34E-06	3.95E-06	3.23E-03
4248	487863.09	3856377.25	5.35E-03	1.36E-08	1.57E-06	3.28E-06	5.35E-03	2.52E-03	5.62E-03	1.18E-04	1.20E-04	8.38E-03	2.40E-03	1.12E-08	1.57E-06	3.28E-06	2.40E-03
4249	488363.09	3856377.25	4.11E-03	1.25E-08	1.37E-06	2.85E-06	4.12E-03	1.94E-03	5.16E-03	1.03E-04	1.05E-04	7.31E-03	1.84E-03	1.03E-08	1.37E-06	2.85E-06	1.85E-03
4250	488863.09	3856377.25	3.24E-03	1.15E-08	1.61E-06	2.58E-06	3.24E-03	1.53E-03	4.75E-03	1.21E-04	9.48E-05	6.50E-03	1.45E-03	9.47E-09	1.61E-06	2.58E-06	1.46E-03
4251	489363.09	3856377.25	2.61E-03	1.07E-08	2.07E-06	2.44E-06	2.61E-03	1.23E-03	4.39E-03	1.55E-04	8.96E-05	5.87E-03	1.17E-03	8.75E-09	2.07E-06	2.44E-06	1.17E-03
4252	489863.09	3856377.25	2.14E-03	9.87E-09	3.41E-06	2.35E-06	2.15E-03	1.01E-03	4.07E-03	2.55E-04	8.63E-05	5.42E-03	9.61E-04	8.10E-09	3.41E-06	2.35E-06	9.67E-04
4253	490363.09	3856377.25	1.79E-03	9.05E-09	4.07E-06	2.25E-06	1.80E-03	8.45E-04	3.73E-03	3.05E-04	8.24E-05	4.96E-03	8.04E-04	7.42E-09	4.07E-06	2.25E-06	8.10E-04
4254	490863.09	3856377.25	1.52E-03	8.32E-09	5.17E-06	2.18E-06	1.53E-03	7.17E-04	3.43E-03	3.88E-04	7.98E-05	4.61E-03	6.81E-04	6.83E-09	5.17E-06	2.18E-06	6.89E-04
4255	491363.09	3856377.25	1.31E-03	7.74E-09	5.94E-06	2.19E-06	1.31E-03	6.16E-04	3.19E-03	4.45E-04	8.01E-05	4.33E-03	5.85E-04	6.35E-09	5.94E-06	2.19E-06	5.94E-04
4256	491863.09	3856377.25	1.13E-03	7.10E-09	6.59E-06	2.18E-06	1.14E-03	5.33E-04	2.92E-03	4.94E-04	8.00E-05	4.03E-03	5.07E-04	5.83E-09	6.59E-06	2.18E-06	5.15E-04
4257	492363.09	3856377.25	9.72E-04	6.31E-09	6.83E-06	2.15E-06	9.81E-04	4.59E-04	2.60E-03	5.12E-04	7.89E-05	3.65E-03	4.36E-04	5.18E-09	6.83E-06	2.15E-06	4.45E-04
4258	492863.09	3856377.25	7.86E-04	5.14E-09	6.60E-06	2.04E-06	7.94E-04	3.71E-04	2.12E-03	4.95E-04	7.48E-05	3.06E-03	3.52E-04	4.22E-09	6.60E-06	2.04E-06	3.61E-04
4259	493363.09	3856377.25	4.95E-04	3.57E-09	5.57E-06	1.79E-06	5.02E-04	2.33E-04	1.47E-03	4.18E-04	6.55E-05	2.19E-03	2.22E-04	2.93E-09	5.57E-06	1.79E-06	2.29E-04
4260	493863.09	3856377.25	3.69E-04	2.98E-09	5.12E-06	1.68E-06	3.76E-04	1.74E-04	1.23E-03	3.84E-04	6.17E-05	1.85E-03	1.65E-04	2.45E-09	5.12E-06	1.68E-06	1.72E-04
4261	494363.09	3856377.25	2.58E-04	2.39E-09	4.69E-06	1.58E-06	2.64E-04	1.22E-04	9.84E-04	3.52E-04	5.80E-05	1.52E-03	1.16E-04	1.96E-09	4.69E-06	1.58E-06	1.22E-04
4262	494863.09	3856377.25	1.87E-04	1.95E-09	4.27E-06	1.49E-06	1.93E-04	8.83E-05	8.04E-04	3.20E-04	5.47E-05	1.27E-03	8.40E-05	1.60E-09	4.27E-06	1.49E-06	8.97E-05
4263	495363.09	3856377.25	1.48E-04	1.67E-09	3.83E-06	1.42E-06	1.53E-04	6.98E-05	6.89E-04	2.87E-04	5.19E-05	1.10E-03	6.64E-05	1.37E-09	3.83E-06	1.42E-06	7.16E-05
4264	495863.09	3856377.25	1.37E-04	1.62E-09	3.67E-06	1.39E-06	1.42E-04	6.47E-05	6.66E-04	2.75E-04	5.09E-05	1.06E-03	6.15E-05	1.33E-09	3.67E-06	1.39E-06	6.66E-05
4265	496363.09	3856377.25	1.35E-04	1.63E-09	3.60E-06	1.38E-06	1.40E-04	6.34E-05	6.72E-04	2.70E-04	5.06E-05	1.06E-03	6.03E-05	1.34E-09	3.60E-06	1.38E-06	6.53E-05
4266	496863.09	3856377.25	1.40E-04	1.72E-09	3.66E-06	1.40E-06	1.46E-04	6.62E-05	7.07E-04	2.74E-04	5.13E-05	1.10E-03	6.30E-05	1.41E-09	3.66E-06	1.40E-06	6.80E-05

4267	497363.09	3856377.25	1.46E-04	1.80E-09	3.66E-06	1.40E-06	1.51E-04	6.88E-05	7.40E-04	2.74E-04	5.13E-05	1.13E-03	6.55E-05	1.47E-09	3.66E-06	1.40E-06	7.05E-05
4268	497863.09	3856377.25	1.56E-04	1.91E-09	3.62E-06	1.40E-06	1.61E-04	7.38E-05	7.88E-04	2.71E-04	5.14E-05	1.18E-03	7.01E-05	1.57E-09	3.62E-06	1.40E-06	7.52E-05
4269	498363.09	3856377.25	1.72E-04	2.07E-09	3.62E-06	1.41E-06	1.77E-04	8.10E-05	8.52E-04	2.71E-04	5.16E-05	1.26E-03	7.70E-05	1.70E-09	3.62E-06	1.41E-06	8.21E-05
4270	471363.09	3856877.25	3.74E-05	4.86E-10	2.62E-07	2.94E-07	3.80E-05	1.77E-05	2.00E-04	1.96E-05	1.08E-05	2.48E-04	1.68E-05	3.99E-10	2.62E-07	2.94E-07	1.73E-05
4271	471863.09	3856877.25	3.91E-05	4.95E-10	2.68E-07	3.06E-07	3.96E-05	1.84E-05	2.04E-04	2.01E-05	1.12E-05	2.54E-04	1.75E-05	4.07E-10	2.68E-07	3.06E-07	1.81E-05
4272	472363.09	3856877.25	4.19E-05	5.29E-10	2.78E-07	3.21E-07	4.25E-05	1.98E-05	2.18E-04	2.09E-05	1.18E-05	2.70E-04	1.88E-05	4.34E-10	2.78E-07	3.21E-07	1.94E-05
4273	472863.09	3856877.25	4.50E-05	5.64E-10	2.88E-07	3.38E-07	4.56E-05	2.12E-05	2.32E-04	2.16E-05	1.24E-05	2.87E-04	2.02E-05	4.62E-10	2.88E-07	3.38E-07	2.08E-05
4274	473363.09	3856877.25	5.00E-05	6.41E-10	3.03E-07	3.59E-07	5.06E-05	2.36E-05	2.64E-04	2.27E-05	1.32E-05	3.23E-04	2.24E-05	5.26E-10	3.03E-07	3.59E-07	2.31E-05
4275	473863.09	3856877.25	5.36E-05	6.82E-10	3.14E-07	3.78E-07	5.43E-05	2.53E-05	2.81E-04	2.35E-05	1.39E-05	3.44E-04	2.40E-05	5.60E-10	3.14E-07	3.78E-07	2.47E-05
4276	474363.09	3856877.25	5.42E-05	6.47E-10	3.23E-07	3.90E-07	5.49E-05	2.55E-05	2.66E-04	2.42E-05	1.43E-05	3.31E-04	2.43E-05	5.31E-10	3.23E-07	3.90E-07	2.50E-05
4277	474863.09	3856877.25	5.28E-05	5.94E-10	3.64E-07	4.17E-07	5.36E-05	2.49E-05	2.45E-04	2.73E-05	1.53E-05	3.12E-04	2.37E-05	4.88E-10	3.64E-07	4.17E-07	2.45E-05
4278	475363.09	3856877.25	4.68E-05	5.19E-10	3.33E-07	4.09E-07	4.76E-05	2.21E-05	2.14E-04	2.50E-05	1.50E-05	2.76E-04	2.10E-05	4.26E-10	3.33E-07	4.09E-07	2.18E-05
4279	475863.09	3856877.25	4.76E-05	5.28E-10	3.42E-07	4.24E-07	4.84E-05	2.25E-05	2.17E-04	2.56E-05	1.55E-05	2.81E-04	2.14E-05	4.33E-10	3.42E-07	4.24E-07	2.21E-05
4280	476363.09	3856877.25	4.19E-05	4.90E-10	3.33E-07	4.25E-07	4.26E-05	1.97E-05	2.02E-04	2.50E-05	1.56E-05	2.62E-04	1.88E-05	4.02E-10	3.33E-07	4.25E-07	1.95E-05
4281	476863.09	3856877.25	4.05E-05	4.92E-10	3.27E-07	4.43E-07	4.13E-05	1.91E-05	2.03E-04	2.46E-05	1.62E-05	2.63E-04	1.82E-05	4.04E-10	3.27E-07	4.43E-07	1.90E-05
4282	477363.09	3856877.25	3.60E-05	4.71E-10	3.29E-07	4.57E-07	3.68E-05	1.70E-05	1.94E-04	2.47E-05	1.68E-05	2.52E-04	1.62E-05	3.87E-10	3.29E-07	4.57E-07	1.69E-05
4283	477863.09	3856877.25	2.47E-05	3.97E-10	3.22E-07	4.73E-07	2.55E-05	1.16E-05	1.63E-04	2.42E-05	1.73E-05	2.17E-04	1.11E-05	3.26E-10	3.22E-07	4.73E-07	1.19E-05
4284	478363.09	3856877.25	2.22E-05	3.86E-10	3.38E-07	4.96E-07	2.30E-05	1.05E-05	1.59E-04	2.54E-05	1.82E-05	2.13E-04	9.95E-06	3.17E-10	3.38E-07	4.96E-07	1.08E-05
4285	478863.09	3856877.25	2.88E-05	4.58E-10	3.74E-07	5.33E-07	2.97E-05	1.36E-05	1.89E-04	2.81E-05	1.95E-05	2.50E-04	1.29E-05	3.76E-10	3.74E-07	5.33E-07	1.38E-05
4286	479363.09	3856877.25	3.98E-05	5.64E-10	4.07E-07	5.76E-07	4.08E-05	1.88E-05	2.32E-04	3.06E-05	2.11E-05	3.03E-04	1.78E-05	4.63E-10	4.07E-07	5.76E-07	1.88E-05
4287	479863.09	3856877.25	1.09E-04	1.04E-09	7.24E-07	7.47E-07	1.10E-04	5.13E-05	4.28E-04	5.43E-05	2.74E-05	5.61E-04	4.88E-05	8.52E-10	7.24E-07	7.47E-07	5.03E-05
4288	480363.09	3856877.25	1.78E-04	1.60E-09	8.30E-07	9.06E-07	1.80E-04	8.40E-05	6.57E-04	6.23E-05	3.32E-05	8.37E-04	7.99E-05	1.31E-09	8.30E-07	9.06E-07	8.16E-05
4289	480863.09	3856877.25	2.42E-04	2.51E-09	6.58E-07	8.83E-07	2.44E-04	1.14E-04	1.04E-03	4.94E-05	3.24E-05	1.23E-03	1.09E-04	2.06E-09	6.58E-07	8.83E-07	1.10E-04
4290	481363.09	3856877.25	3.05E-04	3.84E-09	6.57E-07	9.26E-07	3.06E-04	1.44E-04	1.58E-03	4.93E-05	3.39E-05	1.81E-03	1.37E-04	3.15E-09	6.57E-07	9.26E-07	1.38E-04
4291	481863.09	3856877.25	3.66E-04	5.37E-09	7.08E-07	1.05E-06	3.68E-04	1.73E-04	2.21E-03	5.31E-05	3.86E-05	2.48E-03	1.64E-04	4.41E-09	7.08E-07	1.05E-06	1.66E-04
4292	482363.09	3856877.25	4.12E-04	1.06E-08	7.82E-07	1.21E-06	4.14E-04	1.94E-04	4.35E-03	5.87E-05	4.43E-05	4.65E-03	1.85E-04	8.67E-09	7.82E-07	1.21E-06	1.87E-04
4293	482863.09	3856877.25	4.90E-04	1.64E-08	8.58E-07	1.52E-06	4.93E-04	2.31E-04	6.78E-03	6.44E-05	5.56E-05	7.13E-03	2.20E-04	1.35E-08	8.58E-07	1.52E-06	2.22E-04
4294	483363.09	3856877.25	6.13E-04	3.12E-08	9.47E-07	2.31E-06	6.16E-04	2.89E-04	1.28E-02	7.11E-05	8.46E-05	1.33E-02	2.75E-04	2.56E-08	9.47E-07	2.31E-06	2.78E-04
4295	483863.09	3856877.25	7.92E-04	1.28E-07	1.04E-06	3.34E-06	7.97E-04	3.74E-04	5.29E-02	7.78E-05	1.22E-04	5.35E-02	3.55E-04	1.05E-07	1.04E-06	3.34E-06	3.60E-04
4296	484363.09	3856877.25	1.04E-03	1.67E-07	1.12E-06	5.39E-06	1.05E-03	4.91E-04	6.86E-02	8.38E-05	1.98E-04	6.94E-02	4.67E-04	1.37E-07	1.12E-06	5.39E-06	4.73E-04
4297	484863.09	3856877.25	1.36E-03	1.96E-07	1.15E-06	6.87E-06	1.37E-03	6.44E-04	8.07E-02	8.63E-05	2.52E-04	8.17E-02	6.12E-04	1.61E-07	1.15E-06	6.87E-06	6.20E-04
4298	485363.09	3856877.25	1.99E-03	8.32E-08	1.12E-06	8.40E-06	1.99E-03	9.36E-04	3.43E-02	8.40E-05	3.08E-04	3.56E-02	8.90E-04	6.83E-08	1.12E-06	8.40E-06	9.00E-04
4299	485863.09	3856877.25	3.36E-03	5.00E-08	1.00E-06	5.42E-06	3.37E-03	1.58E-03	2.06E-02	7.53E-05	1.99E-04	2.24E-02	1.51E-03	4.10E-08	1.00E-06	5.42E-06	1.51E-03
4300	486363.09	3856877.25	1.16E-02	2.59E-08	9.94E-07	4.17E-06	1.16E-02	5.46E-03	1.07E-02	7.46E-05	1.53E-04	1.64E-02	5.20E-03	2.13E-08	9.94E-07	4.17E-06	5.20E-03
4301	486863.09	3856877.25	4.36E-02	2.22E-08	1.19E-06	3.36E-06	4.36E-02	2.06E-02	9.14E-03	8.89E-05	1.23E-04	2.99E-02	1.96E-02	1.82E-08	1.19E-06	3.36E-06	1.96E-02
4302	487363.09	3856877.25	1.17E-02	1.98E-08	1.61E-06	2.88E-06	1.17E-02	5.51E-03	8.17E-03	1.21E-04	1.06E-04	1.39E-02	5.24E-03	1.63E-08	1.61E-06	2.88E-06	5.25E-03
4303	487863.09	3856877.25	6.42E-03	1.79E-08	2.42E-06	2.61E-06	6.43E-03	3.03E-03	7.38E-03	1.82E-04	9.56E-05	1.07E-02	2.88E-03	1.47E-08	2.42E-06	2.61E-06	2.88E-03
4304	488363.09	3856877.25	4.24E-03	1.63E-08	2.20E-06	2.42E-06	4.24E-03	2.00E-03	6.71E-03	1.65E-04	8.87E-05	8.97E-03	1.90E-03	1.34E-08	2.20E-06	2.42E-06	1.91E-03
4305	488863.09	3856877.25	3.12E-03	1.47E-08	2.85E-06	2.36E-06	3.13E-03	1.47E-03	6.05E-03	2.14E-04	8.66E-05	7.82E-03	1.40E-03	1.20E-08	2.85E-06	2.36E-06	1.40E-03
4306	489363.09	3856877.25	2.44E-03	1.35E-08	5.72E-06	2.35E-06	2.44E-03	1.15E-03	5.55E-03	4.29E-04	8.62E-05	7.22E-03	1.09E-03	1.11E-08	5.72E-06	2.35E-06	1.10E-03
4307	489863.09	3856877.25	1.99E-03	1.23E-08	7.85E-06	2.29E-06	2.00E-03	9.36E-04	5.07E-03	5.89E-04	8.41E-05	6.68E-03	8.90E-04	1.01E-08	7.85E-06	2.29E-06	9.00E-04
4308	490363.09	3856877.25	1.66E-03	1.11E-08	9.32E-06	2.26E-06	1.67E-03	7.83E-04	4.58E-03	6.99E-04	8.30E-05	6.14E-03	7.44E-04	9.12E-09	9.32E-06	2.26E-06	7.56E-04
4309	490863.09	3856877.25	1.41E-03	1.01E-08	9.85E-06	2.28E-06	1.42E-03	6.66E-04	4.18E-03	7.38E-04	8.36E-05	5.66E-03	6.33E-04	8.32E-09	9.85E-06	2.28E-06	6.45E-04
4310	491363.09	3856877.25	1.22E-03	9.30E-09	9.71E-06	2.31E-06	1.23E-03	5.75E-04	3.83E-03	7.28E-04	8.48E-05	5.22E-03	5.47E-04	7.63E-09	9.71E-06	2.31E-06	5.59E-04
4311	491863.09	3856877.25	1.06E-03	8.47E-09	9.53E-06	2.31E-06	1.07E-03	5.00E-04	3.49E-03	7.14E-04	8.47E-05	4.79E-03	4.75E-04	6.95E-09	9.53E-06	2.31E-06	4.87E-04
4312	492363.09	3856877.25	8.68E-04	6.60E-09	9.64E-06	2.27E-06	8.80E-04	4.09E-04	2.72E-03	7.23E-04	8.34E-05	3.94E-03	3.89E-04	5.42E-09	9.64E-06	2.27E-06	4.01E-04
4313	492863.09	3856877.25	6.72E-04	5.33E-09	8.85E-06	2.11E-06	6.83E-04	3.17E-04	2.20E-03	6.64E-04	7.74E-05	3.26E-03	3.02E-04	4.38E-09	8.85E-06	2.11E-06	3.12E-04
4314	493363.09	3856877.25	4.73E-04	4.16E-09	7.28E-06	1.91E-06	4.82E-04	2.23E-04	1.72E-03	5.46E-04	7.00E-05	2.55E-03	2.12E-04	3.42E-09	7.28E-06	1.91E-06	2.21E-04
4315	493863.09	3856877.25	3.10E-04	3.16E-09	6.04E-06	1.76E-06	3.18E-04	1.46E-04	1.30E-03	4.53E-04	6.44E-05	1.96E-03	1.39E-04	2.59E-09	6.04E-06	1.76E-06	1.47E-04
4316	494363.09	3856877.25	2.13E-04	2.49E-09	5.26E-06	1.66E-06	2.20E-04	1.01E-04	1.02E-03	3.95E-04	6.07E-05	1.58E-03	9.56E-05	2.04E-09	5.26E-06	1.66E-06	1.03E-04
4317	494863.09	3856877.25	1.74E-04	2.18E-09	4.75E-06	1.59E-06	1.80E-04	8.20E-05	8.99E-04	3.56E-04	5.82E-05	1.40E-03	7.80E-05	1.79E-09	4.75E-06	1.59E-06	8.43E-05
4318	495363.09	3856877.25	1.52E-04	2.01E-09	4.33E-06	1.53E-06	1.58E-04	7.17E-05	8.27E-04	3.25E-04	5.60E-05	1.28E-03	6.82E-05	1.65E-09	4.33E-06	1.53E-06	7.41E-05
4319	495863.09	3856877.25	1.45E-04	1.96E-09	4.10E-06	1.50E-06	1.50E-04	6.83E-05	8.09E-04	3.07E-04	5.49E-05	1.24E-03	6.50E-05	1.61E-09	4.10E-06	1.50E-06	7.06E-05
4320	496363.09	3856877.25	1.40E-04	1.94E-09	3.87E-06	1.47E-06	1.46E-04	6.62E-05	8.00E-04	2.90E-04	5.39E-05	1.21E-03	6.30E-05	1.59E-09	3.87E-06	1.47E-06	6.83E-05
4321	496863.09	3856877.25	1.41E-04	1.97E-09	3.79E-06	1.46E-06	1.46E-04	6.66E-05	8.13E-04	2.84E-04	5.36E-05	1.22E-03	6.33E-05	1.62E-09	3.79E-06	1.46E-06	6.86E-05
4322	497363.09	3856877.25	1.48E-04	2.05E-09	3.69E-06	1.46E-06	1.53E-04	6.96E-05	8.45E-04	2.76E-04	5.35E-05	1.24E-03	6.62E-05	1.68E-09	3.69E-06	1.46E-06	7.14E-05
4323	497863.09	3856877.25	1.66E-04	2.24E-09	3.68E-06	1.46E-06	1.71E-04	7.82E-05	9.23E-04	2.76E-04	5.36E-05	1.33E-03	7.44E-05	1.84E-09	3.68E-06	1.46E-06	7.95E-05
4324	498363.09	3856877.25	1.88E-04	2.47E-09	3.72E-06	1.47E-06	1.93E-04	8.87E-05	1.02E-03	2.79E-04	5.38E-05	1.44E-03	8.44E-05	2.03E-09	3.72E-06	1.47E-06	8.96E-05
4325	471363.09	3857377.25	3.83E-05	4.93E-10	2.98E-07	3.00E-07	3.89E-05	1.81E-05	2.03E-04	2.23E-05	1.10E-05	2.55E-04	1.72E-05	4.05E-10	2.98E-07	3.00E-07	1.78E-05
4326	471863.09	3857377.25	3.97E-05	5.01E-10	3.04E-07	3.09E-07	4.03E-05	1.87E-05	2.06E-04	2.28E-05	1.13E-05	2.59E-04	1.78E-05	4.11E-10	3.04E-07	3.09E-07	1.84E-05
4327	472363.09	3857377.25	4.21E-05	5.29E-10	3.14E-07	3.22E-07	4.27E-05	1.98E-05	2.18E-04	2.35E-05	1.18E-05	2.73E-04	1.89E-05	4.34E-10	3.14E-07	3.22E-07	1.95E-05

4328	472863.09	3857377.25	4.51E-05	5.69E-10	3.25E-07	3.38E-07	4.58E-05	2.13E-05	2.34E-04	2.44E-05	1.24E-05	2.92E-04	2.02E-05	4.67E-10	3.25E-07	3.38E-07	2.09E-05
4329	473363.09	3857377.25	4.90E-05	6.27E-10	3.37E-07	3.55E-07	4.97E-05	2.31E-05	2.58E-04	2.53E-05	1.30E-05	3.20E-04	2.20E-05	5.15E-10	3.37E-07	3.55E-07	2.27E-05
4330	473863.09	3857377.25	5.36E-05	7.06E-10	3.46E-07	3.72E-07	5.43E-05	2.53E-05	2.91E-04	2.60E-05	1.36E-05	3.56E-04	2.40E-05	5.79E-10	3.46E-07	3.72E-07	2.48E-05
4331	474363.09	3857377.25	5.30E-05	6.38E-10	3.55E-07	3.78E-07	5.37E-05	2.50E-05	2.63E-04	2.66E-05	1.39E-05	3.28E-04	2.38E-05	5.23E-10	3.55E-07	3.78E-07	2.45E-05
4332	474863.09	3857377.25	4.32E-05	4.84E-10	3.44E-07	3.71E-07	4.39E-05	2.04E-05	1.99E-04	2.58E-05	1.36E-05	2.59E-04	1.94E-05	3.97E-10	3.44E-07	3.71E-07	2.01E-05
4333	475363.09	3857377.25	3.03E-05	3.79E-10	2.87E-07	3.54E-07	3.10E-05	1.43E-05	1.56E-04	2.15E-05	1.30E-05	2.05E-04	1.36E-05	3.11E-10	2.87E-07	3.54E-07	1.42E-05
4334	475863.09	3857377.25	2.82E-05	3.72E-10	2.90E-07	3.68E-07	2.89E-05	1.33E-05	1.53E-04	2.18E-05	1.35E-05	2.02E-04	1.27E-05	3.06E-10	2.90E-07	3.68E-07	1.33E-05
4335	476363.09	3857377.25	3.78E-05	4.53E-10	3.33E-07	3.98E-07	3.85E-05	1.78E-05	1.87E-04	2.49E-05	1.46E-05	2.44E-04	1.70E-05	3.72E-10	3.33E-07	3.98E-07	1.77E-05
4336	476863.09	3857377.25	4.05E-05	4.86E-10	3.36E-07	4.19E-07	4.12E-05	1.91E-05	2.00E-04	2.52E-05	1.54E-05	2.60E-04	1.81E-05	3.99E-10	3.36E-07	4.19E-07	1.89E-05
4337	477363.09	3857377.25	3.58E-05	4.57E-10	3.33E-07	4.36E-07	3.65E-05	1.69E-05	1.88E-04	2.50E-05	1.60E-05	2.46E-04	1.60E-05	3.75E-10	3.33E-07	4.36E-07	1.68E-05
4338	477863.09	3857377.25	2.67E-05	4.02E-10	3.19E-07	4.53E-07	2.75E-05	1.26E-05	1.66E-04	2.39E-05	1.66E-05	2.19E-04	1.20E-05	3.30E-10	3.19E-07	4.53E-07	1.28E-05
4339	478363.09	3857377.25	2.03E-05	3.62E-10	3.27E-07	4.78E-07	2.11E-05	9.56E-06	1.49E-04	2.46E-05	1.75E-05	2.01E-04	9.09E-06	2.97E-10	3.27E-07	4.78E-07	9.90E-06
4340	478863.09	3857377.25	1.73E-05	3.47E-10	3.33E-07	5.05E-07	1.81E-05	8.15E-06	1.43E-04	2.50E-05	1.85E-05	1.95E-04	7.75E-06	2.85E-10	3.33E-07	5.05E-07	8.59E-06
4341	479363.09	3857377.25	2.89E-05	4.72E-10	3.73E-07	5.59E-07	2.98E-05	1.36E-05	1.94E-04	2.80E-05	2.05E-05	2.56E-04	1.30E-05	3.87E-10	3.73E-07	5.59E-07	1.39E-05
4342	479863.09	3857377.25	8.84E-05	9.05E-10	5.60E-07	7.10E-07	8.97E-05	4.17E-05	3.73E-04	4.20E-05	2.60E-05	4.83E-04	3.97E-05	7.43E-10	5.60E-07	7.10E-07	4.09E-05
4343	480363.09	3857377.25	7.23E-05	8.32E-10	5.06E-07	7.10E-07	7.35E-05	3.41E-05	3.43E-04	3.80E-05	2.60E-05	4.41E-04	3.24E-05	6.83E-10	5.06E-07	7.10E-07	3.36E-05
4344	480863.09	3857377.25	2.40E-04	2.53E-09	6.16E-07	8.89E-07	2.42E-04	1.13E-04	1.04E-03	4.62E-05	3.26E-05	1.24E-03	1.08E-04	2.08E-09	6.16E-07	8.89E-07	1.09E-04
4345	481363.09	3857377.25	2.74E-04	2.82E-09	6.43E-07	9.39E-07	2.75E-04	1.29E-04	1.16E-03	4.82E-05	3.44E-05	1.37E-03	1.23E-04	2.32E-09	6.43E-07	9.39E-07	1.24E-04
4346	481863.09	3857377.25	3.31E-04	4.23E-09	6.47E-07	1.02E-06	3.33E-04	1.56E-04	1.74E-03	4.85E-05	3.74E-05	1.99E-03	1.48E-04	3.47E-09	6.47E-07	1.02E-06	1.50E-04
4347	482363.09	3857377.25	3.78E-04	8.41E-09	6.79E-07	1.08E-06	3.80E-04	1.78E-04	3.46E-03	5.09E-05	3.96E-05	3.73E-03	1.69E-04	6.90E-09	6.79E-07	1.08E-06	1.71E-04
4348	482863.09	3857377.25	4.32E-04	1.23E-08	7.50E-07	1.28E-06	4.34E-04	2.04E-04	5.05E-03	5.63E-05	4.71E-05	5.36E-03	1.94E-04	1.01E-08	7.50E-07	1.28E-06	1.96E-04
4349	483363.09	3857377.25	5.18E-04	1.74E-08	8.34E-07	1.59E-06	5.21E-04	2.45E-04	7.17E-03	6.26E-05	5.84E-05	7.53E-03	2.33E-04	1.43E-08	8.34E-07	1.59E-06	2.35E-04
4350	483863.09	3857377.25	6.33E-04	2.60E-08	9.46E-07	1.87E-06	6.36E-04	2.98E-04	1.07E-02	7.09E-05	6.85E-05	1.11E-02	2.84E-04	2.13E-08	9.46E-07	1.87E-06	2.87E-04
4351	484363.09	3857377.25	7.72E-04	4.19E-08	1.08E-06	1.78E-06	7.75E-04	3.64E-04	1.72E-02	8.13E-05	6.54E-05	1.78E-02	3.46E-04	3.43E-08	1.08E-06	1.78E-06	3.49E-04
4352	484863.09	3857377.25	9.43E-04	7.50E-08	1.26E-06	1.85E-06	9.46E-04	4.45E-04	3.09E-02	9.45E-05	6.79E-05	3.15E-02	4.23E-04	6.16E-08	1.26E-06	1.85E-06	4.26E-04
4353	485363.09	3857377.25	1.17E-03	1.83E-07	1.46E-06	1.93E-06	1.18E-03	5.53E-04	7.55E-02	1.10E-04	7.09E-05	7.62E-02	5.26E-04	1.50E-07	1.46E-06	1.93E-06	5.29E-04
4354	485863.09	3857377.25	1.51E-03	1.06E-07	1.66E-06	2.09E-06	1.52E-03	7.14E-04	4.36E-02	1.25E-04	7.67E-05	4.45E-02	6.79E-04	8.68E-08	1.66E-06	2.09E-06	6.83E-04
4355	486363.09	3857377.25	2.26E-03	4.71E-08	1.87E-06	2.18E-06	2.27E-03	1.07E-03	1.94E-02	1.40E-04	7.98E-05	2.07E-02	1.02E-03	3.86E-08	1.87E-06	2.18E-06	1.02E-03
4356	486863.09	3857377.25	3.46E-03	2.71E-08	1.92E-06	2.24E-06	3.47E-03	1.63E-03	1.12E-02	1.44E-04	8.23E-05	1.30E-02	1.55E-03	2.23E-08	1.92E-06	2.24E-06	1.56E-03
4357	487363.09	3857377.25	3.59E-03	2.40E-08	2.54E-06	2.30E-06	3.60E-03	1.69E-03	9.87E-03	1.90E-04	8.42E-05	1.18E-02	1.61E-03	1.97E-08	2.54E-06	2.30E-06	1.62E-03
4358	487863.09	3857377.25	3.06E-03	2.20E-08	4.59E-06	2.47E-06	3.07E-03	1.44E-03	9.08E-03	3.44E-04	9.06E-05	1.10E-02	1.37E-03	1.81E-08	4.59E-06	2.47E-06	1.38E-03
4359	488363.09	3857377.25	2.52E-03	2.00E-08	5.09E-06	2.51E-06	2.53E-03	1.19E-03	8.23E-03	3.82E-04	9.19E-05	9.89E-03	1.13E-03	1.64E-08	5.09E-06	2.51E-06	1.14E-03
4360	488863.09	3857377.25	2.08E-03	1.82E-08	1.68E-05	2.56E-06	2.10E-03	9.82E-04	7.51E-03	1.26E-03	9.38E-05	9.85E-03	9.34E-04	1.50E-08	1.68E-05	2.56E-06	9.53E-04
4361	489363.09	3857377.25	1.76E-03	1.67E-08	2.33E-05	2.56E-06	1.78E-03	8.29E-04	6.87E-03	1.74E-03	9.38E-05	9.53E-03	7.89E-04	1.37E-08	2.33E-05	2.56E-06	8.14E-04
4362	489863.09	3857377.25	1.52E-03	1.50E-08	2.10E-05	2.54E-06	1.54E-03	7.16E-04	6.20E-03	1.57E-03	9.33E-05	8.58E-03	6.81E-04	1.23E-08	2.10E-05	2.54E-06	7.05E-04
4363	490363.09	3857377.25	1.32E-03	1.36E-08	1.82E-05	2.55E-06	1.34E-03	6.24E-04	5.59E-03	1.37E-03	9.36E-05	7.68E-03	5.94E-04	1.11E-08	1.82E-05	2.55E-06	6.15E-04
4364	490863.09	3857377.25	1.16E-03	1.24E-08	1.63E-05	2.58E-06	1.18E-03	5.48E-04	5.11E-03	1.22E-03	9.45E-05	6.98E-03	5.21E-04	1.02E-08	1.63E-05	2.58E-06	5.40E-04
4365	491363.09	3857377.25	1.03E-03	1.15E-08	1.46E-05	2.56E-06	1.05E-03	4.85E-04	4.72E-03	1.10E-03	9.39E-05	6.40E-03	4.61E-04	9.41E-09	1.46E-05	2.56E-06	4.79E-04
4366	491863.09	3857377.25	9.11E-04	1.00E-08	1.35E-05	2.58E-06	9.27E-04	4.30E-04	4.12E-03	1.01E-03	9.45E-05	5.66E-03	4.08E-04	8.21E-09	1.35E-05	2.58E-06	4.25E-04
4367	492363.09	3857377.25	7.24E-04	7.20E-09	1.26E-05	2.55E-06	7.39E-04	3.41E-04	2.96E-03	9.44E-04	9.34E-05	4.34E-03	3.25E-04	5.91E-09	1.26E-05	2.55E-06	3.40E-04
4368	492863.09	3857377.25	4.98E-04	5.31E-09	9.54E-06	2.22E-06	5.10E-04	2.35E-04	2.19E-03	7.15E-04	8.12E-05	3.22E-03	2.23E-04	4.36E-09	9.54E-06	2.22E-06	2.35E-04
4369	493363.09	3857377.25	3.31E-04	4.01E-09	7.16E-06	1.99E-06	3.40E-04	1.56E-04	1.65E-03	5.37E-04	7.29E-05	2.42E-03	1.49E-04	3.29E-09	7.16E-06	1.99E-06	1.58E-04
4370	493863.09	3857377.25	2.66E-04	3.48E-09	6.13E-06	1.89E-06	2.74E-04	1.26E-04	1.43E-03	4.60E-04	6.95E-05	2.09E-03	1.20E-04	2.86E-09	6.13E-06	1.89E-06	1.28E-04
4371	494363.09	3857377.25	2.10E-04	2.97E-09	5.30E-06	1.80E-06	2.17E-04	9.88E-05	1.23E-03	3.98E-04	6.59E-05	1.79E-03	9.40E-05	2.44E-09	5.30E-06	1.80E-06	1.01E-04
4372	494863.09	3857377.25	1.84E-04	2.72E-09	4.77E-06	1.73E-06	1.90E-04	8.66E-05	1.12E-03	3.58E-04	6.34E-05	1.63E-03	8.24E-05	2.24E-09	4.77E-06	1.73E-06	8.89E-05
4373	495363.09	3857377.25	1.65E-04	2.52E-09	4.35E-06	1.66E-06	1.71E-04	7.77E-05	1.04E-03	3.26E-04	6.09E-05	1.50E-03	7.39E-05	2.07E-09	4.35E-06	1.66E-06	7.99E-05
4374	495863.09	3857377.25	1.58E-04	2.44E-09	4.07E-06	1.62E-06	1.63E-04	7.44E-05	1.01E-03	3.05E-04	5.94E-05	1.45E-03	7.07E-05	2.01E-09	4.07E-06	1.62E-06	7.64E-05
4375	496363.09	3857377.25	1.54E-04	2.39E-09	3.81E-06	1.57E-06	1.59E-04	7.26E-05	9.87E-04	2.86E-04	5.77E-05	1.40E-03	6.90E-05	1.97E-09	3.81E-06	1.57E-06	7.44E-05
4376	496863.09	3857377.25	1.52E-04	2.37E-09	3.63E-06	1.53E-06	1.57E-04	7.18E-05	9.76E-04	2.72E-04	5.62E-05	1.38E-03	6.83E-05	1.94E-09	3.63E-06	1.53E-06	7.34E-05
4377	497363.09	3857377.25	1.60E-04	2.44E-09	3.54E-06	1.51E-06	1.65E-04	7.53E-05	1.00E-03	2.66E-04	5.55E-05	1.40E-03	7.16E-05	2.00E-09	3.54E-06	1.51E-06	7.67E-05
4378	497863.09	3857377.25	1.72E-04	2.57E-09	3.50E-06	1.50E-06	1.77E-04	8.12E-05	1.06E-03	2.62E-04	5.51E-05	1.46E-03	7.73E-05	2.11E-09	3.50E-06	1.50E-06	8.23E-05
4379	498363.09	3857377.25	2.10E-04	3.00E-09	3.66E-06	1.53E-06	2.15E-04	9.91E-05	1.24E-03	2.75E-04	5.62E-05	1.67E-03	9.43E-05	2.46E-09	3.66E-06	1.53E-06	9.95E-05
4380	471363.09	3857877.25	3.98E-05	5.12E-10	2.90E-07	2.90E-07	4.04E-05	1.88E-05	2.11E-04	2.18E-05	1.06E-05	2.62E-04	1.79E-05	4.20E-10	2.90E-07	2.90E-07	1.84E-05
4381	471863.09	3857877.25	4.15E-05	5.23E-10	2.99E-07	3.00E-07	4.21E-05	1.96E-05	2.15E-04	2.24E-05	1.10E-05	2.68E-04	1.86E-05	4.29E-10	2.99E-07	3.00E-07	1.92E-05
4382	472363.09	3857877.25	4.39E-05	5.50E-10	3.10E-07	3.12E-07	4.45E-05	2.07E-05	2.26E-04	2.32E-05	1.14E-05	2.82E-04	1.97E-05	4.51E-10	3.10E-07	3.12E-07	2.03E-05
4383	472863.09	3857877.25	4.74E-05	6.06E-10	3.21E-07	3.27E-07	4.80E-05	2.24E-05	2.49E-04	2.40E-05	1.20E-05	3.08E-04	2.13E-05	4.97E-10	3.21E-07	3.27E-07	2.19E-05
4384	473363.09	3857877.25	5.03E-05	6.39E-10	3.32E-07	3.41E-07	5.10E-05	2.37E-05	2.63E-04	2.49E-05	1.25E-05	3.24E-04	2.26E-05	5.25E-10	3.32E-07	3.41E-07	2.32E-05
4385	473863.09	3857877.25	5.43E-05	7.03E-10	3.43E-07	3.58E-07	5.50E-05	2.56E-05	2.89E-04	2.57E-05	1.31E-05	3.54E-04	2.44E-05	5.77E-10	3.43E-07	3.58E-07	2.51E-05
4386	474363.09	3857877.25	5.28E-05	6.08E-10	3.80E-07	4.00E-07	5.36E-05	2.49E-05	2.50E-04	2.85E-05	1.47E-05	3.19E-04	2.37E-05	4.99E-10	3.80E-07	4.00E-07	2.45E-05
4387	474863.09	3857877.25	4.12E-05	4.47E-10	3.38E-07	3.53E-07	4.19E-05	1.94E-05	1.84E-04	2.53E-05	1.29E-05	2.42E-04	1.85E-05	3.67E-10	3.38E-07	3.53E-07	1.92E-05
4388	475363.09	3857877.25	2.26E-05	3.09E-10	2.79E-07	3.32E-07	2.32E-05	1.06E-05	1.27E-04	2.09E-05	1.22E-05	1.71E-04	1.01E-05	2.53E-10	2.79E-07	3.32E-07	1.07E-05

4389	475863.09	3857877.25	1.02E-05	2.03E-10	2.47E-07	3.25E-07	1.08E-05	4.80E-06	8.35E-05	1.86E-05	1.19E-05	1.19E-04	4.56E-06	1.66E-10	2.47E-07	3.25E-07	5.14E-06
4390	476363.09	3857877.25	2.61E-05	3.50E-10	3.04E-07	3.72E-07	2.68E-05	1.23E-05	1.44E-04	2.28E-05	1.36E-05	1.93E-04	1.17E-05	2.87E-10	3.04E-07	3.72E-07	1.24E-05
4391	476863.09	3857877.25	3.33E-05	4.11E-10	3.37E-07	3.99E-07	3.40E-05	1.57E-05	1.69E-04	2.53E-05	1.46E-05	2.25E-04	1.49E-05	3.38E-10	3.37E-07	3.99E-07	1.57E-05
4392	477363.09	3857877.25	3.30E-05	4.19E-10	3.50E-07	4.25E-07	3.38E-05	1.56E-05	1.73E-04	2.62E-05	1.56E-05	2.30E-04	1.48E-05	3.44E-10	3.50E-07	4.25E-07	1.56E-05
4393	477863.09	3857877.25	3.15E-05	4.25E-10	3.57E-07	4.53E-07	3.23E-05	1.48E-05	1.75E-04	2.68E-05	1.66E-05	2.33E-04	1.41E-05	3.49E-10	3.57E-07	4.53E-07	1.49E-05
4394	478363.09	3857877.25	1.64E-05	3.17E-10	3.35E-07	4.66E-07	1.72E-05	7.75E-06	1.31E-04	2.51E-05	1.71E-05	1.81E-04	7.37E-06	2.60E-10	3.35E-07	4.66E-07	8.17E-06
4395	478863.09	3857877.25	1.33E-05	2.94E-10	3.26E-07	4.78E-07	1.41E-05	6.29E-06	1.21E-04	2.44E-05	1.75E-05	1.69E-04	5.98E-06	2.41E-10	3.26E-07	4.78E-07	6.78E-06
4396	479363.09	3857877.25	8.30E-05	8.03E-10	5.49E-07	6.54E-07	8.42E-05	3.91E-05	3.31E-04	4.12E-05	2.40E-05	4.35E-04	3.72E-05	6.59E-10	5.49E-07	6.54E-07	3.84E-05
4397	479863.09	3857877.25	1.64E-04	1.56E-09	6.26E-07	8.03E-07	1.65E-04	7.72E-05	6.41E-04	4.69E-05	2.95E-05	7.95E-04	7.34E-05	1.28E-09	6.26E-07	8.03E-07	7.48E-05
4398	480363.09	3857877.25	1.97E-04	2.20E-09	6.07E-07	7.86E-07	1.98E-04	9.29E-05	9.05E-04	4.55E-05	2.88E-05	1.07E-03	8.84E-05	1.80E-09	6.07E-07	7.86E-07	8.98E-05
4399	480863.09	3857877.25	2.22E-04	2.56E-09	6.25E-07	8.01E-07	2.24E-04	1.05E-04	1.06E-03	4.69E-05	2.94E-05	1.24E-03	9.96E-05	2.10E-09	6.25E-07	8.01E-07	1.01E-04
4400	481363.09	3857877.25	2.54E-04	3.00E-09	6.60E-07	8.78E-07	2.55E-04	1.20E-04	1.24E-03	4.95E-05	3.22E-05	1.44E-03	1.14E-04	2.46E-09	6.60E-07	8.78E-07	1.15E-04
4401	481863.09	3857877.25	2.93E-04	3.79E-09	6.90E-07	9.24E-07	2.95E-04	1.38E-04	1.56E-03	5.17E-05	3.39E-05	1.79E-03	1.32E-04	3.11E-09	6.90E-07	9.24E-07	1.33E-04
4402	482363.09	3857877.25	3.42E-04	6.10E-09	7.09E-07	9.73E-07	3.44E-04	1.61E-04	2.51E-03	5.32E-05	3.57E-05	2.76E-03	1.53E-04	5.00E-09	7.09E-07	9.73E-07	1.55E-04
4403	482863.09	3857877.25	3.72E-04	9.66E-09	7.62E-07	1.14E-06	3.74E-04	1.76E-04	3.98E-03	5.72E-05	4.19E-05	4.25E-03	1.67E-04	7.93E-09	7.62E-07	1.14E-06	1.69E-04
4404	483363.09	3857877.25	4.34E-04	1.18E-08	8.31E-07	1.25E-06	4.36E-04	2.05E-04	4.88E-03	6.23E-05	4.58E-05	5.19E-03	1.95E-04	9.72E-09	8.31E-07	1.25E-06	1.97E-04
4405	483863.09	3857877.25	5.06E-04	1.45E-08	9.22E-07	1.23E-06	5.08E-04	2.39E-04	5.99E-03	6.91E-05	4.51E-05	6.34E-03	2.27E-04	1.19E-08	9.22E-07	1.23E-06	2.29E-04
4406	484363.09	3857877.25	5.88E-04	1.76E-08	1.04E-06	1.30E-06	5.90E-04	2.77E-04	7.25E-03	7.77E-05	4.78E-05	7.65E-03	2.64E-04	1.44E-08	1.04E-06	1.30E-06	2.66E-04
4407	484863.09	3857877.25	6.73E-04	2.21E-08	1.19E-06	1.39E-06	6.76E-04	3.18E-04	9.11E-03	8.91E-05	5.11E-05	9.56E-03	3.02E-04	1.81E-08	1.19E-06	1.39E-06	3.05E-04
4408	485363.09	3857877.25	7.58E-04	2.86E-08	1.39E-06	1.58E-06	7.61E-04	3.57E-04	1.18E-02	1.04E-04	5.80E-05	1.23E-02	3.40E-04	2.35E-08	1.39E-06	1.58E-06	3.43E-04
4409	485863.09	3857877.25	8.50E-04	4.32E-08	1.69E-06	1.91E-06	8.54E-04	4.01E-04	1.78E-02	1.27E-04	6.99E-05	1.84E-02	3.81E-04	3.55E-08	1.69E-06	1.91E-06	3.85E-04
4410	486363.09	3857877.25	9.36E-04	1.47E-07	2.19E-06	2.55E-06	9.41E-04	4.42E-04	6.04E-02	1.64E-04	9.34E-05	6.11E-02	4.20E-04	1.20E-07	2.19E-06	2.55E-06	4.25E-04
4411	486863.09	3857877.25	9.61E-04	5.45E-08	3.19E-06	3.01E-06	9.67E-04	4.53E-04	2.25E-02	2.39E-04	1.10E-04	2.33E-02	4.31E-04	4.47E-08	3.19E-06	3.01E-06	4.37E-04
4412	487363.09	3857877.25	1.11E-03	3.75E-08	6.12E-06	4.67E-06	1.12E-03	5.22E-04	1.54E-02	4.59E-04	1.71E-04	1.66E-02	4.96E-04	3.08E-08	6.12E-06	4.67E-06	5.07E-04
4413	487863.09	3857877.25	1.16E-03	3.03E-08	1.66E-05	4.07E-06	1.18E-03	5.49E-04	1.25E-02	1.24E-03	1.49E-04	1.44E-02	5.22E-04	2.49E-08	1.66E-05	4.07E-06	5.42E-04
4414	488363.09	3857877.25	1.14E-03	2.70E-08	2.30E-04	3.84E-06	1.38E-03	5.40E-04	1.11E-02	1.72E-02	1.41E-04	2.90E-02	5.13E-04	2.21E-08	2.30E-04	3.84E-06	7.47E-04
4415	488863.09	3857877.25	1.15E-03	2.42E-08	1.00E-04	3.65E-06	1.25E-03	5.41E-04	9.98E-03	7.52E-03	1.34E-04	1.82E-02	5.14E-04	1.99E-08	1.00E-04	3.65E-06	6.18E-04
4416	489363.09	3857877.25	1.11E-03	2.15E-08	4.80E-05	3.37E-06	1.16E-03	5.22E-04	8.84E-03	3.60E-03	1.23E-04	1.31E-02	4.96E-04	1.76E-08	4.80E-05	3.37E-06	5.47E-04
4417	489863.09	3857877.25	1.04E-03	1.91E-08	3.01E-05	3.17E-06	1.07E-03	4.88E-04	7.87E-03	2.26E-03	1.16E-04	1.07E-02	4.64E-04	1.57E-08	3.01E-05	3.17E-06	4.98E-04
4418	490363.09	3857877.25	9.53E-04	1.75E-08	2.18E-05	3.11E-06	9.78E-04	4.50E-04	7.20E-03	1.64E-03	1.14E-04	9.40E-03	4.28E-04	1.43E-08	2.18E-05	3.11E-06	4.53E-04
4419	490863.09	3857877.25	8.78E-04	1.60E-08	1.72E-05	3.04E-06	8.98E-04	4.14E-04	6.59E-03	1.29E-03	1.12E-04	8.40E-03	3.94E-04	1.31E-08	1.72E-05	3.04E-06	4.14E-04
4420	491363.09	3857877.25	8.06E-04	1.36E-08	1.43E-05	3.02E-06	8.23E-04	3.80E-04	5.60E-03	1.07E-03	1.11E-04	7.17E-03	3.61E-04	1.12E-08	1.43E-05	3.02E-06	3.79E-04
4421	491863.09	3857877.25	7.21E-04	1.09E-08	1.24E-05	3.03E-06	7.37E-04	3.40E-04	4.51E-03	9.33E-04	1.11E-04	5.90E-03	3.23E-04	8.99E-09	1.24E-05	3.03E-06	3.39E-04
4422	492363.09	3857877.25	5.41E-04	7.58E-09	1.03E-05	2.74E-06	5.54E-04	2.55E-04	3.12E-03	7.75E-04	1.01E-04	4.25E-03	2.43E-04	6.22E-09	1.03E-05	2.74E-06	2.56E-04
4423	492863.09	3857877.25	3.61E-04	5.54E-09	7.50E-06	2.34E-06	3.71E-04	1.70E-04	2.28E-03	5.62E-04	8.59E-05	3.10E-03	1.62E-04	4.55E-09	7.50E-06	2.34E-06	1.72E-04
4424	493363.09	3857877.25	2.93E-04	4.73E-09	6.22E-06	2.18E-06	3.02E-04	1.38E-04	1.95E-03	4.66E-04	7.98E-05	2.63E-03	1.32E-04	3.88E-09	6.22E-06	2.18E-06	1.40E-04
4425	493863.09	3857877.25	2.58E-04	4.27E-09	5.46E-06	2.06E-06	2.66E-04	1.22E-04	1.76E-03	4.09E-04	7.57E-05	2.37E-03	1.16E-04	3.51E-09	5.46E-06	2.06E-06	1.23E-04
4426	494363.09	3857877.25	2.34E-04	3.93E-09	4.89E-06	1.96E-06	2.41E-04	1.10E-04	1.62E-03	3.67E-04	7.18E-05	2.17E-03	1.05E-04	3.22E-09	4.89E-06	1.96E-06	1.12E-04
4427	494863.09	3857877.25	1.97E-04	3.42E-09	4.32E-06	1.85E-06	2.03E-04	9.28E-05	1.41E-03	3.24E-04	6.79E-05	1.90E-03	8.83E-05	2.81E-09	4.32E-06	1.85E-06	9.44E-05
4428	495363.09	3857877.25	1.83E-04	3.21E-09	3.98E-06	1.77E-06	1.89E-04	8.65E-05	1.32E-03	2.98E-04	6.49E-05	1.77E-03	8.23E-05	2.63E-09	3.98E-06	1.77E-06	8.80E-05
4429	495863.09	3857877.25	1.72E-04	3.01E-09	3.68E-06	1.70E-06	1.78E-04	8.12E-05	1.24E-03	2.76E-04	6.22E-05	1.66E-03	7.72E-05	2.47E-09	3.68E-06	1.70E-06	8.26E-05
4430	496363.09	3857877.25	1.73E-04	2.97E-09	3.51E-06	1.64E-06	1.78E-04	8.15E-05	1.22E-03	2.64E-04	6.03E-05	1.63E-03	7.75E-05	2.43E-09	3.51E-06	1.64E-06	8.27E-05
4431	496863.09	3857877.25	1.72E-04	2.92E-09	3.37E-06	1.60E-06	1.77E-04	8.11E-05	1.20E-03	2.52E-04	5.87E-05	1.59E-03	7.71E-05	2.39E-09	3.37E-06	1.60E-06	8.21E-05
4432	497363.09	3857877.25	1.69E-04	2.84E-09	3.21E-06	1.55E-06	1.73E-04	7.95E-05	1.17E-03	2.41E-04	5.67E-05	1.55E-03	7.56E-05	2.33E-09	3.21E-06	1.55E-06	8.03E-05
4433	497863.09	3857877.25	1.92E-04	3.11E-09	3.26E-06	1.55E-06	1.97E-04	9.07E-05	1.28E-03	2.45E-04	5.67E-05	1.67E-03	8.62E-05	2.55E-09	3.26E-06	1.55E-06	9.10E-05
4434	498363.09	3857877.25	2.16E-04	3.39E-09	3.33E-06	1.56E-06	2.21E-04	1.02E-04	1.40E-03	2.50E-04	5.72E-05	1.81E-03	9.70E-05	2.79E-09	3.33E-06	1.56E-06	1.02E-04
4435	471363.09	3858377.25	4.04E-05	5.51E-10	2.76E-07	2.86E-07	4.09E-05	1.90E-05	2.27E-04	2.07E-05	1.05E-05	2.77E-04	1.81E-05	4.52E-10	2.76E-07	2.86E-07	1.87E-05
4436	471863.09	3858377.25	4.21E-05	5.64E-10	2.85E-07	2.97E-07	4.27E-05	1.98E-05	2.32E-04	2.14E-05	1.09E-05	2.84E-04	1.89E-05	4.62E-10	2.85E-07	2.97E-07	1.95E-05
4437	472363.09	3858377.25	4.40E-05	5.78E-10	2.94E-07	3.10E-07	4.46E-05	2.08E-05	2.38E-04	2.21E-05	1.14E-05	2.92E-04	1.97E-05	4.74E-10	2.94E-07	3.10E-07	2.04E-05
4438	472863.09	3858377.25	4.70E-05	6.20E-10	3.05E-07	3.27E-07	4.76E-05	2.22E-05	2.55E-04	2.29E-05	1.20E-05	3.13E-04	2.11E-05	5.09E-10	3.05E-07	3.27E-07	2.17E-05
4439	473363.09	3858377.25	5.17E-05	7.28E-10	3.17E-07	3.44E-07	5.24E-05	2.44E-05	3.00E-04	2.38E-05	1.26E-05	3.61E-04	2.32E-05	5.97E-10	3.17E-07	3.44E-07	2.38E-05
4440	473863.09	3858377.25	5.37E-05	7.03E-10	3.29E-07	3.63E-07	5.44E-05	2.53E-05	2.90E-04	2.47E-05	1.33E-05	3.53E-04	2.41E-05	5.77E-10	3.29E-07	3.63E-07	2.48E-05
4441	474363.09	3858377.25	5.07E-05	5.77E-10	3.34E-07	3.64E-07	5.14E-05	2.39E-05	2.38E-04	2.51E-05	1.34E-05	3.00E-04	2.27E-05	4.73E-10	3.34E-07	3.64E-07	2.34E-05
4442	474863.09	3858377.25	4.25E-05	4.51E-10	3.35E-07	3.60E-07	4.32E-05	2.00E-05	1.86E-04	2.51E-05	1.32E-05	2.44E-04	1.91E-05	3.70E-10	3.35E-07	3.60E-07	1.98E-05
4443	475363.09	3858377.25	2.83E-05	3.38E-10	3.10E-07	3.34E-07	2.89E-05	1.33E-05	1.39E-04	2.33E-05	1.23E-05	1.88E-04	1.27E-05	2.77E-10	3.10E-07	3.34E-07	1.33E-05
4444	475863.09	3858377.25	1.97E-05	2.86E-10	2.99E-07	3.44E-07	2.04E-05	9.30E-06	1.18E-04	2.25E-05	1.26E-05	1.62E-04	8.84E-06	2.35E-10	2.99E-07	3.44E-07	9.49E-06
4445	476363.09	3858377.25	2.17E-05	3.10E-10	3.13E-07	3.64E-07	2.24E-05	1.02E-05	1.28E-04	2.35E-05	1.34E-05	1.75E-04	9.72E-06	2.54E-10	3.13E-07	3.64E-07	1.04E-05
4446	476863.09	3858377.25	2.38E-05	3.38E-10	3.30E-07	3.88E-07	2.46E-05	1.12E-05	1.39E-04	2.47E-05	1.42E-05	1.89E-04	1.07E-05	2.77E-10	3.30E-07	3.88E-07	1.14E-05
4447	477363.09	3858377.25	2.26E-05	3.38E-10	3.41E-07	4.10E-07	2.34E-05	1.07E-05	1.39E-04	2.56E-05	1.50E-05	1.91E-04	1.01E-05	2.77E-10	3.41E-07	4.10E-07	1.09E-05
4448	477863.09	3858377.25	3.18E-05	4.17E-10	3.77E-07	4.44E-07	3.26E-05	1.50E-05	1.72E-04	2.83E-05	1.63E-05	2.31E-04	1.43E-05	3.42E-10	3.77E-07	4.44E-07	1.51E-05
4449	478363.09	3858377.25	3.53E-05	4.52E-10	3.97E-07	4.71E-07	3.62E-05	1.67E-05	1.86E-04	2.98E-05	1.73E-05	2.50E-04	1.58E-05	3.71E-10	3.97E-07	4.71E-07	1.67E-05

4450	478863.09	3858377.25	2.28E-05	3.72E-10	3.81E-07	4.79E-07	2.37E-05	1.08E-05	1.53E-04	2.86E-05	1.76E-05	2.10E-04	1.02E-05	3.06E-10	3.81E-07	4.79E-07	1.11E-05
4451	479363.09	3858377.25	8.90E-05	8.22E-10	5.79E-07	6.28E-07	9.02E-05	4.20E-05	3.39E-04	4.34E-05	2.30E-05	4.47E-04	3.99E-05	6.75E-10	5.79E-07	6.28E-07	4.11E-05
4452	479863.09	3858377.25	1.59E-04	1.72E-09	6.36E-07	7.08E-07	1.60E-04	7.50E-05	7.11E-04	4.77E-05	2.60E-05	8.59E-04	7.13E-05	1.42E-09	6.36E-07	7.08E-07	7.27E-05
4453	480363.09	3858377.25	1.84E-04	2.40E-09	6.38E-07	7.08E-07	1.86E-04	8.70E-05	9.90E-04	4.78E-05	2.60E-05	1.15E-03	8.27E-05	1.97E-09	6.38E-07	7.08E-07	8.40E-05
4454	480863.09	3858377.25	2.06E-04	2.69E-09	6.71E-07	7.39E-07	2.07E-04	9.71E-05	1.11E-03	5.03E-05	2.71E-05	1.28E-03	9.23E-05	2.21E-09	6.71E-07	7.39E-07	9.37E-05
4455	481363.09	3858377.25	2.31E-04	3.17E-09	7.12E-07	7.80E-07	2.32E-04	1.09E-04	1.31E-03	5.34E-05	2.86E-05	1.50E-03	1.04E-04	2.60E-09	7.12E-07	7.80E-07	1.05E-04
4456	481863.09	3858377.25	2.61E-04	3.51E-09	7.68E-07	8.26E-07	2.63E-04	1.23E-04	1.45E-03	5.76E-05	3.03E-05	1.66E-03	1.17E-04	2.88E-09	7.68E-07	8.26E-07	1.19E-04
4457	482363.09	3858377.25	3.01E-04	4.33E-09	8.11E-07	9.01E-07	3.03E-04	1.42E-04	1.78E-03	6.09E-05	3.30E-05	2.02E-03	1.35E-04	3.55E-09	8.11E-07	9.01E-07	1.37E-04
4458	482863.09	3858377.25	3.43E-04	6.62E-09	8.26E-07	9.64E-07	3.44E-04	1.62E-04	2.73E-03	6.19E-05	3.53E-05	2.99E-03	1.54E-04	5.43E-09	8.26E-07	9.64E-07	1.55E-04
4459	483363.09	3858377.25	3.67E-04	9.13E-09	8.73E-07	9.73E-07	3.69E-04	1.73E-04	3.76E-03	6.54E-05	3.57E-05	4.03E-03	1.65E-04	7.49E-09	8.73E-07	9.73E-07	1.66E-04
4460	483863.09	3858377.25	4.00E-04	1.07E-08	9.33E-07	1.03E-06	4.02E-04	1.89E-04	4.43E-03	7.00E-05	3.77E-05	4.72E-03	1.79E-04	8.82E-09	9.33E-07	1.03E-06	1.81E-04
4461	484363.09	3858377.25	4.45E-04	1.26E-08	1.03E-06	1.15E-06	4.47E-04	2.10E-04	5.18E-03	7.74E-05	4.23E-05	5.51E-03	2.00E-04	1.03E-08	1.03E-06	1.15E-06	2.02E-04
4462	484863.09	3858377.25	4.82E-04	1.53E-08	1.16E-06	1.27E-06	4.84E-04	2.27E-04	6.31E-03	8.68E-05	4.67E-05	6.67E-03	2.16E-04	1.26E-08	1.16E-06	1.27E-06	2.19E-04
4463	485363.09	3858377.25	5.17E-04	1.99E-08	1.32E-06	1.53E-06	5.20E-04	2.44E-04	8.20E-03	9.87E-05	5.61E-05	8.60E-03	2.32E-04	1.63E-08	1.32E-06	1.53E-06	2.35E-04
4464	485863.09	3858377.25	5.56E-04	3.10E-08	1.55E-06	2.12E-06	5.60E-04	2.62E-04	1.28E-02	1.16E-04	7.78E-05	1.32E-02	2.49E-04	2.54E-08	1.55E-06	2.12E-06	2.53E-04
4465	486363.09	3858377.25	5.59E-04	1.50E-07	1.93E-06	4.35E-06	5.65E-04	2.63E-04	6.17E-02	1.45E-04	1.59E-04	6.23E-02	2.51E-04	1.23E-07	1.93E-06	4.35E-06	2.57E-04
4466	486863.09	3858377.25	5.51E-04	1.97E-07	2.58E-06	7.21E-06	5.61E-04	2.60E-04	8.13E-02	1.94E-04	2.65E-04	8.20E-02	2.47E-04	1.62E-07	2.58E-06	7.21E-06	2.57E-04
4467	487363.09	3858377.25	5.80E-04	9.13E-08	3.62E-06	8.18E-06	5.92E-04	2.74E-04	3.76E-02	2.71E-04	3.00E-04	3.85E-02	2.60E-04	7.49E-08	3.62E-06	8.18E-06	2.72E-04
4468	487863.09	3858377.25	6.35E-04	5.82E-08	5.04E-06	1.03E-05	6.51E-04	3.00E-04	2.40E-02	3.78E-04	3.79E-04	2.50E-02	2.85E-04	4.78E-08	5.04E-06	1.03E-05	3.00E-04
4469	488363.09	3858377.25	6.63E-04	4.31E-08	7.27E-06	7.43E-06	6.78E-04	3.13E-04	1.78E-02	5.45E-04	2.72E-04	1.89E-02	2.98E-04	3.54E-08	7.27E-06	7.43E-06	3.12E-04
4470	488863.09	3858377.25	6.36E-04	3.48E-08	1.68E-05	5.44E-06	6.59E-04	3.00E-04	1.43E-02	1.26E-03	1.99E-04	1.61E-02	2.85E-04	2.86E-08	1.68E-05	5.44E-06	3.08E-04
4471	489363.09	3858377.25	6.72E-04	3.02E-08	1.48E-05	4.62E-06	6.91E-04	3.17E-04	1.24E-02	1.11E-03	1.70E-04	1.40E-02	3.01E-04	2.47E-08	1.48E-05	4.62E-06	3.21E-04
4472	489863.09	3858377.25	6.91E-04	2.67E-08	1.25E-05	4.26E-06	7.08E-04	3.26E-04	1.10E-02	9.37E-04	1.56E-04	1.24E-02	3.10E-04	2.19E-08	1.25E-05	4.26E-06	3.27E-04
4473	490363.09	3858377.25	6.75E-04	2.37E-08	1.10E-05	3.98E-06	6.90E-04	3.18E-04	9.75E-03	8.24E-04	1.46E-04	1.10E-02	3.03E-04	1.94E-08	1.10E-05	3.98E-06	3.18E-04
4474	490863.09	3858377.25	6.42E-04	2.09E-08	9.87E-06	3.74E-06	6.56E-04	3.03E-04	8.59E-03	7.40E-04	1.37E-04	9.77E-03	2.88E-04	1.71E-08	9.87E-06	3.74E-06	3.02E-04
4475	491363.09	3858377.25	6.06E-04	1.68E-08	9.13E-06	3.60E-06	6.19E-04	2.86E-04	6.93E-03	6.85E-04	1.32E-04	8.03E-03	2.72E-04	1.38E-08	9.13E-06	3.60E-06	2.84E-04
4476	491863.09	3858377.25	5.22E-04	1.16E-08	9.27E-06	3.48E-06	5.35E-04	2.46E-04	4.77E-03	6.95E-04	1.28E-04	5.84E-03	2.34E-04	9.50E-09	9.27E-06	3.48E-06	2.47E-04
4477	492363.09	3858377.25	3.50E-04	7.67E-09	6.91E-06	2.83E-06	3.60E-04	1.65E-04	3.16E-03	5.18E-04	1.04E-04	3.95E-03	1.57E-04	6.29E-09	6.91E-06	2.83E-06	1.67E-04
4478	492863.09	3858377.25	3.78E-04	7.75E-09	6.85E-06	2.76E-06	3.88E-04	1.78E-04	3.19E-03	5.13E-04	1.01E-04	3.99E-03	1.70E-04	6.36E-09	6.85E-06	2.76E-06	1.79E-04
4479	493363.09	3858377.25	3.19E-04	6.56E-09	5.55E-06	2.47E-06	3.27E-04	1.50E-04	2.70E-03	4.16E-04	9.07E-05	3.36E-03	1.43E-04	5.38E-09	5.55E-06	2.47E-06	1.51E-04
4480	493863.09	3858377.25	2.90E-04	5.86E-09	4.89E-06	2.29E-06	2.97E-04	1.37E-04	2.41E-03	3.67E-04	8.40E-05	3.00E-03	1.30E-04	4.81E-09	4.89E-06	2.29E-06	1.37E-04
4481	494363.09	3858377.25	2.56E-04	5.15E-09	4.27E-06	2.12E-06	2.62E-04	1.21E-04	2.12E-03	3.20E-04	7.77E-05	2.64E-03	1.15E-04	4.22E-09	4.27E-06	2.12E-06	1.21E-04
4482	494863.09	3858377.25	2.28E-04	4.58E-09	3.84E-06	1.98E-06	2.34E-04	1.08E-04	1.89E-03	2.88E-04	7.24E-05	2.36E-03	1.02E-04	3.76E-09	3.84E-06	1.98E-06	1.08E-04
4483	495363.09	3858377.25	1.99E-04	4.00E-09	3.45E-06	1.83E-06	2.04E-04	9.38E-05	1.65E-03	2.59E-04	6.72E-05	2.07E-03	8.92E-05	3.29E-09	3.45E-06	1.83E-06	9.45E-05
4484	495863.09	3858377.25	1.94E-04	3.80E-09	3.27E-06	1.75E-06	1.99E-04	9.13E-05	1.57E-03	2.45E-04	6.41E-05	1.97E-03	8.68E-05	3.12E-09	3.27E-06	1.75E-06	9.18E-05
4485	496363.09	3858377.25	1.86E-04	3.58E-09	3.10E-06	1.67E-06	1.91E-04	8.79E-05	1.48E-03	2.33E-04	6.11E-05	1.86E-03	8.36E-05	2.94E-09	3.10E-06	1.67E-06	8.84E-05
4486	496863.09	3858377.25	1.95E-04	3.60E-09	3.04E-06	1.62E-06	1.99E-04	9.18E-05	1.48E-03	2.28E-04	5.96E-05	1.86E-03	8.73E-05	2.95E-09	3.04E-06	1.62E-06	9.19E-05
4487	497363.09	3858377.25	1.95E-04	3.51E-09	2.95E-06	1.57E-06	1.99E-04	9.17E-05	1.45E-03	2.21E-04	5.77E-05	1.82E-03	8.72E-05	2.88E-09	2.95E-06	1.57E-06	9.18E-05
4488	497863.09	3858377.25	2.13E-04	3.71E-09	2.98E-06	1.57E-06	2.17E-04	1.00E-04	1.53E-03	2.23E-04	5.74E-05	1.91E-03	9.54E-05	3.05E-09	2.98E-06	1.57E-06	9.99E-05
4489	498363.09	3858377.25	2.35E-04	4.08E-09	3.10E-06	1.59E-06	2.39E-04	1.11E-04	1.68E-03	2.33E-04	5.84E-05	2.08E-03	1.05E-04	3.34E-09	3.10E-06	1.59E-06	1.10E-04
4490	471363.09	3858877.25	3.94E-05	5.53E-10	3.12E-07	2.94E-07	4.00E-05	1.86E-05	2.28E-04	2.34E-05	1.08E-05	2.81E-04	1.77E-05	4.54E-10	3.12E-07	2.94E-07	1.83E-05
4491	471863.09	3858877.25	4.11E-05	5.60E-10	3.25E-07	3.07E-07	4.17E-05	1.94E-05	2.31E-04	2.44E-05	1.12E-05	2.86E-04	1.84E-05	4.59E-10	3.25E-07	3.07E-07	1.91E-05
4492	472363.09	3858877.25	4.41E-05	6.10E-10	3.39E-07	3.20E-07	4.47E-05	2.08E-05	2.51E-04	2.55E-05	1.17E-05	3.09E-04	1.98E-05	5.01E-10	3.39E-07	3.20E-07	2.04E-05
4493	472863.09	3858877.25	4.72E-05	6.53E-10	3.54E-07	3.33E-07	4.79E-05	2.23E-05	2.69E-04	2.65E-05	1.22E-05	3.30E-04	2.12E-05	5.36E-10	3.54E-07	3.33E-07	2.18E-05
4494	473363.09	3858877.25	5.16E-05	7.42E-10	3.66E-07	3.44E-07	5.23E-05	2.43E-05	3.06E-04	2.74E-05	1.26E-05	3.70E-04	2.31E-05	6.09E-10	3.66E-07	3.44E-07	2.38E-05
4495	473863.09	3858877.25	5.44E-05	7.28E-10	3.87E-07	3.58E-07	5.51E-05	2.56E-05	3.00E-04	2.90E-05	1.31E-05	3.68E-04	2.44E-05	5.97E-10	3.87E-07	3.58E-07	2.51E-05
4496	474363.09	3858877.25	5.35E-05	6.13E-10	4.38E-07	3.90E-07	5.44E-05	2.52E-05	2.53E-04	3.28E-05	1.43E-05	3.25E-04	2.40E-05	5.03E-10	4.38E-07	3.90E-07	2.48E-05
4497	474863.09	3858877.25	2.72E-05	3.17E-10	3.04E-07	3.19E-07	2.78E-05	1.28E-05	1.31E-04	2.28E-05	1.17E-05	1.78E-04	1.22E-05	2.60E-10	3.04E-07	3.19E-07	1.28E-05
4498	475363.09	3858877.25	1.94E-05	2.69E-10	2.80E-07	3.27E-07	2.00E-05	9.16E-06	1.11E-04	2.10E-05	1.20E-05	1.53E-04	8.71E-06	2.21E-10	2.80E-07	3.27E-07	9.32E-06
4499	475863.09	3858877.25	2.26E-05	3.00E-10	2.98E-07	3.46E-07	2.32E-05	1.06E-05	1.23E-04	2.23E-05	1.27E-05	1.69E-04	1.01E-05	2.46E-10	2.98E-07	3.46E-07	1.08E-05
4500	476363.09	3858877.25	1.35E-05	2.32E-10	2.71E-07	3.48E-07	1.41E-05	6.37E-06	9.58E-05	2.03E-05	1.28E-05	1.35E-04	6.05E-06	1.91E-10	2.71E-07	3.48E-07	6.67E-06
4501	476863.09	3858877.25	1.73E-05	2.74E-10	3.01E-07	3.71E-07	1.80E-05	8.17E-06	1.13E-04	2.26E-05	1.36E-05	1.57E-04	7.77E-06	2.25E-10	3.01E-07	3.71E-07	8.45E-06
4502	477363.09	3858877.25	1.84E-05	2.88E-10	3.05E-07	3.89E-07	1.91E-05	8.68E-06	1.19E-04	2.29E-05	1.43E-05	1.65E-04	8.25E-06	2.37E-10	3.05E-07	3.89E-07	8.95E-06
4503	477863.09	3858877.25	2.43E-05	3.42E-10	3.30E-07	4.14E-07	2.50E-05	1.14E-05	1.41E-04	2.47E-05	1.52E-05	1.92E-04	1.09E-05	2.80E-10	3.30E-07	4.14E-07	1.16E-05
4504	478363.09	3858877.25	5.76E-05	5.74E-10	5.17E-07	4.89E-07	5.86E-05	2.72E-05	2.37E-04	3.88E-05	1.79E-05	3.20E-04	2.58E-05	4.71E-10	5.17E-07	4.89E-07	2.68E-05
4505	478863.09	3858877.25	4.74E-05	5.25E-10	4.63E-07	4.90E-07	4.84E-05	2.24E-05	2.16E-04	3.47E-05	1.80E-05	2.91E-04	2.13E-05	4.31E-10	4.63E-07	4.90E-07	2.22E-05
4506	479363.09	3858877.25	3.72E-05	4.67E-10	3.99E-07	4.95E-07	3.81E-05	1.76E-05	1.92E-04	2.99E-05	1.82E-05	2.58E-04	1.67E-05	3.83E-10	3.99E-07	4.95E-07	1.76E-05
4507	479863.09	3858877.25	1.54E-04	1.93E-09	6.59E-07	6.34E-07	1.55E-04	7.26E-05	7.94E-04	4.94E-05	2.32E-05	9.39E-04	6.90E-05	1.58E-09	6.59E-07	6.34E-07	7.03E-05
4508	480363.09	3858877.25	1.72E-04	2.45E-09	6.22E-07	6.43E-07	1.73E-04	8.10E-05	1.01E-03	4.66E-05	2.36E-05	1.16E-03	7.70E-05	2.01E-09	6.22E-07	6.43E-07	7.83E-05
4509	480863.09	3858877.25	1.89E-04	2.91E-09	6.09E-07	6.56E-07	1.90E-04	8.90E-05	1.20E-03	4.57E-05	2.41E-05	1.36E-03	8.46E-05	2.39E-09	6.09E-07	6.56E-07	8.59E-05
4510	481363.09	3858877.25	2.08E-04	3.29E-09	6.32E-07	6.90E-07	2.09E-04	9.82E-05	1.35E-03	4.74E-05	2.53E-05	1.52E-03	9.34E-05	2.70E-09	6.32E-07	6.90E-07	9.47E-05

4511	481863.09	3858877.25	2.31E-04	3.76E-09	6.63E-07	7.24E-07	2.33E-04	1.09E-04	1.55E-03	4.97E-05	2.66E-05	1.73E-03	1.04E-04	3.09E-09	6.63E-07	7.24E-07	1.05E-04
4512	482363.09	3858877.25	2.58E-04	4.09E-09	7.18E-07	7.94E-07	2.59E-04	1.22E-04	1.69E-03	5.38E-05	2.91E-05	1.89E-03	1.16E-04	3.36E-09	7.18E-07	7.94E-07	1.17E-04
4513	482863.09	3858877.25	2.89E-04	4.85E-09	7.80E-07	8.17E-07	2.91E-04	1.36E-04	2.00E-03	5.85E-05	3.00E-05	2.22E-03	1.30E-04	3.98E-09	7.80E-07	8.17E-07	1.31E-04
4514	483363.09	3858877.25	2.96E-04	7.56E-09	8.52E-07	8.72E-07	2.97E-04	1.39E-04	3.12E-03	6.39E-05	3.20E-05	3.35E-03	1.33E-04	6.21E-09	8.52E-07	8.72E-07	1.34E-04
4515	483863.09	3858877.25	3.14E-04	8.79E-09	9.63E-07	9.59E-07	3.16E-04	1.48E-04	3.62E-03	7.22E-05	3.52E-05	3.88E-03	1.41E-04	7.21E-09	9.63E-07	9.59E-07	1.43E-04
4516	484363.09	3858877.25	3.43E-04	1.04E-08	1.11E-06	1.08E-06	3.45E-04	1.62E-04	4.28E-03	8.36E-05	3.98E-05	4.57E-03	1.54E-04	8.53E-09	1.11E-06	1.08E-06	1.56E-04
4517	484863.09	3858877.25	3.68E-04	1.28E-08	1.28E-06	1.23E-06	3.70E-04	1.73E-04	5.26E-03	9.61E-05	4.50E-05	5.58E-03	1.65E-04	1.05E-08	1.28E-06	1.23E-06	1.67E-04
4518	485363.09	3858877.25	3.83E-04	1.71E-08	1.43E-06	1.46E-06	3.86E-04	1.81E-04	7.03E-03	1.08E-04	5.36E-05	7.38E-03	1.72E-04	1.40E-08	1.43E-06	1.46E-06	1.75E-04
4519	485863.09	3858877.25	3.94E-04	2.74E-08	1.59E-06	2.01E-06	3.98E-04	1.86E-04	1.13E-02	1.20E-04	7.36E-05	1.17E-02	1.77E-04	2.25E-08	1.59E-06	2.01E-06	1.80E-04
4520	486363.09	3858877.25	3.85E-04	1.40E-07	1.75E-06	2.98E-06	3.90E-04	1.82E-04	5.78E-02	1.32E-04	1.09E-04	5.82E-02	1.73E-04	1.15E-07	1.75E-06	2.98E-06	1.78E-04
4521	486863.09	3858877.25	3.77E-04	2.04E-07	1.77E-06	7.05E-06	3.86E-04	1.78E-04	8.40E-02	1.33E-04	2.58E-04	8.46E-02	1.69E-04	1.67E-07	1.77E-06	7.05E-06	1.78E-04
4522	487363.09	3858877.25	4.01E-04	2.07E-07	1.61E-06	2.08E-05	4.24E-04	1.89E-04	8.54E-02	1.20E-04	7.62E-04	8.65E-02	1.80E-04	1.70E-07	1.61E-06	2.08E-05	2.03E-04
4523	487863.09	3858877.25	4.17E-04	1.00E-07	1.68E-06	1.25E-05	4.31E-04	1.96E-04	4.14E-02	1.26E-04	4.58E-04	4.22E-02	1.87E-04	8.24E-08	1.68E-06	1.25E-05	2.01E-04
4524	488363.09	3858877.25	4.41E-04	1.72E-07	1.70E-06	9.37E-06	4.52E-04	2.08E-04	7.08E-02	1.28E-04	3.44E-04	7.15E-02	1.98E-04	1.41E-07	1.70E-06	9.37E-06	2.09E-04
4525	488863.09	3858877.25	4.61E-04	8.15E-08	2.42E-06	7.95E-06	4.71E-04	2.17E-04	3.36E-02	1.81E-04	2.91E-04	3.43E-02	2.07E-04	6.69E-08	2.42E-06	7.95E-06	2.17E-04
4526	489363.09	3858877.25	4.35E-04	5.46E-08	3.68E-06	6.96E-06	4.46E-04	2.05E-04	2.25E-02	2.76E-04	2.55E-04	2.32E-02	1.95E-04	4.48E-08	3.68E-06	6.96E-06	2.06E-04
4527	489863.09	3858877.25	4.38E-04	4.13E-08	4.37E-06	6.00E-06	4.48E-04	2.07E-04	1.70E-02	3.28E-04	2.20E-04	1.78E-02	1.96E-04	3.39E-08	4.37E-06	6.00E-06	2.07E-04
4528	490363.09	3858877.25	4.67E-04	3.18E-08	4.60E-06	5.19E-06	4.77E-04	2.20E-04	1.31E-02	3.45E-04	1.90E-04	1.39E-02	2.10E-04	2.61E-08	4.60E-06	5.19E-06	2.19E-04
4529	490863.09	3858877.25	4.81E-04	2.32E-08	4.71E-06	4.60E-06	4.90E-04	2.27E-04	9.56E-03	3.53E-04	1.69E-04	1.03E-02	2.16E-04	1.91E-08	4.71E-06	4.60E-06	2.25E-04
4530	491363.09	3858877.25	4.48E-04	1.58E-08	5.51E-06	4.18E-06	4.57E-04	2.11E-04	6.50E-03	4.13E-04	1.53E-04	7.27E-03	2.01E-04	1.29E-08	5.51E-06	4.18E-06	2.10E-04
4531	491863.09	3858877.25	3.49E-04	1.08E-08	5.57E-06	3.55E-06	3.58E-04	1.65E-04	4.45E-03	4.18E-04	1.30E-04	5.17E-03	1.57E-04	8.87E-09	5.57E-06	3.55E-06	1.66E-04
4532	492363.09	3858877.25	3.78E-04	1.12E-08	5.40E-06	3.42E-06	3.86E-04	1.78E-04	4.63E-03	4.05E-04	1.25E-04	5.33E-03	1.69E-04	9.21E-09	5.40E-06	3.42E-06	1.78E-04
4533	492863.09	3858877.25	3.88E-04	1.18E-08	4.87E-06	3.16E-06	3.96E-04	1.83E-04	4.87E-03	3.66E-04	1.16E-04	5.53E-03	1.74E-04	9.70E-09	4.87E-06	3.16E-06	1.82E-04
4534	493363.09	3858877.25	3.59E-04	9.99E-09	4.85E-06	2.90E-06	3.67E-04	1.70E-04	4.12E-03	3.63E-04	1.06E-04	4.75E-03	1.61E-04	8.20E-09	4.85E-06	2.90E-06	1.69E-04
4535	493863.09	3858877.25	3.04E-04	7.78E-09	4.51E-06	2.53E-06	3.11E-04	1.44E-04	3.21E-03	3.38E-04	9.26E-05	3.78E-03	1.36E-04	6.39E-09	4.51E-06	2.53E-06	1.44E-04
4536	494363.09	3858877.25	2.82E-04	6.89E-09	4.36E-06	2.33E-06	2.89E-04	1.33E-04	2.84E-03	3.27E-04	8.56E-05	3.38E-03	1.27E-04	5.65E-09	4.36E-06	2.33E-06	1.33E-04
4537	494863.09	3858877.25	2.54E-04	5.99E-09	3.75E-06	2.09E-06	2.60E-04	1.20E-04	2.47E-03	2.81E-04	7.65E-05	2.95E-03	1.14E-04	4.92E-09	3.75E-06	2.09E-06	1.20E-04
4538	495363.09	3858877.25	2.28E-04	5.23E-09	3.34E-06	1.90E-06	2.33E-04	1.08E-04	2.15E-03	2.50E-04	6.97E-05	2.58E-03	1.02E-04	4.29E-09	3.34E-06	1.90E-06	1.08E-04
4539	495863.09	3858877.25	2.16E-04	4.79E-09	3.12E-06	1.77E-06	2.20E-04	1.02E-04	1.97E-03	2.34E-04	6.50E-05	2.37E-03	9.67E-05	3.93E-09	3.12E-06	1.77E-06	1.02E-04
4540	496363.09	3858877.25	2.12E-04	4.55E-09	3.01E-06	1.69E-06	2.17E-04	1.00E-04	1.87E-03	2.26E-04	6.18E-05	2.26E-03	9.51E-05	3.73E-09	3.01E-06	1.69E-06	9.98E-05
4541	496863.09	3858877.25	2.09E-04	4.34E-09	2.91E-06	1.61E-06	2.13E-04	9.84E-05	1.79E-03	2.18E-04	5.89E-05	2.16E-03	9.36E-05	3.56E-09	2.91E-06	1.61E-06	9.81E-05
4542	497363.09	3858877.25	2.05E-04	4.14E-09	2.79E-06	1.54E-06	2.09E-04	9.65E-05	1.70E-03	2.09E-04	5.63E-05	2.07E-03	9.18E-05	3.40E-09	2.79E-06	1.54E-06	9.61E-05
4543	497863.09	3858877.25	2.25E-04	4.45E-09	2.97E-06	1.54E-06	2.29E-04	1.06E-04	1.83E-03	2.23E-04	5.66E-05	2.22E-03	1.01E-04	3.65E-09	2.97E-06	1.54E-06	1.05E-04
4544	498363.09	3858877.25	2.38E-04	4.80E-09	3.09E-06	1.55E-06	2.43E-04	1.12E-04	1.98E-03	2.31E-04	5.68E-05	2.38E-03	1.07E-04	3.94E-09	3.09E-06	1.55E-06	1.11E-04
4545	471363.09	3859377.25	3.90E-05	5.50E-10	3.55E-07	3.00E-07	3.97E-05	1.84E-05	2.26E-04	2.66E-05	1.10E-05	2.82E-04	1.75E-05	4.51E-10	3.55E-07	3.00E-07	1.81E-05
4546	471863.09	3859377.25	4.16E-05	5.77E-10	3.66E-07	3.09E-07	4.22E-05	1.96E-05	2.38E-04	2.74E-05	1.13E-05	2.96E-04	1.86E-05	4.73E-10	3.66E-07	3.09E-07	1.93E-05
4547	472363.09	3859377.25	4.51E-05	6.33E-10	3.72E-07	3.18E-07	4.57E-05	2.13E-05	2.61E-04	2.79E-05	1.17E-05	3.22E-04	2.02E-05	5.20E-10	3.72E-07	3.18E-07	2.09E-05
4548	472863.09	3859377.25	4.85E-05	6.79E-10	3.78E-07	3.25E-07	4.92E-05	2.29E-05	2.80E-04	2.84E-05	1.19E-05	3.43E-04	2.18E-05	5.57E-10	3.78E-07	3.25E-07	2.25E-05
4549	473363.09	3859377.25	5.23E-05	7.44E-10	3.81E-07	3.34E-07	5.31E-05	2.47E-05	3.06E-04	2.86E-05	1.23E-05	3.72E-04	2.35E-05	6.11E-10	3.81E-07	3.34E-07	2.42E-05
4550	473863.09	3859377.25	5.57E-05	7.68E-10	3.95E-07	3.47E-07	5.64E-05	2.63E-05	3.16E-04	2.96E-05	1.27E-05	3.85E-04	2.50E-05	6.30E-10	3.95E-07	3.47E-07	2.57E-05
4551	474363.09	3859377.25	5.45E-05	6.25E-10	4.86E-07	3.79E-07	5.54E-05	2.57E-05	2.57E-04	3.65E-05	1.39E-05	3.33E-04	2.44E-05	5.13E-10	4.86E-07	3.79E-07	2.53E-05
4552	474863.09	3859377.25	4.31E-05	4.42E-10	4.07E-07	3.56E-07	4.39E-05	2.03E-05	1.82E-04	3.05E-05	1.30E-05	2.46E-04	1.93E-05	3.63E-10	4.07E-07	3.56E-07	2.01E-05
4553	475363.09	3859377.25	2.76E-05	3.21E-10	2.78E-07	3.33E-07	2.83E-05	1.30E-05	1.32E-04	2.09E-05	1.22E-05	1.78E-04	1.24E-05	2.64E-10	2.78E-07	3.33E-07	1.30E-05
4554	475863.09	3859377.25	1.70E-05	2.50E-10	2.46E-07	3.31E-07	1.76E-05	8.01E-06	1.03E-04	1.84E-05	1.21E-05	1.42E-04	7.62E-06	2.05E-10	2.46E-07	3.31E-07	8.20E-06
4555	476363.09	3859377.25	1.53E-05	2.38E-10	2.51E-07	3.37E-07	1.59E-05	7.21E-06	9.80E-05	1.88E-05	1.23E-05	1.36E-04	6.86E-06	1.95E-10	2.51E-07	3.37E-07	7.44E-06
4556	476863.09	3859377.25	1.22E-05	2.13E-10	2.53E-07	3.43E-07	1.28E-05	5.76E-06	8.79E-05	1.89E-05	1.26E-05	1.25E-04	5.48E-06	1.75E-10	2.53E-07	3.43E-07	6.08E-06
4557	477363.09	3859377.25	1.36E-05	2.31E-10	2.65E-07	3.57E-07	1.43E-05	6.43E-06	9.51E-05	1.99E-05	1.31E-05	1.35E-04	6.11E-06	1.89E-10	2.65E-07	3.57E-07	6.73E-06
4558	477863.09	3859377.25	2.84E-05	3.53E-10	3.04E-07	3.97E-07	2.91E-05	1.34E-05	1.46E-04	2.28E-05	1.46E-05	1.96E-04	1.28E-05	2.90E-10	3.04E-07	3.97E-07	1.35E-05
4559	478363.09	3859377.25	4.97E-05	5.03E-10	4.31E-07	4.53E-07	5.06E-05	2.35E-05	2.07E-04	3.23E-05	1.66E-05	2.80E-04	2.23E-05	4.13E-10	4.31E-07	4.53E-07	2.32E-05
4560	478863.09	3859377.25	8.54E-05	7.62E-10	7.28E-07	5.42E-07	8.67E-05	4.03E-05	3.14E-04	5.46E-05	1.99E-05	4.28E-04	3.83E-05	6.25E-10	7.28E-07	5.42E-07	3.96E-05
4561	479363.09	3859377.25	1.17E-04	1.13E-09	8.26E-07	5.99E-07	1.18E-04	5.51E-05	4.66E-04	6.19E-05	2.20E-05	6.05E-04	5.24E-05	9.28E-10	8.26E-07	5.99E-07	5.38E-05
4562	479863.09	3859377.25	1.38E-04	1.62E-09	7.17E-07	6.16E-07	1.40E-04	6.53E-05	6.67E-04	5.38E-05	2.26E-05	8.09E-04	6.21E-05	1.33E-09	7.17E-07	6.16E-07	6.34E-05
4563	480363.09	3859377.25	1.54E-04	2.24E-09	6.17E-07	6.02E-07	1.55E-04	7.24E-05	9.24E-04	4.62E-05	2.21E-05	1.06E-03	6.89E-05	1.84E-09	6.17E-07	6.02E-07	7.01E-05
4564	480863.09	3859377.25	1.67E-04	2.76E-09	6.23E-07	5.95E-07	1.68E-04	7.88E-05	1.14E-03	4.67E-05	2.18E-05	1.29E-03	7.49E-05	2.27E-09	6.23E-07	5.95E-07	7.62E-05
4565	481363.09	3859377.25	1.83E-04	3.21E-09	6.87E-07	6.05E-07	1.84E-04	8.62E-05	1.32E-03	5.15E-05	2.22E-05	1.48E-03	8.20E-05	2.63E-09	6.87E-07	6.05E-07	8.33E-05
4566	481863.09	3859377.25	2.00E-04	3.66E-09	7.72E-07	6.43E-07	2.01E-04	9.41E-05	1.51E-03	5.79E-05	2.36E-05	1.68E-03	8.95E-05	3.00E-09	7.72E-07	6.43E-07	9.09E-05
4567	482363.09	3859377.25	2.18E-04	4.04E-09	8.69E-07	6.66E-07	2.20E-04	1.03E-04	1.67E-03	6.52E-05	2.44E-05	1.86E-03	9.79E-05	3.32E-09	8.69E-07	6.66E-07	9.94E-05
4568	482863.09	3859377.25	2.36E-04	4.80E-09	9.52E-07	7.14E-07	2.38E-04	1.11E-04	1.98E-03	7.14E-05	2.62E-05	2.18E-03	1.06E-04	3.94E-09	9.52E-07	7.14E-07	1.08E-04
4569	483363.09	3859377.25	2.50E-04	6.19E-09	1.03E-06	7.51E-07	2.52E-04	1.18E-04	2.55E-03	7.69E-05	2.75E-05	2.77E-03	1.12E-04	5.08E-09	1.03E-06	7.51E-07	1.14E-04
4570	483863.09	3859377.25	2.58E-04	7.57E-09	1.06E-06	8.52E-07	2.60E-04	1.22E-04	3.12E-03	7.98E-05	3.13E-05	3.35E-03	1.16E-04	6.21E-09	1.06E-06	8.52E-07	1.18E-04
4571	484363.09	3859377.25	2.76E-04	8.93E-09	1.13E-06	9.43E-07	2.78E-04	1.30E-04	3.68E-03	8.51E-05	3.46E-05	3.93E-03	1.24E-04	7.33E-09	1.13E-06	9.43E-07	1.26E-04

4572	484863.09	3859377.25	2.92E-04	1.09E-08	1.21E-06	1.07E-06	2.94E-04	1.38E-04	4.48E-03	9.08E-05	3.93E-05	4.74E-03	1.31E-04	8.92E-09	1.21E-06	1.07E-06	1.33E-04
4573	485363.09	3859377.25	2.94E-04	1.41E-08	1.30E-06	1.29E-06	2.96E-04	1.38E-04	5.80E-03	9.77E-05	4.71E-05	6.08E-03	1.32E-04	1.16E-08	1.30E-06	1.29E-06	1.34E-04
4574	485863.09	3859377.25	2.89E-04	2.00E-08	1.36E-06	1.58E-06	2.92E-04	1.37E-04	8.23E-03	1.02E-04	5.78E-05	8.52E-03	1.30E-04	1.64E-08	1.36E-06	1.58E-06	1.33E-04
4575	486363.09	3859377.25	2.87E-04	3.30E-08	1.26E-06	2.24E-06	2.91E-04	1.35E-04	1.36E-02	9.43E-05	8.22E-05	1.39E-02	1.29E-04	2.71E-08	1.26E-06	2.24E-06	1.32E-04
4576	486863.09	3859377.25	2.79E-04	1.35E-07	1.06E-06	3.88E-06	2.84E-04	1.32E-04	5.57E-02	7.99E-05	1.42E-04	5.61E-02	1.25E-04	1.11E-07	1.06E-06	3.88E-06	1.30E-04
4577	487363.09	3859377.25	2.89E-04	1.77E-07	9.07E-07	6.48E-06	2.96E-04	1.36E-04	7.29E-02	6.80E-05	2.38E-04	7.33E-02	1.30E-04	1.45E-07	9.07E-07	6.48E-06	1.37E-04
4578	487863.09	3859377.25	3.00E-04	1.89E-07	9.86E-07	8.50E-06	3.09E-04	1.41E-04	7.80E-02	7.39E-05	3.12E-04	7.85E-02	1.34E-04	1.55E-07	9.86E-07	8.50E-06	1.44E-04
4579	488363.09	3859377.25	3.15E-04	2.22E-07	9.75E-07	1.43E-05	3.31E-04	1.49E-04	9.13E-02	7.31E-05	5.25E-04	9.20E-02	1.41E-04	1.82E-07	9.75E-07	1.43E-05	1.57E-04
4580	488863.09	3859377.25	3.29E-04	1.45E-07	1.17E-06	1.71E-05	3.47E-04	1.55E-04	5.97E-02	8.80E-05	6.26E-04	6.06E-02	1.48E-04	1.19E-07	1.17E-06	1.71E-05	1.66E-04
4581	489363.09	3859377.25	3.44E-04	7.13E-08	1.53E-06	1.19E-05	3.57E-04	1.62E-04	2.94E-02	1.15E-04	4.38E-04	3.01E-02	1.54E-04	5.85E-08	1.53E-06	1.19E-05	1.68E-04
4582	489863.09	3859377.25	3.25E-04	4.94E-08	1.92E-06	8.21E-06	3.35E-04	1.53E-04	2.03E-02	1.44E-04	3.01E-04	2.09E-02	1.46E-04	4.05E-08	1.92E-06	8.21E-06	1.56E-04
4583	490363.09	3859377.25	3.18E-04	3.70E-08	2.21E-06	6.15E-06	3.26E-04	1.50E-04	1.52E-02	1.66E-04	2.26E-04	1.58E-02	1.43E-04	3.04E-08	2.21E-06	6.15E-06	1.51E-04
4584	490863.09	3859377.25	3.33E-04	2.64E-08	2.36E-06	5.02E-06	3.40E-04	1.57E-04	1.09E-02	1.77E-04	1.84E-04	1.14E-02	1.49E-04	2.17E-08	2.36E-06	5.02E-06	1.57E-04
4585	491363.09	3859377.25	3.33E-04	1.63E-08	2.74E-06	4.41E-06	3.40E-04	1.57E-04	6.72E-03	2.05E-04	1.62E-04	7.24E-03	1.49E-04	1.34E-08	2.74E-06	4.41E-06	1.57E-04
4586	491863.09	3859377.25	3.53E-04	1.75E-08	2.76E-06	3.73E-06	3.60E-04	1.67E-04	7.20E-03	2.07E-04	1.37E-04	7.71E-03	1.58E-04	1.43E-08	2.76E-06	3.73E-06	1.65E-04
4587	492363.09	3859377.25	3.45E-04	1.54E-08	2.87E-06	3.29E-06	3.51E-04	1.63E-04	6.34E-03	2.15E-04	1.21E-04	6.84E-03	1.55E-04	1.26E-08	2.87E-06	3.29E-06	1.61E-04
4588	492863.09	3859377.25	3.31E-04	1.40E-08	2.93E-06	2.95E-06	3.37E-04	1.56E-04	5.76E-03	2.20E-04	1.08E-04	6.24E-03	1.48E-04	1.15E-08	2.93E-06	2.95E-06	1.54E-04
4589	493363.09	3859377.25	3.11E-04	1.16E-08	3.15E-06	2.71E-06	3.17E-04	1.47E-04	4.77E-03	2.36E-04	9.93E-05	5.26E-03	1.40E-04	9.51E-09	3.15E-06	2.71E-06	1.45E-04
4590	493863.09	3859377.25	2.99E-04	1.05E-08	3.13E-06	2.50E-06	3.05E-04	1.41E-04	4.32E-03	2.34E-04	9.16E-05	4.78E-03	1.34E-04	8.60E-09	3.13E-06	2.50E-06	1.40E-04
4591	494363.09	3859377.25	2.84E-04	9.10E-09	3.13E-06	2.30E-06	2.90E-04	1.34E-04	3.75E-03	2.35E-04	8.44E-05	4.20E-03	1.27E-04	7.46E-09	3.13E-06	2.30E-06	1.33E-04
4592	494863.09	3859377.25	2.57E-04	7.34E-09	3.09E-06	2.07E-06	2.62E-04	1.21E-04	3.02E-03	2.32E-04	7.61E-05	3.45E-03	1.15E-04	6.02E-09	3.09E-06	2.07E-06	1.20E-04
4593	495363.09	3859377.25	2.46E-04	6.71E-09	2.97E-06	1.93E-06	2.51E-04	1.16E-04	2.76E-03	2.23E-04	7.06E-05	3.17E-03	1.10E-04	5.51E-09	2.97E-06	1.93E-06	1.15E-04
4594	495863.09	3859377.25	2.30E-04	5.97E-09	2.84E-06	1.77E-06	2.35E-04	1.09E-04	2.46E-03	2.13E-04	6.49E-05	2.85E-03	1.03E-04	4.90E-09	2.84E-06	1.77E-06	1.08E-04
4595	496363.09	3859377.25	2.28E-04	5.70E-09	2.82E-06	1.68E-06	2.32E-04	1.07E-04	2.35E-03	2.11E-04	6.16E-05	2.73E-03	1.02E-04	4.68E-09	2.82E-06	1.68E-06	1.07E-04
4596	496863.09	3859377.25	2.09E-04	4.96E-09	2.65E-06	1.53E-06	2.13E-04	9.85E-05	2.04E-03	1.98E-04	5.62E-05	2.39E-03	9.37E-05	4.07E-09	2.65E-06	1.53E-06	9.79E-05
4597	497363.09	3859377.25	2.14E-04	4.98E-09	2.72E-06	1.50E-06	2.18E-04	1.01E-04	2.05E-03	2.04E-04	5.49E-05	2.41E-03	9.59E-05	4.09E-09	2.72E-06	1.50E-06	1.00E-04
4598	497863.09	3859377.25	2.22E-04	5.31E-09	2.76E-06	1.49E-06	2.27E-04	1.05E-04	2.19E-03	2.07E-04	5.45E-05	2.55E-03	9.97E-05	4.35E-09	2.76E-06	1.49E-06	1.04E-04
4599	498363.09	3859377.25	2.22E-04	5.50E-09	2.66E-06	1.44E-06	2.26E-04	1.05E-04	2.26E-03	1.99E-04	5.27E-05	2.62E-03	9.97E-05	4.51E-09	2.66E-06	1.44E-06	1.04E-04
4600	471363.09	3859877.25	4.08E-05	5.88E-10	3.11E-07	2.90E-07	4.14E-05	1.92E-05	2.42E-04	2.33E-05	1.06E-05	2.95E-04	1.83E-05	4.83E-10	3.11E-07	2.90E-07	1.89E-05
4601	471863.09	3859877.25	4.35E-05	6.26E-10	3.12E-07	2.97E-07	4.41E-05	2.05E-05	2.58E-04	2.34E-05	1.09E-05	3.13E-04	1.95E-05	5.14E-10	3.12E-07	2.97E-07	2.01E-05
4602	472363.09	3859877.25	4.62E-05	6.55E-10	3.16E-07	3.07E-07	4.68E-05	2.18E-05	2.70E-04	2.37E-05	1.12E-05	3.27E-04	2.07E-05	5.38E-10	3.16E-07	3.07E-07	2.13E-05
4603	472863.09	3859877.25	4.95E-05	7.20E-10	3.12E-07	3.17E-07	5.01E-05	2.33E-05	2.97E-04	2.34E-05	1.16E-05	3.55E-04	2.22E-05	5.91E-10	3.12E-07	3.17E-07	2.28E-05
4604	473363.09	3859877.25	5.28E-05	7.88E-10	3.11E-07	3.28E-07	5.35E-05	2.49E-05	3.24E-04	2.33E-05	1.20E-05	3.85E-04	2.37E-05	6.46E-10	3.11E-07	3.28E-07	2.43E-05
4605	473863.09	3859877.25	5.62E-05	8.39E-10	3.16E-07	3.42E-07	5.69E-05	2.65E-05	3.46E-04	2.37E-05	1.25E-05	4.08E-04	2.52E-05	6.88E-10	3.16E-07	3.42E-07	2.59E-05
4606	474363.09	3859877.25	5.69E-05	7.14E-10	4.46E-07	3.87E-07	5.77E-05	2.68E-05	2.94E-04	3.35E-05	1.42E-05	3.69E-04	2.55E-05	5.86E-10	4.46E-07	3.87E-07	2.63E-05
4607	474863.09	3859877.25	5.34E-05	5.66E-10	4.86E-07	3.84E-07	5.43E-05	2.52E-05	2.33E-04	3.65E-05	1.41E-05	3.09E-04	2.40E-05	4.64E-10	4.86E-07	3.84E-07	2.48E-05
4608	475363.09	3859877.25	3.52E-05	3.61E-10	3.08E-07	3.33E-07	3.58E-05	1.66E-05	1.49E-04	2.31E-05	1.22E-05	2.01E-04	1.58E-05	2.96E-10	3.08E-07	3.33E-07	1.64E-05
4609	475863.09	3859877.25	1.67E-05	2.33E-10	2.42E-07	3.16E-07	1.73E-05	7.89E-06	9.61E-05	1.82E-05	1.16E-05	1.34E-04	7.51E-06	1.91E-10	2.42E-07	3.16E-07	8.06E-06
4610	476363.09	3859877.25	9.58E-06	1.72E-10	2.38E-07	3.06E-07	1.01E-05	4.52E-06	7.09E-05	1.79E-05	1.12E-05	1.04E-04	4.30E-06	1.41E-10	2.38E-07	3.06E-07	4.84E-06
4611	476863.09	3859877.25	1.14E-05	1.95E-10	2.69E-07	3.24E-07	1.20E-05	5.36E-06	8.03E-05	2.02E-05	1.19E-05	1.18E-04	5.10E-06	1.60E-10	2.69E-07	3.24E-07	5.69E-06
4612	477363.09	3859877.25	1.25E-05	2.09E-10	2.92E-07	3.38E-07	1.32E-05	5.91E-06	8.60E-05	2.19E-05	1.24E-05	1.26E-04	5.62E-06	1.71E-10	2.92E-07	3.38E-07	6.25E-06
4613	477863.09	3859877.25	2.51E-05	3.15E-10	3.35E-07	3.77E-07	2.58E-05	1.19E-05	1.30E-04	2.51E-05	1.38E-05	1.81E-04	1.13E-05	2.59E-10	3.35E-07	3.77E-07	1.20E-05
4614	478363.09	3859877.25	4.98E-05	4.86E-10	5.31E-07	4.33E-07	5.07E-05	2.35E-05	2.00E-04	3.98E-05	1.59E-05	2.79E-04	2.23E-05	3.98E-10	5.31E-07	4.33E-07	2.33E-05
4615	478863.09	3859877.25	8.21E-05	7.52E-10	9.27E-07	5.16E-07	8.36E-05	3.87E-05	3.10E-04	6.95E-05	1.89E-05	4.37E-04	3.68E-05	6.17E-10	9.27E-07	5.16E-07	3.83E-05
4616	479363.09	3859877.25	1.11E-04	1.21E-09	9.53E-07	5.80E-07	1.12E-04	5.21E-05	4.99E-04	7.15E-05	2.13E-05	6.44E-04	4.96E-05	9.94E-10	9.53E-07	5.80E-07	5.11E-05
4617	479863.09	3859877.25	1.25E-04	1.72E-09	7.92E-07	5.71E-07	1.27E-04	5.92E-05	7.08E-04	5.94E-05	2.09E-05	8.48E-04	5.62E-05	1.41E-09	7.92E-07	5.71E-07	5.76E-05
4618	480363.09	3859877.25	1.37E-04	2.28E-09	7.24E-07	5.31E-07	1.38E-04	6.45E-05	9.40E-04	5.43E-05	1.95E-05	1.08E-03	6.13E-05	1.87E-09	7.24E-07	5.31E-07	6.26E-05
4619	480863.09	3859877.25	1.48E-04	2.71E-09	7.59E-07	5.31E-07	1.49E-04	6.98E-05	1.12E-03	5.70E-05	1.95E-05	1.26E-03	6.64E-05	2.22E-09	7.59E-07	5.31E-07	6.77E-05
4620	481363.09	3859877.25	1.58E-04	3.10E-09	8.02E-07	5.48E-07	1.59E-04	7.46E-05	1.28E-03	6.01E-05	2.01E-05	1.43E-03	7.09E-05	2.55E-09	8.02E-07	5.48E-07	7.22E-05
4621	481863.09	3859877.25	1.69E-04	3.49E-09	8.46E-07	5.73E-07	1.71E-04	7.99E-05	1.44E-03	6.35E-05	2.10E-05	1.60E-03	7.59E-05	2.86E-09	8.46E-07	5.73E-07	7.74E-05
4622	482363.09	3859877.25	1.84E-04	3.94E-09	8.85E-07	6.01E-07	1.86E-04	8.69E-05	1.63E-03	6.64E-05	2.20E-05	1.80E-03	8.27E-05	3.24E-09	8.85E-07	6.01E-07	8.42E-05
4623	482863.09	3859877.25	2.00E-04	4.50E-09	9.20E-07	6.42E-07	2.02E-04	9.44E-05	1.85E-03	6.90E-05	2.36E-05	2.04E-03	8.98E-05	3.69E-09	9.20E-07	6.42E-07	9.13E-05
4624	483363.09	3859877.25	2.15E-04	5.19E-09	9.50E-07	6.81E-07	2.17E-04	1.02E-04	2.14E-03	7.12E-05	2.50E-05	2.33E-03	9.66E-05	4.26E-09	9.50E-07	6.81E-07	9.82E-05
4625	483863.09	3859877.25	2.19E-04	6.56E-09	9.75E-07	7.52E-07	2.21E-04	1.03E-04	2.70E-03	7.32E-05	2.76E-05	2.91E-03	9.82E-05	5.38E-09	9.75E-07	7.52E-07	9.99E-05
4626	484363.09	3859877.25	2.28E-04	7.64E-09	1.04E-06	8.32E-07	2.30E-04	1.07E-04	3.15E-03	7.82E-05	3.05E-05	3.36E-03	1.02E-04	6.27E-09	1.04E-06	8.32E-07	1.04E-04
4627	484863.09	3859877.25	2.34E-04	9.09E-09	1.11E-06	9.30E-07	2.36E-04	1.10E-04	3.74E-03	8.34E-05	3.41E-05	3.97E-03	1.05E-04	7.46E-09	1.11E-06	9.30E-07	1.07E-04
4628	485363.09	3859877.25	2.31E-04	1.12E-08	1.13E-06	1.02E-06	2.33E-04	1.09E-04	4.61E-03	8.48E-05	3.75E-05	4.84E-03	1.03E-04	9.19E-09	1.13E-06	1.02E-06	1.06E-04
4629	485863.09	3859877.25	2.25E-04	1.44E-08	1.03E-06	1.23E-06	2.28E-04	1.06E-04	5.94E-03	7.76E-05	4.50E-05	6.17E-03	1.01E-04	1.18E-08	1.03E-06	1.23E-06	1.03E-04
4630	486363.09	3859877.25	2.23E-04	1.89E-08	8.89E-07	1.58E-06	2.26E-04	1.05E-04	7.77E-03	6.67E-05	5.78E-05	8.00E-03	1.00E-04	1.55E-08	8.89E-07	1.58E-06	1.03E-04
4631	486863.09	3859877.25	2.21E-04	2.53E-08	7.29E-07	2.19E-06	2.24E-04	1.04E-04	1.04E-02	5.47E-05	8.02E-05	1.07E-02	9.91E-05	2.07E-08	7.29E-07	2.19E-06	1.02E-04
4632	487363.09	3859877.25	2.23E-04	3.74E-08	6.57E-07	3.35E-06	2.27E-04	1.05E-04	1.54E-02	4.93E-05	1.23E-04	1.57E-02	1.00E-04	3.07E-08	6.57E-07	3.35E-06	1.04E-04

4633	487863.09	3859877.25	2.32E-04	1.58E-07	8.05E-07	7.11E-06	2.40E-04	1.10E-04	6.50E-02	6.04E-05	2.61E-04	6.55E-02	1.04E-04	1.30E-07	8.05E-07	7.11E-06	1.12E-04
4634	488363.09	3859877.25	2.39E-04	1.95E-07	7.59E-07	1.33E-05	2.53E-04	1.13E-04	8.04E-02	5.69E-05	4.87E-04	8.11E-02	1.07E-04	1.60E-07	7.59E-07	1.33E-05	1.21E-04
4635	488863.09	3859877.25	2.49E-04	8.32E-08	7.31E-07	2.47E-05	2.74E-04	1.17E-04	3.43E-02	5.48E-05	9.05E-04	3.54E-02	1.12E-04	6.83E-08	7.31E-07	2.47E-05	1.37E-04
4636	489363.09	3859877.25	2.57E-04	6.05E-08	1.06E-06	1.27E-05	2.70E-04	1.21E-04	2.49E-02	7.93E-05	4.64E-04	2.56E-02	1.15E-04	4.96E-08	1.06E-06	1.27E-05	1.29E-04
4637	489863.09	3859877.25	2.68E-04	4.73E-08	1.19E-06	7.67E-06	2.76E-04	1.26E-04	1.95E-02	8.96E-05	2.81E-04	2.00E-02	1.20E-04	3.88E-08	1.19E-06	7.67E-06	1.29E-04
4638	490363.09	3859877.25	2.52E-04	3.83E-08	1.34E-06	5.43E-06	2.59E-04	1.19E-04	1.58E-02	1.01E-04	1.99E-04	1.62E-02	1.13E-04	3.14E-08	1.34E-06	5.43E-06	1.20E-04
4639	490863.09	3859877.25	2.44E-04	3.05E-08	1.48E-06	4.15E-06	2.50E-04	1.15E-04	1.26E-02	1.11E-04	1.52E-04	1.29E-02	1.09E-04	2.50E-08	1.48E-06	4.15E-06	1.15E-04
4640	491363.09	3859877.25	2.45E-04	2.55E-08	1.60E-06	3.44E-06	2.50E-04	1.16E-04	1.05E-02	1.20E-04	1.26E-04	1.09E-02	1.10E-04	2.09E-08	1.60E-06	3.44E-06	1.15E-04
4641	491863.09	3859877.25	2.57E-04	2.13E-08	1.67E-06	2.95E-06	2.61E-04	1.21E-04	8.79E-03	1.25E-04	1.08E-04	9.14E-03	1.15E-04	1.75E-08	1.67E-06	2.95E-06	1.20E-04
4642	492363.09	3859877.25	2.70E-04	1.82E-08	1.77E-06	2.61E-06	2.74E-04	1.27E-04	7.50E-03	1.33E-04	9.56E-05	7.85E-03	1.21E-04	1.49E-08	1.77E-06	2.61E-06	1.25E-04
4643	492863.09	3859877.25	2.75E-04	1.52E-08	1.84E-06	2.36E-06	2.79E-04	1.30E-04	6.28E-03	1.38E-04	8.66E-05	6.63E-03	1.23E-04	1.25E-08	1.84E-06	2.36E-06	1.28E-04
4644	493363.09	3859877.25	2.70E-04	1.33E-08	1.89E-06	2.16E-06	2.74E-04	1.27E-04	5.46E-03	1.42E-04	7.93E-05	5.81E-03	1.21E-04	1.09E-08	1.89E-06	2.16E-06	1.25E-04
4645	493863.09	3859877.25	2.61E-04	1.17E-08	1.94E-06	2.00E-06	2.65E-04	1.23E-04	4.81E-03	1.46E-04	7.34E-05	5.15E-03	1.17E-04	9.57E-09	1.94E-06	2.00E-06	1.21E-04
4646	494363.09	3859877.25	2.49E-04	1.01E-08	2.04E-06	1.88E-06	2.53E-04	1.17E-04	4.15E-03	1.53E-04	6.89E-05	4.49E-03	1.12E-04	8.27E-09	2.04E-06	1.88E-06	1.16E-04
4647	494863.09	3859877.25	2.40E-04	9.15E-09	2.10E-06	1.76E-06	2.44E-04	1.13E-04	3.77E-03	1.58E-04	6.47E-05	4.10E-03	1.08E-04	7.51E-09	2.10E-06	1.76E-06	1.12E-04
4648	495363.09	3859877.25	2.32E-04	8.12E-09	2.18E-06	1.67E-06	2.35E-04	1.09E-04	3.35E-03	1.64E-04	6.14E-05	3.68E-03	1.04E-04	6.67E-09	2.18E-06	1.67E-06	1.08E-04
4649	495863.09	3859877.25	2.23E-04	7.19E-09	2.25E-06	1.59E-06	2.27E-04	1.05E-04	2.96E-03	1.69E-04	5.84E-05	3.30E-03	1.00E-04	5.90E-09	2.25E-06	1.59E-06	1.04E-04
4650	496363.09	3859877.25	2.09E-04	6.07E-09	2.31E-06	1.50E-06	2.13E-04	9.86E-05	2.50E-03	1.73E-04	5.50E-05	2.83E-03	9.38E-05	4.98E-09	2.31E-06	1.50E-06	9.76E-05
4651	496863.09	3859877.25	1.69E-04	4.42E-09	1.97E-06	1.28E-06	1.73E-04	7.98E-05	1.82E-03	1.48E-04	4.68E-05	2.10E-03	7.59E-05	3.63E-09	1.97E-06	1.28E-06	7.92E-05
4652	497363.09	3859877.25	1.92E-04	5.08E-09	2.17E-06	1.35E-06	1.95E-04	9.05E-05	2.09E-03	1.63E-04	4.93E-05	2.39E-03	8.61E-05	4.17E-09	2.17E-06	1.35E-06	8.96E-05
4653	497863.09	3859877.25	1.99E-04	5.69E-09	2.06E-06	1.32E-06	2.02E-04	9.38E-05	2.34E-03	1.54E-04	4.85E-05	2.64E-03	8.92E-05	4.67E-09	2.06E-06	1.32E-06	9.26E-05
4654	498363.09	3859877.25	1.97E-04	5.80E-09	2.01E-06	1.25E-06	2.00E-04	9.29E-05	2.39E-03	1.51E-04	4.58E-05	2.68E-03	8.84E-05	4.76E-09	2.01E-06	1.25E-06	9.16E-05
4655	471363.09	3860377.25	4.18E-05	6.29E-10	2.61E-07	2.81E-07	4.24E-05	1.97E-05	2.59E-04	1.96E-05	1.03E-05	3.09E-04	1.88E-05	5.16E-10	2.61E-07	2.81E-07	1.93E-05
4656	471863.09	3860377.25	4.43E-05	6.67E-10	2.69E-07	2.91E-07	4.49E-05	2.09E-05	2.75E-04	2.02E-05	1.07E-05	3.26E-04	1.99E-05	5.47E-10	2.69E-07	2.91E-07	2.04E-05
4657	472363.09	3860377.25	4.70E-05	7.19E-10	2.75E-07	3.01E-07	4.76E-05	2.22E-05	2.96E-04	2.06E-05	1.11E-05	3.50E-04	2.11E-05	5.90E-10	2.75E-07	3.01E-07	2.17E-05
4658	472863.09	3860377.25	5.00E-05	7.85E-10	2.80E-07	3.10E-07	5.06E-05	2.36E-05	3.24E-04	2.10E-05	1.14E-05	3.79E-04	2.24E-05	6.44E-10	2.80E-07	3.10E-07	2.30E-05
4659	473363.09	3860377.25	5.34E-05	8.42E-10	2.91E-07	3.19E-07	5.41E-05	2.52E-05	3.47E-04	2.18E-05	1.17E-05	4.06E-04	2.40E-05	6.91E-10	2.91E-07	3.19E-07	2.46E-05
4660	473863.09	3860377.25	5.75E-05	8.77E-10	3.14E-07	3.29E-07	5.81E-05	2.71E-05	3.61E-04	2.35E-05	1.21E-05	4.24E-04	2.58E-05	7.20E-10	3.14E-07	3.29E-07	2.64E-05
4661	474363.09	3860377.25	6.15E-05	8.46E-10	3.69E-07	3.46E-07	6.23E-05	2.90E-05	3.48E-04	2.77E-05	1.27E-05	4.18E-04	2.76E-05	6.94E-10	3.69E-07	3.46E-07	2.83E-05
4662	474863.09	3860377.25	6.42E-05	7.61E-10	5.64E-07	3.91E-07	6.52E-05	3.03E-05	3.13E-04	4.23E-05	1.43E-05	4.00E-04	2.88E-05	6.24E-10	5.64E-07	3.91E-07	2.98E-05
4663	475363.09	3860377.25	6.10E-05	6.14E-10	6.72E-07	3.87E-07	6.20E-05	2.88E-05	2.53E-04	5.04E-05	1.42E-05	3.46E-04	2.74E-05	5.04E-10	6.72E-07	3.87E-07	2.84E-05
4664	475863.09	3860377.25	5.27E-05	4.92E-10	5.91E-07	3.64E-07	5.36E-05	2.48E-05	2.03E-04	4.43E-05	1.34E-05	2.85E-04	2.36E-05	4.04E-10	5.91E-07	3.64E-07	2.46E-05
4665	476363.09	3860377.25	4.08E-05	3.95E-10	4.54E-07	3.48E-07	4.16E-05	1.93E-05	1.63E-04	3.41E-05	1.28E-05	2.29E-04	1.83E-05	3.24E-10	4.54E-07	3.48E-07	1.91E-05
4666	476863.09	3860377.25	3.61E-05	3.65E-10	4.31E-07	3.54E-07	3.69E-05	1.70E-05	1.51E-04	3.23E-05	1.30E-05	2.13E-04	1.62E-05	3.00E-10	4.31E-07	3.54E-07	1.70E-05
4667	477363.09	3860377.25	2.04E-05	2.61E-10	3.69E-07	3.40E-07	2.11E-05	9.62E-06	1.08E-04	2.77E-05	1.25E-05	1.58E-04	9.15E-06	2.15E-10	3.69E-07	3.40E-07	9.86E-06
4668	477863.09	3860377.25	2.72E-05	3.11E-10	4.26E-07	3.61E-07	2.80E-05	1.28E-05	1.28E-04	3.20E-05	1.32E-05	1.86E-04	1.22E-05	2.55E-10	4.26E-07	3.61E-07	1.30E-05
4669	478363.09	3860377.25	5.47E-05	5.11E-10	6.70E-07	4.25E-07	5.58E-05	2.58E-05	2.10E-04	5.03E-05	1.56E-05	3.02E-04	2.45E-05	4.19E-10	6.70E-07	4.25E-07	2.56E-05
4670	478863.09	3860377.25	7.93E-05	7.70E-10	7.60E-07	4.72E-07	8.05E-05	3.74E-05	3.17E-04	5.70E-05	1.73E-05	4.29E-04	3.56E-05	6.32E-10	7.60E-07	4.72E-07	3.68E-05
4671	479363.09	3860377.25	1.01E-04	1.19E-09	7.74E-07	5.16E-07	1.02E-04	4.75E-05	4.90E-04	5.80E-05	1.89E-05	6.15E-04	4.52E-05	9.76E-10	7.74E-07	5.16E-07	4.64E-05
4672	479863.09	3860377.25	1.13E-04	1.74E-09	7.27E-07	5.03E-07	1.15E-04	5.34E-05	7.18E-04	5.45E-05	1.84E-05	8.45E-04	5.08E-05	1.43E-09	7.27E-07	5.03E-07	5.21E-05
4673	480363.09	3860377.25	1.21E-04	2.25E-09	7.23E-07	4.87E-07	1.22E-04	5.72E-05	9.25E-04	5.42E-05	1.78E-05	1.05E-03	5.44E-05	1.84E-09	7.23E-07	4.87E-07	5.56E-05
4674	480863.09	3860377.25	1.28E-04	2.63E-09	7.40E-07	4.88E-07	1.29E-04	6.03E-05	1.08E-03	5.55E-05	1.79E-05	1.22E-03	5.73E-05	2.16E-09	7.40E-07	4.88E-07	5.85E-05
4675	481363.09	3860377.25	1.36E-04	2.95E-09	7.64E-07	5.11E-07	1.37E-04	6.42E-05	1.22E-03	5.73E-05	1.88E-05	1.36E-03	6.11E-05	2.42E-09	7.64E-07	5.11E-07	6.24E-05
4676	481863.09	3860377.25	1.49E-04	3.36E-09	7.81E-07	5.28E-07	1.50E-04	7.01E-05	1.39E-03	5.86E-05	1.94E-05	1.53E-03	6.67E-05	2.76E-09	7.81E-07	5.28E-07	6.80E-05
4677	482363.09	3860377.25	1.62E-04	3.73E-09	7.98E-07	5.56E-07	1.63E-04	7.64E-05	1.54E-03	5.98E-05	2.04E-05	1.69E-03	7.27E-05	3.06E-09	7.98E-07	5.56E-07	7.40E-05
4678	482863.09	3860377.25	1.73E-04	4.13E-09	8.36E-07	5.83E-07	1.74E-04	8.14E-05	1.70E-03	6.27E-05	2.14E-05	1.87E-03	7.74E-05	3.39E-09	8.36E-07	5.83E-07	7.88E-05
4679	483363.09	3860377.25	1.83E-04	4.81E-09	9.01E-07	6.23E-07	1.85E-04	8.63E-05	1.98E-03	6.76E-05	2.29E-05	2.16E-03	8.21E-05	3.95E-09	9.01E-07	6.23E-07	8.36E-05
4680	483863.09	3860377.25	1.94E-04	5.41E-09	9.62E-07	6.78E-07	1.96E-04	9.17E-05	2.23E-03	7.21E-05	2.48E-05	2.42E-03	8.72E-05	4.44E-09	9.62E-07	6.78E-07	8.88E-05
4681	484363.09	3860377.25	1.91E-04	6.45E-09	9.62E-07	7.39E-07	1.93E-04	9.00E-05	2.66E-03	7.21E-05	2.71E-05	2.84E-03	8.56E-05	5.29E-09	9.62E-07	7.39E-07	8.73E-05
4682	484863.09	3860377.25	1.92E-04	7.49E-09	9.58E-07	7.76E-07	1.94E-04	9.06E-05	3.09E-03	7.18E-05	2.84E-05	3.28E-03	8.62E-05	6.15E-09	9.58E-07	7.76E-07	8.79E-05
4683	485363.09	3860377.25	1.85E-04	8.90E-09	8.81E-07	8.26E-07	1.87E-04	8.74E-05	3.67E-03	6.61E-05	3.03E-05	3.85E-03	8.31E-05	7.30E-09	8.81E-07	8.26E-07	8.48E-05
4684	485863.09	3860377.25	1.83E-04	1.09E-08	7.83E-07	9.36E-07	1.85E-04	8.62E-05	4.47E-03	5.87E-05	3.43E-05	4.65E-03	8.20E-05	8.91E-09	7.83E-07	9.36E-07	8.37E-05
4685	486363.09	3860377.25	1.79E-04	1.33E-08	6.43E-07	1.11E-06	1.81E-04	8.45E-05	5.48E-03	4.82E-05	4.08E-05	5.65E-03	8.03E-05	1.09E-08	6.43E-07	1.11E-06	8.21E-05
4686	486863.09	3860377.25	1.77E-04	1.69E-08	6.00E-07	1.46E-06	1.79E-04	8.33E-05	6.96E-03	4.50E-05	5.34E-05	7.14E-03	7.92E-05	1.39E-08	6.00E-07	1.46E-06	8.13E-05
4687	487363.09	3860377.25	1.78E-04	2.62E-08	5.72E-07	2.08E-06	1.81E-04	8.40E-05	1.08E-02	4.29E-05	7.61E-05	1.10E-02	7.99E-05	2.15E-08	5.72E-07	2.08E-06	8.25E-05
4688	487863.09	3860377.25	1.84E-04	1.33E-07	7.30E-07	4.04E-06	1.89E-04	8.66E-05	5.50E-02	5.47E-05	1.48E-04	5.53E-02	8.24E-05	1.10E-07	7.30E-07	4.04E-06	8.73E-05
4689	488363.09	3860377.25	1.87E-04	1.90E-07	6.70E-07	9.35E-06	1.97E-04	8.82E-05	7.83E-02	5.03E-05	3.43E-04	7.88E-02	8.38E-05	1.56E-07	6.70E-07	9.35E-06	9.40E-05
4690	488863.09	3860377.25	1.96E-04	2.07E-07	5.47E-07	1.22E-05	2.08E-04	9.22E-05	8.54E-02	4.10E-05	4.47E-04	8.60E-02	8.77E-05	1.70E-07	5.47E-07	1.22E-05	1.01E-04
4691	489363.09	3860377.25	2.00E-04	9.28E-08	7.10E-07	6.23E-06	2.07E-04	9.42E-05	3.82E-02	5.33E-05	2.28E-04	3.86E-02	8.96E-05	7.61E-08	7.10E-07	6.23E-06	9.66E-05
4692	489863.09	3860377.25	2.05E-04	4.81E-08	9.43E-07	4.19E-06	2.10E-04	9.68E-05	1.98E-02	7.07E-05	1.54E-04	2.01E-02	9.21E-05	3.95E-08	9.43E-07	4.19E-06	9.72E-05
4693	490363.09	3860377.25	2.13E-04	3.39E-08	9.79E-07	3.28E-06	2.17E-04	1.00E-04	1.40E-02	7.34E-05	1.20E-04	1.43E-02	9.54E-05	2.79E-08	9.79E-07	3.28E-06	9.97E-05

4694	490863.09	3860377.25	2.03E-04	2.66E-08	1.06E-06	2.69E-06	2.07E-04	9.58E-05	1.09E-02	7.93E-05	9.87E-05	1.12E-02	9.11E-05	2.18E-08	1.06E-06	2.69E-06	9.49E-05
4695	491363.09	3860377.25	1.90E-04	2.18E-08	1.05E-06	2.30E-06	1.93E-04	8.95E-05	8.98E-03	7.85E-05	8.43E-05	9.23E-03	8.51E-05	1.79E-08	1.05E-06	2.30E-06	8.85E-05
4696	491863.09	3860377.25	1.88E-04	1.86E-08	1.12E-06	2.07E-06	1.92E-04	8.88E-05	7.65E-03	8.40E-05	7.58E-05	7.90E-03	8.45E-05	1.52E-08	1.12E-06	2.07E-06	8.77E-05
4697	492363.09	3860377.25	1.96E-04	1.62E-08	1.21E-06	1.92E-06	1.99E-04	9.24E-05	6.67E-03	9.06E-05	7.04E-05	6.92E-03	8.79E-05	1.33E-08	1.21E-06	1.92E-06	9.10E-05
4698	492863.09	3860377.25	2.05E-04	1.43E-08	1.24E-06	1.78E-06	2.08E-04	9.66E-05	5.88E-03	9.28E-05	6.52E-05	6.13E-03	9.18E-05	1.17E-08	1.24E-06	1.78E-06	9.49E-05
4699	493363.09	3860377.25	2.17E-04	1.26E-08	1.35E-06	1.63E-06	2.20E-04	1.02E-04	5.17E-03	1.01E-04	5.99E-05	5.43E-03	9.73E-05	1.03E-08	1.35E-06	1.63E-06	1.00E-04
4700	493863.09	3860377.25	2.18E-04	1.14E-08	1.44E-06	1.55E-06	2.21E-04	1.03E-04	4.69E-03	1.08E-04	5.68E-05	4.96E-03	9.78E-05	9.35E-09	1.44E-06	1.55E-06	1.01E-04
4701	494363.09	3860377.25	2.16E-04	1.02E-08	1.46E-06	1.46E-06	2.19E-04	1.02E-04	4.20E-03	1.10E-04	5.36E-05	4.46E-03	9.69E-05	8.36E-09	1.46E-06	1.46E-06	9.98E-05
4702	494863.09	3860377.25	2.09E-04	9.40E-09	1.50E-06	1.40E-06	2.11E-04	9.83E-05	3.87E-03	1.13E-04	5.12E-05	4.13E-03	9.35E-05	7.71E-09	1.50E-06	1.40E-06	9.64E-05
4703	495363.09	3860377.25	2.03E-04	8.50E-09	1.50E-06	1.33E-06	2.06E-04	9.56E-05	3.50E-03	1.12E-04	4.87E-05	3.76E-03	9.10E-05	6.97E-09	1.50E-06	1.33E-06	9.38E-05
4704	495863.09	3860377.25	1.96E-04	7.31E-09	1.55E-06	1.29E-06	1.99E-04	9.25E-05	3.01E-03	1.16E-04	4.74E-05	3.27E-03	8.80E-05	6.00E-09	1.55E-06	1.29E-06	9.08E-05
4705	496363.09	3860377.25	1.88E-04	6.19E-09	1.74E-06	1.27E-06	1.91E-04	8.85E-05	2.55E-03	1.31E-04	4.67E-05	2.82E-03	8.41E-05	5.08E-09	1.74E-06	1.27E-06	8.71E-05
4706	496863.09	3860377.25	1.79E-04	5.36E-09	1.88E-06	1.22E-06	1.82E-04	8.44E-05	2.21E-03	1.41E-04	4.46E-05	2.48E-03	8.03E-05	4.40E-09	1.88E-06	1.22E-06	8.34E-05
4707	497363.09	3860377.25	1.66E-04	4.54E-09	1.89E-06	1.14E-06	1.69E-04	7.84E-05	1.87E-03	1.42E-04	4.17E-05	2.13E-03	7.45E-05	3.73E-09	1.89E-06	1.14E-06	7.76E-05
4708	497863.09	3860377.25	1.73E-04	5.09E-09	1.77E-06	1.15E-06	1.76E-04	8.18E-05	2.10E-03	1.33E-04	4.21E-05	2.35E-03	7.78E-05	4.18E-09	1.77E-06	1.15E-06	8.07E-05
4709	498363.09	3860377.25	1.73E-04	5.40E-09	1.61E-06	1.08E-06	1.75E-04	8.15E-05	2.22E-03	1.21E-04	3.96E-05	2.47E-03	7.75E-05	4.43E-09	1.61E-06	1.08E-06	8.02E-05
4710	471363.09	3860877.25	4.24E-05	6.68E-10	2.73E-07	2.78E-07	4.29E-05	2.00E-05	2.75E-04	2.05E-05	1.02E-05	3.26E-04	1.90E-05	5.48E-10	2.73E-07	2.78E-07	1.96E-05
4711	471863.09	3860877.25	4.48E-05	7.12E-10	2.87E-07	2.86E-07	4.53E-05	2.11E-05	2.93E-04	2.16E-05	1.05E-05	3.46E-04	2.01E-05	5.84E-10	2.87E-07	2.86E-07	2.06E-05
4712	472363.09	3860877.25	4.76E-05	7.54E-10	3.05E-07	2.94E-07	4.82E-05	2.24E-05	3.11E-04	2.29E-05	1.08E-05	3.67E-04	2.13E-05	6.19E-10	3.05E-07	2.94E-07	2.19E-05
4713	472863.09	3860877.25	5.11E-05	8.07E-10	3.20E-07	2.98E-07	5.17E-05	2.41E-05	3.33E-04	2.40E-05	1.09E-05	3.92E-04	2.29E-05	6.63E-10	3.20E-07	2.98E-07	2.35E-05
4714	473363.09	3860877.25	5.49E-05	8.44E-10	3.44E-07	3.06E-07	5.56E-05	2.59E-05	3.48E-04	2.58E-05	1.12E-05	4.11E-04	2.46E-05	6.93E-10	3.44E-07	3.06E-07	2.53E-05
4715	473863.09	3860877.25	5.89E-05	8.75E-10	3.76E-07	3.15E-07	5.96E-05	2.78E-05	3.61E-04	2.82E-05	1.16E-05	4.28E-04	2.64E-05	7.18E-10	3.76E-07	3.15E-07	2.71E-05
4716	474363.09	3860877.25	6.26E-05	8.96E-10	4.17E-07	3.28E-07	6.33E-05	2.95E-05	3.69E-04	3.13E-05	1.20E-05	4.42E-04	2.81E-05	7.35E-10	4.17E-07	3.28E-07	2.88E-05
4717	474863.09	3860877.25	6.55E-05	9.31E-10	4.82E-07	3.56E-07	6.64E-05	3.09E-05	3.83E-04	3.62E-05	1.30E-05	4.63E-04	2.94E-05	7.64E-10	4.82E-07	3.56E-07	3.02E-05
4718	475363.09	3860877.25	6.71E-05	8.85E-10	5.79E-07	3.82E-07	6.80E-05	3.16E-05	3.65E-04	4.34E-05	1.40E-05	4.54E-04	3.01E-05	7.27E-10	5.79E-07	3.82E-07	3.10E-05
4719	475863.09	3860877.25	6.62E-05	7.80E-10	6.91E-07	4.05E-07	6.73E-05	3.12E-05	3.21E-04	5.18E-05	1.48E-05	4.19E-04	2.97E-05	6.40E-10	6.91E-07	4.05E-07	3.08E-05
4720	476363.09	3860877.25	6.20E-05	6.49E-10	7.30E-07	4.15E-07	6.32E-05	2.92E-05	2.67E-04	5.47E-05	1.52E-05	3.67E-04	2.78E-05	5.33E-10	7.30E-07	4.15E-07	2.90E-05
4721	476863.09	3860877.25	6.09E-05	6.06E-10	7.13E-07	4.25E-07	6.20E-05	2.87E-05	2.49E-04	5.35E-05	1.56E-05	3.47E-04	2.73E-05	4.97E-10	7.13E-07	4.25E-07	2.84E-05
4722	477363.09	3860877.25	6.35E-05	6.21E-10	7.08E-07	4.37E-07	6.46E-05	2.99E-05	2.56E-04	5.31E-05	1.60E-05	3.55E-04	2.85E-05	5.09E-10	7.08E-07	4.37E-07	2.96E-05
4723	477863.09	3860877.25	5.66E-05	5.27E-10	6.47E-07	4.13E-07	5.77E-05	2.67E-05	2.17E-04	4.85E-05	1.52E-05	3.07E-04	2.54E-05	4.32E-10	6.47E-07	4.13E-07	2.64E-05
4724	478363.09	3860877.25	3.35E-05	3.47E-10	5.22E-07	3.50E-07	3.43E-05	1.58E-05	1.43E-04	3.92E-05	1.29E-05	2.11E-04	1.50E-05	2.85E-10	5.22E-07	3.50E-07	1.59E-05
4725	478863.09	3860877.25	7.27E-05	7.09E-10	7.36E-07	5.04E-07	7.40E-05	3.43E-05	2.92E-04	5.52E-05	1.85E-05	4.00E-04	3.26E-05	5.82E-10	7.36E-07	5.04E-07	3.39E-05
4726	479363.09	3860877.25	9.13E-05	1.18E-09	7.73E-07	5.47E-07	9.26E-05	4.31E-05	4.85E-04	5.80E-05	2.00E-05	6.06E-04	4.09E-05	9.66E-10	7.73E-07	5.47E-07	4.23E-05
4727	479863.09	3860877.25	9.97E-05	1.72E-09	7.02E-07	4.60E-07	1.01E-04	4.70E-05	7.07E-04	5.26E-05	1.69E-05	8.24E-04	4.47E-05	1.41E-09	7.02E-07	4.60E-07	4.59E-05
4728	480363.09	3860877.25	1.06E-04	2.19E-09	6.81E-07	4.42E-07	1.07E-04	5.01E-05	9.01E-04	5.11E-05	1.62E-05	1.02E-03	4.77E-05	1.79E-09	6.81E-07	4.42E-07	4.88E-05
4729	480863.09	3860877.25	1.13E-04	2.51E-09	6.78E-07	4.53E-07	1.15E-04	5.35E-05	1.03E-03	5.08E-05	1.66E-05	1.15E-03	5.09E-05	2.06E-09	6.78E-07	4.53E-07	5.20E-05
4730	481363.09	3860877.25	1.23E-04	2.85E-09	6.87E-07	4.72E-07	1.24E-04	5.80E-05	1.17E-03	5.15E-05	1.73E-05	1.30E-03	5.52E-05	2.34E-09	6.87E-07	4.72E-07	5.63E-05
4731	481863.09	3860877.25	1.34E-04	3.13E-09	7.21E-07	4.86E-07	1.35E-04	6.30E-05	1.29E-03	5.41E-05	1.78E-05	1.42E-03	6.00E-05	2.57E-09	7.21E-07	4.86E-07	6.12E-05
4732	482363.09	3860877.25	1.42E-04	3.52E-09	7.75E-07	5.09E-07	1.43E-04	6.70E-05	1.45E-03	5.81E-05	1.87E-05	1.59E-03	6.37E-05	2.89E-09	7.75E-07	5.09E-07	6.50E-05
4733	482863.09	3860877.25	1.50E-04	3.86E-09	8.20E-07	5.33E-07	1.51E-04	7.06E-05	1.59E-03	6.15E-05	1.95E-05	1.74E-03	6.71E-05	3.17E-09	8.20E-07	5.33E-07	6.85E-05
4734	483363.09	3860877.25	1.60E-04	4.24E-09	8.48E-07	5.78E-07	1.61E-04	7.53E-05	1.75E-03	6.36E-05	2.12E-05	1.91E-03	7.16E-05	3.48E-09	8.48E-07	5.78E-07	7.30E-05
4735	483863.09	3860877.25	1.65E-04	4.71E-09	8.76E-07	6.23E-07	1.67E-04	7.80E-05	1.94E-03	6.57E-05	2.28E-05	2.11E-03	7.41E-05	3.87E-09	8.76E-07	6.23E-07	7.56E-05
4736	484363.09	3860877.25	1.65E-04	5.45E-09	8.53E-07	6.61E-07	1.67E-04	7.79E-05	2.25E-03	6.40E-05	2.42E-05	2.41E-03	7.41E-05	4.47E-09	8.53E-07	6.61E-07	7.56E-05
4737	484863.09	3860877.25	1.59E-04	6.28E-09	7.60E-07	6.85E-07	1.61E-04	7.51E-05	2.59E-03	5.70E-05	2.51E-05	2.75E-03	7.14E-05	5.16E-09	7.60E-07	6.85E-07	7.29E-05
4738	485363.09	3860877.25	1.54E-04	7.25E-09	6.92E-07	7.19E-07	1.56E-04	7.27E-05	2.99E-03	5.19E-05	2.64E-05	3.14E-03	6.91E-05	5.95E-09	6.92E-07	7.19E-07	7.06E-05
4739	485863.09	3860877.25	1.54E-04	8.46E-09	5.99E-07	7.68E-07	1.55E-04	7.24E-05	3.48E-03	4.49E-05	2.82E-05	3.63E-03	6.89E-05	6.94E-09	5.99E-07	7.68E-07	7.03E-05
4740	486363.09	3860877.25	1.48E-04	9.81E-09	5.81E-07	8.67E-07	1.50E-04	6.99E-05	4.04E-03	4.36E-05	3.18E-05	4.19E-03	6.64E-05	8.05E-09	5.81E-07	8.67E-07	6.79E-05
4741	486863.09	3860877.25	1.47E-04	1.19E-08	4.82E-07	1.02E-06	1.48E-04	6.92E-05	4.89E-03	3.62E-05	3.74E-05	5.04E-03	6.58E-05	9.75E-09	4.82E-07	1.02E-06	6.73E-05
4742	487363.09	3860877.25	1.48E-04	1.54E-08	5.22E-07	1.23E-06	1.50E-04	6.97E-05	6.33E-03	3.92E-05	4.49E-05	6.49E-03	6.63E-05	1.26E-08	5.22E-07	1.23E-06	6.80E-05
4743	487863.09	3860877.25	1.49E-04	1.96E-08	6.65E-07	1.50E-06	1.51E-04	7.03E-05	8.06E-03	4.99E-05	5.50E-05	8.23E-03	6.69E-05	1.60E-08	6.65E-07	1.50E-06	6.90E-05
4744	488363.09	3860877.25	1.54E-04	2.46E-08	6.23E-07	1.84E-06	1.56E-04	7.26E-05	1.01E-02	4.67E-05	6.76E-05	1.03E-02	6.90E-05	2.02E-08	6.23E-07	1.84E-06	7.15E-05
4745	488863.09	3860877.25	1.57E-04	2.62E-08	4.70E-07	1.72E-06	1.59E-04	7.40E-05	1.08E-02	3.53E-05	6.31E-05	1.10E-02	7.04E-05	2.15E-08	4.70E-07	1.72E-06	7.26E-05
4746	489363.09	3860877.25	1.64E-04	2.60E-08	5.12E-07	1.84E-06	1.66E-04	7.72E-05	1.07E-02	3.84E-05	6.73E-05	1.09E-02	7.34E-05	2.13E-08	5.12E-07	1.84E-06	7.58E-05
4747	489863.09	3860877.25	1.63E-04	2.31E-08	7.06E-07	1.65E-06	1.65E-04	7.67E-05	9.51E-03	5.29E-05	6.06E-05	9.70E-03	7.29E-05	1.89E-08	7.06E-07	1.65E-06	7.53E-05
4748	490363.09	3860877.25	1.66E-04	2.03E-08	8.10E-07	1.53E-06	1.68E-04	7.82E-05	8.35E-03	6.07E-05	5.63E-05	8.54E-03	7.44E-05	1.66E-08	8.10E-07	1.53E-06	7.67E-05
4749	490863.09	3860877.25	1.73E-04	1.77E-08	8.27E-07	1.44E-06	1.76E-04	8.18E-05	7.29E-03	6.20E-05	5.28E-05	7.48E-03	7.78E-05	1.45E-08	8.27E-07	1.44E-06	8.01E-05
4750	491363.09	3860877.25	1.68E-04	1.57E-08	8.81E-07	1.37E-06	1.70E-04	7.92E-05	6.45E-03	6.61E-05	5.02E-05	6.65E-03	7.53E-05	1.29E-08	8.81E-07	1.37E-06	7.76E-05
4751	491863.09	3860877.25	1.58E-04	1.41E-08	8.56E-07	1.31E-06	1.60E-04	7.44E-05	5.79E-03	6.42E-05	4.82E-05	5.98E-03	7.08E-05	1.15E-08	8.56E-07	1.31E-06	7.30E-05
4752	492363.09	3860877.25	1.52E-04	1.24E-08	8.64E-07	1.24E-06	1.54E-04	7.15E-05	5.12E-03	6.48E-05	4.53E-05	5.30E-03	6.80E-05	1.02E-08	8.64E-07	1.24E-06	7.01E-05
4753	492863.09	3860877.25	1.54E-04	1.13E-08	9.27E-07	1.19E-06	1.56E-04	7.24E-05	4.67E-03	6.95E-05	4.38E-05	4.85E-03	6.89E-05	9.30E-09	9.27E-07	1.19E-06	7.10E-05
4754	493363.09	3860877.25	1.61E-04	1.05E-08	9.64E-07	1.19E-06	1.63E-04	7.59E-05	4.32E-03	7.23E-05	4.35E-05	4.51E-03	7.22E-05	8.60E-09	9.64E-07	1.19E-06	7.44E-05

4755	493863.09	3860877.25	1.68E-04	9.61E-09	9.67E-07	1.15E-06	1.70E-04	7.94E-05	3.96E-03	7.25E-05	4.22E-05	4.15E-03	7.55E-05	7.88E-09	9.67E-07	1.15E-06	7.76E-05
4756	494363.09	3860877.25	1.75E-04	8.87E-09	1.01E-06	1.13E-06	1.77E-04	8.24E-05	3.65E-03	7.58E-05	4.13E-05	3.85E-03	7.83E-05	7.28E-09	1.01E-06	1.13E-06	8.05E-05
4757	494863.09	3860877.25	1.77E-04	8.23E-09	1.09E-06	1.12E-06	1.80E-04	8.37E-05	3.39E-03	8.15E-05	4.10E-05	3.60E-03	7.96E-05	6.75E-09	1.09E-06	1.12E-06	8.18E-05
4758	495363.09	3860877.25	1.76E-04	7.65E-09	1.15E-06	1.08E-06	1.78E-04	8.29E-05	3.15E-03	8.66E-05	3.98E-05	3.36E-03	7.88E-05	6.28E-09	1.15E-06	1.08E-06	8.10E-05
4759	495863.09	3860877.25	1.71E-04	7.14E-09	1.18E-06	1.06E-06	1.73E-04	8.05E-05	2.94E-03	8.87E-05	3.88E-05	3.15E-03	7.66E-05	5.86E-09	1.18E-06	1.06E-06	7.88E-05
4760	496363.09	3860877.25	1.68E-04	6.62E-09	1.22E-06	1.01E-06	1.70E-04	7.92E-05	2.73E-03	9.17E-05	3.71E-05	2.93E-03	7.53E-05	5.43E-09	1.22E-06	1.01E-06	7.75E-05
4761	496863.09	3860877.25	1.63E-04	5.79E-09	1.22E-06	1.00E-06	1.66E-04	7.71E-05	2.38E-03	9.16E-05	3.68E-05	2.59E-03	7.33E-05	4.75E-09	1.22E-06	1.00E-06	7.56E-05
4762	497363.09	3860877.25	1.59E-04	5.45E-09	1.26E-06	9.78E-07	1.62E-04	7.51E-05	2.25E-03	9.43E-05	3.59E-05	2.45E-03	7.15E-05	4.47E-09	1.26E-06	9.78E-07	7.37E-05
4763	497863.09	3860877.25	1.55E-04	5.02E-09	1.32E-06	9.64E-07	1.57E-04	7.32E-05	2.07E-03	9.92E-05	3.54E-05	2.28E-03	6.96E-05	4.12E-09	1.32E-06	9.64E-07	7.19E-05
4764	498363.09	3860877.25	1.53E-04	5.03E-09	1.29E-06	9.22E-07	1.55E-04	7.21E-05	2.07E-03	9.66E-05	3.38E-05	2.27E-03	6.86E-05	4.13E-09	1.29E-06	9.22E-07	7.08E-05
4765	471363.09	3861377.25	4.27E-05	6.96E-10	3.20E-07	2.70E-07	4.33E-05	2.01E-05	2.87E-04	2.40E-05	9.88E-06	3.41E-04	1.91E-05	5.71E-10	3.20E-07	2.70E-07	1.97E-05
4766	471863.09	3861377.25	4.54E-05	7.30E-10	3.39E-07	2.74E-07	4.61E-05	2.14E-05	3.01E-04	2.55E-05	1.00E-05	3.58E-04	2.04E-05	5.99E-10	3.39E-07	2.74E-07	2.10E-05
4767	472363.09	3861377.25	4.86E-05	7.65E-10	3.61E-07	2.80E-07	4.92E-05	2.29E-05	3.15E-04	2.71E-05	1.03E-05	3.75E-04	2.18E-05	6.27E-10	3.61E-07	2.80E-07	2.24E-05
4768	472863.09	3861377.25	5.18E-05	8.10E-10	3.80E-07	2.84E-07	5.25E-05	2.44E-05	3.34E-04	2.85E-05	1.04E-05	3.97E-04	2.32E-05	6.65E-10	3.80E-07	2.84E-07	2.39E-05
4769	473363.09	3861377.25	5.48E-05	8.49E-10	4.06E-07	2.92E-07	5.55E-05	2.58E-05	3.50E-04	3.04E-05	1.07E-05	4.17E-04	2.46E-05	6.97E-10	4.06E-07	2.92E-07	2.53E-05
4770	473863.09	3861377.25	5.74E-05	8.78E-10	4.35E-07	3.04E-07	5.81E-05	2.71E-05	3.62E-04	3.27E-05	1.11E-05	4.32E-04	2.57E-05	7.20E-10	4.35E-07	3.04E-07	2.65E-05
4771	474363.09	3861377.25	5.95E-05	9.38E-10	4.55E-07	3.12E-07	6.02E-05	2.80E-05	3.87E-04	3.41E-05	1.14E-05	4.60E-04	2.67E-05	7.70E-10	4.55E-07	3.12E-07	2.74E-05
4772	474863.09	3861377.25	6.11E-05	9.57E-10	4.85E-07	3.26E-07	6.19E-05	2.88E-05	3.94E-04	3.64E-05	1.20E-05	4.72E-04	2.74E-05	7.86E-10	4.85E-07	3.26E-07	2.82E-05
4773	475363.09	3861377.25	6.31E-05	1.02E-09	4.98E-07	3.35E-07	6.39E-05	2.98E-05	4.21E-04	3.74E-05	1.23E-05	5.00E-04	2.83E-05	8.38E-10	4.98E-07	3.35E-07	2.91E-05
4774	475863.09	3861377.25	6.51E-05	1.01E-09	5.32E-07	3.69E-07	6.60E-05	3.07E-05	4.18E-04	3.99E-05	1.35E-05	5.02E-04	2.92E-05	8.33E-10	5.32E-07	3.69E-07	3.01E-05
4775	476363.09	3861377.25	6.70E-05	9.62E-10	5.61E-07	4.02E-07	6.80E-05	3.16E-05	3.96E-04	4.21E-05	1.47E-05	4.85E-04	3.01E-05	7.89E-10	5.61E-07	4.02E-07	3.10E-05
4776	476863.09	3861377.25	6.90E-05	9.27E-10	5.83E-07	4.29E-07	7.00E-05	3.25E-05	3.82E-04	4.38E-05	1.57E-05	4.74E-04	3.09E-05	7.61E-10	5.83E-07	4.29E-07	3.20E-05
4777	477363.09	3861377.25	7.10E-05	9.13E-10	6.17E-07	4.51E-07	7.21E-05	3.35E-05	3.76E-04	4.62E-05	1.65E-05	4.72E-04	3.19E-05	7.49E-10	6.17E-07	4.51E-07	3.29E-05
4778	477863.09	3861377.25	6.52E-05	6.84E-10	6.94E-07	4.54E-07	6.63E-05	3.08E-05	2.82E-04	5.20E-05	1.66E-05	3.81E-04	2.92E-05	5.62E-10	6.94E-07	4.54E-07	3.04E-05
4779	478363.09	3861377.25	4.12E-05	3.98E-10	5.93E-07	3.52E-07	4.21E-05	1.94E-05	1.64E-04	4.45E-05	1.29E-05	2.41E-04	1.85E-05	3.26E-10	5.93E-07	3.52E-07	1.94E-05
4780	478863.09	3861377.25	5.03E-05	4.87E-10	7.14E-07	3.98E-07	5.14E-05	2.37E-05	2.01E-04	5.35E-05	1.46E-05	2.92E-04	2.26E-05	4.00E-10	7.14E-07	3.98E-07	2.37E-05
4781	479363.09	3861377.25	7.94E-05	1.08E-09	8.96E-07	5.18E-07	8.08E-05	3.75E-05	4.46E-04	6.72E-05	1.90E-05	5.70E-04	3.56E-05	8.88E-10	8.96E-07	5.18E-07	3.70E-05
4782	479863.09	3861377.25	8.99E-05	1.66E-09	6.50E-07	4.30E-07	9.09E-05	4.24E-05	6.84E-04	4.87E-05	1.58E-05	7.91E-04	4.03E-05	1.36E-09	6.50E-07	4.30E-07	4.14E-05
4783	480363.09	3861377.25	9.67E-05	2.16E-09	6.07E-07	4.15E-07	9.77E-05	4.56E-05	8.91E-04	4.55E-05	1.52E-05	9.97E-04	4.34E-05	1.77E-09	6.07E-07	4.15E-07	4.44E-05
4784	480863.09	3861377.25	1.04E-04	2.45E-09	6.35E-07	4.32E-07	1.05E-04	4.89E-05	1.01E-03	4.76E-05	1.59E-05	1.12E-03	4.65E-05	2.01E-09	6.35E-07	4.32E-07	4.76E-05
4785	481363.09	3861377.25	1.11E-04	2.73E-09	6.81E-07	4.44E-07	1.13E-04	5.26E-05	1.12E-03	5.11E-05	1.63E-05	1.24E-03	5.00E-05	2.24E-09	6.81E-07	4.44E-07	5.11E-05
4786	481863.09	3861377.25	1.19E-04	2.95E-09	7.19E-07	4.62E-07	1.21E-04	5.63E-05	1.22E-03	5.39E-05	1.70E-05	1.34E-03	5.36E-05	2.42E-09	7.19E-07	4.62E-07	5.47E-05
4787	482363.09	3861377.25	1.25E-04	3.20E-09	7.41E-07	4.80E-07	1.27E-04	5.92E-05	1.32E-03	5.56E-05	1.76E-05	1.45E-03	5.62E-05	2.63E-09	7.41E-07	4.80E-07	5.75E-05
4788	482863.09	3861377.25	1.32E-04	3.47E-09	7.60E-07	5.04E-07	1.33E-04	6.22E-05	1.43E-03	5.70E-05	1.85E-05	1.57E-03	5.91E-05	2.85E-09	7.60E-07	5.04E-07	6.04E-05
4789	483363.09	3861377.25	1.38E-04	3.77E-09	7.82E-07	5.38E-07	1.40E-04	6.52E-05	1.55E-03	5.86E-05	1.97E-05	1.70E-03	6.20E-05	3.09E-09	7.82E-07	5.38E-07	6.33E-05
4790	483863.09	3861377.25	1.41E-04	4.15E-09	7.72E-07	5.67E-07	1.42E-04	6.64E-05	1.71E-03	5.79E-05	2.08E-05	1.85E-03	6.32E-05	3.40E-09	7.72E-07	5.67E-07	6.45E-05
4791	484363.09	3861377.25	1.43E-04	4.59E-09	7.14E-07	5.84E-07	1.44E-04	6.75E-05	1.89E-03	5.36E-05	2.14E-05	2.03E-03	6.42E-05	3.76E-09	7.14E-07	5.84E-07	6.55E-05
4792	484863.09	3861377.25	1.37E-04	5.29E-09	6.28E-07	6.03E-07	1.39E-04	6.48E-05	2.18E-03	4.71E-05	2.21E-05	2.31E-03	6.16E-05	4.34E-09	6.28E-07	6.03E-07	6.28E-05
4793	485363.09	3861377.25	1.31E-04	5.91E-09	5.43E-07	6.09E-07	1.32E-04	6.17E-05	2.43E-03	4.07E-05	2.23E-05	2.56E-03	5.87E-05	4.85E-09	5.43E-07	6.09E-07	5.98E-05
4794	485863.09	3861377.25	1.28E-04	6.62E-09	5.22E-07	6.50E-07	1.29E-04	6.03E-05	2.73E-03	3.92E-05	2.38E-05	2.85E-03	5.73E-05	5.43E-09	5.22E-07	6.50E-07	5.85E-05
4795	486363.09	3861377.25	1.25E-04	7.35E-09	5.15E-07	6.83E-07	1.26E-04	5.88E-05	3.03E-03	3.87E-05	2.50E-05	3.15E-03	5.59E-05	6.03E-09	5.15E-07	6.83E-07	5.71E-05
4796	486863.09	3861377.25	1.24E-04	8.31E-09	4.24E-07	7.34E-07	1.26E-04	5.87E-05	3.42E-03	3.18E-05	2.69E-05	3.54E-03	5.58E-05	6.82E-09	4.24E-07	7.34E-07	5.70E-05
4797	487363.09	3861377.25	1.26E-04	9.43E-09	4.89E-07	7.51E-07	1.27E-04	5.92E-05	3.89E-03	3.67E-05	2.75E-05	4.01E-03	5.63E-05	7.74E-09	4.89E-07	7.51E-07	5.75E-05
4798	487863.09	3861377.25	1.27E-04	1.01E-08	6.21E-07	7.97E-07	1.28E-04	5.99E-05	4.18E-03	4.66E-05	2.92E-05	4.32E-03	5.69E-05	8.33E-09	6.21E-07	7.97E-07	5.83E-05
4799	488363.09	3861377.25	1.25E-04	1.04E-08	5.63E-07	8.62E-07	1.26E-04	5.89E-05	4.27E-03	4.22E-05	3.16E-05	4.40E-03	5.60E-05	8.51E-09	5.63E-07	8.62E-07	5.74E-05
4800	488863.09	3861377.25	1.29E-04	1.08E-08	4.26E-07	8.60E-07	1.30E-04	6.07E-05	4.45E-03	3.20E-05	3.15E-05	4.58E-03	5.77E-05	8.87E-09	4.26E-07	8.60E-07	5.90E-05
4801	489363.09	3861377.25	1.33E-04	1.11E-08	4.00E-07	8.52E-07	1.34E-04	6.25E-05	4.57E-03	3.00E-05	3.12E-05	4.69E-03	5.94E-05	9.10E-09	4.00E-07	8.52E-07	6.07E-05
4802	489863.09	3861377.25	1.35E-04	1.12E-08	5.09E-07	8.62E-07	1.37E-04	6.38E-05	4.62E-03	3.81E-05	3.16E-05	4.75E-03	6.06E-05	9.21E-09	5.09E-07	8.62E-07	6.20E-05
4803	490363.09	3861377.25	1.36E-04	1.09E-08	6.76E-07	8.46E-07	1.38E-04	6.43E-05	4.51E-03	5.07E-05	3.10E-05	4.65E-03	6.12E-05	8.98E-09	6.76E-07	8.46E-07	6.27E-05
4804	490863.09	3861377.25	1.38E-04	1.07E-08	7.10E-07	8.42E-07	1.40E-04	6.52E-05	4.39E-03	5.33E-05	3.09E-05	4.54E-03	6.20E-05	8.75E-09	7.10E-07	8.42E-07	6.35E-05
4805	491363.09	3861377.25	1.45E-04	1.02E-08	7.16E-07	8.34E-07	1.46E-04	6.83E-05	4.20E-03	5.37E-05	3.06E-05	4.35E-03	6.50E-05	8.36E-09	7.16E-07	8.34E-07	6.65E-05
4806	491863.09	3861377.25	1.42E-04	9.70E-09	7.60E-07	8.36E-07	1.44E-04	6.70E-05	4.00E-03	5.70E-05	3.07E-05	4.15E-03	6.38E-05	7.96E-09	7.60E-07	8.36E-07	6.54E-05
4807	492363.09	3861377.25	1.33E-04	9.25E-09	7.31E-07	8.40E-07	1.35E-04	6.29E-05	3.81E-03	5.49E-05	3.08E-05	3.96E-03	5.98E-05	7.59E-09	7.31E-07	8.40E-07	6.14E-05
4808	492863.09	3861377.25	1.28E-04	8.74E-09	7.16E-07	8.34E-07	1.30E-04	6.06E-05	3.60E-03	5.37E-05	3.06E-05	3.74E-03	5.76E-05	7.17E-09	7.16E-07	8.34E-07	5.92E-05
4809	493363.09	3861377.25	1.28E-04	8.21E-09	7.61E-07	8.28E-07	1.30E-04	6.05E-05	3.38E-03	5.71E-05	3.03E-05	3.53E-03	5.75E-05	6.74E-09	7.61E-07	8.28E-07	5.91E-05
4810	493863.09	3861377.25	1.30E-04	7.69E-09	7.97E-07	8.17E-07	1.31E-04	6.11E-05	3.17E-03	5.98E-05	3.00E-05	3.32E-03	5.81E-05	6.31E-09	7.97E-07	8.17E-07	5.97E-05
4811	494363.09	3861377.25	1.34E-04	7.23E-09	7.91E-07	8.09E-07	1.35E-04	6.31E-05	2.98E-03	5.93E-05	2.97E-05	3.13E-03	6.00E-05	5.93E-09	7.91E-07	8.09E-07	6.16E-05
4812	494863.09	3861377.25	1.40E-04	6.82E-09	7.84E-07	8.06E-07	1.42E-04	6.60E-05	2.81E-03	5.88E-05	2.96E-05	2.96E-03	6.28E-05	5.60E-09	7.84E-07	8.06E-07	6.44E-05
4813	495363.09	3861377.25	1.45E-04	6.44E-09	8.07E-07	8.02E-07	1.46E-04	6.82E-05	2.65E-03	6.05E-05	2.94E-05	2.81E-03	6.48E-05	5.28E-09	8.07E-07	8.02E-07	6.64E-05
4814	495863.09	3861377.25	1.45E-04	6.07E-09	8.48E-07	7.95E-07	1.46E-04	6.83E-05	2.50E-03	6.36E-05	2.91E-05	2.66E-03	6.50E-05	4.98E-09	8.48E-07	7.95E-07	6.66E-05
4815	496363.09	3861377.25	1.45E-04	5.80E-09	9.05E-07	8.06E-07	1.47E-04	6.83E-05	2.39E-03	6.79E-05	2.96E-05	2.55E-03	6.49E-05	4.76E-09	9.05E-07	8.06E-07	6.67E-05

4816	496863.09	3861377.25	1.45E-04	5.52E-09	9.82E-07	8.24E-07	1.46E-04	6.82E-05	2.28E-03	7.37E-05	3.02E-05	2.45E-03	6.49E-05	4.53E-09	9.82E-07	8.24E-07	6.67E-05
4817	497363.09	3861377.25	1.41E-04	5.23E-09	1.02E-06	8.07E-07	1.43E-04	6.66E-05	2.15E-03	7.64E-05	2.96E-05	2.33E-03	6.34E-05	4.29E-09	1.02E-06	8.07E-07	6.52E-05
4818	497863.09	3861377.25	1.38E-04	4.96E-09	1.04E-06	7.93E-07	1.40E-04	6.51E-05	2.04E-03	7.83E-05	2.91E-05	2.22E-03	6.19E-05	4.07E-09	1.04E-06	7.93E-07	6.37E-05
4819	498363.09	3861377.25	1.35E-04	4.70E-09	1.04E-06	7.78E-07	1.37E-04	6.38E-05	1.94E-03	7.80E-05	2.85E-05	2.11E-03	6.07E-05	3.86E-09	1.04E-06	7.78E-07	6.25E-05
4820	471363.09	3861877.25	4.33E-05	6.97E-10	3.66E-07	2.53E-07	4.39E-05	2.04E-05	2.87E-04	2.74E-05	9.28E-06	3.44E-04	1.94E-05	5.72E-10	3.66E-07	2.53E-07	2.00E-05
4821	471863.09	3861877.25	4.59E-05	7.29E-10	3.85E-07	2.59E-07	4.66E-05	2.17E-05	3.00E-04	2.89E-05	9.50E-06	3.60E-04	2.06E-05	5.98E-10	3.85E-07	2.59E-07	2.12E-05
4822	472363.09	3861877.25	4.84E-05	7.65E-10	4.03E-07	2.65E-07	4.90E-05	2.28E-05	3.15E-04	3.02E-05	9.72E-06	3.78E-04	2.17E-05	6.27E-10	4.03E-07	2.65E-07	2.24E-05
4823	472863.09	3861877.25	5.05E-05	8.08E-10	4.19E-07	2.72E-07	5.12E-05	2.38E-05	3.33E-04	3.14E-05	9.98E-06	3.98E-04	2.27E-05	6.63E-10	4.19E-07	2.72E-07	2.33E-05
4824	473363.09	3861877.25	5.22E-05	8.53E-10	4.35E-07	2.81E-07	5.29E-05	2.46E-05	3.51E-04	3.26E-05	1.03E-05	4.19E-04	2.34E-05	7.00E-10	4.35E-07	2.81E-07	2.41E-05
4825	473863.09	3861877.25	5.37E-05	8.91E-10	4.47E-07	2.90E-07	5.44E-05	2.53E-05	3.67E-04	3.36E-05	1.06E-05	4.36E-04	2.41E-05	7.31E-10	4.47E-07	2.90E-07	2.48E-05
4826	474363.09	3861877.25	5.52E-05	9.37E-10	4.57E-07	3.00E-07	5.59E-05	2.60E-05	3.86E-04	3.43E-05	1.10E-05	4.57E-04	2.48E-05	7.69E-10	4.57E-07	3.00E-07	2.55E-05
4827	474863.09	3861877.25	5.69E-05	9.74E-10	4.65E-07	3.11E-07	5.77E-05	2.69E-05	4.01E-04	3.49E-05	1.14E-05	4.74E-04	2.55E-05	7.99E-10	4.65E-07	3.11E-07	2.63E-05
4828	475363.09	3861877.25	5.91E-05	1.02E-09	4.74E-07	3.19E-07	5.99E-05	2.79E-05	4.20E-04	3.55E-05	1.17E-05	4.95E-04	2.65E-05	8.36E-10	4.74E-07	3.19E-07	2.73E-05
4829	475863.09	3861877.25	6.14E-05	1.08E-09	4.84E-07	3.26E-07	6.22E-05	2.90E-05	4.45E-04	3.63E-05	1.20E-05	5.22E-04	2.75E-05	8.86E-10	4.84E-07	3.26E-07	2.84E-05
4830	476363.09	3861877.25	6.37E-05	1.12E-09	5.00E-07	3.39E-07	6.45E-05	3.00E-05	4.60E-04	3.75E-05	1.24E-05	5.40E-04	2.86E-05	9.16E-10	5.00E-07	3.39E-07	2.94E-05
4831	476863.09	3861877.25	6.58E-05	1.11E-09	5.32E-07	3.60E-07	6.66E-05	3.10E-05	4.56E-04	3.99E-05	1.32E-05	5.40E-04	2.95E-05	9.09E-10	5.32E-07	3.60E-07	3.04E-05
4832	477363.09	3861877.25	6.66E-05	1.07E-09	5.86E-07	3.82E-07	6.75E-05	3.14E-05	4.41E-04	4.39E-05	1.40E-05	5.30E-04	2.99E-05	8.78E-10	5.86E-07	3.82E-07	3.08E-05
4833	477863.09	3861877.25	5.97E-05	7.09E-10	8.33E-07	4.62E-07	6.10E-05	2.82E-05	2.92E-04	6.24E-05	1.69E-05	4.00E-04	2.68E-05	5.82E-10	8.33E-07	4.62E-07	2.81E-05
4834	478363.09	3861877.25	3.22E-05	3.28E-10	4.98E-07	3.19E-07	3.30E-05	1.52E-05	1.35E-04	3.74E-05	1.17E-05	1.99E-04	1.44E-05	2.69E-10	4.98E-07	3.19E-07	1.53E-05
4835	478863.09	3861877.25	5.31E-05	5.54E-10	6.26E-07	3.81E-07	5.41E-05	2.50E-05	2.28E-04	4.69E-05	1.40E-05	3.14E-04	2.38E-05	4.55E-10	6.26E-07	3.81E-07	2.48E-05
4836	479363.09	3861877.25	5.10E-05	5.01E-10	5.85E-07	3.75E-07	5.19E-05	2.40E-05	2.06E-04	4.39E-05	1.37E-05	2.88E-04	2.29E-05	4.11E-10	5.85E-07	3.75E-07	2.38E-05
4837	479863.09	3861877.25	8.33E-05	1.56E-09	6.02E-07	4.34E-07	8.43E-05	3.93E-05	6.44E-04	4.52E-05	1.59E-05	7.45E-04	3.74E-05	1.28E-09	6.02E-07	4.34E-07	3.84E-05
4838	480363.09	3861877.25	8.90E-05	2.08E-09	6.05E-07	4.03E-07	9.00E-05	4.20E-05	8.57E-04	4.54E-05	1.48E-05	9.59E-04	3.99E-05	1.71E-09	6.05E-07	4.03E-07	4.09E-05
4839	480863.09	3861877.25	9.48E-05	2.30E-09	6.39E-07	4.18E-07	9.59E-05	4.47E-05	9.48E-04	4.79E-05	1.53E-05	1.06E-03	4.25E-05	1.89E-09	6.39E-07	4.18E-07	4.36E-05
4840	481363.09	3861877.25	1.01E-04	2.50E-09	6.60E-07	4.28E-07	1.02E-04	4.77E-05	1.03E-03	4.95E-05	1.57E-05	1.14E-03	4.54E-05	2.05E-09	6.60E-07	4.28E-07	4.65E-05
4841	481863.09	3861877.25	1.07E-04	2.67E-09	6.72E-07	4.42E-07	1.08E-04	5.06E-05	1.10E-03	5.04E-05	1.62E-05	1.22E-03	4.81E-05	2.19E-09	6.72E-07	4.42E-07	4.92E-05
4842	482363.09	3861877.25	1.12E-04	2.88E-09	6.89E-07	4.51E-07	1.13E-04	5.27E-05	1.19E-03	5.17E-05	1.65E-05	1.31E-03	5.01E-05	2.36E-09	6.89E-07	4.51E-07	5.13E-05
4843	482863.09	3861877.25	1.17E-04	3.11E-09	7.02E-07	4.70E-07	1.18E-04	5.50E-05	1.28E-03	5.27E-05	1.72E-05	1.41E-03	5.23E-05	2.55E-09	7.02E-07	4.70E-07	5.35E-05
4844	483363.09	3861877.25	1.21E-04	3.37E-09	6.91E-07	4.92E-07	1.22E-04	5.68E-05	1.39E-03	5.19E-05	1.80E-05	1.52E-03	5.41E-05	2.77E-09	6.91E-07	4.92E-07	5.52E-05
4845	483863.09	3861877.25	1.22E-04	3.65E-09	6.29E-07	5.11E-07	1.23E-04	5.77E-05	1.50E-03	4.72E-05	1.88E-05	1.63E-03	5.49E-05	3.00E-09	6.29E-07	5.11E-07	5.60E-05
4846	484363.09	3861877.25	1.21E-04	4.00E-09	5.72E-07	5.31E-07	1.22E-04	5.71E-05	1.65E-03	4.29E-05	1.95E-05	1.77E-03	5.43E-05	3.29E-09	5.72E-07	5.31E-07	5.54E-05
4847	484863.09	3861877.25	1.19E-04	4.41E-09	5.19E-07	5.38E-07	1.20E-04	5.62E-05	1.82E-03	3.89E-05	1.97E-05	1.93E-03	5.35E-05	3.62E-09	5.19E-07	5.38E-07	5.45E-05
4848	485363.09	3861877.25	1.15E-04	4.80E-09	4.72E-07	5.36E-07	1.16E-04	5.44E-05	1.98E-03	3.54E-05	1.97E-05	2.09E-03	5.17E-05	3.94E-09	4.72E-07	5.36E-07	5.27E-05
4849	485863.09	3861877.25	1.09E-04	5.13E-09	5.25E-07	5.24E-07	1.10E-04	5.13E-05	2.11E-03	3.94E-05	1.92E-05	2.22E-03	4.88E-05	4.21E-09	5.25E-07	5.24E-07	4.99E-05
4850	486363.09	3861877.25	1.07E-04	5.57E-09	4.17E-07	5.34E-07	1.08E-04	5.03E-05	2.29E-03	3.13E-05	1.96E-05	2.39E-03	4.78E-05	4.57E-09	4.17E-07	5.34E-07	4.88E-05
4851	486863.09	3861877.25	1.07E-04	6.05E-09	3.98E-07	5.39E-07	1.08E-04	5.03E-05	2.49E-03	2.99E-05	1.98E-05	2.59E-03	4.78E-05	4.97E-09	3.98E-07	5.39E-07	4.88E-05
4852	487363.09	3861877.25	1.08E-04	6.52E-09	4.68E-07	5.32E-07	1.09E-04	5.12E-05	2.69E-03	3.51E-05	1.95E-05	2.79E-03	4.86E-05	5.35E-09	4.68E-07	5.32E-07	4.97E-05
4853	487863.09	3861877.25	1.10E-04	6.69E-09	5.81E-07	5.66E-07	1.11E-04	5.18E-05	2.75E-03	4.36E-05	2.07E-05	2.87E-03	4.93E-05	5.49E-09	5.81E-07	5.66E-07	5.04E-05
4854	488363.09	3861877.25	1.07E-04	6.59E-09	5.29E-07	5.98E-07	1.09E-04	5.07E-05	2.71E-03	3.97E-05	2.19E-05	2.83E-03	4.82E-05	5.41E-09	5.29E-07	5.98E-07	4.93E-05
4855	488863.09	3861877.25	1.08E-04	6.65E-09	3.92E-07	6.06E-07	1.09E-04	5.09E-05	2.74E-03	2.94E-05	2.22E-05	2.84E-03	4.84E-05	5.46E-09	3.92E-07	6.06E-07	4.94E-05
4856	489363.09	3861877.25	1.11E-04	6.83E-09	3.50E-07	5.78E-07	1.12E-04	5.26E-05	2.81E-03	2.63E-05	2.12E-05	2.91E-03	5.00E-05	5.60E-09	3.50E-07	5.78E-07	5.09E-05
4857	489863.09	3861877.25	1.13E-04	6.99E-09	3.85E-07	6.13E-07	1.14E-04	5.35E-05	2.88E-03	2.89E-05	2.25E-05	2.99E-03	5.09E-05	5.74E-09	3.85E-07	6.13E-07	5.19E-05
4858	490363.09	3861877.25	1.15E-04	6.96E-09	5.15E-07	5.99E-07	1.16E-04	5.41E-05	2.87E-03	3.86E-05	2.20E-05	2.98E-03	5.14E-05	5.71E-09	5.15E-07	5.99E-07	5.26E-05
4859	490863.09	3861877.25	1.15E-04	6.83E-09	6.21E-07	5.92E-07	1.17E-04	5.44E-05	2.81E-03	4.66E-05	2.17E-05	2.94E-03	5.17E-05	5.60E-09	6.21E-07	5.92E-07	5.30E-05
4860	491363.09	3861877.25	1.17E-04	6.80E-09	6.30E-07	5.87E-07	1.19E-04	5.54E-05	2.80E-03	4.73E-05	2.15E-05	2.93E-03	5.27E-05	5.58E-09	6.30E-07	5.87E-07	5.39E-05
4861	491863.09	3861877.25	1.24E-04	6.78E-09	6.34E-07	5.91E-07	1.25E-04	5.84E-05	2.79E-03	4.76E-05	2.17E-05	2.92E-03	5.56E-05	5.56E-09	6.34E-07	5.91E-07	5.68E-05
4862	492363.09	3861877.25	1.22E-04	6.59E-09	6.68E-07	5.94E-07	1.23E-04	5.75E-05	2.71E-03	5.01E-05	2.18E-05	2.84E-03	5.47E-05	5.41E-09	6.68E-07	5.94E-07	5.60E-05
4863	492863.09	3861877.25	1.15E-04	6.45E-09	6.46E-07	6.04E-07	1.16E-04	5.42E-05	2.66E-03	4.85E-05	2.22E-05	2.78E-03	5.15E-05	5.29E-09	6.46E-07	6.04E-07	5.27E-05
4864	493363.09	3861877.25	1.10E-04	6.29E-09	6.14E-07	6.12E-07	1.11E-04	5.18E-05	2.59E-03	4.61E-05	2.24E-05	2.71E-03	4.93E-05	5.16E-09	6.14E-07	6.12E-07	5.05E-05
4865	493863.09	3861877.25	1.09E-04	6.06E-09	6.34E-07	6.16E-07	1.10E-04	5.14E-05	2.50E-03	4.76E-05	2.26E-05	2.62E-03	4.88E-05	4.98E-09	6.34E-07	6.16E-07	5.01E-05
4866	494363.09	3861877.25	1.09E-04	5.81E-09	6.78E-07	6.15E-07	1.10E-04	5.15E-05	2.39E-03	5.08E-05	2.25E-05	2.52E-03	4.90E-05	4.77E-09	6.78E-07	6.15E-07	5.03E-05
4867	494863.09	3861877.25	1.11E-04	5.58E-09	6.96E-07	6.16E-07	1.13E-04	5.25E-05	2.30E-03	5.22E-05	2.26E-05	2.43E-03	4.99E-05	4.58E-09	6.96E-07	6.16E-07	5.12E-05
4868	495363.09	3861877.25	1.15E-04	5.34E-09	6.78E-07	6.16E-07	1.16E-04	5.43E-05	2.20E-03	5.08E-05	2.26E-05	2.33E-03	5.16E-05	4.38E-09	6.78E-07	6.16E-07	5.29E-05
4869	495863.09	3861877.25	1.20E-04	5.10E-09	6.63E-07	6.16E-07	1.21E-04	5.65E-05	2.10E-03	4.97E-05	2.26E-05	2.23E-03	5.37E-05	4.19E-09	6.63E-07	6.16E-07	5.50E-05
4870	496363.09	3861877.25	1.23E-04	4.90E-09	6.76E-07	6.19E-07	1.25E-04	5.82E-05	2.02E-03	5.07E-05	2.27E-05	2.15E-03	5.53E-05	4.02E-09	6.76E-07	6.19E-07	5.66E-05
4871	496863.09	3861877.25	1.32E-04	4.74E-09	7.94E-07	6.50E-07	1.33E-04	6.21E-05	1.95E-03	5.96E-05	2.38E-05	2.10E-03	5.90E-05	3.89E-09	7.94E-07	6.50E-07	6.05E-05
4872	497363.09	3861877.25	1.25E-04	4.57E-09	7.70E-07	6.45E-07	1.27E-04	5.90E-05	1.88E-03	5.77E-05	2.36E-05	2.02E-03	5.61E-05	3.75E-09	7.70E-07	6.45E-07	5.76E-05
4873	497863.09	3861877.25	1.21E-04	4.36E-09	7.86E-07	6.36E-07	1.22E-04	5.70E-05	1.80E-03	5.89E-05	2.33E-05	1.94E-03	5.42E-05	3.58E-09	7.86E-07	6.36E-07	5.56E-05
4874	498363.09	3861877.25	1.18E-04	4.18E-09	8.01E-07	6.35E-07	1.19E-04	5.55E-05	1.72E-03	6.01E-05	2.33E-05	1.86E-03	5.27E-05	3.43E-09	8.01E-07	6.35E-07	5.42E-05
4875	471363.09	3862377.25	4.31E-05	6.91E-10	3.90E-07	2.44E-07	4.37E-05	2.03E-05	2.85E-04	2.93E-05	8.94E-06	3.43E-04	1.93E-05	5.67E-10	3.90E-07	2.44E-07	1.99E-05
4876	471863.09	3862377.25	4.48E-05	7.22E-10	4.01E-07	2.51E-07	4.55E-05	2.11E-05	2.97E-04	3.00E-05	9.22E-06	3.58E-04	2.01E-05	5.92E-10	4.01E-07	2.51E-07	2.07E-05

4877	472363.09	3862377.25	4.62E-05	7.62E-10	4.08E-07	2.58E-07	4.69E-05	2.18E-05	3.14E-04	3.06E-05	9.47E-06	3.76E-04	2.07E-05	6.26E-10	4.08E-07	2.58E-07	2.14E-05
4878	472863.09	3862377.25	4.75E-05	8.03E-10	4.15E-07	2.66E-07	4.82E-05	2.24E-05	3.31E-04	3.11E-05	9.76E-06	3.94E-04	2.13E-05	6.59E-10	4.15E-07	2.66E-07	2.20E-05
4879	473363.09	3862377.25	4.86E-05	8.43E-10	4.21E-07	2.75E-07	4.93E-05	2.29E-05	3.47E-04	3.16E-05	1.01E-05	4.12E-04	2.18E-05	6.91E-10	4.21E-07	2.75E-07	2.25E-05
4880	473863.09	3862377.25	5.00E-05	8.80E-10	4.28E-07	2.84E-07	5.07E-05	2.36E-05	3.63E-04	3.21E-05	1.04E-05	4.29E-04	2.24E-05	7.22E-10	4.28E-07	2.84E-07	2.31E-05
4881	474363.09	3862377.25	5.16E-05	9.11E-10	4.36E-07	2.94E-07	5.23E-05	2.43E-05	3.75E-04	3.27E-05	1.08E-05	4.43E-04	2.31E-05	7.47E-10	4.36E-07	2.94E-07	2.39E-05
4882	474863.09	3862377.25	5.34E-05	9.32E-10	4.49E-07	3.05E-07	5.41E-05	2.52E-05	3.84E-04	3.37E-05	1.12E-05	4.54E-04	2.39E-05	7.65E-10	4.49E-07	3.05E-07	2.47E-05
4883	475363.09	3862377.25	5.51E-05	9.97E-10	4.63E-07	3.10E-07	5.59E-05	2.60E-05	4.11E-04	3.47E-05	1.14E-05	4.83E-04	2.47E-05	8.18E-10	4.63E-07	3.10E-07	2.55E-05
4884	475863.09	3862377.25	5.66E-05	1.06E-09	4.74E-07	3.17E-07	5.74E-05	2.67E-05	4.36E-04	3.55E-05	1.16E-05	5.10E-04	2.54E-05	8.68E-10	4.74E-07	3.17E-07	2.62E-05
4885	476363.09	3862377.25	5.79E-05	1.11E-09	4.82E-07	3.25E-07	5.87E-05	2.73E-05	4.57E-04	3.62E-05	1.19E-05	5.33E-04	2.60E-05	9.11E-10	4.82E-07	3.25E-07	2.68E-05
4886	476863.09	3862377.25	5.87E-05	1.15E-09	4.89E-07	3.35E-07	5.96E-05	2.77E-05	4.75E-04	3.67E-05	1.23E-05	5.52E-04	2.63E-05	9.47E-10	4.89E-07	3.35E-07	2.72E-05
4887	477363.09	3862377.25	5.92E-05	1.14E-09	5.05E-07	3.54E-07	6.00E-05	2.79E-05	4.71E-04	3.79E-05	1.30E-05	5.50E-04	2.65E-05	9.39E-10	5.05E-07	3.54E-07	2.74E-05
4888	477863.09	3862377.25	5.74E-05	8.36E-10	6.91E-07	4.53E-07	5.86E-05	2.71E-05	3.45E-04	5.19E-05	1.66E-05	4.40E-04	2.57E-05	6.86E-10	6.91E-07	4.53E-07	2.69E-05
4889	478363.09	3862377.25	5.26E-05	5.99E-10	6.41E-07	4.12E-07	5.36E-05	2.48E-05	2.47E-04	4.81E-05	1.51E-05	3.35E-04	2.36E-05	4.91E-10	6.41E-07	4.12E-07	2.46E-05
4890	478863.09	3862377.25	5.71E-05	6.55E-10	5.69E-07	3.78E-07	5.80E-05	2.69E-05	2.70E-04	4.27E-05	1.39E-05	3.53E-04	2.56E-05	5.37E-10	5.69E-07	3.78E-07	2.65E-05
4891	479363.09	3862377.25	6.66E-05	8.52E-10	6.10E-07	3.98E-07	6.76E-05	3.14E-05	3.51E-04	4.57E-05	1.46E-05	4.43E-04	2.99E-05	6.99E-10	6.10E-07	3.98E-07	3.09E-05
4892	479863.09	3862377.25	7.73E-05	1.60E-09	5.79E-07	3.87E-07	7.82E-05	3.64E-05	6.61E-04	4.34E-05	1.42E-05	7.55E-04	3.46E-05	1.32E-09	5.79E-07	3.87E-07	3.56E-05
4893	480363.09	3862377.25	8.18E-05	1.97E-09	5.89E-07	3.92E-07	8.28E-05	3.86E-05	8.10E-04	4.42E-05	1.44E-05	9.08E-04	3.67E-05	1.61E-09	5.89E-07	3.92E-07	3.77E-05
4894	480863.09	3862377.25	8.68E-05	2.14E-09	6.05E-07	4.01E-07	8.78E-05	4.10E-05	8.83E-04	4.54E-05	1.47E-05	9.84E-04	3.89E-05	1.76E-09	6.05E-07	4.01E-07	4.00E-05
4895	481363.09	3862377.25	9.25E-05	2.30E-09	6.17E-07	4.06E-07	9.35E-05	4.36E-05	9.48E-04	4.63E-05	1.49E-05	1.05E-03	4.15E-05	1.89E-09	6.17E-07	4.06E-07	4.25E-05
4896	481863.09	3862377.25	9.66E-05	2.47E-09	6.30E-07	4.12E-07	9.77E-05	4.56E-05	1.02E-03	4.73E-05	1.51E-05	1.12E-03	4.33E-05	2.02E-09	6.30E-07	4.12E-07	4.44E-05
4897	482363.09	3862377.25	9.95E-05	2.64E-09	6.38E-07	4.17E-07	1.01E-04	4.69E-05	1.09E-03	4.78E-05	1.53E-05	1.20E-03	4.46E-05	2.17E-09	6.38E-07	4.17E-07	4.57E-05
4898	482863.09	3862377.25	1.03E-04	2.80E-09	6.16E-07	4.33E-07	1.04E-04	4.85E-05	1.16E-03	4.62E-05	1.59E-05	1.27E-03	4.62E-05	2.30E-09	6.16E-07	4.33E-07	4.72E-05
4899	483363.09	3862377.25	1.06E-04	2.95E-09	5.65E-07	4.51E-07	1.07E-04	5.01E-05	1.22E-03	4.24E-05	1.65E-05	1.33E-03	4.77E-05	2.42E-09	5.65E-07	4.51E-07	4.87E-05
4900	483863.09	3862377.25	1.06E-04	3.18E-09	5.15E-07	4.71E-07	1.07E-04	4.99E-05	1.31E-03	3.87E-05	1.73E-05	1.42E-03	4.74E-05	2.61E-09	5.15E-07	4.71E-07	4.84E-05
4901	484363.09	3862377.25	1.05E-04	3.40E-09	4.79E-07	4.76E-07	1.06E-04	4.97E-05	1.40E-03	3.59E-05	1.75E-05	1.51E-03	4.73E-05	2.79E-09	4.79E-07	4.76E-07	4.82E-05
4902	484863.09	3862377.25	1.03E-04	3.63E-09	4.29E-07	4.69E-07	1.04E-04	4.85E-05	1.49E-03	3.21E-05	1.72E-05	1.59E-03	4.61E-05	2.98E-09	4.29E-07	4.69E-07	4.70E-05
4903	485363.09	3862377.25	9.98E-05	3.87E-09	4.84E-07	4.54E-07	1.01E-04	4.71E-05	1.59E-03	3.63E-05	1.66E-05	1.69E-03	4.48E-05	3.17E-09	4.84E-07	4.54E-07	4.57E-05
4904	485863.09	3862377.25	9.50E-05	4.12E-09	4.70E-07	4.37E-07	9.59E-05	4.48E-05	1.70E-03	3.53E-05	1.60E-05	1.80E-03	4.26E-05	3.38E-09	4.70E-07	4.37E-07	4.35E-05
4905	486363.09	3862377.25	9.23E-05	4.44E-09	3.58E-07	4.29E-07	9.31E-05	4.35E-05	1.83E-03	2.69E-05	1.57E-05	1.91E-03	4.14E-05	3.64E-09	3.58E-07	4.29E-07	4.22E-05
4906	486863.09	3862377.25	9.22E-05	4.63E-09	3.73E-07	4.26E-07	9.30E-05	4.35E-05	1.91E-03	2.80E-05	1.56E-05	1.99E-03	4.14E-05	3.80E-09	3.73E-07	4.26E-07	4.22E-05
4907	487363.09	3862377.25	9.41E-05	4.82E-09	4.49E-07	4.28E-07	9.50E-05	4.44E-05	1.99E-03	3.37E-05	1.57E-05	2.08E-03	4.22E-05	3.96E-09	4.49E-07	4.28E-07	4.31E-05
4908	487863.09	3862377.25	9.64E-05	4.86E-09	5.46E-07	4.54E-07	9.74E-05	4.55E-05	2.00E-03	4.10E-05	1.66E-05	2.11E-03	4.32E-05	3.99E-09	5.46E-07	4.54E-07	4.42E-05
4909	488363.09	3862377.25	9.45E-05	4.73E-09	4.99E-07	4.79E-07	9.55E-05	4.46E-05	1.95E-03	3.74E-05	1.76E-05	2.05E-03	4.24E-05	3.88E-09	4.99E-07	4.79E-07	4.34E-05
4910	488863.09	3862377.25	9.31E-05	4.76E-09	3.67E-07	4.71E-07	9.40E-05	4.39E-05	1.96E-03	2.75E-05	1.73E-05	2.05E-03	4.18E-05	3.90E-09	3.67E-07	4.71E-07	4.26E-05
4911	489363.09	3862377.25	9.61E-05	4.88E-09	3.32E-07	4.51E-07	9.69E-05	4.53E-05	2.01E-03	2.49E-05	1.65E-05	2.10E-03	4.31E-05	4.01E-09	3.32E-07	4.51E-07	4.39E-05
4912	489863.09	3862377.25	9.91E-05	4.99E-09	3.20E-07	4.83E-07	9.99E-05	4.67E-05	2.06E-03	2.40E-05	1.77E-05	2.15E-03	4.44E-05	4.10E-09	3.20E-07	4.83E-07	4.53E-05
4913	490363.09	3862377.25	9.97E-05	5.12E-09	3.95E-07	4.98E-07	1.01E-04	4.70E-05	2.11E-03	2.96E-05	1.82E-05	2.20E-03	4.47E-05	4.20E-09	3.95E-07	4.98E-07	4.56E-05
4914	490863.09	3862377.25	1.02E-04	5.09E-09	5.19E-07	4.86E-07	1.03E-04	4.79E-05	2.10E-03	3.89E-05	1.78E-05	2.20E-03	4.55E-05	4.18E-09	5.19E-07	4.86E-07	4.65E-05
4915	491363.09	3862377.25	1.01E-04	4.97E-09	5.76E-07	4.79E-07	1.02E-04	4.78E-05	2.05E-03	4.32E-05	1.76E-05	2.15E-03	4.54E-05	4.07E-09	5.76E-07	4.79E-07	4.65E-05
4916	491863.09	3862377.25	1.02E-04	4.87E-09	5.70E-07	4.68E-07	1.03E-04	4.82E-05	2.01E-03	4.27E-05	1.71E-05	2.12E-03	4.58E-05	4.00E-09	5.70E-07	4.68E-07	4.69E-05
4917	492363.09	3862377.25	1.08E-04	4.90E-09	5.71E-07	4.66E-07	1.09E-04	5.08E-05	2.02E-03	4.28E-05	1.71E-05	2.13E-03	4.83E-05	4.02E-09	5.71E-07	4.66E-07	4.94E-05
4918	492863.09	3862377.25	1.08E-04	4.90E-09	6.06E-07	4.72E-07	1.09E-04	5.08E-05	2.02E-03	4.54E-05	1.73E-05	2.13E-03	4.83E-05	4.02E-09	6.06E-07	4.72E-07	4.94E-05
4919	493363.09	3862377.25	1.02E-04	4.86E-09	5.91E-07	4.80E-07	1.03E-04	4.81E-05	2.00E-03	4.43E-05	1.76E-05	2.11E-03	4.57E-05	3.99E-09	5.91E-07	4.80E-07	4.68E-05
4920	493863.09	3862377.25	9.67E-05	4.80E-09	5.49E-07	4.87E-07	9.78E-05	4.56E-05	1.98E-03	4.12E-05	1.78E-05	2.08E-03	4.34E-05	3.94E-09	5.49E-07	4.87E-07	4.44E-05
4921	494363.09	3862377.25	9.50E-05	4.71E-09	5.48E-07	4.92E-07	9.61E-05	4.48E-05	1.94E-03	4.11E-05	1.80E-05	2.04E-03	4.26E-05	3.87E-09	5.48E-07	4.92E-07	4.37E-05
4922	494863.09	3862377.25	9.52E-05	4.59E-09	5.83E-07	4.95E-07	9.63E-05	4.49E-05	1.89E-03	4.38E-05	1.82E-05	2.00E-03	4.27E-05	3.77E-09	5.83E-07	4.95E-07	4.38E-05
4923	495363.09	3862377.25	9.52E-05	4.41E-09	6.14E-07	4.93E-07	9.63E-05	4.49E-05	1.82E-03	4.61E-05	1.81E-05	1.93E-03	4.27E-05	3.62E-09	6.14E-07	4.93E-07	4.38E-05
4924	495863.09	3862377.25	9.69E-05	4.25E-09	6.14E-07	4.93E-07	9.80E-05	4.57E-05	1.75E-03	4.61E-05	1.81E-05	1.86E-03	4.35E-05	3.49E-09	6.14E-07	4.93E-07	4.46E-05
4925	496363.09	3862377.25	1.00E-04	4.10E-09	5.89E-07	4.93E-07	1.01E-04	4.72E-05	1.69E-03	4.42E-05	1.81E-05	1.80E-03	4.49E-05	3.36E-09	5.89E-07	4.93E-07	4.60E-05
4926	496863.09	3862377.25	1.05E-04	3.99E-09	5.76E-07	4.99E-07	1.06E-04	4.95E-05	1.65E-03	4.32E-05	1.83E-05	1.76E-03	4.71E-05	3.28E-09	5.76E-07	4.99E-07	4.82E-05
4927	497363.09	3862377.25	1.07E-04	3.84E-09	5.79E-07	5.00E-07	1.08E-04	5.03E-05	1.58E-03	4.34E-05	1.83E-05	1.69E-03	4.78E-05	3.15E-09	5.79E-07	5.00E-07	4.89E-05
4928	497863.09	3862377.25	1.07E-04	3.71E-09	6.03E-07	5.04E-07	1.08E-04	5.03E-05	1.53E-03	4.52E-05	1.85E-05	1.64E-03	4.78E-05	3.05E-09	6.03E-07	5.04E-07	4.89E-05
4929	498363.09	3862377.25	1.04E-04	3.57E-09	6.30E-07	5.05E-07	1.05E-04	4.92E-05	1.47E-03	4.73E-05	1.85E-05	1.59E-03	4.68E-05	2.93E-09	6.30E-07	5.05E-07	4.79E-05
4930	471363.09	3862877.25	4.14E-05	6.81E-10	3.80E-07	2.43E-07	4.20E-05	1.95E-05	2.81E-04	2.85E-05	8.90E-06	3.38E-04	1.85E-05	5.59E-10	3.80E-07	2.43E-07	1.92E-05
4931	471863.09	3862877.25	4.24E-05	7.15E-10	3.84E-07	2.51E-07	4.30E-05	2.00E-05	2.95E-04	2.88E-05	9.19E-06	3.53E-04	1.90E-05	5.87E-10	3.84E-07	2.51E-07	1.96E-05
4932	472363.09	3862877.25	4.33E-05	7.52E-10	3.91E-07	2.58E-07	4.40E-05	2.04E-05	3.10E-04	2.93E-05	9.47E-06	3.69E-04	1.94E-05	6.17E-10	3.91E-07	2.58E-07	2.01E-05
4933	472863.09	3862877.25	4.43E-05	7.84E-10	3.99E-07	2.66E-07	4.50E-05	2.09E-05	3.23E-04	2.99E-05	9.76E-06	3.83E-04	1.99E-05	6.43E-10	3.99E-07	2.66E-07	2.05E-05
4934	473363.09	3862877.25	4.55E-05	8.17E-10	4.10E-07	2.74E-07	4.62E-05	2.15E-05	3.37E-04	3.07E-05	1.00E-05	3.99E-04	2.04E-05	6.71E-10	4.10E-07	2.74E-07	2.11E-05
4935	473863.09	3862877.25	4.68E-05	8.52E-10	4.22E-07	2.82E-07	4.75E-05	2.21E-05	3.51E-04	3.16E-05	1.03E-05	4.15E-04	2.10E-05	6.99E-10	4.22E-07	2.82E-07	2.17E-05
4936	474363.09	3862877.25	4.82E-05	8.85E-10	4.32E-07	2.89E-07	4.89E-05	2.27E-05	3.65E-04	3.24E-05	1.06E-05	4.31E-04	2.16E-05	7.27E-10	4.32E-07	2.89E-07	2.23E-05
4937	474863.09	3862877.25	4.94E-05	9.24E-10	4.40E-07	2.98E-07	5.01E-05	2.33E-05	3.81E-04	3.30E-05	1.09E-05	4.48E-04	2.22E-05	7.58E-10	4.40E-07	2.98E-07	2.29E-05

4938	475363.09	3862877.25	5.03E-05	9.79E-10	4.41E-07	3.03E-07	5.10E-05	2.37E-05	4.03E-04	3.30E-05	1.11E-05	4.71E-04	2.25E-05	8.03E-10	4.41E-07	3.03E-07	2.33E-05
4939	475863.09	3862877.25	5.09E-05	1.03E-09	4.37E-07	3.09E-07	5.16E-05	2.40E-05	4.26E-04	3.28E-05	1.13E-05	4.94E-04	2.28E-05	8.48E-10	4.37E-07	3.09E-07	2.36E-05
4940	476363.09	3862877.25	5.15E-05	1.09E-09	4.33E-07	3.13E-07	5.22E-05	2.43E-05	4.50E-04	3.25E-05	1.15E-05	5.19E-04	2.31E-05	8.97E-10	4.33E-07	3.13E-07	2.38E-05
4941	476863.09	3862877.25	5.26E-05	1.14E-09	4.35E-07	3.19E-07	5.33E-05	2.48E-05	4.71E-04	3.27E-05	1.17E-05	5.40E-04	2.36E-05	9.38E-10	4.35E-07	3.19E-07	2.43E-05
4942	477363.09	3862877.25	5.46E-05	1.18E-09	4.48E-07	3.26E-07	5.53E-05	2.57E-05	4.86E-04	3.36E-05	1.20E-05	5.57E-04	2.45E-05	9.68E-10	4.48E-07	3.26E-07	2.52E-05
4943	477863.09	3862877.25	5.68E-05	1.08E-09	4.86E-07	3.50E-07	5.76E-05	2.68E-05	4.45E-04	3.65E-05	1.29E-05	5.22E-04	2.55E-05	8.87E-10	4.86E-07	3.50E-07	2.63E-05
4944	478363.09	3862877.25	5.65E-05	7.88E-10	5.41E-07	3.64E-07	5.74E-05	2.67E-05	3.25E-04	4.06E-05	1.34E-05	4.05E-04	2.53E-05	6.47E-10	5.41E-07	3.64E-07	2.63E-05
4945	478863.09	3862877.25	6.03E-05	8.38E-10	5.66E-07	3.75E-07	6.13E-05	2.85E-05	3.45E-04	4.24E-05	1.37E-05	4.30E-04	2.71E-05	6.88E-10	5.66E-07	3.75E-07	2.80E-05
4946	479363.09	3862877.25	6.35E-05	9.32E-10	5.72E-07	3.75E-07	6.44E-05	2.99E-05	3.84E-04	4.29E-05	1.37E-05	4.71E-04	2.85E-05	7.65E-10	5.72E-07	3.75E-07	2.94E-05
4947	479863.09	3862877.25	7.16E-05	1.69E-09	5.43E-07	3.63E-07	7.25E-05	3.38E-05	6.95E-04	4.07E-05	1.33E-05	7.83E-04	3.21E-05	1.38E-09	5.43E-07	3.63E-07	3.30E-05
4948	480363.09	3862877.25	7.54E-05	1.86E-09	5.57E-07	3.74E-07	7.64E-05	3.56E-05	7.67E-04	4.18E-05	1.37E-05	8.58E-04	3.38E-05	1.53E-09	5.57E-07	3.74E-07	3.48E-05
4949	480863.09	3862877.25	8.04E-05	1.99E-09	5.70E-07	3.76E-07	8.14E-05	3.79E-05	8.21E-04	4.27E-05	1.38E-05	9.15E-04	3.61E-05	1.63E-09	5.70E-07	3.76E-07	3.70E-05
4950	481363.09	3862877.25	8.45E-05	2.12E-09	5.74E-07	3.79E-07	8.54E-05	3.98E-05	8.73E-04	4.31E-05	1.39E-05	9.70E-04	3.79E-05	1.74E-09	5.74E-07	3.79E-07	3.88E-05
4951	481863.09	3862877.25	8.78E-05	2.20E-09	5.85E-07	3.79E-07	8.87E-05	4.14E-05	9.05E-04	4.39E-05	1.39E-05	1.00E-03	3.94E-05	1.80E-09	5.85E-07	3.79E-07	4.03E-05
4952	482363.09	3862877.25	8.84E-05	2.34E-09	5.43E-07	3.88E-07	8.93E-05	4.17E-05	9.65E-04	4.08E-05	1.42E-05	1.06E-03	3.97E-05	1.92E-09	5.43E-07	3.88E-07	4.06E-05
4953	482863.09	3862877.25	9.18E-05	2.47E-09	5.01E-07	4.00E-07	9.27E-05	4.33E-05	1.02E-03	3.76E-05	1.47E-05	1.11E-03	4.12E-05	2.03E-09	5.01E-07	4.00E-07	4.21E-05
4954	483363.09	3862877.25	9.36E-05	2.61E-09	4.70E-07	4.16E-07	9.45E-05	4.41E-05	1.07E-03	3.53E-05	1.53E-05	1.17E-03	4.20E-05	2.14E-09	4.70E-07	4.16E-07	4.29E-05
4955	483863.09	3862877.25	9.28E-05	2.75E-09	4.36E-07	4.29E-07	9.36E-05	4.37E-05	1.13E-03	3.27E-05	1.57E-05	1.22E-03	4.16E-05	2.26E-09	4.36E-07	4.29E-07	4.25E-05
4956	484363.09	3862877.25	9.19E-05	2.86E-09	3.99E-07	4.25E-07	9.27E-05	4.33E-05	1.18E-03	2.99E-05	1.56E-05	1.27E-03	4.12E-05	2.35E-09	3.99E-07	4.25E-07	4.20E-05
4957	484863.09	3862877.25	9.06E-05	3.02E-09	4.27E-07	4.11E-07	9.14E-05	4.27E-05	1.24E-03	3.20E-05	1.51E-05	1.33E-03	4.06E-05	2.48E-09	4.27E-07	4.11E-07	4.15E-05
4958	485363.09	3862877.25	8.79E-05	3.23E-09	4.93E-07	3.86E-07	8.88E-05	4.15E-05	1.33E-03	3.70E-05	1.41E-05	1.42E-03	3.94E-05	2.65E-09	4.93E-07	3.86E-07	4.03E-05
4959	485863.09	3862877.25	8.30E-05	3.44E-09	3.83E-07	3.71E-07	8.38E-05	3.91E-05	1.42E-03	2.87E-05	1.36E-05	1.50E-03	3.72E-05	2.82E-09	3.83E-07	3.71E-07	3.80E-05
4960	486363.09	3862877.25	8.14E-05	3.64E-09	3.37E-07	3.66E-07	8.21E-05	3.84E-05	1.50E-03	2.53E-05	1.34E-05	1.58E-03	3.65E-05	2.99E-09	3.37E-07	3.66E-07	3.72E-05
4961	486863.09	3862877.25	8.05E-05	3.65E-09	3.50E-07	3.63E-07	8.12E-05	3.80E-05	1.50E-03	2.62E-05	1.33E-05	1.58E-03	3.61E-05	2.99E-09	3.50E-07	3.63E-07	3.68E-05
4962	487363.09	3862877.25	8.25E-05	3.73E-09	4.33E-07	3.63E-07	8.33E-05	3.89E-05	1.54E-03	3.25E-05	1.33E-05	1.62E-03	3.70E-05	3.06E-09	4.33E-07	3.63E-07	3.78E-05
4963	487863.09	3862877.25	8.51E-05	3.75E-09	5.14E-07	3.86E-07	8.60E-05	4.01E-05	1.55E-03	3.85E-05	1.41E-05	1.64E-03	3.82E-05	3.08E-09	5.14E-07	3.86E-07	3.91E-05
4964	488363.09	3862877.25	8.46E-05	3.64E-09	4.73E-07	4.07E-07	8.55E-05	3.99E-05	1.50E-03	3.55E-05	1.49E-05	1.59E-03	3.79E-05	2.99E-09	4.73E-07	4.07E-07	3.88E-05
4965	488863.09	3862877.25	8.19E-05	3.64E-09	3.44E-07	3.87E-07	8.26E-05	3.86E-05	1.50E-03	2.58E-05	1.42E-05	1.58E-03	3.67E-05	2.99E-09	3.44E-07	3.87E-07	3.75E-05
4966	489363.09	3862877.25	8.28E-05	3.73E-09	3.18E-07	3.79E-07	8.35E-05	3.91E-05	1.54E-03	2.39E-05	1.39E-05	1.61E-03	3.71E-05	3.06E-09	3.18E-07	3.79E-07	3.78E-05
4967	489863.09	3862877.25	8.64E-05	3.79E-09	2.84E-07	3.96E-07	8.70E-05	4.07E-05	1.56E-03	2.13E-05	1.45E-05	1.64E-03	3.87E-05	3.11E-09	2.84E-07	3.96E-07	3.94E-05
4968	490363.09	3862877.25	8.75E-05	3.87E-09	3.15E-07	4.20E-07	8.82E-05	4.13E-05	1.59E-03	2.36E-05	1.54E-05	1.67E-03	3.92E-05	3.18E-09	3.15E-07	4.20E-07	4.00E-05
4969	490863.09	3862877.25	8.79E-05	3.96E-09	4.07E-07	4.21E-07	8.87E-05	4.15E-05	1.63E-03	3.05E-05	1.54E-05	1.72E-03	3.94E-05	3.25E-09	4.07E-07	4.21E-07	4.03E-05
4970	491363.09	3862877.25	9.07E-05	3.98E-09	5.08E-07	4.18E-07	9.16E-05	4.28E-05	1.64E-03	3.81E-05	1.53E-05	1.73E-03	4.07E-05	3.26E-09	5.08E-07	4.18E-07	4.16E-05
4971	491863.09	3862877.25	8.90E-05	3.84E-09	5.29E-07	4.09E-07	8.99E-05	4.20E-05	1.58E-03	3.97E-05	1.50E-05	1.68E-03	3.99E-05	3.15E-09	5.29E-07	4.09E-07	4.08E-05
4972	492363.09	3862877.25	9.04E-05	3.75E-09	5.22E-07	4.00E-07	9.13E-05	4.26E-05	1.55E-03	3.92E-05	1.47E-05	1.64E-03	4.05E-05	3.08E-09	5.22E-07	4.00E-07	4.15E-05
4973	492863.09	3862877.25	9.51E-05	3.75E-09	5.20E-07	3.93E-07	9.60E-05	4.48E-05	1.54E-03	3.90E-05	1.44E-05	1.64E-03	4.26E-05	3.07E-09	5.20E-07	3.93E-07	4.35E-05
4974	493363.09	3862877.25	9.59E-05	3.79E-09	5.55E-07	3.96E-07	9.68E-05	4.52E-05	1.56E-03	4.16E-05	1.45E-05	1.66E-03	4.30E-05	3.11E-09	5.55E-07	3.96E-07	4.39E-05
4975	493863.09	3862877.25	9.17E-05	3.83E-09	5.49E-07	4.05E-07	9.27E-05	4.33E-05	1.58E-03	4.12E-05	1.48E-05	1.68E-03	4.11E-05	3.14E-09	5.49E-07	4.05E-07	4.21E-05
4976	494363.09	3862877.25	8.67E-05	3.82E-09	5.06E-07	4.10E-07	8.76E-05	4.09E-05	1.57E-03	3.80E-05	1.50E-05	1.67E-03	3.89E-05	3.13E-09	5.06E-07	4.10E-07	3.98E-05
4977	494863.09	3862877.25	8.38E-05	3.76E-09	4.84E-07	4.11E-07	8.47E-05	3.95E-05	1.55E-03	3.63E-05	1.51E-05	1.64E-03	3.76E-05	3.09E-09	4.84E-07	4.11E-07	3.85E-05
4978	495363.09	3862877.25	8.35E-05	3.71E-09	5.04E-07	4.12E-07	8.44E-05	3.94E-05	1.53E-03	3.78E-05	1.51E-05	1.62E-03	3.74E-05	3.04E-09	5.04E-07	4.12E-07	3.84E-05
4979	495863.09	3862877.25	8.37E-05	3.63E-09	5.42E-07	4.13E-07	8.47E-05	3.95E-05	1.49E-03	4.06E-05	1.52E-05	1.59E-03	3.75E-05	2.98E-09	5.42E-07	4.13E-07	3.85E-05
4980	496363.09	3862877.25	8.43E-05	3.52E-09	5.62E-07	4.13E-07	8.53E-05	3.98E-05	1.45E-03	4.22E-05	1.52E-05	1.55E-03	3.78E-05	2.89E-09	5.62E-07	4.13E-07	3.88E-05
4981	496863.09	3862877.25	8.62E-05	3.41E-09	5.51E-07	4.13E-07	8.71E-05	4.06E-05	1.40E-03	4.13E-05	1.52E-05	1.50E-03	3.86E-05	2.80E-09	5.51E-07	4.13E-07	3.96E-05
4982	497363.09	3862877.25	8.89E-05	3.29E-09	5.23E-07	4.12E-07	8.99E-05	4.19E-05	1.35E-03	3.92E-05	1.51E-05	1.45E-03	3.99E-05	2.70E-09	5.23E-07	4.12E-07	4.08E-05
4983	497863.09	3862877.25	9.17E-05	3.19E-09	5.03E-07	4.15E-07	9.27E-05	4.33E-05	1.31E-03	3.78E-05	1.52E-05	1.41E-03	4.11E-05	2.62E-09	5.03E-07	4.15E-07	4.21E-05
4984	498363.09	3862877.25	9.36E-05	3.11E-09	5.06E-07	4.19E-07	9.46E-05	4.42E-05	1.28E-03	3.80E-05	1.54E-05	1.38E-03	4.20E-05	2.55E-09	5.06E-07	4.19E-07	4.29E-05
4985	471363.09	3863377.25	3.90E-05	6.75E-10	3.67E-07	2.45E-07	3.96E-05	1.84E-05	2.78E-04	2.75E-05	8.97E-06	3.33E-04	1.75E-05	5.54E-10	3.67E-07	2.45E-07	1.81E-05
4986	471863.09	3863377.25	3.98E-05	7.03E-10	3.76E-07	2.52E-07	4.04E-05	1.88E-05	2.90E-04	2.82E-05	9.25E-06	3.46E-04	1.78E-05	5.77E-10	3.76E-07	2.52E-07	1.85E-05
4987	472363.09	3863377.25	4.06E-05	7.33E-10	3.87E-07	2.60E-07	4.13E-05	1.92E-05	3.02E-04	2.90E-05	9.54E-06	3.60E-04	1.82E-05	6.02E-10	3.87E-07	2.60E-07	1.89E-05
4988	472863.09	3863377.25	4.16E-05	7.64E-10	3.98E-07	2.67E-07	4.23E-05	1.96E-05	3.15E-04	2.99E-05	9.79E-06	3.74E-04	1.87E-05	6.27E-10	3.98E-07	2.67E-07	1.93E-05
4989	473363.09	3863377.25	4.25E-05	7.97E-10	4.05E-07	2.73E-07	4.32E-05	2.01E-05	3.28E-04	3.04E-05	1.00E-05	3.89E-04	1.91E-05	6.54E-10	4.05E-07	2.73E-07	1.98E-05
4990	473863.09	3863377.25	4.34E-05	8.30E-10	4.07E-07	2.79E-07	4.41E-05	2.05E-05	3.42E-04	3.06E-05	1.02E-05	4.03E-04	1.95E-05	6.81E-10	4.07E-07	2.79E-07	2.02E-05
4991	474363.09	3863377.25	4.41E-05	8.65E-10	4.06E-07	2.85E-07	4.48E-05	2.08E-05	3.56E-04	3.04E-05	1.05E-05	4.18E-04	1.98E-05	7.10E-10	4.06E-07	2.85E-07	2.05E-05
4992	474863.09	3863377.25	4.45E-05	9.14E-10	4.02E-07	2.89E-07	4.52E-05	2.10E-05	3.77E-04	3.02E-05	1.06E-05	4.39E-04	2.00E-05	7.50E-10	4.02E-07	2.89E-07	2.07E-05
4993	475363.09	3863377.25	4.51E-05	9.61E-10	3.98E-07	2.93E-07	4.57E-05	2.13E-05	3.96E-04	2.99E-05	1.07E-05	4.58E-04	2.02E-05	7.89E-10	3.98E-07	2.93E-07	2.09E-05
4994	475863.09	3863377.25	4.58E-05	1.01E-09	4.00E-07	2.95E-07	4.65E-05	2.16E-05	4.18E-04	3.00E-05	1.08E-05	4.80E-04	2.06E-05	8.32E-10	4.00E-07	2.95E-07	2.12E-05
4995	476363.09	3863377.25	4.70E-05	1.08E-09	4.12E-07	2.96E-07	4.77E-05	2.22E-05	4.44E-04	3.09E-05	1.09E-05	5.08E-04	2.11E-05	8.85E-10	4.12E-07	2.96E-07	2.18E-05
4996	476863.09	3863377.25	4.88E-05	1.14E-09	4.35E-07	2.99E-07	4.96E-05	2.30E-05	4.71E-04	3.26E-05	1.10E-05	5.37E-04	2.19E-05	9.37E-10	4.35E-07	2.99E-07	2.26E-05
4997	477363.09	3863377.25	5.15E-05	1.20E-09	4.58E-07	3.04E-07	5.23E-05	2.43E-05	4.93E-04	3.44E-05	1.11E-05	5.63E-04	2.31E-05	9.83E-10	4.58E-07	3.04E-07	2.39E-05
4998	477863.09	3863377.25	5.47E-05	1.21E-09	4.79E-07	3.17E-07	5.55E-05	2.58E-05	4.98E-04	3.59E-05	1.16E-05	5.71E-04	2.45E-05	9.91E-10	4.79E-07	3.17E-07	2.53E-05

4999	478363.09	3863377.25	5.72E-05	1.07E-09	5.01E-07	3.40E-07	5.81E-05	2.70E-05	4.42E-04	3.76E-05	1.25E-05	5.19E-04	2.57E-05	8.80E-10	5.01E-07	3.40E-07	2.65E-05
5000	478863.09	3863377.25	5.98E-05	1.19E-09	5.08E-07	3.42E-07	6.07E-05	2.82E-05	4.91E-04	3.81E-05	1.25E-05	5.70E-04	2.68E-05	9.78E-10	5.08E-07	3.42E-07	2.77E-05
5001	479363.09	3863377.25	6.32E-05	1.44E-09	5.09E-07	3.39E-07	6.41E-05	2.98E-05	5.93E-04	3.81E-05	1.24E-05	6.73E-04	2.84E-05	1.18E-09	5.09E-07	3.39E-07	2.92E-05
5002	479863.09	3863377.25	6.61E-05	1.64E-09	5.20E-07	3.46E-07	6.69E-05	3.12E-05	6.74E-04	3.90E-05	1.27E-05	7.57E-04	2.96E-05	1.34E-09	5.20E-07	3.46E-07	3.05E-05
5003	480363.09	3863377.25	7.00E-05	1.73E-09	5.20E-07	3.55E-07	7.08E-05	3.30E-05	7.15E-04	3.90E-05	1.30E-05	8.00E-04	3.14E-05	1.42E-09	5.20E-07	3.55E-07	3.23E-05
5004	480863.09	3863377.25	7.44E-05	1.82E-09	5.32E-07	3.54E-07	7.53E-05	3.51E-05	7.48E-04	3.99E-05	1.30E-05	8.36E-04	3.34E-05	1.49E-09	5.32E-07	3.54E-07	3.43E-05
5005	481363.09	3863377.25	7.67E-05	1.90E-09	5.19E-07	3.55E-07	7.76E-05	3.62E-05	7.82E-04	3.89E-05	1.30E-05	8.71E-04	3.44E-05	1.56E-09	5.19E-07	3.55E-07	3.53E-05
5006	481863.09	3863377.25	7.76E-05	1.99E-09	4.87E-07	3.55E-07	7.85E-05	3.66E-05	8.18E-04	3.65E-05	1.30E-05	9.04E-04	3.48E-05	1.63E-09	4.87E-07	3.55E-07	3.57E-05
5007	482363.09	3863377.25	7.94E-05	2.09E-09	4.48E-07	3.61E-07	8.02E-05	3.75E-05	8.60E-04	3.36E-05	1.32E-05	9.44E-04	3.56E-05	1.71E-09	4.48E-07	3.61E-07	3.64E-05
5008	482863.09	3863377.25	8.19E-05	2.18E-09	4.23E-07	3.71E-07	8.27E-05	3.86E-05	9.00E-04	3.17E-05	1.36E-05	9.84E-04	3.67E-05	1.79E-09	4.23E-07	3.71E-07	3.75E-05
5009	483363.09	3863377.25	8.24E-05	2.27E-09	4.01E-07	3.84E-07	8.32E-05	3.89E-05	9.37E-04	3.00E-05	1.41E-05	1.02E-03	3.70E-05	1.87E-09	4.01E-07	3.84E-07	3.78E-05
5010	483863.09	3863377.25	8.14E-05	2.36E-09	3.67E-07	3.89E-07	8.22E-05	3.84E-05	9.74E-04	2.75E-05	1.43E-05	1.05E-03	3.65E-05	1.94E-09	3.67E-07	3.89E-07	3.73E-05
5011	484363.09	3863377.25	8.07E-05	2.47E-09	3.76E-07	3.78E-07	8.15E-05	3.81E-05	1.02E-03	2.82E-05	1.39E-05	1.10E-03	3.62E-05	2.02E-09	3.76E-07	3.78E-07	3.70E-05
5012	484863.09	3863377.25	8.12E-05	2.60E-09	4.67E-07	3.60E-07	8.20E-05	3.83E-05	1.07E-03	3.50E-05	1.32E-05	1.16E-03	3.64E-05	2.14E-09	4.67E-07	3.60E-07	3.72E-05
5013	485363.09	3863377.25	7.77E-05	2.76E-09	4.34E-07	3.35E-07	7.84E-05	3.66E-05	1.14E-03	3.25E-05	1.23E-05	1.22E-03	3.48E-05	2.26E-09	4.34E-07	3.35E-07	3.56E-05
5014	485863.09	3863377.25	7.36E-05	2.92E-09	3.22E-07	3.25E-07	7.43E-05	3.47E-05	1.20E-03	2.42E-05	1.19E-05	1.28E-03	3.30E-05	2.40E-09	3.22E-07	3.25E-07	3.37E-05
5015	486363.09	3863377.25	7.19E-05	3.00E-09	3.22E-07	3.29E-07	7.25E-05	3.39E-05	1.24E-03	2.42E-05	1.21E-05	1.31E-03	3.22E-05	2.47E-09	3.22E-07	3.29E-07	3.29E-05
5016	486863.09	3863377.25	7.13E-05	2.98E-09	3.33E-07	3.19E-07	7.19E-05	3.36E-05	1.23E-03	2.49E-05	1.17E-05	1.30E-03	3.20E-05	2.44E-09	3.33E-07	3.19E-07	3.26E-05
5017	487363.09	3863377.25	7.30E-05	2.99E-09	4.19E-07	3.19E-07	7.38E-05	3.44E-05	1.23E-03	3.14E-05	1.17E-05	1.31E-03	3.28E-05	2.46E-09	4.19E-07	3.19E-07	3.35E-05
5018	487863.09	3863377.25	7.56E-05	3.00E-09	4.83E-07	3.39E-07	7.65E-05	3.57E-05	1.24E-03	3.62E-05	1.24E-05	1.32E-03	3.39E-05	2.47E-09	4.83E-07	3.39E-07	3.47E-05
5019	488363.09	3863377.25	7.60E-05	2.93E-09	4.46E-07	3.56E-07	7.68E-05	3.59E-05	1.21E-03	3.34E-05	1.31E-05	1.29E-03	3.41E-05	2.41E-09	4.46E-07	3.56E-07	3.49E-05
5020	488863.09	3863377.25	7.35E-05	2.91E-09	3.26E-07	3.34E-07	7.42E-05	3.47E-05	1.20E-03	2.44E-05	1.23E-05	1.27E-03	3.30E-05	2.39E-09	3.26E-07	3.34E-07	3.36E-05
5021	489363.09	3863377.25	7.24E-05	2.97E-09	3.02E-07	3.29E-07	7.30E-05	3.41E-05	1.23E-03	2.26E-05	1.21E-05	1.29E-03	3.25E-05	2.44E-09	3.02E-07	3.29E-07	3.31E-05
5022	489863.09	3863377.25	7.50E-05	3.02E-09	2.69E-07	3.35E-07	7.56E-05	3.54E-05	1.24E-03	2.02E-05	1.23E-05	1.31E-03	3.36E-05	2.48E-09	2.69E-07	3.35E-07	3.42E-05
5023	490363.09	3863377.25	7.76E-05	3.05E-09	2.66E-07	3.60E-07	7.83E-05	3.66E-05	1.26E-03	2.00E-05	1.32E-05	1.33E-03	3.48E-05	2.50E-09	2.66E-07	3.60E-07	3.54E-05
5024	490863.09	3863377.25	7.78E-05	3.14E-09	3.22E-07	3.74E-07	7.85E-05	3.67E-05	1.29E-03	2.42E-05	1.37E-05	1.37E-03	3.49E-05	2.57E-09	3.22E-07	3.74E-07	3.56E-05
5025	491363.09	3863377.25	7.85E-05	3.19E-09	4.12E-07	3.69E-07	7.93E-05	3.70E-05	1.32E-03	3.09E-05	1.35E-05	1.40E-03	3.52E-05	2.62E-09	4.12E-07	3.69E-07	3.60E-05
5026	491863.09	3863377.25	8.00E-05	3.20E-09	4.75E-07	3.65E-07	8.09E-05	3.77E-05	1.32E-03	3.57E-05	1.34E-05	1.40E-03	3.59E-05	2.62E-09	4.75E-07	3.65E-07	3.67E-05
5027	492363.09	3863377.25	8.00E-05	3.14E-09	4.97E-07	3.68E-07	8.08E-05	3.77E-05	1.29E-03	3.73E-05	1.35E-05	1.38E-03	3.59E-05	2.58E-09	4.97E-07	3.68E-07	3.67E-05
5028	492863.09	3863377.25	8.30E-05	3.06E-09	5.04E-07	3.70E-07	8.39E-05	3.92E-05	1.26E-03	3.78E-05	1.36E-05	1.35E-03	3.72E-05	2.51E-09	5.04E-07	3.70E-07	3.81E-05
5029	493363.09	3863377.25	8.86E-05	3.01E-09	5.31E-07	3.58E-07	8.95E-05	4.18E-05	1.24E-03	3.98E-05	1.31E-05	1.34E-03	3.97E-05	2.47E-09	5.31E-07	3.58E-07	4.06E-05
5030	493863.09	3863377.25	8.93E-05	3.05E-09	5.63E-07	3.58E-07	9.03E-05	4.21E-05	1.26E-03	4.22E-05	1.31E-05	1.35E-03	4.01E-05	2.50E-09	5.63E-07	3.58E-07	4.10E-05
5031	494363.09	3863377.25	8.47E-05	3.11E-09	5.37E-07	3.67E-07	8.56E-05	3.99E-05	1.28E-03	4.02E-05	1.35E-05	1.38E-03	3.80E-05	2.55E-09	5.37E-07	3.67E-07	3.89E-05
5032	494863.09	3863377.25	8.02E-05	3.14E-09	4.97E-07	3.75E-07	8.11E-05	3.78E-05	1.29E-03	3.73E-05	1.37E-05	1.38E-03	3.60E-05	2.58E-09	4.97E-07	3.75E-07	3.68E-05
5033	495363.09	3863377.25	7.81E-05	3.14E-09	4.77E-07	3.78E-07	7.90E-05	3.68E-05	1.29E-03	3.58E-05	1.39E-05	1.38E-03	3.50E-05	2.58E-09	4.77E-07	3.78E-07	3.59E-05
5034	495863.09	3863377.25	7.80E-05	3.13E-09	4.92E-07	3.79E-07	7.89E-05	3.68E-05	1.29E-03	3.69E-05	1.39E-05	1.38E-03	3.50E-05	2.57E-09	4.92E-07	3.79E-07	3.58E-05
5035	496363.09	3863377.25	7.56E-05	3.08E-09	4.85E-07	3.63E-07	7.64E-05	3.57E-05	1.27E-03	3.64E-05	1.33E-05	1.35E-03	3.39E-05	2.52E-09	4.85E-07	3.63E-07	3.48E-05
5036	496863.09	3863377.25	7.43E-05	2.96E-09	5.05E-07	3.56E-07	7.52E-05	3.50E-05	1.22E-03	3.79E-05	1.30E-05	1.31E-03	3.33E-05	2.43E-09	5.05E-07	3.56E-07	3.42E-05
5037	497363.09	3863377.25	7.50E-05	2.88E-09	5.14E-07	3.55E-07	7.59E-05	3.54E-05	1.19E-03	3.85E-05	1.30E-05	1.28E-03	3.37E-05	2.37E-09	5.14E-07	3.55E-07	3.45E-05
5038	497863.09	3863377.25	7.72E-05	2.81E-09	4.98E-07	3.55E-07	7.80E-05	3.64E-05	1.16E-03	3.73E-05	1.30E-05	1.24E-03	3.46E-05	2.30E-09	4.98E-07	3.55E-07	3.55E-05
5039	498363.09	3863377.25	7.98E-05	2.73E-09	4.69E-07	3.56E-07	8.06E-05	3.76E-05	1.12E-03	3.52E-05	1.30E-05	1.21E-03	3.58E-05	2.24E-09	4.69E-07	3.56E-07	3.66E-05
5040	471363.09	3863877.25	3.66E-05	6.64E-10	3.68E-07	2.46E-07	3.72E-05	1.73E-05	2.74E-04	2.76E-05	9.03E-06	3.28E-04	1.64E-05	5.45E-10	3.68E-07	2.46E-07	1.70E-05
5041	471863.09	3863877.25	3.74E-05	6.82E-10	3.75E-07	2.53E-07	3.80E-05	1.76E-05	2.81E-04	2.81E-05	9.28E-06	3.36E-04	1.68E-05	5.60E-10	3.75E-07	2.53E-07	1.74E-05
5042	472363.09	3863877.25	3.81E-05	7.10E-10	3.79E-07	2.58E-07	3.88E-05	1.80E-05	2.92E-04	2.84E-05	9.47E-06	3.48E-04	1.71E-05	5.82E-10	3.79E-07	2.58E-07	1.77E-05
5043	472863.09	3863877.25	3.87E-05	7.39E-10	3.79E-07	2.63E-07	3.94E-05	1.83E-05	3.04E-04	2.84E-05	9.66E-06	3.61E-04	1.74E-05	6.06E-10	3.79E-07	2.63E-07	1.80E-05
5044	473363.09	3863877.25	3.91E-05	7.75E-10	3.77E-07	2.68E-07	3.97E-05	1.84E-05	3.19E-04	2.83E-05	9.82E-06	3.76E-04	1.75E-05	6.36E-10	3.77E-07	2.68E-07	1.82E-05
5045	473863.09	3863877.25	3.95E-05	8.07E-10	3.71E-07	2.72E-07	4.01E-05	1.86E-05	3.33E-04	2.78E-05	9.98E-06	3.89E-04	1.77E-05	6.63E-10	3.71E-07	2.72E-07	1.83E-05
5046	474363.09	3863877.25	3.98E-05	8.48E-10	3.69E-07	2.76E-07	4.05E-05	1.88E-05	3.49E-04	2.77E-05	1.01E-05	4.06E-04	1.79E-05	6.96E-10	3.69E-07	2.76E-07	1.85E-05
5047	474863.09	3863877.25	4.03E-05	8.98E-10	3.78E-07	2.77E-07	4.09E-05	1.90E-05	3.70E-04	2.84E-05	1.02E-05	4.28E-04	1.81E-05	7.37E-10	3.78E-07	2.77E-07	1.87E-05
5048	475363.09	3863877.25	4.13E-05	9.46E-10	3.86E-07	2.78E-07	4.19E-05	1.95E-05	3.90E-04	2.90E-05	1.02E-05	4.48E-04	1.85E-05	7.76E-10	3.86E-07	2.78E-07	1.92E-05
5049	475863.09	3863877.25	4.25E-05	1.01E-09	4.10E-07	2.79E-07	4.31E-05	2.00E-05	4.15E-04	3.07E-05	1.02E-05	4.76E-04	1.90E-05	8.26E-10	4.10E-07	2.79E-07	1.97E-05
5050	476363.09	3863877.25	4.42E-05	1.06E-09	4.31E-07	2.81E-07	4.49E-05	2.08E-05	4.37E-04	3.23E-05	1.03E-05	5.00E-04	1.98E-05	8.70E-10	4.31E-07	2.81E-07	2.05E-05
5051	476863.09	3863877.25	4.62E-05	1.12E-09	4.52E-07	2.85E-07	4.70E-05	2.18E-05	4.60E-04	3.39E-05	1.05E-05	5.26E-04	2.07E-05	9.17E-10	4.52E-07	2.85E-07	2.15E-05
5052	477363.09	3863877.25	4.88E-05	1.17E-09	4.59E-07	2.92E-07	4.96E-05	2.30E-05	4.82E-04	3.44E-05	1.07E-05	5.50E-04	2.19E-05	9.59E-10	4.59E-07	2.92E-07	2.27E-05
5053	477863.09	3863877.25	5.16E-05	1.20E-09	4.59E-07	2.99E-07	5.24E-05	2.43E-05	4.93E-04	3.44E-05	1.10E-05	5.63E-04	2.31E-05	9.83E-10	4.59E-07	2.99E-07	2.39E-05
5054	478363.09	3863877.25	5.39E-05	1.14E-09	4.73E-07	3.13E-07	5.47E-05	2.54E-05	4.72E-04	3.55E-05	1.15E-05	5.44E-04	2.42E-05	9.39E-10	4.73E-07	3.13E-07	2.49E-05
5055	478863.09	3863877.25	5.62E-05	1.33E-09	4.73E-07	3.09E-07	5.70E-05	2.65E-05	5.46E-04	3.55E-05	1.13E-05	6.20E-04	2.52E-05	1.09E-09	4.73E-07	3.09E-07	2.60E-05
5056	479363.09	3863877.25	5.87E-05	1.43E-09	4.83E-07	3.20E-07	5.95E-05	2.77E-05	5.91E-04	3.62E-05	1.17E-05	6.66E-04	2.63E-05	1.18E-09	4.83E-07	3.20E-07	2.71E-05
5057	479863.09	3863877.25	6.19E-05	1.51E-09	4.87E-07	3.32E-07	6.27E-05	2.92E-05	6.22E-04	3.65E-05	1.22E-05	7.00E-04	2.78E-05	1.24E-09	4.87E-07	3.32E-07	2.86E-05
5058	480363.09	3863877.25	6.55E-05	1.58E-09	4.86E-07	3.36E-07	6.63E-05	3.09E-05	6.50E-04	3.65E-05	1.23E-05	7.30E-04	2.94E-05	1.29E-09	4.86E-07	3.36E-07	3.02E-05
5059	480863.09	3863877.25	6.85E-05	1.64E-09	4.77E-07	3.32E-07	6.93E-05	3.23E-05	6.75E-04	3.58E-05	1.22E-05	7.55E-04	3.07E-05	1.34E-09	4.77E-07	3.32E-07	3.15E-05

5060	481363.09	3863877.25	6.94E-05	1.70E-09	4.42E-07	3.30E-07	7.02E-05	3.27E-05	7.01E-04	3.32E-05	1.21E-05	7.79E-04	3.11E-05	1.40E-09	4.42E-07	3.30E-07	3.19E-05
5061	481863.09	3863877.25	6.98E-05	1.77E-09	4.06E-07	3.29E-07	7.06E-05	3.29E-05	7.30E-04	3.04E-05	1.21E-05	8.06E-04	3.13E-05	1.45E-09	4.06E-07	3.29E-07	3.21E-05
5062	482363.09	3863877.25	7.20E-05	1.85E-09	3.87E-07	3.35E-07	7.27E-05	3.40E-05	7.60E-04	2.90E-05	1.23E-05	8.36E-04	3.23E-05	1.51E-09	3.87E-07	3.35E-07	3.30E-05
5063	482863.09	3863877.25	7.35E-05	1.92E-09	3.67E-07	3.42E-07	7.42E-05	3.47E-05	7.91E-04	2.76E-05	1.25E-05	8.66E-04	3.30E-05	1.58E-09	3.67E-07	3.42E-07	3.37E-05
5064	483363.09	3863877.25	7.30E-05	2.00E-09	3.40E-07	3.48E-07	7.37E-05	3.44E-05	8.24E-04	2.55E-05	1.28E-05	8.97E-04	3.27E-05	1.64E-09	3.40E-07	3.48E-07	3.34E-05
5065	483863.09	3863877.25	7.22E-05	2.09E-09	3.37E-07	3.48E-07	7.29E-05	3.41E-05	8.59E-04	2.53E-05	1.28E-05	9.31E-04	3.24E-05	1.71E-09	3.37E-07	3.48E-07	3.31E-05
5066	484363.09	3863877.25	7.23E-05	2.17E-09	4.10E-07	3.38E-07	7.31E-05	3.41E-05	8.93E-04	3.07E-05	1.24E-05	9.71E-04	3.24E-05	1.78E-09	4.10E-07	3.38E-07	3.32E-05
5067	484863.09	3863877.25	7.27E-05	2.26E-09	4.58E-07	3.17E-07	7.34E-05	3.43E-05	9.31E-04	3.44E-05	1.16E-05	1.01E-03	3.26E-05	1.86E-09	4.58E-07	3.17E-07	3.34E-05
5068	485363.09	3863877.25	6.93E-05	2.38E-09	3.55E-07	3.00E-07	7.00E-05	3.27E-05	9.82E-04	2.66E-05	1.10E-05	1.05E-03	3.11E-05	1.96E-09	3.55E-07	3.00E-07	3.18E-05
5069	485863.09	3863877.25	6.62E-05	2.51E-09	2.97E-07	3.01E-07	6.68E-05	3.12E-05	1.04E-03	2.23E-05	1.11E-05	1.10E-03	2.97E-05	2.06E-09	2.97E-07	3.01E-07	3.03E-05
5070	486363.09	3863877.25	6.41E-05	2.50E-09	3.04E-07	2.97E-07	6.47E-05	3.02E-05	1.03E-03	2.28E-05	1.09E-05	1.10E-03	2.88E-05	2.05E-09	3.04E-07	2.97E-07	2.94E-05
5071	486863.09	3863877.25	6.32E-05	2.49E-09	3.20E-07	2.88E-07	6.39E-05	2.98E-05	1.03E-03	2.40E-05	1.05E-05	1.09E-03	2.84E-05	2.04E-09	3.20E-07	2.88E-07	2.90E-05
5072	487363.09	3863877.25	6.48E-05	2.47E-09	4.05E-07	2.88E-07	6.55E-05	3.06E-05	1.02E-03	3.04E-05	1.06E-05	1.09E-03	2.91E-05	2.02E-09	4.05E-07	2.88E-07	2.98E-05
5073	487863.09	3863877.25	6.75E-05	2.47E-09	4.55E-07	3.05E-07	6.83E-05	3.19E-05	1.02E-03	3.41E-05	1.12E-05	1.09E-03	3.03E-05	2.03E-09	4.55E-07	3.05E-07	3.11E-05
5074	488363.09	3863877.25	6.86E-05	2.43E-09	4.22E-07	3.18E-07	6.94E-05	3.24E-05	1.00E-03	3.16E-05	1.17E-05	1.08E-03	3.08E-05	2.00E-09	4.22E-07	3.18E-07	3.15E-05
5075	488863.09	3863877.25	6.69E-05	2.41E-09	3.10E-07	2.97E-07	6.75E-05	3.16E-05	9.91E-04	2.33E-05	1.09E-05	1.06E-03	3.00E-05	1.97E-09	3.10E-07	2.97E-07	3.06E-05
5076	489363.09	3863877.25	6.46E-05	2.45E-09	2.86E-07	2.92E-07	6.52E-05	3.05E-05	1.01E-03	2.14E-05	1.07E-05	1.07E-03	2.90E-05	2.01E-09	2.86E-07	2.92E-07	2.96E-05
5077	489863.09	3863877.25	6.56E-05	2.49E-09	2.64E-07	2.93E-07	6.62E-05	3.10E-05	1.03E-03	1.98E-05	1.07E-05	1.09E-03	2.94E-05	2.05E-09	2.64E-07	2.93E-07	3.00E-05
5078	490363.09	3863877.25	6.87E-05	2.50E-09	2.38E-07	3.11E-07	6.92E-05	3.24E-05	1.03E-03	1.79E-05	1.14E-05	1.09E-03	3.08E-05	2.05E-09	2.38E-07	3.11E-07	3.14E-05
5079	490863.09	3863877.25	6.99E-05	2.55E-09	2.65E-07	3.32E-07	7.05E-05	3.30E-05	1.05E-03	1.99E-05	1.22E-05	1.11E-03	3.14E-05	2.09E-09	2.65E-07	3.32E-07	3.20E-05
5080	491363.09	3863877.25	6.94E-05	2.60E-09	3.32E-07	3.35E-07	7.00E-05	3.27E-05	1.07E-03	2.49E-05	1.23E-05	1.14E-03	3.11E-05	2.14E-09	3.32E-07	3.35E-07	3.18E-05
5081	491863.09	3863877.25	7.29E-05	2.69E-09	4.27E-07	3.43E-07	7.36E-05	3.44E-05	1.11E-03	3.20E-05	1.26E-05	1.19E-03	3.27E-05	2.20E-09	4.27E-07	3.43E-07	3.35E-05
5082	492363.09	3863877.25	7.58E-05	2.68E-09	4.95E-07	3.40E-07	7.66E-05	3.57E-05	1.10E-03	3.71E-05	1.25E-05	1.19E-03	3.40E-05	2.20E-09	4.95E-07	3.40E-07	3.48E-05
5083	492863.09	3863877.25	7.50E-05	2.47E-09	4.92E-07	3.43E-07	7.58E-05	3.54E-05	1.02E-03	3.69E-05	1.26E-05	1.10E-03	3.36E-05	2.02E-09	4.92E-07	3.43E-07	3.45E-05
5084	493363.09	3863877.25	7.64E-05	2.38E-09	4.71E-07	3.30E-07	7.72E-05	3.60E-05	9.81E-04	3.53E-05	1.21E-05	1.06E-03	3.43E-05	1.95E-09	4.71E-07	3.30E-07	3.51E-05
5085	493863.09	3863877.25	8.02E-05	2.39E-09	4.69E-07	3.17E-07	8.10E-05	3.78E-05	9.84E-04	3.52E-05	1.16E-05	1.07E-03	3.60E-05	1.96E-09	4.69E-07	3.17E-07	3.68E-05
5086	494363.09	3863877.25	8.09E-05	2.45E-09	5.20E-07	3.15E-07	8.18E-05	3.82E-05	1.01E-03	3.90E-05	1.16E-05	1.10E-03	3.63E-05	2.01E-09	5.20E-07	3.15E-07	3.71E-05
5087	494863.09	3863877.25	7.78E-05	2.52E-09	5.35E-07	3.21E-07	7.87E-05	3.67E-05	1.04E-03	4.01E-05	1.18E-05	1.13E-03	3.49E-05	2.07E-09	5.35E-07	3.21E-07	3.58E-05
5088	495363.09	3863877.25	7.35E-05	2.57E-09	4.94E-07	3.28E-07	7.43E-05	3.46E-05	1.06E-03	3.71E-05	1.20E-05	1.14E-03	3.29E-05	2.11E-09	4.94E-07	3.28E-07	3.38E-05
5089	495863.09	3863877.25	7.07E-05	2.59E-09	4.54E-07	3.32E-07	7.14E-05	3.33E-05	1.07E-03	3.41E-05	1.22E-05	1.15E-03	3.17E-05	2.13E-09	4.54E-07	3.32E-07	3.25E-05
5090	496363.09	3863877.25	6.90E-05	2.63E-09	4.27E-07	3.38E-07	6.98E-05	3.26E-05	1.08E-03	3.20E-05	1.24E-05	1.16E-03	3.10E-05	2.16E-09	4.27E-07	3.38E-07	3.17E-05
5091	496863.09	3863877.25	6.83E-05	2.62E-09	4.35E-07	3.27E-07	6.91E-05	3.22E-05	1.08E-03	3.27E-05	1.20E-05	1.16E-03	3.06E-05	2.15E-09	4.35E-07	3.27E-07	3.14E-05
5092	497363.09	3863877.25	6.77E-05	2.57E-09	4.59E-07	3.20E-07	6.85E-05	3.19E-05	1.06E-03	3.44E-05	1.17E-05	1.14E-03	3.04E-05	2.11E-09	4.59E-07	3.20E-07	3.11E-05
5093	497863.09	3863877.25	6.76E-05	2.52E-09	4.79E-07	3.17E-07	6.84E-05	3.19E-05	1.04E-03	3.59E-05	1.16E-05	1.12E-03	3.03E-05	2.07E-09	4.79E-07	3.17E-07	3.11E-05
5094	498363.09	3863877.25	6.81E-05	2.44E-09	4.75E-07	3.13E-07	6.89E-05	3.21E-05	1.01E-03	3.56E-05	1.15E-05	1.09E-03	3.06E-05	2.01E-09	4.75E-07	3.13E-07	3.13E-05
5095	471363.09	3864377.25	3.44E-05	6.42E-10	3.55E-07	2.45E-07	3.50E-05	1.62E-05	2.64E-04	2.67E-05	8.97E-06	3.16E-04	1.54E-05	5.26E-10	3.55E-07	2.45E-07	1.60E-05
5096	471863.09	3864377.25	3.48E-05	6.63E-10	3.53E-07	2.49E-07	3.54E-05	1.64E-05	2.73E-04	2.65E-05	9.12E-06	3.25E-04	1.56E-05	5.44E-10	3.53E-07	2.49E-07	1.62E-05
5097	472363.09	3864377.25	3.51E-05	6.90E-10	3.47E-07	2.52E-07	3.57E-05	1.66E-05	2.84E-04	2.60E-05	9.25E-06	3.36E-04	1.58E-05	5.66E-10	3.47E-07	2.52E-07	1.64E-05
5098	472863.09	3864377.25	3.53E-05	7.19E-10	3.43E-07	2.55E-07	3.59E-05	1.67E-05	2.96E-04	2.57E-05	9.35E-06	3.48E-04	1.59E-05	5.90E-10	3.43E-07	2.55E-07	1.65E-05
5099	473363.09	3864377.25	3.55E-05	7.56E-10	3.45E-07	2.58E-07	3.61E-05	1.67E-05	3.12E-04	2.59E-05	9.47E-06	3.64E-04	1.59E-05	6.21E-10	3.45E-07	2.58E-07	1.65E-05
5100	473863.09	3864377.25	3.59E-05	7.94E-10	3.53E-07	2.61E-07	3.65E-05	1.69E-05	3.27E-04	2.65E-05	9.57E-06	3.80E-04	1.61E-05	6.52E-10	3.53E-07	2.61E-07	1.67E-05
5101	474363.09	3864377.25	3.67E-05	8.35E-10	3.64E-07	2.63E-07	3.73E-05	1.73E-05	3.44E-04	2.73E-05	9.63E-06	3.98E-04	1.64E-05	6.85E-10	3.64E-07	2.63E-07	1.71E-05
5102	474863.09	3864377.25	3.75E-05	8.83E-10	3.83E-07	2.63E-07	3.82E-05	1.77E-05	3.64E-04	2.87E-05	9.66E-06	4.20E-04	1.68E-05	7.25E-10	3.83E-07	2.63E-07	1.75E-05
5103	475363.09	3864377.25	3.88E-05	9.29E-10	4.06E-07	2.64E-07	3.94E-05	1.83E-05	3.83E-04	3.04E-05	9.69E-06	4.41E-04	1.74E-05	7.62E-10	4.06E-07	2.64E-07	1.81E-05
5104	475863.09	3864377.25	4.02E-05	9.75E-10	4.21E-07	2.66E-07	4.09E-05	1.90E-05	4.02E-04	3.16E-05	9.76E-06	4.62E-04	1.80E-05	8.00E-10	4.21E-07	2.66E-07	1.87E-05
5105	476363.09	3864377.25	4.19E-05	1.01E-09	4.33E-07	2.69E-07	4.27E-05	1.98E-05	4.18E-04	3.25E-05	9.85E-06	4.80E-04	1.88E-05	8.33E-10	4.33E-07	2.69E-07	1.95E-05
5106	476863.09	3864377.25	4.40E-05	1.05E-09	4.37E-07	2.73E-07	4.47E-05	2.08E-05	4.34E-04	3.28E-05	1.00E-05	4.98E-04	1.97E-05	8.65E-10	4.37E-07	2.73E-07	2.05E-05
5107	477363.09	3864377.25	4.61E-05	1.11E-09	4.38E-07	2.78E-07	4.68E-05	2.17E-05	4.56E-04	3.28E-05	1.02E-05	5.21E-04	2.07E-05	9.09E-10	4.38E-07	2.78E-07	2.14E-05
5108	477863.09	3864377.25	4.80E-05	1.16E-09	4.38E-07	2.83E-07	4.87E-05	2.26E-05	4.78E-04	3.28E-05	1.04E-05	5.44E-04	2.15E-05	9.53E-10	4.38E-07	2.83E-07	2.22E-05
5109	478363.09	3864377.25	4.97E-05	1.22E-09	4.42E-07	2.90E-07	5.05E-05	2.35E-05	5.03E-04	3.32E-05	1.06E-05	5.70E-04	2.23E-05	1.00E-09	4.42E-07	2.90E-07	2.30E-05
5110	478863.09	3864377.25	5.21E-05	1.28E-09	4.48E-07	3.01E-07	5.28E-05	2.46E-05	5.26E-04	3.36E-05	1.11E-05	5.96E-04	2.34E-05	1.05E-09	4.48E-07	3.01E-07	2.41E-05
5111	479363.09	3864377.25	5.49E-05	1.33E-09	4.51E-07	3.13E-07	5.56E-05	2.59E-05	5.49E-04	3.38E-05	1.15E-05	6.20E-04	2.46E-05	1.09E-09	4.51E-07	3.13E-07	2.54E-05
5112	479863.09	3864377.25	5.82E-05	1.38E-09	4.53E-07	3.18E-07	5.89E-05	2.74E-05	5.69E-04	3.40E-05	1.17E-05	6.42E-04	2.61E-05	1.13E-09	4.53E-07	3.18E-07	2.69E-05
5113	480363.09	3864377.25	6.12E-05	1.43E-09	4.40E-07	3.15E-07	6.20E-05	2.89E-05	5.87E-04	3.30E-05	1.16E-05	6.61E-04	2.74E-05	1.17E-09	4.40E-07	3.15E-07	2.82E-05
5114	480863.09	3864377.25	6.24E-05	1.47E-09	4.02E-07	3.07E-07	6.31E-05	2.94E-05	6.06E-04	3.02E-05	1.12E-05	6.77E-04	2.80E-05	1.21E-09	4.02E-07	3.07E-07	2.87E-05
5115	481363.09	3864377.25	6.26E-05	1.52E-09	3.71E-07	3.01E-07	6.32E-05	2.95E-05	6.26E-04	2.78E-05	1.11E-05	6.94E-04	2.81E-05	1.25E-09	3.71E-07	3.01E-07	2.87E-05
5116	481863.09	3864377.25	6.35E-05	1.58E-09	3.53E-07	3.02E-07	6.42E-05	2.99E-05	6.51E-04	2.65E-05	1.11E-05	7.19E-04	2.85E-05	1.30E-09	3.53E-07	3.02E-07	2.91E-05
5117	482363.09	3864377.25	6.52E-05	1.65E-09	3.39E-07	3.07E-07	6.58E-05	3.08E-05	6.79E-04	2.55E-05	1.12E-05	7.47E-04	2.92E-05	1.35E-09	3.39E-07	3.07E-07	2.99E-05
5118	482863.09	3864377.25	6.59E-05	1.72E-09	3.17E-07	3.10E-07	6.65E-05	3.11E-05	7.08E-04	2.38E-05	1.14E-05	7.74E-04	2.95E-05	1.41E-09	3.17E-07	3.10E-07	3.02E-05
5119	483363.09	3864377.25	6.49E-05	1.79E-09	3.04E-07	3.13E-07	6.56E-05	3.06E-05	7.39E-04	2.28E-05	1.15E-05	8.04E-04	2.91E-05	1.47E-09	3.04E-07	3.13E-07	2.97E-05
5120	483863.09	3864377.25	6.45E-05	1.86E-09	3.55E-07	3.13E-07	6.51E-05	3.04E-05	7.67E-04	2.66E-05	1.15E-05	8.36E-04	2.89E-05	1.53E-09	3.55E-07	3.13E-07	2.96E-05

5121	484363.09	3864377.25	6.54E-05	1.91E-09	4.40E-07	3.03E-07	6.62E-05	3.09E-05	7.88E-04	3.30E-05	1.11E-05	8.63E-04	2.93E-05	1.57E-09	4.40E-07	3.03E-07	3.01E-05
5122	484863.09	3864377.25	6.52E-05	1.98E-09	3.98E-07	2.83E-07	6.58E-05	3.07E-05	8.15E-04	2.99E-05	1.04E-05	8.86E-04	2.92E-05	1.62E-09	3.98E-07	2.83E-07	2.99E-05
5123	485363.09	3864377.25	6.20E-05	2.09E-09	2.95E-07	2.77E-07	6.26E-05	2.93E-05	8.59E-04	2.21E-05	1.02E-05	9.21E-04	2.78E-05	1.71E-09	2.95E-07	2.77E-07	2.84E-05
5124	485863.09	3864377.25	5.94E-05	2.15E-09	2.87E-07	2.80E-07	6.00E-05	2.80E-05	8.86E-04	2.15E-05	1.03E-05	9.46E-04	2.66E-05	1.76E-09	2.87E-07	2.80E-07	2.72E-05
5125	486363.09	3864377.25	5.77E-05	2.12E-09	2.84E-07	2.69E-07	5.82E-05	2.72E-05	8.74E-04	2.13E-05	9.85E-06	9.33E-04	2.59E-05	1.74E-09	2.84E-07	2.69E-07	2.64E-05
5126	486863.09	3864377.25	5.66E-05	2.12E-09	3.11E-07	2.65E-07	5.72E-05	2.67E-05	8.75E-04	2.33E-05	9.72E-06	9.35E-04	2.54E-05	1.74E-09	3.11E-07	2.65E-07	2.60E-05
5127	487363.09	3864377.25	5.80E-05	2.08E-09	3.92E-07	2.66E-07	5.86E-05	2.73E-05	8.58E-04	2.94E-05	9.76E-06	9.25E-04	2.60E-05	1.71E-09	3.92E-07	2.66E-07	2.67E-05
5128	487863.09	3864377.25	6.07E-05	2.08E-09	4.31E-07	2.79E-07	6.14E-05	2.86E-05	8.55E-04	3.23E-05	1.02E-05	9.26E-04	2.72E-05	1.70E-09	4.31E-07	2.79E-07	2.79E-05
5129	488363.09	3864377.25	6.21E-05	2.05E-09	3.99E-07	2.87E-07	6.28E-05	2.93E-05	8.46E-04	2.99E-05	1.05E-05	9.16E-04	2.78E-05	1.69E-09	3.99E-07	2.87E-07	2.85E-05
5130	488863.09	3864377.25	6.13E-05	2.04E-09	2.99E-07	2.69E-07	6.19E-05	2.89E-05	8.40E-04	2.24E-05	9.85E-06	9.01E-04	2.75E-05	1.67E-09	2.99E-07	2.69E-07	2.81E-05
5131	489363.09	3864377.25	5.89E-05	2.06E-09	2.68E-07	2.63E-07	5.94E-05	2.78E-05	8.50E-04	2.01E-05	9.63E-06	9.07E-04	2.64E-05	1.69E-09	2.68E-07	2.63E-07	2.69E-05
5132	489863.09	3864377.25	5.83E-05	2.10E-09	2.61E-07	2.63E-07	5.89E-05	2.75E-05	8.65E-04	1.96E-05	9.63E-06	9.22E-04	2.62E-05	1.72E-09	2.61E-07	2.63E-07	2.67E-05
5133	490363.09	3864377.25	6.06E-05	2.12E-09	2.25E-07	2.73E-07	6.11E-05	2.86E-05	8.72E-04	1.69E-05	1.00E-05	9.27E-04	2.72E-05	1.74E-09	2.25E-07	2.73E-07	2.77E-05
5134	490863.09	3864377.25	6.36E-05	2.14E-09	2.30E-07	2.94E-07	6.41E-05	3.00E-05	8.83E-04	1.73E-05	1.08E-05	9.41E-04	2.85E-05	1.76E-09	2.30E-07	2.94E-07	2.90E-05
5135	491363.09	3864377.25	6.58E-05	2.18E-09	2.89E-07	3.18E-07	6.64E-05	3.11E-05	8.97E-04	2.17E-05	1.17E-05	9.62E-04	2.95E-05	1.79E-09	2.89E-07	3.18E-07	3.01E-05
5136	491863.09	3864377.25	4.87E-05	8.32E-10	3.23E-07	3.13E-07	4.94E-05	2.30E-05	3.43E-04	2.42E-05	1.15E-05	4.01E-04	2.18E-05	6.83E-10	3.23E-07	3.13E-07	2.25E-05
5137	492363.09	3864377.25	6.81E-05	1.71E-09	4.41E-07	3.49E-07	6.89E-05	3.21E-05	7.04E-04	3.31E-05	1.28E-05	7.82E-04	3.06E-05	1.40E-09	4.41E-07	3.49E-07	3.14E-05
5138	492863.09	3864377.25	6.05E-05	1.16E-09	5.71E-07	3.21E-07	6.14E-05	2.85E-05	4.78E-04	4.28E-05	1.18E-05	5.61E-04	2.71E-05	9.52E-10	5.71E-07	3.21E-07	2.80E-05
5139	493363.09	3864377.25	6.29E-05	1.64E-09	6.30E-07	3.33E-07	6.39E-05	2.97E-05	6.77E-04	4.73E-05	1.22E-05	7.66E-04	2.82E-05	1.35E-09	6.30E-07	3.33E-07	2.92E-05
5140	493863.09	3864377.25	6.75E-05	1.88E-09	4.46E-07	3.06E-07	6.83E-05	3.19E-05	7.73E-04	3.34E-05	1.12E-05	8.49E-04	3.03E-05	1.54E-09	4.46E-07	3.06E-07	3.10E-05
5141	494363.09	3864377.25	7.23E-05	1.97E-09	4.30E-07	2.88E-07	7.30E-05	3.41E-05	8.11E-04	3.23E-05	1.06E-05	8.88E-04	3.24E-05	1.62E-09	4.30E-07	2.88E-07	3.32E-05
5142	494863.09	3864377.25	7.33E-05	2.04E-09	4.76E-07	2.84E-07	7.41E-05	3.46E-05	8.40E-04	3.57E-05	1.04E-05	9.21E-04	3.29E-05	1.67E-09	4.76E-07	2.84E-07	3.36E-05
5143	495363.09	3864377.25	7.09E-05	2.09E-09	4.96E-07	2.88E-07	7.17E-05	3.34E-05	8.62E-04	3.72E-05	1.06E-05	9.43E-04	3.18E-05	1.72E-09	4.96E-07	2.88E-07	3.26E-05
5144	495863.09	3864377.25	6.71E-05	2.15E-09	4.64E-07	2.95E-07	6.79E-05	3.17E-05	8.84E-04	3.48E-05	1.08E-05	9.61E-04	3.01E-05	1.76E-09	4.64E-07	2.95E-07	3.09E-05
5145	496363.09	3864377.25	6.40E-05	2.19E-09	4.23E-07	3.01E-07	6.47E-05	3.02E-05	9.03E-04	3.17E-05	1.11E-05	9.76E-04	2.87E-05	1.80E-09	4.23E-07	3.01E-07	2.94E-05
5146	496863.09	3864377.25	6.26E-05	2.22E-09	4.00E-07	3.07E-07	6.34E-05	2.95E-05	9.16E-04	3.00E-05	1.12E-05	9.86E-04	2.81E-05	1.82E-09	4.00E-07	3.07E-07	2.88E-05
5147	497363.09	3864377.25	6.20E-05	2.24E-09	3.99E-07	3.03E-07	6.28E-05	2.93E-05	9.25E-04	2.99E-05	1.11E-05	9.95E-04	2.78E-05	1.84E-09	3.99E-07	3.03E-07	2.85E-05
5148	497863.09	3864377.25	6.25E-05	2.25E-09	4.30E-07	3.04E-07	6.33E-05	2.95E-05	9.26E-04	3.23E-05	1.11E-05	9.99E-04	2.80E-05	1.84E-09	4.30E-07	3.04E-07	2.88E-05
5149	498363.09	3864377.25	6.15E-05	2.21E-09	4.41E-07	2.90E-07	6.23E-05	2.90E-05	9.10E-04	3.30E-05	1.06E-05	9.83E-04	2.76E-05	1.81E-09	4.41E-07	2.90E-07	2.83E-05
5150	471363.09	3864877.25	3.17E-05	6.24E-10	3.23E-07	2.38E-07	3.22E-05	1.49E-05	2.57E-04	2.42E-05	8.71E-06	3.05E-04	1.42E-05	5.12E-10	3.23E-07	2.38E-07	1.48E-05
5151	471863.09	3864877.25	3.18E-05	6.48E-10	3.19E-07	2.40E-07	3.24E-05	1.50E-05	2.67E-04	2.39E-05	8.81E-06	3.15E-04	1.43E-05	5.31E-10	3.19E-07	2.40E-07	1.48E-05
5152	472363.09	3864877.25	3.19E-05	6.75E-10	3.20E-07	2.43E-07	3.25E-05	1.51E-05	2.78E-04	2.40E-05	8.90E-06	3.26E-04	1.43E-05	5.54E-10	3.20E-07	2.43E-07	1.49E-05
5153	472863.09	3864877.25	3.23E-05	7.06E-10	3.26E-07	2.45E-07	3.29E-05	1.52E-05	2.91E-04	2.44E-05	9.00E-06	3.39E-04	1.45E-05	5.79E-10	3.26E-07	2.45E-07	1.50E-05
5154	473363.09	3864877.25	3.27E-05	7.43E-10	3.43E-07	2.48E-07	3.33E-05	1.54E-05	3.06E-04	2.57E-05	9.09E-06	3.56E-04	1.47E-05	6.10E-10	3.43E-07	2.48E-07	1.53E-05
5155	473863.09	3864877.25	3.35E-05	7.81E-10	3.56E-07	2.50E-07	3.41E-05	1.58E-05	3.22E-04	2.67E-05	9.16E-06	3.74E-04	1.50E-05	6.41E-10	3.56E-07	2.50E-07	1.56E-05
5156	474363.09	3864877.25	3.45E-05	8.19E-10	3.74E-07	2.51E-07	3.51E-05	1.63E-05	3.37E-04	2.81E-05	9.19E-06	3.91E-04	1.55E-05	6.72E-10	3.74E-07	2.51E-07	1.61E-05
5157	474863.09	3864877.25	3.56E-05	8.56E-10	3.89E-07	2.51E-07	3.62E-05	1.68E-05	3.53E-04	2.91E-05	9.22E-06	4.08E-04	1.59E-05	7.03E-10	3.89E-07	2.51E-07	1.66E-05
5158	475363.09	3864877.25	3.68E-05	8.89E-10	3.97E-07	2.52E-07	3.74E-05	1.73E-05	3.66E-04	2.98E-05	9.25E-06	4.23E-04	1.65E-05	7.30E-10	3.97E-07	2.52E-07	1.71E-05
5159	475863.09	3864877.25	3.81E-05	9.21E-10	3.99E-07	2.54E-07	3.87E-05	1.80E-05	3.80E-04	2.99E-05	9.31E-06	4.37E-04	1.71E-05	7.56E-10	3.99E-07	2.54E-07	1.77E-05
5160	476363.09	3864877.25	3.97E-05	9.56E-10	4.01E-07	2.57E-07	4.04E-05	1.87E-05	3.94E-04	3.01E-05	9.41E-06	4.52E-04	1.78E-05	7.84E-10	4.01E-07	2.57E-07	1.85E-05
5161	476863.09	3864877.25	4.17E-05	9.95E-10	4.10E-07	2.61E-07	4.24E-05	1.97E-05	4.10E-04	3.07E-05	9.57E-06	4.70E-04	1.87E-05	8.16E-10	4.10E-07	2.61E-07	1.94E-05
5162	477363.09	3864877.25	4.34E-05	1.04E-09	4.08E-07	2.67E-07	4.40E-05	2.04E-05	4.29E-04	3.06E-05	9.79E-06	4.90E-04	1.94E-05	8.55E-10	4.08E-07	2.67E-07	2.01E-05
5163	477863.09	3864877.25	4.48E-05	1.09E-09	4.11E-07	2.74E-07	4.55E-05	2.11E-05	4.50E-04	3.08E-05	1.00E-05	5.12E-04	2.01E-05	8.97E-10	4.11E-07	2.74E-07	2.08E-05
5164	478363.09	3864877.25	4.66E-05	1.14E-09	4.16E-07	2.82E-07	4.73E-05	2.20E-05	4.70E-04	3.12E-05	1.04E-05	5.34E-04	2.09E-05	9.36E-10	4.16E-07	2.82E-07	2.16E-05
5165	478863.09	3864877.25	4.91E-05	1.18E-09	4.21E-07	2.93E-07	4.98E-05	2.31E-05	4.88E-04	3.16E-05	1.07E-05	5.53E-04	2.20E-05	9.72E-10	4.21E-07	2.93E-07	2.27E-05
5166	479363.09	3864877.25	5.18E-05	1.22E-09	4.18E-07	2.98E-07	5.25E-05	2.44E-05	5.02E-04	3.14E-05	1.09E-05	5.69E-04	2.32E-05	1.00E-09	4.18E-07	2.98E-07	2.39E-05
5167	479863.09	3864877.25	5.44E-05	1.25E-09	4.00E-07	2.94E-07	5.51E-05	2.57E-05	5.14E-04	3.00E-05	1.08E-05	5.80E-04	2.44E-05	1.02E-09	4.00E-07	2.94E-07	2.51E-05
5168	480363.09	3864877.25	5.64E-05	1.28E-09	3.71E-07	2.88E-07	5.71E-05	2.66E-05	5.27E-04	2.78E-05	1.06E-05	5.92E-04	2.53E-05	1.05E-09	3.71E-07	2.88E-07	2.60E-05
5169	480863.09	3864877.25	5.68E-05	1.32E-09	3.41E-07	2.80E-07	5.74E-05	2.68E-05	5.44E-04	2.56E-05	1.03E-05	6.06E-04	2.55E-05	1.08E-09	3.41E-07	2.80E-07	2.61E-05
5170	481363.09	3864877.25	5.70E-05	1.37E-09	3.26E-07	2.77E-07	5.76E-05	2.69E-05	5.66E-04	2.44E-05	1.02E-05	6.27E-04	2.56E-05	1.13E-09	3.26E-07	2.77E-07	2.62E-05
5171	481863.09	3864877.25	5.79E-05	1.43E-09	3.13E-07	2.76E-07	5.85E-05	2.73E-05	5.91E-04	2.35E-05	1.01E-05	6.52E-04	2.60E-05	1.18E-09	3.13E-07	2.76E-07	2.65E-05
5172	482363.09	3864877.25	5.91E-05	1.49E-09	2.96E-07	2.77E-07	5.96E-05	2.79E-05	6.14E-04	2.22E-05	1.02E-05	6.74E-04	2.65E-05	1.22E-09	2.96E-07	2.77E-07	2.71E-05
5173	482863.09	3864877.25	5.92E-05	1.55E-09	2.82E-07	2.81E-07	5.98E-05	2.79E-05	6.40E-04	2.12E-05	1.03E-05	7.00E-04	2.66E-05	1.28E-09	2.82E-07	2.81E-07	2.71E-05
5174	483363.09	3864877.25	5.83E-05	1.62E-09	3.11E-07	2.87E-07	5.89E-05	2.75E-05	6.69E-04	2.33E-05	1.05E-05	7.31E-04	2.62E-05	1.33E-09	3.11E-07	2.87E-07	2.68E-05
5175	483863.09	3864877.25	5.83E-05	1.66E-09	3.95E-07	2.87E-07	5.90E-05	2.75E-05	6.86E-04	2.97E-05	1.05E-05	7.53E-04	2.62E-05	1.37E-09	3.95E-07	2.87E-07	2.68E-05
5176	484363.09	3864877.25	5.95E-05	1.69E-09	4.22E-07	2.74E-07	6.02E-05	2.81E-05	6.97E-04	3.16E-05	1.00E-05	7.67E-04	2.67E-05	1.39E-09	4.22E-07	2.74E-07	2.74E-05
5177	484863.09	3864877.25	5.89E-05	1.76E-09	3.27E-07	2.63E-07	5.95E-05	2.78E-05	7.24E-04	2.46E-05	9.63E-06	7.86E-04	2.64E-05	1.44E-09	3.27E-07	2.63E-07	2.70E-05
5178	485363.09	3864877.25	5.62E-05	1.84E-09	2.66E-07	2.64E-07	5.67E-05	2.65E-05	7.57E-04	2.00E-05	9.69E-06	8.13E-04	2.52E-05	1.51E-09	2.66E-07	2.64E-07	2.57E-05
5179	485863.09	3864877.25	5.39E-05	1.85E-09	2.79E-07	2.57E-07	5.45E-05	2.54E-05	7.60E-04	2.09E-05	9.41E-06	8.16E-04	2.42E-05	1.51E-09	2.79E-07	2.57E-07	2.47E-05
5180	486363.09	3864877.25	5.21E-05	1.83E-09	2.65E-07	2.48E-07	5.26E-05	2.46E-05	7.55E-04	1.99E-05	9.09E-06	8.09E-04	2.34E-05	1.50E-09	2.65E-07	2.48E-07	2.39E-05
5181	486863.09	3864877.25	5.10E-05	1.84E-09	3.05E-07	2.48E-07	5.15E-05	2.40E-05	7.58E-04	2.29E-05	9.09E-06	8.14E-04	2.29E-05	1.51E-09	3.05E-07	2.48E-07	2.34E-05

5182	487363.09	3864877.25	5.20E-05	1.79E-09	3.79E-07	2.48E-07	5.26E-05	2.45E-05	7.38E-04	2.84E-05	9.09E-06	8.00E-04	2.33E-05	1.47E-09	3.79E-07	2.48E-07	2.39E-05
5183	487863.09	3864877.25	5.47E-05	1.77E-09	4.08E-07	2.57E-07	5.53E-05	2.58E-05	7.31E-04	3.06E-05	9.44E-06	7.97E-04	2.45E-05	1.46E-09	4.08E-07	2.57E-07	2.52E-05
5184	488363.09	3864877.25	5.64E-05	1.76E-09	3.79E-07	2.63E-07	5.71E-05	2.66E-05	7.25E-04	2.84E-05	9.63E-06	7.89E-04	2.53E-05	1.44E-09	3.79E-07	2.63E-07	2.60E-05
5185	488863.09	3864877.25	5.64E-05	1.75E-09	2.87E-07	2.46E-07	5.69E-05	2.66E-05	7.23E-04	2.16E-05	9.03E-06	7.80E-04	2.53E-05	1.44E-09	2.87E-07	2.46E-07	2.58E-05
5186	489363.09	3864877.25	5.43E-05	1.78E-09	2.52E-07	2.39E-07	5.48E-05	2.56E-05	7.32E-04	1.89E-05	8.75E-06	7.85E-04	2.44E-05	1.46E-09	2.52E-07	2.39E-07	2.49E-05
5187	489863.09	3864877.25	5.28E-05	1.80E-09	2.57E-07	2.39E-07	5.33E-05	2.49E-05	7.42E-04	1.93E-05	8.78E-06	7.94E-04	2.37E-05	1.48E-09	2.57E-07	2.39E-07	2.42E-05
5188	490363.09	3864877.25	5.38E-05	1.82E-09	2.22E-07	2.45E-07	5.43E-05	2.54E-05	7.48E-04	1.66E-05	8.97E-06	7.99E-04	2.41E-05	1.49E-09	2.22E-07	2.45E-07	2.46E-05
5189	490863.09	3864877.25	5.97E-05	1.70E-09	2.10E-07	2.60E-07	6.02E-05	2.82E-05	7.01E-04	1.58E-05	9.54E-06	7.54E-04	2.68E-05	1.40E-09	2.10E-07	2.60E-07	2.72E-05
5190	491363.09	3864877.25	6.04E-05	1.85E-09	2.45E-07	2.85E-07	6.09E-05	2.85E-05	7.63E-04	1.84E-05	1.05E-05	8.20E-04	2.71E-05	1.52E-09	2.45E-07	2.85E-07	2.76E-05
5191	491863.09	3864877.25	6.03E-05	1.68E-09	2.82E-07	3.01E-07	6.09E-05	2.85E-05	6.93E-04	2.11E-05	1.11E-05	7.53E-04	2.71E-05	1.38E-09	2.82E-07	3.01E-07	2.76E-05
5192	492363.09	3864877.25	2.99E-05	5.28E-10	3.03E-07	2.44E-07	3.04E-05	1.41E-05	2.17E-04	2.27E-05	8.94E-06	2.63E-04	1.34E-05	4.33E-10	3.03E-07	2.44E-07	1.40E-05
5193	492863.09	3864877.25	4.36E-05	7.29E-10	4.11E-07	2.64E-07	4.43E-05	2.06E-05	3.00E-04	3.08E-05	9.69E-06	3.61E-04	1.96E-05	5.98E-10	4.11E-07	2.64E-07	2.02E-05
5194	493363.09	3864877.25	4.14E-05	7.55E-10	4.35E-07	2.60E-07	4.21E-05	1.95E-05	3.11E-04	3.26E-05	9.54E-06	3.73E-04	1.86E-05	6.20E-10	4.35E-07	2.60E-07	1.93E-05
5195	493863.09	3864877.25	5.72E-05	1.53E-09	5.49E-07	3.05E-07	5.81E-05	2.70E-05	6.29E-04	4.12E-05	1.12E-05	7.08E-04	2.57E-05	1.25E-09	5.49E-07	3.05E-07	2.65E-05
5196	494363.09	3864877.25	6.18E-05	1.70E-09	4.07E-07	2.82E-07	6.24E-05	2.91E-05	7.02E-04	3.05E-05	1.04E-05	7.72E-04	2.77E-05	1.40E-09	4.07E-07	2.82E-07	2.84E-05
5197	494863.09	3864877.25	6.55E-05	1.71E-09	4.01E-07	2.66E-07	6.62E-05	3.09E-05	7.05E-04	3.00E-05	9.76E-06	7.76E-04	2.94E-05	1.40E-09	4.01E-07	2.66E-07	3.00E-05
5198	495363.09	3864877.25	6.66E-05	1.74E-09	4.41E-07	2.59E-07	6.73E-05	3.14E-05	7.17E-04	3.31E-05	9.50E-06	7.91E-04	2.99E-05	1.43E-09	4.41E-07	2.59E-07	3.06E-05
5199	495863.09	3864877.25	6.46E-05	1.80E-09	4.71E-07	2.63E-07	6.53E-05	3.04E-05	7.40E-04	3.53E-05	9.63E-06	8.15E-04	2.90E-05	1.47E-09	4.71E-07	2.63E-07	2.97E-05
5200	496363.09	3864877.25	6.16E-05	1.81E-09	4.36E-07	2.68E-07	6.23E-05	2.91E-05	7.47E-04	3.27E-05	9.82E-06	8.19E-04	2.76E-05	1.49E-09	4.36E-07	2.68E-07	2.83E-05
5201	496863.09	3864877.25	5.87E-05	1.86E-09	3.96E-07	2.74E-07	5.94E-05	2.77E-05	7.65E-04	2.97E-05	1.00E-05	8.33E-04	2.63E-05	1.52E-09	3.96E-07	2.74E-07	2.70E-05
5202	497363.09	3864877.25	5.70E-05	1.90E-09	3.76E-07	2.80E-07	5.77E-05	2.69E-05	7.82E-04	2.82E-05	1.03E-05	8.47E-04	2.56E-05	1.56E-09	3.76E-07	2.80E-07	2.62E-05
5203	497863.09	3864877.25	5.68E-05	1.92E-09	3.78E-07	2.82E-07	5.74E-05	2.68E-05	7.93E-04	2.83E-05	1.03E-05	8.58E-04	2.55E-05	1.58E-09	3.78E-07	2.82E-07	2.61E-05
5204	498363.09	3864877.25	5.66E-05	1.95E-09	3.85E-07	2.79E-07	5.73E-05	2.67E-05	8.02E-04	2.89E-05	1.02E-05	8.68E-04	2.54E-05	1.60E-09	3.85E-07	2.79E-07	2.60E-05
5205	471363.09	3865377.25	2.89E-05	6.10E-10	3.02E-07	2.29E-07	2.94E-05	1.36E-05	2.51E-04	2.26E-05	8.40E-06	2.96E-04	1.29E-05	5.01E-10	3.02E-07	2.29E-07	1.35E-05
5206	471863.09	3865377.25	2.91E-05	6.36E-10	3.09E-07	2.32E-07	2.96E-05	1.37E-05	2.62E-04	2.32E-05	8.49E-06	3.07E-04	1.30E-05	5.22E-10	3.09E-07	2.32E-07	1.36E-05
5207	472363.09	3865377.25	2.96E-05	6.65E-10	3.21E-07	2.34E-07	3.01E-05	1.39E-05	2.74E-04	2.41E-05	8.59E-06	3.21E-04	1.33E-05	5.46E-10	3.21E-07	2.34E-07	1.38E-05
5208	472863.09	3865377.25	3.03E-05	6.93E-10	3.36E-07	2.36E-07	3.09E-05	1.43E-05	2.86E-04	2.52E-05	8.65E-06	3.34E-04	1.36E-05	5.69E-10	3.36E-07	2.36E-07	1.42E-05
5209	473363.09	3865377.25	3.10E-05	7.27E-10	3.50E-07	2.39E-07	3.16E-05	1.46E-05	3.00E-04	2.63E-05	8.75E-06	3.49E-04	1.39E-05	5.97E-10	3.50E-07	2.39E-07	1.45E-05
5210	473863.09	3865377.25	3.19E-05	7.57E-10	3.61E-07	2.39E-07	3.25E-05	1.50E-05	3.12E-04	2.70E-05	8.75E-06	3.63E-04	1.43E-05	6.21E-10	3.61E-07	2.39E-07	1.49E-05
5211	474363.09	3865377.25	3.28E-05	7.84E-10	3.68E-07	2.39E-07	3.34E-05	1.55E-05	3.23E-04	2.76E-05	8.75E-06	3.75E-04	1.47E-05	6.44E-10	3.68E-07	2.39E-07	1.53E-05
5212	474863.09	3865377.25	3.38E-05	8.10E-10	3.74E-07	2.38E-07	3.44E-05	1.59E-05	3.34E-04	2.81E-05	8.71E-06	3.87E-04	1.52E-05	6.65E-10	3.74E-07	2.38E-07	1.58E-05
5213	475363.09	3865377.25	3.48E-05	8.38E-10	3.72E-07	2.39E-07	3.54E-05	1.64E-05	3.45E-04	2.79E-05	8.78E-06	3.98E-04	1.56E-05	6.88E-10	3.72E-07	2.39E-07	1.62E-05
5214	475863.09	3865377.25	3.62E-05	8.68E-10	3.74E-07	2.42E-07	3.68E-05	1.71E-05	3.58E-04	2.81E-05	8.87E-06	4.12E-04	1.62E-05	7.12E-10	3.74E-07	2.42E-07	1.68E-05
5215	476363.09	3865377.25	3.83E-05	8.91E-10	3.89E-07	2.45E-07	3.89E-05	1.81E-05	3.67E-04	2.91E-05	9.00E-06	4.23E-04	1.72E-05	7.31E-10	3.89E-07	2.45E-07	1.78E-05
5216	476863.09	3865377.25	4.01E-05	8.46E-10	4.06E-07	2.55E-07	4.08E-05	1.89E-05	3.48E-04	3.04E-05	9.35E-06	4.07E-04	1.80E-05	6.94E-10	4.06E-07	2.55E-07	1.87E-05
5217	477363.09	3865377.25	4.12E-05	9.72E-10	4.02E-07	2.57E-07	4.19E-05	1.94E-05	4.00E-04	3.02E-05	9.44E-06	4.59E-04	1.85E-05	7.97E-10	4.02E-07	2.57E-07	1.91E-05
5218	477863.09	3865377.25	4.22E-05	1.02E-09	3.93E-07	2.67E-07	4.29E-05	1.99E-05	4.20E-04	2.95E-05	9.79E-06	4.79E-04	1.89E-05	8.37E-10	3.93E-07	2.67E-07	1.96E-05
5219	478363.09	3865377.25	4.43E-05	1.05E-09	3.98E-07	2.76E-07	4.50E-05	2.09E-05	4.34E-04	2.99E-05	1.01E-05	4.95E-04	1.99E-05	8.65E-10	3.98E-07	2.76E-07	2.06E-05
5220	478863.09	3865377.25	4.66E-05	1.08E-09	3.90E-07	2.79E-07	4.73E-05	2.20E-05	4.45E-04	2.93E-05	1.02E-05	5.06E-04	2.09E-05	8.86E-10	3.90E-07	2.79E-07	2.16E-05
5221	479363.09	3865377.25	4.88E-05	1.10E-09	3.69E-07	2.77E-07	4.95E-05	2.30E-05	4.53E-04	2.77E-05	1.02E-05	5.14E-04	2.19E-05	9.02E-10	3.69E-07	2.77E-07	2.26E-05
5222	479863.09	3865377.25	5.08E-05	1.12E-09	3.41E-07	2.71E-07	5.15E-05	2.40E-05	4.63E-04	2.56E-05	9.95E-06	5.23E-04	2.28E-05	9.23E-10	3.41E-07	2.71E-07	2.34E-05
5223	480363.09	3865377.25	5.17E-05	1.16E-09	3.16E-07	2.62E-07	5.22E-05	2.44E-05	4.78E-04	2.37E-05	9.60E-06	5.36E-04	2.32E-05	9.53E-10	3.16E-07	2.62E-07	2.37E-05
5224	480863.09	3865377.25	5.18E-05	1.21E-09	3.01E-07	2.57E-07	5.23E-05	2.44E-05	4.98E-04	2.26E-05	9.44E-06	5.54E-04	2.32E-05	9.92E-10	3.01E-07	2.57E-07	2.38E-05
5225	481363.09	3865377.25	5.22E-05	1.26E-09	2.92E-07	2.55E-07	5.27E-05	2.46E-05	5.19E-04	2.19E-05	9.35E-06	5.75E-04	2.34E-05	1.03E-09	2.92E-07	2.55E-07	2.39E-05
5226	481863.09	3865377.25	5.29E-05	1.31E-09	2.77E-07	2.52E-07	5.34E-05	2.49E-05	5.39E-04	2.08E-05	9.25E-06	5.94E-04	2.37E-05	1.07E-09	2.77E-07	2.52E-07	2.43E-05
5227	482363.09	3865377.25	5.37E-05	1.36E-09	2.64E-07	2.52E-07	5.42E-05	2.53E-05	5.59E-04	1.98E-05	9.25E-06	6.13E-04	2.41E-05	1.11E-09	2.64E-07	2.52E-07	2.46E-05
5228	482863.09	3865377.25	5.34E-05	1.42E-09	2.76E-07	2.59E-07	5.39E-05	2.52E-05	5.85E-04	2.07E-05	9.50E-06	6.40E-04	2.39E-05	1.17E-09	2.76E-07	2.59E-07	2.45E-05
5229	483363.09	3865377.25	5.28E-05	1.47E-09	3.47E-07	2.67E-07	5.34E-05	2.49E-05	6.07E-04	2.60E-05	9.79E-06	6.68E-04	2.37E-05	1.21E-09	3.47E-07	2.67E-07	2.43E-05
5230	483863.09	3865377.25	5.34E-05	1.49E-09	4.12E-07	2.63E-07	5.41E-05	2.52E-05	6.14E-04	3.09E-05	9.66E-06	6.79E-04	2.40E-05	1.22E-09	4.12E-07	2.63E-07	2.46E-05
5231	484363.09	3865377.25	5.44E-05	1.52E-09	3.67E-07	2.53E-07	5.50E-05	2.56E-05	6.24E-04	2.75E-05	9.28E-06	6.87E-04	2.44E-05	1.24E-09	3.67E-07	2.53E-07	2.50E-05
5232	484863.09	3865377.25	5.35E-05	1.57E-09	2.75E-07	2.51E-07	5.41E-05	2.52E-05	6.49E-04	2.06E-05	9.22E-06	7.04E-04	2.40E-05	1.29E-09	2.75E-07	2.51E-07	2.45E-05
5233	485363.09	3865377.25	5.12E-05	1.61E-09	2.58E-07	2.48E-07	5.17E-05	2.41E-05	6.65E-04	1.93E-05	9.09E-06	7.18E-04	2.30E-05	1.32E-09	2.58E-07	2.48E-07	2.35E-05
5234	485863.09	3865377.25	4.92E-05	1.60E-09	2.66E-07	2.33E-07	4.97E-05	2.32E-05	6.58E-04	2.00E-05	8.56E-06	7.10E-04	2.21E-05	1.31E-09	2.66E-07	2.33E-07	2.26E-05
5235	486363.09	3865377.25	4.76E-05	1.61E-09	2.52E-07	2.32E-07	4.81E-05	2.24E-05	6.64E-04	1.89E-05	8.52E-06	7.14E-04	2.13E-05	1.32E-09	2.52E-07	2.32E-07	2.18E-05
5236	486863.09	3865377.25	4.63E-05	1.61E-09	3.00E-07	2.33E-07	4.68E-05	2.18E-05	6.63E-04	2.25E-05	8.56E-06	7.16E-04	2.08E-05	1.32E-09	3.00E-07	2.33E-07	2.13E-05
5237	487363.09	3865377.25	4.70E-05	1.57E-09	3.67E-07	2.35E-07	4.76E-05	2.22E-05	6.45E-04	2.76E-05	8.62E-06	7.03E-04	2.11E-05	1.29E-09	3.67E-07	2.35E-07	2.17E-05
5238	487863.09	3865377.25	4.95E-05	1.54E-09	3.88E-07	2.41E-07	5.02E-05	2.34E-05	6.36E-04	2.91E-05	8.84E-06	6.98E-04	2.22E-05	1.27E-09	3.88E-07	2.41E-07	2.28E-05
5239	488363.09	3865377.25	5.15E-05	1.53E-09	3.61E-07	2.43E-07	5.21E-05	2.43E-05	6.29E-04	2.71E-05	8.90E-06	6.89E-04	2.31E-05	1.25E-09	3.61E-07	2.43E-07	2.37E-05
5240	488863.09	3865377.25	5.20E-05	1.53E-09	2.78E-07	2.28E-07	5.25E-05	2.45E-05	6.29E-04	2.09E-05	8.37E-06	6.83E-04	2.33E-05	1.25E-09	2.78E-07	2.28E-07	2.38E-05
5241	489363.09	3865377.25	5.07E-05	1.56E-09	2.39E-07	2.20E-07	5.11E-05	2.39E-05	6.41E-04	1.79E-05	8.05E-06	6.91E-04	2.27E-05	1.28E-09	2.39E-07	2.20E-07	2.32E-05
5242	489863.09	3865377.25	4.91E-05	1.58E-09	2.52E-07	2.24E-07	4.96E-05	2.32E-05	6.50E-04	1.89E-05	8.21E-06	7.01E-04	2.20E-05	1.30E-09	2.52E-07	2.24E-07	2.25E-05

5243	490363.09	3865377.25	5.05E-05	1.50E-09	2.37E-07	2.22E-07	5.10E-05	2.38E-05	6.20E-04	1.78E-05	8.15E-06	6.69E-04	2.27E-05	1.23E-09	2.37E-07	2.22E-07	2.31E-05
5244	490863.09	3865377.25	5.28E-05	1.45E-09	1.96E-07	2.31E-07	5.32E-05	2.49E-05	5.97E-04	1.47E-05	8.46E-06	6.45E-04	2.37E-05	1.19E-09	1.96E-07	2.31E-07	2.41E-05
5245	491363.09	3865377.25	5.55E-05	1.41E-09	2.03E-07	2.51E-07	5.60E-05	2.62E-05	5.82E-04	1.52E-05	9.19E-06	6.32E-04	2.49E-05	1.16E-09	2.03E-07	2.51E-07	2.54E-05
5246	491863.09	3865377.25	5.57E-05	1.45E-09	2.35E-07	2.75E-07	5.62E-05	2.63E-05	5.95E-04	1.76E-05	1.01E-05	6.49E-04	2.50E-05	1.19E-09	2.35E-07	2.75E-07	2.55E-05
5247	492363.09	3865377.25	5.02E-05	1.05E-09	2.87E-07	3.37E-07	5.08E-05	2.37E-05	4.32E-04	2.15E-05	1.23E-05	4.89E-04	2.25E-05	8.60E-10	2.87E-07	3.37E-07	2.31E-05
5248	492863.09	3865377.25	4.52E-05	7.52E-10	3.51E-07	2.68E-07	4.58E-05	2.13E-05	3.10E-04	2.63E-05	9.82E-06	3.67E-04	2.03E-05	6.17E-10	3.51E-07	2.68E-07	2.09E-05
5249	493363.09	3865377.25	3.84E-05	6.35E-10	3.70E-07	2.32E-07	3.90E-05	1.81E-05	2.62E-04	2.77E-05	8.52E-06	3.16E-04	1.72E-05	5.21E-10	3.70E-07	2.32E-07	1.78E-05
5250	493863.09	3865377.25	5.20E-05	1.03E-09	6.03E-07	2.78E-07	5.29E-05	2.45E-05	4.26E-04	4.52E-05	1.02E-05	5.06E-04	2.33E-05	8.49E-10	6.03E-07	2.78E-07	2.42E-05
5251	494363.09	3865377.25	5.23E-05	1.42E-09	4.50E-07	2.76E-07	5.30E-05	2.47E-05	5.84E-04	3.37E-05	1.01E-05	6.52E-04	2.35E-05	1.16E-09	4.50E-07	2.76E-07	2.42E-05
5252	494863.09	3865377.25	5.60E-05	1.50E-09	3.79E-07	2.64E-07	5.66E-05	2.64E-05	6.17E-04	2.84E-05	9.69E-06	6.81E-04	2.51E-05	1.23E-09	3.79E-07	2.64E-07	2.58E-05
5253	495363.09	3865377.25	5.97E-05	1.49E-09	3.73E-07	2.48E-07	6.03E-05	2.81E-05	6.15E-04	2.79E-05	9.09E-06	6.80E-04	2.68E-05	1.22E-09	3.73E-07	2.48E-07	2.74E-05
5254	495863.09	3865377.25	6.08E-05	1.53E-09	4.13E-07	2.39E-07	6.14E-05	2.87E-05	6.29E-04	3.10E-05	8.78E-06	6.97E-04	2.73E-05	1.25E-09	4.13E-07	2.39E-07	2.79E-05
5255	496363.09	3865377.25	5.97E-05	1.51E-09	4.32E-07	2.39E-07	6.04E-05	2.82E-05	6.24E-04	3.24E-05	8.75E-06	6.93E-04	2.68E-05	1.24E-09	4.32E-07	2.39E-07	2.74E-05
5256	496863.09	3865377.25	5.70E-05	1.53E-09	4.07E-07	2.45E-07	5.77E-05	2.69E-05	6.28E-04	3.06E-05	8.97E-06	6.95E-04	2.56E-05	1.25E-09	4.07E-07	2.45E-07	2.62E-05
5257	497363.09	3865377.25	5.41E-05	1.59E-09	3.74E-07	2.51E-07	5.47E-05	2.55E-05	6.56E-04	2.81E-05	9.19E-06	7.19E-04	2.43E-05	1.31E-09	3.74E-07	2.51E-07	2.49E-05
5258	497863.09	3865377.25	5.23E-05	1.63E-09	3.55E-07	2.57E-07	5.30E-05	2.47E-05	6.73E-04	2.66E-05	9.41E-06	7.33E-04	2.35E-05	1.34E-09	3.55E-07	2.57E-07	2.41E-05
5259	498363.09	3865377.25	5.20E-05	1.65E-09	3.48E-07	2.57E-07	5.26E-05	2.45E-05	6.79E-04	2.61E-05	9.44E-06	7.40E-04	2.33E-05	1.35E-09	3.48E-07	2.57E-07	2.39E-05
5260	471363.09	3865877.25	2.67E-05	6.00E-10	3.04E-07	2.22E-07	2.73E-05	1.26E-05	2.47E-04	2.28E-05	8.15E-06	2.91E-04	1.20E-05	4.93E-10	3.04E-07	2.22E-07	1.25E-05
5261	471863.09	3865877.25	2.73E-05	6.26E-10	3.18E-07	2.25E-07	2.78E-05	1.29E-05	2.58E-04	2.39E-05	8.24E-06	3.03E-04	1.22E-05	5.14E-10	3.18E-07	2.25E-07	1.28E-05
5262	472363.09	3865877.25	2.82E-05	6.48E-10	3.32E-07	2.26E-07	2.88E-05	1.33E-05	2.67E-04	2.49E-05	8.27E-06	3.13E-04	1.26E-05	5.31E-10	3.32E-07	2.26E-07	1.32E-05
5263	472863.09	3865877.25	2.88E-05	6.74E-10	3.42E-07	2.26E-07	2.94E-05	1.36E-05	2.78E-04	2.56E-05	8.30E-06	3.25E-04	1.29E-05	5.53E-10	3.42E-07	2.26E-07	1.35E-05
5264	473363.09	3865877.25	2.96E-05	6.98E-10	3.45E-07	2.26E-07	3.02E-05	1.40E-05	2.88E-04	2.59E-05	8.30E-06	3.36E-04	1.33E-05	5.73E-10	3.45E-07	2.26E-07	1.38E-05
5265	473863.09	3865877.25	3.04E-05	7.20E-10	3.50E-07	2.26E-07	3.09E-05	1.43E-05	2.97E-04	2.62E-05	8.27E-06	3.46E-04	1.36E-05	5.91E-10	3.50E-07	2.26E-07	1.42E-05
5266	474363.09	3865877.25	3.11E-05	7.42E-10	3.50E-07	2.25E-07	3.17E-05	1.47E-05	3.06E-04	2.63E-05	8.24E-06	3.55E-04	1.40E-05	6.09E-10	3.50E-07	2.25E-07	1.45E-05
5267	474863.09	3865877.25	3.21E-05	7.65E-10	3.54E-07	2.26E-07	3.26E-05	1.51E-05	3.15E-04	2.65E-05	8.30E-06	3.65E-04	1.44E-05	6.27E-10	3.54E-07	2.26E-07	1.50E-05
5268	475363.09	3865877.25	3.32E-05	7.91E-10	3.55E-07	2.30E-07	3.38E-05	1.56E-05	3.26E-04	2.66E-05	8.43E-06	3.77E-04	1.49E-05	6.49E-10	3.55E-07	2.30E-07	1.55E-05
5269	475863.09	3865877.25	3.46E-05	8.21E-10	3.59E-07	2.35E-07	3.52E-05	1.63E-05	3.38E-04	2.69E-05	8.62E-06	3.90E-04	1.55E-05	6.74E-10	3.59E-07	2.35E-07	1.61E-05
5270	476363.09	3865877.25	3.67E-05	8.27E-10	3.75E-07	2.38E-07	3.73E-05	1.73E-05	3.41E-04	2.81E-05	8.71E-06	3.95E-04	1.64E-05	6.78E-10	3.75E-07	2.38E-07	1.71E-05
5271	476863.09	3865877.25	3.80E-05	7.95E-10	3.90E-07	2.46E-07	3.86E-05	1.79E-05	3.28E-04	2.93E-05	9.03E-06	3.84E-04	1.70E-05	6.53E-10	3.90E-07	2.46E-07	1.77E-05
5272	477363.09	3865877.25	3.92E-05	9.05E-10	3.90E-07	2.49E-07	3.98E-05	1.85E-05	3.73E-04	2.92E-05	9.12E-06	4.29E-04	1.76E-05	7.42E-10	3.90E-07	2.49E-07	1.82E-05
5273	477863.09	3865877.25	4.04E-05	9.40E-10	3.79E-07	2.59E-07	4.10E-05	1.90E-05	3.87E-04	2.84E-05	9.50E-06	4.44E-04	1.81E-05	7.72E-10	3.79E-07	2.59E-07	1.87E-05
5274	478363.09	3865877.25	4.23E-05	9.61E-10	3.68E-07	2.63E-07	4.30E-05	2.00E-05	3.96E-04	2.76E-05	9.66E-06	4.53E-04	1.90E-05	7.89E-10	3.68E-07	2.63E-07	1.96E-05
5275	478863.09	3865877.25	4.43E-05	9.79E-10	3.44E-07	2.63E-07	4.49E-05	2.09E-05	4.03E-04	2.58E-05	9.63E-06	4.60E-04	1.99E-05	8.03E-10	3.44E-07	2.63E-07	2.05E-05
5276	479363.09	3865877.25	4.60E-05	1.00E-09	3.16E-07	2.57E-07	4.66E-05	2.17E-05	4.13E-04	2.37E-05	9.44E-06	4.68E-04	2.06E-05	8.22E-10	3.16E-07	2.57E-07	2.12E-05
5277	479863.09	3865877.25	4.71E-05	1.04E-09	2.94E-07	2.49E-07	4.76E-05	2.22E-05	4.27E-04	2.21E-05	9.12E-06	4.80E-04	2.11E-05	8.50E-10	2.94E-07	2.49E-07	2.17E-05
5278	480363.09	3865877.25	4.76E-05	1.08E-09	2.82E-07	2.41E-07	4.81E-05	2.24E-05	4.44E-04	2.11E-05	8.84E-06	4.96E-04	2.13E-05	8.84E-10	2.82E-07	2.41E-07	2.19E-05
5279	480863.09	3865877.25	4.78E-05	1.12E-09	2.73E-07	2.38E-07	4.83E-05	2.25E-05	4.61E-04	2.05E-05	8.71E-06	5.13E-04	2.14E-05	9.19E-10	2.73E-07	2.38E-07	2.19E-05
5280	481363.09	3865877.25	4.80E-05	1.16E-09	2.62E-07	2.33E-07	4.84E-05	2.26E-05	4.76E-04	1.96E-05	8.56E-06	5.27E-04	2.15E-05	9.49E-10	2.62E-07	2.33E-07	2.20E-05
5281	481863.09	3865877.25	4.85E-05	1.20E-09	2.48E-07	2.31E-07	4.90E-05	2.29E-05	4.93E-04	1.86E-05	8.46E-06	5.43E-04	2.18E-05	9.81E-10	2.48E-07	2.31E-07	2.22E-05
5282	482363.09	3865877.25	4.89E-05	1.25E-09	2.51E-07	2.35E-07	4.94E-05	2.31E-05	5.14E-04	1.88E-05	8.62E-06	5.65E-04	2.19E-05	1.02E-09	2.51E-07	2.35E-07	2.24E-05
5283	482863.09	3865877.25	4.85E-05	1.31E-09	3.01E-07	2.45E-07	4.90E-05	2.29E-05	5.38E-04	2.26E-05	8.97E-06	5.92E-04	2.17E-05	1.07E-09	3.01E-07	2.45E-07	2.23E-05
5284	483363.09	3865877.25	4.83E-05	1.33E-09	3.81E-07	2.50E-07	4.90E-05	2.28E-05	5.49E-04	2.86E-05	9.16E-06	6.10E-04	2.17E-05	1.09E-09	3.81E-07	2.50E-07	2.23E-05
5285	483863.09	3865877.25	4.94E-05	1.34E-09	3.89E-07	2.45E-07	5.00E-05	2.33E-05	5.53E-04	2.91E-05	8.97E-06	6.14E-04	2.22E-05	1.10E-09	3.89E-07	2.45E-07	2.28E-05
5286	484363.09	3865877.25	5.01E-05	1.37E-09	3.06E-07	2.42E-07	5.06E-05	2.36E-05	5.66E-04	2.30E-05	8.87E-06	6.21E-04	2.25E-05	1.13E-09	3.06E-07	2.42E-07	2.30E-05
5287	484863.09	3865877.25	4.88E-05	1.41E-09	2.44E-07	2.42E-07	4.93E-05	2.30E-05	5.82E-04	1.83E-05	8.87E-06	6.33E-04	2.19E-05	1.16E-09	2.44E-07	2.42E-07	2.24E-05
5288	485363.09	3865877.25	4.68E-05	1.42E-09	2.56E-07	2.27E-07	4.73E-05	2.21E-05	5.84E-04	1.92E-05	8.34E-06	6.34E-04	2.10E-05	1.16E-09	2.56E-07	2.27E-07	2.15E-05
5289	485863.09	3865877.25	4.52E-05	1.40E-09	2.48E-07	2.16E-07	4.57E-05	2.13E-05	5.76E-04	1.86E-05	7.93E-06	6.24E-04	2.03E-05	1.15E-09	2.48E-07	2.16E-07	2.07E-05
5290	486363.09	3865877.25	4.35E-05	1.43E-09	2.42E-07	2.20E-07	4.40E-05	2.05E-05	5.90E-04	1.81E-05	8.08E-06	6.36E-04	1.95E-05	1.17E-09	2.42E-07	2.20E-07	2.00E-05
5291	486863.09	3865877.25	4.22E-05	1.42E-09	2.97E-07	2.20E-07	4.28E-05	1.99E-05	5.87E-04	2.23E-05	8.08E-06	6.37E-04	1.89E-05	1.17E-09	2.97E-07	2.20E-07	1.95E-05
5292	487363.09	3865877.25	4.27E-05	1.38E-09	3.55E-07	2.24E-07	4.33E-05	2.01E-05	5.70E-04	2.67E-05	8.21E-06	6.25E-04	1.91E-05	1.14E-09	3.55E-07	2.24E-07	1.97E-05
5293	487863.09	3865877.25	4.51E-05	1.37E-09	3.71E-07	2.28E-07	4.57E-05	2.13E-05	5.63E-04	2.78E-05	8.37E-06	6.20E-04	2.02E-05	1.12E-09	3.71E-07	2.28E-07	2.08E-05
5294	488363.09	3865877.25	4.71E-05	1.34E-09	3.45E-07	2.26E-07	4.77E-05	2.22E-05	5.53E-04	2.59E-05	8.30E-06	6.10E-04	2.11E-05	1.10E-09	3.45E-07	2.26E-07	2.17E-05
5295	488863.09	3865877.25	4.81E-05	1.34E-09	2.70E-07	2.14E-07	4.86E-05	2.27E-05	5.53E-04	2.03E-05	7.83E-06	6.03E-04	2.16E-05	1.10E-09	2.70E-07	2.14E-07	2.21E-05
5296	489363.09	3865877.25	4.75E-05	1.37E-09	2.29E-07	2.05E-07	4.80E-05	2.24E-05	5.65E-04	1.72E-05	7.51E-06	6.13E-04	2.13E-05	1.13E-09	2.29E-07	2.05E-07	2.17E-05
5297	489863.09	3865877.25	4.59E-05	1.40E-09	2.43E-07	2.09E-07	4.63E-05	2.16E-05	5.76E-04	1.82E-05	7.67E-06	6.24E-04	2.06E-05	1.15E-09	2.43E-07	2.09E-07	2.10E-05
5298	490363.09	3865877.25	4.55E-05	1.38E-09	2.47E-07	2.08E-07	4.60E-05	2.15E-05	5.69E-04	1.85E-05	7.61E-06	6.17E-04	2.04E-05	1.13E-09	2.47E-07	2.08E-07	2.09E-05
5299	490863.09	3865877.25	4.69E-05	1.32E-09	1.93E-07	2.10E-07	4.73E-05	2.21E-05	5.42E-04	1.45E-05	7.70E-06	5.86E-04	2.10E-05	1.08E-09	1.93E-07	2.10E-07	2.14E-05
5300	491363.09	3865877.25	4.97E-05	1.21E-09	1.84E-07	2.23E-07	5.01E-05	2.34E-05	5.00E-04	1.38E-05	8.18E-06	5.46E-04	2.23E-05	9.96E-10	1.84E-07	2.23E-07	2.27E-05
5301	491863.09	3865877.25	5.18E-05	1.20E-09	2.02E-07	2.45E-07	5.23E-05	2.44E-05	4.93E-04	1.52E-05	8.97E-06	5.42E-04	2.32E-05	9.82E-10	2.02E-07	2.45E-07	2.37E-05
5302	492363.09	3865877.25	4.91E-05	1.11E-09	2.36E-07	2.70E-07	4.97E-05	2.32E-05	4.55E-04	1.77E-05	9.91E-06	5.06E-04	2.20E-05	9.07E-10	2.36E-07	2.70E-07	2.25E-05
5303	492863.09	3865877.25	4.13E-05	7.22E-10	2.87E-07	2.65E-07	4.19E-05	1.95E-05	2.97E-04	2.15E-05	9.72E-06	3.48E-04	1.85E-05	5.92E-10	2.87E-07	2.65E-07	1.91E-05

5304	493363.09	3865877.25	4.42E-05	7.39E-10	3.72E-07	2.66E-07	4.49E-05	2.09E-05	3.04E-04	2.79E-05	9.76E-06	3.63E-04	1.98E-05	6.06E-10	3.72E-07	2.66E-07	2.05E-05
5305	493863.09	3865877.25	5.04E-05	9.53E-10	4.35E-07	2.53E-07	5.11E-05	2.38E-05	3.92E-04	3.27E-05	9.28E-06	4.58E-04	2.26E-05	7.82E-10	4.35E-07	2.53E-07	2.33E-05
5306	494363.09	3865877.25	5.08E-05	1.23E-09	4.46E-07	2.53E-07	5.15E-05	2.39E-05	5.05E-04	3.35E-05	9.28E-06	5.72E-04	2.28E-05	1.01E-09	4.46E-07	2.53E-07	2.35E-05
5307	494863.09	3865877.25	5.05E-05	1.43E-09	3.82E-07	2.53E-07	5.11E-05	2.38E-05	5.88E-04	2.86E-05	9.28E-06	6.50E-04	2.27E-05	1.17E-09	3.82E-07	2.53E-07	2.33E-05
5308	495363.09	3865877.25	5.20E-05	1.39E-09	3.52E-07	2.47E-07	5.26E-05	2.45E-05	5.73E-04	2.64E-05	9.06E-06	6.33E-04	2.33E-05	1.14E-09	3.52E-07	2.47E-07	2.39E-05
5309	495863.09	3865877.25	5.46E-05	1.32E-09	3.48E-07	2.33E-07	5.52E-05	2.57E-05	5.43E-04	2.61E-05	8.56E-06	6.03E-04	2.45E-05	1.08E-09	3.48E-07	2.33E-07	2.51E-05
5310	496363.09	3865877.25	5.64E-05	1.27E-09	3.83E-07	2.22E-07	5.70E-05	2.66E-05	5.24E-04	2.87E-05	8.15E-06	5.88E-04	2.53E-05	1.04E-09	3.83E-07	2.22E-07	2.59E-05
5311	496863.09	3865877.25	5.54E-05	1.25E-09	4.11E-07	2.22E-07	5.61E-05	2.62E-05	5.13E-04	3.08E-05	8.15E-06	5.78E-04	2.49E-05	1.02E-09	4.11E-07	2.22E-07	2.55E-05
5312	497363.09	3865877.25	5.28E-05	1.31E-09	3.89E-07	2.26E-07	5.34E-05	2.49E-05	5.39E-04	2.91E-05	8.27E-06	6.01E-04	2.37E-05	1.07E-09	3.89E-07	2.26E-07	2.43E-05
5313	497863.09	3865877.25	5.03E-05	1.36E-09	3.50E-07	2.32E-07	5.08E-05	2.37E-05	5.58E-04	2.62E-05	8.52E-06	6.17E-04	2.25E-05	1.11E-09	3.50E-07	2.32E-07	2.31E-05
5314	498363.09	3865877.25	4.78E-05	1.33E-09	3.17E-07	2.43E-07	4.83E-05	2.25E-05	5.48E-04	2.38E-05	8.90E-06	6.04E-04	2.14E-05	1.09E-09	3.17E-07	2.43E-07	2.20E-05
5315	471363.09	3866377.25	2.54E-05	5.88E-10	3.13E-07	2.15E-07	2.60E-05	1.20E-05	2.42E-04	2.35E-05	7.89E-06	2.86E-04	1.14E-05	4.83E-10	3.13E-07	2.15E-07	1.19E-05
5316	471863.09	3866377.25	2.63E-05	6.06E-10	3.29E-07	2.15E-07	2.68E-05	1.24E-05	2.49E-04	2.47E-05	7.89E-06	2.94E-04	1.18E-05	4.97E-10	3.29E-07	2.15E-07	1.23E-05
5317	472363.09	3866377.25	2.70E-05	6.23E-10	3.36E-07	2.14E-07	2.76E-05	1.28E-05	2.57E-04	2.52E-05	7.86E-06	3.03E-04	1.21E-05	5.11E-10	3.36E-07	2.14E-07	1.27E-05
5318	472863.09	3866377.25	2.76E-05	6.45E-10	3.29E-07	2.14E-07	2.81E-05	1.30E-05	2.66E-04	2.47E-05	7.86E-06	3.11E-04	1.24E-05	5.29E-10	3.29E-07	2.14E-07	1.29E-05
5319	473363.09	3866377.25	2.82E-05	6.62E-10	3.32E-07	2.14E-07	2.88E-05	1.33E-05	2.73E-04	2.49E-05	7.83E-06	3.19E-04	1.27E-05	5.43E-10	3.32E-07	2.14E-07	1.32E-05
5320	473863.09	3866377.25	2.88E-05	6.81E-10	3.32E-07	2.14E-07	2.93E-05	1.36E-05	2.81E-04	2.49E-05	7.83E-06	3.27E-04	1.29E-05	5.59E-10	3.32E-07	2.14E-07	1.35E-05
5321	474363.09	3866377.25	2.95E-05	7.02E-10	3.33E-07	2.15E-07	3.01E-05	1.39E-05	2.89E-04	2.49E-05	7.89E-06	3.36E-04	1.32E-05	5.76E-10	3.33E-07	2.15E-07	1.38E-05
5322	474863.09	3866377.25	3.05E-05	7.25E-10	3.37E-07	2.19E-07	3.11E-05	1.44E-05	2.99E-04	2.53E-05	8.02E-06	3.46E-04	1.37E-05	5.95E-10	3.37E-07	2.19E-07	1.43E-05
5323	475363.09	3866377.25	3.17E-05	7.49E-10	3.38E-07	2.23E-07	3.22E-05	1.49E-05	3.09E-04	2.54E-05	8.18E-06	3.57E-04	1.42E-05	6.15E-10	3.38E-07	2.23E-07	1.48E-05
5324	475863.09	3866377.25	3.29E-05	7.76E-10	3.41E-07	2.27E-07	3.35E-05	1.55E-05	3.20E-04	2.56E-05	8.34E-06	3.69E-04	1.48E-05	6.37E-10	3.41E-07	2.27E-07	1.53E-05
5325	476363.09	3866377.25	3.48E-05	7.91E-10	3.64E-07	2.32E-07	3.54E-05	1.64E-05	3.26E-04	2.73E-05	8.49E-06	3.78E-04	1.56E-05	6.49E-10	3.64E-07	2.32E-07	1.62E-05
5326	476863.09	3866377.25	3.59E-05	7.20E-10	3.83E-07	2.40E-07	3.65E-05	1.69E-05	2.97E-04	2.87E-05	8.81E-06	3.51E-04	1.61E-05	5.91E-10	3.83E-07	2.40E-07	1.67E-05
5327	477363.09	3866377.25	3.77E-05	8.07E-10	3.75E-07	2.41E-07	3.83E-05	1.78E-05	3.33E-04	2.81E-05	8.84E-06	3.87E-04	1.69E-05	6.63E-10	3.75E-07	2.41E-07	1.75E-05
5328	477863.09	3866377.25	3.89E-05	8.61E-10	3.55E-07	2.51E-07	3.95E-05	1.84E-05	3.55E-04	2.67E-05	9.22E-06	4.09E-04	1.75E-05	7.07E-10	3.55E-07	2.51E-07	1.81E-05
5329	478363.09	3866377.25	4.03E-05	8.81E-10	3.22E-07	2.49E-07	4.09E-05	1.90E-05	3.63E-04	2.42E-05	9.12E-06	4.15E-04	1.81E-05	7.23E-10	3.22E-07	2.49E-07	1.87E-05
5330	478863.09	3866377.25	4.19E-05	9.03E-10	2.96E-07	2.45E-07	4.24E-05	1.98E-05	3.72E-04	2.22E-05	9.00E-06	4.23E-04	1.88E-05	7.41E-10	2.96E-07	2.45E-07	1.93E-05
5331	479363.09	3866377.25	4.33E-05	9.34E-10	2.78E-07	2.39E-07	4.38E-05	2.04E-05	3.85E-04	2.09E-05	8.78E-06	4.35E-04	1.94E-05	7.67E-10	2.78E-07	2.39E-07	1.99E-05
5332	479863.09	3866377.25	4.42E-05	9.72E-10	2.68E-07	2.32E-07	4.47E-05	2.08E-05	4.00E-04	2.01E-05	8.49E-06	4.50E-04	1.98E-05	7.97E-10	2.68E-07	2.32E-07	2.03E-05
5333	480363.09	3866377.25	4.45E-05	1.01E-09	2.60E-07	2.26E-07	4.50E-05	2.10E-05	4.15E-04	1.95E-05	8.27E-06	4.63E-04	2.00E-05	8.26E-10	2.60E-07	2.26E-07	2.04E-05
5334	480863.09	3866377.25	4.44E-05	1.04E-09	2.50E-07	2.20E-07	4.49E-05	2.09E-05	4.27E-04	1.88E-05	8.05E-06	4.74E-04	1.99E-05	8.50E-10	2.50E-07	2.20E-07	2.04E-05
5335	481363.09	3866377.25	4.45E-05	1.07E-09	2.37E-07	2.15E-07	4.49E-05	2.10E-05	4.40E-04	1.78E-05	7.89E-06	4.86E-04	1.99E-05	8.76E-10	2.37E-07	2.15E-07	2.04E-05
5336	481863.09	3866377.25	4.47E-05	1.11E-09	2.33E-07	2.16E-07	4.51E-05	2.11E-05	4.57E-04	1.75E-05	7.93E-06	5.03E-04	2.00E-05	9.10E-10	2.33E-07	2.16E-07	2.05E-05
5337	482363.09	3866377.25	4.48E-05	1.16E-09	2.65E-07	2.23E-07	4.52E-05	2.11E-05	4.78E-04	1.99E-05	8.18E-06	5.27E-04	2.01E-05	9.52E-10	2.65E-07	2.23E-07	2.06E-05
5338	482863.09	3866377.25	4.45E-05	1.20E-09	3.39E-07	2.32E-07	4.50E-05	2.10E-05	4.94E-04	2.55E-05	8.49E-06	5.49E-04	1.99E-05	9.83E-10	3.39E-07	2.32E-07	2.05E-05
5339	483363.09	3866377.25	4.48E-05	1.21E-09	3.86E-07	2.32E-07	4.54E-05	2.11E-05	4.98E-04	2.90E-05	8.52E-06	5.57E-04	2.01E-05	9.92E-10	3.86E-07	2.32E-07	2.07E-05
5340	483863.09	3866377.25	4.59E-05	1.22E-09	3.38E-07	2.32E-07	4.64E-05	2.16E-05	5.02E-04	2.53E-05	8.49E-06	5.58E-04	2.06E-05	1.00E-09	3.38E-07	2.32E-07	2.11E-05
5341	484363.09	3866377.25	4.60E-05	1.25E-09	2.57E-07	2.34E-07	4.64E-05	2.17E-05	5.14E-04	1.93E-05	8.59E-06	5.63E-04	2.06E-05	1.02E-09	2.57E-07	2.34E-07	2.11E-05
5342	484863.09	3866377.25	4.49E-05	1.27E-09	2.34E-07	2.29E-07	4.54E-05	2.12E-05	5.24E-04	1.75E-05	8.40E-06	5.71E-04	2.01E-05	1.04E-09	2.34E-07	2.29E-07	2.06E-05
5343	485363.09	3866377.25	4.31E-05	1.25E-09	2.52E-07	2.08E-07	4.36E-05	2.03E-05	5.15E-04	1.89E-05	7.64E-06	5.62E-04	1.93E-05	1.03E-09	2.52E-07	2.08E-07	1.98E-05
5344	485863.09	3866377.25	4.16E-05	1.24E-09	2.30E-07	2.02E-07	4.20E-05	1.96E-05	5.12E-04	1.73E-05	7.42E-06	5.56E-04	1.86E-05	1.02E-09	2.30E-07	2.02E-07	1.91E-05
5345	486363.09	3866377.25	4.00E-05	1.28E-09	2.36E-07	2.09E-07	4.04E-05	1.89E-05	5.28E-04	1.77E-05	7.67E-06	5.72E-04	1.79E-05	1.05E-09	2.36E-07	2.09E-07	1.84E-05
5346	486863.09	3866377.25	3.88E-05	1.27E-09	2.94E-07	2.10E-07	3.93E-05	1.83E-05	5.24E-04	2.21E-05	7.70E-06	5.72E-04	1.74E-05	1.04E-09	2.94E-07	2.10E-07	1.79E-05
5347	487363.09	3866377.25	3.99E-05	1.25E-09	3.54E-07	2.21E-07	4.04E-05	1.88E-05	5.14E-04	2.65E-05	8.11E-06	5.68E-04	1.79E-05	1.02E-09	3.54E-07	2.21E-07	1.85E-05
5348	487863.09	3866377.25	4.25E-05	1.22E-09	3.78E-07	2.21E-07	4.31E-05	2.00E-05	5.04E-04	2.84E-05	8.11E-06	5.61E-04	1.90E-05	1.00E-09	3.78E-07	2.21E-07	1.96E-05
5349	488363.09	3866377.25	4.45E-05	1.20E-09	3.54E-07	2.18E-07	4.50E-05	2.10E-05	4.94E-04	2.65E-05	7.99E-06	5.49E-04	1.99E-05	9.84E-10	3.54E-07	2.18E-07	2.05E-05
5350	488863.09	3866377.25	4.60E-05	1.16E-09	2.80E-07	2.01E-07	4.64E-05	2.17E-05	4.79E-04	2.10E-05	7.39E-06	5.29E-04	2.06E-05	9.55E-10	2.80E-07	2.01E-07	2.11E-05
5351	489363.09	3866377.25	4.57E-05	1.17E-09	2.21E-07	1.89E-07	4.61E-05	2.15E-05	4.82E-04	1.66E-05	6.95E-06	5.27E-04	2.05E-05	9.61E-10	2.21E-07	1.89E-07	2.09E-05
5352	489863.09	3866377.25	4.41E-05	1.13E-09	2.49E-07	2.01E-07	4.46E-05	2.08E-05	4.65E-04	1.87E-05	7.39E-06	5.12E-04	1.98E-05	9.27E-10	2.49E-07	2.01E-07	2.02E-05
5353	490363.09	3866377.25	4.22E-05	1.24E-09	2.52E-07	1.94E-07	4.26E-05	1.99E-05	5.11E-04	1.89E-05	7.10E-06	5.56E-04	1.89E-05	1.02E-09	2.52E-07	1.94E-07	1.94E-05
5354	490863.09	3866377.25	4.18E-05	1.23E-09	2.02E-07	1.96E-07	4.22E-05	1.97E-05	5.06E-04	1.52E-05	7.20E-06	5.48E-04	1.88E-05	1.01E-09	2.02E-07	1.96E-07	1.92E-05
5355	491363.09	3866377.25	4.39E-05	1.22E-09	1.78E-07	2.02E-07	4.43E-05	2.07E-05	5.05E-04	1.33E-05	7.42E-06	5.46E-04	1.97E-05	1.01E-09	1.78E-07	2.02E-07	2.01E-05
5356	491863.09	3866377.25	4.72E-05	9.82E-10	1.81E-07	2.22E-07	4.76E-05	2.23E-05	4.04E-04	1.36E-05	8.15E-06	4.48E-04	2.12E-05	8.06E-10	1.81E-07	2.22E-07	2.16E-05
5357	492363.09	3866377.25	4.74E-05	1.01E-09	2.03E-07	2.41E-07	4.78E-05	2.23E-05	4.15E-04	1.52E-05	8.84E-06	4.62E-04	2.12E-05	8.27E-10	2.03E-07	2.41E-07	2.17E-05
5358	492863.09	3866377.25	4.23E-05	8.36E-10	2.42E-07	2.66E-07	4.28E-05	1.99E-05	3.45E-04	1.81E-05	9.76E-06	3.92E-04	1.90E-05	6.86E-10	2.42E-07	2.66E-07	1.95E-05
5359	493363.09	3866377.25	4.29E-05	8.95E-10	3.01E-07	2.65E-07	4.35E-05	2.02E-05	3.69E-04	2.26E-05	9.72E-06	4.21E-04	1.93E-05	7.34E-10	3.01E-07	2.65E-07	1.98E-05
5360	493863.09	3866377.25	4.70E-05	1.01E-09	3.50E-07	2.51E-07	4.76E-05	2.22E-05	4.14E-04	2.63E-05	9.19E-06	4.72E-04	2.11E-05	8.25E-10	3.50E-07	2.51E-07	2.17E-05
5361	494363.09	3866377.25	4.87E-05	1.20E-09	3.62E-07	2.30E-07	4.93E-05	2.30E-05	4.94E-04	2.72E-05	8.43E-06	5.53E-04	2.18E-05	9.84E-10	3.62E-07	2.30E-07	2.24E-05
5362	494863.09	3866377.25	4.68E-05	1.23E-09	3.84E-07	2.32E-07	4.75E-05	2.21E-05	5.08E-04	2.88E-05	8.52E-06	5.68E-04	2.10E-05	1.01E-09	3.84E-07	2.32E-07	2.16E-05
5363	495363.09	3866377.25	4.39E-05	1.20E-09	3.82E-07	2.40E-07	4.46E-05	2.07E-05	4.93E-04	2.86E-05	8.81E-06	5.51E-04	1.97E-05	9.81E-10	3.82E-07	2.40E-07	2.03E-05
5364	495863.09	3866377.25	4.63E-05	1.13E-09	3.40E-07	2.38E-07	4.69E-05	2.19E-05	4.65E-04	2.55E-05	8.71E-06	5.21E-04	2.08E-05	9.26E-10	3.40E-07	2.38E-07	2.14E-05

5365	496363.09	3866377.25	5.11E-05	1.08E-09	3.28E-07	2.21E-07	5.17E-05	2.41E-05	4.43E-04	2.46E-05	8.11E-06	5.00E-04	2.29E-05	8.82E-10	3.28E-07	2.21E-07	2.35E-05
5366	496863.09	3866377.25	5.17E-05	1.01E-09	3.68E-07	2.08E-07	5.23E-05	2.44E-05	4.16E-04	2.76E-05	7.61E-06	4.76E-04	2.32E-05	8.29E-10	3.68E-07	2.08E-07	2.38E-05
5367	497363.09	3866377.25	5.09E-05	1.03E-09	4.05E-07	2.12E-07	5.15E-05	2.40E-05	4.24E-04	3.04E-05	7.77E-06	4.86E-04	2.28E-05	8.45E-10	4.05E-07	2.12E-07	2.34E-05
5368	497863.09	3866377.25	4.89E-05	1.09E-09	3.80E-07	2.17E-07	4.95E-05	2.31E-05	4.50E-04	2.85E-05	7.96E-06	5.10E-04	2.19E-05	8.97E-10	3.80E-07	2.17E-07	2.25E-05
5369	498363.09	3866377.25	4.43E-05	9.63E-10	3.37E-07	2.27E-07	4.49E-05	2.09E-05	3.97E-04	2.53E-05	8.34E-06	4.51E-04	1.99E-05	7.90E-10	3.37E-07	2.27E-07	2.04E-05
5370	474494.92	3848334.16	3.02E-05	3.04E-10	1.39E-07	1.99E-07	3.05E-05	1.42E-05	1.25E-04	1.05E-05	7.29E-06	1.57E-04	1.35E-05	2.50E-10	1.39E-07	1.99E-07	1.39E-05
5371	475167.27	3848920.79	3.43E-05	3.39E-10	1.47E-07	2.13E-07	3.47E-05	1.62E-05	1.40E-04	1.10E-05	7.80E-06	1.75E-04	1.54E-05	2.79E-10	1.47E-07	2.13E-07	1.58E-05
5372	475297.89	3848997.96	3.50E-05	3.45E-10	1.48E-07	2.14E-07	3.53E-05	1.65E-05	1.42E-04	1.11E-05	7.86E-06	1.78E-04	1.57E-05	2.83E-10	1.48E-07	2.14E-07	1.60E-05
5373	475439.05	3849062	3.50E-05	3.38E-10	1.50E-07	2.15E-07	3.53E-05	1.65E-05	1.39E-04	1.12E-05	7.89E-06	1.75E-04	1.57E-05	2.77E-10	1.50E-07	2.15E-07	1.60E-05
5374	475486.86	3849061.09	3.48E-05	3.35E-10	1.50E-07	2.15E-07	3.52E-05	1.64E-05	1.38E-04	1.12E-05	7.89E-06	1.73E-04	1.56E-05	2.75E-10	1.50E-07	2.15E-07	1.60E-05
5375	475538.46	3849075.56	3.50E-05	3.39E-10	1.50E-07	2.15E-07	3.54E-05	1.65E-05	1.40E-04	1.12E-05	7.89E-06	1.75E-04	1.57E-05	2.78E-10	1.50E-07	2.15E-07	1.61E-05
5376	475751.79	3849137.15	3.62E-05	3.69E-10	1.52E-07	2.17E-07	3.65E-05	1.71E-05	1.52E-04	1.14E-05	7.96E-06	1.88E-04	1.62E-05	3.02E-10	1.52E-07	2.17E-07	1.66E-05
5377	476303.62	3849223.38	3.73E-05	4.50E-10	1.57E-07	2.17E-07	3.77E-05	1.76E-05	1.86E-04	1.18E-05	7.96E-06	2.23E-04	1.68E-05	3.70E-10	1.57E-07	2.17E-07	1.71E-05
5378	476304.51	3849238.92	3.75E-05	4.50E-10	1.57E-07	2.17E-07	3.79E-05	1.77E-05	1.85E-04	1.18E-05	7.96E-06	2.23E-04	1.68E-05	3.69E-10	1.57E-07	2.17E-07	1.72E-05
5379	476365.04	3849247.98	3.76E-05	4.61E-10	1.58E-07	2.17E-07	3.80E-05	1.77E-05	1.90E-04	1.19E-05	7.96E-06	2.28E-04	1.69E-05	3.78E-10	1.58E-07	2.17E-07	1.72E-05
5380	476444.86	3849267.13	3.77E-05	4.68E-10	1.59E-07	2.17E-07	3.81E-05	1.78E-05	1.93E-04	1.19E-05	7.96E-06	2.30E-04	1.69E-05	3.84E-10	1.59E-07	2.17E-07	1.73E-05
5381	476550.75	3849300.66	3.81E-05	4.93E-10	1.60E-07	2.18E-07	3.85E-05	1.80E-05	2.03E-04	1.20E-05	7.99E-06	2.41E-04	1.71E-05	4.05E-10	1.60E-07	2.18E-07	1.75E-05
5382	476656.71	3849346.88	3.85E-05	5.13E-10	1.61E-07	2.19E-07	3.89E-05	1.82E-05	2.11E-04	1.21E-05	8.02E-06	2.50E-04	1.73E-05	4.21E-10	1.61E-07	2.19E-07	1.76E-05
5383	476873.55	3849454.53	3.95E-05	5.57E-10	1.63E-07	2.21E-07	3.99E-05	1.86E-05	2.30E-04	1.22E-05	8.11E-06	2.69E-04	1.77E-05	4.57E-10	1.63E-07	2.21E-07	1.81E-05
5384	477700	3849859.7	4.32E-05	7.17E-10	1.73E-07	2.32E-07	4.36E-05	2.04E-05	2.95E-04	1.30E-05	8.49E-06	3.37E-04	1.94E-05	5.89E-10	1.73E-07	2.32E-07	1.98E-05
5385	477743.16	3849856.38	4.29E-05	7.11E-10	1.74E-07	2.32E-07	4.33E-05	2.02E-05	2.93E-04	1.31E-05	8.49E-06	3.35E-04	1.92E-05	5.84E-10	1.74E-07	2.32E-07	1.96E-05
5386	478477.35	3850216.33	4.55E-05	7.45E-10	1.82E-07	2.48E-07	4.60E-05	2.15E-05	3.07E-04	1.37E-05	9.09E-06	3.51E-04	2.04E-05	6.12E-10	1.82E-07	2.48E-07	2.08E-05
5387	478485.8	3850201.6	4.52E-05	7.42E-10	1.82E-07	2.48E-07	4.57E-05	2.13E-05	3.06E-04	1.37E-05	9.09E-06	3.50E-04	2.03E-05	6.09E-10	1.82E-07	2.48E-07	2.07E-05
5388	479113.21	3850501.53	5.17E-05	8.18E-10	1.89E-07	2.63E-07	5.22E-05	2.44E-05	3.37E-04	1.42E-05	9.63E-06	3.85E-04	2.32E-05	6.71E-10	1.89E-07	2.63E-07	2.37E-05
5389	479108.11	3850382.28	5.14E-05	7.82E-10	1.86E-07	2.60E-07	5.19E-05	2.43E-05	3.22E-04	1.40E-05	9.54E-06	3.70E-04	2.31E-05	6.42E-10	1.86E-07	2.60E-07	2.35E-05
5390	479689.85	3850674.28	6.08E-05	7.74E-10	1.91E-07	2.77E-07	6.12E-05	2.87E-05	3.19E-04	1.44E-05	1.02E-05	3.72E-04	2.73E-05	6.35E-10	1.91E-07	2.77E-07	2.77E-05
5391	479952.42	3850774.28	6.95E-05	7.78E-10	1.93E-07	2.83E-07	6.99E-05	3.28E-05	3.20E-04	1.45E-05	1.04E-05	3.78E-04	3.12E-05	6.38E-10	1.93E-07	2.83E-07	3.16E-05
5392	479911.32	3850884.85	6.62E-05	8.31E-10	1.96E-07	2.86E-07	6.67E-05	3.12E-05	3.42E-04	1.47E-05	1.05E-05	3.99E-04	2.97E-05	6.82E-10	1.96E-07	2.86E-07	3.02E-05
5393	480500.92	3851178.12	8.57E-05	9.08E-10	2.03E-07	3.03E-07	8.62E-05	4.04E-05	3.74E-04	1.52E-05	1.11E-05	4.41E-04	3.84E-05	7.45E-10	2.03E-07	3.03E-07	3.89E-05
5394	480738.01	3851289.27	9.54E-05	9.38E-10	2.06E-07	3.13E-07	9.59E-05	4.50E-05	3.87E-04	1.54E-05	1.15E-05	4.58E-04	4.28E-05	7.70E-10	2.06E-07	3.13E-07	4.33E-05
5395	481055.42	3851443.58	1.09E-04	9.63E-10	2.10E-07	3.29E-07	1.09E-04	5.12E-05	3.97E-04	1.58E-05	1.21E-05	4.76E-04	4.87E-05	7.91E-10	2.10E-07	3.29E-07	4.92E-05
5396	481110.22	3851443.15	1.11E-04	9.50E-10	2.10E-07	3.31E-07	1.11E-04	5.22E-05	3.91E-04	1.58E-05	1.21E-05	4.71E-04	4.97E-05	7.79E-10	2.10E-07	3.31E-07	5.02E-05
5397	481111.1	3851417.45	1.11E-04	9.35E-10	2.09E-07	3.30E-07	1.11E-04	5.22E-05	3.85E-04	1.57E-05	1.21E-05	4.65E-04	4.97E-05	7.67E-10	2.09E-07	3.30E-07	5.02E-05
5398	482248.44	3852605.09	1.73E-04	1.34E-09	2.53E-07	4.65E-07	1.73E-04	8.14E-05	5.53E-04	1.89E-05	1.70E-05	6.71E-04	7.74E-05	1.10E-09	2.53E-07	4.65E-07	7.81E-05
5399	482273.34	3852632.31	1.75E-04	1.36E-09	2.53E-07	4.71E-07	1.76E-04	8.24E-05	5.58E-04	1.90E-05	1.73E-05	6.77E-04	7.84E-05	1.11E-09	2.53E-07	4.71E-07	7.91E-05
5400	482665.46	3853038.72	2.13E-04	1.61E-09	2.72E-07	5.67E-07	2.14E-04	1.01E-04	6.62E-04	2.04E-05	2.08E-05	8.04E-04	9.57E-05	1.32E-09	2.72E-07	5.67E-07	9.66E-05
5401	483077.95	3853844.31	2.78E-04	2.14E-09	3.14E-07	8.50E-07	2.79E-04	1.31E-04	8.82E-04	2.35E-05	3.12E-05	1.07E-03	1.25E-04	1.76E-09	3.14E-07	8.50E-07	1.26E-04
5402	483121.38	3853909.38	2.92E-04	2.15E-09	3.17E-07	8.90E-07	2.93E-04	1.38E-04	8.85E-04	2.38E-05	3.26E-05	1.08E-03	1.31E-04	1.76E-09	3.17E-07	8.90E-07	1.32E-04
5403	483492.64	3853911.49	3.94E-04	1.85E-09	3.18E-07	9.19E-07	3.95E-04	1.86E-04	7.64E-04	2.39E-05	3.37E-05	1.01E-03	1.77E-04	1.52E-09	3.18E-07	9.19E-07	1.78E-04
5404	483498.29	3854204.73	4.15E-04	2.19E-09	3.38E-07	1.26E-06	4.17E-04	1.96E-04	9.03E-04	2.53E-05	4.61E-05	1.17E-03	1.86E-04	1.80E-09	3.38E-07	1.26E-06	1.88E-04
5405	484132.44	3854662.55	6.50E-04	3.02E-09	3.78E-07	4.12E-06	6.55E-04	3.07E-04	1.24E-03	2.83E-05	1.51E-04	1.73E-03	2.92E-04	2.48E-09	3.78E-07	4.12E-06	2.96E-04
5406	484627.62	3854876.13	1.20E-03	4.90E-09	4.06E-07	3.20E-06	1.20E-03	5.66E-04	2.02E-03	3.04E-05	1.17E-04	2.73E-03	5.38E-04	4.02E-09	4.06E-07	3.20E-06	5.42E-04
5407	484756.14	3854949.04	1.60E-03	5.59E-09	4.17E-07	2.92E-06	1.60E-03	7.54E-04	2.30E-03	3.13E-05	1.07E-04	3.19E-03	7.17E-04	4.59E-09	4.17E-07	2.92E-06	7.20E-04
5408	486697.51	3856599.17	2.10E-02	1.93E-08	9.68E-07	4.72E-06	2.11E-02	9.93E-03	7.95E-03	7.26E-05	1.73E-04	1.81E-02	9.44E-03	1.58E-08	9.68E-07	4.72E-06	9.45E-03
5409	487105.31	3856962.27	2.25E-02	2.22E-08	1.41E-06	2.89E-06	2.25E-02	1.06E-02	9.15E-03	1.06E-04	1.06E-04	2.00E-02	1.01E-02	1.82E-08	1.41E-06	2.89E-06	1.01E-02
5410	487157.57	3856901.7	1.72E-02	2.12E-08	1.40E-06	2.98E-06	1.72E-02	8.10E-03	8.75E-03	1.05E-04	1.09E-04	1.71E-02	7.70E-03	1.74E-08	1.40E-06	2.98E-06	7.70E-03
5411	487173.5	3856853.74	1.53E-02	2.06E-08	1.38E-06	3.08E-06	1.53E-02	7.21E-03	8.51E-03	1.03E-04	1.13E-04	1.59E-02	6.85E-03	1.69E-08	1.38E-06	3.08E-06	6.86E-03
5412	487564.41	3856860.83	8.88E-03	1.88E-08	1.94E-06	2.78E-06	8.88E-03	4.19E-03	7.76E-03	1.46E-04	1.02E-04	1.22E-02	3.98E-03	1.55E-08	1.94E-06	2.78E-06	3.99E-03
5413	487563.31	3856931.58	8.92E-03	1.95E-08	2.03E-06	2.67E-06	8.93E-03	4.21E-03	8.04E-03	1.52E-04	9.80E-05	1.25E-02	4.00E-03	1.60E-08	2.03E-06	2.67E-06	4.01E-03
5414	487782.7	3856926.85	6.86E-03	1.86E-08	2.51E-06	2.59E-06	6.87E-03	3.24E-03	7.66E-03	1.88E-04	9.48E-05	1.12E-02	3.08E-03	1.53E-08	2.51E-06	2.59E-06	3.08E-03
5415	487782.39	3856757.07	6.89E-03	1.71E-08	2.19E-06	2.80E-06	6.90E-03	3.25E-03	7.06E-03	1.64E-04	1.03E-04	1.06E-02	3.09E-03	1.41E-08	2.19E-06	2.80E-06	3.10E-03
5416	487917.26	3856752.41	6.13E-03	1.68E-08	2.07E-06	2.72E-06	6.13E-03	2.89E-03	6.92E-03	1.55E-04	9.98E-05	1.01E-02	2.75E-03	1.38E-08	2.07E-06	2.72E-06	2.75E-03
5417	487919.57	3856953.35	5.87E-03	1.84E-08	2.57E-06	2.51E-06	5.87E-03	2.77E-03	7.57E-03	1.93E-04	9.22E-05	1.06E-02	2.63E-03	1.51E-08	2.57E-06	2.51E-06	2.64E-03
5418	487932.76	3857000.32	5.60E-03	1.85E-08	2.71E-06	2.48E-06	5.61E-03	2.64E-03	7.64E-03	2.03E-04	9.08E-05	1.06E-02	2.51E-03	1.52E-08	2.71E-06	2.48E-06	2.52E-03
5419	487960.5	3857044.75	5.23E-03	1.87E-08	2.82E-06	2.44E-06	5.23E-03	2.47E-03	7.70E-03	2.12E-04	8.95E-05	1.05E-02	2.34E-03	1.53E-08	2.82E-06	2.44E-06	2.35E-03
5420	488016.54	3857089.54	4.73E-03	1.87E-08	2.88E-06	2.41E-06	4.73E-03	2.23E-03	7.72E-03	2.16E-04	8.83E-05	1.03E-02	2.12E-03	1.54E-08	2.88E-06	2.41E-06	2.13E-03
5421	488114.39	3857165.47	3.96E-03	1.89E-08	3.07E-06	2.36E-06	3.97E-03	1.87E-03	7.79E-03	2.31E-04	8.67E-05	9.98E-03	1.78E-03	1.55E-08	3.07E-06	2.36E-06	1.78E-03
5422	488171.49	3857234.24	3.45E-03	1.93E-08	3.48E-06	2.37E-06	3.46E-03	1.63E-03	7.95E-03	2.61E-04	8.67E-05	9.92E-03	1.55E-03	1.58E-08	3.48E-06	2.37E-06	1.55E-03
5423	488193.16	3857297.8	3.08E-03	1.98E-08	3.96E-06	2.40E-06	3.09E-03	1.45E-03	8.18E-03	2.97E-04	8.81E-05	1.00E-02	1.38E-03	1.63E-08	3.96E-06	2.40E-06	1.39E-03
5424	488189.27	3857649.94	1.66E-03	2.38E-08	1.03E-05	3.05E-06	1.68E-03	7.84E-04	9.82E-03	7.76E-04	1.12E-04	1.15E-02	7.46E-04	1.96E-08	1.03E-05	3.05E-06	7.59E-04
5425	488127.43	3857732.32	1.44E-03	2.52E-08	1.38E-05	3.32E-06	1.46E-03	6.81E-04	1.04E-02	1.03E-03	1.22E-04	1.22E-02	6.48E-04	2.06E-08	1.38E-05	3.32E-06	6.65E-04

5426	488149.93	3857752.94	1.40E-03	2.53E-08	1.53E-05	3.39E-06	1.42E-03	6.59E-04	1.04E-02	1.15E-03	1.24E-04	1.24E-02	6.26E-04	2.08E-08	1.53E-05	3.39E-06	6.45E-04
5427	488144.76	3857758.71	1.38E-03	2.54E-08	1.56E-05	3.41E-06	1.40E-03	6.52E-04	1.05E-02	1.17E-03	1.25E-04	1.24E-02	6.20E-04	2.09E-08	1.56E-05	3.41E-06	6.39E-04
5428	488335.58	3857932.55	1.05E-03	2.83E-08	3.47E-04	4.14E-06	1.40E-03	4.96E-04	1.16E-02	2.60E-02	1.52E-04	3.83E-02	4.72E-04	2.32E-08	3.47E-04	4.14E-06	8.23E-04
5429	488372.29	3857943.79	1.04E-03	2.83E-08	3.40E-04	4.18E-06	1.38E-03	4.89E-04	1.17E-02	2.55E-02	1.53E-04	3.78E-02	4.65E-04	2.32E-08	3.40E-04	4.18E-06	8.09E-04
5430	488828.64	3857936.4	1.07E-03	2.54E-08	1.05E-04	3.87E-06	1.17E-03	5.03E-04	1.05E-02	7.87E-03	1.42E-04	1.90E-02	4.78E-04	2.09E-08	1.05E-04	3.87E-06	5.87E-04
5431	488829.08	3857959.58	1.04E-03	2.58E-08	1.01E-04	3.95E-06	1.14E-03	4.89E-04	1.06E-02	7.61E-03	1.45E-04	1.89E-02	4.65E-04	2.12E-08	1.01E-04	3.95E-06	5.70E-04
5432	488351.61	3857964.55	1.01E-03	2.89E-08	3.72E-04	4.31E-06	1.38E-03	4.75E-04	1.19E-02	2.79E-02	1.58E-04	4.05E-02	4.51E-04	2.37E-08	3.72E-04	4.31E-06	8.28E-04
5433	488316.87	3857947.65	1.03E-03	2.87E-08	3.83E-04	4.23E-06	1.42E-03	4.86E-04	1.18E-02	2.87E-02	1.55E-04	4.12E-02	4.62E-04	2.35E-08	3.83E-04	4.23E-06	8.49E-04
5434	488129.1	3857775.77	1.34E-03	2.57E-08	1.66E-05	3.48E-06	1.36E-03	6.34E-04	1.06E-02	1.24E-03	1.28E-04	1.26E-02	6.03E-04	2.11E-08	1.66E-05	3.48E-06	6.23E-04
5435	488062.53	3857846.13	1.20E-03	2.74E-08	2.15E-05	3.81E-06	1.23E-03	5.67E-04	1.13E-02	1.61E-03	1.40E-04	1.36E-02	5.39E-04	2.25E-08	2.15E-05	3.81E-06	5.65E-04
5436	488330.41	3858091.34	8.68E-04	3.20E-08	1.55E-04	5.14E-06	1.03E-03	4.09E-04	1.32E-02	1.16E-02	1.88E-04	2.54E-02	3.89E-04	2.62E-08	1.55E-04	5.14E-06	5.49E-04
5437	488470.87	3858174.45	7.85E-04	3.33E-08	6.23E-05	5.44E-06	8.53E-04	3.70E-04	1.37E-02	4.68E-03	2.00E-04	1.90E-02	3.52E-04	2.73E-08	6.23E-05	5.44E-06	4.20E-04
5438	488568.9	3858262.31	7.09E-04	3.54E-08	3.03E-05	5.70E-06	7.45E-04	3.34E-04	1.46E-02	2.27E-03	2.09E-04	1.74E-02	3.18E-04	2.91E-08	3.03E-05	5.70E-06	3.54E-04
5439	488964.27	3858025.71	9.60E-04	2.61E-08	6.74E-05	4.04E-06	1.03E-03	4.53E-04	1.08E-02	5.05E-03	1.48E-04	1.64E-02	4.31E-04	2.15E-08	6.74E-05	4.04E-06	5.02E-04
5440	489147.25	3857956.64	1.04E-03	2.38E-08	5.89E-05	3.69E-06	1.10E-03	4.89E-04	9.81E-03	4.42E-03	1.35E-04	1.48E-02	4.65E-04	1.95E-08	5.89E-05	3.69E-06	5.28E-04
5441	489343.52	3857932.45	1.05E-03	2.22E-08	4.70E-05	3.48E-06	1.10E-03	4.96E-04	9.16E-03	3.52E-03	1.28E-04	1.33E-02	4.72E-04	1.82E-08	4.70E-05	3.48E-06	5.22E-04
5442	489866.19	3857923.19	9.97E-04	1.96E-08	2.89E-05	3.25E-06	1.03E-03	4.70E-04	8.09E-03	2.17E-03	1.19E-04	1.08E-02	4.47E-04	1.61E-08	2.89E-05	3.25E-06	4.79E-04
5443	489955.65	3857902.27	1.00E-03	1.89E-08	2.76E-05	3.20E-06	1.03E-03	4.72E-04	7.80E-03	2.07E-03	1.17E-04	1.05E-02	4.49E-04	1.55E-08	2.76E-05	3.20E-06	4.80E-04
5444	490079.44	3857847.9	1.02E-03	1.82E-08	2.63E-05	3.09E-06	1.05E-03	4.81E-04	7.49E-03	1.98E-03	1.13E-04	1.01E-02	4.58E-04	1.49E-08	2.63E-05	3.09E-06	4.87E-04
5445	490108.49	3857934.13	9.52E-04	1.89E-08	2.42E-05	3.23E-06	9.80E-04	4.49E-04	7.77E-03	1.82E-03	1.18E-04	1.02E-02	4.27E-04	1.55E-08	2.42E-05	3.23E-06	4.55E-04
5446	489884.48	3858014.17	9.24E-04	2.06E-08	2.56E-05	3.41E-06	9.53E-04	4.36E-04	8.51E-03	1.92E-03	1.25E-04	1.10E-02	4.15E-04	1.69E-08	2.56E-05	3.41E-06	4.44E-04
5447	489326.56	3858025.86	9.61E-04	2.37E-08	4.12E-05	3.69E-06	1.01E-03	4.53E-04	9.76E-03	3.09E-03	1.35E-04	1.34E-02	4.31E-04	1.94E-08	4.12E-05	3.69E-06	4.76E-04
5448	489130.38	3858056.71	9.36E-04	2.53E-08	4.83E-05	3.94E-06	9.88E-04	4.41E-04	1.04E-02	3.62E-03	1.45E-04	1.46E-02	4.20E-04	2.08E-08	4.83E-05	3.94E-06	4.72E-04
5449	488936.49	3858143.93	8.32E-04	2.85E-08	4.51E-05	4.43E-06	8.82E-04	3.92E-04	1.18E-02	3.38E-03	1.62E-04	1.57E-02	3.73E-04	2.34E-08	4.51E-05	4.43E-06	4.23E-04
5450	488638.08	3858327.45	6.68E-04	3.64E-08	2.00E-05	5.83E-06	6.93E-04	3.15E-04	1.50E-02	1.50E-03	2.14E-04	1.70E-02	2.99E-04	2.99E-08	2.00E-05	5.83E-06	3.25E-04
5451	488663.79	3858349.57	6.55E-04	3.67E-08	1.77E-05	5.86E-06	6.79E-04	3.09E-04	1.51E-02	1.33E-03	2.15E-04	1.70E-02	2.94E-04	3.01E-08	1.77E-05	5.86E-06	3.17E-04
5452	488694.56	3858349.5	6.54E-04	3.62E-08	1.82E-05	5.76E-06	6.78E-04	3.08E-04	1.49E-02	1.37E-03	2.11E-04	1.68E-02	2.93E-04	2.97E-08	1.82E-05	5.76E-06	3.17E-04
5453	488694.35	3858336.75	6.61E-04	3.58E-08	1.98E-05	5.70E-06	6.86E-04	3.12E-04	1.48E-02	1.48E-03	2.09E-04	1.68E-02	2.96E-04	2.94E-08	1.98E-05	5.70E-06	3.22E-04
5454	488712.81	3858336.38	6.61E-04	3.56E-08	2.00E-05	5.64E-06	6.86E-04	3.12E-04	1.47E-02	1.50E-03	2.07E-04	1.67E-02	2.96E-04	2.92E-08	2.00E-05	5.64E-06	3.22E-04
5455	488713.23	3858367.46	6.43E-04	3.65E-08	1.66E-05	5.79E-06	6.66E-04	3.03E-04	1.50E-02	1.24E-03	2.12E-04	1.68E-02	2.89E-04	2.99E-08	1.66E-05	5.79E-06	3.11E-04
5456	488704.63	3858384.05	6.35E-04	3.71E-08	1.48E-05	5.90E-06	6.56E-04	3.00E-04	1.53E-02	1.11E-03	2.16E-04	1.69E-02	2.85E-04	3.05E-08	1.48E-05	5.90E-06	3.06E-04
5457	488604.15	3858488.29	5.98E-04	4.25E-08	6.64E-06	6.77E-06	6.12E-04	2.82E-04	1.75E-02	4.98E-04	2.48E-04	1.86E-02	2.68E-04	3.49E-08	6.64E-06	6.77E-06	2.82E-04
5458	488605.66	3858550.47	5.74E-04	4.54E-08	4.93E-06	6.98E-06	5.86E-04	2.71E-04	1.87E-02	3.69E-04	2.56E-04	1.96E-02	2.58E-04	3.73E-08	4.93E-06	6.98E-06	2.70E-04
5459	488692.68	3858548.71	5.68E-04	4.39E-08	5.73E-06	6.61E-06	5.81E-04	2.68E-04	1.81E-02	4.30E-04	2.42E-04	1.90E-02	2.55E-04	3.61E-08	5.73E-06	6.61E-06	2.67E-04
5460	488759.93	3858461.81	5.97E-04	3.89E-08	1.00E-05	6.07E-06	6.13E-04	2.82E-04	1.60E-02	7.53E-04	2.23E-04	1.73E-02	2.68E-04	3.19E-08	1.00E-05	6.07E-06	2.84E-04
5461	488816.57	3858541.79	5.62E-04	4.17E-08	7.15E-06	6.17E-06	5.75E-04	2.65E-04	1.72E-02	5.37E-04	2.26E-04	1.82E-02	2.52E-04	3.42E-08	7.15E-06	6.17E-06	2.65E-04
5462	488944.63	3858656.77	5.16E-04	4.73E-08	5.13E-06	6.25E-06	5.27E-04	2.43E-04	1.95E-02	3.85E-04	2.29E-04	2.03E-02	2.31E-04	3.88E-08	5.13E-06	6.25E-06	2.43E-04
5463	489134.91	3858830.7	4.58E-04	5.89E-08	3.53E-06	6.97E-06	4.69E-04	2.16E-04	2.43E-02	2.65E-04	2.56E-04	2.50E-02	2.05E-04	4.83E-08	3.53E-06	6.97E-06	2.16E-04
5464	489193.99	3858886.05	4.42E-04	6.20E-08	3.21E-06	7.37E-06	4.53E-04	2.08E-04	2.56E-02	2.41E-04	2.70E-04	2.63E-02	1.98E-04	5.09E-08	3.21E-06	7.37E-06	2.09E-04
5465	489295.2	3858954.34	4.21E-04	6.31E-08	2.94E-06	7.75E-06	4.32E-04	1.99E-04	2.60E-02	2.20E-04	2.84E-04	2.67E-02	1.89E-04	5.18E-08	2.94E-06	7.75E-06	2.00E-04
5466	489295.64	3858992.74	4.14E-04	6.59E-08	2.71E-06	8.10E-06	4.25E-04	1.95E-04	2.72E-02	2.03E-04	2.97E-04	2.79E-02	1.86E-04	5.41E-08	2.71E-06	8.10E-06	1.96E-04
5467	489183.74	3858911.72	4.37E-04	6.51E-08	2.99E-06	7.63E-06	4.48E-04	2.06E-04	2.68E-02	2.24E-04	2.80E-04	2.75E-02	1.96E-04	5.34E-08	2.99E-06	7.63E-06	2.07E-04
5468	488873.37	3858625.59	5.30E-04	4.60E-08	5.33E-06	6.27E-06	5.42E-04	2.50E-04	1.89E-02	3.99E-04	2.30E-04	1.98E-02	2.38E-04	3.77E-08	5.33E-06	6.27E-06	2.50E-04
5469	488842.84	3858658.69	5.22E-04	4.93E-08	4.50E-06	6.49E-06	5.33E-04	2.46E-04	2.03E-02	3.37E-04	2.38E-04	2.11E-02	2.34E-04	4.05E-08	4.50E-06	6.49E-06	2.45E-04
5470	488856.39	3858670.93	5.18E-04	5.01E-08	4.38E-06	6.51E-06	5.29E-04	2.44E-04	2.06E-02	3.28E-04	2.39E-04	2.15E-02	2.32E-04	4.11E-08	4.38E-06	6.51E-06	2.43E-04
5471	488805.7	3858724.5	5.06E-04	5.73E-08	3.42E-06	6.93E-06	5.16E-04	2.39E-04	2.36E-02	2.56E-04	2.54E-04	2.44E-02	2.27E-04	4.70E-08	3.42E-06	6.93E-06	2.37E-04
5472	488805.87	3858804.16	4.83E-04	7.03E-08	2.72E-06	7.47E-06	4.93E-04	2.28E-04	2.89E-02	2.04E-04	2.74E-04	2.97E-02	2.16E-04	5.77E-08	2.72E-06	7.47E-06	2.27E-04
5473	488995.78	3858936.96	4.42E-04	8.21E-08	2.39E-06	8.28E-06	4.53E-04	2.08E-04	3.38E-02	1.79E-04	3.04E-04	3.45E-02	1.98E-04	6.73E-08	2.39E-06	8.28E-06	2.09E-04
5474	489130.76	3859017.38	4.19E-04	7.94E-08	2.28E-06	8.91E-06	4.30E-04	1.98E-04	3.27E-02	1.71E-04	3.27E-04	3.34E-02	1.88E-04	6.51E-08	2.28E-06	8.91E-06	1.99E-04
5475	489130.92	3859052.24	4.12E-04	8.21E-08	2.13E-06	9.35E-06	4.24E-04	1.94E-04	3.38E-02	1.60E-04	3.43E-04	3.45E-02	1.85E-04	6.74E-08	2.13E-06	9.35E-06	1.96E-04
5476	489200.33	3859090.6	4.01E-04	7.86E-08	2.09E-06	9.56E-06	4.13E-04	1.89E-04	3.24E-02	1.57E-04	3.50E-04	3.31E-02	1.80E-04	6.45E-08	2.09E-06	9.56E-06	1.92E-04
5477	489296.07	3859143.7	3.87E-04	7.39E-08	2.04E-06	9.81E-06	3.99E-04	1.83E-04	3.04E-02	1.53E-04	3.60E-04	3.11E-02	1.74E-04	6.06E-08	2.04E-06	9.81E-06	1.85E-04
5478	489296.43	3858954.74	4.21E-04	6.31E-08	2.94E-06	7.75E-06	4.32E-04	1.99E-04	2.60E-02	2.20E-04	2.84E-04	2.67E-02	1.89E-04	5.18E-08	2.94E-06	7.75E-06	2.00E-04
5479	489410.33	3859033.19	4.00E-04	6.21E-08	2.68E-06	8.11E-06	4.11E-04	1.89E-04	2.56E-02	2.01E-04	2.97E-04	2.63E-02	1.79E-04	5.09E-08	2.68E-06	8.11E-06	1.90E-04
5480	489371.37	3859089.8	3.92E-04	6.69E-08	2.36E-06	8.83E-06	4.03E-04	1.85E-04	2.76E-02	1.77E-04	3.24E-04	2.83E-02	1.76E-04	5.49E-08	2.36E-06	8.83E-06	1.87E-04
5481	489390.52	3859102.82	3.89E-04	6.63E-08	2.33E-06	8.90E-06	4.00E-04	1.83E-04	2.73E-02	1.75E-04	3.26E-04	2.80E-02	1.74E-04	5.44E-08	2.33E-06	8.90E-06	1.86E-04
5482	489382.3	3859114.53	3.87E-04	6.72E-08	2.27E-06	9.06E-06	3.99E-04	1.83E-04	2.77E-02	1.70E-04	3.32E-04	2.84E-02	1.74E-04	5.51E-08	2.27E-06	9.06E-06	1.85E-04
5483	489363.04	3859102.45	3.90E-04	6.79E-08	2.30E-06	9.00E-06	4.02E-04	1.84E-04	2.80E-02	1.72E-04	3.30E-04	2.86E-02	1.75E-04	5.57E-08	2.30E-06	9.00E-06	1.86E-04
5484	489337.52	3859140.71	3.85E-04	7.10E-08	2.11E-06	9.58E-06	3.97E-04	1.82E-04	2.92E-02	1.58E-04	3.51E-04	2.99E-02	1.73E-04	5.83E-08	2.11E-06	9.58E-06	1.85E-04
5485	489375.14	3859164.55	3.79E-04	6.93E-08	2.08E-06	9.68E-06	3.91E-04	1.79E-04	2.85E-02	1.56E-04	3.55E-04	2.92E-02	1.70E-04	5.68E-08	2.08E-06	9.68E-06	1.82E-04
5486	489409.3	3859114.5	3.85E-04	6.57E-08	2.31E-06	8.95E-06	3.97E-04	1.82E-04	2.71E-02	1.73E-04	3.28E-04	2.78E-02	1.73E-04	5.39E-08	2.31E-06	8.95E-06	1.84E-04

5487	489434.87	3859131.81	3.81E-04	6.48E-08	2.28E-06	9.03E-06	3.93E-04	1.80E-04	2.67E-02	1.71E-04	3.31E-04	2.74E-02	1.71E-04	5.32E-08	2.28E-06	9.03E-06	1.82E-04
5488	489471.87	3859075.75	3.89E-04	6.08E-08	2.56E-06	8.31E-06	4.00E-04	1.83E-04	2.51E-02	1.92E-04	3.05E-04	2.57E-02	1.74E-04	4.99E-08	2.56E-06	8.31E-06	1.85E-04
5489	489602.62	3859164.69	3.67E-04	5.74E-08	2.35E-06	8.56E-06	3.78E-04	1.73E-04	2.36E-02	1.76E-04	3.14E-04	2.43E-02	1.65E-04	4.71E-08	2.35E-06	8.56E-06	1.76E-04
5490	489558.29	3859232.45	3.59E-04	6.04E-08	2.08E-06	9.29E-06	3.71E-04	1.70E-04	2.49E-02	1.56E-04	3.41E-04	2.55E-02	1.61E-04	4.95E-08	2.08E-06	9.29E-06	1.73E-04
5491	489620.11	3859273.56	3.50E-04	5.80E-08	2.01E-06	9.18E-06	3.61E-04	1.65E-04	2.39E-02	1.51E-04	3.37E-04	2.46E-02	1.57E-04	4.76E-08	2.01E-06	9.18E-06	1.68E-04
5492	489666.06	3859206.42	3.57E-04	5.55E-08	2.26E-06	8.54E-06	3.68E-04	1.69E-04	2.29E-02	1.69E-04	3.13E-04	2.35E-02	1.60E-04	4.56E-08	2.26E-06	8.54E-06	1.71E-04
5493	489787.9	3859285.65	3.40E-04	5.18E-08	2.11E-06	8.28E-06	3.51E-04	1.60E-04	2.13E-02	1.58E-04	3.04E-04	2.19E-02	1.53E-04	4.25E-08	2.11E-06	8.28E-06	1.63E-04
5494	489752.17	3859343.13	3.34E-04	5.30E-08	1.93E-06	8.71E-06	3.45E-04	1.57E-04	2.19E-02	1.45E-04	3.19E-04	2.25E-02	1.50E-04	4.35E-08	1.93E-06	8.71E-06	1.60E-04
5495	489814.94	3859385.33	3.26E-04	5.09E-08	1.88E-06	8.51E-06	3.36E-04	1.54E-04	2.10E-02	1.41E-04	3.12E-04	2.16E-02	1.46E-04	4.17E-08	1.88E-06	8.51E-06	1.56E-04
5496	489853.42	3859330.74	3.31E-04	4.98E-08	2.03E-06	8.10E-06	3.41E-04	1.56E-04	2.05E-02	1.52E-04	2.97E-04	2.11E-02	1.48E-04	4.08E-08	2.03E-06	8.10E-06	1.59E-04
5497	489969.5	3859401.91	3.17E-04	4.65E-08	1.92E-06	7.75E-06	3.27E-04	1.49E-04	1.91E-02	1.44E-04	2.84E-04	1.97E-02	1.42E-04	3.81E-08	1.92E-06	7.75E-06	1.52E-04
5498	490166.91	3859486.96	2.99E-04	4.20E-08	1.83E-06	7.00E-06	3.08E-04	1.41E-04	1.73E-02	1.37E-04	2.57E-04	1.79E-02	1.34E-04	3.45E-08	1.83E-06	7.00E-06	1.43E-04
5499	490128.86	3859571.46	2.89E-04	4.27E-08	1.65E-06	7.18E-06	2.98E-04	1.36E-04	1.76E-02	1.24E-04	2.63E-04	1.81E-02	1.30E-04	3.50E-08	1.65E-06	7.18E-06	1.39E-04
5500	490186.65	3859593.65	2.85E-04	4.15E-08	1.64E-06	6.89E-06	2.93E-04	1.34E-04	1.71E-02	1.23E-04	2.53E-04	1.76E-02	1.28E-04	3.41E-08	1.64E-06	6.89E-06	1.36E-04
5501	490223.74	3859517.48	2.93E-04	4.09E-08	1.79E-06	6.77E-06	3.02E-04	1.38E-04	1.68E-02	1.34E-04	2.48E-04	1.74E-02	1.32E-04	3.35E-08	1.79E-06	6.77E-06	1.40E-04
5502	490846.34	3859817.22	2.51E-04	3.08E-08	1.56E-06	4.34E-06	2.57E-04	1.18E-04	1.27E-02	1.17E-04	1.59E-04	1.31E-02	1.13E-04	2.53E-08	1.56E-06	4.34E-06	1.18E-04
5503	490925.65	3859844.59	2.48E-04	2.97E-08	1.55E-06	4.12E-06	2.54E-04	1.17E-04	1.22E-02	1.16E-04	1.51E-04	1.26E-02	1.11E-04	2.44E-08	1.55E-06	4.12E-06	1.17E-04
5504	491159.29	3859896.28	2.41E-04	2.74E-08	1.53E-06	3.65E-06	2.46E-04	1.13E-04	1.13E-02	1.14E-04	1.34E-04	1.16E-02	1.08E-04	2.25E-08	1.53E-06	3.65E-06	1.13E-04
5505	491370.69	3859960.89	2.32E-04	2.53E-08	1.46E-06	3.28E-06	2.37E-04	1.09E-04	1.04E-02	1.10E-04	1.20E-04	1.08E-02	1.04E-04	2.08E-08	1.46E-06	3.28E-06	1.09E-04
5506	491330.28	3860063.17	2.18E-04	2.51E-08	1.32E-06	3.14E-06	2.23E-04	1.03E-04	1.04E-02	9.87E-05	1.15E-04	1.07E-02	9.79E-05	2.06E-08	1.32E-06	3.14E-06	1.02E-04
5507	491636.45	3860180.75	2.08E-04	2.18E-08	1.26E-06	2.62E-06	2.12E-04	9.80E-05	8.96E-03	9.48E-05	9.62E-05	9.25E-03	9.31E-05	1.79E-08	1.26E-06	2.62E-06	9.71E-05
5508	491617.94	3860203.93	2.05E-04	2.17E-08	1.24E-06	2.59E-06	2.09E-04	9.67E-05	8.94E-03	9.28E-05	9.48E-05	9.23E-03	9.20E-05	1.78E-08	1.24E-06	2.59E-06	9.58E-05
5509	491805.68	3860271.59	1.99E-04	1.99E-08	1.21E-06	2.34E-06	2.03E-04	9.40E-05	8.19E-03	9.07E-05	8.57E-05	8.46E-03	8.94E-05	1.63E-08	1.21E-06	2.34E-06	9.29E-05
5510	491654.23	3860414.02	1.87E-04	1.95E-08	1.07E-06	2.11E-06	1.90E-04	8.82E-05	8.05E-03	8.01E-05	7.75E-05	8.29E-03	8.38E-05	1.60E-08	1.07E-06	2.11E-06	8.70E-05
5511	491592.62	3860510.76	1.79E-04	1.88E-08	9.91E-07	1.92E-06	1.82E-04	8.45E-05	7.75E-03	7.43E-05	7.06E-05	7.98E-03	8.04E-05	1.54E-08	9.91E-07	1.92E-06	8.33E-05
5512	491475.41	3860368.93	1.89E-04	2.10E-08	1.06E-06	2.25E-06	1.92E-04	8.92E-05	8.67E-03	7.96E-05	8.26E-05	8.92E-03	8.48E-05	1.73E-08	1.06E-06	2.25E-06	8.81E-05
5513	491445.61	3860337.28	1.92E-04	2.16E-08	1.08E-06	2.34E-06	1.95E-04	9.03E-05	8.90E-03	8.09E-05	8.58E-05	9.15E-03	8.59E-05	1.77E-08	1.08E-06	2.34E-06	8.93E-05
5514	491399.05	3860300.37	1.95E-04	2.24E-08	1.10E-06	2.46E-06	1.98E-04	9.19E-05	9.21E-03	8.25E-05	9.02E-05	9.48E-03	8.74E-05	1.84E-08	1.10E-06	2.46E-06	9.10E-05
5515	491228.84	3860235.98	2.01E-04	2.45E-08	1.13E-06	2.75E-06	2.05E-04	9.49E-05	1.01E-02	8.45E-05	1.01E-04	1.04E-02	9.02E-05	2.01E-08	1.13E-06	2.75E-06	9.41E-05
5516	491228.47	3860174.57	2.07E-04	2.51E-08	1.18E-06	2.92E-06	2.11E-04	9.74E-05	1.04E-02	8.83E-05	1.07E-04	1.07E-02	9.27E-05	2.06E-08	1.18E-06	2.92E-06	9.68E-05
5517	491145.77	3860112.55	2.13E-04	2.66E-08	1.22E-06	3.20E-06	2.18E-04	1.01E-04	1.09E-02	9.18E-05	1.17E-04	1.12E-02	9.57E-05	2.18E-08	1.22E-06	3.20E-06	1.00E-04
5518	490844.41	3859966.22	2.33E-04	3.09E-08	1.34E-06	3.99E-06	2.38E-04	1.10E-04	1.27E-02	1.01E-04	1.46E-04	1.31E-02	1.05E-04	2.53E-08	1.34E-06	3.99E-06	1.10E-04
5519	490845.55	3859928.15	2.37E-04	3.10E-08	1.39E-06	4.08E-06	2.42E-04	1.12E-04	1.28E-02	1.04E-04	1.50E-04	1.31E-02	1.06E-04	2.54E-08	1.39E-06	4.08E-06	1.12E-04
5520	490046.91	3859625.6	2.87E-04	4.41E-08	1.55E-06	7.52E-06	2.96E-04	1.36E-04	1.82E-02	1.16E-04	2.76E-04	1.87E-02	1.29E-04	3.62E-08	1.55E-06	7.52E-06	1.38E-04
5521	489970.48	3859589.4	2.95E-04	4.58E-08	1.58E-06	8.00E-06	3.04E-04	1.39E-04	1.89E-02	1.18E-04	2.93E-04	1.94E-02	1.32E-04	3.76E-08	1.58E-06	8.00E-06	1.42E-04
5522	489865.89	3859529.06	3.07E-04	4.85E-08	1.63E-06	8.63E-06	3.17E-04	1.45E-04	2.00E-02	1.22E-04	3.16E-04	2.06E-02	1.37E-04	3.98E-08	1.63E-06	8.63E-06	1.48E-04
5523	489826.89	3859531.74	3.08E-04	4.95E-08	1.61E-06	8.89E-06	3.19E-04	1.45E-04	2.04E-02	1.21E-04	3.26E-04	2.10E-02	1.38E-04	4.06E-08	1.61E-06	8.89E-06	1.49E-04
5524	489410.47	3859303.06	3.56E-04	6.89E-08	1.73E-06	1.08E-05	3.68E-04	1.68E-04	2.84E-02	1.30E-04	3.97E-04	2.91E-02	1.59E-04	5.65E-08	1.73E-06	1.08E-05	1.72E-04
5525	489407.15	3859286.09	3.58E-04	6.91E-08	1.77E-06	1.07E-05	3.71E-04	1.69E-04	2.85E-02	1.32E-04	3.93E-04	2.91E-02	1.61E-04	5.67E-08	1.77E-06	1.07E-05	1.73E-04
5526	488806.07	3858963.62	4.35E-04	1.19E-07	1.96E-06	9.05E-06	4.47E-04	2.05E-04	4.91E-02	1.47E-04	3.32E-04	4.98E-02	1.95E-04	9.77E-08	1.96E-06	9.05E-06	2.06E-04
5527	488817.64	3859546.3	2.96E-04	1.39E-07	9.47E-07	2.46E-05	3.22E-04	1.40E-04	5.71E-02	7.10E-05	9.03E-04	5.82E-02	1.33E-04	1.14E-07	9.47E-07	2.46E-05	1.59E-04
5528	489187.25	3859549.52	3.05E-04	7.64E-08	1.23E-06	1.68E-05	3.24E-04	1.44E-04	3.15E-02	9.21E-05	6.15E-04	3.23E-02	1.37E-04	6.27E-08	1.23E-06	1.68E-05	1.55E-04
5529	489187.66	3859523.74	3.11E-04	7.82E-08	1.25E-06	1.63E-05	3.28E-04	1.47E-04	3.22E-02	9.41E-05	5.99E-04	3.31E-02	1.39E-04	6.42E-08	1.25E-06	1.63E-05	1.57E-04
5530	489232.59	3859522.85	3.13E-04	7.48E-08	1.28E-06	1.55E-05	3.30E-04	1.48E-04	3.08E-02	9.59E-05	5.69E-04	3.16E-02	1.40E-04	6.14E-08	1.28E-06	1.55E-05	1.57E-04
5531	489224.98	3859759.91	2.70E-04	6.53E-08	1.06E-06	1.63E-05	2.87E-04	1.27E-04	2.69E-02	7.94E-05	5.98E-04	2.77E-02	1.21E-04	5.36E-08	1.06E-06	1.63E-05	1.38E-04
5532	488401.39	3859763.34	2.54E-04	1.83E-07	7.71E-07	4.76E-05	3.03E-04	1.20E-04	7.54E-02	5.79E-05	1.74E-03	7.73E-02	1.14E-04	1.50E-07	7.71E-07	4.76E-05	1.63E-04
5533	488405.51	3859966.16	2.29E-04	1.87E-07	7.17E-07	1.37E-05	2.44E-04	1.08E-04	7.72E-02	5.38E-05	5.04E-04	7.78E-02	1.03E-04	1.54E-07	7.17E-07	1.37E-05	1.17E-04
5534	489202.85	3859956.57	2.43E-04	7.02E-08	8.84E-07	1.44E-05	2.58E-04	1.14E-04	2.89E-02	6.63E-05	5.27E-04	2.96E-02	1.09E-04	5.76E-08	8.84E-07	1.44E-05	1.24E-04
5535	489191.9	3860676.74	1.74E-04	4.99E-08	5.20E-07	3.19E-06	1.78E-04	8.21E-05	2.06E-02	3.90E-05	1.17E-04	2.08E-02	7.81E-05	4.10E-08	5.20E-07	3.19E-06	8.19E-05
5536	488392.82	3860687.88	1.65E-04	4.84E-08	6.22E-07	3.05E-06	1.69E-04	7.78E-05	1.99E-02	4.66E-05	1.12E-04	2.02E-02	7.40E-05	3.97E-08	6.22E-07	3.05E-06	7.77E-05
5537	488392.82	3860760.27	1.61E-04	3.57E-08	6.18E-07	2.47E-06	1.64E-04	7.60E-05	1.47E-02	4.64E-05	9.07E-05	1.49E-02	7.22E-05	2.93E-08	6.18E-07	2.47E-06	7.54E-05
5538	487549.05	3860777.45	1.55E-04	2.01E-08	5.81E-07	1.52E-06	1.57E-04	7.31E-05	8.26E-03	4.36E-05	5.58E-05	8.44E-03	6.95E-05	1.65E-08	5.81E-07	1.52E-06	7.16E-05
5539	487554.62	3859571.83	2.65E-04	8.11E-08	7.90E-07	5.69E-06	2.71E-04	1.25E-04	3.34E-02	5.93E-05	2.09E-04	3.38E-02	1.19E-04	6.66E-08	7.90E-07	5.69E-06	1.25E-04
5540	485949.46	3859558.54	2.62E-04	1.87E-08	1.23E-06	1.51E-06	2.65E-04	1.24E-04	7.70E-03	9.21E-05	5.53E-05	7.98E-03	1.18E-04	1.53E-08	1.23E-06	1.51E-06	1.20E-04
5541	485947.55	3857943.61	8.25E-04	4.27E-08	1.78E-06	2.07E-06	8.29E-04	3.89E-04	1.76E-02	1.33E-04	7.57E-05	1.82E-02	3.70E-04	3.50E-08	1.78E-06	2.07E-06	3.74E-04
5542	484738.38	3857940.21	6.28E-04	1.95E-08	1.15E-06	1.35E-06	6.30E-04	2.96E-04	8.04E-03	8.66E-05	4.97E-05	8.47E-03	2.82E-04	1.60E-08	1.15E-06	1.35E-06	2.84E-04
5543	484737.06	3857535.68	8.08E-04	3.61E-08	1.16E-06	1.69E-06	8.11E-04	3.81E-04	1.49E-02	8.73E-05	6.20E-05	1.54E-02	3.62E-04	2.96E-08	1.16E-06	1.69E-06	3.65E-04
5544	483730.2	3857530.13	5.64E-04	1.89E-08	8.84E-07	1.61E-06	5.67E-04	2.66E-04	7.78E-03	6.63E-05	5.91E-05	8.17E-03	2.53E-04	1.55E-08	8.84E-07	1.61E-06	2.56E-04
5545	483727.27	3857130.01	6.65E-04	3.58E-08	9.82E-07	2.22E-06	6.69E-04	3.14E-04	1.48E-02	7.37E-05	8.15E-05	1.52E-02	2.98E-04	2.94E-08	9.82E-07	2.22E-06	3.02E-04
5546	483124.42	3857123.45	5.11E-04	1.77E-08	8.51E-07	1.62E-06	5.14E-04	2.41E-04	7.30E-03	6.38E-05	5.92E-05	7.66E-03	2.29E-04	1.45E-08	8.51E-07	1.62E-06	2.32E-04
5547	483111.13	3855921.03	6.90E-04	3.74E-08	7.18E-07	4.02E-06	6.94E-04	3.25E-04	1.54E-02	5.38E-05	1.48E-04	1.59E-02	3.09E-04	3.07E-08	7.18E-07	4.02E-06	3.14E-04

5548	482701.73	3855918.24	5.40E-04	1.89E-08	7.54E-07	2.48E-06	5.44E-04	2.55E-04	7.80E-03	5.65E-05	9.08E-05	8.20E-03	2.42E-04	1.55E-08	7.54E-07	2.48E-06	2.46E-04
5549	482668.02	3853521.78	2.02E-04	2.09E-09	2.98E-07	6.97E-07	2.03E-04	9.54E-05	8.60E-04	2.23E-05	2.55E-05	1.00E-03	9.07E-05	1.71E-09	2.98E-07	6.97E-07	9.17E-05
5550	482579.91	3853219.19	1.94E-04	1.79E-09	2.82E-07	6.00E-07	1.95E-04	9.16E-05	7.37E-04	2.12E-05	2.20E-05	8.72E-04	8.71E-05	1.47E-09	2.82E-07	6.00E-07	8.80E-05
5551	482434.06	3852961.94	1.86E-04	1.57E-09	2.69E-07	5.32E-07	1.87E-04	8.77E-05	6.47E-04	2.02E-05	1.95E-05	7.74E-04	8.34E-05	1.29E-09	2.69E-07	5.32E-07	8.42E-05
5552	482332.11	3852832.85	1.77E-04	1.48E-09	2.63E-07	5.01E-07	1.78E-04	8.37E-05	6.11E-04	1.97E-05	1.84E-05	7.33E-04	7.96E-05	1.22E-09	2.63E-07	5.01E-07	8.04E-05
5553	481334.99	3851818.96	1.18E-04	1.09E-09	2.23E-07	3.56E-07	1.19E-04	5.56E-05	4.49E-04	1.67E-05	1.31E-05	5.34E-04	5.29E-05	8.94E-10	2.23E-07	3.56E-07	5.35E-05
5554	481127.62	3851646.36	1.09E-04	1.06E-09	2.17E-07	3.40E-07	1.09E-04	5.13E-05	4.35E-04	1.63E-05	1.25E-05	5.15E-04	4.88E-05	8.67E-10	2.17E-07	3.40E-07	4.94E-05
5555	481025.04	3851591.73	1.04E-04	1.05E-09	2.15E-07	3.33E-07	1.05E-04	4.90E-05	4.31E-04	1.61E-05	1.22E-05	5.09E-04	4.66E-05	8.59E-10	2.15E-07	3.33E-07	4.72E-05
5556	480513.6	3851335.76	8.18E-05	9.81E-10	2.08E-07	3.08E-07	8.23E-05	3.86E-05	4.04E-04	1.56E-05	1.13E-05	4.70E-04	3.67E-05	8.05E-10	2.08E-07	3.08E-07	3.72E-05
5557	480523.56	3851317.66	8.28E-05	9.73E-10	2.08E-07	3.08E-07	8.33E-05	3.91E-05	4.01E-04	1.56E-05	1.13E-05	4.67E-04	3.71E-05	7.99E-10	2.08E-07	3.08E-07	3.77E-05
5558	476921.56	3849569.11	4.10E-05	5.81E-10	1.64E-07	2.25E-07	4.14E-05	1.93E-05	2.39E-04	1.23E-05	8.24E-06	2.79E-04	1.84E-05	4.77E-10	1.64E-07	2.25E-07	1.88E-05
5559	476521.19	3849373.96	3.91E-05	4.99E-10	1.60E-07	2.20E-07	3.94E-05	1.84E-05	2.05E-04	1.20E-05	8.08E-06	2.44E-04	1.75E-05	4.09E-10	1.60E-07	2.20E-07	1.79E-05
5560	476391.45	3849333.38	3.87E-05	4.79E-10	1.58E-07	2.20E-07	3.91E-05	1.83E-05	1.98E-04	1.19E-05	8.05E-06	2.36E-04	1.74E-05	3.93E-10	1.58E-07	2.20E-07	1.77E-05
5561	476219.41	3849304.29	3.85E-05	4.53E-10	1.56E-07	2.20E-07	3.89E-05	1.82E-05	1.87E-04	1.17E-05	8.05E-06	2.25E-04	1.73E-05	3.72E-10	1.56E-07	2.20E-07	1.76E-05
5562	475679.11	3849218.47	3.75E-05	3.86E-10	1.52E-07	2.20E-07	3.78E-05	1.77E-05	1.59E-04	1.14E-05	8.05E-06	1.96E-04	1.68E-05	3.17E-10	1.52E-07	2.20E-07	1.72E-05
5563	475677.71	3849233.88	3.77E-05	3.88E-10	1.52E-07	2.20E-07	3.81E-05	1.78E-05	1.60E-04	1.14E-05	8.08E-06	1.97E-04	1.69E-05	3.19E-10	1.52E-07	2.20E-07	1.73E-05
5564	475492.74	3849204.66	3.51E-05	3.22E-10	1.51E-07	2.19E-07	3.55E-05	1.66E-05	1.33E-04	1.13E-05	8.02E-06	1.68E-04	1.57E-05	2.64E-10	1.51E-07	2.19E-07	1.61E-05
5565	475497.64	3849158.75	3.57E-05	3.39E-10	1.51E-07	2.18E-07	3.61E-05	1.68E-05	1.40E-04	1.13E-05	7.99E-06	1.76E-04	1.60E-05	2.79E-10	1.51E-07	2.18E-07	1.64E-05
5566	475391.35	3849141.94	3.64E-05	3.58E-10	1.50E-07	2.18E-07	3.68E-05	1.72E-05	1.47E-04	1.12E-05	7.99E-06	1.84E-04	1.63E-05	2.94E-10	1.50E-07	2.18E-07	1.67E-05
5567	475277	3849095.47	3.62E-05	3.61E-10	1.49E-07	2.17E-07	3.66E-05	1.71E-05	1.49E-04	1.12E-05	7.96E-06	1.85E-04	1.63E-05	2.96E-10	1.49E-07	2.17E-07	1.66E-05
5568	475183.93	3849025.66	3.56E-05	3.55E-10	1.48E-07	2.15E-07	3.59E-05	1.68E-05	1.46E-04	1.11E-05	7.89E-06	1.82E-04	1.59E-05	2.91E-10	1.48E-07	2.15E-07	1.63E-05
5569	474453.23	3848378.77	3.07E-05	3.14E-10	1.39E-07	2.01E-07	3.10E-05	1.45E-05	1.29E-04	1.05E-05	7.36E-06	1.62E-04	1.38E-05	2.58E-10	1.39E-07	2.01E-07	1.41E-05
5570	474569.63	3848399.34	3.06E-05	3.09E-10	1.40E-07	2.01E-07	3.09E-05	1.44E-05	1.27E-04	1.05E-05	7.36E-06	1.60E-04	1.37E-05	2.53E-10	1.40E-07	2.01E-07	1.41E-05
5571	474644.33	3848464.52	3.11E-05	3.14E-10	1.41E-07	2.02E-07	3.14E-05	1.47E-05	1.29E-04	1.06E-05	7.42E-06	1.62E-04	1.39E-05	2.58E-10	1.41E-07	2.02E-07	1.43E-05
5572	474719.04	3848529.7	3.16E-05	3.18E-10	1.42E-07	2.03E-07	3.19E-05	1.49E-05	1.31E-04	1.07E-05	7.45E-06	1.64E-04	1.42E-05	2.61E-10	1.42E-07	2.03E-07	1.45E-05
5573	474793.74	3848594.88	3.19E-05	3.19E-10	1.43E-07	2.05E-07	3.22E-05	1.50E-05	1.31E-04	1.07E-05	7.51E-06	1.65E-04	1.43E-05	2.62E-10	1.43E-07	2.05E-07	1.46E-05
5574	474868.45	3848660.07	3.21E-05	3.16E-10	1.44E-07	2.06E-07	3.24E-05	1.51E-05	1.30E-04	1.08E-05	7.55E-06	1.64E-04	1.44E-05	2.59E-10	1.44E-07	2.06E-07	1.47E-05
5575	474943.15	3848725.25	3.24E-05	3.17E-10	1.45E-07	2.08E-07	3.28E-05	1.53E-05	1.30E-04	1.08E-05	7.61E-06	1.64E-04	1.45E-05	2.60E-10	1.45E-07	2.08E-07	1.49E-05
5576	475017.86	3848790.43	3.30E-05	3.23E-10	1.45E-07	2.09E-07	3.34E-05	1.56E-05	1.33E-04	1.09E-05	7.67E-06	1.67E-04	1.48E-05	2.65E-10	1.45E-07	2.09E-07	1.52E-05
5577	475092.56	3848855.61	3.37E-05	3.32E-10	1.46E-07	2.11E-07	3.40E-05	1.59E-05	1.37E-04	1.10E-05	7.74E-06	1.71E-04	1.51E-05	2.72E-10	1.46E-07	2.11E-07	1.55E-05
5578	475232.58	3848959.38	3.47E-05	3.43E-10	1.47E-07	2.14E-07	3.50E-05	1.63E-05	1.41E-04	1.10E-05	7.83E-06	1.76E-04	1.55E-05	2.81E-10	1.47E-07	2.14E-07	1.59E-05
5579	475368.47	3849029.98	3.51E-05	3.45E-10	1.49E-07	2.14E-07	3.55E-05	1.66E-05	1.42E-04	1.12E-05	7.86E-06	1.78E-04	1.57E-05	2.83E-10	1.49E-07	2.14E-07	1.61E-05
5580	475609.57	3849096.09	3.53E-05	3.46E-10	1.51E-07	2.16E-07	3.57E-05	1.67E-05	1.43E-04	1.13E-05	7.93E-06	1.79E-04	1.59E-05	2.84E-10	1.51E-07	2.16E-07	1.62E-05
5581	475680.68	3849116.62	3.59E-05	3.62E-10	1.51E-07	2.16E-07	3.63E-05	1.70E-05	1.49E-04	1.14E-05	7.93E-06	1.85E-04	1.61E-05	2.97E-10	1.51E-07	2.16E-07	1.65E-05
5582	475843.76	3849151.52	3.65E-05	3.85E-10	1.52E-07	2.17E-07	3.69E-05	1.72E-05	1.58E-04	1.14E-05	7.96E-06	1.95E-04	1.64E-05	3.16E-10	1.52E-07	2.17E-07	1.68E-05
5583	475935.73	3849165.89	3.70E-05	4.08E-10	1.53E-07	2.17E-07	3.74E-05	1.75E-05	1.68E-04	1.15E-05	7.96E-06	2.05E-04	1.66E-05	3.34E-10	1.53E-07	2.17E-07	1.70E-05
5584	476027.71	3849180.27	3.73E-05	4.29E-10	1.54E-07	2.17E-07	3.77E-05	1.76E-05	1.77E-04	1.15E-05	7.96E-06	2.14E-04	1.67E-05	3.52E-10	1.54E-07	2.17E-07	1.71E-05
5585	476119.68	3849194.64	3.72E-05	4.27E-10	1.55E-07	2.17E-07	3.76E-05	1.75E-05	1.76E-04	1.16E-05	7.96E-06	2.13E-04	1.67E-05	3.50E-10	1.55E-07	2.17E-07	1.70E-05
5586	476211.65	3849209.01	3.73E-05	4.36E-10	1.56E-07	2.17E-07	3.76E-05	1.76E-05	1.80E-04	1.17E-05	7.96E-06	2.17E-04	1.67E-05	3.58E-10	1.56E-07	2.17E-07	1.71E-05
5587	476497.8	3849283.9	3.79E-05	4.82E-10	1.59E-07	2.18E-07	3.83E-05	1.79E-05	1.98E-04	1.19E-05	7.99E-06	2.36E-04	1.70E-05	3.95E-10	1.59E-07	2.18E-07	1.74E-05
5588	476603.73	3849323.77	3.83E-05	5.05E-10	1.61E-07	2.19E-07	3.87E-05	1.81E-05	2.08E-04	1.21E-05	8.02E-06	2.46E-04	1.72E-05	4.14E-10	1.61E-07	2.19E-07	1.76E-05
5589	476728.99	3849382.76	3.88E-05	5.29E-10	1.62E-07	2.20E-07	3.92E-05	1.83E-05	2.18E-04	1.21E-05	8.05E-06	2.56E-04	1.74E-05	4.34E-10	1.62E-07	2.20E-07	1.78E-05
5590	476801.27	3849418.65	3.92E-05	5.44E-10	1.62E-07	2.20E-07	3.96E-05	1.85E-05	2.24E-04	1.22E-05	8.08E-06	2.63E-04	1.76E-05	4.47E-10	1.62E-07	2.20E-07	1.80E-05
5591	476956.2	3849495.05	3.99E-05	5.78E-10	1.65E-07	2.22E-07	4.03E-05	1.88E-05	2.38E-04	1.24E-05	8.15E-06	2.78E-04	1.79E-05	4.74E-10	1.65E-07	2.22E-07	1.83E-05
5592	477038.84	3849535.56	4.02E-05	5.88E-10	1.66E-07	2.23E-07	4.06E-05	1.90E-05	2.42E-04	1.24E-05	8.18E-06	2.82E-04	1.80E-05	4.83E-10	1.66E-07	2.23E-07	1.84E-05
5593	477121.48	3849576.08	4.06E-05	6.05E-10	1.67E-07	2.24E-07	4.10E-05	1.92E-05	2.49E-04	1.25E-05	8.21E-06	2.89E-04	1.82E-05	4.96E-10	1.67E-07	2.24E-07	1.86E-05
5594	477204.13	3849616.6	4.10E-05	6.14E-10	1.68E-07	2.25E-07	4.14E-05	1.93E-05	2.53E-04	1.26E-05	8.24E-06	2.93E-04	1.84E-05	5.04E-10	1.68E-07	2.25E-07	1.88E-05
5595	477286.78	3849657.12	4.11E-05	6.04E-10	1.68E-07	2.26E-07	4.15E-05	1.94E-05	2.49E-04	1.26E-05	8.30E-06	2.89E-04	1.84E-05	4.96E-10	1.68E-07	2.26E-07	1.88E-05
5596	477369.42	3849697.63	4.17E-05	6.44E-10	1.69E-07	2.27E-07	4.21E-05	1.97E-05	2.65E-04	1.27E-05	8.34E-06	3.06E-04	1.87E-05	5.28E-10	1.69E-07	2.27E-07	1.91E-05
5597	477452.07	3849738.15	4.20E-05	6.55E-10	1.71E-07	2.28E-07	4.24E-05	1.98E-05	2.70E-04	1.28E-05	8.37E-06	3.11E-04	1.88E-05	5.37E-10	1.71E-07	2.28E-07	1.92E-05
5598	477534.71	3849778.67	4.25E-05	6.85E-10	1.72E-07	2.29E-07	4.29E-05	2.00E-05	2.82E-04	1.29E-05	8.40E-06	3.24E-04	1.90E-05	5.62E-10	1.72E-07	2.29E-07	1.94E-05
5599	477617.35	3849819.18	4.28E-05	6.95E-10	1.73E-07	2.31E-07	4.32E-05	2.02E-05	2.86E-04	1.29E-05	8.46E-06	3.28E-04	1.92E-05	5.70E-10	1.73E-07	2.31E-07	1.96E-05
5600	477824.74	3849896.37	4.33E-05	7.29E-10	1.75E-07	2.33E-07	4.37E-05	2.04E-05	3.00E-04	1.31E-05	8.56E-06	3.42E-04	1.94E-05	5.98E-10	1.75E-07	2.33E-07	1.98E-05
5601	477906.31	3849936.37	4.34E-05	7.11E-10	1.76E-07	2.35E-07	4.38E-05	2.04E-05	2.93E-04	1.32E-05	8.62E-06	3.35E-04	1.94E-05	5.84E-10	1.76E-07	2.35E-07	1.99E-05
5602	477987.89	3849976.36	4.38E-05	7.30E-10	1.77E-07	2.37E-07	4.42E-05	2.06E-05	3.01E-04	1.33E-05	8.68E-06	3.43E-04	1.96E-05	5.99E-10	1.77E-07	2.37E-07	2.00E-05
5603	478069.47	3850016.36	4.39E-05	7.19E-10	1.78E-07	2.39E-07	4.43E-05	2.07E-05	2.96E-04	1.33E-05	8.75E-06	3.39E-04	1.97E-05	5.90E-10	1.78E-07	2.39E-07	2.01E-05
5604	478151.04	3850056.35	4.40E-05	7.08E-10	1.79E-07	2.40E-07	4.45E-05	2.08E-05	2.92E-04	1.34E-05	8.81E-06	3.35E-04	1.97E-05	5.81E-10	1.79E-07	2.40E-07	2.02E-05
5605	478232.62	3850096.35	4.43E-05	7.16E-10	1.79E-07	2.42E-07	4.48E-05	2.09E-05	2.95E-04	1.35E-05	8.87E-06	3.38E-04	1.99E-05	5.88E-10	1.79E-07	2.42E-07	2.03E-05
5606	478314.2	3850136.34	4.47E-05	7.26E-10	1.80E-07	2.44E-07	4.51E-05	2.11E-05	2.99E-04	1.35E-05	8.94E-06	3.43E-04	2.01E-05	5.96E-10	1.80E-07	2.44E-07	2.05E-05
5607	478395.77	3850176.34	4.51E-05	7.36E-10	1.81E-07	2.46E-07	4.56E-05	2.13E-05	3.03E-04	1.36E-05	9.03E-06	3.47E-04	2.02E-05	6.04E-10	1.81E-07	2.46E-07	2.07E-05
5608	478575.43	3850244.45	4.58E-05	7.53E-10	1.83E-07	2.50E-07	4.62E-05	2.16E-05	3.10E-04	1.37E-05	9.16E-06	3.55E-04	2.05E-05	6.18E-10	1.83E-07	2.50E-07	2.10E-05

5609	478665.06	3850287.29	4.63E-05	7.63E-10	1.84E-07	2.52E-07	4.68E-05	2.19E-05	3.14E-04	1.38E-05	9.25E-06	3.59E-04	2.08E-05	6.26E-10	1.84E-07	2.52E-07	2.12E-05
5610	478754.69	3850330.14	4.71E-05	7.74E-10	1.85E-07	2.54E-07	4.75E-05	2.22E-05	3.19E-04	1.39E-05	9.31E-06	3.64E-04	2.11E-05	6.35E-10	1.85E-07	2.54E-07	2.15E-05
5611	478844.32	3850372.99	4.79E-05	7.88E-10	1.86E-07	2.56E-07	4.84E-05	2.26E-05	3.25E-04	1.40E-05	9.38E-06	3.71E-04	2.15E-05	6.47E-10	1.86E-07	2.56E-07	2.19E-05
5612	478933.95	3850415.84	4.99E-05	8.05E-10	1.87E-07	2.57E-07	5.04E-05	2.35E-05	3.32E-04	1.40E-05	9.44E-06	3.79E-04	2.24E-05	6.61E-10	1.87E-07	2.57E-07	2.28E-05
5613	479023.58	3850458.68	4.98E-05	8.04E-10	1.88E-07	2.60E-07	5.02E-05	2.35E-05	3.31E-04	1.41E-05	9.54E-06	3.78E-04	2.23E-05	6.60E-10	1.88E-07	2.60E-07	2.28E-05
5614	479110.66	3850441.9	5.15E-05	8.04E-10	1.88E-07	2.61E-07	5.19E-05	2.43E-05	3.31E-04	1.41E-05	9.57E-06	3.79E-04	2.31E-05	6.59E-10	1.88E-07	2.61E-07	2.35E-05
5615	479191.22	3850423.99	5.27E-05	7.94E-10	1.87E-07	2.62E-07	5.31E-05	2.48E-05	3.27E-04	1.40E-05	9.60E-06	3.75E-04	2.36E-05	6.51E-10	1.87E-07	2.62E-07	2.41E-05
5616	479274.32	3850465.71	5.40E-05	7.97E-10	1.88E-07	2.64E-07	5.44E-05	2.54E-05	3.29E-04	1.41E-05	9.69E-06	3.78E-04	2.42E-05	6.54E-10	1.88E-07	2.64E-07	2.47E-05
5617	479357.43	3850507.42	5.54E-05	7.91E-10	1.89E-07	2.67E-07	5.58E-05	2.61E-05	3.26E-04	1.42E-05	9.79E-06	3.76E-04	2.48E-05	6.49E-10	1.89E-07	2.67E-07	2.53E-05
5618	479440.53	3850549.14	5.55E-05	7.80E-10	1.89E-07	2.70E-07	5.59E-05	2.62E-05	3.21E-04	1.42E-05	9.88E-06	3.72E-04	2.49E-05	6.40E-10	1.89E-07	2.70E-07	2.53E-05
5619	479523.64	3850590.85	5.69E-05	7.75E-10	1.90E-07	2.73E-07	5.74E-05	2.69E-05	3.19E-04	1.42E-05	1.00E-05	3.70E-04	2.55E-05	6.36E-10	1.90E-07	2.73E-07	2.60E-05
5620	479606.74	3850632.57	5.88E-05	7.75E-10	1.91E-07	2.75E-07	5.93E-05	2.77E-05	3.19E-04	1.43E-05	1.01E-05	3.72E-04	2.64E-05	6.36E-10	1.91E-07	2.75E-07	2.68E-05
5621	479777.37	3850707.61	6.33E-05	7.70E-10	1.91E-07	2.80E-07	6.38E-05	2.99E-05	3.17E-04	1.44E-05	1.03E-05	3.72E-04	2.84E-05	6.32E-10	1.91E-07	2.80E-07	2.89E-05
5622	479864.9	3850740.95	6.63E-05	7.74E-10	1.92E-07	2.82E-07	6.68E-05	3.13E-05	3.19E-04	1.44E-05	1.03E-05	3.75E-04	2.97E-05	6.35E-10	1.92E-07	2.82E-07	3.02E-05
5623	479931.87	3850829.56	6.72E-05	8.01E-10	1.95E-07	2.85E-07	6.76E-05	3.17E-05	3.30E-04	1.46E-05	1.05E-05	3.87E-04	3.01E-05	6.58E-10	1.95E-07	2.85E-07	3.06E-05
5624	479995.55	3850926.75	6.85E-05	8.48E-10	1.97E-07	2.88E-07	6.90E-05	3.23E-05	3.49E-04	1.48E-05	1.05E-05	4.07E-04	3.07E-05	6.96E-10	1.97E-07	2.88E-07	3.12E-05
5625	480079.78	3850968.64	7.10E-05	8.65E-10	1.98E-07	2.89E-07	7.15E-05	3.35E-05	3.56E-04	1.49E-05	1.06E-05	4.15E-04	3.19E-05	7.10E-10	1.98E-07	2.89E-07	3.23E-05
5626	480164.01	3851010.54	7.37E-05	8.79E-10	1.99E-07	2.91E-07	7.42E-05	3.47E-05	3.62E-04	1.49E-05	1.07E-05	4.23E-04	3.30E-05	7.22E-10	1.99E-07	2.91E-07	3.35E-05
5627	480248.23	3851052.43	7.64E-05	8.95E-10	2.01E-07	2.94E-07	7.69E-05	3.61E-05	3.69E-04	1.51E-05	1.08E-05	4.30E-04	3.43E-05	7.34E-10	2.01E-07	2.94E-07	3.48E-05
5628	480332.46	3851094.33	7.93E-05	9.03E-10	2.02E-07	2.96E-07	7.98E-05	3.74E-05	3.72E-04	1.51E-05	1.09E-05	4.35E-04	3.56E-05	7.41E-10	2.02E-07	2.96E-07	3.61E-05
5629	480416.69	3851136.22	8.24E-05	9.04E-10	2.02E-07	3.00E-07	8.30E-05	3.89E-05	3.72E-04	1.52E-05	1.10E-05	4.37E-04	3.70E-05	7.42E-10	2.02E-07	3.00E-07	3.75E-05
5630	480579.95	3851215.17	8.89E-05	9.15E-10	2.04E-07	3.07E-07	8.94E-05	4.19E-05	3.77E-04	1.53E-05	1.12E-05	4.46E-04	3.99E-05	7.51E-10	2.04E-07	3.07E-07	4.04E-05
5631	480658.98	3851252.22	9.21E-05	9.26E-10	2.05E-07	3.10E-07	9.26E-05	4.34E-05	3.81E-04	1.54E-05	1.14E-05	4.52E-04	4.13E-05	7.60E-10	2.05E-07	3.10E-07	4.18E-05
5632	480817.36	3851327.85	9.87E-05	9.46E-10	2.07E-07	3.17E-07	9.92E-05	4.66E-05	3.90E-04	1.55E-05	1.16E-05	4.63E-04	4.43E-05	7.76E-10	2.07E-07	3.17E-07	4.48E-05
5633	480896.72	3851366.42	1.02E-04	9.52E-10	2.08E-07	3.21E-07	1.03E-04	4.81E-05	3.92E-04	1.56E-05	1.18E-05	4.68E-04	4.58E-05	7.81E-10	2.08E-07	3.21E-07	4.63E-05
5634	480976.07	3851405	1.05E-04	9.58E-10	2.09E-07	3.25E-07	1.06E-04	4.97E-05	3.95E-04	1.57E-05	1.19E-05	4.72E-04	4.72E-05	7.86E-10	2.09E-07	3.25E-07	4.78E-05
5635	481178	3851487.31	1.13E-04	9.57E-10	2.11E-07	3.35E-07	1.14E-04	5.34E-05	3.94E-04	1.58E-05	1.23E-05	4.76E-04	5.08E-05	7.85E-10	2.11E-07	3.35E-07	5.13E-05
5636	481244.9	3851557.17	1.16E-04	9.74E-10	2.13E-07	3.40E-07	1.16E-04	5.47E-05	4.01E-04	1.60E-05	1.25E-05	4.84E-04	5.20E-05	7.99E-10	2.13E-07	3.40E-07	5.25E-05
5637	481311.81	3851627.03	1.19E-04	9.89E-10	2.16E-07	3.45E-07	1.19E-04	5.60E-05	4.07E-04	1.62E-05	1.27E-05	4.92E-04	5.32E-05	8.11E-10	2.16E-07	3.45E-07	5.38E-05
5638	481378.71	3851696.89	1.22E-04	1.00E-09	2.18E-07	3.51E-07	1.22E-04	5.74E-05	4.13E-04	1.63E-05	1.29E-05	4.99E-04	5.45E-05	8.22E-10	2.18E-07	3.51E-07	5.51E-05
5639	481445.61	3851766.76	1.25E-04	1.02E-09	2.20E-07	3.57E-07	1.25E-04	5.88E-05	4.19E-04	1.65E-05	1.31E-05	5.07E-04	5.59E-05	8.34E-10	2.20E-07	3.57E-07	5.65E-05
5640	481512.51	3851836.62	1.28E-04	1.03E-09	2.22E-07	3.63E-07	1.29E-04	6.03E-05	4.23E-04	1.66E-05	1.33E-05	5.14E-04	5.74E-05	8.43E-10	2.22E-07	3.63E-07	5.80E-05
5641	481579.42	3851906.48	1.31E-04	1.04E-09	2.25E-07	3.70E-07	1.32E-04	6.19E-05	4.28E-04	1.68E-05	1.36E-05	5.21E-04	5.89E-05	8.53E-10	2.25E-07	3.70E-07	5.95E-05
5642	481646.32	3851976.34	1.35E-04	1.06E-09	2.27E-07	3.77E-07	1.35E-04	6.36E-05	4.35E-04	1.70E-05	1.38E-05	5.29E-04	6.05E-05	8.66E-10	2.27E-07	3.77E-07	6.11E-05
5643	481713.22	3852046.2	1.39E-04	1.06E-09	2.29E-07	3.85E-07	1.39E-04	6.54E-05	4.37E-04	1.72E-05	1.41E-05	5.34E-04	6.22E-05	8.70E-10	2.29E-07	3.85E-07	6.28E-05
5644	481780.12	3852116.06	1.42E-04	1.08E-09	2.31E-07	3.93E-07	1.43E-04	6.72E-05	4.46E-04	1.73E-05	1.44E-05	5.45E-04	6.39E-05	8.89E-10	2.31E-07	3.93E-07	6.45E-05
5645	481847.03	3852185.92	1.46E-04	1.12E-09	2.34E-07	4.00E-07	1.47E-04	6.90E-05	4.60E-04	1.75E-05	1.47E-05	5.61E-04	6.56E-05	9.16E-10	2.34E-07	4.00E-07	6.62E-05
5646	481913.93	3852255.78	1.50E-04	1.15E-09	2.37E-07	4.09E-07	1.51E-04	7.08E-05	4.75E-04	1.78E-05	1.50E-05	5.79E-04	6.73E-05	9.46E-10	2.37E-07	4.09E-07	6.80E-05
5647	481980.83	3852325.65	1.54E-04	1.20E-09	2.41E-07	4.18E-07	1.55E-04	7.26E-05	4.93E-04	1.81E-05	1.53E-05	5.99E-04	6.90E-05	9.82E-10	2.41E-07	4.18E-07	6.97E-05
5648	482047.73	3852395.51	1.58E-04	1.23E-09	2.43E-07	4.28E-07	1.59E-04	7.46E-05	5.07E-04	1.82E-05	1.57E-05	6.15E-04	7.10E-05	1.01E-09	2.43E-07	4.28E-07	7.16E-05
5649	482114.64	3852465.37	1.62E-04	1.27E-09	2.47E-07	4.39E-07	1.63E-04	7.66E-05	5.25E-04	1.85E-05	1.61E-05	6.36E-04	7.28E-05	1.05E-09	2.47E-07	4.39E-07	7.35E-05
5650	482181.54	3852535.23	1.68E-04	1.30E-09	2.49E-07	4.51E-07	1.68E-04	7.90E-05	5.37E-04	1.87E-05	1.65E-05	6.51E-04	7.52E-05	1.07E-09	2.49E-07	4.51E-07	7.59E-05
5651	482338.69	3852700.04	1.80E-04	1.40E-09	2.57E-07	4.86E-07	1.81E-04	8.49E-05	5.76E-04	1.93E-05	1.78E-05	6.98E-04	8.08E-05	1.15E-09	2.57E-07	4.86E-07	8.15E-05
5652	482404.05	3852767.78	1.86E-04	1.44E-09	2.59E-07	5.01E-07	1.87E-04	8.77E-05	5.94E-04	1.95E-05	1.84E-05	7.20E-04	8.34E-05	1.18E-09	2.59E-07	5.01E-07	8.41E-05
5653	482469.4	3852835.52	1.92E-04	1.49E-09	2.63E-07	5.18E-07	1.93E-04	9.05E-05	6.13E-04	1.97E-05	1.90E-05	7.42E-04	8.61E-05	1.22E-09	2.63E-07	5.18E-07	8.69E-05
5654	482534.75	3852903.25	1.99E-04	1.52E-09	2.65E-07	5.33E-07	2.00E-04	9.38E-05	6.28E-04	1.99E-05	1.95E-05	7.61E-04	8.92E-05	1.25E-09	2.65E-07	5.33E-07	9.00E-05
5655	482600.11	3852970.98	2.06E-04	1.57E-09	2.69E-07	5.49E-07	2.07E-04	9.71E-05	6.46E-04	2.02E-05	2.01E-05	7.83E-04	9.23E-05	1.29E-09	2.69E-07	5.49E-07	9.31E-05
5656	482706.71	3853119.28	2.19E-04	1.66E-09	2.76E-07	5.86E-07	2.20E-04	1.03E-04	6.82E-04	2.07E-05	2.15E-05	8.28E-04	9.83E-05	1.36E-09	2.76E-07	5.86E-07	9.92E-05
5657	482747.96	3853199.84	2.24E-04	1.72E-09	2.80E-07	6.06E-07	2.25E-04	1.06E-04	7.10E-04	2.10E-05	2.22E-05	8.59E-04	1.00E-04	1.41E-09	2.80E-07	6.06E-07	1.01E-04
5658	482789.21	3853280.4	2.28E-04	1.80E-09	2.85E-07	6.29E-07	2.29E-04	1.07E-04	7.42E-04	2.14E-05	2.30E-05	8.94E-04	1.02E-04	1.48E-09	2.85E-07	6.29E-07	1.03E-04
5659	482830.46	3853360.96	2.32E-04	1.87E-09	2.89E-07	6.53E-07	2.33E-04	1.09E-04	7.71E-04	2.17E-05	2.39E-05	9.26E-04	1.04E-04	1.54E-09	2.89E-07	6.53E-07	1.05E-04
5660	482871.71	3853441.52	2.36E-04	1.95E-09	2.93E-07	6.79E-07	2.37E-04	1.11E-04	8.02E-04	2.20E-05	2.49E-05	9.60E-04	1.06E-04	1.60E-09	2.93E-07	6.79E-07	1.07E-04
5661	482912.95	3853522.07	2.42E-04	2.00E-09	2.98E-07	7.06E-07	2.43E-04	1.14E-04	8.23E-04	2.23E-05	2.59E-05	9.85E-04	1.08E-04	1.64E-09	2.98E-07	7.06E-07	1.09E-04
5662	482954.2	3853602.63	2.48E-04	2.05E-09	3.02E-07	7.36E-07	2.49E-04	1.17E-04	8.44E-04	2.26E-05	2.70E-05	1.01E-03	1.11E-04	1.68E-09	3.02E-07	7.36E-07	1.12E-04
5663	482995.45	3853683.19	2.56E-04	2.09E-09	3.05E-07	7.70E-07	2.57E-04	1.21E-04	8.61E-04	2.29E-05	2.82E-05	1.03E-03	1.15E-04	1.71E-09	3.05E-07	7.70E-07	1.16E-04
5664	483036.7	3853763.75	2.65E-04	2.13E-09	3.10E-07	8.08E-07	2.66E-04	1.25E-04	8.77E-04	2.32E-05	2.96E-05	1.05E-03	1.19E-04	1.75E-09	3.10E-07	8.08E-07	1.20E-04
5665	483214.2	3853909.91	3.12E-04	1.96E-09	3.17E-07	8.84E-07	3.13E-04	1.47E-04	8.08E-04	2.38E-05	3.24E-05	1.01E-03	1.40E-04	1.61E-09	3.17E-07	8.84E-07	1.41E-04
5666	483307.01	3853910.44	3.37E-04	1.95E-09	3.18E-07	8.86E-07	3.38E-04	1.59E-04	8.01E-04	2.39E-05	3.25E-05	1.02E-03	1.51E-04	1.60E-09	3.18E-07	8.86E-07	1.52E-04
5667	483399.83	3853910.96	3.67E-04	1.89E-09	3.18E-07	9.00E-07	3.68E-04	1.73E-04	7.79E-04	2.39E-05	3.30E-05	1.01E-03	1.64E-04	1.55E-09	3.18E-07	9.00E-07	1.66E-04
5668	483494.52	3854009.24	4.00E-04	1.98E-09	3.25E-07	1.00E-06	4.01E-04	1.88E-04	8.14E-04	2.44E-05	3.68E-05	1.06E-03	1.79E-04	1.62E-09	3.25E-07	1.00E-06	1.81E-04
5669	483496.41	3854106.98	4.03E-04	2.12E-09	3.32E-07	1.11E-06	4.05E-04	1.90E-04	8.74E-04	2.49E-05	4.08E-05	1.13E-03	1.81E-04	1.74E-09	3.32E-07	1.11E-06	1.82E-04

5670	483577.56	3854261.96	4.49E-04	2.14E-09	3.41E-07	1.41E-06	4.51E-04	2.12E-04	8.82E-04	2.56E-05	5.15E-05	1.17E-03	2.02E-04	1.76E-09	3.41E-07	1.41E-06	2.03E-04
5671	483656.83	3854319.19	4.79E-04	2.10E-09	3.45E-07	1.65E-06	4.81E-04	2.26E-04	8.65E-04	2.59E-05	6.04E-05	1.18E-03	2.15E-04	1.72E-09	3.45E-07	1.65E-06	2.17E-04
5672	483736.1	3854376.41	5.13E-04	2.09E-09	3.50E-07	2.01E-06	5.15E-04	2.42E-04	8.62E-04	2.63E-05	7.37E-05	1.20E-03	2.30E-04	1.72E-09	3.50E-07	2.01E-06	2.32E-04
5673	483815.36	3854433.64	5.46E-04	2.15E-09	3.55E-07	2.47E-06	5.48E-04	2.57E-04	8.84E-04	2.67E-05	9.06E-05	1.26E-03	2.45E-04	1.76E-09	3.55E-07	2.47E-06	2.48E-04
5674	483894.63	3854490.87	5.72E-04	2.26E-09	3.61E-07	3.03E-06	5.75E-04	2.70E-04	9.29E-04	2.70E-05	1.11E-04	1.34E-03	2.56E-04	1.85E-09	3.61E-07	3.03E-06	2.60E-04
5675	483973.9	3854548.1	5.91E-04	2.44E-09	3.66E-07	3.57E-06	5.95E-04	2.79E-04	1.00E-03	2.74E-05	1.31E-04	1.44E-03	2.65E-04	2.00E-09	3.66E-07	3.57E-06	2.69E-04
5676	484053.17	3854605.32	6.22E-04	2.72E-09	3.72E-07	3.94E-06	6.26E-04	2.93E-04	1.12E-03	2.79E-05	1.44E-04	1.59E-03	2.79E-04	2.23E-09	3.72E-07	3.94E-06	2.83E-04
5677	484214.97	3854698.15	7.12E-04	3.32E-09	3.82E-07	4.06E-06	7.17E-04	3.36E-04	1.37E-03	2.86E-05	1.49E-04	1.88E-03	3.19E-04	2.72E-09	3.82E-07	4.06E-06	3.24E-04
5678	484297.5	3854733.74	8.05E-04	3.67E-09	3.86E-07	3.96E-06	8.10E-04	3.80E-04	1.51E-03	2.90E-05	1.45E-04	2.07E-03	3.61E-04	3.01E-09	3.86E-07	3.96E-06	3.66E-04
5679	484380.03	3854769.34	8.66E-04	3.94E-09	3.91E-07	3.82E-06	8.70E-04	4.09E-04	1.62E-03	2.93E-05	1.40E-04	2.20E-03	3.88E-04	3.23E-09	3.91E-07	3.82E-06	3.93E-04
5680	484462.56	3854804.94	9.76E-04	4.31E-09	3.95E-07	3.63E-06	9.80E-04	4.61E-04	1.78E-03	2.97E-05	1.33E-04	2.40E-03	4.38E-04	3.54E-09	3.95E-07	3.63E-06	4.42E-04
5681	484545.09	3854840.53	1.05E-03	4.53E-09	4.01E-07	3.43E-06	1.05E-03	4.94E-04	1.87E-03	3.00E-05	1.26E-04	2.52E-03	4.70E-04	3.72E-09	4.01E-07	3.43E-06	4.74E-04
5682	484691.88	3854912.58	1.37E-03	5.25E-09	4.11E-07	3.03E-06	1.38E-03	6.47E-04	2.16E-03	3.08E-05	1.11E-04	2.95E-03	6.16E-04	4.31E-09	4.11E-07	3.03E-06	6.19E-04
5683	484830.81	3855012.51	2.90E-03	6.14E-09	4.24E-07	2.87E-06	2.90E-03	1.37E-03	2.53E-03	3.18E-05	1.05E-04	4.04E-03	1.30E-03	5.04E-09	4.24E-07	2.87E-06	1.30E-03
5684	484905.48	3855075.97	7.22E-03	6.97E-09	4.34E-07	2.91E-06	7.23E-03	3.41E-03	2.87E-03	3.25E-05	1.07E-04	6.42E-03	3.24E-03	5.72E-09	4.34E-07	2.91E-06	3.24E-03
5685	484980.14	3855139.44	1.14E-02	7.64E-09	4.42E-07	3.06E-06	1.14E-02	5.37E-03	3.15E-03	3.32E-05	1.12E-04	8.67E-03	5.11E-03	6.27E-09	4.42E-07	3.06E-06	5.11E-03
5686	485054.81	3855202.91	1.41E-02	8.15E-09	4.52E-07	3.25E-06	1.41E-02	6.64E-03	3.36E-03	3.39E-05	1.19E-04	1.02E-02	6.31E-03	6.69E-09	4.52E-07	3.25E-06	6.32E-03
5687	485129.48	3855266.37	1.49E-02	8.40E-09	4.63E-07	3.51E-06	1.49E-02	7.02E-03	3.46E-03	3.47E-05	1.29E-04	1.06E-02	6.67E-03	6.90E-09	4.63E-07	3.51E-06	6.68E-03
5688	485204.15	3855329.84	1.71E-02	9.12E-09	4.74E-07	3.90E-06	1.71E-02	8.07E-03	3.76E-03	3.55E-05	1.43E-04	1.20E-02	7.67E-03	7.48E-09	4.74E-07	3.90E-06	7.68E-03
5689	485278.82	3855393.31	1.80E-02	9.58E-09	4.85E-07	4.38E-06	1.80E-02	8.47E-03	3.95E-03	3.64E-05	1.61E-04	1.26E-02	8.05E-03	7.87E-09	4.85E-07	4.38E-06	8.06E-03
5690	485353.48	3855456.77	1.92E-02	1.02E-08	4.97E-07	4.86E-06	1.92E-02	9.05E-03	4.21E-03	3.73E-05	1.78E-04	1.35E-02	8.61E-03	8.38E-09	4.97E-07	4.86E-06	8.61E-03
5691	485428.15	3855520.24	1.96E-02	1.07E-08	5.09E-07	5.34E-06	1.96E-02	9.26E-03	4.41E-03	3.82E-05	1.96E-04	1.39E-02	8.80E-03	8.78E-09	5.09E-07	5.34E-06	8.81E-03
5692	485502.82	3855583.71	2.01E-02	1.12E-08	5.23E-07	5.81E-06	2.01E-02	9.48E-03	4.63E-03	3.92E-05	2.13E-04	1.44E-02	9.02E-03	9.22E-09	5.23E-07	5.81E-06	9.02E-03
5693	485577.49	3855647.17	2.14E-02	1.21E-08	5.37E-07	6.26E-06	2.14E-02	1.01E-02	4.98E-03	4.03E-05	2.29E-04	1.53E-02	9.60E-03	9.92E-09	5.37E-07	6.26E-06	9.60E-03
5694	485652.16	3855710.64	2.25E-02	1.30E-08	5.53E-07	6.71E-06	2.25E-02	1.06E-02	5.36E-03	4.15E-05	2.46E-04	1.63E-02	1.01E-02	1.07E-08	5.53E-07	6.71E-06	1.01E-02
5695	485726.83	3855774.1	2.32E-02	1.37E-08	5.69E-07	7.17E-06	2.32E-02	1.09E-02	5.63E-03	4.27E-05	2.63E-04	1.69E-02	1.04E-02	1.12E-08	5.69E-07	7.17E-06	1.04E-02
5696	485801.49	3855837.57	2.26E-02	1.42E-08	5.86E-07	7.57E-06	2.27E-02	1.07E-02	5.83E-03	4.39E-05	2.77E-04	1.68E-02	1.02E-02	1.16E-08	5.86E-07	7.57E-06	1.02E-02
5697	485876.16	3855901.04	2.32E-02	1.48E-08	6.05E-07	7.85E-06	2.32E-02	1.09E-02	6.11E-03	4.54E-05	2.88E-04	1.74E-02	1.04E-02	1.22E-08	6.05E-07	7.85E-06	1.04E-02
5698	485950.83	3855964.5	2.27E-02	1.54E-08	6.25E-07	8.02E-06	2.27E-02	1.07E-02	6.34E-03	4.69E-05	2.94E-04	1.74E-02	1.02E-02	1.26E-08	6.25E-07	8.02E-06	1.02E-02
5699	486025.5	3856027.97	2.21E-02	1.57E-08	6.47E-07	8.02E-06	2.21E-02	1.04E-02	6.47E-03	4.85E-05	2.94E-04	1.72E-02	9.92E-03	1.29E-08	6.47E-07	8.02E-06	9.93E-03
5700	486100.17	3856091.44	2.34E-02	1.69E-08	6.70E-07	7.82E-06	2.34E-02	1.11E-02	6.97E-03	5.03E-05	2.87E-04	1.84E-02	1.05E-02	1.39E-08	6.70E-07	7.82E-06	1.05E-02
5701	486174.83	3856154.9	2.25E-02	1.70E-08	6.97E-07	7.57E-06	2.25E-02	1.06E-02	7.02E-03	5.22E-05	2.78E-04	1.80E-02	1.01E-02	1.40E-08	6.97E-07	7.57E-06	1.01E-02
5702	486249.5	3856218.37	2.05E-02	1.66E-08	7.26E-07	7.27E-06	2.05E-02	9.65E-03	6.84E-03	5.45E-05	2.67E-04	1.68E-02	9.17E-03	1.36E-08	7.26E-07	7.27E-06	9.18E-03
5703	486324.17	3856281.84	1.88E-02	1.64E-08	7.60E-07	6.95E-06	1.88E-02	8.86E-03	6.75E-03	5.70E-05	2.55E-04	1.59E-02	8.42E-03	1.34E-08	7.60E-07	6.95E-06	8.43E-03
5704	486398.84	3856345.3	1.93E-02	1.70E-08	7.93E-07	6.57E-06	1.93E-02	9.09E-03	7.02E-03	5.95E-05	2.41E-04	1.64E-02	8.64E-03	1.40E-08	7.93E-07	6.57E-06	8.65E-03
5705	486473.51	3856408.77	1.92E-02	1.74E-08	8.32E-07	6.16E-06	1.92E-02	9.06E-03	7.17E-03	6.24E-05	2.26E-04	1.65E-02	8.61E-03	1.43E-08	8.32E-07	6.16E-06	8.62E-03
5706	486548.17	3856472.24	1.98E-02	1.80E-08	8.73E-07	5.70E-06	1.98E-02	9.33E-03	7.43E-03	6.54E-05	2.09E-04	1.70E-02	8.87E-03	1.48E-08	8.73E-07	5.70E-06	8.88E-03
5707	486622.84	3856535.7	2.04E-02	1.87E-08	9.18E-07	5.21E-06	2.04E-02	9.61E-03	7.68E-03	6.88E-05	1.91E-04	1.76E-02	9.14E-03	1.53E-08	9.18E-07	5.21E-06	9.15E-03
5708	486765.48	3856659.69	2.19E-02	2.00E-08	1.02E-06	4.30E-06	2.20E-02	1.04E-02	8.25E-03	7.64E-05	1.58E-04	1.88E-02	9.84E-03	1.64E-08	1.02E-06	4.30E-06	9.85E-03
5709	486833.44	3856720.2	2.27E-02	2.05E-08	1.08E-06	3.92E-06	2.27E-02	1.07E-02	8.45E-03	8.08E-05	1.44E-04	1.94E-02	1.02E-02	1.68E-08	1.08E-06	3.92E-06	1.02E-02
5710	486901.41	3856780.72	2.30E-02	2.11E-08	1.14E-06	3.60E-06	2.30E-02	1.09E-02	8.70E-03	8.57E-05	1.32E-04	1.98E-02	1.03E-02	1.73E-08	1.14E-06	3.60E-06	1.03E-02
5711	486969.38	3856841.24	2.31E-02	2.15E-08	1.22E-06	3.32E-06	2.31E-02	1.09E-02	8.87E-03	9.13E-05	1.22E-04	2.00E-02	1.04E-02	1.77E-08	1.22E-06	3.32E-06	1.04E-02
5712	487037.34	3856901.75	2.31E-02	2.19E-08	1.31E-06	3.09E-06	2.31E-02	1.09E-02	9.02E-03	9.79E-05	1.13E-04	2.01E-02	1.03E-02	1.80E-08	1.31E-06	3.09E-06	1.03E-02
5713	487271.23	3856855.51	1.31E-02	2.01E-08	1.47E-06	2.99E-06	1.31E-02	6.17E-03	8.28E-03	1.10E-04	1.10E-04	1.47E-02	5.87E-03	1.65E-08	1.47E-06	2.99E-06	5.87E-03
5714	487368.96	3856857.29	1.14E-02	1.96E-08	1.61E-06	2.92E-06	1.14E-02	5.38E-03	8.09E-03	1.21E-04	1.07E-04	1.37E-02	5.11E-03	1.61E-08	1.61E-06	2.92E-06	5.12E-03
5715	487466.68	3856859.06	1.00E-02	1.93E-08	1.77E-06	2.85E-06	1.00E-02	4.72E-03	7.94E-03	1.32E-04	1.04E-04	1.29E-02	4.49E-03	1.58E-08	1.77E-06	2.85E-06	4.50E-03
5716	487636.44	3856930	8.13E-03	1.91E-08	2.19E-06	2.64E-06	8.13E-03	3.83E-03	7.88E-03	1.64E-04	9.68E-05	1.20E-02	3.64E-03	1.57E-08	2.19E-06	2.64E-06	3.65E-03
5717	487709.57	3856928.43	7.44E-03	1.89E-08	2.37E-06	2.61E-06	7.45E-03	3.51E-03	7.78E-03	1.77E-04	9.58E-05	1.16E-02	3.34E-03	1.55E-08	2.37E-06	2.61E-06	3.34E-03
5718	487782.54	3856841.96	6.98E-03	1.79E-08	2.34E-06	2.69E-06	6.99E-03	3.29E-03	7.36E-03	1.76E-04	9.85E-05	1.09E-02	3.13E-03	1.47E-08	2.34E-06	2.69E-06	3.14E-03
5719	487849.83	3856754.74	6.49E-03	1.69E-08	2.16E-06	2.76E-06	6.50E-03	3.06E-03	6.97E-03	1.62E-04	1.01E-04	1.03E-02	2.91E-03	1.39E-08	2.16E-06	2.76E-06	2.92E-03
5720	487918.03	3856819.39	6.14E-03	1.73E-08	2.21E-06	2.64E-06	6.15E-03	2.90E-03	7.15E-03	1.66E-04	9.70E-05	1.03E-02	2.76E-03	1.42E-08	2.21E-06	2.64E-06	2.76E-03
5721	487918.8	3856886.37	6.06E-03	1.79E-08	2.38E-06	2.57E-06	6.07E-03	2.86E-03	7.38E-03	1.79E-04	9.44E-05	1.05E-02	2.72E-03	1.47E-08	2.38E-06	2.57E-06	2.72E-03
5722	488065.47	3857127.5	4.32E-03	1.89E-08	2.95E-06	2.38E-06	4.33E-03	2.04E-03	7.77E-03	2.21E-04	8.74E-05	1.01E-02	1.94E-03	1.55E-08	2.95E-06	2.38E-06	1.94E-03
5723	488192.19	3857385.83	2.66E-03	2.06E-08	4.78E-06	2.49E-06	2.67E-03	1.26E-03	8.49E-03	3.59E-04	9.14E-05	1.02E-02	1.19E-03	1.69E-08	4.78E-06	2.49E-06	1.20E-03
5724	488191.22	3857473.87	2.28E-03	2.16E-08	5.94E-06	2.63E-06	2.28E-03	1.07E-03	8.89E-03	4.46E-04	9.63E-05	1.05E-02	1.02E-03	1.77E-08	5.94E-06	2.63E-06	1.03E-03
5725	488190.24	3857561.9	1.94E-03	2.26E-08	7.64E-06	2.81E-06	1.95E-03	9.17E-04	9.33E-03	5.73E-04	1.03E-04	1.09E-02	8.72E-04	1.86E-08	7.64E-06	2.81E-06	8.82E-04
5726	488158.35	3857691.13	1.55E-03	2.45E-08	1.19E-05	3.18E-06	1.56E-03	7.31E-04	1.01E-02	8.90E-04	1.16E-04	1.18E-02	6.95E-04	2.01E-08	1.19E-05	3.18E-06	7.10E-04
5727	488208.37	3857816.66	1.25E-03	2.64E-08	3.67E-05	3.63E-06	1.29E-03	5.91E-04	1.09E-02	2.75E-03	1.33E-04	1.44E-02	5.62E-04	2.17E-08	3.67E-05	3.63E-06	6.02E-04
5728	488271.97	3857874.6	1.15E-03	2.73E-08	1.67E-04	3.87E-06	1.32E-03	5.41E-04	1.12E-02	1.25E-02	1.42E-04	2.44E-02	5.14E-04	2.24E-08	1.67E-04	3.87E-06	6.85E-04
5729	488463.56	3857942.31	1.04E-03	2.78E-08	2.64E-04	4.12E-06	1.31E-03	4.92E-04	1.14E-02	1.98E-02	1.51E-04	3.18E-02	4.68E-04	2.28E-08	2.64E-04	4.12E-06	7.36E-04
5730	488554.83	3857940.83	1.05E-03	2.72E-08	2.03E-04	4.06E-06	1.26E-03	4.96E-04	1.12E-02	1.52E-02	1.49E-04	2.71E-02	4.71E-04	2.23E-08	2.03E-04	4.06E-06	6.78E-04

5731	488646.1	3857939.36	1.06E-03	2.66E-08	1.59E-04	4.00E-06	1.22E-03	4.99E-04	1.10E-02	1.19E-02	1.47E-04	2.35E-02	4.74E-04	2.18E-08	1.59E-04	4.00E-06	6.38E-04
5732	488737.37	3857937.88	1.06E-03	2.60E-08	1.28E-04	3.94E-06	1.19E-03	5.01E-04	1.07E-02	9.58E-03	1.44E-04	2.09E-02	4.77E-04	2.13E-08	1.28E-04	3.94E-06	6.08E-04
5733	488733.59	3857960.57	1.03E-03	2.64E-08	1.25E-04	4.03E-06	1.16E-03	4.87E-04	1.09E-02	9.36E-03	1.48E-04	2.09E-02	4.63E-04	2.17E-08	1.25E-04	4.03E-06	5.92E-04
5734	488638.09	3857961.57	1.03E-03	2.70E-08	1.58E-04	4.11E-06	1.19E-03	4.84E-04	1.11E-02	1.18E-02	1.51E-04	2.36E-02	4.60E-04	2.22E-08	1.58E-04	4.11E-06	6.22E-04
5735	488542.6	3857962.56	1.02E-03	2.77E-08	2.06E-04	4.18E-06	1.23E-03	4.80E-04	1.14E-02	1.55E-02	1.53E-04	2.75E-02	4.57E-04	2.27E-08	2.06E-04	4.18E-06	6.67E-04
5736	488447.1	3857963.56	1.01E-03	2.83E-08	2.77E-04	4.24E-06	1.29E-03	4.77E-04	1.17E-02	2.08E-02	1.56E-04	3.31E-02	4.54E-04	2.32E-08	2.77E-04	4.24E-06	7.35E-04
5737	488254.28	3857890.36	1.12E-03	2.77E-08	1.87E-04	3.96E-06	1.31E-03	5.27E-04	1.14E-02	1.40E-02	1.45E-04	2.61E-02	5.02E-04	2.27E-08	1.87E-04	3.96E-06	6.93E-04
5738	488191.69	3857833.06	1.22E-03	2.68E-08	3.74E-05	3.71E-06	1.26E-03	5.76E-04	1.10E-02	2.81E-03	1.36E-04	1.46E-02	5.47E-04	2.20E-08	3.74E-05	3.71E-06	5.89E-04
5739	488129.5	3857907.43	1.09E-03	2.88E-08	4.05E-05	4.12E-06	1.14E-03	5.16E-04	1.19E-02	3.03E-03	1.51E-04	1.56E-02	4.90E-04	2.36E-08	4.05E-05	4.12E-06	5.35E-04
5740	488196.47	3857968.73	1.01E-03	2.99E-08	3.60E-04	4.45E-06	1.37E-03	4.74E-04	1.23E-02	2.70E-02	1.63E-04	3.99E-02	4.51E-04	2.45E-08	3.60E-04	4.45E-06	8.15E-04
5741	488263.44	3858030.04	9.31E-04	3.10E-08	3.59E-04	4.79E-06	1.30E-03	4.39E-04	1.28E-02	2.70E-02	1.76E-04	4.03E-02	4.18E-04	2.54E-08	3.59E-04	4.79E-06	7.82E-04
5742	488400.64	3858132.9	8.24E-04	3.27E-08	9.42E-05	5.32E-06	9.24E-04	3.89E-04	1.35E-02	7.07E-03	1.95E-04	2.11E-02	3.70E-04	2.68E-08	9.42E-05	5.32E-06	4.69E-04
5743	488519.89	3858218.38	7.43E-04	3.45E-08	4.23E-05	5.59E-06	7.91E-04	3.51E-04	1.42E-02	3.17E-03	2.05E-04	1.80E-02	3.33E-04	2.83E-08	4.23E-05	5.59E-06	3.81E-04
5744	488647.97	3858214.99	7.43E-04	3.30E-08	4.15E-05	5.24E-06	7.89E-04	3.50E-04	1.36E-02	3.11E-03	1.92E-04	1.73E-02	3.33E-04	2.71E-08	4.15E-05	5.24E-06	3.80E-04
5745	488727.05	3858167.67	7.88E-04	3.10E-08	5.06E-05	4.86E-06	8.43E-04	3.72E-04	1.28E-02	3.80E-03	1.78E-04	1.71E-02	3.53E-04	2.54E-08	5.06E-05	4.86E-06	4.09E-04
5746	488806.12	3858120.35	8.43E-04	2.92E-08	5.89E-05	4.54E-06	9.07E-04	3.98E-04	1.20E-02	4.42E-03	1.67E-04	1.70E-02	3.78E-04	2.40E-08	5.89E-05	4.54E-06	4.42E-04
5747	488885.2	3858073.03	9.02E-04	2.76E-08	6.49E-05	4.27E-06	9.71E-04	4.25E-04	1.14E-02	4.87E-03	1.57E-04	1.68E-02	4.04E-04	2.26E-08	6.49E-05	4.27E-06	4.74E-04
5748	489055.76	3857991.17	1.00E-03	2.49E-08	6.35E-05	3.85E-06	1.07E-03	4.72E-04	1.03E-02	4.76E-03	1.41E-04	1.56E-02	4.49E-04	2.05E-08	6.35E-05	3.85E-06	5.16E-04
5749	489245.39	3857944.54	1.05E-03	2.29E-08	5.22E-05	3.58E-06	1.10E-03	4.94E-04	9.44E-03	3.92E-03	1.31E-04	1.40E-02	4.70E-04	1.88E-08	5.22E-05	3.58E-06	5.26E-04
5750	489430.63	3857930.91	1.05E-03	2.17E-08	4.26E-05	3.43E-06	1.09E-03	4.93E-04	8.95E-03	3.20E-03	1.26E-04	1.28E-02	4.69E-04	1.78E-08	4.26E-05	3.43E-06	5.15E-04
5751	489517.74	3857929.36	1.04E-03	2.13E-08	3.90E-05	3.38E-06	1.08E-03	4.89E-04	8.76E-03	2.92E-03	1.24E-04	1.23E-02	4.65E-04	1.75E-08	3.90E-05	3.38E-06	5.08E-04
5752	489604.85	3857927.82	1.03E-03	2.08E-08	3.58E-05	3.34E-06	1.07E-03	4.85E-04	8.57E-03	2.69E-03	1.22E-04	1.19E-02	4.61E-04	1.71E-08	3.58E-05	3.34E-06	5.01E-04
5753	489691.97	3857926.28	1.02E-03	2.04E-08	3.32E-05	3.30E-06	1.06E-03	4.80E-04	8.41E-03	2.49E-03	1.21E-04	1.15E-02	4.57E-04	1.68E-08	3.32E-05	3.30E-06	4.93E-04
5754	489779.08	3857924.73	1.01E-03	2.00E-08	3.09E-05	3.27E-06	1.04E-03	4.75E-04	8.25E-03	2.32E-03	1.20E-04	1.12E-02	4.52E-04	1.64E-08	3.09E-05	3.27E-06	4.86E-04
5755	490017.54	3857875.08	1.01E-03	1.84E-08	2.70E-05	3.14E-06	1.04E-03	4.78E-04	7.59E-03	2.02E-03	1.15E-04	1.02E-02	4.54E-04	1.51E-08	2.70E-05	3.14E-06	4.84E-04
5756	490033.82	3857960.81	9.44E-04	1.94E-08	2.48E-05	3.28E-06	9.72E-04	4.45E-04	8.00E-03	1.86E-03	1.20E-04	1.04E-02	4.23E-04	1.59E-08	2.48E-05	3.28E-06	4.51E-04
5757	489959.15	3857987.49	9.32E-04	2.02E-08	2.53E-05	3.34E-06	9.61E-04	4.40E-04	8.31E-03	1.89E-03	1.23E-04	1.08E-02	4.18E-04	1.66E-08	2.53E-05	3.34E-06	4.47E-04
5758	489791.49	3858016.12	9.34E-04	2.11E-08	2.73E-05	3.43E-06	9.65E-04	4.40E-04	8.67E-03	2.05E-03	1.26E-04	1.13E-02	4.19E-04	1.73E-08	2.73E-05	3.43E-06	4.50E-04
5759	489698.51	3858018.07	9.42E-04	2.15E-08	2.93E-05	3.47E-06	9.75E-04	4.44E-04	8.87E-03	2.20E-03	1.27E-04	1.16E-02	4.22E-04	1.77E-08	2.93E-05	3.47E-06	4.55E-04
5760	489605.52	3858020.02	9.49E-04	2.20E-08	3.16E-05	3.51E-06	9.84E-04	4.47E-04	9.08E-03	2.37E-03	1.29E-04	1.20E-02	4.26E-04	1.81E-08	3.16E-05	3.51E-06	4.61E-04
5761	489512.53	3858021.96	9.54E-04	2.26E-08	3.43E-05	3.56E-06	9.92E-04	4.50E-04	9.29E-03	2.57E-03	1.30E-04	1.24E-02	4.28E-04	1.85E-08	3.43E-05	3.56E-06	4.66E-04
5762	489419.55	3858023.91	9.58E-04	2.31E-08	3.75E-05	3.62E-06	9.99E-04	4.52E-04	9.54E-03	2.81E-03	1.33E-04	1.29E-02	4.29E-04	1.90E-08	3.75E-05	3.62E-06	4.71E-04
5763	489228.47	3858041.29	9.52E-04	2.44E-08	4.45E-05	3.80E-06	1.00E-03	4.49E-04	1.00E-02	3.33E-03	1.39E-04	1.40E-02	4.27E-04	2.00E-08	4.45E-05	3.80E-06	4.75E-04
5764	489065.75	3858085.78	9.02E-04	2.64E-08	4.82E-05	4.09E-06	9.54E-04	4.25E-04	1.09E-02	3.61E-03	1.50E-04	1.51E-02	4.04E-04	2.17E-08	4.82E-05	4.09E-06	4.57E-04
5765	489001.12	3858114.86	8.68E-04	2.74E-08	4.71E-05	4.25E-06	9.19E-04	4.09E-04	1.13E-02	3.53E-03	1.56E-04	1.54E-02	3.89E-04	2.25E-08	4.71E-05	4.25E-06	4.41E-04
5766	488861.89	3858189.81	7.82E-04	3.00E-08	3.98E-05	4.69E-06	8.27E-04	3.69E-04	1.24E-02	2.98E-03	1.72E-04	1.59E-02	3.51E-04	2.46E-08	3.98E-05	4.69E-06	3.95E-04
5767	488787.28	3858235.69	7.33E-04	3.20E-08	3.38E-05	5.01E-06	7.72E-04	3.46E-04	1.32E-02	2.54E-03	1.84E-04	1.62E-02	3.29E-04	2.62E-08	3.38E-05	5.01E-06	3.67E-04
5768	488712.68	3858281.57	6.97E-04	3.39E-08	2.77E-05	5.38E-06	7.30E-04	3.29E-04	1.40E-02	2.08E-03	1.97E-04	1.66E-02	3.13E-04	2.78E-08	2.77E-05	5.38E-06	3.46E-04
5769	488654.39	3858436.17	6.15E-04	3.97E-08	9.89E-06	6.33E-06	6.31E-04	2.90E-04	1.63E-02	7.42E-04	2.32E-04	1.76E-02	2.76E-04	3.26E-08	9.89E-06	6.33E-06	2.92E-04
5770	488726.3	3858505.26	5.82E-04	4.12E-08	7.53E-06	6.35E-06	5.96E-04	2.74E-04	1.70E-02	5.65E-04	2.33E-04	1.81E-02	2.61E-04	3.38E-08	7.53E-06	6.35E-06	2.75E-04
5771	488880.6	3858599.28	5.38E-04	4.41E-08	5.99E-06	6.16E-06	5.50E-04	2.54E-04	1.82E-02	4.49E-04	2.26E-04	1.91E-02	2.41E-04	3.62E-08	5.99E-06	6.16E-06	2.53E-04
5772	489008.06	3858714.75	4.95E-04	5.11E-08	4.46E-06	6.42E-06	5.06E-04	2.34E-04	2.10E-02	3.34E-04	2.35E-04	2.18E-02	2.22E-04	4.19E-08	4.46E-06	6.42E-06	2.33E-04
5773	489071.48	3858772.72	4.76E-04	5.50E-08	3.94E-06	6.64E-06	4.87E-04	2.25E-04	2.27E-02	2.96E-04	2.43E-04	2.34E-02	2.14E-04	4.51E-08	3.94E-06	6.64E-06	2.24E-04
5774	489244.59	3858920.19	4.32E-04	6.27E-08	3.07E-06	7.57E-06	4.42E-04	2.04E-04	2.58E-02	2.30E-04	2.78E-04	2.66E-02	1.94E-04	5.15E-08	3.07E-06	7.57E-06	2.04E-04
5775	489239.69	3858952.23	4.25E-04	6.58E-08	2.84E-06	7.88E-06	4.36E-04	2.01E-04	2.71E-02	2.13E-04	2.89E-04	2.78E-02	1.91E-04	5.40E-08	2.84E-06	7.88E-06	2.02E-04
5776	489121.67	3858854.49	4.53E-04	6.20E-08	3.28E-06	7.20E-06	4.64E-04	2.14E-04	2.56E-02	2.46E-04	2.64E-04	2.63E-02	2.03E-04	5.09E-08	3.28E-06	7.20E-06	2.14E-04
5777	489059.59	3858797.27	4.71E-04	5.80E-08	3.63E-06	6.83E-06	4.81E-04	2.22E-04	2.39E-02	2.72E-04	2.51E-04	2.47E-02	2.11E-04	4.76E-08	3.63E-06	6.83E-06	2.22E-04
5778	488997.52	3858740.04	4.90E-04	5.36E-08	4.07E-06	6.58E-06	5.00E-04	2.31E-04	2.21E-02	3.05E-04	2.41E-04	2.29E-02	2.20E-04	4.40E-08	4.07E-06	6.58E-06	2.30E-04
5779	488935.44	3858682.82	5.09E-04	4.96E-08	4.61E-06	6.39E-06	5.20E-04	2.40E-04	2.04E-02	3.46E-04	2.34E-04	2.13E-02	2.28E-04	4.07E-08	4.61E-06	6.39E-06	2.39E-04
5780	488869.17	3858848.43	4.68E-04	7.50E-08	2.60E-06	7.67E-06	4.79E-04	2.21E-04	3.09E-02	1.95E-04	2.81E-04	3.16E-02	2.10E-04	6.15E-08	2.60E-06	7.67E-06	2.20E-04
5781	488932.48	3858892.69	4.54E-04	7.94E-08	2.49E-06	7.93E-06	4.65E-04	2.14E-04	3.27E-02	1.86E-04	2.91E-04	3.34E-02	2.04E-04	6.52E-08	2.49E-06	7.93E-06	2.14E-04
5782	489063.27	3858977.17	4.30E-04	8.16E-08	2.33E-06	8.62E-06	4.41E-04	2.03E-04	3.36E-02	1.75E-04	3.16E-04	3.43E-02	1.93E-04	6.69E-08	2.33E-06	8.62E-06	2.04E-04
5783	489248.2	3859117.15	3.94E-04	7.61E-08	2.07E-06	9.68E-06	4.06E-04	1.86E-04	3.13E-02	1.55E-04	3.55E-04	3.20E-02	1.77E-04	6.24E-08	2.07E-06	9.68E-06	1.89E-04
5784	489296.25	3859049.22	4.03E-04	6.95E-08	2.42E-06	8.67E-06	4.14E-04	1.90E-04	2.86E-02	1.82E-04	3.18E-04	2.93E-02	1.81E-04	5.71E-08	2.42E-06	8.67E-06	1.92E-04
5785	489353.38	3858993.96	4.10E-04	6.28E-08	2.80E-06	7.93E-06	4.21E-04	1.93E-04	2.59E-02	2.10E-04	2.91E-04	2.66E-02	1.84E-04	5.15E-08	2.80E-06	7.93E-06	1.95E-04
5786	489537.24	3859120.22	3.78E-04	5.91E-08	2.45E-06	8.47E-06	3.89E-04	1.78E-04	2.44E-02	1.84E-04	3.11E-04	2.50E-02	1.70E-04	4.85E-08	2.45E-06	8.47E-06	1.81E-04
5787	489726.98	3859246.04	3.49E-04	5.36E-08	2.18E-06	8.44E-06	3.59E-04	1.64E-04	2.21E-02	1.63E-04	3.09E-04	2.27E-02	1.56E-04	4.40E-08	2.18E-06	8.44E-06	1.67E-04
5788	489911.46	3859366.33	3.25E-04	4.78E-08	1.99E-06	7.92E-06	3.35E-04	1.53E-04	1.97E-02	1.49E-04	2.90E-04	2.03E-02	1.46E-04	3.92E-08	1.99E-06	7.92E-06	1.56E-04
5789	490035.3	3859430.26	3.10E-04	4.50E-08	1.89E-06	7.51E-06	3.20E-04	1.46E-04	1.85E-02	1.41E-04	2.76E-04	1.91E-02	1.39E-04	3.69E-08	1.89E-06	7.51E-06	1.49E-04
5790	490101.11	3859458.61	3.04E-04	4.34E-08	1.86E-06	7.26E-06	3.13E-04	1.44E-04	1.79E-02	1.39E-04	2.66E-04	1.84E-02	1.36E-04	3.56E-08	1.86E-06	7.26E-06	1.46E-04
5791	490312.68	3859560.3	2.86E-04	3.93E-08	1.75E-06	6.40E-06	2.94E-04	1.35E-04	1.62E-02	1.31E-04	2.35E-04	1.67E-02	1.28E-04	3.22E-08	1.75E-06	6.40E-06	1.36E-04

5792	490401.63	3859603.12	2.79E-04	3.77E-08	1.71E-06	6.02E-06	2.87E-04	1.32E-04	1.55E-02	1.28E-04	2.21E-04	1.60E-02	1.25E-04	3.09E-08	1.71E-06	6.02E-06	1.33E-04
5793	490490.57	3859645.94	2.73E-04	3.62E-08	1.68E-06	5.65E-06	2.80E-04	1.29E-04	1.49E-02	1.26E-04	2.07E-04	1.54E-02	1.22E-04	2.97E-08	1.68E-06	5.65E-06	1.30E-04
5794	490579.51	3859688.76	2.67E-04	3.48E-08	1.65E-06	5.28E-06	2.74E-04	1.26E-04	1.43E-02	1.23E-04	1.94E-04	1.48E-02	1.20E-04	2.85E-08	1.65E-06	5.28E-06	1.27E-04
5795	490668.45	3859731.58	2.62E-04	3.32E-08	1.63E-06	4.94E-06	2.69E-04	1.24E-04	1.37E-02	1.22E-04	1.81E-04	1.41E-02	1.18E-04	2.73E-08	1.63E-06	4.94E-06	1.24E-04
5796	490757.4	3859774.4	2.56E-04	3.21E-08	1.59E-06	4.63E-06	2.62E-04	1.21E-04	1.32E-02	1.19E-04	1.70E-04	1.37E-02	1.15E-04	2.64E-08	1.59E-06	4.63E-06	1.21E-04
5797	491003.53	3859861.82	2.45E-04	2.90E-08	1.54E-06	3.96E-06	2.50E-04	1.15E-04	1.20E-02	1.15E-04	1.45E-04	1.23E-02	1.10E-04	2.38E-08	1.54E-06	3.96E-06	1.15E-04
5798	491081.41	3859879.05	2.43E-04	2.82E-08	1.53E-06	3.80E-06	2.48E-04	1.14E-04	1.16E-02	1.15E-04	1.39E-04	1.20E-02	1.09E-04	2.32E-08	1.53E-06	3.80E-06	1.14E-04
5799	491229.76	3859917.82	2.38E-04	2.67E-08	1.50E-06	3.52E-06	2.43E-04	1.12E-04	1.10E-02	1.13E-04	1.29E-04	1.14E-02	1.07E-04	2.19E-08	1.50E-06	3.52E-06	1.12E-04
5800	491300.22	3859939.35	2.35E-04	2.60E-08	1.48E-06	3.40E-06	2.40E-04	1.11E-04	1.07E-02	1.11E-04	1.25E-04	1.11E-02	1.05E-04	2.13E-08	1.48E-06	3.40E-06	1.10E-04
5801	491350.48	3860012.03	2.25E-04	2.53E-08	1.38E-06	3.21E-06	2.29E-04	1.06E-04	1.04E-02	1.04E-04	1.18E-04	1.07E-02	1.01E-04	2.07E-08	1.38E-06	3.21E-06	1.05E-04
5802	491406.82	3860092.56	2.15E-04	2.43E-08	1.30E-06	3.00E-06	2.20E-04	1.02E-04	9.99E-03	9.77E-05	1.10E-04	1.03E-02	9.66E-05	1.99E-08	1.30E-06	3.00E-06	1.01E-04
5803	491483.36	3860121.96	2.13E-04	2.34E-08	1.29E-06	2.86E-06	2.17E-04	1.00E-04	9.64E-03	9.67E-05	1.05E-04	9.94E-03	9.54E-05	1.92E-08	1.29E-06	2.86E-06	9.96E-05
5804	491559.91	3860151.35	2.10E-04	2.26E-08	1.27E-06	2.74E-06	2.14E-04	9.90E-05	9.30E-03	9.56E-05	1.00E-04	9.59E-03	9.41E-05	1.85E-08	1.27E-06	2.74E-06	9.82E-05
5805	491711.81	3860237.76	2.07E-04	2.05E-08	1.29E-06	2.41E-06	2.11E-04	9.76E-05	8.44E-03	9.68E-05	8.84E-05	8.72E-03	9.28E-05	1.68E-08	1.29E-06	2.41E-06	9.65E-05
5806	491755.2	3860319.07	1.93E-04	1.97E-08	1.15E-06	2.23E-06	1.97E-04	9.12E-05	8.13E-03	8.63E-05	8.19E-05	8.39E-03	8.67E-05	1.62E-08	1.15E-06	2.23E-06	9.02E-05
5807	491704.71	3860366.54	1.90E-04	1.96E-08	1.11E-06	2.17E-06	1.93E-04	8.94E-05	8.09E-03	8.29E-05	7.94E-05	8.34E-03	8.50E-05	1.61E-08	1.11E-06	2.17E-06	8.83E-05
5808	491623.42	3860462.39	1.82E-04	1.92E-08	1.02E-06	2.01E-06	1.85E-04	8.60E-05	7.89E-03	7.68E-05	7.36E-05	8.13E-03	8.18E-05	1.57E-08	1.02E-06	2.01E-06	8.49E-05
5809	491534.02	3860439.85	1.90E-04	1.99E-08	1.08E-06	2.12E-06	1.93E-04	8.97E-05	8.21E-03	8.12E-05	7.76E-05	8.46E-03	8.53E-05	1.64E-08	1.08E-06	2.12E-06	8.85E-05
5810	491313.95	3860268.17	1.97E-04	2.34E-08	1.11E-06	2.59E-06	2.01E-04	9.31E-05	9.62E-03	8.32E-05	9.48E-05	9.89E-03	8.85E-05	1.92E-08	1.11E-06	2.59E-06	9.22E-05
5811	491187.12	3860143.56	2.10E-04	2.59E-08	1.20E-06	3.07E-06	2.15E-04	9.91E-05	1.07E-02	9.01E-05	1.12E-04	1.10E-02	9.43E-05	2.12E-08	1.20E-06	3.07E-06	9.86E-05
5812	491070.43	3860075.97	2.18E-04	2.76E-08	1.25E-06	3.40E-06	2.23E-04	1.03E-04	1.14E-02	9.38E-05	1.25E-04	1.17E-02	9.79E-05	2.27E-08	1.25E-06	3.40E-06	1.03E-04
5813	490995.09	3860039.38	2.23E-04	2.87E-08	1.28E-06	3.60E-06	2.28E-04	1.05E-04	1.18E-02	9.57E-05	1.32E-04	1.22E-02	9.98E-05	2.36E-08	1.28E-06	3.60E-06	1.05E-04
5814	490919.75	3860002.8	2.27E-04	2.98E-08	1.30E-06	3.80E-06	2.32E-04	1.07E-04	1.23E-02	9.77E-05	1.39E-04	1.26E-02	1.02E-04	2.45E-08	1.30E-06	3.80E-06	1.07E-04
5815	490756.81	3859894.53	2.42E-04	3.22E-08	1.40E-06	4.34E-06	2.47E-04	1.14E-04	1.33E-02	1.05E-04	1.59E-04	1.36E-02	1.08E-04	2.64E-08	1.40E-06	4.34E-06	1.14E-04
5816	490668.07	3859860.92	2.46E-04	3.36E-08	1.42E-06	4.63E-06	2.52E-04	1.16E-04	1.38E-02	1.06E-04	1.70E-04	1.42E-02	1.10E-04	2.76E-08	1.42E-06	4.63E-06	1.16E-04
5817	490579.34	3859827.3	2.51E-04	3.49E-08	1.44E-06	4.94E-06	2.57E-04	1.18E-04	1.44E-02	1.08E-04	1.81E-04	1.48E-02	1.12E-04	2.86E-08	1.44E-06	4.94E-06	1.19E-04
5818	490490.6	3859793.68	2.55E-04	3.63E-08	1.45E-06	5.29E-06	2.62E-04	1.20E-04	1.50E-02	1.09E-04	1.94E-04	1.54E-02	1.14E-04	2.98E-08	1.45E-06	5.29E-06	1.21E-04
5819	490401.86	3859760.07	2.60E-04	3.78E-08	1.46E-06	5.67E-06	2.67E-04	1.23E-04	1.56E-02	1.10E-04	2.08E-04	1.60E-02	1.17E-04	3.10E-08	1.46E-06	5.67E-06	1.24E-04
5820	490313.12	3859726.45	2.66E-04	3.93E-08	1.48E-06	6.09E-06	2.74E-04	1.26E-04	1.62E-02	1.11E-04	2.23E-04	1.67E-02	1.19E-04	3.23E-08	1.48E-06	6.09E-06	1.27E-04
5821	490224.39	3859692.83	2.73E-04	4.09E-08	1.51E-06	6.53E-06	2.81E-04	1.29E-04	1.68E-02	1.13E-04	2.39E-04	1.73E-02	1.22E-04	3.35E-08	1.51E-06	6.53E-06	1.30E-04
5822	490135.65	3859659.22	2.80E-04	4.24E-08	1.53E-06	7.01E-06	2.89E-04	1.32E-04	1.75E-02	1.15E-04	2.57E-04	1.80E-02	1.26E-04	3.48E-08	1.53E-06	7.01E-06	1.34E-04
5823	489918.18	3859559.23	3.01E-04	4.71E-08	1.61E-06	8.32E-06	3.11E-04	1.42E-04	1.94E-02	1.20E-04	3.05E-04	2.00E-02	1.35E-04	3.86E-08	1.61E-06	8.32E-06	1.45E-04
5824	489743.61	3859486	3.17E-04	5.24E-08	1.64E-06	9.36E-06	3.28E-04	1.50E-04	2.16E-02	1.23E-04	3.43E-04	2.22E-02	1.42E-04	4.30E-08	1.64E-06	9.36E-06	1.53E-04
5825	489660.32	3859440.27	3.26E-04	5.57E-08	1.66E-06	9.78E-06	3.38E-04	1.54E-04	2.30E-02	1.25E-04	3.59E-04	2.36E-02	1.46E-04	4.57E-08	1.66E-06	9.78E-06	1.58E-04
5826	489577.04	3859394.53	3.36E-04	5.96E-08	1.68E-06	1.02E-05	3.48E-04	1.58E-04	2.45E-02	1.26E-04	3.73E-04	2.52E-02	1.51E-04	4.89E-08	1.68E-06	1.02E-05	1.63E-04
5827	489493.75	3859348.8	3.45E-04	6.41E-08	1.71E-06	1.05E-05	3.58E-04	1.63E-04	2.64E-02	1.28E-04	3.86E-04	2.71E-02	1.55E-04	5.26E-08	1.71E-06	1.05E-05	1.67E-04
5828	489321.28	3859240.02	3.69E-04	7.46E-08	1.78E-06	1.09E-05	3.82E-04	1.74E-04	3.07E-02	1.34E-04	3.99E-04	3.14E-02	1.65E-04	6.12E-08	1.78E-06	1.09E-05	1.78E-04
5829	489235.41	3859193.96	3.81E-04	7.98E-08	1.81E-06	1.08E-05	3.93E-04	1.80E-04	3.29E-02	1.36E-04	3.97E-04	3.36E-02	1.71E-04	6.55E-08	1.81E-06	1.08E-05	1.83E-04
5830	489149.54	3859147.89	3.90E-04	8.71E-08	1.83E-06	1.07E-05	4.03E-04	1.84E-04	3.59E-02	1.37E-04	3.91E-04	3.66E-02	1.75E-04	7.15E-08	1.83E-06	1.07E-05	1.88E-04
5831	489063.68	3859101.82	4.02E-04	9.41E-08	1.85E-06	1.04E-05	4.14E-04	1.90E-04	3.88E-02	1.39E-04	3.81E-04	3.95E-02	1.80E-04	7.72E-08	1.85E-06	1.04E-05	1.93E-04
5832	488977.81	3859055.75	4.14E-04	1.02E-07	1.89E-06	9.98E-06	4.26E-04	1.95E-04	4.20E-02	1.42E-04	3.66E-04	4.27E-02	1.86E-04	8.36E-08	1.89E-06	9.98E-06	1.98E-04
5833	488891.94	3859009.69	4.24E-04	1.14E-07	1.92E-06	9.46E-06	4.35E-04	2.00E-04	4.70E-02	1.44E-04	3.47E-04	4.77E-02	1.90E-04	9.36E-08	1.92E-06	9.46E-06	2.02E-04
5834	488808	3859060.73	4.07E-04	1.51E-07	1.69E-06	1.04E-05	4.20E-04	1.92E-04	6.21E-02	1.27E-04	3.83E-04	6.28E-02	1.83E-04	1.24E-07	1.69E-06	1.04E-05	1.95E-04
5835	488809.93	3859157.85	3.80E-04	1.58E-07	1.48E-06	1.30E-05	3.95E-04	1.79E-04	6.51E-02	1.11E-04	4.76E-04	6.59E-02	1.71E-04	1.30E-07	1.48E-06	1.30E-05	1.85E-04
5836	488811.85	3859254.96	3.55E-04	1.64E-07	1.31E-06	1.60E-05	3.72E-04	1.67E-04	6.76E-02	9.80E-05	5.86E-04	6.84E-02	1.59E-04	1.35E-07	1.31E-06	1.60E-05	1.77E-04
5837	488813.78	3859352.07	3.32E-04	1.68E-07	1.16E-06	1.74E-05	3.51E-04	1.57E-04	6.92E-02	8.71E-05	6.38E-04	7.01E-02	1.49E-04	1.38E-07	1.16E-06	1.74E-05	1.68E-04
5838	488815.71	3859449.19	3.13E-04	1.68E-07	1.04E-06	1.92E-05	3.33E-04	1.48E-04	6.90E-02	7.83E-05	7.03E-04	7.00E-02	1.40E-04	1.38E-07	1.04E-06	1.92E-05	1.61E-04
5839	488910.04	3859547.1	2.97E-04	1.10E-07	1.01E-06	2.31E-05	3.21E-04	1.40E-04	4.52E-02	7.60E-05	8.46E-04	4.63E-02	1.33E-04	9.01E-08	1.01E-06	2.31E-05	1.57E-04
5840	489002.45	3859547.91	2.99E-04	9.47E-08	1.09E-06	2.09E-05	3.22E-04	1.41E-04	3.90E-02	8.18E-05	7.66E-04	4.00E-02	1.34E-04	7.77E-08	1.09E-06	2.09E-05	1.56E-04
5841	489094.85	3859548.71	3.02E-04	8.39E-08	1.17E-06	1.87E-05	3.22E-04	1.43E-04	3.46E-02	8.77E-05	6.86E-04	3.55E-02	1.36E-04	6.88E-08	1.17E-06	1.87E-05	1.56E-04
5842	489230.05	3859601.87	2.97E-04	7.06E-08	1.20E-06	1.65E-05	3.15E-04	1.40E-04	2.91E-02	9.00E-05	6.06E-04	2.99E-02	1.33E-04	5.79E-08	1.20E-06	1.65E-05	1.51E-04
5843	489227.52	3859680.89	2.83E-04	6.72E-08	1.13E-06	1.68E-05	3.01E-04	1.33E-04	2.77E-02	8.46E-05	6.18E-04	2.85E-02	1.27E-04	5.52E-08	1.13E-06	1.68E-05	1.45E-04
5844	489133.47	3859760.29	2.68E-04	6.86E-08	9.90E-07	1.86E-05	2.87E-04	1.26E-04	2.83E-02	7.42E-05	6.83E-04	2.91E-02	1.20E-04	5.63E-08	9.90E-07	1.86E-05	1.40E-04
5845	489041.96	3859760.67	2.66E-04	7.23E-08	9.18E-07	2.16E-05	2.89E-04	1.26E-04	2.98E-02	6.88E-05	7.90E-04	3.08E-02	1.19E-04	5.93E-08	9.18E-07	2.16E-05	1.42E-04
5846	488950.45	3859761.05	2.65E-04	7.66E-08	8.52E-07	2.53E-05	2.91E-04	1.25E-04	3.16E-02	6.39E-05	9.29E-04	3.27E-02	1.19E-04	6.29E-08	8.52E-07	2.53E-05	1.45E-04
5847	488858.94	3859761.43	2.64E-04	8.17E-08	7.99E-07	3.04E-05	2.95E-04	1.24E-04	3.37E-02	6.00E-05	1.12E-03	3.50E-02	1.18E-04	6.71E-08	7.99E-07	3.04E-05	1.50E-04
5848	488767.43	3859761.82	2.62E-04	8.86E-08	7.56E-07	3.76E-05	3.00E-04	1.24E-04	3.65E-02	5.67E-05	1.38E-03	3.81E-02	1.17E-04	7.27E-08	7.56E-07	3.76E-05	1.56E-04
5849	488675.92	3859762.2	2.61E-04	9.79E-08	7.30E-07	4.84E-05	3.10E-04	1.23E-04	4.03E-02	5.47E-05	1.78E-03	4.23E-02	1.17E-04	8.03E-08	7.30E-07	4.84E-05	1.66E-04
5850	488584.41	3859762.58	2.59E-04	1.11E-07	7.25E-07	6.45E-05	3.24E-04	1.22E-04	4.59E-02	5.43E-05	2.37E-03	4.85E-02	1.16E-04	9.15E-08	7.25E-07	6.45E-05	1.81E-04
5851	488492.9	3859762.96	2.57E-04	1.33E-07	7.40E-07	8.06E-05	3.39E-04	1.21E-04	5.50E-02	5.55E-05	2.95E-03	5.81E-02	1.15E-04	1.09E-07	7.40E-07	8.06E-05	1.97E-04
5852	488402.76	3859830.95	2.46E-04	1.79E-07	7.53E-07	2.82E-05	2.75E-04	1.16E-04	7.39E-02	5.64E-05	1.04E-03	7.51E-02	1.10E-04	1.47E-07	7.53E-07	2.82E-05	1.40E-04

5853	488404.14	3859898.55	2.37E-04	1.80E-07	7.32E-07	1.49E-05	2.53E-04	1.12E-04	7.41E-02	5.49E-05	5.45E-04	7.48E-02	1.06E-04	1.48E-07	7.32E-07	1.49E-05	1.22E-04
5854	488505.18	3859964.96	2.32E-04	1.51E-07	6.79E-07	1.87E-05	2.51E-04	1.09E-04	6.22E-02	5.09E-05	6.87E-04	6.31E-02	1.04E-04	1.24E-07	6.79E-07	1.87E-05	1.23E-04
5855	488604.84	3859963.76	2.34E-04	1.35E-07	6.57E-07	2.18E-05	2.56E-04	1.10E-04	5.57E-02	4.93E-05	8.00E-04	5.67E-02	1.05E-04	1.11E-07	6.57E-07	2.18E-05	1.27E-04
5856	488704.51	3859962.56	2.36E-04	1.23E-07	6.52E-07	2.28E-05	2.59E-04	1.11E-04	5.05E-02	4.89E-05	8.35E-04	5.15E-02	1.06E-04	1.01E-07	6.52E-07	2.28E-05	1.29E-04
5857	488804.18	3859961.37	2.38E-04	1.09E-07	6.69E-07	2.21E-05	2.61E-04	1.12E-04	4.47E-02	5.02E-05	8.12E-04	4.57E-02	1.07E-04	8.91E-08	6.69E-07	2.21E-05	1.29E-04
5858	488903.85	3859960.17	2.39E-04	9.45E-08	7.03E-07	2.03E-05	2.60E-04	1.13E-04	3.90E-02	5.28E-05	7.45E-04	3.99E-02	1.07E-04	7.76E-08	7.03E-07	2.03E-05	1.28E-04
5859	489003.52	3859958.97	2.40E-04	8.41E-08	7.51E-07	1.82E-05	2.59E-04	1.13E-04	3.46E-02	5.63E-05	6.68E-04	3.55E-02	1.08E-04	6.90E-08	7.51E-07	1.82E-05	1.27E-04
5860	489103.18	3859957.77	2.41E-04	7.63E-08	8.11E-07	1.62E-05	2.59E-04	1.14E-04	3.14E-02	6.09E-05	5.94E-04	3.22E-02	1.08E-04	6.26E-08	8.11E-07	1.62E-05	1.25E-04
5861	489201.48	3860046.59	2.32E-04	7.48E-08	8.17E-07	1.28E-05	2.46E-04	1.10E-04	3.08E-02	6.13E-05	4.68E-04	3.15E-02	1.04E-04	6.14E-08	8.17E-07	1.28E-05	1.18E-04
5862	489200.11	3860136.61	2.23E-04	8.04E-08	7.57E-07	1.11E-05	2.35E-04	1.05E-04	3.31E-02	5.68E-05	4.08E-04	3.37E-02	9.98E-05	6.60E-08	7.57E-07	1.11E-05	1.12E-04
5863	489198.74	3860226.63	2.13E-04	9.62E-08	7.04E-07	9.81E-06	2.24E-04	1.01E-04	3.96E-02	5.28E-05	3.60E-04	4.02E-02	9.57E-05	7.90E-08	7.04E-07	9.81E-06	1.06E-04
5864	489197.38	3860316.65	2.04E-04	1.42E-07	6.57E-07	8.52E-06	2.14E-04	9.64E-05	5.84E-02	4.92E-05	3.12E-04	5.88E-02	9.17E-05	1.16E-07	6.57E-07	8.52E-06	1.01E-04
5865	489196.01	3860406.68	1.96E-04	1.48E-07	6.16E-07	6.92E-06	2.04E-04	9.27E-05	6.10E-02	4.62E-05	2.54E-04	6.14E-02	8.81E-05	1.22E-07	6.16E-07	6.92E-06	9.58E-05
5866	489194.64	3860496.7	1.88E-04	1.35E-07	5.78E-07	5.40E-06	1.94E-04	8.87E-05	5.58E-02	4.34E-05	1.98E-04	5.61E-02	8.44E-05	1.11E-07	5.78E-07	5.40E-06	9.05E-05
5867	489193.27	3860586.72	1.81E-04	8.83E-08	5.47E-07	4.15E-06	1.86E-04	8.54E-05	3.64E-02	4.10E-05	1.52E-04	3.67E-02	8.12E-05	7.25E-08	5.47E-07	4.15E-06	8.59E-05
5868	489092.02	3860678.13	1.73E-04	5.13E-08	4.99E-07	3.32E-06	1.77E-04	8.16E-05	2.11E-02	3.74E-05	1.22E-04	2.14E-02	7.76E-05	4.21E-08	4.99E-07	3.32E-06	8.14E-05
5869	488992.13	3860679.52	1.72E-04	5.22E-08	4.89E-07	3.42E-06	1.76E-04	8.10E-05	2.15E-02	3.67E-05	1.26E-04	2.17E-02	7.70E-05	4.28E-08	4.89E-07	3.42E-06	8.10E-05
5870	488892.24	3860680.92	1.71E-04	5.25E-08	4.91E-07	3.44E-06	1.75E-04	8.05E-05	2.16E-02	3.68E-05	1.26E-04	2.19E-02	7.65E-05	4.31E-08	4.91E-07	3.44E-06	8.05E-05
5871	488792.36	3860682.31	1.69E-04	5.19E-08	5.00E-07	3.34E-06	1.73E-04	7.97E-05	2.14E-02	3.75E-05	1.22E-04	2.16E-02	7.58E-05	4.26E-08	5.00E-07	3.34E-06	7.97E-05
5872	488692.47	3860683.7	1.68E-04	5.13E-08	5.16E-07	3.16E-06	1.71E-04	7.90E-05	2.11E-02	3.87E-05	1.16E-04	2.14E-02	7.52E-05	4.21E-08	5.16E-07	3.16E-06	7.89E-05
5873	488592.59	3860685.1	1.65E-04	4.95E-08	5.37E-07	2.99E-06	1.69E-04	7.81E-05	2.04E-02	4.02E-05	1.10E-04	2.06E-02	7.42E-05	4.06E-08	5.37E-07	2.99E-06	7.78E-05
5874	488492.71	3860686.49	1.65E-04	4.89E-08	5.72E-07	3.02E-06	1.68E-04	7.77E-05	2.01E-02	4.29E-05	1.11E-04	2.04E-02	7.39E-05	4.01E-08	5.72E-07	3.02E-06	7.75E-05
5875	488299.07	3860762.18	1.61E-04	3.42E-08	6.68E-07	2.41E-06	1.64E-04	7.58E-05	1.41E-02	5.01E-05	8.85E-05	1.43E-02	7.21E-05	2.81E-08	6.68E-07	2.41E-06	7.52E-05
5876	488205.32	3860764.09	1.59E-04	3.25E-08	7.02E-07	2.29E-06	1.62E-04	7.51E-05	1.34E-02	5.26E-05	8.39E-05	1.36E-02	7.14E-05	2.66E-08	7.02E-07	2.29E-06	7.44E-05
5877	488111.56	3860766	1.58E-04	3.02E-08	7.16E-07	2.14E-06	1.61E-04	7.44E-05	1.24E-02	5.37E-05	7.84E-05	1.26E-02	7.07E-05	2.48E-08	7.16E-07	2.14E-06	7.36E-05
5878	488017.81	3860767.91	1.56E-04	2.78E-08	7.11E-07	2.04E-06	1.59E-04	7.38E-05	1.14E-02	5.33E-05	7.49E-05	1.16E-02	7.02E-05	2.28E-08	7.11E-07	2.04E-06	7.29E-05
5879	487924.06	3860769.81	1.56E-04	2.57E-08	6.92E-07	1.94E-06	1.58E-04	7.34E-05	1.06E-02	5.19E-05	7.11E-05	1.08E-02	6.98E-05	2.11E-08	6.92E-07	1.94E-06	7.24E-05
5880	487830.31	3860771.72	1.55E-04	2.39E-08	6.67E-07	1.85E-06	1.58E-04	7.31E-05	9.86E-03	5.00E-05	6.77E-05	1.01E-02	6.95E-05	1.96E-08	6.67E-07	1.85E-06	7.21E-05
5881	487736.55	3860773.63	1.55E-04	2.25E-08	6.39E-07	1.73E-06	1.57E-04	7.29E-05	9.27E-03	4.79E-05	6.36E-05	9.45E-03	6.93E-05	1.85E-08	6.39E-07	1.73E-06	7.17E-05
5882	487642.8	3860775.54	1.54E-04	2.13E-08	6.09E-07	1.62E-06	1.57E-04	7.28E-05	8.76E-03	4.57E-05	5.95E-05	8.94E-03	6.93E-05	1.75E-08	6.09E-07	1.62E-06	7.15E-05
5883	487549.48	3860684.71	1.60E-04	2.32E-08	5.88E-07	1.69E-06	1.62E-04	7.54E-05	9.58E-03	4.41E-05	6.21E-05	9.76E-03	7.17E-05	1.91E-08	5.88E-07	1.69E-06	7.40E-05
5884	487549.91	3860591.97	1.65E-04	2.71E-08	5.94E-07	1.84E-06	1.67E-04	7.78E-05	1.12E-02	4.46E-05	6.76E-05	1.14E-02	7.40E-05	2.22E-08	5.94E-07	1.84E-06	7.64E-05
5885	487550.34	3860499.23	1.71E-04	3.16E-08	6.05E-07	2.05E-06	1.74E-04	8.07E-05	1.30E-02	4.54E-05	7.53E-05	1.32E-02	7.67E-05	2.60E-08	6.05E-07	2.05E-06	7.94E-05
5886	487550.76	3860406.49	1.78E-04	3.54E-08	6.16E-07	2.39E-06	1.81E-04	8.39E-05	1.46E-02	4.62E-05	8.75E-05	1.48E-02	7.98E-05	2.91E-08	6.16E-07	2.39E-06	8.28E-05
5887	487551.19	3860313.75	1.85E-04	3.80E-08	6.25E-07	2.75E-06	1.88E-04	8.71E-05	1.57E-02	4.69E-05	1.01E-04	1.59E-02	8.28E-05	3.12E-08	6.25E-07	2.75E-06	8.62E-05
5888	487551.62	3860221.01	1.92E-04	4.04E-08	6.35E-07	3.05E-06	1.96E-04	9.06E-05	1.66E-02	4.76E-05	1.12E-04	1.69E-02	8.62E-05	3.31E-08	6.35E-07	3.05E-06	8.99E-05
5889	487552.05	3860128.27	2.01E-04	4.33E-08	6.50E-07	3.31E-06	2.05E-04	9.49E-05	1.78E-02	4.87E-05	1.21E-04	1.81E-02	9.02E-05	3.55E-08	6.50E-07	3.31E-06	9.42E-05
5890	487552.48	3860035.53	2.11E-04	4.59E-08	6.65E-07	3.62E-06	2.15E-04	9.93E-05	1.89E-02	4.99E-05	1.33E-04	1.92E-02	9.44E-05	3.77E-08	6.65E-07	3.62E-06	9.88E-05
5891	487552.91	3859942.79	2.19E-04	4.77E-08	6.80E-07	3.98E-06	2.24E-04	1.03E-04	1.97E-02	5.10E-05	1.46E-04	2.00E-02	9.82E-05	3.92E-08	6.80E-07	3.98E-06	1.03E-04
5892	487553.33	3859850.05	2.30E-04	5.13E-08	7.01E-07	4.42E-06	2.35E-04	1.08E-04	2.11E-02	5.26E-05	1.62E-04	2.15E-02	1.03E-04	4.21E-08	7.01E-07	4.42E-06	1.08E-04
5893	487553.76	3859757.31	2.40E-04	5.55E-08	7.25E-07	4.90E-06	2.46E-04	1.13E-04	2.29E-02	5.43E-05	1.80E-04	2.32E-02	1.08E-04	4.55E-08	7.25E-07	4.90E-06	1.13E-04
5894	487554.19	3859664.57	2.52E-04	6.28E-08	7.53E-07	5.37E-06	2.58E-04	1.19E-04	2.59E-02	5.64E-05	1.97E-04	2.62E-02	1.13E-04	5.15E-08	7.53E-07	5.37E-06	1.19E-04
5895	487460.2	3859571.05	2.62E-04	7.21E-08	7.75E-07	4.98E-06	2.68E-04	1.24E-04	2.97E-02	5.81E-05	1.83E-04	3.01E-02	1.17E-04	5.92E-08	7.75E-07	4.98E-06	1.23E-04
5896	487365.78	3859570.27	2.60E-04	6.67E-08	7.81E-07	4.45E-06	2.66E-04	1.23E-04	2.75E-02	5.86E-05	1.63E-04	2.78E-02	1.17E-04	5.47E-08	7.81E-07	4.45E-06	1.22E-04
5897	487271.36	3859569.48	2.58E-04	6.19E-08	7.99E-07	4.09E-06	2.63E-04	1.22E-04	2.55E-02	6.00E-05	1.50E-04	2.59E-02	1.16E-04	5.08E-08	7.99E-07	4.09E-06	1.21E-04
5898	487176.94	3859568.7	2.56E-04	5.71E-08	8.15E-07	3.76E-06	2.60E-04	1.21E-04	2.35E-02	6.11E-05	1.38E-04	2.38E-02	1.15E-04	4.68E-08	8.15E-07	3.76E-06	1.19E-04
5899	487082.51	3859567.92	2.54E-04	5.24E-08	8.27E-07	3.50E-06	2.59E-04	1.20E-04	2.16E-02	6.20E-05	1.28E-04	2.19E-02	1.14E-04	4.30E-08	8.27E-07	3.50E-06	1.18E-04
5900	486988.09	3859567.14	2.53E-04	4.76E-08	8.47E-07	3.28E-06	2.58E-04	1.20E-04	1.96E-02	6.35E-05	1.20E-04	1.99E-02	1.14E-04	3.91E-08	8.47E-07	3.28E-06	1.18E-04
5901	486893.67	3859566.36	2.54E-04	4.31E-08	8.83E-07	3.04E-06	2.58E-04	1.20E-04	1.78E-02	6.62E-05	1.11E-04	1.81E-02	1.14E-04	3.54E-08	8.83E-07	3.04E-06	1.18E-04
5902	486799.25	3859565.58	2.54E-04	3.90E-08	9.29E-07	2.77E-06	2.58E-04	1.20E-04	1.61E-02	6.97E-05	1.02E-04	1.63E-02	1.14E-04	3.20E-08	9.29E-07	2.77E-06	1.18E-04
5903	486704.83	3859564.79	2.55E-04	3.53E-08	9.73E-07	2.56E-06	2.59E-04	1.20E-04	1.45E-02	7.30E-05	9.39E-05	1.48E-02	1.15E-04	2.90E-08	9.73E-07	2.56E-06	1.18E-04
5904	486610.41	3859564.01	2.57E-04	3.21E-08	1.01E-06	2.37E-06	2.60E-04	1.21E-04	1.32E-02	7.58E-05	8.70E-05	1.35E-02	1.15E-04	2.63E-08	1.01E-06	2.37E-06	1.19E-04
5905	486515.99	3859563.23	2.57E-04	2.92E-08	1.04E-06	2.20E-06	2.61E-04	1.21E-04	1.20E-02	7.80E-05	8.05E-05	1.23E-02	1.15E-04	2.40E-08	1.04E-06	2.20E-06	1.19E-04
5906	486421.57	3859562.45	2.59E-04	2.68E-08	1.07E-06	2.05E-06	2.62E-04	1.22E-04	1.11E-02	8.03E-05	7.50E-05	1.13E-02	1.16E-04	2.20E-08	1.07E-06	2.05E-06	1.19E-04
5907	486327.14	3859561.67	2.61E-04	2.49E-08	1.11E-06	1.91E-06	2.64E-04	1.23E-04	1.02E-02	8.29E-05	7.01E-05	1.05E-02	1.17E-04	2.04E-08	1.11E-06	1.91E-06	1.20E-04
5908	486232.72	3859560.89	2.62E-04	2.31E-08	1.14E-06	1.79E-06	2.65E-04	1.24E-04	9.50E-03	8.55E-05	6.57E-05	9.77E-03	1.17E-04	1.89E-08	1.14E-06	1.79E-06	1.20E-04
5909	486138.3	3859560.1	2.63E-04	2.15E-08	1.17E-06	1.69E-06	2.65E-04	1.24E-04	8.84E-03	8.80E-05	6.18E-05	9.12E-03	1.18E-04	1.76E-08	1.17E-06	1.69E-06	1.21E-04
5910	486043.88	3859559.32	2.62E-04	2.00E-08	1.20E-06	1.59E-06	2.65E-04	1.24E-04	8.24E-03	9.03E-05	5.83E-05	8.52E-03	1.18E-04	1.64E-08	1.20E-06	1.59E-06	1.20E-04
5911	485949.35	3859463.54	2.75E-04	2.01E-08	1.30E-06	1.58E-06	2.78E-04	1.30E-04	8.27E-03	9.71E-05	5.80E-05	8.56E-03	1.23E-04	1.65E-08	1.30E-06	1.58E-06	1.26E-04
5912	485949.24	3859368.55	2.90E-04	2.17E-08	1.36E-06	1.66E-06	2.93E-04	1.37E-04	8.92E-03	1.02E-04	6.09E-05	9.22E-03	1.30E-04	1.78E-08	1.36E-06	1.66E-06	1.33E-04
5913	485949.12	3859273.55	3.06E-04	2.34E-08	1.42E-06	1.75E-06	3.09E-04	1.44E-04	9.66E-03	1.07E-04	6.41E-05	9.97E-03	1.37E-04	1.92E-08	1.42E-06	1.75E-06	1.41E-04

5914	485949.01	3859178.56	3.24E-04	2.54E-08	1.47E-06	1.84E-06	3.27E-04	1.53E-04	1.05E-02	1.10E-04	6.73E-05	1.08E-02	1.45E-04	2.08E-08	1.47E-06	1.84E-06	1.49E-04
5915	485948.9	3859083.56	3.44E-04	2.75E-08	1.52E-06	1.94E-06	3.47E-04	1.62E-04	1.13E-02	1.14E-04	7.10E-05	1.17E-02	1.54E-04	2.26E-08	1.52E-06	1.94E-06	1.58E-04
5916	485948.79	3858988.56	3.65E-04	2.94E-08	1.57E-06	2.04E-06	3.68E-04	1.72E-04	1.21E-02	1.17E-04	7.49E-05	1.25E-02	1.64E-04	2.41E-08	1.57E-06	2.04E-06	1.67E-04
5917	485948.67	3858893.57	3.87E-04	3.08E-08	1.61E-06	2.13E-06	3.91E-04	1.83E-04	1.27E-02	1.21E-04	7.81E-05	1.31E-02	1.74E-04	2.53E-08	1.61E-06	2.13E-06	1.77E-04
5918	485948.56	3858798.57	4.14E-04	3.17E-08	1.65E-06	2.18E-06	4.18E-04	1.95E-04	1.31E-02	1.24E-04	8.01E-05	1.35E-02	1.86E-04	2.60E-08	1.65E-06	2.18E-06	1.89E-04
5919	485948.45	3858703.58	4.39E-04	3.23E-08	1.67E-06	2.21E-06	4.43E-04	2.07E-04	1.33E-02	1.25E-04	8.10E-05	1.37E-02	1.97E-04	2.65E-08	1.67E-06	2.21E-06	2.01E-04
5920	485948.34	3858608.58	4.70E-04	3.29E-08	1.66E-06	2.24E-06	4.74E-04	2.22E-04	1.35E-02	1.25E-04	8.21E-05	1.40E-02	2.11E-04	2.70E-08	1.66E-06	2.24E-06	2.15E-04
5921	485948.22	3858513.59	5.04E-04	3.35E-08	1.63E-06	2.28E-06	5.08E-04	2.38E-04	1.38E-02	1.22E-04	8.36E-05	1.43E-02	2.26E-04	2.75E-08	1.63E-06	2.28E-06	2.30E-04
5922	485948.11	3858418.59	5.40E-04	3.45E-08	1.60E-06	2.29E-06	5.44E-04	2.55E-04	1.42E-02	1.20E-04	8.40E-05	1.47E-02	2.42E-04	2.83E-08	1.60E-06	2.29E-06	2.46E-04
5923	485948	3858323.59	5.84E-04	3.57E-08	1.62E-06	2.29E-06	5.88E-04	2.76E-04	1.47E-02	1.21E-04	8.39E-05	1.52E-02	2.62E-04	2.93E-08	1.62E-06	2.29E-06	2.66E-04
5924	485947.89	3858228.6	6.30E-04	3.69E-08	1.67E-06	2.30E-06	6.34E-04	2.97E-04	1.52E-02	1.25E-04	8.42E-05	1.57E-02	2.83E-04	3.03E-08	1.67E-06	2.30E-06	2.86E-04
5925	485947.77	3858133.6	6.81E-04	3.81E-08	1.72E-06	2.27E-06	6.85E-04	3.21E-04	1.57E-02	1.29E-04	8.34E-05	1.62E-02	3.05E-04	3.13E-08	1.72E-06	2.27E-06	3.09E-04
5926	485947.66	3858038.61	7.47E-04	3.96E-08	1.76E-06	2.19E-06	7.51E-04	3.52E-04	1.63E-02	1.32E-04	8.04E-05	1.69E-02	3.35E-04	3.25E-08	1.76E-06	2.19E-06	3.39E-04
5927	485854.54	3857943.35	7.95E-04	3.85E-08	1.69E-06	1.96E-06	7.98E-04	3.75E-04	1.59E-02	1.27E-04	7.19E-05	1.64E-02	3.56E-04	3.16E-08	1.69E-06	1.96E-06	3.60E-04
5928	485761.52	3857943.09	7.77E-04	3.50E-08	1.62E-06	1.87E-06	7.81E-04	3.67E-04	1.44E-02	1.22E-04	6.87E-05	1.50E-02	3.49E-04	2.87E-08	1.62E-06	1.87E-06	3.52E-04
5929	485668.51	3857942.83	7.63E-04	3.23E-08	1.56E-06	1.80E-06	7.67E-04	3.60E-04	1.33E-02	1.17E-04	6.59E-05	1.38E-02	3.42E-04	2.65E-08	1.56E-06	1.80E-06	3.46E-04
5930	485575.5	3857942.56	7.45E-04	3.01E-08	1.51E-06	1.72E-06	7.49E-04	3.52E-04	1.24E-02	1.13E-04	6.32E-05	1.29E-02	3.34E-04	2.47E-08	1.51E-06	1.72E-06	3.38E-04
5931	485482.48	3857942.3	7.32E-04	2.83E-08	1.46E-06	1.66E-06	7.35E-04	3.45E-04	1.17E-02	1.09E-04	6.07E-05	1.22E-02	3.28E-04	2.32E-08	1.46E-06	1.66E-06	3.31E-04
5932	485389.47	3857942.04	7.18E-04	2.67E-08	1.41E-06	1.59E-06	7.21E-04	3.39E-04	1.10E-02	1.06E-04	5.83E-05	1.15E-02	3.22E-04	2.19E-08	1.41E-06	1.59E-06	3.25E-04
5933	485296.46	3857941.78	7.05E-04	2.54E-08	1.37E-06	1.53E-06	7.08E-04	3.32E-04	1.05E-02	1.02E-04	5.63E-05	1.09E-02	3.16E-04	2.08E-08	1.37E-06	1.53E-06	3.19E-04
5934	485203.45	3857941.52	6.95E-04	2.41E-08	1.33E-06	1.49E-06	6.98E-04	3.28E-04	9.95E-03	9.95E-05	5.45E-05	1.04E-02	3.12E-04	1.98E-08	1.33E-06	1.49E-06	3.14E-04
5935	485110.43	3857941.26	6.81E-04	2.31E-08	1.29E-06	1.44E-06	6.84E-04	3.21E-04	9.51E-03	9.66E-05	5.29E-05	9.99E-03	3.05E-04	1.90E-08	1.29E-06	1.44E-06	3.08E-04
5936	485017.42	3857940.99	6.66E-04	2.21E-08	1.25E-06	1.40E-06	6.69E-04	3.14E-04	9.12E-03	9.38E-05	5.14E-05	9.58E-03	2.99E-04	1.82E-08	1.25E-06	1.40E-06	3.01E-04
5937	484924.41	3857940.73	6.51E-04	2.13E-08	1.22E-06	1.37E-06	6.54E-04	3.07E-04	8.76E-03	9.11E-05	5.04E-05	9.20E-03	2.92E-04	1.74E-08	1.22E-06	1.37E-06	2.95E-04
5938	484831.39	3857940.47	6.39E-04	2.04E-08	1.18E-06	1.36E-06	6.41E-04	3.01E-04	8.40E-03	8.87E-05	5.00E-05	8.84E-03	2.86E-04	1.67E-08	1.18E-06	1.36E-06	2.89E-04
5939	484738.12	3857859.3	6.58E-04	2.13E-08	1.14E-06	1.40E-06	6.61E-04	3.10E-04	8.77E-03	8.57E-05	5.12E-05	9.22E-03	2.95E-04	1.75E-08	1.14E-06	1.40E-06	2.98E-04
5940	484737.85	3857778.4	6.95E-04	2.35E-08	1.14E-06	1.45E-06	6.97E-04	3.28E-04	9.68E-03	8.52E-05	5.31E-05	1.01E-02	3.12E-04	1.93E-08	1.14E-06	1.45E-06	3.14E-04
5941	484737.59	3857697.49	7.31E-04	2.64E-08	1.14E-06	1.51E-06	7.34E-04	3.45E-04	1.09E-02	8.52E-05	5.55E-05	1.13E-02	3.28E-04	2.16E-08	1.14E-06	1.51E-06	3.31E-04
5942	484737.32	3857616.59	7.68E-04	3.03E-08	1.14E-06	1.59E-06	7.71E-04	3.62E-04	1.25E-02	8.59E-05	5.84E-05	1.30E-02	3.44E-04	2.49E-08	1.14E-06	1.59E-06	3.47E-04
5943	484645.53	3857535.18	7.84E-04	3.35E-08	1.13E-06	1.67E-06	7.87E-04	3.70E-04	1.38E-02	8.48E-05	6.12E-05	1.43E-02	3.52E-04	2.75E-08	1.13E-06	1.67E-06	3.54E-04
5944	484553.99	3857534.67	7.58E-04	3.14E-08	1.10E-06	1.63E-06	7.60E-04	3.57E-04	1.29E-02	8.25E-05	5.96E-05	1.34E-02	3.40E-04	2.58E-08	1.10E-06	1.63E-06	3.43E-04
5945	484462.46	3857534.17	7.35E-04	2.96E-08	1.07E-06	1.60E-06	7.37E-04	3.46E-04	1.22E-02	8.04E-05	5.86E-05	1.27E-02	3.29E-04	2.43E-08	1.07E-06	1.60E-06	3.32E-04
5946	484370.93	3857533.66	7.11E-04	2.79E-08	1.04E-06	1.55E-06	7.14E-04	3.35E-04	1.15E-02	7.83E-05	5.68E-05	1.20E-02	3.19E-04	2.29E-08	1.04E-06	1.55E-06	3.22E-04
5947	484279.4	3857533.16	6.89E-04	2.64E-08	1.02E-06	1.52E-06	6.91E-04	3.25E-04	1.09E-02	7.64E-05	5.56E-05	1.13E-02	3.09E-04	2.16E-08	1.02E-06	1.52E-06	3.12E-04
5948	484187.86	3857532.65	6.66E-04	2.49E-08	9.93E-07	1.54E-06	6.69E-04	3.14E-04	1.03E-02	7.45E-05	5.66E-05	1.07E-02	2.99E-04	2.05E-08	9.93E-07	1.54E-06	3.01E-04
5949	484096.33	3857532.15	6.46E-04	2.34E-08	9.70E-07	1.57E-06	6.48E-04	3.04E-04	9.63E-03	7.28E-05	5.77E-05	1.01E-02	2.90E-04	1.92E-08	9.70E-07	1.57E-06	2.92E-04
5950	484004.8	3857531.64	6.23E-04	2.22E-08	9.47E-07	1.56E-06	6.25E-04	2.94E-04	9.15E-03	7.10E-05	5.71E-05	9.58E-03	2.79E-04	1.82E-08	9.47E-07	1.56E-06	2.82E-04
5951	483913.27	3857531.14	5.99E-04	2.13E-08	9.24E-07	1.55E-06	6.02E-04	2.83E-04	8.79E-03	6.93E-05	5.67E-05	9.20E-03	2.69E-04	1.75E-08	9.24E-07	1.55E-06	2.71E-04
5952	483821.73	3857530.63	5.79E-04	2.02E-08	9.02E-07	1.59E-06	5.81E-04	2.73E-04	8.33E-03	6.77E-05	5.82E-05	8.73E-03	2.60E-04	1.66E-08	9.02E-07	1.59E-06	2.62E-04
5953	483729.61	3857450.11	5.80E-04	2.12E-08	8.96E-07	1.72E-06	5.83E-04	2.74E-04	8.74E-03	6.72E-05	6.30E-05	9.14E-03	2.60E-04	1.74E-08	8.96E-07	1.72E-06	2.63E-04
5954	483729.03	3857370.08	6.03E-04	2.33E-08	9.15E-07	1.82E-06	6.06E-04	2.85E-04	9.61E-03	6.86E-05	6.67E-05	1.00E-02	2.71E-04	1.91E-08	9.15E-07	1.82E-06	2.73E-04
5955	483728.44	3857290.06	6.24E-04	2.63E-08	9.37E-07	1.92E-06	6.27E-04	2.94E-04	1.08E-02	7.03E-05	7.05E-05	1.13E-02	2.80E-04	2.16E-08	9.37E-07	1.92E-06	2.83E-04
5956	483727.86	3857210.03	6.45E-04	3.03E-08	9.60E-07	2.05E-06	6.48E-04	3.04E-04	1.25E-02	7.20E-05	7.51E-05	1.29E-02	2.89E-04	2.48E-08	9.60E-07	2.05E-06	2.92E-04
5957	483641.15	3857129.07	6.43E-04	3.10E-08	9.63E-07	2.14E-06	6.46E-04	3.03E-04	1.28E-02	7.22E-05	7.83E-05	1.32E-02	2.88E-04	2.55E-08	9.63E-07	2.14E-06	2.91E-04
5958	483555.03	3857128.14	6.18E-04	2.77E-08	9.43E-07	2.08E-06	6.21E-04	2.91E-04	1.14E-02	7.07E-05	7.63E-05	1.18E-02	2.77E-04	2.27E-08	9.43E-07	2.08E-06	2.80E-04
5959	483468.91	3857127.2	5.90E-04	2.54E-08	9.21E-07	2.00E-06	5.93E-04	2.78E-04	1.05E-02	6.91E-05	7.33E-05	1.09E-02	2.65E-04	2.08E-08	9.21E-07	2.00E-06	2.68E-04
5960	483382.78	3857126.26	5.70E-04	2.29E-08	9.04E-07	1.94E-06	5.73E-04	2.69E-04	9.44E-03	6.78E-05	7.10E-05	9.85E-03	2.56E-04	1.88E-08	9.04E-07	1.94E-06	2.58E-04
5961	483296.66	3857125.32	5.48E-04	2.10E-08	8.85E-07	1.89E-06	5.51E-04	2.59E-04	8.66E-03	6.64E-05	6.94E-05	9.05E-03	2.46E-04	1.72E-08	8.85E-07	1.89E-06	2.49E-04
5962	483210.54	3857124.39	5.27E-04	1.94E-08	8.67E-07	1.76E-06	5.29E-04	2.48E-04	8.00E-03	6.50E-05	6.44E-05	8.37E-03	2.36E-04	1.59E-08	8.67E-07	1.76E-06	2.39E-04
5963	483123.4	3857030.96	5.22E-04	1.93E-08	8.73E-07	1.67E-06	5.25E-04	2.46E-04	7.96E-03	6.55E-05	6.12E-05	8.33E-03	2.34E-04	1.59E-08	8.73E-07	1.67E-06	2.37E-04
5964	483122.38	3856938.46	5.39E-04	2.07E-08	8.95E-07	1.73E-06	5.42E-04	2.54E-04	8.51E-03	6.71E-05	6.35E-05	8.89E-03	2.42E-04	1.69E-08	8.95E-07	1.73E-06	2.45E-04
5965	483121.35	3856845.97	5.57E-04	2.19E-08	9.11E-07	1.82E-06	5.60E-04	2.63E-04	9.03E-03	6.83E-05	6.68E-05	9.42E-03	2.50E-04	1.80E-08	9.11E-07	1.82E-06	2.53E-04
5966	483120.33	3856753.47	5.70E-04	2.36E-08	9.16E-07	1.98E-06	5.73E-04	2.69E-04	9.72E-03	6.87E-05	7.25E-05	1.01E-02	2.56E-04	1.94E-08	9.16E-07	1.98E-06	2.58E-04
5967	483119.31	3856660.98	5.83E-04	2.52E-08	9.13E-07	2.19E-06	5.86E-04	2.75E-04	1.04E-02	6.85E-05	8.03E-05	1.08E-02	2.61E-04	2.07E-08	9.13E-07	2.19E-06	2.65E-04
5968	483118.29	3856568.49	5.99E-04	2.64E-08	9.06E-07	2.45E-06	6.02E-04	2.83E-04	1.09E-02	6.79E-05	8.97E-05	1.13E-02	2.69E-04	2.16E-08	9.06E-07	2.45E-06	2.72E-04
5969	483117.26	3856475.99	6.17E-04	2.71E-08	8.94E-07	2.75E-06	6.20E-04	2.91E-04	1.12E-02	6.70E-05	1.01E-04	1.16E-02	2.77E-04	2.23E-08	8.94E-07	2.75E-06	2.80E-04
5970	483116.24	3856383.5	6.33E-04	2.82E-08	8.78E-07	3.18E-06	6.37E-04	2.98E-04	1.16E-02	6.58E-05	1.17E-04	1.21E-02	2.84E-04	2.31E-08	8.78E-07	3.18E-06	2.88E-04
5971	483115.22	3856291.01	6.48E-04	2.91E-08	8.58E-07	3.76E-06	6.53E-04	3.06E-04	1.20E-02	6.44E-05	1.38E-04	1.25E-02	2.91E-04	2.39E-08	8.58E-07	3.76E-06	2.95E-04
5972	483114.2	3856198.51	6.61E-04	3.07E-08	8.32E-07	4.29E-06	6.66E-04	3.12E-04	1.26E-02	6.24E-05	1.57E-04	1.32E-02	2.96E-04	2.52E-08	8.32E-07	4.29E-06	3.01E-04
5973	483113.17	3856106.02	6.78E-04	3.12E-08	8.04E-07	4.52E-06	6.83E-04	3.20E-04	1.28E-02	6.03E-05	1.66E-04	1.34E-02	3.04E-04	2.56E-08	8.04E-07	4.52E-06	3.09E-04
5974	483112.15	3856013.52	6.87E-04	3.33E-08	7.65E-07	4.42E-06	6.92E-04	3.24E-04	1.37E-02	5.73E-05	1.62E-04	1.42E-02	3.08E-04	2.73E-08	7.65E-07	4.42E-06	3.13E-04

5975	483029.25	3855920.47	6.58E-04	3.02E-08	7.31E-07	3.60E-06	6.62E-04	3.10E-04	1.24E-02	5.48E-05	1.32E-04	1.29E-02	2.95E-04	2.48E-08	7.31E-07	3.60E-06	2.99E-04
5976	482947.37	3855919.91	6.24E-04	2.63E-08	7.38E-07	3.23E-06	6.28E-04	2.95E-04	1.08E-02	5.54E-05	1.18E-04	1.13E-02	2.80E-04	2.16E-08	7.38E-07	3.23E-06	2.84E-04
5977	482865.49	3855919.36	5.93E-04	2.37E-08	7.43E-07	2.92E-06	5.96E-04	2.80E-04	9.75E-03	5.57E-05	1.07E-04	1.02E-02	2.66E-04	1.94E-08	7.43E-07	2.92E-06	2.69E-04
5978	482783.61	3855918.8	5.66E-04	2.10E-08	7.50E-07	2.67E-06	5.70E-04	2.67E-04	8.66E-03	5.63E-05	9.79E-05	9.08E-03	2.54E-04	1.73E-08	7.50E-07	2.67E-06	2.57E-04
5979	482700.33	3855818.39	5.39E-04	2.03E-08	7.15E-07	2.43E-06	5.42E-04	2.54E-04	8.35E-03	5.36E-05	8.91E-05	8.74E-03	2.42E-04	1.66E-08	7.15E-07	2.43E-06	2.45E-04
5980	482698.92	3855718.54	5.39E-04	2.16E-08	6.72E-07	2.32E-06	5.42E-04	2.54E-04	8.90E-03	5.04E-05	8.51E-05	9.29E-03	2.42E-04	1.77E-08	6.72E-07	2.32E-06	2.45E-04
5981	482697.52	3855618.68	5.36E-04	2.34E-08	6.21E-07	2.19E-06	5.39E-04	2.53E-04	9.66E-03	4.66E-05	8.05E-05	1.00E-02	2.40E-04	1.92E-08	6.21E-07	2.19E-06	2.43E-04
5982	482696.11	3855518.83	5.35E-04	2.28E-08	5.70E-07	2.09E-06	5.38E-04	2.52E-04	9.38E-03	4.27E-05	7.65E-05	9.75E-03	2.40E-04	1.87E-08	5.70E-07	2.09E-06	2.43E-04
5983	482694.71	3855418.98	5.28E-04	2.22E-08	5.20E-07	2.01E-06	5.30E-04	2.49E-04	9.16E-03	3.90E-05	7.37E-05	9.52E-03	2.37E-04	1.83E-08	5.20E-07	2.01E-06	2.39E-04
5984	482693.3	3855319.13	5.17E-04	2.09E-08	4.75E-07	2.02E-06	5.20E-04	2.44E-04	8.62E-03	3.57E-05	7.39E-05	8.97E-03	2.32E-04	1.72E-08	4.75E-07	2.02E-06	2.34E-04
5985	482691.9	3855219.27	5.08E-04	1.85E-08	4.38E-07	2.30E-06	5.10E-04	2.39E-04	7.61E-03	3.28E-05	8.44E-05	7.97E-03	2.28E-04	1.52E-08	4.38E-07	2.30E-06	2.30E-04
5986	482690.49	3855119.42	4.94E-04	1.70E-08	4.09E-07	2.98E-06	4.97E-04	2.33E-04	7.02E-03	3.07E-05	1.09E-04	7.39E-03	2.21E-04	1.40E-08	4.09E-07	2.98E-06	2.25E-04
5987	482689.09	3855019.57	4.83E-04	1.39E-08	3.85E-07	3.59E-06	4.87E-04	2.28E-04	5.74E-03	2.89E-05	1.32E-04	6.12E-03	2.17E-04	1.14E-08	3.85E-07	3.59E-06	2.21E-04
5988	482687.68	3854919.71	4.65E-04	1.06E-08	3.70E-07	3.61E-06	4.69E-04	2.19E-04	4.35E-03	2.77E-05	1.33E-04	4.73E-03	2.09E-04	8.66E-09	3.70E-07	3.61E-06	2.13E-04
5989	482686.28	3854819.86	4.47E-04	7.58E-09	3.59E-07	3.15E-06	4.50E-04	2.11E-04	3.12E-03	2.69E-05	1.15E-04	3.48E-03	2.00E-04	6.22E-09	3.59E-07	3.15E-06	2.04E-04
5990	482684.88	3854720.01	4.22E-04	6.11E-09	3.52E-07	2.54E-06	4.25E-04	1.99E-04	2.52E-03	2.64E-05	9.33E-05	2.84E-03	1.89E-04	5.01E-09	3.52E-07	2.54E-06	1.92E-04
5991	482683.47	3854620.16	3.99E-04	4.99E-09	3.44E-07	2.03E-06	4.01E-04	1.88E-04	2.06E-03	2.58E-05	7.46E-05	2.35E-03	1.79E-04	4.10E-09	3.44E-07	2.03E-06	1.81E-04
5992	482682.07	3854520.31	3.75E-04	4.35E-09	3.39E-07	1.68E-06	3.77E-04	1.77E-04	1.79E-03	2.55E-05	6.17E-05	2.05E-03	1.68E-04	3.57E-09	3.39E-07	1.68E-06	1.70E-04
5993	482680.66	3854420.45	3.55E-04	3.89E-09	3.34E-07	1.45E-06	3.57E-04	1.68E-04	1.60E-03	2.51E-05	5.31E-05	1.85E-03	1.59E-04	3.19E-09	3.34E-07	1.45E-06	1.61E-04
5994	482679.26	3854320.6	3.39E-04	3.54E-09	3.29E-07	1.28E-06	3.40E-04	1.60E-04	1.46E-03	2.47E-05	4.69E-05	1.69E-03	1.52E-04	2.91E-09	3.29E-07	1.28E-06	1.53E-04
5995	482677.85	3854220.75	3.27E-04	3.14E-09	3.23E-07	1.14E-06	3.28E-04	1.54E-04	1.29E-03	2.42E-05	4.17E-05	1.51E-03	1.47E-04	2.58E-09	3.23E-07	1.14E-06	1.48E-04
5996	482676.45	3854120.9	3.08E-04	3.00E-09	3.21E-07	1.03E-06	3.09E-04	1.45E-04	1.23E-03	2.40E-05	3.77E-05	1.44E-03	1.38E-04	2.46E-09	3.21E-07	1.03E-06	1.39E-04
5997	482675.04	3854021.04	2.88E-04	2.83E-09	3.18E-07	9.40E-07	2.89E-04	1.36E-04	1.16E-03	2.39E-05	3.45E-05	1.36E-03	1.29E-04	2.32E-09	3.18E-07	9.40E-07	1.30E-04
5998	482673.64	3853921.19	2.65E-04	2.68E-09	3.16E-07	8.72E-07	2.67E-04	1.25E-04	1.10E-03	2.37E-05	3.20E-05	1.28E-03	1.19E-04	2.20E-09	3.16E-07	8.72E-07	1.20E-04
5999	482672.23	3853821.34	2.45E-04	2.50E-09	3.11E-07	8.17E-07	2.46E-04	1.15E-04	1.03E-03	2.33E-05	3.00E-05	1.20E-03	1.10E-04	2.05E-09	3.11E-07	8.17E-07	1.11E-04
6000	482670.83	3853721.48	2.26E-04	2.34E-09	3.07E-07	7.71E-07	2.27E-04	1.07E-04	9.64E-04	2.30E-05	2.83E-05	1.12E-03	1.01E-04	1.92E-09	3.07E-07	7.71E-07	1.02E-04
6001	482669.42	3853621.63	2.11E-04	2.21E-09	3.03E-07	7.32E-07	2.12E-04	9.95E-05	9.12E-04	2.27E-05	2.68E-05	1.06E-03	9.46E-05	1.82E-09	3.03E-07	7.32E-07	9.56E-05
6002	482645.99	3853446.13	1.98E-04	2.01E-09	2.94E-07	6.69E-07	1.99E-04	9.32E-05	8.27E-04	2.21E-05	2.45E-05	9.67E-04	8.86E-05	1.65E-09	2.94E-07	6.69E-07	8.96E-05
6003	482623.97	3853370.48	1.95E-04	1.93E-09	2.90E-07	6.44E-07	1.96E-04	9.19E-05	7.96E-04	2.18E-05	2.36E-05	9.33E-04	8.74E-05	1.59E-09	2.90E-07	6.44E-07	8.84E-05
6004	482601.94	3853294.84	1.94E-04	1.86E-09	2.87E-07	6.21E-07	1.95E-04	9.15E-05	7.66E-04	2.15E-05	2.28E-05	9.02E-04	8.70E-05	1.53E-09	2.87E-07	6.21E-07	8.79E-05
6005	482531.29	3853133.44	1.91E-04	1.71E-09	2.77E-07	5.76E-07	1.92E-04	9.03E-05	7.05E-04	2.08E-05	2.11E-05	8.37E-04	8.58E-05	1.40E-09	2.77E-07	5.76E-07	8.67E-05
6006	482482.68	3853047.69	1.89E-04	1.63E-09	2.73E-07	5.53E-07	1.90E-04	8.92E-05	6.72E-04	2.05E-05	2.03E-05	8.02E-04	8.48E-05	1.34E-09	2.73E-07	5.53E-07	8.56E-05
6007	482383.09	3852897.4	1.82E-04	1.53E-09	2.65E-07	5.16E-07	1.82E-04	8.56E-05	6.28E-04	1.99E-05	1.89E-05	7.53E-04	8.14E-05	1.25E-09	2.65E-07	5.16E-07	8.22E-05
6008	482265.64	3852765.26	1.72E-04	1.44E-09	2.59E-07	4.85E-07	1.73E-04	8.10E-05	5.94E-04	1.95E-05	1.78E-05	7.12E-04	7.71E-05	1.18E-09	2.59E-07	4.85E-07	7.78E-05
6009	482199.16	3852697.66	1.67E-04	1.40E-09	2.57E-07	4.69E-07	1.67E-04	7.86E-05	5.77E-04	1.93E-05	1.72E-05	6.92E-04	7.48E-05	1.15E-09	2.57E-07	4.69E-07	7.55E-05
6010	482132.69	3852630.07	1.62E-04	1.36E-09	2.53E-07	4.56E-07	1.63E-04	7.64E-05	5.61E-04	1.90E-05	1.67E-05	6.73E-04	7.26E-05	1.12E-09	2.53E-07	4.56E-07	7.33E-05
6011	482066.21	3852562.48	1.57E-04	1.33E-09	2.51E-07	4.44E-07	1.58E-04	7.42E-05	5.47E-04	1.88E-05	1.63E-05	6.56E-04	7.05E-05	1.09E-09	2.51E-07	4.44E-07	7.12E-05
6012	481999.74	3852494.89	1.53E-04	1.30E-09	2.47E-07	4.34E-07	1.53E-04	7.20E-05	5.35E-04	1.86E-05	1.59E-05	6.41E-04	6.85E-05	1.06E-09	2.47E-07	4.34E-07	6.92E-05
6013	481933.26	3852427.29	1.48E-04	1.27E-09	2.45E-07	4.24E-07	1.49E-04	7.00E-05	5.24E-04	1.84E-05	1.55E-05	6.27E-04	6.66E-05	1.04E-09	2.45E-07	4.24E-07	6.72E-05
6014	481866.79	3852359.7	1.45E-04	1.24E-09	2.42E-07	4.14E-07	1.45E-04	6.82E-05	5.11E-04	1.82E-05	1.52E-05	6.13E-04	6.48E-05	1.02E-09	2.42E-07	4.14E-07	6.55E-05
6015	481800.31	3852292.11	1.41E-04	1.21E-09	2.39E-07	4.06E-07	1.42E-04	6.64E-05	4.99E-04	1.79E-05	1.49E-05	5.99E-04	6.32E-05	9.95E-10	2.39E-07	4.06E-07	6.38E-05
6016	481733.84	3852224.52	1.37E-04	1.19E-09	2.36E-07	3.98E-07	1.38E-04	6.47E-05	4.89E-04	1.77E-05	1.46E-05	5.86E-04	6.16E-05	9.74E-10	2.36E-07	3.98E-07	6.22E-05
6017	481667.36	3852156.92	1.34E-04	1.16E-09	2.34E-07	3.91E-07	1.35E-04	6.32E-05	4.78E-04	1.75E-05	1.43E-05	5.73E-04	6.01E-05	9.52E-10	2.34E-07	3.91E-07	6.07E-05
6018	481600.89	3852089.33	1.30E-04	1.15E-09	2.31E-07	3.83E-07	1.31E-04	6.15E-05	4.72E-04	1.73E-05	1.41E-05	5.65E-04	5.85E-05	9.40E-10	2.31E-07	3.83E-07	5.91E-05
6019	481534.41	3852021.74	1.27E-04	1.13E-09	2.30E-07	3.76E-07	1.28E-04	5.99E-05	4.67E-04	1.72E-05	1.38E-05	5.58E-04	5.70E-05	9.31E-10	2.30E-07	3.76E-07	5.76E-05
6020	481467.94	3851954.15	1.24E-04	1.12E-09	2.27E-07	3.69E-07	1.24E-04	5.84E-05	4.62E-04	1.70E-05	1.35E-05	5.51E-04	5.55E-05	9.20E-10	2.27E-07	3.69E-07	5.61E-05
6021	481401.46	3851886.55	1.21E-04	1.10E-09	2.25E-07	3.63E-07	1.21E-04	5.70E-05	4.55E-04	1.68E-05	1.33E-05	5.42E-04	5.42E-05	9.05E-10	2.25E-07	3.63E-07	5.48E-05
6022	481265.87	3851761.43	1.15E-04	1.08E-09	2.21E-07	3.50E-07	1.15E-04	5.41E-05	4.45E-04	1.66E-05	1.29E-05	5.29E-04	5.15E-05	8.87E-10	2.21E-07	3.50E-07	5.20E-05
6023	481196.74	3851703.89	1.12E-04	1.07E-09	2.19E-07	3.45E-07	1.12E-04	5.27E-05	4.40E-04	1.64E-05	1.27E-05	5.22E-04	5.01E-05	8.77E-10	2.19E-07	3.45E-07	5.07E-05
6024	481076.33	3851619.04	1.06E-04	1.05E-09	2.16E-07	3.37E-07	1.07E-04	5.02E-05	4.34E-04	1.62E-05	1.23E-05	5.12E-04	4.77E-05	8.64E-10	2.16E-07	3.37E-07	4.83E-05
6025	480939.8	3851549.07	1.00E-04	1.03E-09	2.14E-07	3.29E-07	1.01E-04	4.72E-05	4.26E-04	1.61E-05	1.21E-05	5.01E-04	4.48E-05	8.49E-10	2.14E-07	3.29E-07	4.54E-05
6026	480854.56	3851506.41	9.60E-05	1.02E-09	2.13E-07	3.24E-07	9.66E-05	4.53E-05	4.21E-04	1.59E-05	1.19E-05	4.95E-04	4.31E-05	8.40E-10	2.13E-07	3.24E-07	4.36E-05
6027	480769.32	3851463.75	9.22E-05	1.01E-09	2.12E-07	3.20E-07	9.28E-05	4.35E-05	4.15E-04	1.59E-05	1.17E-05	4.87E-04	4.14E-05	8.28E-10	2.12E-07	3.20E-07	4.19E-05
6028	480684.08	3851421.08	8.86E-05	9.95E-10	2.11E-07	3.16E-07	8.92E-05	4.18E-05	4.10E-04	1.58E-05	1.16E-05	4.79E-04	3.97E-05	8.16E-10	2.11E-07	3.16E-07	4.03E-05
6029	480598.84	3851378.42	8.51E-05	9.88E-10	2.10E-07	3.12E-07	8.57E-05	4.02E-05	4.07E-04	1.58E-05	1.14E-05	4.74E-04	3.82E-05	8.11E-10	2.10E-07	3.12E-07	3.87E-05
6030	480435.71	3851275.01	7.96E-05	9.63E-10	2.07E-07	3.05E-07	8.01E-05	3.75E-05	3.97E-04	1.55E-05	1.12E-05	4.61E-04	3.57E-05	7.91E-10	2.07E-07	3.05E-07	3.62E-05
6031	480347.85	3851232.36	7.65E-05	9.57E-10	2.06E-07	3.01E-07	7.70E-05	3.61E-05	3.94E-04	1.54E-05	1.11E-05	4.57E-04	3.43E-05	7.85E-10	2.06E-07	3.01E-07	3.48E-05
6032	480260	3851189.72	7.36E-05	9.50E-10	2.05E-07	2.98E-07	7.41E-05	3.47E-05	3.91E-04	1.54E-05	1.09E-05	4.52E-04	3.30E-05	7.79E-10	2.05E-07	2.98E-07	3.35E-05
6033	480172.15	3851147.07	7.10E-05	9.41E-10	2.04E-07	2.95E-07	7.15E-05	3.35E-05	3.88E-04	1.53E-05	1.08E-05	4.47E-04	3.19E-05	7.72E-10	2.04E-07	2.95E-07	3.24E-05
6034	480084.29	3851104.42	6.86E-05	9.31E-10	2.03E-07	2.93E-07	6.91E-05	3.24E-05	3.84E-04	1.52E-05	1.07E-05	4.42E-04	3.08E-05	7.64E-10	2.03E-07	2.93E-07	3.13E-05
6035	479996.44	3851061.77	6.64E-05	9.20E-10	2.02E-07	2.90E-07	6.69E-05	3.13E-05	3.79E-04	1.51E-05	1.06E-05	4.36E-04	2.98E-05	7.55E-10	2.02E-07	2.90E-07	3.03E-05

6036	479908.58	3851019.13	6.44E-05	8.92E-10	2.01E-07	2.88E-07	6.49E-05	3.04E-05	3.67E-04	1.51E-05	1.06E-05	4.23E-04	2.89E-05	7.32E-10	2.01E-07	2.88E-07	2.94E-05
6037	479820.73	3850976.48	6.26E-05	8.82E-10	2.00E-07	2.87E-07	6.30E-05	2.95E-05	3.64E-04	1.50E-05	1.05E-05	4.19E-04	2.81E-05	7.24E-10	2.00E-07	2.87E-07	2.85E-05
6038	479732.88	3850933.83	6.09E-05	8.75E-10	1.98E-07	2.84E-07	6.14E-05	2.87E-05	3.61E-04	1.49E-05	1.04E-05	4.15E-04	2.73E-05	7.18E-10	1.98E-07	2.84E-07	2.78E-05
6039	479645.02	3850891.18	5.94E-05	8.70E-10	1.97E-07	2.82E-07	5.99E-05	2.80E-05	3.58E-04	1.48E-05	1.03E-05	4.12E-04	2.66E-05	7.14E-10	1.97E-07	2.82E-07	2.71E-05
6040	479557.17	3850848.54	5.80E-05	8.69E-10	1.96E-07	2.79E-07	5.85E-05	2.74E-05	3.58E-04	1.47E-05	1.02E-05	4.10E-04	2.60E-05	7.13E-10	1.96E-07	2.79E-07	2.65E-05
6041	479469.32	3850805.89	5.68E-05	8.56E-10	1.96E-07	2.76E-07	5.73E-05	2.68E-05	3.53E-04	1.47E-05	1.01E-05	4.04E-04	2.55E-05	7.03E-10	1.96E-07	2.76E-07	2.60E-05
6042	479381.46	3850763.24	5.57E-05	8.59E-10	1.95E-07	2.74E-07	5.62E-05	2.63E-05	3.54E-04	1.46E-05	1.00E-05	4.05E-04	2.50E-05	7.05E-10	1.95E-07	2.74E-07	2.55E-05
6043	479293.61	3850720.59	5.48E-05	8.70E-10	1.94E-07	2.70E-07	5.52E-05	2.58E-05	3.58E-04	1.45E-05	9.91E-06	4.09E-04	2.46E-05	7.14E-10	1.94E-07	2.70E-07	2.50E-05
6044	479205.76	3850677.95	5.39E-05	8.75E-10	1.93E-07	2.68E-07	5.44E-05	2.54E-05	3.61E-04	1.45E-05	9.82E-06	4.10E-04	2.42E-05	7.18E-10	1.93E-07	2.68E-07	2.46E-05
6045	479117.9	3850635.3	5.31E-05	8.85E-10	1.92E-07	2.64E-07	5.36E-05	2.50E-05	3.64E-04	1.44E-05	9.69E-06	4.14E-04	2.38E-05	7.26E-10	1.92E-07	2.64E-07	2.43E-05
6046	479030.05	3850592.65	5.23E-05	8.87E-10	1.91E-07	2.62E-07	5.28E-05	2.47E-05	3.65E-04	1.44E-05	9.60E-06	4.14E-04	2.35E-05	7.28E-10	1.91E-07	2.62E-07	2.39E-05
6047	478942.19	3850550	5.17E-05	8.72E-10	1.91E-07	2.60E-07	5.21E-05	2.44E-05	3.59E-04	1.43E-05	9.54E-06	4.08E-04	2.32E-05	7.16E-10	1.91E-07	2.60E-07	2.36E-05
6048	478854.34	3850507.36	5.03E-05	8.32E-10	1.89E-07	2.58E-07	5.08E-05	2.37E-05	3.43E-04	1.42E-05	9.47E-06	3.90E-04	2.26E-05	6.83E-10	1.89E-07	2.58E-07	2.30E-05
6049	478766.49	3850464.71	4.95E-05	8.14E-10	1.87E-07	2.57E-07	5.00E-05	2.34E-05	3.35E-04	1.40E-05	9.41E-06	3.82E-04	2.22E-05	6.68E-10	1.87E-07	2.57E-07	2.27E-05
6050	478678.63	3850422.06	4.89E-05	8.03E-10	1.86E-07	2.55E-07	4.94E-05	2.31E-05	3.31E-04	1.40E-05	9.35E-06	3.77E-04	2.19E-05	6.59E-10	1.86E-07	2.55E-07	2.24E-05
6051	478590.78	3850379.41	4.84E-05	7.88E-10	1.85E-07	2.52E-07	4.88E-05	2.28E-05	3.24E-04	1.39E-05	9.25E-06	3.70E-04	2.17E-05	6.46E-10	1.85E-07	2.52E-07	2.21E-05
6052	478502.93	3850336.77	4.79E-05	7.78E-10	1.84E-07	2.51E-07	4.83E-05	2.26E-05	3.21E-04	1.38E-05	9.19E-06	3.66E-04	2.15E-05	6.39E-10	1.84E-07	2.51E-07	2.19E-05
6053	478415.07	3850294.12	4.75E-05	7.72E-10	1.83E-07	2.49E-07	4.80E-05	2.24E-05	3.18E-04	1.37E-05	9.12E-06	3.63E-04	2.13E-05	6.34E-10	1.83E-07	2.49E-07	2.17E-05
6054	478327.22	3850251.47	4.71E-05	7.55E-10	1.82E-07	2.46E-07	4.75E-05	2.22E-05	3.11E-04	1.37E-05	9.03E-06	3.56E-04	2.11E-05	6.20E-10	1.82E-07	2.46E-07	2.15E-05
6055	478239.36	3850208.82	4.66E-05	7.42E-10	1.81E-07	2.45E-07	4.70E-05	2.20E-05	3.06E-04	1.36E-05	8.97E-06	3.50E-04	2.09E-05	6.09E-10	1.81E-07	2.45E-07	2.13E-05
6056	478151.51	3850166.18	4.62E-05	7.29E-10	1.79E-07	2.43E-07	4.66E-05	2.18E-05	3.01E-04	1.35E-05	8.90E-06	3.45E-04	2.07E-05	5.99E-10	1.79E-07	2.43E-07	2.11E-05
6057	478063.66	3850123.53	4.58E-05	7.18E-10	1.79E-07	2.41E-07	4.62E-05	2.16E-05	2.96E-04	1.34E-05	8.84E-06	3.40E-04	2.06E-05	5.89E-10	1.79E-07	2.41E-07	2.10E-05
6058	477975.8	3850080.88	4.57E-05	7.42E-10	1.78E-07	2.39E-07	4.61E-05	2.16E-05	3.06E-04	1.33E-05	8.78E-06	3.50E-04	2.05E-05	6.09E-10	1.78E-07	2.39E-07	2.09E-05
6059	477887.95	3850038.23	4.54E-05	7.39E-10	1.77E-07	2.38E-07	4.58E-05	2.14E-05	3.05E-04	1.33E-05	8.71E-06	3.48E-04	2.04E-05	6.07E-10	1.77E-07	2.38E-07	2.08E-05
6060	477800.1	3849995.59	4.51E-05	7.39E-10	1.75E-07	2.36E-07	4.55E-05	2.13E-05	3.05E-04	1.31E-05	8.65E-06	3.48E-04	2.02E-05	6.07E-10	1.75E-07	2.36E-07	2.06E-05
6061	477712.24	3849952.94	4.47E-05	7.29E-10	1.74E-07	2.35E-07	4.51E-05	2.11E-05	3.00E-04	1.31E-05	8.62E-06	3.43E-04	2.01E-05	5.98E-10	1.74E-07	2.35E-07	2.05E-05
6062	477624.39	3849910.29	4.43E-05	7.17E-10	1.73E-07	2.33E-07	4.47E-05	2.09E-05	2.95E-04	1.30E-05	8.56E-06	3.38E-04	1.99E-05	5.89E-10	1.73E-07	2.33E-07	2.03E-05
6063	477536.54	3849867.64	4.39E-05	7.07E-10	1.73E-07	2.32E-07	4.44E-05	2.07E-05	2.91E-04	1.29E-05	8.52E-06	3.34E-04	1.97E-05	5.80E-10	1.73E-07	2.32E-07	2.01E-05
6064	477448.68	3849825	4.35E-05	6.91E-10	1.71E-07	2.31E-07	4.39E-05	2.05E-05	2.85E-04	1.28E-05	8.46E-06	3.27E-04	1.95E-05	5.67E-10	1.71E-07	2.31E-07	1.99E-05
6065	477360.83	3849782.35	4.31E-05	6.76E-10	1.70E-07	2.30E-07	4.35E-05	2.03E-05	2.78E-04	1.28E-05	8.43E-06	3.20E-04	1.93E-05	5.55E-10	1.70E-07	2.30E-07	1.97E-05
6066	477272.97	3849739.7	4.27E-05	6.58E-10	1.69E-07	2.29E-07	4.31E-05	2.01E-05	2.71E-04	1.27E-05	8.40E-06	3.12E-04	1.92E-05	5.40E-10	1.69E-07	2.29E-07	1.96E-05
6067	477185.12	3849697.05	4.23E-05	6.45E-10	1.68E-07	2.28E-07	4.27E-05	2.00E-05	2.66E-04	1.26E-05	8.37E-06	3.06E-04	1.90E-05	5.29E-10	1.68E-07	2.28E-07	1.94E-05
6068	477097.27	3849654.41	4.19E-05	6.28E-10	1.67E-07	2.26E-07	4.23E-05	1.98E-05	2.59E-04	1.25E-05	8.30E-06	2.99E-04	1.88E-05	5.15E-10	1.67E-07	2.26E-07	1.92E-05
6069	477009.41	3849611.76	4.14E-05	6.01E-10	1.66E-07	2.26E-07	4.18E-05	1.95E-05	2.48E-04	1.24E-05	8.27E-06	2.88E-04	1.86E-05	4.93E-10	1.66E-07	2.26E-07	1.90E-05
6070	476841.49	3849530.08	4.06E-05	5.67E-10	1.63E-07	2.24E-07	4.10E-05	1.92E-05	2.34E-04	1.22E-05	8.21E-06	2.73E-04	1.82E-05	4.66E-10	1.63E-07	2.24E-07	1.86E-05
6071	476761.41	3849491.05	4.03E-05	5.56E-10	1.62E-07	2.23E-07	4.07E-05	1.90E-05	2.29E-04	1.22E-05	8.18E-06	2.68E-04	1.81E-05	4.56E-10	1.62E-07	2.23E-07	1.85E-05
6072	476681.34	3849452.02	3.99E-05	5.39E-10	1.62E-07	2.22E-07	4.03E-05	1.88E-05	2.22E-04	1.21E-05	8.15E-06	2.61E-04	1.79E-05	4.42E-10	1.62E-07	2.22E-07	1.83E-05
6073	476601.26	3849412.99	3.95E-05	5.21E-10	1.61E-07	2.21E-07	3.99E-05	1.86E-05	2.15E-04	1.21E-05	8.11E-06	2.53E-04	1.77E-05	4.27E-10	1.61E-07	2.21E-07	1.81E-05
6074	476456.32	3849353.67	3.88E-05	4.81E-10	1.59E-07	2.20E-07	3.92E-05	1.83E-05	1.98E-04	1.19E-05	8.08E-06	2.36E-04	1.74E-05	3.95E-10	1.59E-07	2.20E-07	1.78E-05
6075	476305.43	3849318.83	3.86E-05	4.67E-10	1.57E-07	2.20E-07	3.90E-05	1.82E-05	1.92E-04	1.18E-05	8.05E-06	2.31E-04	1.73E-05	3.83E-10	1.57E-07	2.20E-07	1.77E-05
6076	476129.36	3849289.99	3.84E-05	4.43E-10	1.56E-07	2.20E-07	3.87E-05	1.81E-05	1.83E-04	1.17E-05	8.05E-06	2.21E-04	1.72E-05	3.64E-10	1.56E-07	2.20E-07	1.76E-05
6077	476039.31	3849275.68	3.83E-05	4.34E-10	1.55E-07	2.20E-07	3.87E-05	1.81E-05	1.79E-04	1.16E-05	8.05E-06	2.16E-04	1.72E-05	3.56E-10	1.55E-07	2.20E-07	1.75E-05
6078	475949.26	3849261.38	3.80E-05	4.15E-10	1.54E-07	2.20E-07	3.84E-05	1.79E-05	1.71E-04	1.15E-05	8.05E-06	2.09E-04	1.71E-05	3.41E-10	1.54E-07	2.20E-07	1.74E-05
6079	475859.21	3849247.08	3.79E-05	4.07E-10	1.53E-07	2.20E-07	3.83E-05	1.79E-05	1.68E-04	1.15E-05	8.05E-06	2.05E-04	1.70E-05	3.34E-10	1.53E-07	2.20E-07	1.74E-05
6080	475769.16	3849232.77	3.77E-05	3.96E-10	1.52E-07	2.20E-07	3.81E-05	1.78E-05	1.63E-04	1.14E-05	8.05E-06	2.00E-04	1.69E-05	3.25E-10	1.52E-07	2.20E-07	1.73E-05
6081	475585.22	3849219.27	3.51E-05	3.22E-10	1.51E-07	2.19E-07	3.55E-05	1.66E-05	1.33E-04	1.14E-05	8.02E-06	1.69E-04	1.57E-05	2.64E-10	1.51E-07	2.19E-07	1.61E-05
6082	475444.49	3849150.35	3.63E-05	3.55E-10	1.51E-07	2.18E-07	3.67E-05	1.71E-05	1.46E-04	1.13E-05	7.99E-06	1.83E-04	1.63E-05	2.91E-10	1.51E-07	2.18E-07	1.66E-05
6083	475334.17	3849118.71	3.63E-05	3.61E-10	1.50E-07	2.17E-07	3.67E-05	1.71E-05	1.49E-04	1.12E-05	7.96E-06	1.85E-04	1.63E-05	2.96E-10	1.50E-07	2.17E-07	1.67E-05
6084	475230.47	3849060.56	3.59E-05	3.57E-10	1.49E-07	2.16E-07	3.62E-05	1.69E-05	1.47E-04	1.12E-05	7.93E-06	1.83E-04	1.61E-05	2.93E-10	1.49E-07	2.16E-07	1.64E-05
6085	475110.86	3848960.97	3.50E-05	3.49E-10	1.47E-07	2.14E-07	3.53E-05	1.65E-05	1.44E-04	1.10E-05	7.83E-06	1.79E-04	1.57E-05	2.86E-10	1.47E-07	2.14E-07	1.60E-05
6086	475037.79	3848896.28	3.43E-05	3.39E-10	1.46E-07	2.12E-07	3.46E-05	1.62E-05	1.40E-04	1.10E-05	7.77E-06	1.75E-04	1.54E-05	2.79E-10	1.46E-07	2.12E-07	1.57E-05
6087	474964.72	3848831.59	3.36E-05	3.32E-10	1.45E-07	2.10E-07	3.40E-05	1.58E-05	1.37E-04	1.09E-05	7.70E-06	1.71E-04	1.51E-05	2.72E-10	1.45E-07	2.10E-07	1.54E-05
6088	474891.65	3848766.9	3.31E-05	3.27E-10	1.45E-07	2.08E-07	3.34E-05	1.56E-05	1.35E-04	1.08E-05	7.64E-06	1.69E-04	1.48E-05	2.69E-10	1.45E-07	2.08E-07	1.52E-05
6089	474818.58	3848702.21	3.27E-05	3.25E-10	1.44E-07	2.08E-07	3.30E-05	1.54E-05	1.34E-04	1.08E-05	7.61E-06	1.68E-04	1.46E-05	2.67E-10	1.44E-07	2.08E-07	1.50E-05
6090	474745.51	3848637.53	3.26E-05	3.30E-10	1.43E-07	2.06E-07	3.29E-05	1.54E-05	1.36E-04	1.07E-05	7.55E-06	1.70E-04	1.46E-05	2.71E-10	1.43E-07	2.06E-07	1.50E-05
6091	474672.44	3848572.84	3.22E-05	3.30E-10	1.42E-07	2.05E-07	3.25E-05	1.52E-05	1.36E-04	1.07E-05	7.51E-06	1.69E-04	1.44E-05	2.71E-10	1.42E-07	2.05E-07	1.48E-05
6092	474599.37	3848508.15	3.16E-05	3.23E-10	1.41E-07	2.03E-07	3.20E-05	1.49E-05	1.33E-04	1.06E-05	7.45E-06	1.66E-04	1.42E-05	2.65E-10	1.41E-07	2.03E-07	1.45E-05
6093	474526.3	3848443.46	3.12E-05	3.19E-10	1.40E-07	2.01E-07	3.16E-05	1.47E-05	1.31E-04	1.05E-05	7.39E-06	1.64E-04	1.40E-05	2.62E-10	1.40E-07	2.01E-07	1.43E-05

			PM10				2028 Unmitigated					2028 Mitigated					2033 Unmitigated				
			24 hr				Rates (g/s	4.04E-03	2.98E-02	6.38E-03	3.16E-03	3.68E-03	3.22E-08	8.50E-05	8.61E-05	4.68E-03	2.98E-02	6.38E-03	3.16E-03	
			Concentration [ug/m^3] at 1 g/s					Concentration [ug/m^3]				Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARI	WHS (PAF	STCK1-1(	STCK11-39		CHE (PARE	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PARE	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PARE	WHS (PAR	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	1.27972	0.17647	0.523	0.43453		5.17E-03	5.26E-03	3.34E-03	1.37E-03	1.51E-02	4.70E-03	5.69E-09	4.45E-05	3.74E-05	4.79E-03	5.98E-03	5.26E-03	3.34E-03	1.37E-03	1.60E-02
2	486023.61	3854936.51	1.19463	0.17368	0.5139	0.46196		4.83E-03	5.18E-03	3.28E-03	1.46E-03	1.47E-02	4.39E-03	5.60E-09	4.37E-05	3.98E-05	4.48E-03	5.59E-03	5.18E-03	3.28E-03	1.46E-03	1.55E-02
3	486073.61	3854936.51	1.18363	0.17122	0.4972	0.47535		4.78E-03	5.11E-03	3.17E-03	1.50E-03	1.46E-02	4.35E-03	5.52E-09	4.23E-05	4.09E-05	4.43E-03	5.54E-03	5.11E-03	3.17E-03	1.50E-03	1.53E-02
4	486123.61	3854936.51	1.08246	0.16615	0.4733	0.52683		4.38E-03	4.96E-03	3.02E-03	1.66E-03	1.40E-02	3.98E-03	5.36E-09	4.03E-05	4.54E-05	4.07E-03	5.06E-03	4.96E-03	3.02E-03	1.66E-03	1.47E-02
5	486173.61	3854936.51	1.09301	0.16766	0.4879	0.47239		4.42E-03	5.00E-03	3.11E-03	1.49E-03	1.40E-02	4.02E-03	5.40E-09	4.15E-05	4.07E-05	4.10E-03	5.11E-03	5.00E-03	3.11E-03	1.49E-03	1.47E-02
6	486223.61	3854936.51	1.05643	0.16854	0.4622	0.45381		4.27E-03	5.03E-03	2.95E-03	1.43E-03	1.37E-02	3.88E-03	5.43E-09	3.93E-05	3.91E-05	3.96E-03	4.94E-03	5.03E-03	2.95E-03	1.43E-03	1.43E-02
7	486273.61	3854936.51	1.03796	0.16913	0.4344	0.43834		4.20E-03	5.05E-03	2.77E-03	1.38E-03	1.34E-02	3.82E-03	5.45E-09	3.69E-05	3.77E-05	3.89E-03	4.85E-03	5.05E-03	2.77E-03	1.38E-03	1.41E-02
8	486323.61	3854936.51	1.02701	0.16922	0.4164	0.47556		4.15E-03	5.05E-03	2.66E-03	1.50E-03	1.34E-02	3.78E-03	5.45E-09	3.54E-05	4.10E-05	3.85E-03	4.80E-03	5.05E-03	2.66E-03	1.50E-03	1.40E-02
9	485973.61	3854986.51	1.40909	0.18646	0.5281	0.50421		5.70E-03	5.56E-03	3.37E-03	1.59E-03	1.62E-02	5.18E-03	6.01E-09	4.49E-05	4.34E-05	5.27E-03	6.59E-03	5.56E-03	3.37E-03	1.59E-03	1.71E-02
10	486023.61	3854986.51	1.37439	0.18322	0.5032	0.55024		5.56E-03	5.47E-03	3.21E-03	1.74E-03	1.60E-02	5.05E-03	5.91E-09	4.28E-05	4.74E-05	5.14E-03	6.43E-03	5.47E-03	3.21E-03	1.74E-03	1.68E-02
11	486073.61	3854986.51	1.31945	0.17787	0.5124	0.50177		5.33E-03	5.31E-03	3.27E-03	1.58E-03	1.55E-02	4.85E-03	5.73E-09	4.36E-05	4.32E-05	4.94E-03	6.17E-03	5.31E-03	3.27E-03	1.58E-03	1.63E-02
12	486123.61	3854986.51	1.27249	0.17488	0.4929	0.48276		5.14E-03	5.22E-03	3.14E-03	1.52E-03	1.50E-02	4.68E-03	5.64E-09	4.19E-05	4.16E-05	4.76E-03	5.95E-03	5.22E-03	3.14E-03	1.52E-03	1.58E-02
13	486173.61	3854986.51	1.26126	0.17423	0.4686	0.48248		5.10E-03	5.20E-03	2.99E-03	1.52E-03	1.48E-02	4.64E-03	5.62E-09	3.99E-05	4.15E-05	4.72E-03	5.90E-03	5.20E-03	2.99E-03	1.52E-03	1.56E-02
14	486223.61	3854986.51	1.20723	0.1749	0.4839	0.49517		4.88E-03	5.22E-03	3.09E-03	1.56E-03	1.47E-02	4.44E-03	5.64E-09	4.12E-05	4.26E-05	4.52E-03	5.65E-03	5.22E-03	3.09E-03	1.56E-03	1.55E-02
15	486273.61	3854986.51	1.15838	0.17435	0.4568	0.557		4.68E-03	5.20E-03	2.91E-03	1.76E-03	1.46E-02	4.26E-03	5.62E-09	3.88E-05	4.80E-05	4.35E-03	5.42E-03	5.20E-03	2.91E-03	1.76E-03	1.53E-02
16	486323.61	3854986.51	1.16645	0.1755	0.4279	0.60928		4.72E-03	5.24E-03	2.73E-03	1.92E-03	1.46E-02	4.29E-03	5.66E-09	3.64E-05	5.25E-05	4.38E-03	5.46E-03	5.24E-03	2.73E-03	1.92E-03	1.53E-02
17	485973.61	3855036.51	1.64276	0.19312	0.5294	0.53003		6.64E-03	5.76E-03	3.38E-03	1.67E-03	1.75E-02	6.04E-03	6.22E-09	4.50E-05	4.56E-05	6.13E-03	7.68E-03	5.76E-03	3.38E-03	1.67E-03	1.85E-02
18	486023.61	3855036.51	1.52191	0.19155	0.5311	0.51172		6.15E-03	5.71E-03	3.39E-03	1.62E-03	1.69E-02	5.60E-03	6.17E-09	4.52E-05	4.41E-05	5.68E-03	7.12E-03	5.71E-03	3.39E-03	1.62E-03	1.78E-02
19	486073.61	3855036.51	1.46494	0.18708	0.5246	0.51527		5.92E-03	5.58E-03	3.35E-03	1.63E-03	1.65E-02	5.39E-03	6.03E-09	4.46E-05	4.44E-05	5.47E-03	6.85E-03	5.58E-03	3.35E-03	1.63E-03	1.74E-02
20	486123.61	3855036.51	1.41522	0.18267	0.51	0.51684		5.72E-03	5.45E-03	3.25E-03	1.63E-03	1.61E-02	5.20E-03	5.89E-09	4.34E-05	4.45E-05	5.29E-03	6.62E-03	5.45E-03	3.25E-03	1.63E-03	1.70E-02
21	486173.61	3855036.51	1.39791	0.18196	0.4878	0.57661		5.65E-03	5.43E-03	3.11E-03	1.82E-03	1.60E-02	5.14E-03	5.86E-09	4.15E-05	4.97E-05	5.23E-03	6.54E-03	5.43E-03	3.11E-03	1.82E-03	1.69E-02
22	486223.61	3855036.51	1.349	0.18058	0.5009	0.63331		5.45E-03	5.39E-03	3.19E-03	2.00E-03	1.60E-02	4.96E-03	5.82E-09	4.26E-05	5.45E-05	5.06E-03	6.31E-03	5.39E-03	3.19E-03	2.00E-03	1.69E-02
23	486273.61	3855036.51	1.33866	0.18129	0.4793	0.62294		5.41E-03	5.41E-03	3.06E-03	1.97E-03	1.58E-02	4.92E-03	5.84E-09	4.08E-05	5.36E-05	5.02E-03	6.26E-03	5.41E-03	3.06E-03	1.97E-03	1.67E-02
24	486323.61	3855036.51	1.30623	0.17796	0.4509	0.57419		5.28E-03	5.31E-03	2.88E-03	1.81E-03	1.53E-02	4.80E-03	5.74E-09	3.83E-05	4.94E-05	4.89E-03	6.11E-03	5.31E-03	2.88E-03	1.81E-03	1.61E-02
25	485973.61	3855086.51	1.91748	0.201	0.5266	0.52121		7.75E-03	6.00E-03	3.36E-03	1.65E-03	1.88E-02	7.05E-03	6.48E-09	4.48E-05	4.49E-05	7.14E-03	8.97E-03	6.00E-03	3.36E-03	1.65E-03	2.00E-02
26	486023.61	3855086.51	1.75239	0.19871	0.5341	0.52375		7.08E-03	5.93E-03	3.41E-03	1.65E-03	1.81E-02	6.44E-03	6.40E-09	4.54E-05	4.51E-05	6.53E-03	8.20E-03	5.93E-03	3.41E-03	1.65E-03	1.92E-02
27	486073.61	3855086.51	1.64137	0.19472	0.5333	0.59316		6.63E-03	5.81E-03	3.40E-03	1.87E-03	1.77E-02	6.03E-03	6.28E-09	4.54E-05	5.11E-05	6.13E-03	7.68E-03	5.81E-03	3.40E-03	1.87E-03	1.88E-02
28	486123.61	3855086.51	1.58123	0.19324	0.5241	0.6495		6.39E-03	5.76E-03	3.34E-03	2.05E-03	1.76E-02	5.81E-03	6.23E-09	4.46E-05	5.59E-05	5.91E-03	7.39E-03	5.77E-03	3.34E-03	2.05E-03	1.86E-02
29	486173.61	3855086.51	1.50696	0.18949	0.5066	0.64563		6.09E-03	5.65E-03	3.23E-03	2.04E-03	1.70E-02	5.54E-03	6.11E-09	4.31E-05	5.56E-05	5.64E-03	7.05E-03	5.65E-03	3.23E-03	2.04E-03	1.80E-02
30	486223.61	3855086.51	1.47185	0.18738	0.4814	0.59387		5.95E-03	5.59E-03	3.07E-03	1.88E-03	1.65E-02	5.41E-03	6.04E-09	4.09E-05	5.11E-05	5.50E-03	6.88E-03	5.59E-03	3.07E-03	1.88E-03	1.74E-02
31	485973.61	3855136.51	2.25333	0.21249	0.5348	0.60071		9.11E-03	6.34E-03	3.41E-03	1.90E-03	2.08E-02	8.28E-03	6.85E-09	4.55E-05	5.17E-05	8.38E-03	1.05E-02	6.34E-03	3.41E-03	1.90E-03	2.22E-02
32	486023.61	3855136.51	2.0522	0.20974	0.533	0.66027		8.30E-03	6.26E-03	3.40E-03	2.08E-03	2.00E-02	7.54E-03	6.76E-09	4.53E-05	5.69E-05	7.65E-03	9.60E-03	6.26E-03	3.40E-03	2.08E-03	2.13E-02
33	486073.61	3855136.51	1.93145	0.20682	0.5382	0.66144		7.81E-03	6.17E-03	3.43E-03	2.09E-03	1.95E-02	7.10E-03	6.67E-09	4.58E-05	5.70E-05	7.20E-03	9.03E-03	6.17E-03	3.43E-03	2.09E-03	2.07E-02
34	486123.61	3855136.51	1.8429	0.20457	0.5348	0.60771		7.45E-03	6.10E-03	3.41E-03	1.92E-03	1.89E-02	6.78E-03	6.59E-09	4.55E-05	5.23E-05	6.87E-03	8.62E-03	6.10E-03	3.41E-03	1.92E-03	2.01E-02
35	486173.61	3855136.51	1.75756	0.20039	0.5226	0.56336		7.10E-03	5.98E-03	3.33E-03	1.78E-03	1.82E-02	6.46E-03	6.46E-09	4.44E-05	4.85E-05	6.55E-03	8.22E-03	5.98E-03	3.33E-03	1.78E-03	1.93E-02
36	486223.61	3855136.51	1.6932	0.19527	0.5021	0.52919		6.84E-03	5.83E-03	3.20E-03	1.67E-03	1.75E-02	6.23E-03	6.29E-09	4.27E-05	4.56E-05	6.31E-03	7.92E-03	5.83E-03	3.20E-03	1.67E-03	1.86E-02
37	485973.61	3855186.51	2.56975	0.22726	0.5089	0.66959		1.04E-02	6.78E-03	3.25E-03	2.11E-03	2.25E-02	9.45E-03	7.32E-09	4.33E-05	5.77E-05	9.55E-03	1.20E-02	6.78E-03	3.25E-03	2.11E-03	2.42E-02
38	486023.61	3855186.51	2.39452	0.22402	0.5423	0.61512		9.68E-03	6.68E-03	3.46E-03	1.94E-03	2.18E-02	8.80E-03	7.22E-09	4.61E-05	5.30E-05	8.90E-03	1.12E-02	6.68E-03	3.46E-03	1.94E-03	2.33E-02
39	486073.61	3855186.51	2.22417	0.22	0.5388	0.57045		8.99E-03	6.56E-03	3.44E-03	1.80E-03	2.08E-02	8.18E-03	7.09E-09	4.58E-05	4.91E-05	8.27E-03	1.04E-02	6.56E-03	3.44E-03	1.80E-03	2.22E-02
40	486123.61	3855186.51	2.07244	0.21625	0.5415	0.53469		8.38E-03	6.45E-03	3.45E-03	1.69E-03	2.00E-02	7.62E-03	6.97E-09	4.60E-05	4.60E-05	7.71E-03	9.69E-03	6.45E-03	3.45E-03	1.69E-03	2.13E-02
41	486173.61	3855186.51	1.98062	0.21085	0.5352	0.54442		8.01E-03	6.29E-03	3.41E-03	1.72E-03	1.94E-02	7.28E-03	6.80E-09	4.55E-05	4.69E-05	7.37E-03	9.26E-03	6.29E-03	3.41E-03	1.72E-03	2.07E-02
42	486223.61	3855186.51	1.90968	0.20537	0.52	0.56959		7.72E-03	6.13E-03	3.32E-03	1.80E-03	1.90E-02	7.02E-03	6.62E-09	4.42E-05	4.90E-05	7.11E-03	8.93E-03	6.13E-03	3.32E-03	1.80E-03	2.02E-02
43	486273.61	3855186.51	1.8239	0.19936	0.4964	0.58454		7.37E-03	5.95E-03	3.17E-03	1.85E-03	1.83E-02	6.71E-03	6.43E-09	4.22E-05	5.03E-05	6.80E-03	8.53E-03	5.95E-03	3.17E-03	1.85E-03	1.95E-02
44	486323.61	3855186.51	1.85142	0.20077	0.5202	0.58502		7.48E-03	5.99E-03	3.32E-03	1.85E-03	1.86E-02	6.81E-03	6.47E-09	4.42E-05	5.04E-05	6.90E-03	8.66E-03	5.99E-03	3.32E-03	1.85E-03	1.98E-02
45	485973.61	3855236.51	2.95015	0.24298	0.504	0.57126		1.19E-02	7.25E-03	3.21E-03	1.80E-03	2.42E-02	1.08E-02	7.83E-09	4.29E-05	4.92E-05	1.09E-02	1.38E-02	7.25E-03	3.21E-03	1.80E-03	2.61E-02
46	486023.61	3855236.51	2.75224	0.23769	0.5357	0.53511		1.11E-02	7.09E-03	3.42E-03	1.69E-03	2.33E-02	1.01E-02	7.66E-09	4.56E-05	4.61E-05	1.02E-02	1.29E-02	7.09E-03	3.42E-03	1.69E-03	2.51E-02
47	486073.61	3855236.51	2.55737	0.23311	0.5362	0.57068		1.03E-02	6.95E-03	3.42E-03	1.80E-03	2.25E-02	9.40E-03	7.51E-09	4.56E-05	4.91E-05	9.50E-03	1.20E-02	6.95E-03	3.42E-03	1.80E-03	2.41E-02
48	486123.61	3855236.51	2.36734	0.2289	0.544	0.59673		9.57E-03	6.83E-03	3.47E-03	1.88E-03	2.18E-02	8.70E-03	7.38E-09	4.63E-05	5.14E-05	8.80E-03	1.11E-02	6.83E-03	3.47E-03	1.88E-03	2.33E-02
49	486173.61	3855236.51	2.25187	0.22261	0.544	0.61062		9.10E-03	6.64E-03	3.47E-03	1.93E-03	2.11E-02	8.28E-03	7.17E-09	4.63E-05	5.26E-05	8.38E-03	1.05E-02	6.64E-03	3.47E-03	1.93E-03	2.26E-02
50	486223.61	3855236.51	2.13941	0.2159	0.5347	0.61763		8.65E-03	6.44E-03	3.41E-03	1.95E-03	2.04E-02	7.87E-03	6.96E-09	4.55E-05	5.32E-05	7.96E-03	1.00E-02	6.44E-03	3.41E-03	1.95E-03	2.18E-02
51	486273.61	3855236.51	1.96021	0.20608	0.5162	0.66831		7.92E-03	6.15E-03	3.29E-03	2.11E-03	1.95E-02	7.21E-03	6.64E-09	4.39E-05	5.75E-05	7.31E-03	9.17E-03	6.15E-03	3.29E-03	2.11E-03	2.07E-02
52	486323.61	3855236.51	2.04919	0.21111	0.5132	0.67489		8.28E-03	6.30E-03	3.27E-03	2.13E-03	2.00E-02	7.53E-03	6.80E-09	4.36E-05	5.81E-05	7.64E-03	9.58E-03	6.30E-03	3.27E-03	2.13E-03	2.13E-02
53	485973.61	3855286.51	3.45758	0.25836	0.4877	0.5876		1.40E-02	7.71E-03	3.11E-03	1.86E-03	2.66E-02	1.27E-02	8.33E-09	4.15E-05	5.06E-05	1.28E-02	1.62E-02	7.71E-03	3.11E-03	1.86E-03	2.88E-02
54	486023.61	3855286.51	3.15439	0.25241	0.5113	0.61641		1.28E-02	7.53E-03	3.26E-03	1.95E-03	2.55E-02	1.16E-02	8.14E-09	4.35E-05	5.31E-05	1.17E-02	1.48E-02	7.53E-03	3.26E-03	1.95E-03	2.75E-02
55	486073.61	3855286.51	2.91687	0.24824	0.5523	0.63066		1.18E-02	7.41E-03	3.52E-03	1.99E-03	2.47E-02	1.07E-02	8.00E-09	4.70E-05	5.43E-05	1.08E-02	1.36E-02	7.41E-03	3.52E-03	1.99E-03	2.66E-02
56	486123.61	3855286.51	2.68571	0.2403	0.5419	0.67055		1.09E-02	7.17E-03	3.46E-03	2.12E-03	2.36E-02	9.87E-03	7.75E-09	4.61E-05	5.77E-05	9.98E-03	1.26E-02	7.17E-03	3.46E-03	2.12E-03	2.53E-02
57	486173.61	3855286.51	2.51324	0.23216	0.5484	0.70718		1.02E-02	6.93E-03	3.50E-03	2.23E-03	2.28E-02	9.24E-03	7.48E-09	4.66E-05	6.09E-05	9.35E-03	1.18E-02	6.93E-03	3.50E-03	2.23E-03	2.44E-02

58	486223.61	3855286.51	2.41087	0.22652	0.568	0.71443	9.75E-03	6.76E-03	3.62E-03	2.26E-03	2.24E-02	8.86E-03	7.30E-09	4.83E-05	6.15E-05	8.97E-03	1.13E-02	6.76E-03	3.62E-03	2.26E-03	2.39E-02
59	486123.61	3855336.51	3.04757	0.25139	0.5644	0.74977	1.23E-02	7.50E-03	3.60E-03	2.37E-03	2.58E-02	1.12E-02	8.10E-09	4.80E-05	6.46E-05	1.13E-02	1.43E-02	7.50E-03	3.60E-03	2.37E-03	2.77E-02
60	486173.61	3855336.51	2.88592	0.24435	0.5483	0.71153	1.17E-02	7.29E-03	3.50E-03	2.25E-03	2.47E-02	1.06E-02	7.88E-09	4.66E-05	6.13E-05	1.07E-02	1.35E-02	7.29E-03	3.50E-03	2.25E-03	2.65E-02
61	486223.61	3855336.51	2.72115	0.23683	0.5521	0.66476	1.10E-02	7.07E-03	3.52E-03	2.10E-03	2.37E-02	1.00E-02	7.63E-09	4.70E-05	5.72E-05	1.01E-02	1.27E-02	7.07E-03	3.52E-03	2.10E-03	2.54E-02
62	486123.61	3855386.51	3.4121	0.26295	0.5238	0.70714	1.38E-02	7.84E-03	3.34E-03	2.23E-03	2.72E-02	1.25E-02	8.48E-09	4.45E-05	6.09E-05	1.27E-02	1.60E-02	7.84E-03	3.34E-03	2.23E-03	2.94E-02
63	486173.61	3855386.51	3.22876	0.25533	0.5594	0.68089	1.31E-02	7.62E-03	3.57E-03	2.15E-03	2.64E-02	1.19E-02	8.23E-09	4.76E-05	5.86E-05	1.20E-02	1.51E-02	7.62E-03	3.57E-03	2.15E-03	2.84E-02
64	486223.61	3855386.51	3.0718	0.24851	0.5541	0.64024	1.24E-02	7.41E-03	3.53E-03	2.02E-03	2.54E-02	1.13E-02	8.01E-09	4.71E-05	5.51E-05	1.14E-02	1.44E-02	7.41E-03	3.53E-03	2.02E-03	2.73E-02
65	486533.18	3855443.15	2.67647	0.25771	0.523	0.53938	1.08E-02	7.69E-03	3.34E-03	1.70E-03	2.35E-02	9.84E-03	8.31E-09	4.45E-05	4.64E-05	9.93E-03	1.25E-02	7.69E-03	3.34E-03	1.70E-03	2.52E-02
66	486583.18	3855443.15	2.55099	0.25414	0.4888	0.544	1.03E-02	7.58E-03	3.12E-03	1.72E-03	2.27E-02	9.38E-03	8.19E-09	4.16E-05	4.68E-05	9.47E-03	1.19E-02	7.58E-03	3.12E-03	1.72E-03	2.43E-02
67	486633.18	3855443.15	2.42689	0.25075	0.4919	0.55204	9.81E-03	7.48E-03	3.14E-03	1.74E-03	2.22E-02	8.92E-03	8.08E-09	4.18E-05	4.75E-05	9.01E-03	1.13E-02	7.48E-03	3.14E-03	1.74E-03	2.37E-02
68	486683.18	3855443.15	2.34817	0.24887	0.5369	0.54884	9.49E-03	7.42E-03	3.42E-03	1.73E-03	2.21E-02	8.63E-03	8.02E-09	4.57E-05	4.73E-05	8.73E-03	1.10E-02	7.42E-03	3.42E-03	1.73E-03	2.36E-02
69	486533.18	3855493.15	2.90886	0.2655	0.5495	0.56224	1.18E-02	7.92E-03	3.50E-03	1.78E-03	2.50E-02	1.07E-02	8.56E-09	4.67E-05	4.84E-05	1.08E-02	1.36E-02	7.92E-03	3.50E-03	1.78E-03	2.68E-02
70	486583.18	3855493.15	2.78751	0.26219	0.5165	0.58322	1.13E-02	7.82E-03	3.29E-03	1.84E-03	2.42E-02	1.02E-02	8.45E-09	4.39E-05	5.02E-05	1.03E-02	1.30E-02	7.82E-03	3.29E-03	1.84E-03	2.60E-02
71	486633.18	3855493.15	2.65758	0.25868	0.4804	0.59433	1.07E-02	7.72E-03	3.06E-03	1.88E-03	2.34E-02	9.77E-03	8.34E-09	4.09E-05	5.12E-05	9.86E-03	1.24E-02	7.72E-03	3.06E-03	1.88E-03	2.51E-02
72	486683.18	3855493.15	2.55241	0.25543	0.5183	0.6019	1.03E-02	7.62E-03	3.31E-03	1.90E-03	2.31E-02	9.38E-03	8.23E-09	4.41E-05	5.18E-05	9.48E-03	1.19E-02	7.62E-03	3.31E-03	1.90E-03	2.48E-02
73	486533.18	3855543.15	3.15276	0.27371	0.5755	0.61334	1.27E-02	8.17E-03	3.67E-03	1.94E-03	2.65E-02	1.16E-02	8.82E-09	4.89E-05	5.28E-05	1.17E-02	1.47E-02	8.17E-03	3.67E-03	1.94E-03	2.85E-02
74	486583.18	3855543.15	2.96729	0.26823	0.5441	0.60459	1.20E-02	8.00E-03	3.47E-03	1.91E-03	2.54E-02	1.09E-02	8.65E-09	4.63E-05	5.21E-05	1.10E-02	1.39E-02	8.00E-03	3.47E-03	1.91E-03	2.73E-02
75	486633.18	3855543.15	2.84587	0.26509	0.5091	0.59213	1.15E-02	7.91E-03	3.25E-03	1.87E-03	2.45E-02	1.05E-02	8.54E-09	4.33E-05	5.10E-05	1.06E-02	1.33E-02	7.91E-03	3.25E-03	1.87E-03	2.63E-02
76	486683.18	3855543.15	2.6691	0.26002	0.4983	0.58421	1.08E-02	7.76E-03	3.18E-03	1.84E-03	2.36E-02	9.81E-03	8.38E-09	4.24E-05	5.03E-05	9.91E-03	1.25E-02	7.76E-03	3.18E-03	1.84E-03	2.53E-02
77	486533.18	3855593.15	3.35943	0.28042	0.5763	0.58738	1.36E-02	8.37E-03	3.68E-03	1.85E-03	2.75E-02	1.24E-02	9.04E-09	4.90E-05	5.06E-05	1.25E-02	1.57E-02	8.37E-03	3.68E-03	1.85E-03	2.96E-02
78	486583.18	3855593.15	3.19773	0.27538	0.5714	0.60107	1.29E-02	8.22E-03	3.64E-03	1.90E-03	2.67E-02	1.18E-02	8.88E-09	4.86E-05	5.18E-05	1.19E-02	1.50E-02	8.22E-03	3.64E-03	1.90E-03	2.87E-02
79	486633.18	3855593.15	3.06103	0.27134	0.5378	0.63073	1.24E-02	8.09E-03	3.43E-03	1.99E-03	2.59E-02	1.13E-02	8.75E-09	4.57E-05	5.43E-05	1.14E-02	1.43E-02	8.09E-03	3.43E-03	1.99E-03	2.78E-02
80	486683.18	3855593.15	2.95411	0.26866	0.5007	0.61293	1.19E-02	8.02E-03	3.19E-03	1.94E-03	2.51E-02	1.09E-02	8.66E-09	4.26E-05	5.28E-05	1.10E-02	1.38E-02	8.02E-03	3.19E-03	1.94E-03	2.70E-02
81	486533.18	3855643.15	3.73069	0.28748	0.5518	0.62346	1.51E-02	8.58E-03	3.52E-03	1.97E-03	2.91E-02	1.37E-02	9.27E-09	4.69E-05	5.37E-05	1.38E-02	1.74E-02	8.58E-03	3.52E-03	1.97E-03	3.15E-02
82	486583.18	3855643.15	3.48098	0.28276	0.598	0.60679	1.41E-02	8.44E-03	3.81E-03	1.92E-03	2.82E-02	1.28E-02	9.11E-09	5.09E-05	5.23E-05	1.29E-02	1.63E-02	8.44E-03	3.81E-03	1.92E-03	3.04E-02
83	486633.18	3855643.15	3.33212	0.27851	0.5664	0.59712	1.35E-02	8.31E-03	3.61E-03	1.89E-03	2.73E-02	1.23E-02	8.98E-09	4.82E-05	5.14E-05	1.24E-02	1.56E-02	8.31E-03	3.61E-03	1.89E-03	2.94E-02
84	486683.18	3855643.15	3.20341	0.2753	0.5305	0.56783	1.29E-02	8.21E-03	3.38E-03	1.79E-03	2.63E-02	1.18E-02	8.87E-09	4.51E-05	4.89E-05	1.19E-02	1.50E-02	8.21E-03	3.38E-03	1.79E-03	2.84E-02
85	486533.18	3855693.15	4.18902	0.29841	0.5699	0.60311	1.69E-02	8.90E-03	3.63E-03	1.90E-03	3.14E-02	1.54E-02	9.62E-09	4.85E-05	5.19E-05	1.55E-02	1.96E-02	8.90E-03	3.63E-03	1.90E-03	3.40E-02
86	486583.18	3855693.15	3.84181	0.29101	0.5796	0.57643	1.55E-02	8.68E-03	3.70E-03	1.82E-03	2.97E-02	1.41E-02	9.38E-09	4.93E-05	4.96E-05	1.42E-02	1.80E-02	8.68E-03	3.70E-03	1.82E-03	3.22E-02
87	486633.18	3855693.15	3.49114	0.28361	0.5944	0.54727	1.41E-02	8.46E-03	3.79E-03	1.73E-03	2.81E-02	1.28E-02	9.14E-09	5.05E-05	4.71E-05	1.29E-02	1.63E-02	8.46E-03	3.79E-03	1.73E-03	3.03E-02
88	486683.18	3855693.15	3.4233	0.2825	0.5603	0.55394	1.38E-02	8.43E-03	3.57E-03	1.75E-03	2.76E-02	1.26E-02	9.11E-09	4.77E-05	4.77E-05	1.27E-02	1.60E-02	8.43E-03	3.57E-03	1.75E-03	2.98E-02
89	486733.18	3855693.15	3.4061	0.28415	0.5221	0.55526	1.38E-02	8.48E-03	3.33E-03	1.75E-03	2.73E-02	1.25E-02	9.16E-09	4.44E-05	4.78E-05	1.26E-02	1.59E-02	8.48E-03	3.33E-03	1.75E-03	2.95E-02
90	486783.18	3855693.15	3.41147	0.28708	0.5333	0.55187	1.38E-02	8.56E-03	3.40E-03	1.74E-03	2.75E-02	1.25E-02	9.25E-09	4.54E-05	4.75E-05	1.26E-02	1.60E-02	8.56E-03	3.40E-03	1.74E-03	2.97E-02
91	486533.18	3855743.15	4.42192	0.30753	0.6072	0.57819	1.79E-02	9.17E-03	3.87E-03	1.83E-03	3.27E-02	1.63E-02	9.91E-09	5.16E-05	4.98E-05	1.64E-02	2.07E-02	9.17E-03	3.87E-03	1.83E-03	3.56E-02
92	486583.18	3855743.15	4.10288	0.29717	0.5679	0.58655	1.66E-02	8.87E-03	3.62E-03	1.85E-03	3.09E-02	1.51E-02	9.58E-09	4.83E-05	5.05E-05	1.52E-02	1.92E-02	8.87E-03	3.62E-03	1.85E-03	3.35E-02
93	486633.18	3855743.15	3.88895	0.29164	0.6215	0.60112	1.57E-02	8.70E-03	3.96E-03	1.90E-03	3.03E-02	1.43E-02	9.40E-09	5.29E-05	5.18E-05	1.44E-02	1.82E-02	8.70E-03	3.96E-03	1.90E-03	3.27E-02
94	486683.18	3855743.15	3.75538	0.29251	0.5897	0.57455	1.52E-02	8.73E-03	3.76E-03	1.81E-03	2.95E-02	1.38E-02	9.43E-09	5.02E-05	4.95E-05	1.39E-02	1.76E-02	8.73E-03	3.76E-03	1.81E-03	3.19E-02
95	486733.18	3855743.15	3.58763	0.29185	0.5531	0.56674	1.45E-02	8.71E-03	3.53E-03	1.79E-03	2.85E-02	1.32E-02	9.41E-09	4.70E-05	4.88E-05	1.33E-02	1.68E-02	8.71E-03	3.53E-03	1.79E-03	3.08E-02
96	486783.18	3855743.15	3.63024	0.29632	0.5126	0.55379	1.47E-02	8.84E-03	3.27E-03	1.75E-03	2.85E-02	1.33E-02	9.55E-09	4.36E-05	4.77E-05	1.34E-02	1.70E-02	8.84E-03	3.27E-03	1.75E-03	3.08E-02
97	486533.18	3855793.15	4.7363	0.32427	0.6633	0.5917	1.91E-02	9.67E-03	4.23E-03	1.87E-03	3.49E-02	1.74E-02	1.05E-08	5.64E-05	5.10E-05	1.75E-02	2.21E-02	9.67E-03	4.23E-03	1.87E-03	3.79E-02
98	486583.18	3855793.15	4.23172	0.30866	0.5838	0.58781	1.71E-02	9.21E-03	3.72E-03	1.86E-03	3.19E-02	1.56E-02	9.95E-09	4.96E-05	5.06E-05	1.57E-02	1.98E-02	9.21E-03	3.72E-03	1.86E-03	3.46E-02
99	486633.18	3855793.15	4.1906	0.30858	0.5818	0.58464	1.69E-02	9.21E-03	3.71E-03	1.85E-03	3.17E-02	1.54E-02	9.95E-09	4.95E-05	5.03E-05	1.55E-02	1.96E-02	9.21E-03	3.71E-03	1.85E-03	3.44E-02
100	486683.18	3855793.15	4.16501	0.30732	0.6184	0.57887	1.68E-02	9.17E-03	3.94E-03	1.83E-03	3.18E-02	1.53E-02	9.91E-09	5.26E-05	4.98E-05	1.54E-02	1.95E-02	9.17E-03	3.94E-03	1.83E-03	3.44E-02
101	486733.18	3855793.15	4.10325	0.30469	0.584	0.55632	1.66E-02	9.09E-03	3.73E-03	1.76E-03	3.12E-02	1.51E-02	9.82E-09	4.97E-05	4.79E-05	1.52E-02	1.92E-02	9.09E-03	3.73E-03	1.76E-03	3.38E-02
102	486783.18	3855793.15	4.02162	0.30565	0.5448	0.54421	1.63E-02	9.12E-03	3.48E-03	1.72E-03	3.06E-02	1.48E-02	9.85E-09	4.63E-05	4.69E-05	1.49E-02	1.88E-02	9.12E-03	3.48E-03	1.72E-03	3.31E-02
103	486533.18	3855843.15	5.0954	0.33873	0.6431	0.60644	2.06E-02	1.01E-02	4.10E-03	1.91E-03	3.67E-02	1.87E-02	1.09E-08	5.47E-05	5.22E-05	1.88E-02	2.38E-02	1.01E-02	4.10E-03	1.91E-03	4.00E-02
104	486583.18	3855843.15	4.64527	0.32324	0.6773	0.60829	1.88E-02	9.64E-03	4.32E-03	1.92E-03	3.47E-02	1.71E-02	1.04E-08	5.76E-05	5.24E-05	1.72E-02	2.17E-02	9.64E-03	4.32E-03	1.92E-03	3.76E-02
105	486633.18	3855843.15	4.55018	0.32149	0.5841	0.60653	1.84E-02	9.59E-03	3.73E-03	1.92E-03	3.36E-02	1.67E-02	1.04E-08	4.97E-05	5.22E-05	1.68E-02	2.13E-02	9.59E-03	3.73E-03	1.92E-03	3.65E-02
106	486683.18	3855843.15	4.45891	0.32138	0.6315	0.60341	1.80E-02	9.59E-03	4.03E-03	1.91E-03	3.35E-02	1.64E-02	1.04E-08	5.37E-05	5.20E-05	1.65E-02	2.09E-02	9.59E-03	4.03E-03	1.91E-03	3.64E-02
107	486733.18	3855843.15	4.36569	0.32849	0.6143	0.59949	1.76E-02	9.80E-03	3.92E-03	1.89E-03	3.33E-02	1.61E-02	1.06E-08	5.22E-05	5.16E-05	1.62E-02	2.04E-02	9.80E-03	3.92E-03	1.89E-03	3.60E-02
108	486783.18	3855843.15	4.30647	0.3279	0.5771	0.5958	1.74E-02	9.78E-03	3.68E-03	1.88E-03	3.28E-02	1.58E-02	1.06E-08	4.91E-05	5.13E-05	1.59E-02	2.01E-02	9.78E-03	3.68E-03	1.88E-03	3.55E-02
109	486533.18	3855893.15	5.23144	0.35071	0.6247	0.65696	2.11E-02	1.05E-02	3.98E-03	2.07E-03	3.77E-02	1.92E-02	1.13E-08	5.31E-05	5.66E-05	1.93E-02	2.45E-02	1.05E-02	3.98E-03	2.07E-03	4.10E-02
110	486583.18	3855893.15	5.14397	0.34971	0.6736	0.63531	2.08E-02	1.04E-02	4.30E-03	2.01E-03	3.75E-02	1.89E-02	1.13E-08	5.73E-05	5.47E-05	1.90E-02	2.41E-02	1.04E-02	4.30E-03	2.01E-03	4.08E-02
111	486633.18	3855893.15	5.00396	0.34828	0.6579	0.61696	2.02E-02	1.04E-02	4.20E-03	1.95E-03	3.68E-02	1.84E-02	1.12E-08	5.59E-05	5.31E-05	1.85E-02	2.34E-02	1.04E-02	4.20E-03	1.95E-03	3.99E-02
112	486683.18	3855893.15	4.90553	0.34828	0.5841	0.59973	1.98E-02	1.04E-02	3.73E-03	1.89E-03	3.58E-02	1.80E-02	1.12E-08	4.97E-05	5.16E-05	1.81E-02	2.29E-02	1.04E-02	3.73E-03	1.89E-03	3.90E-02
113	486733.18	3855893.15	4.80404	0.34829	0.6436	0.58505	1.94E-02	1.04E-02	4.11E-03	1.85E-03	3.58E-02	1.77E-02	1.12E-08	5.47E-05	5.04E-05	1.78E-02	2.25E-02	1.04E-02	4.11E-03	1.85E-03	3.88E-02
114	486783.18	3855893.15	4.7293	0.34944	0.609	0.57154	1.91E-02	1.04E-02	3.88E-03	1.80E-03	3.52E-02	1.74E-02	1.13E-08	5.18E-05	4.92E-05	1.75E-02	2.21E-02	1.04E-02	3.88E-03	1.80E-03	3.82E-02
115	486533.18	3855943.15	5.53346	0.36555	0.5704	0.65128	2.24E-02	1.09E-02	3.64E-03	2.06E-03	3.90E-02	2.03E-02	1.18E-08	4.85E-05	5.61E-05	2.04E-02	2.59E-02	1.09E-02	3.64E-03	2.06E-03	4.25E-02
116	486583.18	3855943.15	5.62108	0.369	0.6462	0.648	2.27E-02	1.10E-02	4.12E-03	2.05E-03	3.99E-02	2.07E-02	1.19E-08	5.50E-05	5.58E-05	2.08E-02	2.63E-02	1.10E-02	4.12E-03	2.05E-03	4.35E-02
117	486633.18	3855943.15	5.43447	0.3677	0.6883	0.64964	2.20E-02	1.10E-02	4.39E-03	2.05E-03	3.94E-02	2.00E-02	1.19E-08	5.85E-05	5.59E-05	2.01E-02	2.54E-02	1.10E-02	4.39E-03	2.05E-03	4.28E-02
118	486683.18	3855943.15	5.38523	0.37038	0.6001	0.63305	2.18E-02	1.10E-02	3.83E-03	2.00E-03	3.86E-02	1.98E-02	1.19E-08	5.10E-05	5.45E-05	1.99E-02	2.52E-02	1.10E-02	3.83E-03	2.00E-03	4.21E-02

119	486733.18	3855943.15	5.24032	0.36896	0.6351	0.61721	2.12E-02	1.10E-02	4.05E-03	1.95E-03	3.82E-02	1.93E-02	1.19E-08	5.40E-05	5.31E-05	1.94E-02	2.45E-02	1.10E-02	4.05E-03	1.95E-03	4.15E-02
120	486783.18	3855943.15	5.179	0.37068	0.6401	0.59828	2.09E-02	1.11E-02	4.08E-03	1.89E-03	3.80E-02	1.90E-02	1.19E-08	5.44E-05	5.15E-05	1.91E-02	2.42E-02	1.11E-02	4.08E-03	1.89E-03	4.13E-02
121	486533.18	3855993.15	5.95188	0.38614	0.5943	0.6354	2.41E-02	1.15E-02	3.79E-03	2.01E-03	4.14E-02	2.19E-02	1.24E-08	5.05E-05	5.47E-05	2.20E-02	2.78E-02	1.15E-02	3.79E-03	2.01E-03	4.52E-02
122	486583.18	3855993.15	5.91653	0.38527	0.6222	0.61475	2.39E-02	1.15E-02	3.97E-03	1.94E-03	4.13E-02	2.18E-02	1.24E-08	5.29E-05	5.29E-05	2.19E-02	2.77E-02	1.15E-02	3.97E-03	1.94E-03	4.51E-02
123	486633.18	3855993.15	5.84903	0.38343	0.6833	0.5955	2.36E-02	1.14E-02	4.36E-03	1.88E-03	4.13E-02	2.15E-02	1.24E-08	5.81E-05	5.13E-05	2.16E-02	2.74E-02	1.14E-02	4.36E-03	1.88E-03	4.50E-02
124	486683.18	3855993.15	5.78716	0.38257	0.7031	0.57494	2.34E-02	1.14E-02	4.48E-03	1.82E-03	4.11E-02	2.13E-02	1.23E-08	5.98E-05	4.95E-05	2.14E-02	2.71E-02	1.14E-02	4.48E-03	1.82E-03	4.48E-02
125	486733.18	3855993.15	5.68436	0.38236	0.601	0.55713	2.30E-02	1.14E-02	3.83E-03	1.76E-03	4.00E-02	2.09E-02	1.23E-08	5.11E-05	4.80E-05	2.10E-02	2.66E-02	1.14E-02	3.83E-03	1.76E-03	4.36E-02
126	486783.18	3855993.15	5.58573	0.38234	0.6699	0.54865	2.26E-02	1.14E-02	4.27E-03	1.73E-03	4.00E-02	2.05E-02	1.23E-08	5.70E-05	4.72E-05	2.06E-02	2.61E-02	1.14E-02	4.27E-03	1.73E-03	4.35E-02
127	486533.18	3856043.15	6.34525	0.40897	0.6201	0.55143	2.56E-02	1.22E-02	3.96E-03	1.74E-03	4.35E-02	2.33E-02	1.32E-08	5.27E-05	4.75E-05	2.34E-02	2.97E-02	1.22E-02	3.96E-03	1.74E-03	4.76E-02
128	486583.18	3856043.15	6.35143	0.40963	0.5963	0.54658	2.57E-02	1.22E-02	3.80E-03	1.73E-03	4.34E-02	2.34E-02	1.32E-08	5.07E-05	4.71E-05	2.34E-02	2.97E-02	1.22E-02	3.80E-03	1.73E-03	4.75E-02
129	486633.18	3856043.15	6.2244	0.40613	0.6528	0.52935	2.52E-02	1.21E-02	4.16E-03	1.67E-03	4.31E-02	2.29E-02	1.31E-08	5.55E-05	4.56E-05	2.30E-02	2.91E-02	1.21E-02	4.16E-03	1.67E-03	4.71E-02
130	486683.18	3856043.15	6.23944	0.40408	0.6989	0.50979	2.52E-02	1.21E-02	4.46E-03	1.61E-03	4.33E-02	2.29E-02	1.30E-08	5.94E-05	4.39E-05	2.30E-02	2.92E-02	1.21E-02	4.46E-03	1.61E-03	4.73E-02
131	486733.18	3856043.15	6.09144	0.39623	0.6239	0.50602	2.46E-02	1.18E-02	3.98E-03	1.60E-03	4.20E-02	2.24E-02	1.28E-08	5.31E-05	4.36E-05	2.25E-02	2.85E-02	1.18E-02	3.98E-03	1.60E-03	4.59E-02
132	486783.18	3856043.15	6.04123	0.39582	0.6375	0.50307	2.44E-02	1.18E-02	4.07E-03	1.59E-03	4.19E-02	2.22E-02	1.28E-08	5.42E-05	4.33E-05	2.23E-02	2.83E-02	1.18E-02	4.07E-03	1.59E-03	4.57E-02
133	486533.18	3856093.15	6.90249	0.4289	0.606	0.56597	2.79E-02	1.28E-02	3.87E-03	1.79E-03	4.63E-02	2.54E-02	1.38E-08	5.15E-05	4.87E-05	2.55E-02	3.23E-02	1.28E-02	3.87E-03	1.79E-03	5.07E-02
134	486583.18	3856093.15	6.76514	0.42352	0.6373	0.55386	2.73E-02	1.26E-02	4.06E-03	1.75E-03	4.58E-02	2.49E-02	1.37E-08	5.42E-05	4.77E-05	2.50E-02	3.16E-02	1.26E-02	4.06E-03	1.75E-03	5.01E-02
135	486633.18	3856093.15	6.65376	0.41733	0.6048	0.54246	2.69E-02	1.25E-02	3.86E-03	1.71E-03	4.49E-02	2.45E-02	1.35E-08	5.14E-05	4.67E-05	2.46E-02	3.11E-02	1.25E-02	3.86E-03	1.71E-03	4.91E-02
136	486683.18	3856093.15	6.61997	0.41471	0.6924	0.52978	2.68E-02	1.24E-02	4.42E-03	1.67E-03	4.52E-02	2.43E-02	1.34E-08	5.89E-05	4.56E-05	2.44E-02	3.10E-02	1.24E-02	4.42E-03	1.67E-03	4.94E-02
137	486733.18	3856093.15	6.51812	0.41278	0.7148	0.5189	2.63E-02	1.23E-02	4.56E-03	1.64E-03	4.49E-02	2.40E-02	1.33E-08	6.08E-05	4.47E-05	2.41E-02	3.05E-02	1.23E-02	4.56E-03	1.64E-03	4.90E-02
138	486783.18	3856093.15	6.43205	0.41282	0.6189	0.50679	2.60E-02	1.23E-02	3.95E-03	1.60E-03	4.39E-02	2.36E-02	1.33E-08	5.26E-05	4.36E-05	2.37E-02	3.01E-02	1.23E-02	3.95E-03	1.60E-03	4.79E-02
139	486533.18	3856143.15	7.51638	0.44728	0.589	0.57123	3.04E-02	1.33E-02	3.76E-03	1.80E-03	4.93E-02	2.76E-02	1.44E-08	5.01E-05	4.92E-05	2.77E-02	3.52E-02	1.33E-02	3.76E-03	1.80E-03	5.41E-02
140	486583.18	3856143.15	7.29483	0.43901	0.6225	0.55869	2.95E-02	1.31E-02	3.97E-03	1.76E-03	4.83E-02	2.68E-02	1.41E-08	5.29E-05	4.81E-05	2.69E-02	3.41E-02	1.31E-02	3.97E-03	1.76E-03	5.29E-02
141	486633.18	3856143.15	7.09841	0.4385	0.6542	0.54407	2.87E-02	1.31E-02	4.17E-03	1.72E-03	4.77E-02	2.61E-02	1.41E-08	5.56E-05	4.68E-05	2.62E-02	3.32E-02	1.31E-02	4.17E-03	1.72E-03	5.22E-02
142	486683.18	3856143.15	7.01047	0.43709	0.6486	0.53073	2.83E-02	1.30E-02	4.14E-03	1.68E-03	4.72E-02	2.58E-02	1.41E-08	5.52E-05	4.57E-05	2.59E-02	3.28E-02	1.30E-02	4.14E-03	1.68E-03	5.16E-02
143	486733.18	3856143.15	6.92414	0.43568	0.7091	0.51786	2.80E-02	1.30E-02	4.52E-03	1.64E-03	4.71E-02	2.55E-02	1.40E-08	6.03E-05	4.46E-05	2.56E-02	3.24E-02	1.30E-02	4.52E-03	1.64E-03	5.15E-02
144	486783.18	3856143.15	6.89455	0.43774	0.6931	0.50279	2.79E-02	1.31E-02	4.42E-03	1.59E-03	4.69E-02	2.53E-02	1.41E-08	5.89E-05	4.33E-05	2.55E-02	3.22E-02	1.31E-02	4.42E-03	1.59E-03	5.13E-02
145	486533.18	3856193.15	8.10943	0.47616	0.5699	0.5399	3.28E-02	1.42E-02	3.64E-03	1.70E-03	5.23E-02	2.98E-02	1.53E-08	4.85E-05	4.65E-05	2.99E-02	3.79E-02	1.42E-02	3.64E-03	1.70E-03	5.75E-02
146	486583.18	3856193.15	7.78601	0.46179	0.6055	0.52868	3.15E-02	1.38E-02	3.86E-03	1.67E-03	5.08E-02	2.86E-02	1.49E-08	5.15E-05	4.55E-05	2.87E-02	3.64E-02	1.38E-02	3.86E-03	1.67E-03	5.57E-02
147	486633.18	3856193.15	7.65391	0.46083	0.6396	0.51471	3.09E-02	1.37E-02	4.08E-03	1.63E-03	5.04E-02	2.81E-02	1.49E-08	5.44E-05	4.43E-05	2.82E-02	3.58E-02	1.37E-02	4.08E-03	1.63E-03	5.52E-02
148	486683.18	3856193.15	7.58664	0.46187	0.6715	0.49988	3.07E-02	1.38E-02	4.28E-03	1.58E-03	5.03E-02	2.79E-02	1.49E-08	5.71E-05	4.30E-05	2.80E-02	3.55E-02	1.38E-02	4.28E-03	1.58E-03	5.51E-02
149	486733.18	3856193.15	7.39496	0.45872	0.6826	0.48843	2.99E-02	1.37E-02	4.35E-03	1.54E-03	4.95E-02	2.72E-02	1.48E-08	5.81E-05	4.21E-05	2.73E-02	3.46E-02	1.37E-02	4.35E-03	1.54E-03	5.42E-02
150	486783.18	3856193.15	7.33663	0.46032	0.726	0.47424	2.97E-02	1.37E-02	4.63E-03	1.50E-03	4.95E-02	2.70E-02	1.48E-08	6.17E-05	4.08E-05	2.71E-02	3.43E-02	1.37E-02	4.63E-03	1.50E-03	5.42E-02
151	486533.18	3856243.15	8.94548	0.49819	0.5736	0.53955	3.62E-02	1.49E-02	3.66E-03	1.70E-03	5.64E-02	3.29E-02	1.61E-08	4.88E-05	4.65E-05	3.30E-02	4.18E-02	1.49E-02	3.66E-03	1.70E-03	6.21E-02
152	486583.18	3856243.15	8.45666	0.49076	0.5862	0.53455	3.42E-02	1.46E-02	3.74E-03	1.69E-03	5.43E-02	3.11E-02	1.58E-08	4.99E-05	4.60E-05	3.12E-02	3.95E-02	1.46E-02	3.74E-03	1.69E-03	5.96E-02
153	486633.18	3856243.15	8.20211	0.48316	0.6225	0.52945	3.32E-02	1.44E-02	3.97E-03	1.67E-03	5.32E-02	3.02E-02	1.56E-08	5.29E-05	4.56E-05	3.03E-02	3.84E-02	1.44E-02	3.97E-03	1.67E-03	5.84E-02
154	486683.18	3856243.15	8.04519	0.48174	0.6572	0.52358	3.25E-02	1.44E-02	4.19E-03	1.65E-03	5.27E-02	2.96E-02	1.55E-08	5.59E-05	4.51E-05	2.97E-02	3.76E-02	1.44E-02	4.19E-03	1.65E-03	5.78E-02
155	486733.18	3856243.15	7.96275	0.48151	0.6886	0.51706	3.22E-02	1.44E-02	4.39E-03	1.63E-03	5.26E-02	2.93E-02	1.55E-08	5.86E-05	4.45E-05	2.94E-02	3.72E-02	1.44E-02	4.39E-03	1.63E-03	5.76E-02
156	486783.18	3856243.15	7.75653	0.47922	0.6753	0.51128	3.14E-02	1.43E-02	4.31E-03	1.61E-03	5.16E-02	2.85E-02	1.54E-08	5.74E-05	4.40E-05	2.86E-02	3.63E-02	1.43E-02	4.31E-03	1.61E-03	5.65E-02
157	486533.18	3856293.15	9.98929	0.5226	0.596	0.51319	4.04E-02	1.56E-02	3.80E-03	1.62E-03	6.14E-02	3.67E-02	1.68E-08	5.07E-05	4.42E-05	3.68E-02	4.67E-02	1.56E-02	3.80E-03	1.62E-03	6.77E-02
158	486583.18	3856293.15	9.37031	0.51949	0.5831	0.50972	3.79E-02	1.55E-02	3.72E-03	1.61E-03	5.87E-02	3.44E-02	1.67E-08	4.96E-05	4.39E-05	3.45E-02	4.38E-02	1.55E-02	3.72E-03	1.61E-03	6.46E-02
159	486633.18	3856293.15	9.01909	0.50716	0.6031	0.50338	3.65E-02	1.51E-02	3.85E-03	1.59E-03	5.70E-02	3.32E-02	1.63E-08	5.13E-05	4.33E-05	3.33E-02	4.22E-02	1.51E-02	3.85E-03	1.59E-03	6.27E-02
160	486683.18	3856293.15	8.72229	0.5034	0.6402	0.49238	3.53E-02	1.50E-02	4.08E-03	1.55E-03	5.59E-02	3.21E-02	1.62E-08	5.44E-05	4.24E-05	3.22E-02	4.08E-02	1.50E-02	4.08E-03	1.55E-03	6.14E-02
161	486733.18	3856293.15	8.53645	0.50845	0.6754	0.48088	3.45E-02	1.52E-02	4.31E-03	1.52E-03	5.55E-02	3.14E-02	1.64E-08	5.74E-05	4.14E-05	3.15E-02	3.99E-02	1.52E-02	4.31E-03	1.52E-03	6.09E-02
162	486783.18	3856293.15	8.35633	0.5105	0.6963	0.47183	3.38E-02	1.52E-02	4.44E-03	1.49E-03	5.49E-02	3.07E-02	1.65E-08	5.92E-05	4.06E-05	3.08E-02	3.91E-02	1.52E-02	4.44E-03	1.49E-03	6.02E-02
163	486783.18	3856343.15	9.10306	0.53845	0.6941	0.47239	3.68E-02	1.61E-02	4.43E-03	1.49E-03	5.88E-02	3.35E-02	1.74E-08	5.90E-05	4.07E-05	3.36E-02	4.26E-02	1.61E-02	4.43E-03	1.49E-03	6.46E-02
164	486833.18	3856343.15	8.82937	0.53409	0.7145	0.45224	3.57E-02	1.59E-02	4.56E-03	1.43E-03	5.76E-02	3.25E-02	1.72E-08	6.08E-05	3.89E-05	3.26E-02	4.13E-02	1.59E-02	4.56E-03	1.43E-03	6.32E-02
165	486883.18	3856343.15	8.64993	0.53037	0.6563	0.43247	3.50E-02	1.58E-02	4.19E-03	1.37E-03	5.63E-02	3.18E-02	1.71E-08	5.58E-05	3.72E-05	3.19E-02	4.05E-02	1.58E-02	4.19E-03	1.37E-03	6.18E-02
166	486783.18	3856393.15	9.91116	0.56202	0.6774	0.46503	4.01E-02	1.68E-02	4.32E-03	1.47E-03	6.26E-02	3.64E-02	1.81E-08	5.76E-05	4.00E-05	3.65E-02	4.64E-02	1.68E-02	4.32E-03	1.47E-03	6.89E-02
167	486833.18	3856393.15	9.49755	0.55801	0.7135	0.45469	3.84E-02	1.66E-02	4.55E-03	1.44E-03	6.10E-02	3.49E-02	1.80E-08	6.07E-05	3.92E-05	3.50E-02	4.44E-02	1.66E-02	4.55E-03	1.44E-03	6.70E-02
168	486883.18	3856393.15	9.10827	0.55413	0.7077	0.4449	3.68E-02	1.65E-02	4.51E-03	1.40E-03	5.93E-02	3.35E-02	1.79E-08	6.02E-05	3.83E-05	3.36E-02	4.26E-02	1.65E-02	4.51E-03	1.40E-03	6.50E-02
169	487208.74	3856886.11	12.9947	0.89627	0.8363	0.46829	5.25E-02	2.67E-02	5.33E-03	1.48E-03	8.61E-02	4.78E-02	2.89E-08	7.11E-05	4.03E-05	4.79E-02	6.08E-02	2.67E-02	5.33E-03	1.48E-03	9.43E-02
170	487258.74	3856886.11	12.037	0.88856	0.7825	0.46348	4.87E-02	2.65E-02	4.99E-03	1.46E-03	8.16E-02	4.43E-02	2.86E-08	6.66E-05	3.99E-05	4.44E-02	5.63E-02	2.65E-02	4.99E-03	1.46E-03	8.93E-02
171	487308.74	3856886.11	11.1385	0.87726	0.8034	0.45859	4.50E-02	2.62E-02	5.12E-03	1.45E-03	7.78E-02	4.10E-02	2.83E-08	6.83E-05	3.95E-05	4.11E-02	5.21E-02	2.62E-02	5.12E-03	1.45E-03	8.48E-02
172	487358.74	3856886.11	10.4328	0.86498	0.7758	0.45447	4.22E-02	2.58E-02	4.95E-03	1.43E-03	7.44E-02	3.84E-02	2.79E-08	6.60E-05	3.91E-05	3.85E-02	4.88E-02	2.58E-02	4.95E-03	1.43E-03	8.10E-02
173	487208.74	3856936.11	13.5749	0.92878	0.8108	0.43945	5.49E-02	2.77E-02	5.17E-03	1.39E-03	8.91E-02	4.99E-02	2.99E-08	6.90E-05	3.78E-05	5.00E-02	6.35E-02	2.77E-02	5.17E-03	1.39E-03	9.78E-02
174	487258.74	3856936.11	12.4356	0.91411	0.8418	0.43517	5.03E-02	2.73E-02	5.37E-03	1.37E-03	8.43E-02	4.57E-02	2.95E-08	7.16E-05	3.75E-05	4.58E-02	5.82E-02	2.73E-02	5.37E-03	1.37E-03	9.22E-02
175	487308.74	3856936.11	11.4056	0.90936	0.8164	0.42986	4.61E-02	2.71E-02	5.21E-03	1.36E-03	7.98E-02	4.19E-02	2.93E-08	6.94E-05	3.70E-05	4.20E-02	5.33E-02	2.71E-02	5.21E-03	1.36E-03	8.70E-02
176	487358.74	3856936.11	10.5028	0.90115	0.8216	0.42477	4.25E-02	2.69E-02	5.24E-03	1.34E-03	7.59E-02	3.86E-02	2.90E-08	6.99E-05	3.66E-05	3.87E-02	4.91E-02	2.69E-02	5.24E-03	1.34E-03	8.26E-02
177	487208.74	3856986.11	14.2689	0.97424	0.7936	0.43119	5.77E-02	2.91E-02	5.06E-03	1.36E-03	9.32E-02	5.25E-02	3.14E-08	6.75E-05	3.71E-05	5.26E-02	6.67E-02	2.91E-02	5.06E-03	1.36E-03	1.02E-01
178	487258.74	3856986.11	12.5598	0.96547	0.8354	0.40672	5.08E-02	2.88E-02	5.33E-03	1.28E-03	8.62E-02	4.62E-02	3.11E-08	7.10E-05	3.50E-05	4.63E-02	5.87E-02	2.88E-02	5.33E-03	1.28E-03	9.42E-02
179	487308.74	3856986.11	11.4785	0.94655	0.8567	0.37488	4.64E-02	2.82E-02	5.46E-03	1.18E-03	8.13E-02	4.22E-02	3.05E-08	7.29E-05	3.23E-05	4.23E-02	5.37E-02	2.82E-02	5.46E-03	1.18E-03	8.86E-02

180	487358.74	3856986.11	10.5905	0.93825	0.8853	0.35697	4.28E-02	2.80E-02	5.65E-03	1.13E-03	7.76E-02	3.89E-02	3.02E-08	7.53E-05	3.07E-05	3.90E-02	4.95E-02	2.80E-02	5.65E-03	1.13E-03	8.43E-02
181	487208.74	3857036.11	14.556	1.01063	0.7776	0.38556	5.88E-02	3.02E-02	4.96E-03	1.22E-03	9.52E-02	5.35E-02	3.26E-08	6.61E-05	3.32E-05	5.36E-02	6.81E-02	3.02E-02	4.96E-03	1.22E-03	1.04E-01
182	487258.74	3857036.11	12.7451	1.00343	0.8129	0.38265	5.15E-02	2.99E-02	5.19E-03	1.21E-03	8.78E-02	4.69E-02	3.23E-08	6.91E-05	3.30E-05	4.70E-02	5.96E-02	2.99E-02	5.19E-03	1.21E-03	9.59E-02
183	487308.74	3857036.11	11.6284	0.99398	0.8792	0.38516	4.70E-02	2.97E-02	5.61E-03	1.22E-03	8.35E-02	4.28E-02	3.20E-08	7.48E-05	3.32E-05	4.29E-02	5.44E-02	2.97E-02	5.61E-03	1.22E-03	9.09E-02
184	487358.74	3857036.11	10.577	0.97848	0.9129	0.38576	4.28E-02	2.92E-02	5.82E-03	1.22E-03	7.90E-02	3.89E-02	3.15E-08	7.76E-05	3.32E-05	3.90E-02	4.95E-02	2.92E-02	5.82E-03	1.22E-03	8.57E-02
185	487427.14	3856878.23	9.48751	0.85657	0.7783	0.44837	3.84E-02	2.56E-02	4.96E-03	1.42E-03	7.03E-02	3.49E-02	2.76E-08	6.62E-05	3.86E-05	3.50E-02	4.44E-02	2.56E-02	4.96E-03	1.42E-03	7.63E-02
186	487477.14	3856878.23	8.88595	0.85196	0.9102	0.44367	3.59E-02	2.54E-02	5.81E-03	1.40E-03	6.85E-02	3.27E-02	2.75E-08	7.74E-05	3.82E-05	3.28E-02	4.16E-02	2.54E-02	5.81E-03	1.40E-03	7.42E-02
187	487527.14	3856878.23	8.36258	0.8454	0.8921	0.4395	3.38E-02	2.52E-02	5.69E-03	1.39E-03	6.61E-02	3.07E-02	2.72E-08	7.59E-05	3.78E-05	3.09E-02	3.91E-02	2.52E-02	5.69E-03	1.39E-03	7.14E-02
188	487427.14	3856928.23	9.49979	0.89194	0.8212	0.42544	3.84E-02	2.66E-02	5.24E-03	1.34E-03	7.16E-02	3.49E-02	2.87E-08	6.98E-05	3.66E-05	3.50E-02	4.44E-02	2.66E-02	5.24E-03	1.34E-03	7.76E-02
189	487477.14	3856928.23	9.03323	0.88285	0.9279	0.41964	3.65E-02	2.63E-02	5.92E-03	1.32E-03	7.01E-02	3.32E-02	2.85E-08	7.89E-05	3.61E-05	3.33E-02	4.22E-02	2.63E-02	5.92E-03	1.32E-03	7.58E-02
190	487527.14	3856928.23	8.60454	0.87745	0.9191	0.41222	3.48E-02	2.62E-02	5.86E-03	1.30E-03	6.81E-02	3.16E-02	2.83E-08	7.82E-05	3.55E-05	3.17E-02	4.02E-02	2.62E-02	5.86E-03	1.30E-03	7.36E-02
191	487577.14	3856928.23	8.0229	0.87143	0.9462	0.4047	3.24E-02	2.60E-02	6.04E-03	1.28E-03	6.57E-02	2.95E-02	2.81E-08	8.05E-05	3.48E-05	2.96E-02	3.75E-02	2.60E-02	6.04E-03	1.28E-03	7.08E-02
192	487627.14	3856928.23	7.55506	0.86126	1.0824	0.39847	3.05E-02	2.57E-02	6.90E-03	1.26E-03	6.44E-02	2.78E-02	2.78E-08	9.21E-05	3.43E-05	2.79E-02	3.53E-02	2.57E-02	6.90E-03	1.26E-03	6.92E-02
193	487677.14	3856928.23	7.20588	0.85966	1.3227	0.38952	2.91E-02	2.56E-02	8.44E-03	1.23E-03	6.44E-02	2.65E-02	2.77E-08	1.12E-04	3.35E-05	2.66E-02	3.37E-02	2.56E-02	8.44E-03	1.23E-03	6.90E-02
194	487727.14	3856928.23	6.78633	0.8648	1.3391	0.37996	2.74E-02	2.58E-02	8.54E-03	1.20E-03	6.30E-02	2.49E-02	2.79E-08	1.14E-04	3.27E-05	2.51E-02	3.17E-02	2.58E-02	8.54E-03	1.20E-03	6.73E-02
195	487777.14	3856928.23	6.5242	0.86575	1.4574	0.3676	2.64E-02	2.58E-02	9.30E-03	1.16E-03	6.27E-02	2.40E-02	2.79E-08	1.24E-04	3.17E-05	2.41E-02	3.05E-02	2.58E-02	9.30E-03	1.16E-03	6.68E-02
196	487427.14	3856978.23	9.45365	0.92098	0.8671	0.3631	3.82E-02	2.75E-02	5.53E-03	1.15E-03	7.24E-02	3.48E-02	2.97E-08	7.37E-05	3.13E-05	3.49E-02	4.42E-02	2.75E-02	5.53E-03	1.15E-03	7.84E-02
197	487477.14	3856978.23	8.85326	0.91588	0.8451	0.35859	3.58E-02	2.73E-02	5.39E-03	1.13E-03	6.96E-02	3.25E-02	2.95E-08	7.19E-05	3.09E-05	3.27E-02	4.14E-02	2.73E-02	5.39E-03	1.13E-03	7.52E-02
198	487527.14	3856978.23	8.40315	0.90955	0.9358	0.35379	3.40E-02	2.71E-02	5.97E-03	1.12E-03	6.82E-02	3.09E-02	2.93E-08	7.96E-05	3.05E-05	3.10E-02	3.93E-02	2.71E-02	5.97E-03	1.12E-03	7.35E-02
199	487577.14	3856978.23	8.00077	0.90213	0.9978	0.34907	3.23E-02	2.69E-02	6.36E-03	1.10E-03	6.67E-02	2.94E-02	2.91E-08	8.49E-05	3.01E-05	2.95E-02	3.74E-02	2.69E-02	6.36E-03	1.10E-03	7.18E-02
200	487627.14	3856978.23	7.50042	0.89171	1.0478	0.34672	3.03E-02	2.66E-02	6.68E-03	1.09E-03	6.47E-02	2.76E-02	2.87E-08	8.91E-05	2.99E-05	2.77E-02	3.51E-02	2.66E-02	6.68E-03	1.09E-03	6.95E-02
201	487677.14	3856978.23	7.05939	0.90844	1.2431	0.35222	2.85E-02	2.71E-02	7.93E-03	1.11E-03	6.47E-02	2.60E-02	2.93E-08	1.06E-04	3.03E-05	2.61E-02	3.30E-02	2.71E-02	7.93E-03	1.11E-03	6.92E-02
202	487727.14	3856978.23	6.78841	0.89742	1.429	0.34363	2.74E-02	2.68E-02	9.11E-03	1.08E-03	6.44E-02	2.50E-02	2.89E-08	1.22E-04	2.96E-05	2.51E-02	3.17E-02	2.68E-02	9.11E-03	1.08E-03	6.87E-02
203	487777.14	3856978.23	6.5127	0.91831	1.5384	0.3306	2.63E-02	2.74E-02	9.81E-03	1.04E-03	6.46E-02	2.39E-02	2.96E-08	1.31E-04	2.85E-05	2.41E-02	3.05E-02	2.74E-02	9.81E-03	1.04E-03	6.87E-02
204	487427.14	3857028.23	9.54693	0.96128	0.9491	0.35521	3.86E-02	2.87E-02	6.05E-03	1.12E-03	7.44E-02	3.51E-02	3.10E-08	8.07E-05	3.06E-05	3.52E-02	4.46E-02	2.87E-02	6.05E-03	1.12E-03	8.05E-02
205	487477.14	3857028.23	8.94063	0.95379	0.9179	0.3262	3.61E-02	2.85E-02	5.86E-03	1.03E-03	7.15E-02	3.29E-02	3.07E-08	7.81E-05	2.81E-05	3.30E-02	4.18E-02	2.85E-02	5.86E-03	1.03E-03	7.72E-02
206	487527.14	3857028.23	8.2055	0.94485	0.9601	0.32014	3.32E-02	2.82E-02	6.12E-03	1.01E-03	6.85E-02	3.02E-02	3.05E-08	8.16E-05	2.76E-05	3.03E-02	3.84E-02	2.82E-02	6.12E-03	1.01E-03	7.37E-02
207	487577.14	3857028.23	7.72361	0.93804	1.0308	0.31958	3.12E-02	2.80E-02	6.57E-03	1.01E-03	6.68E-02	2.84E-02	3.02E-08	8.77E-05	2.75E-05	2.85E-02	3.61E-02	2.80E-02	6.57E-03	1.01E-03	7.17E-02
208	487627.14	3857028.23	7.40144	0.92533	1.0615	0.3307	2.99E-02	2.76E-02	6.77E-03	1.04E-03	6.53E-02	2.72E-02	2.98E-08	9.03E-05	2.85E-05	2.73E-02	3.46E-02	2.76E-02	6.77E-03	1.04E-03	7.00E-02
209	487677.14	3857028.23	7.08845	0.95335	1.2221	0.33513	2.87E-02	2.84E-02	7.80E-03	1.06E-03	6.59E-02	2.61E-02	3.07E-08	1.04E-04	2.89E-05	2.62E-02	3.31E-02	2.84E-02	7.80E-03	1.06E-03	7.04E-02
210	487727.14	3857028.23	6.79248	0.9606	1.4297	0.33084	2.75E-02	2.87E-02	9.12E-03	1.04E-03	6.63E-02	2.50E-02	3.10E-08	1.22E-04	2.85E-05	2.51E-02	3.18E-02	2.87E-02	9.12E-03	1.04E-03	7.06E-02
211	487777.14	3857028.23	6.50009	0.96399	1.5704	0.31565	2.63E-02	2.88E-02	1.00E-02	9.97E-04	6.60E-02	2.39E-02	3.11E-08	1.34E-04	2.72E-05	2.41E-02	3.04E-02	2.88E-02	1.00E-02	9.97E-04	7.02E-02
212	487427.14	3857078.23	9.30743	0.99806	0.9979	0.34319	3.76E-02	2.98E-02	6.37E-03	1.08E-03	7.48E-02	3.42E-02	3.22E-08	8.49E-05	2.96E-05	3.43E-02	4.35E-02	2.98E-02	6.37E-03	1.08E-03	8.08E-02
213	487477.14	3857078.23	8.47613	0.98782	0.9623	0.34067	3.43E-02	2.95E-02	6.14E-03	1.08E-03	7.09E-02	3.12E-02	3.18E-08	8.18E-05	2.93E-05	3.13E-02	3.96E-02	2.95E-02	6.14E-03	1.08E-03	7.63E-02
214	487527.14	3857078.23	7.89449	0.98007	0.9783	0.33701	3.19E-02	2.92E-02	6.24E-03	1.06E-03	6.85E-02	2.90E-02	3.16E-08	8.32E-05	2.90E-05	2.91E-02	3.69E-02	2.92E-02	6.24E-03	1.06E-03	7.35E-02
215	487577.14	3857078.23	7.52381	0.97111	1.0389	0.33283	3.04E-02	2.90E-02	6.63E-03	1.05E-03	6.71E-02	2.77E-02	3.13E-08	8.84E-05	2.87E-05	2.78E-02	3.52E-02	2.90E-02	6.63E-03	1.05E-03	7.18E-02
216	487627.14	3857078.23	7.1998	0.96488	1.1261	0.32259	2.91E-02	2.88E-02	7.18E-03	1.02E-03	6.61E-02	2.65E-02	3.11E-08	9.58E-05	2.78E-05	2.66E-02	3.37E-02	2.88E-02	7.18E-03	1.02E-03	7.07E-02
217	487677.14	3857078.23	6.89573	1.00184	1.1829	0.32437	2.79E-02	2.99E-02	7.54E-03	1.02E-03	6.63E-02	2.54E-02	3.23E-08	1.01E-04	2.79E-05	2.55E-02	3.22E-02	2.99E-02	7.54E-03	1.02E-03	7.07E-02
218	487727.14	3857078.23	6.61245	1.00564	1.4638	0.31821	2.67E-02	3.00E-02	9.34E-03	1.00E-03	6.71E-02	2.43E-02	3.24E-08	1.24E-04	2.74E-05	2.45E-02	3.09E-02	3.00E-02	9.34E-03	1.00E-03	7.13E-02
219	487777.14	3857078.23	6.36749	1.00422	1.6166	0.3083	2.57E-02	3.00E-02	1.03E-02	9.73E-04	6.70E-02	2.34E-02	3.24E-08	1.37E-04	2.65E-05	2.36E-02	2.98E-02	3.00E-02	1.03E-02	9.73E-04	7.10E-02
220	487427.14	3857128.23	8.64587	1.04777	1.0278	0.33263	3.49E-02	3.13E-02	6.56E-03	1.05E-03	7.38E-02	3.18E-02	3.38E-08	8.74E-05	2.86E-05	3.19E-02	4.04E-02	3.13E-02	6.56E-03	1.05E-03	7.93E-02
221	487477.14	3857128.23	8.10271	1.02125	0.995	0.32984	3.28E-02	3.05E-02	6.35E-03	1.04E-03	7.06E-02	2.98E-02	3.29E-08	8.46E-05	2.84E-05	2.99E-02	3.79E-02	3.05E-02	6.35E-03	1.04E-03	7.57E-02
222	487527.14	3857128.23	7.60261	1.00946	0.968	0.32418	3.07E-02	3.01E-02	6.17E-03	1.02E-03	6.80E-02	2.80E-02	3.25E-08	8.23E-05	2.79E-05	2.81E-02	3.56E-02	3.01E-02	6.17E-03	1.02E-03	7.29E-02
223	487577.14	3857128.23	7.14734	1.0011	1.0643	0.31556	2.89E-02	2.99E-02	6.79E-03	9.96E-04	6.65E-02	2.63E-02	3.23E-08	9.05E-05	2.72E-05	2.64E-02	3.34E-02	2.99E-02	6.79E-03	9.96E-04	7.11E-02
224	487627.14	3857128.23	6.75282	1.00025	1.1665	0.30418	2.73E-02	2.98E-02	7.44E-03	9.60E-04	6.55E-02	2.48E-02	3.22E-08	9.92E-05	2.62E-05	2.50E-02	3.16E-02	2.98E-02	7.44E-03	9.60E-04	6.98E-02
225	487677.14	3857128.23	6.42907	1.02995	1.2323	0.31267	2.60E-02	3.07E-02	7.86E-03	9.87E-04	6.56E-02	2.36E-02	3.32E-08	1.05E-04	2.69E-05	2.38E-02	3.01E-02	3.07E-02	7.86E-03	9.87E-04	6.96E-02
226	487727.14	3857128.23	6.14747	1.0377	1.344	0.298	2.48E-02	3.10E-02	8.57E-03	9.41E-04	6.53E-02	2.26E-02	3.34E-08	1.14E-04	2.57E-05	2.27E-02	2.87E-02	3.10E-02	8.57E-03	9.41E-04	6.92E-02
227	487777.14	3857128.23	5.90701	1.03224	1.5764	0.29408	2.39E-02	3.08E-02	1.01E-02	9.29E-04	6.57E-02	2.17E-02	3.33E-08	1.34E-04	2.53E-05	2.19E-02	2.76E-02	3.08E-02	1.01E-02	9.29E-04	6.94E-02
228	488049.44	3856539.39	4.66761	0.66764	0.7773	0.28863	1.89E-02	1.99E-02	4.96E-03	9.11E-04	4.47E-02	1.72E-02	2.15E-08	6.61E-05	2.49E-05	1.73E-02	2.18E-02	1.99E-02	4.96E-03	9.11E-04	4.76E-02
229	488099.44	3856539.39	4.4808	0.65659	0.7168	0.28848	1.81E-02	1.96E-02	4.57E-03	9.11E-04	4.32E-02	1.65E-02	2.12E-08	6.10E-05	2.48E-05	1.66E-02	2.10E-02	1.96E-02	4.57E-03	9.11E-04	4.60E-02
230	488149.44	3856539.39	4.30759	0.64388	0.7491	0.28711	1.74E-02	1.92E-02	4.78E-03	9.07E-04	4.23E-02	1.58E-02	2.08E-08	6.37E-05	2.47E-05	1.59E-02	2.01E-02	1.92E-02	4.78E-03	9.07E-04	4.50E-02
231	488049.44	3856589.39	4.94268	0.69489	0.7922	0.29551	2.00E-02	2.07E-02	5.05E-03	9.33E-04	4.67E-02	1.82E-02	2.24E-08	6.74E-05	2.54E-05	1.83E-02	2.31E-02	2.07E-02	5.05E-03	9.33E-04	4.98E-02
232	488099.44	3856589.39	4.75877	0.68665	0.7676	0.28524	1.92E-02	2.05E-02	4.90E-03	9.01E-04	4.55E-02	1.75E-02	2.21E-08	6.53E-05	2.46E-05	1.76E-02	2.23E-02	2.05E-02	4.90E-03	9.01E-04	4.85E-02
233	488149.44	3856589.39	4.58552	0.67846	0.7726	0.2767	1.85E-02	2.02E-02	4.93E-03	8.74E-04	4.46E-02	1.69E-02	2.19E-08	6.57E-05	2.38E-05	1.69E-02	2.14E-02	2.02E-02	4.93E-03	8.74E-04	4.75E-02
234	488199.44	3856589.39	4.42106	0.65136	0.7478	0.27425	1.79E-02	1.94E-02	4.77E-03	8.66E-04	4.29E-02	1.63E-02	2.10E-08	6.36E-05	2.36E-05	1.63E-02	2.07E-02	1.94E-02	4.77E-03	8.66E-04	4.57E-02
235	488249.44	3856589.39	4.26461	0.65565	0.8283	0.27748	1.72E-02	1.96E-02	5.28E-03	8.76E-04	4.30E-02	1.57E-02	2.11E-08	7.04E-05	2.39E-05	1.58E-02	1.99E-02	1.96E-02	5.28E-03	8.76E-04	4.57E-02
236	488049.44	3856639.39	5.22544	0.727	0.8074	0.31627	2.11E-02	2.17E-02	5.15E-03	9.99E-04	4.90E-02	1.92E-02	2.34E-08	6.87E-05	2.72E-05	1.93E-02	2.44E-02	2.17E-02	5.15E-03	9.99E-04	5.23E-02
237	488099.44	3856639.39	5.04237	0.70494	0.8196	0.30851	2.04E-02	2.10E-02	5.23E-03	9.74E-04	4.76E-02	1.85E-02	2.27E-08	6.97E-05	2.66E-05	1.86E-02	2.36E-02	2.10E-02	5.23E-03	9.74E-04	5.08E-02
238	488149.44	3856639.39	4.86737	0.69615	0.8255	0.29954	1.97E-02	2.08E-02	5.27E-03	9.46E-04	4.67E-02	1.79E-02	2.24E-08	7.02E-05	2.58E-05	1.80E-02	2.28E-02	2.08E-02	5.27E-03	9.46E-04	4.97E-02
239	488199.44	3856639.39	4.6983	0.69056	0.7969	0.29212	1.90E-02	2.06E-02	5.08E-03	9.22E-04	4.56E-02	1.73E-02	2.23E-08	6.78E-05	2.52E-05	1.74E-02	2.20E-02	2.06E-02	5.08E-03	9.22E-04	4.86E-02
240	488249.44	3856639.39	4.53653	0.66954	0.8352	0.28766	1.83E-02	2.00E-02	5.33E-03	9.08E-04	4.45E-02	1.67E-02	2.16E-08	7.10E-05	2.48E-05	1.68E-02	2.12E-02	2.00E-02	5.33E-03	9.08E-04	4.74E-02

241	488299.44	3856639.39	4.38083	0.66555	0.9157	0.28215	1.77E-02	1.99E-02	5.84E-03	8.91E-04	4.43E-02	1.61E-02	2.15E-08	7.79E-05	2.43E-05	1.62E-02	2.05E-02	1.99E-02	5.84E-03	8.91E-04	4.71E-02
242	488349.44	3856639.39	4.23191	0.65994	0.8659	0.27727	1.71E-02	1.97E-02	5.52E-03	8.75E-04	4.32E-02	1.56E-02	2.13E-08	7.36E-05	2.39E-05	1.57E-02	1.98E-02	1.97E-02	5.52E-03	8.75E-04	4.59E-02
243	488399.44	3856639.39	4.08572	0.67908	1.0178	0.27223	1.65E-02	2.03E-02	6.49E-03	8.60E-04	4.41E-02	1.50E-02	2.19E-08	8.66E-05	2.34E-05	1.51E-02	1.91E-02	2.03E-02	6.49E-03	8.60E-04	4.67E-02
244	488099.44	3856689.39	5.21452	0.74649	0.8477	0.32613	2.11E-02	2.23E-02	5.41E-03	1.03E-03	4.98E-02	1.92E-02	2.41E-08	7.21E-05	2.81E-05	1.93E-02	2.44E-02	2.23E-02	5.41E-03	1.03E-03	5.31E-02
245	488149.44	3856689.39	5.0713	0.72578	0.8852	0.31378	2.05E-02	2.17E-02	5.65E-03	9.91E-04	4.88E-02	1.86E-02	2.34E-08	7.53E-05	2.70E-05	1.87E-02	2.37E-02	2.17E-02	5.65E-03	9.91E-04	5.20E-02
246	488199.44	3856689.39	4.93709	0.71447	0.8499	0.29916	2.00E-02	2.13E-02	5.42E-03	9.45E-04	4.76E-02	1.82E-02	2.30E-08	7.23E-05	2.58E-05	1.82E-02	2.31E-02	2.13E-02	5.42E-03	9.45E-04	5.08E-02
247	488249.44	3856689.39	4.80529	0.70174	0.841	0.30919	1.94E-02	2.09E-02	5.36E-03	9.76E-04	4.67E-02	1.77E-02	2.26E-08	7.15E-05	2.66E-05	1.78E-02	2.25E-02	2.09E-02	5.36E-03	9.76E-04	4.97E-02
248	488299.44	3856689.39	4.64178	0.70176	0.9028	0.29294	1.88E-02	2.09E-02	5.76E-03	9.25E-04	4.64E-02	1.71E-02	2.26E-08	7.68E-05	2.52E-05	1.72E-02	2.17E-02	2.09E-02	5.76E-03	9.25E-04	4.93E-02
249	488349.44	3856689.39	4.48789	0.69579	0.9411	0.28154	1.81E-02	2.08E-02	6.00E-03	8.89E-04	4.58E-02	1.65E-02	2.24E-08	8.00E-05	2.42E-05	1.66E-02	2.10E-02	2.08E-02	6.00E-03	8.89E-04	4.86E-02
250	488399.44	3856689.39	4.34127	0.68647	1.0635	0.27426	1.75E-02	2.05E-02	6.78E-03	8.66E-04	4.57E-02	1.60E-02	2.21E-08	9.04E-05	2.36E-05	1.61E-02	2.03E-02	2.05E-02	6.78E-03	8.66E-04	4.84E-02
251	488099.44	3856739.39	5.27276	0.79271	0.8793	0.33351	2.13E-02	2.36E-02	5.61E-03	1.05E-03	5.16E-02	1.94E-02	2.55E-08	7.48E-05	2.87E-05	1.95E-02	2.47E-02	2.36E-02	5.61E-03	1.05E-03	5.50E-02
252	488149.44	3856739.39	5.14268	0.76685	0.9507	0.32028	2.08E-02	2.29E-02	6.06E-03	1.01E-03	5.07E-02	1.89E-02	2.47E-08	8.09E-05	2.76E-05	1.90E-02	2.41E-02	2.29E-02	6.06E-03	1.01E-03	5.40E-02
253	488199.44	3856739.39	5.01077	0.75771	0.9077	0.30231	2.03E-02	2.26E-02	5.79E-03	9.55E-04	4.96E-02	1.84E-02	2.44E-08	7.72E-05	2.60E-05	1.85E-02	2.34E-02	2.26E-02	5.79E-03	9.55E-04	5.28E-02
254	488249.44	3856739.39	4.89167	0.73325	0.846	0.29935	1.98E-02	2.19E-02	5.40E-03	9.45E-04	4.80E-02	1.80E-02	2.36E-08	7.19E-05	2.58E-05	1.81E-02	2.29E-02	2.19E-02	5.40E-03	9.45E-04	5.11E-02
255	488299.44	3856739.39	4.78069	0.71564	0.8838	0.29163	1.93E-02	2.13E-02	5.64E-03	9.21E-04	4.72E-02	1.76E-02	2.31E-08	7.52E-05	2.51E-05	1.77E-02	2.24E-02	2.13E-02	5.64E-03	9.21E-04	5.03E-02
256	488349.44	3856739.39	4.65317	0.72789	1.0042	0.27361	1.88E-02	2.17E-02	6.41E-03	8.64E-04	4.78E-02	1.71E-02	2.35E-08	8.54E-05	2.36E-05	1.72E-02	2.18E-02	2.17E-02	6.41E-03	8.64E-04	5.07E-02
257	488399.44	3856739.39	4.51603	0.73093	1.1102	0.27123	1.83E-02	2.18E-02	7.08E-03	8.56E-04	4.80E-02	1.66E-02	2.36E-08	9.44E-05	2.34E-05	1.67E-02	2.11E-02	2.18E-02	7.08E-03	8.56E-04	5.09E-02
258	487999.44	3856789.39	5.64605	0.79388	1.0138	0.31738	2.28E-02	2.37E-02	6.47E-03	1.00E-03	5.40E-02	2.08E-02	2.56E-08	8.62E-05	2.73E-05	2.09E-02	2.64E-02	2.37E-02	6.47E-03	1.00E-03	5.76E-02
259	488049.44	3856789.39	5.4898	0.79453	0.9997	0.32209	2.22E-02	2.37E-02	6.38E-03	1.02E-03	5.33E-02	2.02E-02	2.56E-08	8.50E-05	2.77E-05	2.03E-02	2.57E-02	2.37E-02	6.38E-03	1.02E-03	5.68E-02
260	488099.44	3856789.39	5.32784	0.80048	0.9557	0.31431	2.15E-02	2.39E-02	6.10E-03	9.92E-04	5.25E-02	1.96E-02	2.58E-08	8.13E-05	2.71E-05	1.97E-02	2.49E-02	2.39E-02	6.10E-03	9.92E-04	5.59E-02
261	488149.44	3856789.39	5.14907	0.79057	0.9993	0.31401	2.08E-02	2.36E-02	6.37E-03	9.91E-04	5.18E-02	1.89E-02	2.55E-08	8.50E-05	2.70E-05	1.90E-02	2.41E-02	2.36E-02	6.37E-03	9.91E-04	5.50E-02
262	488199.44	3856789.39	4.97843	0.78239	0.97	0.31101	2.01E-02	2.33E-02	6.19E-03	9.82E-04	5.06E-02	1.83E-02	2.52E-08	8.25E-05	2.68E-05	1.84E-02	2.33E-02	2.33E-02	6.19E-03	9.82E-04	5.38E-02
263	488249.44	3856789.39	4.82475	0.76523	0.8637	0.30866	1.95E-02	2.28E-02	5.51E-03	9.75E-04	4.88E-02	1.77E-02	2.47E-08	7.35E-05	2.66E-05	1.78E-02	2.26E-02	2.28E-02	5.51E-03	9.75E-04	5.19E-02
264	488299.44	3856789.39	4.68608	0.74136	0.9298	0.29908	1.89E-02	2.21E-02	5.93E-03	9.44E-04	4.79E-02	1.72E-02	2.39E-08	7.91E-05	2.58E-05	1.73E-02	2.19E-02	2.21E-02	5.93E-03	9.44E-04	5.09E-02
265	488349.44	3856789.39	4.53709	0.75743	1.0528	0.28164	1.83E-02	2.26E-02	6.72E-03	8.89E-04	4.85E-02	1.67E-02	2.44E-08	8.95E-05	2.43E-05	1.68E-02	2.12E-02	2.26E-02	6.72E-03	8.89E-04	5.14E-02
266	488399.44	3856789.39	4.40146	0.7591	1.158	0.28536	1.78E-02	2.26E-02	7.39E-03	9.01E-04	4.87E-02	1.62E-02	2.45E-08	9.85E-05	2.46E-05	1.63E-02	2.06E-02	2.26E-02	7.39E-03	9.01E-04	5.15E-02
267	487949.44	3856839.39	5.8204	0.79793	1.0744	0.31521	2.35E-02	2.38E-02	6.85E-03	9.95E-04	5.52E-02	2.14E-02	2.57E-08	9.14E-05	2.71E-05	2.15E-02	2.72E-02	2.38E-02	6.85E-03	9.95E-04	5.89E-02
268	487999.44	3856839.39	5.58723	0.79784	1.0351	0.31576	2.26E-02	2.38E-02	6.60E-03	9.97E-04	5.40E-02	2.05E-02	2.57E-08	8.80E-05	2.72E-05	2.07E-02	2.61E-02	2.38E-02	6.60E-03	9.97E-04	5.75E-02
269	488049.44	3856839.39	5.37569	0.79996	1.0209	0.31721	2.17E-02	2.39E-02	6.51E-03	1.00E-03	5.31E-02	1.98E-02	2.58E-08	8.68E-05	2.73E-05	1.99E-02	2.51E-02	2.39E-02	6.51E-03	1.00E-03	5.65E-02
270	488099.44	3856839.39	5.22099	0.80414	1.0279	0.33296	2.11E-02	2.40E-02	6.56E-03	1.05E-03	5.27E-02	1.92E-02	2.59E-08	8.74E-05	2.87E-05	1.93E-02	2.44E-02	2.40E-02	6.56E-03	1.05E-03	5.60E-02
271	488149.44	3856839.39	5.07159	0.80678	1.0086	0.33243	2.05E-02	2.41E-02	6.43E-03	1.05E-03	5.21E-02	1.86E-02	2.60E-08	8.58E-05	2.86E-05	1.88E-02	2.37E-02	2.41E-02	6.43E-03	1.05E-03	5.53E-02
272	488199.44	3856839.39	4.92721	0.80727	0.9647	0.31861	1.99E-02	2.41E-02	6.15E-03	1.01E-03	5.12E-02	1.81E-02	2.60E-08	8.20E-05	2.74E-05	1.82E-02	2.30E-02	2.41E-02	6.15E-03	1.01E-03	5.43E-02
273	487949.44	3856889.39	5.77221	0.83769	1.0921	0.32079	2.33E-02	2.50E-02	6.97E-03	1.01E-03	5.63E-02	2.12E-02	2.70E-08	9.29E-05	2.76E-05	2.13E-02	2.70E-02	2.50E-02	6.97E-03	1.01E-03	6.00E-02
274	487999.44	3856889.39	5.58418	0.8475	1.1179	0.3092	2.26E-02	2.53E-02	7.13E-03	9.76E-04	5.60E-02	2.05E-02	2.73E-08	9.51E-05	2.66E-05	2.07E-02	2.61E-02	2.53E-02	7.13E-03	9.76E-04	5.95E-02
275	488049.44	3856889.39	5.41897	0.84309	0.9938	0.31817	2.19E-02	2.52E-02	6.34E-03	1.00E-03	5.44E-02	1.99E-02	2.72E-08	8.45E-05	2.74E-05	2.00E-02	2.53E-02	2.52E-02	6.34E-03	1.00E-03	5.78E-02
276	488099.44	3856889.39	5.24872	0.84941	1.001	0.33507	2.12E-02	2.53E-02	6.39E-03	1.06E-03	5.40E-02	1.93E-02	2.74E-08	8.51E-05	2.89E-05	1.94E-02	2.45E-02	2.53E-02	6.39E-03	1.06E-03	5.73E-02
277	488635.86	3857895.05	2.32072	1.34976	6.7623	0.2582	9.38E-03	4.03E-02	4.31E-02	8.15E-04	9.36E-02	8.53E-03	4.35E-08	5.75E-04	2.22E-05	9.13E-03	1.09E-02	4.03E-02	4.31E-02	8.15E-04	9.51E-02
278	489137.64	3857804.15	2.46771	1.19586	3.2917	0.30591	9.97E-03	3.57E-02	2.10E-02	9.66E-04	6.76E-02	9.07E-03	3.85E-08	2.80E-04	2.63E-05	9.38E-03	1.15E-02	3.57E-02	2.10E-02	9.66E-04	6.92E-02
279	488617.32	3857859.41	2.3755	1.3143	6.6269	0.24877	9.60E-03	3.92E-02	4.23E-02	7.85E-04	9.19E-02	8.73E-03	4.24E-08	5.64E-04	2.14E-05	9.32E-03	1.11E-02	3.92E-02	4.23E-02	7.85E-04	9.34E-02
280	488667.32	3857859.41	2.44582	1.29601	6.1338	0.25801	9.89E-03	3.87E-02	3.91E-02	8.15E-04	8.85E-02	8.99E-03	4.18E-08	5.22E-04	2.22E-05	9.54E-03	1.14E-02	3.87E-02	3.91E-02	8.15E-04	9.00E-02
281	488717.32	3857859.41	2.50021	1.27789	5.6325	0.2565	1.01E-02	3.81E-02	3.59E-02	8.10E-04	8.50E-02	9.19E-03	4.12E-08	4.79E-04	2.21E-05	9.69E-03	1.17E-02	3.81E-02	3.59E-02	8.10E-04	8.66E-02
282	488767.32	3857859.41	2.55352	1.26718	5.1461	0.26618	1.03E-02	3.78E-02	3.28E-02	8.40E-04	8.18E-02	9.39E-03	4.08E-08	4.38E-04	2.29E-05	9.85E-03	1.19E-02	3.78E-02	3.28E-02	8.40E-04	8.34E-02
283	488617.32	3857909.41	2.33029	1.354	7.1806	0.25915	9.42E-03	4.04E-02	4.58E-02	8.18E-04	9.64E-02	8.57E-03	4.36E-08	6.11E-04	2.23E-05	9.20E-03	1.09E-02	4.04E-02	4.58E-02	8.18E-04	9.79E-02
284	488667.32	3857909.41	2.2788	1.37092	6.399	0.26139	9.21E-03	4.09E-02	4.08E-02	8.25E-04	9.18E-02	8.38E-03	4.42E-08	5.44E-04	2.25E-05	8.94E-03	1.07E-02	4.09E-02	4.08E-02	8.25E-04	9.32E-02
285	488717.32	3857909.41	2.27313	1.34715	5.9331	0.30337	9.19E-03	4.02E-02	3.78E-02	9.58E-04	8.82E-02	8.36E-03	4.34E-08	5.05E-04	2.61E-05	8.89E-03	1.06E-02	4.02E-02	3.78E-02	9.58E-04	8.96E-02
286	488767.32	3857909.41	2.33092	1.33382	5.4669	0.27561	9.42E-03	3.98E-02	3.49E-02	8.70E-04	8.50E-02	8.57E-03	4.30E-08	4.65E-04	2.37E-05	9.06E-03	1.09E-02	3.98E-02	3.49E-02	8.70E-04	8.64E-02
287	488417.32	3857959.41	2.30294	1.37555	12.13	0.29049	9.31E-03	4.10E-02	7.74E-02	9.17E-04	1.29E-01	8.47E-03	4.43E-08	1.03E-03	2.50E-05	9.52E-03	1.08E-02	4.10E-02	7.74E-02	9.17E-04	1.30E-01
288	488467.32	3857959.41	2.20816	1.39008	10.72	0.26798	8.93E-03	4.15E-02	6.84E-02	8.46E-04	1.20E-01	8.12E-03	4.48E-08	9.12E-04	2.31E-05	9.05E-03	1.03E-02	4.15E-02	6.84E-02	8.46E-04	1.21E-01
289	488517.32	3857959.41	2.24426	1.39531	9.5888	0.26607	9.07E-03	4.16E-02	6.12E-02	8.40E-04	1.13E-01	8.25E-03	4.50E-08	8.15E-04	2.29E-05	9.09E-03	1.05E-02	4.16E-02	6.12E-02	8.40E-04	1.14E-01
290	488567.32	3857959.41	2.27584	1.41268	8.48	0.27109	9.20E-03	4.21E-02	5.41E-02	8.56E-04	1.06E-01	8.37E-03	4.55E-08	7.21E-04	2.33E-05	9.11E-03	1.06E-02	4.21E-02	5.41E-02	8.56E-04	1.08E-01
291	488617.32	3857959.41	2.26323	1.38689	7.4993	0.26734	9.15E-03	4.14E-02	4.78E-02	8.44E-04	9.92E-02	8.32E-03	4.47E-08	6.38E-04	2.30E-05	8.98E-03	1.06E-02	4.14E-02	4.78E-02	8.44E-04	1.01E-01
292	488667.32	3857959.41	2.24449	1.39585	6.6874	0.29748	9.07E-03	4.16E-02	4.27E-02	9.39E-04	9.43E-02	8.25E-03	4.50E-08	5.69E-04	2.56E-05	8.85E-03	1.05E-02	4.16E-02	4.27E-02	9.39E-04	9.57E-02
293	488717.32	3857959.41	2.21407	1.4018	6.285	0.28273	8.95E-03	4.18E-02	4.01E-02	8.93E-04	9.18E-02	8.14E-03	4.52E-08	5.35E-04	2.43E-05	8.70E-03	1.04E-02	4.18E-02	4.01E-02	8.93E-04	9.32E-02
294	488767.32	3857959.41	2.17832	1.39379	6.0815	0.31084	8.81E-03	4.16E-02	3.88E-02	9.81E-04	9.02E-02	8.01E-03	4.49E-08	5.17E-04	2.68E-05	8.55E-03	1.02E-02	4.16E-02	3.88E-02	9.81E-04	9.15E-02
295	488417.32	3858009.41	2.32601	1.40991	12.363	0.27744	9.40E-03	4.21E-02	7.89E-02	8.76E-04	1.31E-01	8.55E-03	4.54E-08	1.05E-03	2.39E-05	9.63E-03	1.09E-02	4.21E-02	7.89E-02	8.76E-04	1.33E-01
296	488467.32	3858009.41	2.24257	1.44977	10.644	0.27755	9.06E-03	4.33E-02	6.79E-02	8.76E-04	1.21E-01	8.24E-03	4.67E-08	9.05E-04	2.39E-05	9.17E-03	1.05E-02	4.33E-02	6.79E-02	8.76E-04	1.23E-01
297	488517.32	3858009.41	2.14122	1.45832	9.1493	0.27695	8.66E-03	4.35E-02	5.84E-02	8.74E-04	1.11E-01	7.87E-03	4.70E-08	7.78E-04	2.38E-05	8.67E-03	1.00E-02	4.35E-02	5.84E-02	8.74E-04	1.13E-01
298	488567.32	3858009.41	2.09592	1.47347	8.0044	0.27578	8.47E-03	4.40E-02	5.11E-02	8.71E-04	1.04E-01	7.71E-03	4.75E-08	6.81E-04	2.37E-05	8.41E-03	9.80E-03	4.40E-02	5.11E-02	8.71E-04	1.06E-01
299	488617.32	3858009.41	2.15836	1.42923	7.1041	0.28779	8.72E-03	4.26E-02	4.53E-02	9.09E-04	9.76E-02	7.94E-03	4.61E-08	6.04E-04	2.48E-05	8.56E-03	1.01E-02	4.26E-02	4.53E-02	9.09E-04	9.90E-02
300	488667.32	3858009.41	2.15889	1.42396	6.3228	0.31305	8.73E-03	4.25E-02	4.03E-02	9.88E-04	9.25E-02	7.94E-03	4.59E-08	5.38E-04	2.70E-05	8.50E-03	1.01E-02	4.25E-02	4.03E-02	9.88E-04	9.39E-02
301	488717.32	3858009.41	2.15188	1.42538	5.7334	0.32516	8.70E-03	4.25E-02	3.66E-02	1.03E-03	8.88E-02	7.91E-03	4.59E-08	4.88E-04	2.80E-05	8.43E-03	1.01E-02	4.25E-02	3.66E-02	1.03E-03	9.02E-02

302	488767.32	3858009.41	2.13732	1.45497	5.2657	0.34227	8.64E-03	4.34E-02	3.36E-02	1.08E-03	8.67E-02	7.86E-03	4.69E-08	4.48E-04	2.95E-05	8.34E-03	1.00E-02	4.34E-02	3.36E-02	1.08E-03	8.81E-02
303	488417.32	3858059.41	2.43971	1.49544	12.478	0.31158	9.86E-03	4.46E-02	7.96E-02	9.84E-04	1.35E-01	8.97E-03	4.82E-08	1.06E-03	2.68E-05	1.01E-02	1.14E-02	4.46E-02	7.96E-02	9.84E-04	1.37E-01
304	488467.32	3858059.41	2.25489	1.50825	10.494	0.30577	9.11E-03	4.50E-02	6.69E-02	9.65E-04	1.22E-01	8.29E-03	4.86E-08	8.93E-04	2.63E-05	9.21E-03	1.05E-02	4.50E-02	6.69E-02	9.65E-04	1.23E-01
305	488517.32	3858059.41	2.17509	1.52759	9.2151	0.31312	8.79E-03	4.56E-02	5.88E-02	9.89E-04	1.14E-01	8.00E-03	4.92E-08	7.84E-04	2.70E-05	8.81E-03	1.02E-02	4.56E-02	5.88E-02	9.89E-04	1.16E-01
306	488567.32	3858059.41	2.11574	1.53778	8.0388	0.31608	8.55E-03	4.59E-02	5.13E-02	9.98E-04	1.07E-01	7.78E-03	4.96E-08	6.84E-04	2.72E-05	8.49E-03	9.89E-03	4.59E-02	5.13E-02	9.98E-04	1.08E-01
307	488617.32	3858059.41	2.02845	1.49207	7.1646	0.33749	8.20E-03	4.45E-02	4.57E-02	1.07E-03	9.95E-02	7.46E-03	4.81E-08	6.09E-04	2.91E-05	8.10E-03	9.49E-03	4.45E-02	4.57E-02	1.07E-03	1.01E-01
308	488667.32	3858059.41	2.00601	1.47108	6.4249	0.33183	8.11E-03	4.39E-02	4.10E-02	1.05E-03	9.40E-02	7.38E-03	4.74E-08	5.46E-04	2.86E-05	7.95E-03	9.38E-03	4.39E-02	4.10E-02	1.05E-03	9.53E-02
309	488417.32	3858109.41	2.33225	1.57615	13.856	0.34753	9.43E-03	4.70E-02	8.84E-02	1.10E-03	1.46E-01	8.57E-03	5.08E-08	1.18E-03	2.99E-05	9.78E-03	1.09E-02	4.70E-02	8.84E-02	1.10E-03	1.47E-01
310	488467.32	3858109.41	2.36392	1.58047	10.947	0.35145	9.56E-03	4.72E-02	6.98E-02	1.11E-03	1.28E-01	8.69E-03	5.09E-08	9.31E-04	3.03E-05	9.65E-03	1.11E-02	4.72E-02	6.98E-02	1.11E-03	1.29E-01
311	488517.32	3858109.41	2.20434	1.60305	9.5366	0.36121	8.91E-03	4.78E-02	6.08E-02	1.14E-03	1.19E-01	8.10E-03	5.17E-08	8.11E-04	3.11E-05	8.95E-03	1.03E-02	4.78E-02	6.08E-02	1.14E-03	1.20E-01
312	488567.32	3858109.41	2.11346	1.60659	8.0641	0.33276	8.54E-03	4.79E-02	5.14E-02	1.05E-03	1.09E-01	7.77E-03	5.18E-08	6.86E-04	2.87E-05	8.48E-03	9.88E-03	4.79E-02	5.14E-02	1.05E-03	1.10E-01
313	488617.32	3858109.41	2.0632	1.57552	7.331	0.32359	8.34E-03	4.70E-02	4.68E-02	1.02E-03	1.03E-01	7.59E-03	5.08E-08	6.23E-04	2.79E-05	8.24E-03	9.65E-03	4.70E-02	4.68E-02	1.02E-03	1.04E-01
314	488667.32	3858109.41	1.96236	1.56593	6.3396	0.32557	7.93E-03	4.67E-02	4.04E-02	1.03E-03	9.61E-02	7.21E-03	5.05E-08	5.39E-04	2.80E-05	7.78E-03	9.18E-03	4.67E-02	4.04E-02	1.03E-03	9.74E-02
315	488769.93	3858449.27	1.79559	2.02177	3.5752	0.35104	7.26E-03	6.03E-02	2.28E-02	1.11E-03	9.15E-02	6.60E-03	6.52E-08	3.04E-04	3.02E-05	6.94E-03	8.40E-03	6.03E-02	2.28E-02	1.11E-03	9.26E-02
316	488819.93	3858449.27	1.69197	2.00706	3.8172	0.38212	6.84E-03	5.99E-02	2.43E-02	1.21E-03	9.23E-02	6.22E-03	6.47E-08	3.25E-04	3.29E-05	6.58E-03	7.91E-03	5.99E-02	2.43E-02	1.21E-03	9.33E-02
317	488819.93	3858499.27	1.76441	2.10663	3.127	0.41884	7.13E-03	6.28E-02	1.99E-02	1.32E-03	9.12E-02	6.49E-03	6.79E-08	2.66E-04	3.61E-05	6.79E-03	8.25E-03	6.28E-02	1.99E-02	1.32E-03	9.24E-02
318	488869.93	3858499.27	1.63937	2.08372	3.0174	0.41378	6.63E-03	6.22E-02	1.92E-02	1.31E-03	8.93E-02	6.03E-03	6.72E-08	2.57E-04	3.56E-05	6.32E-03	7.67E-03	6.22E-02	1.92E-02	1.31E-03	9.04E-02
319	488869.93	3858549.27	1.72105	2.2547	2.6755	0.4006	6.96E-03	6.73E-02	1.71E-02	1.26E-03	9.26E-02	6.33E-03	7.27E-08	2.28E-04	3.45E-05	6.59E-03	8.05E-03	6.73E-02	1.71E-02	1.26E-03	9.36E-02
320	489438.17	3859571.48	1.17731	3.21085	0.9366	0.43539	4.76E-03	9.58E-02	5.97E-03	1.37E-03	1.08E-01	4.33E-03	1.03E-07	7.97E-05	3.75E-05	4.45E-03	5.51E-03	9.58E-02	5.97E-03	1.37E-03	1.09E-01
321	489488.17	3859571.48	1.20156	3.11838	0.9826	0.42782	4.86E-03	9.30E-02	6.27E-03	1.35E-03	1.06E-01	4.42E-03	1.01E-07	8.36E-05	3.68E-05	4.54E-03	5.62E-03	9.30E-02	6.27E-03	1.35E-03	1.06E-01
322	489538.17	3859571.48	1.28914	3.02944	0.9543	0.42831	5.21E-03	9.04E-02	6.09E-03	1.35E-03	1.03E-01	4.74E-03	9.76E-08	8.12E-05	3.69E-05	4.86E-03	6.03E-03	9.04E-02	6.09E-03	1.35E-03	1.04E-01
323	489588.17	3859571.48	1.2948	2.95106	1.0475	0.42739	5.23E-03	8.80E-02	6.68E-03	1.35E-03	1.01E-01	4.76E-03	9.51E-08	8.91E-05	3.68E-05	4.89E-03	6.06E-03	8.80E-02	6.68E-03	1.35E-03	1.02E-01
324	489438.17	3859621.48	1.12833	3.16082	0.9099	0.47378	4.56E-03	9.43E-02	5.80E-03	1.50E-03	1.06E-01	4.15E-03	1.02E-07	7.74E-05	4.08E-05	4.27E-03	5.28E-03	9.43E-02	5.80E-03	1.50E-03	1.07E-01
325	489488.17	3859621.48	1.1509	3.09424	0.9039	0.47646	4.65E-03	9.23E-02	5.77E-03	1.50E-03	1.04E-01	4.23E-03	9.97E-08	7.69E-05	4.10E-05	4.35E-03	5.38E-03	9.23E-02	5.77E-03	1.50E-03	1.05E-01
326	489538.17	3859621.48	1.16908	3.02713	0.9577	0.45228	4.73E-03	9.03E-02	6.11E-03	1.43E-03	1.03E-01	4.30E-03	9.76E-08	8.15E-05	3.89E-05	4.42E-03	5.47E-03	9.03E-02	6.11E-03	1.43E-03	1.03E-01
327	489588.17	3859621.48	1.2573	2.95343	0.9861	0.42463	5.08E-03	8.81E-02	6.29E-03	1.34E-03	1.01E-01	4.62E-03	9.52E-08	8.39E-05	3.66E-05	4.74E-03	5.88E-03	8.81E-02	6.29E-03	1.34E-03	1.02E-01
328	489238.17	3859671.48	1.26132	3.33205	0.9457	0.59351	5.10E-03	9.94E-02	6.03E-03	1.87E-03	1.12E-01	4.64E-03	1.07E-07	8.04E-05	5.11E-05	4.77E-03	5.90E-03	9.94E-02	6.03E-03	1.87E-03	1.13E-01
329	489288.17	3859671.48	1.25525	3.28979	1.0155	0.56442	5.07E-03	9.81E-02	6.48E-03	1.78E-03	1.11E-01	4.61E-03	1.06E-07	8.64E-05	4.86E-05	4.75E-03	5.87E-03	9.81E-02	6.48E-03	1.78E-03	1.12E-01
330	489338.17	3859671.48	1.20817	3.23992	0.9483	0.53338	4.88E-03	9.67E-02	6.05E-03	1.68E-03	1.09E-01	4.44E-03	1.04E-07	8.06E-05	4.59E-05	4.57E-03	5.65E-03	9.67E-02	6.05E-03	1.68E-03	1.10E-01
331	489388.17	3859671.48	1.21165	3.17945	0.8939	0.50398	4.90E-03	9.49E-02	5.70E-03	1.59E-03	1.07E-01	4.45E-03	1.02E-07	7.60E-05	4.34E-05	4.57E-03	5.67E-03	9.49E-02	5.70E-03	1.59E-03	1.08E-01
332	489438.17	3859671.48	1.17541	3.12941	0.9424	0.47764	4.75E-03	9.34E-02	6.01E-03	1.51E-03	1.06E-01	4.32E-03	1.01E-07	8.01E-05	4.11E-05	4.44E-03	5.50E-03	9.34E-02	6.01E-03	1.51E-03	1.06E-01
333	489488.17	3859671.48	1.1062	3.06072	0.8664	0.45256	4.47E-03	9.13E-02	5.53E-03	1.43E-03	1.03E-01	4.07E-03	9.86E-08	7.37E-05	3.90E-05	4.18E-03	5.17E-03	9.13E-02	5.53E-03	1.43E-03	1.03E-01
334	489538.17	3859671.48	1.12942	2.99417	0.933	0.4303	4.57E-03	8.93E-02	5.95E-03	1.36E-03	1.01E-01	4.15E-03	9.65E-08	7.94E-05	3.71E-05	4.27E-03	5.28E-03	8.93E-02	5.95E-03	1.36E-03	1.02E-01
335	489588.17	3859671.48	1.14302	2.9214	0.9389	0.41306	4.62E-03	8.72E-02	5.99E-03	1.30E-03	9.91E-02	4.20E-03	9.42E-08	7.98E-05	3.56E-05	4.32E-03	5.35E-03	8.72E-02	5.99E-03	1.30E-03	9.98E-02
336	489238.17	3859721.48	1.16293	3.25433	0.9736	0.56412	4.70E-03	9.71E-02	6.21E-03	1.78E-03	1.10E-01	4.28E-03	1.05E-07	8.28E-05	4.86E-05	4.41E-03	5.44E-03	9.71E-02	6.21E-03	1.78E-03	1.11E-01
337	489288.17	3859721.48	1.24093	3.1187	0.9326	0.53303	5.02E-03	9.30E-02	5.95E-03	1.68E-03	1.06E-01	4.56E-03	1.01E-07	7.93E-05	4.59E-05	4.69E-03	5.80E-03	9.30E-02	5.95E-03	1.68E-03	1.06E-01
338	489338.17	3859721.48	1.23419	3.07499	1.0258	0.51055	4.99E-03	9.17E-02	6.54E-03	1.61E-03	1.05E-01	4.54E-03	9.91E-08	8.72E-05	4.40E-05	4.67E-03	5.77E-03	9.17E-02	6.54E-03	1.61E-03	1.06E-01
339	489388.17	3859721.48	1.18703	3.03142	0.9586	0.50094	4.80E-03	9.04E-02	6.11E-03	1.58E-03	1.03E-01	4.36E-03	9.77E-08	8.15E-05	4.31E-05	4.49E-03	5.55E-03	9.04E-02	6.11E-03	1.58E-03	1.04E-01
340	489438.17	3859721.48	1.18662	2.98903	0.9033	0.46987	4.80E-03	8.92E-02	5.76E-03	1.48E-03	1.01E-01	4.36E-03	9.63E-08	7.68E-05	4.05E-05	4.48E-03	5.55E-03	8.92E-02	5.76E-03	1.48E-03	1.02E-01
341	489488.17	3859721.48	1.15722	2.92939	0.9658	0.45473	4.68E-03	8.74E-02	6.16E-03	1.44E-03	9.97E-02	4.25E-03	9.44E-08	8.21E-05	3.92E-05	4.38E-03	5.41E-03	8.74E-02	6.16E-03	1.44E-03	1.00E-01
342	489538.17	3859721.48	1.08587	2.87383	0.8756	0.42523	4.39E-03	8.57E-02	5.59E-03	1.34E-03	9.71E-02	3.99E-03	9.26E-08	7.45E-05	3.66E-05	4.10E-03	5.08E-03	8.57E-02	5.59E-03	1.34E-03	9.77E-02
343	489588.17	3859721.48	1.10927	2.81723	0.92	0.40776	4.48E-03	8.40E-02	5.87E-03	1.29E-03	9.57E-02	4.08E-03	9.08E-08	7.82E-05	3.51E-05	4.19E-03	5.19E-03	8.40E-02	5.87E-03	1.29E-03	9.64E-02
344	489238.17	3859771.48	1.17958	3.28397	1.0198	0.60775	4.77E-03	9.80E-02	6.50E-03	1.92E-03	1.11E-01	4.34E-03	1.06E-07	8.67E-05	5.23E-05	4.48E-03	5.52E-03	9.80E-02	6.50E-03	1.92E-03	1.12E-01
345	489288.17	3859771.48	1.14674	3.17646	0.9962	0.57379	4.64E-03	9.48E-02	6.35E-03	1.81E-03	1.08E-01	4.22E-03	1.02E-07	8.47E-05	4.94E-05	4.35E-03	5.36E-03	9.48E-02	6.35E-03	1.81E-03	1.08E-01
346	489338.17	3859771.48	1.21847	3.0452	0.9985	0.55751	4.93E-03	9.08E-02	6.37E-03	1.76E-03	1.04E-01	4.48E-03	9.81E-08	8.49E-05	4.80E-05	4.61E-03	5.70E-03	9.08E-02	6.37E-03	1.76E-03	1.05E-01
347	489388.17	3859771.48	1.21055	2.9253	1.0289	0.52308	4.89E-03	8.73E-02	6.56E-03	1.65E-03	1.00E-01	4.45E-03	9.43E-08	8.75E-05	4.50E-05	4.58E-03	5.66E-03	8.73E-02	6.56E-03	1.65E-03	1.01E-01
348	489438.17	3859771.48	1.16305	2.88231	0.9619	0.49056	4.70E-03	8.60E-02	6.14E-03	1.55E-03	9.84E-02	4.28E-03	9.29E-08	8.18E-05	4.22E-05	4.40E-03	5.44E-03	8.60E-02	6.14E-03	1.55E-03	9.91E-02
349	489488.17	3859771.48	1.16751	2.81834	0.9197	0.46264	4.72E-03	8.41E-02	5.87E-03	1.46E-03	9.61E-02	4.29E-03	9.08E-08	7.82E-05	3.98E-05	4.41E-03	5.46E-03	8.41E-02	5.87E-03	1.46E-03	9.69E-02
350	489538.17	3859771.48	1.14042	2.76043	0.9896	0.43812	4.61E-03	8.24E-02	6.31E-03	1.38E-03	9.47E-02	4.19E-03	8.90E-08	8.42E-05	3.77E-05	4.31E-03	5.33E-03	8.24E-02	6.31E-03	1.38E-03	9.54E-02
351	489588.17	3859771.48	1.06633	2.71699	0.8998	0.4241	4.31E-03	8.11E-02	5.74E-03	1.34E-03	9.24E-02	3.92E-03	8.76E-08	7.65E-05	3.65E-05	4.03E-03	4.99E-03	8.11E-02	5.74E-03	1.34E-03	9.31E-02
352	489238.17	3859821.48	1.17869	3.15333	0.9434	0.6765	4.76E-03	9.41E-02	6.02E-03	2.14E-03	1.07E-01	4.33E-03	1.02E-07	8.02E-05	5.83E-05	4.47E-03	5.51E-03	9.41E-02	6.02E-03	2.14E-03	1.08E-01
353	489288.17	3859821.48	1.15542	3.10983	1.055	0.62278	4.67E-03	9.28E-02	6.73E-03	1.97E-03	1.06E-01	4.25E-03	1.00E-07	8.97E-05	5.36E-05	4.39E-03	5.40E-03	9.28E-02	6.73E-03	1.97E-03	1.07E-01
354	489338.17	3859821.48	1.12765	3.09115	1.001	0.59213	4.56E-03	9.22E-02	6.38E-03	1.87E-03	1.05E-01	4.15E-03	9.96E-08	8.51E-05	5.10E-05	4.28E-03	5.27E-03	9.22E-02	6.38E-03	1.87E-03	1.06E-01
355	489388.17	3859821.48	1.1982	2.99682	1.0652	0.56119	4.84E-03	8.94E-02	6.79E-03	1.77E-03	1.03E-01	4.41E-03	9.66E-08	9.06E-05	4.83E-05	4.54E-03	5.60E-03	8.94E-02	6.79E-03	1.77E-03	1.04E-01
356	489438.17	3859821.48	1.19116	2.87145	1.0337	0.53288	4.81E-03	8.57E-02	6.59E-03	1.68E-03	9.88E-02	4.38E-03	9.25E-08	8.79E-05	4.59E-05	4.51E-03	5.57E-03	8.57E-02	6.59E-03	1.68E-03	9.95E-02
357	489488.17	3859821.48	1.14796	2.74749	0.9746	0.50225	4.64E-03	8.20E-02	6.22E-03	1.59E-03	9.44E-02	4.22E-03	8.86E-08	8.29E-05	4.32E-05	4.35E-03	5.37E-03	8.20E-02	6.22E-03	1.59E-03	9.51E-02
358	489538.17	3859821.48	1.15038	2.68649	0.9476	0.4781	4.65E-03	8.01E-02	6.04E-03	1.51E-03	9.24E-02	4.23E-03	8.66E-08	8.06E-05	4.12E-05	4.35E-03	5.38E-03	8.01E-02	6.04E-03	1.51E-03	9.31E-02
359	489588.17	3859821.48	1.12287	2.64003	1.0116	0.45881	4.54E-03	7.88E-02	6.45E-03	1.45E-03	9.12E-02	4.13E-03	8.51E-08	8.60E-05	3.95E-05	4.25E-03	5.25E-03	7.88E-02	6.45E-03	1.45E-03	9.19E-02
360	489238.17	3859871.48	1.11529	3.15251	0.9105	0.79024	4.51E-03	9.40E-02	5.81E-03	2.50E-03	1.07E-01	4.10E-03	1.02E-07	7.74E-05	6.80E-05	4.25E-03	5.22E-03	9.41E-02	5.81E-03	2.50E-03	1.08E-01
361	489288.17	3859871.48	1.16397	3.05924	1.035	0.75079	4.71E-03	9.13E-02	6.60E-03	2.37E-03	1.05E-01	4.28E-03	9.86E-08	8.80E-05	6.47E-05	4.43E-03	5.44E-03	9.13E-02	6.60E-03	2.37E-03	1.06E-01
362	489338.17	3859871.48	1.12975	2.97539	1.0735	0.71349	4.57E-03	8.88E-02	6.85E-03	2.25E-03	1.02E-01	4.15E-03	9.59E-08	9.13E-05	6.14E-05	4.31E-03	5.28E-03	8.88E-02	6.85E-03	2.25E-03	1.03E-01

363	489388.17	3859871.48	1.11241	2.91288	1.0128	0.68655	4.50E-03	8.69E-02	6.46E-03	2.17E-03	1.00E-01	4.09E-03	9.39E-08	8.61E-05	5.91E-05	4.24E-03	5.20E-03	8.69E-02	6.46E-03	2.17E-03	1.01E-01
364	489438.17	3859871.48	1.18582	2.8483	1.109	0.64519	4.79E-03	8.50E-02	7.07E-03	2.04E-03	9.89E-02	4.36E-03	9.18E-08	9.43E-05	5.56E-05	4.51E-03	5.55E-03	8.50E-02	7.07E-03	2.04E-03	9.96E-02
365	489488.17	3859871.48	1.18031	2.77119	1.0483	0.60754	4.77E-03	8.27E-02	6.69E-03	1.92E-03	9.60E-02	4.34E-03	8.93E-08	8.92E-05	5.23E-05	4.48E-03	5.52E-03	8.27E-02	6.69E-03	1.92E-03	9.68E-02
366	489538.17	3859871.48	1.13328	2.73373	0.9866	0.56705	4.58E-03	8.16E-02	6.29E-03	1.79E-03	9.42E-02	4.17E-03	8.81E-08	8.39E-05	4.88E-05	4.30E-03	5.30E-03	8.16E-02	6.29E-03	1.79E-03	9.49E-02
367	489588.17	3859871.48	1.13335	2.61598	0.9748	0.53103	4.58E-03	7.80E-02	6.22E-03	1.68E-03	9.05E-02	4.17E-03	8.43E-08	8.29E-05	4.57E-05	4.30E-03	5.30E-03	7.80E-02	6.22E-03	1.68E-03	9.12E-02
368	489238.17	3859921.48	1.02811	3.18522	0.8938	0.85511	4.16E-03	9.50E-02	5.70E-03	2.70E-03	1.08E-01	3.78E-03	1.03E-07	7.60E-05	7.36E-05	3.93E-03	4.81E-03	9.50E-02	5.70E-03	2.70E-03	1.08E-01
369	489288.17	3859921.48	1.10579	2.97723	0.953	0.82677	4.47E-03	8.88E-02	6.08E-03	2.61E-03	1.02E-01	4.07E-03	9.60E-08	8.10E-05	7.12E-05	4.22E-03	5.17E-03	8.88E-02	6.08E-03	2.61E-03	1.03E-01
370	489338.17	3859921.48	1.15308	2.88788	1.1374	0.79767	4.66E-03	8.62E-02	7.25E-03	2.52E-03	1.01E-01	4.24E-03	9.31E-08	9.67E-05	6.87E-05	4.40E-03	5.39E-03	8.62E-02	7.25E-03	2.52E-03	1.01E-01
371	489388.17	3859921.48	1.11432	2.82586	1.1264	0.77295	4.50E-03	8.43E-02	7.18E-03	2.44E-03	9.84E-02	4.10E-03	9.11E-08	9.58E-05	6.66E-05	4.26E-03	5.21E-03	8.43E-02	7.18E-03	2.44E-03	9.91E-02
372	489438.17	3859921.48	1.10747	2.75229	1.0772	0.74404	4.48E-03	8.21E-02	6.87E-03	2.35E-03	9.58E-02	4.07E-03	8.87E-08	9.16E-05	6.41E-05	4.23E-03	5.18E-03	8.21E-02	6.87E-03	2.35E-03	9.65E-02
373	489488.17	3859921.48	1.17571	2.64051	1.1184	0.69831	4.75E-03	7.88E-02	7.13E-03	2.20E-03	9.29E-02	4.32E-03	8.51E-08	9.51E-05	6.01E-05	4.48E-03	5.50E-03	7.88E-02	7.13E-03	2.20E-03	9.36E-02
374	489538.17	3859921.48	1.16229	2.6007	1.0501	0.66289	4.70E-03	7.76E-02	6.70E-03	2.09E-03	9.11E-02	4.27E-03	8.38E-08	8.93E-05	5.71E-05	4.42E-03	5.44E-03	7.76E-02	6.70E-03	2.09E-03	9.18E-02
375	489588.17	3859921.48	1.12009	2.55707	1.0014	0.63002	4.53E-03	7.63E-02	6.39E-03	1.99E-03	8.92E-02	4.12E-03	8.24E-08	8.52E-05	5.43E-05	4.26E-03	5.24E-03	7.63E-02	6.39E-03	1.99E-03	8.99E-02
376	489238.17	3859971.48	0.96992	3.2158	0.8749	0.65448	3.92E-03	9.59E-02	5.58E-03	2.07E-03	1.08E-01	3.57E-03	1.04E-07	7.44E-05	5.64E-05	3.70E-03	4.54E-03	9.59E-02	5.58E-03	2.07E-03	1.08E-01
377	489288.17	3859971.48	1.02052	3.08892	0.8854	0.67256	4.13E-03	9.22E-02	5.65E-03	2.12E-03	1.04E-01	3.75E-03	9.96E-08	7.53E-05	5.79E-05	3.89E-03	4.77E-03	9.22E-02	5.65E-03	2.12E-03	1.05E-01
378	489338.17	3859971.48	1.09565	2.95364	1.0615	0.68636	4.43E-03	8.81E-02	6.77E-03	2.17E-03	1.01E-01	4.03E-03	9.52E-08	9.03E-05	5.91E-05	4.18E-03	5.12E-03	8.81E-02	6.77E-03	2.17E-03	1.02E-01
379	489388.17	3859971.48	1.14286	2.78904	1.221	0.69444	4.62E-03	8.32E-02	7.79E-03	2.19E-03	9.78E-02	4.20E-03	8.99E-08	1.04E-04	5.98E-05	4.37E-03	5.34E-03	8.32E-02	7.79E-03	2.19E-03	9.85E-02
380	489438.17	3859971.48	1.10525	2.66402	1.2341	0.6999	4.47E-03	7.95E-02	7.87E-03	2.21E-03	9.40E-02	4.06E-03	8.59E-08	1.05E-04	6.03E-05	4.23E-03	5.17E-03	7.95E-02	7.87E-03	2.21E-03	9.47E-02
381	489488.17	3859971.48	1.10663	2.51818	1.1858	0.69963	4.47E-03	7.51E-02	7.56E-03	2.21E-03	8.94E-02	4.07E-03	8.12E-08	1.01E-04	6.02E-05	4.23E-03	5.18E-03	7.51E-02	7.56E-03	2.21E-03	9.01E-02
382	489538.17	3859971.48	1.17609	2.41511	1.124	0.6932	4.75E-03	7.21E-02	7.17E-03	2.19E-03	8.62E-02	4.32E-03	7.78E-08	9.56E-05	5.97E-05	4.48E-03	5.50E-03	7.21E-02	7.17E-03	2.19E-03	8.69E-02
383	489588.17	3859971.48	1.16323	2.28449	1.0568	0.6847	4.70E-03	6.82E-02	6.74E-03	2.16E-03	8.18E-02	4.28E-03	7.36E-08	8.99E-05	5.90E-05	4.43E-03	5.44E-03	6.82E-02	6.74E-03	2.16E-03	8.25E-02
384	483577.7	3854071	2.74435	0.37781	0.2345	0.18975	1.11E-02	1.13E-02	1.50E-03	5.99E-04	2.45E-02	1.01E-02	1.22E-08	1.99E-05	1.63E-05	1.01E-02	1.28E-02	1.13E-02	1.50E-03	5.99E-04	2.62E-02
385	483627.7	3854071	2.86504	0.37125	0.2265	0.18914	1.16E-02	1.11E-02	1.44E-03	5.97E-04	2.47E-02	1.05E-02	1.20E-08	1.93E-05	1.63E-05	1.06E-02	1.34E-02	1.11E-02	1.44E-03	5.97E-04	2.65E-02
386	483677.7	3854071	2.91129	0.36255	0.2174	0.21296	1.18E-02	1.08E-02	1.39E-03	6.72E-04	2.46E-02	1.07E-02	1.17E-08	1.85E-05	1.83E-05	1.07E-02	1.36E-02	1.08E-02	1.39E-03	6.72E-04	2.65E-02
387	483727.7	3854071	2.90691	0.35118	0.2075	0.19254	1.18E-02	1.05E-02	1.32E-03	6.08E-04	2.42E-02	1.07E-02	1.13E-08	1.77E-05	1.66E-05	1.07E-02	1.36E-02	1.05E-02	1.32E-03	6.08E-04	2.60E-02
388	483777.7	3854071	2.82946	0.3394	0.1969	0.19097	1.14E-02	1.01E-02	1.26E-03	6.03E-04	2.34E-02	1.04E-02	1.09E-08	1.67E-05	1.64E-05	1.04E-02	1.32E-02	1.01E-02	1.26E-03	6.03E-04	2.52E-02
389	483577.7	3854121	2.84491	0.3831	0.2445	0.19684	1.15E-02	1.14E-02	1.56E-03	6.21E-04	2.51E-02	1.05E-02	1.23E-08	2.08E-05	1.69E-05	1.05E-02	1.33E-02	1.14E-02	1.56E-03	6.21E-04	2.69E-02
390	483627.7	3854121	2.82946	0.37347	0.2375	0.20335	1.14E-02	1.11E-02	1.52E-03	6.42E-04	2.47E-02	1.04E-02	1.20E-08	2.02E-05	1.75E-05	1.04E-02	1.32E-02	1.11E-02	1.52E-03	6.42E-04	2.65E-02
391	483677.7	3854121	2.96175	0.36047	0.2294	0.21259	1.20E-02	1.08E-02	1.46E-03	6.71E-04	2.49E-02	1.09E-02	1.16E-08	1.95E-05	1.83E-05	1.09E-02	1.39E-02	1.08E-02	1.46E-03	6.71E-04	2.67E-02
392	483727.7	3854121	2.99695	0.33582	0.2203	0.19336	1.21E-02	1.00E-02	1.41E-03	6.11E-04	2.41E-02	1.10E-02	1.08E-08	1.87E-05	1.67E-05	1.11E-02	1.40E-02	1.00E-02	1.41E-03	6.11E-04	2.61E-02
393	483777.7	3854121	3.15086	0.32746	0.2104	0.1966	1.27E-02	9.77E-03	1.34E-03	6.21E-04	2.45E-02	1.16E-02	1.06E-08	1.79E-05	1.69E-05	1.16E-02	1.47E-02	9.77E-03	1.34E-03	6.21E-04	2.65E-02
394	483577.7	3854171	2.96675	0.37939	0.2532	0.21822	1.20E-02	1.13E-02	1.61E-03	6.89E-04	2.56E-02	1.09E-02	1.22E-08	2.15E-05	1.88E-05	1.09E-02	1.39E-02	1.13E-02	1.61E-03	6.89E-04	2.75E-02
395	483627.7	3854171	2.92911	0.36596	0.2474	0.23468	1.18E-02	1.09E-02	1.58E-03	7.41E-04	2.51E-02	1.08E-02	1.18E-08	2.10E-05	2.02E-05	1.08E-02	1.37E-02	1.09E-02	1.58E-03	7.41E-04	2.69E-02
396	483677.7	3854171	2.90622	0.35385	0.2405	0.19017	1.17E-02	1.06E-02	1.53E-03	6.00E-04	2.44E-02	1.07E-02	1.14E-08	2.05E-05	1.64E-05	1.07E-02	1.36E-02	1.06E-02	1.53E-03	6.00E-04	2.63E-02
397	483727.7	3854171	3.23798	0.33356	0.2324	0.19413	1.31E-02	9.95E-03	1.48E-03	6.13E-04	2.51E-02	1.19E-02	1.08E-08	1.98E-05	1.67E-05	1.19E-02	1.51E-02	9.95E-03	1.48E-03	6.13E-04	2.72E-02
398	483777.7	3854171	3.31182	0.31136	0.2233	0.22905	1.34E-02	9.29E-03	1.42E-03	7.23E-04	2.48E-02	1.22E-02	1.00E-08	1.90E-05	1.97E-05	1.22E-02	1.55E-02	9.29E-03	1.42E-03	7.23E-04	2.69E-02
399	483827.7	3854171	3.33643	0.29867	0.2133	0.22007	1.35E-02	8.91E-03	1.36E-03	6.95E-04	2.45E-02	1.23E-02	9.63E-09	1.81E-05	1.90E-05	1.23E-02	1.56E-02	8.91E-03	1.36E-03	6.95E-04	2.66E-02
400	483877.7	3854171	3.21139	0.29353	0.2025	0.21604	1.30E-02	8.76E-03	1.29E-03	6.82E-04	2.37E-02	1.18E-02	9.46E-09	1.72E-05	1.86E-05	1.18E-02	1.50E-02	8.76E-03	1.29E-03	6.82E-04	2.57E-02
401	483727.7	3854221	3.1907	0.33355	0.2435	0.24087	1.29E-02	9.95E-03	1.55E-03	7.61E-04	2.52E-02	1.17E-02	1.08E-08	2.07E-05	2.07E-05	1.18E-02	1.49E-02	9.95E-03	1.55E-03	7.61E-04	2.72E-02
402	483777.7	3854221	3.37494	0.30882	0.2355	0.23333	1.36E-02	9.21E-03	1.50E-03	7.37E-04	2.51E-02	1.24E-02	9.95E-09	2.00E-05	2.01E-05	1.24E-02	1.58E-02	9.21E-03	1.50E-03	7.37E-04	2.72E-02
403	483827.7	3854221	3.42745	0.30005	0.2264	0.22509	1.39E-02	8.95E-03	1.44E-03	7.11E-04	2.50E-02	1.26E-02	9.67E-09	1.93E-05	1.94E-05	1.26E-02	1.60E-02	8.95E-03	1.44E-03	7.11E-04	2.71E-02
404	483877.7	3854221	3.41571	0.29029	0.2164	0.21725	1.38E-02	8.66E-03	1.38E-03	6.86E-04	2.45E-02	1.26E-02	9.36E-09	1.84E-05	1.87E-05	1.26E-02	1.60E-02	8.66E-03	1.38E-03	6.86E-04	2.67E-02
405	489150.19	3858726.45	1.46626	2.49128	1.8154	0.36657	5.93E-03	7.43E-02	1.16E-02	1.16E-03	9.30E-02	5.39E-03	8.03E-08	1.54E-04	3.16E-05	5.58E-03	6.86E-03	7.43E-02	1.16E-02	1.16E-03	9.39E-02
406	489200.19	3858726.45	1.42568	2.37819	1.8454	0.35113	5.76E-03	7.09E-02	1.18E-02	1.11E-03	8.96E-02	5.24E-03	7.67E-08	1.57E-04	3.02E-05	5.43E-03	6.67E-03	7.09E-02	1.18E-02	1.11E-03	9.05E-02
407	489150.19	3858776.45	1.51059	2.64029	1.701	0.36343	6.11E-03	7.88E-02	1.08E-02	1.15E-03	9.69E-02	5.55E-03	8.51E-08	1.45E-04	3.13E-05	5.73E-03	7.06E-03	7.88E-02	1.08E-02	1.15E-03	9.78E-02
408	489200.19	3858776.45	1.44616	2.53415	1.7054	0.35999	5.85E-03	7.56E-02	1.09E-02	1.14E-03	9.35E-02	5.32E-03	8.17E-08	1.45E-04	3.10E-05	5.49E-03	6.76E-03	7.56E-02	1.09E-02	1.14E-03	9.44E-02
409	488919.6	3856400.76	3.15624	0.56031	1.2144	0.24339	1.28E-02	1.67E-02	7.75E-03	7.68E-04	3.80E-02	1.16E-02	1.81E-08	1.03E-04	2.10E-05	1.17E-02	1.48E-02	1.67E-02	7.75E-03	7.68E-04	4.00E-02
410	488919.6	3856450.76	3.21807	0.57069	1.2269	0.24184	1.30E-02	1.70E-02	7.83E-03	7.64E-04	3.86E-02	1.18E-02	1.84E-08	1.04E-04	2.08E-05	1.20E-02	1.50E-02	1.70E-02	7.83E-03	7.64E-04	4.07E-02
411	488969.6	3856450.76	3.17589	0.56564	0.9909	0.2392	1.28E-02	1.69E-02	6.32E-03	7.55E-04	3.68E-02	1.17E-02	1.82E-08	8.43E-05	2.06E-05	1.18E-02	1.49E-02	1.69E-02	6.32E-03	7.55E-04	3.88E-02
412	488919.6	3856500.76	3.27581	0.59465	1.1277	0.23872	1.32E-02	1.77E-02	7.19E-03	7.54E-04	3.89E-02	1.20E-02	1.92E-08	9.59E-05	2.06E-05	1.22E-02	1.53E-02	1.77E-02	7.19E-03	7.54E-04	4.10E-02
413	488969.6	3856500.76	3.23346	0.58481	1.0737	0.23973	1.31E-02	1.74E-02	6.85E-03	7.57E-04	3.81E-02	1.19E-02	1.88E-08	9.13E-05	2.06E-05	1.20E-02	1.51E-02	1.74E-02	6.85E-03	7.57E-04	4.02E-02
414	488919.6	3856550.76	3.33019	0.62358	1.0614	0.23231	1.35E-02	1.86E-02	6.77E-03	7.33E-04	3.96E-02	1.22E-02	2.01E-08	9.03E-05	2.00E-05	1.24E-02	1.56E-02	1.86E-02	6.77E-03	7.33E-04	4.17E-02
415	488969.6	3856550.76	3.2871	0.61088	1.0189	0.2421	1.33E-02	1.82E-02	6.50E-03	7.64E-04	3.88E-02	1.21E-02	1.97E-08	8.67E-05	2.08E-05	1.22E-02	1.54E-02	1.82E-02	6.50E-03	7.64E-04	4.09E-02
416	488819.6	3856600.76	3.51419	0.65431	1.0359	0.24066	1.42E-02	1.95E-02	6.61E-03	7.60E-04	4.11E-02	1.29E-02	2.11E-08	8.81E-05	2.07E-05	1.30E-02	1.64E-02	1.95E-02	6.61E-03	7.60E-04	4.33E-02
417	488869.6	3856600.76	3.4449	0.65214	1.1274	0.23844	1.39E-02	1.95E-02	7.19E-03	7.53E-04	4.13E-02	1.27E-02	2.10E-08	9.59E-05	2.05E-05	1.28E-02	1.61E-02	1.95E-02	7.19E-03	7.53E-04	4.35E-02
418	488919.6	3856600.76	3.37941	0.64762	1.0367	0.2445	1.37E-02	1.93E-02	6.61E-03	7.72E-04	4.04E-02	1.24E-02	2.09E-08	8.82E-05	2.11E-05	1.25E-02	1.58E-02	1.93E-02	6.61E-03	7.72E-04	4.25E-02
419	488819.6	3856650.76	3.55414	0.65907	1.043	0.24332	1.44E-02	1.97E-02	6.65E-03	7.68E-04	4.14E-02	1.31E-02	2.12E-08	8.87E-05	2.10E-05	1.32E-02	1.66E-02	1.97E-02	6.65E-03	7.68E-04	4.37E-02
420	488869.6	3856650.76	3.50331	0.65471	1.0634	0.24124	1.42E-02	1.95E-02	6.78E-03	7.62E-04	4.12E-02	1.29E-02	2.11E-08	9.04E-05	2.08E-05	1.30E-02	1.64E-02	1.95E-02	6.78E-03	7.62E-04	4.35E-02
421	488819.6	3856700.76	3.58339	0.67299	1.1302	0.25683	1.45E-02	2.01E-02	7.21E-03	8.11E-04	4.26E-02	1.32E-02	2.17E-08	9.61E-05	2.21E-05	1.33E-02	1.68E-02	2.01E-02	7.21E-03	8.11E-04	4.49E-02
422	488869.6	3856700.76	3.53045	0.66726	0.9533	0.26534	1.43E-02	1.99E-02	6.08E-03	8.38E-04	4.11E-02	1.30E-02	2.15E-08	8.11E-05	2.28E-05	1.31E-02	1.65E-02	1.99E-02	6.08E-03	8.38E-04	4.33E-02
423	488819.6	3856750.76	3.62317	0.70311	1.0964	0.26833	1.46E-02	2.10E-02	6.99E-03	8.47E-04	4.35E-02	1.33E-02	2.27E-08	9.32E-05	2.31E-05	1.34E-02	1.69E-02	2.10E-02	6.99E-03	8.47E-04	4.58E-02

424	488869.6	3856750.76	3.54575	0.70017	1.006	0.29057	1.43E-02	2.09E-02	6.42E-03	9.17E-04	4.26E-02	1.30E-02	2.26E-08	8.56E-05	2.50E-05	1.31E-02	1.66E-02	2.09E-02	6.42E-03	9.17E-04	4.48E-02
425	488819.6	3857050.76	3.35173	0.88213	1.7254	0.30798	1.35E-02	2.63E-02	1.10E-02	9.72E-04	5.18E-02	1.23E-02	2.84E-08	1.47E-04	2.65E-05	1.25E-02	1.57E-02	2.63E-02	1.10E-02	9.72E-04	5.40E-02
426	488869.6	3857050.76	3.27738	0.8795	1.8013	0.3263	1.32E-02	2.62E-02	1.15E-02	1.03E-03	5.20E-02	1.20E-02	2.83E-08	1.53E-04	2.81E-05	1.22E-02	1.53E-02	2.62E-02	1.15E-02	1.03E-03	5.41E-02
427	488919.6	3857050.76	3.20871	0.86839	1.7477	0.31108	1.30E-02	2.59E-02	1.11E-02	9.82E-04	5.10E-02	1.18E-02	2.80E-08	1.49E-04	2.68E-05	1.20E-02	1.50E-02	2.59E-02	1.11E-02	9.82E-04	5.30E-02
428	488819.6	3857100.76	3.25636	0.91077	1.8506	0.33409	1.32E-02	2.72E-02	1.18E-02	1.05E-03	5.32E-02	1.20E-02	2.94E-08	1.57E-04	2.88E-05	1.22E-02	1.52E-02	2.72E-02	1.18E-02	1.05E-03	5.53E-02
429	488869.6	3857100.76	3.19031	0.9024	1.8417	0.31549	1.29E-02	2.69E-02	1.17E-02	9.96E-04	5.26E-02	1.17E-02	2.91E-08	1.57E-04	2.72E-05	1.19E-02	1.49E-02	2.69E-02	1.17E-02	9.96E-04	5.46E-02
430	488919.6	3857100.76	3.12372	0.88596	1.8007	0.30318	1.26E-02	2.64E-02	1.15E-02	9.57E-04	5.15E-02	1.15E-02	2.86E-08	1.53E-04	2.61E-05	1.17E-02	1.46E-02	2.64E-02	1.15E-02	9.57E-04	5.35E-02
431	488819.6	3857150.76	3.09619	0.93825	1.8555	0.30486	1.25E-02	2.80E-02	1.18E-02	9.63E-04	5.33E-02	1.14E-02	3.02E-08	1.58E-04	2.63E-05	1.16E-02	1.45E-02	2.80E-02	1.18E-02	9.63E-04	5.53E-02
432	488869.6	3857150.76	3.04117	0.92503	1.8491	0.28705	1.23E-02	2.76E-02	1.18E-02	9.06E-04	5.26E-02	1.12E-02	2.98E-08	1.57E-04	2.47E-05	1.14E-02	1.42E-02	2.76E-02	1.18E-02	9.06E-04	5.45E-02
433	488919.6	3857150.76	2.98883	0.91958	1.7208	0.30559	1.21E-02	2.74E-02	1.10E-02	9.65E-04	5.15E-02	1.10E-02	2.96E-08	1.46E-04	2.63E-05	1.12E-02	1.40E-02	2.74E-02	1.10E-02	9.65E-04	5.34E-02
434	488969.6	3857150.76	2.94096	0.91508	1.8261	0.31442	1.19E-02	2.73E-02	1.16E-02	9.93E-04	5.18E-02	1.08E-02	2.95E-08	1.55E-04	2.71E-05	1.10E-02	1.38E-02	2.73E-02	1.16E-02	9.93E-04	5.37E-02
435	488819.6	3857200.76	3.02135	0.95373	1.8992	0.27739	1.22E-02	2.85E-02	1.21E-02	8.76E-04	5.37E-02	1.11E-02	3.07E-08	1.62E-04	2.39E-05	1.13E-02	1.41E-02	2.85E-02	1.21E-02	8.76E-04	5.56E-02
436	488869.6	3857200.76	2.95361	0.94949	1.8957	0.28865	1.19E-02	2.83E-02	1.21E-02	9.11E-04	5.33E-02	1.09E-02	3.06E-08	1.61E-04	2.49E-05	1.10E-02	1.38E-02	2.83E-02	1.21E-02	9.11E-04	5.51E-02
437	488919.6	3857200.76	2.90048	0.94287	1.8463	0.3069	1.17E-02	2.81E-02	1.18E-02	9.69E-04	5.26E-02	1.07E-02	3.04E-08	1.57E-04	2.64E-05	1.08E-02	1.36E-02	2.81E-02	1.18E-02	9.69E-04	5.44E-02
438	488969.6	3857200.76	2.85106	0.93362	1.8133	0.31683	1.15E-02	2.79E-02	1.16E-02	1.00E-03	5.19E-02	1.05E-02	3.01E-08	1.54E-04	2.73E-05	1.07E-02	1.33E-02	2.79E-02	1.16E-02	1.00E-03	5.38E-02
439	488819.6	3857250.76	2.99247	0.97126	1.9569	0.27209	1.21E-02	2.90E-02	1.25E-02	8.59E-04	5.44E-02	1.10E-02	3.13E-08	1.66E-04	2.34E-05	1.12E-02	1.40E-02	2.90E-02	1.25E-02	8.59E-04	5.63E-02
440	488869.6	3857250.76	2.94965	0.96824	1.9929	0.29152	1.19E-02	2.89E-02	1.27E-02	9.20E-04	5.44E-02	1.08E-02	3.12E-08	1.69E-04	2.51E-05	1.10E-02	1.38E-02	2.89E-02	1.27E-02	9.20E-04	5.63E-02
441	488919.6	3857250.76	2.8809	0.95796	1.9311	0.30683	1.16E-02	2.86E-02	1.23E-02	9.69E-04	5.35E-02	1.06E-02	3.09E-08	1.64E-04	2.64E-05	1.08E-02	1.35E-02	2.86E-02	1.23E-02	9.69E-04	5.53E-02
442	488969.6	3857250.76	2.79813	0.95021	1.9479	0.30906	1.13E-02	2.83E-02	1.24E-02	9.76E-04	5.31E-02	1.03E-02	3.06E-08	1.66E-04	2.66E-05	1.05E-02	1.31E-02	2.83E-02	1.24E-02	9.76E-04	5.48E-02
443	488819.6	3857300.76	2.86394	1.00738	2.0509	0.27583	1.16E-02	3.01E-02	1.31E-02	8.71E-04	5.56E-02	1.05E-02	3.25E-08	1.74E-04	2.38E-05	1.07E-02	1.34E-02	3.01E-02	1.31E-02	8.71E-04	5.74E-02
444	488869.6	3857300.76	2.83095	0.98499	2.0195	0.28131	1.14E-02	2.94E-02	1.29E-02	8.88E-04	5.46E-02	1.04E-02	3.17E-08	1.72E-04	2.42E-05	1.06E-02	1.32E-02	2.94E-02	1.29E-02	8.88E-04	5.64E-02
445	488919.6	3857300.76	2.79699	0.9754	1.9182	0.28399	1.13E-02	2.91E-02	1.22E-02	8.97E-04	5.35E-02	1.03E-02	3.14E-08	1.63E-04	2.45E-05	1.05E-02	1.31E-02	2.91E-02	1.22E-02	8.97E-04	5.53E-02
446	488819.6	3857450.76	2.54828	1.03398	2.5263	0.28459	1.03E-02	3.08E-02	1.61E-02	8.99E-04	5.82E-02	9.37E-03	3.33E-08	2.15E-04	2.45E-05	9.61E-03	1.19E-02	3.08E-02	1.61E-02	8.99E-04	5.98E-02
447	488869.6	3857450.76	2.50153	1.02153	2.365	0.27058	1.01E-02	3.05E-02	1.51E-02	8.54E-04	5.65E-02	9.20E-03	3.29E-08	2.01E-04	2.33E-05	9.42E-03	1.17E-02	3.05E-02	1.51E-02	8.54E-04	5.81E-02
448	488919.6	3857450.76	2.47381	1.01753	2.2481	0.26567	1.00E-02	3.04E-02	1.43E-02	8.39E-04	5.55E-02	9.09E-03	3.28E-08	1.91E-04	2.29E-05	9.31E-03	1.16E-02	3.04E-02	1.43E-02	8.39E-04	5.71E-02
449	488819.6	3857500.76	2.54116	1.04538	2.6773	0.26663	1.03E-02	3.12E-02	1.71E-02	8.42E-04	5.94E-02	9.34E-03	3.37E-08	2.28E-04	2.30E-05	9.59E-03	1.19E-02	3.12E-02	1.71E-02	8.42E-04	6.10E-02
450	488869.6	3857500.76	2.50191	1.04026	2.5618	0.26937	1.01E-02	3.10E-02	1.63E-02	8.51E-04	5.83E-02	9.20E-03	3.35E-08	2.18E-04	2.32E-05	9.44E-03	1.17E-02	3.10E-02	1.63E-02	8.51E-04	5.99E-02
451	488919.6	3857500.76	2.44085	1.03495	2.5524	0.26189	9.87E-03	3.09E-02	1.63E-02	8.27E-04	5.79E-02	8.97E-03	3.34E-08	2.17E-04	2.26E-05	9.21E-03	1.14E-02	3.09E-02	1.63E-02	8.27E-04	5.94E-02
452	488819.6	3857550.76	2.54935	1.09116	3.0032	0.25465	1.03E-02	3.26E-02	1.92E-02	8.04E-04	6.28E-02	9.37E-03	3.52E-08	2.55E-04	2.19E-05	9.65E-03	1.19E-02	3.26E-02	1.92E-02	8.04E-04	6.44E-02
453	488869.6	3857550.76	2.43629	1.08071	2.9114	0.26674	9.85E-03	3.22E-02	1.86E-02	8.42E-04	6.15E-02	8.96E-03	3.48E-08	2.48E-04	2.30E-05	9.23E-03	1.14E-02	3.22E-02	1.86E-02	8.42E-04	6.30E-02
454	488919.6	3857550.76	2.40358	1.06733	2.7389	0.25983	9.72E-03	3.18E-02	1.75E-02	8.20E-04	5.98E-02	8.84E-03	3.44E-08	2.33E-04	2.24E-05	9.09E-03	1.12E-02	3.18E-02	1.75E-02	8.20E-04	6.14E-02
455	489663.71	3860900.05	0.74181	1.93304	0.6358	0.36438	3.00E-03	5.77E-02	4.06E-03	1.15E-03	6.59E-02	2.73E-03	6.23E-08	5.41E-05	3.14E-05	2.81E-03	3.47E-03	5.77E-02	4.06E-03	1.15E-03	6.63E-02
456	489813.71	3860900.05	0.71873	1.84665	0.6751	0.35368	2.91E-03	5.51E-02	4.31E-03	1.12E-03	6.34E-02	2.64E-03	5.95E-08	5.74E-05	3.05E-05	2.73E-03	3.36E-03	5.51E-02	4.31E-03	1.12E-03	6.39E-02
457	489863.71	3860900.05	0.70174	1.76701	0.7883	0.35073	2.84E-03	5.27E-02	5.03E-03	1.11E-03	6.17E-02	2.58E-03	5.70E-08	6.70E-05	3.02E-05	2.68E-03	3.28E-03	5.27E-02	5.03E-03	1.11E-03	6.21E-02
458	489913.71	3860900.05	0.70444	1.73892	0.9059	0.34956	2.85E-03	5.19E-02	5.78E-03	1.10E-03	6.16E-02	2.59E-03	5.60E-08	7.70E-05	3.01E-05	2.70E-03	3.29E-03	5.19E-02	5.78E-03	1.10E-03	6.21E-02
459	489963.71	3860900.05	0.70601	1.71868	0.9369	0.35513	2.85E-03	5.13E-02	5.98E-03	1.12E-03	6.12E-02	2.60E-03	5.54E-08	7.97E-05	3.06E-05	2.71E-03	3.30E-03	5.13E-02	5.98E-03	1.12E-03	6.17E-02
460	490013.71	3860900.05	0.70534	1.7001	0.9645	0.36027	2.85E-03	5.07E-02	6.15E-03	1.14E-03	6.09E-02	2.59E-03	5.48E-08	8.20E-05	3.10E-05	2.71E-03	3.30E-03	5.07E-02	6.15E-03	1.14E-03	6.13E-02
461	490063.71	3860900.05	0.69333	1.68759	0.9858	0.35877	2.80E-03	5.03E-02	6.29E-03	1.13E-03	6.06E-02	2.55E-03	5.44E-08	8.38E-05	3.09E-05	2.66E-03	3.24E-03	5.03E-02	6.29E-03	1.13E-03	6.10E-02
462	489663.71	3860950.05	0.71697	1.89181	0.6176	0.35475	2.90E-03	5.64E-02	3.94E-03	1.12E-03	6.44E-02	2.64E-03	6.10E-08	5.25E-05	3.05E-05	2.72E-03	3.35E-03	5.64E-02	3.94E-03	1.12E-03	6.49E-02
463	489813.71	3860950.05	0.74859	1.85593	0.6621	0.36367	3.03E-03	5.54E-02	4.22E-03	1.15E-03	6.38E-02	2.75E-03	5.98E-08	5.63E-05	3.13E-05	2.84E-03	3.50E-03	5.54E-02	4.22E-03	1.15E-03	6.42E-02
464	489863.71	3860950.05	0.69746	1.78928	0.7076	0.35034	2.82E-03	5.34E-02	4.51E-03	1.11E-03	6.18E-02	2.56E-03	5.77E-08	6.02E-05	3.02E-05	2.65E-03	3.26E-03	5.34E-02	4.51E-03	1.11E-03	6.23E-02
465	489913.71	3860950.05	0.69224	1.72504	0.832	0.34174	2.80E-03	5.15E-02	5.31E-03	1.08E-03	6.06E-02	2.55E-03	5.56E-08	7.08E-05	2.94E-05	2.65E-03	3.24E-03	5.15E-02	5.31E-03	1.08E-03	6.11E-02
466	489963.71	3860950.05	0.688	1.66099	0.9056	0.34123	2.78E-03	4.96E-02	5.78E-03	1.08E-03	5.92E-02	2.53E-03	5.35E-08	7.70E-05	2.94E-05	2.64E-03	3.22E-03	4.96E-02	5.78E-03	1.08E-03	5.96E-02
467	490013.71	3860950.05	0.69827	1.6428	0.9353	0.34888	2.82E-03	4.90E-02	5.97E-03	1.10E-03	5.89E-02	2.57E-03	5.29E-08	7.95E-05	3.00E-05	2.68E-03	3.27E-03	4.90E-02	5.97E-03	1.10E-03	5.93E-02
468	490063.71	3860950.05	0.69429	1.63221	0.96	0.35309	2.81E-03	4.87E-02	6.12E-03	1.11E-03	5.87E-02	2.55E-03	5.26E-08	8.16E-05	3.04E-05	2.66E-03	3.25E-03	4.87E-02	6.12E-03	1.11E-03	5.92E-02
469	489513.71	3861000.05	0.69093	1.94923	0.2668	0.36705	2.79E-03	5.82E-02	1.70E-03	1.16E-03	6.38E-02	2.54E-03	6.28E-08	2.27E-05	3.16E-05	2.59E-03	3.23E-03	5.82E-02	1.70E-03	1.16E-03	6.42E-02
470	489563.71	3861000.05	0.7047	1.92278	0.3609	0.38308	2.85E-03	5.74E-02	2.30E-03	1.21E-03	6.37E-02	2.59E-03	6.20E-08	3.07E-05	3.30E-05	2.65E-03	3.30E-03	5.74E-02	2.30E-03	1.21E-03	6.42E-02
471	489613.71	3861000.05	0.71575	1.91054	0.4715	0.38002	2.89E-03	5.70E-02	3.01E-03	1.20E-03	6.41E-02	2.63E-03	6.16E-08	4.01E-05	3.27E-05	2.70E-03	3.35E-03	5.70E-02	3.01E-03	1.20E-03	6.46E-02
472	489663.71	3861000.05	0.71928	1.8316	0.5943	0.3691	2.91E-03	5.46E-02	3.79E-03	1.17E-03	6.25E-02	2.64E-03	5.90E-08	5.05E-05	3.18E-05	2.73E-03	3.36E-03	5.46E-02	3.79E-03	1.17E-03	6.30E-02
473	489713.71	3861000.05	0.70584	1.78689	0.6184	0.35154	2.85E-03	5.33E-02	3.94E-03	1.11E-03	6.12E-02	2.60E-03	5.76E-08	5.26E-05	3.03E-05	2.68E-03	3.30E-03	5.33E-02	3.94E-03	1.11E-03	6.17E-02
474	489763.71	3861000.05	0.73383	1.69493	0.642	0.34661	2.97E-03	5.06E-02	4.09E-03	1.09E-03	5.87E-02	2.70E-03	5.46E-08	5.46E-05	2.98E-05	2.78E-03	3.43E-03	5.06E-02	4.09E-03	1.09E-03	5.92E-02
475	489813.71	3861000.05	0.76312	1.73511	0.6485	0.35685	3.08E-03	5.18E-02	4.14E-03	1.13E-03	6.01E-02	2.81E-03	5.59E-08	5.52E-05	3.07E-05	2.89E-03	3.57E-03	5.18E-02	4.14E-03	1.13E-03	6.06E-02
476	489863.71	3861000.05	0.72817	1.75357	0.6576	0.35418	2.94E-03	5.23E-02	4.19E-03	1.12E-03	6.06E-02	2.68E-03	5.65E-08	5.59E-05	3.05E-05	2.76E-03	3.41E-03	5.23E-02	4.19E-03	1.12E-03	6.10E-02
477	489913.71	3861000.05	0.68701	1.74026	0.7528	0.35339	2.78E-03	5.19E-02	4.80E-03	1.12E-03	6.06E-02	2.53E-03	5.61E-08	6.40E-05	3.04E-05	2.62E-03	3.21E-03	5.19E-02	4.80E-03	1.12E-03	6.10E-02
478	489963.71	3861000.05	0.68143	1.67718	0.8709	0.34183	2.75E-03	5.00E-02	5.56E-03	1.08E-03	5.94E-02	2.51E-03	5.41E-08	7.41E-05	2.94E-05	2.61E-03	3.19E-03	5.00E-02	5.56E-03	1.08E-03	5.99E-02
479	490013.71	3861000.05	0.67572	1.62232	0.9054	0.33489	2.73E-03	4.84E-02	5.78E-03	1.06E-03	5.80E-02	2.48E-03	5.23E-08	7.70E-05	2.88E-05	2.59E-03	3.16E-03	4.84E-02	5.78E-03	1.06E-03	5.84E-02
480	490063.71	3861000.05	0.68932	1.57034	0.9327	0.34228	2.79E-03	4.68E-02	5.95E-03	1.08E-03	5.67E-02	2.53E-03	5.06E-08	7.93E-05	2.95E-05	2.64E-03	3.22E-03	4.68E-02	5.95E-03	1.08E-03	5.71E-02
481	489513.71	3861050.05	0.6844	1.9172	0.2269	0.37019	2.77E-03	5.72E-02	1.45E-03	1.17E-03	6.26E-02	2.52E-03	6.18E-08	1.93E-05	3.19E-05	2.57E-03	3.20E-03	5.72E-02	1.45E-03	1.17E-03	6.30E-02
482	489563.71	3861050.05	0.68305	1.8467	0.3111	0.36537	2.76E-03	5.51E-02	1.98E-03	1.15E-03	6.10E-02	2.51E-03	5.95E-08	2.65E-05	3.15E-05	2.57E-03	3.19E-03	5.51E-02	1.98E-03	1.15E-03	6.14E-02
483	489613.71	3861050.05	0.6965	1.81303	0.413	0.38115	2.82E-03	5.41E-02	2.63E-03	1.20E-03	6.07E-02	2.56E-03	5.84E-08	3.51E-05	3.28E-05	2.63E-03	3.26E-03	5.41E-02	2.63E-03	1.20E-03	6.12E-02
484	489663.71	3861050.05	0.70568	1.83056	0.5272	0.37529	2.85E-03	5.46E-02	3.36E-03	1.18E-03	6.20E-02	2.59E-03	5.90E-08	4.48E-05	3.23E-05	2.67E-03	3.30E-03	5.46E-02	3.36E-03	1.18E-03	6.25E-02

485	489713.71	3861050.05	0.70323	1.75621	0.6009	0.36411	2.84E-03	5.24E-02	3.83E-03	1.15E-03	6.02E-02	2.59E-03	5.66E-08	5.11E-05	3.14E-05	2.67E-03	3.29E-03	5.24E-02	3.83E-03	1.15E-03	6.07E-02
486	489763.71	3861050.05	0.6995	1.68378	0.664	0.34365	2.83E-03	5.02E-02	4.24E-03	1.09E-03	5.84E-02	2.57E-03	5.43E-08	5.65E-05	2.96E-05	2.66E-03	3.27E-03	5.02E-02	4.24E-03	1.09E-03	5.88E-02
487	489813.71	3861050.05	0.73046	1.63527	0.6336	0.33282	2.95E-03	4.88E-02	4.04E-03	1.05E-03	5.68E-02	2.69E-03	5.27E-08	5.39E-05	2.87E-05	2.77E-03	3.42E-03	4.88E-02	4.04E-03	1.05E-03	5.73E-02
488	489863.71	3861050.05	0.75374	1.62823	0.6449	0.34812	3.05E-03	4.86E-02	4.11E-03	1.10E-03	5.68E-02	2.77E-03	5.25E-08	5.48E-05	3.00E-05	2.86E-03	3.52E-03	4.86E-02	4.11E-03	1.10E-03	5.73E-02
489	489913.71	3861050.05	0.70929	1.65816	0.6744	0.35053	2.87E-03	4.95E-02	4.30E-03	1.11E-03	5.77E-02	2.61E-03	5.34E-08	5.74E-05	3.02E-05	2.70E-03	3.32E-03	4.95E-02	4.30E-03	1.11E-03	5.82E-02
490	489963.71	3861050.05	0.67734	1.67776	0.7927	0.3469	2.74E-03	5.01E-02	5.06E-03	1.10E-03	5.89E-02	2.49E-03	5.41E-08	6.74E-05	2.99E-05	2.59E-03	3.17E-03	5.01E-02	5.06E-03	1.10E-03	5.94E-02
491	490013.71	3861050.05	0.67229	1.634	0.8752	0.34038	2.72E-03	4.87E-02	5.58E-03	1.07E-03	5.81E-02	2.47E-03	5.27E-08	7.44E-05	2.93E-05	2.58E-03	3.14E-03	4.87E-02	5.58E-03	1.07E-03	5.85E-02
492	490063.71	3861050.05	0.66672	1.58288	0.9047	0.33069	2.70E-03	4.72E-02	5.77E-03	1.04E-03	5.67E-02	2.45E-03	5.10E-08	7.69E-05	2.85E-05	2.56E-03	3.12E-03	4.72E-02	5.77E-03	1.04E-03	5.72E-02
493	489513.71	3861100.05	0.68713	1.8819	0.1925	0.36063	2.78E-03	5.61E-02	1.23E-03	1.14E-03	6.13E-02	2.53E-03	6.07E-08	1.64E-05	3.11E-05	2.57E-03	3.21E-03	5.61E-02	1.23E-03	1.14E-03	6.17E-02
494	489563.71	3861100.05	0.67123	1.81841	0.2667	0.36549	2.71E-03	5.42E-02	1.70E-03	1.15E-03	5.98E-02	2.47E-03	5.86E-08	2.27E-05	3.15E-05	2.52E-03	3.14E-03	5.42E-02	1.70E-03	1.15E-03	6.02E-02
495	489613.71	3861100.05	0.6739	1.74674	0.3568	0.36072	2.72E-03	5.21E-02	2.28E-03	1.14E-03	5.82E-02	2.48E-03	5.63E-08	3.03E-05	3.11E-05	2.54E-03	3.15E-03	5.21E-02	2.28E-03	1.14E-03	5.87E-02
496	489663.71	3861100.05	0.69066	1.69982	0.463	0.37165	2.79E-03	5.07E-02	2.95E-03	1.17E-03	5.76E-02	2.54E-03	5.48E-08	3.94E-05	3.20E-05	2.61E-03	3.23E-03	5.07E-02	2.95E-03	1.17E-03	5.81E-02
497	489713.71	3861100.05	0.69592	1.73075	0.5813	0.36849	2.81E-03	5.16E-02	3.71E-03	1.16E-03	5.93E-02	2.56E-03	5.58E-08	4.94E-05	3.17E-05	2.64E-03	3.25E-03	5.16E-02	3.71E-03	1.16E-03	5.98E-02
498	489763.71	3861100.05	0.6927	1.6884	0.6017	0.35966	2.80E-03	5.04E-02	3.84E-03	1.14E-03	5.81E-02	2.55E-03	5.44E-08	5.12E-05	3.10E-05	2.63E-03	3.24E-03	5.04E-02	3.84E-03	1.14E-03	5.86E-02
499	489813.71	3861100.05	0.69548	1.6208	0.6337	0.33178	2.81E-03	4.84E-02	4.04E-03	1.05E-03	5.63E-02	2.56E-03	5.22E-08	5.39E-05	2.86E-05	2.64E-03	3.25E-03	4.84E-02	4.04E-03	1.05E-03	5.67E-02
500	489863.71	3861100.05	0.72629	1.5831	0.6317	0.33117	2.94E-03	4.72E-02	4.03E-03	1.05E-03	5.52E-02	2.67E-03	5.10E-08	5.37E-05	2.85E-05	2.75E-03	3.40E-03	4.72E-02	4.03E-03	1.05E-03	5.57E-02
501	489913.71	3861100.05	0.73507	1.53026	0.6411	0.33033	2.97E-03	4.57E-02	4.09E-03	1.04E-03	5.38E-02	2.70E-03	4.93E-08	5.45E-05	2.84E-05	2.79E-03	3.44E-03	4.57E-02	4.09E-03	1.04E-03	5.42E-02
502	489963.71	3861100.05	0.69045	1.56508	0.7159	0.34627	2.79E-03	4.67E-02	4.57E-03	1.09E-03	5.51E-02	2.54E-03	5.04E-08	6.09E-05	2.98E-05	2.63E-03	3.23E-03	4.67E-02	4.57E-03	1.09E-03	5.56E-02
503	490013.71	3861100.05	0.66789	1.58944	0.8307	0.3426	2.70E-03	4.74E-02	5.30E-03	1.08E-03	5.65E-02	2.46E-03	5.12E-08	7.06E-05	2.95E-05	2.56E-03	3.12E-03	4.74E-02	5.30E-03	1.08E-03	5.69E-02
504	490063.71	3861100.05	0.6632	1.58335	0.8746	0.33697	2.68E-03	4.72E-02	5.58E-03	1.06E-03	5.66E-02	2.44E-03	5.10E-08	7.44E-05	2.90E-05	2.54E-03	3.10E-03	4.72E-02	5.58E-03	1.06E-03	5.70E-02
505	489713.71	3861150.05	0.68491	1.60806	0.5158	0.36724	2.77E-03	4.80E-02	3.29E-03	1.16E-03	5.52E-02	2.52E-03	5.18E-08	4.39E-05	3.16E-05	2.59E-03	3.20E-03	4.80E-02	3.29E-03	1.16E-03	5.56E-02
506	489763.71	3861150.05	0.68746	1.63974	0.5847	0.36475	2.78E-03	4.89E-02	3.73E-03	1.15E-03	5.66E-02	2.53E-03	5.28E-08	4.97E-05	3.14E-05	2.61E-03	3.21E-03	4.89E-02	3.73E-03	1.15E-03	5.70E-02
507	489813.71	3861150.05	0.6832	1.63051	0.6383	0.35745	2.76E-03	4.86E-02	4.07E-03	1.13E-03	5.66E-02	2.51E-03	5.26E-08	5.43E-05	3.08E-05	2.60E-03	3.20E-03	4.86E-02	4.07E-03	1.13E-03	5.70E-02
508	489863.71	3861150.05	0.69226	1.56548	0.6169	0.32533	2.80E-03	4.67E-02	3.94E-03	1.03E-03	5.45E-02	2.55E-03	5.05E-08	5.25E-05	2.80E-05	2.63E-03	3.24E-03	4.67E-02	3.94E-03	1.03E-03	5.49E-02
509	489913.71	3861150.05	0.71992	1.52812	0.6283	0.32867	2.91E-03	4.56E-02	4.01E-03	1.04E-03	5.35E-02	2.65E-03	4.93E-08	5.34E-05	2.83E-05	2.73E-03	3.37E-03	4.56E-02	4.01E-03	1.04E-03	5.40E-02
510	489963.71	3861150.05	0.71578	1.48185	0.6404	0.32273	2.89E-03	4.42E-02	4.08E-03	1.02E-03	5.22E-02	2.63E-03	4.78E-08	5.45E-05	2.78E-05	2.71E-03	3.35E-03	4.42E-02	4.08E-03	1.02E-03	5.27E-02
511	490013.71	3861150.05	0.67032	1.47143	0.7534	0.33044	2.71E-03	4.39E-02	4.81E-03	1.04E-03	5.25E-02	2.46E-03	4.74E-08	6.41E-05	2.85E-05	2.56E-03	3.13E-03	4.39E-02	4.81E-03	1.04E-03	5.29E-02
512	490063.71	3861150.05	0.65874	1.50473	0.8443	0.33935	2.66E-03	4.49E-02	5.39E-03	1.07E-03	5.40E-02	2.42E-03	4.85E-08	7.18E-05	2.92E-05	2.52E-03	3.08E-03	4.49E-02	5.39E-03	1.07E-03	5.44E-02
513	489613.71	3861200.05	0.65937	1.68722	0.2641	0.34654	2.67E-03	5.03E-02	1.68E-03	1.09E-03	5.58E-02	2.42E-03	5.44E-08	2.25E-05	2.98E-05	2.48E-03	3.08E-03	5.03E-02	1.68E-03	1.09E-03	5.62E-02
514	489663.71	3861200.05	0.65348	1.64021	0.3523	0.34377	2.64E-03	4.89E-02	2.25E-03	1.09E-03	5.49E-02	2.40E-03	5.29E-08	3.00E-05	2.96E-05	2.46E-03	3.06E-03	4.89E-02	2.25E-03	1.09E-03	5.53E-02
515	489713.71	3861200.05	0.65715	1.58799	0.4549	0.35595	2.66E-03	4.74E-02	2.90E-03	1.12E-03	5.41E-02	2.42E-03	5.12E-08	3.87E-05	3.07E-05	2.49E-03	3.07E-03	4.74E-02	2.90E-03	1.12E-03	5.45E-02
516	489763.71	3861200.05	0.67808	1.53942	0.5674	0.364	2.74E-03	4.59E-02	3.62E-03	1.15E-03	5.34E-02	2.49E-03	4.96E-08	4.83E-05	3.13E-05	2.57E-03	3.17E-03	4.59E-02	3.62E-03	1.15E-03	5.39E-02
517	489813.71	3861200.05	0.6791	1.55989	0.5861	0.36198	2.75E-03	4.65E-02	3.74E-03	1.14E-03	5.42E-02	2.50E-03	5.03E-08	4.98E-05	3.12E-05	2.58E-03	3.18E-03	4.65E-02	3.74E-03	1.14E-03	5.46E-02
518	489863.71	3861200.05	0.67358	1.57782	0.6256	0.35015	2.72E-03	4.71E-02	3.99E-03	1.11E-03	5.49E-02	2.48E-03	5.09E-08	5.32E-05	3.02E-05	2.56E-03	3.15E-03	4.71E-02	3.99E-03	1.11E-03	5.53E-02
519	489913.71	3861200.05	0.68896	1.517	0.6152	0.32717	2.78E-03	4.53E-02	3.92E-03	1.03E-03	5.30E-02	2.53E-03	4.89E-08	5.23E-05	2.82E-05	2.61E-03	3.22E-03	4.53E-02	3.92E-03	1.03E-03	5.34E-02
520	489963.71	3861200.05	0.71192	1.46314	0.6249	0.32788	2.88E-03	4.37E-02	3.99E-03	1.04E-03	5.15E-02	2.62E-03	4.72E-08	5.31E-05	2.82E-05	2.70E-03	3.33E-03	4.37E-02	3.99E-03	1.04E-03	5.20E-02
521	490013.71	3861200.05	0.6982	1.43894	0.6804	0.31746	2.82E-03	4.29E-02	4.34E-03	1.00E-03	5.11E-02	2.57E-03	4.64E-08	5.79E-05	2.73E-05	2.65E-03	3.27E-03	4.29E-02	4.34E-03	1.00E-03	5.15E-02
522	490063.71	3861200.05	0.65238	1.3925	0.7915	0.31875	2.64E-03	4.15E-02	5.05E-03	1.01E-03	5.02E-02	2.40E-03	4.49E-08	6.73E-05	2.74E-05	2.49E-03	3.05E-03	4.15E-02	5.05E-03	1.01E-03	5.06E-02
523	489513.71	3861250.05	0.70695	1.65668	0.1922	0.31954	2.86E-03	4.94E-02	1.23E-03	1.01E-03	5.45E-02	2.60E-03	5.34E-08	1.63E-05	2.75E-05	2.64E-03	3.31E-03	4.94E-02	1.23E-03	1.01E-03	5.50E-02
524	489563.71	3861250.05	0.68355	1.59678	0.1618	0.3351	2.76E-03	4.76E-02	1.03E-03	1.06E-03	5.25E-02	2.51E-03	5.15E-08	1.38E-05	2.89E-05	2.56E-03	3.20E-03	4.76E-02	1.03E-03	1.06E-03	5.29E-02
525	489613.71	3861250.05	0.65721	1.58256	0.226	0.34079	2.66E-03	4.72E-02	1.44E-03	1.08E-03	5.24E-02	2.42E-03	5.10E-08	1.92E-05	2.93E-05	2.46E-03	3.07E-03	4.72E-02	1.44E-03	1.08E-03	5.28E-02
526	489663.71	3861250.05	0.64775	1.60401	0.3051	0.34508	2.62E-03	4.79E-02	1.95E-03	1.09E-03	5.35E-02	2.38E-03	5.17E-08	2.59E-05	2.97E-05	2.44E-03	3.03E-03	4.79E-02	1.95E-03	1.09E-03	5.39E-02
527	489713.71	3861250.05	0.64238	1.57144	0.399	0.34712	2.60E-03	4.69E-02	2.55E-03	1.10E-03	5.31E-02	2.36E-03	5.06E-08	3.39E-05	2.99E-05	2.43E-03	3.00E-03	4.69E-02	2.55E-03	1.10E-03	5.35E-02
528	489763.71	3861250.05	0.65665	1.52204	0.5059	0.35455	2.65E-03	4.54E-02	3.23E-03	1.12E-03	5.24E-02	2.41E-03	4.91E-08	4.30E-05	3.05E-05	2.49E-03	3.07E-03	4.54E-02	3.23E-03	1.12E-03	5.28E-02
529	489813.71	3861250.05	0.67117	1.48406	0.5696	0.36159	2.71E-03	4.43E-02	3.63E-03	1.14E-03	5.18E-02	2.47E-03	4.78E-08	4.84E-05	3.11E-05	2.55E-03	3.14E-03	4.43E-02	3.63E-03	1.14E-03	5.22E-02
530	489863.71	3861250.05	0.67037	1.48881	0.6136	0.35949	2.71E-03	4.44E-02	3.91E-03	1.14E-03	5.22E-02	2.46E-03	4.80E-08	5.22E-05	3.10E-05	2.55E-03	3.14E-03	4.44E-02	3.91E-03	1.14E-03	5.26E-02
531	489913.71	3861250.05	0.66551	1.51058	0.6014	0.33729	2.69E-03	4.51E-02	3.84E-03	1.06E-03	5.27E-02	2.45E-03	4.87E-08	5.11E-05	2.90E-05	2.53E-03	3.11E-03	4.51E-02	3.84E-03	1.06E-03	5.31E-02
532	489963.71	3861250.05	0.68553	1.4725	0.613	0.32989	2.77E-03	4.39E-02	3.91E-03	1.04E-03	5.17E-02	2.52E-03	4.75E-08	5.21E-05	2.84E-05	2.60E-03	3.21E-03	4.39E-02	3.91E-03	1.04E-03	5.21E-02
533	490013.71	3861250.05	0.70296	1.41291	0.6215	0.32499	2.84E-03	4.22E-02	3.96E-03	1.03E-03	5.00E-02	2.58E-03	4.55E-08	5.29E-05	2.80E-05	2.67E-03	3.29E-03	4.22E-02	3.96E-03	1.03E-03	5.04E-02
534	490063.71	3861250.05	0.67997	1.39608	0.718	0.3124	2.75E-03	4.16E-02	4.58E-03	9.86E-04	5.00E-02	2.50E-03	4.50E-08	6.11E-05	2.69E-05	2.59E-03	3.18E-03	4.16E-02	4.58E-03	9.86E-04	5.04E-02
535	489528.13	3861308.47	0.70268	1.57811	0.2017	0.30452	2.84E-03	4.71E-02	1.29E-03	9.61E-04	5.22E-02	2.58E-03	5.09E-08	1.72E-05	2.62E-05	2.63E-03	3.29E-03	4.71E-02	1.29E-03	9.61E-04	5.26E-02
536	489578.13	3861308.47	0.66743	1.58111	0.1607	0.31502	2.70E-03	4.72E-02	1.03E-03	9.95E-04	5.19E-02	2.45E-03	5.10E-08	1.37E-05	2.71E-05	2.49E-03	3.12E-03	4.72E-02	1.03E-03	9.95E-04	5.23E-02
537	489628.13	3861308.47	0.6514	1.51663	0.2053	0.33695	2.63E-03	4.52E-02	1.31E-03	1.06E-03	5.03E-02	2.39E-03	4.89E-08	1.75E-05	2.90E-05	2.44E-03	3.05E-03	4.52E-02	1.31E-03	1.06E-03	5.07E-02
538	489678.13	3861308.47	0.64633	1.48058	0.2789	0.34533	2.61E-03	4.42E-02	1.78E-03	1.09E-03	4.97E-02	2.38E-03	4.77E-08	2.37E-05	2.97E-05	2.43E-03	3.02E-03	4.42E-02	1.78E-03	1.09E-03	5.01E-02
539	489728.13	3861308.47	0.63617	1.50134	0.3669	0.34469	2.57E-03	4.48E-02	2.34E-03	1.09E-03	5.08E-02	2.34E-03	4.84E-08	3.12E-05	2.97E-05	2.40E-03	2.98E-03	4.48E-02	2.34E-03	1.09E-03	5.12E-02
540	489778.13	3861308.47	0.63661	1.49333	0.4678	0.35097	2.57E-03	4.46E-02	2.98E-03	1.11E-03	5.12E-02	2.34E-03	4.81E-08	3.98E-05	3.02E-05	2.41E-03	2.98E-03	4.46E-02	2.98E-03	1.11E-03	5.16E-02
541	489678.13	3861358.47	0.64211	1.46165	0.2397	0.32994	2.60E-03	4.36E-02	1.53E-03	1.04E-03	4.88E-02	2.36E-03	4.71E-08	2.04E-05	2.84E-05	2.41E-03	3.00E-03	4.36E-02	1.53E-03	1.04E-03	4.92E-02
542	489728.13	3861358.47	0.63709	1.39869	0.3191	0.3396	2.58E-03	4.17E-02	2.04E-03	1.07E-03	4.74E-02	2.34E-03	4.51E-08	2.71E-05	2.92E-05	2.40E-03	2.98E-03	4.17E-02	2.04E-03	1.07E-03	4.78E-02
543	489528.13	3861408.47	0.64307	1.39897	0.2406	0.28487	2.60E-03	4.17E-02	1.53E-03	8.99E-04	4.68E-02	2.36E-03	4.51E-08	2.05E-05	2.45E-05	2.41E-03	3.01E-03	4.17E-02	1.53E-03	8.99E-04	4.72E-02
544	489578.13	3861408.47	0.6711	1.41345	0.1956	0.29414	2.71E-03	4.22E-02	1.25E-03	9.29E-04	4.71E-02	2.47E-03	4.56E-08	1.66E-05	2.53E-05	2.51E-03	3.14E-03	4.22E-02	1.25E-03	9.29E-04	4.75E-02
545	489628.13	3861408.47	0.67186	1.431	0.1565	0.30492	2.72E-03	4.27E-02	9.98E-04	9.63E-04	4.74E-02	2.47E-03	4.61E-08	1.33E-05	2.63E-05	2.51E-03	3.14E-03	4.27E-02	9.98E-04	9.63E-04	4.78E-02

546	489678.13	3861408.47	0.64319	1.44592	0.2053	0.31395	2.60E-03	4.31E-02	1.31E-03	9.91E-04	4.80E-02	2.36E-03	4.66E-08	1.75E-05	2.70E-05	2.41E-03	3.01E-03	4.31E-02	1.31E-03	9.91E-04	4.84E-02
547	489728.13	3861408.47	0.63434	1.40938	0.2763	0.3232	2.56E-03	4.20E-02	1.76E-03	1.02E-03	4.74E-02	2.33E-03	4.54E-08	2.35E-05	2.78E-05	2.38E-03	2.97E-03	4.20E-02	1.76E-03	1.02E-03	4.78E-02
548	489528.13	3861458.47	0.63755	1.34403	0.2609	0.27864	2.58E-03	4.01E-02	1.66E-03	8.80E-04	4.52E-02	2.34E-03	4.33E-08	2.22E-05	2.40E-05	2.39E-03	2.98E-03	4.01E-02	1.66E-03	8.80E-04	4.56E-02
549	489578.13	3861458.47	0.6427	1.33235	0.2142	0.2853	2.60E-03	3.97E-02	1.37E-03	9.01E-04	4.46E-02	2.36E-03	4.29E-08	1.82E-05	2.46E-05	2.41E-03	3.01E-03	3.97E-02	1.37E-03	9.01E-04	4.50E-02
550	489628.13	3861458.47	0.67019	1.34791	0.1727	0.29471	2.71E-03	4.02E-02	1.10E-03	9.31E-04	4.50E-02	2.46E-03	4.34E-08	1.47E-05	2.54E-05	2.50E-03	3.13E-03	4.02E-02	1.10E-03	9.31E-04	4.54E-02
551	489678.13	3861458.47	0.6446	1.36432	0.175	0.30377	2.61E-03	4.07E-02	1.12E-03	9.59E-04	4.54E-02	2.37E-03	4.40E-08	1.49E-05	2.62E-05	2.41E-03	3.01E-03	4.07E-02	1.12E-03	9.59E-04	4.58E-02
552	489728.13	3861458.47	0.6274	1.38083	0.238	0.31211	2.54E-03	4.12E-02	1.52E-03	9.85E-04	4.62E-02	2.31E-03	4.45E-08	2.02E-05	2.69E-05	2.35E-03	2.93E-03	4.12E-02	1.52E-03	9.85E-04	4.66E-02
553	489528.13	3861508.47	0.6383	1.28912	0.248	0.27853	2.58E-03	3.85E-02	1.58E-03	8.79E-04	4.35E-02	2.35E-03	4.15E-08	2.11E-05	2.40E-05	2.39E-03	2.99E-03	3.85E-02	1.58E-03	8.79E-04	4.39E-02
554	489578.13	3861508.47	0.62525	1.30839	0.2331	0.28068	2.53E-03	3.90E-02	1.49E-03	8.86E-04	4.39E-02	2.30E-03	4.22E-08	1.98E-05	2.42E-05	2.34E-03	2.92E-03	3.90E-02	1.49E-03	8.86E-04	4.43E-02
555	489628.13	3861508.47	0.64105	1.27602	0.1896	0.28441	2.59E-03	3.81E-02	1.21E-03	8.98E-04	4.28E-02	2.36E-03	4.11E-08	1.61E-05	2.45E-05	2.40E-03	3.00E-03	3.81E-02	1.21E-03	8.98E-04	4.32E-02
556	489678.13	3861508.47	0.6673	1.28438	0.1518	0.29335	2.70E-03	3.83E-02	9.68E-04	9.26E-04	4.29E-02	2.45E-03	4.14E-08	1.29E-05	2.53E-05	2.49E-03	3.12E-03	3.83E-02	9.68E-04	9.26E-04	4.33E-02
557	489728.13	3861508.47	0.63388	1.30279	0.2043	0.30219	2.56E-03	3.89E-02	1.30E-03	9.54E-04	4.37E-02	2.33E-03	4.20E-08	1.74E-05	2.60E-05	2.37E-03	2.96E-03	3.89E-02	1.30E-03	9.54E-04	4.41E-02
558	489628.13	3861558.47	0.61335	1.27495	0.2074	0.27924	2.48E-03	3.80E-02	1.32E-03	8.82E-04	4.27E-02	2.25E-03	4.11E-08	1.76E-05	2.40E-05	2.30E-03	2.87E-03	3.80E-02	1.32E-03	8.82E-04	4.31E-02
559	489678.13	3861558.47	0.64096	1.24369	0.1677	0.28412	2.59E-03	3.71E-02	1.07E-03	8.97E-04	4.17E-02	2.36E-03	4.01E-08	1.43E-05	2.45E-05	2.40E-03	3.00E-03	3.71E-02	1.07E-03	8.97E-04	4.21E-02
560	489728.13	3861558.47	0.64838	1.23646	0.1752	0.29464	2.62E-03	3.69E-02	1.12E-03	9.30E-04	4.16E-02	2.38E-03	3.99E-08	1.49E-05	2.54E-05	2.42E-03	3.03E-03	3.69E-02	1.12E-03	9.30E-04	4.20E-02
561	489357.08	3861015.81	0.75546	2.0437	0.2456	0.34487	3.05E-03	6.10E-02	1.57E-03	1.09E-03	6.67E-02	2.78E-03	6.59E-08	2.09E-05	2.97E-05	2.83E-03	3.53E-03	6.10E-02	1.57E-03	1.09E-03	6.72E-02
562	489407.08	3861015.81	0.73188	2.04098	0.1961	0.35418	2.96E-03	6.09E-02	1.25E-03	1.12E-03	6.62E-02	2.69E-03	6.58E-08	1.67E-05	3.05E-05	2.74E-03	3.42E-03	6.09E-02	1.25E-03	1.12E-03	6.67E-02
563	489457.08	3861015.81	0.70383	2.01027	0.1708	0.36523	2.85E-03	6.00E-02	1.09E-03	1.15E-03	6.51E-02	2.59E-03	6.48E-08	1.45E-05	3.14E-05	2.63E-03	3.29E-03	6.00E-02	1.09E-03	1.15E-03	6.55E-02
564	489357.08	3861065.81	0.7624	1.94484	0.2684	0.33315	3.08E-03	5.80E-02	1.71E-03	1.05E-03	6.39E-02	2.80E-03	6.27E-08	2.28E-05	2.87E-05	2.85E-03	3.57E-03	5.80E-02	1.71E-03	1.05E-03	6.44E-02
565	489407.08	3861065.81	0.72362	1.95177	0.217	0.34136	2.93E-03	5.82E-02	1.38E-03	1.08E-03	6.36E-02	2.66E-03	6.29E-08	1.85E-05	2.94E-05	2.71E-03	3.38E-03	5.82E-02	1.38E-03	1.08E-03	6.41E-02
566	489457.08	3861065.81	0.71713	1.95312	0.1716	0.35185	2.90E-03	5.83E-02	1.09E-03	1.11E-03	6.34E-02	2.64E-03	6.30E-08	1.46E-05	3.03E-05	2.68E-03	3.35E-03	5.83E-02	1.09E-03	1.11E-03	6.38E-02
567	489357.08	3861115.81	0.7304	1.84531	0.2882	0.32101	2.95E-03	5.51E-02	1.84E-03	1.01E-03	6.09E-02	2.69E-03	5.95E-08	2.45E-05	2.76E-05	2.74E-03	3.42E-03	5.51E-02	1.84E-03	1.01E-03	6.13E-02
568	489407.08	3861115.81	0.75774	1.83428	0.2388	0.33082	3.06E-03	5.47E-02	1.52E-03	1.04E-03	6.04E-02	2.79E-03	5.91E-08	2.03E-05	2.85E-05	2.83E-03	3.54E-03	5.47E-02	1.52E-03	1.04E-03	6.08E-02
569	489457.08	3861115.81	0.70697	1.86752	0.1912	0.3411	2.86E-03	5.57E-02	1.22E-03	1.08E-03	6.09E-02	2.60E-03	6.02E-08	1.63E-05	2.94E-05	2.64E-03	3.31E-03	5.57E-02	1.22E-03	1.08E-03	6.13E-02
570	489407.08	3861165.81	0.72901	1.77821	0.261	0.32117	2.95E-03	5.30E-02	1.67E-03	1.01E-03	5.87E-02	2.68E-03	5.73E-08	2.22E-05	2.77E-05	2.73E-03	3.41E-03	5.31E-02	1.67E-03	1.01E-03	5.91E-02
571	489457.08	3861165.81	0.72828	1.75769	0.2113	0.32896	2.94E-03	5.24E-02	1.35E-03	1.04E-03	5.78E-02	2.68E-03	5.67E-08	1.80E-05	2.83E-05	2.72E-03	3.41E-03	5.24E-02	1.35E-03	1.04E-03	5.82E-02
572	489407.08	3861215.81	0.69416	1.67832	0.281	0.30511	2.81E-03	5.01E-02	1.79E-03	9.63E-04	5.56E-02	2.55E-03	5.41E-08	2.39E-05	2.63E-05	2.60E-03	3.25E-03	5.01E-02	1.79E-03	9.63E-04	5.61E-02
573	489457.08	3861215.81	0.72208	1.70203	0.2312	0.31573	2.92E-03	5.08E-02	1.47E-03	9.97E-04	5.62E-02	2.65E-03	5.49E-08	1.97E-05	2.72E-05	2.70E-03	3.38E-03	5.08E-02	1.47E-03	9.97E-04	5.66E-02
574	489407.08	3861265.81	0.66531	1.58134	0.2617	0.29136	2.69E-03	4.72E-02	1.67E-03	9.20E-04	5.25E-02	2.45E-03	5.10E-08	2.23E-05	2.51E-05	2.49E-03	3.11E-03	4.72E-02	1.67E-03	9.20E-04	5.29E-02
575	489457.08	3861265.81	0.68896	1.61249	0.2516	0.30045	2.78E-03	4.81E-02	1.60E-03	9.49E-04	5.34E-02	2.53E-03	5.20E-08	2.14E-05	2.59E-05	2.58E-03	3.22E-03	4.81E-02	1.60E-03	9.49E-04	5.39E-02
576	489309.86	3861110.14	0.7056	1.82962	0.2595	0.30948	2.85E-03	5.46E-02	1.66E-03	9.77E-04	6.01E-02	2.59E-03	5.90E-08	2.21E-05	2.66E-05	2.64E-03	3.30E-03	5.46E-02	1.66E-03	9.77E-04	6.05E-02
577	489407.08	3861315.81	0.66595	1.4969	0.2445	0.28343	2.69E-03	4.47E-02	1.56E-03	8.95E-04	4.98E-02	2.45E-03	4.82E-08	2.08E-05	2.44E-05	2.49E-03	3.11E-03	4.47E-02	1.56E-03	8.95E-04	5.02E-02
578	489457.08	3861315.81	0.65859	1.53216	0.2728	0.29075	2.66E-03	4.57E-02	1.74E-03	9.18E-04	5.10E-02	2.42E-03	4.94E-08	2.32E-05	2.50E-05	2.47E-03	3.08E-03	4.57E-02	1.74E-03	9.18E-04	5.14E-02
579	488906.03	3861006.75	0.79052	1.99781	0.261	0.32667	3.20E-03	5.96E-02	1.66E-03	1.03E-03	6.55E-02	2.91E-03	6.44E-08	2.22E-05	2.81E-05	2.96E-03	3.70E-03	5.96E-02	1.66E-03	1.03E-03	6.60E-02
580	488956.03	3861006.75	0.73506	1.99391	0.2773	0.3347	2.97E-03	5.95E-02	1.77E-03	1.06E-03	6.53E-02	2.70E-03	6.43E-08	2.36E-05	2.88E-05	2.75E-03	3.44E-03	5.95E-02	1.77E-03	1.06E-03	6.57E-02
581	488904.24	3861051.87	0.77708	1.92578	0.2883	0.29962	3.14E-03	5.75E-02	1.84E-03	9.46E-04	6.34E-02	2.86E-03	6.21E-08	2.45E-05	2.58E-05	2.91E-03	3.63E-03	5.75E-02	1.84E-03	9.46E-04	6.39E-02
582	488954.24	3861051.87	0.75346	1.89904	0.2621	0.32878	3.05E-03	5.67E-02	1.67E-03	1.04E-03	6.24E-02	2.77E-03	6.12E-08	2.23E-05	2.83E-05	2.82E-03	3.52E-03	5.67E-02	1.67E-03	1.04E-03	6.29E-02
583	489004.24	3861051.87	0.73843	1.88852	0.2693	0.31886	2.98E-03	5.63E-02	1.72E-03	1.01E-03	6.21E-02	2.71E-03	6.09E-08	2.29E-05	2.75E-05	2.77E-03	3.45E-03	5.63E-02	1.72E-03	1.01E-03	6.25E-02
584	488804.24	3861101.87	0.67807	1.85218	0.2143	0.32446	2.74E-03	5.53E-02	1.37E-03	1.02E-03	6.04E-02	2.49E-03	5.97E-08	1.82E-05	2.79E-05	2.54E-03	3.17E-03	5.53E-02	1.37E-03	1.02E-03	6.08E-02
585	488854.24	3861101.87	0.70855	1.85	0.23	0.32718	2.86E-03	5.52E-02	1.47E-03	1.03E-03	6.06E-02	2.60E-03	5.96E-08	1.96E-05	2.82E-05	2.65E-03	3.31E-03	5.52E-02	1.47E-03	1.03E-03	6.10E-02
586	488904.24	3861101.87	0.73391	1.82142	0.2615	0.28897	2.97E-03	5.43E-02	1.67E-03	9.12E-04	5.99E-02	2.70E-03	5.87E-08	2.22E-05	2.49E-05	2.75E-03	3.43E-03	5.43E-02	1.67E-03	9.12E-04	6.04E-02
587	488954.24	3861101.87	0.76117	1.77754	0.2449	0.29509	3.08E-03	5.30E-02	1.56E-03	9.32E-04	5.86E-02	2.80E-03	5.73E-08	2.08E-05	2.54E-05	2.84E-03	3.56E-03	5.30E-02	1.56E-03	9.32E-04	5.91E-02
588	489004.24	3861101.87	0.71281	1.74548	0.2776	0.30559	2.88E-03	5.21E-02	1.77E-03	9.65E-04	5.77E-02	2.62E-03	5.63E-08	2.36E-05	2.63E-05	2.67E-03	3.33E-03	5.21E-02	1.77E-03	9.65E-04	5.81E-02
589	488804.24	3861151.87	0.65847	1.71114	0.2112	0.30396	2.66E-03	5.10E-02	1.35E-03	9.60E-04	5.60E-02	2.42E-03	5.52E-08	1.80E-05	2.62E-05	2.47E-03	3.08E-03	5.10E-02	1.35E-03	9.60E-04	5.64E-02
590	488854.24	3861151.87	0.66332	1.72063	0.2134	0.31699	2.68E-03	5.13E-02	1.36E-03	1.00E-03	5.64E-02	2.44E-03	5.55E-08	1.81E-05	2.73E-05	2.48E-03	3.10E-03	5.13E-02	1.36E-03	1.00E-03	5.68E-02
591	489129.49	3861187.55	0.7258	1.60221	0.2362	0.30298	2.93E-03	4.78E-02	1.51E-03	9.57E-04	5.32E-02	2.67E-03	5.16E-08	2.01E-05	2.61E-05	2.71E-03	3.39E-03	4.78E-02	1.51E-03	9.57E-04	5.37E-02
592	489179.49	3861187.55	0.69915	1.6184	0.261	0.29111	2.83E-03	4.83E-02	1.66E-03	9.19E-04	5.37E-02	2.57E-03	5.22E-08	2.22E-05	2.51E-05	2.62E-03	3.27E-03	4.83E-02	1.66E-03	9.19E-04	5.41E-02
593	488804.24	3861201.87	0.6504	1.6064	0.2089	0.29507	2.63E-03	4.79E-02	1.33E-03	9.32E-04	5.28E-02	2.39E-03	5.18E-08	1.78E-05	2.54E-05	2.43E-03	3.04E-03	4.79E-02	1.33E-03	9.32E-04	5.32E-02
594	488854.24	3861201.87	0.64855	1.60195	0.2094	0.30821	2.62E-03	4.78E-02	1.34E-03	9.73E-04	5.27E-02	2.38E-03	5.16E-08	1.78E-05	2.65E-05	2.43E-03	3.03E-03	4.78E-02	1.34E-03	9.73E-04	5.31E-02
595	489129.49	3861237.55	0.69109	1.50793	0.224	0.28924	2.79E-03	4.50E-02	1.43E-03	9.13E-04	5.01E-02	2.54E-03	4.86E-08	1.90E-05	2.49E-05	2.58E-03	3.23E-03	4.50E-02	1.43E-03	9.13E-04	5.06E-02
596	489179.49	3861237.55	0.71901	1.52342	0.2474	0.30221	2.91E-03	4.54E-02	1.58E-03	9.54E-04	5.09E-02	2.64E-03	4.91E-08	2.10E-05	2.60E-05	2.69E-03	3.36E-03	4.54E-02	1.58E-03	9.54E-04	5.13E-02
597	488804.24	3861251.87	0.64233	1.52807	0.2094	0.28719	2.60E-03	4.56E-02	1.34E-03	9.07E-04	5.04E-02	2.36E-03	4.93E-08	1.78E-05	2.47E-05	2.40E-03	3.00E-03	4.56E-02	1.34E-03	9.07E-04	5.08E-02
598	488854.24	3861251.87	0.63984	1.53818	0.2073	0.29471	2.59E-03	4.59E-02	1.32E-03	9.31E-04	5.07E-02	2.35E-03	4.96E-08	1.76E-05	2.54E-05	2.40E-03	2.99E-03	4.59E-02	1.32E-03	9.31E-04	5.11E-02
599	488804.24	3861301.87	0.63134	1.48497	0.2149	0.25823	2.55E-03	4.43E-02	1.37E-03	8.15E-04	4.90E-02	2.32E-03	4.79E-08	1.83E-05	2.22E-05	2.36E-03	2.95E-03	4.43E-02	1.37E-03	8.15E-04	4.94E-02
600	488854.24	3861301.87	0.63154	1.46042	0.2053	0.26991	2.55E-03	4.36E-02	1.31E-03	8.52E-04	4.83E-02	2.32E-03	4.71E-08	1.75E-05	2.32E-05	2.36E-03	2.95E-03	4.36E-02	1.31E-03	8.52E-04	4.87E-02
601	490943.5	3860181.97	0.7703	1.6433	0.8205	0.30296	3.11E-03	4.90E-02	5.23E-03	9.57E-04	5.83E-02	2.83E-03	5.30E-08	6.98E-05	2.61E-05	2.93E-03	3.60E-03	4.90E-02	5.23E-03	9.57E-04	5.88E-02
602	490993.5	3860181.97	0.74467	1.62176	0.8151	0.30187	3.01E-03	4.84E-02	5.20E-03	9.53E-04	5.75E-02	2.74E-03	5.23E-08	6.93E-05	2.60E-05	2.83E-03	3.48E-03	4.84E-02	5.20E-03	9.53E-04	5.80E-02
603	491043.5	3860181.97	0.71553	1.6006	0.8568	0.30082	2.89E-03	4.78E-02	5.46E-03	9.50E-04	5.71E-02	2.63E-03	5.16E-08	7.29E-05	2.59E-05	2.73E-03	3.35E-03	4.78E-02	5.46E-03	9.50E-04	5.75E-02
604	491093.5	3860181.97	0.70403	1.56555	0.8896	0.29901	2.85E-03	4.67E-02	5.67E-03	9.44E-04	5.62E-02	2.59E-03	5.05E-08	7.57E-05	2.57E-05	2.69E-03	3.29E-03	4.67E-02	5.67E-03	9.44E-04	5.66E-02
605	490943.5	3860231.97	0.75874	1.59563	0.8266	0.30285	3.07E-03	4.76E-02	5.27E-03	9.56E-04	5.69E-02	2.79E-03	5.14E-08	7.03E-05	2.61E-05	2.89E-03	3.55E-03	4.76E-02	5.27E-03	9.56E-04	5.74E-02
606	490993.5	3860231.97	0.76407	1.57492	0.8168	0.30318	3.09E-03	4.70E-02	5.21E-03	9.57E-04	5.62E-02	2.81E-03	5.08E-08	6.95E-05	2.61E-05	2.90E-03	3.57E-03	4.70E-02	5.21E-03	9.57E-04	5.67E-02

607	491043.5	3860231.97	0.73891	1.55055	0.7955	0.30083	2.99E-03	4.63E-02	5.07E-03	9.50E-04	5.53E-02	2.72E-03	5.00E-08	6.77E-05	2.59E-05	2.81E-03	3.46E-03	4.63E-02	5.07E-03	9.50E-04	5.57E-02
608	491093.5	3860231.97	0.71831	1.5262	0.8206	0.2986	2.90E-03	4.55E-02	5.23E-03	9.43E-04	5.46E-02	2.64E-03	4.92E-08	6.98E-05	2.57E-05	2.74E-03	3.36E-03	4.55E-02	5.23E-03	9.43E-04	5.51E-02
609	490943.5	3860281.97	0.77653	1.59824	0.9055	0.30198	3.14E-03	4.77E-02	5.78E-03	9.53E-04	5.75E-02	2.85E-03	5.15E-08	7.70E-05	2.60E-05	2.96E-03	3.63E-03	4.77E-02	5.78E-03	9.53E-04	5.80E-02
610	490993.5	3860281.97	0.75915	1.57622	0.8386	0.30173	3.07E-03	4.70E-02	5.35E-03	9.53E-04	5.64E-02	2.79E-03	5.08E-08	7.13E-05	2.60E-05	2.89E-03	3.55E-03	4.70E-02	5.35E-03	9.53E-04	5.69E-02
611	491043.5	3860281.97	0.7451	1.55121	0.7975	0.29795	3.01E-03	4.63E-02	5.09E-03	9.41E-04	5.53E-02	2.74E-03	5.00E-08	6.78E-05	2.57E-05	2.83E-03	3.48E-03	4.63E-02	5.09E-03	9.41E-04	5.58E-02
612	491093.5	3860281.97	0.73193	1.52123	0.7904	0.29204	2.96E-03	4.54E-02	5.04E-03	9.22E-04	5.43E-02	2.69E-03	4.90E-08	6.72E-05	2.51E-05	2.78E-03	3.42E-03	4.54E-02	5.04E-03	9.22E-04	5.48E-02
613	490943.5	3860331.97	0.77608	1.58261	0.8568	0.3156	3.14E-03	4.72E-02	5.47E-03	9.96E-04	5.68E-02	2.85E-03	5.10E-08	7.29E-05	2.72E-05	2.95E-03	3.63E-03	4.72E-02	5.47E-03	9.96E-04	5.73E-02
614	490993.5	3860331.97	0.76609	1.55207	0.8808	0.30891	3.10E-03	4.63E-02	5.62E-03	9.75E-04	5.60E-02	2.82E-03	5.00E-08	7.49E-05	2.66E-05	2.92E-03	3.58E-03	4.63E-02	5.62E-03	9.75E-04	5.65E-02
615	491043.5	3860331.97	0.73988	1.52058	0.8448	0.29632	2.99E-03	4.54E-02	5.39E-03	9.36E-04	5.47E-02	2.72E-03	4.90E-08	7.18E-05	2.55E-05	2.82E-03	3.46E-03	4.54E-02	5.39E-03	9.36E-04	5.51E-02
616	491093.5	3860331.97	0.71422	1.48823	0.7785	0.29467	2.89E-03	4.44E-02	4.97E-03	9.30E-04	5.32E-02	2.63E-03	4.80E-08	6.62E-05	2.54E-05	2.72E-03	3.34E-03	4.44E-02	4.97E-03	9.30E-04	5.36E-02
617	490086.72	3859935.12	1.02489	2.26838	0.9094	0.4289	4.14E-03	6.77E-02	5.80E-03	1.35E-03	7.90E-02	3.77E-03	7.31E-08	7.73E-05	3.69E-05	3.88E-03	4.79E-03	6.77E-02	5.80E-03	1.35E-03	7.96E-02
618	490136.72	3859935.12	0.97526	2.23358	0.9669	0.42261	3.94E-03	6.66E-02	6.17E-03	1.33E-03	7.81E-02	3.59E-03	7.20E-08	8.22E-05	3.64E-05	3.70E-03	4.56E-03	6.66E-02	6.17E-03	1.33E-03	7.87E-02
619	490186.72	3859935.12	0.9225	2.17932	1.0757	0.41674	3.73E-03	6.50E-02	6.86E-03	1.32E-03	7.69E-02	3.39E-03	7.02E-08	9.15E-05	3.59E-05	3.52E-03	4.31E-03	6.50E-02	6.86E-03	1.32E-03	7.75E-02
620	490236.72	3859935.12	0.89895	2.12775	1.171	0.4069	3.63E-03	6.35E-02	7.47E-03	1.28E-03	7.59E-02	3.30E-03	6.86E-08	9.96E-05	3.50E-05	3.44E-03	4.20E-03	6.35E-02	7.47E-03	1.28E-03	7.64E-02
621	490286.72	3859935.12	0.94788	2.07044	1.2183	0.40426	3.83E-03	6.18E-02	7.77E-03	1.28E-03	7.46E-02	3.48E-03	6.67E-08	1.04E-04	3.48E-05	3.62E-03	4.43E-03	6.18E-02	7.77E-03	1.28E-03	7.52E-02
622	490336.72	3859935.12	0.99187	2.01278	1.1334	0.39737	4.01E-03	6.00E-02	7.23E-03	1.25E-03	7.25E-02	3.65E-03	6.49E-08	9.64E-05	3.42E-05	3.78E-03	4.64E-03	6.00E-02	7.23E-03	1.25E-03	7.32E-02
623	490386.72	3859935.12	0.97399	1.95523	1.0384	0.3889	3.94E-03	5.83E-02	6.62E-03	1.23E-03	7.01E-02	3.58E-03	6.30E-08	8.83E-05	3.35E-05	3.70E-03	4.55E-03	5.83E-02	6.62E-03	1.23E-03	7.07E-02
624	490436.72	3859935.12	0.93645	1.93713	0.9636	0.37078	3.79E-03	5.78E-02	6.15E-03	1.17E-03	6.89E-02	3.44E-03	6.24E-08	8.20E-05	3.19E-05	3.56E-03	4.38E-03	5.78E-02	6.15E-03	1.17E-03	6.95E-02
625	490486.72	3859935.12	0.89917	1.9191	0.9468	0.35344	3.63E-03	5.73E-02	6.04E-03	1.12E-03	6.80E-02	3.31E-03	6.19E-08	8.05E-05	3.04E-05	3.42E-03	4.21E-03	5.73E-02	6.04E-03	1.12E-03	6.86E-02
626	490536.72	3859935.12	0.89045	1.89953	0.9274	0.33727	3.60E-03	5.67E-02	5.92E-03	1.06E-03	6.72E-02	3.27E-03	6.12E-08	7.89E-05	2.90E-05	3.38E-03	4.16E-03	5.67E-02	5.92E-03	1.06E-03	6.78E-02
627	490586.72	3859935.12	0.8583	1.87892	0.906	0.32221	3.47E-03	5.61E-02	5.78E-03	1.02E-03	6.63E-02	3.16E-03	6.06E-08	7.71E-05	2.77E-05	3.26E-03	4.01E-03	5.61E-02	5.78E-03	1.02E-03	6.69E-02
628	490636.72	3859935.12	0.8523	1.86018	0.9232	0.32089	3.45E-03	5.55E-02	5.89E-03	1.01E-03	6.58E-02	3.13E-03	6.00E-08	7.85E-05	2.76E-05	3.24E-03	3.99E-03	5.55E-02	5.89E-03	1.01E-03	6.64E-02
629	490686.72	3859935.12	0.82656	1.82231	1.0003	0.32288	3.34E-03	5.44E-02	6.38E-03	1.02E-03	6.51E-02	3.04E-03	5.87E-08	8.51E-05	2.78E-05	3.15E-03	3.87E-03	5.44E-02	6.38E-03	1.02E-03	6.56E-02
630	490736.72	3859935.12	0.79382	1.79751	0.9776	0.324	3.21E-03	5.36E-02	6.24E-03	1.02E-03	6.41E-02	2.92E-03	5.79E-08	8.31E-05	2.79E-05	3.03E-03	3.71E-03	5.36E-02	6.24E-03	1.02E-03	6.46E-02
631	490086.72	3859985.12	1.05913	2.2236	0.9756	0.48206	4.28E-03	6.63E-02	6.22E-03	1.52E-03	7.84E-02	3.89E-03	7.17E-08	8.30E-05	4.15E-05	4.02E-03	4.95E-03	6.63E-02	6.22E-03	1.52E-03	7.90E-02
632	490136.72	3859985.12	1.00813	2.18842	0.9155	0.46356	4.08E-03	6.53E-02	5.84E-03	1.46E-03	7.67E-02	3.71E-03	7.05E-08	7.79E-05	3.99E-05	3.82E-03	4.71E-03	6.53E-02	5.84E-03	1.46E-03	7.73E-02
633	490186.72	3859985.12	0.96837	2.15642	0.9495	0.44839	3.91E-03	6.43E-02	6.06E-03	1.42E-03	7.57E-02	3.56E-03	6.95E-08	8.07E-05	3.86E-05	3.68E-03	4.53E-03	6.43E-02	6.06E-03	1.42E-03	7.63E-02
634	490236.72	3859985.12	0.9116	2.11538	1.0606	0.43616	3.68E-03	6.31E-02	6.77E-03	1.38E-03	7.49E-02	3.35E-03	6.82E-08	9.02E-05	3.76E-05	3.48E-03	4.26E-03	6.31E-02	6.77E-03	1.38E-03	7.55E-02
635	490286.72	3859985.12	0.87166	2.07561	1.1522	0.42621	3.52E-03	6.19E-02	7.35E-03	1.35E-03	7.41E-02	3.20E-03	6.69E-08	9.80E-05	3.67E-05	3.34E-03	4.08E-03	6.19E-02	7.35E-03	1.35E-03	7.47E-02
636	490336.72	3859985.12	0.91992	2.02224	1.2263	0.41846	3.72E-03	6.03E-02	7.82E-03	1.32E-03	7.32E-02	3.38E-03	6.52E-08	1.04E-04	3.60E-05	3.52E-03	4.30E-03	6.03E-02	7.82E-03	1.32E-03	7.38E-02
637	490386.72	3859985.12	0.96229	1.96898	1.1459	0.41233	3.89E-03	5.87E-02	7.31E-03	1.30E-03	7.12E-02	3.54E-03	6.35E-08	9.75E-05	3.55E-05	3.67E-03	4.50E-03	5.87E-02	7.31E-03	1.30E-03	7.19E-02
638	490436.72	3859985.12	0.95621	1.95168	1.0515	0.40673	3.87E-03	5.82E-02	6.71E-03	1.28E-03	7.01E-02	3.52E-03	6.29E-08	8.94E-05	3.50E-05	3.64E-03	4.47E-03	5.82E-02	6.71E-03	1.28E-03	7.07E-02
639	490486.72	3859985.12	0.93355	1.93444	0.9526	0.38535	3.77E-03	5.77E-02	6.08E-03	1.22E-03	6.88E-02	3.43E-03	6.23E-08	8.10E-05	3.32E-05	3.55E-03	4.37E-03	5.77E-02	6.08E-03	1.22E-03	6.94E-02
640	490536.72	3859985.12	0.88448	1.91628	0.9385	0.37995	3.58E-03	5.72E-02	5.99E-03	1.20E-03	6.79E-02	3.25E-03	6.18E-08	7.98E-05	3.27E-05	3.36E-03	4.14E-03	5.72E-02	5.99E-03	1.20E-03	6.85E-02
641	490586.72	3859985.12	0.87764	1.88983	0.9255	0.37591	3.55E-03	5.64E-02	5.90E-03	1.19E-03	6.70E-02	3.23E-03	6.09E-08	7.87E-05	3.24E-05	3.34E-03	4.10E-03	5.64E-02	5.90E-03	1.19E-03	6.76E-02
642	490636.72	3859985.12	0.84909	1.86041	0.8998	0.36598	3.43E-03	5.55E-02	5.74E-03	1.16E-03	6.58E-02	3.12E-03	6.00E-08	7.65E-05	3.15E-05	3.23E-03	3.97E-03	5.55E-02	5.74E-03	1.16E-03	6.64E-02
643	490686.72	3859985.12	0.84707	1.81503	0.8938	0.35247	3.42E-03	5.41E-02	5.70E-03	1.11E-03	6.44E-02	3.11E-03	5.85E-08	7.60E-05	3.04E-05	3.22E-03	3.96E-03	5.41E-02	5.70E-03	1.11E-03	6.49E-02
644	490736.72	3859985.12	0.81946	1.79094	0.9549	0.33747	3.31E-03	5.34E-02	6.09E-03	1.07E-03	6.39E-02	3.01E-03	5.77E-08	8.12E-05	2.91E-05	3.12E-03	3.83E-03	5.34E-02	6.09E-03	1.07E-03	6.44E-02
645	490786.72	3859985.12	0.7959	1.76844	0.9867	0.32283	3.22E-03	5.28E-02	6.29E-03	1.02E-03	6.33E-02	2.93E-03	5.70E-08	8.39E-05	2.78E-05	3.04E-03	3.72E-03	5.28E-02	6.29E-03	1.02E-03	6.38E-02
646	490086.72	3860035.12	1.06884	2.22994	1.0322	0.48593	4.32E-03	6.65E-02	6.58E-03	1.53E-03	7.90E-02	3.93E-03	7.19E-08	8.78E-05	4.18E-05	4.06E-03	5.00E-03	6.65E-02	6.58E-03	1.53E-03	7.96E-02
647	490136.72	3860035.12	1.04287	2.19229	0.9801	0.48301	4.22E-03	6.54E-02	6.25E-03	1.53E-03	7.74E-02	3.83E-03	7.07E-08	8.34E-05	4.16E-05	3.96E-03	4.88E-03	6.54E-02	6.25E-03	1.53E-03	7.81E-02
648	490186.72	3860035.12	0.99258	2.15443	0.9212	0.47845	4.01E-03	6.43E-02	5.88E-03	1.51E-03	7.57E-02	3.65E-03	6.94E-08	7.83E-05	4.12E-05	3.77E-03	4.64E-03	6.43E-02	5.88E-03	1.51E-03	7.63E-02
649	490236.72	3860035.12	0.96102	2.09517	0.9305	0.47237	3.88E-03	6.25E-02	5.94E-03	1.49E-03	7.38E-02	3.53E-03	6.75E-08	7.91E-05	4.07E-05	3.65E-03	4.49E-03	6.25E-02	5.94E-03	1.49E-03	7.44E-02
650	490286.72	3860035.12	0.89781	2.07261	1.0319	0.46477	3.63E-03	6.18E-02	6.58E-03	1.47E-03	7.35E-02	3.30E-03	6.68E-08	8.78E-05	4.00E-05	3.43E-03	4.20E-03	6.18E-02	6.58E-03	1.47E-03	7.41E-02
651	490336.72	3860035.12	0.84796	2.02423	1.1273	0.45627	3.43E-03	6.04E-02	7.19E-03	1.44E-03	7.24E-02	3.12E-03	6.52E-08	9.59E-05	3.93E-05	3.25E-03	3.97E-03	6.04E-02	7.19E-03	1.44E-03	7.30E-02
652	490386.72	3860035.12	0.89074	1.99664	1.196	0.44629	3.60E-03	5.96E-02	7.63E-03	1.41E-03	7.22E-02	3.27E-03	6.44E-08	1.02E-04	3.84E-05	3.42E-03	4.17E-03	5.96E-02	7.63E-03	1.41E-03	7.28E-02
653	490436.72	3860035.12	0.93344	1.9701	1.1552	0.4357	3.77E-03	5.88E-02	7.37E-03	1.38E-03	7.13E-02	3.43E-03	6.35E-08	9.82E-05	3.75E-05	3.57E-03	4.37E-03	5.88E-02	7.37E-03	1.38E-03	7.19E-02
654	490486.72	3860035.12	0.93935	1.94246	1.0658	0.42449	3.80E-03	5.80E-02	6.80E-03	1.34E-03	6.99E-02	3.45E-03	6.26E-08	9.06E-05	3.66E-05	3.58E-03	4.39E-03	5.80E-02	6.80E-03	1.34E-03	7.05E-02
655	490536.72	3860035.12	0.91961	1.91345	0.9724	0.41278	3.72E-03	5.71E-02	6.20E-03	1.30E-03	6.83E-02	3.38E-03	6.17E-08	8.27E-05	3.55E-05	3.50E-03	4.30E-03	5.71E-02	6.20E-03	1.30E-03	6.89E-02
656	490586.72	3860035.12	0.869	1.88359	0.9295	0.40064	3.51E-03	5.62E-02	5.93E-03	1.26E-03	6.69E-02	3.19E-03	6.07E-08	7.91E-05	3.45E-05	3.31E-03	4.06E-03	5.62E-02	5.93E-03	1.26E-03	6.75E-02
657	490636.72	3860035.12	0.86146	1.85329	0.9383	0.38257	3.48E-03	5.53E-02	5.98E-03	1.21E-03	6.60E-02	3.17E-03	5.97E-08	7.98E-05	3.29E-05	3.28E-03	4.03E-03	5.53E-02	5.98E-03	1.21E-03	6.65E-02
658	490686.72	3860035.12	0.83638	1.82101	0.8815	0.37075	3.38E-03	5.43E-02	5.62E-03	1.17E-03	6.45E-02	3.07E-03	5.87E-08	7.50E-05	3.19E-05	3.18E-03	3.91E-03	5.43E-02	5.62E-03	1.17E-03	6.50E-02
659	490736.72	3860035.12	0.83508	1.78593	0.8724	0.36395	3.38E-03	5.33E-02	5.56E-03	1.15E-03	6.34E-02	3.07E-03	5.76E-08	7.42E-05	3.13E-05	3.18E-03	3.91E-03	5.33E-02	5.56E-03	1.15E-03	6.39E-02
660	490786.72	3860035.12	0.80964	1.76011	0.9034	0.35109	3.27E-03	5.25E-02	5.76E-03	1.11E-03	6.27E-02	2.98E-03	5.67E-08	7.68E-05	3.02E-05	3.08E-03	3.79E-03	5.25E-02	5.76E-03	1.11E-03	6.32E-02
661	490836.72	3860035.12	0.79327	1.72295	0.9549	0.33807	3.21E-03	5.14E-02	6.09E-03	1.07E-03	6.18E-02	2.92E-03	5.55E-08	8.12E-05	2.91E-05	3.03E-03	3.71E-03	5.14E-02	6.09E-03	1.07E-03	6.23E-02
662	490086.72	3860085.12	1.05368	2.22144	1.0486	0.44853	4.26E-03	6.63E-02	6.69E-03	1.42E-03	7.86E-02	3.87E-03	7.16E-08	8.92E-05	3.86E-05	4.00E-03	4.93E-03	6.63E-02	6.69E-03	1.42E-03	7.93E-02
663	490136.72	3860085.12	1.04969	2.17974	1.0353	0.4349	4.24E-03	6.50E-02	6.60E-03	1.37E-03	7.72E-02	3.86E-03	7.03E-08	8.80E-05	3.74E-05	3.98E-03	4.91E-03	6.50E-02	6.60E-03	1.37E-03	7.79E-02
664	490186.72	3860085.12	1.0232	2.13206	0.9854	0.42901	4.14E-03	6.36E-02	6.29E-03	1.35E-03	7.54E-02	3.76E-03	6.87E-08	8.38E-05	3.69E-05	3.88E-03	4.79E-03	6.36E-02	6.29E-03	1.35E-03	7.60E-02
665	490236.72	3860085.12	0.978	2.10041	0.9264	0.42238	3.95E-03	6.27E-02	5.91E-03	1.33E-03	7.39E-02	3.60E-03	6.77E-08	7.88E-05	3.64E-05	3.71E-03	4.57E-03	6.27E-02	5.91E-03	1.33E-03	7.45E-02
666	490286.72	3860085.12	0.94054	2.06668	0.9132	0.4166	3.80E-03	6.17E-02	5.82E-03	1.32E-03	7.26E-02	3.46E-03	6.66E-08	7.77E-05	3.59E-05	3.57E-03	4.40E-03	6.17E-02	5.82E-03	1.32E-03	7.32E-02
667	490336.72	3860085.12	0.88536	2.03146	1.0098	0.41068	3.58E-03	6.06E-02	6.44E-03	1.30E-03	7.19E-02	3.26E-03	6.55E-08	8.59E-05	3.54E-05	3.38E-03	4.14E-03	6.06E-02	6.44E-03	1.30E-03	7.25E-02

668	490386.72	3860085.12	0.83581	2.00256	1.0964	0.40528	3.38E-03	5.97E-02	6.99E-03	1.28E-03	7.14E-02	3.07E-03	6.45E-08	9.32E-05	3.49E-05	3.20E-03	3.91E-03	5.97E-02	6.99E-03	1.28E-03	7.19E-02
669	490436.72	3860085.12	0.86293	1.97499	1.1687	0.39988	3.49E-03	5.89E-02	7.45E-03	1.26E-03	7.11E-02	3.17E-03	6.37E-08	9.94E-05	3.44E-05	3.31E-03	4.04E-03	5.89E-02	7.45E-03	1.26E-03	7.17E-02
670	490486.72	3860085.12	0.90509	1.95218	1.1612	0.39409	3.66E-03	5.82E-02	7.41E-03	1.24E-03	7.05E-02	3.33E-03	6.29E-08	9.88E-05	3.39E-05	3.46E-03	4.23E-03	5.82E-02	7.41E-03	1.24E-03	7.11E-02
671	490536.72	3860085.12	0.92286	1.93139	1.0789	0.38979	3.73E-03	5.76E-02	6.88E-03	1.23E-03	6.95E-02	3.39E-03	6.22E-08	9.18E-05	3.36E-05	3.52E-03	4.32E-03	5.76E-02	6.88E-03	1.23E-03	7.00E-02
672	490586.72	3860085.12	0.90434	1.91011	0.9873	0.38534	3.66E-03	5.70E-02	6.30E-03	1.22E-03	6.82E-02	3.32E-03	6.16E-08	8.40E-05	3.32E-05	3.44E-03	4.23E-03	5.70E-02	6.30E-03	1.22E-03	6.87E-02
673	490636.72	3860085.12	0.85203	1.88594	0.9191	0.37978	3.44E-03	5.63E-02	5.86E-03	1.20E-03	6.68E-02	3.13E-03	6.08E-08	7.82E-05	3.27E-05	3.24E-03	3.98E-03	5.63E-02	5.86E-03	1.20E-03	6.73E-02
674	490686.72	3860085.12	0.8482	1.85422	0.9282	0.3756	3.43E-03	5.53E-02	5.92E-03	1.19E-03	6.59E-02	3.12E-03	5.98E-08	7.89E-05	3.23E-05	3.23E-03	3.97E-03	5.53E-02	5.92E-03	1.19E-03	6.64E-02
675	490736.72	3860085.12	0.82933	1.82113	0.8847	0.36768	3.35E-03	5.43E-02	5.64E-03	1.16E-03	6.45E-02	3.05E-03	5.87E-08	7.52E-05	3.17E-05	3.16E-03	3.88E-03	5.43E-02	5.64E-03	1.16E-03	6.50E-02
676	490786.72	3860085.12	0.81122	1.76458	0.8641	0.35453	3.28E-03	5.26E-02	5.51E-03	1.12E-03	6.26E-02	2.98E-03	5.69E-08	7.35E-05	3.05E-05	3.09E-03	3.79E-03	5.26E-02	5.51E-03	1.12E-03	6.31E-02
677	490836.72	3860085.12	0.7988	1.74181	0.8525	0.34083	3.23E-03	5.20E-02	5.44E-03	1.08E-03	6.17E-02	2.94E-03	5.61E-08	7.25E-05	2.93E-05	3.04E-03	3.74E-03	5.20E-02	5.44E-03	1.08E-03	6.22E-02
678	490086.72	3860135.12	0.95316	2.24078	0.9245	0.44275	3.85E-03	6.68E-02	5.90E-03	1.40E-03	7.80E-02	3.50E-03	7.22E-08	7.86E-05	3.81E-05	3.62E-03	4.46E-03	6.69E-02	5.90E-03	1.40E-03	7.86E-02
679	490136.72	3860135.12	1.02321	2.17694	1.0149	0.44194	4.14E-03	6.49E-02	6.47E-03	1.40E-03	7.70E-02	3.76E-03	7.02E-08	8.63E-05	3.81E-05	3.89E-03	4.79E-03	6.49E-02	6.47E-03	1.40E-03	7.76E-02
680	490186.72	3860135.12	1.03172	2.14851	1.0379	0.43345	4.17E-03	6.41E-02	6.62E-03	1.37E-03	7.63E-02	3.79E-03	6.92E-08	8.83E-05	3.73E-05	3.92E-03	4.82E-03	6.41E-02	6.62E-03	1.37E-03	7.69E-02
681	490236.72	3860135.12	0.99942	2.11926	0.986	0.42516	4.04E-03	6.32E-02	6.29E-03	1.34E-03	7.49E-02	3.67E-03	6.83E-08	8.39E-05	3.66E-05	3.79E-03	4.67E-03	6.32E-02	6.29E-03	1.34E-03	7.55E-02
682	490286.72	3860135.12	0.96158	2.08733	0.9283	0.41878	3.89E-03	6.23E-02	5.92E-03	1.32E-03	7.34E-02	3.54E-03	6.73E-08	7.89E-05	3.61E-05	3.65E-03	4.50E-03	6.23E-02	5.92E-03	1.32E-03	7.40E-02
683	490336.72	3860135.12	0.91877	2.0536	0.8917	0.41281	3.71E-03	6.13E-02	5.69E-03	1.30E-03	7.20E-02	3.38E-03	6.62E-08	7.58E-05	3.55E-05	3.49E-03	4.30E-03	6.13E-02	5.69E-03	1.30E-03	7.26E-02
684	490386.72	3860135.12	0.87248	2.01831	0.9861	0.39289	3.53E-03	6.02E-02	6.29E-03	1.24E-03	7.13E-02	3.21E-03	6.51E-08	8.39E-05	3.38E-05	3.33E-03	4.08E-03	6.02E-02	6.29E-03	1.24E-03	7.18E-02
685	490436.72	3860135.12	0.8243	1.97991	1.0687	0.37415	3.33E-03	5.91E-02	6.82E-03	1.18E-03	7.04E-02	3.03E-03	6.38E-08	9.09E-05	3.22E-05	3.15E-03	3.85E-03	5.91E-02	6.82E-03	1.18E-03	7.09E-02
686	490486.72	3860135.12	0.83547	1.94245	1.1408	0.36013	3.38E-03	5.79E-02	7.28E-03	1.14E-03	6.97E-02	3.07E-03	6.26E-08	9.70E-05	3.10E-05	3.20E-03	3.91E-03	5.79E-02	7.28E-03	1.14E-03	7.03E-02
687	490536.72	3860135.12	0.87886	1.90292	1.1722	0.35901	3.55E-03	5.68E-02	7.48E-03	1.13E-03	6.89E-02	3.23E-03	6.13E-08	9.97E-05	3.09E-05	3.36E-03	4.11E-03	5.68E-02	7.48E-03	1.13E-03	6.95E-02
688	490586.72	3860135.12	0.90671	1.87216	1.0909	0.35511	3.67E-03	5.59E-02	6.96E-03	1.12E-03	6.76E-02	3.33E-03	6.03E-08	9.28E-05	3.06E-05	3.46E-03	4.24E-03	5.59E-02	6.96E-03	1.12E-03	6.82E-02
689	490636.72	3860135.12	0.88886	1.85059	0.9998	0.34978	3.59E-03	5.52E-02	6.38E-03	1.10E-03	6.63E-02	3.27E-03	5.96E-08	8.50E-05	3.01E-05	3.38E-03	4.16E-03	5.52E-02	6.38E-03	1.10E-03	6.68E-02
690	490686.72	3860135.12	0.84006	1.8287	0.9092	0.34327	3.40E-03	5.46E-02	5.80E-03	1.08E-03	6.48E-02	3.09E-03	5.89E-08	7.73E-05	2.96E-05	3.20E-03	3.93E-03	5.46E-02	5.80E-03	1.08E-03	6.54E-02
691	490736.72	3860135.12	0.83321	1.8073	0.8944	0.33811	3.37E-03	5.39E-02	5.71E-03	1.07E-03	6.41E-02	3.06E-03	5.83E-08	7.61E-05	2.91E-05	3.17E-03	3.90E-03	5.39E-02	5.71E-03	1.07E-03	6.46E-02
692	490786.72	3860135.12	0.81635	1.77629	0.8946	0.336	3.30E-03	5.30E-02	5.71E-03	1.06E-03	6.31E-02	3.00E-03	5.73E-08	7.61E-05	2.89E-05	3.11E-03	3.82E-03	5.30E-02	5.71E-03	1.06E-03	6.36E-02
693	490836.72	3860135.12	0.78447	1.7551	0.8431	0.32708	3.17E-03	5.24E-02	5.38E-03	1.03E-03	6.19E-02	2.88E-03	5.66E-08	7.17E-05	2.82E-05	2.98E-03	3.67E-03	5.24E-02	5.38E-03	1.03E-03	6.24E-02
694	490086.72	3860185.12	0.92572	2.24882	0.833	0.39368	3.74E-03	6.71E-02	5.31E-03	1.24E-03	7.74E-02	3.40E-03	7.25E-08	7.08E-05	3.39E-05	3.51E-03	4.33E-03	6.71E-02	5.31E-03	1.24E-03	7.80E-02
695	490136.72	3860185.12	0.93218	2.18606	0.9072	0.40297	3.77E-03	6.52E-02	5.79E-03	1.27E-03	7.60E-02	3.43E-03	7.05E-08	7.72E-05	3.47E-05	3.54E-03	4.36E-03	6.52E-02	5.79E-03	1.27E-03	7.66E-02
696	490186.72	3860185.12	0.9999	2.15914	1.0041	0.40418	4.04E-03	6.44E-02	6.40E-03	1.28E-03	7.61E-02	3.68E-03	6.96E-08	8.54E-05	3.48E-05	3.80E-03	4.68E-03	6.44E-02	6.40E-03	1.28E-03	7.68E-02
697	490236.72	3860185.12	1.01264	2.13309	1.0378	0.39419	4.09E-03	6.36E-02	6.62E-03	1.24E-03	7.56E-02	3.72E-03	6.88E-08	8.83E-05	3.39E-05	3.85E-03	4.74E-03	6.36E-02	6.62E-03	1.24E-03	7.62E-02
698	490286.72	3860185.12	0.98212	2.10623	0.9866	0.38013	3.97E-03	6.28E-02	6.29E-03	1.20E-03	7.43E-02	3.61E-03	6.79E-08	8.39E-05	3.27E-05	3.73E-03	4.59E-03	6.28E-02	6.29E-03	1.20E-03	7.49E-02
699	490336.72	3860185.12	0.94532	2.05565	0.9288	0.38693	3.82E-03	6.13E-02	5.92E-03	1.22E-03	7.23E-02	3.48E-03	6.63E-08	7.90E-05	3.33E-05	3.59E-03	4.42E-03	6.13E-02	5.92E-03	1.22E-03	7.29E-02
700	490386.72	3860185.12	0.90394	2.02171	0.8688	0.39289	3.65E-03	6.03E-02	5.54E-03	1.24E-03	7.08E-02	3.32E-03	6.52E-08	7.39E-05	3.38E-05	3.43E-03	4.23E-03	6.03E-02	5.54E-03	1.24E-03	7.13E-02
701	490436.72	3860185.12	0.85945	1.9815	0.9615	0.39712	3.47E-03	5.91E-02	6.13E-03	1.25E-03	7.00E-02	3.16E-03	6.39E-08	8.18E-05	3.42E-05	3.28E-03	4.02E-03	5.91E-02	6.13E-03	1.25E-03	7.05E-02
702	490486.72	3860185.12	0.81336	1.93565	1.0443	0.39818	3.29E-03	5.77E-02	6.66E-03	1.26E-03	6.90E-02	2.99E-03	6.24E-08	8.88E-05	3.43E-05	3.11E-03	3.80E-03	5.77E-02	6.66E-03	1.26E-03	6.95E-02
703	490536.72	3860185.12	0.81025	1.8929	1.1177	0.37898	3.28E-03	5.65E-02	7.13E-03	1.20E-03	6.81E-02	2.98E-03	6.10E-08	9.51E-05	3.26E-05	3.11E-03	3.79E-03	5.65E-02	7.13E-03	1.20E-03	6.86E-02
704	490586.72	3860185.12	0.85325	1.87062	1.1807	0.36164	3.45E-03	5.58E-02	7.53E-03	1.14E-03	6.79E-02	3.14E-03	6.03E-08	1.00E-04	3.11E-05	3.27E-03	3.99E-03	5.58E-02	7.53E-03	1.14E-03	6.85E-02
705	490636.72	3860185.12	0.89008	1.8406	1.0996	0.34234	3.60E-03	5.49E-02	7.01E-03	1.08E-03	6.66E-02	3.27E-03	5.93E-08	9.35E-05	2.95E-05	3.40E-03	4.16E-03	5.49E-02	7.01E-03	1.08E-03	6.72E-02
706	490686.72	3860185.12	0.87431	1.81544	1.0132	0.32645	3.53E-03	5.42E-02	6.46E-03	1.03E-03	6.52E-02	3.21E-03	5.85E-08	8.62E-05	2.81E-05	3.33E-03	4.09E-03	5.42E-02	6.46E-03	1.03E-03	6.57E-02
707	490736.72	3860185.12	0.84047	1.7769	0.9167	0.31278	3.40E-03	5.30E-02	5.85E-03	9.88E-04	6.32E-02	3.09E-03	5.73E-08	7.80E-05	2.69E-05	3.19E-03	3.93E-03	5.30E-02	5.85E-03	9.88E-04	6.38E-02
708	490786.72	3860185.12	0.81862	1.70869	0.8856	0.30807	3.31E-03	5.10E-02	5.65E-03	9.73E-04	6.09E-02	3.01E-03	5.51E-08	7.53E-05	2.65E-05	3.11E-03	3.83E-03	5.10E-02	5.65E-03	9.73E-04	6.14E-02
709	490836.72	3860185.12	0.80368	1.68694	0.9033	0.30678	3.25E-03	5.03E-02	5.76E-03	9.69E-04	6.03E-02	2.95E-03	5.44E-08	7.68E-05	2.64E-05	3.06E-03	3.76E-03	5.03E-02	5.76E-03	9.69E-04	6.08E-02
710	490086.72	3860235.12	0.89562	2.29204	0.7542	0.4356	3.62E-03	6.84E-02	4.81E-03	1.38E-03	7.82E-02	3.29E-03	7.39E-08	6.41E-05	3.75E-05	3.39E-03	4.19E-03	6.84E-02	4.81E-03	1.38E-03	7.88E-02
711	490136.72	3860235.12	0.90954	2.22446	0.843	0.42197	3.68E-03	6.64E-02	5.38E-03	1.33E-03	7.67E-02	3.34E-03	7.17E-08	7.17E-05	3.63E-05	3.45E-03	4.25E-03	6.64E-02	5.38E-03	1.33E-03	7.73E-02
712	490186.72	3860235.12	0.91533	2.15935	0.8908	0.38436	3.70E-03	6.44E-02	5.68E-03	1.21E-03	7.50E-02	3.37E-03	6.96E-08	7.58E-05	3.31E-05	3.47E-03	4.28E-03	6.44E-02	5.68E-03	1.21E-03	7.56E-02
713	490236.72	3860235.12	0.97598	2.11849	0.9883	0.37491	3.95E-03	6.32E-02	6.30E-03	1.18E-03	7.46E-02	3.59E-03	6.83E-08	8.41E-05	3.23E-05	3.70E-03	4.56E-03	6.32E-02	6.30E-03	1.18E-03	7.53E-02
714	490286.72	3860235.12	0.99431	2.0876	1.0331	0.37073	4.02E-03	6.23E-02	6.59E-03	1.17E-03	7.41E-02	3.66E-03	6.73E-08	8.79E-05	3.19E-05	3.78E-03	4.65E-03	6.23E-02	6.59E-03	1.17E-03	7.47E-02
715	490336.72	3860235.12	0.96524	2.05653	0.986	0.37382	3.90E-03	6.14E-02	6.29E-03	1.18E-03	7.27E-02	3.55E-03	6.63E-08	8.39E-05	3.22E-05	3.66E-03	4.51E-03	6.14E-02	6.29E-03	1.18E-03	7.33E-02
716	490386.72	3860235.12	0.93005	2.02526	0.929	0.37334	3.76E-03	6.04E-02	5.93E-03	1.18E-03	7.13E-02	3.42E-03	6.53E-08	7.90E-05	3.21E-05	3.53E-03	4.35E-03	6.04E-02	5.93E-03	1.18E-03	7.19E-02
717	490436.72	3860235.12	0.89053	1.97548	0.8681	0.35484	3.60E-03	5.89E-02	5.54E-03	1.12E-03	6.92E-02	3.27E-03	6.37E-08	7.38E-05	3.06E-05	3.38E-03	4.16E-03	5.89E-02	5.54E-03	1.12E-03	6.98E-02
718	490486.72	3860235.12	0.84762	1.92599	0.94	0.34927	3.43E-03	5.75E-02	6.00E-03	1.10E-03	6.80E-02	3.12E-03	6.21E-08	7.99E-05	3.01E-05	3.23E-03	3.96E-03	5.75E-02	6.00E-03	1.10E-03	6.85E-02
719	490536.72	3860235.12	0.80335	1.89597	1.0232	0.34394	3.25E-03	5.66E-02	6.53E-03	1.09E-03	6.74E-02	2.95E-03	6.11E-08	8.70E-05	2.96E-05	3.07E-03	3.76E-03	5.66E-02	6.53E-03	1.09E-03	6.79E-02
720	490586.72	3860235.12	0.78737	1.85887	1.0965	0.3387	3.18E-03	5.55E-02	6.99E-03	1.07E-03	6.67E-02	2.89E-03	5.99E-08	9.33E-05	2.92E-05	3.02E-03	3.68E-03	5.55E-02	6.99E-03	1.07E-03	6.72E-02
721	490636.72	3860235.12	0.828	1.82086	1.156	0.33331	3.35E-03	5.43E-02	7.37E-03	1.05E-03	6.61E-02	3.04E-03	5.87E-08	9.83E-05	2.87E-05	3.17E-03	3.87E-03	5.43E-02	7.37E-03	1.05E-03	6.66E-02
722	490686.72	3860235.12	0.86592	1.78223	1.1103	0.3305	3.50E-03	5.32E-02	7.08E-03	1.04E-03	6.48E-02	3.18E-03	5.74E-08	9.44E-05	2.85E-05	3.31E-03	4.05E-03	5.32E-02	7.08E-03	1.04E-03	6.53E-02
723	490736.72	3860235.12	0.85934	1.74505	1.0239	0.33081	3.47E-03	5.21E-02	6.53E-03	1.04E-03	6.31E-02	3.16E-03	5.62E-08	8.71E-05	2.85E-05	3.27E-03	4.02E-03	5.21E-02	6.53E-03	1.04E-03	6.37E-02
724	490786.72	3860235.12	0.84005	1.70288	0.9314	0.32497	3.40E-03	5.08E-02	5.94E-03	1.03E-03	6.12E-02	3.09E-03	5.49E-08	7.92E-05	2.80E-05	3.20E-03	3.93E-03	5.08E-02	5.94E-03	1.03E-03	6.17E-02
725	490086.72	3860285.12	0.90203	2.31103	0.7964	0.45827	3.65E-03	6.89E-02	5.08E-03	1.45E-03	7.91E-02	3.32E-03	7.45E-08	6.77E-05	3.95E-05	3.42E-03	4.22E-03	6.89E-02	5.08E-03	1.45E-03	7.97E-02
726	490136.72	3860285.12	0.87953	2.23528	0.7502	0.44148	3.56E-03	6.67E-02	4.78E-03	1.39E-03	7.64E-02	3.23E-03	7.20E-08	6.38E-05	3.80E-05	3.34E-03	4.11E-03	6.67E-02	4.78E-03	1.39E-03	7.70E-02
727	490186.72	3860285.12	0.89283	2.16287	0.8486	0.42031	3.61E-03	6.45E-02	5.41E-03	1.33E-03	7.49E-02	3.28E-03	6.97E-08	7.22E-05	3.62E-05	3.39E-03	4.18E-03	6.45E-02	5.41E-03	1.33E-03	7.54E-02
728	490236.72	3860285.12	0.89871	2.09314	0.8747	0.39629	3.63E-03	6.24E-02	5.58E-03	1.25E-03	7.29E-02	3.30E-03	6.75E-08	7.44E-05	3.41E-05	3.41E-03	4.20E-03	6.24E-02	5.58E-03	1.25E-03	7.35E-02

729	490286.72	3860285.12	0.95276	2.03111	0.9729	0.38323	3.85E-03	6.06E-02	6.21E-03	1.21E-03	7.19E-02	3.50E-03	6.55E-08	8.27E-05	3.30E-05	3.62E-03	4.46E-03	6.06E-02	6.21E-03	1.21E-03	7.25E-02
730	490336.72	3860285.12	0.97638	1.99759	1.0124	0.37497	3.95E-03	5.96E-02	6.46E-03	1.18E-03	7.12E-02	3.59E-03	6.44E-08	8.61E-05	3.23E-05	3.71E-03	4.57E-03	5.96E-02	6.46E-03	1.18E-03	7.18E-02
731	490386.72	3860285.12	0.9491	1.97683	0.9848	0.37022	3.84E-03	5.90E-02	6.28E-03	1.17E-03	7.03E-02	3.49E-03	6.37E-08	8.38E-05	3.19E-05	3.61E-03	4.44E-03	5.90E-02	6.28E-03	1.17E-03	7.09E-02
732	490436.72	3860285.12	0.9172	1.95617	0.9283	0.36502	3.71E-03	5.84E-02	5.92E-03	1.15E-03	6.91E-02	3.37E-03	6.30E-08	7.90E-05	3.14E-05	3.48E-03	4.29E-03	5.84E-02	5.92E-03	1.15E-03	6.97E-02
733	490486.72	3860285.12	0.87708	1.90791	0.8682	0.35155	3.55E-03	5.69E-02	5.54E-03	1.11E-03	6.71E-02	3.22E-03	6.15E-08	7.38E-05	3.03E-05	3.33E-03	4.10E-03	5.69E-02	5.54E-03	1.11E-03	6.77E-02
734	490536.72	3860285.12	0.84194	1.86287	0.9191	0.33486	3.40E-03	5.56E-02	5.86E-03	1.06E-03	6.59E-02	3.10E-03	6.00E-08	7.82E-05	2.88E-05	3.20E-03	3.94E-03	5.56E-02	5.86E-03	1.06E-03	6.64E-02
735	490586.72	3860285.12	0.79271	1.82939	0.9995	0.33828	3.20E-03	5.46E-02	6.38E-03	1.07E-03	6.52E-02	2.91E-03	5.90E-08	8.50E-05	2.91E-05	3.03E-03	3.71E-03	5.46E-02	6.38E-03	1.07E-03	6.57E-02
736	490636.72	3860285.12	0.77125	1.79648	1.0713	0.342	3.12E-03	5.36E-02	6.83E-03	1.08E-03	6.46E-02	2.84E-03	5.79E-08	9.11E-05	2.94E-05	2.96E-03	3.61E-03	5.36E-02	6.83E-03	1.08E-03	6.51E-02
737	490686.72	3860285.12	0.80384	1.76411	1.1322	0.33765	3.25E-03	5.26E-02	7.22E-03	1.07E-03	6.42E-02	2.96E-03	5.69E-08	9.63E-05	2.91E-05	3.08E-03	3.76E-03	5.26E-02	7.22E-03	1.07E-03	6.47E-02
738	490736.72	3860285.12	0.84124	1.73131	1.1168	0.33204	3.40E-03	5.17E-02	7.12E-03	1.05E-03	6.32E-02	3.09E-03	5.58E-08	9.50E-05	2.86E-05	3.22E-03	3.93E-03	5.17E-02	7.12E-03	1.05E-03	6.38E-02
739	490786.72	3860285.12	0.84512	1.69624	1.0352	0.32668	3.42E-03	5.06E-02	6.60E-03	1.03E-03	6.17E-02	3.11E-03	5.47E-08	8.80E-05	2.81E-05	3.22E-03	3.95E-03	5.06E-02	6.60E-03	1.03E-03	6.22E-02
740	490086.72	3860335.12	0.9207	2.29368	0.8297	0.42365	3.72E-03	6.84E-02	5.29E-03	1.34E-03	7.88E-02	3.38E-03	7.39E-08	7.06E-05	3.65E-05	3.49E-03	4.31E-03	6.84E-02	5.29E-03	1.34E-03	7.94E-02
741	490136.72	3860335.12	0.88784	2.2071	0.7928	0.42739	3.59E-03	6.58E-02	5.06E-03	1.35E-03	7.58E-02	3.26E-03	7.11E-08	6.74E-05	3.68E-05	3.37E-03	4.15E-03	6.58E-02	5.06E-03	1.35E-03	7.64E-02
742	490186.72	3860335.12	0.86324	2.12033	0.7455	0.42471	3.49E-03	6.33E-02	4.76E-03	1.34E-03	7.28E-02	3.17E-03	6.83E-08	6.34E-05	3.66E-05	3.27E-03	4.04E-03	6.33E-02	4.76E-03	1.34E-03	7.34E-02
743	490236.72	3860335.12	0.87726	2.06155	0.8555	0.41649	3.55E-03	6.15E-02	5.46E-03	1.32E-03	7.18E-02	3.23E-03	6.64E-08	7.28E-05	3.59E-05	3.33E-03	4.10E-03	6.15E-02	5.46E-03	1.32E-03	7.24E-02
744	490286.72	3860335.12	0.88205	2.03019	0.8588	0.40341	3.57E-03	6.06E-02	5.48E-03	1.27E-03	7.09E-02	3.24E-03	6.54E-08	7.30E-05	3.47E-05	3.35E-03	4.12E-03	6.06E-02	5.48E-03	1.27E-03	7.14E-02
745	490336.72	3860335.12	0.93024	2.00227	0.9579	0.3853	3.76E-03	5.97E-02	6.11E-03	1.22E-03	7.08E-02	3.42E-03	6.45E-08	8.15E-05	3.32E-05	3.53E-03	4.35E-03	5.97E-02	6.11E-03	1.22E-03	7.14E-02
746	490386.72	3860335.12	0.95938	1.97384	0.993	0.38006	3.88E-03	5.89E-02	6.33E-03	1.20E-03	7.03E-02	3.53E-03	6.36E-08	8.44E-05	3.27E-05	3.64E-03	4.49E-03	5.89E-02	6.33E-03	1.20E-03	7.09E-02
747	490436.72	3860335.12	0.93294	1.93439	0.9822	0.36952	3.77E-03	5.77E-02	6.26E-03	1.17E-03	6.89E-02	3.43E-03	6.23E-08	8.35E-05	3.18E-05	3.55E-03	4.36E-03	5.77E-02	6.26E-03	1.17E-03	6.95E-02
748	490486.72	3860335.12	0.90409	1.88409	0.9264	0.3424	3.65E-03	5.62E-02	5.91E-03	1.08E-03	6.69E-02	3.32E-03	6.07E-08	7.88E-05	2.95E-05	3.43E-03	4.23E-03	5.62E-02	5.91E-03	1.08E-03	6.74E-02
749	490536.72	3860335.12	0.86416	1.86296	0.8676	0.33714	3.49E-03	5.56E-02	5.53E-03	1.06E-03	6.57E-02	3.18E-03	6.00E-08	7.38E-05	2.90E-05	3.28E-03	4.04E-03	5.56E-02	5.53E-03	1.06E-03	6.62E-02
750	490586.72	3860335.12	0.83642	1.84	0.8994	0.33171	3.38E-03	5.49E-02	5.74E-03	1.05E-03	6.51E-02	3.08E-03	5.93E-08	7.65E-05	2.86E-05	3.18E-03	3.91E-03	5.49E-02	5.74E-03	1.05E-03	6.56E-02
751	490636.72	3860335.12	0.78296	1.75845	0.9789	0.32499	3.16E-03	5.25E-02	6.24E-03	1.03E-03	6.29E-02	2.88E-03	5.67E-08	8.33E-05	2.80E-05	2.99E-03	3.66E-03	5.25E-02	6.24E-03	1.03E-03	6.34E-02
752	490686.72	3860335.12	0.7562	1.71338	1.0496	0.32144	3.06E-03	5.11E-02	6.69E-03	1.01E-03	6.19E-02	2.78E-03	5.52E-08	8.93E-05	2.77E-05	2.90E-03	3.54E-03	5.11E-02	6.69E-03	1.01E-03	6.24E-02
753	490736.72	3860335.12	0.78079	1.69086	1.109	0.31646	3.16E-03	5.04E-02	7.07E-03	9.99E-04	6.17E-02	2.87E-03	5.45E-08	9.43E-05	2.73E-05	2.99E-03	3.65E-03	5.04E-02	7.07E-03	9.99E-04	6.22E-02
754	490786.72	3860335.12	0.8189	1.66778	1.1271	0.3118	3.31E-03	4.98E-02	7.19E-03	9.84E-04	6.12E-02	3.01E-03	5.38E-08	9.59E-05	2.68E-05	3.13E-03	3.83E-03	4.98E-02	7.19E-03	9.84E-04	6.18E-02
755	490086.72	3860385.12	0.89478	2.23879	0.89	0.39011	3.62E-03	6.68E-02	5.68E-03	1.23E-03	7.73E-02	3.29E-03	7.22E-08	7.57E-05	3.36E-05	3.40E-03	4.18E-03	6.68E-02	5.68E-03	1.23E-03	7.79E-02
756	490136.72	3860385.12	0.90493	2.15894	0.8273	0.38538	3.66E-03	6.44E-02	5.28E-03	1.22E-03	7.46E-02	3.33E-03	6.96E-08	7.04E-05	3.32E-05	3.43E-03	4.23E-03	6.44E-02	5.28E-03	1.22E-03	7.51E-02
757	490186.72	3860385.12	0.8728	2.10687	0.788	0.40247	3.53E-03	6.29E-02	5.03E-03	1.27E-03	7.27E-02	3.21E-03	6.79E-08	6.70E-05	3.47E-05	3.31E-03	4.08E-03	6.29E-02	5.03E-03	1.27E-03	7.32E-02
758	490236.72	3860385.12	0.84765	2.02699	0.7408	0.40084	3.43E-03	6.05E-02	4.73E-03	1.27E-03	6.99E-02	3.12E-03	6.53E-08	6.30E-05	3.45E-05	3.21E-03	3.96E-03	6.05E-02	4.73E-03	1.27E-03	7.04E-02
759	490286.72	3860385.12	0.86049	1.97701	0.8562	0.39709	3.48E-03	5.90E-02	5.46E-03	1.25E-03	6.92E-02	3.16E-03	6.37E-08	7.28E-05	3.42E-05	3.27E-03	4.02E-03	5.90E-02	5.46E-03	1.25E-03	6.97E-02
760	490336.72	3860385.12	0.86579	1.93045	0.8433	0.39296	3.50E-03	5.76E-02	5.38E-03	1.24E-03	6.77E-02	3.18E-03	6.22E-08	7.17E-05	3.38E-05	3.29E-03	4.05E-03	5.76E-02	5.38E-03	1.24E-03	6.83E-02
761	490386.72	3860385.12	0.90836	1.91276	0.9432	0.38845	3.67E-03	5.71E-02	6.02E-03	1.23E-03	6.80E-02	3.34E-03	6.16E-08	8.02E-05	3.34E-05	3.45E-03	4.25E-03	5.71E-02	6.02E-03	1.23E-03	6.86E-02
762	490436.72	3860385.12	0.94243	1.89668	0.974	0.38372	3.81E-03	5.66E-02	6.21E-03	1.21E-03	6.78E-02	3.46E-03	6.11E-08	8.28E-05	3.30E-05	3.58E-03	4.41E-03	5.66E-02	6.21E-03	1.21E-03	6.84E-02
763	490486.72	3860385.12	0.91772	1.86705	0.9792	0.37664	3.71E-03	5.57E-02	6.25E-03	1.19E-03	6.68E-02	3.37E-03	6.02E-08	8.33E-05	3.24E-05	3.49E-03	4.29E-03	5.57E-02	6.25E-03	1.19E-03	6.74E-02
764	490536.72	3860385.12	0.89183	1.84766	0.9245	0.35617	3.60E-03	5.51E-02	5.90E-03	1.12E-03	6.57E-02	3.28E-03	5.96E-08	7.86E-05	3.07E-05	3.39E-03	4.17E-03	5.51E-02	5.90E-03	1.12E-03	6.63E-02
765	490586.72	3860385.12	0.85149	1.82576	0.8661	0.33818	3.44E-03	5.45E-02	5.52E-03	1.07E-03	6.45E-02	3.13E-03	5.88E-08	7.37E-05	2.91E-05	3.23E-03	3.98E-03	5.45E-02	5.52E-03	1.07E-03	6.50E-02
766	490636.72	3860385.12	0.83059	1.79119	0.8807	0.3329	3.36E-03	5.34E-02	5.62E-03	1.05E-03	6.35E-02	3.05E-03	5.77E-08	7.49E-05	2.87E-05	3.16E-03	3.88E-03	5.34E-02	5.62E-03	1.05E-03	6.40E-02
767	490686.72	3860385.12	0.77354	1.70698	0.9596	0.32789	3.13E-03	5.09E-02	6.12E-03	1.04E-03	6.12E-02	2.84E-03	5.50E-08	8.16E-05	2.82E-05	2.95E-03	3.62E-03	5.09E-02	6.12E-03	1.04E-03	6.17E-02
768	490736.72	3860385.12	0.74112	1.66175	1.0275	0.31184	3.00E-03	4.96E-02	6.55E-03	9.85E-04	6.01E-02	2.72E-03	5.36E-08	8.74E-05	2.69E-05	2.84E-03	3.47E-03	4.96E-02	6.55E-03	9.85E-04	6.06E-02
769	490786.72	3860385.12	0.75871	1.64417	1.0864	0.30496	3.07E-03	4.91E-02	6.93E-03	9.63E-04	6.00E-02	2.79E-03	5.30E-08	9.24E-05	2.63E-05	2.91E-03	3.55E-03	4.91E-02	6.93E-03	9.63E-04	6.05E-02
770	490136.72	3860435.12	0.87854	2.09806	0.8812	0.36523	3.55E-03	6.26E-02	5.62E-03	1.15E-03	7.29E-02	3.23E-03	6.76E-08	7.49E-05	3.14E-05	3.34E-03	4.11E-03	6.26E-02	5.62E-03	1.15E-03	7.35E-02
771	490186.72	3860435.12	0.88774	2.04469	0.8232	0.35798	3.59E-03	6.10E-02	5.25E-03	1.13E-03	7.10E-02	3.26E-03	6.59E-08	7.00E-05	3.08E-05	3.36E-03	4.15E-03	6.10E-02	5.25E-03	1.13E-03	7.15E-02
772	490236.72	3860435.12	0.85887	1.99684	0.7836	0.36825	3.47E-03	5.96E-02	5.00E-03	1.16E-03	6.92E-02	3.16E-03	6.44E-08	6.66E-05	3.17E-05	3.26E-03	4.02E-03	5.96E-02	5.00E-03	1.16E-03	6.97E-02
773	490286.72	3860435.12	0.83192	1.94251	0.7449	0.37472	3.36E-03	5.80E-02	4.75E-03	1.18E-03	6.72E-02	3.06E-03	6.26E-08	6.33E-05	3.23E-05	3.15E-03	3.89E-03	5.80E-02	4.75E-03	1.18E-03	6.78E-02
774	490336.72	3860435.12	0.84424	1.91208	0.8567	0.36954	3.41E-03	5.70E-02	5.46E-03	1.17E-03	6.71E-02	3.10E-03	6.16E-08	7.29E-05	3.18E-05	3.21E-03	3.95E-03	5.70E-02	5.46E-03	1.17E-03	6.76E-02
775	490386.72	3860435.12	0.84989	1.87949	0.8283	0.36447	3.44E-03	5.61E-02	5.28E-03	1.15E-03	6.59E-02	3.12E-03	6.06E-08	7.04E-05	3.14E-05	3.23E-03	3.97E-03	5.61E-02	5.28E-03	1.15E-03	6.65E-02
776	490436.72	3860435.12	0.88712	1.84637	0.9285	0.36605	3.59E-03	5.51E-02	5.92E-03	1.16E-03	6.57E-02	3.26E-03	5.95E-08	7.90E-05	3.15E-05	3.37E-03	4.15E-03	5.51E-02	5.92E-03	1.16E-03	6.63E-02
777	490486.72	3860435.12	0.92603	1.82535	0.9559	0.36363	3.74E-03	5.45E-02	6.10E-03	1.15E-03	6.54E-02	3.40E-03	5.88E-08	8.13E-05	3.13E-05	3.52E-03	4.33E-03	5.45E-02	6.10E-03	1.15E-03	6.60E-02
778	490536.72	3860435.12	0.90252	1.78627	0.9752	0.35759	3.65E-03	5.33E-02	6.22E-03	1.13E-03	6.43E-02	3.32E-03	5.76E-08	8.29E-05	3.08E-05	3.43E-03	4.22E-03	5.33E-02	6.22E-03	1.13E-03	6.49E-02
779	490586.72	3860435.12	0.87879	1.75779	0.921	0.34626	3.55E-03	5.24E-02	5.87E-03	1.09E-03	6.30E-02	3.23E-03	5.67E-08	7.83E-05	2.98E-05	3.34E-03	4.11E-03	5.24E-02	5.87E-03	1.09E-03	6.35E-02
780	490636.72	3860435.12	0.83837	1.73003	0.8632	0.33873	3.39E-03	5.16E-02	5.51E-03	1.07E-03	6.16E-02	3.08E-03	5.58E-08	7.34E-05	2.92E-05	3.18E-03	3.92E-03	5.16E-02	5.51E-03	1.07E-03	6.21E-02
781	490686.72	3860435.12	0.81284	1.70359	0.8615	0.33373	3.29E-03	5.08E-02	5.50E-03	1.05E-03	6.07E-02	2.99E-03	5.49E-08	7.33E-05	2.87E-05	3.09E-03	3.80E-03	5.08E-02	5.50E-03	1.05E-03	6.12E-02
782	490736.72	3860435.12	0.76379	1.64565	0.9394	0.32754	3.09E-03	4.91E-02	5.99E-03	1.03E-03	5.92E-02	2.81E-03	5.30E-08	7.99E-05	2.82E-05	2.92E-03	3.57E-03	4.91E-02	5.99E-03	1.03E-03	5.97E-02
783	490786.72	3860435.12	0.72653	1.61268	1.0066	0.31253	2.94E-03	4.81E-02	6.42E-03	9.87E-04	5.85E-02	2.67E-03	5.20E-08	8.56E-05	2.69E-05	2.78E-03	3.40E-03	4.81E-02	6.42E-03	9.87E-04	5.89E-02
784	490136.72	3860485.12	0.89471	2.03951	0.8748	0.30898	3.62E-03	6.08E-02	5.58E-03	9.76E-04	7.10E-02	3.29E-03	6.57E-08	7.44E-05	2.66E-05	3.39E-03	4.18E-03	6.08E-02	5.58E-03	9.76E-04	7.16E-02
785	490186.72	3860485.12	0.86335	1.98226	0.8708	0.32	3.49E-03	5.91E-02	5.55E-03	1.01E-03	6.92E-02	3.17E-03	6.39E-08	7.41E-05	2.76E-05	3.28E-03	4.04E-03	5.91E-02	5.55E-03	1.01E-03	6.97E-02
786	490236.72	3860485.12	0.87095	1.92664	0.8187	0.33097	3.52E-03	5.75E-02	5.22E-03	1.04E-03	6.73E-02	3.20E-03	6.21E-08	6.96E-05	2.85E-05	3.30E-03	4.07E-03	5.75E-02	5.22E-03	1.04E-03	6.78E-02
787	490286.72	3860485.12	0.8448	1.87453	0.7786	0.34175	3.41E-03	5.59E-02	4.97E-03	1.08E-03	6.54E-02	3.11E-03	6.04E-08	6.62E-05	2.94E-05	3.20E-03	3.95E-03	5.59E-02	4.97E-03	1.08E-03	6.59E-02
788	490336.72	3860485.12	0.81676	1.81953	0.7485	0.33567	3.30E-03	5.43E-02	4.77E-03	1.06E-03	6.34E-02	3.00E-03	5.86E-08	6.37E-05	2.89E-05	3.10E-03	3.82E-03	5.43E-02	4.77E-03	1.06E-03	6.39E-02
789	490386.72	3860485.12	0.82943	1.79111	0.8454	0.33059	3.35E-03	5.34E-02	5.39E-03	1.04E-03	6.32E-02	3.05E-03	5.77E-08	7.19E-05	2.85E-05	3.15E-03	3.88E-03	5.34E-02	5.39E-03	1.04E-03	6.38E-02

790	490436.72	3860485.12	0.83599	1.79368	0.8152	0.33982	3.38E-03	5.35E-02	5.20E-03	1.07E-03	6.32E-02	3.07E-03	5.78E-08	6.93E-05	2.93E-05	3.17E-03	3.91E-03	5.35E-02	5.20E-03	1.07E-03	6.37E-02
791	490486.72	3860485.12	0.86747	1.79332	0.9166	0.34695	3.51E-03	5.35E-02	5.85E-03	1.10E-03	6.39E-02	3.19E-03	5.78E-08	7.80E-05	2.99E-05	3.30E-03	4.06E-03	5.35E-02	5.85E-03	1.10E-03	6.45E-02
792	490536.72	3860485.12	0.91037	1.75831	0.9386	0.35373	3.68E-03	5.25E-02	5.99E-03	1.12E-03	6.32E-02	3.35E-03	5.67E-08	7.98E-05	3.05E-05	3.46E-03	4.26E-03	5.25E-02	5.99E-03	1.12E-03	6.38E-02
793	490586.72	3860485.12	0.88704	1.71621	0.9699	0.34851	3.59E-03	5.12E-02	6.19E-03	1.10E-03	6.21E-02	3.26E-03	5.53E-08	8.25E-05	3.00E-05	3.37E-03	4.15E-03	5.12E-02	6.19E-03	1.10E-03	6.26E-02
794	490636.72	3860485.12	0.86637	1.67652	0.917	0.34314	3.50E-03	5.00E-02	5.85E-03	1.08E-03	6.05E-02	3.19E-03	5.40E-08	7.80E-05	2.95E-05	3.29E-03	4.05E-03	5.00E-02	5.85E-03	1.08E-03	6.10E-02
795	490686.72	3860485.12	0.82593	1.63667	0.86	0.33423	3.34E-03	4.88E-02	5.49E-03	1.06E-03	5.87E-02	3.04E-03	5.28E-08	7.31E-05	2.88E-05	3.14E-03	3.86E-03	4.88E-02	5.49E-03	1.06E-03	5.92E-02
796	490736.72	3860485.12	0.79574	1.5994	0.8428	0.32585	3.22E-03	4.77E-02	5.38E-03	1.03E-03	5.73E-02	2.93E-03	5.15E-08	7.17E-05	2.81E-05	3.03E-03	3.72E-03	4.77E-02	5.38E-03	1.03E-03	5.78E-02
797	490786.72	3860485.12	0.75356	1.56949	0.9178	0.31595	3.05E-03	4.68E-02	5.85E-03	9.98E-04	5.67E-02	2.77E-03	5.06E-08	7.81E-05	2.72E-05	2.88E-03	3.52E-03	4.68E-02	5.85E-03	9.98E-04	5.72E-02
798	490136.72	3860535.12	0.91177	1.98962	0.8979	0.31189	3.69E-03	5.94E-02	5.73E-03	9.85E-04	6.98E-02	3.35E-03	6.41E-08	7.64E-05	2.69E-05	3.46E-03	4.26E-03	5.94E-02	5.73E-03	9.85E-04	7.03E-02
799	490186.72	3860535.12	0.88141	1.92795	0.8695	0.30516	3.56E-03	5.75E-02	5.55E-03	9.64E-04	6.76E-02	3.24E-03	6.21E-08	7.39E-05	2.63E-05	3.34E-03	4.12E-03	5.75E-02	5.55E-03	9.64E-04	6.81E-02
800	490236.72	3860535.12	0.84741	1.89337	0.8465	0.29089	3.43E-03	5.65E-02	5.40E-03	9.18E-04	6.62E-02	3.12E-03	6.10E-08	7.20E-05	2.50E-05	3.21E-03	3.96E-03	5.65E-02	5.40E-03	9.18E-04	6.68E-02
801	490286.72	3860535.12	0.85469	1.87419	0.8141	0.29047	3.45E-03	5.59E-02	5.19E-03	9.17E-04	6.55E-02	3.14E-03	6.04E-08	6.92E-05	2.50E-05	3.24E-03	4.00E-03	5.59E-02	5.19E-03	9.17E-04	6.60E-02
802	490336.72	3860535.12	0.83076	1.82956	0.7732	0.30025	3.36E-03	5.46E-02	4.93E-03	9.48E-04	6.38E-02	3.05E-03	5.90E-08	6.58E-05	2.59E-05	3.15E-03	3.89E-03	5.46E-02	4.93E-03	9.48E-04	6.43E-02
803	490386.72	3860535.12	0.80487	1.78567	0.7554	0.31005	3.25E-03	5.33E-02	4.82E-03	9.79E-04	6.23E-02	2.96E-03	5.76E-08	6.42E-05	2.67E-05	3.05E-03	3.76E-03	5.33E-02	4.82E-03	9.79E-04	6.28E-02
804	490436.72	3860535.12	0.81612	1.75399	0.8293	0.31766	3.30E-03	5.23E-02	5.29E-03	1.00E-03	6.19E-02	3.00E-03	5.65E-08	7.05E-05	2.74E-05	3.10E-03	3.82E-03	5.23E-02	5.29E-03	1.00E-03	6.24E-02
805	490486.72	3860535.12	0.82214	1.7451	0.8051	0.31514	3.32E-03	5.21E-02	5.14E-03	9.95E-04	6.15E-02	3.02E-03	5.62E-08	6.85E-05	2.71E-05	3.12E-03	3.84E-03	5.21E-02	5.14E-03	9.95E-04	6.20E-02
806	490536.72	3860535.12	0.85163	1.73916	0.9143	0.30602	3.44E-03	5.19E-02	5.83E-03	9.66E-04	6.21E-02	3.13E-03	5.61E-08	7.78E-05	2.64E-05	3.24E-03	3.98E-03	5.19E-02	5.83E-03	9.66E-04	6.27E-02
807	490586.72	3860535.12	0.89573	1.69632	0.9224	0.29639	3.62E-03	5.06E-02	5.88E-03	9.36E-04	6.10E-02	3.29E-03	5.47E-08	7.84E-05	2.55E-05	3.40E-03	4.19E-03	5.06E-02	5.88E-03	9.36E-04	6.16E-02
808	490636.72	3860535.12	0.87309	1.65817	0.9651	0.30134	3.53E-03	4.95E-02	6.16E-03	9.51E-04	6.01E-02	3.21E-03	5.34E-08	8.21E-05	2.59E-05	3.32E-03	4.08E-03	4.95E-02	6.16E-03	9.51E-04	6.07E-02
809	490686.72	3860535.12	0.84871	1.62197	0.9127	0.30797	3.43E-03	4.84E-02	5.82E-03	9.72E-04	5.86E-02	3.12E-03	5.23E-08	7.76E-05	2.65E-05	3.22E-03	3.97E-03	4.84E-02	5.82E-03	9.72E-04	5.92E-02
810	490736.72	3860535.12	0.81395	1.58568	0.8566	0.31131	3.29E-03	4.73E-02	5.46E-03	9.83E-04	5.70E-02	2.99E-03	5.11E-08	7.29E-05	2.68E-05	3.09E-03	3.81E-03	4.73E-02	5.46E-03	9.83E-04	5.76E-02
811	490786.72	3860535.12	0.78003	1.5518	0.8251	0.30631	3.15E-03	4.63E-02	5.26E-03	9.67E-04	5.57E-02	2.87E-03	5.00E-08	7.02E-05	2.64E-05	2.96E-03	3.65E-03	4.63E-02	5.26E-03	9.67E-04	5.62E-02
812	490136.72	3860585.12	0.90031	1.98573	0.9414	0.30698	3.64E-03	5.92E-02	6.00E-03	9.69E-04	6.99E-02	3.31E-03	6.40E-08	8.01E-05	2.64E-05	3.42E-03	4.21E-03	5.92E-02	6.00E-03	9.69E-04	7.04E-02
813	490186.72	3860585.12	0.89188	1.93661	0.8735	0.29605	3.61E-03	5.78E-02	5.57E-03	9.35E-04	6.79E-02	3.28E-03	6.24E-08	7.43E-05	2.55E-05	3.38E-03	4.17E-03	5.78E-02	5.57E-03	9.35E-04	6.85E-02
814	490236.72	3860585.12	0.86152	1.89967	0.8651	0.28579	3.48E-03	5.67E-02	5.52E-03	9.02E-04	6.66E-02	3.17E-03	6.12E-08	7.36E-05	2.46E-05	3.27E-03	4.03E-03	5.67E-02	5.52E-03	9.02E-04	6.71E-02
815	490286.72	3860585.12	0.83157	1.86454	0.8426	0.2883	3.36E-03	5.56E-02	5.37E-03	9.10E-04	6.53E-02	3.06E-03	6.01E-08	7.17E-05	2.48E-05	3.15E-03	3.89E-03	5.56E-02	5.37E-03	9.10E-04	6.58E-02
816	490336.72	3860585.12	0.83931	1.83053	0.8095	0.28634	3.39E-03	5.46E-02	5.16E-03	9.04E-04	6.41E-02	3.09E-03	5.90E-08	6.88E-05	2.47E-05	3.18E-03	3.93E-03	5.46E-02	5.16E-03	9.04E-04	6.46E-02
817	490386.72	3860585.12	0.81737	1.79605	0.7679	0.28752	3.30E-03	5.36E-02	4.90E-03	9.08E-04	6.27E-02	3.01E-03	5.79E-08	6.53E-05	2.48E-05	3.10E-03	3.82E-03	5.36E-02	4.90E-03	9.08E-04	6.32E-02
818	490436.72	3860585.12	0.79456	1.76563	0.7649	0.28977	3.21E-03	5.27E-02	4.88E-03	9.15E-04	6.17E-02	2.92E-03	5.69E-08	6.50E-05	2.50E-05	3.01E-03	3.72E-03	5.27E-02	4.88E-03	9.15E-04	6.22E-02
819	490486.72	3860585.12	0.80579	1.73425	0.8156	0.29127	3.26E-03	5.17E-02	5.20E-03	9.20E-04	6.11E-02	2.96E-03	5.59E-08	6.94E-05	2.51E-05	3.06E-03	3.77E-03	5.17E-02	5.20E-03	9.20E-04	6.16E-02
820	490536.72	3860585.12	0.8108	1.69991	0.8028	0.29348	3.28E-03	5.07E-02	5.12E-03	9.27E-04	6.00E-02	2.98E-03	5.48E-08	6.83E-05	2.53E-05	3.07E-03	3.79E-03	5.07E-02	5.12E-03	9.27E-04	6.06E-02
821	490586.72	3860585.12	0.82791	1.6772	0.8873	0.28907	3.35E-03	5.00E-02	5.66E-03	9.13E-04	6.00E-02	3.04E-03	5.41E-08	7.55E-05	2.49E-05	3.14E-03	3.87E-03	5.00E-02	5.66E-03	9.13E-04	6.05E-02
822	490636.72	3860585.12	0.88011	1.64658	0.9058	0.28894	3.56E-03	4.91E-02	5.78E-03	9.12E-04	5.94E-02	3.24E-03	5.31E-08	7.70E-05	2.49E-05	3.34E-03	4.12E-03	4.91E-02	5.78E-03	9.12E-04	5.99E-02
823	490686.72	3860585.12	0.85895	1.61494	0.9592	0.28855	3.47E-03	4.82E-02	6.12E-03	9.11E-04	5.87E-02	3.16E-03	5.21E-08	8.16E-05	2.48E-05	3.26E-03	4.02E-03	4.82E-02	6.12E-03	9.11E-04	5.92E-02
824	490736.72	3860585.12	0.83263	1.58278	0.9074	0.28805	3.37E-03	4.72E-02	5.79E-03	9.09E-04	5.73E-02	3.06E-03	5.10E-08	7.72E-05	2.48E-05	3.16E-03	3.89E-03	4.72E-02	5.79E-03	9.09E-04	5.78E-02
825	490786.72	3860585.12	0.8019	1.54934	0.8524	0.28585	3.24E-03	4.62E-02	5.44E-03	9.03E-04	5.58E-02	2.95E-03	4.99E-08	7.25E-05	2.46E-05	3.05E-03	3.75E-03	4.62E-02	5.44E-03	9.03E-04	5.63E-02
826	490136.72	3860635.12	0.85059	1.92732	0.9342	0.29329	3.44E-03	5.75E-02	5.96E-03	9.26E-04	6.78E-02	3.13E-03	6.21E-08	7.95E-05	2.53E-05	3.23E-03	3.98E-03	5.75E-02	5.96E-03	9.26E-04	6.84E-02
827	490186.72	3860635.12	0.88447	1.87931	0.9104	0.28747	3.58E-03	5.61E-02	5.81E-03	9.08E-04	6.64E-02	3.25E-03	6.06E-08	7.74E-05	2.48E-05	3.35E-03	4.14E-03	5.61E-02	5.81E-03	9.08E-04	6.69E-02
828	490236.72	3860635.12	0.87853	1.84322	0.875	0.27979	3.55E-03	5.50E-02	5.58E-03	8.83E-04	6.50E-02	3.23E-03	5.94E-08	7.44E-05	2.41E-05	3.33E-03	4.11E-03	5.50E-02	5.58E-03	8.83E-04	6.56E-02
829	490286.72	3860635.12	0.84633	1.81271	0.8734	0.28226	3.42E-03	5.41E-02	5.57E-03	8.91E-04	6.40E-02	3.11E-03	5.84E-08	7.43E-05	2.43E-05	3.21E-03	3.96E-03	5.41E-02	5.57E-03	8.91E-04	6.45E-02
830	490336.72	3860635.12	0.81616	1.78519	0.8383	0.28487	3.30E-03	5.33E-02	5.35E-03	8.99E-04	6.28E-02	3.00E-03	5.75E-08	7.13E-05	2.45E-05	3.10E-03	3.82E-03	5.33E-02	5.35E-03	8.99E-04	6.33E-02
831	490386.72	3860635.12	0.82425	1.75825	0.8047	0.28057	3.33E-03	5.25E-02	5.13E-03	8.86E-04	6.18E-02	3.03E-03	5.67E-08	6.84E-05	2.42E-05	3.12E-03	3.85E-03	5.25E-02	5.13E-03	8.86E-04	6.23E-02
832	490436.72	3860635.12	0.80448	1.73118	0.7626	0.26976	3.25E-03	5.16E-02	4.86E-03	8.52E-04	6.06E-02	2.96E-03	5.58E-08	6.49E-05	2.32E-05	3.05E-03	3.76E-03	5.16E-02	4.86E-03	8.52E-04	6.11E-02
833	490486.72	3860635.12	0.77945	1.70565	0.7614	0.27594	3.15E-03	5.09E-02	4.86E-03	8.71E-04	5.98E-02	2.87E-03	5.50E-08	6.48E-05	2.38E-05	2.95E-03	3.65E-03	5.09E-02	4.86E-03	8.71E-04	6.03E-02
834	490536.72	3860635.12	0.78848	1.68219	0.797	0.28595	3.19E-03	5.02E-02	5.08E-03	9.03E-04	5.94E-02	2.90E-03	5.42E-08	6.78E-05	2.46E-05	2.99E-03	3.69E-03	5.02E-02	5.08E-03	9.03E-04	5.99E-02
835	490586.72	3860635.12	0.79304	1.64487	0.7814	0.28894	3.21E-03	4.91E-02	4.98E-03	9.12E-04	5.82E-02	2.92E-03	5.30E-08	6.65E-05	2.49E-05	3.01E-03	3.71E-03	4.91E-02	4.98E-03	9.12E-04	5.87E-02
836	490636.72	3860635.12	0.8102	1.62813	0.8765	0.28951	3.27E-03	4.86E-02	5.59E-03	9.14E-04	5.84E-02	2.98E-03	5.25E-08	7.45E-05	2.49E-05	3.08E-03	3.79E-03	4.86E-02	5.59E-03	9.14E-04	5.89E-02
837	490686.72	3860635.12	0.86514	1.60169	0.8909	0.28906	3.50E-03	4.78E-02	5.68E-03	9.13E-04	5.79E-02	3.18E-03	5.16E-08	7.58E-05	2.49E-05	3.28E-03	4.05E-03	4.78E-02	5.68E-03	9.13E-04	5.84E-02
838	490736.72	3860635.12	0.84486	1.57335	0.9452	0.28477	3.42E-03	4.69E-02	6.03E-03	8.99E-04	5.73E-02	3.11E-03	5.07E-08	8.04E-05	2.45E-05	3.21E-03	3.95E-03	4.69E-02	6.03E-03	8.99E-04	5.78E-02
839	490786.72	3860635.12	0.81965	1.54653	0.9017	0.27597	3.31E-03	4.61E-02	5.75E-03	8.71E-04	5.61E-02	3.01E-03	4.98E-08	7.67E-05	2.38E-05	3.11E-03	3.83E-03	4.61E-02	5.75E-03	8.71E-04	5.66E-02
840	490136.72	3860685.12	0.80643	1.86348	0.9469	0.32397	3.26E-03	5.56E-02	6.04E-03	1.02E-03	6.59E-02	2.96E-03	6.01E-08	8.05E-05	2.79E-05	3.07E-03	3.77E-03	5.56E-02	6.04E-03	1.02E-03	6.64E-02
841	490186.72	3860685.12	0.84045	1.82377	0.9471	0.30375	3.40E-03	5.44E-02	6.04E-03	9.59E-04	6.48E-02	3.09E-03	5.88E-08	8.06E-05	2.62E-05	3.20E-03	3.93E-03	5.44E-02	6.04E-03	9.59E-04	6.53E-02
842	490236.72	3860685.12	0.867	1.78795	0.8813	0.27898	3.50E-03	5.33E-02	5.62E-03	8.81E-04	6.33E-02	3.19E-03	5.76E-08	7.50E-05	2.40E-05	3.29E-03	4.05E-03	5.33E-02	5.62E-03	8.81E-04	6.39E-02
843	490286.72	3860685.12	0.86137	1.74869	0.8726	0.27853	3.48E-03	5.22E-02	5.57E-03	8.79E-04	6.21E-02	3.17E-03	5.64E-08	7.42E-05	2.40E-05	3.27E-03	4.03E-03	5.22E-02	5.57E-03	8.79E-04	6.26E-02
844	490336.72	3860685.12	0.83227	1.71941	0.8595	0.2827	3.36E-03	5.13E-02	5.48E-03	8.93E-04	6.10E-02	3.06E-03	5.54E-08	7.31E-05	2.43E-05	3.16E-03	3.89E-03	5.13E-02	5.48E-03	8.93E-04	6.16E-02
845	490386.72	3860685.12	0.80203	1.69813	0.8341	0.2855	3.24E-03	5.07E-02	5.32E-03	9.01E-04	6.01E-02	2.95E-03	5.47E-08	7.09E-05	2.46E-05	3.04E-03	3.75E-03	5.07E-02	5.32E-03	9.01E-04	6.06E-02
846	490436.72	3860685.12	0.80865	1.67857	0.7988	0.28039	3.27E-03	5.01E-02	5.10E-03	8.85E-04	5.93E-02	2.97E-03	5.41E-08	6.79E-05	2.41E-05	3.07E-03	3.78E-03	5.01E-02	5.10E-03	8.85E-04	5.98E-02
847	490486.72	3860685.12	0.79039	1.66181	0.7558	0.26953	3.19E-03	4.96E-02	4.82E-03	8.51E-04	5.84E-02	2.91E-03	5.36E-08	6.43E-05	2.32E-05	2.99E-03	3.70E-03	4.96E-02	4.82E-03	8.51E-04	5.89E-02
848	490536.72	3860685.12	0.76602	1.6437	0.7612	0.25983	3.10E-03	4.90E-02	4.86E-03	8.20E-04	5.78E-02	2.82E-03	5.30E-08	6.47E-05	2.24E-05	2.90E-03	3.58E-03	4.90E-02	4.86E-03	8.20E-04	5.83E-02
849	490586.72	3860685.12	0.77273	1.62393	0.7798	0.24955	3.12E-03	4.84E-02	4.97E-03	7.88E-04	5.73E-02	2.84E-03	5.23E-08	6.63E-05	2.15E-05	2.93E-03	3.61E-03	4.84E-02	4.97E-03	7.88E-04	5.78E-02
850	490636.72	3860685.12	0.77972	1.60487	0.7714	0.25311	3.15E-03	4.79E-02	4.92E-03	7.99E-04	5.68E-02	2.87E-03	5.17E-08	6.56E-05	2.18E-05	2.95E-03	3.65E-03	4.79E-02	4.92E-03	7.99E-04	5.72E-02

851	490686.72	3860685.12	0.79275	1.58539	0.865	0.26015	3.20E-03	4.73E-02	5.52E-03	8.21E-04	5.68E-02	2.91E-03	5.11E-08	7.36E-05	2.24E-05	3.01E-03	3.71E-03	4.73E-02	5.52E-03	8.21E-04	5.73E-02
852	490736.72	3860685.12	0.84659	1.56325	0.8762	0.26425	3.42E-03	4.66E-02	5.59E-03	8.34E-04	5.65E-02	3.11E-03	5.04E-08	7.45E-05	2.28E-05	3.21E-03	3.96E-03	4.66E-02	5.59E-03	8.34E-04	5.70E-02
853	490786.72	3860685.12	0.83423	1.5438	0.9314	0.2709	3.37E-03	4.61E-02	5.94E-03	8.55E-04	5.62E-02	3.07E-03	4.98E-08	7.92E-05	2.33E-05	3.17E-03	3.90E-03	4.61E-02	5.94E-03	8.55E-04	5.68E-02
854	490136.72	3860735.12	0.83541	1.79945	0.9693	0.32102	3.38E-03	5.37E-02	6.18E-03	1.01E-03	6.43E-02	3.07E-03	5.80E-08	8.24E-05	2.76E-05	3.18E-03	3.91E-03	5.37E-02	6.18E-03	1.01E-03	6.48E-02
855	490186.72	3860735.12	0.78145	1.75852	0.9149	0.31499	3.16E-03	5.25E-02	5.84E-03	9.95E-04	6.25E-02	2.87E-03	5.67E-08	7.78E-05	2.71E-05	2.98E-03	3.65E-03	5.25E-02	5.84E-03	9.95E-04	6.29E-02
856	490236.72	3860735.12	0.81386	1.72352	0.9142	0.29891	3.29E-03	5.14E-02	5.83E-03	9.44E-04	6.15E-02	2.99E-03	5.56E-08	7.77E-05	2.57E-05	3.10E-03	3.81E-03	5.14E-02	5.83E-03	9.44E-04	6.20E-02
857	490286.72	3860735.12	0.84187	1.69336	0.8762	0.27923	3.40E-03	5.05E-02	5.59E-03	8.82E-04	6.04E-02	3.10E-03	5.46E-08	7.45E-05	2.40E-05	3.19E-03	3.94E-03	5.05E-02	5.59E-03	8.82E-04	6.09E-02
858	490336.72	3860735.12	0.84414	1.6664	0.8712	0.27799	3.41E-03	4.97E-02	5.56E-03	8.78E-04	5.96E-02	3.10E-03	5.37E-08	7.41E-05	2.39E-05	3.20E-03	3.95E-03	4.97E-02	5.56E-03	8.78E-04	6.01E-02
859	490386.72	3860735.12	0.81737	1.64449	0.8506	0.28232	3.30E-03	4.91E-02	5.43E-03	8.91E-04	5.87E-02	3.01E-03	5.30E-08	7.23E-05	2.43E-05	3.10E-03	3.82E-03	4.91E-02	5.43E-03	8.91E-04	5.92E-02
860	490436.72	3860735.12	0.79023	1.62798	0.8282	0.28665	3.19E-03	4.86E-02	5.28E-03	9.05E-04	5.80E-02	2.91E-03	5.25E-08	7.04E-05	2.47E-05	3.00E-03	3.70E-03	4.86E-02	5.28E-03	9.05E-04	5.85E-02
861	490486.72	3860735.12	0.796	1.59775	0.7946	0.28332	3.22E-03	4.77E-02	5.07E-03	8.95E-04	5.68E-02	2.93E-03	5.15E-08	6.76E-05	2.44E-05	3.02E-03	3.72E-03	4.77E-02	5.07E-03	8.95E-04	5.74E-02
862	490536.72	3860735.12	0.77759	1.57379	0.7495	0.27044	3.14E-03	4.70E-02	4.78E-03	8.54E-04	5.57E-02	2.86E-03	5.07E-08	6.37E-05	2.33E-05	2.95E-03	3.64E-03	4.70E-02	4.78E-03	8.54E-04	5.62E-02
863	490586.72	3860735.12	0.7529	1.55908	0.7608	0.26042	3.04E-03	4.65E-02	4.85E-03	8.22E-04	5.52E-02	2.77E-03	5.03E-08	6.47E-05	2.24E-05	2.86E-03	3.52E-03	4.65E-02	4.85E-03	8.22E-04	5.57E-02
864	490636.72	3860735.12	0.75839	1.54542	0.7638	0.25059	3.07E-03	4.61E-02	4.87E-03	7.91E-04	5.48E-02	2.79E-03	4.98E-08	6.50E-05	2.16E-05	2.87E-03	3.55E-03	4.61E-02	4.87E-03	7.91E-04	5.53E-02
865	490686.72	3860735.12	0.76636	1.53442	0.7605	0.24185	3.10E-03	4.58E-02	4.85E-03	7.64E-04	5.45E-02	2.82E-03	4.95E-08	6.47E-05	2.08E-05	2.90E-03	3.58E-03	4.58E-02	4.85E-03	7.64E-04	5.50E-02
866	490736.72	3860735.12	0.77543	1.52237	0.8526	0.23268	3.13E-03	4.54E-02	5.44E-03	7.35E-04	5.47E-02	2.85E-03	4.91E-08	7.25E-05	2.00E-05	2.94E-03	3.63E-03	4.54E-02	5.44E-03	7.35E-04	5.52E-02
867	490136.72	3860785.12	0.83836	1.74237	0.9976	0.32159	3.39E-03	5.20E-02	6.36E-03	1.02E-03	6.27E-02	3.08E-03	5.62E-08	8.48E-05	2.77E-05	3.19E-03	3.92E-03	5.20E-02	6.36E-03	1.02E-03	6.33E-02
868	490186.72	3860785.12	0.81485	1.7068	0.9411	0.31638	3.29E-03	5.09E-02	6.00E-03	9.99E-04	6.12E-02	3.00E-03	5.50E-08	8.00E-05	2.72E-05	3.10E-03	3.81E-03	5.09E-02	6.00E-03	9.99E-04	6.17E-02
869	490236.72	3860785.12	0.76312	1.67124	0.8909	0.31182	3.08E-03	4.99E-02	5.68E-03	9.85E-04	5.96E-02	2.81E-03	5.39E-08	7.58E-05	2.69E-05	2.91E-03	3.57E-03	4.99E-02	5.68E-03	9.85E-04	6.01E-02
870	490286.72	3860785.12	0.79949	1.642	0.8836	0.30429	3.23E-03	4.90E-02	5.64E-03	9.61E-04	5.88E-02	2.94E-03	5.29E-08	7.51E-05	2.62E-05	3.04E-03	3.74E-03	4.90E-02	5.64E-03	9.61E-04	5.93E-02
871	490336.72	3860785.12	0.82221	1.61548	0.8745	0.28431	3.32E-03	4.82E-02	5.58E-03	8.98E-04	5.80E-02	3.02E-03	5.21E-08	7.44E-05	2.45E-05	3.12E-03	3.85E-03	4.82E-02	5.58E-03	8.98E-04	5.85E-02
872	490386.72	3860785.12	0.8269	1.5947	0.8692	0.27685	3.34E-03	4.76E-02	5.54E-03	8.74E-04	5.73E-02	3.04E-03	5.14E-08	7.39E-05	2.38E-05	3.14E-03	3.87E-03	4.76E-02	5.54E-03	8.74E-04	5.79E-02
873	490436.72	3860785.12	0.80239	1.5729	0.8185	0.28118	3.24E-03	4.69E-02	5.22E-03	8.88E-04	5.63E-02	2.95E-03	5.07E-08	6.96E-05	2.42E-05	3.04E-03	3.75E-03	4.69E-02	5.22E-03	8.88E-04	5.68E-02
874	490486.72	3860785.12	0.77424	1.55663	0.8158	0.2854	3.13E-03	4.64E-02	5.20E-03	9.01E-04	5.57E-02	2.85E-03	5.02E-08	6.94E-05	2.46E-05	2.94E-03	3.62E-03	4.64E-02	5.20E-03	9.01E-04	5.62E-02
875	490536.72	3860785.12	0.78036	1.53808	0.7873	0.28217	3.15E-03	4.59E-02	5.02E-03	8.91E-04	5.50E-02	2.87E-03	4.96E-08	6.70E-05	2.43E-05	2.96E-03	3.65E-03	4.59E-02	5.02E-03	8.91E-04	5.54E-02
876	490586.72	3860785.12	0.76436	1.51927	0.7422	0.27045	3.09E-03	4.53E-02	4.73E-03	8.54E-04	5.40E-02	2.81E-03	4.90E-08	6.31E-05	2.33E-05	2.90E-03	3.57E-03	4.53E-02	4.73E-03	8.54E-04	5.45E-02
877	490636.72	3860785.12	0.74015	1.48417	0.7605	0.26101	2.99E-03	4.43E-02	4.85E-03	8.24E-04	5.29E-02	2.72E-03	4.78E-08	6.47E-05	2.25E-05	2.81E-03	3.46E-03	4.43E-02	4.85E-03	8.24E-04	5.34E-02
878	490686.72	3860785.12	0.74505	1.45363	0.7487	0.25229	3.01E-03	4.34E-02	4.78E-03	7.97E-04	5.20E-02	2.74E-03	4.69E-08	6.37E-05	2.17E-05	2.82E-03	3.48E-03	4.34E-02	4.78E-03	7.97E-04	5.24E-02
879	490736.72	3860785.12	0.75332	1.44428	0.7496	0.24413	3.05E-03	4.31E-02	4.78E-03	7.71E-04	5.17E-02	2.77E-03	4.66E-08	6.37E-05	2.10E-05	2.85E-03	3.52E-03	4.31E-02	4.78E-03	7.71E-04	5.22E-02
880	490086.72	3860835.12	0.7629	1.71726	1.0206	0.37102	3.08E-03	5.12E-02	6.51E-03	1.17E-03	6.20E-02	2.80E-03	5.53E-08	8.68E-05	3.19E-05	2.92E-03	3.57E-03	5.12E-02	6.51E-03	1.17E-03	6.25E-02
881	490136.72	3860835.12	0.80527	1.68986	1.0164	0.33476	3.26E-03	5.04E-02	6.48E-03	1.06E-03	6.12E-02	2.96E-03	5.45E-08	8.64E-05	2.88E-05	3.08E-03	3.77E-03	5.04E-02	6.48E-03	1.06E-03	6.17E-02
882	490186.72	3860835.12	0.82005	1.65624	0.9711	0.32216	3.31E-03	4.94E-02	6.19E-03	1.02E-03	5.99E-02	3.01E-03	5.34E-08	8.26E-05	2.77E-05	3.13E-03	3.84E-03	4.94E-02	6.19E-03	1.02E-03	6.05E-02
883	490236.72	3860835.12	0.79733	1.5996	0.9162	0.31569	3.22E-03	4.77E-02	5.84E-03	9.97E-04	5.78E-02	2.93E-03	5.16E-08	7.79E-05	2.72E-05	3.04E-03	3.73E-03	4.77E-02	5.84E-03	9.97E-04	5.83E-02
884	490286.72	3860835.12	0.74687	1.57042	0.8975	0.31157	3.02E-03	4.69E-02	5.72E-03	9.84E-04	5.66E-02	2.75E-03	5.06E-08	7.63E-05	2.68E-05	2.85E-03	3.49E-03	4.69E-02	5.72E-03	9.84E-04	5.71E-02
885	490336.72	3860835.12	0.78592	1.56177	0.8707	0.3067	3.18E-03	4.66E-02	5.55E-03	9.68E-04	5.63E-02	2.89E-03	5.03E-08	7.40E-05	2.64E-05	2.99E-03	3.68E-03	4.66E-02	5.55E-03	9.68E-04	5.68E-02
886	490386.72	3860835.12	0.80406	1.52546	0.8728	0.2892	3.25E-03	4.55E-02	5.57E-03	9.13E-04	5.52E-02	2.96E-03	4.92E-08	7.42E-05	2.49E-05	3.06E-03	3.76E-03	4.55E-02	5.57E-03	9.13E-04	5.58E-02
887	490436.72	3860835.12	0.80812	1.48506	0.8647	0.27426	3.27E-03	4.43E-02	5.52E-03	8.66E-04	5.40E-02	2.97E-03	4.79E-08	7.35E-05	2.36E-05	3.07E-03	3.78E-03	4.43E-02	5.52E-03	8.66E-04	5.45E-02
888	490486.72	3860835.12	0.78776	1.46808	0.7905	0.27936	3.18E-03	4.38E-02	5.04E-03	8.82E-04	5.29E-02	2.90E-03	4.73E-08	6.72E-05	2.41E-05	2.99E-03	3.68E-03	4.38E-02	5.04E-03	8.82E-04	5.34E-02
889	490536.72	3860835.12	0.75796	1.44932	0.8029	0.28324	3.06E-03	4.32E-02	5.12E-03	8.94E-04	5.23E-02	2.79E-03	4.67E-08	6.83E-05	2.44E-05	2.88E-03	3.54E-03	4.32E-02	5.12E-03	8.94E-04	5.28E-02
890	490586.72	3860835.12	0.7643	1.43132	0.7789	0.28023	3.09E-03	4.27E-02	4.97E-03	8.85E-04	5.16E-02	2.81E-03	4.61E-08	6.62E-05	2.41E-05	2.90E-03	3.57E-03	4.27E-02	4.97E-03	8.85E-04	5.21E-02
891	490636.72	3860835.12	0.75215	1.41769	0.7351	0.27126	3.04E-03	4.23E-02	4.69E-03	8.56E-04	5.09E-02	2.77E-03	4.57E-08	6.25E-05	2.34E-05	2.85E-03	3.52E-03	4.23E-02	4.69E-03	8.56E-04	5.14E-02
892	490686.72	3860835.12	0.72922	1.40799	0.7625	0.26315	2.95E-03	4.20E-02	4.86E-03	8.31E-04	5.06E-02	2.68E-03	4.54E-08	6.49E-05	2.27E-05	2.77E-03	3.41E-03	4.20E-02	4.86E-03	8.31E-04	5.11E-02
893	490736.72	3860835.12	0.73352	1.40153	0.735	0.25564	2.97E-03	4.18E-02	4.69E-03	8.07E-04	5.03E-02	2.70E-03	4.52E-08	6.25E-05	2.20E-05	2.78E-03	3.43E-03	4.18E-02	4.69E-03	8.07E-04	5.07E-02
894	490086.72	3860885.12	0.72586	1.71098	1.0003	0.36259	2.93E-03	5.10E-02	6.38E-03	1.14E-03	6.15E-02	2.67E-03	5.51E-08	8.51E-05	3.12E-05	2.78E-03	3.39E-03	5.10E-02	6.38E-03	1.14E-03	6.20E-02
895	490136.72	3860885.12	0.7555	1.65559	1.0113	0.36407	3.05E-03	4.94E-02	6.45E-03	1.15E-03	6.00E-02	2.78E-03	5.34E-08	8.60E-05	3.14E-05	2.90E-03	3.53E-03	4.94E-02	6.45E-03	1.15E-03	6.05E-02
896	490186.72	3860885.12	0.79343	1.602	1.0028	0.34088	3.21E-03	4.78E-02	6.40E-03	1.08E-03	5.85E-02	2.92E-03	5.16E-08	8.53E-05	2.94E-05	3.03E-03	3.71E-03	4.78E-02	6.40E-03	1.08E-03	5.90E-02
897	490236.72	3860885.12	0.80247	1.57553	0.9455	0.32303	3.24E-03	4.70E-02	6.03E-03	1.02E-03	5.73E-02	2.95E-03	5.08E-08	8.04E-05	2.78E-05	3.06E-03	3.75E-03	4.70E-02	6.03E-03	1.02E-03	5.78E-02
898	490286.72	3860885.12	0.78149	1.5507	0.8932	0.31676	3.16E-03	4.63E-02	5.70E-03	1.00E-03	5.61E-02	2.87E-03	5.00E-08	7.60E-05	2.73E-05	2.98E-03	3.65E-03	4.63E-02	5.70E-03	1.00E-03	5.66E-02
899	490336.72	3860885.12	0.73445	1.49831	0.8886	0.31083	2.97E-03	4.47E-02	5.67E-03	9.81E-04	5.43E-02	2.70E-03	4.83E-08	7.56E-05	2.68E-05	2.80E-03	3.43E-03	4.47E-02	5.67E-03	9.81E-04	5.48E-02
900	490386.72	3860885.12	0.77362	1.4386	0.8711	0.3071	3.13E-03	4.29E-02	5.56E-03	9.70E-04	5.26E-02	2.84E-03	4.64E-08	7.41E-05	2.64E-05	2.94E-03	3.62E-03	4.29E-02	5.56E-03	9.70E-04	5.31E-02
901	490436.72	3860885.12	0.7884	1.43401	0.8717	0.29429	3.19E-03	4.28E-02	5.56E-03	9.29E-04	5.25E-02	2.90E-03	4.62E-08	7.41E-05	2.53E-05	3.00E-03	3.69E-03	4.28E-02	5.56E-03	9.29E-04	5.30E-02
902	490486.72	3860885.12	0.79159	1.43438	0.8561	0.27777	3.20E-03	4.28E-02	5.46E-03	8.77E-04	5.23E-02	2.91E-03	4.62E-08	7.28E-05	2.39E-05	3.01E-03	3.70E-03	4.28E-02	5.46E-03	8.77E-04	5.28E-02
903	490536.72	3860885.12	0.77325	1.39851	0.7788	0.27676	3.13E-03	4.17E-02	4.97E-03	8.74E-04	5.07E-02	2.84E-03	4.51E-08	6.62E-05	2.38E-05	2.93E-03	3.62E-03	4.17E-02	4.97E-03	8.74E-04	5.12E-02
904	490586.72	3860885.12	0.74316	1.382	0.792	0.28084	3.00E-03	4.12E-02	5.05E-03	8.87E-04	5.02E-02	2.73E-03	4.45E-08	6.74E-05	2.42E-05	2.82E-03	3.48E-03	4.12E-02	5.05E-03	8.87E-04	5.06E-02
905	490636.72	3860885.12	0.74985	1.36562	0.7711	0.2799	3.03E-03	4.07E-02	4.92E-03	8.84E-04	4.96E-02	2.76E-03	4.40E-08	6.56E-05	2.41E-05	2.85E-03	3.51E-03	4.07E-02	4.92E-03	8.84E-04	5.01E-02
906	490686.72	3860885.12	0.74041	1.35068	0.7278	0.27233	2.99E-03	4.03E-02	4.64E-03	8.60E-04	4.88E-02	2.72E-03	4.35E-08	6.19E-05	2.35E-05	2.81E-03	3.46E-03	4.03E-02	4.64E-03	8.60E-04	4.93E-02
907	490736.72	3860885.12	0.71787	1.33665	0.7589	0.26458	2.90E-03	3.99E-02	4.84E-03	8.35E-04	4.85E-02	2.64E-03	4.31E-08	6.45E-05	2.28E-05	2.73E-03	3.36E-03	3.99E-02	4.84E-03	8.35E-04	4.89E-02
908	490086.72	3860935.12	0.68822	1.63329	0.9765	0.35266	2.78E-03	4.87E-02	6.23E-03	1.11E-03	5.89E-02	2.53E-03	5.26E-08	8.30E-05	3.04E-05	2.64E-03	3.22E-03	4.87E-02	6.23E-03	1.11E-03	5.93E-02
909	490136.72	3860935.12	0.71285	1.59803	0.9905	0.35456	2.88E-03	4.77E-02	6.32E-03	1.12E-03	5.80E-02	2.62E-03	5.15E-08	8.42E-05	3.05E-05	2.74E-03	3.33E-03	4.77E-02	6.32E-03	1.12E-03	5.84E-02
910	490186.72	3860935.12	0.74611	1.59583	1	0.35645	3.02E-03	4.76E-02	6.38E-03	1.13E-03	5.81E-02	2.74E-03	5.14E-08	8.50E-05	3.07E-05	2.86E-03	3.49E-03	4.76E-02	6.38E-03	1.13E-03	5.86E-02
911	490236.72	3860935.12	0.78268	1.59033	0.9754	0.34423	3.16E-03	4.74E-02	6.22E-03	1.09E-03	5.79E-02	2.88E-03	5.13E-08	8.30E-05	2.96E-05	2.99E-03	3.66E-03	4.74E-02	6.22E-03	1.09E-03	5.84E-02

912	490286.72	3860935.12	0.78548	1.54531	0.9207	0.32382	3.18E-03	4.61E-02	5.87E-03	1.02E-03	5.62E-02	2.89E-03	4.98E-08	7.83E-05	2.79E-05	2.99E-03	3.67E-03	4.61E-02	5.87E-03	1.02E-03	5.67E-02
913	490336.72	3860935.12	0.76527	1.50168	0.8702	0.31701	3.09E-03	4.48E-02	5.55E-03	1.00E-03	5.44E-02	2.81E-03	4.84E-08	7.40E-05	2.73E-05	2.91E-03	3.58E-03	4.48E-02	5.55E-03	1.00E-03	5.49E-02
914	490386.72	3860935.12	0.7245	1.46497	0.8625	0.31295	2.93E-03	4.37E-02	5.50E-03	9.88E-04	5.31E-02	2.66E-03	4.72E-08	7.33E-05	2.69E-05	2.76E-03	3.39E-03	4.37E-02	5.50E-03	9.88E-04	5.36E-02
915	490436.72	3860935.12	0.76271	1.43267	0.8715	0.30929	3.08E-03	4.27E-02	5.56E-03	9.77E-04	5.24E-02	2.80E-03	4.62E-08	7.41E-05	2.66E-05	2.90E-03	3.57E-03	4.27E-02	5.56E-03	9.77E-04	5.28E-02
916	490486.72	3860935.12	0.77207	1.40375	0.8688	0.2966	3.12E-03	4.19E-02	5.54E-03	9.36E-04	5.15E-02	2.84E-03	4.52E-08	7.39E-05	2.55E-05	2.94E-03	3.61E-03	4.19E-02	5.54E-03	9.36E-04	5.20E-02
917	490536.72	3860935.12	0.77522	1.37991	0.8303	0.28093	3.13E-03	4.12E-02	5.30E-03	8.87E-04	5.05E-02	2.85E-03	4.45E-08	7.06E-05	2.42E-05	2.94E-03	3.63E-03	4.12E-02	5.30E-03	8.87E-04	5.10E-02
918	490586.72	3860935.12	0.75928	1.35942	0.7675	0.27355	3.07E-03	4.06E-02	4.90E-03	8.64E-04	4.94E-02	2.79E-03	4.38E-08	6.53E-05	2.36E-05	2.88E-03	3.55E-03	4.06E-02	4.90E-03	8.64E-04	4.99E-02
919	490636.72	3860935.12	0.72935	1.32272	0.7821	0.27801	2.95E-03	3.95E-02	4.99E-03	8.78E-04	4.83E-02	2.68E-03	4.26E-08	6.65E-05	2.39E-05	2.77E-03	3.41E-03	3.95E-02	4.99E-03	8.78E-04	4.87E-02
920	490686.72	3860935.12	0.7367	1.32397	0.7637	0.28079	2.98E-03	3.95E-02	4.87E-03	8.87E-04	4.82E-02	2.71E-03	4.27E-08	6.49E-05	2.42E-05	2.80E-03	3.45E-03	3.95E-02	4.87E-03	8.87E-04	4.87E-02
921	490736.72	3860935.12	0.72902	1.32106	0.7204	0.2736	2.95E-03	3.94E-02	4.59E-03	8.64E-04	4.78E-02	2.68E-03	4.26E-08	6.13E-05	2.36E-05	2.77E-03	3.41E-03	3.94E-02	4.59E-03	8.64E-04	4.83E-02
922	490786.72	3860935.12	0.70678	1.31445	0.7444	0.2661	2.86E-03	3.92E-02	4.75E-03	8.40E-04	4.77E-02	2.60E-03	4.24E-08	6.33E-05	2.29E-05	2.68E-03	3.31E-03	3.92E-02	4.75E-03	8.40E-04	4.81E-02
923	490836.72	3860935.12	0.70884	1.31122	0.7071	0.25926	2.87E-03	3.91E-02	4.51E-03	8.19E-04	4.73E-02	2.61E-03	4.23E-08	6.01E-05	2.23E-05	2.69E-03	3.31E-03	3.91E-02	4.51E-03	8.19E-04	4.78E-02
924	490086.72	3860985.12	0.68889	1.58608	0.9516	0.34774	2.78E-03	4.73E-02	6.07E-03	1.10E-03	5.73E-02	2.53E-03	5.11E-08	8.09E-05	2.99E-05	2.64E-03	3.22E-03	4.73E-02	6.07E-03	1.10E-03	5.77E-02
925	490136.72	3860985.12	0.67647	1.57166	0.9698	0.34576	2.73E-03	4.69E-02	6.19E-03	1.09E-03	5.69E-02	2.49E-03	5.07E-08	8.25E-05	2.98E-05	2.60E-03	3.16E-03	4.69E-02	6.19E-03	1.09E-03	5.73E-02
926	490186.72	3860985.12	0.70325	1.55265	0.9832	0.34752	2.84E-03	4.63E-02	6.27E-03	1.10E-03	5.65E-02	2.59E-03	5.00E-08	8.36E-05	2.99E-05	2.70E-03	3.29E-03	4.63E-02	6.27E-03	1.10E-03	5.70E-02
927	490236.72	3860985.12	0.73832	1.5219	0.9819	0.34924	2.98E-03	4.54E-02	6.26E-03	1.10E-03	5.58E-02	2.71E-03	4.91E-08	8.35E-05	3.01E-05	2.83E-03	3.45E-03	4.54E-02	6.26E-03	1.10E-03	5.62E-02
928	490286.72	3860985.12	0.77371	1.48874	0.9491	0.34484	3.13E-03	4.44E-02	6.05E-03	1.09E-03	5.47E-02	2.84E-03	4.80E-08	8.07E-05	2.97E-05	2.96E-03	3.62E-03	4.44E-02	6.05E-03	1.09E-03	5.52E-02
929	490336.72	3860985.12	0.76841	1.48821	0.896	0.32345	3.11E-03	4.44E-02	5.71E-03	1.02E-03	5.42E-02	2.83E-03	4.80E-08	7.62E-05	2.79E-05	2.93E-03	3.59E-03	4.44E-02	5.71E-03	1.02E-03	5.47E-02
930	490386.72	3860985.12	0.75057	1.4746	0.8605	0.31861	3.03E-03	4.40E-02	5.49E-03	1.01E-03	5.35E-02	2.76E-03	4.75E-08	7.32E-05	2.74E-05	2.86E-03	3.51E-03	4.40E-02	5.49E-03	1.01E-03	5.40E-02
931	490436.72	3860985.12	0.71506	1.45035	0.8645	0.31555	2.89E-03	4.33E-02	5.51E-03	9.96E-04	5.27E-02	2.63E-03	4.67E-08	7.35E-05	2.72E-05	2.73E-03	3.34E-03	4.33E-02	5.51E-03	9.96E-04	5.31E-02
932	490486.72	3860985.12	0.75096	1.39132	0.8701	0.31042	3.04E-03	4.15E-02	5.55E-03	9.80E-04	5.11E-02	2.76E-03	4.48E-08	7.40E-05	2.67E-05	2.86E-03	3.51E-03	4.15E-02	5.55E-03	9.80E-04	5.16E-02
933	490536.72	3860985.12	0.75592	1.36806	0.865	0.297	3.06E-03	4.08E-02	5.52E-03	9.38E-04	5.03E-02	2.78E-03	4.41E-08	7.36E-05	2.56E-05	2.88E-03	3.54E-03	4.08E-02	5.52E-03	9.38E-04	5.08E-02
934	490586.72	3860985.12	0.75845	1.3531	0.8175	0.28211	3.07E-03	4.04E-02	5.21E-03	8.91E-04	4.95E-02	2.79E-03	4.36E-08	6.95E-05	2.43E-05	2.88E-03	3.55E-03	4.04E-02	5.21E-03	8.91E-04	5.00E-02
935	490636.72	3860985.12	0.74616	1.32215	0.7572	0.26992	3.02E-03	3.94E-02	4.83E-03	8.52E-04	4.81E-02	2.74E-03	4.26E-08	6.44E-05	2.32E-05	2.83E-03	3.49E-03	3.94E-02	4.83E-03	8.52E-04	4.86E-02
936	490686.72	3860985.12	0.71653	1.28371	0.7733	0.27479	2.90E-03	3.83E-02	4.93E-03	8.68E-04	4.70E-02	2.63E-03	4.14E-08	6.58E-05	2.37E-05	2.72E-03	3.35E-03	3.83E-02	4.93E-03	8.68E-04	4.74E-02
937	490736.72	3860985.12	0.7236	1.26052	0.7557	0.27891	2.92E-03	3.76E-02	4.82E-03	8.81E-04	4.62E-02	2.66E-03	4.06E-08	6.43E-05	2.40E-05	2.75E-03	3.38E-03	3.76E-02	4.82E-03	8.81E-04	4.67E-02
938	490786.72	3860985.12	0.71791	1.24817	0.7127	0.27503	2.90E-03	3.72E-02	4.55E-03	8.68E-04	4.56E-02	2.64E-03	4.02E-08	6.06E-05	2.37E-05	2.72E-03	3.36E-03	3.72E-02	4.55E-03	8.68E-04	4.60E-02
939	490836.72	3860985.12	0.69686	1.23818	0.7309	0.26863	2.82E-03	3.69E-02	4.66E-03	8.48E-04	4.53E-02	2.56E-03	3.99E-08	6.22E-05	2.31E-05	2.65E-03	3.26E-03	3.69E-02	4.66E-03	8.48E-04	4.57E-02
940	490086.72	3861035.12	0.68124	1.55702	0.9248	0.33383	2.75E-03	4.65E-02	5.90E-03	1.05E-03	5.62E-02	2.50E-03	5.02E-08	7.86E-05	2.87E-05	2.61E-03	3.19E-03	4.65E-02	5.90E-03	1.05E-03	5.66E-02
941	490136.72	3861035.12	0.67808	1.51191	0.9465	0.33873	2.74E-03	4.51E-02	6.04E-03	1.07E-03	5.50E-02	2.49E-03	4.87E-08	8.05E-05	2.92E-05	2.60E-03	3.17E-03	4.51E-02	6.04E-03	1.07E-03	5.54E-02
942	490186.72	3861035.12	0.66631	1.50758	0.9627	0.33935	2.69E-03	4.50E-02	6.14E-03	1.07E-03	5.49E-02	2.45E-03	4.86E-08	8.19E-05	2.92E-05	2.56E-03	3.12E-03	4.50E-02	6.14E-03	1.07E-03	5.53E-02
943	490236.72	3861035.12	0.69168	1.49706	0.974	0.33992	2.80E-03	4.47E-02	6.21E-03	1.07E-03	5.47E-02	2.54E-03	4.83E-08	8.28E-05	2.93E-05	2.66E-03	3.23E-03	4.47E-02	6.21E-03	1.07E-03	5.52E-02
944	490286.72	3861035.12	0.73024	1.4758	0.9789	0.34139	2.95E-03	4.40E-02	6.24E-03	1.08E-03	5.43E-02	2.68E-03	4.76E-08	8.33E-05	2.94E-05	2.80E-03	3.42E-03	4.40E-02	6.24E-03	1.08E-03	5.48E-02
945	490336.72	3861035.12	0.76124	1.45037	0.9234	0.33895	3.08E-03	4.33E-02	5.89E-03	1.07E-03	5.33E-02	2.80E-03	4.67E-08	7.85E-05	2.92E-05	2.91E-03	3.56E-03	4.33E-02	5.89E-03	1.07E-03	5.38E-02
946	490386.72	3861035.12	0.75345	1.42565	0.8737	0.32487	3.05E-03	4.25E-02	5.57E-03	1.03E-03	5.22E-02	2.77E-03	4.59E-08	7.43E-05	2.80E-05	2.87E-03	3.52E-03	4.25E-02	5.57E-03	1.03E-03	5.27E-02
947	490436.72	3861035.12	0.7377	1.39929	0.8675	0.3217	2.98E-03	4.17E-02	5.53E-03	1.02E-03	5.13E-02	2.71E-03	4.51E-08	7.38E-05	2.77E-05	2.81E-03	3.45E-03	4.17E-02	5.53E-03	1.02E-03	5.17E-02
948	490486.72	3861035.12	0.70502	1.38932	0.8648	0.31691	2.85E-03	4.14E-02	5.52E-03	1.00E-03	5.08E-02	2.59E-03	4.48E-08	7.35E-05	2.73E-05	2.69E-03	3.30E-03	4.14E-02	5.52E-03	1.00E-03	5.13E-02
949	490536.72	3861035.12	0.73941	1.36414	0.8679	0.30922	2.99E-03	4.07E-02	5.54E-03	9.76E-04	5.02E-02	2.72E-03	4.40E-08	7.38E-05	2.66E-05	2.82E-03	3.46E-03	4.07E-02	5.54E-03	9.76E-04	5.07E-02
950	490586.72	3861035.12	0.74059	1.31106	0.8607	0.29626	2.99E-03	3.91E-02	5.49E-03	9.35E-04	4.85E-02	2.72E-03	4.23E-08	7.32E-05	2.55E-05	2.82E-03	3.46E-03	3.91E-02	5.49E-03	9.35E-04	4.90E-02
951	490636.72	3861035.12	0.74308	1.2992	0.7887	0.28277	3.00E-03	3.88E-02	5.03E-03	8.93E-04	4.77E-02	2.73E-03	4.19E-08	6.71E-05	2.43E-05	2.82E-03	3.48E-03	3.88E-02	5.03E-03	8.93E-04	4.82E-02
952	490686.72	3861035.12	0.7327	1.2766	0.7465	0.26949	2.96E-03	3.81E-02	4.76E-03	8.51E-04	4.67E-02	2.69E-03	4.11E-08	6.35E-05	2.32E-05	2.78E-03	3.43E-03	3.81E-02	4.76E-03	8.51E-04	4.71E-02
953	490736.72	3861035.12	0.70356	1.256	0.7641	0.2708	2.84E-03	3.75E-02	4.87E-03	8.55E-04	4.60E-02	2.59E-03	4.05E-08	6.50E-05	2.33E-05	2.67E-03	3.29E-03	3.75E-02	4.87E-03	8.55E-04	4.65E-02
954	490786.72	3861035.12	0.71153	1.24268	0.748	0.27562	2.88E-03	3.71E-02	4.77E-03	8.70E-04	4.56E-02	2.62E-03	4.01E-08	6.36E-05	2.37E-05	2.70E-03	3.33E-03	3.71E-02	4.77E-03	8.70E-04	4.60E-02
955	490836.72	3861035.12	0.70778	1.23096	0.7053	0.2773	2.86E-03	3.67E-02	4.50E-03	8.76E-04	4.50E-02	2.60E-03	3.97E-08	6.00E-05	2.39E-05	2.69E-03	3.31E-03	3.67E-02	4.50E-03	8.76E-04	4.54E-02
956	490086.72	3861085.12	0.6579	1.56307	0.8968	0.33194	2.66E-03	4.66E-02	5.72E-03	1.05E-03	5.61E-02	2.42E-03	5.04E-08	7.63E-05	2.86E-05	2.52E-03	3.08E-03	4.66E-02	5.72E-03	1.05E-03	5.65E-02
957	490136.72	3861085.12	0.67386	1.52031	0.922	0.32446	2.72E-03	4.54E-02	5.88E-03	1.02E-03	5.50E-02	2.48E-03	4.90E-08	7.84E-05	2.79E-05	2.58E-03	3.15E-03	4.54E-02	5.88E-03	1.02E-03	5.54E-02
958	490186.72	3861085.12	0.6695	1.48024	0.9426	0.33308	2.71E-03	4.42E-02	6.01E-03	1.05E-03	5.39E-02	2.46E-03	4.77E-08	8.02E-05	2.87E-05	2.57E-03	3.13E-03	4.42E-02	6.01E-03	1.05E-03	5.44E-02
959	490236.72	3861085.12	0.66059	1.44542	0.9563	0.33287	2.67E-03	4.31E-02	6.10E-03	1.05E-03	5.29E-02	2.43E-03	4.66E-08	8.13E-05	2.87E-05	2.54E-03	3.09E-03	4.31E-02	6.10E-03	1.05E-03	5.34E-02
960	490286.72	3861085.12	0.68248	1.4402	0.965	0.33269	2.76E-03	4.30E-02	6.16E-03	1.05E-03	5.29E-02	2.51E-03	4.64E-08	8.21E-05	2.86E-05	2.62E-03	3.19E-03	4.30E-02	6.16E-03	1.05E-03	5.34E-02
961	490336.72	3861085.12	0.72297	1.41695	0.9534	0.33175	2.92E-03	4.23E-02	6.08E-03	1.05E-03	5.23E-02	2.66E-03	4.57E-08	8.11E-05	2.86E-05	2.77E-03	3.38E-03	4.23E-02	6.08E-03	1.05E-03	5.28E-02
962	490386.72	3861085.12	0.75235	1.39306	0.9009	0.33082	3.04E-03	4.16E-02	5.75E-03	1.04E-03	5.14E-02	2.77E-03	4.49E-08	7.66E-05	2.85E-05	2.87E-03	3.52E-03	4.16E-02	5.75E-03	1.04E-03	5.19E-02
963	490436.72	3861085.12	0.7388	1.37031	0.8521	0.32563	2.99E-03	4.09E-02	5.44E-03	1.03E-03	5.03E-02	2.72E-03	4.42E-08	7.25E-05	2.80E-05	2.82E-03	3.46E-03	4.09E-02	5.44E-03	1.03E-03	5.08E-02
964	490486.72	3861085.12	0.72291	1.34882	0.8522	0.32157	2.92E-03	4.02E-02	5.44E-03	1.02E-03	4.96E-02	2.66E-03	4.35E-08	7.25E-05	2.77E-05	2.76E-03	3.38E-03	4.02E-02	5.44E-03	1.02E-03	5.01E-02
965	490536.72	3861085.12	0.69527	1.32881	0.8642	0.31543	2.81E-03	3.96E-02	5.51E-03	9.96E-04	4.90E-02	2.56E-03	4.28E-08	7.35E-05	2.72E-05	2.66E-03	3.25E-03	3.96E-02	5.51E-03	9.96E-04	4.94E-02
966	490586.72	3861085.12	0.7254	1.31256	0.8648	0.30546	2.93E-03	3.92E-02	5.52E-03	9.64E-04	4.86E-02	2.67E-03	4.23E-08	7.36E-05	2.63E-05	2.77E-03	3.39E-03	3.92E-02	5.52E-03	9.64E-04	4.90E-02
967	490636.72	3861085.12	0.72493	1.28491	0.8539	0.29372	2.93E-03	3.83E-02	5.45E-03	9.27E-04	4.76E-02	2.67E-03	4.14E-08	7.26E-05	2.53E-05	2.76E-03	3.39E-03	3.83E-02	5.45E-03	9.27E-04	4.81E-02
968	490686.72	3861085.12	0.72755	1.25555	0.76	0.28186	2.94E-03	3.75E-02	4.85E-03	8.90E-04	4.61E-02	2.67E-03	4.05E-08	6.46E-05	2.43E-05	2.76E-03	3.40E-03	3.75E-02	4.85E-03	8.90E-04	4.66E-02
969	490736.72	3861085.12	0.72025	1.23624	0.7368	0.27019	2.91E-03	3.69E-02	4.70E-03	8.53E-04	4.53E-02	2.65E-03	3.98E-08	6.27E-05	2.33E-05	2.73E-03	3.37E-03	3.69E-02	4.70E-03	8.53E-04	4.58E-02
970	490786.72	3861085.12	0.6918	1.22948	0.7561	0.26666	2.80E-03	3.67E-02	4.82E-03	8.42E-04	4.51E-02	2.54E-03	3.96E-08	6.43E-05	2.30E-05	2.63E-03	3.24E-03	3.67E-02	4.82E-03	8.42E-04	4.56E-02
971	490836.72	3861085.12	0.69974	1.2231	0.74	0.27176	2.83E-03	3.65E-02	4.72E-03	8.58E-04	4.49E-02	2.57E-03	3.94E-08	6.29E-05	2.34E-05	2.66E-03	3.27E-03	3.65E-02	4.72E-03	8.58E-04	4.53E-02
972	490086.72	3861135.12	0.6564	1.5488	0.8676	0.33551	2.65E-03	4.62E-02	5.53E-03	1.06E-03	5.55E-02	2.41E-03	4.99E-08	7.38E-05	2.89E-05	2.52E-03	3.07E-03	4.62E-02	5.53E-03	1.06E-03	5.59E-02

973	490136.72	3861135.12	0.65009	1.52029	0.8951	0.33101	2.63E-03	4.54E-02	5.71E-03	1.05E-03	5.47E-02	2.39E-03	4.90E-08	7.61E-05	2.85E-05	2.49E-03	3.04E-03	4.54E-02	5.71E-03	1.05E-03	5.51E-02
974	490186.72	3861135.12	0.66544	1.48134	0.9182	0.32155	2.69E-03	4.42E-02	5.86E-03	1.02E-03	5.38E-02	2.45E-03	4.77E-08	7.81E-05	2.77E-05	2.55E-03	3.11E-03	4.42E-02	5.86E-03	1.02E-03	5.42E-02
975	490236.72	3861135.12	0.65871	1.44328	0.9363	0.32359	2.66E-03	4.31E-02	5.97E-03	1.02E-03	5.27E-02	2.42E-03	4.65E-08	7.96E-05	2.79E-05	2.53E-03	3.08E-03	4.31E-02	5.97E-03	1.02E-03	5.31E-02
976	490286.72	3861135.12	0.65423	1.40563	0.9488	0.32493	2.64E-03	4.19E-02	6.05E-03	1.03E-03	5.17E-02	2.41E-03	4.53E-08	8.07E-05	2.80E-05	2.51E-03	3.06E-03	4.19E-02	6.05E-03	1.03E-03	5.21E-02
977	490336.72	3861135.12	0.67636	1.38119	0.956	0.32522	2.73E-03	4.12E-02	6.10E-03	1.03E-03	5.11E-02	2.49E-03	4.45E-08	8.13E-05	2.80E-05	2.60E-03	3.16E-03	4.12E-02	6.10E-03	1.03E-03	5.15E-02
978	490386.72	3861135.12	0.71675	1.35809	0.9293	0.32784	2.90E-03	4.05E-02	5.93E-03	1.04E-03	5.04E-02	2.64E-03	4.38E-08	7.90E-05	2.82E-05	2.74E-03	3.35E-03	4.05E-02	5.93E-03	1.04E-03	5.08E-02
979	490436.72	3861135.12	0.74274	1.33237	0.8775	0.32782	3.00E-03	3.97E-02	5.60E-03	1.04E-03	4.94E-02	2.73E-03	4.29E-08	7.46E-05	2.82E-05	2.83E-03	3.47E-03	3.97E-02	5.60E-03	1.04E-03	4.99E-02
980	490486.72	3861135.12	0.72421	1.31649	0.8344	0.31938	2.93E-03	3.93E-02	5.32E-03	1.01E-03	4.85E-02	2.66E-03	4.24E-08	7.10E-05	2.75E-05	2.76E-03	3.39E-03	3.93E-02	5.32E-03	1.01E-03	4.90E-02
981	490536.72	3861135.12	0.70941	1.30536	0.8533	0.31509	2.87E-03	3.89E-02	5.44E-03	9.95E-04	4.82E-02	2.61E-03	4.21E-08	7.26E-05	2.71E-05	2.71E-03	3.32E-03	3.89E-02	5.44E-03	9.95E-04	4.87E-02
982	490586.72	3861135.12	0.68457	1.29145	0.8619	0.30867	2.77E-03	3.85E-02	5.50E-03	9.75E-04	4.78E-02	2.52E-03	4.16E-08	7.33E-05	2.66E-05	2.62E-03	3.20E-03	3.85E-02	5.50E-03	9.75E-04	4.82E-02
983	490636.72	3861135.12	0.70969	1.27508	0.8601	0.30009	2.87E-03	3.80E-02	5.49E-03	9.47E-04	4.73E-02	2.61E-03	4.11E-08	7.31E-05	2.58E-05	2.71E-03	3.32E-03	3.80E-02	5.49E-03	9.47E-04	4.78E-02
984	490686.72	3861135.12	0.71049	1.26055	0.8295	0.2909	2.87E-03	3.76E-02	5.29E-03	9.18E-04	4.67E-02	2.61E-03	4.06E-08	7.05E-05	2.50E-05	2.71E-03	3.32E-03	3.76E-02	5.29E-03	9.18E-04	4.71E-02
985	490736.72	3861135.12	0.71398	1.23729	0.7349	0.28101	2.89E-03	3.69E-02	4.69E-03	8.87E-04	4.54E-02	2.62E-03	3.99E-08	6.25E-05	2.42E-05	2.71E-03	3.34E-03	3.69E-02	4.69E-03	8.87E-04	4.58E-02
986	490786.72	3861135.12	0.70911	1.21336	0.7283	0.27061	2.87E-03	3.62E-02	4.65E-03	8.54E-04	4.46E-02	2.61E-03	3.91E-08	6.19E-05	2.33E-05	2.69E-03	3.32E-03	3.62E-02	4.65E-03	8.54E-04	4.50E-02
987	490836.72	3861135.12	0.68051	1.19085	0.7484	0.26213	2.75E-03	3.55E-02	4.77E-03	8.28E-04	4.39E-02	2.50E-03	3.84E-08	6.37E-05	2.26E-05	2.59E-03	3.18E-03	3.55E-02	4.77E-03	8.28E-04	4.43E-02
988	490086.72	3861185.12	0.65345	1.4398	0.8376	0.33255	2.64E-03	4.30E-02	5.34E-03	1.05E-03	5.20E-02	2.40E-03	4.64E-08	7.12E-05	2.86E-05	2.50E-03	3.06E-03	4.30E-02	5.34E-03	1.05E-03	5.24E-02
989	490136.72	3861185.12	0.6481	1.46652	0.8664	0.33353	2.62E-03	4.38E-02	5.53E-03	1.05E-03	5.30E-02	2.38E-03	4.73E-08	7.37E-05	2.87E-05	2.49E-03	3.03E-03	4.38E-02	5.53E-03	1.05E-03	5.34E-02
990	490186.72	3861185.12	0.64198	1.47336	0.8917	0.32399	2.60E-03	4.40E-02	5.69E-03	1.02E-03	5.33E-02	2.36E-03	4.75E-08	7.58E-05	2.79E-05	2.46E-03	3.00E-03	4.40E-02	5.69E-03	1.02E-03	5.37E-02
991	490236.72	3861185.12	0.65501	1.43577	0.9128	0.32048	2.65E-03	4.28E-02	5.82E-03	1.01E-03	5.23E-02	2.41E-03	4.63E-08	7.76E-05	2.76E-05	2.51E-03	3.06E-03	4.28E-02	5.82E-03	1.01E-03	5.27E-02
992	490286.72	3861185.12	0.64803	1.40013	0.9296	0.31466	2.62E-03	4.18E-02	5.93E-03	9.93E-04	5.13E-02	2.38E-03	4.51E-08	7.91E-05	2.71E-05	2.49E-03	3.03E-03	4.18E-02	5.93E-03	9.93E-04	5.17E-02
993	490336.72	3861185.12	0.64594	1.36143	0.9393	0.31634	2.61E-03	4.06E-02	5.99E-03	9.99E-04	5.02E-02	2.37E-03	4.39E-08	7.99E-05	2.72E-05	2.48E-03	3.02E-03	4.06E-02	5.99E-03	9.99E-04	5.06E-02
994	490386.72	3861185.12	0.66928	1.32955	0.9456	0.3176	2.71E-03	3.97E-02	6.03E-03	1.00E-03	4.94E-02	2.46E-03	4.29E-08	8.04E-05	2.73E-05	2.57E-03	3.13E-03	3.97E-02	6.03E-03	1.00E-03	4.98E-02
995	490436.72	3861185.12	0.70914	1.30636	0.9043	0.3206	2.87E-03	3.90E-02	5.77E-03	1.01E-03	4.86E-02	2.61E-03	4.21E-08	7.69E-05	2.76E-05	2.71E-03	3.32E-03	3.90E-02	5.77E-03	1.01E-03	4.91E-02
996	490486.72	3861185.12	0.73295	1.27796	0.8544	0.32297	2.96E-03	3.81E-02	5.45E-03	1.02E-03	4.76E-02	2.69E-03	4.12E-08	7.27E-05	2.78E-05	2.80E-03	3.43E-03	3.81E-02	5.45E-03	1.02E-03	4.80E-02
997	490536.72	3861185.12	0.71109	1.27781	0.838	0.31249	2.87E-03	3.81E-02	5.35E-03	9.87E-04	4.73E-02	2.61E-03	4.12E-08	7.13E-05	2.69E-05	2.71E-03	3.33E-03	3.81E-02	5.35E-03	9.87E-04	4.78E-02
998	490586.72	3861185.12	0.69638	1.26889	0.8535	0.30814	2.81E-03	3.79E-02	5.44E-03	9.73E-04	4.71E-02	2.56E-03	4.09E-08	7.26E-05	2.65E-05	2.66E-03	3.26E-03	3.79E-02	5.44E-03	9.73E-04	4.75E-02
999	490636.72	3861185.12	0.67376	1.25539	0.8585	0.30167	2.72E-03	3.75E-02	5.48E-03	9.52E-04	4.66E-02	2.48E-03	4.05E-08	7.30E-05	2.60E-05	2.58E-03	3.15E-03	3.75E-02	5.48E-03	9.52E-04	4.70E-02
1000	490686.72	3861185.12	0.69529	1.24448	0.8555	0.29503	2.81E-03	3.71E-02	5.46E-03	9.32E-04	4.63E-02	2.56E-03	4.01E-08	7.28E-05	2.54E-05	2.65E-03	3.25E-03	3.71E-02	5.46E-03	9.32E-04	4.68E-02
1001	490736.72	3861185.12	0.69724	1.23527	0.8069	0.2879	2.82E-03	3.69E-02	5.15E-03	9.09E-04	4.57E-02	2.56E-03	3.98E-08	6.86E-05	2.48E-05	2.66E-03	3.26E-03	3.69E-02	5.15E-03	9.09E-04	4.62E-02
1002	490786.72	3861185.12	0.70107	1.19234	0.7132	0.2795	2.83E-03	3.56E-02	4.55E-03	8.82E-04	4.38E-02	2.58E-03	3.84E-08	6.07E-05	2.41E-05	2.66E-03	3.28E-03	3.56E-02	4.55E-03	8.82E-04	4.43E-02
1003	490836.72	3861185.12	0.69839	1.17667	0.7203	0.27025	2.82E-03	3.51E-02	4.59E-03	8.53E-04	4.34E-02	2.57E-03	3.79E-08	6.13E-05	2.33E-05	2.65E-03	3.27E-03	3.51E-02	4.59E-03	8.53E-04	4.38E-02
1004	490086.72	3861235.12	0.65077	1.37537	0.7896	0.31468	2.63E-03	4.10E-02	5.04E-03	9.94E-04	4.97E-02	2.39E-03	4.43E-08	6.72E-05	2.71E-05	2.49E-03	3.04E-03	4.10E-02	5.04E-03	9.94E-04	5.01E-02
1005	490136.72	3861235.12	0.64364	1.35671	0.8377	0.31641	2.60E-03	4.05E-02	5.34E-03	9.99E-04	4.94E-02	2.37E-03	4.37E-08	7.12E-05	2.72E-05	2.46E-03	3.01E-03	4.05E-02	5.34E-03	9.99E-04	4.98E-02
1006	490186.72	3861235.12	0.63552	1.39021	0.8653	0.33116	2.57E-03	4.15E-02	5.52E-03	1.05E-03	5.06E-02	2.34E-03	4.48E-08	7.36E-05	2.85E-05	2.44E-03	2.97E-03	4.15E-02	5.52E-03	1.05E-03	5.10E-02
1007	490236.72	3861235.12	0.63436	1.41456	0.8881	0.31375	2.56E-03	4.22E-02	5.66E-03	9.91E-04	5.14E-02	2.33E-03	4.56E-08	7.55E-05	2.70E-05	2.43E-03	2.97E-03	4.22E-02	5.66E-03	9.91E-04	5.18E-02
1008	490386.72	3861235.12	0.63864	1.30992	0.9303	0.30936	2.58E-03	3.91E-02	5.93E-03	9.77E-04	4.86E-02	2.35E-03	4.22E-08	7.91E-05	2.66E-05	2.45E-03	2.99E-03	3.91E-02	5.93E-03	9.77E-04	4.90E-02
1009	490436.72	3861235.12	0.66197	1.27734	0.9293	0.30997	2.68E-03	3.81E-02	5.93E-03	9.79E-04	4.77E-02	2.43E-03	4.12E-08	7.90E-05	2.67E-05	2.54E-03	3.10E-03	3.81E-02	5.93E-03	9.79E-04	4.81E-02
1010	490486.72	3861235.12	0.69911	1.25875	0.8779	0.31291	2.83E-03	3.76E-02	5.60E-03	9.88E-04	4.70E-02	2.57E-03	4.06E-08	7.47E-05	2.69E-05	2.67E-03	3.27E-03	3.76E-02	5.60E-03	9.88E-04	4.74E-02
1011	490536.72	3861235.12	0.7174	1.25048	0.833	0.31345	2.90E-03	3.73E-02	5.31E-03	9.90E-04	4.65E-02	2.64E-03	4.03E-08	7.08E-05	2.70E-05	2.74E-03	3.35E-03	3.73E-02	5.31E-03	9.90E-04	4.70E-02
1012	490586.72	3861235.12	0.69756	1.23479	0.8363	0.30547	2.82E-03	3.68E-02	5.33E-03	9.64E-04	4.60E-02	2.56E-03	3.98E-08	7.11E-05	2.63E-05	2.66E-03	3.26E-03	3.68E-02	5.33E-03	9.64E-04	4.64E-02
1013	490636.72	3861235.12	0.68109	1.22403	0.8509	0.29991	2.75E-03	3.65E-02	5.43E-03	9.47E-04	4.56E-02	2.50E-03	3.95E-08	7.24E-05	2.58E-05	2.60E-03	3.19E-03	3.65E-02	5.43E-03	9.47E-04	4.61E-02
1014	490686.72	3861235.12	0.66416	1.21891	0.8553	0.29554	2.68E-03	3.64E-02	5.46E-03	9.33E-04	4.54E-02	2.44E-03	3.93E-08	7.27E-05	2.54E-05	2.54E-03	3.11E-03	3.64E-02	5.46E-03	9.33E-04	4.59E-02
1015	490736.72	3861235.12	0.68269	1.21434	0.8514	0.29066	2.76E-03	3.62E-02	5.43E-03	9.18E-04	4.53E-02	2.51E-03	3.91E-08	7.24E-05	2.50E-05	2.61E-03	3.19E-03	3.62E-02	5.43E-03	9.18E-04	4.58E-02
1016	490786.72	3861235.12	0.68488	1.20842	0.7857	0.28472	2.77E-03	3.61E-02	5.01E-03	8.99E-04	4.47E-02	2.52E-03	3.89E-08	6.68E-05	2.45E-05	2.61E-03	3.20E-03	3.61E-02	5.01E-03	8.99E-04	4.52E-02
1017	490836.72	3861235.12	0.68843	1.17199	0.7006	0.27728	2.78E-03	3.50E-02	4.47E-03	8.75E-04	4.31E-02	2.53E-03	3.78E-08	5.96E-05	2.39E-05	2.61E-03	3.22E-03	3.50E-02	4.47E-03	8.75E-04	4.35E-02
1018	490086.72	3861285.12	0.67808	1.36848	0.7178	0.31579	2.74E-03	4.08E-02	4.58E-03	9.97E-04	4.91E-02	2.49E-03	4.41E-08	6.10E-05	2.72E-05	2.58E-03	3.17E-03	4.08E-02	4.58E-03	9.97E-04	4.96E-02
1019	490136.72	3861285.12	0.63902	1.34159	0.81	0.31078	2.58E-03	4.00E-02	5.17E-03	9.81E-04	4.88E-02	2.35E-03	4.32E-08	6.89E-05	2.68E-05	2.45E-03	2.99E-03	4.00E-02	5.17E-03	9.81E-04	4.92E-02
1020	490186.72	3861285.12	0.63537	1.29739	0.8384	0.31057	2.57E-03	3.87E-02	5.35E-03	9.81E-04	4.76E-02	2.34E-03	4.18E-08	7.13E-05	2.67E-05	2.43E-03	2.97E-03	3.87E-02	5.35E-03	9.81E-04	4.80E-02
1021	490236.72	3861285.12	0.6253	1.31559	0.8635	0.31736	2.53E-03	3.92E-02	5.51E-03	1.00E-03	4.83E-02	2.30E-03	4.24E-08	7.34E-05	2.73E-05	2.40E-03	2.92E-03	3.92E-02	5.51E-03	1.00E-03	4.87E-02
1022	490386.72	3861285.12	0.62556	1.29907	0.914	0.30557	2.53E-03	3.88E-02	5.83E-03	9.65E-04	4.81E-02	2.30E-03	4.19E-08	7.77E-05	2.63E-05	2.40E-03	2.93E-03	3.88E-02	5.83E-03	9.65E-04	4.85E-02
1023	490436.72	3861285.12	0.63269	1.26601	0.9224	0.30385	2.56E-03	3.78E-02	5.88E-03	9.59E-04	4.72E-02	2.33E-03	4.08E-08	7.84E-05	2.62E-05	2.43E-03	2.96E-03	3.78E-02	5.88E-03	9.59E-04	4.76E-02
1024	490486.72	3861285.12	0.65627	1.23318	0.9049	0.30291	2.65E-03	3.68E-02	5.77E-03	9.56E-04	4.62E-02	2.41E-03	3.97E-08	7.70E-05	2.61E-05	2.52E-03	3.07E-03	3.68E-02	5.77E-03	9.56E-04	4.66E-02
1025	490536.72	3861285.12	0.69149	1.20423	0.8554	0.30605	2.80E-03	3.59E-02	5.46E-03	9.66E-04	4.51E-02	2.54E-03	3.88E-08	7.27E-05	2.64E-05	2.64E-03	3.23E-03	3.59E-02	5.46E-03	9.66E-04	4.56E-02
1026	490586.72	3861285.12	0.69923	1.21466	0.8177	0.29967	2.83E-03	3.62E-02	5.22E-03	9.46E-04	4.52E-02	2.57E-03	3.91E-08	6.95E-05	2.58E-05	2.67E-03	3.27E-03	3.62E-02	5.22E-03	9.46E-04	4.57E-02
1027	490636.72	3861285.12	0.67964	1.19137	0.836	0.296	2.75E-03	3.55E-02	5.33E-03	9.35E-04	4.46E-02	2.50E-03	3.84E-08	7.11E-05	2.55E-05	2.60E-03	3.18E-03	3.55E-02	5.33E-03	9.35E-04	4.50E-02
1028	490686.72	3861285.12	0.66759	1.18031	0.8486	0.29317	2.70E-03	3.52E-02	5.41E-03	9.26E-04	4.42E-02	2.45E-03	3.80E-08	7.22E-05	2.52E-05	2.55E-03	3.12E-03	3.52E-02	5.41E-03	9.26E-04	4.47E-02
1029	490736.72	3861285.12	0.65646	1.18411	0.8529	0.29063	2.65E-03	3.53E-02	5.44E-03	9.18E-04	4.43E-02	2.41E-03	3.82E-08	7.25E-05	2.50E-05	2.51E-03	3.07E-03	3.53E-02	5.44E-03	9.18E-04	4.48E-02
1030	490786.72	3861285.12	0.67013	1.18093	0.8466	0.28599	2.71E-03	3.52E-02	5.40E-03	9.03E-04	4.42E-02	2.46E-03	3.81E-08	7.20E-05	2.46E-05	2.56E-03	3.13E-03	3.52E-02	5.40E-03	9.03E-04	4.47E-02
1031	490836.72	3861285.12	0.67089	1.17462	0.7638	0.28004	2.71E-03	3.50E-02	4.87E-03	8.84E-04	4.35E-02	2.47E-03	3.79E-08	6.50E-05	2.41E-05	2.56E-03	3.14E-03	3.50E-02	4.87E-03	8.84E-04	4.39E-02
1032	490061.24	3859716.13	1.08454	2.31114	1.145	0.32423	4.38E-03	6.89E-02	7.30E-03	1.02E-03	8.17E-02	3.99E-03	7.45E-08	9.74E-05	2.79E-05	4.11E-03	5.07E-03	6.89E-02	7.30E-03	1.02E-03	8.23E-02
1033	490111.24	3859716.13	1.0834	2.25625	1.0537	0.32319	4.38E-03	6.73E-02	6.72E-03	1.02E-03	7.94E-02	3.98E-03	7.27E-08	8.96E-05	2.78E-05	4.10E-03	5.07E-03	6.73E-02	6.72E-03	1.02E-03	8.01E-02

1034	490161.24	3859716.13	1.05508	2.20515	1.0307	0.32373	4.26E-03	6.58E-02	6.57E-03	1.02E-03	7.76E-02	3.88E-03	7.11E-08	8.77E-05	2.79E-05	3.99E-03	4.93E-03	6.58E-02	6.57E-03	1.02E-03	7.83E-02
1035	490211.24	3859716.13	0.98216	2.15641	0.9623	0.32198	3.97E-03	6.43E-02	6.14E-03	1.02E-03	7.55E-02	3.61E-03	6.95E-08	8.18E-05	2.77E-05	3.72E-03	4.59E-03	6.43E-02	6.14E-03	1.02E-03	7.61E-02
1036	490061.24	3859766.13	0.99828	2.3087	1.246	0.33242	4.04E-03	6.89E-02	7.95E-03	1.05E-03	8.19E-02	3.67E-03	7.44E-08	1.06E-04	2.86E-05	3.80E-03	4.67E-03	6.89E-02	7.95E-03	1.05E-03	8.25E-02
1037	490111.24	3859766.13	1.05054	2.26036	1.1744	0.32922	4.25E-03	6.74E-02	7.49E-03	1.04E-03	8.02E-02	3.86E-03	7.29E-08	9.99E-05	2.83E-05	3.99E-03	4.91E-03	6.74E-02	7.49E-03	1.04E-03	8.09E-02
1038	490161.24	3859766.13	1.06257	2.2066	1.0811	0.3251	4.30E-03	6.58E-02	6.90E-03	1.03E-03	7.80E-02	3.91E-03	7.11E-08	9.19E-05	2.80E-05	4.03E-03	4.97E-03	6.58E-02	6.90E-03	1.03E-03	7.87E-02
1039	490211.24	3859766.13	1.03659	2.15731	1.018	0.32093	4.19E-03	6.44E-02	6.49E-03	1.01E-03	7.61E-02	3.81E-03	6.95E-08	8.66E-05	2.76E-05	3.93E-03	4.85E-03	6.44E-02	6.49E-03	1.01E-03	7.67E-02
1040	490061.24	3859816.13	0.96209	2.29755	1.1219	0.34092	3.89E-03	6.85E-02	7.16E-03	1.08E-03	8.07E-02	3.54E-03	7.41E-08	9.54E-05	2.94E-05	3.66E-03	4.50E-03	6.85E-02	7.16E-03	1.08E-03	8.13E-02
1041	490111.24	3859816.13	0.96473	2.24766	1.2186	0.33553	3.90E-03	6.71E-02	7.77E-03	1.06E-03	7.98E-02	3.55E-03	7.24E-08	1.04E-04	2.89E-05	3.68E-03	4.51E-03	6.71E-02	7.77E-03	1.06E-03	8.04E-02
1042	490161.24	3859816.13	1.01639	2.18563	1.1955	0.33045	4.11E-03	6.52E-02	7.63E-03	1.04E-03	7.80E-02	3.74E-03	7.04E-08	1.02E-04	2.85E-05	3.87E-03	4.75E-03	6.52E-02	7.63E-03	1.04E-03	7.86E-02
1043	490211.24	3859816.13	1.04242	2.13408	1.1085	0.3254	4.21E-03	6.37E-02	7.07E-03	1.03E-03	7.60E-02	3.83E-03	6.88E-08	9.43E-05	2.80E-05	3.95E-03	4.87E-03	6.37E-02	7.07E-03	1.03E-03	7.66E-02
1044	490061.24	3859866.13	1.00339	2.3221	0.9821	0.35712	4.06E-03	6.93E-02	6.26E-03	1.13E-03	8.07E-02	3.69E-03	7.48E-08	8.35E-05	3.08E-05	3.80E-03	4.69E-03	6.93E-02	6.26E-03	1.13E-03	8.14E-02
1045	490111.24	3859866.13	0.948	2.2638	1.0956	0.34061	3.83E-03	6.75E-02	6.99E-03	1.08E-03	7.94E-02	3.49E-03	7.30E-08	9.32E-05	2.93E-05	3.61E-03	4.43E-03	6.75E-02	6.99E-03	1.08E-03	8.00E-02
1046	490161.24	3859866.13	0.93368	2.20358	1.1951	0.33091	3.77E-03	6.57E-02	7.62E-03	1.04E-03	7.82E-02	3.43E-03	7.10E-08	1.02E-04	2.85E-05	3.56E-03	4.37E-03	6.57E-02	7.62E-03	1.04E-03	7.88E-02
1047	490211.24	3859866.13	0.98473	2.14237	1.2179	0.33063	3.98E-03	6.39E-02	7.77E-03	1.04E-03	7.67E-02	3.62E-03	6.90E-08	1.04E-04	2.85E-05	3.75E-03	4.61E-03	6.39E-02	7.77E-03	1.04E-03	7.73E-02
1048	490061.24	3859916.13	1.03694	2.30621	0.9144	0.42928	4.19E-03	6.88E-02	5.83E-03	1.36E-03	8.02E-02	3.81E-03	7.43E-08	7.78E-05	3.70E-05	3.93E-03	4.85E-03	6.88E-02	5.83E-03	1.36E-03	8.08E-02
1049	490111.24	3859916.13	0.99075	2.26871	0.9606	0.40546	4.00E-03	6.77E-02	6.13E-03	1.28E-03	7.91E-02	3.64E-03	7.31E-08	8.17E-05	3.49E-05	3.76E-03	4.63E-03	6.77E-02	6.13E-03	1.28E-03	7.97E-02
1050	490161.24	3859916.13	0.93472	2.21226	1.0723	0.40578	3.78E-03	6.60E-02	6.84E-03	1.28E-03	7.79E-02	3.44E-03	7.13E-08	9.12E-05	3.49E-05	3.56E-03	4.37E-03	6.60E-02	6.84E-03	1.28E-03	7.85E-02
1051	490211.24	3859916.13	0.90327	2.15464	1.1683	0.40418	3.65E-03	6.43E-02	7.45E-03	1.28E-03	7.67E-02	3.32E-03	6.94E-08	9.94E-05	3.48E-05	3.46E-03	4.22E-03	6.43E-02	7.45E-03	1.28E-03	7.72E-02
1052	490229.25	3859815.26	1.03512	2.11604	1.0742	0.32391	4.18E-03	6.31E-02	6.85E-03	1.02E-03	7.52E-02	3.81E-03	6.82E-08	9.14E-05	2.79E-05	3.92E-03	4.84E-03	6.31E-02	6.85E-03	1.02E-03	7.58E-02
1053	490279.25	3859815.26	1.00844	2.06637	1.0011	0.31966	4.08E-03	6.16E-02	6.39E-03	1.01E-03	7.31E-02	3.71E-03	6.66E-08	8.51E-05	2.75E-05	3.82E-03	4.72E-03	6.16E-02	6.39E-03	1.01E-03	7.38E-02
1054	490329.25	3859815.26	0.94358	2.01715	0.9836	0.32108	3.81E-03	6.02E-02	6.27E-03	1.01E-03	7.13E-02	3.47E-03	6.50E-08	8.37E-05	2.76E-05	3.58E-03	4.41E-03	6.02E-02	6.27E-03	1.01E-03	7.19E-02
1055	490379.25	3859815.26	0.93358	1.96817	0.953	0.31847	3.77E-03	5.87E-02	6.08E-03	1.01E-03	6.96E-02	3.43E-03	6.34E-08	8.10E-05	2.74E-05	3.54E-03	4.37E-03	5.87E-02	6.08E-03	1.01E-03	7.02E-02
1056	490429.25	3859815.26	0.90642	1.93984	0.9373	0.31181	3.66E-03	5.79E-02	5.98E-03	9.84E-04	6.85E-02	3.33E-03	6.25E-08	7.97E-05	2.68E-05	3.44E-03	4.24E-03	5.79E-02	5.98E-03	9.84E-04	6.91E-02
1057	490229.25	3859865.26	1.00383	2.11984	1.1876	0.3279	4.06E-03	6.32E-02	7.58E-03	1.04E-03	7.59E-02	3.69E-03	6.83E-08	1.01E-04	2.82E-05	3.82E-03	4.69E-03	6.32E-02	7.58E-03	1.04E-03	7.65E-02
1058	490279.25	3859865.26	1.01602	2.05866	1.0929	0.32267	4.11E-03	6.14E-02	6.97E-03	1.02E-03	7.35E-02	3.74E-03	6.64E-08	9.30E-05	2.78E-05	3.86E-03	4.75E-03	6.14E-02	6.97E-03	1.02E-03	7.42E-02
1059	490329.25	3859865.26	0.99157	1.99778	0.9891	0.31824	4.01E-03	5.96E-02	6.31E-03	1.00E-03	7.09E-02	3.65E-03	6.44E-08	8.41E-05	2.74E-05	3.76E-03	4.64E-03	5.96E-02	6.31E-03	1.00E-03	7.16E-02
1060	490379.25	3859865.26	0.92704	1.95607	0.9744	0.31458	3.75E-03	5.84E-02	6.22E-03	9.93E-04	6.93E-02	3.41E-03	6.30E-08	8.29E-05	2.71E-05	3.52E-03	4.34E-03	5.84E-02	6.22E-03	9.93E-04	6.99E-02
1061	490429.25	3859865.26	0.91914	1.93309	0.9542	0.31342	3.72E-03	5.77E-02	6.09E-03	9.90E-04	6.85E-02	3.38E-03	6.23E-08	8.11E-05	2.70E-05	3.49E-03	4.30E-03	5.77E-02	6.09E-03	9.90E-04	6.90E-02
1062	490229.25	3859915.26	0.9235	2.13326	1.2021	0.39798	3.73E-03	6.36E-02	7.67E-03	1.26E-03	7.63E-02	3.40E-03	6.88E-08	1.02E-04	3.43E-05	3.53E-03	4.32E-03	6.36E-02	7.67E-03	1.26E-03	7.69E-02
1063	490279.25	3859915.26	0.97123	2.07474	1.1939	0.38563	3.93E-03	6.19E-02	7.62E-03	1.22E-03	7.47E-02	3.57E-03	6.69E-08	1.02E-04	3.32E-05	3.71E-03	4.54E-03	6.19E-02	7.62E-03	1.22E-03	7.53E-02
1064	490329.25	3859915.26	0.9965	2.01558	1.1051	0.37452	4.03E-03	6.01E-02	7.05E-03	1.18E-03	7.24E-02	3.66E-03	6.50E-08	9.40E-05	3.22E-05	3.79E-03	4.66E-03	6.01E-02	7.05E-03	1.18E-03	7.30E-02
1065	490379.25	3859915.26	0.97497	1.95671	1.0061	0.35657	3.94E-03	5.84E-02	6.42E-03	1.13E-03	6.99E-02	3.58E-03	6.31E-08	8.56E-05	3.07E-05	3.70E-03	4.56E-03	5.84E-02	6.42E-03	1.13E-03	7.05E-02
1066	490429.25	3859915.26	0.90953	1.93604	0.9641	0.33932	3.68E-03	5.78E-02	6.15E-03	1.07E-03	6.87E-02	3.34E-03	6.24E-08	8.20E-05	2.92E-05	3.46E-03	4.25E-03	5.78E-02	6.15E-03	1.07E-03	6.92E-02
1067	490451.43	3859872.59	0.9128	1.9235	0.9459	0.3146	3.69E-03	5.74E-02	6.03E-03	9.93E-04	6.81E-02	3.36E-03	6.20E-08	8.04E-05	2.71E-05	3.46E-03	4.27E-03	5.74E-02	6.03E-03	9.93E-04	6.87E-02
1068	490501.43	3859872.59	0.88324	1.90166	0.9222	0.31268	3.57E-03	5.67E-02	5.88E-03	9.87E-04	6.72E-02	3.25E-03	6.13E-08	7.84E-05	2.69E-05	3.35E-03	4.13E-03	5.67E-02	5.88E-03	9.87E-04	6.77E-02
1069	490551.43	3859872.59	0.87564	1.87846	0.9463	0.31294	3.54E-03	5.60E-02	6.04E-03	9.88E-04	6.66E-02	3.22E-03	6.05E-08	8.05E-05	2.69E-05	3.33E-03	4.10E-03	5.60E-02	6.04E-03	9.88E-04	6.72E-02
1070	490601.43	3859872.59	0.84825	1.839	1.0225	0.31301	3.43E-03	5.49E-02	6.52E-03	9.88E-04	6.58E-02	3.12E-03	5.93E-08	8.70E-05	2.70E-05	3.23E-03	3.97E-03	5.49E-02	6.52E-03	9.88E-04	6.63E-02
1071	490451.43	3859922.59	0.90597	1.92901	0.9576	0.34481	3.66E-03	5.75E-02	6.11E-03	1.09E-03	6.84E-02	3.33E-03	6.22E-08	8.14E-05	2.97E-05	3.44E-03	4.24E-03	5.75E-02	6.11E-03	1.09E-03	6.90E-02
1072	490501.43	3859922.59	0.89848	1.91019	0.9382	0.32843	3.63E-03	5.70E-02	5.98E-03	1.04E-03	6.76E-02	3.30E-03	6.16E-08	7.98E-05	2.83E-05	3.41E-03	4.20E-03	5.70E-02	5.98E-03	1.04E-03	6.82E-02
1073	490551.43	3859922.59	0.87478	1.89015	0.9168	0.32133	3.54E-03	5.64E-02	5.85E-03	1.01E-03	6.68E-02	3.22E-03	6.09E-08	7.80E-05	2.77E-05	3.32E-03	4.09E-03	5.64E-02	5.85E-03	1.01E-03	6.73E-02
1074	490601.43	3859922.59	0.86692	1.86893	0.9051	0.32268	3.50E-03	5.58E-02	5.77E-03	1.02E-03	6.61E-02	3.19E-03	6.02E-08	7.70E-05	2.78E-05	3.29E-03	4.05E-03	5.58E-02	5.77E-03	1.02E-03	6.66E-02
1075	482129.67	3852241.07	1.18504	0.31304	0.1849	0.12418	4.79E-03	9.34E-03	1.18E-03	3.92E-04	1.57E-02	4.36E-03	1.01E-08	1.57E-05	1.07E-05	4.38E-03	5.54E-03	9.34E-03	1.18E-03	3.92E-04	1.65E-02
1076	482029.67	3852291.07	1.20879	0.32729	0.1479	0.1268	4.89E-03	9.76E-03	9.43E-04	4.00E-04	1.60E-02	4.44E-03	1.05E-08	1.26E-05	1.09E-05	4.47E-03	5.65E-03	9.76E-03	9.43E-04	4.00E-04	1.68E-02
1077	482079.67	3852291.07	1.21095	0.32559	0.1601	0.12407	4.89E-03	9.71E-03	1.02E-03	3.92E-04	1.60E-02	4.45E-03	1.05E-08	1.36E-05	1.07E-05	4.48E-03	5.66E-03	9.71E-03	1.02E-03	3.92E-04	1.68E-02
1078	482129.67	3852291.07	1.20775	0.32031	0.1729	0.12526	4.88E-03	9.56E-03	1.10E-03	3.95E-04	1.59E-02	4.44E-03	1.03E-08	1.47E-05	1.08E-05	4.47E-03	5.65E-03	9.56E-03	1.10E-03	3.95E-04	1.67E-02
1079	482179.67	3852291.07	1.20227	0.31564	0.1862	0.12415	4.86E-03	9.42E-03	1.19E-03	3.92E-04	1.59E-02	4.42E-03	1.02E-08	1.58E-05	1.07E-05	4.45E-03	5.62E-03	9.42E-03	1.19E-03	3.92E-04	1.66E-02
1080	482229.67	3852291.07	1.22708	0.30101	0.2001	0.12309	4.96E-03	8.98E-03	1.28E-03	3.89E-04	1.56E-02	4.51E-03	9.70E-09	1.70E-05	1.06E-05	4.54E-03	5.74E-03	8.98E-03	1.28E-03	3.89E-04	1.64E-02
1081	482029.67	3852341.07	1.24911	0.33375	0.1373	0.12475	5.05E-03	9.96E-03	8.76E-04	3.94E-04	1.63E-02	4.59E-03	1.08E-08	1.17E-05	1.07E-05	4.61E-03	5.84E-03	9.96E-03	8.76E-04	3.94E-04	1.71E-02
1082	482079.67	3852341.07	1.22839	0.32929	0.1489	0.12627	4.97E-03	9.82E-03	9.50E-04	3.99E-04	1.61E-02	4.52E-03	1.06E-08	1.27E-05	1.09E-05	4.54E-03	5.74E-03	9.82E-03	9.50E-04	3.99E-04	1.69E-02
1083	482129.67	3852341.07	1.22741	0.32991	0.1613	0.12632	4.96E-03	9.84E-03	1.03E-03	3.99E-04	1.62E-02	4.51E-03	1.06E-08	1.37E-05	1.09E-05	4.54E-03	5.74E-03	9.84E-03	1.03E-03	3.99E-04	1.70E-02
1084	482179.67	3852341.07	1.23314	0.32573	0.1742	0.12526	4.98E-03	9.72E-03	1.11E-03	3.95E-04	1.62E-02	4.53E-03	1.05E-08	1.48E-05	1.08E-05	4.56E-03	5.77E-03	9.72E-03	1.11E-03	3.95E-04	1.70E-02
1085	482259.06	3852400.14	1.26003	0.33461	0.1817	0.12459	5.09E-03	9.98E-03	1.16E-03	3.93E-04	1.66E-02	4.63E-03	1.08E-08	1.55E-05	1.07E-05	4.66E-03	5.89E-03	9.98E-03	1.16E-03	3.93E-04	1.74E-02
1086	482309.06	3852400.14	1.23662	0.31098	0.1953	0.12543	5.00E-03	9.28E-03	1.25E-03	3.96E-04	1.59E-02	4.55E-03	1.00E-08	1.66E-05	1.08E-05	4.57E-03	5.78E-03	9.28E-03	1.25E-03	3.96E-04	1.67E-02
1087	482209.06	3852450.14	1.27496	0.34572	0.1566	0.12397	5.15E-03	1.03E-02	9.99E-04	3.91E-04	1.69E-02	4.69E-03	1.11E-08	1.33E-05	1.07E-05	4.71E-03	5.96E-03	1.03E-02	9.99E-04	3.91E-04	1.77E-02
1088	482259.06	3852450.14	1.24437	0.34257	0.1695	0.12443	5.03E-03	1.02E-02	1.08E-03	3.93E-04	1.67E-02	4.57E-03	1.10E-08	1.44E-05	1.07E-05	4.60E-03	5.82E-03	1.02E-02	1.08E-03	3.93E-04	1.75E-02
1089	482309.06	3852450.14	1.28356	0.32514	0.1828	0.12448	5.19E-03	9.70E-03	1.17E-03	3.93E-04	1.64E-02	4.72E-03	1.05E-08	1.55E-05	1.07E-05	4.75E-03	6.00E-03	9.70E-03	1.17E-03	3.93E-04	1.73E-02
1090	482209.06	3852500.14	1.30313	0.35283	0.1453	0.12617	5.27E-03	1.05E-02	9.27E-04	3.98E-04	1.71E-02	4.79E-03	1.14E-08	1.24E-05	1.09E-05	4.81E-03	6.09E-03	1.05E-02	9.27E-04	3.98E-04	1.79E-02
1091	482259.06	3852500.14	1.29706	0.34716	0.1576	0.12342	5.24E-03	1.04E-02	1.01E-03	3.90E-04	1.70E-02	4.77E-03	1.12E-08	1.34E-05	1.06E-05	4.79E-03	6.07E-03	1.04E-02	1.01E-03	3.90E-04	1.78E-02
1092	482309.06	3852500.14	1.27499	0.33918	0.1705	0.12567	5.15E-03	1.01E-02	1.09E-03	3.97E-04	1.68E-02	4.69E-03	1.09E-08	1.45E-05	1.08E-05	4.71E-03	5.96E-03	1.01E-02	1.09E-03	3.97E-04	1.76E-02
1093	482283.91	3852513.62	1.29169	0.34598	0.1608	0.12663	5.22E-03	1.03E-02	1.03E-03	4.00E-04	1.70E-02	4.75E-03	1.12E-08	1.37E-05	1.09E-05	4.77E-03	6.04E-03	1.03E-02	1.03E-03	4.00E-04	1.78E-02
1094	482333.91	3852513.62	1.2979	0.33617	0.174	0.1253	5.25E-03	1.00E-02	1.11E-03	3.96E-04	1.68E-02	4.77E-03	1.08E-08	1.48E-05	1.08E-05	4.80E-03	6.07E-03	1.00E-02	1.11E-03	3.96E-04	1.76E-02

1095	482283.91	3852563.62	1.32616	0.35583	0.1493	0.12779	5.36E-03	1.06E-02	9.52E-04	4.03E-04	1.73E-02	4.88E-03	1.15E-08	1.27E-05	1.10E-05	4.90E-03	6.20E-03	1.06E-02	9.52E-04	4.03E-04	1.82E-02
1096	482333.91	3852563.62	1.3133	0.3496	0.162	0.12649	5.31E-03	1.04E-02	1.03E-03	3.99E-04	1.72E-02	4.83E-03	1.13E-08	1.38E-05	1.09E-05	4.85E-03	6.14E-03	1.04E-02	1.03E-03	3.99E-04	1.80E-02
1097	482383.91	3852563.62	1.32273	0.34626	0.1755	0.12505	5.35E-03	1.03E-02	1.12E-03	3.95E-04	1.72E-02	4.86E-03	1.12E-08	1.49E-05	1.08E-05	4.89E-03	6.19E-03	1.03E-02	1.12E-03	3.95E-04	1.80E-02
1098	482283.91	3852613.62	1.36893	0.36135	0.1394	0.129	5.53E-03	1.08E-02	8.89E-04	4.07E-04	1.76E-02	5.03E-03	1.16E-08	1.19E-05	1.11E-05	5.06E-03	6.40E-03	1.08E-02	8.89E-04	4.07E-04	1.85E-02
1099	482333.91	3852613.62	1.34889	0.35947	0.1503	0.12771	5.45E-03	1.07E-02	9.59E-04	4.03E-04	1.75E-02	4.96E-03	1.16E-08	1.28E-05	1.10E-05	4.98E-03	6.31E-03	1.07E-02	9.59E-04	4.03E-04	1.84E-02
1100	482383.91	3852613.62	1.33472	0.35447	0.1633	0.12628	5.40E-03	1.06E-02	1.04E-03	3.99E-04	1.74E-02	4.91E-03	1.14E-08	1.39E-05	1.09E-05	4.93E-03	6.24E-03	1.06E-02	1.04E-03	3.99E-04	1.83E-02
1101	482602.38	3852600.87	1.34734	0.30982	0.2246	0.12072	5.45E-03	9.24E-03	1.43E-03	3.81E-04	1.65E-02	4.95E-03	9.99E-09	1.91E-05	1.04E-05	4.98E-03	6.30E-03	9.24E-03	1.43E-03	3.81E-04	1.74E-02
1102	482652.38	3852600.87	1.31553	0.31712	0.2168	0.12537	5.32E-03	9.46E-03	1.38E-03	3.96E-04	1.66E-02	4.84E-03	1.02E-08	1.84E-05	1.08E-05	4.87E-03	6.15E-03	9.46E-03	1.38E-03	3.96E-04	1.74E-02
1103	482702.38	3852600.87	1.32908	0.31607	0.2059	0.13262	5.37E-03	9.43E-03	1.31E-03	4.19E-04	1.65E-02	4.89E-03	1.02E-08	1.75E-05	1.14E-05	4.92E-03	6.22E-03	9.43E-03	1.31E-03	4.19E-04	1.74E-02
1104	482552.38	3852650.87	1.37954	0.33477	0.2013	0.12187	5.58E-03	9.99E-03	1.28E-03	3.85E-04	1.72E-02	5.07E-03	1.08E-08	1.71E-05	1.05E-05	5.10E-03	6.45E-03	9.99E-03	1.28E-03	3.85E-04	1.81E-02
1105	482602.38	3852650.87	1.40608	0.32123	0.2151	0.12016	5.68E-03	9.58E-03	1.37E-03	3.79E-04	1.70E-02	5.17E-03	1.04E-08	1.83E-05	1.03E-05	5.20E-03	6.58E-03	9.58E-03	1.37E-03	3.79E-04	1.79E-02
1106	482652.38	3852650.87	1.36455	0.32809	0.2265	0.12534	5.52E-03	9.79E-03	1.44E-03	3.96E-04	1.71E-02	5.02E-03	1.06E-08	1.93E-05	1.08E-05	5.05E-03	6.38E-03	9.79E-03	1.44E-03	3.96E-04	1.80E-02
1107	482702.38	3852650.87	1.33569	0.33234	0.2186	0.13004	5.40E-03	9.91E-03	1.39E-03	4.11E-04	1.71E-02	4.91E-03	1.07E-08	1.86E-05	1.12E-05	4.94E-03	6.25E-03	9.91E-03	1.39E-03	4.11E-04	1.80E-02
1108	482552.38	3852700.87	1.38947	0.34951	0.1879	0.12315	5.62E-03	1.04E-02	1.20E-03	3.89E-04	1.76E-02	5.11E-03	1.13E-08	1.60E-05	1.06E-05	5.13E-03	6.50E-03	1.04E-02	1.20E-03	3.89E-04	1.85E-02
1109	482602.38	3852700.87	1.41118	0.33336	0.203	0.12141	5.70E-03	9.95E-03	1.29E-03	3.83E-04	1.73E-02	5.19E-03	1.07E-08	1.73E-05	1.05E-05	5.22E-03	6.60E-03	9.95E-03	1.29E-03	3.83E-04	1.82E-02
1110	482652.38	3852700.87	1.42455	0.36095	0.217	0.12391	5.76E-03	1.08E-02	1.38E-03	3.91E-04	1.83E-02	5.24E-03	1.16E-08	1.85E-05	1.07E-05	5.27E-03	6.66E-03	1.08E-02	1.38E-03	3.91E-04	1.92E-02
1111	482702.38	3852700.87	1.379	0.36671	0.2284	0.13061	5.57E-03	1.09E-02	1.46E-03	4.12E-04	1.84E-02	5.07E-03	1.18E-08	1.94E-05	1.12E-05	5.10E-03	6.45E-03	1.09E-02	1.46E-03	4.12E-04	1.93E-02
1112	482452.38	3852750.87	1.4324	0.36604	0.1481	0.12775	5.79E-03	1.09E-02	9.44E-04	4.03E-04	1.81E-02	5.27E-03	1.18E-08	1.26E-05	1.10E-05	5.29E-03	6.70E-03	1.09E-02	9.44E-04	4.03E-04	1.90E-02
1113	482521.29	3852749.74	1.4077	0.35961	0.1665	0.12547	5.69E-03	1.07E-02	1.06E-03	3.96E-04	1.79E-02	5.18E-03	1.16E-08	1.42E-05	1.08E-05	5.20E-03	6.58E-03	1.07E-02	1.06E-03	3.96E-04	1.88E-02
1114	482571.29	3852749.74	1.43856	0.35647	0.1806	0.12497	5.81E-03	1.06E-02	1.15E-03	3.95E-04	1.80E-02	5.29E-03	1.15E-08	1.54E-05	1.08E-05	5.32E-03	6.73E-03	1.06E-02	1.15E-03	3.95E-04	1.89E-02
1115	482521.29	3852799.74	1.44932	0.36631	0.1543	0.12678	5.86E-03	1.09E-02	9.84E-04	4.00E-04	1.82E-02	5.33E-03	1.18E-08	1.31E-05	1.09E-05	5.35E-03	6.78E-03	1.09E-02	9.84E-04	4.00E-04	1.91E-02
1116	482571.29	3852799.74	1.42983	0.36356	0.1678	0.12575	5.78E-03	1.08E-02	1.07E-03	3.97E-04	1.81E-02	5.26E-03	1.17E-08	1.43E-05	1.08E-05	5.28E-03	6.69E-03	1.08E-02	1.07E-03	3.97E-04	1.90E-02
1117	482621.29	3852799.74	1.45877	0.35978	0.1821	0.12328	5.90E-03	1.07E-02	1.16E-03	3.89E-04	1.82E-02	5.36E-03	1.16E-08	1.55E-05	1.06E-05	5.39E-03	6.82E-03	1.07E-02	1.16E-03	3.89E-04	1.91E-02
1118	482571.29	3852849.74	1.48172	0.36787	0.1552	0.12641	5.99E-03	1.10E-02	9.90E-04	3.99E-04	1.84E-02	5.45E-03	1.19E-08	1.32E-05	1.09E-05	5.47E-03	6.93E-03	1.10E-02	9.90E-04	3.99E-04	1.93E-02
1119	482621.29	3852849.74	1.46561	0.36707	0.1689	0.12463	5.92E-03	1.10E-02	1.08E-03	3.94E-04	1.83E-02	5.39E-03	1.18E-08	1.44E-05	1.07E-05	5.41E-03	6.85E-03	1.10E-02	1.08E-03	3.94E-04	1.93E-02
1120	482577.42	3852901.55	1.53277	0.37566	0.149	0.12881	6.20E-03	1.12E-02	9.50E-04	4.07E-04	1.88E-02	5.64E-03	1.21E-08	1.27E-05	1.11E-05	5.66E-03	7.17E-03	1.12E-02	9.50E-04	4.07E-04	1.97E-02
1121	482627.42	3852901.55	1.52503	0.36925	0.1573	0.12635	6.16E-03	1.10E-02	1.00E-03	3.99E-04	1.86E-02	5.61E-03	1.19E-08	1.34E-05	1.09E-05	5.63E-03	7.13E-03	1.10E-02	1.00E-03	3.99E-04	1.95E-02
1122	482629.96	3852955.85	1.5694	0.3768	0.1513	0.13646	6.34E-03	1.12E-02	9.65E-04	4.31E-04	1.90E-02	5.77E-03	1.21E-08	1.29E-05	1.18E-05	5.79E-03	7.34E-03	1.12E-02	9.65E-04	4.31E-04	2.00E-02
1123	482679.96	3852955.85	1.56218	0.39327	0.1578	0.14285	6.31E-03	1.17E-02	1.01E-03	4.51E-04	1.95E-02	5.74E-03	1.27E-08	1.34E-05	1.23E-05	5.77E-03	7.31E-03	1.17E-02	1.01E-03	4.51E-04	2.05E-02
1124	482781.63	3853034.48	1.60908	0.41241	0.1658	0.1553	6.50E-03	1.23E-02	1.06E-03	4.90E-04	2.04E-02	5.92E-03	1.33E-08	1.41E-05	1.34E-05	5.94E-03	7.53E-03	1.23E-02	1.06E-03	4.90E-04	2.14E-02
1125	482831.63	3853034.48	1.62035	0.40747	0.1805	0.14654	6.55E-03	1.22E-02	1.15E-03	4.63E-04	2.03E-02	5.96E-03	1.31E-08	1.53E-05	1.26E-05	5.99E-03	7.58E-03	1.22E-02	1.15E-03	4.63E-04	2.13E-02
1126	482881.63	3853034.48	1.58123	0.39528	0.1961	0.13492	6.39E-03	1.18E-02	1.25E-03	4.26E-04	1.99E-02	5.81E-03	1.27E-08	1.67E-05	1.16E-05	5.84E-03	7.39E-03	1.18E-02	1.25E-03	4.26E-04	2.09E-02
1127	482781.63	3853084.48	1.64338	0.41911	0.1527	0.15839	6.64E-03	1.25E-02	9.74E-04	5.00E-04	2.06E-02	6.04E-03	1.35E-08	1.30E-05	1.36E-05	6.07E-03	7.69E-03	1.25E-02	9.74E-04	5.00E-04	2.17E-02
1128	482831.63	3853084.48	1.64185	0.41829	0.1668	0.15443	6.64E-03	1.25E-02	1.06E-03	4.88E-04	2.07E-02	6.04E-03	1.35E-08	1.42E-05	1.33E-05	6.06E-03	7.68E-03	1.25E-02	1.06E-03	4.88E-04	2.17E-02
1129	482881.63	3853084.48	1.65479	0.40759	0.1818	0.13598	6.69E-03	1.22E-02	1.16E-03	4.29E-04	2.04E-02	6.08E-03	1.31E-08	1.55E-05	1.17E-05	6.11E-03	7.74E-03	1.22E-02	1.16E-03	4.29E-04	2.15E-02
1130	482781.63	3853134.48	1.67515	0.42726	0.1631	0.16172	6.77E-03	1.27E-02	1.04E-03	5.11E-04	2.11E-02	6.16E-03	1.38E-08	1.39E-05	1.39E-05	6.19E-03	7.83E-03	1.27E-02	1.04E-03	5.11E-04	2.21E-02
1131	482831.63	3853134.48	1.67808	0.42977	0.1543	0.15786	6.78E-03	1.28E-02	9.84E-04	4.98E-04	2.11E-02	6.17E-03	1.39E-08	1.31E-05	1.36E-05	6.20E-03	7.85E-03	1.28E-02	9.84E-04	4.98E-04	2.22E-02
1132	482881.63	3853134.48	1.66931	0.42617	0.168	0.13698	6.75E-03	1.27E-02	1.07E-03	4.32E-04	2.10E-02	6.14E-03	1.37E-08	1.43E-05	1.18E-05	6.16E-03	7.81E-03	1.27E-02	1.07E-03	4.32E-04	2.20E-02
1133	482831.63	3853184.48	1.71374	0.43898	0.1652	0.16052	6.93E-03	1.31E-02	1.05E-03	5.07E-04	2.16E-02	6.30E-03	1.41E-08	1.40E-05	1.38E-05	6.33E-03	8.01E-03	1.31E-02	1.05E-03	5.07E-04	2.27E-02
1134	482881.63	3853184.48	1.70988	0.43947	0.1564	0.14052	6.91E-03	1.31E-02	9.97E-04	4.44E-04	2.15E-02	6.29E-03	1.42E-08	1.33E-05	1.21E-05	6.31E-03	8.00E-03	1.31E-02	9.97E-04	4.44E-04	2.25E-02
1135	484154.84	3854250.98	2.56454	0.23213	0.2605	0.19816	1.04E-02	6.93E-03	1.66E-03	6.26E-04	1.96E-02	9.43E-03	7.48E-09	2.22E-05	1.71E-05	9.47E-03	1.20E-02	6.93E-03	1.66E-03	6.26E-04	2.12E-02
1136	484204.84	3854250.98	2.34052	0.22688	0.2782	0.19386	9.46E-03	6.77E-03	1.77E-03	6.12E-04	1.86E-02	8.60E-03	7.31E-09	2.37E-05	1.67E-05	8.65E-03	1.09E-02	6.77E-03	1.77E-03	6.12E-04	2.01E-02
1137	484154.84	3854300.98	2.71612	0.21651	0.2386	0.22253	1.10E-02	6.46E-03	1.52E-03	7.03E-04	1.97E-02	9.99E-03	6.98E-09	2.03E-05	1.92E-05	1.00E-02	1.27E-02	6.46E-03	1.52E-03	7.03E-04	2.14E-02
1138	484204.84	3854300.98	2.44249	0.21596	0.2625	0.23722	9.87E-03	6.44E-03	1.67E-03	7.49E-04	1.87E-02	8.98E-03	6.96E-09	2.23E-05	2.04E-05	9.02E-03	1.14E-02	6.44E-03	1.67E-03	7.49E-04	2.03E-02
1139	484074.19	3854519.8	2.79905	0.22977	0.2553	0.35404	1.13E-02	6.85E-03	1.63E-03	1.12E-03	2.09E-02	1.03E-02	7.41E-09	2.17E-05	3.05E-05	1.03E-02	1.31E-02	6.85E-03	1.63E-03	1.12E-03	2.27E-02
1140	484124.19	3854519.8	2.7377	0.22522	0.2464	0.35137	1.11E-02	6.72E-03	1.57E-03	1.11E-03	2.05E-02	1.01E-02	7.26E-09	2.10E-05	3.03E-05	1.01E-02	1.28E-02	6.72E-03	1.57E-03	1.11E-03	2.22E-02
1141	484074.19	3854569.8	2.85074	0.23592	0.2661	0.39043	1.15E-02	7.04E-03	1.70E-03	1.23E-03	2.15E-02	1.05E-02	7.60E-09	2.26E-05	3.36E-05	1.05E-02	1.33E-02	7.04E-03	1.70E-03	1.23E-03	2.33E-02
1142	484124.19	3854569.8	2.58818	0.23151	0.2587	0.38756	1.05E-02	6.91E-03	1.65E-03	1.22E-03	2.02E-02	9.52E-03	7.46E-09	2.20E-05	3.34E-05	9.57E-03	1.21E-02	6.91E-03	1.65E-03	1.22E-03	2.19E-02
1143	485205.11	3855188.89	6.1719	0.30622	0.3639	0.44221	2.49E-02	9.14E-03	2.32E-03	1.40E-03	3.78E-02	2.27E-02	9.87E-09	3.09E-05	3.81E-05	2.28E-02	2.89E-02	9.14E-03	2.32E-03	1.40E-03	4.17E-02
1144	485255.11	3855188.89	5.29518	0.29436	0.3888	0.53119	2.14E-02	8.78E-03	2.48E-03	1.68E-03	3.43E-02	1.95E-02	9.49E-09	3.31E-05	4.57E-05	1.95E-02	2.48E-02	8.78E-03	2.48E-03	1.68E-03	3.77E-02
1145	485205.11	3855238.89	7.06636	0.31066	0.3422	0.59056	2.86E-02	9.27E-03	2.18E-03	1.86E-03	4.19E-02	2.60E-02	1.00E-08	2.91E-05	5.09E-05	2.61E-02	3.30E-02	9.27E-03	2.18E-03	1.86E-03	4.64E-02
1146	485255.11	3855238.89	6.52076	0.30765	0.3677	0.55227	2.64E-02	9.18E-03	2.35E-03	1.74E-03	3.96E-02	2.40E-02	9.92E-09	3.13E-05	4.76E-05	2.41E-02	3.05E-02	9.18E-03	2.35E-03	1.74E-03	4.38E-02
1147	485205.11	3855288.89	9.80456	0.33586	0.3202	0.50608	3.96E-02	1.00E-02	2.04E-03	1.60E-03	5.33E-02	3.60E-02	1.08E-08	2.72E-05	4.36E-05	3.61E-02	4.59E-02	1.00E-02	2.04E-03	1.60E-03	5.95E-02
1148	485255.11	3855288.89	8.53726	0.33471	0.3459	0.48749	3.45E-02	9.99E-03	2.21E-03	1.54E-03	4.82E-02	3.14E-02	1.08E-08	2.94E-05	4.20E-05	3.15E-02	3.99E-02	9.99E-03	2.21E-03	1.54E-03	5.37E-02
1149	485255.11	3855338.89	11.3559	0.36426	0.3233	0.47357	4.59E-02	1.09E-02	2.06E-03	1.50E-03	6.03E-02	4.18E-02	1.17E-08	2.75E-05	4.08E-05	4.18E-02	5.31E-02	1.09E-02	2.06E-03	1.50E-03	6.75E-02
1150	485305.11	3855338.89	9.93478	0.35236	0.3495	0.49145	4.02E-02	1.05E-02	2.23E-03	1.55E-03	5.45E-02	3.65E-02	1.14E-08	2.97E-05	4.23E-05	3.66E-02	4.65E-02	1.05E-02	2.23E-03	1.55E-03	6.08E-02
1151	485852.5	3855635.28	9.35411	0.4159	0.4801	0.5366	3.78E-02	1.24E-02	3.06E-03	1.69E-03	5.50E-02	3.44E-02	1.34E-08	4.08E-05	4.62E-05	3.45E-02	4.37E-02	1.24E-02	3.06E-03	1.69E-03	6.09E-02
1152	485902.5	3855635.28	8.48477	0.39634	0.5117	0.56551	3.43E-02	1.18E-02	3.26E-03	1.79E-03	5.12E-02	3.12E-02	1.28E-08	4.35E-05	4.87E-05	3.13E-02	3.97E-02	1.18E-02	3.26E-03	1.79E-03	5.66E-02
1153	485852.5	3855685.28	10.3617	0.44129	0.4848	0.6374	4.19E-02	1.32E-02	3.09E-03	2.01E-03	6.02E-02	3.81E-02	1.42E-08	4.12E-05	5.49E-05	3.82E-02	4.85E-02	1.32E-02	3.09E-03	2.01E-03	6.67E-02
1154	485902.5	3855685.28	9.25098	0.41983	0.4895	0.6571	3.74E-02	1.25E-02	3.12E-03	2.07E-03	5.51E-02	3.40E-02	1.35E-08	4.16E-05	5.66E-05	3.41E-02	4.33E-02	1.25E-02	3.12E-03	2.07E-03	6.10E-02
1155	485852.5	3855735.28	11.6217	0.46939	0.4725	0.61917	4.70E-02	1.40E-02	3.01E-03	1.95E-03	6.59E-02	4.27E-02	1.51E-08	4.02E-05	5.33E-05	4.28E-02	5.44E-02	1.40E-02	3.01E-03	1.95E-03	7.33E-02

1156	485902.5	3855735.28	10.5141	0.45073	0.4918	0.65594	4.25E-02	1.34E-02	3.14E-03	2.07E-03	6.12E-02	3.87E-02	1.45E-08	4.18E-05	5.65E-05	3.88E-02	4.92E-02	1.34E-02	3.14E-03	2.07E-03	6.78E-02
1157	485852.5	3855785.28	13.418	0.50362	0.4052	0.58561	5.42E-02	1.50E-02	2.58E-03	1.85E-03	7.37E-02	4.93E-02	1.62E-08	3.45E-05	5.04E-05	4.94E-02	6.28E-02	1.50E-02	2.58E-03	1.85E-03	8.22E-02
1158	485902.5	3855785.28	11.9117	0.46967	0.4784	0.59855	4.81E-02	1.40E-02	3.05E-03	1.89E-03	6.71E-02	4.38E-02	1.51E-08	4.07E-05	5.15E-05	4.39E-02	5.57E-02	1.40E-02	3.05E-03	1.89E-03	7.47E-02
1159	486809.46	3856465.28	11.0559	0.59629	0.6762	0.46836	4.47E-02	1.78E-02	4.31E-03	1.48E-03	6.83E-02	4.06E-02	1.92E-08	5.75E-05	4.03E-05	4.07E-02	5.17E-02	1.78E-02	4.31E-03	1.48E-03	7.53E-02
1160	486859.46	3856465.28	10.4663	0.60167	0.709	0.46015	4.23E-02	1.79E-02	4.52E-03	1.45E-03	6.62E-02	3.85E-02	1.94E-08	6.03E-05	3.96E-05	3.86E-02	4.89E-02	1.79E-02	4.52E-03	1.45E-03	7.29E-02
1161	486909.46	3856465.28	9.8036	0.60339	0.7469	0.45279	3.96E-02	1.80E-02	4.76E-03	1.43E-03	6.38E-02	3.60E-02	1.94E-08	6.35E-05	3.90E-05	3.61E-02	4.58E-02	1.80E-02	4.76E-03	1.43E-03	7.00E-02
1162	486809.46	3856515.28	12.0127	0.6279	0.6467	0.47917	4.86E-02	1.87E-02	4.12E-03	1.51E-03	7.29E-02	4.42E-02	2.02E-08	5.50E-05	4.13E-05	4.43E-02	5.62E-02	1.87E-02	4.12E-03	1.51E-03	8.05E-02
1163	486859.46	3856515.28	11.3453	0.63743	0.6894	0.46341	4.59E-02	1.90E-02	4.40E-03	1.46E-03	7.07E-02	4.17E-02	2.05E-08	5.86E-05	3.99E-05	4.18E-02	5.31E-02	1.90E-02	4.40E-03	1.46E-03	7.79E-02
1164	486909.46	3856515.28	10.7169	0.64216	0.7294	0.44209	4.33E-02	1.92E-02	4.65E-03	1.40E-03	6.85E-02	3.94E-02	2.07E-08	6.20E-05	3.81E-05	3.95E-02	5.01E-02	1.92E-02	4.65E-03	1.40E-03	7.53E-02
1165	486980.94	3856357.95	8.19028	0.53488	0.7134	0.42743	3.31E-02	1.60E-02	4.55E-03	1.35E-03	5.50E-02	3.01E-02	1.72E-08	6.07E-05	3.68E-05	3.02E-02	3.83E-02	1.60E-02	4.55E-03	1.35E-03	6.02E-02
1166	487030.94	3856357.95	7.98888	0.53428	0.7315	0.4144	3.23E-02	1.59E-02	4.67E-03	1.31E-03	5.42E-02	2.94E-02	1.72E-08	6.22E-05	3.57E-05	2.95E-02	3.74E-02	1.59E-02	4.67E-03	1.31E-03	5.93E-02
1167	486980.94	3856407.95	8.80719	0.57069	0.6727	0.42686	3.56E-02	1.70E-02	4.29E-03	1.35E-03	5.83E-02	3.24E-02	1.84E-08	5.72E-05	3.68E-05	3.25E-02	4.12E-02	1.70E-02	4.29E-03	1.35E-03	6.39E-02
1168	487030.94	3856407.95	8.55244	0.56955	0.766	0.42096	3.46E-02	1.70E-02	4.89E-03	1.33E-03	5.78E-02	3.14E-02	1.84E-08	6.51E-05	3.62E-05	3.15E-02	4.00E-02	1.70E-02	4.89E-03	1.33E-03	6.32E-02
1169	487447.18	3856437.45	6.41658	0.58838	0.8292	0.35861	2.59E-02	1.76E-02	5.29E-03	1.13E-03	4.99E-02	2.36E-02	1.90E-08	7.05E-05	3.09E-05	2.37E-02	3.00E-02	1.76E-02	5.29E-03	1.13E-03	5.40E-02
1170	487497.18	3856437.45	6.25298	0.59464	1.1375	0.34975	2.53E-02	1.77E-02	7.26E-03	1.10E-03	5.14E-02	2.30E-02	1.92E-08	9.67E-05	3.01E-05	2.31E-02	2.92E-02	1.77E-02	7.26E-03	1.10E-03	5.53E-02
1171	487547.18	3856437.45	6.10324	0.59424	1.3216	0.3425	2.47E-02	1.77E-02	8.43E-03	1.08E-03	5.19E-02	2.24E-02	1.92E-08	1.12E-04	2.95E-05	2.26E-02	2.85E-02	1.77E-02	8.43E-03	1.08E-03	5.58E-02
1172	487447.18	3856487.45	6.70204	0.61552	0.8387	0.3454	2.71E-02	1.84E-02	5.35E-03	1.09E-03	5.19E-02	2.46E-02	1.98E-08	7.13E-05	2.97E-05	2.47E-02	3.13E-02	1.84E-02	5.35E-03	1.09E-03	5.61E-02
1173	487497.18	3856487.45	6.51865	0.611	1.0283	0.34102	2.63E-02	1.82E-02	6.56E-03	1.08E-03	5.22E-02	2.40E-02	1.97E-08	8.75E-05	2.94E-05	2.41E-02	3.05E-02	1.82E-02	6.56E-03	1.08E-03	5.63E-02
1174	487547.18	3856487.45	6.3906	0.60824	1.2915	0.34455	2.58E-02	1.81E-02	8.24E-03	1.09E-03	5.33E-02	2.35E-02	1.96E-08	1.10E-04	2.97E-05	2.36E-02	2.99E-02	1.81E-02	8.24E-03	1.09E-03	5.74E-02
1175	487447.18	3856537.45	7.10095	0.64542	0.8441	0.35308	2.87E-02	1.93E-02	5.38E-03	1.11E-03	5.45E-02	2.61E-02	2.08E-08	7.18E-05	3.04E-05	2.62E-02	3.32E-02	1.93E-02	5.38E-03	1.11E-03	5.90E-02
1176	487497.18	3856537.45	6.83627	0.64009	0.9142	0.338	2.76E-02	1.91E-02	5.83E-03	1.07E-03	5.36E-02	2.51E-02	2.06E-08	7.77E-05	2.91E-05	2.52E-02	3.20E-02	1.91E-02	5.83E-03	1.07E-03	5.80E-02
1177	487547.18	3856537.45	6.64346	0.63796	1.2504	0.33591	2.69E-02	1.90E-02	7.98E-03	1.06E-03	5.49E-02	2.44E-02	2.06E-08	1.06E-04	2.89E-05	2.46E-02	3.11E-02	1.90E-02	7.98E-03	1.06E-03	5.91E-02
1178	489285.89	3858826.54	1.37068	2.58528	1.6857	0.34478	5.54E-03	7.71E-02	1.08E-02	1.09E-03	9.45E-02	5.04E-03	8.33E-08	1.43E-04	2.97E-05	5.21E-03	6.41E-03	7.71E-02	1.08E-02	1.09E-03	9.54E-02
1179	489335.89	3858826.54	1.34475	2.51467	1.7305	0.33431	5.44E-03	7.50E-02	1.10E-02	1.06E-03	9.26E-02	4.94E-03	8.10E-08	1.47E-04	2.88E-05	5.12E-03	6.29E-03	7.50E-02	1.10E-02	1.06E-03	9.34E-02
1180	489385.89	3858826.54	1.37718	2.4342	1.7193	0.34052	5.57E-03	7.26E-02	1.10E-02	1.08E-03	9.02E-02	5.06E-03	7.85E-08	1.46E-04	2.93E-05	5.24E-03	6.44E-03	7.26E-02	1.10E-02	1.08E-03	9.11E-02
1181	489435.89	3858826.54	1.38795	2.36965	1.649	0.34693	5.61E-03	7.07E-02	1.05E-02	1.10E-03	8.79E-02	5.10E-03	7.64E-08	1.40E-04	2.99E-05	5.27E-03	6.49E-03	7.07E-02	1.05E-02	1.10E-03	8.88E-02
1182	489485.89	3858826.54	1.38462	2.31452	1.7618	0.33909	5.60E-03	6.90E-02	1.12E-02	1.07E-03	8.70E-02	5.09E-03	7.46E-08	1.50E-04	2.92E-05	5.27E-03	6.48E-03	6.91E-02	1.12E-02	1.07E-03	8.78E-02
1183	489535.89	3858826.54	1.36925	2.26273	1.7213	0.33156	5.53E-03	6.75E-02	1.10E-02	1.05E-03	8.51E-02	5.03E-03	7.29E-08	1.46E-04	2.86E-05	5.21E-03	6.40E-03	6.75E-02	1.10E-02	1.05E-03	8.59E-02
1184	489585.89	3858826.54	1.36361	2.21364	1.627	0.33117	5.51E-03	6.60E-02	1.04E-02	1.05E-03	8.30E-02	5.01E-03	7.13E-08	1.38E-04	2.85E-05	5.18E-03	6.38E-03	6.60E-02	1.04E-02	1.05E-03	8.38E-02
1185	489635.89	3858826.54	1.33114	2.17389	1.5864	0.32823	5.38E-03	6.49E-02	1.01E-02	1.04E-03	8.14E-02	4.89E-03	7.01E-08	1.35E-04	2.83E-05	5.06E-03	6.23E-03	6.49E-02	1.01E-02	1.04E-03	8.22E-02
1186	489685.89	3858826.54	1.33486	2.13361	1.6513	0.32328	5.40E-03	6.37E-02	1.05E-02	1.02E-03	8.06E-02	4.91E-03	6.88E-08	1.40E-04	2.78E-05	5.08E-03	6.24E-03	6.37E-02	1.05E-02	1.02E-03	8.14E-02
1187	489735.89	3858826.54	1.29643	2.07144	1.6275	0.31764	5.24E-03	6.18E-02	1.04E-02	1.00E-03	7.84E-02	4.77E-03	6.68E-08	1.38E-04	2.74E-05	4.93E-03	6.06E-03	6.18E-02	1.04E-02	1.00E-03	7.92E-02
1188	489785.89	3858826.54	1.28481	2.01854	1.6218	0.31611	5.19E-03	6.02E-02	1.03E-02	9.98E-04	7.68E-02	4.72E-03	6.51E-08	1.38E-04	2.72E-05	4.89E-03	6.01E-03	6.02E-02	1.03E-02	9.98E-04	7.76E-02
1189	489835.89	3858826.54	1.25071	1.96135	1.584	0.30859	5.06E-03	5.85E-02	1.01E-02	9.74E-04	7.46E-02	4.60E-03	6.32E-08	1.35E-04	2.66E-05	4.76E-03	5.85E-03	5.85E-02	1.01E-02	9.74E-04	7.54E-02
1190	489885.89	3858826.54	1.20188	1.91736	1.5434	0.30082	4.86E-03	5.72E-02	9.84E-03	9.50E-04	7.29E-02	4.42E-03	6.18E-08	1.31E-04	2.59E-05	4.58E-03	5.62E-03	5.72E-02	9.84E-03	9.50E-04	7.36E-02
1191	489935.89	3858826.54	1.20235	1.87365	1.5898	0.29227	4.86E-03	5.59E-02	1.01E-02	9.23E-04	7.18E-02	4.42E-03	6.04E-08	1.35E-04	2.52E-05	4.58E-03	5.62E-03	5.59E-02	1.01E-02	9.23E-04	7.26E-02
1192	489985.89	3858826.54	1.25111	1.8289	1.4809	0.28567	5.06E-03	5.46E-02	9.45E-03	9.02E-04	7.00E-02	4.60E-03	5.89E-08	1.26E-04	2.46E-05	4.75E-03	5.85E-03	5.46E-02	9.45E-03	9.02E-04	7.08E-02
1193	490035.89	3858826.54	1.231	1.77526	1.4377	0.28246	4.98E-03	5.30E-02	9.17E-03	8.92E-04	6.80E-02	4.53E-03	5.72E-08	1.22E-04	2.43E-05	4.67E-03	5.76E-03	5.30E-02	9.17E-03	8.92E-04	6.88E-02
1194	489285.89	3858876.54	1.41053	2.72995	1.4331	0.32961	5.70E-03	8.14E-02	9.14E-03	1.04E-03	9.73E-02	5.19E-03	8.80E-08	1.22E-04	2.84E-05	5.34E-03	6.60E-03	8.14E-02	9.14E-03	1.04E-03	9.82E-02
1195	489335.89	3858876.54	1.35183	2.65245	1.5581	0.34068	5.46E-03	7.91E-02	9.94E-03	1.08E-03	9.56E-02	4.97E-03	8.55E-08	1.33E-04	2.93E-05	5.13E-03	6.32E-03	7.91E-02	9.94E-03	1.08E-03	9.65E-02
1196	489385.89	3858876.54	1.30424	2.58096	1.6498	0.35826	5.27E-03	7.70E-02	1.05E-02	1.13E-03	9.39E-02	4.80E-03	8.32E-08	1.40E-04	3.08E-05	4.97E-03	6.10E-03	7.70E-02	1.05E-02	1.13E-03	9.48E-02
1197	489435.89	3858876.54	1.3202	2.50985	1.696	0.34015	5.34E-03	7.49E-02	1.08E-02	1.07E-03	9.21E-02	4.85E-03	8.09E-08	1.44E-04	2.93E-05	5.03E-03	6.17E-03	7.49E-02	1.08E-02	1.07E-03	9.29E-02
1198	489485.89	3858876.54	1.34929	2.43988	1.7014	0.33832	5.45E-03	7.28E-02	1.09E-02	1.07E-03	9.02E-02	4.96E-03	7.86E-08	1.45E-04	2.91E-05	5.13E-03	6.31E-03	7.28E-02	1.09E-02	1.07E-03	9.10E-02
1199	489535.89	3858876.54	1.35196	2.37458	1.6162	0.33806	5.46E-03	7.08E-02	1.03E-02	1.07E-03	8.77E-02	4.97E-03	7.65E-08	1.37E-04	2.91E-05	5.14E-03	6.32E-03	7.08E-02	1.03E-02	1.07E-03	8.85E-02
1200	489585.89	3858876.54	1.34163	2.32123	1.6495	0.33485	5.42E-03	6.93E-02	1.05E-02	1.06E-03	8.63E-02	4.93E-03	7.48E-08	1.40E-04	2.88E-05	5.10E-03	6.27E-03	6.93E-02	1.05E-02	1.06E-03	8.71E-02
1201	489635.89	3858876.54	1.32645	2.27787	1.6273	0.33587	5.36E-03	6.80E-02	1.04E-02	1.06E-03	8.48E-02	4.88E-03	7.34E-08	1.38E-04	2.89E-05	5.04E-03	6.20E-03	6.80E-02	1.04E-02	1.06E-03	8.56E-02
1202	489685.89	3858876.54	1.29641	2.21753	1.5428	0.32124	5.24E-03	6.62E-02	9.84E-03	1.01E-03	8.23E-02	4.77E-03	7.15E-08	1.31E-04	2.77E-05	4.93E-03	6.06E-03	6.62E-02	9.84E-03	1.01E-03	8.31E-02
1203	489735.89	3858876.54	1.30576	2.14662	1.5662	0.32012	5.28E-03	6.40E-02	9.99E-03	1.01E-03	8.03E-02	4.80E-03	6.92E-08	1.33E-04	2.76E-05	4.96E-03	6.11E-03	6.40E-02	9.99E-03	1.01E-03	8.11E-02
1204	489785.89	3858876.54	1.26188	2.08858	1.4942	0.31436	5.10E-03	6.23E-02	9.53E-03	9.93E-04	7.79E-02	4.64E-03	6.73E-08	1.27E-04	2.71E-05	4.79E-03	5.90E-03	6.23E-02	9.53E-03	9.93E-04	7.87E-02
1205	489835.89	3858876.54	1.24665	2.02783	1.5415	0.32037	5.04E-03	6.05E-02	9.83E-03	1.01E-03	7.64E-02	4.58E-03	6.54E-08	1.31E-04	2.76E-05	4.74E-03	5.83E-03	6.05E-02	9.83E-03	1.01E-03	7.72E-02
1206	489885.89	3858876.54	1.23267	1.98292	1.571	0.29897	4.98E-03	5.92E-02	1.00E-02	9.44E-04	7.51E-02	4.53E-03	6.39E-08	1.34E-04	2.57E-05	4.69E-03	5.76E-03	5.92E-02	1.00E-02	9.44E-04	7.59E-02
1207	489935.89	3858876.54	1.19726	1.92493	1.5356	0.29212	4.84E-03	5.74E-02	9.79E-03	9.22E-04	7.30E-02	4.40E-03	6.20E-08	1.31E-04	2.52E-05	4.56E-03	5.60E-03	5.74E-02	9.79E-03	9.22E-04	7.37E-02
1208	489985.89	3858876.54	1.15002	1.86538	1.4981	0.2906	4.65E-03	5.57E-02	9.56E-03	9.18E-04	7.08E-02	4.23E-03	6.01E-08	1.27E-04	2.50E-05	4.38E-03	5.38E-03	5.57E-02	9.56E-03	9.18E-04	7.15E-02
1209	490035.89	3858876.54	1.18713	1.8077	1.5752	0.28792	4.80E-03	5.39E-02	1.00E-02	9.09E-04	6.97E-02	4.36E-03	5.83E-08	1.34E-04	2.48E-05	4.52E-03	5.55E-03	5.39E-02	1.00E-02	9.09E-04	7.04E-02
1210	489285.89	3858926.54	1.38018	2.94674	1.3735	0.36498	5.58E-03	8.79E-02	8.76E-03	1.15E-03	1.03E-01	5.07E-03	9.50E-08	1.17E-04	3.14E-05	5.22E-03	6.45E-03	8.79E-02	8.76E-03	1.15E-03	1.04E-01
1211	489335.89	3858926.54	1.3911	2.85065	1.2957	0.35724	5.62E-03	8.50E-02	8.26E-03	1.13E-03	1.00E-01	5.11E-03	9.19E-08	1.10E-04	3.08E-05	5.26E-03	6.51E-03	8.50E-02	8.26E-03	1.13E-03	1.01E-01
1212	489385.89	3858926.54	1.32036	2.7547	1.3815	0.34193	5.34E-03	8.22E-02	8.81E-03	1.08E-03	9.74E-02	4.85E-03	8.88E-08	1.17E-04	2.94E-05	5.00E-03	6.17E-03	8.22E-02	8.81E-03	1.08E-03	9.82E-02
1213	489435.89	3858926.54	1.26547	2.64827	1.4621	0.32876	5.12E-03	7.90E-02	9.33E-03	1.04E-03	9.45E-02	4.65E-03	8.54E-08	1.24E-04	2.83E-05	4.81E-03	5.92E-03	7.90E-02	9.33E-03	1.04E-03	9.53E-02
1214	489485.89	3858926.54	1.2779	2.55267	1.5276	0.34231	5.17E-03	7.62E-02	9.74E-03	1.08E-03	9.21E-02	4.70E-03	8.23E-08	1.30E-04	2.95E-05	4.86E-03	5.98E-03	7.62E-02	9.74E-03	1.08E-03	9.30E-02
1215	489535.89	3858926.54	1.31156	2.47757	1.5666	0.34268	5.30E-03	7.39E-02	9.99E-03	1.08E-03	9.03E-02	4.82E-03	7.99E-08	1.33E-04	2.95E-05	4.98E-03	6.13E-03	7.39E-02	9.99E-03	1.08E-03	9.11E-02
1216	489585.89	3858926.54	1.32023	2.4187	1.582	0.33669	5.34E-03	7.22E-02	1.01E-02	1.06E-03	8.86E-02	4.85E-03	7.80E-08	1.35E-04	2.90E-05	5.02E-03	6.17E-03	7.22E-02	1.01E-02	1.06E-03	8.95E-02

1217	489635.89	3858926.54	1.31232	2.36222	1.5751	0.33417	5.30E-03	7.05E-02	1.00E-02	1.06E-03	8.69E-02	4.82E-03	7.61E-08	1.34E-04	2.88E-05	4.99E-03	6.14E-03	7.05E-02	1.00E-02	1.06E-03	8.77E-02
1218	489685.89	3858926.54	1.29633	2.2859	1.536	0.33345	5.24E-03	6.82E-02	9.80E-03	1.05E-03	8.43E-02	4.77E-03	7.37E-08	1.31E-04	2.87E-05	4.93E-03	6.06E-03	6.82E-02	9.80E-03	1.05E-03	8.51E-02
1219	489735.89	3858926.54	1.2842	2.21834	1.5329	0.31892	5.19E-03	6.62E-02	9.78E-03	1.01E-03	8.22E-02	4.72E-03	7.15E-08	1.30E-04	2.75E-05	4.88E-03	6.01E-03	6.62E-02	9.78E-03	1.01E-03	8.30E-02
1220	489785.89	3858926.54	1.2514	2.15577	1.4712	0.32562	5.06E-03	6.43E-02	9.38E-03	1.03E-03	7.98E-02	4.60E-03	6.95E-08	1.25E-04	2.80E-05	4.75E-03	5.85E-03	6.43E-02	9.38E-03	1.03E-03	8.06E-02
1221	489835.89	3858926.54	1.27008	2.08621	1.4737	0.30785	5.13E-03	6.22E-02	9.40E-03	9.72E-04	7.77E-02	4.67E-03	6.72E-08	1.25E-04	2.65E-05	4.82E-03	5.94E-03	6.22E-02	9.40E-03	9.72E-04	7.86E-02
1222	489885.89	3858926.54	1.22289	2.02792	1.502	0.30242	4.94E-03	6.05E-02	9.58E-03	9.55E-04	7.60E-02	4.50E-03	6.54E-08	1.28E-04	2.60E-05	4.65E-03	5.72E-03	6.05E-02	9.58E-03	9.55E-04	7.68E-02
1223	489935.89	3858926.54	1.19621	1.96548	1.4627	0.29763	4.84E-03	5.86E-02	9.33E-03	9.40E-04	7.37E-02	4.40E-03	6.33E-08	1.24E-04	2.56E-05	4.55E-03	5.59E-03	5.86E-02	9.33E-03	9.40E-04	7.45E-02
1224	489985.89	3858926.54	1.18597	1.89661	1.5236	0.29394	4.79E-03	5.66E-02	9.72E-03	9.28E-04	7.20E-02	4.36E-03	6.11E-08	1.30E-04	2.53E-05	4.52E-03	5.55E-03	5.66E-02	9.72E-03	9.28E-04	7.28E-02
1225	490035.89	3858926.54	1.14983	1.83678	1.4908	0.29083	4.65E-03	5.48E-02	9.51E-03	9.18E-04	6.99E-02	4.23E-03	5.92E-08	1.27E-04	2.50E-05	4.38E-03	5.38E-03	5.48E-02	9.51E-03	9.18E-04	7.06E-02
1226	489335.89	3858976.54	1.35471	2.96249	1.3885	0.33106	5.48E-03	8.84E-02	8.86E-03	1.05E-03	1.04E-01	4.98E-03	9.55E-08	1.18E-04	2.85E-05	5.13E-03	6.34E-03	8.84E-02	8.86E-03	1.05E-03	1.05E-01
1227	489385.89	3858976.54	1.37277	2.86275	1.3139	0.33192	5.55E-03	8.54E-02	8.38E-03	1.05E-03	1.00E-01	5.05E-03	9.23E-08	1.12E-04	2.86E-05	5.19E-03	6.42E-03	8.54E-02	8.38E-03	1.05E-03	1.01E-01
1228	489435.89	3858976.54	1.29544	2.7856	1.3363	0.34053	5.24E-03	8.31E-02	8.52E-03	1.08E-03	9.79E-02	4.76E-03	8.98E-08	1.14E-04	2.93E-05	4.91E-03	6.06E-03	8.31E-02	8.52E-03	1.08E-03	9.88E-02
1229	489485.89	3858976.54	1.25256	2.69533	1.4183	0.33559	5.06E-03	8.04E-02	9.05E-03	1.06E-03	9.56E-02	4.61E-03	8.69E-08	1.21E-04	2.89E-05	4.75E-03	5.86E-03	8.04E-02	9.05E-03	1.06E-03	9.64E-02
1230	489535.89	3858976.54	1.23714	2.60199	1.4871	0.3353	5.00E-03	7.76E-02	9.49E-03	1.06E-03	9.32E-02	4.55E-03	8.39E-08	1.26E-04	2.89E-05	4.70E-03	5.79E-03	7.76E-02	9.49E-03	1.06E-03	9.40E-02
1231	489585.89	3858976.54	1.25216	2.52021	1.5361	0.34369	5.06E-03	7.52E-02	9.80E-03	1.09E-03	9.11E-02	4.60E-03	8.12E-08	1.31E-04	2.96E-05	4.76E-03	5.86E-03	7.52E-02	9.80E-03	1.09E-03	9.19E-02
1232	489635.89	3858976.54	1.28421	2.4318	1.5665	0.34666	5.19E-03	7.25E-02	9.99E-03	1.09E-03	8.88E-02	4.72E-03	7.84E-08	1.33E-04	2.99E-05	4.88E-03	6.01E-03	7.25E-02	9.99E-03	1.09E-03	8.96E-02
1233	489685.89	3858976.54	1.28358	2.3548	1.5748	0.32138	5.19E-03	7.03E-02	1.00E-02	1.01E-03	8.65E-02	4.72E-03	7.59E-08	1.34E-04	2.77E-05	4.88E-03	6.00E-03	7.03E-02	1.00E-02	1.01E-03	8.73E-02
1234	489735.89	3858976.54	1.27101	2.2937	1.5267	0.33089	5.14E-03	6.84E-02	9.74E-03	1.04E-03	8.43E-02	4.67E-03	7.39E-08	1.30E-04	2.85E-05	4.83E-03	5.94E-03	6.84E-02	9.74E-03	1.04E-03	8.52E-02
1235	489785.89	3858976.54	1.2583	2.22225	1.5151	0.32383	5.09E-03	6.63E-02	9.66E-03	1.02E-03	8.21E-02	4.63E-03	7.16E-08	1.29E-04	2.79E-05	4.78E-03	5.88E-03	6.63E-02	9.66E-03	1.02E-03	8.29E-02
1236	489835.89	3858976.54	1.2192	2.16489	1.4574	0.31824	4.93E-03	6.46E-02	9.30E-03	1.00E-03	7.98E-02	4.48E-03	6.98E-08	1.24E-04	2.74E-05	4.63E-03	5.70E-03	6.46E-02	9.30E-03	1.00E-03	8.06E-02
1237	489885.89	3858976.54	1.24649	2.09815	1.3801	0.3091	5.04E-03	6.26E-02	8.80E-03	9.76E-04	7.74E-02	4.58E-03	6.76E-08	1.17E-04	2.66E-05	4.73E-03	5.83E-03	6.26E-02	8.80E-03	9.76E-04	7.82E-02
1238	489935.89	3858976.54	1.19913	2.04079	1.3528	0.30038	4.85E-03	6.09E-02	8.63E-03	9.48E-04	7.53E-02	4.41E-03	6.58E-08	1.15E-04	2.59E-05	4.55E-03	5.61E-03	6.09E-02	8.63E-03	9.48E-04	7.61E-02
1239	489985.89	3858976.54	1.16999	1.98842	1.3886	0.29901	4.73E-03	5.93E-02	8.86E-03	9.44E-04	7.39E-02	4.30E-03	6.41E-08	1.18E-04	2.57E-05	4.45E-03	5.47E-03	5.93E-02	8.86E-03	9.44E-04	7.46E-02
1240	490035.89	3858976.54	1.15751	1.87586	1.4186	0.30553	4.68E-03	5.60E-02	9.05E-03	9.65E-04	7.07E-02	4.26E-03	6.05E-08	1.21E-04	2.63E-05	4.40E-03	5.41E-03	5.60E-02	9.05E-03	9.65E-04	7.14E-02
1241	489385.89	3859026.54	1.3521	3.01655	1.3046	0.32148	5.47E-03	9.00E-02	8.32E-03	1.02E-03	1.05E-01	4.97E-03	9.72E-08	1.11E-04	2.77E-05	5.11E-03	6.32E-03	9.00E-02	8.32E-03	1.02E-03	1.06E-01
1242	489435.89	3859026.54	1.34313	2.90405	1.3561	0.31645	5.43E-03	8.66E-02	8.65E-03	9.99E-04	1.02E-01	4.94E-03	9.36E-08	1.15E-04	2.72E-05	5.08E-03	6.28E-03	8.66E-02	8.65E-03	9.99E-04	1.03E-01
1243	489485.89	3859026.54	1.28142	2.79355	1.2924	0.33521	5.18E-03	8.33E-02	8.24E-03	1.06E-03	9.78E-02	4.71E-03	9.00E-08	1.10E-04	2.89E-05	4.85E-03	5.99E-03	8.33E-02	8.24E-03	1.06E-03	9.86E-02
1244	489535.89	3859026.54	1.23114	2.69247	1.3754	0.3483	4.98E-03	8.03E-02	8.77E-03	1.10E-03	9.52E-02	4.53E-03	8.68E-08	1.17E-04	3.00E-05	4.67E-03	5.76E-03	8.03E-02	8.77E-03	1.10E-03	9.60E-02
1245	489585.89	3859026.54	1.20453	2.58755	1.4485	0.35691	4.87E-03	7.72E-02	9.24E-03	1.13E-03	9.24E-02	4.43E-03	8.34E-08	1.23E-04	3.07E-05	4.58E-03	5.63E-03	7.72E-02	9.24E-03	1.13E-03	9.32E-02
1246	489635.89	3859026.54	1.21524	2.49568	1.5056	0.35197	4.91E-03	7.45E-02	9.60E-03	1.11E-03	9.01E-02	4.47E-03	8.04E-08	1.28E-04	3.03E-05	4.63E-03	5.68E-03	7.45E-02	9.60E-03	1.11E-03	9.09E-02
1247	489685.89	3859026.54	1.25098	2.40609	1.5461	0.33993	5.06E-03	7.18E-02	9.86E-03	1.07E-03	8.78E-02	4.60E-03	7.75E-08	1.31E-04	2.93E-05	4.76E-03	5.85E-03	7.18E-02	9.86E-03	1.07E-03	8.86E-02
1248	489735.89	3859026.54	1.25507	2.32685	1.5647	0.34635	5.07E-03	6.94E-02	9.98E-03	1.09E-03	8.56E-02	4.61E-03	7.50E-08	1.33E-04	2.98E-05	4.78E-03	5.87E-03	6.94E-02	9.98E-03	1.09E-03	8.64E-02
1249	489785.89	3859026.54	1.24374	2.26476	1.5617	0.33637	5.03E-03	6.76E-02	9.96E-03	1.06E-03	8.36E-02	4.57E-03	7.30E-08	1.33E-04	2.90E-05	4.73E-03	5.82E-03	6.76E-02	9.96E-03	1.06E-03	8.44E-02
1250	489835.89	3859026.54	1.22735	2.19479	1.4736	0.32308	4.96E-03	6.55E-02	9.40E-03	1.02E-03	8.09E-02	4.51E-03	7.07E-08	1.25E-04	2.78E-05	4.67E-03	5.74E-03	6.55E-02	9.40E-03	1.02E-03	8.16E-02
1251	489885.89	3859026.54	1.21122	2.13646	1.4885	0.31508	4.90E-03	6.37E-02	9.49E-03	9.95E-04	7.91E-02	4.45E-03	6.89E-08	1.27E-04	2.71E-05	4.61E-03	5.66E-03	6.37E-02	9.49E-03	9.95E-04	7.99E-02
1252	489935.89	3859026.54	1.198	2.07833	1.4088	0.32074	4.84E-03	6.20E-02	8.99E-03	1.01E-03	7.68E-02	4.40E-03	6.70E-08	1.20E-04	2.76E-05	4.55E-03	5.60E-03	6.20E-02	8.99E-03	1.01E-03	7.76E-02
1253	489985.89	3859026.54	1.20523	2.02822	1.3587	0.32532	4.87E-03	6.05E-02	8.67E-03	1.03E-03	7.51E-02	4.43E-03	6.54E-08	1.16E-04	2.80E-05	4.57E-03	5.64E-03	6.05E-02	8.67E-03	1.03E-03	7.58E-02
1254	490035.89	3859026.54	1.17515	1.93618	1.29	0.32993	4.75E-03	5.78E-02	8.23E-03	1.04E-03	7.18E-02	4.32E-03	6.24E-08	1.10E-04	2.84E-05	4.46E-03	5.50E-03	5.78E-02	8.23E-03	1.04E-03	7.25E-02
1255	489485.89	3859076.54	1.28221	2.81957	1.3108	0.36211	5.18E-03	8.41E-02	8.36E-03	1.14E-03	9.88E-02	4.71E-03	9.09E-08	1.11E-04	3.12E-05	4.86E-03	6.00E-03	8.41E-02	8.36E-03	1.14E-03	9.96E-02
1256	489535.89	3859076.54	1.26712	2.70807	1.2991	0.3667	5.12E-03	8.08E-02	8.29E-03	1.16E-03	9.54E-02	4.66E-03	8.73E-08	1.10E-04	3.16E-05	4.80E-03	5.93E-03	8.08E-02	8.29E-03	1.16E-03	9.62E-02
1257	489585.89	3859076.54	1.20443	2.60281	1.3318	0.36084	4.87E-03	7.77E-02	8.49E-03	1.14E-03	9.22E-02	4.43E-03	8.39E-08	1.13E-04	3.11E-05	4.57E-03	5.63E-03	7.77E-02	8.49E-03	1.14E-03	9.29E-02
1258	489635.89	3859076.54	1.1766	2.51622	1.4047	0.34615	4.76E-03	7.51E-02	8.96E-03	1.09E-03	8.99E-02	4.33E-03	8.11E-08	1.19E-04	2.98E-05	4.48E-03	5.50E-03	7.51E-02	8.96E-03	1.09E-03	9.06E-02
1259	489685.89	3859076.54	1.17781	2.43213	1.4662	0.35344	4.76E-03	7.26E-02	9.35E-03	1.12E-03	8.78E-02	4.33E-03	7.84E-08	1.25E-04	3.04E-05	4.49E-03	5.51E-03	7.26E-02	9.35E-03	1.12E-03	8.85E-02
1260	489735.89	3859076.54	1.20518	2.35746	1.5068	0.35097	4.87E-03	7.03E-02	9.61E-03	1.11E-03	8.59E-02	4.43E-03	7.60E-08	1.28E-04	3.02E-05	4.59E-03	5.64E-03	7.03E-02	9.61E-03	1.11E-03	8.67E-02
1261	489785.89	3859076.54	1.22195	2.29152	1.5182	0.33699	4.94E-03	6.84E-02	9.68E-03	1.06E-03	8.41E-02	4.49E-03	7.39E-08	1.29E-04	2.90E-05	4.65E-03	5.71E-03	6.84E-02	9.68E-03	1.06E-03	8.48E-02
1262	489835.89	3859076.54	1.21861	2.24327	1.5248	0.33769	4.93E-03	6.69E-02	9.73E-03	1.07E-03	8.26E-02	4.48E-03	7.23E-08	1.30E-04	2.91E-05	4.64E-03	5.70E-03	6.69E-02	9.73E-03	1.07E-03	8.34E-02
1263	489885.89	3859076.54	1.2059	2.19658	1.5259	0.34092	4.87E-03	6.55E-02	9.73E-03	1.08E-03	8.12E-02	4.43E-03	7.08E-08	1.30E-04	2.94E-05	4.59E-03	5.64E-03	6.55E-02	9.73E-03	1.08E-03	8.20E-02
1264	489935.89	3859076.54	1.19756	2.15452	1.454	0.34286	4.84E-03	6.43E-02	9.27E-03	1.08E-03	7.95E-02	4.40E-03	6.94E-08	1.24E-04	2.95E-05	4.56E-03	5.60E-03	6.43E-02	9.27E-03	1.08E-03	8.02E-02
1265	489985.89	3859076.54	1.15663	2.10753	1.4106	0.3426	4.68E-03	6.29E-02	9.00E-03	1.08E-03	7.76E-02	4.25E-03	6.79E-08	1.20E-04	2.95E-05	4.40E-03	5.41E-03	6.29E-02	9.00E-03	1.08E-03	7.84E-02
1266	490035.89	3859076.54	1.20231	2.02774	1.3255	0.32465	4.86E-03	6.05E-02	8.45E-03	1.03E-03	7.48E-02	4.42E-03	6.54E-08	1.13E-04	2.80E-05	4.56E-03	5.62E-03	6.05E-02	8.45E-03	1.03E-03	7.56E-02
1267	489585.89	3859126.54	1.25179	2.73335	1.3429	0.35673	5.06E-03	8.15E-02	8.57E-03	1.13E-03	9.63E-02	4.60E-03	8.81E-08	1.14E-04	3.07E-05	4.75E-03	5.85E-03	8.15E-02	8.57E-03	1.13E-03	9.71E-02
1268	489635.89	3859126.54	1.18156	2.64515	1.2832	0.35629	4.78E-03	7.89E-02	8.19E-03	1.12E-03	9.30E-02	4.34E-03	8.53E-08	1.09E-04	3.07E-05	4.48E-03	5.53E-03	7.89E-02	8.19E-03	1.12E-03	9.37E-02
1269	489685.89	3859126.54	1.15079	2.56553	1.3585	0.35551	4.65E-03	7.65E-02	8.66E-03	1.12E-03	9.10E-02	4.23E-03	8.27E-08	1.16E-04	3.06E-05	4.38E-03	5.38E-03	7.65E-02	8.66E-03	1.12E-03	9.17E-02
1270	489735.89	3859126.54	1.14486	2.48889	1.4242	0.35435	4.63E-03	7.43E-02	9.08E-03	1.12E-03	8.91E-02	4.21E-03	8.02E-08	1.21E-04	3.05E-05	4.36E-03	5.35E-03	7.43E-02	9.08E-03	1.12E-03	8.98E-02
1271	489785.89	3859126.54	1.15437	2.41582	1.4562	0.35305	4.67E-03	7.21E-02	9.29E-03	1.11E-03	8.71E-02	4.24E-03	7.79E-08	1.24E-04	3.04E-05	4.40E-03	5.40E-03	7.21E-02	9.29E-03	1.11E-03	8.79E-02
1272	489835.89	3859126.54	1.19263	2.33953	1.4709	0.35288	4.82E-03	6.98E-02	9.38E-03	1.11E-03	8.51E-02	4.38E-03	7.54E-08	1.25E-04	3.04E-05	4.54E-03	5.58E-03	6.98E-02	9.38E-03	1.11E-03	8.59E-02
1273	489885.89	3859126.54	1.19377	2.26245	1.4808	0.34931	4.83E-03	6.75E-02	9.45E-03	1.10E-03	8.29E-02	4.39E-03	7.29E-08	1.26E-04	3.01E-05	4.54E-03	5.58E-03	6.75E-02	9.45E-03	1.10E-03	8.36E-02
1274	489935.89	3859126.54	1.18401	2.21932	1.485	0.34321	4.79E-03	6.62E-02	9.47E-03	1.08E-03	8.16E-02	4.35E-03	7.15E-08	1.26E-04	2.96E-05	4.51E-03	5.54E-03	6.62E-02	9.47E-03	1.08E-03	8.23E-02
1275	489985.89	3859126.54	1.16943	2.15874	1.4606	0.32071	4.73E-03	6.44E-02	9.32E-03	1.01E-03	7.95E-02	4.30E-03	6.96E-08	1.24E-04	2.76E-05	4.45E-03	5.47E-03	6.44E-02	9.32E-03	1.01E-03	8.02E-02
1276	490035.89	3859126.54	1.153	2.09732	1.4342	0.30554	4.66E-03	6.26E-02	9.15E-03	9.65E-04	7.73E-02	4.24E-03	6.76E-08	1.22E-04	2.63E-05	4.39E-03	5.39E-03	6.26E-02	9.15E-03	9.65E-04	7.81E-02
1277	489585.89	3859176.54	1.23797	2.86696	1.2463	0.36324	5.00E-03	8.55E-02	7.95E-03	1.15E-03	9.96E-02	4.55E-03	9.24E-08	1.06E-04	3.13E-05	4.69E-03	5.79E-03	8.55E-02	7.95E-03	1.15E-03	1.00E-01

1278	489635.89	3859176.54	1.23625	2.7735	1.3276	0.35802	5.00E-03	8.27E-02	8.47E-03	1.13E-03	9.73E-02	4.55E-03	8.94E-08	1.13E-04	3.08E-05	4.69E-03	5.78E-03	8.27E-02	8.47E-03	1.13E-03	9.81E-02
1279	489685.89	3859176.54	1.16867	2.68467	1.2709	0.35622	4.72E-03	8.01E-02	8.11E-03	1.12E-03	9.40E-02	4.30E-03	8.65E-08	1.08E-04	3.07E-05	4.44E-03	5.47E-03	8.01E-02	8.11E-03	1.12E-03	9.48E-02
1280	489735.89	3859176.54	1.12974	2.60909	1.3105	0.35388	4.57E-03	7.78E-02	8.36E-03	1.12E-03	9.19E-02	4.15E-03	8.41E-08	1.11E-04	3.05E-05	4.30E-03	5.28E-03	7.78E-02	8.36E-03	1.12E-03	9.26E-02
1281	489785.89	3859176.54	1.12282	2.53036	1.3803	0.35135	4.54E-03	7.55E-02	8.80E-03	1.11E-03	8.99E-02	4.13E-03	8.16E-08	1.17E-04	3.03E-05	4.28E-03	5.25E-03	7.55E-02	8.80E-03	1.11E-03	9.07E-02
1282	489835.89	3859176.54	1.12222	2.45688	1.4072	0.34892	4.54E-03	7.33E-02	8.98E-03	1.10E-03	8.79E-02	4.13E-03	7.92E-08	1.20E-04	3.00E-05	4.28E-03	5.25E-03	7.33E-02	8.98E-03	1.10E-03	8.86E-02
1283	489885.89	3859176.54	1.16325	2.38016	1.4246	0.34567	4.70E-03	7.10E-02	9.09E-03	1.09E-03	8.59E-02	4.28E-03	7.67E-08	1.21E-04	2.98E-05	4.43E-03	5.44E-03	7.10E-02	9.09E-03	1.09E-03	8.66E-02
1284	489935.89	3859176.54	1.17031	2.31262	1.4363	0.33119	4.73E-03	6.90E-02	9.16E-03	1.05E-03	8.39E-02	4.30E-03	7.45E-08	1.22E-04	2.85E-05	4.45E-03	5.47E-03	6.90E-02	9.16E-03	1.05E-03	8.47E-02
1285	489985.89	3859176.54	1.16496	2.22008	1.4447	0.32198	4.71E-03	6.62E-02	9.21E-03	1.02E-03	8.12E-02	4.28E-03	7.16E-08	1.23E-04	2.77E-05	4.43E-03	5.45E-03	6.62E-02	9.21E-03	1.02E-03	8.19E-02
1286	490035.89	3859176.54	1.15028	2.16785	1.4281	0.3155	4.65E-03	6.47E-02	9.11E-03	9.96E-04	7.94E-02	4.23E-03	6.99E-08	1.21E-04	2.72E-05	4.38E-03	5.38E-03	6.47E-02	9.11E-03	9.96E-04	8.02E-02
1287	489685.89	3859226.54	1.20393	2.77672	1.2623	0.36356	4.87E-03	8.28E-02	8.05E-03	1.15E-03	9.69E-02	4.43E-03	8.95E-08	1.07E-04	3.13E-05	4.56E-03	5.63E-03	8.28E-02	8.05E-03	1.15E-03	9.77E-02
1288	489735.89	3859226.54	1.1558	2.70555	1.3061	0.36687	4.67E-03	8.07E-02	8.33E-03	1.16E-03	9.49E-02	4.25E-03	8.72E-08	1.11E-04	3.16E-05	4.39E-03	5.41E-03	8.07E-02	8.33E-03	1.16E-03	9.56E-02
1289	489785.89	3859226.54	1.10489	2.62538	1.2652	0.36536	4.47E-03	7.83E-02	8.07E-03	1.15E-03	9.20E-02	4.06E-03	8.46E-08	1.08E-04	3.15E-05	4.20E-03	5.17E-03	7.83E-02	8.07E-03	1.15E-03	9.27E-02
1290	489835.89	3859226.54	1.08757	2.54182	1.3365	0.347	4.40E-03	7.58E-02	8.52E-03	1.10E-03	8.98E-02	4.00E-03	8.19E-08	1.14E-04	2.99E-05	4.14E-03	5.09E-03	7.58E-02	8.52E-03	1.10E-03	9.05E-02
1291	489885.89	3859226.54	1.09152	2.46792	1.3601	0.33939	4.41E-03	7.36E-02	8.68E-03	1.07E-03	8.78E-02	4.01E-03	7.95E-08	1.16E-04	2.92E-05	4.16E-03	5.10E-03	7.36E-02	8.68E-03	1.07E-03	8.85E-02
1292	489935.89	3859226.54	1.10173	2.3939	1.3791	0.32981	4.45E-03	7.14E-02	8.80E-03	1.04E-03	8.57E-02	4.05E-03	7.72E-08	1.17E-04	2.84E-05	4.20E-03	5.15E-03	7.14E-02	8.80E-03	1.04E-03	8.64E-02
1293	489985.89	3859226.54	1.1466	2.28859	1.3948	0.32873	4.63E-03	6.83E-02	8.90E-03	1.04E-03	8.28E-02	4.22E-03	7.38E-08	1.19E-04	2.83E-05	4.36E-03	5.36E-03	6.83E-02	8.90E-03	1.04E-03	8.36E-02
1294	490035.89	3859226.54	1.1429	2.23415	1.4036	0.32198	4.62E-03	6.67E-02	8.95E-03	1.02E-03	8.12E-02	4.20E-03	7.20E-08	1.19E-04	2.77E-05	4.35E-03	5.34E-03	6.67E-02	8.95E-03	1.02E-03	8.20E-02
1295	489735.89	3859276.54	1.16833	2.7798	1.195	0.37803	4.72E-03	8.29E-02	7.62E-03	1.19E-03	9.65E-02	4.30E-03	8.96E-08	1.02E-04	3.26E-05	4.43E-03	5.46E-03	8.29E-02	7.62E-03	1.19E-03	9.72E-02
1296	489785.89	3859276.54	1.14366	2.70586	1.3255	0.36661	4.62E-03	8.07E-02	8.45E-03	1.16E-03	9.50E-02	4.20E-03	8.72E-08	1.13E-04	3.16E-05	4.35E-03	5.35E-03	8.07E-02	8.45E-03	1.16E-03	9.57E-02
1297	489835.89	3859276.54	1.0923	2.62656	1.2597	0.34346	4.42E-03	7.84E-02	8.03E-03	1.08E-03	9.19E-02	4.02E-03	8.47E-08	1.07E-04	2.96E-05	4.15E-03	5.11E-03	7.84E-02	8.03E-03	1.08E-03	9.26E-02
1298	489885.89	3859276.54	1.05837	2.56027	1.2888	0.34218	4.28E-03	7.64E-02	8.22E-03	1.08E-03	9.00E-02	3.89E-03	8.25E-08	1.10E-04	2.95E-05	4.03E-03	4.95E-03	7.64E-02	8.22E-03	1.08E-03	9.06E-02
1299	489935.89	3859276.54	1.07524	2.48249	1.3144	0.33854	4.35E-03	7.41E-02	8.38E-03	1.07E-03	8.79E-02	3.95E-03	8.00E-08	1.12E-04	2.92E-05	4.09E-03	5.03E-03	7.41E-02	8.38E-03	1.07E-03	8.85E-02
1300	489985.89	3859276.54	1.07857	2.36748	1.3366	0.32535	4.36E-03	7.06E-02	8.53E-03	1.03E-03	8.45E-02	3.97E-03	7.63E-08	1.14E-04	2.80E-05	4.11E-03	5.04E-03	7.06E-02	8.53E-03	1.03E-03	8.52E-02
1301	490035.89	3859276.54	1.1176	2.32867	1.3511	0.31716	4.52E-03	6.95E-02	8.62E-03	1.00E-03	8.36E-02	4.11E-03	7.51E-08	1.15E-04	2.73E-05	4.25E-03	5.23E-03	6.95E-02	8.62E-03	1.00E-03	8.43E-02
1302	490458.06	3859590.74	0.94273	1.95879	1.1341	0.29624	3.81E-03	5.84E-02	7.23E-03	9.35E-04	7.04E-02	3.47E-03	6.31E-08	9.64E-05	2.55E-05	3.59E-03	4.41E-03	5.84E-02	7.23E-03	9.35E-04	7.10E-02
1303	490508.06	3859590.74	0.9703	1.89632	1.1505	0.29603	3.92E-03	5.66E-02	7.34E-03	9.35E-04	6.88E-02	3.57E-03	6.11E-08	9.78E-05	2.55E-05	3.69E-03	4.54E-03	5.66E-02	7.34E-03	9.35E-04	6.94E-02
1304	490558.06	3859590.74	0.97007	1.83396	1.1638	0.29911	3.92E-03	5.47E-02	7.42E-03	9.44E-04	6.70E-02	3.57E-03	5.91E-08	9.90E-05	2.58E-05	3.69E-03	4.54E-03	5.47E-02	7.42E-03	9.44E-04	6.76E-02
1305	490608.06	3859590.74	0.9614	1.76802	1.1733	0.3009	3.89E-03	5.27E-02	7.48E-03	9.50E-04	6.51E-02	3.53E-03	5.70E-08	9.98E-05	2.59E-05	3.66E-03	4.50E-03	5.27E-02	7.48E-03	9.50E-04	6.57E-02
1306	490658.06	3859590.74	0.94715	1.69872	1.1801	0.29744	3.83E-03	5.07E-02	7.53E-03	9.39E-04	6.30E-02	3.48E-03	5.48E-08	1.00E-04	2.56E-05	3.61E-03	4.43E-03	5.07E-02	7.53E-03	9.39E-04	6.36E-02
1307	490708.06	3859590.74	0.92783	1.64301	1.2525	0.29405	3.75E-03	4.90E-02	7.99E-03	9.28E-04	6.17E-02	3.41E-03	5.30E-08	1.07E-04	2.53E-05	3.54E-03	4.34E-03	4.90E-02	7.99E-03	9.28E-04	6.23E-02
1308	490758.06	3859590.74	0.94413	1.59142	1.1962	0.29089	3.82E-03	4.75E-02	7.63E-03	9.18E-04	5.98E-02	3.47E-03	5.13E-08	1.02E-04	2.50E-05	3.60E-03	4.42E-03	4.75E-02	7.63E-03	9.18E-04	6.04E-02
1309	490808.06	3859590.74	0.93824	1.54981	1.1858	0.28726	3.79E-03	4.62E-02	7.56E-03	9.07E-04	5.85E-02	3.45E-03	5.00E-08	1.01E-04	2.47E-05	3.58E-03	4.39E-03	4.62E-02	7.56E-03	9.07E-04	5.91E-02
1310	490858.06	3859590.74	0.93974	1.5045	1.1833	0.28408	3.80E-03	4.49E-02	7.55E-03	8.97E-04	5.71E-02	3.45E-03	4.85E-08	1.01E-04	2.45E-05	3.58E-03	4.39E-03	4.49E-02	7.55E-03	8.97E-04	5.77E-02
1311	490458.06	3859640.74	0.90999	1.96324	1.0801	0.30774	3.68E-03	5.86E-02	6.89E-03	9.72E-04	7.01E-02	3.35E-03	6.33E-08	9.19E-05	2.65E-05	3.46E-03	4.26E-03	5.86E-02	6.89E-03	9.72E-04	7.07E-02
1312	490508.06	3859640.74	0.91098	1.92534	1.0992	0.30687	3.68E-03	5.74E-02	7.01E-03	9.69E-04	6.91E-02	3.35E-03	6.21E-08	9.35E-05	2.64E-05	3.47E-03	4.26E-03	5.74E-02	7.01E-03	9.69E-04	6.97E-02
1313	490558.06	3859640.74	0.94716	1.88035	1.1161	0.30553	3.83E-03	5.61E-02	7.12E-03	9.65E-04	6.80E-02	3.48E-03	6.06E-08	9.49E-05	2.63E-05	3.60E-03	4.43E-03	5.61E-02	7.12E-03	9.65E-04	6.86E-02
1314	490608.06	3859640.74	0.95324	1.83539	1.1319	0.3034	3.85E-03	5.48E-02	7.22E-03	9.58E-04	6.68E-02	3.50E-03	5.92E-08	9.63E-05	2.61E-05	3.63E-03	4.46E-03	5.48E-02	7.22E-03	9.58E-04	6.74E-02
1315	490658.06	3859640.74	0.94802	1.76363	1.1432	0.30183	3.83E-03	5.26E-02	7.29E-03	9.53E-04	6.47E-02	3.49E-03	5.68E-08	9.72E-05	2.60E-05	3.61E-03	4.43E-03	5.26E-02	7.29E-03	9.53E-04	6.53E-02
1316	490708.06	3859640.74	0.93596	1.68873	1.1568	0.30027	3.78E-03	5.04E-02	7.38E-03	9.48E-04	6.25E-02	3.44E-03	5.44E-08	9.84E-05	2.59E-05	3.57E-03	4.38E-03	5.04E-02	7.38E-03	9.48E-04	6.31E-02
1317	490758.06	3859640.74	0.91902	1.61134	1.1869	0.29954	3.71E-03	4.81E-02	7.57E-03	9.46E-04	6.03E-02	3.38E-03	5.19E-08	1.01E-04	2.58E-05	3.51E-03	4.30E-03	4.81E-02	7.57E-03	9.46E-04	6.09E-02
1318	490808.06	3859640.74	0.90485	1.56771	1.1984	0.29774	3.66E-03	4.68E-02	7.64E-03	9.40E-04	5.90E-02	3.33E-03	5.05E-08	1.02E-04	2.56E-05	3.45E-03	4.23E-03	4.68E-02	7.64E-03	9.40E-04	5.96E-02
1319	490858.06	3859640.74	0.93036	1.53508	1.161	0.29594	3.76E-03	4.58E-02	7.41E-03	9.34E-04	5.79E-02	3.42E-03	4.95E-08	9.87E-05	2.55E-05	3.54E-03	4.35E-03	4.58E-02	7.41E-03	9.34E-04	5.85E-02
1320	490608.06	3859690.74	0.91282	1.82571	1.0851	0.29989	3.69E-03	5.45E-02	6.92E-03	9.47E-04	6.60E-02	3.36E-03	5.88E-08	9.23E-05	2.58E-05	3.47E-03	4.27E-03	5.45E-02	6.92E-03	9.47E-04	6.66E-02
1321	490658.06	3859690.74	0.93752	1.7739	1.1018	0.29723	3.79E-03	5.29E-02	7.03E-03	9.38E-04	6.47E-02	3.45E-03	5.72E-08	9.37E-05	2.56E-05	3.57E-03	4.38E-03	5.29E-02	7.03E-03	9.38E-04	6.53E-02
1322	490708.06	3859690.74	0.93396	1.70529	1.1135	0.29429	3.78E-03	5.09E-02	7.10E-03	9.29E-04	6.27E-02	3.43E-03	5.50E-08	9.47E-05	2.53E-05	3.55E-03	4.37E-03	5.09E-02	7.10E-03	9.29E-04	6.33E-02
1323	490758.06	3859690.74	0.92472	1.65323	1.1228	0.29191	3.74E-03	4.93E-02	7.16E-03	9.22E-04	6.11E-02	3.40E-03	5.33E-08	9.55E-05	2.51E-05	3.52E-03	4.32E-03	4.93E-02	7.16E-03	9.22E-04	6.17E-02
1324	490808.06	3859690.74	0.90767	1.59171	1.1295	0.28889	3.67E-03	4.75E-02	7.20E-03	9.12E-04	5.93E-02	3.34E-03	5.13E-08	9.61E-05	2.49E-05	3.46E-03	4.24E-03	4.75E-02	7.20E-03	9.12E-04	5.98E-02
1325	490858.06	3859690.74	0.88702	1.56113	1.194	0.28711	3.59E-03	4.66E-02	7.62E-03	9.07E-04	5.87E-02	3.26E-03	5.03E-08	1.02E-04	2.47E-05	3.39E-03	4.15E-03	4.66E-02	7.62E-03	9.07E-04	5.92E-02
1326	490708.06	3859740.74	0.91236	1.73108	1.0713	0.30026	3.69E-03	5.16E-02	6.83E-03	9.48E-04	6.31E-02	3.35E-03	5.58E-08	9.11E-05	2.59E-05	3.47E-03	4.27E-03	5.16E-02	6.83E-03	9.48E-04	6.37E-02
1327	490758.06	3859740.74	0.91716	1.70342	1.0836	0.29362	3.71E-03	5.08E-02	6.91E-03	9.27E-04	6.24E-02	3.37E-03	5.49E-08	9.22E-05	2.53E-05	3.49E-03	4.29E-03	5.08E-02	6.91E-03	9.27E-04	6.29E-02
1328	490808.06	3859740.74	0.909	1.65483	1.0935	0.29288	3.67E-03	4.94E-02	6.98E-03	9.25E-04	6.09E-02	3.34E-03	5.33E-08	9.30E-05	2.52E-05	3.46E-03	4.25E-03	4.94E-02	6.98E-03	9.25E-04	6.15E-02
1329	490858.06	3859740.74	0.89136	1.60611	1.1528	0.29375	3.60E-03	4.79E-02	7.35E-03	9.27E-04	5.98E-02	3.28E-03	5.18E-08	9.80E-05	2.53E-05	3.40E-03	4.17E-03	4.79E-02	7.35E-03	9.27E-04	6.04E-02
1330	490786.56	3859749.39	0.91145	1.68634	1.0827	0.29371	3.68E-03	5.03E-02	6.91E-03	9.27E-04	6.18E-02	3.35E-03	5.44E-08	9.21E-05	2.53E-05	3.47E-03	4.26E-03	5.03E-02	6.91E-03	9.27E-04	6.24E-02
1331	490836.56	3859749.39	0.90065	1.6382	1.0919	0.29375	3.64E-03	4.89E-02	6.96E-03	9.27E-04	6.04E-02	3.31E-03	5.28E-08	9.29E-05	2.53E-05	3.43E-03	4.21E-03	4.89E-02	6.96E-03	9.27E-04	6.10E-02
1332	490786.56	3859799.39	0.88896	1.71231	1.0392	0.30329	3.59E-03	5.11E-02	6.63E-03	9.58E-04	6.23E-02	3.27E-03	5.52E-08	8.84E-05	2.61E-05	3.38E-03	4.16E-03	5.11E-02	6.63E-03	9.58E-04	6.28E-02
1333	490836.56	3859799.39	0.89509	1.67902	1.053	0.29864	3.62E-03	5.01E-02	6.72E-03	9.43E-04	6.14E-02	3.29E-03	5.41E-08	8.96E-05	2.57E-05	3.41E-03	4.19E-03	5.01E-02	6.72E-03	9.43E-04	6.19E-02
1334	492307.84	3854508.36	0.6344	0.14437	0.8971	0.21771	2.56E-03	4.31E-03	5.72E-03	6.87E-04	1.33E-02	2.33E-03	4.65E-09	7.63E-05	1.87E-05	2.43E-03	2.97E-03	4.31E-03	5.72E-03	6.87E-04	1.37E-02
1335	486445.7	3854753.6	0.79358	0.15152	0.5078	0.43358	3.21E-03	4.52E-03	3.24E-03	1.37E-03	1.23E-02	2.92E-03	4.88E-09	4.32E-05	3.73E-05	3.00E-03	3.71E-03	4.52E-03	3.24E-03	1.37E-03	1.28E-02
1336	472599.75	3877830.11	0.07531	0.05889	0.0426	0.0548	3.04E-04	1.76E-03	2.71E-04	1.73E-04	2.51E-03	2.77E-04	1.90E-09	3.62E-06	4.72E-06	2.85E-04	3.52E-04	1.76E-03	2.71E-04	1.73E-04	2.55E-03
1337	493107.48	3866840.19	0.32477	0.17842	0.2056	0.17355	1.31E-03	5.32E-03	1.31E-03	5.48E-04	8.50E-03	1.19E-03	5.75E-09	1.75E-05	1.49E-05	1.23E-03	1.52E-03	5.32E-03	1.31E-03	5.48E-04	8.70E-03
1338	495815.79	3861662.87	0.37873	0.44576	0.49	0.14179	1.53E-03	1.33E-02	3.13E-03	4.48E-04	1.84E-02	1.39E-03	1.44E-08	4.17E-05	1.22E-05	1.45E-03	1.77E-03	1.33E-02	3.13E-03	4.48E-04	1.86E-02

1339	480272.33	3841389.2	0.03863	0.01658	0.1142	0.05987	1.56E-04	4.95E-04	7.29E-04	1.89E-04	1.57E-03	1.42E-04	5.34E-10	9.71E-06	5.16E-06	1.57E-04	1.81E-04	4.95E-04	7.29E-04	1.89E-04	1.59E-03
1340	497005.18	3862813.64	0.29419	0.35393	0.4475	0.14853	1.19E-03	1.06E-02	2.85E-03	4.69E-04	1.51E-02	1.08E-03	1.14E-08	3.81E-05	1.28E-05	1.13E-03	1.38E-03	1.06E-02	2.85E-03	4.69E-04	1.53E-02
1341	493677.33	3860302.55	0.74841	0.8033	0.9567	0.22155	3.03E-03	2.40E-02	6.10E-03	7.00E-04	3.38E-02	2.75E-03	2.59E-08	8.14E-05	1.91E-05	2.85E-03	3.50E-03	2.40E-02	6.10E-03	7.00E-04	3.43E-02
1342	493727.33	3860302.55	0.7561	0.79441	0.9935	0.2207	3.06E-03	2.37E-02	6.34E-03	6.97E-04	3.38E-02	2.78E-03	2.56E-08	8.45E-05	1.90E-05	2.88E-03	3.54E-03	2.37E-02	6.34E-03	6.97E-04	3.43E-02
1343	493777.33	3860302.55	0.74748	0.78383	0.9729	0.21977	3.02E-03	2.34E-02	6.21E-03	6.94E-04	3.33E-02	2.75E-03	2.53E-08	8.27E-05	1.89E-05	2.85E-03	3.50E-03	2.34E-02	6.21E-03	6.94E-04	3.38E-02
1344	493827.33	3860302.55	0.73719	0.77352	0.9781	0.21883	2.98E-03	2.31E-02	6.24E-03	6.91E-04	3.30E-02	2.71E-03	2.49E-08	8.32E-05	1.88E-05	2.81E-03	3.45E-03	2.31E-02	6.24E-03	6.91E-04	3.35E-02
1345	493877.33	3860302.55	0.74074	0.76429	0.9998	0.21802	2.99E-03	2.28E-02	6.38E-03	6.88E-04	3.29E-02	2.72E-03	2.46E-08	8.50E-05	1.88E-05	2.83E-03	3.46E-03	2.28E-02	6.38E-03	6.88E-04	3.33E-02
1346	493927.33	3860302.55	0.75006	0.76027	1.0211	0.21727	3.03E-03	2.27E-02	6.51E-03	6.86E-04	3.29E-02	2.76E-03	2.45E-08	8.68E-05	1.87E-05	2.86E-03	3.51E-03	2.27E-02	6.51E-03	6.86E-04	3.34E-02
1347	493977.33	3860302.55	0.76144	0.74887	1.0376	0.21582	3.08E-03	2.23E-02	6.62E-03	6.81E-04	3.27E-02	2.80E-03	2.41E-08	8.82E-05	1.86E-05	2.91E-03	3.56E-03	2.23E-02	6.62E-03	6.81E-04	3.32E-02
1348	494027.33	3860302.55	0.75864	0.74012	1.0552	0.21428	3.07E-03	2.21E-02	6.73E-03	6.77E-04	3.26E-02	2.79E-03	2.39E-08	8.97E-05	1.85E-05	2.90E-03	3.55E-03	2.21E-02	6.73E-03	6.77E-04	3.30E-02
1349	493677.33	3860352.55	0.70375	0.81358	1.0063	0.22155	2.84E-03	2.43E-02	6.42E-03	7.00E-04	3.42E-02	2.59E-03	2.62E-08	8.56E-05	1.91E-05	2.69E-03	3.29E-03	2.43E-02	6.42E-03	7.00E-04	3.47E-02
1350	493727.33	3860352.55	0.719	0.80582	0.9724	0.22091	2.91E-03	2.40E-02	6.20E-03	6.97E-04	3.38E-02	2.64E-03	2.60E-08	8.27E-05	1.90E-05	2.75E-03	3.36E-03	2.40E-02	6.20E-03	6.97E-04	3.43E-02
1351	493777.33	3860352.55	0.73357	0.79784	0.9385	0.22024	2.97E-03	2.38E-02	5.99E-03	6.95E-04	3.34E-02	2.70E-03	2.57E-08	7.98E-05	1.90E-05	2.80E-03	3.43E-03	2.38E-02	5.99E-03	6.95E-04	3.39E-02
1352	493827.33	3860352.55	0.74124	0.78924	0.9705	0.21947	3.00E-03	2.35E-02	6.19E-03	6.93E-04	3.34E-02	2.73E-03	2.54E-08	8.25E-05	1.89E-05	2.83E-03	3.47E-03	2.35E-02	6.19E-03	6.93E-04	3.39E-02
1353	493877.33	3860352.55	0.73308	0.77993	0.977	0.2186	2.96E-03	2.33E-02	6.23E-03	6.90E-04	3.32E-02	2.70E-03	2.51E-08	8.31E-05	1.88E-05	2.80E-03	3.43E-03	2.33E-02	6.23E-03	6.90E-04	3.36E-02
1354	493927.33	3860352.55	0.72413	0.76697	0.953	0.21759	2.93E-03	2.29E-02	6.08E-03	6.87E-04	3.26E-02	2.66E-03	2.47E-08	8.11E-05	1.87E-05	2.76E-03	3.39E-03	2.29E-02	6.08E-03	6.87E-04	3.30E-02
1355	493977.33	3860352.55	0.72784	0.75173	0.9713	0.21649	2.94E-03	2.24E-02	6.20E-03	6.84E-04	3.22E-02	2.68E-03	2.42E-08	8.26E-05	1.86E-05	2.78E-03	3.40E-03	2.24E-02	6.20E-03	6.84E-04	3.27E-02
1356	494027.33	3860352.55	0.73755	0.7415	0.9917	0.21571	2.98E-03	2.21E-02	6.33E-03	6.81E-04	3.21E-02	2.71E-03	2.39E-08	8.43E-05	1.86E-05	2.81E-03	3.45E-03	2.21E-02	6.33E-03	6.81E-04	3.26E-02
1357	493677.33	3860402.55	0.68945	0.81965	1.0055	0.22065	2.79E-03	2.45E-02	6.41E-03	6.97E-04	3.44E-02	2.53E-03	2.64E-08	8.55E-05	1.90E-05	2.64E-03	3.22E-03	2.45E-02	6.41E-03	6.97E-04	3.48E-02
1358	493727.33	3860402.55	0.67795	0.81262	1.0089	0.22012	2.74E-03	2.42E-02	6.44E-03	6.95E-04	3.41E-02	2.49E-03	2.62E-08	8.58E-05	1.90E-05	2.60E-03	3.17E-03	2.42E-02	6.44E-03	6.95E-04	3.45E-02
1359	493777.33	3860402.55	0.69101	0.80422	0.9996	0.21913	2.79E-03	2.40E-02	6.38E-03	6.92E-04	3.39E-02	2.54E-03	2.59E-08	8.50E-05	1.89E-05	2.64E-03	3.23E-03	2.40E-02	6.38E-03	6.92E-04	3.43E-02
1360	493827.33	3860402.55	0.70523	0.79741	0.9648	0.2187	2.85E-03	2.38E-02	6.15E-03	6.91E-04	3.35E-02	2.59E-03	2.57E-08	8.21E-05	1.88E-05	2.69E-03	3.30E-03	2.38E-02	6.15E-03	6.91E-04	3.39E-02
1361	493877.33	3860402.55	0.71958	0.78989	0.9321	0.21809	2.91E-03	2.36E-02	5.95E-03	6.89E-04	3.31E-02	2.65E-03	2.55E-08	7.93E-05	1.88E-05	2.74E-03	3.37E-03	2.36E-02	5.95E-03	6.89E-04	3.36E-02
1362	493927.33	3860402.55	0.72953	0.78074	0.939	0.21711	2.95E-03	2.33E-02	5.99E-03	6.85E-04	3.29E-02	2.68E-03	2.52E-08	7.99E-05	1.87E-05	2.78E-03	3.41E-03	2.33E-02	5.99E-03	6.85E-04	3.34E-02
1363	493977.33	3860402.55	0.72366	0.76902	0.9712	0.21601	2.93E-03	2.29E-02	6.19E-03	6.82E-04	3.27E-02	2.66E-03	2.48E-08	8.26E-05	1.86E-05	2.76E-03	3.38E-03	2.29E-02	6.19E-03	6.82E-04	3.32E-02
1364	494027.33	3860402.55	0.71281	0.75826	0.9429	0.21543	2.88E-03	2.26E-02	6.01E-03	6.80E-04	3.22E-02	2.62E-03	2.44E-08	8.02E-05	1.86E-05	2.72E-03	3.33E-03	2.26E-02	6.01E-03	6.80E-04	3.26E-02
1365	493677.33	3860452.55	0.6608	0.81938	0.958	0.2183	2.67E-03	2.44E-02	6.11E-03	6.89E-04	3.39E-02	2.43E-03	2.64E-08	8.15E-05	1.88E-05	2.53E-03	3.09E-03	2.44E-02	6.11E-03	6.89E-04	3.43E-02
1366	493727.33	3860452.55	0.6709	0.8129	0.9583	0.21819	2.71E-03	2.43E-02	6.11E-03	6.89E-04	3.38E-02	2.47E-03	2.62E-08	8.15E-05	1.88E-05	2.57E-03	3.14E-03	2.43E-02	6.11E-03	6.89E-04	3.42E-02
1367	493777.33	3860452.55	0.67454	0.80665	0.9658	0.21772	2.73E-03	2.41E-02	6.16E-03	6.87E-04	3.36E-02	2.48E-03	2.60E-08	8.21E-05	1.87E-05	2.58E-03	3.15E-03	2.41E-02	6.16E-03	6.87E-04	3.41E-02
1368	493827.33	3860452.55	0.66513	0.80062	0.979	0.21694	2.69E-03	2.39E-02	6.24E-03	6.85E-04	3.35E-02	2.45E-03	2.58E-08	8.33E-05	1.87E-05	2.55E-03	3.11E-03	2.39E-02	6.24E-03	6.85E-04	3.39E-02
1369	493877.33	3860452.55	0.6775	0.79399	0.9877	0.21625	2.74E-03	2.37E-02	6.30E-03	6.83E-04	3.34E-02	2.49E-03	2.56E-08	8.40E-05	1.86E-05	2.59E-03	3.17E-03	2.37E-02	6.30E-03	6.83E-04	3.38E-02
1370	493927.33	3860452.55	0.69479	0.78613	0.9638	0.21524	2.81E-03	2.35E-02	6.15E-03	6.80E-04	3.31E-02	2.55E-03	2.53E-08	8.20E-05	1.85E-05	2.65E-03	3.25E-03	2.35E-02	6.15E-03	6.80E-04	3.35E-02
1371	493977.33	3860452.55	0.70903	0.77915	0.9324	0.2147	2.87E-03	2.32E-02	5.95E-03	6.78E-04	3.27E-02	2.61E-03	2.51E-08	7.93E-05	1.85E-05	2.70E-03	3.32E-03	2.32E-02	5.95E-03	6.78E-04	3.32E-02
1372	494027.33	3860452.55	0.71775	0.77205	0.9057	0.21415	2.90E-03	2.30E-02	5.78E-03	6.76E-04	3.24E-02	2.64E-03	2.49E-08	7.70E-05	1.84E-05	2.73E-03	3.36E-03	2.30E-02	5.78E-03	6.76E-04	3.28E-02
1373	493677.33	3860502.55	0.62439	0.80428	0.8712	0.21494	2.52E-03	2.40E-02	5.56E-03	6.79E-04	3.28E-02	2.30E-03	2.59E-08	7.41E-05	1.85E-05	2.39E-03	2.92E-03	2.40E-02	5.56E-03	6.79E-04	3.31E-02
1374	493727.33	3860502.55	0.62606	0.79764	0.8971	0.21487	2.53E-03	2.38E-02	5.72E-03	6.78E-04	3.27E-02	2.30E-03	2.57E-08	7.63E-05	1.85E-05	2.40E-03	2.93E-03	2.38E-02	5.72E-03	6.78E-04	3.31E-02
1375	493777.33	3860502.55	0.64714	0.79109	0.9198	0.21454	2.62E-03	2.36E-02	5.87E-03	6.77E-04	3.28E-02	2.38E-03	2.55E-08	7.82E-05	1.85E-05	2.48E-03	3.03E-03	2.36E-02	5.87E-03	6.77E-04	3.32E-02
1376	493827.33	3860502.55	0.6584	0.78466	0.9304	0.21415	2.66E-03	2.34E-02	5.93E-03	6.76E-04	3.27E-02	2.42E-03	2.53E-08	7.91E-05	1.84E-05	2.52E-03	3.08E-03	2.34E-02	5.93E-03	6.76E-04	3.31E-02
1377	493877.33	3860502.55	0.66378	0.77867	0.9456	0.2135	2.68E-03	2.32E-02	6.03E-03	6.74E-04	3.26E-02	2.44E-03	2.51E-08	8.04E-05	1.84E-05	2.54E-03	3.10E-03	2.32E-02	6.03E-03	6.74E-04	3.30E-02
1378	493927.33	3860502.55	0.65522	0.77256	0.9623	0.21272	2.65E-03	2.30E-02	6.14E-03	6.72E-04	3.25E-02	2.41E-03	2.49E-08	8.18E-05	1.83E-05	2.51E-03	3.06E-03	2.30E-02	6.14E-03	6.72E-04	3.29E-02
1379	493977.33	3860502.55	0.66635	0.76641	0.9651	0.21237	2.69E-03	2.29E-02	6.16E-03	6.71E-04	3.24E-02	2.45E-03	2.47E-08	8.21E-05	1.83E-05	2.55E-03	3.12E-03	2.29E-02	6.16E-03	6.71E-04	3.28E-02
1380	494027.33	3860502.55	0.68108	0.76032	0.9535	0.21189	2.75E-03	2.27E-02	6.08E-03	6.69E-04	3.22E-02	2.50E-03	2.45E-08	8.11E-05	1.82E-05	2.60E-03	3.19E-03	2.27E-02	6.08E-03	6.69E-04	3.26E-02
1381	493627.33	3860552.55	0.62235	0.7911	0.732	0.21068	2.52E-03	2.36E-02	4.67E-03	6.65E-04	3.15E-02	2.29E-03	2.55E-08	6.23E-05	1.81E-05	2.37E-03	2.91E-03	2.36E-02	4.67E-03	6.65E-04	3.18E-02
1382	493677.33	3860552.55	0.60471	0.78418	0.7567	0.21083	2.44E-03	2.34E-02	4.83E-03	6.66E-04	3.13E-02	2.22E-03	2.53E-08	6.44E-05	1.82E-05	2.31E-03	2.83E-03	2.34E-02	4.83E-03	6.66E-04	3.17E-02
1383	493727.33	3860552.55	0.59704	0.77605	0.7872	0.21086	2.41E-03	2.32E-02	5.02E-03	6.66E-04	3.13E-02	2.20E-03	2.50E-08	6.69E-05	1.82E-05	2.28E-03	2.79E-03	2.32E-02	5.02E-03	6.66E-04	3.16E-02
1384	493777.33	3860552.55	0.61022	0.76775	0.825	0.21055	2.47E-03	2.29E-02	5.26E-03	6.65E-04	3.13E-02	2.24E-03	2.47E-08	7.02E-05	1.81E-05	2.33E-03	2.85E-03	2.29E-02	5.26E-03	6.65E-04	3.17E-02
1385	493827.33	3860552.55	0.61529	0.76412	0.8679	0.21004	2.49E-03	2.28E-02	5.54E-03	6.63E-04	3.15E-02	2.26E-03	2.46E-08	7.38E-05	1.81E-05	2.35E-03	2.88E-03	2.28E-02	5.54E-03	6.63E-04	3.19E-02
1386	493877.33	3860552.55	0.63513	0.75817	0.8925	0.20989	2.57E-03	2.26E-02	5.69E-03	6.63E-04	3.15E-02	2.34E-03	2.44E-08	7.59E-05	1.81E-05	2.43E-03	2.97E-03	2.26E-02	5.69E-03	6.63E-04	3.19E-02
1387	493927.33	3860552.55	0.64745	0.75246	0.9085	0.20938	2.62E-03	2.24E-02	5.79E-03	6.61E-04	3.15E-02	2.38E-03	2.43E-08	7.73E-05	1.80E-05	2.48E-03	3.03E-03	2.24E-02	5.79E-03	6.61E-04	3.19E-02
1388	493977.33	3860552.55	0.65294	0.74668	0.9244	0.20882	2.64E-03	2.23E-02	5.90E-03	6.59E-04	3.15E-02	2.40E-03	2.41E-08	7.86E-05	1.80E-05	2.50E-03	3.05E-03	2.23E-02	5.90E-03	6.59E-04	3.19E-02
1389	494027.33	3860552.55	0.6421	0.74105	0.9299	0.20858	2.60E-03	2.21E-02	5.93E-03	6.59E-04	3.13E-02	2.36E-03	2.39E-08	7.91E-05	1.80E-05	2.46E-03	3.00E-03	2.21E-02	5.93E-03	6.59E-04	3.17E-02
1390	493627.33	3860602.55	0.61098	0.78254	0.748	0.20027	2.47E-03	2.33E-02	4.77E-03	6.32E-04	3.12E-02	2.25E-03	2.52E-08	6.36E-05	1.72E-05	2.33E-03	2.86E-03	2.33E-02	4.77E-03	6.32E-04	3.16E-02
1391	493727.33	3860602.55	0.60444	0.767	0.7145	0.20181	2.44E-03	2.29E-02	4.56E-03	6.37E-04	3.05E-02	2.22E-03	2.47E-08	6.08E-05	1.74E-05	2.30E-03	2.83E-03	2.29E-02	4.56E-03	6.37E-04	3.09E-02
1392	493777.33	3860602.55	0.58417	0.75889	0.7253	0.2018	2.36E-03	2.26E-02	4.63E-03	6.37E-04	3.03E-02	2.15E-03	2.45E-08	6.17E-05	1.74E-05	2.23E-03	2.73E-03	2.26E-02	4.63E-03	6.37E-04	3.06E-02
1393	493827.33	3860602.55	0.58624	0.75106	0.7611	0.20211	2.37E-03	2.24E-02	4.85E-03	6.38E-04	3.03E-02	2.16E-03	2.42E-08	6.47E-05	1.74E-05	2.24E-03	2.74E-03	2.24E-02	4.85E-03	6.38E-04	3.06E-02
1394	493877.33	3860602.55	0.60027	0.74311	0.8042	0.20213	2.43E-03	2.22E-02	5.13E-03	6.38E-04	3.04E-02	2.21E-03	2.40E-08	6.84E-05	1.74E-05	2.29E-03	2.81E-03	2.22E-02	5.13E-03	6.38E-04	3.07E-02
1395	493927.33	3860602.55	0.60642	0.7354	0.8418	0.20234	2.45E-03	2.19E-02	5.37E-03	6.39E-04	3.04E-02	2.23E-03	2.37E-08	7.16E-05	1.74E-05	2.32E-03	2.84E-03	2.19E-02	5.37E-03	6.39E-04	3.08E-02
1396	493977.33	3860602.55	0.62581	0.727	0.8753	0.20249	2.53E-03	2.17E-02	5.58E-03	6.39E-04	3.04E-02	2.30E-03	2.34E-08	7.44E-05	1.74E-05	2.39E-03	2.93E-03	2.17E-02	5.58E-03	6.39E-04	3.08E-02
1397	494027.33	3860602.55	0.63569	0.72061	0.8825	0.20292	2.57E-03	2.15E-02	5.63E-03	6.41E-04	3.03E-02	2.34E-03	2.32E-08	7.51E-05	1.75E-05	2.43E-03	2.97E-03	2.15E-02	5.63E-03	6.41E-04	3.07E-02
1398	493627.33	3860652.55	0.56892	0.75952	0.7058	0.19896	2.30E-03	2.27E-02	4.50E-03	6.28E-04	3.01E-02	2.09E-03	2.45E-08	6.00E-05	1.71E-05	2.17E-03	2.66E-03	2.27E-02	4.50E-03	6.28E-04	3.05E-02
1399	493727.33	3860652.55	0.59348	0.75419	0.7095	0.19899	2.40E-03	2.25E-02	4.53E-03	6.28E-04	3.01E-02	2.18E-03	2.43E-08	6.03E-05	1.71E-05	2.26E-03	2.78E-03	2.25E-02	4.53E-03	6.28E-04	3.04E-02

1400	493777.33	3860652.55	0.59367	0.74885	0.7346	0.19809	2.40E-03	2.23E-02	4.69E-03	6.25E-04	3.01E-02	2.18E-03	2.41E-08	6.25E-05	1.71E-05	2.26E-03	2.78E-03	2.23E-02	4.69E-03	6.25E-04	3.04E-02
1401	493827.33	3860652.55	0.59343	0.7414	0.7064	0.1969	2.40E-03	2.21E-02	4.51E-03	6.22E-04	2.96E-02	2.18E-03	2.39E-08	6.01E-05	1.70E-05	2.26E-03	2.78E-03	2.21E-02	4.51E-03	6.22E-04	3.00E-02
1402	493877.33	3860652.55	0.56669	0.7339	0.7079	0.19535	2.29E-03	2.19E-02	4.52E-03	6.17E-04	2.93E-02	2.08E-03	2.37E-08	6.02E-05	1.68E-05	2.16E-03	2.65E-03	2.19E-02	4.52E-03	6.17E-04	2.97E-02
1403	493927.33	3860652.55	0.57728	0.72663	0.7441	0.194	2.33E-03	2.17E-02	4.75E-03	6.13E-04	2.94E-02	2.12E-03	2.34E-08	6.33E-05	1.67E-05	2.20E-03	2.70E-03	2.17E-02	4.75E-03	6.13E-04	2.97E-02
1404	493977.33	3860652.55	0.5894	0.71942	0.779	0.19272	2.38E-03	2.15E-02	4.97E-03	6.08E-04	2.94E-02	2.17E-03	2.32E-08	6.62E-05	1.66E-05	2.25E-03	2.76E-03	2.15E-02	4.97E-03	6.08E-04	2.98E-02
1405	494027.33	3860652.55	0.59825	0.71214	0.8194	0.19193	2.42E-03	2.12E-02	5.23E-03	6.06E-04	2.95E-02	2.20E-03	2.30E-08	6.97E-05	1.65E-05	2.29E-03	2.80E-03	2.12E-02	5.23E-03	6.06E-04	2.99E-02
1406	494311.06	3858401.99	0.28595	0.16933	0.855	0.17184	1.16E-03	5.05E-03	5.45E-03	5.43E-04	1.22E-02	1.05E-03	5.46E-09	7.27E-05	1.48E-05	1.14E-03	1.34E-03	5.05E-03	5.45E-03	5.43E-04	1.24E-02
1407	494361.06	3858401.99	0.27852	0.16668	0.8393	0.1712	1.13E-03	4.97E-03	5.35E-03	5.41E-04	1.20E-02	1.02E-03	5.37E-09	7.14E-05	1.47E-05	1.11E-03	1.30E-03	4.97E-03	5.35E-03	5.41E-04	1.22E-02
1408	494411.06	3858401.99	0.27236	0.16528	0.8272	0.17069	1.10E-03	4.93E-03	5.28E-03	5.39E-04	1.18E-02	1.00E-03	5.33E-09	7.03E-05	1.47E-05	1.09E-03	1.27E-03	4.93E-03	5.28E-03	5.39E-04	1.20E-02
1409	494461.06	3858401.99	0.27099	0.16397	0.8189	0.17035	1.10E-03	4.89E-03	5.22E-03	5.38E-04	1.17E-02	9.96E-04	5.28E-09	6.96E-05	1.47E-05	1.08E-03	1.27E-03	4.89E-03	5.22E-03	5.38E-04	1.19E-02
1410	494511.06	3858401.99	0.26371	0.16155	0.8064	0.16988	1.07E-03	4.82E-03	5.14E-03	5.36E-04	1.16E-02	9.70E-04	5.21E-09	6.86E-05	1.46E-05	1.05E-03	1.23E-03	4.82E-03	5.14E-03	5.36E-04	1.17E-02
1411	494561.06	3858401.99	0.2617	0.16037	0.8025	0.17018	1.06E-03	4.78E-03	5.12E-03	5.37E-04	1.15E-02	9.62E-04	5.17E-09	6.83E-05	1.47E-05	1.05E-03	1.22E-03	4.78E-03	5.12E-03	5.37E-04	1.17E-02
1412	494611.06	3858401.99	0.25829	0.15813	0.7914	0.16964	1.04E-03	4.72E-03	5.05E-03	5.36E-04	1.13E-02	9.50E-04	5.10E-09	6.73E-05	1.46E-05	1.03E-03	1.21E-03	4.72E-03	5.05E-03	5.36E-04	1.15E-02
1413	494661.06	3858401.99	0.25411	0.15614	0.7813	0.16906	1.03E-03	4.66E-03	4.98E-03	5.34E-04	1.12E-02	9.34E-04	5.03E-09	6.64E-05	1.46E-05	1.02E-03	1.19E-03	4.66E-03	4.98E-03	5.34E-04	1.14E-02
1414	494711.06	3858401.99	0.24433	0.15348	0.7599	0.16769	9.88E-04	4.58E-03	4.85E-03	5.29E-04	1.09E-02	8.98E-04	4.95E-09	6.46E-05	1.44E-05	9.77E-04	1.14E-03	4.58E-03	4.85E-03	5.29E-04	1.11E-02
1415	494761.06	3858401.99	0.24073	0.1494	0.7505	0.1674	9.73E-04	4.46E-03	4.79E-03	5.29E-04	1.07E-02	8.85E-04	4.82E-09	6.38E-05	1.44E-05	9.63E-04	1.13E-03	4.46E-03	4.79E-03	5.29E-04	1.09E-02
1416	494811.06	3858401.99	0.234	0.14732	0.7385	0.16649	9.46E-04	4.40E-03	4.71E-03	5.26E-04	1.06E-02	8.60E-04	4.75E-09	6.28E-05	1.43E-05	9.37E-04	1.09E-03	4.40E-03	4.71E-03	5.26E-04	1.07E-02
1417	494861.06	3858401.99	0.22837	0.14627	0.7275	0.1658	9.23E-04	4.36E-03	4.64E-03	5.23E-04	1.05E-02	8.40E-04	4.71E-09	6.19E-05	1.43E-05	9.16E-04	1.07E-03	4.36E-03	4.64E-03	5.23E-04	1.06E-02
1418	494911.06	3858401.99	0.22381	0.14524	0.7168	0.16519	9.05E-04	4.33E-03	4.57E-03	5.22E-04	1.03E-02	8.23E-04	4.68E-09	6.10E-05	1.42E-05	8.98E-04	1.05E-03	4.33E-03	4.57E-03	5.22E-04	1.05E-02
1419	494961.06	3858401.99	0.22121	0.14335	0.7057	0.16449	8.94E-04	4.28E-03	4.50E-03	5.19E-04	1.02E-02	8.13E-04	4.62E-09	6.00E-05	1.42E-05	8.87E-04	1.03E-03	4.28E-03	4.50E-03	5.19E-04	1.03E-02
1420	495011.06	3858401.99	0.21814	0.14085	0.6997	0.1634	8.82E-04	4.20E-03	4.46E-03	5.16E-04	1.01E-02	8.02E-04	4.54E-09	5.95E-05	1.41E-05	8.76E-04	1.02E-03	4.20E-03	4.46E-03	5.16E-04	1.02E-02
1421	495061.06	3858401.99	0.2155	0.13874	0.6985	0.16274	8.71E-04	4.14E-03	4.46E-03	5.14E-04	9.98E-03	7.92E-04	4.47E-09	5.94E-05	1.40E-05	8.66E-04	1.01E-03	4.14E-03	4.46E-03	5.14E-04	1.01E-02
1422	495111.06	3858401.99	0.2113	0.13622	0.6872	0.15784	8.54E-04	4.06E-03	4.38E-03	4.98E-04	9.80E-03	7.77E-04	4.39E-09	5.84E-05	1.36E-05	8.49E-04	9.88E-04	4.06E-03	4.38E-03	4.98E-04	9.93E-03
1423	495161.06	3858401.99	0.20974	0.13559	0.6844	0.15733	8.48E-04	4.05E-03	4.37E-03	4.97E-04	9.75E-03	7.71E-04	4.37E-09	5.82E-05	1.35E-05	8.43E-04	9.81E-04	4.05E-03	4.37E-03	4.97E-04	9.89E-03
1424	495211.06	3858401.99	0.20493	0.13342	0.6709	0.15544	8.28E-04	3.98E-03	4.28E-03	4.91E-04	9.58E-03	7.53E-04	4.30E-09	5.71E-05	1.34E-05	8.24E-04	9.58E-04	3.98E-03	4.28E-03	4.91E-04	9.71E-03
1425	495261.06	3858401.99	0.20127	0.13217	0.6681	0.15431	8.14E-04	3.94E-03	4.26E-03	4.87E-04	9.51E-03	7.40E-04	4.26E-09	5.68E-05	1.33E-05	8.10E-04	9.41E-04	3.94E-03	4.26E-03	4.87E-04	9.63E-03
1426	495311.06	3858401.99	0.19722	0.13087	0.6652	0.15311	7.97E-04	3.90E-03	4.24E-03	4.83E-04	9.43E-03	7.25E-04	4.22E-09	5.66E-05	1.32E-05	7.95E-04	9.22E-04	3.90E-03	4.24E-03	4.83E-04	9.55E-03
1427	495361.06	3858401.99	0.19523	0.12994	0.6626	0.15219	7.89E-04	3.88E-03	4.23E-03	4.81E-04	9.37E-03	7.18E-04	4.19E-09	5.63E-05	1.31E-05	7.87E-04	9.13E-04	3.88E-03	4.23E-03	4.81E-04	9.50E-03
1428	495411.06	3858401.99	0.19566	0.12939	0.6565	0.15191	7.91E-04	3.86E-03	4.19E-03	4.80E-04	9.32E-03	7.19E-04	4.17E-09	5.58E-05	1.31E-05	7.88E-04	9.15E-04	3.86E-03	4.19E-03	4.80E-04	9.44E-03
1429	495461.06	3858401.99	0.19611	0.129	0.6507	0.15178	7.93E-04	3.85E-03	4.15E-03	4.79E-04	9.27E-03	7.21E-04	4.16E-09	5.53E-05	1.31E-05	7.89E-04	9.17E-04	3.85E-03	4.15E-03	4.79E-04	9.40E-03
1430	495511.06	3858401.99	0.19613	0.1285	0.6448	0.1516	7.93E-04	3.83E-03	4.11E-03	4.79E-04	9.22E-03	7.21E-04	4.14E-09	5.48E-05	1.31E-05	7.89E-04	9.17E-04	3.83E-03	4.11E-03	4.79E-04	9.34E-03
1431	495561.06	3858401.99	0.19551	0.12726	0.6395	0.15145	7.90E-04	3.80E-03	4.08E-03	4.78E-04	9.14E-03	7.19E-04	4.10E-09	5.44E-05	1.30E-05	7.86E-04	9.14E-04	3.80E-03	4.08E-03	4.78E-04	9.27E-03
1432	495611.06	3858401.99	0.19631	0.12688	0.6374	0.15124	7.94E-04	3.79E-03	4.07E-03	4.78E-04	9.12E-03	7.22E-04	4.09E-09	5.42E-05	1.30E-05	7.89E-04	9.18E-04	3.79E-03	4.07E-03	4.78E-04	9.25E-03
1433	495661.06	3858401.99	0.19904	0.1274	0.6352	0.15158	8.05E-04	3.80E-03	4.05E-03	4.79E-04	9.14E-03	7.32E-04	4.11E-09	5.40E-05	1.31E-05	7.99E-04	9.31E-04	3.80E-03	4.05E-03	4.79E-04	9.26E-03
1434	494311.06	3858451.99	0.30745	0.17495	0.9394	0.17356	1.24E-03	5.22E-03	5.99E-03	5.48E-04	1.30E-02	1.13E-03	5.64E-09	7.99E-05	1.49E-05	1.23E-03	1.44E-03	5.22E-03	5.99E-03	5.48E-04	1.32E-02
1435	494361.06	3858451.99	0.29829	0.17334	0.881	0.17305	1.21E-03	5.17E-03	5.62E-03	5.46E-04	1.25E-02	1.10E-03	5.59E-09	7.49E-05	1.49E-05	1.19E-03	1.39E-03	5.17E-03	5.62E-03	5.46E-04	1.27E-02
1436	494411.06	3858451.99	0.29183	0.172	0.8691	0.17255	1.18E-03	5.13E-03	5.54E-03	5.45E-04	1.24E-02	1.07E-03	5.54E-09	7.39E-05	1.49E-05	1.16E-03	1.36E-03	5.13E-03	5.54E-03	5.45E-04	1.26E-02
1437	494461.06	3858451.99	0.28953	0.17071	0.8581	0.17233	1.17E-03	5.09E-03	5.47E-03	5.44E-04	1.23E-02	1.06E-03	5.50E-09	7.30E-05	1.48E-05	1.15E-03	1.35E-03	5.09E-03	5.47E-03	5.44E-04	1.25E-02
1438	494511.06	3858451.99	0.29003	0.16905	0.8496	0.17262	1.17E-03	5.04E-03	5.42E-03	5.45E-04	1.22E-02	1.07E-03	5.45E-09	7.23E-05	1.49E-05	1.15E-03	1.36E-03	5.04E-03	5.42E-03	5.45E-04	1.24E-02
1439	494561.06	3858451.99	0.28528	0.16602	0.837	0.17308	1.15E-03	4.95E-03	5.34E-03	5.46E-04	1.20E-02	1.05E-03	5.35E-09	7.12E-05	1.49E-05	1.13E-03	1.33E-03	4.95E-03	5.34E-03	5.46E-04	1.22E-02
1440	494611.06	3858451.99	0.28189	0.16366	0.8264	0.17346	1.14E-03	4.88E-03	5.27E-03	5.48E-04	1.18E-02	1.04E-03	5.27E-09	7.03E-05	1.49E-05	1.12E-03	1.32E-03	4.88E-03	5.27E-03	5.48E-04	1.20E-02
1441	494661.06	3858451.99	0.27482	0.16114	0.8154	0.17384	1.11E-03	4.81E-03	5.20E-03	5.49E-04	1.17E-02	1.01E-03	5.19E-09	6.93E-05	1.50E-05	1.09E-03	1.29E-03	4.81E-03	5.20E-03	5.49E-04	1.18E-02
1442	494711.06	3858451.99	0.26615	0.15801	0.8025	0.17318	1.08E-03	4.71E-03	5.12E-03	5.47E-04	1.15E-02	9.79E-04	5.09E-09	6.83E-05	1.49E-05	1.06E-03	1.24E-03	4.71E-03	5.12E-03	5.47E-04	1.16E-02
1443	494761.06	3858451.99	0.25747	0.15519	0.7896	0.17151	1.04E-03	4.63E-03	5.04E-03	5.42E-04	1.12E-02	9.47E-04	5.00E-09	6.72E-05	1.48E-05	1.03E-03	1.20E-03	4.63E-03	5.04E-03	5.42E-04	1.14E-02
1444	494811.06	3858451.99	0.25289	0.15405	0.7784	0.17019	1.02E-03	4.60E-03	4.97E-03	5.37E-04	1.11E-02	9.30E-04	4.97E-09	6.62E-05	1.47E-05	1.01E-03	1.18E-03	4.60E-03	4.97E-03	5.37E-04	1.13E-02
1445	494861.06	3858451.99	0.24649	0.15265	0.7501	0.16865	9.96E-04	4.55E-03	4.78E-03	5.32E-04	1.09E-02	9.06E-04	4.92E-09	6.38E-05	1.45E-05	9.85E-04	1.15E-03	4.55E-03	4.78E-03	5.32E-04	1.10E-02
1446	494911.06	3858451.99	0.23841	0.15018	0.7488	0.16743	9.64E-04	4.48E-03	4.78E-03	5.29E-04	1.07E-02	8.77E-04	4.84E-09	6.37E-05	1.44E-05	9.55E-04	1.11E-03	4.48E-03	4.78E-03	5.29E-04	1.09E-02
1447	494961.06	3858451.99	0.23317	0.14522	0.74	0.16611	9.43E-04	4.33E-03	4.72E-03	5.24E-04	1.05E-02	8.57E-04	4.68E-09	6.29E-05	1.43E-05	9.34E-04	1.09E-03	4.33E-03	4.72E-03	5.24E-04	1.07E-02
1448	495011.06	3858451.99	0.22386	0.14329	0.7262	0.16543	9.05E-04	4.27E-03	4.63E-03	5.22E-04	1.03E-02	8.23E-04	4.62E-09	6.18E-05	1.42E-05	8.99E-04	1.05E-03	4.27E-03	4.63E-03	5.22E-04	1.05E-02
1449	495061.06	3858451.99	0.22083	0.14228	0.7179	0.16481	8.93E-04	4.24E-03	4.58E-03	5.20E-04	1.02E-02	8.12E-04	4.59E-09	6.11E-05	1.42E-05	8.87E-04	1.03E-03	4.24E-03	4.58E-03	5.20E-04	1.04E-02
1450	495111.06	3858451.99	0.21597	0.14045	0.7044	0.16412	8.73E-04	4.19E-03	4.49E-03	5.18E-04	1.01E-02	7.94E-04	4.53E-09	5.99E-05	1.41E-05	8.68E-04	1.01E-03	4.19E-03	4.49E-03	5.18E-04	1.02E-02
1451	495161.06	3858451.99	0.21261	0.13844	0.6897	0.16339	8.59E-04	4.13E-03	4.40E-03	5.16E-04	9.90E-03	7.82E-04	4.46E-09	5.87E-05	1.41E-05	8.54E-04	9.94E-04	4.13E-03	4.40E-03	5.16E-04	1.00E-02
1452	495211.06	3858451.99	0.20941	0.13662	0.6756	0.15655	8.46E-04	4.08E-03	4.31E-03	4.94E-04	9.73E-03	7.70E-04	4.40E-09	5.75E-05	1.35E-05	8.41E-04	9.79E-04	4.08E-03	4.31E-03	4.94E-04	9.86E-03
1453	495261.06	3858451.99	0.20705	0.13541	0.6663	0.15531	8.37E-04	4.04E-03	4.25E-03	4.90E-04	9.62E-03	7.61E-04	4.36E-09	5.67E-05	1.34E-05	8.31E-04	9.68E-04	4.04E-03	4.25E-03	4.90E-04	9.75E-03
1454	495311.06	3858451.99	0.20485	0.1344	0.6635	0.15424	8.28E-04	4.01E-03	4.23E-03	4.87E-04	9.56E-03	7.53E-04	4.33E-09	5.64E-05	1.33E-05	8.23E-04	9.58E-04	4.01E-03	4.23E-03	4.87E-04	9.69E-03
1455	495361.06	3858451.99	0.20288	0.13355	0.6619	0.15328	8.20E-04	3.98E-03	4.22E-03	4.84E-04	9.51E-03	7.46E-04	4.30E-09	5.63E-05	1.32E-05	8.15E-04	9.49E-04	3.98E-03	4.22E-03	4.84E-04	9.64E-03
1456	495411.06	3858451.99	0.2014	0.13311	0.661	0.15289	8.14E-04	3.97E-03	4.22E-03	4.83E-04	9.48E-03	7.40E-04	4.29E-09	5.62E-05	1.32E-05	8.10E-04	9.42E-04	3.97E-03	4.22E-03	4.83E-04	9.61E-03
1457	495461.06	3858451.99	0.20004	0.13277	0.6602	0.15266	8.09E-04	3.96E-03	4.21E-03	4.82E-04	9.46E-03	7.35E-04	4.28E-09	5.61E-05	1.31E-05	8.05E-04	9.36E-04	3.96E-03	4.21E-03	4.82E-04	9.59E-03
1458	495511.06	3858451.99	0.19869	0.13182	0.6582	0.15227	8.03E-04	3.93E-03	4.20E-03	4.81E-04	9.41E-03	7.30E-04	4.25E-09	5.60E-05	1.31E-05	8.00E-04	9.29E-04	3.93E-03	4.20E-03	4.81E-04	9.54E-03
1459	495561.06	3858451.99	0.20121	0.13187	0.658	0.15207	8.13E-04	3.93E-03	4.20E-03	4.80E-04	9.42E-03	7.40E-04	4.25E-09	5.60E-05	1.31E-05	8.09E-04	9.41E-04	3.93E-03	4.20E-03	4.80E-04	9.55E-03
1460	495611.06	3858451.99	0.19915	0.13074	0.6555	0.1516	8.05E-04	3.90E-03	4.18E-03	4.79E-04	9.37E-03	7.32E-04	4.21E-09	5.58E-05	1.31E-05	8.01E-04	9.31E-04	3.90E-03	4.18E-03	4.79E-04	9.49E-03

1461	495661.06	3858451.99	0.20074	0.13058	0.6548	0.1513	8.11E-04	3.90E-03	4.18E-03	4.78E-04	9.36E-03	7.38E-04	4.21E-09	5.57E-05	1.30E-05	8.07E-04	9.39E-04	3.90E-03	4.18E-03	4.78E-04	9.49E-03
1462	494311.06	3858501.99	0.3175	0.17942	0.9921	0.17605	1.28E-03	5.35E-03	6.33E-03	5.56E-04	1.35E-02	1.17E-03	5.78E-09	8.44E-05	1.52E-05	1.27E-03	1.48E-03	5.35E-03	6.33E-03	5.56E-04	1.37E-02
1463	494361.06	3858501.99	0.31252	0.17794	0.9854	0.17621	1.26E-03	5.31E-03	6.29E-03	5.56E-04	1.34E-02	1.15E-03	5.74E-09	8.38E-05	1.52E-05	1.25E-03	1.46E-03	5.31E-03	6.29E-03	5.56E-04	1.36E-02
1464	494411.06	3858501.99	0.30891	0.17622	0.9788	0.1756	1.25E-03	5.26E-03	6.24E-03	5.54E-04	1.33E-02	1.14E-03	5.68E-09	8.32E-05	1.51E-05	1.23E-03	1.44E-03	5.26E-03	6.24E-03	5.54E-04	1.35E-02
1465	494461.06	3858501.99	0.30868	0.17511	0.9723	0.17537	1.25E-03	5.22E-03	6.20E-03	5.54E-04	1.32E-02	1.13E-03	5.64E-09	8.27E-05	1.51E-05	1.23E-03	1.44E-03	5.22E-03	6.20E-03	5.54E-04	1.34E-02
1466	494511.06	3858501.99	0.29974	0.17211	0.8964	0.17585	1.21E-03	5.13E-03	5.72E-03	5.55E-04	1.26E-02	1.10E-03	5.55E-09	7.62E-05	1.51E-05	1.19E-03	1.40E-03	5.13E-03	5.72E-03	5.55E-04	1.28E-02
1467	494561.06	3858501.99	0.29979	0.17185	0.9596	0.17591	1.21E-03	5.13E-03	6.12E-03	5.55E-04	1.30E-02	1.10E-03	5.54E-09	8.16E-05	1.51E-05	1.20E-03	1.40E-03	5.13E-03	6.12E-03	5.55E-04	1.32E-02
1468	494611.06	3858501.99	0.29425	0.16895	0.8895	0.17632	1.19E-03	5.04E-03	5.67E-03	5.57E-04	1.25E-02	1.08E-03	5.45E-09	7.57E-05	1.52E-05	1.17E-03	1.38E-03	5.04E-03	5.67E-03	5.57E-04	1.26E-02
1469	494661.06	3858501.99	0.29352	0.16691	0.883	0.17649	1.19E-03	4.98E-03	5.63E-03	5.57E-04	1.24E-02	1.08E-03	5.38E-09	7.51E-05	1.52E-05	1.17E-03	1.37E-03	4.98E-03	5.63E-03	5.57E-04	1.25E-02
1470	494711.06	3858501.99	0.28799	0.16421	0.8689	0.17663	1.16E-03	4.90E-03	5.54E-03	5.58E-04	1.22E-02	1.06E-03	5.29E-09	7.39E-05	1.52E-05	1.15E-03	1.35E-03	4.90E-03	5.54E-03	5.58E-04	1.23E-02
1471	494761.06	3858501.99	0.28089	0.16218	0.8385	0.1756	1.14E-03	4.84E-03	5.35E-03	5.54E-04	1.19E-02	1.03E-03	5.23E-09	7.13E-05	1.51E-05	1.12E-03	1.31E-03	4.84E-03	5.35E-03	5.54E-04	1.21E-02
1472	494811.06	3858501.99	0.27306	0.16033	0.8077	0.17357	1.10E-03	4.78E-03	5.15E-03	5.48E-04	1.16E-02	1.00E-03	5.17E-09	6.87E-05	1.49E-05	1.09E-03	1.28E-03	4.78E-03	5.15E-03	5.48E-04	1.18E-02
1473	494861.06	3858501.99	0.2661	0.15922	0.7976	0.17216	1.08E-03	4.75E-03	5.09E-03	5.44E-04	1.15E-02	9.78E-04	5.13E-09	6.78E-05	1.48E-05	1.06E-03	1.24E-03	4.75E-03	5.09E-03	5.44E-04	1.16E-02
1474	494911.06	3858501.99	0.2541	0.15644	0.7812	0.16932	1.03E-03	4.67E-03	4.98E-03	5.35E-04	1.12E-02	9.34E-04	5.04E-09	6.64E-05	1.46E-05	1.02E-03	1.19E-03	4.67E-03	4.98E-03	5.35E-04	1.14E-02
1475	494961.06	3858501.99	0.24729	0.15531	0.7408	0.16787	1.00E-03	4.63E-03	4.73E-03	5.30E-04	1.09E-02	9.09E-04	5.01E-09	6.30E-05	1.45E-05	9.87E-04	1.16E-03	4.63E-03	4.73E-03	5.30E-04	1.10E-02
1476	495011.06	3858501.99	0.23707	0.1477	0.7289	0.16672	9.58E-04	4.41E-03	4.65E-03	5.26E-04	1.05E-02	8.72E-04	4.76E-09	6.20E-05	1.44E-05	9.48E-04	1.11E-03	4.41E-03	4.65E-03	5.26E-04	1.07E-02
1477	495061.06	3858501.99	0.23456	0.14668	0.7222	0.1661	9.48E-04	4.38E-03	4.61E-03	5.24E-04	1.05E-02	8.62E-04	4.73E-09	6.14E-05	1.43E-05	9.38E-04	1.10E-03	4.38E-03	4.61E-03	5.24E-04	1.06E-02
1478	495111.06	3858501.99	0.22478	0.14407	0.708	0.16535	9.09E-04	4.30E-03	4.52E-03	5.22E-04	1.02E-02	8.26E-04	4.64E-09	6.02E-05	1.42E-05	9.01E-04	1.05E-03	4.30E-03	4.52E-03	5.22E-04	1.04E-02
1479	495161.06	3858501.99	0.21615	0.14238	0.704	0.16465	8.74E-04	4.25E-03	4.49E-03	5.20E-04	1.01E-02	7.95E-04	4.59E-09	5.99E-05	1.42E-05	8.69E-04	1.01E-03	4.25E-03	4.49E-03	5.20E-04	1.03E-02
1480	495211.06	3858501.99	0.21246	0.14073	0.7035	0.16395	8.59E-04	4.20E-03	4.49E-03	5.18E-04	1.01E-02	7.81E-04	4.54E-09	5.98E-05	1.41E-05	8.55E-04	9.94E-04	4.20E-03	4.49E-03	5.18E-04	1.02E-02
1481	495261.06	3858501.99	0.2102	0.13955	0.696	0.16328	8.50E-04	4.16E-03	4.44E-03	5.16E-04	9.97E-03	7.73E-04	4.50E-09	5.92E-05	1.41E-05	8.46E-04	9.83E-04	4.16E-03	4.44E-03	5.16E-04	1.01E-02
1482	495311.06	3858501.99	0.20856	0.13883	0.6893	0.16265	8.43E-04	4.14E-03	4.40E-03	5.14E-04	9.89E-03	7.67E-04	4.47E-09	5.86E-05	1.40E-05	8.39E-04	9.75E-04	4.14E-03	4.40E-03	5.14E-04	1.00E-02
1483	495361.06	3858501.99	0.20691	0.13815	0.6828	0.16201	8.36E-04	4.12E-03	4.36E-03	5.12E-04	9.82E-03	7.61E-04	4.45E-09	5.81E-05	1.40E-05	8.33E-04	9.68E-04	4.12E-03	4.36E-03	5.12E-04	9.96E-03
1484	495411.06	3858501.99	0.20548	0.13768	0.6775	0.16138	8.31E-04	4.11E-03	4.32E-03	5.10E-04	9.77E-03	7.55E-04	4.44E-09	5.76E-05	1.39E-05	8.27E-04	9.61E-04	4.11E-03	4.32E-03	5.10E-04	9.90E-03
1485	495461.06	3858501.99	0.20408	0.13723	0.6724	0.16075	8.25E-04	4.09E-03	4.29E-03	5.08E-04	9.72E-03	7.50E-04	4.42E-09	5.72E-05	1.38E-05	8.21E-04	9.54E-04	4.09E-03	4.29E-03	5.08E-04	9.84E-03
1486	495511.06	3858501.99	0.20269	0.13658	0.666	0.1601	8.19E-04	4.07E-03	4.25E-03	5.05E-04	9.65E-03	7.45E-04	4.40E-09	5.66E-05	1.38E-05	8.16E-04	9.48E-04	4.07E-03	4.25E-03	5.05E-04	9.78E-03
1487	495561.06	3858501.99	0.20515	0.1366	0.6634	0.1595	8.29E-04	4.08E-03	4.23E-03	5.04E-04	9.64E-03	7.54E-04	4.40E-09	5.64E-05	1.37E-05	8.24E-04	9.59E-04	4.08E-03	4.23E-03	5.04E-04	9.77E-03
1488	495611.06	3858501.99	0.20444	0.13558	0.6598	0.1589	8.26E-04	4.04E-03	4.21E-03	5.02E-04	9.58E-03	7.52E-04	4.37E-09	5.61E-05	1.37E-05	8.21E-04	9.56E-04	4.04E-03	4.21E-03	5.02E-04	9.71E-03
1489	495661.06	3858501.99	0.20542	0.13544	0.6513	0.1582	8.30E-04	4.04E-03	4.15E-03	4.99E-04	9.52E-03	7.55E-04	4.37E-09	5.54E-05	1.36E-05	8.24E-04	9.61E-04	4.04E-03	4.15E-03	4.99E-04	9.66E-03
1490	494311.06	3858551.99	0.3197	0.17908	0.9957	0.17789	1.29E-03	5.34E-03	6.35E-03	5.62E-04	1.35E-02	1.18E-03	5.77E-09	8.47E-05	1.53E-05	1.28E-03	1.50E-03	5.34E-03	6.35E-03	5.62E-04	1.38E-02
1491	494361.06	3858551.99	0.32735	0.18019	0.9898	0.17783	1.32E-03	5.38E-03	6.31E-03	5.61E-04	1.36E-02	1.20E-03	5.81E-09	8.42E-05	1.53E-05	1.30E-03	1.53E-03	5.38E-03	6.31E-03	5.61E-04	1.38E-02
1492	494411.06	3858551.99	0.32798	0.18147	0.9837	0.17802	1.33E-03	5.41E-03	6.27E-03	5.62E-04	1.36E-02	1.21E-03	5.85E-09	8.37E-05	1.53E-05	1.30E-03	1.53E-03	5.41E-03	6.27E-03	5.62E-04	1.38E-02
1493	494461.06	3858551.99	0.32572	0.18131	0.9777	0.17818	1.32E-03	5.41E-03	6.24E-03	5.63E-04	1.35E-02	1.20E-03	5.84E-09	8.31E-05	1.53E-05	1.30E-03	1.52E-03	5.41E-03	6.24E-03	5.63E-04	1.37E-02
1494	494511.06	3858551.99	0.32116	0.17916	0.9717	0.17847	1.30E-03	5.34E-03	6.20E-03	5.63E-04	1.34E-02	1.18E-03	5.77E-09	8.26E-05	1.54E-05	1.28E-03	1.50E-03	5.34E-03	6.20E-03	5.63E-04	1.36E-02
1495	494561.06	3858551.99	0.3171	0.17732	0.9657	0.1787	1.28E-03	5.29E-03	6.16E-03	5.64E-04	1.33E-02	1.17E-03	5.72E-09	8.21E-05	1.54E-05	1.26E-03	1.48E-03	5.29E-03	6.16E-03	5.64E-04	1.35E-02
1496	494611.06	3858551.99	0.31163	0.17516	0.9597	0.17902	1.26E-03	5.23E-03	6.12E-03	5.65E-04	1.32E-02	1.15E-03	5.65E-09	8.16E-05	1.54E-05	1.24E-03	1.46E-03	5.23E-03	6.12E-03	5.65E-04	1.34E-02
1497	494661.06	3858551.99	0.30646	0.17414	0.9538	0.1793	1.24E-03	5.20E-03	6.08E-03	5.66E-04	1.31E-02	1.13E-03	5.61E-09	8.11E-05	1.54E-05	1.22E-03	1.43E-03	5.20E-03	6.08E-03	5.66E-04	1.33E-02
1498	494711.06	3858551.99	0.30235	0.17103	0.9476	0.17913	1.22E-03	5.10E-03	6.04E-03	5.66E-04	1.29E-02	1.11E-03	5.51E-09	8.06E-05	1.54E-05	1.21E-03	1.41E-03	5.10E-03	6.04E-03	5.66E-04	1.31E-02
1499	494761.06	3858551.99	0.29385	0.16827	0.9416	0.1754	1.19E-03	5.02E-03	6.01E-03	5.54E-04	1.28E-02	1.08E-03	5.42E-09	8.01E-05	1.51E-05	1.18E-03	1.37E-03	5.02E-03	6.01E-03	5.54E-04	1.30E-02
1500	494811.06	3858551.99	0.28869	0.16659	0.8455	0.1735	1.17E-03	4.97E-03	5.39E-03	5.48E-04	1.21E-02	1.06E-03	5.37E-09	7.19E-05	1.49E-05	1.15E-03	1.35E-03	4.97E-03	5.39E-03	5.48E-04	1.23E-02
1501	494861.06	3858551.99	0.2821	0.16512	0.831	0.17251	1.14E-03	4.93E-03	5.30E-03	5.45E-04	1.19E-02	1.04E-03	5.32E-09	7.07E-05	1.49E-05	1.12E-03	1.32E-03	4.93E-03	5.30E-03	5.45E-04	1.21E-02
1502	494911.06	3858551.99	0.27369	0.1634	0.8136	0.17145	1.11E-03	4.87E-03	5.19E-03	5.41E-04	1.17E-02	1.01E-03	5.27E-09	6.92E-05	1.48E-05	1.09E-03	1.28E-03	4.87E-03	5.19E-03	5.41E-04	1.19E-02
1503	494961.06	3858551.99	0.26797	0.15781	0.8004	0.17042	1.08E-03	4.71E-03	5.11E-03	5.38E-04	1.14E-02	9.85E-04	5.09E-09	6.81E-05	1.47E-05	1.07E-03	1.25E-03	4.71E-03	5.11E-03	5.38E-04	1.16E-02
1504	495011.06	3858551.99	0.25861	0.15456	0.7821	0.16776	1.05E-03	4.61E-03	4.99E-03	5.30E-04	1.12E-02	9.51E-04	4.98E-09	6.65E-05	1.44E-05	1.03E-03	1.21E-03	4.61E-03	4.99E-03	5.30E-04	1.13E-02
1505	495061.06	3858551.99	0.25178	0.15267	0.7725	0.16712	1.02E-03	4.55E-03	4.93E-03	5.28E-04	1.10E-02	9.26E-04	4.92E-09	6.57E-05	1.44E-05	1.01E-03	1.18E-03	4.55E-03	4.93E-03	5.28E-04	1.12E-02
1506	495111.06	3858551.99	0.23939	0.14875	0.7495	0.16637	9.68E-04	4.44E-03	4.78E-03	5.25E-04	1.07E-02	8.80E-04	4.79E-09	6.37E-05	1.43E-05	9.58E-04	1.12E-03	4.44E-03	4.78E-03	5.25E-04	1.09E-02
1507	495161.06	3858551.99	0.23091	0.14647	0.736	0.16568	9.33E-04	4.37E-03	4.69E-03	5.23E-04	1.05E-02	8.49E-04	4.72E-09	6.26E-05	1.43E-05	9.26E-04	1.08E-03	4.37E-03	4.69E-03	5.23E-04	1.07E-02
1508	495211.06	3858551.99	0.22338	0.14445	0.7224	0.165	9.03E-04	4.31E-03	4.61E-03	5.21E-04	1.03E-02	8.21E-04	4.66E-09	6.14E-05	1.42E-05	8.97E-04	1.04E-03	4.31E-03	4.61E-03	5.21E-04	1.05E-02
1509	495261.06	3858551.99	0.22033	0.14298	0.703	0.16435	8.91E-04	4.27E-03	4.48E-03	5.19E-04	1.02E-02	8.10E-04	4.61E-09	5.98E-05	1.42E-05	8.84E-04	1.03E-03	4.27E-03	4.48E-03	5.19E-04	1.03E-02
1510	495311.06	3858551.99	0.22049	0.14241	0.6937	0.16327	8.91E-04	4.25E-03	4.42E-03	5.16E-04	1.01E-02	8.11E-04	4.59E-09	5.90E-05	1.41E-05	8.84E-04	1.03E-03	4.25E-03	4.42E-03	5.16E-04	1.02E-02
1511	495361.06	3858551.99	0.21863	0.14182	0.6887	0.16213	8.84E-04	4.23E-03	4.39E-03	5.12E-04	1.00E-02	8.04E-04	4.57E-09	5.86E-05	1.40E-05	8.76E-04	1.02E-03	4.23E-03	4.39E-03	5.12E-04	1.02E-02
1512	495411.06	3858551.99	0.21912	0.14162	0.6852	0.16098	8.86E-04	4.22E-03	4.37E-03	5.08E-04	9.99E-03	8.06E-04	4.56E-09	5.83E-05	1.39E-05	8.78E-04	1.02E-03	4.23E-03	4.37E-03	5.08E-04	1.01E-02
1513	495461.06	3858551.99	0.21801	0.14116	0.6807	0.15982	8.81E-04	4.21E-03	4.34E-03	5.05E-04	9.94E-03	8.02E-04	4.55E-09	5.79E-05	1.38E-05	8.73E-04	1.02E-03	4.21E-03	4.34E-03	5.05E-04	1.01E-02
1514	495511.06	3858551.99	0.21877	0.141	0.6772	0.15867	8.84E-04	4.21E-03	4.32E-03	5.01E-04	9.91E-03	8.04E-04	4.54E-09	5.76E-05	1.37E-05	8.76E-04	1.02E-03	4.21E-03	4.32E-03	5.01E-04	1.01E-02
1515	495561.06	3858551.99	0.21759	0.14053	0.6727	0.15751	8.80E-04	4.19E-03	4.29E-03	4.97E-04	9.86E-03	8.00E-04	4.53E-09	5.72E-05	1.36E-05	8.71E-04	1.02E-03	4.19E-03	4.29E-03	4.97E-04	1.00E-02
1516	495611.06	3858551.99	0.21538	0.13989	0.6676	0.15638	8.71E-04	4.17E-03	4.26E-03	4.94E-04	9.80E-03	7.92E-04	4.51E-09	5.68E-05	1.35E-05	8.62E-04	1.01E-03	4.17E-03	4.26E-03	4.94E-04	9.93E-03
1517	495661.06	3858551.99	0.21257	0.13914	0.6622	0.15526	8.59E-04	4.15E-03	4.22E-03	4.90E-04	9.72E-03	7.82E-04	4.48E-09	5.63E-05	1.34E-05	8.51E-04	9.94E-04	4.15E-03	4.22E-03	4.90E-04	9.86E-03
1518	494311.06	3858601.99	0.28067	0.17263	0.8628	0.17797	1.13E-03	5.15E-03	5.50E-03	5.62E-04	1.23E-02	1.03E-03	5.56E-09	7.34E-05	1.53E-05	1.12E-03	1.31E-03	5.15E-03	5.50E-03	5.62E-04	1.25E-02
1519	494361.06	3858601.99	0.32477	0.18144	0.9881	0.18133	1.31E-03	5.41E-03	6.30E-03	5.73E-04	1.36E-02	1.19E-03	5.85E-09	8.40E-05	1.56E-05	1.29E-03	1.52E-03	5.41E-03	6.30E-03	5.73E-04	1.38E-02
1520	494411.06	3858601.99	0.35178	0.18883	1.0484	0.18071	1.42E-03	5.63E-03	6.69E-03	5.71E-04	1.43E-02	1.29E-03	6.09E-09	8.92E-05	1.56E-05	1.40E-03	1.65E-03	5.63E-03	6.69E-03	5.71E-04	1.45E-02
1521	494461.06	3858601.99	0.34943	0.18753	1.0506	0.18086	1.41E-03	5.59E-03	6.70E-03	5.71E-04	1.43E-02	1.28E-03	6.04E-09	8.93E-05	1.56E-05	1.39E-03	1.63E-03	5.59E-03	6.70E-03	5.71E-04	1.45E-02

1522	494511.06	3858601.99	0.34255	0.18481	1.0427	0.18109	1.38E-03	5.51E-03	6.65E-03	5.72E-04	1.41E-02	1.26E-03	5.96E-09	8.87E-05	1.56E-05	1.36E-03	1.60E-03	5.51E-03	6.65E-03	5.72E-04	1.43E-02
1523	494561.06	3858601.99	0.34206	0.18578	1.0365	0.18127	1.38E-03	5.54E-03	6.61E-03	5.72E-04	1.41E-02	1.26E-03	5.99E-09	8.82E-05	1.56E-05	1.36E-03	1.60E-03	5.54E-03	6.61E-03	5.72E-04	1.43E-02
1524	494611.06	3858601.99	0.33487	0.18409	1.0063	0.18165	1.35E-03	5.49E-03	6.42E-03	5.74E-04	1.38E-02	1.23E-03	5.93E-09	8.56E-05	1.56E-05	1.33E-03	1.57E-03	5.49E-03	6.42E-03	5.74E-04	1.41E-02
1525	494661.06	3858601.99	0.32939	0.18293	0.9874	0.18193	1.33E-03	5.46E-03	6.30E-03	5.74E-04	1.37E-02	1.21E-03	5.90E-09	8.40E-05	1.57E-05	1.31E-03	1.54E-03	5.46E-03	6.30E-03	5.74E-04	1.39E-02
1526	494711.06	3858601.99	0.32137	0.18077	0.9518	0.18234	1.30E-03	5.39E-03	6.07E-03	5.76E-04	1.33E-02	1.18E-03	5.83E-09	8.09E-05	1.57E-05	1.28E-03	1.50E-03	5.39E-03	6.07E-03	5.76E-04	1.35E-02
1527	494761.06	3858601.99	0.3134	0.1784	0.9442	0.18274	1.27E-03	5.32E-03	6.02E-03	5.77E-04	1.32E-02	1.15E-03	5.75E-09	8.03E-05	1.57E-05	1.25E-03	1.47E-03	5.32E-03	6.02E-03	5.77E-04	1.34E-02
1528	494811.06	3858601.99	0.30205	0.17388	0.889	0.18065	1.22E-03	5.19E-03	5.67E-03	5.70E-04	1.26E-02	1.11E-03	5.60E-09	7.56E-05	1.56E-05	1.20E-03	1.41E-03	5.19E-03	5.67E-03	5.70E-04	1.28E-02
1529	494861.06	3858601.99	0.29528	0.17252	0.8855	0.17341	1.19E-03	5.15E-03	5.65E-03	5.48E-04	1.25E-02	1.09E-03	5.56E-09	7.53E-05	1.49E-05	1.18E-03	1.38E-03	5.15E-03	5.65E-03	5.48E-04	1.27E-02
1530	494911.06	3858601.99	0.2865	0.1702	0.8134	0.17088	1.16E-03	5.08E-03	5.19E-03	5.40E-04	1.20E-02	1.05E-03	5.49E-09	6.92E-05	1.47E-05	1.14E-03	1.34E-03	5.08E-03	5.19E-03	5.40E-04	1.21E-02
1531	494961.06	3858601.99	0.27659	0.16776	0.8027	0.16921	1.12E-03	5.00E-03	5.12E-03	5.34E-04	1.18E-02	1.02E-03	5.41E-09	6.83E-05	1.46E-05	1.10E-03	1.29E-03	5.00E-03	5.12E-03	5.34E-04	1.20E-02
1532	495011.06	3858601.99	0.26844	0.16507	0.7914	0.16856	1.09E-03	4.92E-03	5.05E-03	5.32E-04	1.16E-02	9.87E-04	5.32E-09	6.73E-05	1.45E-05	1.07E-03	1.26E-03	4.92E-03	5.05E-03	5.32E-04	1.18E-02
1533	495061.06	3858601.99	0.26093	0.15981	0.7797	0.16687	1.05E-03	4.77E-03	4.97E-03	5.27E-04	1.13E-02	9.59E-04	5.15E-09	6.63E-05	1.44E-05	1.04E-03	1.22E-03	4.77E-03	4.97E-03	5.27E-04	1.15E-02
1534	495111.06	3858601.99	0.24879	0.15548	0.7631	0.163	1.01E-03	4.64E-03	4.87E-03	5.15E-04	1.10E-02	9.15E-04	5.01E-09	6.49E-05	1.40E-05	9.94E-04	1.16E-03	4.64E-03	4.87E-03	5.15E-04	1.12E-02
1535	495161.06	3858601.99	0.24435	0.15327	0.7258	0.16169	9.88E-04	4.57E-03	4.63E-03	5.11E-04	1.07E-02	8.98E-04	4.94E-09	6.17E-05	1.39E-05	9.74E-04	1.14E-03	4.57E-03	4.63E-03	5.11E-04	1.09E-02
1536	495211.06	3858601.99	0.24122	0.15192	0.7211	0.16062	9.75E-04	4.53E-03	4.60E-03	5.07E-04	1.06E-02	8.87E-04	4.90E-09	6.13E-05	1.38E-05	9.62E-04	1.13E-03	4.53E-03	4.60E-03	5.07E-04	1.08E-02
1537	495261.06	3858601.99	0.23583	0.15025	0.7148	0.15957	9.53E-04	4.48E-03	4.56E-03	5.04E-04	1.05E-02	8.67E-04	4.84E-09	6.08E-05	1.37E-05	9.42E-04	1.10E-03	4.48E-03	4.56E-03	5.04E-04	1.06E-02
1538	495311.06	3858601.99	0.23369	0.14911	0.7114	0.15846	9.45E-04	4.45E-03	4.54E-03	5.00E-04	1.04E-02	8.59E-04	4.81E-09	6.05E-05	1.36E-05	9.33E-04	1.09E-03	4.45E-03	4.54E-03	5.00E-04	1.06E-02
1539	495361.06	3858601.99	0.23127	0.14853	0.7115	0.15733	9.35E-04	4.43E-03	4.54E-03	4.97E-04	1.04E-02	8.50E-04	4.79E-09	6.05E-05	1.35E-05	9.24E-04	1.08E-03	4.43E-03	4.54E-03	4.97E-04	1.05E-02
1540	495411.06	3858601.99	0.23003	0.14795	0.7114	0.1562	9.30E-04	4.41E-03	4.54E-03	4.93E-04	1.04E-02	8.46E-04	4.77E-09	6.05E-05	1.35E-05	9.20E-04	1.08E-03	4.41E-03	4.54E-03	4.93E-04	1.05E-02
1541	495461.06	3858601.99	0.22929	0.14767	0.7122	0.15506	9.27E-04	4.41E-03	4.54E-03	4.90E-04	1.04E-02	8.43E-04	4.76E-09	6.06E-05	1.34E-05	9.17E-04	1.07E-03	4.41E-03	4.54E-03	4.90E-04	1.05E-02
1542	495511.06	3858601.99	0.22523	0.14671	0.7081	0.15397	9.10E-04	4.38E-03	4.52E-03	4.86E-04	1.03E-02	8.28E-04	4.73E-09	6.02E-05	1.33E-05	9.02E-04	1.05E-03	4.38E-03	4.52E-03	4.86E-04	1.04E-02
1543	495561.06	3858601.99	0.22573	0.1464	0.7075	0.15282	9.12E-04	4.37E-03	4.51E-03	4.83E-04	1.03E-02	8.30E-04	4.72E-09	6.02E-05	1.32E-05	9.03E-04	1.06E-03	4.37E-03	4.51E-03	4.83E-04	1.04E-02
1544	495611.06	3858601.99	0.2208	0.14482	0.7	0.15175	8.93E-04	4.32E-03	4.46E-03	4.79E-04	1.02E-02	8.12E-04	4.67E-09	5.95E-05	1.31E-05	8.84E-04	1.03E-03	4.32E-03	4.46E-03	4.79E-04	1.03E-02
1545	495661.06	3858601.99	0.22192	0.14434	0.696	0.15061	8.97E-04	4.31E-03	4.44E-03	4.76E-04	1.01E-02	8.16E-04	4.65E-09	5.92E-05	1.30E-05	8.88E-04	1.04E-03	4.31E-03	4.44E-03	4.76E-04	1.03E-02
1546	494311.06	3858651.99	0.27138	0.17605	0.8491	0.17574	1.10E-03	5.25E-03	5.42E-03	5.55E-04	1.23E-02	9.98E-04	5.67E-09	7.22E-05	1.51E-05	1.09E-03	1.27E-03	5.25E-03	5.42E-03	5.55E-04	1.25E-02
1547	494361.06	3858651.99	0.31706	0.18479	1.0016	0.18484	1.28E-03	5.51E-03	6.39E-03	5.84E-04	1.38E-02	1.17E-03	5.96E-09	8.52E-05	1.59E-05	1.27E-03	1.48E-03	5.51E-03	6.39E-03	5.84E-04	1.40E-02
1548	494411.06	3858651.99	0.36878	0.19452	1.2763	0.18948	1.49E-03	5.80E-03	8.14E-03	5.98E-04	1.60E-02	1.36E-03	6.27E-09	1.09E-04	1.63E-05	1.48E-03	1.72E-03	5.80E-03	8.14E-03	5.98E-04	1.63E-02
1549	494461.06	3858651.99	0.37107	0.1965	1.1854	0.18569	1.50E-03	5.86E-03	7.56E-03	5.86E-04	1.55E-02	1.36E-03	6.33E-09	1.01E-04	1.60E-05	1.48E-03	1.74E-03	5.86E-03	7.56E-03	5.86E-04	1.57E-02
1550	494511.06	3858651.99	0.36663	0.1954	1.1489	0.18376	1.48E-03	5.83E-03	7.33E-03	5.80E-04	1.52E-02	1.35E-03	6.30E-09	9.77E-05	1.58E-05	1.46E-03	1.71E-03	5.83E-03	7.33E-03	5.80E-04	1.55E-02
1551	494561.06	3858651.99	0.36355	0.19483	1.1327	0.18391	1.47E-03	5.81E-03	7.22E-03	5.81E-04	1.51E-02	1.34E-03	6.28E-09	9.63E-05	1.58E-05	1.45E-03	1.70E-03	5.81E-03	7.22E-03	5.81E-04	1.53E-02
1552	494611.06	3858651.99	0.35904	0.19375	1.0981	0.18412	1.45E-03	5.78E-03	7.00E-03	5.81E-04	1.48E-02	1.32E-03	6.24E-09	9.34E-05	1.59E-05	1.43E-03	1.68E-03	5.78E-03	7.00E-03	5.81E-04	1.50E-02
1553	494661.06	3858651.99	0.3523	0.19152	1.0593	0.18444	1.42E-03	5.71E-03	6.76E-03	5.82E-04	1.45E-02	1.30E-03	6.17E-09	9.01E-05	1.59E-05	1.40E-03	1.65E-03	5.71E-03	6.76E-03	5.82E-04	1.47E-02
1554	494711.06	3858651.99	0.34326	0.18826	1.0047	0.18487	1.39E-03	5.62E-03	6.41E-03	5.84E-04	1.40E-02	1.26E-03	6.07E-09	8.55E-05	1.59E-05	1.36E-03	1.61E-03	5.62E-03	6.41E-03	5.84E-04	1.42E-02
1555	494761.06	3858651.99	0.33594	0.18585	0.9928	0.1852	1.36E-03	5.54E-03	6.33E-03	5.85E-04	1.38E-02	1.24E-03	5.99E-09	8.44E-05	1.59E-05	1.34E-03	1.57E-03	5.54E-03	6.33E-03	5.85E-04	1.40E-02
1556	494811.06	3858651.99	0.32559	0.18207	0.945	0.1842	1.32E-03	5.43E-03	6.03E-03	5.82E-04	1.34E-02	1.20E-03	5.87E-09	8.04E-05	1.59E-05	1.29E-03	1.52E-03	5.43E-03	6.03E-03	5.82E-04	1.36E-02
1557	494861.06	3858651.99	0.31601	0.17963	0.9315	0.18064	1.28E-03	5.36E-03	5.94E-03	5.70E-04	1.31E-02	1.16E-03	5.79E-09	7.92E-05	1.56E-05	1.26E-03	1.48E-03	5.36E-03	5.94E-03	5.70E-04	1.33E-02
1558	494911.06	3858651.99	0.30555	0.17595	0.8533	0.17676	1.24E-03	5.25E-03	5.44E-03	5.58E-04	1.25E-02	1.12E-03	5.67E-09	7.26E-05	1.52E-05	1.21E-03	1.43E-03	5.25E-03	5.44E-03	5.58E-04	1.27E-02
1559	494961.06	3858651.99	0.2958	0.1727	0.82	0.17078	1.20E-03	5.15E-03	5.23E-03	5.39E-04	1.21E-02	1.09E-03	5.57E-09	6.97E-05	1.47E-05	1.17E-03	1.38E-03	5.15E-03	5.23E-03	5.39E-04	1.23E-02
1560	495011.06	3858651.99	0.28802	0.17012	0.7905	0.17048	1.16E-03	5.08E-03	5.04E-03	5.38E-04	1.18E-02	1.06E-03	5.48E-09	6.72E-05	1.47E-05	1.14E-03	1.35E-03	5.08E-03	5.04E-03	5.38E-04	1.20E-02
1561	495061.06	3858651.99	0.27934	0.16714	0.7801	0.16844	1.13E-03	4.99E-03	4.98E-03	5.32E-04	1.16E-02	1.03E-03	5.39E-09	6.63E-05	1.45E-05	1.11E-03	1.31E-03	4.99E-03	4.98E-03	5.32E-04	1.18E-02
1562	495111.06	3858651.99	0.26946	0.16361	0.7678	0.16389	1.09E-03	4.88E-03	4.90E-03	5.17E-04	1.14E-02	9.91E-04	5.27E-09	6.53E-05	1.41E-05	1.07E-03	1.26E-03	4.88E-03	4.90E-03	5.17E-04	1.16E-02
1563	495161.06	3858651.99	0.26269	0.16097	0.7594	0.16151	1.06E-03	4.80E-03	4.84E-03	5.10E-04	1.12E-02	9.66E-04	5.19E-09	6.46E-05	1.39E-05	1.04E-03	1.23E-03	4.80E-03	4.84E-03	5.10E-04	1.14E-02
1564	495211.06	3858651.99	0.25495	0.15853	0.7495	0.15881	1.03E-03	4.73E-03	4.78E-03	5.01E-04	1.10E-02	9.37E-04	5.11E-09	6.37E-05	1.37E-05	1.01E-03	1.19E-03	4.73E-03	4.78E-03	5.01E-04	1.12E-02
1565	495261.06	3858651.99	0.25148	0.15809	0.7455	0.15763	1.02E-03	4.72E-03	4.76E-03	4.98E-04	1.10E-02	9.25E-04	5.10E-09	6.34E-05	1.36E-05	1.00E-03	1.18E-03	4.72E-03	4.76E-03	4.98E-04	1.11E-02
1566	495311.06	3858651.99	0.24876	0.15703	0.7396	0.15597	1.01E-03	4.68E-03	4.72E-03	4.92E-04	1.09E-02	9.15E-04	5.06E-09	6.29E-05	1.34E-05	9.91E-04	1.16E-03	4.68E-03	4.72E-03	4.92E-04	1.11E-02
1567	495361.06	3858651.99	0.2501	0.15638	0.7354	0.15532	1.01E-03	4.67E-03	4.69E-03	4.90E-04	1.09E-02	9.19E-04	5.04E-09	6.25E-05	1.34E-05	9.95E-04	1.17E-03	4.67E-03	4.69E-03	4.90E-04	1.10E-02
1568	495411.06	3858651.99	0.24936	0.15604	0.7321	0.15559	1.01E-03	4.66E-03	4.67E-03	4.91E-04	1.08E-02	9.17E-04	5.03E-09	6.23E-05	1.34E-05	9.92E-04	1.17E-03	4.66E-03	4.67E-03	4.91E-04	1.10E-02
1569	495461.06	3858651.99	0.24713	0.15608	0.7298	0.15607	9.99E-04	4.66E-03	4.65E-03	4.93E-04	1.08E-02	9.09E-04	5.03E-09	6.21E-05	1.34E-05	9.84E-04	1.16E-03	4.66E-03	4.65E-03	4.93E-04	1.10E-02
1570	495511.06	3858651.99	0.24101	0.15457	0.7231	0.1556	9.74E-04	4.61E-03	4.61E-03	4.91E-04	1.07E-02	8.86E-04	4.98E-09	6.15E-05	1.34E-05	9.61E-04	1.13E-03	4.61E-03	4.61E-03	4.91E-04	1.08E-02
1571	495561.06	3858651.99	0.23606	0.15352	0.6976	0.1554	9.54E-04	4.58E-03	4.45E-03	4.91E-04	1.05E-02	8.68E-04	4.95E-09	5.93E-05	1.34E-05	9.41E-04	1.10E-03	4.58E-03	4.45E-03	4.91E-04	1.06E-02
1572	495611.06	3858651.99	0.23221	0.15198	0.6915	0.15471	9.39E-04	4.53E-03	4.41E-03	4.88E-04	1.04E-02	8.54E-04	4.90E-09	5.88E-05	1.33E-05	9.26E-04	1.09E-03	4.53E-03	4.41E-03	4.88E-04	1.05E-02
1573	495661.06	3858651.99	0.2325	0.15153	0.693	0.15487	9.40E-04	4.52E-03	4.42E-03	4.89E-04	1.04E-02	8.55E-04	4.88E-09	5.89E-05	1.33E-05	9.27E-04	1.09E-03	4.52E-03	4.42E-03	4.89E-04	1.05E-02
1574	494311.06	3858701.99	0.28665	0.18423	0.9423	0.18599	1.16E-03	5.50E-03	6.01E-03	5.87E-04	1.33E-02	1.05E-03	5.94E-09	8.01E-05	1.60E-05	1.15E-03	1.34E-03	5.50E-03	6.01E-03	5.87E-04	1.34E-02
1575	494361.06	3858701.99	0.34239	0.19739	1.2024	0.1884	1.38E-03	5.89E-03	7.67E-03	5.95E-04	1.55E-02	1.26E-03	6.36E-09	1.02E-04	1.62E-05	1.38E-03	1.60E-03	5.89E-03	7.67E-03	5.95E-04	1.58E-02
1576	494411.06	3858701.99	0.37962	0.20627	1.5423	0.20317	1.53E-03	6.15E-03	9.84E-03	6.41E-04	1.82E-02	1.40E-03	6.65E-09	1.31E-04	1.75E-05	1.54E-03	1.78E-03	6.15E-03	9.84E-03	6.41E-04	1.84E-02
1577	494461.06	3858701.99	0.38376	0.20667	1.569	0.20175	1.55E-03	6.17E-03	1.00E-02	6.37E-04	1.84E-02	1.41E-03	6.66E-09	1.33E-04	1.74E-05	1.56E-03	1.79E-03	6.17E-03	1.00E-02	6.37E-04	1.86E-02
1578	494511.06	3858701.99	0.38352	0.20714	1.4004	0.18995	1.55E-03	6.18E-03	8.93E-03	6.00E-04	1.73E-02	1.41E-03	6.68E-09	1.19E-04	1.64E-05	1.55E-03	1.79E-03	6.18E-03	8.93E-03	6.00E-04	1.75E-02
1579	494561.06	3858701.99	0.3841	0.20564	1.3681	0.18894	1.55E-03	6.13E-03	8.73E-03	5.97E-04	1.70E-02	1.41E-03	6.63E-09	1.16E-04	1.63E-05	1.54E-03	1.80E-03	6.13E-03	8.73E-03	5.97E-04	1.73E-02
1580	494611.06	3858701.99	0.37221	0.2014	1.2361	0.18694	1.50E-03	6.01E-03	7.88E-03	5.90E-04	1.60E-02	1.37E-03	6.49E-09	1.05E-04	1.61E-05	1.49E-03	1.74E-03	6.01E-03	7.88E-03	5.90E-04	1.62E-02
1581	494661.06	3858701.99	0.37231	0.20156	1.2468	0.18694	1.50E-03	6.01E-03	7.95E-03	5.90E-04	1.61E-02	1.37E-03	6.50E-09	1.06E-04	1.61E-05	1.49E-03	1.74E-03	6.01E-03	7.95E-03	5.90E-04	1.63E-02
1582	494711.06	3858701.99	0.34667	0.19227	0.9832	0.1878	1.40E-03	5.74E-03	6.27E-03	5.93E-04	1.40E-02	1.27E-03	6.20E-09	8.36E-05	1.62E-05	1.37E-03	1.62E-03	5.74E-03	6.27E-03	5.93E-04	1.42E-02

1583	494761.06	3858701.99	0.35382	0.19443	1.0449	0.18776	1.43E-03	5.80E-03	6.66E-03	5.93E-04	1.45E-02	1.30E-03	6.27E-09	8.89E-05	1.62E-05	1.41E-03	1.65E-03	5.80E-03	6.66E-03	5.93E-04	1.47E-02
1584	494811.06	3858701.99	0.35081	0.19066	0.9582	0.18468	1.42E-03	5.69E-03	6.11E-03	5.83E-04	1.38E-02	1.29E-03	6.15E-09	8.15E-05	1.59E-05	1.39E-03	1.64E-03	5.69E-03	6.11E-03	5.83E-04	1.40E-02
1585	494861.06	3858701.99	0.33488	0.18757	0.9565	0.18123	1.35E-03	5.60E-03	6.10E-03	5.72E-04	1.36E-02	1.23E-03	6.05E-09	8.14E-05	1.56E-05	1.33E-03	1.57E-03	5.60E-03	6.10E-03	5.72E-04	1.38E-02
1586	494911.06	3858701.99	0.3273	0.18494	0.9265	0.17817	1.32E-03	5.52E-03	5.91E-03	5.63E-04	1.33E-02	1.20E-03	5.96E-09	7.88E-05	1.53E-05	1.30E-03	1.53E-03	5.52E-03	5.91E-03	5.63E-04	1.35E-02
1587	494961.06	3858701.99	0.31337	0.17956	0.8339	0.17275	1.27E-03	5.36E-03	5.32E-03	5.45E-04	1.25E-02	1.15E-03	5.79E-09	7.09E-05	1.49E-05	1.24E-03	1.47E-03	5.36E-03	5.32E-03	5.45E-04	1.27E-02
1588	495011.06	3858701.99	0.30404	0.17601	0.7975	0.16918	1.23E-03	5.25E-03	5.09E-03	5.34E-04	1.21E-02	1.12E-03	5.67E-09	6.78E-05	1.46E-05	1.20E-03	1.42E-03	5.25E-03	5.09E-03	5.34E-04	1.23E-02
1589	495061.06	3858701.99	0.29918	0.17468	0.7885	0.16806	1.21E-03	5.21E-03	5.03E-03	5.31E-04	1.20E-02	1.10E-03	5.63E-09	6.71E-05	1.45E-05	1.18E-03	1.40E-03	5.21E-03	5.03E-03	5.31E-04	1.22E-02
1590	495111.06	3858701.99	0.28847	0.17075	0.7633	0.16678	1.17E-03	5.09E-03	4.87E-03	5.27E-04	1.17E-02	1.06E-03	5.50E-09	6.49E-05	1.44E-05	1.14E-03	1.35E-03	5.09E-03	4.87E-03	5.27E-04	1.18E-02
1591	495161.06	3858701.99	0.28222	0.16901	0.7567	0.16623	1.14E-03	5.04E-03	4.83E-03	5.25E-04	1.15E-02	1.04E-03	5.45E-09	6.44E-05	1.43E-05	1.12E-03	1.32E-03	5.04E-03	4.83E-03	5.25E-04	1.17E-02
1592	495211.06	3858701.99	0.27194	0.16674	0.75	0.16578	1.10E-03	4.97E-03	4.78E-03	5.23E-04	1.14E-02	1.00E-03	5.37E-09	6.38E-05	1.43E-05	1.08E-03	1.27E-03	4.97E-03	4.78E-03	5.23E-04	1.16E-02
1593	495261.06	3858701.99	0.27163	0.16634	0.7483	0.16499	1.10E-03	4.96E-03	4.77E-03	5.21E-04	1.14E-02	9.99E-04	5.36E-09	6.36E-05	1.42E-05	1.08E-03	1.27E-03	4.96E-03	4.77E-03	5.21E-04	1.15E-02
1594	495311.06	3858701.99	0.2686	0.16598	0.7482	0.16419	1.09E-03	4.95E-03	4.77E-03	5.18E-04	1.13E-02	9.88E-04	5.35E-09	6.36E-05	1.41E-05	1.07E-03	1.26E-03	4.95E-03	4.77E-03	5.18E-04	1.15E-02
1595	495361.06	3858701.99	0.26442	0.16512	0.7413	0.16344	1.07E-03	4.93E-03	4.73E-03	5.16E-04	1.12E-02	9.72E-04	5.32E-09	6.30E-05	1.41E-05	1.05E-03	1.24E-03	4.93E-03	4.73E-03	5.16E-04	1.14E-02
1596	495411.06	3858701.99	0.26214	0.1651	0.7336	0.16256	1.06E-03	4.93E-03	4.68E-03	5.13E-04	1.12E-02	9.64E-04	5.32E-09	6.24E-05	1.40E-05	1.04E-03	1.23E-03	4.93E-03	4.68E-03	5.13E-04	1.13E-02
1597	495461.06	3858701.99	0.26347	0.16383	0.7291	0.16175	1.06E-03	4.89E-03	4.65E-03	5.11E-04	1.11E-02	9.69E-04	5.28E-09	6.20E-05	1.39E-05	1.04E-03	1.23E-03	4.89E-03	4.65E-03	5.11E-04	1.13E-02
1598	495511.06	3858701.99	0.2633	0.16197	0.7244	0.16147	1.06E-03	4.83E-03	4.62E-03	5.10E-04	1.10E-02	9.68E-04	5.22E-09	6.16E-05	1.39E-05	1.04E-03	1.23E-03	4.83E-03	4.62E-03	5.10E-04	1.12E-02
1599	495561.06	3858701.99	0.25851	0.15994	0.7188	0.16057	1.04E-03	4.77E-03	4.59E-03	5.07E-04	1.09E-02	9.50E-04	5.15E-09	6.11E-05	1.38E-05	1.03E-03	1.21E-03	4.77E-03	4.59E-03	5.07E-04	1.11E-02
1600	495611.06	3858701.99	0.25228	0.15852	0.7131	0.15999	1.02E-03	4.73E-03	4.55E-03	5.05E-04	1.08E-02	9.28E-04	5.11E-09	6.06E-05	1.38E-05	1.00E-03	1.18E-03	4.73E-03	4.55E-03	5.05E-04	1.10E-02
1601	495661.06	3858701.99	0.24769	0.15769	0.709	0.15978	1.00E-03	4.70E-03	4.52E-03	5.04E-04	1.07E-02	9.11E-04	5.08E-09	6.03E-05	1.38E-05	9.85E-04	1.16E-03	4.70E-03	4.52E-03	5.04E-04	1.09E-02
1602	494311.06	3858751.99	0.30217	0.19397	1.0406	0.18713	1.22E-03	5.79E-03	6.64E-03	5.91E-04	1.42E-02	1.11E-03	6.25E-09	8.85E-05	1.61E-05	1.22E-03	1.41E-03	5.79E-03	6.64E-03	5.91E-04	1.44E-02
1603	494361.06	3858751.99	0.38013	0.21201	1.4967	0.20449	1.54E-03	6.32E-03	9.55E-03	6.46E-04	1.81E-02	1.40E-03	6.83E-09	1.27E-04	1.76E-05	1.54E-03	1.78E-03	6.32E-03	9.55E-03	6.46E-04	1.83E-02
1604	494411.06	3858751.99	0.40695	0.21919	1.7942	0.20464	1.64E-03	6.54E-03	1.14E-02	6.46E-04	2.03E-02	1.50E-03	7.06E-09	1.53E-04	1.76E-05	1.67E-03	1.90E-03	6.54E-03	1.14E-02	6.46E-04	2.05E-02
1605	494461.06	3858751.99	0.41056	0.2194	1.8266	0.20317	1.66E-03	6.55E-03	1.17E-02	6.41E-04	2.05E-02	1.51E-03	7.07E-09	1.55E-04	1.75E-05	1.68E-03	1.92E-03	6.55E-03	1.17E-02	6.41E-04	2.08E-02
1606	494511.06	3858751.99	0.41148	0.22006	1.6508	0.20098	1.66E-03	6.57E-03	1.05E-02	6.35E-04	1.94E-02	1.51E-03	7.09E-09	1.40E-04	1.73E-05	1.67E-03	1.92E-03	6.57E-03	1.05E-02	6.35E-04	1.97E-02
1607	494561.06	3858751.99	0.40464	0.2165	1.6506	0.19855	1.64E-03	6.46E-03	1.05E-02	6.27E-04	1.92E-02	1.49E-03	6.98E-09	1.40E-04	1.71E-05	1.65E-03	1.89E-03	6.46E-03	1.05E-02	6.27E-04	1.95E-02
1608	494611.06	3858751.99	0.39217	0.21252	1.5157	0.19056	1.59E-03	6.34E-03	9.67E-03	6.02E-04	1.82E-02	1.44E-03	6.85E-09	1.29E-04	1.64E-05	1.59E-03	1.83E-03	6.34E-03	9.67E-03	6.02E-04	1.84E-02
1609	494661.06	3858751.99	0.39167	0.21051	1.5274	0.19061	1.58E-03	6.28E-03	9.74E-03	6.02E-04	1.82E-02	1.44E-03	6.78E-09	1.30E-04	1.64E-05	1.59E-03	1.83E-03	6.28E-03	9.74E-03	6.02E-04	1.85E-02
1610	494711.06	3858751.99	0.37081	0.20473	1.3452	0.19005	1.50E-03	6.11E-03	8.58E-03	6.00E-04	1.68E-02	1.36E-03	6.60E-09	1.14E-04	1.64E-05	1.49E-03	1.73E-03	6.11E-03	8.58E-03	6.00E-04	1.70E-02
1611	494761.06	3858751.99	0.36938	0.20343	1.2267	0.1894	1.49E-03	6.07E-03	7.82E-03	5.98E-04	1.60E-02	1.36E-03	6.56E-09	1.04E-04	1.63E-05	1.48E-03	1.73E-03	6.07E-03	7.82E-03	5.98E-04	1.62E-02
1612	494811.06	3858751.99	0.35195	0.19861	1.0971	0.18462	1.42E-03	5.93E-03	7.00E-03	5.83E-04	1.49E-02	1.29E-03	6.40E-09	9.33E-05	1.59E-05	1.40E-03	1.65E-03	5.93E-03	7.00E-03	5.83E-04	1.52E-02
1613	494861.06	3858751.99	0.34314	0.19474	1.0321	0.18038	1.39E-03	5.81E-03	6.58E-03	5.70E-04	1.43E-02	1.26E-03	6.28E-09	8.78E-05	1.55E-05	1.36E-03	1.60E-03	5.81E-03	6.58E-03	5.70E-04	1.46E-02
1614	494911.06	3858751.99	0.33197	0.1904	0.9846	0.1758	1.34E-03	5.68E-03	6.28E-03	5.55E-04	1.39E-02	1.22E-03	6.14E-09	8.37E-05	1.51E-05	1.32E-03	1.55E-03	5.68E-03	6.28E-03	5.55E-04	1.41E-02
1615	494961.06	3858751.99	0.32566	0.18743	0.9495	0.17235	1.32E-03	5.59E-03	6.06E-03	5.44E-04	1.35E-02	1.20E-03	6.04E-09	8.07E-05	1.48E-05	1.29E-03	1.52E-03	5.59E-03	6.06E-03	5.44E-04	1.37E-02
1616	495011.06	3858751.99	0.32318	0.18549	0.9245	0.17227	1.31E-03	5.53E-03	5.90E-03	5.44E-04	1.33E-02	1.19E-03	5.98E-09	7.86E-05	1.48E-05	1.28E-03	1.51E-03	5.53E-03	5.90E-03	5.44E-04	1.35E-02
1617	495061.06	3858751.99	0.3155	0.18241	0.8981	0.17234	1.28E-03	5.44E-03	5.73E-03	5.44E-04	1.30E-02	1.16E-03	5.88E-09	7.64E-05	1.48E-05	1.25E-03	1.48E-03	5.44E-03	5.73E-03	5.44E-04	1.32E-02
1618	495111.06	3858751.99	0.3046	0.17774	0.8458	0.17035	1.23E-03	5.30E-03	5.40E-03	5.38E-04	1.25E-02	1.12E-03	5.73E-09	7.19E-05	1.47E-05	1.21E-03	1.42E-03	5.30E-03	5.40E-03	5.38E-04	1.27E-02
1619	495161.06	3858751.99	0.30052	0.17518	0.8207	0.17081	1.21E-03	5.23E-03	5.23E-03	5.39E-04	1.22E-02	1.10E-03	5.65E-09	6.98E-05	1.47E-05	1.19E-03	1.41E-03	5.23E-03	5.23E-03	5.39E-04	1.24E-02
1620	495211.06	3858751.99	0.29338	0.17214	0.7892	0.17032	1.19E-03	5.14E-03	5.03E-03	5.38E-04	1.19E-02	1.08E-03	5.55E-09	6.71E-05	1.47E-05	1.16E-03	1.37E-03	5.14E-03	5.03E-03	5.38E-04	1.21E-02
1621	495261.06	3858751.99	0.29164	0.17141	0.7782	0.17062	1.18E-03	5.11E-03	4.96E-03	5.39E-04	1.18E-02	1.07E-03	5.52E-09	6.62E-05	1.47E-05	1.15E-03	1.36E-03	5.11E-03	4.96E-03	5.39E-04	1.20E-02
1622	495311.06	3858751.99	0.28878	0.17082	0.7694	0.17087	1.17E-03	5.10E-03	4.91E-03	5.39E-04	1.17E-02	1.06E-03	5.51E-09	6.54E-05	1.47E-05	1.14E-03	1.35E-03	5.10E-03	4.91E-03	5.39E-04	1.19E-02
1623	495361.06	3858751.99	0.28487	0.1699	0.756	0.17029	1.15E-03	5.07E-03	4.82E-03	5.38E-04	1.16E-02	1.05E-03	5.48E-09	6.43E-05	1.47E-05	1.13E-03	1.33E-03	5.07E-03	4.82E-03	5.38E-04	1.18E-02
1624	495411.06	3858751.99	0.28322	0.16971	0.7531	0.17132	1.14E-03	5.06E-03	4.80E-03	5.41E-04	1.16E-02	1.04E-03	5.47E-09	6.40E-05	1.48E-05	1.12E-03	1.32E-03	5.06E-03	4.80E-03	5.41E-04	1.17E-02
1625	495461.06	3858751.99	0.27969	0.16896	0.7486	0.1707	1.13E-03	5.04E-03	4.78E-03	5.39E-04	1.15E-02	1.03E-03	5.45E-09	6.37E-05	1.47E-05	1.11E-03	1.31E-03	5.04E-03	4.78E-03	5.39E-04	1.17E-02
1626	495511.06	3858751.99	0.27471	0.16806	0.7427	0.16739	1.11E-03	5.01E-03	4.74E-03	5.29E-04	1.14E-02	1.01E-03	5.42E-09	6.32E-05	1.44E-05	1.09E-03	1.28E-03	5.01E-03	4.74E-03	5.29E-04	1.16E-02
1627	495561.06	3858751.99	0.26972	0.16701	0.7338	0.16612	1.09E-03	4.98E-03	4.68E-03	5.25E-04	1.13E-02	9.92E-04	5.38E-09	6.24E-05	1.43E-05	1.07E-03	1.26E-03	4.98E-03	4.68E-03	5.25E-04	1.14E-02
1628	495611.06	3858751.99	0.2675	0.16596	0.7246	0.16505	1.08E-03	4.95E-03	4.62E-03	5.21E-04	1.12E-02	9.83E-04	5.35E-09	6.16E-05	1.42E-05	1.06E-03	1.25E-03	4.95E-03	4.62E-03	5.21E-04	1.13E-02
1629	495661.06	3858751.99	0.26776	0.16513	0.7193	0.16459	1.08E-03	4.93E-03	4.59E-03	5.20E-04	1.11E-02	9.84E-04	5.32E-09	6.12E-05	1.42E-05	1.06E-03	1.25E-03	4.93E-03	4.59E-03	5.20E-04	1.13E-02
1630	494311.06	3858801.99	0.34295	0.20808	1.2009	0.19338	1.39E-03	6.21E-03	7.66E-03	6.11E-04	1.59E-02	1.26E-03	6.71E-09	1.02E-04	1.67E-05	1.38E-03	1.60E-03	6.21E-03	7.66E-03	6.11E-04	1.61E-02
1631	494361.06	3858801.99	0.41136	0.22146	1.69	0.1987	1.66E-03	6.61E-03	1.08E-02	6.27E-04	1.97E-02	1.51E-03	7.14E-09	1.44E-04	1.71E-05	1.67E-03	1.92E-03	6.61E-03	1.08E-02	6.27E-04	1.99E-02
1632	494411.06	3858801.99	0.4295	0.22491	1.869	0.20915	1.74E-03	6.71E-03	1.19E-02	6.60E-04	2.10E-02	1.58E-03	7.25E-09	1.59E-04	1.80E-05	1.76E-03	2.01E-03	6.71E-03	1.19E-02	6.60E-04	2.13E-02
1633	494461.06	3858801.99	0.43913	0.22635	1.9088	0.20933	1.78E-03	6.75E-03	1.22E-02	6.61E-04	2.14E-02	1.61E-03	7.30E-09	1.62E-04	1.80E-05	1.79E-03	2.05E-03	6.75E-03	1.22E-02	6.61E-04	2.16E-02
1634	494511.06	3858801.99	0.44553	0.22745	1.7265	0.20686	1.80E-03	6.79E-03	1.10E-02	6.53E-04	2.03E-02	1.64E-03	7.33E-09	1.47E-04	1.78E-05	1.80E-03	2.08E-03	6.79E-03	1.10E-02	6.53E-04	2.05E-02
1635	494561.06	3858801.99	0.44461	0.22632	1.733	0.20534	1.80E-03	6.75E-03	1.11E-02	6.48E-04	2.03E-02	1.63E-03	7.29E-09	1.47E-04	1.77E-05	1.80E-03	2.08E-03	6.75E-03	1.11E-02	6.48E-04	2.05E-02
1636	494611.06	3858801.99	0.43626	0.22406	1.6939	0.2024	1.76E-03	6.68E-03	1.08E-02	6.39E-04	1.99E-02	1.60E-03	7.22E-09	1.44E-04	1.74E-05	1.77E-03	2.04E-03	6.68E-03	1.08E-02	6.39E-04	2.02E-02
1637	494661.06	3858801.99	0.41833	0.22034	1.5909	0.1928	1.69E-03	6.57E-03	1.01E-02	6.09E-04	1.90E-02	1.54E-03	7.10E-09	1.35E-04	1.66E-05	1.69E-03	1.96E-03	6.57E-03	1.01E-02	6.09E-04	1.93E-02
1638	494711.06	3858801.99	0.40318	0.21595	1.4604	0.19126	1.63E-03	6.44E-03	9.31E-03	6.04E-04	1.80E-02	1.48E-03	6.96E-09	1.24E-04	1.65E-05	1.62E-03	1.89E-03	6.44E-03	9.31E-03	6.04E-04	1.82E-02
1639	494761.06	3858801.99	0.3842	0.21073	1.3066	0.18782	1.55E-03	6.29E-03	8.33E-03	5.93E-04	1.68E-02	1.41E-03	6.79E-09	1.11E-04	1.62E-05	1.54E-03	1.80E-03	6.29E-03	8.33E-03	5.93E-04	1.70E-02
1640	494811.06	3858801.99	0.36252	0.20528	1.1893	0.18425	1.47E-03	6.12E-03	7.59E-03	5.82E-04	1.58E-02	1.33E-03	6.62E-09	1.01E-04	1.59E-05	1.45E-03	1.70E-03	6.12E-03	7.59E-03	5.82E-04	1.60E-02
1641	494861.06	3858801.99	0.35672	0.20226	1.1318	0.18061	1.44E-03	6.03E-03	7.22E-03	5.70E-04	1.53E-02	1.31E-03	6.52E-09	9.63E-05	1.56E-05	1.42E-03	1.67E-03	6.03E-03	7.22E-03	5.70E-04	1.55E-02
1642	494911.06	3858801.99	0.34472	0.19722	1.0887	0.17835	1.39E-03	5.88E-03	6.94E-03	5.63E-04	1.48E-02	1.27E-03	6.36E-09	9.26E-05	1.54E-05	1.38E-03	1.61E-03	5.88E-03	6.94E-03	5.63E-04	1.50E-02
1643	494961.06	3858801.99	0.33308	0.19344	1.0561	0.17737	1.35E-03	5.77E-03	6.74E-03	5.60E-04	1.44E-02	1.22E-03	6.23E-09	8.98E-05	1.53E-05	1.33E-03	1.56E-03	5.77E-03	6.74E-03	5.60E-04	1.46E-02

1644	495011.06	3858801.99	0.32031	0.18951	1.0098	0.17701	1.29E-03	5.65E-03	6.44E-03	5.59E-04	1.39E-02	1.18E-03	6.11E-09	8.59E-05	1.52E-05	1.28E-03	1.50E-03	5.65E-03	6.44E-03	5.59E-04	1.42E-02
1645	495061.06	3858801.99	0.31918	0.18784	0.9802	0.17677	1.29E-03	5.60E-03	6.25E-03	5.58E-04	1.37E-02	1.17E-03	6.05E-09	8.34E-05	1.52E-05	1.27E-03	1.49E-03	5.60E-03	6.25E-03	5.58E-04	1.39E-02
1646	495111.06	3858801.99	0.30873	0.1852	0.9173	0.17541	1.25E-03	5.53E-03	5.85E-03	5.54E-04	1.32E-02	1.14E-03	5.97E-09	7.80E-05	1.51E-05	1.23E-03	1.44E-03	5.53E-03	5.85E-03	5.54E-04	1.34E-02
1647	495161.06	3858801.99	0.30245	0.18288	0.8781	0.17253	1.22E-03	5.46E-03	5.60E-03	5.45E-04	1.28E-02	1.11E-03	5.89E-09	7.47E-05	1.49E-05	1.20E-03	1.41E-03	5.46E-03	5.60E-03	5.45E-04	1.30E-02
1648	495211.06	3858801.99	0.30171	0.18122	0.8747	0.17239	1.22E-03	5.41E-03	5.58E-03	5.44E-04	1.27E-02	1.11E-03	5.84E-09	7.44E-05	1.48E-05	1.20E-03	1.41E-03	5.41E-03	5.58E-03	5.44E-04	1.29E-02
1649	495261.06	3858801.99	0.30451	0.17838	0.8714	0.1726	1.23E-03	5.32E-03	5.56E-03	5.45E-04	1.27E-02	1.12E-03	5.75E-09	7.41E-05	1.49E-05	1.21E-03	1.42E-03	5.32E-03	5.56E-03	5.45E-04	1.28E-02
1650	495311.06	3858801.99	0.30849	0.17994	0.868	0.17275	1.25E-03	5.37E-03	5.54E-03	5.45E-04	1.27E-02	1.13E-03	5.80E-09	7.38E-05	1.49E-05	1.22E-03	1.44E-03	5.37E-03	5.54E-03	5.45E-04	1.29E-02
1651	495361.06	3858801.99	0.30575	0.17689	0.8661	0.17294	1.24E-03	5.28E-03	5.52E-03	5.46E-04	1.26E-02	1.12E-03	5.70E-09	7.37E-05	1.49E-05	1.21E-03	1.43E-03	5.28E-03	5.52E-03	5.46E-04	1.28E-02
1652	495411.06	3858801.99	0.3054	0.17936	0.8673	0.17298	1.23E-03	5.35E-03	5.53E-03	5.46E-04	1.27E-02	1.12E-03	5.78E-09	7.38E-05	1.49E-05	1.21E-03	1.43E-03	5.35E-03	5.53E-03	5.46E-04	1.29E-02
1653	495461.06	3858801.99	0.3014	0.17825	0.8622	0.17314	1.22E-03	5.32E-03	5.50E-03	5.47E-04	1.26E-02	1.11E-03	5.75E-09	7.33E-05	1.49E-05	1.20E-03	1.41E-03	5.32E-03	5.50E-03	5.47E-04	1.28E-02
1654	495511.06	3858801.99	0.29618	0.1744	0.8434	0.17334	1.20E-03	5.20E-03	5.38E-03	5.47E-04	1.23E-02	1.09E-03	5.62E-09	7.17E-05	1.49E-05	1.18E-03	1.39E-03	5.20E-03	5.38E-03	5.47E-04	1.25E-02
1655	495561.06	3858801.99	0.29151	0.17311	0.8278	0.17349	1.18E-03	5.16E-03	5.28E-03	5.48E-04	1.22E-02	1.07E-03	5.58E-09	7.04E-05	1.49E-05	1.16E-03	1.36E-03	5.16E-03	5.28E-03	5.48E-04	1.24E-02
1656	495611.06	3858801.99	0.28524	0.1713	0.8052	0.1737	1.15E-03	5.11E-03	5.14E-03	5.48E-04	1.19E-02	1.05E-03	5.52E-09	6.85E-05	1.50E-05	1.13E-03	1.33E-03	5.11E-03	5.14E-03	5.48E-04	1.21E-02
1657	495661.06	3858801.99	0.28145	0.17025	0.7933	0.17378	1.14E-03	5.08E-03	5.06E-03	5.49E-04	1.18E-02	1.03E-03	5.49E-09	6.75E-05	1.50E-05	1.12E-03	1.32E-03	5.08E-03	5.06E-03	5.49E-04	1.20E-02
1658	494311.06	3858851.99	0.42003	0.22495	1.5661	0.20639	1.70E-03	6.71E-03	9.99E-03	6.52E-04	1.90E-02	1.54E-03	7.25E-09	1.33E-04	1.78E-05	1.70E-03	1.96E-03	6.71E-03	9.99E-03	6.52E-04	1.93E-02
1659	494361.06	3858851.99	0.45746	0.23627	1.9574	0.2161	1.85E-03	7.05E-03	1.25E-02	6.82E-04	2.21E-02	1.68E-03	7.62E-09	1.66E-04	1.86E-05	1.87E-03	2.14E-03	7.05E-03	1.25E-02	6.82E-04	2.24E-02
1660	494411.06	3858851.99	0.4592	0.23647	1.9833	0.21683	1.86E-03	7.05E-03	1.27E-02	6.85E-04	2.22E-02	1.69E-03	7.62E-09	1.69E-04	1.87E-05	1.88E-03	2.15E-03	7.05E-03	1.27E-02	6.85E-04	2.25E-02
1661	494461.06	3858851.99	0.46883	0.23695	1.9799	0.21808	1.90E-03	7.07E-03	1.26E-02	6.89E-04	2.23E-02	1.72E-03	7.64E-09	1.68E-04	1.88E-05	1.91E-03	2.19E-03	7.07E-03	1.26E-02	6.89E-04	2.26E-02
1662	494511.06	3858851.99	0.47283	0.23684	1.6772	0.21379	1.91E-03	7.07E-03	1.07E-02	6.75E-04	2.04E-02	1.74E-03	7.63E-09	1.43E-04	1.84E-05	1.90E-03	2.21E-03	7.07E-03	1.07E-02	6.75E-04	2.07E-02
1663	494561.06	3858851.99	0.46691	0.23512	1.6761	0.21127	1.89E-03	7.01E-03	1.07E-02	6.67E-04	2.03E-02	1.72E-03	7.58E-09	1.43E-04	1.82E-05	1.88E-03	2.18E-03	7.01E-03	1.07E-02	6.67E-04	2.06E-02
1664	494611.06	3858851.99	0.45767	0.23202	1.6267	0.2069	1.85E-03	6.92E-03	1.04E-02	6.53E-04	1.98E-02	1.68E-03	7.48E-09	1.38E-04	1.78E-05	1.84E-03	2.14E-03	6.92E-03	1.04E-02	6.53E-04	2.01E-02
1665	494661.06	3858851.99	0.44426	0.22834	1.5454	0.20253	1.80E-03	6.81E-03	9.86E-03	6.39E-04	1.91E-02	1.63E-03	7.36E-09	1.31E-04	1.74E-05	1.78E-03	2.08E-03	6.81E-03	9.86E-03	6.39E-04	1.94E-02
1666	494711.06	3858851.99	0.41842	0.22286	1.4229	0.19364	1.69E-03	6.65E-03	9.08E-03	6.11E-04	1.80E-02	1.54E-03	7.18E-09	1.21E-04	1.67E-05	1.68E-03	1.96E-03	6.65E-03	9.08E-03	6.11E-04	1.83E-02
1667	494761.06	3858851.99	0.40521	0.21767	1.3598	0.192	1.64E-03	6.49E-03	8.67E-03	6.06E-04	1.74E-02	1.49E-03	7.02E-09	1.16E-04	1.65E-05	1.62E-03	1.90E-03	6.49E-03	8.67E-03	6.06E-04	1.77E-02
1668	494811.06	3858851.99	0.38996	0.21352	1.287	0.18762	1.58E-03	6.37E-03	8.21E-03	5.92E-04	1.67E-02	1.43E-03	6.88E-09	1.09E-04	1.62E-05	1.56E-03	1.82E-03	6.37E-03	8.21E-03	5.92E-04	1.70E-02
1669	494861.06	3858851.99	0.37993	0.2102	1.238	0.18514	1.54E-03	6.27E-03	7.90E-03	5.85E-04	1.63E-02	1.40E-03	6.77E-09	1.05E-04	1.59E-05	1.52E-03	1.78E-03	6.27E-03	7.90E-03	5.85E-04	1.65E-02
1670	494911.06	3858851.99	0.36393	0.20564	1.1862	0.18388	1.47E-03	6.13E-03	7.57E-03	5.81E-04	1.58E-02	1.34E-03	6.63E-09	1.01E-04	1.58E-05	1.45E-03	1.70E-03	6.13E-03	7.57E-03	5.81E-04	1.60E-02
1671	494961.06	3858851.99	0.3507	0.20119	1.1414	0.18196	1.42E-03	6.00E-03	7.28E-03	5.75E-04	1.53E-02	1.29E-03	6.48E-09	9.71E-05	1.57E-05	1.40E-03	1.64E-03	6.00E-03	7.28E-03	5.75E-04	1.55E-02
1672	495011.06	3858851.99	0.3416	0.19769	1.1115	0.1818	1.38E-03	5.90E-03	7.09E-03	5.74E-04	1.49E-02	1.26E-03	6.37E-09	9.45E-05	1.57E-05	1.37E-03	1.60E-03	5.90E-03	7.09E-03	5.74E-04	1.52E-02
1673	495061.06	3858851.99	0.33454	0.19367	1.0808	0.18057	1.35E-03	5.78E-03	6.89E-03	5.70E-04	1.46E-02	1.23E-03	6.24E-09	9.19E-05	1.55E-05	1.34E-03	1.56E-03	5.78E-03	6.89E-03	5.70E-04	1.48E-02
1674	495111.06	3858851.99	0.31591	0.18903	1.0114	0.17802	1.28E-03	5.64E-03	6.45E-03	5.62E-04	1.39E-02	1.16E-03	6.09E-09	8.60E-05	1.53E-05	1.26E-03	1.48E-03	5.64E-03	6.45E-03	5.62E-04	1.41E-02
1675	495161.06	3858851.99	0.30198	0.18647	0.9695	0.17667	1.22E-03	5.56E-03	6.18E-03	5.58E-04	1.35E-02	1.11E-03	6.01E-09	8.25E-05	1.52E-05	1.21E-03	1.41E-03	5.56E-03	6.18E-03	5.58E-04	1.37E-02
1676	495211.06	3858851.99	0.30478	0.18631	0.9772	0.17688	1.23E-03	5.56E-03	6.23E-03	5.58E-04	1.36E-02	1.12E-03	6.00E-09	8.31E-05	1.52E-05	1.22E-03	1.43E-03	5.56E-03	6.23E-03	5.58E-04	1.38E-02
1677	495261.06	3858851.99	0.30876	0.18539	0.9693	0.17658	1.25E-03	5.53E-03	6.18E-03	5.58E-04	1.35E-02	1.14E-03	5.98E-09	8.24E-05	1.52E-05	1.23E-03	1.44E-03	5.53E-03	6.18E-03	5.58E-04	1.37E-02
1678	495311.06	3858851.99	0.31496	0.18491	0.9706	0.17657	1.27E-03	5.52E-03	6.19E-03	5.57E-04	1.35E-02	1.16E-03	5.96E-09	8.25E-05	1.52E-05	1.26E-03	1.47E-03	5.52E-03	6.19E-03	5.57E-04	1.37E-02
1679	495361.06	3858851.99	0.31923	0.18409	0.9647	0.17632	1.29E-03	5.49E-03	6.15E-03	5.57E-04	1.35E-02	1.17E-03	5.93E-09	8.20E-05	1.52E-05	1.27E-03	1.49E-03	5.49E-03	6.15E-03	5.57E-04	1.37E-02
1680	495411.06	3858851.99	0.32324	0.18323	0.9584	0.17604	1.31E-03	5.47E-03	6.11E-03	5.56E-04	1.34E-02	1.19E-03	5.91E-09	8.15E-05	1.52E-05	1.29E-03	1.51E-03	5.47E-03	6.11E-03	5.56E-04	1.36E-02
1681	495461.06	3858851.99	0.32226	0.18249	0.9544	0.17583	1.30E-03	5.44E-03	6.09E-03	5.55E-04	1.34E-02	1.18E-03	5.88E-09	8.12E-05	1.51E-05	1.28E-03	1.51E-03	5.44E-03	6.09E-03	5.55E-04	1.36E-02
1682	495511.06	3858851.99	0.31863	0.18123	0.9597	0.17591	1.29E-03	5.41E-03	6.12E-03	5.55E-04	1.34E-02	1.17E-03	5.84E-09	8.16E-05	1.51E-05	1.27E-03	1.49E-03	5.41E-03	6.12E-03	5.55E-04	1.36E-02
1683	495561.06	3858851.99	0.31062	0.17894	0.9021	0.17388	1.26E-03	5.34E-03	5.75E-03	5.49E-04	1.29E-02	1.14E-03	5.77E-09	7.67E-05	1.50E-05	1.23E-03	1.45E-03	5.34E-03	5.75E-03	5.49E-04	1.31E-02
1684	495611.06	3858851.99	0.30405	0.17717	0.8721	0.17374	1.23E-03	5.29E-03	5.56E-03	5.49E-04	1.26E-02	1.12E-03	5.71E-09	7.42E-05	1.50E-05	1.21E-03	1.42E-03	5.29E-03	5.56E-03	5.49E-04	1.28E-02
1685	495661.06	3858851.99	0.30142	0.17656	0.8671	0.1737	1.22E-03	5.27E-03	5.53E-03	5.48E-04	1.26E-02	1.11E-03	5.69E-09	7.37E-05	1.50E-05	1.20E-03	1.41E-03	5.27E-03	5.53E-03	5.48E-04	1.28E-02
1686	494311.06	3858901.99	0.44904	0.23773	1.64	0.21823	1.82E-03	7.09E-03	1.05E-02	6.89E-04	2.01E-02	1.65E-03	7.66E-09	1.39E-04	1.88E-05	1.81E-03	2.10E-03	7.09E-03	1.05E-02	6.89E-04	2.03E-02
1687	494361.06	3858901.99	0.48367	0.24511	1.8356	0.22183	1.96E-03	7.31E-03	1.17E-02	7.00E-04	2.17E-02	1.78E-03	7.90E-09	1.56E-04	1.91E-05	1.95E-03	2.26E-03	7.31E-03	1.17E-02	7.00E-04	2.20E-02
1688	494411.06	3858901.99	0.49124	0.24627	1.9015	0.22161	1.99E-03	7.35E-03	1.21E-02	7.00E-04	2.22E-02	1.81E-03	7.94E-09	1.62E-04	1.91E-05	1.99E-03	2.30E-03	7.35E-03	1.21E-02	7.00E-04	2.25E-02
1689	494461.06	3858901.99	0.49866	0.24822	1.6698	0.21994	2.02E-03	7.41E-03	1.07E-02	6.94E-04	2.08E-02	1.83E-03	8.00E-09	1.42E-04	1.89E-05	1.99E-03	2.33E-03	7.41E-03	1.07E-02	6.94E-04	2.11E-02
1690	494511.06	3858901.99	0.50466	0.24775	1.6621	0.21916	2.04E-03	7.39E-03	1.06E-02	6.92E-04	2.07E-02	1.86E-03	7.99E-09	1.41E-04	1.89E-05	2.02E-03	2.36E-03	7.39E-03	1.06E-02	6.92E-04	2.10E-02
1691	494561.06	3858901.99	0.49613	0.2448	1.6301	0.21686	2.01E-03	7.30E-03	1.04E-02	6.85E-04	2.04E-02	1.82E-03	7.89E-09	1.39E-04	1.87E-05	1.98E-03	2.32E-03	7.30E-03	1.04E-02	6.85E-04	2.07E-02
1692	494611.06	3858901.99	0.47353	0.23903	1.5722	0.21093	1.91E-03	7.13E-03	1.00E-02	6.66E-04	1.97E-02	1.74E-03	7.70E-09	1.34E-04	1.82E-05	1.89E-03	2.21E-03	7.13E-03	1.00E-02	6.66E-04	2.00E-02
1693	494661.06	3858901.99	0.46421	0.23626	1.5374	0.20575	1.88E-03	7.05E-03	9.81E-03	6.50E-04	1.94E-02	1.71E-03	7.61E-09	1.31E-04	1.77E-05	1.86E-03	2.17E-03	7.05E-03	9.81E-03	6.50E-04	1.97E-02
1694	494711.06	3858901.99	0.44641	0.23112	1.4782	0.19892	1.80E-03	6.90E-03	9.43E-03	6.28E-04	1.88E-02	1.64E-03	7.45E-09	1.26E-04	1.71E-05	1.78E-03	2.09E-03	6.90E-03	9.43E-03	6.28E-04	1.90E-02
1695	494761.06	3858901.99	0.4257	0.22501	1.3952	0.19579	1.72E-03	6.71E-03	8.90E-03	6.18E-04	1.80E-02	1.57E-03	7.25E-09	1.19E-04	1.69E-05	1.70E-03	1.99E-03	6.71E-03	8.90E-03	6.18E-04	1.82E-02
1696	494811.06	3858901.99	0.4118	0.22143	1.3565	0.19355	1.66E-03	6.61E-03	8.65E-03	6.11E-04	1.75E-02	1.51E-03	7.14E-09	1.15E-04	1.67E-05	1.65E-03	1.93E-03	6.61E-03	8.65E-03	6.11E-04	1.78E-02
1697	494861.06	3858901.99	0.40625	0.21787	1.3234	0.19308	1.64E-03	6.50E-03	8.44E-03	6.10E-04	1.72E-02	1.49E-03	7.02E-09	1.13E-04	1.66E-05	1.62E-03	1.90E-03	6.50E-03	8.44E-03	6.10E-04	1.75E-02
1698	494911.06	3858901.99	0.3863	0.21096	1.2458	0.19087	1.56E-03	6.29E-03	7.95E-03	6.03E-04	1.64E-02	1.42E-03	6.80E-09	1.06E-04	1.64E-05	1.54E-03	1.81E-03	6.29E-03	7.95E-03	6.03E-04	1.66E-02
1699	494961.06	3858901.99	0.37471	0.20718	1.2022	0.18704	1.51E-03	6.18E-03	7.67E-03	5.91E-04	1.60E-02	1.38E-03	6.68E-09	1.02E-04	1.61E-05	1.50E-03	1.75E-03	6.18E-03	7.67E-03	5.91E-04	1.62E-02
1700	495011.06	3858901.99	0.36362	0.20398	1.1676	0.18696	1.47E-03	6.09E-03	7.45E-03	5.90E-04	1.56E-02	1.34E-03	6.57E-09	9.93E-05	1.61E-05	1.45E-03	1.70E-03	6.09E-03	7.45E-03	5.90E-04	1.58E-02
1701	495061.06	3858901.99	0.34563	0.19928	1.1136	0.184	1.40E-03	5.95E-03	7.10E-03	5.81E-04	1.50E-02	1.27E-03	6.42E-09	9.47E-05	1.58E-05	1.38E-03	1.62E-03	5.95E-03	7.10E-03	5.81E-04	1.52E-02
1702	495111.06	3858901.99	0.31884	0.19328	1.0581	0.18131	1.29E-03	5.77E-03	6.75E-03	5.72E-04	1.44E-02	1.17E-03	6.23E-09	9.00E-05	1.56E-05	1.28E-03	1.49E-03	5.77E-03	6.75E-03	5.72E-04	1.46E-02
1703	495161.06	3858901.99	0.31565	0.19128	1.0444	0.18046	1.28E-03	5.71E-03	6.66E-03	5.70E-04	1.42E-02	1.16E-03	6.17E-09	8.88E-05	1.55E-05	1.26E-03	1.48E-03	5.71E-03	6.66E-03	5.70E-04	1.44E-02
1704	495211.06	3858901.99	0.32412	0.19211	1.0592	0.18093	1.31E-03	5.73E-03	6.76E-03	5.71E-04	1.44E-02	1.19E-03	6.19E-09	9.01E-05	1.56E-05	1.30E-03	1.52E-03	5.73E-03	6.76E-03	5.71E-04	1.46E-02

1705	495261.06	3858901.99	0.32844	0.19146	1.0582	0.18067	1.33E-03	5.71E-03	6.75E-03	5.70E-04	1.44E-02	1.21E-03	6.17E-09	9.00E-05	1.56E-05	1.31E-03	1.54E-03	5.71E-03	6.75E-03	5.70E-04	1.46E-02
1706	495311.06	3858901.99	0.32657	0.19032	1.052	0.18015	1.32E-03	5.68E-03	6.71E-03	5.69E-04	1.43E-02	1.20E-03	6.13E-09	8.95E-05	1.55E-05	1.31E-03	1.53E-03	5.68E-03	6.71E-03	5.69E-04	1.45E-02
1707	495361.06	3858901.99	0.32474	0.18936	1.0469	0.1797	1.31E-03	5.65E-03	6.68E-03	5.67E-04	1.42E-02	1.19E-03	6.10E-09	8.90E-05	1.55E-05	1.30E-03	1.52E-03	5.65E-03	6.68E-03	5.67E-04	1.44E-02
1708	495411.06	3858901.99	0.32681	0.18921	1.0493	0.17959	1.32E-03	5.64E-03	6.69E-03	5.67E-04	1.42E-02	1.20E-03	6.10E-09	8.92E-05	1.55E-05	1.31E-03	1.53E-03	5.64E-03	6.69E-03	5.67E-04	1.44E-02
1709	495461.06	3858901.99	0.32788	0.18775	1.0386	0.17886	1.33E-03	5.60E-03	6.62E-03	5.65E-04	1.41E-02	1.21E-03	6.05E-09	8.83E-05	1.54E-05	1.31E-03	1.53E-03	5.60E-03	6.62E-03	5.65E-04	1.43E-02
1710	495511.06	3858901.99	0.32726	0.18555	1.0205	0.17776	1.32E-03	5.54E-03	6.51E-03	5.61E-04	1.39E-02	1.20E-03	5.98E-09	8.68E-05	1.53E-05	1.31E-03	1.53E-03	5.54E-03	6.51E-03	5.61E-04	1.41E-02
1711	495561.06	3858901.99	0.32779	0.18376	1.0058	0.17682	1.32E-03	5.48E-03	6.42E-03	5.58E-04	1.38E-02	1.21E-03	5.92E-09	8.55E-05	1.52E-05	1.31E-03	1.53E-03	5.48E-03	6.42E-03	5.58E-04	1.40E-02
1712	495611.06	3858901.99	0.32445	0.18135	0.9847	0.17556	1.31E-03	5.41E-03	6.28E-03	5.54E-04	1.36E-02	1.19E-03	5.85E-09	8.37E-05	1.51E-05	1.29E-03	1.52E-03	5.41E-03	6.28E-03	5.54E-04	1.38E-02
1713	495661.06	3858901.99	0.32245	0.18089	0.9824	0.17521	1.30E-03	5.40E-03	6.27E-03	5.53E-04	1.35E-02	1.19E-03	5.83E-09	8.35E-05	1.51E-05	1.28E-03	1.51E-03	5.40E-03	6.27E-03	5.53E-04	1.37E-02
1714	494311.06	3858951.99	0.49793	0.25579	1.7539	0.22395	2.01E-03	7.63E-03	1.12E-02	7.07E-04	2.15E-02	1.83E-03	8.24E-09	1.49E-04	1.93E-05	2.00E-03	2.33E-03	7.63E-03	1.12E-02	7.07E-04	2.19E-02
1715	494361.06	3858951.99	0.51487	0.25853	1.9095	0.22463	2.08E-03	7.71E-03	1.22E-02	7.09E-04	2.27E-02	1.89E-03	8.33E-09	1.62E-04	1.93E-05	2.07E-03	2.41E-03	7.71E-03	1.22E-02	7.09E-04	2.30E-02
1716	494411.06	3858951.99	0.51199	0.25648	1.8835	0.22267	2.07E-03	7.65E-03	1.20E-02	7.03E-04	2.24E-02	1.88E-03	8.27E-09	1.60E-04	1.92E-05	2.06E-03	2.39E-03	7.65E-03	1.20E-02	7.03E-04	2.28E-02
1717	494461.06	3858951.99	0.51994	0.26002	1.7091	0.22089	2.10E-03	7.76E-03	1.09E-02	6.97E-04	2.15E-02	1.91E-03	8.38E-09	1.45E-04	1.90E-05	2.08E-03	2.43E-03	7.76E-03	1.09E-02	6.97E-04	2.18E-02
1718	494511.06	3858951.99	0.51884	0.25889	1.7003	0.2193	2.10E-03	7.72E-03	1.08E-02	6.92E-04	2.14E-02	1.91E-03	8.34E-09	1.45E-04	1.89E-05	2.07E-03	2.43E-03	7.72E-03	1.08E-02	6.92E-04	2.17E-02
1719	494561.06	3858951.99	0.51103	0.25589	1.6125	0.21698	2.07E-03	7.63E-03	1.03E-02	6.85E-04	2.07E-02	1.88E-03	8.25E-09	1.37E-04	1.87E-05	2.03E-03	2.39E-03	7.63E-03	1.03E-02	6.85E-04	2.10E-02
1720	494611.06	3858951.99	0.49577	0.2488	1.5666	0.21387	2.00E-03	7.42E-03	9.99E-03	6.75E-04	2.01E-02	1.82E-03	8.02E-09	1.33E-04	1.84E-05	1.97E-03	2.32E-03	7.42E-03	9.99E-03	6.75E-04	2.04E-02
1721	494661.06	3858951.99	0.48164	0.24433	1.5267	0.21099	1.95E-03	7.29E-03	9.74E-03	6.66E-04	1.96E-02	1.77E-03	7.87E-09	1.30E-04	1.82E-05	1.92E-03	2.25E-03	7.29E-03	9.74E-03	6.66E-04	1.99E-02
1722	494711.06	3858951.99	0.45849	0.23776	1.4732	0.20027	1.85E-03	7.09E-03	9.40E-03	6.32E-04	1.90E-02	1.69E-03	7.66E-09	1.25E-04	1.72E-05	1.83E-03	2.14E-03	7.09E-03	9.40E-03	6.32E-04	1.93E-02
1723	494761.06	3858951.99	0.44416	0.23316	1.4315	0.19722	1.80E-03	6.96E-03	9.13E-03	6.23E-04	1.85E-02	1.63E-03	7.51E-09	1.22E-04	1.70E-05	1.77E-03	2.08E-03	6.96E-03	9.13E-03	6.23E-04	1.88E-02
1724	494811.06	3858951.99	0.43657	0.22889	1.4018	0.19719	1.76E-03	6.83E-03	8.94E-03	6.23E-04	1.82E-02	1.61E-03	7.38E-09	1.19E-04	1.70E-05	1.74E-03	2.04E-03	6.83E-03	8.94E-03	6.23E-04	1.84E-02
1725	494861.06	3858951.99	0.42867	0.22469	1.3709	0.19728	1.73E-03	6.70E-03	8.74E-03	6.23E-04	1.78E-02	1.58E-03	7.24E-09	1.17E-04	1.70E-05	1.71E-03	2.00E-03	6.70E-03	8.74E-03	6.23E-04	1.81E-02
1726	494911.06	3858951.99	0.41426	0.21904	1.3227	0.1949	1.67E-03	6.53E-03	8.44E-03	6.15E-04	1.73E-02	1.52E-03	7.06E-09	1.12E-04	1.68E-05	1.65E-03	1.94E-03	6.53E-03	8.44E-03	6.15E-04	1.75E-02
1727	494961.06	3858951.99	0.40716	0.21584	1.298	0.19439	1.65E-03	6.44E-03	8.28E-03	6.14E-04	1.70E-02	1.50E-03	6.96E-09	1.10E-04	1.67E-05	1.62E-03	1.90E-03	6.44E-03	8.28E-03	6.14E-04	1.72E-02
1728	495011.06	3858951.99	0.3827	0.20882	1.2174	0.19208	1.55E-03	6.23E-03	7.77E-03	6.06E-04	1.61E-02	1.41E-03	6.73E-09	1.04E-04	1.65E-05	1.53E-03	1.79E-03	6.23E-03	7.77E-03	6.06E-04	1.64E-02
1729	495061.06	3858951.99	0.35632	0.20081	1.1384	0.18694	1.44E-03	5.99E-03	7.26E-03	5.90E-04	1.53E-02	1.31E-03	6.47E-09	9.68E-05	1.61E-05	1.42E-03	1.67E-03	5.99E-03	7.26E-03	5.90E-04	1.55E-02
1730	495111.06	3858951.99	0.3358	0.19575	1.083	0.18372	1.36E-03	5.84E-03	6.91E-03	5.80E-04	1.47E-02	1.23E-03	6.31E-09	9.21E-05	1.58E-05	1.34E-03	1.57E-03	5.84E-03	6.91E-03	5.80E-04	1.49E-02
1731	495161.06	3858951.99	0.35013	0.19748	1.1266	0.18437	1.42E-03	5.89E-03	7.19E-03	5.82E-04	1.51E-02	1.29E-03	6.36E-09	9.58E-05	1.59E-05	1.40E-03	1.64E-03	5.89E-03	7.19E-03	5.82E-04	1.53E-02
1732	495211.06	3858951.99	0.3524	0.1969	1.1352	0.184	1.42E-03	5.87E-03	7.24E-03	5.81E-04	1.51E-02	1.30E-03	6.35E-09	9.65E-05	1.58E-05	1.41E-03	1.65E-03	5.87E-03	7.24E-03	5.81E-04	1.53E-02
1733	495261.06	3858951.99	0.3543	0.19625	1.1314	0.18357	1.43E-03	5.85E-03	7.22E-03	5.80E-04	1.51E-02	1.30E-03	6.33E-09	9.62E-05	1.58E-05	1.41E-03	1.66E-03	5.85E-03	7.22E-03	5.80E-04	1.53E-02
1734	495311.06	3858951.99	0.34602	0.19362	1.0982	0.1823	1.40E-03	5.78E-03	7.00E-03	5.76E-04	1.48E-02	1.27E-03	6.24E-09	9.34E-05	1.57E-05	1.38E-03	1.62E-03	5.78E-03	7.00E-03	5.76E-04	1.50E-02
1735	495361.06	3858951.99	0.34912	0.19325	1.0963	0.18195	1.41E-03	5.77E-03	6.99E-03	5.74E-04	1.47E-02	1.28E-03	6.23E-09	9.32E-05	1.57E-05	1.39E-03	1.63E-03	5.77E-03	6.99E-03	5.74E-04	1.50E-02
1736	495411.06	3858951.99	0.35308	0.19327	1.1107	0.18136	1.43E-03	5.77E-03	7.08E-03	5.73E-04	1.49E-02	1.30E-03	6.23E-09	9.45E-05	1.56E-05	1.41E-03	1.65E-03	5.77E-03	7.08E-03	5.73E-04	1.51E-02
1737	495461.06	3858951.99	0.34848	0.19201	1.106	0.18024	1.41E-03	5.73E-03	7.05E-03	5.69E-04	1.48E-02	1.28E-03	6.19E-09	9.41E-05	1.55E-05	1.39E-03	1.63E-03	5.73E-03	7.05E-03	5.69E-04	1.50E-02
1738	495511.06	3858951.99	0.3503	0.19151	1.1113	0.17938	1.42E-03	5.71E-03	7.09E-03	5.66E-04	1.48E-02	1.29E-03	6.17E-09	9.45E-05	1.54E-05	1.40E-03	1.64E-03	5.71E-03	7.09E-03	5.66E-04	1.50E-02
1739	495561.06	3858951.99	0.33932	0.18781	1.0701	0.17869	1.37E-03	5.60E-03	6.83E-03	5.64E-04	1.44E-02	1.25E-03	6.05E-09	9.10E-05	1.54E-05	1.35E-03	1.59E-03	5.60E-03	6.83E-03	5.64E-04	1.46E-02
1740	495611.06	3858951.99	0.33336	0.18555	1.049	0.17744	1.35E-03	5.54E-03	6.69E-03	5.60E-04	1.41E-02	1.23E-03	5.98E-09	8.92E-05	1.53E-05	1.33E-03	1.56E-03	5.54E-03	6.69E-03	5.60E-04	1.43E-02
1741	495661.06	3858951.99	0.33554	0.18515	1.0542	0.17697	1.36E-03	5.52E-03	6.72E-03	5.59E-04	1.42E-02	1.23E-03	5.97E-09	8.97E-05	1.52E-05	1.34E-03	1.57E-03	5.52E-03	6.72E-03	5.59E-04	1.44E-02
1742	494311.06	3859001.99	0.52676	0.27684	1.695	0.25302	2.13E-03	8.26E-03	1.08E-02	7.99E-04	2.20E-02	1.94E-03	8.92E-09	1.44E-04	2.18E-05	2.10E-03	2.46E-03	8.26E-03	1.08E-02	7.99E-04	2.23E-02
1743	494361.06	3859001.99	0.53252	0.27715	1.7	0.25205	2.15E-03	8.27E-03	1.08E-02	7.96E-04	2.21E-02	1.96E-03	8.93E-09	1.45E-04	2.17E-05	2.12E-03	2.49E-03	8.27E-03	1.08E-02	7.96E-04	2.24E-02
1744	494411.06	3859001.99	0.53606	0.27894	1.6725	0.23298	2.17E-03	8.32E-03	1.07E-02	7.36E-04	2.19E-02	1.97E-03	8.99E-09	1.42E-04	2.01E-05	2.13E-03	2.51E-03	8.32E-03	1.07E-02	7.36E-04	2.22E-02
1745	494461.06	3859001.99	0.5371	0.27594	1.6761	0.23205	2.17E-03	8.23E-03	1.07E-02	7.33E-04	2.18E-02	1.97E-03	8.89E-09	1.43E-04	2.00E-05	2.14E-03	2.51E-03	8.23E-03	1.07E-02	7.33E-04	2.22E-02
1746	494511.06	3859001.99	0.53739	0.27406	1.6776	0.2308	2.17E-03	8.18E-03	1.07E-02	7.29E-04	2.18E-02	1.98E-03	8.83E-09	1.43E-04	1.99E-05	2.14E-03	2.51E-03	8.18E-03	1.07E-02	7.29E-04	2.21E-02
1747	494561.06	3859001.99	0.5247	0.26678	1.6593	0.2204	2.12E-03	7.96E-03	1.06E-02	6.96E-04	2.14E-02	1.93E-03	8.60E-09	1.41E-04	1.90E-05	2.09E-03	2.45E-03	7.96E-03	1.06E-02	6.96E-04	2.17E-02
1748	494611.06	3859001.99	0.51296	0.26035	1.6398	0.21277	2.07E-03	7.77E-03	1.05E-02	6.72E-04	2.10E-02	1.89E-03	8.39E-09	1.39E-04	1.83E-05	2.04E-03	2.40E-03	7.77E-03	1.05E-02	6.72E-04	2.13E-02
1749	494661.06	3859001.99	0.49624	0.25216	1.6092	0.20952	2.01E-03	7.52E-03	1.03E-02	6.62E-04	2.05E-02	1.82E-03	8.13E-09	1.37E-04	1.80E-05	1.98E-03	2.32E-03	7.52E-03	1.03E-02	6.62E-04	2.08E-02
1750	494711.06	3859001.99	0.47471	0.24469	1.5655	0.20436	1.92E-03	7.30E-03	9.99E-03	6.45E-04	1.98E-02	1.75E-03	7.89E-09	1.33E-04	1.76E-05	1.90E-03	2.22E-03	7.30E-03	9.99E-03	6.45E-04	2.02E-02
1751	494761.06	3859001.99	0.46378	0.23959	1.4636	0.20097	1.87E-03	7.15E-03	9.34E-03	6.35E-04	1.90E-02	1.71E-03	7.72E-09	1.24E-04	1.73E-05	1.85E-03	2.17E-03	7.15E-03	9.34E-03	6.35E-04	1.93E-02
1752	494811.06	3859001.99	0.45918	0.23625	1.4506	0.20035	1.86E-03	7.05E-03	9.25E-03	6.33E-04	1.88E-02	1.69E-03	7.61E-09	1.23E-04	1.73E-05	1.83E-03	2.15E-03	7.05E-03	9.25E-03	6.33E-04	1.91E-02
1753	494861.06	3859001.99	0.44584	0.23096	1.4201	0.19899	1.80E-03	6.89E-03	9.06E-03	6.28E-04	1.84E-02	1.64E-03	7.44E-09	1.21E-04	1.71E-05	1.78E-03	2.09E-03	6.89E-03	9.06E-03	6.28E-04	1.87E-02
1754	494911.06	3859001.99	0.43335	0.22552	1.3846	0.19828	1.75E-03	6.73E-03	8.83E-03	6.26E-04	1.79E-02	1.59E-03	7.27E-09	1.18E-04	1.71E-05	1.73E-03	2.03E-03	6.73E-03	8.83E-03	6.26E-04	1.82E-02
1755	494961.06	3859001.99	0.42067	0.22047	1.3458	0.19743	1.70E-03	6.58E-03	8.58E-03	6.23E-04	1.75E-02	1.55E-03	7.11E-09	1.14E-04	1.70E-05	1.68E-03	1.97E-03	6.58E-03	8.58E-03	6.23E-04	1.78E-02
1756	495011.06	3859001.99	0.38485	0.21058	1.2224	0.19281	1.56E-03	6.28E-03	7.80E-03	6.09E-04	1.62E-02	1.41E-03	6.79E-09	1.04E-04	1.66E-05	1.54E-03	1.80E-03	6.28E-03	7.80E-03	6.09E-04	1.65E-02
1757	495061.06	3859001.99	0.37785	0.20828	1.2018	0.18856	1.53E-03	6.21E-03	7.67E-03	5.95E-04	1.60E-02	1.39E-03	6.71E-09	1.02E-04	1.62E-05	1.51E-03	1.77E-03	6.21E-03	7.67E-03	5.95E-04	1.62E-02
1758	495111.06	3859001.99	0.35819	0.20395	1.1492	0.18541	1.45E-03	6.08E-03	7.33E-03	5.85E-04	1.54E-02	1.32E-03	6.57E-09	9.77E-05	1.60E-05	1.43E-03	1.68E-03	6.08E-03	7.33E-03	5.85E-04	1.57E-02
1759	495161.06	3859001.99	0.37593	0.20621	1.198	0.18755	1.52E-03	6.15E-03	7.64E-03	5.92E-04	1.59E-02	1.38E-03	6.65E-09	1.02E-04	1.61E-05	1.50E-03	1.76E-03	6.15E-03	7.64E-03	5.92E-04	1.61E-02
1760	495211.06	3859001.99	0.37552	0.20476	1.1895	0.18595	1.52E-03	6.11E-03	7.59E-03	5.87E-04	1.58E-02	1.38E-03	6.60E-09	1.01E-04	1.60E-05	1.50E-03	1.76E-03	6.11E-03	7.59E-03	5.87E-04	1.60E-02
1761	495261.06	3859001.99	0.37874	0.20401	1.1912	0.18645	1.53E-03	6.09E-03	7.60E-03	5.89E-04	1.58E-02	1.39E-03	6.58E-09	1.01E-04	1.61E-05	1.51E-03	1.77E-03	6.09E-03	7.60E-03	5.89E-04	1.60E-02
1762	495311.06	3859001.99	0.37665	0.2023	1.1786	0.18424	1.52E-03	6.04E-03	7.52E-03	5.82E-04	1.57E-02	1.38E-03	6.52E-09	1.00E-04	1.59E-05	1.50E-03	1.76E-03	6.04E-03	7.52E-03	5.82E-04	1.59E-02
1763	495361.06	3859001.99	0.37876	0.2014	1.1777	0.18443	1.53E-03	6.01E-03	7.51E-03	5.82E-04	1.56E-02	1.39E-03	6.49E-09	1.00E-04	1.59E-05	1.51E-03	1.77E-03	6.01E-03	7.51E-03	5.82E-04	1.59E-02
1764	495411.06	3859001.99	0.37834	0.20007	1.1727	0.18339	1.53E-03	5.97E-03	7.48E-03	5.79E-04	1.56E-02	1.39E-03	6.45E-09	9.97E-05	1.58E-05	1.51E-03	1.77E-03	5.97E-03	7.48E-03	5.79E-04	1.58E-02
1765	495461.06	3859001.99	0.37862	0.19935	1.1795	0.18291	1.53E-03	5.95E-03	7.52E-03	5.78E-04	1.56E-02	1.39E-03	6.43E-09	1.00E-04	1.58E-05	1.51E-03	1.77E-03	5.95E-03	7.52E-03	5.78E-04	1.58E-02

1766	495511.06	3859001.99	0.36886	0.19674	1.1563	0.18038	1.49E-03	5.87E-03	7.38E-03	5.70E-04	1.53E-02	1.36E-03	6.34E-09	9.83E-05	1.55E-05	1.47E-03	1.73E-03	5.87E-03	7.38E-03	5.70E-04	1.55E-02
1767	495561.06	3859001.99	0.36323	0.19513	1.1476	0.17924	1.47E-03	5.82E-03	7.32E-03	5.66E-04	1.52E-02	1.34E-03	6.29E-09	9.76E-05	1.54E-05	1.45E-03	1.70E-03	5.82E-03	7.32E-03	5.66E-04	1.54E-02
1768	495611.06	3859001.99	0.35374	0.19337	1.1299	0.17801	1.43E-03	5.77E-03	7.21E-03	5.62E-04	1.50E-02	1.30E-03	6.23E-09	9.61E-05	1.53E-05	1.41E-03	1.65E-03	5.77E-03	7.21E-03	5.62E-04	1.52E-02
1769	495661.06	3859001.99	0.36111	0.19402	1.1422	0.17783	1.46E-03	5.79E-03	7.29E-03	5.61E-04	1.51E-02	1.33E-03	6.25E-09	9.71E-05	1.53E-05	1.44E-03	1.69E-03	5.79E-03	7.29E-03	5.61E-04	1.53E-02
1770	494311.06	3859051.99	0.54056	0.2949	1.6674	0.28605	2.19E-03	8.80E-03	1.06E-02	9.03E-04	2.25E-02	1.99E-03	9.50E-09	1.42E-04	2.46E-05	2.15E-03	2.53E-03	8.80E-03	1.06E-02	9.03E-04	2.29E-02
1771	494361.06	3859051.99	0.54436	0.29664	1.6215	0.25051	2.20E-03	8.85E-03	1.03E-02	7.91E-04	2.22E-02	2.00E-03	9.56E-09	1.38E-04	2.16E-05	2.16E-03	2.55E-03	8.85E-03	1.03E-02	7.91E-04	2.25E-02
1772	494411.06	3859051.99	0.54476	0.29312	1.597	0.25038	2.20E-03	8.74E-03	1.02E-02	7.91E-04	2.19E-02	2.00E-03	9.45E-09	1.36E-04	2.16E-05	2.16E-03	2.55E-03	8.74E-03	1.02E-02	7.91E-04	2.23E-02
1773	494461.06	3859051.99	0.54364	0.28883	1.5759	0.25032	2.20E-03	8.62E-03	1.01E-02	7.90E-04	2.17E-02	2.00E-03	9.31E-09	1.34E-04	2.16E-05	2.15E-03	2.54E-03	8.62E-03	1.01E-02	7.90E-04	2.20E-02
1774	494511.06	3859051.99	0.53847	0.28321	1.577	0.2503	2.18E-03	8.45E-03	1.01E-02	7.90E-04	2.15E-02	1.98E-03	9.13E-09	1.34E-04	2.16E-05	2.14E-03	2.52E-03	8.45E-03	1.01E-02	7.90E-04	2.18E-02
1775	494561.06	3859051.99	0.53342	0.27859	1.5785	0.24564	2.16E-03	8.31E-03	1.01E-02	7.76E-04	2.13E-02	1.96E-03	8.98E-09	1.34E-04	2.12E-05	2.12E-03	2.49E-03	8.31E-03	1.01E-02	7.76E-04	2.16E-02
1776	494611.06	3859051.99	0.52266	0.27156	1.5706	0.23449	2.11E-03	8.10E-03	1.00E-02	7.40E-04	2.10E-02	1.92E-03	8.75E-09	1.34E-04	2.02E-05	2.08E-03	2.44E-03	8.10E-03	1.00E-02	7.40E-04	2.13E-02
1777	494661.06	3859051.99	0.50953	0.26379	1.5567	0.22227	2.06E-03	7.87E-03	9.93E-03	7.02E-04	2.06E-02	1.87E-03	8.50E-09	1.32E-04	1.91E-05	2.02E-03	2.38E-03	7.87E-03	9.93E-03	7.02E-04	2.09E-02
1778	494711.06	3859051.99	0.49717	0.25674	1.5412	0.21145	2.01E-03	7.66E-03	9.83E-03	6.68E-04	2.02E-02	1.83E-03	8.27E-09	1.31E-04	1.82E-05	1.98E-03	2.33E-03	7.66E-03	9.83E-03	6.68E-04	2.05E-02
1779	494761.06	3859051.99	0.48334	0.24955	1.5208	0.20455	1.95E-03	7.44E-03	9.70E-03	6.46E-04	1.97E-02	1.78E-03	8.04E-09	1.29E-04	1.76E-05	1.92E-03	2.26E-03	7.44E-03	9.70E-03	6.46E-04	2.01E-02
1780	494811.06	3859051.99	0.47508	0.24598	1.5082	0.20318	1.92E-03	7.34E-03	9.62E-03	6.42E-04	1.95E-02	1.75E-03	7.93E-09	1.28E-04	1.75E-05	1.89E-03	2.22E-03	7.34E-03	9.62E-03	6.42E-04	1.98E-02
1781	494861.06	3859051.99	0.46599	0.24089	1.4924	0.20301	1.88E-03	7.19E-03	9.52E-03	6.41E-04	1.92E-02	1.71E-03	7.76E-09	1.27E-04	1.75E-05	1.86E-03	2.18E-03	7.19E-03	9.52E-03	6.41E-04	1.95E-02
1782	494911.06	3859051.99	0.44796	0.23594	1.4565	0.20202	1.81E-03	7.04E-03	9.29E-03	6.38E-04	1.88E-02	1.65E-03	7.60E-09	1.24E-04	1.74E-05	1.79E-03	2.09E-03	7.04E-03	9.29E-03	6.38E-04	1.91E-02
1783	494961.06	3859051.99	0.41826	0.22459	1.3231	0.19995	1.69E-03	6.70E-03	8.44E-03	6.31E-04	1.75E-02	1.54E-03	7.24E-09	1.13E-04	1.72E-05	1.67E-03	1.96E-03	6.70E-03	8.44E-03	6.31E-04	1.77E-02
1784	495011.06	3859051.99	0.40406	0.21835	1.2754	0.19836	1.63E-03	6.51E-03	8.14E-03	6.26E-04	1.69E-02	1.49E-03	7.04E-09	1.08E-04	1.71E-05	1.61E-03	1.89E-03	6.51E-03	8.14E-03	6.26E-04	1.72E-02
1785	495061.06	3859051.99	0.39893	0.21457	1.2449	0.19725	1.61E-03	6.40E-03	7.94E-03	6.23E-04	1.66E-02	1.47E-03	6.92E-09	1.06E-04	1.70E-05	1.59E-03	1.87E-03	6.40E-03	7.94E-03	6.23E-04	1.68E-02
1786	495111.06	3859051.99	0.3967	0.21303	1.2325	0.19644	1.60E-03	6.36E-03	7.86E-03	6.20E-04	1.64E-02	1.46E-03	6.87E-09	1.05E-04	1.69E-05	1.58E-03	1.86E-03	6.36E-03	7.86E-03	6.20E-04	1.67E-02
1787	495161.06	3859051.99	0.40213	0.21493	1.2603	0.19683	1.63E-03	6.41E-03	8.04E-03	6.21E-04	1.67E-02	1.48E-03	6.93E-09	1.07E-04	1.69E-05	1.60E-03	1.88E-03	6.41E-03	8.04E-03	6.21E-04	1.70E-02
1788	495211.06	3859051.99	0.39852	0.21195	1.2418	0.19574	1.61E-03	6.32E-03	7.92E-03	6.18E-04	1.65E-02	1.47E-03	6.83E-09	1.06E-04	1.69E-05	1.59E-03	1.86E-03	6.32E-03	7.92E-03	6.18E-04	1.67E-02
1789	495261.06	3859051.99	0.40123	0.21262	1.2565	0.19605	1.62E-03	6.34E-03	8.01E-03	6.19E-04	1.66E-02	1.48E-03	6.85E-09	1.07E-04	1.69E-05	1.60E-03	1.88E-03	6.34E-03	8.01E-03	6.19E-04	1.69E-02
1790	495311.06	3859051.99	0.39879	0.21062	1.2454	0.19454	1.61E-03	6.28E-03	7.94E-03	6.14E-04	1.65E-02	1.47E-03	6.79E-09	1.06E-04	1.68E-05	1.59E-03	1.86E-03	6.28E-03	7.94E-03	6.14E-04	1.67E-02
1791	495361.06	3859051.99	0.3981	0.20973	1.2437	0.19349	1.61E-03	6.26E-03	7.93E-03	6.11E-04	1.64E-02	1.46E-03	6.76E-09	1.06E-04	1.67E-05	1.59E-03	1.86E-03	6.26E-03	7.93E-03	6.11E-04	1.67E-02
1792	495411.06	3859051.99	0.39859	0.20961	1.2482	0.19372	1.61E-03	6.25E-03	7.96E-03	6.12E-04	1.64E-02	1.47E-03	6.76E-09	1.06E-04	1.67E-05	1.59E-03	1.86E-03	6.25E-03	7.96E-03	6.12E-04	1.67E-02
1793	495461.06	3859051.99	0.39865	0.2094	1.2508	0.19372	1.61E-03	6.25E-03	7.98E-03	6.12E-04	1.64E-02	1.47E-03	6.75E-09	1.06E-04	1.67E-05	1.59E-03	1.86E-03	6.25E-03	7.98E-03	6.12E-04	1.67E-02
1794	495511.06	3859051.99	0.39226	0.20583	1.2225	0.18802	1.59E-03	6.14E-03	7.80E-03	5.94E-04	1.61E-02	1.44E-03	6.63E-09	1.04E-04	1.62E-05	1.56E-03	1.83E-03	6.14E-03	7.80E-03	5.94E-04	1.64E-02
1795	495561.06	3859051.99	0.38737	0.20317	1.2013	0.18622	1.57E-03	6.06E-03	7.66E-03	5.88E-04	1.59E-02	1.42E-03	6.55E-09	1.02E-04	1.60E-05	1.54E-03	1.81E-03	6.06E-03	7.66E-03	5.88E-04	1.61E-02
1796	495611.06	3859051.99	0.38284	0.20087	1.1826	0.18514	1.55E-03	5.99E-03	7.54E-03	5.85E-04	1.57E-02	1.41E-03	6.47E-09	1.01E-04	1.59E-05	1.52E-03	1.79E-03	5.99E-03	7.54E-03	5.85E-04	1.59E-02
1797	495661.06	3859051.99	0.38435	0.20226	1.1934	0.1863	1.55E-03	6.03E-03	7.61E-03	5.88E-04	1.58E-02	1.41E-03	6.52E-09	1.01E-04	1.60E-05	1.53E-03	1.80E-03	6.03E-03	7.61E-03	5.88E-04	1.60E-02
1798	494311.06	3859101.99	0.5495	0.31615	1.5314	0.26071	2.22E-03	9.43E-03	9.77E-03	8.23E-04	2.22E-02	2.02E-03	1.02E-08	1.30E-04	2.24E-05	2.17E-03	2.57E-03	9.43E-03	9.77E-03	8.23E-04	2.26E-02
1799	494361.06	3859101.99	0.54795	0.31371	1.474	0.25399	2.21E-03	9.36E-03	9.40E-03	8.02E-04	2.18E-02	2.01E-03	1.01E-08	1.25E-04	2.19E-05	2.16E-03	2.56E-03	9.36E-03	9.40E-03	8.02E-04	2.21E-02
1800	494411.06	3859101.99	0.55216	0.31103	1.4538	0.24773	2.23E-03	9.28E-03	9.27E-03	7.82E-04	2.16E-02	2.03E-03	1.00E-08	1.24E-04	2.13E-05	2.17E-03	2.58E-03	9.28E-03	9.27E-03	7.82E-04	2.19E-02
1801	494461.06	3859101.99	0.55092	0.30386	1.4966	0.24431	2.23E-03	9.07E-03	9.55E-03	7.71E-04	2.16E-02	2.03E-03	9.79E-09	1.27E-04	2.10E-05	2.17E-03	2.58E-03	9.07E-03	9.55E-03	7.71E-04	2.20E-02
1802	494511.06	3859101.99	0.54118	0.29543	1.5283	0.24582	2.19E-03	8.81E-03	9.75E-03	7.76E-04	2.15E-02	1.99E-03	9.52E-09	1.30E-04	2.12E-05	2.14E-03	2.53E-03	8.81E-03	9.75E-03	7.76E-04	2.19E-02
1803	494561.06	3859101.99	0.53562	0.28961	1.5618	0.246	2.17E-03	8.64E-03	9.96E-03	7.77E-04	2.15E-02	1.97E-03	9.33E-09	1.33E-04	2.12E-05	2.12E-03	2.50E-03	8.64E-03	9.96E-03	7.77E-04	2.19E-02
1804	494611.06	3859101.99	0.52569	0.27946	1.5705	0.24474	2.12E-03	8.34E-03	1.00E-02	7.73E-04	2.13E-02	1.93E-03	9.01E-09	1.34E-04	2.11E-05	2.09E-03	2.46E-03	8.34E-03	1.00E-02	7.73E-04	2.16E-02
1805	494661.06	3859101.99	0.51995	0.27414	1.5451	0.23518	2.10E-03	8.18E-03	9.86E-03	7.43E-04	2.09E-02	1.91E-03	8.84E-09	1.31E-04	2.03E-05	2.06E-03	2.43E-03	8.18E-03	9.86E-03	7.43E-04	2.12E-02
1806	494711.06	3859101.99	0.50138	0.2655	1.51	0.2183	2.03E-03	7.92E-03	9.63E-03	6.89E-04	2.03E-02	1.84E-03	8.56E-09	1.28E-04	1.88E-05	1.99E-03	2.34E-03	7.92E-03	9.63E-03	6.89E-04	2.06E-02
1807	494761.06	3859101.99	0.5021	0.26364	1.4864	0.21484	2.03E-03	7.87E-03	9.48E-03	6.78E-04	2.01E-02	1.85E-03	8.50E-09	1.26E-04	1.85E-05	1.99E-03	2.35E-03	7.87E-03	9.48E-03	6.78E-04	2.04E-02
1808	494811.06	3859101.99	0.49141	0.25897	1.4536	0.20934	1.99E-03	7.73E-03	9.27E-03	6.61E-04	1.96E-02	1.81E-03	8.35E-09	1.24E-04	1.80E-05	1.95E-03	2.30E-03	7.73E-03	9.27E-03	6.61E-04	2.00E-02
1809	494861.06	3859101.99	0.48233	0.25307	1.4364	0.20813	1.95E-03	7.55E-03	9.16E-03	6.57E-04	1.93E-02	1.77E-03	8.16E-09	1.22E-04	1.79E-05	1.91E-03	2.26E-03	7.55E-03	9.16E-03	6.57E-04	1.96E-02
1810	494911.06	3859101.99	0.46472	0.24442	1.4128	0.20647	1.88E-03	7.29E-03	9.01E-03	6.52E-04	1.88E-02	1.71E-03	7.88E-09	1.20E-04	1.78E-05	1.85E-03	2.17E-03	7.29E-03	9.01E-03	6.52E-04	1.91E-02
1811	494961.06	3859101.99	0.43353	0.23159	1.3577	0.20404	1.75E-03	6.91E-03	8.66E-03	6.44E-04	1.80E-02	1.59E-03	7.46E-09	1.15E-04	1.76E-05	1.73E-03	2.03E-03	6.91E-03	8.66E-03	6.44E-04	1.82E-02
1812	495011.06	3859101.99	0.3997	0.21977	1.2878	0.20145	1.62E-03	6.56E-03	8.21E-03	6.36E-04	1.70E-02	1.47E-03	7.08E-09	1.10E-04	1.73E-05	1.60E-03	1.87E-03	6.56E-03	8.21E-03	6.36E-04	1.73E-02
1813	495061.06	3859101.99	0.40567	0.21965	1.3057	0.20124	1.64E-03	6.55E-03	8.33E-03	6.35E-04	1.72E-02	1.49E-03	7.08E-09	1.11E-04	1.73E-05	1.62E-03	1.90E-03	6.55E-03	8.33E-03	6.35E-04	1.74E-02
1814	495111.06	3859101.99	0.40245	0.2167	1.2933	0.19993	1.63E-03	6.46E-03	8.25E-03	6.31E-04	1.70E-02	1.48E-03	6.98E-09	1.10E-04	1.72E-05	1.61E-03	1.88E-03	6.46E-03	8.25E-03	6.31E-04	1.72E-02
1815	495161.06	3859101.99	0.41423	0.21951	1.3143	0.20057	1.67E-03	6.55E-03	8.38E-03	6.33E-04	1.72E-02	1.52E-03	7.07E-09	1.12E-04	1.73E-05	1.65E-03	1.94E-03	6.55E-03	8.38E-03	6.33E-04	1.75E-02
1816	495211.06	3859101.99	0.41107	0.21765	1.258	0.19912	1.66E-03	6.49E-03	8.02E-03	6.29E-04	1.68E-02	1.51E-03	7.01E-09	1.07E-04	1.71E-05	1.64E-03	1.92E-03	6.49E-03	8.02E-03	6.29E-04	1.71E-02
1817	495261.06	3859101.99	0.41668	0.21867	1.2703	0.19868	1.68E-03	6.52E-03	8.10E-03	6.27E-04	1.69E-02	1.53E-03	7.05E-09	1.08E-04	1.71E-05	1.66E-03	1.95E-03	6.52E-03	8.10E-03	6.27E-04	1.72E-02
1818	495311.06	3859101.99	0.41944	0.21597	1.2867	0.1982	1.70E-03	6.44E-03	8.21E-03	6.26E-04	1.70E-02	1.54E-03	6.96E-09	1.09E-04	1.71E-05	1.67E-03	1.96E-03	6.44E-03	8.21E-03	6.26E-04	1.72E-02
1819	495361.06	3859101.99	0.42404	0.21961	1.285	0.19787	1.71E-03	6.55E-03	8.20E-03	6.25E-04	1.71E-02	1.56E-03	7.08E-09	1.09E-04	1.70E-05	1.69E-03	1.98E-03	6.55E-03	8.20E-03	6.25E-04	1.74E-02
1820	495411.06	3859101.99	0.42375	0.21929	1.2887	0.19748	1.71E-03	6.54E-03	8.22E-03	6.24E-04	1.71E-02	1.56E-03	7.07E-09	1.10E-04	1.70E-05	1.68E-03	1.98E-03	6.54E-03	8.22E-03	6.24E-04	1.74E-02
1821	495461.06	3859101.99	0.41658	0.21464	1.2964	0.19708	1.68E-03	6.40E-03	8.27E-03	6.22E-04	1.70E-02	1.53E-03	6.92E-09	1.10E-04	1.70E-05	1.66E-03	1.95E-03	6.40E-03	8.27E-03	6.22E-04	1.72E-02
1822	495511.06	3859101.99	0.41093	0.21333	1.293	0.19675	1.66E-03	6.36E-03	8.25E-03	6.21E-04	1.69E-02	1.51E-03	6.88E-09	1.10E-04	1.69E-05	1.64E-03	1.92E-03	6.36E-03	8.25E-03	6.21E-04	1.72E-02
1823	495561.06	3859101.99	0.40451	0.21258	1.2616	0.19147	1.64E-03	6.34E-03	8.05E-03	6.05E-04	1.66E-02	1.49E-03	6.85E-09	1.07E-04	1.65E-05	1.61E-03	1.89E-03	6.34E-03	8.05E-03	6.05E-04	1.69E-02
1824	495611.06	3859101.99	0.39997	0.20959	1.244	0.1893	1.62E-03	6.25E-03	7.93E-03	5.98E-04	1.64E-02	1.47E-03	6.76E-09	1.06E-04	1.63E-05	1.59E-03	1.87E-03	6.25E-03	7.93E-03	5.98E-04	1.67E-02
1825	495661.06	3859101.99	0.39981	0.21049	1.2478	0.18933	1.62E-03	6.28E-03	7.96E-03	5.98E-04	1.65E-02	1.47E-03	6.78E-09	1.06E-04	1.63E-05	1.59E-03	1.87E-03	6.28E-03	7.96E-03	5.98E-04	1.67E-02
1826	494311.06	3859151.99	0.5696	0.33733	1.6655	0.28083	2.30E-03	1.01E-02	1.06E-02	8.87E-04	2.39E-02	2.09E-03	1.09E-08	1.42E-04	2.42E-05	2.26E-03	2.66E-03	1.01E-02	1.06E-02	8.87E-04	2.42E-02

1827	494361.06	3859151.99	0.57936	0.33441	1.6608	0.2758	2.34E-03	9.98E-03	1.06E-02	8.71E-04	2.38E-02	2.13E-03	1.08E-08	1.41E-04	2.37E-05	2.30E-03	2.71E-03	9.98E-03	1.06E-02	8.71E-04	2.42E-02
1828	494411.06	3859151.99	0.56196	0.32489	1.6541	0.26845	2.27E-03	9.69E-03	1.06E-02	8.48E-04	2.34E-02	2.07E-03	1.05E-08	1.41E-04	2.31E-05	2.23E-03	2.63E-03	9.69E-03	1.06E-02	8.48E-04	2.37E-02
1829	494461.06	3859151.99	0.54392	0.31512	1.6066	0.26058	2.20E-03	9.40E-03	1.02E-02	8.23E-04	2.27E-02	2.00E-03	1.02E-08	1.37E-04	2.24E-05	2.16E-03	2.54E-03	9.40E-03	1.02E-02	8.23E-04	2.30E-02
1830	494511.06	3859151.99	0.53668	0.30749	1.5598	0.25087	2.17E-03	9.17E-03	9.95E-03	7.92E-04	2.21E-02	1.97E-03	9.91E-09	1.33E-04	2.16E-05	2.13E-03	2.51E-03	9.17E-03	9.95E-03	7.92E-04	2.24E-02
1831	494561.06	3859151.99	0.53673	0.30153	1.5061	0.24329	2.17E-03	9.00E-03	9.61E-03	7.68E-04	2.15E-02	1.97E-03	9.72E-09	1.28E-04	2.09E-05	2.12E-03	2.51E-03	9.00E-03	9.61E-03	7.68E-04	2.19E-02
1832	494611.06	3859151.99	0.52861	0.29174	1.454	0.23872	2.14E-03	8.70E-03	9.27E-03	7.54E-04	2.09E-02	1.94E-03	9.40E-09	1.24E-04	2.06E-05	2.09E-03	2.47E-03	8.70E-03	9.27E-03	7.54E-04	2.12E-02
1833	494661.06	3859151.99	0.52613	0.28789	1.3986	0.23826	2.13E-03	8.59E-03	8.92E-03	7.52E-04	2.04E-02	1.93E-03	9.28E-09	1.19E-04	2.05E-05	2.07E-03	2.46E-03	8.59E-03	8.92E-03	7.52E-04	2.07E-02
1834	494711.06	3859151.99	0.52353	0.28485	1.3432	0.2373	2.12E-03	8.50E-03	8.57E-03	7.49E-04	1.99E-02	1.92E-03	9.18E-09	1.14E-04	2.04E-05	2.06E-03	2.45E-03	8.50E-03	8.57E-03	7.49E-04	2.03E-02
1835	494761.06	3859151.99	0.51049	0.27861	1.334	0.22242	2.06E-03	8.31E-03	8.51E-03	7.02E-04	1.96E-02	1.88E-03	8.98E-09	1.13E-04	1.92E-05	2.01E-03	2.39E-03	8.31E-03	8.51E-03	7.02E-04	1.99E-02
1836	494811.06	3859151.99	0.49876	0.27184	1.3429	0.2144	2.02E-03	8.11E-03	8.57E-03	6.77E-04	1.94E-02	1.83E-03	8.76E-09	1.14E-04	1.85E-05	1.97E-03	2.33E-03	8.11E-03	8.57E-03	6.77E-04	1.97E-02
1837	494861.06	3859151.99	0.49364	0.26658	1.3651	0.21353	2.00E-03	7.95E-03	8.71E-03	6.74E-04	1.93E-02	1.81E-03	8.59E-09	1.16E-04	1.84E-05	1.95E-03	2.31E-03	7.95E-03	8.71E-03	6.74E-04	1.96E-02
1838	494911.06	3859151.99	0.47525	0.25621	1.3468	0.21125	1.92E-03	7.64E-03	8.59E-03	6.67E-04	1.88E-02	1.75E-03	8.26E-09	1.15E-04	1.82E-05	1.88E-03	2.22E-03	7.64E-03	8.59E-03	6.67E-04	1.91E-02
1839	494961.06	3859151.99	0.44746	0.2404	1.3105	0.20905	1.81E-03	7.17E-03	8.36E-03	6.60E-04	1.80E-02	1.65E-03	7.75E-09	1.11E-04	1.80E-05	1.77E-03	2.09E-03	7.17E-03	8.36E-03	6.60E-04	1.83E-02
1840	495011.06	3859151.99	0.41825	0.23051	1.2372	0.20603	1.69E-03	6.88E-03	7.89E-03	6.51E-04	1.71E-02	1.54E-03	7.43E-09	1.05E-04	1.77E-05	1.66E-03	1.96E-03	6.88E-03	7.89E-03	6.51E-04	1.74E-02
1841	495061.06	3859151.99	0.42145	0.22941	1.2527	0.20553	1.70E-03	6.84E-03	7.99E-03	6.49E-04	1.72E-02	1.55E-03	7.39E-09	1.07E-04	1.77E-05	1.67E-03	1.97E-03	6.84E-03	7.99E-03	6.49E-04	1.75E-02
1842	495111.06	3859151.99	0.42111	0.22718	1.2754	0.20482	1.70E-03	6.78E-03	8.13E-03	6.47E-04	1.73E-02	1.55E-03	7.32E-09	1.08E-04	1.76E-05	1.67E-03	1.97E-03	6.78E-03	8.13E-03	6.47E-04	1.75E-02
1843	495161.06	3859151.99	0.43404	0.22985	1.3234	0.20498	1.75E-03	6.86E-03	8.44E-03	6.47E-04	1.77E-02	1.60E-03	7.41E-09	1.13E-04	1.77E-05	1.73E-03	2.03E-03	6.86E-03	8.44E-03	6.47E-04	1.80E-02
1844	495211.06	3859151.99	0.43424	0.22873	1.3031	0.20434	1.76E-03	6.82E-03	8.31E-03	6.45E-04	1.75E-02	1.60E-03	7.37E-09	1.11E-04	1.76E-05	1.72E-03	2.03E-03	6.82E-03	8.31E-03	6.45E-04	1.78E-02
1845	495261.06	3859151.99	0.43455	0.22775	1.3111	0.20373	1.76E-03	6.79E-03	8.36E-03	6.43E-04	1.76E-02	1.60E-03	7.34E-09	1.12E-04	1.75E-05	1.73E-03	2.03E-03	6.79E-03	8.36E-03	6.43E-04	1.78E-02
1846	495311.06	3859151.99	0.43598	0.22744	1.3212	0.20322	1.76E-03	6.79E-03	8.43E-03	6.42E-04	1.76E-02	1.60E-03	7.33E-09	1.12E-04	1.75E-05	1.73E-03	2.04E-03	6.79E-03	8.43E-03	6.42E-04	1.79E-02
1847	495361.06	3859151.99	0.43599	0.22663	1.328	0.20199	1.76E-03	6.76E-03	8.47E-03	6.38E-04	1.76E-02	1.60E-03	7.30E-09	1.13E-04	1.74E-05	1.73E-03	2.04E-03	6.76E-03	8.47E-03	6.38E-04	1.79E-02
1848	495411.06	3859151.99	0.44581	0.23014	1.3534	0.20266	1.80E-03	6.87E-03	8.63E-03	6.40E-04	1.79E-02	1.64E-03	7.42E-09	1.15E-04	1.75E-05	1.77E-03	2.08E-03	6.87E-03	8.63E-03	6.40E-04	1.82E-02
1849	495461.06	3859151.99	0.44756	0.22958	1.3596	0.20118	1.81E-03	6.85E-03	8.67E-03	6.35E-04	1.80E-02	1.65E-03	7.40E-09	1.16E-04	1.73E-05	1.78E-03	2.09E-03	6.85E-03	8.67E-03	6.35E-04	1.82E-02
1850	495511.06	3859151.99	0.44123	0.22511	1.3472	0.19713	1.78E-03	6.72E-03	8.59E-03	6.22E-04	1.77E-02	1.62E-03	7.26E-09	1.15E-04	1.70E-05	1.75E-03	2.06E-03	6.72E-03	8.59E-03	6.22E-04	1.80E-02
1851	495561.06	3859151.99	0.43488	0.22266	1.2921	0.19401	1.76E-03	6.64E-03	8.24E-03	6.13E-04	1.73E-02	1.60E-03	7.18E-09	1.10E-04	1.67E-05	1.73E-03	2.03E-03	6.64E-03	8.24E-03	6.13E-04	1.75E-02
1852	495611.06	3859151.99	0.42613	0.22089	1.271	0.19216	1.72E-03	6.59E-03	8.11E-03	6.07E-04	1.70E-02	1.57E-03	7.12E-09	1.08E-04	1.65E-05	1.69E-03	1.99E-03	6.59E-03	8.11E-03	6.07E-04	1.73E-02
1853	495661.06	3859151.99	0.42169	0.2196	1.2684	0.19199	1.70E-03	6.55E-03	8.09E-03	6.06E-04	1.70E-02	1.55E-03	7.08E-09	1.08E-04	1.65E-05	1.67E-03	1.97E-03	6.55E-03	8.09E-03	6.06E-04	1.72E-02
1854	494311.06	3859201.99	0.5996	0.35179	1.6255	0.29471	2.42E-03	1.05E-02	1.04E-02	9.31E-04	2.42E-02	2.20E-03	1.13E-08	1.38E-04	2.54E-05	2.37E-03	2.80E-03	1.05E-02	1.04E-02	9.31E-04	2.46E-02
1855	494361.06	3859201.99	0.58396	0.34615	1.5988	0.29027	2.36E-03	1.03E-02	1.02E-02	9.16E-04	2.38E-02	2.15E-03	1.12E-08	1.36E-04	2.50E-05	2.31E-03	2.73E-03	1.03E-02	1.02E-02	9.16E-04	2.42E-02
1856	494411.06	3859201.99	0.5668	0.34092	1.6045	0.28496	2.29E-03	1.02E-02	1.02E-02	9.00E-04	2.36E-02	2.08E-03	1.10E-08	1.36E-04	2.45E-05	2.24E-03	2.65E-03	1.02E-02	1.02E-02	9.00E-04	2.40E-02
1857	494461.06	3859201.99	0.55946	0.33165	1.6098	0.27802	2.26E-03	9.89E-03	1.03E-02	8.78E-04	2.33E-02	2.06E-03	1.07E-08	1.37E-04	2.39E-05	2.22E-03	2.62E-03	9.89E-03	1.03E-02	8.78E-04	2.37E-02
1858	494511.06	3859201.99	0.56352	0.3266	1.6111	0.27179	2.28E-03	9.74E-03	1.03E-02	8.58E-04	2.32E-02	2.07E-03	1.05E-08	1.37E-04	2.34E-05	2.23E-03	2.64E-03	9.74E-03	1.03E-02	8.58E-04	2.35E-02
1859	494561.06	3859201.99	0.54114	0.31598	1.6112	0.26292	2.19E-03	9.43E-03	1.03E-02	8.30E-04	2.27E-02	1.99E-03	1.02E-08	1.37E-04	2.26E-05	2.15E-03	2.53E-03	9.43E-03	1.03E-02	8.30E-04	2.31E-02
1860	494611.06	3859201.99	0.52324	0.30852	1.6079	0.25464	2.12E-03	9.20E-03	1.03E-02	8.04E-04	2.24E-02	1.92E-03	9.94E-09	1.37E-04	2.19E-05	2.08E-03	2.45E-03	9.20E-03	1.03E-02	8.04E-04	2.27E-02
1861	494661.06	3859201.99	0.5228	0.3033	1.6025	0.24705	2.11E-03	9.05E-03	1.02E-02	7.80E-04	2.22E-02	1.92E-03	9.78E-09	1.36E-04	2.13E-05	2.08E-03	2.44E-03	9.05E-03	1.02E-02	7.80E-04	2.25E-02
1862	494711.06	3859201.99	0.52152	0.29806	1.5865	0.2401	2.11E-03	8.89E-03	1.01E-02	7.58E-04	2.19E-02	1.92E-03	9.61E-09	1.35E-04	2.07E-05	2.07E-03	2.44E-03	8.89E-03	1.01E-02	7.58E-04	2.22E-02
1863	494761.06	3859201.99	0.51155	0.2896	1.5353	0.22811	2.07E-03	8.64E-03	9.79E-03	7.20E-04	2.12E-02	1.88E-03	9.33E-09	1.31E-04	1.96E-05	2.03E-03	2.39E-03	8.64E-03	9.79E-03	7.20E-04	2.15E-02
1864	494811.06	3859201.99	0.50678	0.28418	1.4795	0.22233	2.05E-03	8.48E-03	9.44E-03	7.02E-04	2.07E-02	1.86E-03	9.16E-09	1.26E-04	1.91E-05	2.01E-03	2.37E-03	8.48E-03	9.44E-03	7.02E-04	2.10E-02
1865	494861.06	3859201.99	0.49282	0.27379	1.4239	0.21872	1.99E-03	8.17E-03	9.08E-03	6.91E-04	1.99E-02	1.81E-03	8.82E-09	1.21E-04	1.88E-05	1.95E-03	2.30E-03	8.17E-03	9.08E-03	6.91E-04	2.02E-02
1866	494911.06	3859201.99	0.47323	0.26335	1.3514	0.21582	1.91E-03	7.86E-03	8.62E-03	6.81E-04	1.91E-02	1.74E-03	8.49E-09	1.15E-04	1.86E-05	1.87E-03	2.21E-03	7.86E-03	8.62E-03	6.81E-04	1.94E-02
1867	494961.06	3859201.99	0.45135	0.24936	1.274	0.21331	1.82E-03	7.44E-03	8.13E-03	6.73E-04	1.81E-02	1.66E-03	8.04E-09	1.08E-04	1.84E-05	1.79E-03	2.11E-03	7.44E-03	8.13E-03	6.73E-04	1.83E-02
1868	495011.06	3859201.99	0.41801	0.23502	1.2498	0.20761	1.69E-03	7.01E-03	7.97E-03	6.56E-04	1.73E-02	1.54E-03	7.57E-09	1.06E-04	1.79E-05	1.66E-03	1.95E-03	7.01E-03	7.97E-03	6.56E-04	1.76E-02
1869	495061.06	3859201.99	0.44014	0.23952	1.2298	0.20999	1.78E-03	7.15E-03	7.84E-03	6.63E-04	1.74E-02	1.62E-03	7.72E-09	1.05E-04	1.81E-05	1.74E-03	2.06E-03	7.15E-03	7.84E-03	6.63E-04	1.77E-02
1870	495111.06	3859201.99	0.4464	0.2404	1.2115	0.20883	1.80E-03	7.17E-03	7.73E-03	6.59E-04	1.74E-02	1.64E-03	7.75E-09	1.03E-04	1.80E-05	1.76E-03	2.09E-03	7.17E-03	7.73E-03	6.59E-04	1.76E-02
1871	495161.06	3859201.99	0.45013	0.24029	1.214	0.20722	1.82E-03	7.17E-03	7.74E-03	6.54E-04	1.74E-02	1.65E-03	7.74E-09	1.03E-04	1.78E-05	1.78E-03	2.11E-03	7.17E-03	7.74E-03	6.54E-04	1.77E-02
1872	495211.06	3859201.99	0.44758	0.23741	1.222	0.20437	1.81E-03	7.08E-03	7.79E-03	6.45E-04	1.73E-02	1.65E-03	7.65E-09	1.04E-04	1.76E-05	1.77E-03	2.09E-03	7.08E-03	7.79E-03	6.45E-04	1.76E-02
1873	495261.06	3859201.99	0.45334	0.23837	1.2436	0.20334	1.83E-03	7.11E-03	7.93E-03	6.42E-04	1.75E-02	1.67E-03	7.68E-09	1.06E-04	1.75E-05	1.79E-03	2.12E-03	7.11E-03	7.93E-03	6.42E-04	1.78E-02
1874	495311.06	3859201.99	0.45563	0.23808	1.2766	0.20166	1.84E-03	7.10E-03	8.14E-03	6.37E-04	1.77E-02	1.68E-03	7.67E-09	1.09E-04	1.74E-05	1.80E-03	2.13E-03	7.10E-03	8.14E-03	6.37E-04	1.80E-02
1875	495361.06	3859201.99	0.45896	0.23835	1.3206	0.20026	1.86E-03	7.11E-03	8.42E-03	6.32E-04	1.80E-02	1.69E-03	7.68E-09	1.12E-04	1.72E-05	1.82E-03	2.15E-03	7.11E-03	8.42E-03	6.32E-04	1.83E-02
1876	495411.06	3859201.99	0.46723	0.2411	1.3375	0.19984	1.89E-03	7.19E-03	8.53E-03	6.31E-04	1.82E-02	1.72E-03	7.77E-09	1.14E-04	1.72E-05	1.85E-03	2.19E-03	7.19E-03	8.53E-03	6.31E-04	1.85E-02
1877	495461.06	3859201.99	0.46577	0.23941	1.3161	0.19768	1.88E-03	7.14E-03	8.39E-03	6.24E-04	1.80E-02	1.71E-03	7.72E-09	1.12E-04	1.70E-05	1.84E-03	2.18E-03	7.14E-03	8.39E-03	6.24E-04	1.83E-02
1878	495511.06	3859201.99	0.4641	0.23778	1.3161	0.1965	1.88E-03	7.09E-03	8.39E-03	6.20E-04	1.80E-02	1.71E-03	7.66E-09	1.12E-04	1.69E-05	1.84E-03	2.17E-03	7.09E-03	8.39E-03	6.20E-04	1.83E-02
1879	495561.06	3859201.99	0.45435	0.23414	1.3089	0.19578	1.84E-03	6.99E-03	8.35E-03	6.18E-04	1.78E-02	1.67E-03	7.55E-09	1.11E-04	1.69E-05	1.80E-03	2.12E-03	6.99E-03	8.35E-03	6.18E-04	1.81E-02
1880	495611.06	3859201.99	0.44959	0.23223	1.3075	0.19528	1.82E-03	6.93E-03	8.34E-03	6.17E-04	1.77E-02	1.65E-03	7.48E-09	1.11E-04	1.68E-05	1.78E-03	2.10E-03	6.93E-03	8.34E-03	6.17E-04	1.80E-02
1881	495661.06	3859201.99	0.44895	0.23127	1.3111	0.19488	1.81E-03	6.90E-03	8.36E-03	6.15E-04	1.77E-02	1.65E-03	7.45E-09	1.12E-04	1.68E-05	1.78E-03	2.10E-03	6.90E-03	8.36E-03	6.15E-04	1.80E-02
1882	494311.06	3859251.99	0.61408	0.37132	1.585	0.31152	2.48E-03	1.11E-02	1.01E-02	9.84E-04	2.47E-02	2.26E-03	1.20E-08	1.35E-04	2.68E-05	2.42E-03	2.87E-03	1.11E-02	1.01E-02	9.84E-04	2.50E-02
1883	494361.06	3859251.99	0.60924	0.36493	1.5513	0.30701	2.46E-03	1.09E-02	9.89E-03	9.69E-04	2.42E-02	2.24E-03	1.18E-08	1.32E-04	2.64E-05	2.40E-03	2.85E-03	1.09E-02	9.89E-03	9.69E-04	2.46E-02
1884	494411.06	3859251.99	0.60019	0.35475	1.5125	0.2992	2.43E-03	1.06E-02	9.65E-03	9.45E-04	2.36E-02	2.21E-03	1.14E-08	1.29E-04	2.58E-05	2.36E-03	2.81E-03	1.06E-02	9.65E-03	9.45E-04	2.40E-02
1885	494461.06	3859251.99	0.58774	0.34941	1.5273	0.29226	2.38E-03	1.04E-02	9.74E-03	9.23E-04	2.35E-02	2.16E-03	1.13E-08	1.30E-04	2.52E-05	2.32E-03	2.75E-03	1.04E-02	9.74E-03	9.23E-04	2.38E-02
1886	494511.06	3859251.99	0.55858	0.33828	1.5404	0.28269	2.26E-03	1.01E-02	9.83E-03	8.93E-04	2.31E-02	2.05E-03	1.09E-08	1.31E-04	2.43E-05	2.21E-03	2.61E-03	1.01E-02	9.83E-03	8.93E-04	2.34E-02
1887	494561.06	3859251.99	0.5488	0.33229	1.5547	0.27535	2.22E-03	9.91E-03	9.92E-03	8.69E-04	2.29E-02	2.02E-03	1.07E-08	1.32E-04	2.37E-05	2.17E-03	2.57E-03	9.91E-03	9.92E-03	8.69E-04	2.33E-02

1888	494611.06	3859251.99	0.53813	0.32342	1.552	0.26697	2.18E-03	9.65E-03	9.90E-03	8.43E-04	2.26E-02	1.98E-03	1.04E-08	1.32E-04	2.30E-05	2.13E-03	2.52E-03	9.65E-03	9.90E-03	8.43E-04	2.29E-02
1889	494661.06	3859251.99	0.5423	0.3201	1.5558	0.26256	2.19E-03	9.55E-03	9.92E-03	8.29E-04	2.25E-02	1.99E-03	1.03E-08	1.32E-04	2.26E-05	2.15E-03	2.54E-03	9.55E-03	9.92E-03	8.29E-04	2.28E-02
1890	494711.06	3859251.99	0.5254	0.31432	1.558	0.25722	2.12E-03	9.38E-03	9.94E-03	8.12E-04	2.23E-02	1.93E-03	1.01E-08	1.33E-04	2.21E-05	2.09E-03	2.46E-03	9.38E-03	9.94E-03	8.12E-04	2.26E-02
1891	494761.06	3859251.99	0.49578	0.29287	1.5581	0.24718	2.00E-03	8.74E-03	9.94E-03	7.80E-04	2.15E-02	1.82E-03	9.44E-09	1.33E-04	2.13E-05	1.98E-03	2.32E-03	8.74E-03	9.94E-03	7.80E-04	2.18E-02
1892	494811.06	3859251.99	0.50117	0.29513	1.5544	0.24002	2.03E-03	8.80E-03	9.91E-03	7.58E-04	2.15E-02	1.84E-03	9.51E-09	1.32E-04	2.07E-05	2.00E-03	2.34E-03	8.80E-03	9.91E-03	7.58E-04	2.18E-02
1893	494861.06	3859251.99	0.48965	0.27857	1.5476	0.22809	1.98E-03	8.31E-03	9.87E-03	7.20E-04	2.09E-02	1.80E-03	8.98E-09	1.32E-04	1.96E-05	1.95E-03	2.29E-03	8.31E-03	9.87E-03	7.20E-04	2.12E-02
1894	494911.06	3859251.99	0.48021	0.26824	1.5267	0.2177	1.94E-03	8.00E-03	9.74E-03	6.87E-04	2.04E-02	1.77E-03	8.65E-09	1.30E-04	1.87E-05	1.91E-03	2.25E-03	8.00E-03	9.74E-03	6.87E-04	2.07E-02
1895	494961.06	3859251.99	0.47271	0.26161	1.5146	0.21049	1.91E-03	7.80E-03	9.66E-03	6.65E-04	2.00E-02	1.74E-03	8.43E-09	1.29E-04	1.81E-05	1.88E-03	2.21E-03	7.80E-03	9.66E-03	6.65E-04	2.03E-02
1896	495011.06	3859251.99	0.45932	0.25395	1.4721	0.20727	1.86E-03	7.58E-03	9.39E-03	6.54E-04	1.95E-02	1.69E-03	8.18E-09	1.25E-04	1.78E-05	1.83E-03	2.15E-03	7.58E-03	9.39E-03	6.54E-04	1.98E-02
1897	495061.06	3859251.99	0.46187	0.25611	1.4246	0.20585	1.87E-03	7.64E-03	9.09E-03	6.50E-04	1.92E-02	1.70E-03	8.25E-09	1.21E-04	1.77E-05	1.84E-03	2.16E-03	7.64E-03	9.09E-03	6.50E-04	1.95E-02
1898	495111.06	3859251.99	0.46278	0.2544	1.3707	0.20361	1.87E-03	7.59E-03	8.74E-03	6.43E-04	1.88E-02	1.70E-03	8.20E-09	1.17E-04	1.75E-05	1.84E-03	2.16E-03	7.59E-03	8.74E-03	6.43E-04	1.91E-02
1899	495161.06	3859251.99	0.46692	0.25448	1.321	0.20176	1.89E-03	7.59E-03	8.43E-03	6.37E-04	1.85E-02	1.72E-03	8.20E-09	1.12E-04	1.74E-05	1.85E-03	2.18E-03	7.59E-03	8.43E-03	6.37E-04	1.88E-02
1900	495211.06	3859251.99	0.4662	0.25139	1.2679	0.2	1.88E-03	7.50E-03	8.09E-03	6.31E-04	1.81E-02	1.71E-03	8.10E-09	1.08E-04	1.72E-05	1.84E-03	2.18E-03	7.50E-03	8.09E-03	6.31E-04	1.84E-02
1901	495261.06	3859251.99	0.47121	0.24885	1.2282	0.19995	1.90E-03	7.42E-03	7.83E-03	6.31E-04	1.78E-02	1.73E-03	8.02E-09	1.04E-04	1.72E-05	1.85E-03	2.20E-03	7.42E-03	7.83E-03	6.31E-04	1.81E-02
1902	495311.06	3859251.99	0.47645	0.25049	1.1973	0.19942	1.93E-03	7.47E-03	7.64E-03	6.30E-04	1.77E-02	1.75E-03	8.07E-09	1.02E-04	1.72E-05	1.87E-03	2.23E-03	7.47E-03	7.64E-03	6.30E-04	1.80E-02
1903	495361.06	3859251.99	0.47782	0.24902	1.1846	0.19891	1.93E-03	7.43E-03	7.56E-03	6.28E-04	1.75E-02	1.76E-03	8.03E-09	1.01E-04	1.71E-05	1.87E-03	2.23E-03	7.43E-03	7.56E-03	6.28E-04	1.78E-02
1904	495411.06	3859251.99	0.48536	0.25117	1.2097	0.19884	1.96E-03	7.49E-03	7.72E-03	6.28E-04	1.78E-02	1.78E-03	8.10E-09	1.03E-04	1.71E-05	1.90E-03	2.27E-03	7.49E-03	7.72E-03	6.28E-04	1.81E-02
1905	495461.06	3859251.99	0.48529	0.2495	1.224	0.19827	1.96E-03	7.44E-03	7.81E-03	6.26E-04	1.78E-02	1.78E-03	8.04E-09	1.04E-04	1.71E-05	1.91E-03	2.27E-03	7.44E-03	7.81E-03	6.26E-04	1.81E-02
1906	495511.06	3859251.99	0.47721	0.24379	1.2263	0.19717	1.93E-03	7.27E-03	7.82E-03	6.23E-04	1.76E-02	1.75E-03	7.86E-09	1.04E-04	1.70E-05	1.88E-03	2.23E-03	7.27E-03	7.82E-03	6.23E-04	1.79E-02
1907	495561.06	3859251.99	0.4744	0.24116	1.2472	0.19648	1.92E-03	7.19E-03	7.96E-03	6.20E-04	1.77E-02	1.74E-03	7.77E-09	1.06E-04	1.69E-05	1.87E-03	2.22E-03	7.19E-03	7.96E-03	6.20E-04	1.80E-02
1908	495611.06	3859251.99	0.46713	0.23792	1.2598	0.19592	1.89E-03	7.10E-03	8.04E-03	6.19E-04	1.76E-02	1.72E-03	7.67E-09	1.07E-04	1.69E-05	1.84E-03	2.18E-03	7.10E-03	8.04E-03	6.19E-04	1.79E-02
1909	495661.06	3859251.99	0.46363	0.23645	1.2835	0.19563	1.87E-03	7.05E-03	8.19E-03	6.18E-04	1.77E-02	1.70E-03	7.62E-09	1.09E-04	1.68E-05	1.83E-03	2.17E-03	7.05E-03	8.19E-03	6.18E-04	1.80E-02
1910	494311.06	3859301.99	0.61754	0.39599	1.4483	0.31039	2.50E-03	1.18E-02	9.24E-03	9.80E-04	2.45E-02	2.27E-03	1.28E-08	1.23E-04	2.67E-05	2.42E-03	2.89E-03	1.18E-02	9.24E-03	9.80E-04	2.49E-02
1911	494361.06	3859301.99	0.61414	0.38665	1.4364	0.307	2.48E-03	1.15E-02	9.16E-03	9.69E-04	2.41E-02	2.26E-03	1.25E-08	1.22E-04	2.64E-05	2.41E-03	2.87E-03	1.15E-02	9.16E-03	9.69E-04	2.45E-02
1912	494411.06	3859301.99	0.60796	0.3755	1.424	0.30166	2.46E-03	1.12E-02	9.08E-03	9.52E-04	2.37E-02	2.24E-03	1.21E-08	1.21E-04	2.60E-05	2.38E-03	2.84E-03	1.12E-02	9.08E-03	9.52E-04	2.41E-02
1913	494461.06	3859301.99	0.60061	0.3649	1.4403	0.29644	2.43E-03	1.09E-02	9.19E-03	9.36E-04	2.34E-02	2.21E-03	1.18E-08	1.22E-04	2.55E-05	2.36E-03	2.81E-03	1.09E-02	9.19E-03	9.36E-04	2.38E-02
1914	494511.06	3859301.99	0.59367	0.35611	1.479	0.29307	2.40E-03	1.06E-02	9.43E-03	9.25E-04	2.34E-02	2.18E-03	1.15E-08	1.26E-04	2.52E-05	2.33E-03	2.78E-03	1.06E-02	9.43E-03	9.25E-04	2.38E-02
1915	494561.06	3859301.99	0.58393	0.35	1.5175	0.28941	2.36E-03	1.04E-02	9.68E-03	9.14E-04	2.34E-02	2.15E-03	1.13E-08	1.29E-04	2.49E-05	2.30E-03	2.73E-03	1.04E-02	9.68E-03	9.14E-04	2.38E-02
1916	494611.06	3859301.99	0.56587	0.34283	1.5558	0.28493	2.29E-03	1.02E-02	9.92E-03	9.00E-04	2.33E-02	2.08E-03	1.10E-08	1.32E-04	2.45E-05	2.24E-03	2.65E-03	1.02E-02	9.92E-03	9.00E-04	2.37E-02
1917	494661.06	3859301.99	0.5441	0.33586	1.4956	0.27988	2.20E-03	1.00E-02	9.54E-03	8.84E-04	2.26E-02	2.00E-03	1.08E-08	1.27E-04	2.41E-05	2.15E-03	2.54E-03	1.00E-02	9.54E-03	8.84E-04	2.30E-02
1918	494711.06	3859301.99	0.53361	0.32685	1.4787	0.27261	2.16E-03	9.75E-03	9.43E-03	8.61E-04	2.22E-02	1.96E-03	1.05E-08	1.26E-04	2.35E-05	2.11E-03	2.50E-03	9.75E-03	9.43E-03	8.61E-04	2.25E-02
1919	494761.06	3859301.99	0.52192	0.31924	1.4875	0.26419	2.11E-03	9.52E-03	9.49E-03	8.34E-04	2.20E-02	1.92E-03	1.03E-08	1.27E-04	2.27E-05	2.07E-03	2.44E-03	9.52E-03	9.49E-03	8.34E-04	2.23E-02
1920	494811.06	3859301.99	0.51401	0.30766	1.4935	0.25721	2.08E-03	9.18E-03	9.53E-03	8.12E-04	2.16E-02	1.89E-03	9.92E-09	1.27E-04	2.21E-05	2.04E-03	2.40E-03	9.18E-03	9.53E-03	8.12E-04	2.19E-02
1921	494861.06	3859301.99	0.48339	0.28862	1.4857	0.238	1.95E-03	8.61E-03	9.48E-03	7.51E-04	2.08E-02	1.78E-03	9.30E-09	1.26E-04	2.05E-05	1.92E-03	2.26E-03	8.61E-03	9.48E-03	7.51E-04	2.11E-02
1922	494911.06	3859301.99	0.47207	0.28042	1.4933	0.2284	1.91E-03	8.37E-03	9.52E-03	7.21E-04	2.05E-02	1.74E-03	9.04E-09	1.27E-04	1.97E-05	1.88E-03	2.21E-03	8.37E-03	9.52E-03	7.21E-04	2.08E-02
1923	494961.06	3859301.99	0.46332	0.2662	1.4837	0.22368	1.87E-03	7.94E-03	9.46E-03	7.06E-04	2.00E-02	1.70E-03	8.58E-09	1.26E-04	1.93E-05	1.85E-03	2.17E-03	7.94E-03	9.46E-03	7.06E-04	2.03E-02
1924	495011.06	3859301.99	0.46429	0.26168	1.4804	0.22028	1.88E-03	7.81E-03	9.44E-03	6.96E-04	1.98E-02	1.71E-03	8.43E-09	1.26E-04	1.90E-05	1.85E-03	2.17E-03	7.81E-03	9.44E-03	6.96E-04	2.01E-02
1925	495061.06	3859301.99	0.4794	0.26765	1.487	0.2231	1.94E-03	7.98E-03	9.48E-03	7.04E-04	2.01E-02	1.76E-03	8.63E-09	1.26E-04	1.92E-05	1.91E-03	2.24E-03	7.98E-03	9.48E-03	7.04E-04	2.04E-02
1926	495111.06	3859301.99	0.47505	0.26306	1.4799	0.21458	1.92E-03	7.85E-03	9.44E-03	6.78E-04	1.99E-02	1.75E-03	8.48E-09	1.26E-04	1.85E-05	1.89E-03	2.22E-03	7.85E-03	9.44E-03	6.78E-04	2.02E-02
1927	495161.06	3859301.99	0.47333	0.26304	1.4779	0.20939	1.91E-03	7.85E-03	9.43E-03	6.61E-04	1.98E-02	1.74E-03	8.48E-09	1.26E-04	1.80E-05	1.88E-03	2.21E-03	7.85E-03	9.43E-03	6.61E-04	2.01E-02
1928	495211.06	3859301.99	0.48016	0.26405	1.4784	0.20798	1.94E-03	7.88E-03	9.43E-03	6.57E-04	1.99E-02	1.77E-03	8.51E-09	1.26E-04	1.79E-05	1.91E-03	2.25E-03	7.88E-03	9.43E-03	6.57E-04	2.02E-02
1929	495261.06	3859301.99	0.48701	0.26374	1.4634	0.20482	1.97E-03	7.87E-03	9.33E-03	6.47E-04	1.98E-02	1.79E-03	8.50E-09	1.24E-04	1.76E-05	1.93E-03	2.28E-03	7.87E-03	9.33E-03	6.47E-04	2.01E-02
1930	495311.06	3859301.99	0.48341	0.26037	1.4107	0.20035	1.95E-03	7.77E-03	9.00E-03	6.33E-04	1.94E-02	1.78E-03	8.39E-09	1.20E-04	1.73E-05	1.91E-03	2.26E-03	7.77E-03	9.00E-03	6.33E-04	1.97E-02
1931	495361.06	3859301.99	0.49081	0.2606	1.3647	0.20019	1.98E-03	7.77E-03	8.70E-03	6.32E-04	1.91E-02	1.80E-03	8.40E-09	1.16E-04	1.72E-05	1.94E-03	2.30E-03	7.77E-03	8.70E-03	6.32E-04	1.94E-02
1932	495411.06	3859301.99	0.49405	0.26063	1.3173	0.19973	2.00E-03	7.78E-03	8.40E-03	6.31E-04	1.88E-02	1.82E-03	8.40E-09	1.12E-04	1.72E-05	1.95E-03	2.31E-03	7.78E-03	8.40E-03	6.31E-04	1.91E-02
1933	495461.06	3859301.99	0.4982	0.26026	1.2714	0.19936	2.01E-03	7.76E-03	8.11E-03	6.29E-04	1.85E-02	1.83E-03	8.39E-09	1.08E-04	1.72E-05	1.96E-03	2.33E-03	7.76E-03	8.11E-03	6.29E-04	1.88E-02
1934	495511.06	3859301.99	0.49419	0.2558	1.2222	0.19836	2.00E-03	7.63E-03	7.80E-03	6.26E-04	1.81E-02	1.82E-03	8.24E-09	1.04E-04	1.71E-05	1.94E-03	2.31E-03	7.63E-03	7.80E-03	6.26E-04	1.84E-02
1935	495561.06	3859301.99	0.48316	0.24836	1.1699	0.19731	1.95E-03	7.41E-03	7.46E-03	6.23E-04	1.74E-02	1.78E-03	8.00E-09	9.95E-05	1.70E-05	1.89E-03	2.26E-03	7.41E-03	7.46E-03	6.23E-04	1.78E-02
1936	495611.06	3859301.99	0.48129	0.24558	1.155	0.19698	1.95E-03	7.33E-03	7.37E-03	6.22E-04	1.73E-02	1.77E-03	7.92E-09	9.82E-05	1.70E-05	1.88E-03	2.25E-03	7.33E-03	7.37E-03	6.22E-04	1.76E-02
1937	495661.06	3859301.99	0.47881	0.24304	1.1481	0.19664	1.94E-03	7.25E-03	7.32E-03	6.21E-04	1.71E-02	1.76E-03	7.83E-09	9.76E-05	1.69E-05	1.87E-03	2.24E-03	7.25E-03	7.32E-03	6.21E-04	1.74E-02
1938	494311.06	3859351.99	0.61863	0.4142	1.4467	0.30048	2.50E-03	1.24E-02	9.23E-03	9.49E-04	2.50E-02	2.27E-03	1.33E-08	1.23E-04	2.59E-05	2.42E-03	2.89E-03	1.24E-02	9.23E-03	9.49E-04	2.54E-02
1939	494361.06	3859351.99	0.61076	0.40596	1.4436	0.30086	2.47E-03	1.21E-02	9.21E-03	9.50E-04	2.47E-02	2.25E-03	1.31E-08	1.23E-04	2.59E-05	2.39E-03	2.86E-03	1.21E-02	9.21E-03	9.50E-04	2.51E-02
1940	494411.06	3859351.99	0.60653	0.39151	1.441	0.30147	2.45E-03	1.17E-02	9.19E-03	9.52E-04	2.43E-02	2.23E-03	1.26E-08	1.23E-04	2.60E-05	2.38E-03	2.84E-03	1.17E-02	9.19E-03	9.52E-04	2.47E-02
1941	494461.06	3859351.99	0.60219	0.38007	1.4346	0.30596	2.43E-03	1.13E-02	9.15E-03	9.66E-04	2.39E-02	2.21E-03	1.22E-08	1.22E-04	2.63E-05	2.36E-03	2.82E-03	1.13E-02	9.15E-03	9.66E-04	2.43E-02
1942	494511.06	3859351.99	0.59762	0.37095	1.4254	0.30195	2.42E-03	1.11E-02	9.09E-03	9.53E-04	2.35E-02	2.20E-03	1.20E-08	1.21E-04	2.60E-05	2.34E-03	2.79E-03	1.11E-02	9.09E-03	9.53E-04	2.39E-02
1943	494561.06	3859351.99	0.59452	0.36469	1.4132	0.29773	2.40E-03	1.09E-02	9.01E-03	9.40E-04	2.32E-02	2.19E-03	1.18E-08	1.20E-04	2.56E-05	2.33E-03	2.78E-03	1.09E-02	9.01E-03	9.40E-04	2.36E-02
1944	494611.06	3859351.99	0.58967	0.35713	1.3998	0.29236	2.38E-03	1.07E-02	8.93E-03	9.23E-04	2.29E-02	2.17E-03	1.15E-08	1.19E-04	2.52E-05	2.31E-03	2.76E-03	1.07E-02	8.93E-03	9.23E-04	2.33E-02
1945	494661.06	3859351.99	0.58312	0.34906	1.3848	0.28848	2.36E-03	1.04E-02	8.83E-03	9.11E-04	2.25E-02	2.14E-03	1.13E-08	1.18E-04	2.48E-05	2.29E-03	2.73E-03	1.04E-02	8.83E-03	9.11E-04	2.29E-02
1946	494711.06	3859351.99	0.56617	0.33841	1.378	0.28398	2.29E-03	1.01E-02	8.79E-03	8.97E-04	2.21E-02	2.08E-03	1.09E-08	1.17E-04	2.45E-05	2.22E-03	2.65E-03	1.01E-02	8.79E-03	8.97E-04	2.24E-02
1947	494761.06	3859351.99	0.53724	0.32324	1.4131	0.27596	2.17E-03	9.64E-03	9.01E-03	8.71E-04	2.17E-02	1.98E-03	1.04E-08	1.20E-04	2.38E-05	2.12E-03	2.51E-03	9.64E-03	9.01E-03	8.71E-04	2.20E-02
1948	494811.06	3859351.99	0.51333	0.30695	1.435	0.25318	2.07E-03	9.16E-03	9.15E-03	7.99E-04	2.12E-02	1.89E-03	9.89E-09	1.22E-04	2.18E-05	2.03E-03	2.40E-03	9.16E-03	9.15E-03	7.99E-04	2.15E-02

1949	494861.06	3859351.99	0.50366	0.30087	1.467	0.24394	2.04E-03	8.98E-03	9.36E-03	7.70E-04	2.11E-02	1.85E-03	9.70E-09	1.25E-04	2.10E-05	2.00E-03	2.36E-03	8.98E-03	9.36E-03	7.70E-04	2.15E-02
1950	494911.06	3859351.99	0.49798	0.29715	1.4275	0.23888	2.01E-03	8.86E-03	9.11E-03	7.54E-04	2.07E-02	1.83E-03	9.58E-09	1.21E-04	2.06E-05	1.97E-03	2.33E-03	8.86E-03	9.11E-03	7.54E-04	2.11E-02
1951	494961.06	3859351.99	0.4868	0.29001	1.4239	0.23295	1.97E-03	8.65E-03	9.08E-03	7.36E-04	2.04E-02	1.79E-03	9.35E-09	1.21E-04	2.01E-05	1.93E-03	2.28E-03	8.65E-03	9.08E-03	7.36E-04	2.07E-02
1952	495011.06	3859351.99	0.47825	0.28527	1.4305	0.23259	1.93E-03	8.51E-03	9.12E-03	7.34E-04	2.03E-02	1.76E-03	9.19E-09	1.22E-04	2.00E-05	1.90E-03	2.24E-03	8.51E-03	9.12E-03	7.34E-04	2.06E-02
1953	495061.06	3859351.99	0.48082	0.28921	1.4405	0.23239	1.94E-03	8.63E-03	9.19E-03	7.34E-04	2.05E-02	1.77E-03	9.32E-09	1.23E-04	2.00E-05	1.91E-03	2.25E-03	8.63E-03	9.19E-03	7.34E-04	2.08E-02
1954	495111.06	3859351.99	0.4777	0.28376	1.4293	0.23201	1.93E-03	8.47E-03	9.12E-03	7.33E-04	2.02E-02	1.76E-03	9.15E-09	1.22E-04	2.00E-05	1.90E-03	2.23E-03	8.47E-03	9.12E-03	7.33E-04	2.05E-02
1955	495161.06	3859351.99	0.48239	0.28165	1.4423	0.22966	1.95E-03	8.40E-03	9.20E-03	7.25E-04	2.03E-02	1.77E-03	9.08E-09	1.23E-04	1.98E-05	1.92E-03	2.26E-03	8.40E-03	9.20E-03	7.25E-04	2.06E-02
1956	495211.06	3859351.99	0.48599	0.27915	1.4502	0.22558	1.96E-03	8.33E-03	9.25E-03	7.12E-04	2.03E-02	1.79E-03	9.00E-09	1.23E-04	1.94E-05	1.93E-03	2.27E-03	8.33E-03	9.25E-03	7.12E-04	2.06E-02
1957	495261.06	3859351.99	0.49303	0.27901	1.4526	0.22487	1.99E-03	8.32E-03	9.27E-03	7.10E-04	2.03E-02	1.81E-03	8.99E-09	1.24E-04	1.94E-05	1.96E-03	2.31E-03	8.32E-03	9.27E-03	7.10E-04	2.06E-02
1958	495311.06	3859351.99	0.49278	0.27474	1.4334	0.221	1.99E-03	8.20E-03	9.14E-03	6.98E-04	2.00E-02	1.81E-03	8.86E-09	1.22E-04	1.90E-05	1.95E-03	2.30E-03	8.20E-03	9.14E-03	6.98E-04	2.03E-02
1959	495361.06	3859351.99	0.49239	0.27271	1.4154	0.21642	1.99E-03	8.14E-03	9.03E-03	6.83E-04	1.98E-02	1.81E-03	8.79E-09	1.20E-04	1.86E-05	1.95E-03	2.30E-03	8.14E-03	9.03E-03	6.83E-04	2.02E-02
1960	495411.06	3859351.99	0.49619	0.27227	1.4484	0.21267	2.01E-03	8.12E-03	9.24E-03	6.71E-04	2.00E-02	1.82E-03	8.78E-09	1.23E-04	1.83E-05	1.97E-03	2.32E-03	8.12E-03	9.24E-03	6.71E-04	2.04E-02
1961	495461.06	3859351.99	0.50066	0.27299	1.4464	0.21092	2.02E-03	8.14E-03	9.23E-03	6.66E-04	2.01E-02	1.84E-03	8.80E-09	1.23E-04	1.82E-05	1.98E-03	2.34E-03	8.14E-03	9.23E-03	6.66E-04	2.04E-02
1962	495511.06	3859351.99	0.49788	0.26664	1.4373	0.20518	2.01E-03	7.95E-03	9.17E-03	6.48E-04	1.98E-02	1.83E-03	8.59E-09	1.22E-04	1.77E-05	1.97E-03	2.33E-03	7.95E-03	9.17E-03	6.48E-04	2.01E-02
1963	495561.06	3859351.99	0.49652	0.26224	1.3898	0.20447	2.01E-03	7.82E-03	8.86E-03	6.46E-04	1.93E-02	1.83E-03	8.45E-09	1.18E-04	1.76E-05	1.96E-03	2.32E-03	7.82E-03	8.86E-03	6.46E-04	1.97E-02
1964	495611.06	3859351.99	0.49637	0.25952	1.3432	0.20409	2.01E-03	7.74E-03	8.57E-03	6.44E-04	1.90E-02	1.82E-03	8.36E-09	1.14E-04	1.76E-05	1.96E-03	2.32E-03	7.74E-03	8.57E-03	6.44E-04	1.93E-02
1965	495661.06	3859351.99	0.49066	0.25332	1.2937	0.20291	1.98E-03	7.56E-03	8.25E-03	6.41E-04	1.84E-02	1.80E-03	8.16E-09	1.10E-04	1.75E-05	1.93E-03	2.29E-03	7.56E-03	8.25E-03	6.41E-04	1.87E-02
1966	494311.06	3859401.99	0.65686	0.43886	1.4047	0.30307	2.66E-03	1.31E-02	8.96E-03	9.57E-04	2.57E-02	2.41E-03	1.41E-08	1.19E-04	2.61E-05	2.56E-03	3.07E-03	1.31E-02	8.96E-03	9.57E-04	2.61E-02
1967	494361.06	3859401.99	0.63761	0.42321	1.4133	0.3085	2.58E-03	1.26E-02	9.01E-03	9.74E-04	2.52E-02	2.34E-03	1.36E-08	1.20E-04	2.66E-05	2.49E-03	2.98E-03	1.26E-02	9.01E-03	9.74E-04	2.56E-02
1968	494411.06	3859401.99	0.61743	0.40527	1.4199	0.31198	2.50E-03	1.21E-02	9.06E-03	9.85E-04	2.46E-02	2.27E-03	1.31E-08	1.21E-04	2.69E-05	2.42E-03	2.89E-03	1.21E-02	9.06E-03	9.85E-04	2.50E-02
1969	494461.06	3859401.99	0.60274	0.39452	1.4215	0.31107	2.44E-03	1.18E-02	9.07E-03	9.82E-04	2.43E-02	2.22E-03	1.27E-08	1.21E-04	2.68E-05	2.36E-03	2.82E-03	1.18E-02	9.07E-03	9.82E-04	2.46E-02
1970	494511.06	3859401.99	0.59796	0.38804	1.419	0.3076	2.42E-03	1.16E-02	9.05E-03	9.71E-04	2.40E-02	2.20E-03	1.25E-08	1.21E-04	2.65E-05	2.35E-03	2.80E-03	1.16E-02	9.05E-03	9.71E-04	2.44E-02
1971	494561.06	3859401.99	0.59659	0.3799	1.4156	0.30335	2.41E-03	1.13E-02	9.03E-03	9.58E-04	2.37E-02	2.19E-03	1.22E-08	1.20E-04	2.61E-05	2.34E-03	2.79E-03	1.13E-02	9.03E-03	9.58E-04	2.41E-02
1972	494611.06	3859401.99	0.5929	0.3695	1.4113	0.29883	2.40E-03	1.10E-02	9.00E-03	9.44E-04	2.34E-02	2.18E-03	1.19E-08	1.20E-04	2.57E-05	2.33E-03	2.77E-03	1.10E-02	9.00E-03	9.44E-04	2.37E-02
1973	494661.06	3859401.99	0.59044	0.36261	1.4036	0.29338	2.39E-03	1.08E-02	8.95E-03	9.26E-04	2.31E-02	2.17E-03	1.17E-08	1.19E-04	2.53E-05	2.32E-03	2.76E-03	1.08E-02	8.95E-03	9.26E-04	2.35E-02
1974	494711.06	3859401.99	0.58616	0.35392	1.3949	0.28955	2.37E-03	1.06E-02	8.90E-03	9.14E-04	2.27E-02	2.16E-03	1.14E-08	1.19E-04	2.49E-05	2.30E-03	2.74E-03	1.06E-02	8.90E-03	9.14E-04	2.31E-02
1975	494761.06	3859401.99	0.5751	0.33555	1.3877	0.28933	2.32E-03	1.00E-02	8.85E-03	9.14E-04	2.21E-02	2.11E-03	1.08E-08	1.18E-04	2.49E-05	2.26E-03	2.69E-03	1.00E-02	8.85E-03	9.14E-04	2.25E-02
1976	494811.06	3859401.99	0.55927	0.32705	1.3739	0.28146	2.26E-03	9.76E-03	8.76E-03	8.89E-04	2.17E-02	2.06E-03	1.05E-08	1.17E-04	2.42E-05	2.20E-03	2.62E-03	9.76E-03	8.76E-03	8.89E-04	2.20E-02
1977	494861.06	3859401.99	0.53688	0.31363	1.3585	0.27155	2.17E-03	9.36E-03	8.67E-03	8.57E-04	2.10E-02	1.97E-03	1.01E-08	1.16E-04	2.34E-05	2.11E-03	2.51E-03	9.36E-03	8.67E-03	8.57E-04	2.14E-02
1978	494911.06	3859401.99	0.51858	0.30458	1.3422	0.26906	2.10E-03	9.09E-03	8.56E-03	8.50E-04	2.06E-02	1.91E-03	9.82E-09	1.14E-04	2.32E-05	2.04E-03	2.43E-03	9.09E-03	8.56E-03	8.50E-04	2.09E-02
1979	494961.06	3859401.99	0.51025	0.30202	1.3231	0.26333	2.06E-03	9.01E-03	8.44E-03	8.31E-04	2.03E-02	1.88E-03	9.73E-09	1.13E-04	2.27E-05	2.01E-03	2.39E-03	9.01E-03	8.44E-03	8.31E-04	2.07E-02
1980	495011.06	3859401.99	0.50235	0.29962	1.3412	0.26106	2.03E-03	8.94E-03	8.55E-03	8.24E-04	2.03E-02	1.85E-03	9.66E-09	1.14E-04	2.25E-05	1.98E-03	2.35E-03	8.94E-03	8.55E-03	8.24E-04	2.07E-02
1981	495061.06	3859401.99	0.50536	0.29738	1.3797	0.26168	2.04E-03	8.87E-03	8.80E-03	8.26E-04	2.05E-02	1.86E-03	9.58E-09	1.17E-04	2.25E-05	2.00E-03	2.36E-03	8.87E-03	8.80E-03	8.26E-04	2.09E-02
1982	495111.06	3859401.99	0.49551	0.29105	1.4095	0.25523	2.00E-03	8.68E-03	8.99E-03	8.06E-04	2.05E-02	1.82E-03	9.38E-09	1.20E-04	2.20E-05	1.96E-03	2.32E-03	8.68E-03	8.99E-03	8.06E-04	2.08E-02
1983	495161.06	3859401.99	0.4909	0.29092	1.3719	0.24946	1.98E-03	8.68E-03	8.75E-03	7.88E-04	2.02E-02	1.80E-03	9.38E-09	1.17E-04	2.15E-05	1.94E-03	2.30E-03	8.68E-03	8.75E-03	7.88E-04	2.05E-02
1984	495211.06	3859401.99	0.48762	0.29077	1.3819	0.2467	1.97E-03	8.67E-03	8.81E-03	7.79E-04	2.02E-02	1.79E-03	9.37E-09	1.18E-04	2.12E-05	1.93E-03	2.28E-03	8.67E-03	8.81E-03	7.79E-04	2.05E-02
1985	495261.06	3859401.99	0.48888	0.28821	1.3899	0.24219	1.98E-03	8.60E-03	8.87E-03	7.65E-04	2.02E-02	1.80E-03	9.29E-09	1.18E-04	2.09E-05	1.94E-03	2.29E-03	8.60E-03	8.87E-03	7.65E-04	2.05E-02
1986	495311.06	3859401.99	0.49259	0.28518	1.3964	0.2372	1.99E-03	8.51E-03	8.91E-03	7.49E-04	2.02E-02	1.81E-03	9.19E-09	1.19E-04	2.04E-05	1.95E-03	2.30E-03	8.51E-03	8.91E-03	7.49E-04	2.05E-02
1987	495361.06	3859401.99	0.50126	0.2858	1.3864	0.23708	2.03E-03	8.53E-03	8.84E-03	7.49E-04	2.01E-02	1.84E-03	9.21E-09	1.18E-04	2.04E-05	1.98E-03	2.34E-03	8.53E-03	8.84E-03	7.49E-04	2.05E-02
1988	495411.06	3859401.99	0.50628	0.28422	1.3972	0.23468	2.05E-03	8.48E-03	8.91E-03	7.41E-04	2.02E-02	1.86E-03	9.16E-09	1.19E-04	2.02E-05	2.00E-03	2.37E-03	8.48E-03	8.91E-03	7.41E-04	2.05E-02
1989	495461.06	3859401.99	0.50728	0.28034	1.4097	0.23121	2.05E-03	8.36E-03	8.99E-03	7.30E-04	2.01E-02	1.87E-03	9.04E-09	1.20E-04	1.99E-05	2.00E-03	2.37E-03	8.36E-03	8.99E-03	7.30E-04	2.05E-02
1990	495511.06	3859401.99	0.49773	0.27429	1.4101	0.22464	2.01E-03	8.18E-03	8.99E-03	7.09E-04	1.99E-02	1.83E-03	8.84E-09	1.20E-04	1.93E-05	1.97E-03	2.33E-03	8.18E-03	8.99E-03	7.09E-04	2.02E-02
1991	495561.06	3859401.99	0.49107	0.2672	1.3995	0.21811	1.99E-03	7.97E-03	8.93E-03	6.89E-04	1.96E-02	1.81E-03	8.61E-09	1.19E-04	1.88E-05	1.94E-03	2.30E-03	7.97E-03	8.93E-03	6.89E-04	1.99E-02
1992	495611.06	3859401.99	0.49159	0.26379	1.3639	0.21239	1.99E-03	7.87E-03	8.70E-03	6.71E-04	1.92E-02	1.81E-03	8.50E-09	1.16E-04	1.83E-05	1.94E-03	2.30E-03	7.87E-03	8.70E-03	6.71E-04	1.95E-02
1993	495661.06	3859401.99	0.49246	0.26173	1.3571	0.21051	1.99E-03	7.81E-03	8.66E-03	6.65E-04	1.91E-02	1.81E-03	8.44E-09	1.15E-04	1.81E-05	1.94E-03	2.30E-03	7.81E-03	8.66E-03	6.65E-04	1.94E-02
1994	494311.06	3859451.99	0.69004	0.45204	1.3348	0.30523	2.79E-03	1.35E-02	8.51E-03	9.64E-04	2.58E-02	2.54E-03	1.46E-08	1.14E-04	2.63E-05	2.68E-03	3.23E-03	1.35E-02	8.51E-03	9.64E-04	2.62E-02
1995	494361.06	3859451.99	0.67294	0.44001	1.3498	0.30891	2.72E-03	1.31E-02	8.61E-03	9.75E-04	2.54E-02	2.47E-03	1.42E-08	1.15E-04	2.66E-05	2.62E-03	3.15E-03	1.31E-02	8.61E-03	9.75E-04	2.59E-02
1996	494411.06	3859451.99	0.65363	0.41614	1.3664	0.30295	2.64E-03	1.24E-02	8.72E-03	9.57E-04	2.47E-02	2.40E-03	1.34E-08	1.16E-04	2.61E-05	2.55E-03	3.06E-03	1.24E-02	8.72E-03	9.57E-04	2.51E-02
1997	494461.06	3859451.99	0.6368	0.41233	1.3728	0.29959	2.57E-03	1.23E-02	8.76E-03	9.46E-04	2.46E-02	2.34E-03	1.33E-08	1.17E-04	2.58E-05	2.48E-03	2.98E-03	1.23E-02	8.76E-03	9.46E-04	2.50E-02
1998	494511.06	3859451.99	0.61816	0.40401	1.3803	0.29437	2.50E-03	1.21E-02	8.80E-03	9.29E-04	2.43E-02	2.27E-03	1.30E-08	1.17E-04	2.53E-05	2.42E-03	2.89E-03	1.21E-02	8.80E-03	9.29E-04	2.47E-02
1999	494561.06	3859451.99	0.60315	0.39709	1.3846	0.28966	2.44E-03	1.18E-02	8.83E-03	9.15E-04	2.40E-02	2.22E-03	1.28E-08	1.18E-04	2.49E-05	2.36E-03	2.82E-03	1.18E-02	8.83E-03	9.15E-04	2.44E-02
2000	494611.06	3859451.99	0.59175	0.39345	1.3851	0.29008	2.39E-03	1.17E-02	8.84E-03	9.16E-04	2.39E-02	2.18E-03	1.27E-08	1.18E-04	2.50E-05	2.32E-03	2.77E-03	1.17E-02	8.84E-03	9.16E-04	2.43E-02
2001	494661.06	3859451.99	0.58842	0.38316	1.3874	0.28995	2.38E-03	1.14E-02	8.85E-03	9.15E-04	2.36E-02	2.16E-03	1.23E-08	1.18E-04	2.50E-05	2.31E-03	2.75E-03	1.14E-02	8.85E-03	9.15E-04	2.39E-02
2002	494711.06	3859451.99	0.58511	0.373	1.3876	0.2877	2.37E-03	1.11E-02	8.85E-03	9.08E-04	2.33E-02	2.15E-03	1.20E-08	1.18E-04	2.48E-05	2.29E-03	2.74E-03	1.11E-02	8.85E-03	9.08E-04	2.36E-02
2003	494761.06	3859451.99	0.58221	0.36493	1.385	0.28734	2.35E-03	1.09E-02	8.83E-03	9.07E-04	2.30E-02	2.14E-03	1.18E-08	1.18E-04	2.47E-05	2.28E-03	2.72E-03	1.09E-02	8.83E-03	9.07E-04	2.34E-02
2004	494811.06	3859451.99	0.57417	0.35006	1.3819	0.28568	2.32E-03	1.04E-02	8.81E-03	9.02E-04	2.25E-02	2.11E-03	1.13E-08	1.18E-04	2.46E-05	2.25E-03	2.69E-03	1.04E-02	8.81E-03	9.02E-04	2.28E-02
2005	494861.06	3859451.99	0.56712	0.33804	1.3757	0.28322	2.29E-03	1.01E-02	8.78E-03	8.94E-04	2.20E-02	2.09E-03	1.09E-08	1.17E-04	2.44E-05	2.23E-03	2.65E-03	1.01E-02	8.78E-03	8.94E-04	2.24E-02
2006	494911.06	3859451.99	0.56084	0.32978	1.367	0.2806	2.27E-03	9.84E-03	8.72E-03	8.86E-04	2.17E-02	2.06E-03	1.06E-08	1.16E-04	2.42E-05	2.20E-03	2.62E-03	9.84E-03	8.72E-03	8.86E-04	2.21E-02
2007	494961.06	3859451.99	0.55159	0.32602	1.3563	0.27852	2.23E-03	9.73E-03	8.65E-03	8.79E-04	2.15E-02	2.03E-03	1.05E-08	1.15E-04	2.40E-05	2.17E-03	2.58E-03	9.73E-03	8.65E-03	8.79E-04	2.18E-02
2008	495011.06	3859451.99	0.5336	0.32203	1.3444	0.27564	2.16E-03	9.61E-03	8.58E-03	8.70E-04	2.12E-02	1.96E-03	1.04E-08	1.14E-04	2.37E-05	2.10E-03	2.50E-03	9.61E-03	8.58E-03	8.70E-04	2.15E-02
2009	495061.06	3859451.99	0.52724	0.31904	1.3312	0.27238	2.13E-03	9.52E-03	8.49E-03	8.60E-04	2.10E-02	1.94E-03	1.03E-08	1.13E-04	2.35E-05	2.08E-03	2.47E-03	9.52E-03	8.49E-03	8.60E-04	2.13E-02

2010	495111.06	3859451.99	0.5162	0.31583	1.3166	0.26865	2.09E-03	9.42E-03	8.40E-03	8.48E-04	2.08E-02	1.90E-03	1.02E-08	1.12E-04	2.31E-05	2.03E-03	2.41E-03	9.42E-03	8.40E-03	8.48E-04	2.11E-02
2011	495161.06	3859451.99	0.50708	0.31405	1.3013	0.26601	2.05E-03	9.37E-03	8.30E-03	8.40E-04	2.06E-02	1.86E-03	1.01E-08	1.11E-04	2.29E-05	2.00E-03	2.37E-03	9.37E-03	8.30E-03	8.40E-04	2.09E-02
2012	495211.06	3859451.99	0.51337	0.31329	1.2851	0.26356	2.08E-03	9.35E-03	8.20E-03	8.32E-04	2.05E-02	1.89E-03	1.01E-08	1.09E-04	2.27E-05	2.02E-03	2.40E-03	9.35E-03	8.20E-03	8.32E-04	2.08E-02
2013	495261.06	3859451.99	0.50852	0.31193	1.296	0.26067	2.06E-03	9.31E-03	8.27E-03	8.23E-04	2.05E-02	1.87E-03	1.01E-08	1.10E-04	2.24E-05	2.00E-03	2.38E-03	9.31E-03	8.27E-03	8.23E-04	2.08E-02
2014	495311.06	3859451.99	0.5025	0.30846	1.3269	0.25653	2.03E-03	9.20E-03	8.46E-03	8.10E-04	2.05E-02	1.85E-03	9.94E-09	1.13E-04	2.21E-05	1.98E-03	2.35E-03	9.20E-03	8.46E-03	8.10E-04	2.08E-02
2015	495361.06	3859451.99	0.49635	0.30585	1.3586	0.2526	2.01E-03	9.12E-03	8.67E-03	7.98E-04	2.06E-02	1.82E-03	9.86E-09	1.16E-04	2.18E-05	1.96E-03	2.32E-03	9.12E-03	8.67E-03	7.98E-04	2.09E-02
2016	495411.06	3859451.99	0.49679	0.30205	1.3308	0.24792	2.01E-03	9.01E-03	8.49E-03	7.83E-04	2.03E-02	1.83E-03	9.74E-09	1.13E-04	2.13E-05	1.96E-03	2.32E-03	9.01E-03	8.49E-03	7.83E-04	2.06E-02
2017	495461.06	3859451.99	0.50135	0.29926	1.34	0.24386	2.03E-03	8.93E-03	8.55E-03	7.70E-04	2.03E-02	1.84E-03	9.65E-09	1.14E-04	2.10E-05	1.98E-03	2.34E-03	8.93E-03	8.55E-03	7.70E-04	2.06E-02
2018	495511.06	3859451.99	0.49876	0.29151	1.3473	0.23824	2.02E-03	8.70E-03	8.59E-03	7.52E-04	2.01E-02	1.83E-03	9.40E-09	1.15E-04	2.05E-05	1.97E-03	2.33E-03	8.70E-03	8.59E-03	7.52E-04	2.04E-02
2019	495561.06	3859451.99	0.49989	0.287	1.3536	0.23768	2.02E-03	8.56E-03	8.63E-03	7.50E-04	2.00E-02	1.84E-03	9.25E-09	1.15E-04	2.05E-05	1.97E-03	2.34E-03	8.56E-03	8.63E-03	7.50E-04	2.03E-02
2020	495611.06	3859451.99	0.50084	0.28273	1.3359	0.23724	2.02E-03	8.43E-03	8.52E-03	7.49E-04	1.97E-02	1.84E-03	9.11E-09	1.14E-04	2.04E-05	1.98E-03	2.34E-03	8.43E-03	8.52E-03	7.49E-04	2.00E-02
2021	495661.06	3859451.99	0.49614	0.2789	1.3443	0.23479	2.01E-03	8.32E-03	8.57E-03	7.41E-04	1.96E-02	1.82E-03	8.99E-09	1.14E-04	2.02E-05	1.96E-03	2.32E-03	8.32E-03	8.57E-03	7.41E-04	2.00E-02
2022	494311.06	3859501.99	0.69514	0.47242	1.3429	0.288	2.81E-03	1.41E-02	8.57E-03	9.09E-04	2.64E-02	2.56E-03	1.52E-08	1.14E-04	2.48E-05	2.69E-03	3.25E-03	1.41E-02	8.57E-03	9.09E-04	2.68E-02
2023	494361.06	3859501.99	0.68975	0.45837	1.3859	0.28613	2.79E-03	1.37E-02	8.84E-03	9.03E-04	2.62E-02	2.54E-03	1.48E-08	1.18E-04	2.46E-05	2.68E-03	3.23E-03	1.37E-02	8.84E-03	9.03E-04	2.66E-02
2024	494411.06	3859501.99	0.67742	0.43304	1.5357	0.28203	2.74E-03	1.29E-02	9.80E-03	8.90E-04	2.63E-02	2.49E-03	1.40E-08	1.31E-04	2.43E-05	2.65E-03	3.17E-03	1.29E-02	9.80E-03	8.90E-04	2.68E-02
2025	494461.06	3859501.99	0.67172	0.4361	1.4182	0.28031	2.72E-03	1.30E-02	9.05E-03	8.85E-04	2.57E-02	2.47E-03	1.41E-08	1.21E-04	2.41E-05	2.61E-03	3.14E-03	1.30E-02	9.05E-03	8.85E-04	2.61E-02
2026	494511.06	3859501.99	0.65444	0.41553	1.4324	0.27818	2.65E-03	1.24E-02	9.14E-03	8.78E-04	2.51E-02	2.41E-03	1.34E-08	1.22E-04	2.40E-05	2.55E-03	3.06E-03	1.24E-02	9.14E-03	8.78E-04	2.55E-02
2027	494561.06	3859501.99	0.63706	0.40755	1.4212	0.28029	2.58E-03	1.22E-02	9.07E-03	8.85E-04	2.47E-02	2.34E-03	1.31E-08	1.21E-04	2.41E-05	2.49E-03	2.98E-03	1.22E-02	9.07E-03	8.85E-04	2.51E-02
2028	494611.06	3859501.99	0.62185	0.41352	1.326	0.27978	2.51E-03	1.23E-02	8.46E-03	8.83E-04	2.42E-02	2.29E-03	1.33E-08	1.13E-04	2.41E-05	2.42E-03	2.91E-03	1.23E-02	8.46E-03	8.83E-04	2.46E-02
2029	494661.06	3859501.99	0.60493	0.40133	1.337	0.28021	2.45E-03	1.20E-02	8.53E-03	8.85E-04	2.38E-02	2.22E-03	1.29E-08	1.14E-04	2.41E-05	2.36E-03	2.83E-03	1.20E-02	8.53E-03	8.85E-04	2.42E-02
2030	494711.06	3859501.99	0.5897	0.38619	1.3471	0.28066	2.38E-03	1.15E-02	8.59E-03	8.86E-04	2.34E-02	2.17E-03	1.24E-08	1.15E-04	2.42E-05	2.31E-03	2.76E-03	1.15E-02	8.59E-03	8.86E-04	2.38E-02
2031	494761.06	3859501.99	0.58118	0.3874	1.3491	0.28167	2.35E-03	1.16E-02	8.61E-03	8.89E-04	2.34E-02	2.14E-03	1.25E-08	1.15E-04	2.43E-05	2.28E-03	2.72E-03	1.16E-02	8.61E-03	8.89E-04	2.38E-02
2032	494811.06	3859501.99	0.57312	0.36707	1.3566	0.28273	2.32E-03	1.10E-02	8.65E-03	8.93E-04	2.28E-02	2.11E-03	1.18E-08	1.15E-04	2.43E-05	2.25E-03	2.68E-03	1.10E-02	8.65E-03	8.93E-04	2.32E-02
2033	494861.06	3859501.99	0.57156	0.36192	1.3572	0.28281	2.31E-03	1.08E-02	8.66E-03	8.93E-04	2.27E-02	2.10E-03	1.17E-08	1.15E-04	2.44E-05	2.24E-03	2.67E-03	1.08E-02	8.66E-03	8.93E-04	2.30E-02
2034	494911.06	3859501.99	0.57161	0.36047	1.3552	0.2827	2.31E-03	1.08E-02	8.64E-03	8.93E-04	2.26E-02	2.10E-03	1.16E-08	1.15E-04	2.43E-05	2.24E-03	2.67E-03	1.08E-02	8.64E-03	8.93E-04	2.30E-02
2035	494961.06	3859501.99	0.56704	0.35263	1.353	0.28155	2.29E-03	1.05E-02	8.63E-03	8.89E-04	2.23E-02	2.08E-03	1.14E-08	1.15E-04	2.42E-05	2.22E-03	2.65E-03	1.05E-02	8.63E-03	8.89E-04	2.27E-02
2036	495011.06	3859501.99	0.56627	0.34939	1.348	0.28071	2.29E-03	1.04E-02	8.60E-03	8.86E-04	2.22E-02	2.08E-03	1.13E-08	1.15E-04	2.42E-05	2.22E-03	2.65E-03	1.04E-02	8.60E-03	8.86E-04	2.26E-02
2037	495061.06	3859501.99	0.5626	0.34635	1.3415	0.27956	2.27E-03	1.03E-02	8.56E-03	8.83E-04	2.20E-02	2.07E-03	1.12E-08	1.14E-04	2.41E-05	2.21E-03	2.63E-03	1.03E-02	8.56E-03	8.83E-04	2.24E-02
2038	495111.06	3859501.99	0.54406	0.33827	1.3345	0.277	2.20E-03	1.01E-02	8.51E-03	8.75E-04	2.17E-02	2.00E-03	1.09E-08	1.13E-04	2.39E-05	2.14E-03	2.54E-03	1.01E-02	8.51E-03	8.75E-04	2.20E-02
2039	495161.06	3859501.99	0.53599	0.33563	1.3253	0.27525	2.17E-03	1.00E-02	8.45E-03	8.69E-04	2.15E-02	1.97E-03	1.08E-08	1.13E-04	2.37E-05	2.11E-03	2.51E-03	1.00E-02	8.45E-03	8.69E-04	2.18E-02
2040	495211.06	3859501.99	0.53272	0.33505	1.3147	0.27371	2.15E-03	1.00E-02	8.39E-03	8.64E-04	2.14E-02	1.96E-03	1.08E-08	1.12E-04	2.36E-05	2.09E-03	2.49E-03	1.00E-02	8.39E-03	8.64E-04	2.17E-02
2041	495261.06	3859501.99	0.52263	0.33222	1.3032	0.27134	2.11E-03	9.91E-03	8.31E-03	8.57E-04	2.12E-02	1.92E-03	1.07E-08	1.11E-04	2.34E-05	2.06E-03	2.44E-03	9.91E-03	8.31E-03	8.57E-04	2.15E-02
2042	495311.06	3859501.99	0.51287	0.33034	1.2907	0.26894	2.07E-03	9.86E-03	8.23E-03	8.49E-04	2.10E-02	1.89E-03	1.06E-08	1.10E-04	2.32E-05	2.02E-03	2.40E-03	9.86E-03	8.23E-03	8.49E-04	2.13E-02
2043	495361.06	3859501.99	0.51575	0.32672	1.2773	0.26584	2.08E-03	9.75E-03	8.15E-03	8.39E-04	2.08E-02	1.90E-03	1.05E-08	1.09E-04	2.29E-05	2.03E-03	2.41E-03	9.75E-03	8.15E-03	8.39E-04	2.11E-02
2044	495411.06	3859501.99	0.50771	0.32758	1.2629	0.26256	2.05E-03	9.77E-03	8.06E-03	8.29E-04	2.07E-02	1.87E-03	1.06E-08	1.07E-04	2.26E-05	2.00E-03	2.37E-03	9.77E-03	8.06E-03	8.29E-04	2.10E-02
2045	495461.06	3859501.99	0.50585	0.31901	1.2477	0.25872	2.04E-03	9.52E-03	7.96E-03	8.17E-04	2.03E-02	1.86E-03	1.03E-08	1.06E-04	2.23E-05	1.99E-03	2.37E-03	9.52E-03	7.96E-03	8.17E-04	2.07E-02
2046	495511.06	3859501.99	0.49355	0.30763	1.2581	0.25438	2.00E-03	9.18E-03	8.03E-03	8.03E-04	2.00E-02	1.81E-03	9.92E-09	1.07E-04	2.19E-05	1.94E-03	2.31E-03	9.18E-03	8.03E-03	8.03E-04	2.03E-02
2047	495561.06	3859501.99	0.49367	0.30694	1.2747	0.24893	2.00E-03	9.16E-03	8.13E-03	7.86E-04	2.01E-02	1.81E-03	9.89E-09	1.08E-04	2.14E-05	1.94E-03	2.31E-03	9.16E-03	8.13E-03	7.86E-04	2.04E-02
2048	495611.06	3859501.99	0.49566	0.30172	1.303	0.24381	2.00E-03	9.00E-03	8.31E-03	7.70E-04	2.01E-02	1.82E-03	9.72E-09	1.11E-04	2.10E-05	1.95E-03	2.32E-03	9.00E-03	8.31E-03	7.70E-04	2.04E-02
2049	495661.06	3859501.99	0.4963	0.29592	1.2901	0.24087	2.01E-03	8.83E-03	8.23E-03	7.61E-04	1.98E-02	1.82E-03	9.54E-09	1.10E-04	2.07E-05	1.96E-03	2.32E-03	8.83E-03	8.23E-03	7.61E-04	2.01E-02
2050	494311.06	3859551.99	0.68557	0.49687	1.369	0.26738	2.77E-03	1.48E-02	8.73E-03	8.44E-04	2.72E-02	2.52E-03	1.60E-08	1.16E-04	2.30E-05	2.66E-03	3.21E-03	1.48E-02	8.73E-03	8.44E-04	2.76E-02
2051	494361.06	3859551.99	0.67826	0.47799	1.3593	0.27363	2.74E-03	1.43E-02	8.67E-03	8.64E-04	2.65E-02	2.49E-03	1.54E-08	1.16E-04	2.36E-05	2.63E-03	3.17E-03	1.43E-02	8.67E-03	8.64E-04	2.70E-02
2052	494411.06	3859551.99	0.67536	0.44321	1.4354	0.27724	2.73E-03	1.32E-02	9.16E-03	8.75E-04	2.60E-02	2.48E-03	1.43E-08	1.22E-04	2.39E-05	2.63E-03	3.16E-03	1.32E-02	9.16E-03	8.75E-04	2.64E-02
2053	494461.06	3859551.99	0.68135	0.45164	1.3934	0.27411	2.75E-03	1.35E-02	8.89E-03	8.65E-04	2.60E-02	2.50E-03	1.46E-08	1.19E-04	2.36E-05	2.65E-03	3.19E-03	1.35E-02	8.89E-03	8.65E-04	2.64E-02
2054	494511.06	3859551.99	0.67549	0.43883	1.4359	0.27363	2.73E-03	1.31E-02	9.16E-03	8.64E-04	2.58E-02	2.48E-03	1.41E-08	1.22E-04	2.36E-05	2.63E-03	3.16E-03	1.31E-02	9.16E-03	8.64E-04	2.63E-02
2055	494561.06	3859551.99	0.67034	0.4334	1.4705	0.27471	2.71E-03	1.29E-02	9.38E-03	8.67E-04	2.59E-02	2.46E-03	1.40E-08	1.25E-04	2.37E-05	2.61E-03	3.13E-03	1.29E-02	9.38E-03	8.67E-04	2.63E-02
2056	494611.06	3859551.99	0.65541	0.43062	1.4661	0.27468	2.65E-03	1.28E-02	9.35E-03	8.67E-04	2.57E-02	2.41E-03	1.39E-08	1.25E-04	2.37E-05	2.56E-03	3.07E-03	1.28E-02	9.35E-03	8.67E-04	2.61E-02
2057	494661.06	3859551.99	0.63929	0.42613	1.4347	0.27567	2.58E-03	1.27E-02	9.15E-03	8.70E-04	2.53E-02	2.35E-03	1.37E-08	1.22E-04	2.37E-05	2.50E-03	2.99E-03	1.27E-02	9.15E-03	8.70E-04	2.57E-02
2058	494711.06	3859551.99	0.61826	0.38917	1.5701	0.27392	2.50E-03	1.16E-02	1.00E-02	8.65E-04	2.50E-02	2.27E-03	1.25E-08	1.34E-04	2.36E-05	2.43E-03	2.89E-03	1.16E-02	1.00E-02	8.65E-04	2.54E-02
2059	494761.06	3859551.99	0.6051	0.39977	1.4141	0.27553	2.45E-03	1.19E-02	9.02E-03	8.70E-04	2.43E-02	2.22E-03	1.29E-08	1.20E-04	2.37E-05	2.37E-03	2.83E-03	1.19E-02	9.02E-03	8.70E-04	2.46E-02
2060	494811.06	3859551.99	0.59011	0.38283	1.4613	0.27419	2.39E-03	1.14E-02	9.32E-03	8.66E-04	2.40E-02	2.17E-03	1.23E-08	1.24E-04	2.36E-05	2.32E-03	2.76E-03	1.14E-02	9.32E-03	8.66E-04	2.44E-02
2061	494861.06	3859551.99	0.57785	0.37805	1.4169	0.27606	2.34E-03	1.13E-02	9.04E-03	8.72E-04	2.35E-02	2.12E-03	1.22E-08	1.21E-04	2.38E-05	2.27E-03	2.70E-03	1.13E-02	9.04E-03	8.72E-04	2.39E-02
2062	494911.06	3859551.99	0.56901	0.37102	1.384	0.2775	2.30E-03	1.11E-02	8.83E-03	8.76E-04	2.31E-02	2.09E-03	1.20E-08	1.18E-04	2.39E-05	2.23E-03	2.66E-03	1.11E-02	8.83E-03	8.76E-04	2.34E-02
2063	494961.06	3859551.99	0.57052	0.36986	1.3164	0.27841	2.31E-03	1.10E-02	8.40E-03	8.79E-04	2.26E-02	2.10E-03	1.19E-08	1.12E-04	2.40E-05	2.23E-03	2.67E-03	1.10E-02	8.40E-03	8.79E-04	2.30E-02
2064	495011.06	3859551.99	0.57217	0.37018	1.3178	0.27896	2.31E-03	1.10E-02	8.41E-03	8.81E-04	2.26E-02	2.10E-03	1.19E-08	1.12E-04	2.40E-05	2.24E-03	2.68E-03	1.10E-02	8.41E-03	8.81E-04	2.30E-02
2065	495061.06	3859551.99	0.57109	0.36611	1.3189	0.27914	2.31E-03	1.09E-02	8.41E-03	8.81E-04	2.25E-02	2.10E-03	1.18E-08	1.12E-04	2.40E-05	2.24E-03	2.67E-03	1.09E-02	8.41E-03	8.81E-04	2.29E-02
2066	495111.06	3859551.99	0.56813	0.35955	1.3191	0.27879	2.30E-03	1.07E-02	8.41E-03	8.80E-04	2.23E-02	2.09E-03	1.16E-08	1.12E-04	2.40E-05	2.22E-03	2.66E-03	1.07E-02	8.41E-03	8.80E-04	2.27E-02
2067	495161.06	3859551.99	0.56841	0.35984	1.3163	0.27835	2.30E-03	1.07E-02	8.40E-03	8.79E-04	2.23E-02	2.09E-03	1.16E-08	1.12E-04	2.40E-05	2.23E-03	2.66E-03	1.07E-02	8.40E-03	8.79E-04	2.27E-02
2068	495211.06	3859551.99	0.56248	0.35906	1.3117	0.27765	2.27E-03	1.07E-02	8.37E-03	8.77E-04	2.22E-02	2.07E-03	1.16E-08	1.12E-04	2.39E-05	2.20E-03	2.63E-03	1.07E-02	8.37E-03	8.77E-04	2.26E-02
2069	495261.06	3859551.99	0.54579	0.35309	1.3073	0.27633	2.21E-03	1.05E-02	8.34E-03	8.72E-04	2.20E-02	2.01E-03	1.14E-08	1.11E-04	2.38E-05	2.14E-03	2.55E-03	1.05E-02	8.34E-03	8.72E-04	2.23E-02
2070	495311.06	3859551.99	0.54093	0.34872	1.3012	0.27475	2.19E-03	1.04E-02	8.30E-03	8.67E-04	2.18E-02	1.99E-03	1.12E-08	1.11E-04	2.37E-05	2.12E-03	2.53E-03	1.04E-02	8.30E-03	8.67E-04	2.21E-02

2071	495361.06	3859551.99	0.53261	0.34548	1.2936	0.27297	2.15E-03	1.03E-02	8.25E-03	8.62E-04	2.16E-02	1.96E-03	1.11E-08	1.10E-04	2.35E-05	2.09E-03	2.49E-03	1.03E-02	8.25E-03	8.62E-04	2.19E-02
2072	495411.06	3859551.99	0.52295	0.34333	1.2846	0.27103	2.11E-03	1.02E-02	8.19E-03	8.56E-04	2.14E-02	1.92E-03	1.11E-08	1.09E-04	2.33E-05	2.06E-03	2.45E-03	1.02E-02	8.19E-03	8.56E-04	2.17E-02
2073	495461.06	3859551.99	0.50817	0.33544	1.2756	0.26803	2.05E-03	1.00E-02	8.14E-03	8.46E-04	2.10E-02	1.87E-03	1.08E-08	1.08E-04	2.31E-05	2.00E-03	2.38E-03	1.00E-02	8.14E-03	8.46E-04	2.14E-02
2074	495511.06	3859551.99	0.50838	0.32738	1.2652	0.26439	2.05E-03	9.77E-03	8.07E-03	8.35E-04	2.07E-02	1.87E-03	1.06E-08	1.08E-04	2.28E-05	2.00E-03	2.38E-03	9.77E-03	8.07E-03	8.35E-04	2.10E-02
2075	495561.06	3859551.99	0.49798	0.32299	1.2534	0.26115	2.01E-03	9.64E-03	7.99E-03	8.25E-04	2.05E-02	1.83E-03	1.04E-08	1.07E-04	2.25E-05	1.96E-03	2.33E-03	9.64E-03	7.99E-03	8.25E-04	2.08E-02
2076	495611.06	3859551.99	0.50125	0.31839	1.2405	0.25757	2.03E-03	9.50E-03	7.91E-03	8.13E-04	2.03E-02	1.84E-03	1.03E-08	1.05E-04	2.22E-05	1.97E-03	2.34E-03	9.50E-03	7.91E-03	8.13E-04	2.06E-02
2077	495661.06	3859551.99	0.49253	0.31242	1.2266	0.25324	1.99E-03	9.32E-03	7.82E-03	8.00E-04	1.99E-02	1.81E-03	1.01E-08	1.04E-04	2.18E-05	1.94E-03	2.30E-03	9.32E-03	7.82E-03	8.00E-04	2.02E-02
2078	494311.06	3859601.99	0.69971	0.52104	1.3355	0.2629	2.83E-03	1.55E-02	8.52E-03	8.30E-04	2.77E-02	2.57E-03	1.68E-08	1.14E-04	2.26E-05	2.71E-03	3.27E-03	1.55E-02	8.52E-03	8.30E-04	2.82E-02
2079	494361.06	3859601.99	0.68412	0.48061	1.5562	0.26761	2.77E-03	1.43E-02	9.93E-03	8.45E-04	2.79E-02	2.52E-03	1.55E-08	1.32E-04	2.30E-05	2.67E-03	3.20E-03	1.43E-02	9.93E-03	8.45E-04	2.83E-02
2080	494411.06	3859601.99	0.67806	0.46033	1.5566	0.27366	2.74E-03	1.37E-02	9.93E-03	8.64E-04	2.73E-02	2.49E-03	1.48E-08	1.32E-04	2.36E-05	2.65E-03	3.17E-03	1.37E-02	9.93E-03	8.64E-04	2.77E-02
2081	494461.06	3859601.99	0.67334	0.46876	1.4534	0.2693	2.72E-03	1.40E-02	9.27E-03	8.50E-04	2.68E-02	2.48E-03	1.51E-08	1.24E-04	2.32E-05	2.62E-03	3.15E-03	1.40E-02	9.27E-03	8.50E-04	2.73E-02
2082	494511.06	3859601.99	0.66599	0.45101	1.4541	0.27293	2.69E-03	1.35E-02	9.27E-03	8.62E-04	2.63E-02	2.45E-03	1.45E-08	1.24E-04	2.35E-05	2.60E-03	3.11E-03	1.35E-02	9.27E-03	8.62E-04	2.67E-02
2083	494561.06	3859601.99	0.66258	0.45447	1.3683	0.2702	2.68E-03	1.36E-02	8.73E-03	8.53E-04	2.58E-02	2.44E-03	1.46E-08	1.16E-04	2.33E-05	2.58E-03	3.10E-03	1.36E-02	8.73E-03	8.53E-04	2.62E-02
2084	494611.06	3859601.99	0.66722	0.45091	1.361	0.26905	2.70E-03	1.35E-02	8.68E-03	8.49E-04	2.57E-02	2.45E-03	1.45E-08	1.16E-04	2.32E-05	2.59E-03	3.12E-03	1.35E-02	8.68E-03	8.49E-04	2.61E-02
2085	494661.06	3859601.99	0.6655	0.42629	1.3767	0.27319	2.69E-03	1.27E-02	8.78E-03	8.63E-04	2.51E-02	2.45E-03	1.37E-08	1.17E-04	2.35E-05	2.59E-03	3.11E-03	1.27E-02	8.78E-03	8.63E-04	2.55E-02
2086	494711.06	3859601.99	0.65267	0.40763	1.4292	0.27623	2.64E-03	1.22E-02	9.12E-03	8.72E-04	2.48E-02	2.40E-03	1.31E-08	1.22E-04	2.38E-05	2.54E-03	3.05E-03	1.22E-02	9.12E-03	8.72E-04	2.52E-02
2087	494761.06	3859601.99	0.64027	0.41962	1.4264	0.27189	2.59E-03	1.25E-02	9.10E-03	8.58E-04	2.51E-02	2.35E-03	1.35E-08	1.21E-04	2.34E-05	2.50E-03	2.99E-03	1.25E-02	9.10E-03	8.58E-04	2.55E-02
2088	494811.06	3859601.99	0.6221	0.39994	1.4779	0.27578	2.51E-03	1.19E-02	9.43E-03	8.71E-04	2.47E-02	2.29E-03	1.29E-08	1.26E-04	2.37E-05	2.44E-03	2.91E-03	1.19E-02	9.43E-03	8.71E-04	2.51E-02
2089	494861.06	3859601.99	0.60557	0.39608	1.5038	0.27638	2.45E-03	1.18E-02	9.59E-03	8.73E-04	2.47E-02	2.23E-03	1.28E-08	1.28E-04	2.38E-05	2.38E-03	2.83E-03	1.18E-02	9.59E-03	8.73E-04	2.51E-02
2090	494911.06	3859601.99	0.59174	0.38401	1.5312	0.27849	2.39E-03	1.15E-02	9.77E-03	8.79E-04	2.45E-02	2.18E-03	1.24E-08	1.30E-04	2.40E-05	2.33E-03	2.77E-03	1.15E-02	9.77E-03	8.79E-04	2.49E-02
2091	494961.06	3859601.99	0.5832	0.39114	1.4026	0.27759	2.36E-03	1.17E-02	8.95E-03	8.76E-04	2.38E-02	2.14E-03	1.26E-08	1.19E-04	2.39E-05	2.29E-03	2.73E-03	1.17E-02	8.95E-03	8.76E-04	2.42E-02
2092	495011.06	3859601.99	0.5689	0.37805	1.4233	0.27659	2.30E-03	1.13E-02	9.08E-03	8.73E-04	2.35E-02	2.09E-03	1.22E-08	1.21E-04	2.38E-05	2.24E-03	2.66E-03	1.13E-02	9.08E-03	8.73E-04	2.39E-02
2093	495061.06	3859601.99	0.56909	0.38083	1.3318	0.27696	2.30E-03	1.14E-02	8.50E-03	8.74E-04	2.30E-02	2.09E-03	1.23E-08	1.13E-04	2.38E-05	2.23E-03	2.66E-03	1.14E-02	8.50E-03	8.74E-04	2.34E-02
2094	495111.06	3859601.99	0.56809	0.37299	1.3104	0.27386	2.30E-03	1.11E-02	8.36E-03	8.65E-04	2.26E-02	2.09E-03	1.20E-08	1.11E-04	2.36E-05	2.22E-03	2.66E-03	1.11E-02	8.36E-03	8.65E-04	2.30E-02
2095	495161.06	3859601.99	0.57021	0.3738	1.278	0.27451	2.30E-03	1.12E-02	8.15E-03	8.67E-04	2.25E-02	2.10E-03	1.20E-08	1.09E-04	2.36E-05	2.23E-03	2.67E-03	1.12E-02	8.15E-03	8.67E-04	2.28E-02
2096	495211.06	3859601.99	0.57035	0.3715	1.2808	0.275	2.31E-03	1.11E-02	8.17E-03	8.68E-04	2.24E-02	2.10E-03	1.20E-08	1.09E-04	2.37E-05	2.23E-03	2.67E-03	1.11E-02	8.17E-03	8.68E-04	2.28E-02
2097	495261.06	3859601.99	0.5706	0.3708	1.2818	0.27508	2.31E-03	1.11E-02	8.18E-03	8.69E-04	2.24E-02	2.10E-03	1.20E-08	1.09E-04	2.37E-05	2.23E-03	2.67E-03	1.11E-02	8.18E-03	8.69E-04	2.28E-02
2098	495311.06	3859601.99	0.5709	0.37016	1.2812	0.2748	2.31E-03	1.10E-02	8.17E-03	8.68E-04	2.24E-02	2.10E-03	1.19E-08	1.09E-04	2.37E-05	2.23E-03	2.67E-03	1.10E-02	8.17E-03	8.68E-04	2.28E-02
2099	495361.06	3859601.99	0.55138	0.36492	1.2803	0.27434	2.23E-03	1.09E-02	8.17E-03	8.66E-04	2.21E-02	2.03E-03	1.18E-08	1.09E-04	2.36E-05	2.16E-03	2.58E-03	1.09E-02	8.17E-03	8.66E-04	2.25E-02
2100	495411.06	3859601.99	0.54758	0.36188	1.2773	0.27347	2.21E-03	1.08E-02	8.15E-03	8.63E-04	2.20E-02	2.01E-03	1.17E-08	1.09E-04	2.35E-05	2.15E-03	2.56E-03	1.08E-02	8.15E-03	8.63E-04	2.24E-02
2101	495461.06	3859601.99	0.53786	0.35142	1.2754	0.27231	2.17E-03	1.05E-02	8.13E-03	8.60E-04	2.17E-02	1.98E-03	1.13E-08	1.08E-04	2.34E-05	2.11E-03	2.52E-03	1.05E-02	8.13E-03	8.60E-04	2.20E-02
2102	495511.06	3859601.99	0.52332	0.34235	1.2714	0.27042	2.12E-03	1.02E-02	8.11E-03	8.54E-04	2.13E-02	1.92E-03	1.10E-08	1.08E-04	2.33E-05	2.06E-03	2.45E-03	1.02E-02	8.11E-03	8.54E-04	2.16E-02
2103	495561.06	3859601.99	0.51423	0.34111	1.2645	0.26879	2.08E-03	1.02E-02	8.07E-03	8.49E-04	2.12E-02	1.89E-03	1.10E-08	1.08E-04	2.31E-05	2.02E-03	2.40E-03	1.02E-02	8.07E-03	8.49E-04	2.15E-02
2104	495611.06	3859601.99	0.4978	0.33085	1.2582	0.26579	2.01E-03	9.87E-03	8.03E-03	8.39E-04	2.07E-02	1.83E-03	1.07E-08	1.07E-04	2.29E-05	1.96E-03	2.33E-03	9.87E-03	8.03E-03	8.39E-04	2.11E-02
2105	495661.06	3859601.99	0.50258	0.32783	1.2495	0.26344	2.03E-03	9.78E-03	7.97E-03	8.32E-04	2.06E-02	1.85E-03	1.06E-08	1.06E-04	2.27E-05	1.98E-03	2.35E-03	9.78E-03	7.97E-03	8.32E-04	2.09E-02
2106	494311.06	3859651.99	0.6896	0.53273	1.1594	0.26435	2.79E-03	1.59E-02	7.40E-03	8.35E-04	2.69E-02	2.54E-03	1.72E-08	9.86E-05	2.28E-05	2.66E-03	3.22E-03	1.59E-02	7.40E-03	8.35E-04	2.73E-02
2107	494361.06	3859651.99	0.69544	0.49342	1.4568	0.27003	2.81E-03	1.47E-02	9.29E-03	8.53E-04	2.77E-02	2.56E-03	1.59E-08	1.24E-04	2.33E-05	2.70E-03	3.25E-03	1.47E-02	9.29E-03	8.53E-04	2.81E-02
2108	494411.06	3859651.99	0.69808	0.48172	1.5663	0.26913	2.82E-03	1.44E-02	9.99E-03	8.50E-04	2.80E-02	2.57E-03	1.55E-08	1.33E-04	2.32E-05	2.72E-03	3.26E-03	1.44E-02	9.99E-03	8.50E-04	2.85E-02
2109	494461.06	3859651.99	0.68146	0.48976	1.4956	0.2673	2.75E-03	1.46E-02	9.54E-03	8.44E-04	2.77E-02	2.51E-03	1.58E-08	1.27E-04	2.30E-05	2.66E-03	3.19E-03	1.46E-02	9.54E-03	8.44E-04	2.82E-02
2110	494511.06	3859651.99	0.673	0.47578	1.5277	0.26701	2.72E-03	1.42E-02	9.74E-03	8.43E-04	2.75E-02	2.47E-03	1.53E-08	1.30E-04	2.30E-05	2.63E-03	3.15E-03	1.42E-02	9.74E-03	8.43E-04	2.79E-02
2111	494561.06	3859651.99	0.66873	0.47301	1.4946	0.266	2.70E-03	1.41E-02	9.53E-03	8.40E-04	2.72E-02	2.46E-03	1.52E-08	1.27E-04	2.29E-05	2.61E-03	3.13E-03	1.41E-02	9.53E-03	8.40E-04	2.76E-02
2112	494611.06	3859651.99	0.66365	0.46972	1.4467	0.26584	2.68E-03	1.40E-02	9.23E-03	8.39E-04	2.68E-02	2.44E-03	1.51E-08	1.23E-04	2.29E-05	2.59E-03	3.10E-03	1.40E-02	9.23E-03	8.39E-04	2.72E-02
2113	494661.06	3859651.99	0.65627	0.44594	1.471	0.27144	2.65E-03	1.33E-02	9.38E-03	8.57E-04	2.62E-02	2.41E-03	1.44E-08	1.25E-04	2.34E-05	2.56E-03	3.07E-03	1.33E-02	9.38E-03	8.57E-04	2.66E-02
2114	494711.06	3859651.99	0.64978	0.43871	1.4129	0.27047	2.63E-03	1.31E-02	9.01E-03	8.54E-04	2.56E-02	2.39E-03	1.41E-08	1.20E-04	2.33E-05	2.53E-03	3.04E-03	1.31E-02	9.01E-03	8.54E-04	2.60E-02
2115	494761.06	3859651.99	0.65054	0.43513	1.35	0.26906	2.63E-03	1.30E-02	8.61E-03	8.50E-04	2.51E-02	2.39E-03	1.40E-08	1.15E-04	2.32E-05	2.53E-03	3.04E-03	1.30E-02	8.61E-03	8.50E-04	2.55E-02
2116	494811.06	3859651.99	0.6523	0.42027	1.3649	0.27085	2.64E-03	1.25E-02	8.71E-03	8.55E-04	2.47E-02	2.40E-03	1.35E-08	1.16E-04	2.33E-05	2.54E-03	3.05E-03	1.25E-02	8.71E-03	8.55E-04	2.51E-02
2117	494861.06	3859651.99	0.63987	0.4134	1.3413	0.27032	2.59E-03	1.23E-02	8.56E-03	8.54E-04	2.43E-02	2.35E-03	1.33E-08	1.14E-04	2.33E-05	2.49E-03	2.99E-03	1.23E-02	8.56E-03	8.54E-04	2.47E-02
2118	494911.06	3859651.99	0.62418	0.40639	1.3744	0.27102	2.52E-03	1.21E-02	8.77E-03	8.56E-04	2.43E-02	2.29E-03	1.31E-08	1.17E-04	2.33E-05	2.44E-03	2.92E-03	1.21E-02	8.77E-03	8.56E-04	2.47E-02
2119	494961.06	3859651.99	0.60834	0.40322	1.4015	0.27108	2.46E-03	1.20E-02	8.94E-03	8.56E-04	2.43E-02	2.24E-03	1.30E-08	1.19E-04	2.33E-05	2.38E-03	2.84E-03	1.20E-02	8.94E-03	8.56E-04	2.47E-02
2120	495011.06	3859651.99	0.59618	0.39792	1.4298	0.27176	2.41E-03	1.19E-02	9.12E-03	8.58E-04	2.43E-02	2.19E-03	1.28E-08	1.22E-04	2.34E-05	2.34E-03	2.79E-03	1.19E-02	9.12E-03	8.58E-04	2.46E-02
2121	495061.06	3859651.99	0.58577	0.39683	1.4007	0.27164	2.37E-03	1.18E-02	8.93E-03	8.58E-04	2.40E-02	2.15E-03	1.28E-08	1.19E-04	2.34E-05	2.30E-03	2.74E-03	1.18E-02	8.93E-03	8.58E-04	2.44E-02
2122	495111.06	3859651.99	0.57386	0.39034	1.3828	0.27294	2.32E-03	1.16E-02	8.82E-03	8.62E-04	2.36E-02	2.11E-03	1.26E-08	1.18E-04	2.35E-05	2.25E-03	2.68E-03	1.16E-02	8.82E-03	8.62E-04	2.40E-02
2123	495161.06	3859651.99	0.56639	0.38737	1.3354	0.27362	2.29E-03	1.16E-02	8.52E-03	8.64E-04	2.32E-02	2.08E-03	1.25E-08	1.14E-04	2.36E-05	2.22E-03	2.65E-03	1.16E-02	8.52E-03	8.64E-04	2.36E-02
2124	495211.06	3859651.99	0.56679	0.3863	1.2742	0.27406	2.29E-03	1.15E-02	8.13E-03	8.65E-04	2.28E-02	2.08E-03	1.25E-08	1.08E-04	2.36E-05	2.22E-03	2.65E-03	1.15E-02	8.13E-03	8.65E-04	2.32E-02
2125	495261.06	3859651.99	0.56804	0.3827	1.2322	0.27523	2.30E-03	1.14E-02	7.86E-03	8.69E-04	2.24E-02	2.09E-03	1.23E-08	1.05E-04	2.37E-05	2.22E-03	2.66E-03	1.14E-02	7.86E-03	8.69E-04	2.28E-02
2126	495311.06	3859651.99	0.56918	0.38058	1.2362	0.27626	2.30E-03	1.14E-02	7.89E-03	8.72E-04	2.24E-02	2.09E-03	1.23E-08	1.05E-04	2.38E-05	2.22E-03	2.66E-03	1.14E-02	7.89E-03	8.72E-04	2.28E-02
2127	495361.06	3859651.99	0.56992	0.37919	1.2405	0.27731	2.30E-03	1.13E-02	7.91E-03	8.76E-04	2.24E-02	2.10E-03	1.22E-08	1.05E-04	2.39E-05	2.22E-03	2.67E-03	1.13E-02	7.91E-03	8.76E-04	2.28E-02
2128	495411.06	3859651.99	0.56948	0.37558	1.2441	0.27902	2.30E-03	1.12E-02	7.94E-03	8.81E-04	2.23E-02	2.09E-03	1.21E-08	1.06E-04	2.40E-05	2.22E-03	2.66E-03	1.12E-02	7.94E-03	8.81E-04	2.27E-02
2129	495461.06	3859651.99	0.5589	0.36568	1.2482	0.28008	2.26E-03	1.09E-02	7.96E-03	8.84E-04	2.20E-02	2.05E-03	1.18E-08	1.06E-04	2.41E-05	2.19E-03	2.61E-03	1.09E-02	7.96E-03	8.84E-04	2.24E-02
2130	495511.06	3859651.99	0.54492	0.35714	1.2502	0.27602	2.20E-03	1.07E-02	7.97E-03	8.71E-04	2.17E-02	2.00E-03	1.15E-08	1.06E-04	2.38E-05	2.13E-03	2.55E-03	1.07E-02	7.97E-03	8.71E-04	2.20E-02
2131	495561.06	3859651.99	0.54119	0.35331	1.2495	0.27476	2.19E-03	1.05E-02	7.97E-03	8.68E-04	2.16E-02	1.99E-03	1.14E-08	1.06E-04	2.37E-05	2.12E-03	2.53E-03	1.05E-02	7.97E-03	8.68E-04	2.19E-02

2132	495611.06	3859651.99	0.53016	0.34734	1.2482	0.27181	2.14E-03	1.04E-02	7.96E-03	8.58E-04	2.13E-02	1.95E-03	1.12E-08	1.06E-04	2.34E-05	2.08E-03	2.48E-03	1.04E-02	7.96E-03	8.58E-04	2.17E-02
2133	495661.06	3859651.99	0.51753	0.34067	1.2459	0.26817	2.09E-03	1.02E-02	7.95E-03	8.47E-04	2.10E-02	1.90E-03	1.10E-08	1.06E-04	2.31E-05	2.03E-03	2.42E-03	1.02E-02	7.95E-03	8.47E-04	2.14E-02
2134	494311.06	3859701.99	0.69262	0.50941	1.1978	0.27339	2.80E-03	1.52E-02	7.64E-03	8.63E-04	2.65E-02	2.55E-03	1.64E-08	1.02E-04	2.35E-05	2.67E-03	3.24E-03	1.52E-02	7.64E-03	8.63E-04	2.69E-02
2135	494361.06	3859701.99	0.68818	0.49778	1.18	0.27252	2.78E-03	1.49E-02	7.53E-03	8.60E-04	2.60E-02	2.53E-03	1.60E-08	1.00E-04	2.35E-05	2.65E-03	3.22E-03	1.49E-02	7.53E-03	8.60E-04	2.65E-02
2136	494411.06	3859701.99	0.68112	0.49541	1.2011	0.27144	2.75E-03	1.48E-02	7.66E-03	8.57E-04	2.61E-02	2.50E-03	1.60E-08	1.02E-04	2.34E-05	2.63E-03	3.19E-03	1.48E-02	7.66E-03	8.57E-04	2.65E-02
2137	494461.06	3859701.99	0.68188	0.51123	1.1372	0.26542	2.76E-03	1.53E-02	7.25E-03	8.38E-04	2.61E-02	2.51E-03	1.65E-08	9.67E-05	2.29E-05	2.63E-03	3.19E-03	1.53E-02	7.25E-03	8.38E-04	2.65E-02
2138	494511.06	3859701.99	0.68766	0.50084	1.2208	0.26511	2.78E-03	1.49E-02	7.79E-03	8.37E-04	2.63E-02	2.53E-03	1.61E-08	1.04E-04	2.28E-05	2.65E-03	3.22E-03	1.49E-02	7.79E-03	8.37E-04	2.68E-02
2139	494561.06	3859701.99	0.67787	0.49644	1.2721	0.26307	2.74E-03	1.48E-02	8.11E-03	8.31E-04	2.65E-02	2.49E-03	1.60E-08	1.08E-04	2.27E-05	2.62E-03	3.17E-03	1.48E-02	8.11E-03	8.31E-04	2.69E-02
2140	494611.06	3859701.99	0.66654	0.49047	1.3345	0.26163	2.69E-03	1.46E-02	8.51E-03	8.26E-04	2.67E-02	2.45E-03	1.58E-08	1.13E-04	2.25E-05	2.59E-03	3.12E-03	1.46E-02	8.51E-03	8.26E-04	2.71E-02
2141	494661.06	3859701.99	0.66296	0.46294	1.6026	0.26662	2.68E-03	1.38E-02	1.02E-02	8.42E-04	2.76E-02	2.44E-03	1.49E-08	1.36E-04	2.30E-05	2.60E-03	3.10E-03	1.38E-02	1.02E-02	8.42E-04	2.80E-02
2142	494711.06	3859701.99	0.6587	0.46555	1.5254	0.26554	2.66E-03	1.39E-02	9.73E-03	8.38E-04	2.71E-02	2.42E-03	1.50E-08	1.30E-04	2.29E-05	2.57E-03	3.08E-03	1.39E-02	9.73E-03	8.38E-04	2.75E-02
2143	494761.06	3859701.99	0.65321	0.45233	1.5031	0.26735	2.64E-03	1.35E-02	9.59E-03	8.44E-04	2.66E-02	2.40E-03	1.46E-08	1.28E-04	2.30E-05	2.55E-03	3.05E-03	1.35E-02	9.59E-03	8.44E-04	2.70E-02
2144	494811.06	3859701.99	0.64674	0.43887	1.4787	0.26849	2.61E-03	1.31E-02	9.43E-03	8.48E-04	2.60E-02	2.38E-03	1.41E-08	1.26E-04	2.31E-05	2.53E-03	3.02E-03	1.31E-02	9.43E-03	8.48E-04	2.64E-02
2145	494861.06	3859701.99	0.64066	0.43804	1.3972	0.26662	2.59E-03	1.31E-02	8.91E-03	8.42E-04	2.54E-02	2.36E-03	1.41E-08	1.19E-04	2.30E-05	2.50E-03	3.00E-03	1.31E-02	8.91E-03	8.42E-04	2.58E-02
2146	494911.06	3859701.99	0.63644	0.42729	1.3587	0.26581	2.57E-03	1.27E-02	8.67E-03	8.39E-04	2.48E-02	2.34E-03	1.38E-08	1.16E-04	2.29E-05	2.48E-03	2.98E-03	1.27E-02	8.67E-03	8.39E-04	2.52E-02
2147	494961.06	3859701.99	0.63948	0.41704	1.3168	0.26593	2.58E-03	1.24E-02	8.40E-03	8.40E-04	2.43E-02	2.35E-03	1.34E-08	1.12E-04	2.29E-05	2.49E-03	2.99E-03	1.24E-02	8.40E-03	8.40E-04	2.47E-02
2148	495011.06	3859701.99	0.62563	0.41416	1.307	0.26477	2.53E-03	1.24E-02	8.34E-03	8.36E-04	2.41E-02	2.30E-03	1.33E-08	1.11E-04	2.28E-05	2.43E-03	2.93E-03	1.24E-02	8.34E-03	8.36E-04	2.45E-02
2149	495061.06	3859701.99	0.61029	0.40976	1.2978	0.26481	2.47E-03	1.22E-02	8.28E-03	8.36E-04	2.38E-02	2.24E-03	1.32E-08	1.10E-04	2.28E-05	2.38E-03	2.85E-03	1.22E-02	8.28E-03	8.36E-04	2.42E-02
2150	495111.06	3859701.99	0.59764	0.4052	1.3266	0.26506	2.42E-03	1.21E-02	8.46E-03	8.37E-04	2.38E-02	2.20E-03	1.31E-08	1.13E-04	2.28E-05	2.33E-03	2.79E-03	1.21E-02	8.46E-03	8.37E-04	2.42E-02
2151	495161.06	3859701.99	0.58714	0.3995	1.3557	0.26579	2.37E-03	1.19E-02	8.65E-03	8.39E-04	2.38E-02	2.16E-03	1.29E-08	1.15E-04	2.29E-05	2.30E-03	2.75E-03	1.19E-02	8.65E-03	8.39E-04	2.42E-02
2152	495211.06	3859701.99	0.57593	0.39326	1.3733	0.2668	2.33E-03	1.17E-02	8.76E-03	8.42E-04	2.37E-02	2.12E-03	1.27E-08	1.17E-04	2.30E-05	2.26E-03	2.69E-03	1.17E-02	8.76E-03	8.42E-04	2.40E-02
2153	495261.06	3859701.99	0.56521	0.39546	1.2858	0.26555	2.28E-03	1.18E-02	8.20E-03	8.38E-04	2.31E-02	2.08E-03	1.27E-08	1.09E-04	2.29E-05	2.21E-03	2.64E-03	1.18E-02	8.20E-03	8.38E-04	2.35E-02
2154	495311.06	3859701.99	0.56302	0.39015	1.2634	0.26667	2.28E-03	1.16E-02	8.06E-03	8.42E-04	2.28E-02	2.07E-03	1.26E-08	1.07E-04	2.30E-05	2.20E-03	2.63E-03	1.16E-02	8.06E-03	8.42E-04	2.32E-02
2155	495361.06	3859701.99	0.56235	0.38563	1.2332	0.2677	2.27E-03	1.15E-02	7.87E-03	8.45E-04	2.25E-02	2.07E-03	1.24E-08	1.05E-04	2.31E-05	2.20E-03	2.63E-03	1.15E-02	7.87E-03	8.45E-04	2.28E-02
2156	495411.06	3859701.99	0.56278	0.37783	1.227	0.26975	2.27E-03	1.13E-02	7.83E-03	8.52E-04	2.22E-02	2.07E-03	1.22E-08	1.04E-04	2.32E-05	2.20E-03	2.63E-03	1.13E-02	7.83E-03	8.52E-04	2.26E-02
2157	495461.06	3859701.99	0.5632	0.37274	1.1982	0.2712	2.28E-03	1.11E-02	7.64E-03	8.56E-04	2.19E-02	2.07E-03	1.20E-08	1.02E-04	2.34E-05	2.20E-03	2.63E-03	1.11E-02	7.64E-03	8.56E-04	2.23E-02
2158	495511.06	3859701.99	0.56014	0.35994	1.2197	0.27435	2.26E-03	1.07E-02	7.78E-03	8.66E-04	2.16E-02	2.06E-03	1.16E-08	1.04E-04	2.36E-05	2.19E-03	2.62E-03	1.07E-02	7.78E-03	8.66E-04	2.20E-02
2159	495561.06	3859701.99	0.56236	0.36393	1.21	0.27424	2.27E-03	1.09E-02	7.72E-03	8.66E-04	2.17E-02	2.07E-03	1.17E-08	1.03E-04	2.36E-05	2.19E-03	2.63E-03	1.09E-02	7.72E-03	8.66E-04	2.21E-02
2160	495611.06	3859701.99	0.54631	0.3583	1.2141	0.27593	2.21E-03	1.07E-02	7.74E-03	8.71E-04	2.15E-02	2.01E-03	1.15E-08	1.03E-04	2.38E-05	2.14E-03	2.55E-03	1.07E-02	7.74E-03	8.71E-04	2.19E-02
2161	495661.06	3859701.99	0.54176	0.35197	1.2172	0.27792	2.19E-03	1.05E-02	7.76E-03	8.77E-04	2.13E-02	1.99E-03	1.13E-08	1.04E-04	2.39E-05	2.12E-03	2.53E-03	1.05E-02	7.76E-03	8.77E-04	2.17E-02
2162	494311.06	3859751.99	0.68799	0.54238	1.1048	0.27041	2.78E-03	1.62E-02	7.05E-03	8.54E-04	2.69E-02	2.53E-03	1.75E-08	9.40E-05	2.33E-05	2.65E-03	3.22E-03	1.62E-02	7.05E-03	8.54E-04	2.73E-02
2163	494361.06	3859751.99	0.68586	0.53257	1.0832	0.27157	2.77E-03	1.59E-02	6.91E-03	8.57E-04	2.64E-02	2.52E-03	1.72E-08	9.21E-05	2.34E-05	2.64E-03	3.21E-03	1.59E-02	6.91E-03	8.57E-04	2.69E-02
2164	494411.06	3859751.99	0.6832	0.5196	1.1516	0.27271	2.76E-03	1.55E-02	7.35E-03	8.61E-04	2.65E-02	2.51E-03	1.67E-08	9.79E-05	2.35E-05	2.63E-03	3.20E-03	1.55E-02	7.35E-03	8.61E-04	2.69E-02
2165	494461.06	3859751.99	0.6748	0.52926	1.1765	0.26464	2.73E-03	1.58E-02	7.50E-03	8.36E-04	2.69E-02	2.48E-03	1.71E-08	1.00E-04	2.28E-05	2.60E-03	3.16E-03	1.58E-02	7.50E-03	8.36E-04	2.73E-02
2166	494511.06	3859751.99	0.66694	0.53127	1.1653	0.26171	2.70E-03	1.58E-02	7.43E-03	8.26E-04	2.68E-02	2.45E-03	1.71E-08	9.91E-05	2.25E-05	2.57E-03	3.12E-03	1.58E-02	7.43E-03	8.26E-04	2.72E-02
2167	494561.06	3859751.99	0.66669	0.5201	1.1474	0.26112	2.69E-03	1.55E-02	7.32E-03	8.24E-04	2.64E-02	2.45E-03	1.68E-08	9.76E-05	2.25E-05	2.57E-03	3.12E-03	1.55E-02	7.32E-03	8.24E-04	2.68E-02
2168	494611.06	3859751.99	0.67359	0.50696	1.1287	0.26074	2.72E-03	1.51E-02	7.20E-03	8.23E-04	2.59E-02	2.48E-03	1.63E-08	9.60E-05	2.25E-05	2.59E-03	3.15E-03	1.51E-02	7.20E-03	8.23E-04	2.63E-02
2169	494661.06	3859751.99	0.67552	0.47981	1.1965	0.26617	2.73E-03	1.43E-02	7.63E-03	8.40E-04	2.55E-02	2.48E-03	1.55E-08	1.02E-04	2.29E-05	2.61E-03	3.16E-03	1.43E-02	7.63E-03	8.40E-04	2.59E-02
2170	494711.06	3859751.99	0.65994	0.48442	1.2178	0.2622	2.67E-03	1.45E-02	7.77E-03	8.28E-04	2.57E-02	2.43E-03	1.56E-08	1.04E-04	2.26E-05	2.55E-03	3.09E-03	1.45E-02	7.77E-03	8.28E-04	2.61E-02
2171	494761.06	3859751.99	0.65697	0.48003	1.2689	0.26021	2.66E-03	1.43E-02	8.09E-03	8.22E-04	2.59E-02	2.42E-03	1.55E-08	1.08E-04	2.24E-05	2.55E-03	3.07E-03	1.43E-02	8.09E-03	8.22E-04	2.63E-02
2172	494811.06	3859751.99	0.65346	0.47011	1.3811	0.26101	2.64E-03	1.40E-02	8.81E-03	8.24E-04	2.63E-02	2.40E-03	1.52E-08	1.17E-04	2.25E-05	2.54E-03	3.06E-03	1.40E-02	8.81E-03	8.24E-04	2.67E-02
2173	494861.06	3859751.99	0.64887	0.46404	1.4158	0.25995	2.62E-03	1.38E-02	9.03E-03	8.21E-04	2.63E-02	2.39E-03	1.50E-08	1.20E-04	2.24E-05	2.53E-03	3.03E-03	1.38E-02	9.03E-03	8.21E-04	2.67E-02
2174	494911.06	3859751.99	0.64347	0.4577	1.4056	0.25918	2.60E-03	1.37E-02	8.97E-03	8.18E-04	2.60E-02	2.37E-03	1.48E-08	1.20E-04	2.23E-05	2.51E-03	3.01E-03	1.37E-02	8.97E-03	8.18E-04	2.64E-02
2175	494961.06	3859751.99	0.63746	0.45143	1.3929	0.2585	2.58E-03	1.35E-02	8.88E-03	8.16E-04	2.57E-02	2.34E-03	1.45E-08	1.18E-04	2.23E-05	2.48E-03	2.98E-03	1.35E-02	8.88E-03	8.16E-04	2.61E-02
2176	495011.06	3859751.99	0.63083	0.44438	1.3722	0.25997	2.55E-03	1.33E-02	8.75E-03	8.21E-04	2.54E-02	2.32E-03	1.43E-08	1.17E-04	2.24E-05	2.46E-03	2.95E-03	1.33E-02	8.75E-03	8.21E-04	2.58E-02
2177	495061.06	3859751.99	0.6245	0.44009	1.3188	0.26105	2.52E-03	1.31E-02	8.41E-03	8.24E-04	2.49E-02	2.30E-03	1.42E-08	1.12E-04	2.25E-05	2.43E-03	2.92E-03	1.31E-02	8.41E-03	8.24E-04	2.53E-02
2178	495111.06	3859751.99	0.62561	0.43327	1.2783	0.26533	2.53E-03	1.29E-02	8.15E-03	8.38E-04	2.44E-02	2.30E-03	1.40E-08	1.09E-04	2.28E-05	2.43E-03	2.93E-03	1.29E-02	8.15E-03	8.38E-04	2.48E-02
2179	495161.06	3859751.99	0.61093	0.42562	1.2409	0.26556	2.47E-03	1.27E-02	7.92E-03	8.38E-04	2.39E-02	2.25E-03	1.37E-08	1.06E-04	2.29E-05	2.37E-03	2.86E-03	1.27E-02	7.92E-03	8.38E-04	2.43E-02
2180	495211.06	3859751.99	0.5974	0.41709	1.2589	0.26475	2.41E-03	1.24E-02	8.03E-03	8.36E-04	2.37E-02	2.20E-03	1.34E-08	1.07E-04	2.28E-05	2.33E-03	2.79E-03	1.24E-02	8.03E-03	8.36E-04	2.41E-02
2181	495261.06	3859751.99	0.58768	0.41301	1.2555	0.26412	2.38E-03	1.23E-02	8.01E-03	8.34E-04	2.35E-02	2.16E-03	1.33E-08	1.07E-04	2.27E-05	2.29E-03	2.75E-03	1.23E-02	8.01E-03	8.34E-04	2.39E-02
2182	495311.06	3859751.99	0.57729	0.40562	1.2841	0.26337	2.33E-03	1.21E-02	8.19E-03	8.32E-04	2.35E-02	2.12E-03	1.31E-08	1.09E-04	2.27E-05	2.25E-03	2.70E-03	1.21E-02	8.19E-03	8.32E-04	2.38E-02
2183	495361.06	3859751.99	0.56636	0.39929	1.2696	0.26265	2.29E-03	1.19E-02	8.10E-03	8.29E-04	2.31E-02	2.08E-03	1.29E-08	1.08E-04	2.26E-05	2.21E-03	2.65E-03	1.19E-02	8.10E-03	8.29E-04	2.35E-02
2184	495411.06	3859751.99	0.55845	0.39326	1.2434	0.26194	2.26E-03	1.17E-02	7.93E-03	8.27E-04	2.27E-02	2.05E-03	1.27E-08	1.06E-04	2.26E-05	2.18E-03	2.61E-03	1.17E-02	7.93E-03	8.27E-04	2.31E-02
2185	495461.06	3859751.99	0.55733	0.38545	1.2539	0.26157	2.25E-03	1.15E-02	8.00E-03	8.26E-04	2.26E-02	2.05E-03	1.24E-08	1.07E-04	2.25E-05	2.18E-03	2.61E-03	1.15E-02	8.00E-03	8.26E-04	2.29E-02
2186	495511.06	3859751.99	0.55556	0.37672	1.2608	0.26363	2.25E-03	1.12E-02	8.04E-03	8.32E-04	2.24E-02	2.04E-03	1.21E-08	1.07E-04	2.27E-05	2.17E-03	2.60E-03	1.12E-02	8.04E-03	8.32E-04	2.27E-02
2187	495561.06	3859751.99	0.55697	0.37092	1.2304	0.26455	2.25E-03	1.11E-02	7.85E-03	8.35E-04	2.20E-02	2.05E-03	1.20E-08	1.05E-04	2.28E-05	2.18E-03	2.60E-03	1.11E-02	7.85E-03	8.35E-04	2.24E-02
2188	495611.06	3859751.99	0.55767	0.36541	1.198	0.26558	2.25E-03	1.09E-02	7.64E-03	8.39E-04	2.16E-02	2.05E-03	1.18E-08	1.02E-04	2.29E-05	2.18E-03	2.61E-03	1.09E-02	7.64E-03	8.39E-04	2.20E-02
2189	495661.06	3859751.99	0.55831	0.3614	1.1666	0.26618	2.26E-03	1.08E-02	7.44E-03	8.40E-04	2.13E-02	2.05E-03	1.16E-08	9.92E-05	2.29E-05	2.17E-03	2.61E-03	1.08E-02	7.44E-03	8.40E-04	2.17E-02
2190	494311.06	3859801.99	0.70064	0.57291	1.0988	0.2643	2.83E-03	1.71E-02	7.01E-03	8.34E-04	2.78E-02	2.58E-03	1.85E-08	9.34E-05	2.28E-05	2.69E-03	3.28E-03	1.71E-02	7.01E-03	8.34E-04	2.82E-02
2191	494361.06	3859801.99	0.68781	0.55742	1.1374	0.26767	2.78E-03	1.66E-02	7.26E-03	8.45E-04	2.75E-02	2.53E-03	1.80E-08	9.67E-05	2.30E-05	2.65E-03	3.22E-03	1.66E-02	7.26E-03	8.45E-04	2.79E-02
2192	494411.06	3859801.99	0.67858	0.5384	1.1164	0.27156	2.74E-03	1.61E-02	7.12E-03	8.57E-04	2.68E-02	2.49E-03	1.74E-08	9.49E-05	2.34E-05	2.61E-03	3.17E-03	1.61E-02	7.12E-03	8.57E-04	2.72E-02

2193	494461.06	3859801.99	0.67236	0.54794	1.0968	0.26334	2.72E-03	1.63E-02	7.00E-03	8.31E-04	2.69E-02	2.47E-03	1.77E-08	9.33E-05	2.27E-05	2.59E-03	3.14E-03	1.63E-02	7.00E-03	8.31E-04	2.73E-02
2194	494511.06	3859801.99	0.66367	0.5554	1.0771	0.25991	2.68E-03	1.66E-02	6.87E-03	8.21E-04	2.69E-02	2.44E-03	1.79E-08	9.16E-05	2.24E-05	2.55E-03	3.10E-03	1.66E-02	6.87E-03	8.21E-04	2.74E-02
2195	494561.06	3859801.99	0.66013	0.55034	1.0561	0.25933	2.67E-03	1.64E-02	6.74E-03	8.19E-04	2.66E-02	2.43E-03	1.77E-08	8.98E-05	2.23E-05	2.54E-03	3.09E-03	1.64E-02	6.74E-03	8.19E-04	2.71E-02
2196	494611.06	3859801.99	0.66048	0.52534	1.1074	0.26539	2.67E-03	1.57E-02	7.06E-03	8.38E-04	2.62E-02	2.43E-03	1.69E-08	9.42E-05	2.29E-05	2.55E-03	3.09E-03	1.57E-02	7.06E-03	8.38E-04	2.67E-02
2197	494661.06	3859801.99	0.65523	0.51452	1.1543	0.26482	2.65E-03	1.53E-02	7.36E-03	8.36E-04	2.62E-02	2.41E-03	1.66E-08	9.82E-05	2.28E-05	2.53E-03	3.06E-03	1.53E-02	7.36E-03	8.36E-04	2.66E-02
2198	494711.06	3859801.99	0.66019	0.5007	1.138	0.26454	2.67E-03	1.49E-02	7.26E-03	8.35E-04	2.57E-02	2.43E-03	1.61E-08	9.68E-05	2.28E-05	2.55E-03	3.09E-03	1.49E-02	7.26E-03	8.35E-04	2.61E-02
2199	494761.06	3859801.99	0.66502	0.50301	1.1195	0.26246	2.69E-03	1.50E-02	7.14E-03	8.29E-04	2.57E-02	2.44E-03	1.62E-08	9.52E-05	2.26E-05	2.56E-03	3.11E-03	1.50E-02	7.14E-03	8.29E-04	2.61E-02
2200	494811.06	3859801.99	0.65469	0.49258	1.1009	0.26181	2.65E-03	1.47E-02	7.02E-03	8.27E-04	2.52E-02	2.41E-03	1.59E-08	9.36E-05	2.25E-05	2.52E-03	3.06E-03	1.47E-02	7.02E-03	8.27E-04	2.56E-02
2201	494861.06	3859801.99	0.64898	0.48595	1.0812	0.26072	2.62E-03	1.45E-02	6.90E-03	8.23E-04	2.48E-02	2.39E-03	1.57E-08	9.19E-05	2.25E-05	2.50E-03	3.04E-03	1.45E-02	6.90E-03	8.23E-04	2.53E-02
2202	494911.06	3859801.99	0.64634	0.47877	1.1319	0.26016	2.61E-03	1.43E-02	7.22E-03	8.21E-04	2.49E-02	2.38E-03	1.54E-08	9.63E-05	2.24E-05	2.49E-03	3.02E-03	1.43E-02	7.22E-03	8.21E-04	2.53E-02
2203	494961.06	3859801.99	0.64288	0.47585	1.1973	0.25919	2.60E-03	1.42E-02	7.64E-03	8.18E-04	2.53E-02	2.36E-03	1.53E-08	1.02E-04	2.23E-05	2.49E-03	3.01E-03	1.42E-02	7.64E-03	8.18E-04	2.57E-02
2204	495011.06	3859801.99	0.63825	0.46998	1.2731	0.25827	2.58E-03	1.40E-02	8.12E-03	8.15E-04	2.55E-02	2.35E-03	1.51E-08	1.08E-04	2.22E-05	2.48E-03	2.98E-03	1.40E-02	8.12E-03	8.15E-04	2.59E-02
2205	495061.06	3859801.99	0.63268	0.46548	1.2892	0.25714	2.56E-03	1.39E-02	8.22E-03	8.12E-04	2.55E-02	2.33E-03	1.50E-08	1.10E-04	2.21E-05	2.46E-03	2.96E-03	1.39E-02	8.22E-03	8.12E-04	2.59E-02
2206	495111.06	3859801.99	0.62693	0.45499	1.3117	0.25634	2.53E-03	1.36E-02	8.37E-03	8.09E-04	2.53E-02	2.30E-03	1.47E-08	1.12E-04	2.21E-05	2.44E-03	2.93E-03	1.36E-02	8.37E-03	8.09E-04	2.57E-02
2207	495161.06	3859801.99	0.62025	0.44564	1.3238	0.25543	2.51E-03	1.33E-02	8.44E-03	8.06E-04	2.51E-02	2.28E-03	1.44E-08	1.13E-04	2.20E-05	2.41E-03	2.90E-03	1.33E-02	8.44E-03	8.06E-04	2.54E-02
2208	495211.06	3859801.99	0.61277	0.4411	1.2972	0.25426	2.48E-03	1.32E-02	8.27E-03	8.03E-04	2.47E-02	2.25E-03	1.42E-08	1.10E-04	2.19E-05	2.39E-03	2.87E-03	1.32E-02	8.27E-03	8.03E-04	2.51E-02
2209	495261.06	3859801.99	0.6105	0.43118	1.2868	0.2597	2.47E-03	1.29E-02	8.21E-03	8.20E-04	2.44E-02	2.24E-03	1.39E-08	1.09E-04	2.24E-05	2.38E-03	2.86E-03	1.29E-02	8.21E-03	8.20E-04	2.47E-02
2210	495311.06	3859801.99	0.59595	0.42756	1.2375	0.25964	2.41E-03	1.28E-02	7.89E-03	8.20E-04	2.39E-02	2.19E-03	1.38E-08	1.05E-04	2.24E-05	2.32E-03	2.79E-03	1.28E-02	7.89E-03	8.20E-04	2.43E-02
2211	495361.06	3859801.99	0.58672	0.42012	1.2	0.26506	2.37E-03	1.25E-02	7.65E-03	8.37E-04	2.34E-02	2.16E-03	1.35E-08	1.02E-04	2.28E-05	2.28E-03	2.74E-03	1.25E-02	7.65E-03	8.37E-04	2.38E-02
2212	495411.06	3859801.99	0.57694	0.41042	1.2236	0.26424	2.33E-03	1.22E-02	7.80E-03	8.34E-04	2.32E-02	2.12E-03	1.32E-08	1.04E-04	2.28E-05	2.25E-03	2.70E-03	1.22E-02	7.80E-03	8.34E-04	2.36E-02
2213	495461.06	3859801.99	0.56649	0.4045	1.2269	0.26351	2.29E-03	1.21E-02	7.83E-03	8.32E-04	2.30E-02	2.08E-03	1.30E-08	1.04E-04	2.27E-05	2.21E-03	2.65E-03	1.21E-02	7.83E-03	8.32E-04	2.34E-02
2214	495511.06	3859801.99	0.55531	0.39174	1.2599	0.26258	2.24E-03	1.17E-02	8.04E-03	8.29E-04	2.28E-02	2.04E-03	1.26E-08	1.07E-04	2.26E-05	2.17E-03	2.60E-03	1.17E-02	8.04E-03	8.29E-04	2.31E-02
2215	495561.06	3859801.99	0.55191	0.38818	1.2647	0.26191	2.23E-03	1.16E-02	8.07E-03	8.27E-04	2.27E-02	2.03E-03	1.25E-08	1.08E-04	2.26E-05	2.16E-03	2.58E-03	1.16E-02	8.07E-03	8.27E-04	2.31E-02
2216	495611.06	3859801.99	0.55197	0.39025	1.1964	0.26142	2.23E-03	1.16E-02	7.63E-03	8.25E-04	2.23E-02	2.03E-03	1.26E-08	1.02E-04	2.25E-05	2.15E-03	2.58E-03	1.16E-02	7.63E-03	8.25E-04	2.27E-02
2217	495661.06	3859801.99	0.55068	0.38297	1.2048	0.26054	2.23E-03	1.14E-02	7.68E-03	8.23E-04	2.22E-02	2.02E-03	1.23E-08	1.02E-04	2.24E-05	2.15E-03	2.58E-03	1.14E-02	7.68E-03	8.23E-04	2.25E-02
2218	494311.06	3859851.99	0.72548	0.59794	0.9286	0.25865	2.93E-03	1.78E-02	5.92E-03	8.17E-04	2.75E-02	2.67E-03	1.93E-08	7.90E-05	2.23E-05	2.77E-03	3.39E-03	1.78E-02	5.92E-03	8.17E-04	2.80E-02
2219	494361.06	3859851.99	0.71677	0.58618	0.9874	0.26012	2.90E-03	1.75E-02	6.30E-03	8.21E-04	2.75E-02	2.64E-03	1.89E-08	8.40E-05	2.24E-05	2.74E-03	3.35E-03	1.75E-02	6.30E-03	8.21E-04	2.80E-02
2220	494411.06	3859851.99	0.69402	0.5712	1.0688	0.26305	2.81E-03	1.70E-02	6.82E-03	8.31E-04	2.75E-02	2.55E-03	1.84E-08	9.09E-05	2.27E-05	2.67E-03	3.25E-03	1.70E-02	6.82E-03	8.31E-04	2.79E-02
2221	494461.06	3859851.99	0.68051	0.56285	1.1064	0.26272	2.75E-03	1.68E-02	7.06E-03	8.30E-04	2.74E-02	2.50E-03	1.81E-08	9.41E-05	2.26E-05	2.62E-03	3.18E-03	1.68E-02	7.06E-03	8.30E-04	2.79E-02
2222	494511.06	3859851.99	0.664	0.56249	1.0505	0.2562	2.68E-03	1.68E-02	6.70E-03	8.09E-04	2.70E-02	2.44E-03	1.81E-08	8.93E-05	2.21E-05	2.55E-03	3.11E-03	1.68E-02	6.70E-03	8.09E-04	2.74E-02
2223	494561.06	3859851.99	0.65239	0.56332	0.973	0.25529	2.64E-03	1.68E-02	6.21E-03	8.06E-04	2.65E-02	2.40E-03	1.82E-08	8.28E-05	2.20E-05	2.50E-03	3.05E-03	1.68E-02	6.21E-03	8.06E-04	2.69E-02
2224	494611.06	3859851.99	0.65797	0.54157	1.0881	0.25689	2.66E-03	1.62E-02	6.94E-03	8.11E-04	2.66E-02	2.42E-03	1.75E-08	9.25E-05	2.21E-05	2.53E-03	3.08E-03	1.62E-02	6.94E-03	8.11E-04	2.70E-02
2225	494661.06	3859851.99	0.65205	0.53843	1.0685	0.25427	2.64E-03	1.61E-02	6.82E-03	8.03E-04	2.63E-02	2.40E-03	1.74E-08	9.09E-05	2.19E-05	2.51E-03	3.05E-03	1.61E-02	6.82E-03	8.03E-04	2.67E-02
2226	494711.06	3859851.99	0.65127	0.52284	1.0476	0.26497	2.63E-03	1.56E-02	6.68E-03	8.37E-04	2.57E-02	2.39E-03	1.69E-08	8.91E-05	2.28E-05	2.51E-03	3.05E-03	1.56E-02	6.68E-03	8.37E-04	2.62E-02
2227	494761.06	3859851.99	0.64189	0.52915	1.028	0.2531	2.59E-03	1.58E-02	6.56E-03	7.99E-04	2.57E-02	2.36E-03	1.71E-08	8.74E-05	2.18E-05	2.47E-03	3.00E-03	1.58E-02	6.56E-03	7.99E-04	2.61E-02
2228	494811.06	3859851.99	0.64334	0.52081	1.0763	0.25796	2.60E-03	1.55E-02	6.86E-03	8.14E-04	2.58E-02	2.37E-03	1.68E-08	9.15E-05	2.22E-05	2.48E-03	3.01E-03	1.55E-02	6.86E-03	8.14E-04	2.62E-02
2229	494861.06	3859851.99	0.6493	0.5169	1.1065	0.25589	2.62E-03	1.54E-02	7.06E-03	8.08E-04	2.59E-02	2.39E-03	1.67E-08	9.41E-05	2.20E-05	2.50E-03	3.04E-03	1.54E-02	7.06E-03	8.08E-04	2.63E-02
2230	494911.06	3859851.99	0.64888	0.50344	1.1098	0.2644	2.62E-03	1.50E-02	7.08E-03	8.35E-04	2.56E-02	2.39E-03	1.62E-08	9.44E-05	2.28E-05	2.50E-03	3.03E-03	1.50E-02	7.08E-03	8.35E-04	2.60E-02
2231	494961.06	3859851.99	0.63993	0.4967	1.0924	0.26359	2.59E-03	1.48E-02	6.97E-03	8.32E-04	2.52E-02	2.35E-03	1.60E-08	9.29E-05	2.27E-05	2.47E-03	2.99E-03	1.48E-02	6.97E-03	8.32E-04	2.56E-02
2232	495011.06	3859851.99	0.63787	0.49049	1.0742	0.26279	2.58E-03	1.46E-02	6.85E-03	8.30E-04	2.49E-02	2.35E-03	1.58E-08	9.14E-05	2.26E-05	2.46E-03	2.98E-03	1.46E-02	6.85E-03	8.30E-04	2.53E-02
2233	495061.06	3859851.99	0.63454	0.48728	1.0551	0.26175	2.56E-03	1.45E-02	6.73E-03	8.26E-04	2.47E-02	2.33E-03	1.57E-08	8.97E-05	2.25E-05	2.45E-03	2.97E-03	1.45E-02	6.73E-03	8.26E-04	2.51E-02
2234	495111.06	3859851.99	0.63152	0.47602	1.0424	0.26127	2.55E-03	1.42E-02	6.65E-03	8.25E-04	2.42E-02	2.32E-03	1.53E-08	8.87E-05	2.25E-05	2.43E-03	2.95E-03	1.42E-02	6.65E-03	8.25E-04	2.46E-02
2235	495161.06	3859851.99	0.62709	0.47046	1.1159	0.26048	2.53E-03	1.40E-02	7.12E-03	8.22E-04	2.45E-02	2.31E-03	1.52E-08	9.49E-05	2.24E-05	2.42E-03	2.93E-03	1.40E-02	7.12E-03	8.22E-04	2.49E-02
2236	495211.06	3859851.99	0.62177	0.46707	1.1846	0.25958	2.51E-03	1.39E-02	7.56E-03	8.20E-04	2.48E-02	2.29E-03	1.51E-08	1.01E-04	2.24E-05	2.41E-03	2.91E-03	1.39E-02	7.56E-03	8.20E-04	2.52E-02
2237	495261.06	3859851.99	0.61582	0.4614	1.2255	0.25875	2.49E-03	1.38E-02	7.82E-03	8.17E-04	2.49E-02	2.26E-03	1.49E-08	1.04E-04	2.23E-05	2.39E-03	2.88E-03	1.38E-02	7.82E-03	8.17E-04	2.53E-02
2238	495311.06	3859851.99	0.60888	0.45631	1.2083	0.25768	2.46E-03	1.36E-02	7.71E-03	8.14E-04	2.46E-02	2.24E-03	1.47E-08	1.03E-04	2.22E-05	2.36E-03	2.85E-03	1.36E-02	7.71E-03	8.14E-04	2.50E-02
2239	495361.06	3859851.99	0.60154	0.4494	1.2031	0.2567	2.43E-03	1.34E-02	7.67E-03	8.10E-04	2.43E-02	2.21E-03	1.45E-08	1.02E-04	2.21E-05	2.34E-03	2.81E-03	1.34E-02	7.67E-03	8.10E-04	2.47E-02
2240	495411.06	3859851.99	0.59529	0.43877	1.2244	0.25589	2.41E-03	1.31E-02	7.81E-03	8.08E-04	2.41E-02	2.19E-03	1.41E-08	1.04E-04	2.20E-05	2.31E-03	2.78E-03	1.31E-02	7.81E-03	8.08E-04	2.45E-02
2241	495461.06	3859851.99	0.58515	0.42876	1.2393	0.25501	2.37E-03	1.28E-02	7.90E-03	8.05E-04	2.39E-02	2.15E-03	1.38E-08	1.05E-04	2.20E-05	2.28E-03	2.74E-03	1.28E-02	7.90E-03	8.05E-04	2.42E-02
2242	495511.06	3859851.99	0.57589	0.41673	1.2188	0.26088	2.33E-03	1.24E-02	7.77E-03	8.24E-04	2.34E-02	2.12E-03	1.34E-08	1.04E-04	2.25E-05	2.24E-03	2.69E-03	1.24E-02	7.77E-03	8.24E-04	2.37E-02
2243	495561.06	3859851.99	0.56597	0.41496	1.1702	0.26386	2.29E-03	1.24E-02	7.46E-03	8.33E-04	2.30E-02	2.08E-03	1.34E-08	9.95E-05	2.27E-05	2.20E-03	2.65E-03	1.24E-02	7.46E-03	8.33E-04	2.33E-02
2244	495611.06	3859851.99	0.55551	0.41214	1.1808	0.26322	2.25E-03	1.23E-02	7.53E-03	8.31E-04	2.29E-02	2.04E-03	1.33E-08	1.00E-04	2.27E-05	2.17E-03	2.60E-03	1.23E-02	7.53E-03	8.31E-04	2.33E-02
2245	495661.06	3859851.99	0.54572	0.40192	1.1972	0.26239	2.21E-03	1.20E-02	7.64E-03	8.28E-04	2.27E-02	2.01E-03	1.30E-08	1.02E-04	2.26E-05	2.13E-03	2.55E-03	1.20E-02	7.64E-03	8.28E-04	2.30E-02
2246	494311.06	3859901.99	0.72418	0.61591	0.9599	0.2517	2.93E-03	1.84E-02	6.12E-03	7.95E-04	2.82E-02	2.66E-03	1.99E-08	8.16E-05	2.17E-05	2.77E-03	3.39E-03	1.84E-02	6.12E-03	7.95E-04	2.87E-02
2247	494361.06	3859901.99	0.71992	0.5948	0.925	0.25975	2.91E-03	1.77E-02	5.90E-03	8.20E-04	2.74E-02	2.65E-03	1.92E-08	7.87E-05	2.24E-05	2.75E-03	3.37E-03	1.77E-02	5.90E-03	8.20E-04	2.78E-02
2248	494411.06	3859901.99	0.7106	0.59311	0.8919	0.25493	2.87E-03	1.77E-02	5.69E-03	8.05E-04	2.71E-02	2.61E-03	1.91E-08	7.59E-05	2.20E-05	2.71E-03	3.32E-03	1.77E-02	5.69E-03	8.05E-04	2.75E-02
2249	494461.06	3859901.99	0.71039	0.58401	0.9121	0.25491	2.87E-03	1.74E-02	5.82E-03	8.05E-04	2.69E-02	2.61E-03	1.88E-08	7.76E-05	2.20E-05	2.71E-03	3.32E-03	1.74E-02	5.82E-03	8.05E-04	2.74E-02
2250	494511.06	3859901.99	0.68622	0.57919	0.9075	0.25405	2.77E-03	1.73E-02	5.79E-03	8.02E-04	2.66E-02	2.52E-03	1.87E-08	7.72E-05	2.19E-05	2.62E-03	3.21E-03	1.73E-02	5.79E-03	8.02E-04	2.71E-02
2251	494561.06	3859901.99	0.66392	0.58357	0.8168	0.24815	2.68E-03	1.74E-02	5.21E-03	7.84E-04	2.61E-02	2.44E-03	1.88E-08	6.95E-05	2.14E-05	2.53E-03	3.10E-03	1.74E-02	5.21E-03	7.84E-04	2.65E-02
2252	494611.06	3859901.99	0.6566	0.56106	0.9688	0.25179	2.65E-03	1.67E-02	6.18E-03	7.95E-04	2.64E-02	2.41E-03	1.81E-08	8.24E-05	2.17E-05	2.52E-03	3.07E-03	1.67E-02	6.18E-03	7.95E-04	2.68E-02
2253	494661.06	3859901.99	0.64198	0.56309	0.888	0.25082	2.60E-03	1.68E-02	5.66E-03	7.92E-04	2.58E-02	2.36E-03	1.81E-08	7.55E-05	2.16E-05	2.46E-03	3.00E-03	1.68E-02	5.66E-03	7.92E-04	2.63E-02

2254	494711.06	3859901.99	0.6463	0.54161	1.0488	0.25103	2.61E-03	1.62E-02	6.69E-03	7.93E-04	2.63E-02	2.38E-03	1.75E-08	8.92E-05	2.16E-05	2.49E-03	3.02E-03	1.62E-02	6.69E-03	7.93E-04	2.67E-02
2255	494761.06	3859901.99	0.63955	0.54008	0.9988	0.24782	2.59E-03	1.61E-02	6.37E-03	7.82E-04	2.59E-02	2.35E-03	1.74E-08	8.49E-05	2.13E-05	2.46E-03	2.99E-03	1.61E-02	6.37E-03	7.82E-04	2.63E-02
2256	494811.06	3859901.99	0.63185	0.54061	0.947	0.2467	2.55E-03	1.61E-02	6.04E-03	7.79E-04	2.55E-02	2.32E-03	1.74E-08	8.05E-05	2.12E-05	2.42E-03	2.95E-03	1.61E-02	6.04E-03	7.79E-04	2.59E-02
2257	494861.06	3859901.99	0.62582	0.53878	0.9373	0.24617	2.53E-03	1.61E-02	5.98E-03	7.77E-04	2.54E-02	2.30E-03	1.74E-08	7.97E-05	2.12E-05	2.40E-03	2.93E-03	1.61E-02	5.98E-03	7.77E-04	2.58E-02
2258	494911.06	3859901.99	0.62667	0.52757	0.9871	0.24565	2.53E-03	1.57E-02	6.30E-03	7.76E-04	2.53E-02	2.30E-03	1.70E-08	8.39E-05	2.12E-05	2.41E-03	2.93E-03	1.57E-02	6.30E-03	7.76E-04	2.57E-02
2259	494961.06	3859901.99	0.63266	0.52436	0.9935	0.24512	2.56E-03	1.56E-02	6.34E-03	7.74E-04	2.53E-02	2.33E-03	1.69E-08	8.45E-05	2.11E-05	2.43E-03	2.96E-03	1.56E-02	6.34E-03	7.74E-04	2.57E-02
2260	495011.06	3859901.99	0.63974	0.51573	1.0182	0.2467	2.59E-03	1.54E-02	6.49E-03	7.79E-04	2.52E-02	2.35E-03	1.66E-08	8.66E-05	2.12E-05	2.46E-03	2.99E-03	1.54E-02	6.49E-03	7.79E-04	2.57E-02
2261	495061.06	3859901.99	0.62901	0.50861	1.0353	0.25172	2.54E-03	1.52E-02	6.60E-03	7.95E-04	2.51E-02	2.31E-03	1.64E-08	8.81E-05	2.17E-05	2.42E-03	2.94E-03	1.52E-02	6.60E-03	7.95E-04	2.55E-02
2262	495111.06	3859901.99	0.62895	0.49706	1.0837	0.26282	2.54E-03	1.48E-02	6.91E-03	8.30E-04	2.51E-02	2.31E-03	1.60E-08	9.22E-05	2.26E-05	2.43E-03	2.94E-03	1.48E-02	6.91E-03	8.30E-04	2.55E-02
2263	495161.06	3859901.99	0.62559	0.48714	1.0666	0.26517	2.53E-03	1.45E-02	6.80E-03	8.37E-04	2.47E-02	2.30E-03	1.57E-08	9.07E-05	2.28E-05	2.41E-03	2.93E-03	1.45E-02	6.80E-03	8.37E-04	2.51E-02
2264	495211.06	3859901.99	0.62379	0.48561	1.0488	0.26405	2.52E-03	1.45E-02	6.69E-03	8.34E-04	2.45E-02	2.29E-03	1.57E-08	8.92E-05	2.27E-05	2.41E-03	2.92E-03	1.45E-02	6.69E-03	8.34E-04	2.49E-02
2265	495261.06	3859901.99	0.62109	0.47244	1.03	0.26378	2.51E-03	1.41E-02	6.57E-03	8.33E-04	2.40E-02	2.28E-03	1.52E-08	8.76E-05	2.27E-05	2.39E-03	2.90E-03	1.41E-02	6.57E-03	8.33E-04	2.44E-02
2266	495311.06	3859901.99	0.61578	0.47107	1.0108	0.26264	2.49E-03	1.41E-02	6.45E-03	8.29E-04	2.38E-02	2.26E-03	1.52E-08	8.60E-05	2.26E-05	2.37E-03	2.88E-03	1.41E-02	6.45E-03	8.29E-04	2.42E-02
2267	495361.06	3859901.99	0.61066	0.46355	1.0657	0.26191	2.47E-03	1.38E-02	6.80E-03	8.27E-04	2.39E-02	2.25E-03	1.49E-08	9.06E-05	2.26E-05	2.36E-03	2.86E-03	1.38E-02	6.80E-03	8.27E-04	2.43E-02
2268	495411.06	3859901.99	0.60505	0.45415	1.1607	0.26132	2.45E-03	1.35E-02	7.40E-03	8.25E-04	2.42E-02	2.22E-03	1.46E-08	9.87E-05	2.25E-05	2.35E-03	2.83E-03	1.35E-02	7.40E-03	8.25E-04	2.46E-02
2269	495461.06	3859901.99	0.59843	0.44965	1.2044	0.26054	2.42E-03	1.34E-02	7.68E-03	8.23E-04	2.43E-02	2.20E-03	1.45E-08	1.02E-04	2.24E-05	2.33E-03	2.80E-03	1.34E-02	7.68E-03	8.23E-04	2.47E-02
2270	495511.06	3859901.99	0.59066	0.44576	1.1817	0.25944	2.39E-03	1.33E-02	7.54E-03	8.19E-04	2.40E-02	2.17E-03	1.44E-08	1.01E-04	2.23E-05	2.29E-03	2.76E-03	1.33E-02	7.54E-03	8.19E-04	2.44E-02
2271	495561.06	3859901.99	0.58234	0.44121	1.1596	0.25835	2.35E-03	1.32E-02	7.40E-03	8.16E-04	2.37E-02	2.14E-03	1.42E-08	9.86E-05	2.22E-05	2.26E-03	2.72E-03	1.32E-02	7.40E-03	8.16E-04	2.41E-02
2272	495611.06	3859901.99	0.57388	0.431	1.1797	0.25756	2.32E-03	1.29E-02	7.52E-03	8.13E-04	2.35E-02	2.11E-03	1.39E-08	1.00E-04	2.22E-05	2.23E-03	2.68E-03	1.29E-02	7.52E-03	8.13E-04	2.39E-02
2273	495661.06	3859901.99	0.56484	0.42091	1.2058	0.25677	2.28E-03	1.26E-02	7.69E-03	8.11E-04	2.33E-02	2.08E-03	1.36E-08	1.03E-04	2.21E-05	2.20E-03	2.64E-03	1.26E-02	7.69E-03	8.11E-04	2.37E-02
2274	494311.06	3859951.99	0.69256	0.63523	1.0459	0.24126	2.80E-03	1.90E-02	6.67E-03	7.62E-04	2.92E-02	2.55E-03	2.05E-08	8.90E-05	2.08E-05	2.66E-03	3.24E-03	1.90E-02	6.67E-03	7.62E-04	2.96E-02
2275	494361.06	3859951.99	0.68586	0.62284	1.0151	0.24302	2.77E-03	1.86E-02	6.47E-03	7.67E-04	2.86E-02	2.52E-03	2.01E-08	8.63E-05	2.09E-05	2.63E-03	3.21E-03	1.86E-02	6.47E-03	7.67E-04	2.90E-02
2276	494411.06	3859951.99	0.71242	0.61204	0.9836	0.24567	2.88E-03	1.83E-02	6.27E-03	7.76E-04	2.82E-02	2.62E-03	1.97E-08	8.36E-05	2.12E-05	2.72E-03	3.33E-03	1.83E-02	6.27E-03	7.76E-04	2.86E-02
2277	494461.06	3859951.99	0.70403	0.60353	0.9517	0.24525	2.85E-03	1.80E-02	6.07E-03	7.74E-04	2.77E-02	2.59E-03	1.95E-08	8.09E-05	2.11E-05	2.69E-03	3.29E-03	1.80E-02	6.07E-03	7.74E-04	2.81E-02
2278	494511.06	3859951.99	0.69227	0.5993	0.9202	0.2418	2.80E-03	1.79E-02	5.87E-03	7.63E-04	2.73E-02	2.55E-03	1.93E-08	7.83E-05	2.08E-05	2.64E-03	3.24E-03	1.79E-02	5.87E-03	7.63E-04	2.77E-02
2279	494561.06	3859951.99	0.66856	0.60632	0.8916	0.2273	2.70E-03	1.81E-02	5.69E-03	7.18E-04	2.72E-02	2.46E-03	1.95E-08	7.58E-05	1.96E-05	2.55E-03	3.13E-03	1.81E-02	5.69E-03	7.18E-04	2.76E-02
2280	494611.06	3859951.99	0.67692	0.58698	0.8563	0.24092	2.74E-03	1.75E-02	5.46E-03	7.61E-04	2.65E-02	2.49E-03	1.89E-08	7.28E-05	2.07E-05	2.58E-03	3.17E-03	1.75E-02	5.46E-03	7.61E-04	2.69E-02
2281	494661.06	3859951.99	0.64151	0.58767	0.8264	0.23409	2.59E-03	1.75E-02	5.27E-03	7.39E-04	2.61E-02	2.36E-03	1.89E-08	7.03E-05	2.02E-05	2.45E-03	3.00E-03	1.75E-02	5.27E-03	7.39E-04	2.65E-02
2282	494711.06	3859951.99	0.64488	0.57013	0.8085	0.24317	2.61E-03	1.70E-02	5.16E-03	7.68E-04	2.55E-02	2.37E-03	1.84E-08	6.88E-05	2.09E-05	2.46E-03	3.02E-03	1.70E-02	5.16E-03	7.68E-04	2.59E-02
2283	494761.06	3859951.99	0.63168	0.56558	0.8146	0.24008	2.55E-03	1.69E-02	5.20E-03	7.58E-04	2.54E-02	2.32E-03	1.82E-08	6.93E-05	2.07E-05	2.41E-03	2.95E-03	1.69E-02	5.20E-03	7.58E-04	2.58E-02
2284	494811.06	3859951.99	0.62289	0.55941	0.8281	0.24078	2.52E-03	1.67E-02	5.28E-03	7.60E-04	2.52E-02	2.29E-03	1.80E-08	7.04E-05	2.07E-05	2.38E-03	2.91E-03	1.67E-02	5.28E-03	7.60E-04	2.56E-02
2285	494861.06	3859951.99	0.61335	0.55965	0.8047	0.23871	2.48E-03	1.67E-02	5.13E-03	7.54E-04	2.51E-02	2.25E-03	1.80E-08	6.84E-05	2.06E-05	2.34E-03	2.87E-03	1.67E-02	5.13E-03	7.54E-04	2.55E-02
2286	494911.06	3859951.99	0.61482	0.54832	0.8517	0.24277	2.49E-03	1.64E-02	5.43E-03	7.67E-04	2.50E-02	2.26E-03	1.77E-08	7.24E-05	2.09E-05	2.35E-03	2.88E-03	1.64E-02	5.43E-03	7.67E-04	2.54E-02
2287	494961.06	3859951.99	0.61404	0.53882	0.8666	0.2412	2.48E-03	1.61E-02	5.53E-03	7.62E-04	2.48E-02	2.26E-03	1.74E-08	7.37E-05	2.08E-05	2.35E-03	2.87E-03	1.61E-02	5.53E-03	7.62E-04	2.52E-02
2288	495011.06	3859951.99	0.61287	0.53117	0.8966	0.23959	2.48E-03	1.58E-02	5.72E-03	7.56E-04	2.48E-02	2.25E-03	1.71E-08	7.62E-05	2.06E-05	2.35E-03	2.87E-03	1.58E-02	5.72E-03	7.56E-04	2.52E-02
2289	495061.06	3859951.99	0.61657	0.5267	0.9054	0.23796	2.49E-03	1.57E-02	5.77E-03	7.51E-04	2.47E-02	2.27E-03	1.70E-08	7.70E-05	2.05E-05	2.36E-03	2.88E-03	1.57E-02	5.77E-03	7.51E-04	2.51E-02
2290	495111.06	3859951.99	0.62486	0.51562	0.9566	0.23969	2.53E-03	1.54E-02	6.10E-03	7.57E-04	2.48E-02	2.30E-03	1.66E-08	8.14E-05	2.06E-05	2.40E-03	2.92E-03	1.54E-02	6.10E-03	7.57E-04	2.52E-02
2291	495161.06	3859951.99	0.62384	0.50534	1.0001	0.24989	2.52E-03	1.51E-02	6.38E-03	7.89E-04	2.48E-02	2.29E-03	1.63E-08	8.51E-05	2.15E-05	2.40E-03	2.92E-03	1.51E-02	6.38E-03	7.89E-04	2.52E-02
2292	495211.06	3859951.99	0.62068	0.49554	1.0463	0.2596	2.51E-03	1.48E-02	6.67E-03	8.20E-04	2.48E-02	2.28E-03	1.60E-08	8.90E-05	2.24E-05	2.39E-03	2.90E-03	1.48E-02	6.67E-03	8.20E-04	2.52E-02
2293	495261.06	3859951.99	0.61815	0.4864	1.0637	0.26483	2.50E-03	1.45E-02	6.78E-03	8.36E-04	2.46E-02	2.27E-03	1.57E-08	9.05E-05	2.28E-05	2.39E-03	2.89E-03	1.45E-02	6.78E-03	8.36E-04	2.50E-02
2294	495311.06	3859951.99	0.61491	0.48671	1.0338	0.26181	2.49E-03	1.45E-02	6.59E-03	8.27E-04	2.44E-02	2.26E-03	1.57E-08	8.79E-05	2.25E-05	2.37E-03	2.88E-03	1.45E-02	6.59E-03	8.27E-04	2.48E-02
2295	495361.06	3859951.99	0.61238	0.48386	1.0367	0.26502	2.48E-03	1.44E-02	6.61E-03	8.37E-04	2.44E-02	2.25E-03	1.56E-08	8.82E-05	2.28E-05	2.36E-03	2.86E-03	1.44E-02	6.61E-03	8.37E-04	2.47E-02
2296	495411.06	3859951.99	0.60934	0.47514	1.0243	0.26445	2.46E-03	1.42E-02	6.53E-03	8.35E-04	2.40E-02	2.24E-03	1.53E-08	8.71E-05	2.28E-05	2.35E-03	2.85E-03	1.42E-02	6.53E-03	8.35E-04	2.44E-02
2297	495461.06	3859951.99	0.60508	0.46752	1.006	0.26363	2.45E-03	1.39E-02	6.42E-03	8.32E-04	2.36E-02	2.22E-03	1.51E-08	8.56E-05	2.27E-05	2.33E-03	2.83E-03	1.39E-02	6.42E-03	8.32E-04	2.40E-02
2298	495511.06	3859951.99	0.59993	0.45954	0.9871	0.26281	2.43E-03	1.37E-02	6.30E-03	8.30E-04	2.33E-02	2.21E-03	1.48E-08	8.39E-05	2.26E-05	2.31E-03	2.81E-03	1.37E-02	6.30E-03	8.30E-04	2.36E-02
2299	495561.06	3859951.99	0.59257	0.46132	0.9966	0.26187	2.40E-03	1.38E-02	6.36E-03	8.27E-04	2.33E-02	2.18E-03	1.49E-08	8.48E-05	2.25E-05	2.29E-03	2.77E-03	1.38E-02	6.36E-03	8.27E-04	2.37E-02
2300	495611.06	3859951.99	0.58639	0.45228	1.0807	0.26106	2.37E-03	1.35E-02	6.89E-03	8.24E-04	2.36E-02	2.16E-03	1.46E-08	9.19E-05	2.25E-05	2.27E-03	2.74E-03	1.35E-02	6.89E-03	8.24E-04	2.40E-02
2301	495661.06	3859951.99	0.57938	0.44035	1.1509	0.26026	2.34E-03	1.31E-02	7.34E-03	8.22E-04	2.36E-02	2.13E-03	1.42E-08	9.79E-05	2.24E-05	2.25E-03	2.71E-03	1.31E-02	7.34E-03	8.22E-04	2.40E-02
2302	494311.06	3860001.99	0.68666	0.648	0.9976	0.22952	2.78E-03	1.93E-02	6.36E-03	7.25E-04	2.92E-02	2.52E-03	2.09E-08	8.48E-05	1.98E-05	2.63E-03	3.21E-03	1.93E-02	6.36E-03	7.25E-04	2.96E-02
2303	494361.06	3860001.99	0.68923	0.64168	1.0405	0.22971	2.79E-03	1.91E-02	6.64E-03	7.25E-04	2.93E-02	2.53E-03	2.07E-08	8.85E-05	1.98E-05	2.64E-03	3.22E-03	1.91E-02	6.64E-03	7.25E-04	2.97E-02
2304	494411.06	3860001.99	0.68598	0.62641	1.0626	0.233	2.77E-03	1.87E-02	6.78E-03	7.36E-04	2.90E-02	2.52E-03	2.02E-08	9.04E-05	2.01E-05	2.63E-03	3.21E-03	1.87E-02	6.78E-03	7.36E-04	2.94E-02
2305	494461.06	3860001.99	0.67043	0.62459	1.0346	0.2325	2.71E-03	1.86E-02	6.60E-03	7.34E-04	2.87E-02	2.46E-03	2.01E-08	8.80E-05	2.00E-05	2.57E-03	3.14E-03	1.86E-02	6.60E-03	7.34E-04	2.91E-02
2306	494511.06	3860001.99	0.68177	0.61408	1.0049	0.23239	2.76E-03	1.83E-02	6.41E-03	7.34E-04	2.82E-02	2.51E-03	1.98E-08	8.55E-05	2.00E-05	2.61E-03	3.19E-03	1.83E-02	6.41E-03	7.34E-04	2.87E-02
2307	494561.06	3860001.99	0.67317	0.62643	0.9794	0.21807	2.72E-03	1.87E-02	6.25E-03	6.89E-04	2.83E-02	2.47E-03	2.02E-08	8.33E-05	1.88E-05	2.58E-03	3.15E-03	1.87E-02	6.25E-03	6.89E-04	2.88E-02
2308	494611.06	3860001.99	0.66355	0.61458	0.9481	0.21862	2.68E-03	1.83E-02	6.05E-03	6.90E-04	2.78E-02	2.44E-03	1.98E-08	8.06E-05	1.88E-05	2.54E-03	3.10E-03	1.83E-02	6.05E-03	6.90E-04	2.82E-02
2309	494661.06	3860001.99	0.65692	0.60896	0.9182	0.21711	2.66E-03	1.82E-02	5.86E-03	6.85E-04	2.74E-02	2.42E-03	1.96E-08	7.81E-05	1.87E-05	2.51E-03	3.07E-03	1.82E-02	5.86E-03	6.85E-04	2.78E-02
2310	494711.06	3860001.99	0.6709	0.58458	0.8824	0.23184	2.71E-03	1.74E-02	5.63E-03	7.32E-04	2.65E-02	2.47E-03	1.88E-08	7.50E-05	2.00E-05	2.56E-03	3.14E-03	1.74E-02	5.63E-03	7.32E-04	2.69E-02
2311	494761.06	3860001.99	0.63705	0.58821	0.8544	0.2245	2.58E-03	1.75E-02	5.45E-03	7.09E-04	2.63E-02	2.34E-03	1.90E-08	7.27E-05	1.93E-05	2.43E-03	2.98E-03	1.75E-02	5.45E-03	7.09E-04	2.67E-02
2312	494811.06	3860001.99	0.61832	0.58392	0.8244	0.22159	2.50E-03	1.74E-02	5.26E-03	7.00E-04	2.59E-02	2.27E-03	1.88E-08	7.01E-05	1.91E-05	2.36E-03	2.89E-03	1.74E-02	5.26E-03	7.00E-04	2.63E-02
2313	494861.06	3860001.99	0.60744	0.58105	0.7953	0.21615	2.46E-03	1.73E-02	5.07E-03	6.82E-04	2.55E-02	2.23E-03	1.87E-08	6.76E-05	1.86E-05	2.32E-03	2.84E-03	1.73E-02	5.07E-03	6.82E-04	2.59E-02
2314	494911.06	3860001.99	0.61441	0.55928	0.7996	0.23762	2.48E-03	1.67E-02	5.10E-03	7.50E-04	2.50E-02	2.26E-03	1.80E-08	6.80E-05	2.05E-05	2.35E-03	2.87E-03	1.67E-02	5.10E-03	7.50E-04	2.54E-02

2315	494961.06	3860001.99	0.60467	0.55567	0.8131	0.23314	2.44E-03	1.66E-02	5.19E-03	7.36E-04	2.49E-02	2.22E-03	1.79E-08	6.92E-05	2.01E-05	2.31E-03	2.83E-03	1.66E-02	5.19E-03	7.36E-04	2.53E-02
2316	495011.06	3860001.99	0.60442	0.54588	0.8135	0.23842	2.44E-03	1.63E-02	5.19E-03	7.53E-04	2.47E-02	2.22E-03	1.76E-08	6.92E-05	2.05E-05	2.31E-03	2.83E-03	1.63E-02	5.19E-03	7.53E-04	2.51E-02
2317	495061.06	3860001.99	0.59764	0.54265	0.8	0.23719	2.42E-03	1.62E-02	5.10E-03	7.49E-04	2.45E-02	2.20E-03	1.75E-08	6.80E-05	2.04E-05	2.29E-03	2.79E-03	1.62E-02	5.10E-03	7.49E-04	2.48E-02
2318	495111.06	3860001.99	0.59813	0.53238	0.847	0.23563	2.42E-03	1.59E-02	5.40E-03	7.44E-04	2.44E-02	2.20E-03	1.72E-08	7.20E-05	2.03E-05	2.29E-03	2.80E-03	1.59E-02	5.40E-03	7.44E-04	2.48E-02
2319	495161.06	3860001.99	0.6035	0.52226	0.8606	0.23399	2.44E-03	1.56E-02	5.49E-03	7.39E-04	2.42E-02	2.22E-03	1.68E-08	7.32E-05	2.01E-05	2.31E-03	2.82E-03	1.56E-02	5.49E-03	7.39E-04	2.46E-02
2320	495211.06	3860001.99	0.607	0.52226	0.8679	0.23251	2.45E-03	1.56E-02	5.54E-03	7.34E-04	2.43E-02	2.23E-03	1.68E-08	7.38E-05	2.00E-05	2.33E-03	2.84E-03	1.56E-02	5.54E-03	7.34E-04	2.47E-02
2321	495261.06	3860001.99	0.61467	0.51362	0.8879	0.23075	2.48E-03	1.53E-02	5.66E-03	7.29E-04	2.42E-02	2.26E-03	1.66E-08	7.55E-05	1.99E-05	2.36E-03	2.87E-03	1.53E-02	5.66E-03	7.29E-04	2.46E-02
2322	495311.06	3860001.99	0.60613	0.50939	0.9318	0.23285	2.45E-03	1.52E-02	5.94E-03	7.35E-04	2.43E-02	2.23E-03	1.64E-08	7.92E-05	2.01E-05	2.33E-03	2.83E-03	1.52E-02	5.94E-03	7.35E-04	2.47E-02
2323	495361.06	3860001.99	0.60949	0.49264	0.9791	0.2531	2.46E-03	1.47E-02	6.25E-03	7.99E-04	2.42E-02	2.24E-03	1.59E-08	8.33E-05	2.18E-05	2.35E-03	2.85E-03	1.47E-02	6.25E-03	7.99E-04	2.46E-02
2324	495411.06	3860001.99	0.60085	0.49438	0.9342	0.24606	2.43E-03	1.47E-02	5.96E-03	7.77E-04	2.39E-02	2.21E-03	1.59E-08	7.95E-05	2.12E-05	2.31E-03	2.81E-03	1.47E-02	5.96E-03	7.77E-04	2.43E-02
2325	495461.06	3860001.99	0.60355	0.48481	0.9555	0.25249	2.44E-03	1.45E-02	6.09E-03	7.97E-04	2.38E-02	2.22E-03	1.56E-08	8.13E-05	2.17E-05	2.32E-03	2.82E-03	1.45E-02	6.09E-03	7.97E-04	2.42E-02
2326	495511.06	3860001.99	0.60056	0.47584	0.9716	0.25812	2.43E-03	1.42E-02	6.20E-03	8.15E-04	2.36E-02	2.21E-03	1.53E-08	8.26E-05	2.22E-05	2.31E-03	2.81E-03	1.42E-02	6.20E-03	8.15E-04	2.40E-02
2327	495561.06	3860001.99	0.59555	0.47194	0.9492	0.25635	2.41E-03	1.41E-02	6.05E-03	8.09E-04	2.34E-02	2.19E-03	1.52E-08	8.07E-05	2.21E-05	2.29E-03	2.79E-03	1.41E-02	6.05E-03	8.09E-04	2.37E-02
2328	495611.06	3860001.99	0.59219	0.46297	0.995	0.2639	2.39E-03	1.38E-02	6.35E-03	8.33E-04	2.34E-02	2.18E-03	1.49E-08	8.46E-05	2.27E-05	2.28E-03	2.77E-03	1.38E-02	6.35E-03	8.33E-04	2.38E-02
2329	495661.06	3860001.99	0.58777	0.45554	0.9831	0.26312	2.38E-03	1.36E-02	6.27E-03	8.31E-04	2.31E-02	2.16E-03	1.47E-08	8.36E-05	2.27E-05	2.27E-03	2.75E-03	1.36E-02	6.27E-03	8.31E-04	2.34E-02
2330	494411.06	3860051.99	0.67483	0.64018	0.9305	0.22139	2.73E-03	1.91E-02	5.94E-03	6.99E-04	2.85E-02	2.48E-03	2.06E-08	7.91E-05	1.91E-05	2.58E-03	3.16E-03	1.91E-02	5.94E-03	6.99E-04	2.89E-02
2331	494461.06	3860051.99	0.67773	0.6336	0.974	0.22097	2.74E-03	1.89E-02	6.21E-03	6.98E-04	2.86E-02	2.49E-03	2.04E-08	8.28E-05	1.90E-05	2.59E-03	3.17E-03	1.89E-02	6.21E-03	6.98E-04	2.90E-02
2332	494511.06	3860051.99	0.67949	0.62851	1.0126	0.22051	2.75E-03	1.88E-02	6.46E-03	6.96E-04	2.87E-02	2.50E-03	2.03E-08	8.61E-05	1.90E-05	2.60E-03	3.18E-03	1.88E-02	6.46E-03	6.96E-04	2.91E-02
2333	494561.06	3860051.99	0.66443	0.63844	1.0048	0.2197	2.69E-03	1.90E-02	6.41E-03	6.94E-04	2.88E-02	2.44E-03	2.06E-08	8.55E-05	1.89E-05	2.55E-03	3.11E-03	1.90E-02	6.41E-03	6.94E-04	2.93E-02
2334	494611.06	3860051.99	0.6676	0.635	1.0217	0.21912	2.70E-03	1.89E-02	6.52E-03	6.92E-04	2.89E-02	2.45E-03	2.05E-08	8.69E-05	1.89E-05	2.56E-03	3.12E-03	1.89E-02	6.52E-03	6.92E-04	2.93E-02
2335	494661.06	3860051.99	0.66548	0.62963	1.0006	0.2186	2.69E-03	1.88E-02	6.38E-03	6.90E-04	2.85E-02	2.45E-03	2.03E-08	8.51E-05	1.88E-05	2.55E-03	3.11E-03	1.88E-02	6.38E-03	6.90E-04	2.90E-02
2336	494711.06	3860051.99	0.65628	0.61421	0.9697	0.21833	2.65E-03	1.83E-02	6.19E-03	6.89E-04	2.79E-02	2.41E-03	1.98E-08	8.25E-05	1.88E-05	2.51E-03	3.07E-03	1.83E-02	6.19E-03	6.89E-04	2.83E-02
2337	494761.06	3860051.99	0.64637	0.60974	0.9415	0.21776	2.61E-03	1.82E-02	6.01E-03	6.88E-04	2.75E-02	2.38E-03	1.97E-08	8.01E-05	1.88E-05	2.48E-03	3.02E-03	1.82E-02	6.01E-03	6.88E-04	2.79E-02
2338	494811.06	3860051.99	0.64901	0.60922	0.9146	0.21711	2.62E-03	1.82E-02	5.83E-03	6.85E-04	2.73E-02	2.39E-03	1.96E-08	7.78E-05	1.87E-05	2.48E-03	3.04E-03	1.82E-02	5.83E-03	6.85E-04	2.77E-02
2339	494861.06	3860051.99	0.63267	0.60722	0.8874	0.21651	2.56E-03	1.81E-02	5.66E-03	6.84E-04	2.70E-02	2.33E-03	1.96E-08	7.55E-05	1.86E-05	2.42E-03	2.96E-03	1.81E-02	5.66E-03	6.84E-04	2.74E-02
2340	494911.06	3860051.99	0.61324	0.59526	0.8555	0.21609	2.48E-03	1.78E-02	5.46E-03	6.82E-04	2.64E-02	2.25E-03	1.92E-08	7.28E-05	1.86E-05	2.35E-03	2.87E-03	1.78E-02	5.46E-03	6.82E-04	2.68E-02
2341	494961.06	3860051.99	0.60058	0.58257	0.8231	0.21566	2.43E-03	1.74E-02	5.25E-03	6.81E-04	2.57E-02	2.21E-03	1.88E-08	7.00E-05	1.86E-05	2.30E-03	2.81E-03	1.74E-02	5.25E-03	6.81E-04	2.61E-02
2342	495011.06	3860051.99	0.59198	0.57185	0.7915	0.21517	2.39E-03	1.71E-02	5.05E-03	6.79E-04	2.52E-02	2.18E-03	1.84E-08	6.73E-05	1.85E-05	2.26E-03	2.77E-03	1.71E-02	5.05E-03	6.79E-04	2.56E-02
2343	495061.06	3860051.99	0.58324	0.56374	0.7877	0.21774	2.36E-03	1.68E-02	5.02E-03	6.87E-04	2.49E-02	2.14E-03	1.82E-08	6.70E-05	1.87E-05	2.23E-03	2.73E-03	1.68E-02	5.02E-03	6.87E-04	2.53E-02
2344	495111.06	3860051.99	0.5742	0.55194	0.7984	0.22596	2.32E-03	1.65E-02	5.09E-03	7.13E-04	2.46E-02	2.11E-03	1.78E-08	6.79E-05	1.95E-05	2.20E-03	2.69E-03	1.65E-02	5.09E-03	7.13E-04	2.50E-02
2345	495161.06	3860051.99	0.58592	0.54424	0.8029	0.23232	2.37E-03	1.62E-02	5.12E-03	7.34E-04	2.45E-02	2.15E-03	1.75E-08	6.83E-05	2.00E-05	2.24E-03	2.74E-03	1.62E-02	5.12E-03	7.34E-04	2.48E-02
2346	495211.06	3860051.99	0.58622	0.53493	0.7878	0.23124	2.37E-03	1.60E-02	5.03E-03	7.30E-04	2.41E-02	2.16E-03	1.72E-08	6.70E-05	1.99E-05	2.24E-03	2.74E-03	1.60E-02	5.03E-03	7.30E-04	2.45E-02
2347	495261.06	3860051.99	0.5876	0.52924	0.8051	0.22988	2.38E-03	1.58E-02	5.14E-03	7.26E-04	2.40E-02	2.16E-03	1.71E-08	6.85E-05	1.98E-05	2.25E-03	2.75E-03	1.58E-02	5.14E-03	7.26E-04	2.44E-02
2348	495311.06	3860051.99	0.58964	0.52633	0.8076	0.22849	2.38E-03	1.57E-02	5.15E-03	7.21E-04	2.40E-02	2.17E-03	1.70E-08	6.87E-05	1.97E-05	2.26E-03	2.76E-03	1.57E-02	5.15E-03	7.21E-04	2.43E-02
2349	495361.06	3860051.99	0.59628	0.52144	0.8313	0.22695	2.41E-03	1.56E-02	5.30E-03	7.17E-04	2.40E-02	2.19E-03	1.68E-08	7.07E-05	1.95E-05	2.28E-03	2.79E-03	1.56E-02	5.30E-03	7.17E-04	2.44E-02
2350	495411.06	3860051.99	0.59268	0.51508	0.863	0.22531	2.40E-03	1.54E-02	5.50E-03	7.11E-04	2.40E-02	2.18E-03	1.66E-08	7.34E-05	1.94E-05	2.27E-03	2.77E-03	1.54E-02	5.50E-03	7.11E-04	2.44E-02
2351	495461.06	3860051.99	0.59307	0.50679	0.8785	0.22356	2.40E-03	1.51E-02	5.60E-03	7.06E-04	2.38E-02	2.18E-03	1.63E-08	7.47E-05	1.93E-05	2.27E-03	2.77E-03	1.51E-02	5.60E-03	7.06E-04	2.42E-02
2352	495511.06	3860051.99	0.5915	0.5037	0.9181	0.22381	2.39E-03	1.50E-02	5.86E-03	7.07E-04	2.40E-02	2.17E-03	1.62E-08	7.81E-05	1.93E-05	2.27E-03	2.77E-03	1.50E-02	5.86E-03	7.07E-04	2.44E-02
2353	495561.06	3860051.99	0.58681	0.49835	0.9282	0.22908	2.37E-03	1.49E-02	5.92E-03	7.23E-04	2.39E-02	2.16E-03	1.61E-08	7.89E-05	1.97E-05	2.26E-03	2.74E-03	1.49E-02	5.92E-03	7.23E-04	2.43E-02
2354	495611.06	3860051.99	0.58952	0.49062	0.9098	0.23791	2.38E-03	1.46E-02	5.80E-03	7.51E-04	2.36E-02	2.17E-03	1.58E-08	7.74E-05	2.05E-05	2.27E-03	2.76E-03	1.46E-02	5.80E-03	7.51E-04	2.39E-02
2355	495661.06	3860051.99	0.58912	0.47592	0.921	0.25317	2.38E-03	1.42E-02	5.87E-03	7.99E-04	2.33E-02	2.17E-03	1.53E-08	7.83E-05	2.18E-05	2.27E-03	2.76E-03	1.42E-02	5.87E-03	7.99E-04	2.36E-02
2356	494411.06	3860101.99	0.66746	0.63303	0.8137	0.21356	2.70E-03	1.89E-02	5.19E-03	6.74E-04	2.74E-02	2.45E-03	2.04E-08	6.92E-05	1.84E-05	2.54E-03	3.12E-03	1.89E-02	5.19E-03	6.74E-04	2.79E-02
2357	494461.06	3860101.99	0.66346	0.64187	0.8137	0.21073	2.68E-03	1.91E-02	5.19E-03	6.65E-04	2.77E-02	2.44E-03	2.07E-08	6.92E-05	1.81E-05	2.53E-03	3.10E-03	1.91E-02	5.19E-03	6.65E-04	2.81E-02
2358	494511.06	3860101.99	0.66313	0.62872	0.8709	0.21053	2.68E-03	1.88E-02	5.55E-03	6.65E-04	2.77E-02	2.44E-03	2.03E-08	7.41E-05	1.81E-05	2.53E-03	3.10E-03	1.88E-02	5.55E-03	6.65E-04	2.81E-02
2359	494561.06	3860101.99	0.66659	0.63145	0.8921	0.21042	2.69E-03	1.88E-02	5.69E-03	6.64E-04	2.79E-02	2.45E-03	2.04E-08	7.59E-05	1.81E-05	2.54E-03	3.12E-03	1.88E-02	5.69E-03	6.64E-04	2.83E-02
2360	494611.06	3860101.99	0.66893	0.64142	0.8936	0.21039	2.70E-03	1.91E-02	5.70E-03	6.64E-04	2.82E-02	2.46E-03	2.07E-08	7.60E-05	1.81E-05	2.55E-03	3.13E-03	1.91E-02	5.70E-03	6.64E-04	2.86E-02
2361	494661.06	3860101.99	0.65803	0.64177	0.9152	0.21028	2.66E-03	1.91E-02	5.84E-03	6.64E-04	2.83E-02	2.42E-03	2.07E-08	7.78E-05	1.81E-05	2.52E-03	3.08E-03	1.91E-02	5.84E-03	6.64E-04	2.87E-02
2362	494711.06	3860101.99	0.65216	0.62873	0.9688	0.21	2.64E-03	1.88E-02	6.18E-03	6.63E-04	2.82E-02	2.40E-03	2.03E-08	8.24E-05	1.81E-05	2.50E-03	3.05E-03	1.88E-02	6.18E-03	6.63E-04	2.86E-02
2363	494761.06	3860101.99	0.65774	0.62737	0.9914	0.20986	2.66E-03	1.87E-02	6.32E-03	6.63E-04	2.84E-02	2.42E-03	2.02E-08	8.43E-05	1.81E-05	2.52E-03	3.08E-03	1.87E-02	6.32E-03	6.63E-04	2.88E-02
2364	494811.06	3860101.99	0.64887	0.624	0.9924	0.20972	2.62E-03	1.86E-02	6.33E-03	6.62E-04	2.82E-02	2.39E-03	2.01E-08	8.44E-05	1.81E-05	2.49E-03	3.03E-03	1.86E-02	6.33E-03	6.62E-04	2.86E-02
2365	494861.06	3860101.99	0.639	0.63137	0.9726	0.20997	2.58E-03	1.88E-02	6.20E-03	6.63E-04	2.83E-02	2.35E-03	2.03E-08	8.27E-05	1.81E-05	2.45E-03	2.99E-03	1.88E-02	6.20E-03	6.63E-04	2.87E-02
2366	494911.06	3860101.99	0.6378	0.60644	0.9357	0.20922	2.58E-03	1.81E-02	5.97E-03	6.61E-04	2.73E-02	2.34E-03	1.95E-08	7.96E-05	1.80E-05	2.44E-03	2.98E-03	1.81E-02	5.97E-03	6.61E-04	2.77E-02
2367	494961.06	3860101.99	0.62796	0.60059	0.9078	0.20901	2.54E-03	1.79E-02	5.79E-03	6.60E-04	2.69E-02	2.31E-03	1.94E-08	7.72E-05	1.80E-05	2.40E-03	2.94E-03	1.79E-02	5.79E-03	6.60E-04	2.73E-02
2368	495011.06	3860101.99	0.60916	0.59052	0.8777	0.20871	2.46E-03	1.76E-02	5.60E-03	6.59E-04	2.63E-02	2.24E-03	1.90E-08	7.46E-05	1.80E-05	2.33E-03	2.85E-03	1.76E-02	5.60E-03	6.59E-04	2.67E-02
2369	495061.06	3860101.99	0.59548	0.58127	0.8478	0.20841	2.41E-03	1.73E-02	5.41E-03	6.58E-04	2.58E-02	2.19E-03	1.87E-08	7.21E-05	1.79E-05	2.28E-03	2.78E-03	1.73E-02	5.41E-03	6.58E-04	2.62E-02
2370	495111.06	3860101.99	0.58527	0.56926	0.8164	0.20804	2.37E-03	1.70E-02	5.21E-03	6.57E-04	2.52E-02	2.15E-03	1.83E-08	6.94E-05	1.79E-05	2.24E-03	2.74E-03	1.70E-02	5.21E-03	6.57E-04	2.56E-02
2371	495161.06	3860101.99	0.57708	0.56437	0.7881	0.20781	2.33E-03	1.68E-02	5.03E-03	6.56E-04	2.49E-02	2.12E-03	1.82E-08	6.70E-05	1.79E-05	2.21E-03	2.70E-03	1.68E-02	5.03E-03	6.56E-04	2.52E-02
2372	495211.06	3860101.99	0.56857	0.55698	0.7724	0.20923	2.30E-03	1.66E-02	4.93E-03	6.61E-04	2.45E-02	2.09E-03	1.80E-08	6.57E-05	1.80E-05	2.17E-03	2.66E-03	1.66E-02	4.93E-03	6.61E-04	2.49E-02
2373	495261.06	3860101.99	0.55978	0.54943	0.7842	0.21363	2.26E-03	1.64E-02	5.00E-03	6.75E-04	2.43E-02	2.06E-03	1.77E-08	6.67E-05	1.84E-05	2.14E-03	2.62E-03	1.64E-02	5.00E-03	6.75E-04	2.47E-02
2374	495311.06	3860101.99	0.55062	0.54344	0.796	0.21569	2.23E-03	1.62E-02	5.08E-03	6.81E-04	2.42E-02	2.02E-03	1.75E-08	6.77E-05	1.86E-05	2.11E-03	2.58E-03	1.62E-02	5.08E-03	6.81E-04	2.45E-02
2375	495361.06	3860101.99	0.55304	0.5423	0.7754	0.21345	2.24E-03	1.62E-02	4.95E-03	6.74E-04	2.40E-02	2.03E-03	1.75E-08	6.59E-05	1.84E-05	2.12E-03	2.59E-03	1.62E-02	4.95E-03	6.74E-04	2.44E-02

2376	495411.06	3860101.99	0.55868	0.53561	0.745	0.21853	2.26E-03	1.60E-02	4.75E-03	6.90E-04	2.37E-02	2.05E-03	1.73E-08	6.34E-05	1.88E-05	2.14E-03	2.61E-03	1.60E-02	4.75E-03	6.90E-04	2.40E-02
2377	495461.06	3860101.99	0.5813	0.52321	0.7611	0.22265	2.35E-03	1.56E-02	4.85E-03	7.03E-04	2.35E-02	2.14E-03	1.69E-08	6.47E-05	1.92E-05	2.22E-03	2.72E-03	1.56E-02	4.85E-03	7.03E-04	2.39E-02
2378	495511.06	3860101.99	0.5836	0.52208	0.7572	0.22125	2.36E-03	1.56E-02	4.83E-03	6.99E-04	2.35E-02	2.15E-03	1.68E-08	6.44E-05	1.91E-05	2.23E-03	2.73E-03	1.56E-02	4.83E-03	6.99E-04	2.38E-02
2379	495561.06	3860101.99	0.57539	0.52048	0.7831	0.21978	2.33E-03	1.55E-02	4.99E-03	6.94E-04	2.35E-02	2.12E-03	1.68E-08	6.66E-05	1.89E-05	2.20E-03	2.69E-03	1.55E-02	4.99E-03	6.94E-04	2.39E-02
2380	495611.06	3860101.99	0.58052	0.50794	0.8423	0.21795	2.35E-03	1.52E-02	5.37E-03	6.88E-04	2.36E-02	2.13E-03	1.64E-08	7.16E-05	1.88E-05	2.22E-03	2.71E-03	1.52E-02	5.37E-03	6.88E-04	2.39E-02
2381	495661.06	3860101.99	0.57549	0.50219	0.8737	0.22016	2.33E-03	1.50E-02	5.57E-03	6.95E-04	2.36E-02	2.12E-03	1.62E-08	7.43E-05	1.90E-05	2.21E-03	2.69E-03	1.50E-02	5.57E-03	6.95E-04	2.39E-02
2382	494861.06	3860151.99	0.64683	0.65076	0.8621	0.19958	2.61E-03	1.94E-02	5.50E-03	6.30E-04	2.82E-02	2.38E-03	2.10E-08	7.33E-05	1.72E-05	2.47E-03	3.02E-03	1.94E-02	5.50E-03	6.30E-04	2.86E-02
2383	494911.06	3860151.99	0.64135	0.62247	0.9454	0.19837	2.59E-03	1.86E-02	6.03E-03	6.26E-04	2.78E-02	2.36E-03	2.01E-08	8.04E-05	1.71E-05	2.46E-03	3.00E-03	1.86E-02	6.03E-03	6.26E-04	2.82E-02
2384	494961.06	3860151.99	0.63259	0.61502	0.9814	0.19813	2.56E-03	1.83E-02	6.26E-03	6.26E-04	2.78E-02	2.33E-03	1.98E-08	8.35E-05	1.71E-05	2.43E-03	2.96E-03	1.83E-02	6.26E-03	6.26E-04	2.82E-02
2385	495011.06	3860151.99	0.6265	0.60594	0.9564	0.19786	2.53E-03	1.81E-02	6.10E-03	6.25E-04	2.73E-02	2.30E-03	1.95E-08	8.13E-05	1.70E-05	2.40E-03	2.93E-03	1.81E-02	6.10E-03	6.25E-04	2.77E-02
2386	495061.06	3860151.99	0.62327	0.59696	0.9281	0.19758	2.52E-03	1.78E-02	5.92E-03	6.24E-04	2.69E-02	2.29E-03	1.92E-08	7.89E-05	1.70E-05	2.39E-03	2.91E-03	1.78E-02	5.92E-03	6.24E-04	2.73E-02
2387	495111.06	3860151.99	0.60512	0.59005	0.9002	0.19736	2.45E-03	1.76E-02	5.74E-03	6.23E-04	2.64E-02	2.22E-03	1.90E-08	7.66E-05	1.70E-05	2.32E-03	2.83E-03	1.76E-02	5.74E-03	6.23E-04	2.68E-02
2388	495161.06	3860151.99	0.59054	0.58346	0.8725	0.19716	2.39E-03	1.74E-02	5.57E-03	6.23E-04	2.60E-02	2.17E-03	1.88E-08	7.42E-05	1.70E-05	2.26E-03	2.76E-03	1.74E-02	5.57E-03	6.23E-04	2.64E-02
2389	495211.06	3860151.99	0.57867	0.57551	0.8438	0.19691	2.34E-03	1.72E-02	5.38E-03	6.22E-04	2.55E-02	2.13E-03	1.85E-08	7.18E-05	1.70E-05	2.22E-03	2.71E-03	1.72E-02	5.38E-03	6.22E-04	2.59E-02
2390	495261.06	3860151.99	0.57091	0.56945	0.816	0.1967	2.31E-03	1.70E-02	5.20E-03	6.21E-04	2.51E-02	2.10E-03	1.84E-08	6.94E-05	1.69E-05	2.19E-03	2.67E-03	1.70E-02	5.20E-03	6.21E-04	2.55E-02
2391	495311.06	3860151.99	0.56285	0.56309	0.788	0.19648	2.28E-03	1.68E-02	5.03E-03	6.20E-04	2.47E-02	2.07E-03	1.81E-08	6.70E-05	1.69E-05	2.15E-03	2.63E-03	1.68E-02	5.03E-03	6.20E-04	2.51E-02
2392	495361.06	3860151.99	0.55452	0.55882	0.7603	0.19628	2.24E-03	1.67E-02	4.85E-03	6.20E-04	2.44E-02	2.04E-03	1.80E-08	6.47E-05	1.69E-05	2.12E-03	2.59E-03	1.67E-02	4.85E-03	6.20E-04	2.47E-02
2393	495411.06	3860151.99	0.54584	0.55328	0.7715	0.19601	2.21E-03	1.65E-02	4.92E-03	6.19E-04	2.43E-02	2.01E-03	1.78E-08	6.56E-05	1.69E-05	2.09E-03	2.55E-03	1.65E-02	4.92E-03	6.19E-04	2.46E-02
2394	495461.06	3860151.99	0.54335	0.54821	0.7829	0.19575	2.20E-03	1.64E-02	4.99E-03	6.18E-04	2.42E-02	2.00E-03	1.77E-08	6.66E-05	1.69E-05	2.08E-03	2.54E-03	1.64E-02	4.99E-03	6.18E-04	2.45E-02
2395	495511.06	3860151.99	0.54725	0.54045	0.7769	0.20156	2.21E-03	1.61E-02	4.96E-03	6.36E-04	2.39E-02	2.01E-03	1.74E-08	6.61E-05	1.74E-05	2.10E-03	2.56E-03	1.61E-02	4.96E-03	6.36E-04	2.43E-02
2396	495561.06	3860151.99	0.55258	0.53694	0.7481	0.20351	2.23E-03	1.60E-02	4.77E-03	6.43E-04	2.37E-02	2.03E-03	1.73E-08	6.36E-05	1.75E-05	2.11E-03	2.58E-03	1.60E-02	4.77E-03	6.43E-04	2.40E-02
2397	495611.06	3860151.99	0.55707	0.52952	0.7183	0.212	2.25E-03	1.58E-02	4.58E-03	6.69E-04	2.33E-02	2.05E-03	1.71E-08	6.11E-05	1.83E-05	2.13E-03	2.61E-03	1.58E-02	4.58E-03	6.69E-04	2.37E-02
2398	495661.06	3860151.99	0.54848	0.52075	0.7109	0.21409	2.22E-03	1.55E-02	4.53E-03	6.76E-04	2.30E-02	2.02E-03	1.68E-08	6.05E-05	1.84E-05	2.10E-03	2.57E-03	1.55E-02	4.53E-03	6.76E-04	2.33E-02
2399	495718.25	3859442.96	0.48995	0.27073	1.3739	0.22323	1.98E-03	8.08E-03	8.76E-03	7.05E-04	1.95E-02	1.80E-03	8.73E-09	1.17E-04	1.92E-05	1.94E-03	2.29E-03	8.08E-03	8.76E-03	7.05E-04	1.98E-02
2400	495818.25	3859442.96	0.48899	0.26278	1.337	0.21438	1.98E-03	7.84E-03	8.53E-03	6.77E-04	1.90E-02	1.80E-03	8.47E-09	1.14E-04	1.85E-05	1.93E-03	2.29E-03	7.84E-03	8.53E-03	6.77E-04	1.93E-02
2401	495918.25	3859442.96	0.4892	0.25866	1.3148	0.21334	1.98E-03	7.72E-03	8.39E-03	6.74E-04	1.88E-02	1.80E-03	8.34E-09	1.12E-04	1.84E-05	1.93E-03	2.29E-03	7.72E-03	8.39E-03	6.74E-04	1.91E-02
2402	496018.25	3859442.96	0.4891	0.25537	1.3395	0.21253	1.98E-03	7.62E-03	8.54E-03	6.71E-04	1.88E-02	1.80E-03	8.23E-09	1.14E-04	1.83E-05	1.93E-03	2.29E-03	7.62E-03	8.54E-03	6.71E-04	1.91E-02
2403	496118.25	3859442.96	0.49685	0.25874	1.2604	0.21382	2.01E-03	7.72E-03	8.04E-03	6.75E-04	1.84E-02	1.83E-03	8.34E-09	1.07E-04	1.84E-05	1.95E-03	2.32E-03	7.72E-03	8.04E-03	6.75E-04	1.88E-02
2404	496218.25	3859442.96	0.50178	0.26122	1.1817	0.21472	2.03E-03	7.79E-03	7.54E-03	6.78E-04	1.80E-02	1.84E-03	8.42E-09	1.00E-04	1.85E-05	1.96E-03	2.35E-03	7.79E-03	7.54E-03	6.78E-04	1.84E-02
2405	496318.25	3859442.96	0.49927	0.25854	1.1051	0.21404	2.02E-03	7.71E-03	7.05E-03	6.76E-04	1.75E-02	1.84E-03	8.33E-09	9.40E-05	1.84E-05	1.95E-03	2.33E-03	7.71E-03	7.05E-03	6.76E-04	1.78E-02
2406	496418.25	3859442.96	0.49651	0.25495	1.0751	0.21323	2.01E-03	7.61E-03	6.86E-03	6.73E-04	1.71E-02	1.83E-03	8.22E-09	9.14E-05	1.84E-05	1.94E-03	2.32E-03	7.61E-03	6.86E-03	6.73E-04	1.75E-02
2407	495718.25	3859542.96	0.49068	0.30399	1.2274	0.24566	1.98E-03	9.07E-03	7.83E-03	7.76E-04	1.97E-02	1.80E-03	9.80E-09	1.04E-04	2.12E-05	1.93E-03	2.29E-03	9.07E-03	7.83E-03	7.76E-04	2.00E-02
2408	495818.25	3859542.96	0.49732	0.29627	1.2617	0.24252	2.01E-03	8.84E-03	8.05E-03	7.66E-04	1.97E-02	1.83E-03	9.55E-09	1.07E-04	2.09E-05	1.96E-03	2.33E-03	8.84E-03	8.05E-03	7.66E-04	2.00E-02
2409	495918.25	3859542.96	0.49781	0.28691	1.2676	0.24151	2.01E-03	8.56E-03	8.09E-03	7.63E-04	1.94E-02	1.83E-03	9.25E-09	1.08E-04	2.08E-05	1.96E-03	2.33E-03	8.56E-03	8.09E-03	7.63E-04	1.97E-02
2410	496018.25	3859542.96	0.48477	0.27932	1.2814	0.24056	1.96E-03	8.33E-03	8.17E-03	7.60E-04	1.92E-02	1.78E-03	9.00E-09	1.09E-04	2.07E-05	1.91E-03	2.27E-03	8.33E-03	8.17E-03	7.60E-04	1.95E-02
2411	496118.25	3859542.96	0.49418	0.28226	1.2723	0.23987	2.00E-03	8.42E-03	8.12E-03	7.57E-04	1.93E-02	1.82E-03	9.10E-09	1.08E-04	2.07E-05	1.95E-03	2.31E-03	8.42E-03	8.12E-03	7.57E-04	1.96E-02
2412	496218.25	3859542.96	0.50051	0.28236	1.2959	0.23911	2.02E-03	8.42E-03	8.27E-03	7.55E-04	1.95E-02	1.84E-03	9.10E-09	1.10E-04	2.06E-05	1.97E-03	2.34E-03	8.42E-03	8.27E-03	7.55E-04	1.98E-02
2413	496318.25	3859542.96	0.50413	0.2814	1.2735	0.2383	2.04E-03	8.40E-03	8.12E-03	7.52E-04	1.93E-02	1.85E-03	9.07E-09	1.08E-04	2.05E-05	1.98E-03	2.36E-03	8.40E-03	8.12E-03	7.52E-04	1.96E-02
2414	496418.25	3859542.96	0.50244	0.27598	1.2178	0.23732	2.03E-03	8.23E-03	7.77E-03	7.49E-04	1.88E-02	1.85E-03	8.90E-09	1.04E-04	2.04E-05	1.97E-03	2.35E-03	8.23E-03	7.77E-03	7.49E-04	1.91E-02
2415	495718.25	3859642.96	0.49624	0.33019	1.2432	0.26524	2.01E-03	9.85E-03	7.93E-03	8.37E-04	2.06E-02	1.82E-03	1.06E-08	1.06E-04	2.28E-05	1.95E-03	2.32E-03	9.85E-03	7.93E-03	8.37E-04	2.09E-02
2416	495818.25	3859642.96	0.48551	0.31947	1.2296	0.26009	1.96E-03	9.53E-03	7.84E-03	8.21E-04	2.02E-02	1.78E-03	1.03E-08	1.05E-04	2.24E-05	1.91E-03	2.27E-03	9.53E-03	7.84E-03	8.21E-04	2.05E-02
2417	495918.25	3859642.96	0.49171	0.31251	1.2116	0.25452	1.99E-03	9.32E-03	7.73E-03	8.04E-04	1.98E-02	1.81E-03	1.01E-08	1.03E-04	2.19E-05	1.93E-03	2.30E-03	9.32E-03	7.73E-03	8.04E-04	2.02E-02
2418	496018.25	3859642.96	0.48525	0.30341	1.1901	0.24748	1.96E-03	9.05E-03	7.59E-03	7.81E-04	1.94E-02	1.78E-03	9.78E-09	1.01E-04	2.13E-05	1.91E-03	2.27E-03	9.05E-03	7.59E-03	7.81E-04	1.97E-02
2419	496118.25	3859642.96	0.50441	0.30659	1.1655	0.25059	2.04E-03	9.15E-03	7.43E-03	7.91E-04	1.94E-02	1.85E-03	9.88E-09	9.91E-05	2.16E-05	1.98E-03	2.36E-03	9.15E-03	7.43E-03	7.91E-04	1.97E-02
2420	496218.25	3859642.96	0.51454	0.30639	1.1576	0.25579	2.08E-03	9.14E-03	7.38E-03	8.08E-04	1.94E-02	1.89E-03	9.88E-09	9.84E-05	2.20E-05	2.01E-03	2.41E-03	9.14E-03	7.38E-03	8.08E-04	1.97E-02
2421	496318.25	3859642.96	0.50231	0.30136	1.1783	0.25163	2.03E-03	8.99E-03	7.52E-03	7.94E-04	1.93E-02	1.85E-03	9.71E-09	1.00E-04	2.17E-05	1.97E-03	2.35E-03	8.99E-03	7.52E-03	7.94E-04	1.97E-02
2422	496418.25	3859642.96	0.48296	0.28307	1.1981	0.2431	1.95E-03	8.44E-03	7.64E-03	7.68E-04	1.88E-02	1.78E-03	9.12E-09	1.02E-04	2.09E-05	1.90E-03	2.26E-03	8.44E-03	7.64E-03	7.68E-04	1.91E-02
2423	495718.25	3859742.96	0.54448	0.35394	1.1837	0.26974	2.20E-03	1.06E-02	7.55E-03	8.52E-04	2.12E-02	2.00E-03	1.14E-08	1.01E-04	2.32E-05	2.13E-03	2.55E-03	1.06E-02	7.55E-03	8.52E-04	2.15E-02
2424	495818.25	3859742.96	0.53082	0.34053	1.1923	0.27394	2.15E-03	1.02E-02	7.61E-03	8.65E-04	2.08E-02	1.95E-03	1.10E-08	1.01E-04	2.36E-05	2.08E-03	2.48E-03	1.02E-02	7.61E-03	8.65E-04	2.11E-02
2425	495918.25	3859742.96	0.50812	0.33114	1.1953	0.27756	2.05E-03	9.88E-03	7.62E-03	8.76E-04	2.04E-02	1.87E-03	1.07E-08	1.02E-04	2.39E-05	1.99E-03	2.38E-03	9.88E-03	7.62E-03	8.76E-04	2.08E-02
2426	496018.25	3859742.96	0.48338	0.32355	1.1941	0.28186	1.95E-03	9.65E-03	7.62E-03	8.90E-04	2.01E-02	1.78E-03	1.04E-08	1.02E-04	2.43E-05	1.90E-03	2.26E-03	9.65E-03	7.62E-03	8.90E-04	2.04E-02
2427	496118.25	3859742.96	0.48357	0.33014	1.1862	0.28386	1.95E-03	9.85E-03	7.57E-03	8.96E-04	2.03E-02	1.78E-03	1.06E-08	1.01E-04	2.44E-05	1.90E-03	2.26E-03	9.85E-03	7.57E-03	8.96E-04	2.06E-02
2428	496218.25	3859742.96	0.49614	0.34827	1.1737	0.28388	2.01E-03	1.04E-02	7.49E-03	8.96E-04	2.08E-02	1.82E-03	1.12E-08	9.98E-05	2.44E-05	1.95E-03	2.32E-03	1.04E-02	7.49E-03	8.96E-04	2.11E-02
2429	496318.25	3859742.96	0.4854	0.31276	1.1643	0.27996	1.96E-03	9.33E-03	7.43E-03	8.84E-04	1.96E-02	1.78E-03	1.01E-08	9.90E-05	2.41E-05	1.91E-03	2.27E-03	9.33E-03	7.43E-03	8.84E-04	1.99E-02
2430	496418.25	3859742.96	0.48412	0.29702	1.1497	0.26824	1.96E-03	8.86E-03	7.33E-03	8.47E-04	1.90E-02	1.78E-03	9.57E-09	9.78E-05	2.31E-05	1.90E-03	2.26E-03	8.86E-03	7.33E-03	8.47E-04	1.93E-02
2431	495718.25	3859842.96	0.54708	0.39246	1.1913	0.26132	2.21E-03	1.17E-02	7.60E-03	8.25E-04	2.23E-02	2.01E-03	1.26E-08	1.01E-04	2.25E-05	2.14E-03	2.56E-03	1.17E-02	7.60E-03	8.25E-04	2.27E-02
2432	495818.25	3859842.96	0.54685	0.38191	1.1513	0.25989	2.21E-03	1.14E-02	7.34E-03	8.21E-04	2.18E-02	2.01E-03	1.23E-08	9.79E-05	2.24E-05	2.13E-03	2.56E-03	1.14E-02	7.34E-03	8.21E-04	2.21E-02
2433	495918.25	3859842.96	0.54873	0.37404	1.1109	0.25845	2.22E-03	1.12E-02	7.09E-03	8.16E-04	2.13E-02	2.02E-03	1.21E-08	9.45E-05	2.23E-05	2.13E-03	2.57E-03	1.12E-02	7.09E-03	8.16E-04	2.16E-02
2434	496018.25	3859842.96	0.53568	0.37029	1.1117	0.2573	2.17E-03	1.10E-02	7.09E-03	8.12E-04	2.11E-02	1.97E-03	1.19E-08	9.45E-05	2.22E-05	2.09E-03	2.51E-03	1.10E-02	7.09E-03	8.12E-04	2.15E-02
2435	496118.25	3859842.96	0.52064	0.38392	1.1204	0.25695	2.10E-03	1.15E-02	7.15E-03	8.11E-04	2.15E-02	1.91E-03	1.24E-08	9.53E-05	2.21E-05	2.03E-03	2.43E-03	1.15E-02	7.15E-03	8.11E-04	2.18E-02
2436	496218.25	3859842.96	0.49577	0.35365	1.1327	0.25854	2.00E-03	1.06E-02	7.22E-03	8.16E-04	2.06E-02	1.82E-03	1.14E-08	9.63E-05	2.23E-05	1.94E-03	2.32E-03	1.06E-02	7.22E-03	8.16E-04	2.09E-02

2437	496318.25	3859842.96	0.45562	0.3051	1.1422	0.26938	1.84E-03	9.10E-03	7.29E-03	8.51E-04	1.91E-02	1.68E-03	9.83E-09	9.71E-05	2.32E-05	1.80E-03	2.13E-03	9.10E-03	7.29E-03	8.51E-04	1.94E-02
2438	496418.25	3859842.96	0.43176	0.28218	1.1405	0.25004	1.75E-03	8.42E-03	7.27E-03	7.89E-04	1.82E-02	1.59E-03	9.09E-09	9.70E-05	2.15E-05	1.71E-03	2.02E-03	8.42E-03	7.27E-03	7.89E-04	1.85E-02
2439	495718.25	3859942.96	0.56746	0.43359	1.141	0.25874	2.29E-03	1.29E-02	7.28E-03	8.17E-04	2.33E-02	2.09E-03	1.40E-08	9.70E-05	2.23E-05	2.21E-03	2.65E-03	1.29E-02	7.28E-03	8.17E-04	2.37E-02
2440	495818.25	3859942.96	0.54888	0.41986	1.1541	0.257	2.22E-03	1.25E-02	7.36E-03	8.11E-04	2.29E-02	2.02E-03	1.35E-08	9.82E-05	2.21E-05	2.14E-03	2.57E-03	1.25E-02	7.36E-03	8.11E-04	2.33E-02
2441	495918.25	3859942.96	0.5331	0.41438	1.1053	0.25523	2.15E-03	1.24E-02	7.05E-03	8.06E-04	2.24E-02	1.96E-03	1.34E-08	9.40E-05	2.20E-05	2.08E-03	2.49E-03	1.24E-02	7.05E-03	8.06E-04	2.27E-02
2442	496018.25	3859942.96	0.53219	0.42847	1.0306	0.25276	2.15E-03	1.28E-02	6.57E-03	7.98E-04	2.23E-02	1.96E-03	1.38E-08	8.77E-05	2.18E-05	2.07E-03	2.49E-03	1.28E-02	6.57E-03	7.98E-04	2.26E-02
2443	496118.25	3859942.96	0.53379	0.39948	1.0268	0.25796	2.16E-03	1.19E-02	6.55E-03	8.14E-04	2.14E-02	1.96E-03	1.29E-08	8.73E-05	2.22E-05	2.07E-03	2.50E-03	1.19E-02	6.55E-03	8.14E-04	2.18E-02
2444	496218.25	3859942.96	0.52706	0.35184	1.2399	0.2555	2.13E-03	1.05E-02	7.91E-03	8.07E-04	2.13E-02	1.94E-03	1.13E-08	1.05E-04	2.20E-05	2.07E-03	2.46E-03	1.05E-02	7.91E-03	8.07E-04	2.17E-02
2445	496318.25	3859942.96	0.5063	0.32476	1.3295	0.2542	2.05E-03	9.69E-03	8.48E-03	8.03E-04	2.10E-02	1.86E-03	1.05E-08	1.13E-04	2.19E-05	2.00E-03	2.37E-03	9.69E-03	8.48E-03	8.03E-04	2.13E-02
2446	496418.25	3859942.96	0.46155	0.28047	1.3986	0.25087	1.87E-03	8.37E-03	8.92E-03	7.92E-04	1.99E-02	1.70E-03	9.04E-09	1.19E-04	2.16E-05	1.84E-03	2.16E-03	8.37E-03	8.92E-03	7.92E-04	2.02E-02
2447	496856.82	3858864.83	0.2479	0.16263	0.8328	0.16824	1.00E-03	4.85E-03	5.31E-03	5.31E-04	1.17E-02	9.11E-04	5.24E-09	7.08E-05	1.45E-05	9.97E-04	1.16E-03	4.85E-03	5.31E-03	5.31E-04	1.19E-02
2448	496956.82	3858864.83	0.24634	0.16062	0.7536	0.16761	9.96E-04	4.79E-03	4.81E-03	5.29E-04	1.11E-02	9.06E-04	5.18E-09	6.41E-05	1.44E-05	9.84E-04	1.15E-03	4.79E-03	4.81E-03	5.29E-04	1.13E-02
2449	497056.82	3858864.83	0.24812	0.15874	0.7476	0.16693	1.00E-03	4.74E-03	4.77E-03	5.27E-04	1.10E-02	9.12E-04	5.12E-09	6.36E-05	1.44E-05	9.90E-04	1.16E-03	4.74E-03	4.77E-03	5.27E-04	1.12E-02
2450	497156.82	3858864.83	0.25131	0.15543	0.7414	0.16629	1.02E-03	4.64E-03	4.73E-03	5.25E-04	1.09E-02	9.24E-04	5.01E-09	6.31E-05	1.43E-05	1.00E-03	1.18E-03	4.64E-03	4.73E-03	5.25E-04	1.11E-02
2451	497256.82	3858864.83	0.24938	0.15472	0.7356	0.16541	1.01E-03	4.62E-03	4.69E-03	5.22E-04	1.08E-02	9.17E-04	4.99E-09	6.26E-05	1.42E-05	9.94E-04	1.17E-03	4.62E-03	4.69E-03	5.22E-04	1.10E-02
2452	496856.82	3858964.83	0.26919	0.17419	0.9284	0.16344	1.09E-03	5.20E-03	5.92E-03	5.16E-04	1.27E-02	9.90E-04	5.61E-09	7.90E-05	1.41E-05	1.08E-03	1.26E-03	5.20E-03	5.92E-03	5.16E-04	1.29E-02
2453	496956.82	3858964.83	0.2576	0.16916	0.8644	0.16262	1.04E-03	5.05E-03	5.51E-03	5.13E-04	1.21E-02	9.47E-04	5.45E-09	7.35E-05	1.40E-05	1.03E-03	1.20E-03	5.05E-03	5.51E-03	5.13E-04	1.23E-02
2454	497056.82	3858964.83	0.25547	0.16586	0.8441	0.16174	1.03E-03	4.95E-03	5.38E-03	5.11E-04	1.19E-02	9.39E-04	5.35E-09	7.18E-05	1.39E-05	1.02E-03	1.19E-03	4.95E-03	5.38E-03	5.11E-04	1.20E-02
2455	497156.82	3858964.83	0.25302	0.16248	0.8133	0.16084	1.02E-03	4.85E-03	5.19E-03	5.08E-04	1.16E-02	9.30E-04	5.24E-09	6.92E-05	1.38E-05	1.01E-03	1.18E-03	4.85E-03	5.19E-03	5.08E-04	1.17E-02
2456	497256.82	3858964.83	0.25361	0.16768	0.8344	0.15966	1.03E-03	5.00E-03	5.32E-03	5.04E-04	1.19E-02	9.32E-04	5.40E-09	7.10E-05	1.37E-05	1.02E-03	1.19E-03	5.00E-03	5.32E-03	5.04E-04	1.20E-02
2457	496856.82	3859064.83	0.31118	0.18208	1.061	0.16311	1.26E-03	5.43E-03	6.77E-03	5.15E-04	1.40E-02	1.14E-03	5.87E-09	9.02E-05	1.40E-05	1.25E-03	1.46E-03	5.43E-03	6.77E-03	5.15E-04	1.42E-02
2458	496956.82	3859064.83	0.30341	0.17974	1.0283	0.16222	1.23E-03	5.36E-03	6.56E-03	5.12E-04	1.37E-02	1.12E-03	5.79E-09	8.75E-05	1.40E-05	1.22E-03	1.42E-03	5.36E-03	6.56E-03	5.12E-04	1.39E-02
2459	497056.82	3859064.83	0.29379	0.17728	1.0021	0.16163	1.19E-03	5.29E-03	6.39E-03	5.10E-04	1.34E-02	1.08E-03	5.71E-09	8.52E-05	1.39E-05	1.18E-03	1.37E-03	5.29E-03	6.39E-03	5.10E-04	1.36E-02
2460	497156.82	3859064.83	0.27887	0.17503	0.9795	0.16121	1.13E-03	5.22E-03	6.25E-03	5.09E-04	1.31E-02	1.03E-03	5.64E-09	8.33E-05	1.39E-05	1.12E-03	1.30E-03	5.22E-03	6.25E-03	5.09E-04	1.33E-02
2461	497256.82	3859064.83	0.28289	0.17758	1.0398	0.16357	1.14E-03	5.30E-03	6.63E-03	5.16E-04	1.36E-02	1.04E-03	5.72E-09	8.84E-05	1.41E-05	1.14E-03	1.32E-03	5.30E-03	6.63E-03	5.16E-04	1.38E-02
2462	496856.82	3859164.83	0.34667	0.1889	1.0959	0.17181	1.40E-03	5.64E-03	6.99E-03	5.42E-04	1.46E-02	1.27E-03	6.09E-09	9.32E-05	1.48E-05	1.38E-03	1.62E-03	5.64E-03	6.99E-03	5.42E-04	1.48E-02
2463	496956.82	3859164.83	0.33224	0.18596	1.0642	0.17065	1.34E-03	5.55E-03	6.79E-03	5.39E-04	1.42E-02	1.22E-03	5.99E-09	9.05E-05	1.47E-05	1.33E-03	1.55E-03	5.55E-03	6.79E-03	5.39E-04	1.44E-02
2464	497056.82	3859164.83	0.32021	0.18537	1.0645	0.17068	1.29E-03	5.53E-03	6.79E-03	5.39E-04	1.42E-02	1.18E-03	5.97E-09	9.05E-05	1.47E-05	1.28E-03	1.50E-03	5.53E-03	6.79E-03	5.39E-04	1.44E-02
2465	497156.82	3859164.83	0.32146	0.18745	1.091	0.17202	1.30E-03	5.59E-03	6.96E-03	5.43E-04	1.44E-02	1.18E-03	6.04E-09	9.28E-05	1.48E-05	1.29E-03	1.50E-03	5.59E-03	6.96E-03	5.43E-04	1.46E-02
2466	497256.82	3859164.83	0.34447	0.19309	1.1642	0.17496	1.39E-03	5.76E-03	7.43E-03	5.52E-04	1.51E-02	1.27E-03	6.22E-09	9.90E-05	1.51E-05	1.38E-03	1.61E-03	5.76E-03	7.43E-03	5.52E-04	1.53E-02
2467	496856.82	3859264.83	0.35469	0.19306	1.1054	0.18026	1.43E-03	5.76E-03	7.05E-03	5.69E-04	1.48E-02	1.30E-03	6.22E-09	9.40E-05	1.55E-05	1.41E-03	1.66E-03	5.76E-03	7.05E-03	5.69E-04	1.50E-02
2468	496956.82	3859264.83	0.35924	0.19467	1.1073	0.18072	1.45E-03	5.81E-03	7.06E-03	5.71E-04	1.49E-02	1.32E-03	6.27E-09	9.42E-05	1.56E-05	1.43E-03	1.68E-03	5.81E-03	7.06E-03	5.71E-04	1.51E-02
2469	497056.82	3859264.83	0.36797	0.19811	1.1236	0.18172	1.49E-03	5.91E-03	7.17E-03	5.74E-04	1.51E-02	1.35E-03	6.39E-09	9.56E-05	1.56E-05	1.46E-03	1.72E-03	5.91E-03	7.17E-03	5.74E-04	1.54E-02
2470	497156.82	3859264.83	0.36439	0.20018	1.1331	0.18057	1.47E-03	5.97E-03	7.23E-03	5.70E-04	1.52E-02	1.34E-03	6.45E-09	9.64E-05	1.55E-05	1.45E-03	1.70E-03	5.97E-03	7.23E-03	5.70E-04	1.55E-02
2471	497256.82	3859264.83	0.36474	0.20583	1.1671	0.17928	1.47E-03	6.14E-03	7.44E-03	5.66E-04	1.56E-02	1.34E-03	6.63E-09	9.93E-05	1.54E-05	1.46E-03	1.71E-03	6.14E-03	7.44E-03	5.66E-04	1.59E-02
2472	497088.92	3858620.93	0.23383	0.13157	0.5995	0.15063	9.45E-04	3.93E-03	3.82E-03	4.76E-04	9.17E-03	8.60E-04	4.24E-09	5.10E-05	1.30E-05	9.24E-04	1.09E-03	3.93E-03	3.82E-03	4.76E-04	9.32E-03
2473	497138.92	3858620.93	0.23305	0.13137	0.5991	0.15091	9.42E-04	3.92E-03	3.82E-03	4.76E-04	9.16E-03	8.57E-04	4.23E-09	5.10E-05	1.30E-05	9.21E-04	1.09E-03	3.92E-03	3.82E-03	4.76E-04	9.31E-03
2474	497188.92	3858620.93	0.22964	0.13041	0.5971	0.14941	9.28E-04	3.89E-03	3.81E-03	4.72E-04	9.10E-03	8.44E-04	4.20E-09	5.08E-05	1.29E-05	9.08E-04	1.07E-03	3.89E-03	3.81E-03	4.72E-04	9.24E-03
2475	497238.92	3858620.93	0.22798	0.12965	0.5957	0.14899	9.22E-04	3.87E-03	3.80E-03	4.70E-04	9.06E-03	8.38E-04	4.18E-09	5.07E-05	1.28E-05	9.02E-04	1.07E-03	3.87E-03	3.80E-03	4.70E-04	9.20E-03
2476	497088.92	3858670.93	0.23136	0.13442	0.5862	0.14929	9.35E-04	4.01E-03	3.74E-03	4.71E-04	9.16E-03	8.51E-04	4.33E-09	4.99E-05	1.29E-05	9.13E-04	1.08E-03	4.01E-03	3.74E-03	4.71E-04	9.30E-03
2477	497138.92	3858670.93	0.23458	0.13762	0.5851	0.15048	9.48E-04	4.11E-03	3.73E-03	4.75E-04	9.26E-03	8.62E-04	4.44E-09	4.98E-05	1.30E-05	9.25E-04	1.10E-03	4.11E-03	3.73E-03	4.75E-04	9.41E-03
2478	497188.92	3858670.93	0.23335	0.13625	0.5806	0.14944	9.43E-04	4.06E-03	3.70E-03	4.72E-04	9.18E-03	8.58E-04	4.39E-09	4.94E-05	1.29E-05	9.20E-04	1.09E-03	4.06E-03	3.70E-03	4.72E-04	9.33E-03
2479	497238.92	3858670.93	0.23317	0.13598	0.581	0.14961	9.43E-04	4.06E-03	3.71E-03	4.72E-04	9.18E-03	8.57E-04	4.38E-09	4.94E-05	1.29E-05	9.20E-04	1.09E-03	4.06E-03	3.71E-03	4.72E-04	9.33E-03
2480	497088.92	3858720.93	0.23734	0.1413	0.6754	0.15365	9.59E-04	4.22E-03	4.31E-03	4.85E-04	9.97E-03	8.73E-04	4.55E-09	5.74E-05	1.32E-05	9.43E-04	1.11E-03	4.22E-03	4.31E-03	4.85E-04	1.01E-02
2481	497138.92	3858720.93	0.23069	0.13846	0.6222	0.15132	9.32E-04	4.13E-03	3.97E-03	4.78E-04	9.51E-03	8.48E-04	4.46E-09	5.29E-05	1.30E-05	9.14E-04	1.08E-03	4.13E-03	3.97E-03	4.78E-04	9.66E-03
2482	497188.92	3858720.93	0.2305	0.13804	0.6167	0.1508	9.32E-04	4.12E-03	3.93E-03	4.76E-04	9.46E-03	8.47E-04	4.45E-09	5.24E-05	1.30E-05	9.13E-04	1.08E-03	4.12E-03	3.93E-03	4.76E-04	9.61E-03
2483	497238.92	3858720.93	0.23704	0.13993	0.665	0.15311	9.58E-04	4.17E-03	4.24E-03	4.83E-04	9.86E-03	8.71E-04	4.51E-09	5.66E-05	1.32E-05	9.41E-04	1.11E-03	4.17E-03	4.24E-03	4.83E-04	1.00E-02
2484	497088.92	3858770.93	0.24315	0.14832	0.6563	0.15567	9.83E-04	4.42E-03	4.19E-03	4.92E-04	1.01E-02	8.94E-04	4.78E-09	5.58E-05	1.34E-05	9.63E-04	1.14E-03	4.42E-03	4.19E-03	4.92E-04	1.02E-02
2485	497138.92	3858770.93	0.2375	0.1446	0.6542	0.15476	9.60E-04	4.31E-03	4.17E-03	4.89E-04	9.94E-03	8.73E-04	4.66E-09	5.56E-05	1.33E-05	9.42E-04	1.11E-03	4.31E-03	4.17E-03	4.89E-04	1.01E-02
2486	497188.92	3858770.93	0.23667	0.14378	0.6547	0.15422	9.57E-04	4.29E-03	4.18E-03	4.87E-04	9.91E-03	8.70E-04	4.63E-09	5.57E-05	1.33E-05	9.39E-04	1.11E-03	4.29E-03	4.18E-03	4.87E-04	1.01E-02
2487	497238.92	3858770.93	0.23952	0.14508	0.6564	0.15364	9.68E-04	4.33E-03	4.19E-03	4.85E-04	9.97E-03	8.81E-04	4.68E-09	5.58E-05	1.32E-05	9.50E-04	1.12E-03	4.33E-03	4.19E-03	4.85E-04	1.01E-02
2488	497396.65	3858622.63	0.24899	0.13744	0.6143	0.15624	1.01E-03	4.10E-03	3.92E-03	4.93E-04	9.52E-03	9.15E-04	4.43E-09	5.22E-05	1.35E-05	9.81E-04	1.16E-03	4.10E-03	3.92E-03	4.93E-04	9.68E-03
2489	497496.65	3858622.63	0.26208	0.14305	0.61	0.15934	1.06E-03	4.27E-03	3.89E-03	5.03E-04	9.72E-03	9.64E-04	4.61E-09	5.19E-05	1.37E-05	1.03E-03	1.23E-03	4.27E-03	3.89E-03	5.03E-04	9.89E-03
2490	497596.65	3858622.63	0.28001	0.15149	0.704	0.16611	1.13E-03	4.52E-03	4.49E-03	5.24E-04	1.07E-02	1.03E-03	4.88E-09	5.99E-05	1.43E-05	1.10E-03	1.31E-03	4.52E-03	4.49E-03	5.24E-04	1.08E-02
2491	497696.65	3858622.63	0.28689	0.15546	0.7074	0.16627	1.16E-03	4.64E-03	4.51E-03	5.25E-04	1.08E-02	1.05E-03	5.01E-09	6.02E-05	1.43E-05	1.13E-03	1.34E-03	4.64E-03	4.51E-03	5.25E-04	1.10E-02
2492	497796.65	3858622.63	0.30726	0.15959	0.7112	0.16648	1.24E-03	4.76E-03	4.54E-03	5.26E-04	1.11E-02	1.13E-03	5.14E-09	6.05E-05	1.43E-05	1.20E-03	1.44E-03	4.76E-03	4.54E-03	5.26E-04	1.13E-02
2493	497896.65	3858622.63	0.32296	0.16602	0.7433	0.16657	1.31E-03	4.95E-03	4.74E-03	5.26E-04	1.15E-02	1.19E-03	5.35E-09	6.32E-05	1.43E-05	1.26E-03	1.51E-03	4.95E-03	4.74E-03	5.26E-04	1.17E-02
2494	497396.65	3858722.63	0.25881	0.15085	0.702	0.16586	1.05E-03	4.50E-03	4.48E-03	5.24E-04	1.05E-02	9.52E-04	4.86E-09	5.97E-05	1.43E-05	1.03E-03	1.21E-03	4.50E-03	4.48E-03	5.24E-04	1.07E-02
2495	497496.65	3858722.63	0.27247	0.15459	0.7161	0.16641	1.10E-03	4.61E-03	4.57E-03	5.25E-04	1.08E-02	1.00E-03	4.98E-09	6.09E-05	1.43E-05	1.08E-03	1.27E-03	4.61E-03	4.57E-03	5.25E-04	1.10E-02
2496	497596.65	3858722.63	0.29802	0.1614	0.7358	0.16724	1.20E-03	4.82E-03	4.69E-03	5.28E-04	1.12E-02	1.10E-03	5.20E-09	6.26E-05	1.44E-05	1.17E-03	1.39E-03	4.82E-03	4.69E-03	5.28E-04	1.14E-02
2497	497696.65	3858722.63	0.29943	0.16614	0.7357	0.16777	1.21E-03	4.96E-03	4.69E-03	5.30E-04	1.14E-02	1.10E-03	5.35E-09	6.26E-05	1.44E-05	1.18E-03	1.40E-03	4.96E-03	4.69E-03	5.30E-04	1.16E-02

2498	497796.65	3858722.63	0.31117	0.16975	0.7279	0.1681	1.26E-03	5.06E-03	4.64E-03	5.31E-04	1.15E-02	1.14E-03	5.47E-09	6.19E-05	1.45E-05	1.22E-03	1.46E-03	5.06E-03	4.64E-03	5.31E-04	1.17E-02
2499	497896.65	3858722.63	0.33399	0.17763	0.7518	0.1685	1.35E-03	5.30E-03	4.80E-03	5.32E-04	1.20E-02	1.23E-03	5.73E-09	6.39E-05	1.45E-05	1.31E-03	1.56E-03	5.30E-03	4.80E-03	5.32E-04	1.22E-02
2500	497396.65	3858822.63	0.27311	0.16205	0.8536	0.16557	1.10E-03	4.83E-03	5.44E-03	5.23E-04	1.19E-02	1.00E-03	5.22E-09	7.26E-05	1.43E-05	1.09E-03	1.28E-03	4.83E-03	5.44E-03	5.23E-04	1.21E-02
2501	497496.65	3858822.63	0.27688	0.16595	0.8555	0.16445	1.12E-03	4.95E-03	5.46E-03	5.19E-04	1.20E-02	1.02E-03	5.35E-09	7.28E-05	1.42E-05	1.10E-03	1.29E-03	4.95E-03	5.46E-03	5.19E-04	1.22E-02
2502	497596.65	3858822.63	0.29972	0.17716	0.934	0.16551	1.21E-03	5.29E-03	5.96E-03	5.23E-04	1.30E-02	1.10E-03	5.71E-09	7.94E-05	1.43E-05	1.20E-03	1.40E-03	5.29E-03	5.96E-03	5.23E-04	1.32E-02
2503	497696.65	3858822.63	0.31278	0.18101	0.925	0.17026	1.26E-03	5.40E-03	5.90E-03	5.38E-04	1.31E-02	1.15E-03	5.83E-09	7.87E-05	1.47E-05	1.24E-03	1.46E-03	5.40E-03	5.90E-03	5.38E-04	1.33E-02
2504	497796.65	3858822.63	0.32889	0.18328	0.9206	0.17386	1.33E-03	5.47E-03	5.87E-03	5.49E-04	1.32E-02	1.21E-03	5.91E-09	7.83E-05	1.50E-05	1.30E-03	1.54E-03	5.47E-03	5.87E-03	5.49E-04	1.34E-02
2505	497896.65	3858822.63	0.34999	0.1937	0.919	0.17423	1.41E-03	5.78E-03	5.86E-03	5.50E-04	1.36E-02	1.29E-03	6.24E-09	7.82E-05	1.50E-05	1.38E-03	1.64E-03	5.78E-03	5.86E-03	5.50E-04	1.38E-02
2506	497396.65	3858922.63	0.26764	0.17039	0.8972	0.16055	1.08E-03	5.08E-03	5.72E-03	5.07E-04	1.24E-02	9.84E-04	5.49E-09	7.63E-05	1.38E-05	1.07E-03	1.25E-03	5.08E-03	5.72E-03	5.07E-04	1.26E-02
2507	497496.65	3858922.63	0.29734	0.17997	1.0393	0.15929	1.20E-03	5.37E-03	6.63E-03	5.03E-04	1.37E-02	1.09E-03	5.80E-09	8.84E-05	1.37E-05	1.20E-03	1.39E-03	5.37E-03	6.63E-03	5.03E-04	1.39E-02
2508	497596.65	3858922.63	0.29994	0.18048	1.0295	0.15825	1.21E-03	5.38E-03	6.57E-03	5.00E-04	1.37E-02	1.10E-03	5.82E-09	8.76E-05	1.36E-05	1.20E-03	1.40E-03	5.38E-03	6.57E-03	5.00E-04	1.39E-02
2509	497696.65	3858922.63	0.33534	0.19533	1.2087	0.16057	1.36E-03	5.83E-03	7.71E-03	5.07E-04	1.54E-02	1.23E-03	6.30E-09	1.03E-04	1.38E-05	1.35E-03	1.57E-03	5.83E-03	7.71E-03	5.07E-04	1.56E-02
2510	497796.65	3858922.63	0.35361	0.20419	1.1984	0.16474	1.43E-03	6.09E-03	7.64E-03	5.20E-04	1.57E-02	1.30E-03	6.58E-09	1.02E-04	1.42E-05	1.42E-03	1.65E-03	6.09E-03	7.64E-03	5.20E-04	1.59E-02
2511	497896.65	3858922.63	0.38368	0.2145	1.2157	0.17858	1.55E-03	6.40E-03	7.75E-03	5.64E-04	1.63E-02	1.41E-03	6.91E-09	1.03E-04	1.54E-05	1.53E-03	1.79E-03	6.40E-03	7.75E-03	5.64E-04	1.65E-02
2512	497364.44	3858201.52	0.20779	0.11698	0.6064	0.14093	8.40E-04	3.49E-03	3.87E-03	4.45E-04	8.64E-03	7.64E-04	3.77E-09	5.16E-05	1.21E-05	8.28E-04	9.72E-04	3.49E-03	3.87E-03	4.45E-04	8.77E-03
2513	497414.44	3858201.52	0.21274	0.11831	0.6069	0.14079	8.60E-04	3.53E-03	3.87E-03	4.45E-04	8.71E-03	7.82E-04	3.81E-09	5.16E-05	1.21E-05	8.46E-04	9.95E-04	3.53E-03	3.87E-03	4.45E-04	8.84E-03
2514	497464.44	3858201.52	0.21495	0.1198	0.6117	0.14049	8.69E-04	3.57E-03	3.90E-03	4.44E-04	8.79E-03	7.90E-04	3.86E-09	5.20E-05	1.21E-05	8.54E-04	1.01E-03	3.57E-03	3.90E-03	4.44E-04	8.92E-03
2515	497514.44	3858201.52	0.21507	0.12079	0.6098	0.13997	8.69E-04	3.60E-03	3.89E-03	4.42E-04	8.80E-03	7.91E-04	3.89E-09	5.19E-05	1.21E-05	8.55E-04	1.01E-03	3.60E-03	3.89E-03	4.42E-04	8.94E-03
2516	497564.44	3858201.52	0.21366	0.12007	0.6068	0.13947	8.64E-04	3.58E-03	3.87E-03	4.40E-04	8.76E-03	7.86E-04	3.87E-09	5.16E-05	1.20E-05	8.49E-04	9.99E-04	3.58E-03	3.87E-03	4.40E-04	8.89E-03
2517	497614.44	3858201.52	0.21318	0.11999	0.6074	0.13938	8.62E-04	3.58E-03	3.87E-03	4.40E-04	8.76E-03	7.84E-04	3.87E-09	5.17E-05	1.20E-05	8.47E-04	9.97E-04	3.58E-03	3.87E-03	4.40E-04	8.89E-03
2518	497364.44	3858251.52	0.21141	0.11989	0.629	0.14005	8.55E-04	3.58E-03	4.01E-03	4.42E-04	8.89E-03	7.77E-04	3.86E-09	5.35E-05	1.21E-05	8.43E-04	9.89E-04	3.58E-03	4.01E-03	4.42E-04	9.02E-03
2519	497414.44	3858251.52	0.21651	0.12122	0.6315	0.13976	8.75E-04	3.62E-03	4.03E-03	4.41E-04	8.96E-03	7.96E-04	3.91E-09	5.37E-05	1.20E-05	8.62E-04	1.01E-03	3.62E-03	4.03E-03	4.41E-04	9.10E-03
2520	497464.44	3858251.52	0.21395	0.12053	0.627	0.13915	8.65E-04	3.60E-03	4.00E-03	4.39E-04	8.90E-03	7.87E-04	3.88E-09	5.33E-05	1.20E-05	8.52E-04	1.00E-03	3.60E-03	4.00E-03	4.39E-04	9.04E-03
2521	497514.44	3858251.52	0.21273	0.11969	0.6247	0.1385	8.60E-04	3.57E-03	3.98E-03	4.37E-04	8.85E-03	7.82E-04	3.86E-09	5.31E-05	1.19E-05	8.47E-04	9.95E-04	3.57E-03	3.98E-03	4.37E-04	8.99E-03
2522	497564.44	3858251.52	0.21281	0.1192	0.6232	0.13795	8.60E-04	3.56E-03	3.97E-03	4.36E-04	8.83E-03	7.82E-04	3.84E-09	5.30E-05	1.19E-05	8.47E-04	9.95E-04	3.56E-03	3.97E-03	4.36E-04	8.96E-03
2523	497614.44	3858251.52	0.21288	0.11855	0.6212	0.13791	8.61E-04	3.54E-03	3.96E-03	4.35E-04	8.80E-03	7.83E-04	3.82E-09	5.28E-05	1.19E-05	8.47E-04	9.96E-04	3.54E-03	3.96E-03	4.35E-04	8.93E-03
2524	497364.44	3858301.52	0.21485	0.1207	0.6314	0.13969	8.68E-04	3.60E-03	4.03E-03	4.41E-04	8.94E-03	7.90E-04	3.89E-09	5.37E-05	1.20E-05	8.56E-04	1.00E-03	3.60E-03	4.03E-03	4.41E-04	9.07E-03
2525	497414.44	3858301.52	0.21981	0.12248	0.6392	0.1404	8.89E-04	3.65E-03	4.08E-03	4.43E-04	9.06E-03	8.08E-04	3.95E-09	5.44E-05	1.21E-05	8.75E-04	1.03E-03	3.65E-03	4.08E-03	4.43E-04	9.20E-03
2526	497464.44	3858301.52	0.21558	0.12096	0.63	0.13984	8.71E-04	3.61E-03	4.02E-03	4.42E-04	8.94E-03	7.93E-04	3.90E-09	5.36E-05	1.20E-05	8.58E-04	1.01E-03	3.61E-03	4.02E-03	4.42E-04	9.08E-03
2527	497514.44	3858301.52	0.21309	0.11984	0.6267	0.13957	8.61E-04	3.58E-03	4.00E-03	4.41E-04	8.87E-03	7.83E-04	3.86E-09	5.33E-05	1.20E-05	8.49E-04	9.97E-04	3.58E-03	4.00E-03	4.41E-04	9.01E-03
2528	497564.44	3858301.52	0.21015	0.11831	0.6201	0.13895	8.49E-04	3.53E-03	3.96E-03	4.39E-04	8.77E-03	7.73E-04	3.81E-09	5.27E-05	1.20E-05	8.37E-04	9.83E-04	3.53E-03	3.96E-03	4.39E-04	8.91E-03
2529	497614.44	3858301.52	0.20999	0.11763	0.6175	0.13895	8.49E-04	3.51E-03	3.94E-03	4.39E-04	8.74E-03	7.72E-04	3.79E-09	5.25E-05	1.20E-05	8.37E-04	9.82E-04	3.51E-03	3.94E-03	4.39E-04	8.87E-03
2530	497364.44	3858351.52	0.22221	0.12277	0.6392	0.1419	8.98E-04	3.66E-03	4.08E-03	4.48E-04	9.09E-03	8.17E-04	3.96E-09	5.44E-05	1.22E-05	8.84E-04	1.04E-03	3.66E-03	4.08E-03	4.48E-04	9.23E-03
2531	497414.44	3858351.52	0.22033	0.12166	0.6349	0.14163	8.91E-04	3.63E-03	4.05E-03	4.47E-04	9.02E-03	8.10E-04	3.92E-09	5.40E-05	1.22E-05	8.76E-04	1.03E-03	3.63E-03	4.05E-03	4.47E-04	9.16E-03
2532	497464.44	3858351.52	0.21982	0.12101	0.6331	0.14171	8.89E-04	3.61E-03	4.04E-03	4.47E-04	8.98E-03	8.08E-04	3.90E-09	5.38E-05	1.22E-05	8.74E-04	1.03E-03	3.61E-03	4.04E-03	4.47E-04	9.12E-03
2533	497514.44	3858351.52	0.2184	0.12005	0.6295	0.14152	8.83E-04	3.58E-03	4.02E-03	4.47E-04	8.93E-03	8.03E-04	3.87E-09	5.35E-05	1.22E-05	8.69E-04	1.02E-03	3.58E-03	4.02E-03	4.47E-04	9.07E-03
2534	497564.44	3858351.52	0.21407	0.11819	0.6207	0.14059	8.65E-04	3.53E-03	3.96E-03	4.44E-04	8.79E-03	7.87E-04	3.81E-09	5.28E-05	1.21E-05	8.52E-04	1.00E-03	3.53E-03	3.96E-03	4.44E-04	8.93E-03
2535	497614.44	3858351.52	0.21328	0.11796	0.6187	0.1406	8.62E-04	3.52E-03	3.95E-03	4.44E-04	8.77E-03	7.84E-04	3.80E-09	5.26E-05	1.21E-05	8.49E-04	9.97E-04	3.52E-03	3.95E-03	4.44E-04	8.91E-03
2536	497364.44	3858401.52	0.22434	0.12194	0.6311	0.14377	9.07E-04	3.64E-03	4.03E-03	4.54E-04	9.02E-03	8.25E-04	3.93E-09	5.37E-05	1.24E-05	8.91E-04	1.05E-03	3.64E-03	4.03E-03	4.54E-04	9.17E-03
2537	497414.44	3858401.52	0.22334	0.12232	0.6261	0.14318	9.03E-04	3.65E-03	3.99E-03	4.52E-04	9.00E-03	8.21E-04	3.94E-09	5.32E-05	1.23E-05	8.87E-04	1.04E-03	3.65E-03	3.99E-03	4.52E-04	9.14E-03
2538	497464.44	3858401.52	0.22179	0.12157	0.6216	0.14278	8.97E-04	3.63E-03	3.97E-03	4.51E-04	8.94E-03	8.15E-04	3.92E-09	5.29E-05	1.23E-05	8.81E-04	1.04E-03	3.63E-03	3.97E-03	4.51E-04	9.08E-03
2539	497514.44	3858401.52	0.22093	0.1216	0.6194	0.14268	8.93E-04	3.63E-03	3.95E-03	4.50E-04	8.92E-03	8.12E-04	3.92E-09	5.27E-05	1.23E-05	8.77E-04	1.03E-03	3.63E-03	3.95E-03	4.50E-04	9.06E-03
2540	497564.44	3858401.52	0.22313	0.1227	0.6375	0.14383	9.02E-04	3.66E-03	4.07E-03	4.54E-04	9.08E-03	8.20E-04	3.95E-09	5.42E-05	1.24E-05	8.87E-04	1.04E-03	3.66E-03	4.07E-03	4.54E-04	9.22E-03
2541	497614.44	3858401.52	0.22867	0.12373	0.656	0.14559	9.24E-04	3.69E-03	4.18E-03	4.60E-04	9.26E-03	8.41E-04	3.99E-09	5.58E-05	1.25E-05	9.09E-04	1.07E-03	3.69E-03	4.18E-03	4.60E-04	9.40E-03
2542	493478.11	3860497.94	0.63922	0.83271	0.7738	0.21639	2.58E-03	2.48E-02	4.94E-03	6.83E-04	3.30E-02	2.35E-03	2.68E-08	6.58E-05	1.86E-05	2.43E-03	2.99E-03	2.48E-02	4.94E-03	6.83E-04	3.35E-02
2543	493528.11	3860497.94	0.63731	0.82623	0.7668	0.21623	2.58E-03	2.46E-02	4.89E-03	6.83E-04	3.28E-02	2.34E-03	2.66E-08	6.52E-05	1.86E-05	2.43E-03	2.98E-03	2.46E-02	4.89E-03	6.83E-04	3.32E-02
2544	493478.11	3860547.94	0.60901	0.81823	0.7574	0.21149	2.46E-03	2.44E-02	4.83E-03	6.68E-04	3.24E-02	2.24E-03	2.64E-08	6.44E-05	1.82E-05	2.32E-03	2.85E-03	2.44E-02	4.83E-03	6.68E-04	3.28E-02
2545	493528.11	3860547.94	0.62494	0.80764	0.7778	0.2116	2.53E-03	2.41E-02	4.96E-03	6.68E-04	3.22E-02	2.30E-03	2.60E-08	6.61E-05	1.82E-05	2.38E-03	2.92E-03	2.41E-02	4.96E-03	6.68E-04	3.26E-02
2546	493478.11	3860597.94	0.56797	0.79687	0.733	0.2	2.30E-03	2.38E-02	4.68E-03	6.31E-04	3.14E-02	2.09E-03	2.57E-08	6.23E-05	1.72E-05	2.17E-03	2.66E-03	2.38E-02	4.68E-03	6.31E-04	3.17E-02
2547	493528.11	3860597.94	0.58147	0.7945	0.7196	0.20062	2.35E-03	2.37E-02	4.59E-03	6.33E-04	3.13E-02	2.14E-03	2.56E-08	6.12E-05	1.73E-05	2.22E-03	2.72E-03	2.37E-02	4.59E-03	6.33E-04	3.16E-02
2548	493561.88	3860524.64	0.62986	0.80936	0.7444	0.21376	2.55E-03	2.41E-02	4.75E-03	6.75E-04	3.21E-02	2.32E-03	2.61E-08	6.33E-05	1.84E-05	2.40E-03	2.95E-03	2.41E-02	4.75E-03	6.75E-04	3.25E-02
2549	493591.88	3860524.64	0.6294	0.8054	0.7588	0.21353	2.54E-03	2.40E-02	4.84E-03	6.74E-04	3.21E-02	2.31E-03	2.60E-08	6.45E-05	1.84E-05	2.40E-03	2.94E-03	2.40E-02	4.84E-03	6.74E-04	3.25E-02
2550	493561.88	3860554.64	0.62251	0.80348	0.7774	0.21083	2.52E-03	2.40E-02	4.96E-03	6.66E-04	3.21E-02	2.29E-03	2.59E-08	6.61E-05	1.82E-05	2.37E-03	2.91E-03	2.40E-02	4.96E-03	6.66E-04	3.25E-02
2551	493591.88	3860554.64	0.62283	0.79717	0.7583	0.21057	2.52E-03	2.38E-02	4.84E-03	6.65E-04	3.18E-02	2.29E-03	2.57E-08	6.45E-05	1.81E-05	2.37E-03	2.91E-03	2.38E-02	4.84E-03	6.65E-04	3.22E-02
2552	492880.5	3860293.11	0.64318	0.96986	0.8232	0.23996	2.60E-03	2.89E-02	5.25E-03	7.58E-04	3.75E-02	2.36E-03	3.13E-08	7.00E-05	2.07E-05	2.46E-03	3.01E-03	2.89E-02	5.25E-03	7.58E-04	3.80E-02
2553	492930.5	3860293.11	0.6347	0.95318	0.8474	0.23648	2.57E-03	2.84E-02	5.40E-03	7.47E-04	3.72E-02	2.33E-03	3.07E-08	7.21E-05	2.04E-05	2.43E-03	2.97E-03	2.84E-02	5.40E-03	7.47E-04	3.76E-02
2554	492980.5	3860293.11	0.65836	0.93578	0.8953	0.23334	2.66E-03	2.79E-02	5.71E-03	7.37E-04	3.70E-02	2.42E-03	3.02E-08	7.61E-05	2.01E-05	2.52E-03	3.08E-03	2.79E-02	5.71E-03	7.37E-04	3.74E-02
2555	493030.5	3860293.11	0.68569	0.90481	0.8573	0.23125	2.77E-03	2.70E-02	5.47E-03	7.30E-04	3.60E-02	2.52E-03	2.92E-08	7.29E-05	1.99E-05	2.61E-03	3.21E-03	2.70E-02	5.47E-03	7.30E-04	3.64E-02
2556	493080.5	3860293.11	0.71013	0.87647	0.8133	0.22908	2.87E-03	2.61E-02	5.19E-03	7.23E-04	3.49E-02	2.61E-03	2.82E-08	6.92E-05	1.97E-05	2.70E-03	3.32E-03	2.61E-02	5.19E-03	7.23E-04	3.54E-02
2557	493130.5	3860293.11	0.70505	0.88393	0.8879	0.22926	2.85E-03	2.64E-02	5.66E-03	7.24E-04	3.56E-02	2.59E-03	2.85E-08	7.55E-05	1.97E-05	2.69E-03	3.30E-03	2.64E-02	5.66E-03	7.24E-04	3.61E-02
2558	493180.5	3860293.11	0.69985	0.8846	0.9582	0.22926	2.83E-03	2.64E-02	6.11E-03	7.24E-04	3.61E-02	2.57E-03	2.85E-08	8.15E-05	1.97E-05	2.67E-03	3.27E-03	2.64E-02	6.11E-03	7.24E-04	3.65E-02

2559	493230.5	3860293.11	0.67257	0.87785	1.0043	0.22863	2.72E-03	2.62E-02	6.41E-03	7.22E-04	3.60E-02	2.47E-03	2.83E-08	8.54E-05	1.97E-05	2.58E-03	3.15E-03	2.62E-02	6.41E-03	7.22E-04	3.65E-02
2560	493280.5	3860293.11	0.68911	0.86342	1.0231	0.22722	2.79E-03	2.58E-02	6.53E-03	7.17E-04	3.58E-02	2.53E-03	2.78E-08	8.70E-05	1.96E-05	2.64E-03	3.22E-03	2.58E-02	6.53E-03	7.17E-04	3.62E-02
2561	493330.5	3860293.11	0.69577	0.8518	1.048	0.22618	2.81E-03	2.54E-02	6.68E-03	7.14E-04	3.56E-02	2.56E-03	2.75E-08	8.91E-05	1.95E-05	2.67E-03	3.25E-03	2.54E-02	6.68E-03	7.14E-04	3.61E-02
2562	493380.5	3860293.11	0.71527	0.8418	1.0578	0.22527	2.89E-03	2.51E-02	6.75E-03	7.11E-04	3.55E-02	2.63E-03	2.71E-08	9.00E-05	1.94E-05	2.74E-03	3.35E-03	2.51E-02	6.75E-03	7.11E-04	3.59E-02
2563	492880.5	3860343.11	0.63026	0.97483	0.7894	0.23715	2.55E-03	2.91E-02	5.04E-03	7.49E-04	3.74E-02	2.32E-03	3.14E-08	6.71E-05	2.04E-05	2.40E-03	2.95E-03	2.91E-02	5.04E-03	7.49E-04	3.78E-02
2564	492930.5	3860343.11	0.64044	0.96029	0.7812	0.23406	2.59E-03	2.86E-02	4.98E-03	7.39E-04	3.70E-02	2.35E-03	3.10E-08	6.64E-05	2.02E-05	2.44E-03	3.00E-03	2.86E-02	4.98E-03	7.39E-04	3.74E-02
2565	492980.5	3860343.11	0.63499	0.93275	0.8532	0.23093	2.57E-03	2.78E-02	5.44E-03	7.29E-04	3.66E-02	2.33E-03	3.01E-08	7.26E-05	1.99E-05	2.43E-03	2.97E-03	2.78E-02	5.44E-03	7.29E-04	3.70E-02
2566	493030.5	3860343.11	0.63282	0.9188	0.858	0.23026	2.56E-03	2.74E-02	5.47E-03	7.27E-04	3.62E-02	2.33E-03	2.96E-08	7.30E-05	1.98E-05	2.42E-03	2.96E-03	2.74E-02	5.47E-03	7.27E-04	3.66E-02
2567	493080.5	3860343.11	0.66043	0.8887	0.8816	0.22837	2.67E-03	2.65E-02	5.62E-03	7.21E-04	3.55E-02	2.43E-03	2.86E-08	7.50E-05	1.97E-05	2.52E-03	3.09E-03	2.65E-02	5.62E-03	7.21E-04	3.59E-02
2568	493130.5	3860343.11	0.67829	0.88581	0.8452	0.22809	2.74E-03	2.64E-02	5.39E-03	7.20E-04	3.53E-02	2.49E-03	2.86E-08	7.19E-05	1.96E-05	2.59E-03	3.17E-03	2.64E-02	5.39E-03	7.20E-04	3.57E-02
2569	493180.5	3860343.11	0.68639	0.88647	0.8507	0.2284	2.77E-03	2.64E-02	5.43E-03	7.21E-04	3.54E-02	2.52E-03	2.86E-08	7.24E-05	1.97E-05	2.62E-03	3.21E-03	2.64E-02	5.43E-03	7.21E-04	3.58E-02
2570	493230.5	3860343.11	0.68484	0.88019	0.8941	0.22784	2.77E-03	2.63E-02	5.70E-03	7.19E-04	3.54E-02	2.52E-03	2.84E-08	7.60E-05	1.96E-05	2.61E-03	3.20E-03	2.63E-02	5.70E-03	7.19E-04	3.59E-02
2571	493280.5	3860343.11	0.68409	0.86877	0.9336	0.22658	2.77E-03	2.59E-02	5.96E-03	7.15E-04	3.54E-02	2.52E-03	2.80E-08	7.94E-05	1.95E-05	2.61E-03	3.20E-03	2.59E-02	5.96E-03	7.15E-04	3.58E-02
2572	493330.5	3860343.11	0.66352	0.85776	0.9614	0.22555	2.68E-03	2.56E-02	6.13E-03	7.12E-04	3.51E-02	2.44E-03	2.76E-08	8.18E-05	1.94E-05	2.54E-03	3.10E-03	2.56E-02	6.13E-03	7.12E-04	3.55E-02
2573	493380.5	3860343.11	0.67734	0.84964	0.9988	0.22483	2.74E-03	2.53E-02	6.37E-03	7.10E-04	3.52E-02	2.49E-03	2.74E-08	8.49E-05	1.94E-05	2.59E-03	3.17E-03	2.53E-02	6.37E-03	7.10E-04	3.56E-02
2574	492880.5	3860393.11	0.61378	0.97028	0.7914	0.23403	2.48E-03	2.89E-02	5.05E-03	7.39E-04	3.72E-02	2.26E-03	3.13E-08	6.73E-05	2.02E-05	2.34E-03	2.87E-03	2.89E-02	5.05E-03	7.39E-04	3.76E-02
2575	492930.5	3860393.11	0.61398	0.96013	0.7853	0.2311	2.48E-03	2.86E-02	5.01E-03	7.30E-04	3.69E-02	2.26E-03	3.09E-08	6.68E-05	1.99E-05	2.34E-03	2.87E-03	2.86E-02	5.01E-03	7.30E-04	3.73E-02
2576	492980.5	3860393.11	0.62741	0.94341	0.7809	0.22865	2.54E-03	2.81E-02	4.98E-03	7.22E-04	3.64E-02	2.31E-03	3.04E-08	6.64E-05	1.97E-05	2.39E-03	2.93E-03	2.81E-02	4.98E-03	7.22E-04	3.68E-02
2577	493030.5	3860393.11	0.63216	0.92688	0.8018	0.22768	2.56E-03	2.77E-02	5.11E-03	7.19E-04	3.60E-02	2.32E-03	2.99E-08	6.82E-05	1.96E-05	2.41E-03	2.96E-03	2.77E-02	5.11E-03	7.19E-04	3.64E-02
2578	493080.5	3860393.11	0.62499	0.89907	0.8486	0.22592	2.53E-03	2.68E-02	5.41E-03	7.13E-04	3.55E-02	2.30E-03	2.90E-08	7.22E-05	1.95E-05	2.39E-03	2.92E-03	2.68E-02	5.41E-03	7.13E-04	3.59E-02
2579	493130.5	3860393.11	0.62685	0.89422	0.8401	0.22601	2.53E-03	2.67E-02	5.36E-03	7.14E-04	3.53E-02	2.30E-03	2.88E-08	7.14E-05	1.95E-05	2.40E-03	2.93E-03	2.67E-02	5.36E-03	7.14E-04	3.57E-02
2580	493180.5	3860393.11	0.64265	0.89144	0.8507	0.22639	2.60E-03	2.66E-02	5.43E-03	7.15E-04	3.53E-02	2.36E-03	2.87E-08	7.23E-05	1.95E-05	2.45E-03	3.01E-03	2.66E-02	5.43E-03	7.15E-04	3.57E-02
2581	493230.5	3860393.11	0.66191	0.87916	0.8314	0.2258	2.68E-03	2.62E-02	5.30E-03	7.13E-04	3.49E-02	2.43E-03	2.83E-08	7.07E-05	1.94E-05	2.52E-03	3.10E-03	2.62E-02	5.30E-03	7.13E-04	3.53E-02
2582	493280.5	3860393.11	0.67357	0.86827	0.8324	0.22461	2.72E-03	2.59E-02	5.31E-03	7.09E-04	3.46E-02	2.48E-03	2.80E-08	7.08E-05	1.93E-05	2.57E-03	3.15E-03	2.59E-02	5.31E-03	7.09E-04	3.51E-02
2583	493330.5	3860393.11	0.67403	0.85965	0.8719	0.22373	2.72E-03	2.56E-02	5.56E-03	7.06E-04	3.46E-02	2.48E-03	2.77E-08	7.42E-05	1.93E-05	2.57E-03	3.15E-03	2.56E-02	5.56E-03	7.06E-04	3.51E-02
2584	493380.5	3860393.11	0.66328	0.85238	0.9088	0.22309	2.68E-03	2.54E-02	5.80E-03	7.04E-04	3.46E-02	2.44E-03	2.75E-08	7.73E-05	1.92E-05	2.54E-03	3.10E-03	2.54E-02	5.80E-03	7.04E-04	3.50E-02
2585	492880.5	3860443.11	0.60139	0.94845	0.8056	0.23111	2.43E-03	2.83E-02	5.14E-03	7.30E-04	3.66E-02	2.21E-03	3.06E-08	6.85E-05	1.99E-05	2.30E-03	2.81E-03	2.83E-02	5.14E-03	7.30E-04	3.70E-02
2586	492930.5	3860443.11	0.60352	0.9399	0.7854	0.2284	2.44E-03	2.80E-02	5.01E-03	7.21E-04	3.62E-02	2.22E-03	3.03E-08	6.68E-05	1.97E-05	2.31E-03	2.82E-03	2.80E-02	5.01E-03	7.21E-04	3.66E-02
2587	492980.5	3860443.11	0.60634	0.93066	0.7808	0.22548	2.45E-03	2.78E-02	4.98E-03	7.12E-04	3.59E-02	2.23E-03	3.00E-08	6.64E-05	1.94E-05	2.32E-03	2.84E-03	2.78E-02	4.98E-03	7.12E-04	3.63E-02
2588	493030.5	3860443.11	0.60687	0.92865	0.7759	0.224	2.45E-03	2.77E-02	4.95E-03	7.07E-04	3.58E-02	2.23E-03	2.99E-08	6.60E-05	1.93E-05	2.32E-03	2.84E-03	2.77E-02	4.95E-03	7.07E-04	3.62E-02
2589	493080.5	3860443.11	0.62066	0.91616	0.7683	0.22354	2.51E-03	2.73E-02	4.90E-03	7.06E-04	3.54E-02	2.28E-03	2.95E-08	6.53E-05	1.92E-05	2.37E-03	2.90E-03	2.73E-02	4.90E-03	7.06E-04	3.58E-02
2590	493130.5	3860443.11	0.61858	0.90346	0.7721	0.22306	2.50E-03	2.70E-02	4.93E-03	7.04E-04	3.51E-02	2.27E-03	2.91E-08	6.57E-05	1.92E-05	2.36E-03	2.89E-03	2.70E-02	4.93E-03	7.04E-04	3.55E-02
2591	493180.5	3860443.11	0.60397	0.89518	0.7936	0.22343	2.44E-03	2.67E-02	5.06E-03	7.05E-04	3.49E-02	2.22E-03	2.89E-08	6.75E-05	1.92E-05	2.31E-03	2.82E-03	2.67E-02	5.06E-03	7.05E-04	3.53E-02
2592	493230.5	3860443.11	0.61462	0.87978	0.7979	0.22229	2.48E-03	2.62E-02	5.09E-03	7.02E-04	3.45E-02	2.26E-03	2.84E-08	6.79E-05	1.91E-05	2.35E-03	2.87E-03	2.62E-02	5.09E-03	7.02E-04	3.49E-02
2593	493280.5	3860443.11	0.63626	0.86575	0.8336	0.22157	2.57E-03	2.58E-02	5.32E-03	7.00E-04	3.44E-02	2.34E-03	2.79E-08	7.09E-05	1.91E-05	2.43E-03	2.98E-03	2.58E-02	5.32E-03	7.00E-04	3.48E-02
2594	493330.5	3860443.11	0.65809	0.85532	0.8267	0.22058	2.66E-03	2.55E-02	5.27E-03	6.96E-04	3.41E-02	2.42E-03	2.76E-08	7.03E-05	1.90E-05	2.51E-03	3.08E-03	2.55E-02	5.27E-03	6.96E-04	3.46E-02
2595	493380.5	3860443.11	0.65999	0.8509	0.8094	0.22035	2.67E-03	2.54E-02	5.16E-03	6.96E-04	3.39E-02	2.43E-03	2.74E-08	6.88E-05	1.90E-05	2.51E-03	3.09E-03	2.54E-02	5.16E-03	6.96E-04	3.43E-02
2596	493180.5	3860493.11	0.6113	0.87832	0.753	0.21848	2.47E-03	2.62E-02	4.80E-03	6.90E-04	3.42E-02	2.25E-03	2.83E-08	6.40E-05	1.88E-05	2.33E-03	2.86E-03	2.62E-02	4.80E-03	6.90E-04	3.46E-02
2597	493230.5	3860493.11	0.60512	0.87077	0.7467	0.21785	2.45E-03	2.60E-02	4.76E-03	6.88E-04	3.39E-02	2.22E-03	2.81E-08	6.35E-05	1.88E-05	2.31E-03	2.83E-03	2.60E-02	4.76E-03	6.88E-04	3.43E-02
2598	493280.5	3860493.11	0.59442	0.86231	0.795	0.21718	2.40E-03	2.57E-02	5.07E-03	6.86E-04	3.39E-02	2.19E-03	2.78E-08	6.76E-05	1.87E-05	2.27E-03	2.78E-03	2.57E-02	5.07E-03	6.86E-04	3.43E-02
2599	493330.5	3860493.11	0.60902	0.85183	0.7823	0.21672	2.46E-03	2.54E-02	4.99E-03	6.84E-04	3.35E-02	2.24E-03	2.75E-08	6.65E-05	1.87E-05	2.32E-03	2.85E-03	2.54E-02	4.99E-03	6.84E-04	3.39E-02
2600	493380.5	3860493.11	0.62706	0.84239	0.8058	0.21668	2.53E-03	2.51E-02	5.14E-03	6.84E-04	3.35E-02	2.31E-03	2.72E-08	6.85E-05	1.87E-05	2.39E-03	2.93E-03	2.51E-02	5.14E-03	6.84E-04	3.39E-02
2601	493330.5	3860543.11	0.59438	0.82989	0.7427	0.21101	2.40E-03	2.48E-02	4.74E-03	6.66E-04	3.26E-02	2.19E-03	2.67E-08	6.32E-05	1.82E-05	2.27E-03	2.78E-03	2.48E-02	4.74E-03	6.66E-04	3.29E-02
2602	493380.5	3860543.11	0.58092	0.82698	0.7742	0.21156	2.35E-03	2.47E-02	4.94E-03	6.68E-04	3.26E-02	2.14E-03	2.67E-08	6.58E-05	1.82E-05	2.22E-03	2.72E-03	2.47E-02	4.94E-03	6.68E-04	3.30E-02
2603	494135.94	3860876.85	0.54349	0.65408	0.6336	0.18778	2.20E-03	1.95E-02	4.04E-03	5.93E-04	2.63E-02	2.00E-03	2.11E-08	5.39E-05	1.62E-05	2.07E-03	2.54E-03	1.95E-02	4.04E-03	5.93E-04	2.67E-02
2604	494185.94	3860876.85	0.54235	0.64945	0.631	0.18964	2.19E-03	1.94E-02	4.02E-03	5.99E-04	2.62E-02	1.99E-03	2.09E-08	5.37E-05	1.63E-05	2.06E-03	2.54E-03	1.94E-02	4.02E-03	5.99E-04	2.65E-02
2605	494135.94	3860926.85	0.51433	0.65517	0.6374	0.18244	2.08E-03	1.95E-02	4.07E-03	5.76E-04	2.63E-02	1.89E-03	2.11E-08	5.42E-05	1.57E-05	1.96E-03	2.41E-03	1.95E-02	4.07E-03	5.76E-04	2.66E-02
2606	494185.94	3860926.85	0.53014	0.64569	0.6305	0.18252	2.14E-03	1.93E-02	4.02E-03	5.76E-04	2.60E-02	1.95E-03	2.08E-08	5.36E-05	1.57E-05	2.02E-03	2.48E-03	1.93E-02	4.02E-03	5.76E-04	2.63E-02
2607	494135.94	3860976.85	0.50078	0.65594	0.6404	0.18173	2.02E-03	1.96E-02	4.08E-03	5.74E-04	2.63E-02	1.84E-03	2.11E-08	5.45E-05	1.56E-05	1.91E-03	2.34E-03	1.96E-02	4.08E-03	5.74E-04	2.66E-02
2608	494185.94	3860976.85	0.49196	0.65166	0.6342	0.18197	1.99E-03	1.94E-02	4.05E-03	5.75E-04	2.60E-02	1.81E-03	2.10E-08	5.39E-05	1.57E-05	1.88E-03	2.30E-03	1.94E-02	4.05E-03	5.75E-04	2.64E-02
2609	494135.94	3861026.85	0.50208	0.64785	0.6495	0.1802	2.03E-03	1.93E-02	4.14E-03	5.69E-04	2.61E-02	1.85E-03	2.09E-08	5.52E-05	1.55E-05	1.92E-03	2.35E-03	1.93E-02	4.14E-03	5.69E-04	2.64E-02
2610	494185.94	3861026.85	0.50053	0.64056	0.6364	0.18064	2.02E-03	1.91E-02	4.06E-03	5.70E-04	2.58E-02	1.84E-03	2.06E-08	5.41E-05	1.56E-05	1.91E-03	2.34E-03	1.91E-02	4.06E-03	5.70E-04	2.61E-02
2611	494135.94	3861076.85	0.48907	0.64555	0.6535	0.18345	1.98E-03	1.93E-02	4.17E-03	5.79E-04	2.60E-02	1.80E-03	2.08E-08	5.56E-05	1.58E-05	1.87E-03	2.29E-03	1.93E-02	4.17E-03	5.79E-04	2.63E-02
2612	494185.94	3861076.85	0.48604	0.64173	0.6757	0.18109	1.96E-03	1.91E-02	4.31E-03	5.72E-04	2.60E-02	1.79E-03	2.07E-08	5.75E-05	1.56E-05	1.86E-03	2.27E-03	1.91E-02	4.31E-03	5.72E-04	2.63E-02
2613	490360.04	3858710.04	1.4397	1.45951	1.4177	0.26835	5.82E-03	4.35E-02	9.04E-03	8.47E-04	5.93E-02	5.29E-03	4.70E-08	1.21E-04	2.31E-05	5.44E-03	6.73E-03	4.35E-02	9.04E-03	8.47E-04	6.02E-02
2614	490410.04	3858710.04	1.44152	1.39188	1.4203	0.26965	5.83E-03	4.15E-02	9.06E-03	8.51E-04	5.73E-02	5.30E-03	4.49E-08	1.21E-04	2.32E-05	5.44E-03	6.74E-03	4.15E-02	9.06E-03	8.51E-04	5.82E-02
2615	490460.04	3858710.04	1.47705	1.30465	1.4292	0.27229	5.97E-03	3.89E-02	9.12E-03	8.60E-04	5.49E-02	5.43E-03	4.20E-08	1.22E-04	2.34E-05	5.58E-03	6.91E-03	3.89E-02	9.12E-03	8.60E-04	5.58E-02
2616	490510.04	3858710.04	1.51248	1.25659	1.4465	0.26793	6.11E-03	3.75E-02	9.23E-03	8.46E-04	5.37E-02	5.56E-03	4.05E-08	1.23E-04	2.31E-05	5.71E-03	7.07E-03	3.75E-02	9.23E-03	8.46E-04	5.46E-02
2617	490560.04	3858710.04	1.52917	1.22578	1.4539	0.26984	6.18E-03	3.66E-02	9.27E-03	8.52E-04	5.29E-02	5.62E-03	3.95E-08	1.24E-04	2.32E-05	5.77E-03	7.15E-03	3.66E-02	9.27E-03	8.52E-04	5.38E-02
2618	490610.04	3858710.04	1.53715	1.19143	1.4339	0.26927	6.21E-03	3.55E-02	9.15E-03	8.50E-04	5.18E-02	5.65E-03	3.84E-08	1.22E-04	2.32E-05	5.80E-03	7.19E-03	3.55E-02	9.15E-03	8.50E-04	5.27E-02
2619	490660.04	3858710.04	1.53594	1.1769	1.4407	0.27343	6.21E-03	3.51E-02	9.19E-03	8.63E-04	5.14E-02	5.65E-03	3.79E-08	1.23E-04	2.35E-05	5.79E-03	7.18E-03	3.51E-02	9.19E-03	8.63E-04	5.23E-02

2620	490710.04	3858710.04	1.53174	1.12878	1.4294	0.28043	6.19E-03	3.37E-02	9.12E-03	8.85E-04	4.99E-02	5.63E-03	3.64E-08	1.22E-04	2.41E-05	5.78E-03	7.16E-03	3.37E-02	9.12E-03	8.85E-04	5.08E-02
2621	490760.04	3858710.04	1.52057	1.09451	1.4097	0.28704	6.15E-03	3.27E-02	8.99E-03	9.06E-04	4.87E-02	5.59E-03	3.53E-08	1.20E-04	2.47E-05	5.74E-03	7.11E-03	3.27E-02	8.99E-03	9.06E-04	4.97E-02
2622	490810.04	3858710.04	1.50397	1.06164	1.4235	0.28719	6.08E-03	3.17E-02	9.08E-03	9.07E-04	4.77E-02	5.53E-03	3.42E-08	1.21E-04	2.47E-05	5.68E-03	7.03E-03	3.17E-02	9.08E-03	9.07E-04	4.87E-02
2623	490860.04	3858710.04	1.48308	1.01853	1.443	0.29619	5.99E-03	3.04E-02	9.20E-03	9.35E-04	4.65E-02	5.45E-03	3.28E-08	1.23E-04	2.55E-05	5.60E-03	6.94E-03	3.04E-02	9.20E-03	9.35E-04	4.75E-02
2624	490360.04	3858760.04	1.3936	1.4529	1.3528	0.26594	5.63E-03	4.33E-02	8.63E-03	8.40E-04	5.84E-02	5.12E-03	4.68E-08	1.15E-04	2.29E-05	5.26E-03	6.52E-03	4.33E-02	8.63E-03	8.40E-04	5.93E-02
2625	490410.04	3858760.04	1.40855	1.40122	1.3603	0.26886	5.69E-03	4.18E-02	8.68E-03	8.49E-04	5.70E-02	5.18E-03	4.52E-08	1.16E-04	2.32E-05	5.32E-03	6.59E-03	4.18E-02	8.68E-03	8.49E-04	5.79E-02
2626	490460.04	3858760.04	1.41753	1.34373	1.394	0.271	5.73E-03	4.01E-02	8.89E-03	8.56E-04	5.56E-02	5.21E-03	4.33E-08	1.19E-04	2.33E-05	5.35E-03	6.63E-03	4.01E-02	8.89E-03	8.56E-04	5.65E-02
2627	490510.04	3858760.04	1.41975	1.28458	1.4265	0.27379	5.74E-03	3.83E-02	9.10E-03	8.64E-04	5.40E-02	5.22E-03	4.14E-08	1.21E-04	2.36E-05	5.36E-03	6.64E-03	3.83E-02	9.10E-03	8.64E-04	5.49E-02
2628	490560.04	3858760.04	1.44408	1.24169	1.4376	0.2729	5.84E-03	3.70E-02	9.17E-03	8.62E-04	5.29E-02	5.31E-03	4.00E-08	1.22E-04	2.35E-05	5.45E-03	6.75E-03	3.70E-02	9.17E-03	8.62E-04	5.38E-02
2629	490610.04	3858760.04	1.47824	1.19432	1.4267	0.27902	5.98E-03	3.56E-02	9.10E-03	8.81E-04	5.16E-02	5.43E-03	3.85E-08	1.21E-04	2.40E-05	5.58E-03	6.91E-03	3.56E-02	9.10E-03	8.81E-04	5.25E-02
2630	490660.04	3858760.04	1.50252	1.15284	1.4102	0.28155	6.07E-03	3.44E-02	9.00E-03	8.89E-04	5.04E-02	5.52E-03	3.72E-08	1.20E-04	2.42E-05	5.67E-03	7.03E-03	3.44E-02	9.00E-03	8.89E-04	5.13E-02
2631	490710.04	3858760.04	1.50349	1.11748	1.4257	0.28404	6.08E-03	3.33E-02	9.09E-03	8.97E-04	4.94E-02	5.53E-03	3.60E-08	1.21E-04	2.45E-05	5.67E-03	7.03E-03	3.33E-02	9.09E-03	8.97E-04	5.04E-02
2632	490760.04	3858760.04	1.51171	1.07792	1.4153	0.29589	6.11E-03	3.22E-02	9.03E-03	9.34E-04	4.82E-02	5.56E-03	3.47E-08	1.20E-04	2.55E-05	5.70E-03	7.07E-03	3.22E-02	9.03E-03	9.34E-04	4.92E-02
2633	490810.04	3858760.04	1.50631	1.0418	1.3876	0.30571	6.09E-03	3.11E-02	8.85E-03	9.65E-04	4.70E-02	5.54E-03	3.36E-08	1.18E-04	2.63E-05	5.68E-03	7.04E-03	3.11E-02	8.85E-03	9.65E-04	4.79E-02
2634	490860.04	3858760.04	1.49468	1.01132	1.3887	0.32231	6.04E-03	3.02E-02	8.86E-03	1.02E-03	4.61E-02	5.50E-03	3.26E-08	1.18E-04	2.78E-05	5.64E-03	6.99E-03	3.02E-02	8.86E-03	1.02E-03	4.70E-02
2635	490360.04	3858810.04	1.32769	1.47699	1.3811	0.27345	5.37E-03	4.41E-02	8.81E-03	8.63E-04	5.91E-02	4.88E-03	4.76E-08	1.17E-04	2.35E-05	5.02E-03	6.21E-03	4.41E-02	8.81E-03	8.63E-04	5.99E-02
2636	490410.04	3858810.04	1.3548	1.41745	1.3802	0.27407	5.48E-03	4.23E-02	8.80E-03	8.65E-04	5.74E-02	4.98E-03	4.57E-08	1.17E-04	2.36E-05	5.12E-03	6.34E-03	4.23E-02	8.80E-03	8.65E-04	5.83E-02
2637	490460.04	3858810.04	1.37526	1.3561	1.3818	0.26093	5.56E-03	4.05E-02	8.81E-03	8.24E-04	5.57E-02	5.06E-03	4.37E-08	1.18E-04	2.25E-05	5.20E-03	6.43E-03	4.05E-02	8.81E-03	8.24E-04	5.65E-02
2638	490510.04	3858810.04	1.38695	1.31163	1.3795	0.26815	5.61E-03	3.91E-02	8.80E-03	8.47E-04	5.44E-02	5.10E-03	4.23E-08	1.17E-04	2.31E-05	5.24E-03	6.49E-03	3.91E-02	8.80E-03	8.47E-04	5.53E-02
2639	490560.04	3858810.04	1.38187	1.26315	1.3684	0.28184	5.59E-03	3.77E-02	8.73E-03	8.90E-04	5.29E-02	5.08E-03	4.07E-08	1.16E-04	2.43E-05	5.22E-03	6.46E-03	3.77E-02	8.73E-03	8.90E-04	5.38E-02
2640	490610.04	3858810.04	1.39369	1.19792	1.3636	0.28826	5.63E-03	3.57E-02	8.70E-03	9.10E-04	5.10E-02	5.12E-03	3.86E-08	1.16E-04	2.48E-05	5.26E-03	6.52E-03	3.57E-02	8.70E-03	9.10E-04	5.19E-02
2641	490660.04	3858810.04	1.41136	1.15427	1.3668	0.29255	5.71E-03	3.44E-02	8.72E-03	9.24E-04	4.98E-02	5.19E-03	3.72E-08	1.16E-04	2.52E-05	5.33E-03	6.60E-03	3.44E-02	8.72E-03	9.24E-04	5.07E-02
2642	490710.04	3858810.04	1.44389	1.11342	1.3639	0.3	5.84E-03	3.32E-02	8.70E-03	9.47E-04	4.87E-02	5.31E-03	3.59E-08	1.16E-04	2.58E-05	5.45E-03	6.75E-03	3.32E-02	8.70E-03	9.47E-04	4.96E-02
2643	490760.04	3858810.04	1.47191	1.06029	1.3555	0.31085	5.95E-03	3.16E-02	8.65E-03	9.81E-04	4.72E-02	5.41E-03	3.42E-08	1.15E-04	2.68E-05	5.55E-03	6.88E-03	3.16E-02	8.65E-03	9.81E-04	4.81E-02
2644	490810.04	3858810.04	1.46577	1.03963	1.3421	0.30875	5.92E-03	3.10E-02	8.56E-03	9.75E-04	4.65E-02	5.39E-03	3.35E-08	1.14E-04	2.66E-05	5.53E-03	6.85E-03	3.10E-02	8.56E-03	9.75E-04	4.74E-02
2645	490860.04	3858810.04	1.48264	0.99176	1.3565	0.31047	5.99E-03	2.96E-02	8.65E-03	9.80E-04	4.52E-02	5.45E-03	3.20E-08	1.15E-04	2.67E-05	5.59E-03	6.93E-03	2.96E-02	8.65E-03	9.80E-04	4.62E-02
2646	490360.04	3858860.04	1.28104	1.46979	1.3444	0.27738	5.18E-03	4.38E-02	8.57E-03	8.76E-04	5.85E-02	4.71E-03	4.74E-08	1.14E-04	2.39E-05	4.85E-03	5.99E-03	4.38E-02	8.57E-03	8.76E-04	5.93E-02
2647	490410.04	3858860.04	1.29529	1.43471	1.3891	0.26478	5.24E-03	4.28E-02	8.86E-03	8.36E-04	5.77E-02	4.76E-03	4.62E-08	1.18E-04	2.28E-05	4.90E-03	6.06E-03	4.28E-02	8.86E-03	8.36E-04	5.86E-02
2648	490460.04	3858860.04	1.31034	1.36924	1.401	0.27646	5.30E-03	4.08E-02	8.94E-03	8.73E-04	5.60E-02	4.82E-03	4.41E-08	1.19E-04	2.38E-05	4.96E-03	6.13E-03	4.08E-02	8.94E-03	8.73E-04	5.68E-02
2649	490510.04	3858860.04	1.33188	1.34013	1.4101	0.28134	5.38E-03	4.00E-02	8.99E-03	8.88E-04	5.52E-02	4.90E-03	4.32E-08	1.20E-04	2.42E-05	5.04E-03	6.23E-03	4.00E-02	8.99E-03	8.88E-04	5.61E-02
2650	490560.04	3858860.04	1.35043	1.28795	1.4083	0.29602	5.46E-03	3.84E-02	8.98E-03	9.35E-04	5.38E-02	4.96E-03	4.15E-08	1.20E-04	2.55E-05	5.11E-03	6.32E-03	3.84E-02	8.98E-03	9.35E-04	5.47E-02
2651	490610.04	3858860.04	1.36388	1.20178	1.3991	0.29702	5.51E-03	3.59E-02	8.92E-03	9.38E-04	5.12E-02	5.01E-03	3.87E-08	1.19E-04	2.56E-05	5.16E-03	6.38E-03	3.59E-02	8.92E-03	9.38E-04	5.21E-02
2652	490660.04	3858860.04	1.34601	1.15303	1.3833	0.30589	5.44E-03	3.44E-02	8.82E-03	9.66E-04	4.96E-02	4.95E-03	3.72E-08	1.18E-04	2.63E-05	5.09E-03	6.29E-03	3.44E-02	8.82E-03	9.66E-04	5.05E-02
2653	490710.04	3858860.04	1.36626	1.12698	1.3731	0.30752	5.52E-03	3.36E-02	8.76E-03	9.71E-04	4.89E-02	5.02E-03	3.63E-08	1.17E-04	2.65E-05	5.17E-03	6.39E-03	3.36E-02	8.76E-03	9.71E-04	4.97E-02
2654	490760.04	3858860.04	1.37821	1.07135	1.4328	0.30966	5.57E-03	3.20E-02	9.14E-03	9.78E-04	4.76E-02	5.07E-03	3.45E-08	1.22E-04	2.67E-05	5.22E-03	6.45E-03	3.20E-02	9.14E-03	9.78E-04	4.85E-02
2655	490810.04	3858860.04	1.40901	1.0264	1.4074	0.31135	5.70E-03	3.06E-02	8.98E-03	9.83E-04	4.63E-02	5.18E-03	3.31E-08	1.20E-04	2.68E-05	5.33E-03	6.59E-03	3.06E-02	8.98E-03	9.83E-04	4.72E-02
2656	490860.04	3858860.04	1.43387	0.99606	1.3743	0.31284	5.80E-03	2.97E-02	8.77E-03	9.88E-04	4.53E-02	5.27E-03	3.21E-08	1.17E-04	2.69E-05	5.42E-03	6.71E-03	2.97E-02	8.77E-03	9.88E-04	4.62E-02
2657	490360.04	3858910.04	1.20791	1.51532	1.2386	0.26998	4.88E-03	4.52E-02	7.90E-03	8.52E-04	5.88E-02	4.44E-03	4.88E-08	1.05E-04	2.32E-05	4.57E-03	5.65E-03	4.52E-02	7.90E-03	8.52E-04	5.96E-02
2658	490410.04	3858910.04	1.23537	1.45925	1.2968	0.27465	4.99E-03	4.35E-02	8.27E-03	8.67E-04	5.77E-02	4.54E-03	4.70E-08	1.10E-04	2.37E-05	4.68E-03	5.78E-03	4.35E-02	8.27E-03	8.67E-04	5.85E-02
2659	490460.04	3858910.04	1.25739	1.39897	1.3252	0.28224	5.08E-03	4.17E-02	8.45E-03	8.91E-04	5.62E-02	4.62E-03	4.51E-08	1.13E-04	2.43E-05	4.76E-03	5.88E-03	4.17E-02	8.45E-03	8.91E-04	5.70E-02
2660	490510.04	3858910.04	1.27332	1.33545	1.3683	0.29587	5.15E-03	3.98E-02	8.73E-03	9.34E-04	5.46E-02	4.68E-03	4.30E-08	1.16E-04	2.55E-05	4.82E-03	5.95E-03	3.98E-02	8.73E-03	9.34E-04	5.55E-02
2661	490560.04	3858910.04	1.28857	1.26838	1.4021	0.30718	5.21E-03	3.78E-02	8.94E-03	9.70E-04	5.30E-02	4.74E-03	4.09E-08	1.19E-04	2.65E-05	4.88E-03	6.03E-03	3.78E-02	8.94E-03	9.70E-04	5.38E-02
2662	490610.04	3858910.04	1.31168	1.21075	1.396	0.31607	5.30E-03	3.61E-02	8.90E-03	9.98E-04	5.13E-02	4.82E-03	3.90E-08	1.19E-04	2.72E-05	4.97E-03	6.13E-03	3.61E-02	8.90E-03	9.98E-04	5.22E-02
2663	490660.04	3858910.04	1.32745	1.16608	1.3386	0.3173	5.37E-03	3.48E-02	8.54E-03	1.00E-03	4.97E-02	4.88E-03	3.76E-08	1.14E-04	2.73E-05	5.02E-03	6.21E-03	3.48E-02	8.54E-03	1.00E-03	5.05E-02
2664	490710.04	3858910.04	1.33736	1.11548	1.3364	0.31853	5.41E-03	3.33E-02	8.52E-03	1.01E-03	4.82E-02	4.92E-03	3.60E-08	1.14E-04	2.74E-05	5.06E-03	6.25E-03	3.33E-02	8.52E-03	1.01E-03	4.91E-02
2665	490760.04	3858910.04	1.31981	1.07257	1.3277	0.31988	5.33E-03	3.20E-02	8.47E-03	1.01E-03	4.68E-02	4.85E-03	3.46E-08	1.13E-04	2.75E-05	4.99E-03	6.17E-03	3.20E-02	8.47E-03	1.01E-03	4.76E-02
2666	490810.04	3858910.04	1.33811	1.04736	1.3667	0.32029	5.41E-03	3.12E-02	8.72E-03	1.01E-03	4.64E-02	4.92E-03	3.38E-08	1.16E-04	2.76E-05	5.06E-03	6.26E-03	3.12E-02	8.72E-03	1.01E-03	4.72E-02
2667	490860.04	3858910.04	1.34308	1.01076	1.4436	0.32169	5.43E-03	3.02E-02	9.21E-03	1.02E-03	4.58E-02	4.94E-03	3.26E-08	1.23E-04	2.77E-05	5.09E-03	6.28E-03	3.02E-02	9.21E-03	1.02E-03	4.67E-02
2668	490360.04	3858960.04	1.12416	1.5811	1.2768	0.28086	4.54E-03	4.72E-02	8.14E-03	8.87E-04	6.07E-02	4.13E-03	5.10E-08	1.09E-04	2.42E-05	4.27E-03	5.26E-03	4.72E-02	8.14E-03	8.87E-04	6.15E-02
2669	490410.04	3858960.04	1.16024	1.50887	1.3204	0.28507	4.69E-03	4.50E-02	8.42E-03	9.00E-04	5.90E-02	4.27E-03	4.86E-08	1.12E-04	2.45E-05	4.40E-03	5.43E-03	4.50E-02	8.42E-03	9.00E-04	5.98E-02
2670	490460.04	3858960.04	1.19237	1.43116	1.2552	0.29807	4.82E-03	4.27E-02	8.01E-03	9.41E-04	5.65E-02	4.38E-03	4.61E-08	1.07E-04	2.57E-05	4.52E-03	5.58E-03	4.27E-02	8.01E-03	9.41E-04	5.72E-02
2671	490510.04	3858960.04	1.21845	1.36383	1.2843	0.30999	4.93E-03	4.07E-02	8.19E-03	9.79E-04	5.48E-02	4.48E-03	4.40E-08	1.09E-04	2.67E-05	4.62E-03	5.70E-03	4.07E-02	8.19E-03	9.79E-04	5.56E-02
2672	490560.04	3858960.04	1.23825	1.29914	1.3027	0.31305	5.01E-03	3.88E-02	8.31E-03	9.88E-04	5.31E-02	4.55E-03	4.19E-08	1.11E-04	2.70E-05	4.69E-03	5.79E-03	3.88E-02	8.31E-03	9.88E-04	5.38E-02
2673	490610.04	3858960.04	1.25257	1.21739	1.3505	0.32372	5.06E-03	3.63E-02	8.61E-03	1.02E-03	5.10E-02	4.61E-03	3.92E-08	1.15E-04	2.79E-05	4.75E-03	5.86E-03	3.63E-02	8.61E-03	1.02E-03	5.18E-02
2674	490660.04	3858960.04	1.26595	1.18305	1.3206	0.32079	5.12E-03	3.53E-02	8.42E-03	1.01E-03	4.98E-02	4.65E-03	3.81E-08	1.12E-04	2.76E-05	4.79E-03	5.92E-03	3.53E-02	8.42E-03	1.01E-03	5.07E-02
2675	490710.04	3858960.04	1.28682	1.13054	1.3528	0.32587	5.20E-03	3.37E-02	8.63E-03	1.03E-03	4.86E-02	4.73E-03	3.64E-08	1.15E-04	2.81E-05	4.87E-03	6.02E-03	3.37E-02	8.63E-03	1.03E-03	4.94E-02
2676	490760.04	3858960.04	1.30079	1.09495	1.3761	0.326	5.26E-03	3.27E-02	8.78E-03	1.03E-03	4.77E-02	4.78E-03	3.53E-08	1.17E-04	2.81E-05	4.93E-03	6.08E-03	3.27E-02	8.78E-03	1.03E-03	4.86E-02
2677	490810.04	3858960.04	1.30809	1.05947	1.3595	0.34332	5.29E-03	3.16E-02	8.67E-03	1.08E-03	4.67E-02	4.81E-03	3.41E-08	1.16E-04	2.96E-05	4.95E-03	6.12E-03	3.16E-02	8.67E-03	1.08E-03	4.75E-02
2678	490860.04	3858960.04	1.28916	1.01825	1.3673	0.33917	5.21E-03	3.04E-02	8.72E-03	1.07E-03	4.54E-02	4.74E-03	3.28E-08	1.16E-04	2.92E-05	4.89E-03	6.03E-03	3.04E-02	8.72E-03	1.07E-03	4.62E-02
2679	490360.04	3859010.04	1.13098	1.62867	1.4066	0.28941	4.57E-03	4.86E-02	8.97E-03	9.14E-04	6.30E-02	4.16E-03	5.25E-08	1.20E-04	2.49E-05	4.30E-03	5.29E-03	4.86E-02	8.97E-03	9.14E-04	6.38E-02
2680	490410.04	3859010.04	1.10199	1.55329	1.2988	0.2998	4.45E-03	4.63E-02	8.28E-03	9.47E-04	6.00E-02	4.05E-03	5.01E-08	1.10E-04	2.58E-05	4.19E-03	5.15E-03	4.63E-02	8.28E-03	9.47E-04	6.07E-02

2681	490460.04	3859010.04	1.11185	1.45082	1.2798	0.31741	4.49E-03	4.33E-02	8.16E-03	1.00E-03	5.69E-02	4.09E-03	4.68E-08	1.09E-04	2.73E-05	4.22E-03	5.20E-03	4.33E-02	8.16E-03	1.00E-03	5.76E-02
2682	490510.04	3859010.04	1.14654	1.3572	1.3728	0.31582	4.63E-03	4.05E-02	8.76E-03	9.97E-04	5.49E-02	4.22E-03	4.37E-08	1.17E-04	2.72E-05	4.36E-03	5.36E-03	4.05E-02	8.76E-03	9.97E-04	5.56E-02
2683	490560.04	3859010.04	1.17463	1.30986	1.3121	0.3147	4.75E-03	3.91E-02	8.37E-03	9.94E-04	5.32E-02	4.32E-03	4.22E-08	1.12E-04	2.71E-05	4.46E-03	5.49E-03	3.91E-02	8.37E-03	9.94E-04	5.39E-02
2684	490610.04	3859010.04	1.19881	1.22689	1.2923	0.32238	4.85E-03	3.66E-02	8.24E-03	1.02E-03	5.07E-02	4.41E-03	3.95E-08	1.10E-04	2.78E-05	4.55E-03	5.61E-03	3.66E-02	8.24E-03	1.02E-03	5.15E-02
2685	490660.04	3859010.04	1.21564	1.19453	1.3223	0.31909	4.91E-03	3.56E-02	8.43E-03	1.01E-03	5.00E-02	4.47E-03	3.85E-08	1.12E-04	2.75E-05	4.61E-03	5.69E-03	3.56E-02	8.43E-03	1.01E-03	5.08E-02
2686	490710.04	3859010.04	1.22754	1.13893	1.4071	0.32864	4.96E-03	3.40E-02	8.98E-03	1.04E-03	4.90E-02	4.51E-03	3.67E-08	1.20E-04	2.83E-05	4.66E-03	5.74E-03	3.40E-02	8.98E-03	1.04E-03	4.97E-02
2687	490760.04	3859010.04	1.24053	1.09871	1.4557	0.33521	5.01E-03	3.28E-02	9.28E-03	1.06E-03	4.81E-02	4.56E-03	3.54E-08	1.24E-04	2.89E-05	4.71E-03	5.80E-03	3.28E-02	9.28E-03	1.06E-03	4.89E-02
2688	490810.04	3859010.04	1.25785	1.05096	1.4983	0.33326	5.08E-03	3.14E-02	9.56E-03	1.05E-03	4.70E-02	4.62E-03	3.39E-08	1.27E-04	2.87E-05	4.78E-03	5.88E-03	3.14E-02	9.56E-03	1.05E-03	4.78E-02
2689	490860.04	3859010.04	1.2695	0.99548	1.4361	0.32869	5.13E-03	2.97E-02	9.16E-03	1.04E-03	4.50E-02	4.67E-03	3.21E-08	1.22E-04	2.83E-05	4.82E-03	5.94E-03	2.97E-02	9.16E-03	1.04E-03	4.58E-02
2690	490360.04	3859060.04	1.08362	1.6232	1.3897	0.29909	4.38E-03	4.84E-02	8.86E-03	9.44E-04	6.26E-02	3.98E-03	5.23E-08	1.18E-04	2.58E-05	4.13E-03	5.07E-03	4.84E-02	8.86E-03	9.44E-04	6.33E-02
2691	490410.04	3859060.04	1.09279	1.52266	1.4121	0.30873	4.42E-03	4.54E-02	9.01E-03	9.75E-04	5.98E-02	4.02E-03	4.91E-08	1.20E-04	2.66E-05	4.16E-03	5.11E-03	4.54E-02	9.01E-03	9.75E-04	6.05E-02
2692	490460.04	3859060.04	1.10343	1.44723	1.378	0.31574	4.46E-03	4.32E-02	8.79E-03	9.97E-04	5.74E-02	4.06E-03	4.66E-08	1.17E-04	2.72E-05	4.20E-03	5.16E-03	4.32E-02	8.79E-03	9.97E-04	5.81E-02
2693	490510.04	3859060.04	1.07361	1.37922	1.3006	0.31762	4.34E-03	4.11E-02	8.30E-03	1.00E-03	5.48E-02	3.95E-03	4.45E-08	1.11E-04	2.74E-05	4.09E-03	5.02E-03	4.11E-02	8.30E-03	1.00E-03	5.55E-02
2694	490560.04	3859060.04	1.09627	1.28829	1.3698	0.31968	4.43E-03	3.84E-02	8.74E-03	1.01E-03	5.26E-02	4.03E-03	4.15E-08	1.16E-04	2.75E-05	4.17E-03	5.13E-03	3.84E-02	8.74E-03	1.01E-03	5.33E-02
2695	490610.04	3859060.04	1.12744	1.2336	1.3885	0.31666	4.56E-03	3.68E-02	8.86E-03	1.00E-03	5.12E-02	4.15E-03	3.98E-08	1.18E-04	2.73E-05	4.29E-03	5.27E-03	3.68E-02	8.86E-03	1.00E-03	5.19E-02
2696	490660.04	3859060.04	1.15382	1.18496	1.3781	0.32314	4.66E-03	3.54E-02	8.79E-03	1.02E-03	4.98E-02	4.24E-03	3.82E-08	1.17E-04	2.78E-05	4.39E-03	5.40E-03	3.54E-02	8.79E-03	1.02E-03	5.06E-02
2697	490710.04	3859060.04	1.17497	1.13057	1.3289	0.33073	4.75E-03	3.37E-02	8.48E-03	1.04E-03	4.80E-02	4.32E-03	3.64E-08	1.13E-04	2.85E-05	4.46E-03	5.49E-03	3.37E-02	8.48E-03	1.04E-03	4.87E-02
2698	490760.04	3859060.04	1.19003	1.06722	1.3624	0.33127	4.81E-03	3.18E-02	8.69E-03	1.05E-03	4.64E-02	4.38E-03	3.44E-08	1.16E-04	2.85E-05	4.52E-03	5.57E-03	3.18E-02	8.69E-03	1.05E-03	4.71E-02
2699	490810.04	3859060.04	1.19897	1	1.4838	0.33224	4.85E-03	2.98E-02	9.46E-03	1.05E-03	4.52E-02	4.41E-03	3.22E-08	1.26E-04	2.86E-05	4.56E-03	5.61E-03	2.98E-02	9.46E-03	1.05E-03	4.60E-02
2700	490860.04	3859060.04	1.2461	0.9428	1.594	0.33564	5.04E-03	2.81E-02	1.02E-02	1.06E-03	4.44E-02	4.58E-03	3.04E-08	1.36E-04	2.89E-05	4.75E-03	5.83E-03	2.81E-02	1.02E-02	1.06E-03	4.52E-02
2701	490360.04	3859110.04	1.03234	1.64016	1.3073	0.31078	4.17E-03	4.89E-02	8.34E-03	9.81E-04	6.24E-02	3.80E-03	5.29E-08	1.11E-04	2.68E-05	3.93E-03	4.83E-03	4.89E-02	8.34E-03	9.81E-04	6.31E-02
2702	490410.04	3859110.04	1.05025	1.53562	1.2909	0.31939	4.25E-03	4.58E-02	8.23E-03	1.01E-03	5.93E-02	3.86E-03	4.95E-08	1.10E-04	2.75E-05	4.00E-03	4.91E-03	4.58E-02	8.23E-03	1.01E-03	6.00E-02
2703	490460.04	3859110.04	1.0537	1.46989	1.3207	0.31408	4.26E-03	4.39E-02	8.42E-03	9.92E-04	5.75E-02	3.87E-03	4.74E-08	1.12E-04	2.70E-05	4.01E-03	4.93E-03	4.39E-02	8.42E-03	9.92E-04	5.82E-02
2704	490510.04	3859110.04	1.07295	1.34902	1.3398	0.31591	4.34E-03	4.02E-02	8.55E-03	9.97E-04	5.41E-02	3.94E-03	4.35E-08	1.14E-04	2.72E-05	4.09E-03	5.02E-03	4.02E-02	8.55E-03	9.97E-04	5.48E-02
2705	490560.04	3859110.04	1.07203	1.27903	1.3498	0.32099	4.33E-03	3.82E-02	8.61E-03	1.01E-03	5.21E-02	3.94E-03	4.12E-08	1.15E-04	2.76E-05	4.08E-03	5.01E-03	3.82E-02	8.61E-03	1.01E-03	5.28E-02
2706	490610.04	3859110.04	1.05321	1.20257	1.3499	0.32916	4.26E-03	3.59E-02	8.61E-03	1.04E-03	4.98E-02	3.87E-03	3.88E-08	1.15E-04	2.83E-05	4.02E-03	4.93E-03	3.59E-02	8.61E-03	1.04E-03	5.05E-02
2707	490660.04	3859110.04	1.07645	1.1311	1.4073	0.33436	4.35E-03	3.37E-02	8.98E-03	1.06E-03	4.81E-02	3.96E-03	3.65E-08	1.20E-04	2.88E-05	4.11E-03	5.03E-03	3.37E-02	8.98E-03	1.06E-03	4.88E-02
2708	490710.04	3859110.04	1.10523	1.08774	1.5155	0.33575	4.47E-03	3.25E-02	9.67E-03	1.06E-03	4.76E-02	4.06E-03	3.51E-08	1.29E-04	2.89E-05	4.22E-03	5.17E-03	3.25E-02	9.67E-03	1.06E-03	4.83E-02
2709	490760.04	3859110.04	1.12935	1.03216	1.4751	0.34336	4.57E-03	3.08E-02	9.41E-03	1.08E-03	4.59E-02	4.15E-03	3.33E-08	1.25E-04	2.96E-05	4.31E-03	5.28E-03	3.08E-02	9.41E-03	1.08E-03	4.66E-02
2710	490810.04	3859110.04	1.12631	0.96822	1.4087	0.35767	4.55E-03	2.89E-02	8.99E-03	1.13E-03	4.36E-02	4.14E-03	3.12E-08	1.20E-04	3.08E-05	4.29E-03	5.27E-03	2.89E-02	8.99E-03	1.13E-03	4.43E-02
2711	490860.04	3859110.04	1.16082	0.88953	1.4144	0.37243	4.69E-03	2.65E-02	9.02E-03	1.18E-03	4.14E-02	4.27E-03	2.87E-08	1.20E-04	3.21E-05	4.42E-03	5.43E-03	2.65E-02	9.02E-03	1.18E-03	4.22E-02
2712	490360.04	3859160.04	1.02429	1.69146	1.1876	0.31417	4.14E-03	5.05E-02	7.57E-03	9.92E-04	6.32E-02	3.77E-03	5.45E-08	1.01E-04	2.71E-05	3.89E-03	4.79E-03	5.05E-02	7.57E-03	9.92E-04	6.38E-02
2713	490410.04	3859160.04	1.01989	1.56584	1.2785	0.32108	4.12E-03	4.67E-02	8.16E-03	1.01E-03	6.00E-02	3.75E-03	5.05E-08	1.09E-04	2.76E-05	3.89E-03	4.77E-03	4.67E-02	8.16E-03	1.01E-03	6.07E-02
2714	490460.04	3859160.04	1.00827	1.47629	1.2988	0.32623	4.08E-03	4.40E-02	8.28E-03	1.03E-03	5.74E-02	3.71E-03	4.76E-08	1.10E-04	2.81E-05	3.85E-03	4.72E-03	4.40E-02	8.28E-03	1.03E-03	5.81E-02
2715	490510.04	3859160.04	1.01864	1.39511	1.2355	0.33123	4.12E-03	4.16E-02	7.88E-03	1.05E-03	5.47E-02	3.75E-03	4.50E-08	1.05E-04	2.85E-05	3.88E-03	4.76E-03	4.16E-02	7.88E-03	1.05E-03	5.53E-02
2716	490560.04	3859160.04	1.02299	1.30078	1.2805	0.33302	4.14E-03	3.88E-02	8.17E-03	1.05E-03	5.22E-02	3.76E-03	4.19E-08	1.09E-04	2.87E-05	3.90E-03	4.78E-03	3.88E-02	8.17E-03	1.05E-03	5.28E-02
2717	490610.04	3859160.04	1.05449	1.22628	1.2728	0.33768	4.26E-03	3.66E-02	8.12E-03	1.07E-03	5.00E-02	3.88E-03	3.95E-08	1.08E-04	2.91E-05	4.01E-03	4.93E-03	3.66E-02	8.12E-03	1.07E-03	5.07E-02
2718	490660.04	3859160.04	1.03841	1.09016	1.3246	0.34667	4.20E-03	3.25E-02	8.45E-03	1.09E-03	4.63E-02	3.82E-03	3.51E-08	1.13E-04	2.99E-05	3.96E-03	4.86E-03	3.25E-02	8.45E-03	1.09E-03	4.69E-02
2719	490710.04	3859160.04	1.03108	1.03535	1.3313	0.34972	4.17E-03	3.09E-02	8.49E-03	1.10E-03	4.47E-02	3.79E-03	3.34E-08	1.13E-04	3.01E-05	3.93E-03	4.82E-03	3.09E-02	8.49E-03	1.10E-03	4.53E-02
2720	490760.04	3859160.04	1.07626	0.94157	1.4981	0.35875	4.35E-03	2.81E-02	9.56E-03	1.13E-03	4.31E-02	3.96E-03	3.03E-08	1.27E-04	3.09E-05	4.12E-03	5.03E-03	2.81E-02	9.56E-03	1.13E-03	4.38E-02
2721	490810.04	3859160.04	1.11852	0.88594	1.5496	0.36465	4.52E-03	2.64E-02	9.88E-03	1.15E-03	4.20E-02	4.11E-03	2.86E-08	1.32E-04	3.14E-05	4.28E-03	5.23E-03	2.64E-02	9.88E-03	1.15E-03	4.27E-02
2722	490860.04	3859160.04	1.12046	0.83016	1.483	0.38023	4.53E-03	2.48E-02	9.46E-03	1.20E-03	4.00E-02	4.12E-03	2.68E-08	1.26E-04	3.27E-05	4.28E-03	5.24E-03	2.48E-02	9.46E-03	1.20E-03	4.07E-02
2723	490360.04	3859210.04	1.04704	1.75782	1.2934	0.31833	4.23E-03	5.24E-02	8.25E-03	1.01E-03	6.59E-02	3.85E-03	5.67E-08	1.10E-04	2.74E-05	3.99E-03	4.90E-03	5.24E-02	8.25E-03	1.01E-03	6.66E-02
2724	490410.04	3859210.04	0.9994	1.67105	1.2359	0.32009	4.04E-03	4.99E-02	7.88E-03	1.01E-03	6.28E-02	3.67E-03	5.39E-08	1.05E-04	2.76E-05	3.81E-03	4.67E-03	4.99E-02	7.88E-03	1.01E-03	6.34E-02
2725	490460.04	3859210.04	0.99359	1.49981	1.2493	0.33014	4.02E-03	4.47E-02	7.97E-03	1.04E-03	5.78E-02	3.65E-03	4.83E-08	1.06E-04	2.84E-05	3.79E-03	4.65E-03	4.47E-02	7.97E-03	1.04E-03	5.84E-02
2726	490510.04	3859210.04	0.98858	1.4141	1.2721	0.33718	4.00E-03	4.22E-02	8.11E-03	1.06E-03	5.54E-02	3.63E-03	4.56E-08	1.08E-04	2.90E-05	3.77E-03	4.62E-03	4.22E-02	8.11E-03	1.06E-03	5.60E-02
2727	490560.04	3859210.04	0.98579	1.34936	1.2831	0.33102	3.98E-03	4.03E-02	8.18E-03	1.05E-03	5.35E-02	3.62E-03	4.35E-08	1.09E-04	2.85E-05	3.76E-03	4.61E-03	4.03E-02	8.18E-03	1.05E-03	5.41E-02
2728	490610.04	3859210.04	0.98657	1.24067	1.2177	0.33839	3.99E-03	3.70E-02	7.77E-03	1.07E-03	4.98E-02	3.63E-03	4.00E-08	1.04E-04	2.91E-05	3.76E-03	4.61E-03	3.70E-02	7.77E-03	1.07E-03	5.05E-02
2729	490660.04	3859210.04	0.98976	1.09463	1.2485	0.36147	4.00E-03	3.27E-02	7.96E-03	1.14E-03	4.58E-02	3.64E-03	3.53E-08	1.06E-04	3.11E-05	3.78E-03	4.63E-03	3.27E-02	7.96E-03	1.14E-03	4.64E-02
2730	490710.04	3859210.04	1.01135	1.03749	1.2662	0.36634	4.09E-03	3.10E-02	8.08E-03	1.16E-03	4.43E-02	3.72E-03	3.34E-08	1.08E-04	3.15E-05	3.86E-03	4.73E-03	3.10E-02	8.08E-03	1.16E-03	4.49E-02
2731	490760.04	3859210.04	1.08451	0.94247	1.3	0.3834	4.38E-03	2.81E-02	8.29E-03	1.21E-03	4.20E-02	3.99E-03	3.04E-08	1.11E-04	3.30E-05	4.13E-03	5.07E-03	2.81E-02	8.29E-03	1.21E-03	4.27E-02
2732	490810.04	3859210.04	1.04053	0.92237	1.3449	0.38166	4.21E-03	2.75E-02	8.58E-03	1.21E-03	4.15E-02	3.83E-03	2.97E-08	1.14E-04	3.29E-05	3.97E-03	4.87E-03	2.75E-02	8.58E-03	1.21E-03	4.22E-02
2733	490860.04	3859210.04	1.06145	0.8995	1.4576	0.37643	4.29E-03	2.68E-02	9.30E-03	1.19E-03	4.16E-02	3.90E-03	2.90E-08	1.24E-04	3.24E-05	4.06E-03	4.96E-03	2.68E-02	9.30E-03	1.19E-03	4.23E-02
2734	490360.04	3859260.04	1.07517	1.79024	1.3689	0.32484	4.35E-03	5.34E-02	8.73E-03	1.03E-03	6.75E-02	3.95E-03	5.77E-08	1.16E-04	2.80E-05	4.10E-03	5.03E-03	5.34E-02	8.73E-03	1.03E-03	6.82E-02
2735	490410.04	3859260.04	1.01859	1.68164	1.3571	0.32825	4.12E-03	5.02E-02	8.66E-03	1.04E-03	6.40E-02	3.74E-03	5.42E-08	1.15E-04	2.83E-05	3.89E-03	4.76E-03	5.02E-02	8.66E-03	1.04E-03	6.46E-02
2736	490460.04	3859260.04	1.0052	1.60333	1.3228	0.32365	4.06E-03	4.78E-02	8.44E-03	1.02E-03	6.14E-02	3.70E-03	5.17E-08	1.13E-04	2.79E-05	3.84E-03	4.70E-03	4.78E-02	8.44E-03	1.02E-03	6.20E-02
2737	490510.04	3859260.04	0.9668	1.52746	1.2665	0.32391	3.91E-03	4.56E-02	8.08E-03	1.02E-03	5.86E-02	3.55E-03	4.92E-08	1.08E-04	2.79E-05	3.69E-03	4.52E-03	4.56E-02	8.08E-03	1.02E-03	5.92E-02
2738	490560.04	3859260.04	0.95976	1.42005	1.2077	0.32448	3.88E-03	4.24E-02	7.70E-03	1.02E-03	5.50E-02	3.53E-03	4.58E-08	1.03E-04	2.79E-05	3.66E-03	4.49E-03	4.24E-02	7.70E-03	1.02E-03	5.56E-02
2739	490610.04	3859260.04	0.95569	1.2932	1.2874	0.33805	3.86E-03	3.86E-02	8.21E-03	1.07E-03	5.17E-02	3.51E-03	4.17E-08	1.09E-04	2.91E-05	3.65E-03	4.47E-03	3.86E-02	8.21E-03	1.07E-03	5.23E-02
2740	490660.04	3859260.04	0.95313	1.25819	1.208	0.34067	3.85E-03	3.75E-02	7.71E-03	1.08E-03	5.02E-02	3.50E-03	4.06E-08	1.03E-04	2.93E-05	3.64E-03	4.46E-03	3.75E-02	7.71E-03	1.08E-03	5.08E-02
2741	490710.04	3859260.04	0.95438	1.17876	1.2102	0.34629	3.86E-03	3.52E-02	7.72E-03	1.09E-03	4.78E-02	3.51E-03	3.80E-08	1.03E-04	2.98E-05	3.64E-03	4.46E-03	3.52E-02	7.72E-03	1.09E-03	4.84E-02

2742	490760.04	3859260.04	0.97768	1.06433	1.2076	0.37477	3.95E-03	3.18E-02	7.70E-03	1.18E-03	4.46E-02	3.59E-03	3.43E-08	1.03E-04	3.23E-05	3.73E-03	4.57E-03	3.18E-02	7.70E-03	1.18E-03	4.52E-02
2743	490810.04	3859260.04	0.98246	1.03823	1.1958	0.37691	3.97E-03	3.10E-02	7.63E-03	1.19E-03	4.38E-02	3.61E-03	3.35E-08	1.02E-04	3.25E-05	3.75E-03	4.59E-03	3.10E-02	7.63E-03	1.19E-03	4.44E-02
2744	490860.04	3859260.04	0.97741	1.00728	1.2818	0.3781	3.95E-03	3.01E-02	8.18E-03	1.19E-03	4.34E-02	3.59E-03	3.25E-08	1.09E-04	3.26E-05	3.74E-03	4.57E-03	3.01E-02	8.18E-03	1.19E-03	4.40E-02
2745	490360.04	3859310.04	1.07636	1.85177	1.3487	0.3264	4.35E-03	5.52E-02	8.60E-03	1.03E-03	6.92E-02	3.96E-03	5.97E-08	1.15E-04	2.81E-05	4.10E-03	5.03E-03	5.52E-02	8.60E-03	1.03E-03	6.99E-02
2746	490410.04	3859310.04	1.05013	1.75724	1.3426	0.32663	4.24E-03	5.24E-02	8.56E-03	1.03E-03	6.63E-02	3.86E-03	5.66E-08	1.14E-04	2.81E-05	4.00E-03	4.91E-03	5.24E-02	8.56E-03	1.03E-03	6.69E-02
2747	490460.04	3859310.04	1.03572	1.67497	1.3334	0.31152	4.19E-03	5.00E-02	8.51E-03	9.84E-04	6.36E-02	3.81E-03	5.40E-08	1.13E-04	2.68E-05	3.95E-03	4.84E-03	5.00E-02	8.51E-03	9.84E-04	6.43E-02
2748	490510.04	3859310.04	1.00773	1.60813	1.3216	0.31137	4.07E-03	4.80E-02	8.43E-03	9.83E-04	6.15E-02	3.70E-03	5.18E-08	1.12E-04	2.68E-05	3.84E-03	4.71E-03	4.80E-02	8.43E-03	9.83E-04	6.21E-02
2749	490560.04	3859310.04	0.96073	1.53066	1.3075	0.31676	3.88E-03	4.57E-02	8.34E-03	1.00E-03	5.89E-02	3.53E-03	4.93E-08	1.11E-04	2.73E-05	3.67E-03	4.49E-03	4.57E-02	8.34E-03	1.00E-03	5.95E-02
2750	490610.04	3859310.04	0.93283	1.46798	1.28	0.31848	3.77E-03	4.38E-02	8.16E-03	1.01E-03	5.67E-02	3.43E-03	4.73E-08	1.09E-04	2.74E-05	3.57E-03	4.36E-03	4.38E-02	8.16E-03	1.01E-03	5.73E-02
2751	490660.04	3859310.04	0.92595	1.38108	1.2104	0.3247	3.74E-03	4.12E-02	7.72E-03	1.03E-03	5.37E-02	3.40E-03	4.45E-08	1.03E-04	2.80E-05	3.54E-03	4.33E-03	4.12E-02	7.72E-03	1.03E-03	5.43E-02
2752	490710.04	3859310.04	0.92307	1.25589	1.2545	0.33463	3.73E-03	3.75E-02	8.00E-03	1.06E-03	5.03E-02	3.39E-03	4.05E-08	1.07E-04	2.88E-05	3.53E-03	4.32E-03	3.75E-02	8.00E-03	1.06E-03	5.08E-02
2753	490760.04	3859310.04	0.92201	1.17331	1.2052	0.34776	3.73E-03	3.50E-02	7.69E-03	1.10E-03	4.75E-02	3.39E-03	3.78E-08	1.02E-04	2.99E-05	3.52E-03	4.31E-03	3.50E-02	7.69E-03	1.10E-03	4.81E-02
2754	490810.04	3859310.04	0.93648	1.1301	1.1539	0.34885	3.79E-03	3.37E-02	7.36E-03	1.10E-03	4.60E-02	3.44E-03	3.64E-08	9.81E-05	3.00E-05	3.57E-03	4.38E-03	3.37E-02	7.36E-03	1.10E-03	4.66E-02
2755	490860.04	3859310.04	0.97438	1.07385	1.138	0.35287	3.94E-03	3.20E-02	7.26E-03	1.11E-03	4.43E-02	3.58E-03	3.46E-08	9.68E-05	3.04E-05	3.71E-03	4.56E-03	3.20E-02	7.26E-03	1.11E-03	4.50E-02
2756	490360.04	3859360.04	1.04053	1.92383	1.3197	0.32164	4.21E-03	5.74E-02	8.42E-03	1.02E-03	7.10E-02	3.83E-03	6.20E-08	1.12E-04	2.77E-05	3.97E-03	4.87E-03	5.74E-02	8.42E-03	1.02E-03	7.17E-02
2757	490410.04	3859360.04	1.03117	1.8481	1.3186	0.3027	4.17E-03	5.51E-02	8.41E-03	9.56E-04	6.87E-02	3.79E-03	5.96E-08	1.12E-04	2.61E-05	3.93E-03	4.82E-03	5.51E-02	8.41E-03	9.56E-04	6.93E-02
2758	490460.04	3859360.04	1.05491	1.78346	1.3145	0.29384	4.26E-03	5.32E-02	8.38E-03	9.28E-04	6.68E-02	3.88E-03	5.75E-08	1.12E-04	2.53E-05	4.02E-03	4.93E-03	5.32E-02	8.38E-03	9.28E-04	6.75E-02
2759	490510.04	3859360.04	1.0305	1.71914	1.3078	0.29437	4.17E-03	5.13E-02	8.34E-03	9.29E-04	6.47E-02	3.79E-03	5.54E-08	1.11E-04	2.53E-05	3.93E-03	4.82E-03	5.13E-02	8.34E-03	9.29E-04	6.54E-02
2760	490560.04	3859360.04	0.97173	1.63333	1.299	0.29598	3.93E-03	4.87E-02	8.29E-03	9.35E-04	6.19E-02	3.57E-03	5.26E-08	1.10E-04	2.55E-05	3.71E-03	4.54E-03	4.87E-02	8.29E-03	9.35E-04	6.25E-02
2761	490610.04	3859360.04	0.96445	1.54866	1.2877	0.3021	3.90E-03	4.62E-02	8.21E-03	9.54E-04	5.93E-02	3.55E-03	4.99E-08	1.10E-04	2.60E-05	3.68E-03	4.51E-03	4.62E-02	8.21E-03	9.54E-04	5.99E-02
2762	490660.04	3859360.04	0.91898	1.47091	1.2741	0.30716	3.71E-03	4.39E-02	8.13E-03	9.70E-04	5.67E-02	3.38E-03	4.74E-08	1.08E-04	2.64E-05	3.51E-03	4.30E-03	4.39E-02	8.13E-03	9.70E-04	5.73E-02
2763	490710.04	3859360.04	0.90172	1.36995	1.2589	0.31765	3.64E-03	4.09E-02	8.03E-03	1.00E-03	5.35E-02	3.32E-03	4.42E-08	1.07E-04	2.74E-05	3.45E-03	4.22E-03	4.09E-02	8.03E-03	1.00E-03	5.41E-02
2764	490760.04	3859360.04	0.896	1.26997	1.242	0.32158	3.62E-03	3.79E-02	7.92E-03	1.02E-03	5.04E-02	3.29E-03	4.09E-08	1.06E-04	2.77E-05	3.43E-03	4.19E-03	3.79E-02	7.92E-03	1.02E-03	5.10E-02
2765	490810.04	3859360.04	0.89439	1.24556	1.2232	0.31971	3.62E-03	3.72E-02	7.80E-03	1.01E-03	4.96E-02	3.29E-03	4.01E-08	1.04E-04	2.75E-05	3.42E-03	4.18E-03	3.72E-02	7.80E-03	1.01E-03	5.02E-02
2766	490860.04	3859360.04	0.90208	1.19002	1.1658	0.31832	3.65E-03	3.55E-02	7.44E-03	1.01E-03	4.76E-02	3.32E-03	3.84E-08	9.92E-05	2.74E-05	3.44E-03	4.22E-03	3.55E-02	7.44E-03	1.01E-03	4.82E-02
2767	490360.04	3859410.04	1.03859	2.00858	1.2346	0.30547	4.20E-03	5.99E-02	7.88E-03	9.64E-04	7.30E-02	3.82E-03	6.47E-08	1.05E-04	2.63E-05	3.95E-03	4.86E-03	5.99E-02	7.88E-03	9.64E-04	7.36E-02
2768	490410.04	3859410.04	1.02676	1.9426	1.2868	0.30502	4.15E-03	5.80E-02	8.21E-03	9.63E-04	7.13E-02	3.77E-03	6.26E-08	1.09E-04	2.63E-05	3.91E-03	4.80E-03	5.80E-02	8.21E-03	9.63E-04	7.19E-02
2769	490460.04	3859410.04	0.99857	1.87658	1.2985	0.30541	4.04E-03	5.60E-02	8.28E-03	9.64E-04	6.93E-02	3.67E-03	6.05E-08	1.10E-04	2.63E-05	3.81E-03	4.67E-03	5.60E-02	8.28E-03	9.64E-04	6.99E-02
2770	490510.04	3859410.04	1.03155	1.80093	1.2862	0.30532	4.17E-03	5.37E-02	8.20E-03	9.64E-04	6.71E-02	3.79E-03	5.80E-08	1.09E-04	2.63E-05	3.93E-03	4.82E-03	5.37E-02	8.20E-03	9.64E-04	6.77E-02
2771	490560.04	3859410.04	0.9975	1.73786	1.2819	0.30513	4.03E-03	5.18E-02	8.18E-03	9.63E-04	6.50E-02	3.67E-03	5.60E-08	1.09E-04	2.63E-05	3.80E-03	4.66E-03	5.18E-02	8.18E-03	9.63E-04	6.57E-02
2772	490610.04	3859410.04	0.98563	1.67075	1.2751	0.30477	3.98E-03	4.98E-02	8.13E-03	9.62E-04	6.29E-02	3.62E-03	5.38E-08	1.08E-04	2.62E-05	3.76E-03	4.61E-03	4.98E-02	8.13E-03	9.62E-04	6.35E-02
2773	490660.04	3859410.04	0.94773	1.56722	1.2665	0.30587	3.83E-03	4.68E-02	8.08E-03	9.66E-04	5.96E-02	3.48E-03	5.05E-08	1.08E-04	2.63E-05	3.62E-03	4.43E-03	4.68E-02	8.08E-03	9.66E-04	6.02E-02
2774	490710.04	3859410.04	0.92235	1.48466	1.2555	0.30782	3.73E-03	4.43E-02	8.01E-03	9.72E-04	5.70E-02	3.39E-03	4.79E-08	1.07E-04	2.65E-05	3.52E-03	4.31E-03	4.43E-02	8.01E-03	9.72E-04	5.76E-02
2775	490760.04	3859410.04	0.88578	1.37106	1.2427	0.31061	3.58E-03	4.09E-02	7.93E-03	9.81E-04	5.34E-02	3.26E-03	4.42E-08	1.06E-04	2.67E-05	3.39E-03	4.14E-03	4.09E-02	7.93E-03	9.81E-04	5.40E-02
2776	490810.04	3859410.04	0.87089	1.34105	1.2277	0.31056	3.52E-03	4.00E-02	7.83E-03	9.81E-04	5.23E-02	3.20E-03	4.32E-08	1.04E-04	2.67E-05	3.33E-03	4.07E-03	4.00E-02	7.83E-03	9.81E-04	5.29E-02
2777	490860.04	3859410.04	0.88278	1.32304	1.2111	0.30941	3.57E-03	3.95E-02	7.72E-03	9.77E-04	5.17E-02	3.25E-03	4.26E-08	1.03E-04	2.66E-05	3.38E-03	4.13E-03	3.95E-02	7.72E-03	9.77E-04	5.23E-02
2778	490360.04	3859460.04	1.028	2.05357	1.2393	0.3189	4.16E-03	6.13E-02	7.90E-03	1.01E-03	7.43E-02	3.78E-03	6.62E-08	1.05E-04	2.75E-05	3.91E-03	4.81E-03	6.13E-02	7.90E-03	1.01E-03	7.50E-02
2779	490410.04	3859460.04	1.02116	1.97229	1.1829	0.31728	4.13E-03	5.88E-02	7.55E-03	1.00E-03	7.15E-02	3.75E-03	6.36E-08	1.01E-04	2.73E-05	3.88E-03	4.78E-03	5.88E-02	7.55E-03	1.00E-03	7.22E-02
2780	490460.04	3859460.04	1.00657	1.91437	1.2538	0.3158	4.07E-03	5.71E-02	8.00E-03	9.97E-04	7.02E-02	3.70E-03	6.17E-08	1.07E-04	2.72E-05	3.83E-03	4.71E-03	5.71E-02	8.00E-03	9.97E-04	7.08E-02
2781	490510.04	3859460.04	0.98662	1.85723	1.3002	0.31408	3.99E-03	5.54E-02	8.29E-03	9.92E-04	6.87E-02	3.63E-03	5.99E-08	1.11E-04	2.70E-05	3.76E-03	4.61E-03	5.54E-02	8.29E-03	9.92E-04	6.93E-02
2782	490560.04	3859460.04	0.98892	1.80277	1.2577	0.31246	4.00E-03	5.38E-02	8.02E-03	9.87E-04	6.68E-02	3.64E-03	5.81E-08	1.07E-04	2.69E-05	3.77E-03	4.62E-03	5.38E-02	8.02E-03	9.87E-04	6.74E-02
2783	490610.04	3859460.04	1.00309	1.73607	1.2557	0.31089	4.05E-03	5.18E-02	8.01E-03	9.82E-04	6.48E-02	3.69E-03	5.60E-08	1.07E-04	2.68E-05	3.82E-03	4.69E-03	5.18E-02	8.01E-03	9.82E-04	6.55E-02
2784	490660.04	3859460.04	0.98956	1.6624	1.2513	0.30942	4.00E-03	4.96E-02	7.98E-03	9.77E-04	6.26E-02	3.64E-03	5.36E-08	1.06E-04	2.66E-05	3.77E-03	4.63E-03	4.96E-02	7.98E-03	9.77E-04	6.32E-02
2785	490710.04	3859460.04	0.9287	1.60232	1.2443	0.30778	3.75E-03	4.78E-02	7.94E-03	9.72E-04	6.05E-02	3.41E-03	5.16E-08	1.06E-04	2.65E-05	3.55E-03	4.34E-03	4.78E-02	7.94E-03	9.72E-04	6.11E-02
2786	490760.04	3859460.04	0.92497	1.52986	1.2356	0.30649	3.74E-03	4.56E-02	7.88E-03	9.68E-04	5.82E-02	3.40E-03	4.93E-08	1.05E-04	2.64E-05	3.53E-03	4.33E-03	4.56E-02	7.88E-03	9.68E-04	5.88E-02
2787	490810.04	3859460.04	0.88197	1.45457	1.2248	0.3096	3.57E-03	4.34E-02	7.81E-03	9.78E-04	5.57E-02	3.24E-03	4.69E-08	1.04E-04	2.67E-05	3.37E-03	4.12E-03	4.34E-02	7.81E-03	9.78E-04	5.63E-02
2788	490860.04	3859460.04	0.85034	1.4254	1.2119	0.30932	3.44E-03	4.25E-02	7.73E-03	9.77E-04	5.47E-02	3.13E-03	4.59E-08	1.03E-04	2.66E-05	3.26E-03	3.98E-03	4.25E-02	7.73E-03	9.77E-04	5.52E-02
2789	490360.04	3859510.04	0.98635	2.05434	1.1955	0.3211	3.99E-03	6.13E-02	7.63E-03	1.01E-03	7.39E-02	3.63E-03	6.62E-08	1.02E-04	2.76E-05	3.76E-03	4.61E-03	6.13E-02	7.63E-03	1.01E-03	7.45E-02
2790	490410.04	3859510.04	1.00689	2.00659	1.203	0.31491	4.07E-03	5.99E-02	7.67E-03	9.94E-04	7.26E-02	3.70E-03	6.47E-08	1.02E-04	2.71E-05	3.83E-03	4.71E-03	5.99E-02	7.67E-03	9.94E-04	7.32E-02
2791	490460.04	3859510.04	1.00244	1.93529	1.2144	0.30833	4.05E-03	5.77E-02	7.75E-03	9.74E-04	7.05E-02	3.69E-03	6.24E-08	1.03E-04	2.66E-05	3.82E-03	4.69E-03	5.77E-02	7.75E-03	9.74E-04	7.11E-02
2792	490510.04	3859510.04	0.99078	1.88081	1.1816	0.30473	4.00E-03	5.61E-02	7.54E-03	9.62E-04	6.86E-02	3.64E-03	6.06E-08	1.00E-04	2.62E-05	3.77E-03	4.63E-03	5.61E-02	7.54E-03	9.62E-04	6.92E-02
2793	490560.04	3859510.04	0.97464	1.82504	1.2647	0.30305	3.94E-03	5.44E-02	8.07E-03	9.57E-04	6.74E-02	3.58E-03	5.88E-08	1.08E-04	2.61E-05	3.72E-03	4.56E-03	5.44E-02	8.07E-03	9.57E-04	6.80E-02
2794	490610.04	3859510.04	0.95164	1.76124	1.255	0.30139	3.85E-03	5.25E-02	8.01E-03	9.52E-04	6.53E-02	3.50E-03	5.68E-08	1.07E-04	2.60E-05	3.63E-03	4.45E-03	5.25E-02	8.01E-03	9.52E-04	6.60E-02
2795	490660.04	3859510.04	0.98564	1.69665	1.229	0.29978	3.98E-03	5.06E-02	7.84E-03	9.47E-04	6.34E-02	3.62E-03	5.47E-08	1.05E-04	2.58E-05	3.75E-03	4.61E-03	5.06E-02	7.84E-03	9.47E-04	6.40E-02
2796	490710.04	3859510.04	0.95887	1.62815	1.2266	0.29823	3.88E-03	4.86E-02	7.82E-03	9.42E-04	6.12E-02	3.53E-03	5.25E-08	1.04E-04	2.57E-05	3.66E-03	4.48E-03	4.86E-02	7.82E-03	9.42E-04	6.18E-02
2797	490760.04	3859510.04	0.94226	1.5644	1.2218	0.30286	3.81E-03	4.67E-02	7.79E-03	9.56E-04	5.92E-02	3.46E-03	5.04E-08	1.04E-04	2.61E-05	3.59E-03	4.41E-03	4.67E-02	7.79E-03	9.56E-04	5.98E-02
2798	490810.04	3859510.04	0.89922	1.51706	1.2148	0.30888	3.63E-03	4.53E-02	7.75E-03	9.75E-04	5.76E-02	3.31E-03	4.89E-08	1.03E-04	2.66E-05	3.44E-03	4.21E-03	4.53E-02	7.75E-03	9.75E-04	5.82E-02
2799	490860.04	3859510.04	0.88471	1.46281	1.206	0.31597	3.58E-03	4.36E-02	7.69E-03	9.98E-04	5.59E-02	3.25E-03	4.71E-08	1.03E-04	2.72E-05	3.38E-03	4.14E-03	4.36E-02	7.69E-03	9.98E-04	5.65E-02
2800	490360.04	3859560.04	0.93716	2.06179	1.1498	0.31401	3.79E-03	6.15E-02	7.33E-03	9.91E-04	7.36E-02	3.45E-03	6.65E-08	9.78E-05	2.70E-05	3.57E-03	4.38E-03	6.15E-02	7.33E-03	9.91E-04	7.42E-02
2801	490410.04	3859560.04	0.95251	2.01936	1.1508	0.30527	3.85E-03	6.02E-02	7.34E-03	9.64E-04	7.24E-02	3.50E-03	6.51E-08	9.79E-05	2.63E-05	3.63E-03	4.45E-03	6.02E-02	7.34E-03	9.64E-04	7.30E-02
2802	490460.04	3859560.04	0.98073	1.95047	1.1669	0.29744	3.96E-03	5.82E-02	7.44E-03	9.39E-04	7.05E-02	3.61E-03	6.29E-08	9.92E-05	2.56E-05	3.73E-03	4.59E-03	5.82E-02	7.44E-03	9.39E-04	7.12E-02

2803	490510.04	3859560.04	0.98414	1.87072	1.1809	0.29562	3.98E-03	5.58E-02	7.53E-03	9.33E-04	6.83E-02	3.62E-03	6.03E-08	1.00E-04	2.55E-05	3.74E-03	4.60E-03	5.58E-02	7.53E-03	9.33E-04	6.89E-02
2804	490560.04	3859560.04	0.97461	1.80582	1.1898	0.29411	3.94E-03	5.39E-02	7.59E-03	9.29E-04	6.63E-02	3.58E-03	5.82E-08	1.01E-04	2.53E-05	3.71E-03	4.56E-03	5.39E-02	7.59E-03	9.29E-04	6.69E-02
2805	490610.04	3859560.04	0.96038	1.74037	1.1964	0.29317	3.88E-03	5.19E-02	7.63E-03	9.26E-04	6.44E-02	3.53E-03	5.61E-08	1.02E-04	2.52E-05	3.66E-03	4.49E-03	5.19E-02	7.63E-03	9.26E-04	6.50E-02
2806	490660.04	3859560.04	0.94078	1.6897	1.2689	0.29793	3.80E-03	5.04E-02	8.09E-03	9.41E-04	6.32E-02	3.46E-03	5.45E-08	1.08E-04	2.57E-05	3.59E-03	4.40E-03	5.04E-02	8.09E-03	9.41E-04	6.38E-02
2807	490710.04	3859560.04	0.95186	1.63592	1.2108	0.30297	3.85E-03	4.88E-02	7.72E-03	9.57E-04	6.13E-02	3.50E-03	5.27E-08	1.03E-04	2.61E-05	3.63E-03	4.45E-03	4.88E-02	7.72E-03	9.57E-04	6.19E-02
2808	490760.04	3859560.04	0.95485	1.5778	1.2017	0.30528	3.86E-03	4.71E-02	7.66E-03	9.64E-04	5.96E-02	3.51E-03	5.09E-08	1.02E-04	2.63E-05	3.64E-03	4.47E-03	4.71E-02	7.66E-03	9.64E-04	6.02E-02
2809	490810.04	3859560.04	0.95128	1.53148	1.1987	0.30204	3.85E-03	4.57E-02	7.65E-03	9.54E-04	5.81E-02	3.50E-03	4.94E-08	1.02E-04	2.60E-05	3.63E-03	4.45E-03	4.57E-02	7.65E-03	9.54E-04	5.87E-02
2810	490860.04	3859560.04	0.89091	1.4832	1.1938	0.29888	3.60E-03	4.42E-02	7.61E-03	9.44E-04	5.64E-02	3.28E-03	4.78E-08	1.02E-04	2.57E-05	3.40E-03	4.17E-03	4.42E-02	7.61E-03	9.44E-04	5.70E-02
2811	490187.25	3859422.08	0.99681	2.25896	1.3003	0.32394	4.03E-03	6.74E-02	8.29E-03	1.02E-03	8.07E-02	3.66E-03	7.28E-08	1.11E-04	2.79E-05	3.80E-03	4.66E-03	6.74E-02	8.29E-03	1.02E-03	8.14E-02
2812	490237.25	3859422.08	1.03215	2.18729	1.2874	0.32413	4.17E-03	6.53E-02	8.21E-03	1.02E-03	7.87E-02	3.79E-03	7.05E-08	1.09E-04	2.79E-05	3.93E-03	4.83E-03	6.53E-02	8.21E-03	1.02E-03	7.93E-02
2813	490287.25	3859422.08	1.04657	2.12003	1.2594	0.31744	4.23E-03	6.32E-02	8.03E-03	1.00E-03	7.65E-02	3.85E-03	6.83E-08	1.07E-04	2.73E-05	3.98E-03	4.89E-03	6.32E-02	8.03E-03	1.00E-03	7.72E-02
2814	490337.25	3859422.08	1.04232	2.04867	1.2339	0.30989	4.21E-03	6.11E-02	7.87E-03	9.78E-04	7.42E-02	3.83E-03	6.60E-08	1.05E-04	2.67E-05	3.96E-03	4.87E-03	6.11E-02	7.87E-03	9.78E-04	7.48E-02
2815	490187.25	3859472.08	0.98237	2.2562	1.2355	0.32836	3.97E-03	6.73E-02	7.88E-03	1.04E-03	8.02E-02	3.61E-03	7.27E-08	1.05E-04	2.83E-05	3.75E-03	4.59E-03	6.73E-02	7.88E-03	1.04E-03	8.08E-02
2816	490237.25	3859472.08	0.97346	2.19694	1.2443	0.32071	3.93E-03	6.55E-02	7.94E-03	1.01E-03	7.84E-02	3.58E-03	7.08E-08	1.06E-04	2.76E-05	3.71E-03	4.55E-03	6.55E-02	7.94E-03	1.01E-03	7.90E-02
2817	490287.25	3859472.08	0.99147	2.13356	1.2429	0.3191	4.01E-03	6.37E-02	7.93E-03	1.01E-03	7.66E-02	3.65E-03	6.88E-08	1.06E-04	2.75E-05	3.78E-03	4.64E-03	6.37E-02	7.93E-03	1.01E-03	7.72E-02
2818	490337.25	3859472.08	1.02375	2.08242	1.225	0.3176	4.14E-03	6.21E-02	7.81E-03	1.00E-03	7.51E-02	3.76E-03	6.71E-08	1.04E-04	2.73E-05	3.90E-03	4.79E-03	6.21E-02	7.81E-03	1.00E-03	7.57E-02
2819	490297.07	3859500.42	0.96193	2.11547	1.2146	0.31699	3.89E-03	6.31E-02	7.75E-03	1.00E-03	7.57E-02	3.54E-03	6.82E-08	1.03E-04	2.73E-05	3.67E-03	4.50E-03	6.31E-02	7.75E-03	1.00E-03	7.64E-02
2820	490327.07	3859500.42	0.97773	2.09384	1.2088	0.31856	3.95E-03	6.25E-02	7.71E-03	1.01E-03	7.51E-02	3.59E-03	6.75E-08	1.03E-04	2.74E-05	3.72E-03	4.57E-03	6.25E-02	7.71E-03	1.01E-03	7.58E-02
2821	490297.07	3859530.42	0.9555	2.12017	1.1769	0.32168	3.86E-03	6.33E-02	7.51E-03	1.02E-03	7.56E-02	3.51E-03	6.83E-08	1.00E-04	2.77E-05	3.64E-03	4.47E-03	6.33E-02	7.51E-03	1.02E-03	7.62E-02
2822	490327.07	3859530.42	0.94598	2.09188	1.1803	0.32295	3.82E-03	6.24E-02	7.53E-03	1.02E-03	7.48E-02	3.48E-03	6.74E-08	1.00E-04	2.78E-05	3.61E-03	4.42E-03	6.24E-02	7.53E-03	1.02E-03	7.54E-02
2823	490319.73	3859055.34	1.07831	1.70519	1.37	0.29308	4.36E-03	5.09E-02	8.74E-03	9.25E-04	6.49E-02	3.96E-03	5.50E-08	1.17E-04	2.52E-05	4.11E-03	5.04E-03	5.09E-02	8.74E-03	9.25E-04	6.56E-02
2824	490319.73	3859105.34	1.05134	1.71694	1.3107	0.30295	4.25E-03	5.12E-02	8.36E-03	9.57E-04	6.48E-02	3.87E-03	5.53E-08	1.11E-04	2.61E-05	4.00E-03	4.92E-03	5.12E-02	8.36E-03	9.57E-04	6.55E-02
2825	490069.73	3859155.34	1.14016	2.11358	1.4326	0.30535	4.61E-03	6.31E-02	9.14E-03	9.64E-04	7.78E-02	4.19E-03	6.81E-08	1.22E-04	2.63E-05	4.34E-03	5.33E-03	6.31E-02	9.14E-03	9.64E-04	7.85E-02
2826	490119.73	3859155.34	1.12935	2.06973	1.3427	0.29862	4.57E-03	6.17E-02	8.56E-03	9.43E-04	7.58E-02	4.15E-03	6.67E-08	1.14E-04	2.57E-05	4.29E-03	5.28E-03	6.17E-02	8.56E-03	9.43E-04	7.65E-02
2827	490269.73	3859155.34	1.07217	1.90983	1.2629	0.30544	4.33E-03	5.70E-02	8.06E-03	9.64E-04	7.03E-02	3.94E-03	6.16E-08	1.07E-04	2.63E-05	4.08E-03	5.01E-03	5.70E-02	8.06E-03	9.64E-04	7.10E-02
2828	490319.73	3859155.34	1.03137	1.79233	1.2165	0.30829	4.17E-03	5.35E-02	7.76E-03	9.73E-04	6.64E-02	3.79E-03	5.78E-08	1.03E-04	2.65E-05	3.92E-03	4.82E-03	5.35E-02	7.76E-03	9.73E-04	6.70E-02
2829	490069.73	3859205.34	1.13489	2.18745	1.4065	0.31395	4.59E-03	6.53E-02	8.97E-03	9.91E-04	7.98E-02	4.17E-03	7.05E-08	1.20E-04	2.70E-05	4.32E-03	5.31E-03	6.53E-02	8.97E-03	9.91E-04	8.05E-02
2830	490119.73	3859205.34	1.12324	2.13967	1.423	0.30714	4.54E-03	6.38E-02	9.08E-03	9.70E-04	7.84E-02	4.13E-03	6.90E-08	1.21E-04	2.64E-05	4.28E-03	5.25E-03	6.38E-02	9.08E-03	9.70E-04	7.91E-02
2831	490169.73	3859205.34	1.08684	2.0861	1.3686	0.30944	4.39E-03	6.22E-02	8.73E-03	9.77E-04	7.63E-02	4.00E-03	6.72E-08	1.16E-04	2.66E-05	4.14E-03	5.08E-03	6.22E-02	8.73E-03	9.77E-04	7.70E-02
2832	490219.73	3859205.34	1.12708	2.01701	1.3112	0.31132	4.56E-03	6.02E-02	8.36E-03	9.83E-04	7.41E-02	4.14E-03	6.50E-08	1.12E-04	2.68E-05	4.28E-03	5.27E-03	6.02E-02	8.36E-03	9.83E-04	7.48E-02
2833	490269.73	3859205.34	1.09077	1.93133	1.3443	0.31306	4.41E-03	5.76E-02	8.57E-03	9.88E-04	7.16E-02	4.01E-03	6.22E-08	1.14E-04	2.70E-05	4.15E-03	5.10E-03	5.76E-02	8.57E-03	9.88E-04	7.23E-02
2834	490319.73	3859205.34	1.05381	1.84628	1.3184	0.3149	4.26E-03	5.51E-02	8.41E-03	9.94E-04	6.87E-02	3.87E-03	5.95E-08	1.12E-04	2.71E-05	4.01E-03	4.93E-03	5.51E-02	8.41E-03	9.94E-04	6.94E-02
2835	490069.73	3859255.34	1.12536	2.26755	1.3795	0.31338	4.55E-03	6.76E-02	8.80E-03	9.89E-04	8.20E-02	4.14E-03	7.31E-08	1.17E-04	2.70E-05	4.28E-03	5.26E-03	6.76E-02	8.80E-03	9.89E-04	8.27E-02
2836	490119.73	3859255.34	1.11412	2.20397	1.381	0.31564	4.50E-03	6.58E-02	8.81E-03	9.97E-04	8.01E-02	4.10E-03	7.10E-08	1.17E-04	2.72E-05	4.24E-03	5.21E-03	6.58E-02	8.81E-03	9.97E-04	8.08E-02
2837	490169.73	3859255.34	1.09742	2.14028	1.3876	0.3174	4.44E-03	6.39E-02	8.85E-03	1.00E-03	7.81E-02	4.03E-03	6.90E-08	1.18E-04	2.73E-05	4.18E-03	5.13E-03	6.39E-02	8.85E-03	1.00E-03	7.88E-02
2838	490219.73	3859255.34	1.08077	2.05271	1.3852	0.31873	4.37E-03	6.12E-02	8.84E-03	1.01E-03	7.54E-02	3.97E-03	6.62E-08	1.18E-04	2.74E-05	4.12E-03	5.05E-03	6.12E-02	8.84E-03	1.01E-03	7.61E-02
2839	490269.73	3859255.34	1.08807	1.96876	1.3417	0.3199	4.40E-03	5.87E-02	8.56E-03	1.01E-03	7.27E-02	4.00E-03	6.35E-08	1.14E-04	2.75E-05	4.14E-03	5.09E-03	5.87E-02	8.56E-03	1.01E-03	7.34E-02
2840	490319.73	3859255.34	1.08843	1.90418	1.3696	0.3209	4.40E-03	5.68E-02	8.74E-03	1.01E-03	7.10E-02	4.00E-03	6.14E-08	1.16E-04	2.76E-05	4.15E-03	5.09E-03	5.68E-02	8.74E-03	1.01E-03	7.16E-02
2841	490069.73	3859305.34	1.09182	2.34295	1.3265	0.32297	4.41E-03	6.99E-02	8.46E-03	1.02E-03	8.38E-02	4.01E-03	7.55E-08	1.13E-04	2.78E-05	4.15E-03	5.11E-03	6.99E-02	8.46E-03	1.02E-03	8.45E-02
2842	490119.73	3859305.34	1.09989	2.27893	1.3377	0.32325	4.45E-03	6.80E-02	8.53E-03	1.02E-03	8.20E-02	4.04E-03	7.35E-08	1.14E-04	2.78E-05	4.19E-03	5.14E-03	6.80E-02	8.53E-03	1.02E-03	8.27E-02
2843	490169.73	3859305.34	1.09411	2.19817	1.3467	0.32429	4.42E-03	6.56E-02	8.59E-03	1.02E-03	7.96E-02	4.02E-03	7.08E-08	1.15E-04	2.79E-05	4.17E-03	5.12E-03	6.56E-02	8.59E-03	1.02E-03	8.03E-02
2844	490219.73	3859305.34	1.08303	2.10468	1.3221	0.32495	4.38E-03	6.28E-02	8.43E-03	1.03E-03	7.66E-02	3.98E-03	6.78E-08	1.12E-04	2.80E-05	4.12E-03	5.06E-03	6.28E-02	8.43E-03	1.03E-03	7.73E-02
2845	490269.73	3859305.34	1.07223	2.02494	1.3548	0.32541	4.33E-03	6.04E-02	8.64E-03	1.03E-03	7.44E-02	3.94E-03	6.53E-08	1.15E-04	2.80E-05	4.09E-03	5.01E-03	6.04E-02	8.64E-03	1.03E-03	7.51E-02
2846	490319.73	3859305.34	1.04418	1.93772	1.3374	0.32579	4.22E-03	5.78E-02	8.53E-03	1.03E-03	7.16E-02	3.84E-03	6.25E-08	1.14E-04	2.81E-05	3.98E-03	4.88E-03	5.78E-02	8.53E-03	1.03E-03	7.23E-02
2847	490069.73	3859355.34	1.02759	2.40253	1.2755	0.32851	4.15E-03	7.17E-02	8.14E-03	1.04E-03	8.50E-02	3.78E-03	7.74E-08	1.08E-04	2.83E-05	3.91E-03	4.81E-03	7.17E-02	8.14E-03	1.04E-03	8.57E-02
2848	490119.73	3859355.34	1.03829	2.33716	1.2813	0.32764	4.20E-03	6.97E-02	8.17E-03	1.03E-03	8.31E-02	3.82E-03	7.53E-08	1.09E-04	2.82E-05	3.95E-03	4.86E-03	6.97E-02	8.17E-03	1.03E-03	8.38E-02
2849	490169.73	3859355.34	1.07471	2.25849	1.2965	0.32653	4.34E-03	6.74E-02	8.27E-03	1.03E-03	8.10E-02	3.95E-03	7.28E-08	1.10E-04	2.81E-05	4.09E-03	5.03E-03	6.74E-02	8.27E-03	1.03E-03	8.17E-02
2850	490219.73	3859355.34	1.07478	2.16801	1.3093	0.32616	4.34E-03	6.47E-02	8.35E-03	1.03E-03	7.84E-02	3.95E-03	6.99E-08	1.11E-04	2.81E-05	4.09E-03	5.03E-03	6.47E-02	8.35E-03	1.03E-03	7.91E-02
2851	490269.73	3859355.34	1.06615	2.08532	1.2721	0.32574	4.31E-03	6.22E-02	8.11E-03	1.03E-03	7.57E-02	3.92E-03	6.72E-08	1.08E-04	2.80E-05	4.06E-03	4.99E-03	6.22E-02	8.11E-03	1.03E-03	7.63E-02
2852	490319.73	3859355.34	1.05185	2.00391	1.3214	0.32583	4.25E-03	5.98E-02	8.43E-03	1.03E-03	7.35E-02	3.87E-03	6.46E-08	1.12E-04	2.81E-05	4.01E-03	4.92E-03	5.98E-02	8.43E-03	1.03E-03	7.42E-02
2853	490069.73	3859405.34	0.99632	2.427	1.24	0.33019	4.03E-03	7.24E-02	7.91E-03	1.04E-03	8.54E-02	3.66E-03	7.82E-08	1.05E-04	2.84E-05	3.80E-03	4.66E-03	7.24E-02	7.91E-03	1.04E-03	8.60E-02
2854	490119.73	3859405.34	1.00945	2.35783	1.2833	0.32999	4.08E-03	7.03E-02	8.19E-03	1.04E-03	8.36E-02	3.71E-03	7.60E-08	1.09E-04	2.84E-05	3.85E-03	4.72E-03	7.03E-02	8.19E-03	1.04E-03	8.43E-02
2855	490169.73	3859405.34	1.00522	2.28147	1.2845	0.32703	4.06E-03	6.81E-02	8.19E-03	1.03E-03	8.14E-02	3.70E-03	7.35E-08	1.09E-04	2.82E-05	3.83E-03	4.70E-03	6.81E-02	8.19E-03	1.03E-03	8.20E-02
2856	490219.73	3859405.34	1.05143	2.21196	1.2633	0.32375	4.25E-03	6.60E-02	8.06E-03	1.02E-03	7.93E-02	3.87E-03	7.13E-08	1.07E-04	2.79E-05	4.00E-03	4.92E-03	6.60E-02	8.06E-03	1.02E-03	8.00E-02
2857	490269.73	3859405.34	1.05436	2.14131	1.272	0.32395	4.26E-03	6.39E-02	8.11E-03	1.02E-03	7.73E-02	3.88E-03	6.90E-08	1.08E-04	2.79E-05	4.01E-03	4.93E-03	6.39E-02	8.11E-03	1.02E-03	7.79E-02
2858	490319.73	3859405.34	1.04935	2.05942	1.2465	0.31352	4.24E-03	6.14E-02	7.95E-03	9.90E-04	7.46E-02	3.86E-03	6.64E-08	1.06E-04	2.70E-05	3.99E-03	4.91E-03	6.14E-02	7.95E-03	9.90E-04	7.53E-02
2859	490161.89	3859541.83	0.97842	2.2401	1.1944	0.31531	3.95E-03	6.68E-02	7.62E-03	9.96E-04	7.94E-02	3.60E-03	7.22E-08	1.02E-04	2.72E-05	3.73E-03	4.58E-03	6.68E-02	7.62E-03	9.96E-04	8.00E-02
2860	490171.89	3859541.83	0.97108	2.22769	1.1668	0.316	3.93E-03	6.65E-02	7.44E-03	9.98E-04	7.88E-02	3.57E-03	7.18E-08	9.92E-05	2.72E-05	3.70E-03	4.54E-03	6.65E-02	7.44E-03	9.98E-04	7.94E-02
2861	490161.89	3859551.83	0.98362	2.23712	1.1655	0.31733	3.98E-03	6.67E-02	7.43E-03	1.00E-03	7.92E-02	3.62E-03	7.21E-08	9.91E-05	2.73E-05	3.74E-03	4.60E-03	6.67E-02	7.43E-03	1.00E-03	7.98E-02
2862	490171.89	3859551.83	0.97648	2.22533	1.1835	0.31748	3.95E-03	6.64E-02	7.55E-03	1.00E-03	7.89E-02	3.59E-03	7.17E-08	1.01E-04	2.73E-05	3.72E-03	4.57E-03	6.64E-02	7.55E-03	1.00E-03	7.95E-02
2863	489799.72	3859348.21	1.15456	2.76695	1.1153	0.33357	4.67E-03	8.25E-02	7.11E-03	1.05E-03	9.54E-02	4.24E-03	8.92E-08	9.49E-05	2.87E-05	4.37E-03	5.40E-03	8.25E-02	7.11E-03	1.05E-03	9.61E-02

2864	489819.72	3859348.21	1.13569	2.73734	1.1408	0.33328	4.59E-03	8.17E-02	7.28E-03	1.05E-03	9.46E-02	4.18E-03	8.82E-08	9.70E-05	2.87E-05	4.30E-03	5.31E-03	8.17E-02	7.28E-03	1.05E-03	9.53E-02
2865	489799.72	3859368.21	1.15083	2.75153	1.0938	0.33019	4.65E-03	8.21E-02	6.98E-03	1.04E-03	9.48E-02	4.23E-03	8.87E-08	9.30E-05	2.84E-05	4.35E-03	5.38E-03	8.21E-02	6.98E-03	1.04E-03	9.55E-02
2866	489819.72	3859368.21	1.15635	2.71625	1.108	0.33005	4.67E-03	8.10E-02	7.07E-03	1.04E-03	9.38E-02	4.25E-03	8.75E-08	9.42E-05	2.84E-05	4.37E-03	5.41E-03	8.10E-02	7.07E-03	1.04E-03	9.46E-02
2867	489775.41	3859329.72	1.16536	2.82843	1.1269	0.34574	4.71E-03	8.44E-02	7.19E-03	1.09E-03	9.74E-02	4.28E-03	9.12E-08	9.58E-05	2.98E-05	4.41E-03	5.45E-03	8.44E-02	7.19E-03	1.09E-03	9.81E-02
2868	489795.41	3859329.72	1.14508	2.7953	1.146	0.33664	4.63E-03	8.34E-02	7.31E-03	1.06E-03	9.64E-02	4.21E-03	9.01E-08	9.75E-05	2.90E-05	4.34E-03	5.36E-03	8.34E-02	7.31E-03	1.06E-03	9.71E-02
2869	489775.41	3859349.72	1.16096	2.80978	1.112	0.33357	4.69E-03	8.38E-02	7.09E-03	1.05E-03	9.67E-02	4.27E-03	9.06E-08	9.46E-05	2.87E-05	4.39E-03	5.43E-03	8.38E-02	7.09E-03	1.05E-03	9.74E-02
2870	489795.41	3859349.72	1.16795	2.77243	1.115	0.33337	4.72E-03	8.27E-02	7.11E-03	1.05E-03	9.56E-02	4.29E-03	8.94E-08	9.48E-05	2.87E-05	4.42E-03	5.46E-03	8.27E-02	7.11E-03	1.05E-03	9.63E-02
2871	489595.05	3859219.43	1.26322	2.93957	1.1825	0.36868	5.11E-03	8.77E-02	7.54E-03	1.16E-03	1.02E-01	4.64E-03	9.47E-08	1.01E-04	3.17E-05	4.78E-03	5.91E-03	8.77E-02	7.54E-03	1.16E-03	1.02E-01
2872	489615.05	3859219.43	1.2417	2.89288	1.1894	0.36429	5.02E-03	8.63E-02	7.59E-03	1.15E-03	1.00E-01	4.57E-03	9.32E-08	1.01E-04	3.14E-05	4.70E-03	5.81E-03	8.63E-02	7.59E-03	1.15E-03	1.01E-01
2873	489595.05	3859239.43	1.32624	2.97095	1.1303	0.37064	5.36E-03	8.86E-02	7.21E-03	1.17E-03	1.02E-01	4.88E-03	9.58E-08	9.61E-05	3.19E-05	5.00E-03	6.20E-03	8.86E-02	7.21E-03	1.17E-03	1.03E-01
2874	489615.05	3859239.43	1.26499	2.9233	1.1784	0.36791	5.11E-03	8.72E-02	7.52E-03	1.16E-03	1.01E-01	4.65E-03	9.42E-08	1.00E-04	3.17E-05	4.78E-03	5.92E-03	8.72E-02	7.52E-03	1.16E-03	1.02E-01
2875	489372.4	3859092.58	1.46823	3.15383	1.1931	0.35504	5.93E-03	9.41E-02	7.61E-03	1.12E-03	1.09E-01	5.40E-03	1.02E-07	1.01E-04	3.06E-05	5.53E-03	6.87E-03	9.41E-02	7.61E-03	1.12E-03	1.10E-01
2876	489422.4	3859092.58	1.42279	3.00865	1.2534	0.35702	5.75E-03	8.98E-02	7.99E-03	1.13E-03	1.05E-01	5.23E-03	9.70E-08	1.07E-04	3.07E-05	5.37E-03	6.65E-03	8.98E-02	7.99E-03	1.13E-03	1.06E-01
2877	489372.4	3859142.58	1.43962	3.3057	1.0789	0.37775	5.82E-03	9.86E-02	6.88E-03	1.19E-03	1.13E-01	5.29E-03	1.07E-07	9.18E-05	3.25E-05	5.42E-03	6.73E-03	9.86E-02	6.88E-03	1.19E-03	1.13E-01
2878	489422.4	3859142.58	1.43854	3.1472	1.1418	0.37748	5.81E-03	9.39E-02	7.28E-03	1.19E-03	1.08E-01	5.29E-03	1.01E-07	9.71E-05	3.25E-05	5.42E-03	6.73E-03	9.39E-02	7.28E-03	1.19E-03	1.09E-01
2879	488870.84	3858666.64	1.80007	2.66515	1.8313	0.38548	7.28E-03	7.95E-02	1.17E-02	1.22E-03	9.97E-02	6.62E-03	8.59E-08	1.56E-04	3.32E-05	6.81E-03	8.42E-03	7.95E-02	1.17E-02	1.22E-03	1.01E-01
2880	488900.84	3858666.64	1.71057	2.63334	1.8821	0.38087	6.91E-03	7.86E-02	1.20E-02	1.20E-03	9.87E-02	6.29E-03	8.49E-08	1.60E-04	3.28E-05	6.48E-03	8.00E-03	7.86E-02	1.20E-02	1.20E-03	9.98E-02
2881	488870.84	3858696.64	1.84214	2.79626	1.6682	0.41523	7.45E-03	8.34E-02	1.06E-02	1.31E-03	1.03E-01	6.77E-03	9.01E-08	1.42E-04	3.58E-05	6.95E-03	8.61E-03	8.34E-02	1.06E-02	1.31E-03	1.04E-01
2882	488900.84	3858696.64	1.79333	2.76985	1.7046	0.41162	7.25E-03	8.26E-02	1.09E-02	1.30E-03	1.02E-01	6.59E-03	8.93E-08	1.45E-04	3.54E-05	6.77E-03	8.39E-03	8.26E-02	1.09E-02	1.30E-03	1.03E-01
2883	488889.67	3858683.97	1.79251	2.72634	1.7493	0.40114	7.25E-03	8.13E-02	1.12E-02	1.27E-03	1.01E-01	6.59E-03	8.79E-08	1.49E-04	3.45E-05	6.77E-03	8.38E-03	8.13E-02	1.12E-02	1.27E-03	1.02E-01
2884	488919.67	3858683.97	1.70397	2.70928	1.7965	0.39536	6.89E-03	8.08E-02	1.15E-02	1.25E-03	1.00E-01	6.26E-03	8.73E-08	1.53E-04	3.40E-05	6.45E-03	7.97E-03	8.08E-02	1.15E-02	1.25E-03	1.02E-01
2885	488889.67	3858713.97	1.82544	2.8483	1.5916	0.40887	7.38E-03	8.50E-02	1.02E-02	1.29E-03	1.04E-01	6.71E-03	9.18E-08	1.35E-04	3.52E-05	6.88E-03	8.54E-03	8.50E-02	1.02E-02	1.29E-03	1.05E-01
2886	488919.67	3858713.97	1.7854	2.81979	1.6359	0.40817	7.22E-03	8.41E-02	1.04E-02	1.29E-03	1.03E-01	6.56E-03	9.09E-08	1.39E-04	3.51E-05	6.74E-03	8.35E-03	8.41E-02	1.04E-02	1.29E-03	1.04E-01
2887	488906.61	3858703.33	1.79409	2.79243	1.682	0.41502	7.25E-03	8.33E-02	1.07E-02	1.31E-03	1.03E-01	6.60E-03	9.00E-08	1.43E-04	3.57E-05	6.77E-03	8.39E-03	8.33E-02	1.07E-02	1.31E-03	1.04E-01
2888	488936.61	3858703.33	1.70995	2.74871	1.707	0.41	6.91E-03	8.20E-02	1.09E-02	1.29E-03	1.01E-01	6.29E-03	8.86E-08	1.45E-04	3.53E-05	6.47E-03	8.00E-03	8.20E-02	1.09E-02	1.29E-03	1.02E-01
2889	488906.61	3858733.33	1.812	2.89596	1.5043	0.3994	7.32E-03	8.64E-02	9.59E-03	1.26E-03	1.05E-01	6.66E-03	9.33E-08	1.28E-04	3.44E-05	6.82E-03	8.47E-03	8.64E-02	9.59E-03	1.26E-03	1.06E-01
2890	488936.61	3858733.33	1.78536	2.86155	1.5539	0.39556	7.22E-03	8.54E-02	9.91E-03	1.25E-03	1.04E-01	6.56E-03	9.22E-08	1.32E-04	3.41E-05	6.73E-03	8.35E-03	8.54E-02	9.91E-03	1.25E-03	1.05E-01
2891	488637.63	3858467.85	1.96273	2.1607	3.3508	0.35976	7.93E-03	6.45E-02	2.14E-02	1.14E-03	9.49E-02	7.22E-03	6.96E-08	2.85E-04	3.10E-05	7.53E-03	9.18E-03	6.45E-02	2.14E-02	1.14E-03	9.61E-02
2892	488662.63	3858467.85	1.93529	2.13672	3.4732	0.36895	7.82E-03	6.37E-02	2.22E-02	1.16E-03	9.49E-02	7.12E-03	6.89E-08	2.95E-04	3.18E-05	7.44E-03	9.05E-03	6.37E-02	2.22E-02	1.16E-03	9.61E-02
2893	488637.63	3858492.85	2.02059	2.20314	3.1068	0.37816	8.17E-03	6.57E-02	1.98E-02	1.19E-03	9.49E-02	7.43E-03	7.10E-08	2.64E-04	3.26E-05	7.73E-03	9.45E-03	6.57E-02	1.98E-02	1.19E-03	9.62E-02
2894	488662.63	3858492.85	1.94235	2.17941	3.1027	0.37898	7.85E-03	6.50E-02	1.98E-02	1.20E-03	9.39E-02	7.14E-03	7.02E-08	2.64E-04	3.26E-05	7.44E-03	9.08E-03	6.50E-02	1.98E-02	1.20E-03	9.51E-02
2895	488687.63	3858492.85	1.90548	2.15996	3.1113	0.38042	7.70E-03	6.44E-02	1.98E-02	1.20E-03	9.32E-02	7.01E-03	6.96E-08	2.65E-04	3.28E-05	7.30E-03	8.91E-03	6.44E-02	1.98E-02	1.20E-03	9.44E-02
2896	488637.63	3858517.85	2.0657	2.26626	2.6954	0.36519	8.35E-03	6.76E-02	1.72E-02	1.15E-03	9.43E-02	7.59E-03	7.30E-08	2.29E-04	3.14E-05	7.86E-03	9.66E-03	6.76E-02	1.72E-02	1.15E-03	9.56E-02
2897	488662.63	3858517.85	2.00871	2.24731	2.8322	0.38204	8.12E-03	6.70E-02	1.81E-02	1.21E-03	9.44E-02	7.39E-03	7.24E-08	2.41E-04	3.29E-05	7.66E-03	9.39E-03	6.70E-02	1.81E-02	1.21E-03	9.57E-02
2898	488687.63	3858517.85	1.93428	2.22632	2.8667	0.38416	7.82E-03	6.64E-02	1.83E-02	1.21E-03	9.37E-02	7.11E-03	7.18E-08	2.44E-04	3.31E-05	7.39E-03	9.05E-03	6.64E-02	1.83E-02	1.21E-03	9.50E-02
2899	488194.42	3857168.98	4.18788	0.99817	1.4052	0.28234	1.69E-02	2.98E-02	8.96E-03	8.91E-04	5.66E-02	1.54E-02	3.22E-08	1.20E-04	2.43E-05	1.55E-02	1.96E-02	2.98E-02	8.96E-03	8.91E-04	5.92E-02
2900	488244.42	3857168.98	4.03917	1.01557	1.3117	0.28889	1.63E-02	3.03E-02	8.37E-03	9.12E-04	5.59E-02	1.49E-02	3.27E-08	1.12E-04	2.49E-05	1.50E-02	1.89E-02	3.03E-02	8.37E-03	9.12E-04	5.85E-02
2901	488294.42	3857168.98	3.91224	1.01163	1.3462	0.28889	1.58E-02	3.02E-02	8.59E-03	9.12E-04	5.55E-02	1.44E-02	3.26E-08	1.14E-04	2.49E-05	1.45E-02	1.83E-02	3.02E-02	8.59E-03	9.12E-04	5.80E-02
2902	488244.42	3857218.98	3.7951	0.99984	1.3643	0.28564	1.53E-02	2.98E-02	8.70E-03	9.02E-04	5.48E-02	1.40E-02	3.22E-08	1.16E-04	2.46E-05	1.41E-02	1.77E-02	2.98E-02	8.70E-03	9.02E-04	5.72E-02
2903	488294.42	3857218.98	3.69109	1.01083	1.3938	0.28339	1.49E-02	3.02E-02	8.89E-03	8.95E-04	5.49E-02	1.36E-02	3.26E-08	1.19E-04	2.44E-05	1.37E-02	1.73E-02	3.02E-02	8.89E-03	8.95E-04	5.72E-02
2904	488294.42	3857268.98	3.57438	1.01697	1.4721	0.26906	1.44E-02	3.03E-02	9.39E-03	8.50E-04	5.50E-02	1.31E-02	3.28E-08	1.25E-04	2.32E-05	1.33E-02	1.67E-02	3.03E-02	9.39E-03	8.50E-04	5.73E-02
2905	488139.13	3857111.68	4.59178	0.99854	1.3058	0.29567	1.86E-02	2.98E-02	8.33E-03	9.34E-04	5.76E-02	1.69E-02	3.22E-08	1.11E-04	2.55E-05	1.70E-02	2.15E-02	2.98E-02	8.33E-03	9.34E-04	6.05E-02
2906	488189.13	3857111.68	4.40698	1.0139	1.2691	0.29837	1.78E-02	3.02E-02	8.10E-03	9.42E-04	5.71E-02	1.62E-02	3.27E-08	1.08E-04	2.57E-05	1.63E-02	2.06E-02	3.02E-02	8.10E-03	9.42E-04	5.99E-02
2907	488189.13	3857161.68	4.24205	0.99999	1.3713	0.28752	1.71E-02	2.98E-02	8.75E-03	9.08E-04	5.66E-02	1.56E-02	3.22E-08	1.17E-04	2.48E-05	1.57E-02	1.98E-02	2.98E-02	8.75E-03	9.08E-04	5.93E-02
2908	487951.04	3856961.26	5.80617	0.9012	1.1862	0.31704	2.35E-02	2.69E-02	7.57E-03	1.00E-03	5.89E-02	2.13E-02	2.90E-08	1.01E-04	2.73E-05	2.15E-02	2.72E-02	2.69E-02	7.57E-03	1.00E-03	6.26E-02
2909	488001.04	3856961.26	5.62726	0.90728	1.2495	0.30746	2.27E-02	2.71E-02	7.97E-03	9.71E-04	5.88E-02	2.07E-02	2.92E-08	1.06E-04	2.65E-05	2.08E-02	2.63E-02	2.71E-02	7.97E-03	9.71E-04	6.23E-02
2910	488051.04	3856961.26	5.4497	0.90221	1.0067	0.30075	2.20E-02	2.69E-02	6.42E-03	9.50E-04	5.63E-02	2.00E-02	2.91E-08	8.56E-05	2.59E-05	2.01E-02	2.55E-02	2.69E-02	6.42E-03	9.50E-04	5.98E-02
2911	488101.04	3856961.26	5.24356	0.92205	1.0345	0.29711	2.12E-02	2.75E-02	6.60E-03	9.38E-04	5.62E-02	1.93E-02	2.97E-08	8.80E-05	2.56E-05	1.94E-02	2.45E-02	2.75E-02	6.60E-03	9.38E-04	5.96E-02
2912	487951.04	3857011.26	5.76997	0.94512	1.3067	0.31014	2.33E-02	2.82E-02	8.33E-03	9.79E-04	6.08E-02	2.12E-02	3.05E-08	1.11E-04	2.67E-05	2.14E-02	2.70E-02	2.82E-02	8.33E-03	9.79E-04	6.45E-02
2913	488001.04	3857011.26	5.57345	0.93718	1.3573	0.3222	2.25E-02	2.80E-02	8.66E-03	1.02E-03	6.02E-02	2.05E-02	3.02E-08	1.15E-04	2.77E-05	2.06E-02	2.61E-02	2.80E-02	8.66E-03	1.02E-03	6.37E-02
2914	488051.04	3857011.26	5.38563	0.93169	1.0933	0.32397	2.18E-02	2.78E-02	6.97E-03	1.02E-03	5.76E-02	1.98E-02	3.00E-08	9.30E-05	2.79E-05	1.99E-02	2.52E-02	2.78E-02	6.97E-03	1.02E-03	6.10E-02
2915	488101.04	3857011.26	5.1692	0.95044	1.1291	0.3033	2.09E-02	2.84E-02	7.20E-03	9.58E-04	5.74E-02	1.90E-02	3.06E-08	9.60E-05	2.61E-05	1.91E-02	2.42E-02	2.84E-02	7.20E-03	9.58E-04	6.07E-02
2916	488001.04	3857061.26	5.24516	0.96955	1.4736	0.30709	2.12E-02	2.89E-02	9.40E-03	9.70E-04	6.05E-02	1.93E-02	3.12E-08	1.25E-04	2.64E-05	1.94E-02	2.45E-02	2.89E-02	9.40E-03	9.70E-04	6.38E-02
2917	488051.04	3857061.26	5.04356	0.97172	1.1925	0.3057	2.04E-02	2.90E-02	7.61E-03	9.65E-04	5.79E-02	1.85E-02	3.13E-08	1.01E-04	2.63E-05	1.87E-02	2.36E-02	2.90E-02	7.61E-03	9.65E-04	6.11E-02
2918	488101.04	3857061.26	4.87692	0.97864	1.2363	0.30421	1.97E-02	2.92E-02	7.89E-03	9.61E-04	5.78E-02	1.79E-02	3.15E-08	1.05E-04	2.62E-05	1.81E-02	2.28E-02	2.92E-02	7.89E-03	9.61E-04	6.09E-02
2919	487638.98	3856673.79	7.1678	0.7198	1.4097	0.39142	2.90E-02	2.15E-02	8.99E-03	1.24E-03	6.07E-02	2.64E-02	2.32E-08	1.20E-04	3.37E-05	2.65E-02	3.35E-02	2.15E-02	8.99E-03	1.24E-03	6.52E-02
2920	487688.98	3856673.79	6.8433	0.71296	1.4463	0.36527	2.77E-02	2.13E-02	9.23E-03	1.15E-03	5.93E-02	2.52E-02	2.30E-08	1.23E-04	3.15E-05	2.53E-02	3.20E-02	2.13E-02	9.23E-03	1.15E-03	6.37E-02
2921	487638.98	3856723.79	7.2819	0.75117	1.3335	0.39122	2.94E-02	2.24E-02	8.51E-03	1.24E-03	6.16E-02	2.68E-02	2.42E-08	1.13E-04	3.37E-05	2.69E-02	3.41E-02	2.24E-02	8.51E-03	1.24E-03	6.62E-02
2922	487688.98	3856723.79	7.05015	0.74585	1.4624	0.36973	2.85E-02	2.23E-02	9.33E-03	1.17E-03	6.12E-02	2.59E-02	2.40E-08	1.24E-04	3.18E-05	2.61E-02	3.30E-02	2.23E-02	9.33E-03	1.17E-03	6.57E-02
2923	486324.61	3855740.57	5.73505	0.34706	0.571	0.57697	2.32E-02	1.04E-02	3.64E-03	1.82E-03	3.90E-02	2.11E-02	1.12E-08	4.86E-05	4.97E-05	2.12E-02	2.68E-02	1.04E-02	3.64E-03	1.82E-03	4.26E-02
2924	486374.61	3855740.57	5.14994	0.33695	0.5517	0.59882	2.08E-02	1.01E-02	3.52E-03	1.89E-03	3.63E-02	1.89E-02	1.09E-08	4.69E-05	5.16E-05	1.90E-02	2.41E-02	1.01E-02	3.52E-03	1.89E-03	3.95E-02

2925	486424.61	3855740.57	4.8767	0.32838	0.605	0.61245	1.97E-02	9.80E-03	3.86E-03	1.93E-03	3.53E-02	1.79E-02	1.06E-08	5.15E-05	5.27E-05	1.80E-02	2.28E-02	9.80E-03	3.86E-03	1.93E-03	3.84E-02
2926	486324.61	3855790.57	6.19284	0.36171	0.5692	0.62284	2.50E-02	1.08E-02	3.63E-03	1.97E-03	4.14E-02	2.28E-02	1.17E-08	4.84E-05	5.36E-05	2.29E-02	2.90E-02	1.08E-02	3.63E-03	1.97E-03	4.53E-02
2927	486374.61	3855790.57	5.62939	0.3523	0.572	0.6257	2.28E-02	1.05E-02	3.65E-03	1.98E-03	3.89E-02	2.07E-02	1.14E-08	4.86E-05	5.39E-05	2.08E-02	2.63E-02	1.05E-02	3.65E-03	1.98E-03	4.25E-02
2928	486424.61	3855790.57	5.44388	0.34791	0.5577	0.60529	2.20E-02	1.04E-02	3.56E-03	1.91E-03	3.79E-02	2.00E-02	1.12E-08	4.74E-05	5.21E-05	2.01E-02	2.55E-02	1.04E-02	3.56E-03	1.91E-03	4.13E-02
2929	486324.61	3855840.57	6.59364	0.37523	0.5558	0.62824	2.67E-02	1.12E-02	3.55E-03	1.98E-03	4.34E-02	2.42E-02	1.21E-08	4.73E-05	5.41E-05	2.43E-02	3.08E-02	1.12E-02	3.55E-03	1.98E-03	4.76E-02
2930	486374.61	3855840.57	6.34231	0.37129	0.5836	0.63257	2.56E-02	1.11E-02	3.72E-03	2.00E-03	4.24E-02	2.33E-02	1.20E-08	4.96E-05	5.45E-05	2.34E-02	2.97E-02	1.11E-02	3.72E-03	2.00E-03	4.65E-02
2931	486424.61	3855840.57	6.01353	0.36698	0.573	0.62832	2.43E-02	1.09E-02	3.66E-03	1.98E-03	4.09E-02	2.21E-02	1.18E-08	4.87E-05	5.41E-05	2.22E-02	2.81E-02	1.09E-02	3.66E-03	1.98E-03	4.47E-02
2932	486324.61	3855890.57	7.31777	0.40097	0.5407	0.6567	2.96E-02	1.20E-02	3.45E-03	2.07E-03	4.71E-02	2.69E-02	1.29E-08	4.60E-05	5.65E-05	2.70E-02	3.42E-02	1.20E-02	3.45E-03	2.07E-03	5.17E-02
2933	486374.61	3855890.57	6.98827	0.39435	0.5701	0.65596	2.82E-02	1.18E-02	3.64E-03	2.07E-03	4.57E-02	2.57E-02	1.27E-08	4.85E-05	5.65E-05	2.58E-02	3.27E-02	1.18E-02	3.64E-03	2.07E-03	5.02E-02
2934	486424.61	3855890.57	6.5965	0.38443	0.5916	0.65705	2.67E-02	1.15E-02	3.77E-03	2.07E-03	4.40E-02	2.43E-02	1.24E-08	5.03E-05	5.66E-05	2.44E-02	3.08E-02	1.15E-02	3.77E-03	2.07E-03	4.82E-02
2935	488735.69	3858285.64	1.95098	1.77148	6.2592	0.31462	7.89E-03	5.28E-02	3.99E-02	9.93E-04	1.02E-01	7.17E-03	5.71E-08	5.32E-04	2.71E-05	7.73E-03	9.12E-03	5.28E-02	3.99E-02	9.93E-04	1.03E-01
2936	488765.69	3858285.64	1.88823	1.7447	5.8848	0.32142	7.63E-03	5.21E-02	3.75E-02	1.01E-03	9.82E-02	6.94E-03	5.62E-08	5.00E-04	2.77E-05	7.47E-03	8.83E-03	5.21E-02	3.75E-02	1.01E-03	9.94E-02
2937	488735.69	3858315.64	1.93687	1.79833	5.7444	0.30727	7.83E-03	5.37E-02	3.66E-02	9.70E-04	9.91E-02	7.12E-03	5.80E-08	4.89E-04	2.65E-05	7.64E-03	9.06E-03	5.37E-02	3.66E-02	9.70E-04	1.00E-01
2938	488765.69	3858315.64	1.93815	1.77521	5.7317	0.32059	7.83E-03	5.30E-02	3.66E-02	1.01E-03	9.84E-02	7.13E-03	5.72E-08	4.87E-04	2.76E-05	7.64E-03	9.06E-03	5.30E-02	3.66E-02	1.01E-03	9.96E-02
2939	478676.63	3849871.93	0.53731	0.22636	0.1462	0.08841	2.17E-03	6.75E-03	9.32E-04	2.79E-04	1.01E-02	1.98E-03	7.30E-09	1.24E-05	7.61E-06	2.00E-03	2.51E-03	6.75E-03	9.32E-04	2.79E-04	1.05E-02
2940	479326.63	3849871.93	0.78366	0.1705	0.0914	0.08616	3.17E-03	5.09E-03	5.83E-04	2.72E-04	9.11E-03	2.88E-03	5.50E-09	7.77E-06	7.42E-06	2.90E-03	3.66E-03	5.09E-03	5.83E-04	2.72E-04	9.61E-03
2941	479376.63	3849871.93	0.796	0.16584	0.0891	0.08651	3.22E-03	4.95E-03	5.68E-04	2.73E-04	9.01E-03	2.93E-03	5.35E-09	7.58E-06	7.45E-06	2.94E-03	3.72E-03	4.95E-03	5.68E-04	2.73E-04	9.51E-03
2942	479426.63	3849871.93	0.8326	0.15806	0.0846	0.08677	3.37E-03	4.72E-03	5.40E-04	2.74E-04	8.89E-03	3.06E-03	5.09E-09	7.20E-06	7.47E-06	3.08E-03	3.89E-03	4.72E-03	5.40E-04	2.74E-04	9.42E-03
2943	478726.63	3849921.93	0.54035	0.2306	0.1473	0.08872	2.18E-03	6.88E-03	9.40E-04	2.80E-04	1.03E-02	1.99E-03	7.43E-09	1.25E-05	7.64E-06	2.01E-03	2.53E-03	6.88E-03	9.40E-04	2.80E-04	1.06E-02
2944	478776.63	3849921.93	0.54547	0.22871	0.1442	0.08711	2.20E-03	6.82E-03	9.20E-04	2.75E-04	1.02E-02	2.01E-03	7.37E-09	1.23E-05	7.50E-06	2.03E-03	2.55E-03	6.82E-03	9.20E-04	2.75E-04	1.06E-02
2945	478826.63	3849921.93	0.56287	0.23096	0.1408	0.08544	2.28E-03	6.89E-03	8.98E-04	2.70E-04	1.03E-02	2.07E-03	7.44E-09	1.20E-05	7.36E-06	2.09E-03	2.63E-03	6.89E-03	8.98E-04	2.70E-04	1.07E-02
2946	478976.63	3849921.93	0.65971	0.23101	0.1296	0.08213	2.67E-03	6.89E-03	8.27E-04	2.59E-04	1.06E-02	2.43E-03	7.45E-09	1.10E-05	7.07E-06	2.44E-03	3.09E-03	6.89E-03	8.27E-04	2.59E-04	1.11E-02
2947	479026.63	3849921.93	0.62309	0.23169	0.1256	0.08386	2.52E-03	6.91E-03	8.01E-04	2.65E-04	1.05E-02	2.29E-03	7.47E-09	1.07E-05	7.22E-06	2.31E-03	2.91E-03	6.91E-03	8.01E-04	2.65E-04	1.09E-02
2948	479076.63	3849921.93	0.57753	0.22415	0.1193	0.08574	2.33E-03	6.69E-03	7.61E-04	2.71E-04	1.01E-02	2.12E-03	7.22E-09	1.01E-05	7.38E-06	2.14E-03	2.70E-03	6.69E-03	7.61E-04	2.71E-04	1.04E-02
2949	479126.63	3849921.93	0.63583	0.21966	0.1112	0.08771	2.57E-03	6.55E-03	7.10E-04	2.77E-04	1.01E-02	2.34E-03	7.08E-09	9.46E-06	7.55E-06	2.35E-03	2.97E-03	6.55E-03	7.10E-04	2.77E-04	1.05E-02
2950	479176.63	3849921.93	0.68031	0.21693	0.1035	0.08965	2.75E-03	6.47E-03	6.60E-04	2.83E-04	1.02E-02	2.50E-03	6.99E-09	8.80E-06	7.72E-06	2.52E-03	3.18E-03	6.47E-03	6.60E-04	2.83E-04	1.06E-02
2951	479226.63	3849921.93	0.69312	0.20438	0.0959	0.09106	2.80E-03	6.10E-03	6.12E-04	2.88E-04	9.80E-03	2.55E-03	6.59E-09	8.16E-06	7.84E-06	2.56E-03	3.24E-03	6.10E-03	6.12E-04	2.88E-04	1.02E-02
2952	479276.63	3849921.93	0.69213	0.18543	0.0885	0.08828	2.80E-03	5.53E-03	5.65E-04	2.79E-04	9.17E-03	2.54E-03	5.98E-09	7.53E-06	7.60E-06	2.56E-03	3.24E-03	5.53E-03	5.65E-04	2.79E-04	9.61E-03
2953	479326.63	3849921.93	0.73865	0.18621	0.0874	0.08623	2.99E-03	5.56E-03	5.57E-04	2.72E-04	9.37E-03	2.72E-03	6.00E-09	7.43E-06	7.43E-06	2.73E-03	3.45E-03	5.56E-03	5.57E-04	2.72E-04	9.84E-03
2954	479376.63	3849921.93	0.79026	0.17365	0.0918	0.08663	3.19E-03	5.18E-03	5.86E-04	2.74E-04	9.23E-03	2.91E-03	5.60E-09	7.81E-06	7.46E-06	2.92E-03	3.70E-03	5.18E-03	5.86E-04	2.74E-04	9.74E-03
2955	479426.63	3849921.93	0.80493	0.17835	0.0901	0.08696	3.25E-03	5.32E-03	5.75E-04	2.75E-04	9.42E-03	2.96E-03	5.75E-09	7.66E-06	7.49E-06	2.97E-03	3.76E-03	5.32E-03	5.75E-04	2.75E-04	9.93E-03
2956	478726.63	3849971.93	0.54949	0.2362	0.1514	0.09059	2.22E-03	7.05E-03	9.66E-04	2.86E-04	1.05E-02	2.02E-03	7.61E-09	1.29E-05	7.80E-06	2.04E-03	2.57E-03	7.05E-03	9.66E-04	2.86E-04	1.09E-02
2957	478776.63	3849971.93	0.54399	0.234	0.1485	0.08903	2.20E-03	6.98E-03	9.47E-04	2.81E-04	1.04E-02	2.00E-03	7.54E-09	1.26E-05	7.67E-06	2.02E-03	2.54E-03	6.98E-03	9.47E-04	2.81E-04	1.08E-02
2958	478826.63	3849971.93	0.54613	0.23119	0.1454	0.0874	2.21E-03	6.90E-03	9.27E-04	2.76E-04	1.03E-02	2.01E-03	7.45E-09	1.24E-05	7.53E-06	2.03E-03	2.55E-03	6.90E-03	9.27E-04	2.76E-04	1.07E-02
2959	478976.63	3849971.93	0.62398	0.23729	0.1347	0.0822	2.52E-03	7.08E-03	8.59E-04	2.60E-04	1.07E-02	2.29E-03	7.65E-09	1.15E-05	7.08E-06	2.31E-03	2.92E-03	7.08E-03	8.59E-04	2.60E-04	1.11E-02
2960	479026.63	3849971.93	0.66402	0.23755	0.1308	0.08288	2.68E-03	7.09E-03	8.34E-04	2.62E-04	1.09E-02	2.44E-03	7.66E-09	1.11E-05	7.14E-06	2.46E-03	3.11E-03	7.09E-03	8.34E-04	2.62E-04	1.13E-02
2961	479076.63	3849971.93	0.62641	0.23302	0.1267	0.08478	2.53E-03	6.95E-03	8.08E-04	2.68E-04	1.06E-02	2.30E-03	7.51E-09	1.08E-05	7.30E-06	2.32E-03	2.93E-03	6.95E-03	8.08E-04	2.68E-04	1.10E-02
2962	479126.63	3849971.93	0.58244	0.22775	0.1211	0.08669	2.35E-03	6.79E-03	7.72E-04	2.74E-04	1.02E-02	2.14E-03	7.34E-09	1.03E-05	7.46E-06	2.16E-03	2.72E-03	6.79E-03	7.72E-04	2.74E-04	1.06E-02
2963	479176.63	3849971.93	0.63588	0.22331	0.113	0.08865	2.57E-03	6.66E-03	7.21E-04	2.80E-04	1.02E-02	2.34E-03	7.20E-09	9.61E-06	7.63E-06	2.36E-03	2.97E-03	6.66E-03	7.21E-04	2.80E-04	1.06E-02
2964	479226.63	3849971.93	0.6927	0.20014	0.1048	0.09114	2.80E-03	5.97E-03	6.69E-04	2.88E-04	9.73E-03	2.55E-03	6.45E-09	8.91E-06	7.85E-06	2.56E-03	3.24E-03	5.97E-03	6.69E-04	2.88E-04	1.02E-02
2965	479276.63	3849971.93	0.69709	0.20816	0.0974	0.09142	2.82E-03	6.21E-03	6.21E-04	2.89E-04	9.94E-03	2.56E-03	6.71E-09	8.29E-06	7.87E-06	2.58E-03	3.26E-03	6.21E-03	6.21E-04	2.89E-04	1.04E-02
2966	479326.63	3849971.93	0.69629	0.204	0.0903	0.08859	2.81E-03	6.09E-03	5.76E-04	2.80E-04	9.76E-03	2.56E-03	6.58E-09	7.68E-06	7.63E-06	2.58E-03	3.26E-03	6.09E-03	5.76E-04	2.80E-04	1.02E-02
2967	479376.63	3849971.93	0.747	0.18429	0.0877	0.08672	3.02E-03	5.50E-03	5.59E-04	2.74E-04	9.35E-03	2.75E-03	5.94E-09	7.46E-06	7.47E-06	2.76E-03	3.49E-03	5.50E-03	5.59E-04	2.74E-04	9.82E-03
2968	479426.63	3849971.93	0.78966	0.18596	0.0924	0.08711	3.19E-03	5.55E-03	5.89E-04	2.75E-04	9.60E-03	2.90E-03	5.99E-09	7.85E-06	7.50E-06	2.92E-03	3.69E-03	5.55E-03	5.89E-04	2.75E-04	1.01E-02
2969	478726.63	3850021.93	0.54713	0.24148	0.1545	0.09244	2.21E-03	7.20E-03	9.86E-04	2.92E-04	1.07E-02	2.01E-03	7.78E-09	1.31E-05	7.96E-06	2.03E-03	2.56E-03	7.20E-03	9.86E-04	2.92E-04	1.10E-02
2970	478776.63	3850021.93	0.55189	0.23922	0.1526	0.09092	2.23E-03	7.14E-03	9.73E-04	2.87E-04	1.06E-02	2.03E-03	7.71E-09	1.30E-05	7.83E-06	2.05E-03	2.58E-03	7.14E-03	9.73E-04	2.87E-04	1.10E-02
2971	478826.63	3850021.93	0.54737	0.2373	0.1497	0.08933	2.21E-03	7.08E-03	9.55E-04	2.82E-04	1.05E-02	2.01E-03	7.65E-09	1.27E-05	7.69E-06	2.03E-03	2.56E-03	7.08E-03	9.55E-04	2.82E-04	1.09E-02
2972	478976.63	3850021.93	0.57394	0.24285	0.1397	0.08423	2.32E-03	7.25E-03	8.91E-04	2.66E-04	1.07E-02	2.11E-03	7.83E-09	1.19E-05	7.25E-06	2.13E-03	2.68E-03	7.25E-03	8.91E-04	2.66E-04	1.11E-02
2973	478726.63	3850071.93	0.53355	0.24661	0.1529	0.09425	2.16E-03	7.36E-03	9.75E-04	2.98E-04	1.08E-02	1.96E-03	7.95E-09	1.30E-05	8.12E-06	1.98E-03	2.50E-03	7.36E-03	9.75E-04	2.98E-04	1.11E-02
2974	478776.63	3850071.93	0.54643	0.24558	0.155	0.09279	2.21E-03	7.33E-03	9.89E-04	2.93E-04	1.08E-02	2.01E-03	7.92E-09	1.32E-05	7.99E-06	2.03E-03	2.56E-03	7.33E-03	9.89E-04	2.93E-04	1.12E-02
2975	478826.63	3850071.93	0.55202	0.24365	0.1537	0.09125	2.23E-03	7.27E-03	9.81E-04	2.88E-04	1.08E-02	2.03E-03	7.85E-09	1.31E-05	7.86E-06	2.05E-03	2.58E-03	7.27E-03	9.81E-04	2.88E-04	1.11E-02
2976	478876.63	3850071.93	0.54844	0.24197	0.1509	0.08964	2.22E-03	7.22E-03	9.62E-04	2.83E-04	1.07E-02	2.02E-03	7.80E-09	1.28E-05	7.72E-06	2.04E-03	2.56E-03	7.22E-03	9.62E-04	2.83E-04	1.10E-02
2977	478976.63	3850071.93	0.56118	0.24919	0.1444	0.08625	2.27E-03	7.43E-03	9.21E-04	2.72E-04	1.09E-02	2.06E-03	8.03E-09	1.23E-05	7.43E-06	2.08E-03	2.62E-03	7.43E-03	9.21E-04	2.72E-04	1.13E-02
2978	478726.63	3850121.93	0.51081	0.25099	0.1512	0.09603	2.06E-03	7.49E-03	9.65E-04	3.03E-04	1.08E-02	1.88E-03	8.09E-09	1.29E-05	8.27E-06	1.90E-03	2.39E-03	7.49E-03	9.65E-04	3.03E-04	1.11E-02
2979	478776.63	3850121.93	0.53066	0.25145	0.1534	0.09462	2.15E-03	7.50E-03	9.78E-04	2.99E-04	1.09E-02	1.95E-03	8.10E-09	1.30E-05	8.15E-06	1.97E-03	2.48E-03	7.50E-03	9.78E-04	2.99E-04	1.13E-02
2980	478826.63	3850121.93	0.54492	0.24997	0.1555	0.09314	2.20E-03	7.46E-03	9.92E-04	2.94E-04	1.09E-02	2.00E-03	8.06E-09	1.32E-05	8.02E-06	2.02E-03	2.55E-03	7.46E-03	9.92E-04	2.94E-04	1.13E-02
2981	478876.63	3850121.93	0.5522	0.24765	0.1549	0.09158	2.23E-03	7.39E-03	9.88E-04	2.89E-04	1.09E-02	2.03E-03	7.98E-09	1.32E-05	7.89E-06	2.05E-03	2.58E-03	7.39E-03	9.88E-04	2.89E-04	1.12E-02
2982	478976.63	3850121.93	0.54883	0.24818	0.149	0.08827	2.22E-03	7.40E-03	9.50E-04	2.79E-04	1.09E-02	2.02E-03	8.00E-09	1.27E-05	7.60E-06	2.04E-03	2.57E-03	7.40E-03	9.50E-04	2.79E-04	1.12E-02
2983	479026.63	3850121.93	0.55868	0.25468	0.1457	0.08652	2.26E-03	7.60E-03	9.29E-04	2.73E-04	1.11E-02	2.05E-03	8.21E-09	1.24E-05	7.45E-06	2.07E-03	2.61E-03	7.60E-03	9.29E-04	2.73E-04	1.14E-02
2984	479076.63	3850121.93	0.57325	0.25235	0.1421	0.08472	2.32E-03	7.53E-03	9.07E-04	2.67E-04	1.10E-02	2.11E-03	8.13E-09	1.21E-05	7.30E-06	2.13E-03	2.68E-03	7.53E-03	9.07E-04	2.67E-04	1.14E-02
2985	479126.63	3850121.93	0.61909	0.25043	0.1384	0.08364	2.50E-03	7.47E-03	8.83E-04	2.64E-04	1.11E-02	2.28E-03	8.07E-09	1.18E-05	7.20E-06	2.30E-03	2.90E-03	7.47E-03	8.83E-04	2.64E-04	1.15E-02

2986	478776.63	3850171.93	0.507	0.25585	0.1517	0.09642	2.05E-03	7.63E-03	9.67E-04	3.04E-04	1.10E-02	1.86E-03	8.25E-09	1.29E-05	8.30E-06	1.89E-03	2.37E-03	7.63E-03	9.67E-04	3.04E-04	1.13E-02
2987	478826.63	3850171.93	0.52884	0.25515	0.1539	0.09499	2.14E-03	7.61E-03	9.81E-04	3.00E-04	1.10E-02	1.94E-03	8.22E-09	1.31E-05	8.18E-06	1.97E-03	2.47E-03	7.61E-03	9.81E-04	3.00E-04	1.14E-02
2988	478876.63	3850171.93	0.54427	0.25349	0.156	0.09349	2.20E-03	7.56E-03	9.95E-04	2.95E-04	1.11E-02	2.00E-03	8.17E-09	1.33E-05	8.05E-06	2.02E-03	2.55E-03	7.56E-03	9.95E-04	2.95E-04	1.14E-02
2989	478976.63	3850171.93	0.54619	0.2526	0.1533	0.09027	2.21E-03	7.54E-03	9.78E-04	2.85E-04	1.10E-02	2.01E-03	8.14E-09	1.30E-05	7.77E-06	2.03E-03	2.55E-03	7.54E-03	9.78E-04	2.85E-04	1.14E-02
2990	479026.63	3850171.93	0.54929	0.25742	0.1502	0.08856	2.22E-03	7.68E-03	9.58E-04	2.80E-04	1.11E-02	2.02E-03	8.30E-09	1.28E-05	7.63E-06	2.04E-03	2.57E-03	7.68E-03	9.58E-04	2.80E-04	1.15E-02
2991	479076.63	3850171.93	0.55625	0.25971	0.1469	0.08679	2.25E-03	7.75E-03	9.37E-04	2.74E-04	1.12E-02	2.05E-03	8.37E-09	1.25E-05	7.47E-06	2.07E-03	2.60E-03	7.75E-03	9.37E-04	2.74E-04	1.16E-02
2992	479126.63	3850171.93	0.57058	0.25854	0.1434	0.08497	2.31E-03	7.71E-03	9.14E-04	2.68E-04	1.12E-02	2.10E-03	8.33E-09	1.22E-05	7.32E-06	2.12E-03	2.67E-03	7.71E-03	9.14E-04	2.68E-04	1.16E-02
2993	479176.63	3850171.93	0.61297	0.25942	0.1396	0.08448	2.48E-03	7.74E-03	8.91E-04	2.67E-04	1.14E-02	2.25E-03	8.36E-09	1.19E-05	7.27E-06	2.27E-03	2.87E-03	7.74E-03	8.91E-04	2.67E-04	1.18E-02
2994	479226.63	3850171.93	0.64758	0.26151	0.1357	0.08629	2.62E-03	7.80E-03	8.66E-04	2.72E-04	1.16E-02	2.38E-03	8.43E-09	1.15E-05	7.43E-06	2.40E-03	3.03E-03	7.80E-03	8.66E-04	2.72E-04	1.20E-02
2995	479276.63	3850171.93	0.63655	0.26482	0.1317	0.08814	2.57E-03	7.90E-03	8.40E-04	2.78E-04	1.16E-02	2.34E-03	8.54E-09	1.12E-05	7.59E-06	2.36E-03	2.98E-03	7.90E-03	8.40E-04	2.78E-04	1.20E-02
2996	479326.63	3850171.93	0.62102	0.25971	0.1274	0.09022	2.51E-03	7.75E-03	8.13E-04	2.85E-04	1.14E-02	2.28E-03	8.37E-09	1.08E-05	7.77E-06	2.30E-03	2.90E-03	7.75E-03	8.13E-04	2.85E-04	1.17E-02
2997	479376.63	3850171.93	0.62471	0.25386	0.1205	0.09238	2.53E-03	7.57E-03	7.69E-04	2.92E-04	1.12E-02	2.30E-03	8.18E-09	1.02E-05	7.95E-06	2.31E-03	2.92E-03	7.57E-03	7.69E-04	2.92E-04	1.16E-02
2998	478676.63	3850221.93	0.41926	0.25909	0.1455	0.09207	1.69E-03	7.73E-03	9.28E-04	2.91E-04	1.06E-02	1.54E-03	8.35E-09	1.24E-05	7.93E-06	1.56E-03	1.96E-03	7.73E-03	9.28E-04	2.91E-04	1.09E-02
2999	478726.63	3850221.93	0.45575	0.26472	0.1477	0.09439	1.84E-03	7.90E-03	9.42E-04	2.98E-04	1.10E-02	1.68E-03	8.53E-09	1.26E-05	8.13E-06	1.70E-03	2.13E-03	7.90E-03	9.42E-04	2.98E-04	1.13E-02
3000	478976.63	3850221.93	0.5436	0.25948	0.1573	0.09225	2.20E-03	7.74E-03	1.00E-03	2.91E-04	1.12E-02	2.00E-03	8.36E-09	1.34E-05	7.94E-06	2.02E-03	2.54E-03	7.74E-03	1.00E-03	2.91E-04	1.16E-02
3001	479026.63	3850221.93	0.5409	0.26211	0.1545	0.09059	2.19E-03	7.82E-03	9.86E-04	2.86E-04	1.13E-02	1.99E-03	8.45E-09	1.31E-05	7.80E-06	2.01E-03	2.53E-03	7.82E-03	9.86E-04	2.86E-04	1.16E-02
3002	479076.63	3850221.93	0.55119	0.26588	0.1515	0.08885	2.23E-03	7.93E-03	9.66E-04	2.81E-04	1.14E-02	2.03E-03	8.57E-09	1.29E-05	7.65E-06	2.05E-03	2.58E-03	7.93E-03	9.66E-04	2.81E-04	1.18E-02
3003	479126.63	3850221.93	0.55163	0.26839	0.1482	0.08706	2.23E-03	8.01E-03	9.45E-04	2.75E-04	1.15E-02	2.03E-03	8.65E-09	1.26E-05	7.50E-06	2.05E-03	2.58E-03	8.01E-03	9.45E-04	2.75E-04	1.18E-02
3004	479176.63	3850221.93	0.56585	0.27311	0.1446	0.08523	2.29E-03	8.15E-03	9.23E-04	2.69E-04	1.16E-02	2.08E-03	8.80E-09	1.23E-05	7.34E-06	2.10E-03	2.65E-03	8.15E-03	9.23E-04	2.69E-04	1.20E-02
3005	479226.63	3850221.93	0.59998	0.27269	0.1409	0.08526	2.43E-03	8.14E-03	8.99E-04	2.69E-04	1.17E-02	2.21E-03	8.79E-09	1.20E-05	7.34E-06	2.23E-03	2.81E-03	8.14E-03	8.99E-04	2.69E-04	1.21E-02
3006	479276.63	3850221.93	0.6335	0.27049	0.137	0.08715	2.56E-03	8.07E-03	8.74E-04	2.75E-04	1.18E-02	2.33E-03	8.72E-09	1.17E-05	7.50E-06	2.35E-03	2.96E-03	8.07E-03	8.74E-04	2.75E-04	1.22E-02
3007	479326.63	3850221.93	0.64655	0.26579	0.1329	0.08922	2.61E-03	7.93E-03	8.48E-04	2.82E-04	1.17E-02	2.38E-03	8.57E-09	1.13E-05	7.68E-06	2.40E-03	3.02E-03	7.93E-03	8.48E-04	2.82E-04	1.21E-02
3008	479376.63	3850221.93	0.63156	0.26216	0.1286	0.0913	2.55E-03	7.82E-03	8.20E-04	2.88E-04	1.15E-02	2.32E-03	8.45E-09	1.09E-05	7.86E-06	2.34E-03	2.95E-03	7.82E-03	8.20E-04	2.88E-04	1.19E-02
3009	478676.63	3850271.93	0.45644	0.26508	0.1437	0.09064	1.85E-03	7.91E-03	9.16E-04	2.86E-04	1.10E-02	1.68E-03	8.54E-09	1.22E-05	7.81E-06	1.70E-03	2.13E-03	7.91E-03	9.16E-04	2.86E-04	1.12E-02
3010	478726.63	3850271.93	0.41469	0.26508	0.1459	0.09272	1.68E-03	7.91E-03	9.30E-04	2.93E-04	1.08E-02	1.52E-03	8.54E-09	1.24E-05	7.98E-06	1.55E-03	1.94E-03	7.91E-03	9.30E-04	2.93E-04	1.11E-02
3011	478976.63	3850271.93	0.53332	0.26491	0.157	0.0942	2.16E-03	7.90E-03	1.00E-03	2.97E-04	1.14E-02	1.96E-03	8.54E-09	1.33E-05	8.11E-06	1.98E-03	2.49E-03	7.90E-03	1.00E-03	2.97E-04	1.17E-02
3012	479026.63	3850271.93	0.53728	0.26677	0.1585	0.09259	2.17E-03	7.96E-03	1.01E-03	2.92E-04	1.14E-02	1.98E-03	8.60E-09	1.35E-05	7.97E-06	2.00E-03	2.51E-03	7.96E-03	1.01E-03	2.92E-04	1.18E-02
3013	479076.63	3850271.93	0.53752	0.27278	0.1557	0.0909	2.17E-03	8.14E-03	9.93E-04	2.87E-04	1.16E-02	1.98E-03	8.79E-09	1.32E-05	7.83E-06	2.00E-03	2.51E-03	8.14E-03	9.93E-04	2.87E-04	1.19E-02
3014	479126.63	3850271.93	0.54925	0.27565	0.1527	0.08915	2.22E-03	8.22E-03	9.74E-04	2.81E-04	1.17E-02	2.02E-03	8.88E-09	1.30E-05	7.68E-06	2.04E-03	2.57E-03	8.22E-03	9.74E-04	2.81E-04	1.20E-02
3015	479176.63	3850271.93	0.54345	0.28291	0.1494	0.08734	2.20E-03	8.44E-03	9.53E-04	2.76E-04	1.19E-02	2.00E-03	9.12E-09	1.27E-05	7.52E-06	2.02E-03	2.54E-03	8.44E-03	9.53E-04	2.76E-04	1.22E-02
3016	479226.63	3850271.93	0.57639	0.28738	0.1459	0.08548	2.33E-03	8.57E-03	9.31E-04	2.70E-04	1.21E-02	2.12E-03	9.26E-09	1.24E-05	7.36E-06	2.14E-03	2.70E-03	8.57E-03	9.31E-04	2.70E-04	1.25E-02
3017	479276.63	3850271.93	0.59233	0.2752	0.1422	0.08618	2.39E-03	8.21E-03	9.07E-04	2.72E-04	1.18E-02	2.18E-03	8.87E-09	1.21E-05	7.42E-06	2.20E-03	2.77E-03	8.21E-03	9.07E-04	2.72E-04	1.22E-02
3018	479326.63	3850271.93	0.63626	0.27157	0.1383	0.08822	2.57E-03	8.10E-03	8.82E-04	2.79E-04	1.18E-02	2.34E-03	8.75E-09	1.18E-05	7.60E-06	2.36E-03	2.98E-03	8.10E-03	8.82E-04	2.79E-04	1.22E-02
3019	479376.63	3850271.93	0.65806	0.26654	0.1341	0.09034	2.66E-03	7.95E-03	8.56E-04	2.85E-04	1.18E-02	2.42E-03	8.59E-09	1.14E-05	7.78E-06	2.44E-03	3.08E-03	7.95E-03	8.56E-04	2.85E-04	1.22E-02
3020	479053.24	3850293.52	0.5337	0.27305	0.1588	0.09257	2.16E-03	8.15E-03	1.01E-03	2.92E-04	1.16E-02	1.96E-03	8.80E-09	1.35E-05	7.97E-06	1.98E-03	2.50E-03	8.15E-03	1.01E-03	2.92E-04	1.19E-02
3021	479103.24	3850293.52	0.53273	0.27849	0.156	0.09086	2.15E-03	8.31E-03	9.95E-04	2.87E-04	1.17E-02	1.96E-03	8.98E-09	1.33E-05	7.82E-06	1.98E-03	2.49E-03	8.31E-03	9.95E-04	2.87E-04	1.21E-02
3022	479153.24	3850293.52	0.54699	0.2816	0.1529	0.0891	2.21E-03	8.40E-03	9.75E-04	2.81E-04	1.19E-02	2.01E-03	9.08E-09	1.30E-05	7.67E-06	2.03E-03	2.56E-03	8.40E-03	9.75E-04	2.81E-04	1.22E-02
3023	479203.24	3850293.52	0.5455	0.28944	0.1496	0.08727	2.21E-03	8.63E-03	9.54E-04	2.76E-04	1.21E-02	2.01E-03	9.33E-09	1.27E-05	7.51E-06	2.03E-03	2.55E-03	8.63E-03	9.54E-04	2.76E-04	1.24E-02
3024	479253.24	3850293.52	0.57608	0.28716	0.1461	0.0854	2.33E-03	8.57E-03	9.32E-04	2.70E-04	1.21E-02	2.12E-03	9.26E-09	1.24E-05	7.35E-06	2.14E-03	2.69E-03	8.57E-03	9.32E-04	2.70E-04	1.25E-02
3025	479303.24	3850293.52	0.59779	0.27514	0.1424	0.08684	2.42E-03	8.21E-03	9.08E-04	2.74E-04	1.18E-02	2.20E-03	8.87E-09	1.21E-05	7.48E-06	2.22E-03	2.80E-03	8.21E-03	9.08E-04	2.74E-04	1.22E-02
3026	479353.24	3850293.52	0.64387	0.2707	0.1384	0.08892	2.60E-03	8.08E-03	8.83E-04	2.81E-04	1.18E-02	2.37E-03	8.72E-09	1.18E-05	7.66E-06	2.39E-03	3.01E-03	8.08E-03	8.83E-04	2.81E-04	1.23E-02
3027	479153.24	3850343.52	0.52564	0.28488	0.1572	0.09118	2.12E-03	8.50E-03	1.00E-03	2.88E-04	1.19E-02	1.93E-03	9.18E-09	1.34E-05	7.85E-06	1.95E-03	2.46E-03	8.50E-03	1.00E-03	2.88E-04	1.22E-02
3028	479203.24	3850343.52	0.50978	0.29223	0.1542	0.08939	2.06E-03	8.72E-03	9.84E-04	2.82E-04	1.20E-02	1.87E-03	9.42E-09	1.31E-05	7.70E-06	1.90E-03	2.38E-03	8.72E-03	9.84E-04	2.82E-04	1.24E-02
3029	479253.24	3850343.52	0.54192	0.29867	0.1509	0.08754	2.19E-03	8.91E-03	9.63E-04	2.76E-04	1.23E-02	1.99E-03	9.63E-09	1.28E-05	7.54E-06	2.01E-03	2.53E-03	8.91E-03	9.63E-04	2.76E-04	1.27E-02
3030	479303.24	3850343.52	0.58924	0.28766	0.1474	0.08588	2.38E-03	8.58E-03	9.40E-04	2.71E-04	1.22E-02	2.17E-03	9.27E-09	1.25E-05	7.40E-06	2.19E-03	2.76E-03	8.58E-03	9.40E-04	2.71E-04	1.25E-02
3031	479353.24	3850343.52	0.60118	0.27545	0.1436	0.08793	2.43E-03	8.22E-03	9.16E-04	2.78E-04	1.18E-02	2.21E-03	8.88E-09	1.22E-05	7.57E-06	2.23E-03	2.81E-03	8.22E-03	9.16E-04	2.78E-04	1.22E-02
3032	479203.24	3850393.52	0.50843	0.29041	0.1585	0.09149	2.06E-03	8.66E-03	1.01E-03	2.89E-04	1.20E-02	1.87E-03	9.36E-09	1.35E-05	7.88E-06	1.89E-03	2.38E-03	8.66E-03	1.01E-03	2.89E-04	1.23E-02
3033	479253.24	3850393.52	0.51666	0.30025	0.1555	0.08968	2.09E-03	8.96E-03	9.92E-04	2.83E-04	1.23E-02	1.90E-03	9.68E-09	1.32E-05	7.72E-06	1.92E-03	2.42E-03	8.96E-03	9.92E-04	2.83E-04	1.26E-02
3034	479303.24	3850393.52	0.5219	0.30175	0.1522	0.08781	2.11E-03	9.00E-03	9.71E-04	2.77E-04	1.24E-02	1.92E-03	9.73E-09	1.29E-05	7.56E-06	1.94E-03	2.44E-03	9.00E-03	9.71E-04	2.77E-04	1.27E-02
3035	479353.24	3850393.52	0.59376	0.28827	0.1486	0.08693	2.40E-03	8.60E-03	9.48E-04	2.74E-04	1.22E-02	2.18E-03	9.29E-09	1.26E-05	7.49E-06	2.20E-03	2.78E-03	8.60E-03	9.48E-04	2.74E-04	1.26E-02
3036	479403.24	3850393.52	0.60222	0.27698	0.1449	0.08901	2.43E-03	8.26E-03	9.24E-04	2.81E-04	1.19E-02	2.21E-03	8.93E-09	1.23E-05	7.66E-06	2.23E-03	2.82E-03	8.26E-03	9.24E-04	2.81E-04	1.23E-02
3037	479453.24	3850393.52	0.65275	0.27371	0.1409	0.09119	2.64E-03	8.17E-03	8.99E-04	2.88E-04	1.20E-02	2.40E-03	8.82E-09	1.20E-05	7.85E-06	2.42E-03	3.05E-03	8.17E-03	8.99E-04	2.88E-04	1.24E-02
3038	479503.24	3850393.52	0.68785	0.26574	0.1367	0.09345	2.78E-03	7.93E-03	8.72E-04	2.95E-04	1.19E-02	2.53E-03	8.56E-09	1.16E-05	8.05E-06	2.55E-03	3.22E-03	7.93E-03	8.72E-04	2.95E-04	1.23E-02
3039	479303.24	3850443.52	0.52357	0.30668	0.1567	0.08997	2.12E-03	9.15E-03	1.00E-03	2.84E-04	1.25E-02	1.92E-03	9.88E-09	1.33E-05	7.75E-06	1.95E-03	2.45E-03	9.15E-03	1.00E-03	2.84E-04	1.29E-02
3040	479353.24	3850443.52	0.54752	0.30153	0.1534	0.08806	2.21E-03	9.00E-03	9.79E-04	2.78E-04	1.25E-02	2.01E-03	9.72E-09	1.30E-05	7.58E-06	2.03E-03	2.56E-03	9.00E-03	9.79E-04	2.78E-04	1.28E-02
3041	479403.24	3850443.52	0.60006	0.28738	0.1499	0.08808	2.43E-03	8.57E-03	9.56E-04	2.78E-04	1.22E-02	2.21E-03	9.26E-09	1.27E-05	7.58E-06	2.23E-03	2.81E-03	8.57E-03	9.56E-04	2.78E-04	1.26E-02
3042	479453.24	3850443.52	0.61257	0.27542	0.1461	0.09023	2.48E-03	8.22E-03	9.32E-04	2.85E-04	1.19E-02	2.25E-03	8.88E-09	1.24E-05	7.77E-06	2.27E-03	2.86E-03	8.22E-03	9.32E-04	2.85E-04	1.23E-02
3043	479503.24	3850443.52	0.6666	0.27325	0.1422	0.09247	2.69E-03	8.15E-03	9.07E-04	2.92E-04	1.20E-02	2.45E-03	8.81E-09	1.21E-05	7.96E-06	2.47E-03	3.12E-03	8.15E-03	9.07E-04	2.92E-04	1.25E-02
3044	480327.18	3850987.04	0.73507	0.27654	0.1286	0.09661	2.97E-03	8.25E-03	8.20E-04	3.05E-04	1.23E-02	2.70E-03	8.91E-09	1.09E-05	8.32E-06	2.72E-03	3.44E-03	8.25E-03	8.20E-04	3.05E-04	1.28E-02
3045	480377.18	3850987.04	0.75764	0.27035	0.119	0.09678	3.06E-03	8.07E-03	7.59E-04	3.06E-04	1.22E-02	2.79E-03	8.71E-09	1.01E-05	8.33E-06	2.80E-03	3.54E-03	8.07E-03	7.59E-04	3.06E-04	1.27E-02
3046	480427.18	3850987.04	0.78129	0.27032	0.1097	0.09876	3.16E-03	8.06E-03	7.00E-04	3.12E-04	1.22E-02	2.87E-03	8.71E-09	9.33E-06	8.50E-06	2.89E-03	3.65E-03	8.06E-03	7.00E-04	3.12E-04	1.27E-02

3047	480477.18	3850987.04	0.8121	0.27344	0.1059	0.10065	3.28E-03	8.16E-03	6.75E-04	3.18E-04	1.24E-02	2.99E-03	8.81E-09	9.01E-06	8.67E-06	3.00E-03	3.80E-03	8.16E-03	6.75E-04	3.18E-04	1.29E-02
3048	480327.18	3851037.04	0.72551	0.28826	0.1374	0.10022	2.93E-03	8.60E-03	8.76E-04	3.16E-04	1.27E-02	2.67E-03	9.29E-09	1.17E-05	8.63E-06	2.69E-03	3.39E-03	8.60E-03	8.76E-04	3.16E-04	1.32E-02
3049	480377.18	3851037.04	0.74531	0.27695	0.1307	0.09712	3.01E-03	8.26E-03	8.34E-04	3.07E-04	1.24E-02	2.74E-03	8.93E-09	1.11E-05	8.36E-06	2.76E-03	3.49E-03	8.26E-03	8.34E-04	3.07E-04	1.29E-02
3050	480427.18	3851037.04	0.76638	0.27082	0.1209	0.09793	3.10E-03	8.08E-03	7.71E-04	3.09E-04	1.23E-02	2.82E-03	8.73E-09	1.03E-05	8.43E-06	2.84E-03	3.58E-03	8.08E-03	7.71E-04	3.09E-04	1.27E-02
3051	480477.18	3851037.04	0.79098	0.27983	0.1115	0.09989	3.20E-03	8.35E-03	7.11E-04	3.15E-04	1.26E-02	2.91E-03	9.02E-09	9.48E-06	8.60E-06	2.93E-03	3.70E-03	8.35E-03	7.11E-04	3.15E-04	1.31E-02
3052	480622.06	3851087.39	0.85459	0.28929	0.1123	0.10433	3.45E-03	8.63E-03	7.16E-04	3.29E-04	1.31E-02	3.14E-03	9.32E-09	9.55E-06	8.98E-06	3.16E-03	4.00E-03	8.63E-03	7.16E-04	3.29E-04	1.37E-02
3053	480672.06	3851087.39	0.86718	0.28181	0.1067	0.10511	3.51E-03	8.41E-03	6.80E-04	3.32E-04	1.29E-02	3.19E-03	9.08E-09	9.07E-06	9.05E-06	3.21E-03	4.06E-03	8.41E-03	6.80E-04	3.32E-04	1.35E-02
3054	480622.06	3851137.39	0.83988	0.30196	0.107	0.1038	3.39E-03	9.01E-03	6.83E-04	3.28E-04	1.34E-02	3.09E-03	9.73E-09	9.10E-06	8.94E-06	3.11E-03	3.93E-03	9.01E-03	6.83E-04	3.28E-04	1.39E-02
3055	480672.06	3851137.39	0.86606	0.29694	0.1129	0.10419	3.50E-03	8.86E-03	7.20E-04	3.29E-04	1.34E-02	3.18E-03	9.57E-09	9.60E-06	8.97E-06	3.20E-03	4.05E-03	8.86E-03	7.20E-04	3.29E-04	1.40E-02
3056	480722.06	3851137.39	0.87899	0.28767	0.1079	0.10473	3.55E-03	8.58E-03	6.88E-04	3.31E-04	1.32E-02	3.23E-03	9.27E-09	9.17E-06	9.02E-06	3.25E-03	4.11E-03	8.58E-03	6.88E-04	3.31E-04	1.37E-02
3057	480622.06	3851187.39	0.8165	0.31157	0.1184	0.1031	3.30E-03	9.30E-03	7.55E-04	3.26E-04	1.37E-02	3.00E-03	1.00E-08	1.01E-05	8.88E-06	3.02E-03	3.82E-03	9.30E-03	7.55E-04	3.26E-04	1.42E-02
3058	480672.06	3851187.39	0.8504	0.31105	0.1089	0.10491	3.44E-03	9.28E-03	6.95E-04	3.31E-04	1.37E-02	3.13E-03	1.00E-08	9.26E-06	9.03E-06	3.14E-03	3.98E-03	9.28E-03	6.95E-04	3.31E-04	1.43E-02
3059	480722.06	3851187.39	0.87738	0.30532	0.1136	0.10405	3.55E-03	9.11E-03	7.24E-04	3.29E-04	1.37E-02	3.23E-03	9.84E-09	9.66E-06	8.96E-06	3.24E-03	4.10E-03	9.11E-03	7.24E-04	3.29E-04	1.43E-02
3060	471363.09	3845877.25	0.15984	0.06028	0.049	0.06002	6.46E-04	1.80E-03	3.13E-04	1.90E-04	2.95E-03	5.88E-04	1.94E-09	4.17E-06	5.17E-06	5.97E-04	7.48E-04	1.80E-03	3.13E-04	1.90E-04	3.05E-03
3061	471863.09	3845877.25	0.13636	0.05498	0.0589	0.05955	5.51E-04	1.64E-03	3.76E-04	1.88E-04	2.76E-03	5.01E-04	1.77E-09	5.01E-06	5.13E-06	5.11E-04	6.38E-04	1.64E-03	3.76E-04	1.88E-04	2.84E-03
3062	472363.09	3845877.25	0.1661	0.06586	0.0702	0.06295	6.71E-04	1.96E-03	4.48E-04	1.99E-04	3.28E-03	6.11E-04	2.12E-09	5.97E-06	5.42E-06	6.22E-04	7.77E-04	1.96E-03	4.48E-04	1.99E-04	3.39E-03
3063	472863.09	3845877.25	0.14258	0.04491	0.0807	0.06488	5.76E-04	1.34E-03	5.15E-04	2.05E-04	2.64E-03	5.24E-04	1.45E-09	6.86E-06	5.59E-06	5.37E-04	6.67E-04	1.34E-03	5.15E-04	2.05E-04	2.73E-03
3064	473363.09	3845877.25	0.14006	0.04947	0.0927	0.05658	5.66E-04	1.48E-03	5.91E-04	1.79E-04	2.81E-03	5.15E-04	1.59E-09	7.88E-06	4.87E-06	5.28E-04	6.55E-04	1.48E-03	5.91E-04	1.79E-04	2.90E-03
3065	473863.09	3845877.25	0.15593	0.05467	0.1047	0.04358	6.30E-04	1.63E-03	6.68E-04	1.38E-04	3.07E-03	5.73E-04	1.76E-09	8.91E-06	3.75E-06	5.86E-04	7.29E-04	1.63E-03	6.68E-04	1.38E-04	3.17E-03
3066	474363.09	3845877.25	0.1939	0.05969	0.088	0.0552	7.84E-04	1.78E-03	5.61E-04	1.74E-04	3.30E-03	7.13E-04	1.92E-09	7.49E-06	4.75E-06	7.25E-04	9.07E-04	1.78E-03	5.61E-04	1.74E-04	3.42E-03
3067	474863.09	3845877.25	0.21001	0.07362	0.0488	0.06133	8.49E-04	2.20E-03	3.11E-04	1.94E-04	3.55E-03	7.72E-04	2.37E-09	4.15E-06	5.28E-06	7.82E-04	9.82E-04	2.20E-03	3.11E-04	1.94E-04	3.68E-03
3068	475363.09	3845877.25	0.33397	0.07729	0.0519	0.05621	1.35E-03	2.31E-03	3.31E-04	1.77E-04	4.16E-03	1.23E-03	2.49E-09	4.41E-06	4.84E-06	1.24E-03	1.56E-03	2.31E-03	3.31E-04	1.77E-04	4.38E-03
3069	475863.09	3845877.25	0.32984	0.07241	0.0895	0.0523	1.33E-03	2.16E-03	5.71E-04	1.65E-04	4.23E-03	1.21E-03	2.33E-09	7.61E-06	4.50E-06	1.22E-03	1.54E-03	2.16E-03	5.71E-04	1.65E-04	4.44E-03
3070	476363.09	3845877.25	0.28515	0.06683	0.0809	0.06107	1.15E-03	1.99E-03	5.16E-04	1.93E-04	3.86E-03	1.05E-03	2.15E-09	6.88E-06	5.26E-06	1.06E-03	1.33E-03	1.99E-03	5.16E-04	1.93E-04	4.04E-03
3071	476863.09	3845877.25	0.30033	0.05255	0.1084	0.06995	1.21E-03	1.57E-03	6.91E-04	2.21E-04	3.69E-03	1.10E-03	1.69E-09	9.21E-06	6.02E-06	1.12E-03	1.40E-03	1.57E-03	6.91E-04	2.21E-04	3.88E-03
3072	477363.09	3845877.25	0.21531	0.05046	0.1301	0.06106	8.70E-04	1.51E-03	8.30E-04	1.93E-04	3.40E-03	7.92E-04	1.63E-09	1.11E-05	5.26E-06	8.08E-04	1.01E-03	1.51E-03	8.30E-04	1.93E-04	3.54E-03
3073	477863.09	3845877.25	0.19675	0.05826	0.1028	0.0587	7.95E-04	1.74E-03	6.56E-04	1.85E-04	3.37E-03	7.23E-04	1.88E-09	8.75E-06	5.05E-06	7.37E-04	9.20E-04	1.74E-03	6.56E-04	1.85E-04	3.50E-03
3074	478363.09	3845877.25	0.17573	0.04904	0.121	0.0524	7.10E-04	1.46E-03	7.72E-04	1.65E-04	3.11E-03	6.46E-04	1.58E-09	1.03E-05	4.51E-06	6.61E-04	8.22E-04	1.46E-03	7.72E-04	1.65E-04	3.22E-03
3075	478863.09	3845877.25	0.13771	0.04192	0.1492	0.05145	5.57E-04	1.25E-03	9.51E-04	1.62E-04	2.92E-03	5.06E-04	1.35E-09	1.27E-05	4.43E-06	5.23E-04	6.44E-04	1.25E-03	9.51E-04	1.62E-04	3.01E-03
3076	479363.09	3845877.25	0.12392	0.03734	0.1233	0.06317	5.01E-04	1.11E-03	7.86E-04	1.99E-04	2.60E-03	4.56E-04	1.20E-09	1.05E-05	5.44E-06	4.72E-04	5.80E-04	1.11E-03	7.86E-04	1.99E-04	2.68E-03
3077	479863.09	3845877.25	0.106	0.03695	0.0844	0.07058	4.28E-04	1.10E-03	5.38E-04	2.23E-04	2.29E-03	3.90E-04	1.19E-09	7.17E-06	6.08E-06	4.03E-04	4.96E-04	1.10E-03	5.38E-04	2.23E-04	2.36E-03
3078	480363.09	3845877.25	0.07597	0.03758	0.0771	0.07205	3.07E-04	1.12E-03	4.92E-04	2.27E-04	2.15E-03	2.79E-04	1.21E-09	6.56E-06	6.20E-06	2.92E-04	3.55E-04	1.12E-03	4.92E-04	2.27E-04	2.20E-03
3079	480863.09	3845877.25	0.06973	0.02686	0.1071	0.06924	2.82E-04	8.01E-04	6.83E-04	2.19E-04	1.99E-03	2.56E-04	8.66E-10	9.11E-06	5.96E-06	2.71E-04	3.26E-04	8.01E-04	6.83E-04	2.19E-04	2.03E-03
3080	481363.09	3845877.25	0.06979	0.02936	0.1213	0.06862	2.82E-04	8.76E-04	7.73E-04	2.17E-04	2.15E-03	2.57E-04	9.46E-10	1.03E-05	5.91E-06	2.73E-04	3.26E-04	8.76E-04	7.73E-04	2.17E-04	2.19E-03
3081	481863.09	3845877.25	0.07178	0.03099	0.1749	0.06313	2.90E-04	9.25E-04	1.12E-03	1.99E-04	2.53E-03	2.64E-04	9.99E-10	1.49E-05	5.44E-06	2.84E-04	3.36E-04	9.25E-04	1.12E-03	1.99E-04	2.58E-03
3082	482363.09	3845877.25	0.0574	0.02283	0.143	0.06026	2.32E-04	6.81E-04	9.12E-04	1.90E-04	2.02E-03	2.11E-04	7.36E-10	1.22E-05	5.19E-06	2.28E-04	2.68E-04	6.81E-04	9.12E-04	1.90E-04	2.05E-03
3083	482863.09	3845877.25	0.04242	0.02252	0.1435	0.06019	1.71E-04	6.72E-04	9.16E-04	1.90E-04	1.95E-03	1.56E-04	7.26E-10	1.22E-05	5.18E-06	1.73E-04	1.98E-04	6.72E-04	9.16E-04	1.90E-04	1.98E-03
3084	483363.09	3845877.25	0.03429	0.02005	0.1683	0.05017	1.39E-04	5.98E-04	1.07E-03	1.58E-04	1.97E-03	1.26E-04	6.46E-10	1.43E-05	4.32E-06	1.45E-04	1.60E-04	5.98E-04	1.07E-03	1.58E-04	1.99E-03
3085	483863.09	3845877.25	0.03684	0.02488	0.1946	0.07301	1.49E-04	7.42E-04	1.24E-03	2.31E-04	2.36E-03	1.35E-04	8.02E-10	1.65E-05	6.29E-06	1.58E-04	1.72E-04	7.42E-04	1.24E-03	2.31E-04	2.39E-03
3086	484363.09	3845877.25	0.03558	0.02376	0.1558	0.07191	1.44E-04	7.09E-04	9.94E-04	2.27E-04	2.07E-03	1.31E-04	7.66E-10	1.32E-05	6.19E-06	1.50E-04	1.66E-04	7.09E-04	9.94E-04	2.27E-04	2.10E-03
3087	484863.09	3845877.25	0.03593	0.0215	0.2902	0.05166	1.45E-04	6.41E-04	1.85E-03	1.63E-04	2.80E-03	1.32E-04	6.93E-10	2.47E-05	4.45E-06	1.61E-04	1.68E-04	6.41E-04	1.85E-03	1.63E-04	2.82E-03
3088	485363.09	3845877.25	0.04852	0.01972	0.2148	0.05499	1.96E-04	5.88E-04	1.37E-03	1.74E-04	2.33E-03	1.78E-04	6.36E-10	1.83E-05	4.74E-06	2.01E-04	2.27E-04	5.88E-04	1.37E-03	1.74E-04	2.36E-03
3089	485863.09	3845877.25	0.04404	0.01959	0.1567	0.05826	1.78E-04	5.84E-04	9.99E-04	1.84E-04	1.95E-03	1.62E-04	6.31E-10	1.33E-05	5.02E-06	1.80E-04	2.06E-04	5.84E-04	9.99E-04	1.84E-04	1.97E-03
3090	486363.09	3845877.25	0.0414	0.01954	0.1251	0.05252	1.67E-04	5.83E-04	7.98E-04	1.66E-04	1.71E-03	1.52E-04	6.30E-10	1.06E-05	4.52E-06	1.67E-04	1.94E-04	5.83E-04	7.98E-04	1.66E-04	1.74E-03
3091	486863.09	3845877.25	0.03282	0.01915	0.0878	0.04687	1.33E-04	5.71E-04	5.60E-04	1.48E-04	1.41E-03	1.21E-04	6.17E-10	7.47E-06	4.04E-06	1.32E-04	1.53E-04	5.71E-04	5.60E-04	1.48E-04	1.43E-03
3092	487363.09	3845877.25	0.03079	0.02269	0.0662	0.04819	1.24E-04	6.77E-04	4.22E-04	1.52E-04	1.38E-03	1.13E-04	7.31E-10	5.63E-06	4.15E-06	1.23E-04	1.44E-04	6.77E-04	4.22E-04	1.52E-04	1.40E-03
3093	487863.09	3845877.25	0.02907	0.01937	0.0636	0.0492	1.18E-04	5.78E-04	4.06E-04	1.55E-04	1.26E-03	1.07E-04	6.24E-10	5.41E-06	4.24E-06	1.17E-04	1.36E-04	5.78E-04	4.06E-04	1.55E-04	1.27E-03
3094	488363.09	3845877.25	0.02509	0.01875	0.0515	0.04035	1.01E-04	5.59E-04	3.28E-04	1.27E-04	1.12E-03	9.22E-05	6.04E-10	4.38E-06	3.47E-06	1.00E-04	1.17E-04	5.59E-04	3.28E-04	1.27E-04	1.13E-03
3095	488863.09	3845877.25	0.02925	0.01701	0.0648	0.0443	1.18E-04	5.07E-04	4.13E-04	1.40E-04	1.18E-03	1.08E-04	5.48E-10	5.51E-06	3.81E-06	1.17E-04	1.37E-04	5.07E-04	4.13E-04	1.40E-04	1.20E-03
3096	489363.09	3845877.25	0.02692	0.01488	0.1539	0.04707	1.09E-04	4.44E-04	9.81E-04	1.49E-04	1.68E-03	9.90E-05	4.80E-10	1.31E-05	4.05E-06	1.16E-04	1.26E-04	4.44E-04	9.81E-04	1.49E-04	1.70E-03
3097	489863.09	3845877.25	0.0247	0.01609	0.2072	0.04286	9.98E-05	4.80E-04	1.32E-03	1.35E-04	2.04E-03	9.08E-05	5.19E-10	1.76E-05	3.69E-06	1.12E-04	1.16E-04	4.80E-04	1.32E-03	1.35E-04	2.05E-03
3098	490363.09	3845877.25	0.02156	0.01395	0.1298	0.03895	8.71E-05	4.16E-04	8.28E-04	1.23E-04	1.45E-03	7.93E-05	4.50E-10	1.10E-05	3.35E-06	9.37E-05	1.01E-04	4.16E-04	8.28E-04	1.23E-04	1.47E-03
3099	490863.09	3845877.25	0.01861	0.01283	0.1026	0.03503	7.52E-05	3.83E-04	6.54E-04	1.11E-04	1.22E-03	6.84E-05	4.14E-10	8.72E-06	3.02E-06	8.02E-05	8.70E-05	3.83E-04	6.54E-04	1.11E-04	1.23E-03
3100	491363.09	3845877.25	0.01919	0.01286	0.0913	0.04182	7.76E-05	3.84E-04	5.82E-04	1.32E-04	1.18E-03	7.06E-05	4.14E-10	7.77E-06	3.60E-06	8.19E-05	8.97E-05	3.84E-04	5.82E-04	1.32E-04	1.19E-03
3101	491863.09	3845877.25	0.0173	0.0134	0.1169	0.04742	6.99E-05	4.00E-04	7.45E-04	1.50E-04	1.36E-03	6.36E-05	4.32E-10	9.94E-06	4.08E-06	7.76E-05	8.09E-05	4.00E-04	7.45E-04	1.50E-04	1.38E-03
3102	492363.09	3845877.25	0.01767	0.01381	0.1043	0.03965	7.14E-05	4.12E-04	6.65E-04	1.25E-04	1.27E-03	6.50E-05	4.45E-10	8.87E-06	3.41E-06	7.72E-05	8.26E-05	4.12E-04	6.65E-04	1.25E-04	1.28E-03
3103	492863.09	3845877.25	0.02031	0.01377	0.1128	0.04795	8.21E-05	4.11E-04	7.19E-04	1.51E-04	1.36E-03	7.47E-05	4.44E-10	9.59E-06	4.13E-06	8.84E-05	9.50E-05	4.11E-04	7.19E-04	1.51E-04	1.38E-03
3104	493363.09	3845877.25	0.02432	0.01387	0.1145	0.04726	9.83E-05	4.14E-04	7.30E-04	1.49E-04	1.39E-03	8.94E-05	4.47E-10	9.74E-06	4.07E-06	1.03E-04	1.14E-04	4.14E-04	7.30E-04	1.49E-04	1.41E-03
3105	493863.09	3845877.25	0.02572	0.01413	0.1086	0.04515	1.04E-04	4.22E-04	6.92E-04	1.43E-04	1.36E-03	9.46E-05	4.55E-10	9.23E-06	3.89E-06	1.08E-04	1.20E-04	4.22E-04	6.92E-04	1.43E-04	1.38E-03
3106	494363.09	3845877.25	0.0298	0.01465	0.0974	0.04288	1.20E-04	4.37E-04	6.21E-04	1.35E-04	1.31E-03	1.10E-04	4.72E-10	8.28E-06	3.69E-06	1.22E-04	1.39E-04	4.37E-04	6.21E-04	1.35E-04	1.33E-03
3107	494863.09	3845877.25	0.02926	0.01517	0.1039	0.04556	1.18E-04	4.53E-04	6.63E-04	1.44E-04	1.38E-03	1.08E-04	4.89E-10	8.84E-06	3.92E-06	1.20E-04	1.37E-04	4.53E-04	6.63E-04	1.44E-04	1.40E-03

3108	495363.09	3845877.25	0.0277	0.01803	0.1171	0.04725	1.12E-04	5.38E-04	7.47E-04	1.49E-04	1.55E-03	1.02E-04	5.81E-10	9.96E-06	4.07E-06	1.16E-04	1.30E-04	5.38E-04	7.47E-04	1.49E-04	1.56E-03
3109	495863.09	3845877.25	0.02812	0.01906	0.1109	0.04474	1.14E-04	5.69E-04	7.07E-04	1.41E-04	1.53E-03	1.03E-04	6.14E-10	9.43E-06	3.85E-06	1.17E-04	1.32E-04	5.69E-04	7.07E-04	1.41E-04	1.55E-03
3110	496363.09	3845877.25	0.02434	0.01984	0.0967	0.04678	9.84E-05	5.92E-04	6.17E-04	1.48E-04	1.45E-03	8.95E-05	6.39E-10	8.22E-06	4.03E-06	1.02E-04	1.14E-04	5.92E-04	6.17E-04	1.48E-04	1.47E-03
3111	496863.09	3845877.25	0.02361	0.01733	0.1263	0.04296	9.54E-05	5.17E-04	8.06E-04	1.36E-04	1.55E-03	8.68E-05	5.59E-10	1.07E-05	3.70E-06	1.01E-04	1.10E-04	5.17E-04	8.06E-04	1.36E-04	1.57E-03
3112	497363.09	3845877.25	0.02354	0.01569	0.1195	0.04321	9.52E-05	4.68E-04	7.62E-04	1.36E-04	1.46E-03	8.65E-05	5.06E-10	1.02E-05	3.72E-06	1.00E-04	1.10E-04	4.68E-04	7.62E-04	1.36E-04	1.48E-03
3113	497863.09	3845877.25	0.02309	0.01485	0.1444	0.04572	9.33E-05	4.43E-04	9.21E-04	1.44E-04	1.60E-03	8.49E-05	4.79E-10	1.23E-05	3.94E-06	1.01E-04	1.08E-04	4.43E-04	9.21E-04	1.44E-04	1.62E-03
3114	498363.09	3845877.25	0.02491	0.01575	0.1912	0.04351	1.01E-04	4.70E-04	1.22E-03	1.37E-04	1.93E-03	9.16E-05	5.08E-10	1.63E-05	3.75E-06	1.12E-04	1.16E-04	4.70E-04	1.22E-03	1.37E-04	1.94E-03
3115	471363.09	3846377.25	0.24491	0.14573	0.0626	0.04873	9.90E-04	4.35E-03	3.99E-04	1.54E-04	5.89E-03	9.00E-04	4.70E-09	5.32E-06	4.20E-06	9.10E-04	1.15E-03	4.35E-03	3.99E-04	1.54E-04	6.05E-03
3116	471863.09	3846377.25	0.21921	0.10667	0.0461	0.05988	8.86E-04	3.18E-03	2.94E-04	1.89E-04	4.55E-03	8.06E-04	3.44E-09	3.92E-06	5.16E-06	8.15E-04	1.03E-03	3.18E-03	2.94E-04	1.89E-04	4.69E-03
3117	472363.09	3846377.25	0.11852	0.05512	0.0588	0.06532	4.79E-04	1.64E-03	3.75E-04	2.06E-04	2.70E-03	4.36E-04	1.78E-09	5.00E-06	5.62E-06	4.46E-04	5.54E-04	1.64E-03	3.75E-04	2.06E-04	2.78E-03
3118	472863.09	3846377.25	0.1281	0.05916	0.0696	0.06421	5.18E-04	1.76E-03	4.44E-04	2.03E-04	2.93E-03	4.71E-04	1.91E-09	5.92E-06	5.53E-06	4.82E-04	5.99E-04	1.76E-03	4.44E-04	2.03E-04	3.01E-03
3119	473363.09	3846377.25	0.16917	0.05307	0.0815	0.06707	6.84E-04	1.58E-03	5.20E-04	2.12E-04	3.00E-03	6.22E-04	1.71E-09	6.93E-06	5.78E-06	6.35E-04	7.91E-04	1.58E-03	5.20E-04	2.12E-04	3.11E-03
3120	473863.09	3846377.25	0.17504	0.06445	0.0941	0.05887	7.08E-04	1.92E-03	6.00E-04	1.86E-04	3.42E-03	6.44E-04	2.08E-09	8.00E-06	5.07E-06	6.57E-04	8.19E-04	1.92E-03	6.00E-04	1.86E-04	3.53E-03
3121	474363.09	3846377.25	0.19355	0.07297	0.1069	0.04583	7.82E-04	2.18E-03	6.82E-04	1.45E-04	3.79E-03	7.12E-04	2.35E-09	9.09E-06	3.95E-06	7.25E-04	9.05E-04	2.18E-03	6.82E-04	1.45E-04	3.91E-03
3122	474863.09	3846377.25	0.22347	0.07703	0.0994	0.05828	9.03E-04	2.30E-03	6.34E-04	1.84E-04	4.02E-03	8.22E-04	2.48E-09	8.46E-06	5.02E-06	8.35E-04	1.05E-03	2.30E-03	6.34E-04	1.84E-04	4.16E-03
3123	475363.09	3846377.25	0.25829	0.0825	0.0555	0.06553	1.04E-03	2.46E-03	3.54E-04	2.07E-04	4.07E-03	9.50E-04	2.66E-09	4.72E-06	5.64E-06	9.60E-04	1.21E-03	2.46E-03	3.54E-04	2.07E-04	4.23E-03
3124	475863.09	3846377.25	0.39234	0.09024	0.0543	0.05886	1.59E-03	2.69E-03	3.46E-04	1.86E-04	4.81E-03	1.44E-03	2.91E-09	4.61E-06	5.07E-06	1.45E-03	1.83E-03	2.69E-03	3.46E-04	1.86E-04	5.06E-03
3125	476363.09	3846377.25	0.35742	0.07589	0.0946	0.05711	1.44E-03	2.26E-03	6.03E-04	1.80E-04	4.49E-03	1.31E-03	2.45E-09	8.05E-06	4.92E-06	1.33E-03	1.67E-03	2.26E-03	6.03E-04	1.80E-04	4.72E-03
3126	476863.09	3846377.25	0.29385	0.06704	0.1017	0.06697	1.19E-03	2.00E-03	6.49E-04	2.11E-04	4.05E-03	1.08E-03	2.16E-09	8.65E-06	5.77E-06	1.09E-03	1.37E-03	2.00E-03	6.49E-04	2.11E-04	4.23E-03
3127	477363.09	3846377.25	0.31332	0.05875	0.1168	0.07022	1.27E-03	1.75E-03	7.45E-04	2.22E-04	3.99E-03	1.15E-03	1.89E-09	9.94E-06	6.05E-06	1.17E-03	1.47E-03	1.75E-03	7.45E-04	2.22E-04	4.18E-03
3128	477863.09	3846377.25	0.20545	0.05651	0.1329	0.06142	8.30E-04	1.69E-03	8.48E-04	1.94E-04	3.56E-03	7.55E-04	1.82E-09	1.13E-05	5.29E-06	7.72E-04	9.61E-04	1.69E-03	8.48E-04	1.94E-04	3.69E-03
3129	478363.09	3846377.25	0.20082	0.06541	0.1033	0.06569	8.12E-04	1.95E-03	6.59E-04	2.07E-04	3.63E-03	7.38E-04	2.11E-09	8.78E-06	5.66E-06	7.53E-04	9.39E-04	1.95E-03	6.59E-04	2.07E-04	3.76E-03
3130	478863.09	3846377.25	0.20168	0.05129	0.1334	0.06233	8.15E-04	1.53E-03	8.51E-04	1.97E-04	3.39E-03	7.41E-04	1.65E-09	1.13E-05	5.37E-06	7.58E-04	9.43E-04	1.53E-03	8.51E-04	1.97E-04	3.52E-03
3131	479363.09	3846377.25	0.15056	0.04589	0.1516	0.05911	6.09E-04	1.37E-03	9.67E-04	1.87E-04	3.13E-03	5.54E-04	1.48E-09	1.29E-05	5.09E-06	5.72E-04	7.04E-04	1.37E-03	9.67E-04	1.87E-04	3.23E-03
3132	479863.09	3846377.25	0.12394	0.04054	0.1341	0.06974	5.01E-04	1.21E-03	8.55E-04	2.20E-04	2.79E-03	4.56E-04	1.31E-09	1.14E-05	6.01E-06	4.73E-04	5.80E-04	1.21E-03	8.55E-04	2.20E-04	2.86E-03
3133	480363.09	3846377.25	0.11691	0.03966	0.0751	0.07287	4.73E-04	1.18E-03	4.79E-04	2.30E-04	2.36E-03	4.30E-04	1.28E-09	6.39E-06	6.27E-06	4.42E-04	5.47E-04	1.18E-03	4.79E-04	2.30E-04	2.44E-03
3134	480863.09	3846377.25	0.08331	0.03408	0.0846	0.07087	3.37E-04	1.02E-03	5.40E-04	2.24E-04	2.12E-03	3.06E-04	1.10E-09	7.19E-06	6.10E-06	3.20E-04	3.90E-04	1.02E-03	5.40E-04	2.24E-04	2.17E-03
3135	481363.09	3846377.25	0.06948	0.03046	0.1003	0.07703	2.81E-04	9.09E-04	6.40E-04	2.43E-04	2.07E-03	2.55E-04	9.82E-10	8.53E-06	6.63E-06	2.71E-04	3.25E-04	9.09E-04	6.40E-04	2.43E-04	2.12E-03
3136	481863.09	3846377.25	0.08064	0.03364	0.1569	0.06489	3.26E-04	1.00E-03	1.00E-03	2.05E-04	2.54E-03	2.96E-04	1.08E-09	1.33E-05	5.59E-06	3.15E-04	3.77E-04	1.00E-03	1.00E-03	2.05E-04	2.59E-03
3137	482363.09	3846377.25	0.07235	0.02791	0.1649	0.06006	2.92E-04	8.33E-04	1.05E-03	1.90E-04	2.37E-03	2.66E-04	9.00E-10	1.40E-05	5.17E-06	2.85E-04	3.38E-04	8.33E-04	1.05E-03	1.90E-04	2.41E-03
3138	482863.09	3846377.25	0.04835	0.0216	0.133	0.0599	1.95E-04	6.44E-04	8.49E-04	1.89E-04	1.88E-03	1.78E-04	6.96E-10	1.13E-05	5.16E-06	1.94E-04	2.26E-04	6.44E-04	8.49E-04	1.89E-04	1.91E-03
3139	483363.09	3846377.25	0.05058	0.02637	0.1583	0.06255	2.04E-04	7.87E-04	1.01E-03	1.97E-04	2.20E-03	1.86E-04	8.50E-10	1.35E-05	5.39E-06	2.05E-04	2.37E-04	7.87E-04	1.01E-03	1.97E-04	2.23E-03
3140	483863.09	3846377.25	0.04106	0.0315	0.2029	0.07744	1.66E-04	9.40E-04	1.29E-03	2.45E-04	2.64E-03	1.51E-04	1.02E-09	1.73E-05	6.67E-06	1.75E-04	1.92E-04	9.40E-04	1.29E-03	2.45E-04	2.67E-03
3141	484363.09	3846377.25	0.03585	0.0244	0.1863	0.07106	1.45E-04	7.28E-04	1.19E-03	2.24E-04	2.29E-03	1.32E-04	7.86E-10	1.58E-05	6.12E-06	1.54E-04	1.68E-04	7.28E-04	1.19E-03	2.24E-04	2.31E-03
3142	484863.09	3846377.25	0.04339	0.02555	0.2695	0.06693	1.75E-04	7.62E-04	1.72E-03	2.11E-04	2.87E-03	1.60E-04	8.23E-10	2.29E-05	5.76E-06	1.88E-04	2.03E-04	7.62E-04	1.72E-03	2.11E-04	2.90E-03
3143	485363.09	3846377.25	0.0563	0.02206	0.2501	0.0583	2.28E-04	6.58E-04	1.60E-03	1.84E-04	2.67E-03	2.07E-04	7.11E-10	2.13E-05	5.02E-06	2.33E-04	2.63E-04	6.58E-04	1.60E-03	1.84E-04	2.70E-03
3144	485863.09	3846377.25	0.0523	0.02084	0.1547	0.0605	2.11E-04	6.22E-04	9.87E-04	1.91E-04	2.01E-03	1.92E-04	6.72E-10	1.32E-05	5.21E-06	2.11E-04	2.45E-04	6.22E-04	9.87E-04	1.91E-04	2.04E-03
3145	486363.09	3846377.25	0.03696	0.01976	0.1448	0.0503	1.49E-04	5.90E-04	9.23E-04	1.59E-04	1.82E-03	1.36E-04	6.37E-10	1.23E-05	4.33E-06	1.53E-04	1.73E-04	5.90E-04	9.23E-04	1.59E-04	1.84E-03
3146	486863.09	3846377.25	0.03302	0.0196	0.091	0.04799	1.33E-04	5.85E-04	5.80E-04	1.52E-04	1.45E-03	1.21E-04	6.32E-10	7.74E-06	4.13E-06	1.33E-04	1.54E-04	5.85E-04	5.80E-04	1.52E-04	1.47E-03
3147	487363.09	3846377.25	0.03158	0.0226	0.0737	0.04781	1.28E-04	6.74E-04	4.70E-04	1.51E-04	1.42E-03	1.16E-04	7.28E-10	6.27E-06	4.12E-06	1.26E-04	1.48E-04	6.74E-04	4.70E-04	1.51E-04	1.44E-03
3148	487863.09	3846377.25	0.03452	0.02172	0.0656	0.05023	1.40E-04	6.48E-04	4.18E-04	1.59E-04	1.36E-03	1.27E-04	7.00E-10	5.58E-06	4.33E-06	1.37E-04	1.61E-04	6.48E-04	4.18E-04	1.59E-04	1.39E-03
3149	488363.09	3846377.25	0.03325	0.0196	0.053	0.04737	1.34E-04	5.85E-04	3.38E-04	1.50E-04	1.21E-03	1.22E-04	6.32E-10	4.50E-06	4.08E-06	1.31E-04	1.55E-04	5.85E-04	3.38E-04	1.50E-04	1.23E-03
3150	488863.09	3846377.25	0.03142	0.01696	0.0923	0.04621	1.27E-04	5.06E-04	5.88E-04	1.46E-04	1.37E-03	1.16E-04	5.47E-10	7.85E-06	3.98E-06	1.27E-04	1.47E-04	5.06E-04	5.88E-04	1.46E-04	1.39E-03
3151	489363.09	3846377.25	0.02697	0.01574	0.1717	0.0466	1.09E-04	4.70E-04	1.10E-03	1.47E-04	1.82E-03	9.92E-05	5.07E-10	1.46E-05	4.01E-06	1.18E-04	1.26E-04	4.70E-04	1.10E-03	1.47E-04	1.84E-03
3152	489863.09	3846377.25	0.02622	0.01755	0.2083	0.04641	1.06E-04	5.24E-04	1.33E-03	1.47E-04	2.10E-03	9.64E-05	5.66E-10	1.77E-05	4.00E-06	1.18E-04	1.23E-04	5.24E-04	1.33E-03	1.47E-04	2.12E-03
3153	490363.09	3846377.25	0.02071	0.01401	0.1238	0.04581	8.37E-05	4.18E-04	7.90E-04	1.45E-04	1.44E-03	7.61E-05	4.52E-10	1.05E-05	3.94E-06	9.06E-05	9.69E-05	4.18E-04	7.90E-04	1.45E-04	1.45E-03
3154	490863.09	3846377.25	0.01979	0.01352	0.0919	0.04013	8.00E-05	4.03E-04	5.86E-04	1.27E-04	1.20E-03	7.28E-05	4.36E-10	7.82E-06	3.46E-06	8.40E-05	9.25E-05	4.03E-04	5.86E-04	1.27E-04	1.21E-03
3155	491363.09	3846377.25	0.01652	0.01285	0.104	0.04001	6.68E-05	3.83E-04	6.64E-04	1.26E-04	1.24E-03	6.07E-05	4.14E-10	8.85E-06	3.45E-06	7.30E-05	7.73E-05	3.83E-04	6.64E-04	1.26E-04	1.25E-03
3156	491863.09	3846377.25	0.01867	0.01428	0.122	0.04847	7.55E-05	4.26E-04	7.78E-04	1.53E-04	1.43E-03	6.86E-05	4.60E-10	1.04E-05	4.17E-06	8.32E-05	8.73E-05	4.26E-04	7.78E-04	1.53E-04	1.44E-03
3157	492363.09	3846377.25	0.02018	0.01502	0.1231	0.04839	8.16E-05	4.48E-04	7.85E-04	1.53E-04	1.47E-03	7.42E-05	4.84E-10	1.05E-05	4.17E-06	8.88E-05	9.44E-05	4.48E-04	7.85E-04	1.53E-04	1.48E-03
3158	492863.09	3846377.25	0.02274	0.01391	0.1258	0.04802	9.19E-05	4.15E-04	8.03E-04	1.52E-04	1.46E-03	8.36E-05	4.48E-10	1.07E-05	4.14E-06	9.84E-05	1.06E-04	4.15E-04	8.03E-04	1.52E-04	1.48E-03
3159	493363.09	3846377.25	0.02711	0.01469	0.1063	0.04732	1.10E-04	4.38E-04	6.78E-04	1.49E-04	1.38E-03	9.97E-05	4.73E-10	9.04E-06	4.07E-06	1.13E-04	1.27E-04	4.38E-04	6.78E-04	1.49E-04	1.39E-03
3160	493863.09	3846377.25	0.03023	0.01498	0.1042	0.04692	1.22E-04	4.47E-04	6.65E-04	1.48E-04	1.38E-03	1.11E-04	4.83E-10	8.86E-06	4.04E-06	1.24E-04	1.41E-04	4.47E-04	6.65E-04	1.48E-04	1.40E-03
3161	494363.09	3846377.25	0.02968	0.01629	0.101	0.04695	1.20E-04	4.86E-04	6.44E-04	1.48E-04	1.40E-03	1.09E-04	5.25E-10	8.59E-06	4.04E-06	1.22E-04	1.39E-04	4.86E-04	6.44E-04	1.48E-04	1.42E-03
3162	494863.09	3846377.25	0.03011	0.01762	0.1137	0.04969	1.22E-04	5.26E-04	7.25E-04	1.57E-04	1.53E-03	1.11E-04	5.68E-10	9.67E-06	4.28E-06	1.25E-04	1.41E-04	5.26E-04	7.25E-04	1.57E-04	1.55E-03
3163	495363.09	3846377.25	0.02992	0.01897	0.1158	0.0455	1.21E-04	5.66E-04	7.38E-04	1.44E-04	1.57E-03	1.10E-04	6.11E-10	9.84E-06	3.92E-06	1.24E-04	1.40E-04	5.66E-04	7.38E-04	1.44E-04	1.59E-03
3164	495863.09	3846377.25	0.02817	0.01903	0.1014	0.0479	1.14E-04	5.68E-04	6.47E-04	1.51E-04	1.48E-03	1.04E-04	6.13E-10	8.62E-06	4.12E-06	1.16E-04	1.32E-04	5.68E-04	6.47E-04	1.51E-04	1.50E-03
3165	496363.09	3846377.25	0.02438	0.01919	0.1283	0.04399	9.85E-05	5.73E-04	8.19E-04	1.39E-04	1.63E-03	8.96E-05	6.19E-10	1.09E-05	3.79E-06	1.04E-04	1.14E-04	5.73E-04	8.19E-04	1.39E-04	1.64E-03
3166	496863.09	3846377.25	0.02475	0.01654	0.1347	0.04745	1.00E-04	4.93E-04	8.59E-04	1.50E-04	1.60E-03	9.10E-05	5.33E-10	1.15E-05	4.09E-06	1.07E-04	1.16E-04	4.93E-04	8.59E-04	1.50E-04	1.62E-03
3167	497363.09	3846377.25	0.02619	0.01528	0.176	0.04738	1.06E-04	4.56E-04	1.12E-03	1.50E-04	1.83E-03	9.63E-05	4.92E-10	1.50E-05	4.08E-06	1.15E-04	1.22E-04	4.56E-04	1.12E-03	1.50E-04	1.85E-03
3168	497863.09	3846377.25	0.02826	0.01604	0.1986	0.04532	1.14E-04	4.79E-04	1.27E-03	1.43E-04	2.00E-03	1.04E-04	5.17E-10	1.69E-05	3.90E-06	1.25E-04	1.32E-04	4.79E-04	1.27E-03	1.43E-04	2.02E-03

3169	498363.09	3846377.25	0.02741	0.01539	0.1992	0.04845	1.11E-04	4.59E-04	1.27E-03	1.53E-04	1.99E-03	1.01E-04	4.96E-10	1.69E-05	4.17E-06	1.22E-04	1.28E-04	4.59E-04	1.27E-03	1.53E-04	2.01E-03
3170	471363.09	3846877.25	0.33157	0.14329	0.0805	0.0608	1.34E-03	4.27E-03	5.14E-04	1.92E-04	6.32E-03	1.22E-03	4.62E-09	6.85E-06	5.24E-06	1.23E-03	1.55E-03	4.27E-03	5.14E-04	1.92E-04	6.53E-03
3171	471863.09	3846877.25	0.25797	0.14619	0.0772	0.04876	1.04E-03	4.36E-03	4.92E-04	1.54E-04	6.05E-03	9.48E-04	4.71E-09	6.57E-06	4.20E-06	9.59E-04	1.21E-03	4.36E-03	4.92E-04	1.54E-04	6.21E-03
3172	472363.09	3846877.25	0.24624	0.1308	0.0545	0.05935	9.95E-04	3.90E-03	3.48E-04	1.87E-04	5.43E-03	9.05E-04	4.22E-09	4.64E-06	5.11E-06	9.15E-04	1.15E-03	3.90E-03	3.48E-04	1.87E-04	5.59E-03
3173	472863.09	3846877.25	0.15783	0.0601	0.0585	0.06965	6.38E-04	1.79E-03	3.73E-04	2.20E-04	3.02E-03	5.80E-04	1.94E-09	4.97E-06	6.00E-06	5.91E-04	7.38E-04	1.79E-03	3.73E-04	2.20E-04	3.12E-03
3174	473363.09	3846877.25	0.15122	0.06647	0.0697	0.0655	6.11E-04	1.98E-03	4.45E-04	2.07E-04	3.25E-03	5.56E-04	2.14E-09	5.93E-06	5.64E-06	5.68E-04	7.07E-04	1.98E-03	4.45E-04	2.07E-04	3.34E-03
3175	473863.09	3846877.25	0.22246	0.0733	0.0821	0.0696	8.99E-04	2.19E-03	5.24E-04	2.20E-04	3.83E-03	8.18E-04	2.36E-09	6.98E-06	5.99E-06	8.31E-04	1.04E-03	2.19E-03	5.24E-04	2.20E-04	3.97E-03
3176	474363.09	3846877.25	0.20308	0.07797	0.0955	0.06253	8.21E-04	2.33E-03	6.09E-04	1.97E-04	3.95E-03	7.47E-04	2.51E-09	8.12E-06	5.38E-06	7.60E-04	9.50E-04	2.33E-03	6.09E-04	1.97E-04	4.08E-03
3177	474863.09	3846877.25	0.23385	0.08829	0.1092	0.04868	9.45E-04	2.63E-03	6.96E-04	1.54E-04	4.43E-03	8.60E-04	2.85E-09	9.29E-06	4.19E-06	8.73E-04	1.09E-03	2.63E-03	6.96E-04	1.54E-04	4.58E-03
3178	475363.09	3846877.25	0.26058	0.07639	0.1071	0.06346	1.05E-03	2.28E-03	6.83E-04	2.00E-04	4.22E-03	9.58E-04	2.46E-09	9.11E-06	5.46E-06	9.73E-04	1.22E-03	2.28E-03	6.83E-04	2.00E-04	4.38E-03
3179	475863.09	3846877.25	0.2834	0.0859	0.0633	0.06928	1.15E-03	2.56E-03	4.03E-04	2.19E-04	4.33E-03	1.04E-03	2.77E-09	5.38E-06	5.97E-06	1.05E-03	1.33E-03	2.56E-03	4.03E-04	2.19E-04	4.51E-03
3180	476363.09	3846877.25	0.42446	0.09653	0.0567	0.06215	1.72E-03	2.88E-03	3.62E-04	1.96E-04	5.15E-03	1.56E-03	3.11E-09	4.82E-06	5.35E-06	1.57E-03	1.99E-03	2.88E-03	3.62E-04	1.96E-04	5.42E-03
3181	476863.09	3846877.25	0.38472	0.08058	0.1001	0.06264	1.56E-03	2.40E-03	6.39E-04	1.98E-04	4.80E-03	1.41E-03	2.60E-09	8.51E-06	5.39E-06	1.43E-03	1.80E-03	2.40E-03	6.39E-04	1.98E-04	5.04E-03
3182	477363.09	3846877.25	0.31298	0.06984	0.1293	0.06933	1.27E-03	2.08E-03	8.25E-04	2.19E-04	4.39E-03	1.15E-03	2.25E-09	1.10E-05	5.97E-06	1.17E-03	1.46E-03	2.08E-03	8.25E-04	2.19E-04	4.59E-03
3183	477863.09	3846877.25	0.35215	0.06044	0.1262	0.07587	1.42E-03	1.80E-03	8.05E-04	2.40E-04	4.27E-03	1.29E-03	1.95E-09	1.07E-05	6.53E-06	1.31E-03	1.65E-03	1.80E-03	8.05E-04	2.40E-04	4.49E-03
3184	478363.09	3846877.25	0.20707	0.06753	0.1353	0.0615	8.37E-04	2.01E-03	8.63E-04	1.94E-04	3.91E-03	7.61E-04	2.18E-09	1.15E-05	5.30E-06	7.78E-04	9.68E-04	2.01E-03	8.63E-04	1.94E-04	4.04E-03
3185	478863.09	3846877.25	0.26925	0.07033	0.1142	0.06681	1.09E-03	2.10E-03	7.28E-04	2.11E-04	4.13E-03	9.90E-04	2.27E-09	9.71E-06	5.75E-06	1.01E-03	1.26E-03	2.10E-03	7.28E-04	2.11E-04	4.30E-03
3186	479363.09	3846877.25	0.20432	0.05542	0.1471	0.07138	8.26E-04	1.65E-03	9.38E-04	2.25E-04	3.64E-03	7.51E-04	1.79E-09	1.25E-05	6.15E-06	7.70E-04	9.56E-04	1.65E-03	9.38E-04	2.25E-04	3.77E-03
3187	479863.09	3846877.25	0.1163	0.03924	0.1194	0.06749	4.70E-04	1.17E-03	7.62E-04	2.13E-04	2.62E-03	4.28E-04	1.26E-09	1.02E-05	5.81E-06	4.44E-04	5.44E-04	1.17E-03	7.62E-04	2.13E-04	2.69E-03
3188	480363.09	3846877.25	0.08961	0.03512	0.1193	0.07358	3.62E-04	1.05E-03	7.61E-04	2.32E-04	2.40E-03	3.29E-04	1.13E-09	1.01E-05	6.34E-06	3.46E-04	4.19E-04	1.05E-03	7.61E-04	2.32E-04	2.46E-03
3189	480863.09	3846877.25	0.08422	0.03351	0.0798	0.07433	3.40E-04	1.00E-03	5.09E-04	2.35E-04	2.08E-03	3.10E-04	1.08E-09	6.79E-06	6.40E-06	3.23E-04	3.94E-04	1.00E-03	5.09E-04	2.35E-04	2.14E-03
3190	481363.09	3846877.25	0.08084	0.0292	0.1026	0.08069	3.27E-04	8.71E-04	6.54E-04	2.55E-04	2.11E-03	2.97E-04	9.41E-10	8.72E-06	6.95E-06	3.13E-04	3.78E-04	8.71E-04	6.54E-04	2.55E-04	2.16E-03
3191	481863.09	3846877.25	0.07763	0.03285	0.1288	0.0683	3.14E-04	9.80E-04	8.22E-04	2.16E-04	2.33E-03	2.85E-04	1.06E-09	1.10E-05	5.88E-06	3.02E-04	3.63E-04	9.80E-04	8.22E-04	2.16E-04	2.38E-03
3192	482363.09	3846877.25	0.07726	0.03135	0.1907	0.06132	3.12E-04	9.35E-04	1.22E-03	1.94E-04	2.66E-03	2.84E-04	1.01E-09	1.62E-05	5.28E-06	3.06E-04	3.61E-04	9.35E-04	1.22E-03	1.94E-04	2.71E-03
3193	482863.09	3846877.25	0.06952	0.02477	0.1519	0.06201	2.81E-04	7.39E-04	9.69E-04	1.96E-04	2.18E-03	2.56E-04	7.98E-10	1.29E-05	5.34E-06	2.74E-04	3.25E-04	7.39E-04	9.69E-04	1.96E-04	2.23E-03
3194	483363.09	3846877.25	0.06312	0.03063	0.1571	0.06248	2.55E-04	9.14E-04	1.00E-03	1.97E-04	2.37E-03	2.32E-04	9.87E-10	1.34E-05	5.38E-06	2.51E-04	2.95E-04	9.14E-04	1.00E-03	1.97E-04	2.41E-03
3195	483863.09	3846877.25	0.04892	0.03357	0.1945	0.0803	1.98E-04	1.00E-03	1.24E-03	2.54E-04	2.69E-03	1.80E-04	1.08E-09	1.65E-05	6.91E-06	2.03E-04	2.29E-04	1.00E-03	1.24E-03	2.54E-04	2.72E-03
3196	484363.09	3846877.25	0.04337	0.03207	0.2002	0.07302	1.75E-04	9.57E-04	1.28E-03	2.31E-04	2.64E-03	1.59E-04	1.03E-09	1.70E-05	6.29E-06	1.83E-04	2.03E-04	9.57E-04	1.28E-03	2.31E-04	2.67E-03
3197	484863.09	3846877.25	0.04776	0.02724	0.2309	0.07382	1.93E-04	8.13E-04	1.47E-03	2.33E-04	2.71E-03	1.76E-04	8.78E-10	1.96E-05	6.36E-06	2.02E-04	2.23E-04	8.13E-04	1.47E-03	2.33E-04	2.74E-03
3198	485363.09	3846877.25	0.05992	0.0238	0.2585	0.06079	2.42E-04	7.10E-04	1.65E-03	1.92E-04	2.79E-03	2.20E-04	7.67E-10	2.20E-05	5.23E-06	2.48E-04	2.80E-04	7.10E-04	1.65E-03	1.92E-04	2.83E-03
3199	485863.09	3846877.25	0.05642	0.02351	0.1711	0.06194	2.28E-04	7.01E-04	1.09E-03	1.96E-04	2.22E-03	2.07E-04	7.58E-10	1.45E-05	5.33E-06	2.27E-04	2.64E-04	7.01E-04	1.09E-03	1.96E-04	2.25E-03
3200	486363.09	3846877.25	0.05138	0.02292	0.1647	0.05547	2.08E-04	6.84E-04	1.05E-03	1.75E-04	2.12E-03	1.89E-04	7.39E-10	1.40E-05	4.78E-06	2.08E-04	2.40E-04	6.84E-04	1.05E-03	1.75E-04	2.15E-03
3201	486863.09	3846877.25	0.04211	0.02295	0.0936	0.05693	1.70E-04	6.85E-04	5.97E-04	1.80E-04	1.63E-03	1.55E-04	7.40E-10	7.96E-06	4.90E-06	1.68E-04	1.97E-04	6.85E-04	5.97E-04	1.80E-04	1.66E-03
3202	487363.09	3846877.25	0.03788	0.02265	0.0989	0.05537	1.53E-04	6.76E-04	6.31E-04	1.75E-04	1.63E-03	1.39E-04	7.30E-10	8.41E-06	4.77E-06	1.52E-04	1.77E-04	6.76E-04	6.31E-04	1.75E-04	1.66E-03
3203	487863.09	3846877.25	0.03758	0.02268	0.0678	0.05133	1.52E-04	6.77E-04	4.32E-04	1.62E-04	1.42E-03	1.38E-04	7.31E-10	5.76E-06	4.42E-06	1.48E-04	1.76E-04	6.77E-04	4.32E-04	1.62E-04	1.45E-03
3204	488363.09	3846877.25	0.03578	0.02044	0.0545	0.05137	1.45E-04	6.10E-04	3.48E-04	1.62E-04	1.26E-03	1.32E-04	6.59E-10	4.63E-06	4.42E-06	1.41E-04	1.67E-04	6.10E-04	3.48E-04	1.62E-04	1.29E-03
3205	488863.09	3846877.25	0.03293	0.01657	0.101	0.04448	1.33E-04	4.94E-04	6.44E-04	1.40E-04	1.41E-03	1.21E-04	5.34E-10	8.59E-06	3.83E-06	1.33E-04	1.54E-04	4.94E-04	6.44E-04	1.40E-04	1.43E-03
3206	489363.09	3846877.25	0.03041	0.01663	0.1919	0.05297	1.23E-04	4.96E-04	1.22E-03	1.67E-04	2.01E-03	1.12E-04	5.36E-10	1.63E-05	4.56E-06	1.33E-04	1.42E-04	4.96E-04	1.22E-03	1.67E-04	2.03E-03
3207	489863.09	3846877.25	0.03051	0.01902	0.209	0.05373	1.23E-04	5.67E-04	1.33E-03	1.70E-04	2.19E-03	1.12E-04	6.13E-10	1.78E-05	4.63E-06	1.35E-04	1.43E-04	5.67E-04	1.33E-03	1.70E-04	2.21E-03
3208	490363.09	3846877.25	0.02229	0.0155	0.1476	0.05694	9.01E-05	4.62E-04	9.41E-04	1.80E-04	1.67E-03	8.19E-05	5.00E-10	1.25E-05	4.90E-06	9.94E-05	1.04E-04	4.62E-04	9.41E-04	1.80E-04	1.69E-03
3209	490863.09	3846877.25	0.02068	0.01488	0.094	0.04729	8.36E-05	4.44E-04	5.99E-04	1.49E-04	1.28E-03	7.60E-05	4.80E-10	7.99E-06	4.07E-06	8.81E-05	9.67E-05	4.44E-04	5.99E-04	1.49E-04	1.29E-03
3210	491363.09	3846877.25	0.01908	0.01539	0.1159	0.05182	7.71E-05	4.59E-04	7.39E-04	1.64E-04	1.44E-03	7.01E-05	4.96E-10	9.86E-06	4.46E-06	8.45E-05	8.92E-05	4.59E-04	7.39E-04	1.64E-04	1.45E-03
3211	491863.09	3846877.25	0.02	0.0147	0.113	0.04855	8.08E-05	4.39E-04	7.21E-04	1.53E-04	1.39E-03	7.35E-05	4.74E-10	9.61E-06	4.18E-06	8.73E-05	9.35E-05	4.39E-04	7.21E-04	1.53E-04	1.41E-03
3212	492363.09	3846877.25	0.02483	0.01458	0.1206	0.0496	1.00E-04	4.35E-04	7.69E-04	1.57E-04	1.46E-03	9.13E-05	4.70E-10	1.03E-05	4.27E-06	1.06E-04	1.16E-04	4.35E-04	7.69E-04	1.57E-04	1.48E-03
3213	492863.09	3846877.25	0.02702	0.01449	0.1374	0.04902	1.09E-04	4.32E-04	8.76E-04	1.55E-04	1.57E-03	9.93E-05	4.67E-10	1.17E-05	4.22E-06	1.15E-04	1.26E-04	4.32E-04	8.76E-04	1.55E-04	1.59E-03
3214	493363.09	3846877.25	0.03031	0.01531	0.1233	0.04753	1.23E-04	4.57E-04	7.87E-04	1.50E-04	1.52E-03	1.11E-04	4.93E-10	1.05E-05	4.09E-06	1.26E-04	1.42E-04	4.57E-04	7.87E-04	1.50E-04	1.54E-03
3215	493863.09	3846877.25	0.03013	0.01581	0.1097	0.04851	1.22E-04	4.72E-04	7.00E-04	1.53E-04	1.45E-03	1.11E-04	5.10E-10	9.33E-06	4.18E-06	1.24E-04	1.41E-04	4.72E-04	7.00E-04	1.53E-04	1.47E-03
3216	494363.09	3846877.25	0.03157	0.01715	0.1118	0.05261	1.28E-04	5.12E-04	7.13E-04	1.66E-04	1.52E-03	1.16E-04	5.53E-10	9.51E-06	4.53E-06	1.30E-04	1.48E-04	5.12E-04	7.13E-04	1.66E-04	1.54E-03
3217	494863.09	3846877.25	0.0317	0.01861	0.1241	0.0463	1.28E-04	5.55E-04	7.91E-04	1.46E-04	1.62E-03	1.17E-04	6.00E-10	1.06E-05	3.99E-06	1.31E-04	1.48E-04	5.55E-04	7.91E-04	1.46E-04	1.64E-03
3218	495363.09	3846877.25	0.02913	0.01821	0.1111	0.0484	1.18E-04	5.43E-04	7.08E-04	1.53E-04	1.52E-03	1.07E-04	5.87E-10	9.45E-06	4.17E-06	1.21E-04	1.36E-04	5.43E-04	7.08E-04	1.53E-04	1.54E-03
3219	495863.09	3846877.25	0.02377	0.01867	0.1229	0.04594	9.61E-05	5.57E-04	7.84E-04	1.45E-04	1.58E-03	8.74E-05	6.02E-10	1.04E-05	3.96E-06	1.02E-04	1.11E-04	5.57E-04	7.84E-04	1.45E-04	1.60E-03
3220	496363.09	3846877.25	0.02382	0.01699	0.1331	0.04866	9.63E-05	5.07E-04	8.49E-04	1.54E-04	1.61E-03	8.76E-05	5.48E-10	1.13E-05	4.19E-06	1.03E-04	1.11E-04	5.07E-04	8.49E-04	1.54E-04	1.62E-03
3221	496863.09	3846877.25	0.02662	0.01518	0.1262	0.04902	1.08E-04	4.53E-04	8.05E-04	1.55E-04	1.52E-03	9.79E-05	4.89E-10	1.07E-05	4.22E-06	1.13E-04	1.24E-04	4.53E-04	8.05E-04	1.55E-04	1.54E-03
3222	497363.09	3846877.25	0.0289	0.0163	0.2061	0.04945	1.17E-04	4.86E-04	1.31E-03	1.56E-04	2.07E-03	1.06E-04	5.25E-10	1.75E-05	4.26E-06	1.28E-04	1.35E-04	4.86E-04	1.31E-03	1.56E-04	2.09E-03
3223	497863.09	3846877.25	0.03263	0.01725	0.234	0.05518	1.32E-04	5.15E-04	1.49E-03	1.74E-04	2.31E-03	1.20E-04	5.56E-10	1.99E-05	4.75E-06	1.45E-04	1.53E-04	5.15E-04	1.49E-03	1.74E-04	2.33E-03
3224	498363.09	3846877.25	0.03419	0.01824	0.2397	0.05572	1.38E-04	5.44E-04	1.53E-03	1.76E-04	2.39E-03	1.26E-04	5.88E-10	2.04E-05	4.80E-06	1.51E-04	1.60E-04	5.44E-04	1.53E-03	1.76E-04	2.41E-03
3225	471363.09	3847377.25	0.28348	0.14776	0.1126	0.05902	1.15E-03	4.41E-03	7.18E-04	1.86E-04	6.46E-03	1.04E-03	4.76E-09	9.58E-06	5.08E-06	1.06E-03	1.33E-03	4.41E-03	7.18E-04	1.86E-04	6.64E-03
3226	471863.09	3847377.25	0.27892	0.13676	0.0947	0.06455	1.13E-03	4.08E-03	6.04E-04	2.04E-04	6.02E-03	1.03E-03	4.41E-09	8.05E-06	5.56E-06	1.04E-03	1.30E-03	4.08E-03	6.04E-04	2.04E-04	6.19E-03
3227	472363.09	3847377.25	0.33668	0.15272	0.0774	0.05282	1.36E-03	4.56E-03	4.94E-04	1.67E-04	6.58E-03	1.24E-03	4.92E-09	6.58E-06	4.55E-06	1.25E-03	1.57E-03	4.56E-03	4.94E-04	1.67E-04	6.79E-03
3228	472863.09	3847377.25	0.27909	0.14048	0.0658	0.05844	1.13E-03	4.19E-03	4.20E-04	1.85E-04	5.92E-03	1.03E-03	4.53E-09	5.60E-06	5.03E-06	1.04E-03	1.31E-03	4.19E-03	4.20E-04	1.85E-04	6.10E-03
3229	473363.09	3847377.25	0.2407	0.09189	0.0562	0.07033	9.73E-04	2.74E-03	3.58E-04	2.22E-04	4.29E-03	8.85E-04	2.96E-09	4.78E-06	6.06E-06	8.96E-04	1.13E-03	2.74E-03	3.58E-04	2.22E-04	4.45E-03

3230	473863.09	3847377.25	0.21448	0.08988	0.0697	0.06681	8.67E-04	2.68E-03	4.45E-04	2.11E-04	4.20E-03	7.89E-04	2.90E-09	5.93E-06	5.75E-06	8.00E-04	1.00E-03	2.68E-03	4.45E-04	2.11E-04	4.34E-03
3231	474363.09	3847377.25	0.26558	0.0946	0.0861	0.07207	1.07E-03	2.82E-03	5.49E-04	2.28E-04	4.67E-03	9.76E-04	3.05E-09	7.32E-06	6.21E-06	9.90E-04	1.24E-03	2.82E-03	5.49E-04	2.28E-04	4.84E-03
3232	474863.09	3847377.25	0.25398	0.08716	0.0969	0.06582	1.03E-03	2.60E-03	6.18E-04	2.08E-04	4.45E-03	9.34E-04	2.81E-09	8.24E-06	5.67E-06	9.48E-04	1.19E-03	2.60E-03	6.18E-04	2.08E-04	4.61E-03
3233	475363.09	3847377.25	0.20192	0.0878	0.1116	0.05175	8.16E-04	2.62E-03	7.12E-04	1.63E-04	4.31E-03	7.42E-04	2.83E-09	9.49E-06	4.46E-06	7.56E-04	9.44E-04	2.62E-03	7.12E-04	1.63E-04	4.44E-03
3234	475863.09	3847377.25	0.31497	0.0921	0.115	0.06596	1.27E-03	2.75E-03	7.34E-04	2.08E-04	4.96E-03	1.16E-03	2.97E-09	9.78E-06	5.68E-06	1.17E-03	1.47E-03	2.75E-03	7.34E-04	2.08E-04	5.16E-03
3235	476363.09	3847377.25	0.32258	0.11178	0.0725	0.0713	1.30E-03	3.33E-03	4.62E-04	2.25E-04	5.33E-03	1.19E-03	3.60E-09	6.16E-06	6.14E-06	1.20E-03	1.51E-03	3.33E-03	4.62E-04	2.25E-04	5.53E-03
3236	476863.09	3847377.25	0.46784	0.11334	0.0593	0.06565	1.89E-03	3.38E-03	3.78E-04	2.07E-04	5.86E-03	1.72E-03	3.65E-09	5.04E-06	5.65E-06	1.73E-03	2.19E-03	3.38E-03	3.78E-04	2.07E-04	6.15E-03
3237	477363.09	3847377.25	0.42725	0.09184	0.1062	0.0693	1.73E-03	2.74E-03	6.78E-04	2.19E-04	5.36E-03	1.57E-03	2.96E-09	9.03E-06	5.97E-06	1.59E-03	2.00E-03	2.74E-03	6.78E-04	2.19E-04	5.63E-03
3238	477863.09	3847377.25	0.35153	0.0688	0.1564	0.07353	1.42E-03	2.05E-03	9.98E-04	2.32E-04	4.70E-03	1.29E-03	2.22E-09	1.33E-05	6.33E-06	1.31E-03	1.64E-03	2.05E-03	9.98E-04	2.32E-04	4.93E-03
3239	478363.09	3847377.25	0.37861	0.07244	0.1366	0.07886	1.53E-03	2.16E-03	8.72E-04	2.49E-04	4.81E-03	1.39E-03	2.33E-09	1.16E-05	6.79E-06	1.41E-03	1.77E-03	2.16E-03	8.72E-04	2.49E-04	5.05E-03
3240	478863.09	3847377.25	0.26887	0.08208	0.1376	0.07138	1.09E-03	2.45E-03	8.78E-04	2.25E-04	4.64E-03	9.89E-04	2.65E-09	1.17E-05	6.15E-06	1.01E-03	1.26E-03	2.45E-03	8.78E-04	2.25E-04	4.81E-03
3241	479363.09	3847377.25	0.24181	0.06078	0.1268	0.07125	9.77E-04	1.81E-03	8.09E-04	2.25E-04	3.82E-03	8.89E-04	1.96E-09	1.08E-05	6.14E-06	9.06E-04	1.13E-03	1.81E-03	8.09E-04	2.25E-04	3.98E-03
3242	479863.09	3847377.25	0.13699	0.0406	0.162	0.06353	5.54E-04	1.21E-03	1.03E-03	2.01E-04	3.00E-03	5.04E-04	1.31E-09	1.38E-05	5.47E-06	5.23E-04	6.41E-04	1.21E-03	1.03E-03	2.01E-04	3.09E-03
3243	480363.09	3847377.25	0.06803	0.03553	0.1369	0.07613	2.75E-04	1.06E-03	8.73E-04	2.40E-04	2.45E-03	2.50E-04	1.15E-09	1.16E-05	6.56E-06	2.68E-04	3.18E-04	1.06E-03	8.73E-04	2.40E-04	2.49E-03
3244	480863.09	3847377.25	0.06318	0.02901	0.1024	0.07854	2.55E-04	8.65E-04	6.53E-04	2.48E-04	2.02E-03	2.32E-04	9.35E-10	8.71E-06	6.76E-06	2.48E-04	2.95E-04	8.65E-04	6.53E-04	2.48E-04	2.06E-03
3245	481363.09	3847377.25	0.06244	0.02987	0.0883	0.07162	2.52E-04	8.91E-04	5.63E-04	2.26E-04	1.93E-03	2.30E-04	9.63E-10	7.51E-06	6.17E-06	2.43E-04	2.92E-04	8.91E-04	5.63E-04	2.26E-04	1.97E-03
3246	481863.09	3847377.25	0.08168	0.03469	0.1197	0.07637	3.30E-04	1.03E-03	7.63E-04	2.41E-04	2.37E-03	3.00E-04	1.12E-09	1.02E-05	6.58E-06	3.17E-04	3.82E-04	1.03E-03	7.63E-04	2.41E-04	2.42E-03
3247	482363.09	3847377.25	0.08721	0.03761	0.1685	0.06767	3.53E-04	1.12E-03	1.07E-03	2.14E-04	2.76E-03	3.21E-04	1.21E-09	1.43E-05	5.83E-06	3.41E-04	4.08E-04	1.12E-03	1.07E-03	2.14E-04	2.82E-03
3248	482863.09	3847377.25	0.07885	0.03431	0.1801	0.06418	3.19E-04	1.02E-03	1.15E-03	2.03E-04	2.69E-03	2.90E-04	1.11E-09	1.53E-05	5.53E-06	3.11E-04	3.69E-04	1.02E-03	1.15E-03	2.03E-04	2.74E-03
3249	483363.09	3847377.25	0.07437	0.03273	0.1623	0.0622	3.01E-04	9.76E-04	1.04E-03	1.96E-04	2.51E-03	2.73E-04	1.05E-09	1.38E-05	5.36E-06	2.93E-04	3.48E-04	9.76E-04	1.04E-03	1.96E-04	2.56E-03
3250	483863.09	3847377.25	0.06198	0.03559	0.205	0.08143	2.51E-04	1.06E-03	1.31E-03	2.57E-04	2.88E-03	2.28E-04	1.15E-09	1.74E-05	7.01E-06	2.52E-04	2.90E-04	1.06E-03	1.31E-03	2.57E-04	2.92E-03
3251	484363.09	3847377.25	0.04857	0.03365	0.2362	0.07636	1.96E-04	1.00E-03	1.51E-03	2.41E-04	2.95E-03	1.79E-04	1.08E-09	2.01E-05	6.58E-06	2.05E-04	2.27E-04	1.00E-03	1.51E-03	2.41E-04	2.98E-03
3252	484863.09	3847377.25	0.05519	0.02775	0.2087	0.07401	2.23E-04	8.28E-04	1.33E-03	2.34E-04	2.62E-03	2.03E-04	8.94E-10	1.78E-05	6.37E-06	2.27E-04	2.58E-04	8.28E-04	1.33E-03	2.34E-04	2.65E-03
3253	485363.09	3847377.25	0.06481	0.02499	0.3269	0.06252	2.62E-04	7.46E-04	2.09E-03	1.97E-04	3.29E-03	2.38E-04	8.05E-10	2.78E-05	5.38E-06	2.71E-04	3.03E-04	7.46E-04	2.09E-03	1.97E-04	3.33E-03
3254	485863.09	3847377.25	0.06373	0.02531	0.2363	0.0632	2.58E-04	7.55E-04	1.51E-03	2.00E-04	2.72E-03	2.34E-04	8.16E-10	2.01E-05	5.44E-06	2.60E-04	2.98E-04	7.55E-04	1.51E-03	2.00E-04	2.76E-03
3255	486363.09	3847377.25	0.05668	0.02428	0.1794	0.06016	2.29E-04	7.24E-04	1.14E-03	1.90E-04	2.29E-03	2.08E-04	7.83E-10	1.53E-05	5.18E-06	2.29E-04	2.65E-04	7.24E-04	1.14E-03	1.90E-04	2.32E-03
3256	486863.09	3847377.25	0.05354	0.02604	0.102	0.05326	2.16E-04	7.77E-04	6.51E-04	1.68E-04	1.81E-03	1.97E-04	8.39E-10	8.67E-06	4.59E-06	2.10E-04	2.50E-04	7.77E-04	6.51E-04	1.68E-04	1.85E-03
3257	487363.09	3847377.25	0.04786	0.025	0.1029	0.05496	1.93E-04	7.46E-04	6.56E-04	1.74E-04	1.77E-03	1.76E-04	8.06E-10	8.75E-06	4.73E-06	1.89E-04	2.24E-04	7.46E-04	6.56E-04	1.74E-04	1.80E-03
3258	487863.09	3847377.25	0.04053	0.0252	0.0701	0.05652	1.64E-04	7.52E-04	4.47E-04	1.78E-04	1.54E-03	1.49E-04	8.12E-10	5.96E-06	4.87E-06	1.60E-04	1.90E-04	7.52E-04	4.47E-04	1.78E-04	1.57E-03
3259	488363.09	3847377.25	0.04485	0.02288	0.0566	0.0511	1.81E-04	6.83E-04	3.61E-04	1.61E-04	1.39E-03	1.65E-04	7.37E-10	4.81E-06	4.40E-06	1.74E-04	2.10E-04	6.83E-04	3.61E-04	1.61E-04	1.41E-03
3260	488863.09	3847377.25	0.0345	0.0217	0.1106	0.04884	1.39E-04	6.47E-04	7.05E-04	1.54E-04	1.65E-03	1.27E-04	6.99E-10	9.41E-06	4.21E-06	1.40E-04	1.61E-04	6.47E-04	7.05E-04	1.54E-04	1.67E-03
3261	489363.09	3847377.25	0.03617	0.0181	0.2148	0.05425	1.46E-04	5.40E-04	1.37E-03	1.71E-04	2.23E-03	1.33E-04	5.83E-10	1.83E-05	4.67E-06	1.56E-04	1.69E-04	5.40E-04	1.37E-03	1.71E-04	2.25E-03
3262	489863.09	3847377.25	0.03117	0.02054	0.2083	0.0621	1.26E-04	6.13E-04	1.33E-03	1.96E-04	2.26E-03	1.15E-04	6.62E-10	1.77E-05	5.35E-06	1.38E-04	1.46E-04	6.13E-04	1.33E-03	1.96E-04	2.28E-03
3263	490363.09	3847377.25	0.02992	0.01618	0.1413	0.05382	1.21E-04	4.83E-04	9.01E-04	1.70E-04	1.67E-03	1.10E-04	5.21E-10	1.20E-05	4.63E-06	1.27E-04	1.40E-04	4.83E-04	9.01E-04	1.70E-04	1.69E-03
3264	490863.09	3847377.25	0.02218	0.01612	0.1048	0.05141	8.97E-05	4.81E-04	6.68E-04	1.62E-04	1.40E-03	8.15E-05	5.20E-10	8.91E-06	4.43E-06	9.49E-05	1.04E-04	4.81E-04	6.68E-04	1.62E-04	1.42E-03
3265	491363.09	3847377.25	0.02655	0.01552	0.1281	0.05567	1.07E-04	4.63E-04	8.17E-04	1.76E-04	1.56E-03	9.76E-05	5.00E-10	1.09E-05	4.79E-06	1.13E-04	1.24E-04	4.63E-04	8.17E-04	1.76E-04	1.58E-03
3266	491863.09	3847377.25	0.03589	0.01587	0.1329	0.05148	1.45E-04	4.73E-04	8.48E-04	1.63E-04	1.63E-03	1.32E-04	5.11E-10	1.13E-05	4.43E-06	1.48E-04	1.68E-04	4.73E-04	8.48E-04	1.63E-04	1.65E-03
3267	492363.09	3847377.25	0.02828	0.01475	0.1464	0.05229	1.14E-04	4.40E-04	9.34E-04	1.65E-04	1.65E-03	1.04E-04	4.75E-10	1.25E-05	4.50E-06	1.21E-04	1.32E-04	4.40E-04	9.34E-04	1.65E-04	1.67E-03
3268	492863.09	3847377.25	0.0304	0.0161	0.1159	0.04959	1.23E-04	4.80E-04	7.39E-04	1.57E-04	1.50E-03	1.12E-04	5.19E-10	9.86E-06	4.27E-06	1.26E-04	1.42E-04	4.80E-04	7.39E-04	1.57E-04	1.52E-03
3269	493363.09	3847377.25	0.0306	0.01604	0.127	0.05064	1.24E-04	4.79E-04	8.10E-04	1.60E-04	1.57E-03	1.13E-04	5.17E-10	1.08E-05	4.36E-06	1.28E-04	1.43E-04	4.79E-04	8.10E-04	1.60E-04	1.59E-03
3270	493863.09	3847377.25	0.0319	0.01663	0.115	0.05403	1.29E-04	4.96E-04	7.33E-04	1.71E-04	1.53E-03	1.17E-04	5.36E-10	9.78E-06	4.65E-06	1.32E-04	1.49E-04	4.96E-04	7.33E-04	1.71E-04	1.55E-03
3271	494363.09	3847377.25	0.03193	0.01816	0.131	0.04828	1.29E-04	5.42E-04	8.36E-04	1.52E-04	1.66E-03	1.17E-04	5.85E-10	1.11E-05	4.16E-06	1.33E-04	1.49E-04	5.42E-04	8.36E-04	1.52E-04	1.68E-03
3272	494863.09	3847377.25	0.03154	0.01777	0.1253	0.04248	1.27E-04	5.30E-04	7.99E-04	1.34E-04	1.59E-03	1.16E-04	5.73E-10	1.07E-05	3.66E-06	1.30E-04	1.48E-04	5.30E-04	7.99E-04	1.34E-04	1.61E-03
3273	495363.09	3847377.25	0.02474	0.01764	0.1167	0.04741	1.00E-04	5.26E-04	7.45E-04	1.50E-04	1.52E-03	9.10E-05	5.69E-10	9.93E-06	4.08E-06	1.05E-04	1.16E-04	5.26E-04	7.45E-04	1.50E-04	1.54E-03
3274	495863.09	3847377.25	0.02369	0.01771	0.1408	0.05076	9.58E-05	5.28E-04	8.98E-04	1.60E-04	1.68E-03	8.71E-05	5.71E-10	1.20E-05	4.37E-06	1.03E-04	1.11E-04	5.28E-04	8.98E-04	1.60E-04	1.70E-03
3275	496363.09	3847377.25	0.02789	0.01538	0.1313	0.0479	1.13E-04	4.59E-04	8.37E-04	1.51E-04	1.56E-03	1.03E-04	4.96E-10	1.12E-05	4.12E-06	1.18E-04	1.30E-04	4.59E-04	8.37E-04	1.51E-04	1.58E-03
3276	496863.09	3847377.25	0.0276	0.01648	0.1778	0.04904	1.12E-04	4.92E-04	1.13E-03	1.55E-04	1.89E-03	1.01E-04	5.31E-10	1.51E-05	4.22E-06	1.21E-04	1.29E-04	4.92E-04	1.13E-03	1.55E-04	1.91E-03
3277	497363.09	3847377.25	0.03375	0.01851	0.2063	0.05535	1.36E-04	5.52E-04	1.32E-03	1.75E-04	2.18E-03	1.24E-04	5.97E-10	1.75E-05	4.77E-06	1.46E-04	1.58E-04	5.52E-04	1.32E-03	1.75E-04	2.20E-03
3278	497863.09	3847377.25	0.03529	0.01937	0.2497	0.05415	1.43E-04	5.78E-04	1.59E-03	1.71E-04	2.48E-03	1.30E-04	6.24E-10	2.12E-05	4.66E-06	1.56E-04	1.65E-04	5.78E-04	1.59E-03	1.71E-04	2.51E-03
3279	498363.09	3847377.25	0.03915	0.01802	0.2518	0.05595	1.58E-04	5.38E-04	1.61E-03	1.77E-04	2.48E-03	1.44E-04	5.81E-10	2.14E-05	4.82E-06	1.70E-04	1.83E-04	5.38E-04	1.61E-03	1.77E-04	2.50E-03
3280	471363.09	3847877.25	0.32314	0.15279	0.0946	0.05553	1.31E-03	4.56E-03	6.03E-04	1.75E-04	6.64E-03	1.19E-03	4.92E-09	8.05E-06	4.78E-06	1.20E-03	1.51E-03	4.56E-03	6.03E-04	1.75E-04	6.85E-03
3281	471863.09	3847877.25	0.29357	0.17231	0.1257	0.0601	1.19E-03	5.14E-03	8.02E-04	1.90E-04	7.32E-03	1.08E-03	5.55E-09	1.07E-05	5.18E-06	1.10E-03	1.37E-03	5.14E-03	8.02E-04	1.90E-04	7.51E-03
3282	472363.09	3847877.25	0.28364	0.14181	0.1111	0.06594	1.15E-03	4.23E-03	7.09E-04	2.08E-04	6.29E-03	1.04E-03	4.57E-09	9.45E-06	5.68E-06	1.06E-03	1.33E-03	4.23E-03	7.09E-04	2.08E-04	6.47E-03
3283	472863.09	3847877.25	0.35918	0.1834	0.0918	0.0618	1.45E-03	5.47E-03	5.86E-04	1.95E-04	7.70E-03	1.32E-03	5.91E-09	7.81E-06	5.32E-06	1.33E-03	1.68E-03	5.47E-03	5.86E-04	1.95E-04	7.93E-03
3284	473363.09	3847877.25	0.28988	0.17221	0.0864	0.05726	1.17E-03	5.14E-03	5.51E-04	1.81E-04	7.04E-03	1.07E-03	5.55E-09	7.34E-06	4.93E-06	1.08E-03	1.36E-03	5.14E-03	5.51E-04	1.81E-04	7.22E-03
3285	473863.09	3847877.25	0.28891	0.14471	0.0577	0.0708	1.17E-03	4.32E-03	3.68E-04	2.24E-04	6.08E-03	1.06E-03	4.66E-09	4.90E-06	6.10E-06	1.07E-03	1.35E-03	4.32E-03	3.68E-04	2.24E-04	6.26E-03
3286	474363.09	3847877.25	0.27021	0.10997	0.0696	0.06811	1.09E-03	3.28E-03	4.44E-04	2.15E-04	5.03E-03	9.93E-04	3.54E-09	5.92E-06	5.86E-06	1.01E-03	1.26E-03	3.28E-03	4.44E-04	2.15E-04	5.20E-03
3287	474863.09	3847877.25	0.24606	0.10957	0.0844	0.07454	9.95E-04	3.27E-03	5.38E-04	2.35E-04	5.04E-03	9.05E-04	3.53E-09	7.17E-06	6.42E-06	9.18E-04	1.15E-03	3.27E-03	5.38E-04	2.35E-04	5.19E-03
3288	475363.09	3847877.25	0.2728	0.09574	0.0983	0.06936	1.10E-03	2.86E-03	6.27E-04	2.19E-04	4.80E-03	1.00E-03	3.09E-09	8.36E-06	5.97E-06	1.02E-03	1.28E-03	2.86E-03	6.27E-04	2.19E-04	4.98E-03
3289	475863.09	3847877.25	0.22857	0.09546	0.114	0.05537	9.24E-04	2.85E-03	7.27E-04	1.75E-04	4.67E-03	8.40E-04	3.08E-09	9.70E-06	4.77E-06	8.55E-04	1.07E-03	2.85E-03	7.27E-04	1.75E-04	4.82E-03
3290	476363.09	3847877.25	0.38219	0.12042	0.1234	0.06917	1.54E-03	3.59E-03	7.87E-04	2.18E-04	6.14E-03	1.41E-03	3.88E-09	1.05E-05	5.96E-06	1.42E-03	1.79E-03	3.59E-03	7.87E-04	2.18E-04	6.39E-03

3291	476863.09	3847877.25	0.33523	0.12223	0.0829	0.07338	1.36E-03	3.65E-03	5.29E-04	2.32E-04	5.76E-03	1.23E-03	3.94E-09	7.05E-06	6.32E-06	1.25E-03	1.57E-03	3.65E-03	5.29E-04	2.32E-04	5.97E-03
3292	477363.09	3847877.25	0.53414	0.1245	0.0621	0.06934	2.16E-03	3.71E-03	3.96E-04	2.19E-04	6.49E-03	1.96E-03	4.01E-09	5.28E-06	5.97E-06	1.98E-03	2.50E-03	3.71E-03	3.96E-04	2.19E-04	6.83E-03
3293	477863.09	3847877.25	0.47159	0.10732	0.1129	0.07389	1.91E-03	3.20E-03	7.20E-04	2.33E-04	6.06E-03	1.73E-03	3.46E-09	9.60E-06	6.36E-06	1.75E-03	2.21E-03	3.20E-03	7.20E-04	2.33E-04	6.36E-03
3294	478363.09	3847877.25	0.44699	0.07977	0.1627	0.07928	1.81E-03	2.38E-03	1.04E-03	2.50E-04	5.47E-03	1.64E-03	2.57E-09	1.38E-05	6.83E-06	1.66E-03	2.09E-03	2.38E-03	1.04E-03	2.50E-04	5.76E-03
3295	478863.09	3847877.25	0.39759	0.08029	0.1485	0.07895	1.61E-03	2.40E-03	9.47E-04	2.49E-04	5.20E-03	1.46E-03	2.59E-09	1.26E-05	6.80E-06	1.48E-03	1.86E-03	2.40E-03	9.47E-04	2.49E-04	5.45E-03
3296	479363.09	3847877.25	0.20409	0.0714	0.1396	0.07119	8.25E-04	2.13E-03	8.90E-04	2.25E-04	4.07E-03	7.50E-04	2.30E-09	1.19E-05	6.13E-06	7.68E-04	9.54E-04	2.13E-03	8.90E-04	2.25E-04	4.20E-03
3297	479863.09	3847877.25	0.0907	0.03521	0.1316	0.06753	3.67E-04	1.05E-03	8.39E-04	2.13E-04	2.47E-03	3.33E-04	1.13E-09	1.12E-05	5.82E-06	3.50E-04	4.24E-04	1.05E-03	8.39E-04	2.13E-04	2.53E-03
3298	480363.09	3847877.25	0.10318	0.03741	0.1129	0.07212	4.17E-04	1.12E-03	7.20E-04	2.28E-04	2.48E-03	3.79E-04	1.21E-09	9.60E-06	6.21E-06	3.95E-04	4.83E-04	1.12E-03	7.20E-04	2.28E-04	2.55E-03
3299	480863.09	3847877.25	0.07371	0.03215	0.159	0.0762	2.98E-04	9.59E-04	1.01E-03	2.41E-04	2.51E-03	2.71E-04	1.04E-09	1.35E-05	6.56E-06	2.91E-04	3.45E-04	9.59E-04	1.01E-03	2.41E-04	2.56E-03
3300	481363.09	3847877.25	0.08737	0.03305	0.0875	0.07652	3.53E-04	9.86E-04	5.58E-04	2.42E-04	2.14E-03	3.21E-04	1.07E-09	7.44E-06	6.59E-06	3.35E-04	4.09E-04	9.86E-04	5.58E-04	2.42E-04	2.19E-03
3301	481863.09	3847877.25	0.09525	0.03708	0.128	0.08511	3.85E-04	1.11E-03	8.16E-04	2.69E-04	2.58E-03	3.50E-04	1.20E-09	1.09E-05	7.33E-06	3.68E-04	4.45E-04	1.11E-03	8.16E-04	2.69E-04	2.64E-03
3302	482363.09	3847877.25	0.09615	0.04081	0.1354	0.07023	3.89E-04	1.22E-03	8.64E-04	2.22E-04	2.69E-03	3.53E-04	1.32E-09	1.15E-05	6.05E-06	3.71E-04	4.50E-04	1.22E-03	8.64E-04	2.22E-04	2.75E-03
3303	482863.09	3847877.25	0.08944	0.03623	0.2094	0.06637	3.62E-04	1.08E-03	1.34E-03	2.10E-04	2.99E-03	3.29E-04	1.17E-09	1.78E-05	5.72E-06	3.52E-04	4.18E-04	1.08E-03	1.34E-03	2.10E-04	3.04E-03
3304	483363.09	3847877.25	0.084	0.03826	0.1654	0.06065	3.40E-04	1.14E-03	1.05E-03	1.91E-04	2.73E-03	3.09E-04	1.23E-09	1.41E-05	5.22E-06	3.28E-04	3.93E-04	1.14E-03	1.05E-03	1.91E-04	2.78E-03
3305	483863.09	3847877.25	0.06695	0.03765	0.1714	0.083	2.71E-04	1.12E-03	1.09E-03	2.62E-04	2.75E-03	2.46E-04	1.21E-09	1.46E-05	7.15E-06	2.68E-04	3.13E-04	1.12E-03	1.09E-03	2.62E-04	2.79E-03
3306	484363.09	3847877.25	0.05549	0.03635	0.2594	0.09531	2.24E-04	1.08E-03	1.65E-03	3.01E-04	3.26E-03	2.04E-04	1.17E-09	2.21E-05	8.21E-06	2.34E-04	2.60E-04	1.08E-03	1.65E-03	3.01E-04	3.30E-03
3307	484863.09	3847877.25	0.06313	0.03045	0.255	0.09007	2.55E-04	9.08E-04	1.63E-03	2.84E-04	3.07E-03	2.32E-04	9.81E-10	2.17E-05	7.76E-06	2.62E-04	2.95E-04	9.08E-04	1.63E-03	2.84E-04	3.11E-03
3308	485363.09	3847877.25	0.07161	0.02641	0.3151	0.07108	2.89E-04	7.88E-04	2.01E-03	2.24E-04	3.31E-03	2.63E-04	8.51E-10	2.68E-05	6.12E-06	2.96E-04	3.35E-04	7.88E-04	2.01E-03	2.24E-04	3.36E-03
3309	485863.09	3847877.25	0.07048	0.02692	0.2841	0.06662	2.85E-04	8.03E-04	1.81E-03	2.10E-04	3.11E-03	2.59E-04	8.68E-10	2.42E-05	5.74E-06	2.89E-04	3.30E-04	8.03E-04	1.81E-03	2.10E-04	3.16E-03
3310	486363.09	3847877.25	0.06007	0.02528	0.2079	0.06264	2.43E-04	7.54E-04	1.33E-03	1.98E-04	2.52E-03	2.21E-04	8.15E-10	1.77E-05	5.39E-06	2.44E-04	2.81E-04	7.54E-04	1.33E-03	1.98E-04	2.56E-03
3311	486863.09	3847877.25	0.05383	0.02862	0.1173	0.05735	2.18E-04	8.54E-04	7.48E-04	1.81E-04	2.00E-03	1.98E-04	9.22E-10	9.97E-06	4.94E-06	2.13E-04	2.52E-04	8.54E-04	7.48E-04	1.81E-04	2.03E-03
3312	487363.09	3847877.25	0.0523	0.03027	0.1059	0.06005	2.11E-04	9.03E-04	6.75E-04	1.90E-04	1.98E-03	1.92E-04	9.76E-10	9.01E-06	5.17E-06	2.06E-04	2.45E-04	9.03E-04	6.75E-04	1.90E-04	2.01E-03
3313	487863.09	3847877.25	0.04757	0.02577	0.0779	0.05611	1.92E-04	7.69E-04	4.97E-04	1.77E-04	1.64E-03	1.75E-04	8.31E-10	6.62E-06	4.83E-06	1.86E-04	2.22E-04	7.69E-04	4.97E-04	1.77E-04	1.67E-03
3314	488363.09	3847877.25	0.04866	0.02605	0.0602	0.06586	1.97E-04	7.77E-04	3.84E-04	2.08E-04	1.57E-03	1.79E-04	8.40E-10	5.12E-06	5.67E-06	1.90E-04	2.28E-04	7.77E-04	3.84E-04	2.08E-04	1.60E-03
3315	488863.09	3847877.25	0.04643	0.02858	0.1215	0.04996	1.88E-04	8.53E-04	7.75E-04	1.58E-04	1.97E-03	1.71E-04	9.21E-10	1.03E-05	4.30E-06	1.85E-04	2.17E-04	8.53E-04	7.75E-04	1.58E-04	2.00E-03
3316	489363.09	3847877.25	0.04042	0.02077	0.2413	0.05912	1.63E-04	6.20E-04	1.54E-03	1.87E-04	2.51E-03	1.49E-04	6.69E-10	2.05E-05	5.09E-06	1.74E-04	1.89E-04	6.20E-04	1.54E-03	1.87E-04	2.53E-03
3317	489863.09	3847877.25	0.03455	0.02363	0.2199	0.06366	1.40E-04	7.05E-04	1.40E-03	2.01E-04	2.45E-03	1.27E-04	7.62E-10	1.87E-05	5.48E-06	1.51E-04	1.62E-04	7.05E-04	1.40E-03	2.01E-04	2.47E-03
3318	490363.09	3847877.25	0.03428	0.02087	0.2355	0.06597	1.39E-04	6.23E-04	1.50E-03	2.08E-04	2.47E-03	1.26E-04	6.73E-10	2.00E-05	5.68E-06	1.52E-04	1.60E-04	6.23E-04	1.50E-03	2.08E-04	2.49E-03
3319	490863.09	3847877.25	0.03406	0.02043	0.123	0.05535	1.38E-04	6.09E-04	7.84E-04	1.75E-04	1.71E-03	1.25E-04	6.58E-10	1.05E-05	4.77E-06	1.40E-04	1.59E-04	6.09E-04	7.84E-04	1.75E-04	1.73E-03
3320	491363.09	3847877.25	0.0368	0.0192	0.1383	0.05749	1.49E-04	5.73E-04	8.82E-04	1.82E-04	1.79E-03	1.35E-04	6.19E-10	1.18E-05	4.95E-06	1.52E-04	1.72E-04	5.73E-04	8.82E-04	1.82E-04	1.81E-03
3321	491863.09	3847877.25	0.03591	0.01781	0.1347	0.05701	1.45E-04	5.31E-04	8.59E-04	1.80E-04	1.72E-03	1.32E-04	5.74E-10	1.15E-05	4.91E-06	1.48E-04	1.68E-04	5.31E-04	8.59E-04	1.80E-04	1.74E-03
3322	492363.09	3847877.25	0.03706	0.01724	0.167	0.05773	1.50E-04	5.14E-04	1.07E-03	1.82E-04	1.91E-03	1.36E-04	5.56E-10	1.42E-05	4.97E-06	1.55E-04	1.73E-04	5.14E-04	1.07E-03	1.82E-04	1.94E-03
3323	492863.09	3847877.25	0.0357	0.01836	0.1376	0.05519	1.44E-04	5.48E-04	8.78E-04	1.74E-04	1.74E-03	1.31E-04	5.92E-10	1.17E-05	4.75E-06	1.48E-04	1.67E-04	5.48E-04	8.78E-04	1.74E-04	1.77E-03
3324	493363.09	3847877.25	0.03224	0.01607	0.1181	0.05536	1.30E-04	4.79E-04	7.53E-04	1.75E-04	1.54E-03	1.19E-04	5.18E-10	1.00E-05	4.77E-06	1.33E-04	1.51E-04	4.79E-04	7.53E-04	1.75E-04	1.56E-03
3325	493863.09	3847877.25	0.0286	0.01765	0.1183	0.04938	1.16E-04	5.27E-04	7.54E-04	1.56E-04	1.55E-03	1.05E-04	5.69E-10	1.01E-05	4.25E-06	1.19E-04	1.34E-04	5.27E-04	7.54E-04	1.56E-04	1.57E-03
3326	494363.09	3847877.25	0.02408	0.01793	0.1314	0.04246	9.73E-05	5.35E-04	8.38E-04	1.34E-04	1.60E-03	8.85E-05	5.78E-10	1.12E-05	3.66E-06	1.03E-04	1.13E-04	5.35E-04	8.38E-04	1.34E-04	1.62E-03
3327	494863.09	3847877.25	0.02257	0.01658	0.1142	0.04861	9.12E-05	4.95E-04	7.28E-04	1.53E-04	1.47E-03	8.30E-05	5.34E-10	9.71E-06	4.19E-06	9.69E-05	1.06E-04	4.95E-04	7.28E-04	1.53E-04	1.48E-03
3328	495363.09	3847877.25	0.02382	0.01798	0.1489	0.04705	9.63E-05	5.36E-04	9.50E-04	1.49E-04	1.73E-03	8.76E-05	5.80E-10	1.27E-05	4.05E-06	1.04E-04	1.11E-04	5.36E-04	9.50E-04	1.49E-04	1.75E-03
3329	495863.09	3847877.25	0.02324	0.01523	0.1482	0.04653	9.39E-05	4.54E-04	9.45E-04	1.47E-04	1.64E-03	8.54E-05	4.91E-10	1.26E-05	4.01E-06	1.02E-04	1.09E-04	4.54E-04	9.45E-04	1.47E-04	1.66E-03
3330	496363.09	3847877.25	0.02607	0.01675	0.1652	0.05095	1.05E-04	5.00E-04	1.05E-03	1.61E-04	1.82E-03	9.58E-05	5.40E-10	1.40E-05	4.39E-06	1.14E-04	1.22E-04	5.00E-04	1.05E-03	1.61E-04	1.84E-03
3331	496863.09	3847877.25	0.03275	0.01947	0.2091	0.04858	1.32E-04	5.81E-04	1.33E-03	1.53E-04	2.20E-03	1.20E-04	6.28E-10	1.78E-05	4.18E-06	1.42E-04	1.53E-04	5.81E-04	1.33E-03	1.53E-04	2.22E-03
3332	497363.09	3847877.25	0.03489	0.0203	0.2386	0.05089	1.41E-04	6.06E-04	1.52E-03	1.61E-04	2.43E-03	1.28E-04	6.54E-10	2.03E-05	4.38E-06	1.53E-04	1.63E-04	6.06E-04	1.52E-03	1.61E-04	2.45E-03
3333	497863.09	3847877.25	0.0407	0.01948	0.2675	0.05526	1.65E-04	5.81E-04	1.71E-03	1.74E-04	2.63E-03	1.50E-04	6.28E-10	2.27E-05	4.76E-06	1.77E-04	1.90E-04	5.81E-04	1.71E-03	1.74E-04	2.65E-03
3334	498363.09	3847877.25	0.04345	0.01945	0.2617	0.05819	1.76E-04	5.80E-04	1.67E-03	1.84E-04	2.61E-03	1.60E-04	6.27E-10	2.23E-05	5.01E-06	1.87E-04	2.03E-04	5.80E-04	1.67E-03	1.84E-04	2.64E-03
3335	471363.09	3848377.25	0.2665	0.16747	0.0744	0.05839	1.08E-03	5.00E-03	4.74E-04	1.84E-04	6.73E-03	9.80E-04	5.40E-09	6.32E-06	5.03E-06	9.91E-04	1.25E-03	5.00E-03	4.74E-04	1.84E-04	6.90E-03
3336	471863.09	3848377.25	0.32317	0.16017	0.0856	0.05846	1.31E-03	4.78E-03	5.46E-04	1.85E-04	6.82E-03	1.19E-03	5.16E-09	7.28E-06	5.03E-06	1.20E-03	1.51E-03	4.78E-03	5.46E-04	1.85E-04	7.02E-03
3337	472363.09	3848377.25	0.32267	0.17454	0.1145	0.06124	1.30E-03	5.21E-03	7.30E-04	1.93E-04	7.43E-03	1.19E-03	5.63E-09	9.73E-06	5.27E-06	1.20E-03	1.51E-03	5.21E-03	7.30E-04	1.93E-04	7.64E-03
3338	472863.09	3848377.25	0.33553	0.16676	0.1299	0.06836	1.36E-03	4.98E-03	8.28E-04	2.16E-04	7.38E-03	1.23E-03	5.37E-09	1.10E-05	5.89E-06	1.25E-03	1.57E-03	4.98E-03	8.28E-04	2.16E-04	7.59E-03
3339	473363.09	3848377.25	0.30767	0.1775	0.1088	0.07221	1.24E-03	5.30E-03	6.94E-04	2.28E-04	7.46E-03	1.13E-03	5.72E-09	9.25E-06	6.22E-06	1.15E-03	1.44E-03	5.30E-03	6.94E-04	2.28E-04	7.66E-03
3340	473863.09	3848377.25	0.38535	0.19728	0.0882	0.05557	1.56E-03	5.89E-03	5.63E-04	1.75E-04	8.18E-03	1.42E-03	6.36E-09	7.50E-06	4.79E-06	1.43E-03	1.80E-03	5.89E-03	5.63E-04	1.75E-04	8.43E-03
3341	474363.09	3848377.25	0.33848	0.16181	0.0699	0.07077	1.37E-03	4.83E-03	4.46E-04	2.23E-04	6.86E-03	1.24E-03	5.22E-09	5.94E-06	6.09E-06	1.26E-03	1.58E-03	4.83E-03	4.46E-04	2.23E-04	7.08E-03
3342	474863.09	3848377.25	0.33799	0.13813	0.0694	0.07126	1.37E-03	4.12E-03	4.43E-04	2.25E-04	6.15E-03	1.24E-03	4.45E-09	5.90E-06	6.14E-06	1.25E-03	1.58E-03	4.12E-03	4.43E-04	2.25E-04	6.37E-03
3343	475363.09	3848377.25	0.25015	0.15217	0.0836	0.07715	1.01E-03	4.54E-03	5.33E-04	2.44E-04	6.33E-03	9.20E-04	4.90E-09	7.11E-06	6.64E-06	9.33E-04	1.17E-03	4.54E-03	5.33E-04	2.44E-04	6.49E-03
3344	475863.09	3848377.25	0.32277	0.12388	0.0995	0.07323	1.30E-03	3.70E-03	6.35E-04	2.31E-04	5.87E-03	1.19E-03	3.99E-09	8.46E-06	6.31E-06	1.20E-03	1.51E-03	3.70E-03	6.35E-04	2.31E-04	6.07E-03
3345	476363.09	3848377.25	0.27303	0.10788	0.1165	0.05943	1.10E-03	3.22E-03	7.43E-04	1.88E-04	5.25E-03	1.00E-03	3.48E-09	9.90E-06	5.12E-06	1.02E-03	1.28E-03	3.22E-03	7.43E-04	1.88E-04	5.43E-03
3346	476863.09	3848377.25	0.46001	0.14328	0.1323	0.07352	1.86E-03	4.27E-03	8.44E-04	2.32E-04	7.21E-03	1.69E-03	4.62E-09	1.13E-05	6.33E-06	1.71E-03	2.15E-03	4.27E-03	8.44E-04	2.32E-04	7.50E-03
3347	477363.09	3848377.25	0.39722	0.13036	0.095	0.07553	1.61E-03	3.89E-03	6.06E-04	2.38E-04	6.34E-03	1.46E-03	4.20E-09	8.08E-06	6.50E-06	1.47E-03	1.86E-03	3.89E-03	6.06E-04	2.38E-04	6.59E-03
3348	477863.09	3848377.25	0.58585	0.13202	0.068	0.07302	2.37E-03	3.94E-03	4.34E-04	2.31E-04	6.97E-03	2.15E-03	4.26E-09	5.78E-06	6.29E-06	2.17E-03	2.74E-03	3.94E-03	4.34E-04	2.31E-04	7.34E-03
3349	478363.09	3848377.25	0.53902	0.10434	0.12	0.07708	2.18E-03	3.11E-03	7.66E-04	2.43E-04	6.30E-03	1.98E-03	3.36E-09	1.02E-05	6.64E-06	2.00E-03	2.52E-03	3.11E-03	7.66E-04	2.43E-04	6.64E-03
3350	478863.09	3848377.25	0.49684	0.07784	0.1697	0.08445	2.01E-03	2.32E-03	1.08E-03	2.67E-04	5.68E-03	1.83E-03	2.51E-09	1.44E-05	7.27E-06	1.85E-03	2.32E-03	2.32E-03	1.08E-03	2.67E-04	5.99E-03
3351	479363.09	3848377.25	0.25151	0.06909	0.1607	0.07738	1.02E-03	2.06E-03	1.02E-03	2.44E-04	4.35E-03	9.25E-04	2.23E-09	1.37E-05	6.66E-06	9.45E-04	1.18E-03	2.06E-03	1.02E-03	2.44E-04	4.51E-03

3352	479863.09	3848377.25	0.08046	0.02883	0.1145	0.06793	3.25E-04	8.60E-04	7.30E-04	2.14E-04	2.13E-03	2.96E-04	9.29E-10	9.74E-06	5.85E-06	3.11E-04	3.76E-04	8.60E-04	7.30E-04	2.14E-04	2.18E-03
3353	480363.09	3848377.25	0.10255	0.03652	0.1346	0.06871	4.15E-04	1.09E-03	8.58E-04	2.17E-04	2.58E-03	3.77E-04	1.18E-09	1.14E-05	5.92E-06	3.94E-04	4.80E-04	1.09E-03	8.58E-04	2.17E-04	2.64E-03
3354	480863.09	3848377.25	0.13102	0.0445	0.1909	0.08179	5.30E-04	1.33E-03	1.22E-03	2.58E-04	3.33E-03	4.82E-04	1.43E-09	1.62E-05	7.04E-06	5.05E-04	6.13E-04	1.33E-03	1.22E-03	2.58E-04	3.42E-03
3355	481363.09	3848377.25	0.12263	0.04464	0.1506	0.08139	4.96E-04	1.33E-03	9.61E-04	2.57E-04	3.04E-03	4.51E-04	1.44E-09	1.28E-05	7.01E-06	4.71E-04	5.73E-04	1.33E-03	9.61E-04	2.57E-04	3.12E-03
3356	481863.09	3848377.25	0.10861	0.03796	0.1057	0.08176	4.39E-04	1.13E-03	6.74E-04	2.58E-04	2.50E-03	3.99E-04	1.22E-09	8.99E-06	7.04E-06	4.15E-04	5.08E-04	1.13E-03	6.74E-04	2.58E-04	2.57E-03
3357	482363.09	3848377.25	0.12464	0.04219	0.1503	0.07046	5.04E-04	1.26E-03	9.59E-04	2.22E-04	2.94E-03	4.58E-04	1.36E-09	1.28E-05	6.07E-06	4.77E-04	5.83E-04	1.26E-03	9.59E-04	2.22E-04	3.02E-03
3358	482863.09	3848377.25	0.10036	0.04216	0.1805	0.06855	4.06E-04	1.26E-03	1.15E-03	2.16E-04	3.03E-03	3.69E-04	1.36E-09	1.53E-05	5.90E-06	3.90E-04	4.69E-04	1.26E-03	1.15E-03	2.16E-04	3.09E-03
3359	483363.09	3848377.25	0.08989	0.04201	0.1977	0.06024	3.63E-04	1.25E-03	1.26E-03	1.90E-04	3.07E-03	3.30E-04	1.35E-09	1.68E-05	5.19E-06	3.52E-04	4.20E-04	1.25E-03	1.26E-03	1.90E-04	3.12E-03
3360	483863.09	3848377.25	0.06973	0.03796	0.1653	0.0764	2.82E-04	1.13E-03	1.05E-03	2.41E-04	2.71E-03	2.56E-04	1.22E-09	1.41E-05	6.58E-06	2.77E-04	3.26E-04	1.13E-03	1.05E-03	2.41E-04	2.75E-03
3361	484363.09	3848377.25	0.06116	0.0375	0.2369	0.09551	2.47E-04	1.12E-03	1.51E-03	3.02E-04	3.18E-03	2.25E-04	1.21E-09	2.01E-05	8.22E-06	2.53E-04	2.86E-04	1.12E-03	1.51E-03	3.02E-04	3.22E-03
3362	484863.09	3848377.25	0.07222	0.03853	0.3028	0.09307	2.92E-04	1.15E-03	1.93E-03	2.94E-04	3.67E-03	2.66E-04	1.24E-09	2.58E-05	8.01E-06	2.99E-04	3.38E-04	1.15E-03	1.93E-03	2.94E-04	3.71E-03
3363	485363.09	3848377.25	0.07754	0.02749	0.3307	0.07809	3.13E-04	8.20E-04	2.11E-03	2.47E-04	3.49E-03	2.85E-04	8.86E-10	2.81E-05	6.72E-06	3.20E-04	3.63E-04	8.20E-04	2.11E-03	2.47E-04	3.54E-03
3364	485863.09	3848377.25	0.07543	0.02674	0.3193	0.06905	3.05E-04	7.98E-04	2.04E-03	2.18E-04	3.36E-03	2.77E-04	8.62E-10	2.72E-05	5.95E-06	3.10E-04	3.53E-04	7.98E-04	2.04E-03	2.18E-04	3.40E-03
3365	486363.09	3848377.25	0.06469	0.02777	0.2267	0.06506	2.61E-04	8.28E-04	1.45E-03	2.05E-04	2.74E-03	2.38E-04	8.95E-10	1.93E-05	5.60E-06	2.63E-04	3.03E-04	8.28E-04	1.45E-03	2.05E-04	2.78E-03
3366	486863.09	3848377.25	0.05832	0.03091	0.1358	0.06104	2.36E-04	9.22E-04	8.66E-04	1.93E-04	2.22E-03	2.14E-04	9.96E-10	1.15E-05	5.26E-06	2.31E-04	2.73E-04	9.22E-04	8.66E-04	1.93E-04	2.25E-03
3367	487363.09	3848377.25	0.0539	0.03072	0.118	0.06109	2.18E-04	9.16E-04	7.52E-04	1.93E-04	2.08E-03	1.98E-04	9.90E-10	1.00E-05	5.26E-06	2.13E-04	2.52E-04	9.16E-04	7.52E-04	1.93E-04	2.11E-03
3368	487863.09	3848377.25	0.05172	0.02707	0.0891	0.06362	2.09E-04	8.08E-04	5.68E-04	2.01E-04	1.79E-03	1.90E-04	8.72E-10	7.58E-06	5.48E-06	2.03E-04	2.42E-04	8.08E-04	5.68E-04	2.01E-04	1.82E-03
3369	488363.09	3848377.25	0.05	0.0288	0.064	0.06913	2.02E-04	8.59E-04	4.08E-04	2.18E-04	1.69E-03	1.84E-04	9.28E-10	5.44E-06	5.95E-06	1.95E-04	2.34E-04	8.59E-04	4.08E-04	2.18E-04	1.72E-03
3370	488863.09	3848377.25	0.05018	0.02907	0.1342	0.05915	2.03E-04	8.67E-04	8.56E-04	1.87E-04	2.11E-03	1.84E-04	9.37E-10	1.14E-05	5.09E-06	2.01E-04	2.35E-04	8.67E-04	8.56E-04	1.87E-04	2.14E-03
3371	489363.09	3848377.25	0.04265	0.02311	0.2709	0.06216	1.72E-04	6.89E-04	1.73E-03	1.96E-04	2.79E-03	1.57E-04	7.45E-10	2.30E-05	5.35E-06	1.85E-04	1.99E-04	6.89E-04	1.73E-03	1.96E-04	2.81E-03
3372	489863.09	3848377.25	0.04068	0.02452	0.2606	0.07129	1.64E-04	7.32E-04	1.66E-03	2.25E-04	2.78E-03	1.50E-04	7.90E-10	2.22E-05	6.14E-06	1.78E-04	1.90E-04	7.32E-04	1.66E-03	2.25E-04	2.81E-03
3373	490363.09	3848377.25	0.03875	0.02003	0.2172	0.06391	1.57E-04	5.98E-04	1.39E-03	2.02E-04	2.34E-03	1.42E-04	6.46E-10	1.85E-05	5.50E-06	1.66E-04	1.81E-04	5.98E-04	1.39E-03	2.02E-04	2.37E-03
3374	490863.09	3848377.25	0.03926	0.02158	0.1265	0.05912	1.59E-04	6.44E-04	8.07E-04	1.87E-04	1.80E-03	1.44E-04	6.96E-10	1.08E-05	5.09E-06	1.60E-04	1.84E-04	6.44E-04	8.07E-04	1.87E-04	1.82E-03
3375	491363.09	3848377.25	0.03863	0.02008	0.1533	0.06029	1.56E-04	5.99E-04	9.78E-04	1.90E-04	1.92E-03	1.42E-04	6.47E-10	1.30E-05	5.19E-06	1.60E-04	1.81E-04	5.99E-04	9.78E-04	1.90E-04	1.95E-03
3376	491863.09	3848377.25	0.03892	0.01955	0.1569	0.0594	1.57E-04	5.83E-04	1.00E-03	1.88E-04	1.93E-03	1.43E-04	6.30E-10	1.33E-05	5.11E-06	1.62E-04	1.82E-04	5.83E-04	1.00E-03	1.88E-04	1.95E-03
3377	492363.09	3848377.25	0.03575	0.01933	0.1373	0.05874	1.45E-04	5.77E-04	8.76E-04	1.85E-04	1.78E-03	1.31E-04	6.23E-10	1.17E-05	5.06E-06	1.48E-04	1.67E-04	5.77E-04	8.76E-04	1.85E-04	1.80E-03
3378	492863.09	3848377.25	0.0326	0.01608	0.1381	0.05695	1.32E-04	4.80E-04	8.81E-04	1.80E-04	1.67E-03	1.20E-04	5.18E-10	1.17E-05	4.90E-06	1.37E-04	1.52E-04	4.80E-04	8.81E-04	1.80E-04	1.69E-03
3379	493363.09	3848377.25	0.03054	0.01709	0.1133	0.04954	1.23E-04	5.10E-04	7.22E-04	1.56E-04	1.51E-03	1.12E-04	5.51E-10	9.63E-06	4.27E-06	1.26E-04	1.43E-04	5.10E-04	7.22E-04	1.56E-04	1.53E-03
3380	493863.09	3848377.25	0.02392	0.01839	0.1371	0.0415	9.67E-05	5.49E-04	8.74E-04	1.31E-04	1.65E-03	8.79E-05	5.93E-10	1.17E-05	3.57E-06	1.03E-04	1.12E-04	5.49E-04	8.74E-04	1.31E-04	1.67E-03
3381	494363.09	3848377.25	0.02292	0.01577	0.1036	0.04261	9.26E-05	4.70E-04	6.61E-04	1.35E-04	1.36E-03	8.43E-05	5.08E-10	8.81E-06	3.67E-06	9.67E-05	1.07E-04	4.70E-04	6.61E-04	1.35E-04	1.37E-03
3382	494863.09	3848377.25	0.02574	0.01806	0.1506	0.04896	1.04E-04	5.39E-04	9.60E-04	1.55E-04	1.76E-03	9.46E-05	5.82E-10	1.28E-05	4.22E-06	1.12E-04	1.20E-04	5.39E-04	9.60E-04	1.55E-04	1.77E-03
3383	495363.09	3848377.25	0.02488	0.0168	0.1695	0.04934	1.01E-04	5.01E-04	1.08E-03	1.56E-04	1.84E-03	9.15E-05	5.41E-10	1.44E-05	4.25E-06	1.10E-04	1.16E-04	5.01E-04	1.08E-03	1.56E-04	1.85E-03
3384	495863.09	3848377.25	0.02587	0.01424	0.1474	0.04772	1.05E-04	4.25E-04	9.40E-04	1.51E-04	1.62E-03	9.51E-05	4.59E-10	1.25E-05	4.11E-06	1.12E-04	1.21E-04	4.25E-04	9.40E-04	1.51E-04	1.64E-03
3385	496363.09	3848377.25	0.0269	0.01811	0.2075	0.04739	1.09E-04	5.40E-04	1.32E-03	1.50E-04	2.12E-03	9.89E-05	5.84E-10	1.76E-05	4.08E-06	1.21E-04	1.26E-04	5.40E-04	1.32E-03	1.50E-04	2.14E-03
3386	496863.09	3848377.25	0.02584	0.01883	0.246	0.04725	1.04E-04	5.62E-04	1.57E-03	1.49E-04	2.38E-03	9.50E-05	6.07E-10	2.09E-05	4.07E-06	1.20E-04	1.21E-04	5.62E-04	1.57E-03	1.49E-04	2.40E-03
3387	497363.09	3848377.25	0.03026	0.01727	0.2092	0.04955	1.22E-04	5.15E-04	1.33E-03	1.56E-04	2.13E-03	1.11E-04	5.57E-10	1.78E-05	4.27E-06	1.33E-04	1.42E-04	5.15E-04	1.33E-03	1.56E-04	2.15E-03
3388	497863.09	3848377.25	0.04601	0.02144	0.2717	0.05884	1.86E-04	6.40E-04	1.73E-03	1.86E-04	2.74E-03	1.69E-04	6.91E-10	2.31E-05	5.07E-06	1.97E-04	2.15E-04	6.40E-04	1.73E-03	1.86E-04	2.77E-03
3389	498363.09	3848377.25	0.05066	0.02199	0.2474	0.05502	2.05E-04	6.56E-04	1.58E-03	1.74E-04	2.61E-03	1.86E-04	7.09E-10	2.10E-05	4.74E-06	2.12E-04	2.37E-04	6.56E-04	1.58E-03	1.74E-04	2.64E-03
3390	471363.09	3848877.25	0.20793	0.15464	0.0734	0.07187	8.40E-04	4.61E-03	4.68E-04	2.27E-04	6.15E-03	7.64E-04	4.98E-09	6.24E-06	6.19E-06	7.77E-04	9.72E-04	4.61E-03	4.68E-04	2.27E-04	6.28E-03
3391	471863.09	3848877.25	0.24625	0.19114	0.0797	0.06444	9.95E-04	5.70E-03	5.08E-04	2.03E-04	7.41E-03	9.05E-04	6.16E-09	6.77E-06	5.55E-06	9.18E-04	1.15E-03	5.70E-03	5.08E-04	2.03E-04	7.57E-03
3392	472363.09	3848877.25	0.28655	0.17501	0.0773	0.06116	1.16E-03	5.22E-03	4.93E-04	1.93E-04	7.07E-03	1.05E-03	5.64E-09	6.57E-06	5.27E-06	1.07E-03	1.34E-03	5.22E-03	4.93E-04	1.93E-04	7.25E-03
3393	472863.09	3848877.25	0.34734	0.17638	0.1035	0.06244	1.40E-03	5.26E-03	6.60E-04	1.97E-04	7.52E-03	1.28E-03	5.68E-09	8.80E-06	5.38E-06	1.29E-03	1.62E-03	5.26E-03	6.60E-04	1.97E-04	7.74E-03
3394	473363.09	3848877.25	0.32298	0.19335	0.1399	0.06891	1.31E-03	5.77E-03	8.93E-04	2.18E-04	8.18E-03	1.19E-03	6.23E-09	1.19E-05	5.93E-06	1.21E-03	1.51E-03	5.77E-03	8.93E-04	2.18E-04	8.39E-03
3395	473863.09	3848877.25	0.34566	0.17559	0.1285	0.07573	1.40E-03	5.24E-03	8.20E-04	2.39E-04	7.69E-03	1.27E-03	5.66E-09	1.09E-05	6.52E-06	1.29E-03	1.62E-03	5.24E-03	8.20E-04	2.39E-04	7.91E-03
3396	474363.09	3848877.25	0.38255	0.20116	0.1057	0.06243	1.55E-03	6.00E-03	6.74E-04	1.97E-04	8.42E-03	1.41E-03	6.48E-09	8.99E-06	5.38E-06	1.42E-03	1.79E-03	6.00E-03	6.74E-04	1.97E-04	8.66E-03
3397	474863.09	3848877.25	0.35319	0.17738	0.0967	0.07025	1.43E-03	5.29E-03	6.17E-04	2.22E-04	7.56E-03	1.30E-03	5.72E-09	8.22E-06	6.05E-06	1.31E-03	1.65E-03	5.29E-03	6.17E-04	2.22E-04	7.78E-03
3398	475363.09	3848877.25	0.33407	0.17854	0.0684	0.07932	1.35E-03	5.33E-03	4.37E-04	2.50E-04	7.36E-03	1.23E-03	5.75E-09	5.82E-06	6.83E-06	1.24E-03	1.56E-03	5.33E-03	4.37E-04	2.50E-04	7.58E-03
3399	475863.09	3848877.25	0.35089	0.18265	0.0838	0.07942	1.42E-03	5.45E-03	5.35E-04	2.51E-04	7.65E-03	1.29E-03	5.89E-09	7.13E-06	6.84E-06	1.30E-03	1.64E-03	5.45E-03	5.35E-04	2.51E-04	7.88E-03
3400	476363.09	3848877.25	0.38596	0.16333	0.1042	0.07745	1.56E-03	4.87E-03	6.65E-04	2.45E-04	7.34E-03	1.42E-03	5.26E-09	8.86E-06	6.67E-06	1.43E-03	1.80E-03	4.87E-03	6.65E-04	2.45E-04	7.59E-03
3401	476863.09	3848877.25	0.33444	0.14577	0.1187	0.06296	1.35E-03	4.35E-03	7.57E-04	1.99E-04	6.66E-03	1.23E-03	4.70E-09	1.01E-05	5.42E-06	1.25E-03	1.56E-03	4.35E-03	7.57E-04	1.99E-04	6.87E-03
3402	477363.09	3848877.25	0.47831	0.18364	0.1362	0.07752	1.93E-03	5.48E-03	8.69E-04	2.45E-04	8.53E-03	1.76E-03	5.92E-09	1.16E-05	6.68E-06	1.78E-03	2.24E-03	5.48E-03	8.69E-04	2.45E-04	8.83E-03
3403	477863.09	3848877.25	0.48907	0.15219	0.1093	0.07778	1.98E-03	4.54E-03	6.97E-04	2.46E-04	7.46E-03	1.80E-03	4.91E-09	9.30E-06	6.70E-06	1.81E-03	2.29E-03	4.54E-03	6.97E-04	2.46E-04	7.77E-03
3404	478363.09	3848877.25	0.65232	0.14983	0.0747	0.07748	2.64E-03	4.47E-03	4.77E-04	2.45E-04	7.83E-03	2.40E-03	4.83E-09	6.35E-06	6.67E-06	2.41E-03	3.05E-03	4.47E-03	4.77E-04	2.45E-04	8.24E-03
3405	478863.09	3848877.25	0.57661	0.10407	0.1279	0.09228	2.33E-03	3.10E-03	8.16E-04	2.91E-04	6.54E-03	2.12E-03	3.35E-09	1.09E-05	7.95E-06	2.14E-03	2.70E-03	3.10E-03	8.16E-04	2.91E-04	6.91E-03
3406	479363.09	3848877.25	0.50999	0.07566	0.1774	0.08351	2.06E-03	2.26E-03	1.13E-03	2.64E-04	5.71E-03	1.87E-03	2.44E-09	1.51E-05	7.19E-06	1.90E-03	2.39E-03	2.26E-03	1.13E-03	2.64E-04	6.04E-03
3407	479863.09	3848877.25	0.28011	0.07618	0.1715	0.07822	1.13E-03	2.27E-03	1.09E-03	2.47E-04	4.75E-03	1.03E-03	2.46E-09	1.46E-05	6.74E-06	1.05E-03	1.31E-03	2.27E-03	1.09E-03	2.47E-04	4.92E-03
3408	480363.09	3848877.25	0.31079	0.07381	0.1435	0.09009	1.26E-03	2.20E-03	9.15E-04	2.84E-04	4.66E-03	1.14E-03	2.38E-09	1.22E-05	7.76E-06	1.16E-03	1.45E-03	2.20E-03	9.15E-04	2.84E-04	4.86E-03
3409	480863.09	3848877.25	0.2709	0.06273	0.1748	0.09	1.10E-03	1.87E-03	1.11E-03	2.84E-04	4.37E-03	9.96E-04	2.02E-09	1.49E-05	7.75E-06	1.02E-03	1.27E-03	1.87E-03	1.11E-03	2.84E-04	4.54E-03
3410	481363.09	3848877.25	0.18538	0.04841	0.2005	0.09736	7.49E-04	1.44E-03	1.28E-03	3.07E-04	3.78E-03	6.82E-04	1.56E-09	1.71E-05	8.38E-06	7.07E-04	8.67E-04	1.44E-03	1.28E-03	3.07E-04	3.90E-03
3411	481863.09	3848877.25	0.13986	0.04306	0.1412	0.07878	5.65E-04	1.28E-03	9.00E-04	2.49E-04	3.00E-03	5.14E-04	1.39E-09	1.20E-05	6.78E-06	5.33E-04	6.54E-04	1.28E-03	9.00E-04	2.49E-04	3.09E-03
3412	482363.09	3848877.25	0.10931	0.03948	0.1076	0.07477	4.42E-04	1.18E-03	6.87E-04	2.36E-04	2.54E-03	4.02E-04	1.27E-09	9.15E-06	6.44E-06	4.17E-04	5.11E-04	1.18E-03	6.87E-04	2.36E-04	2.61E-03

3413	482863.09	3848877.25	0.09249	0.04103	0.1418	0.07046	3.74E-04	1.22E-03	9.05E-04	2.22E-04	2.73E-03	3.40E-04	1.32E-09	1.21E-05	6.07E-06	3.58E-04	4.33E-04	1.22E-03	9.05E-04	2.22E-04	2.78E-03
3414	483363.09	3848877.25	0.08719	0.04148	0.2311	0.06539	3.52E-04	1.24E-03	1.47E-03	2.06E-04	3.27E-03	3.21E-04	1.34E-09	1.97E-05	5.63E-06	3.46E-04	4.08E-04	1.24E-03	1.47E-03	2.06E-04	3.33E-03
3415	483863.09	3848877.25	0.07996	0.03951	0.1804	0.07098	3.23E-04	1.18E-03	1.15E-03	2.24E-04	2.88E-03	2.94E-04	1.27E-09	1.53E-05	6.11E-06	3.15E-04	3.74E-04	1.18E-03	1.15E-03	2.24E-04	2.93E-03
3416	484363.09	3848877.25	0.06793	0.03777	0.2126	0.09297	2.75E-04	1.13E-03	1.36E-03	2.94E-04	3.05E-03	2.50E-04	1.22E-09	1.81E-05	8.01E-06	2.76E-04	3.18E-04	1.13E-03	1.36E-03	2.94E-04	3.09E-03
3417	484863.09	3848877.25	0.08189	0.04143	0.2743	0.09731	3.31E-04	1.24E-03	1.75E-03	3.07E-04	3.62E-03	3.01E-04	1.34E-09	2.33E-05	8.38E-06	3.33E-04	3.83E-04	1.24E-03	1.75E-03	3.07E-04	3.68E-03
3418	485363.09	3848877.25	0.09346	0.03284	0.4601	0.08635	3.78E-04	9.80E-04	2.93E-03	2.73E-04	4.56E-03	3.44E-04	1.06E-09	3.91E-05	7.44E-06	3.90E-04	4.37E-04	9.80E-04	2.93E-03	2.73E-04	4.62E-03
3419	485863.09	3848877.25	0.08103	0.02931	0.4031	0.07933	3.28E-04	8.74E-04	2.57E-03	2.50E-04	4.02E-03	2.98E-04	9.45E-10	3.43E-05	6.83E-06	3.39E-04	3.79E-04	8.74E-04	2.57E-03	2.50E-04	4.07E-03
3420	486363.09	3848877.25	0.0692	0.02939	0.277	0.06735	2.80E-04	8.77E-04	1.77E-03	2.13E-04	3.14E-03	2.54E-04	9.47E-10	2.36E-05	5.80E-06	2.84E-04	3.24E-04	8.77E-04	1.77E-03	2.13E-04	3.18E-03
3421	486863.09	3848877.25	0.06236	0.03224	0.1585	0.06409	2.52E-04	9.62E-04	1.01E-03	2.02E-04	2.43E-03	2.29E-04	1.04E-09	1.35E-05	5.52E-06	2.48E-04	2.92E-04	9.62E-04	1.01E-03	2.02E-04	2.47E-03
3422	487363.09	3848877.25	0.06054	0.0306	0.1309	0.06362	2.45E-04	9.13E-04	8.35E-04	2.01E-04	2.19E-03	2.23E-04	9.86E-10	1.11E-05	5.48E-06	2.39E-04	2.83E-04	9.13E-04	8.35E-04	2.01E-04	2.23E-03
3423	487863.09	3848877.25	0.056	0.03251	0.0931	0.06705	2.26E-04	9.70E-04	5.94E-04	2.12E-04	2.00E-03	2.06E-04	1.05E-09	7.92E-06	5.77E-06	2.20E-04	2.62E-04	9.70E-04	5.94E-04	2.12E-04	2.04E-03
3424	488363.09	3848877.25	0.05105	0.03141	0.0753	0.06635	2.06E-04	9.37E-04	4.80E-04	2.09E-04	1.83E-03	1.88E-04	1.01E-09	6.40E-06	5.71E-06	2.00E-04	2.39E-04	9.37E-04	4.80E-04	2.09E-04	1.87E-03
3425	488863.09	3848877.25	0.05027	0.02961	0.1918	0.05878	2.03E-04	8.83E-04	1.22E-03	1.86E-04	2.50E-03	1.85E-04	9.54E-10	1.63E-05	5.06E-06	2.06E-04	2.35E-04	8.83E-04	1.22E-03	1.86E-04	2.53E-03
3426	489363.09	3848877.25	0.04675	0.02604	0.3263	0.06403	1.89E-04	7.77E-04	2.08E-03	2.02E-04	3.25E-03	1.72E-04	8.39E-10	2.77E-05	5.51E-06	2.05E-04	2.19E-04	7.77E-04	2.08E-03	2.02E-04	3.28E-03
3427	489863.09	3848877.25	0.04319	0.02521	0.2821	0.07421	1.75E-04	7.52E-04	1.80E-03	2.34E-04	2.96E-03	1.59E-04	8.13E-10	2.40E-05	6.39E-06	1.89E-04	2.02E-04	7.52E-04	1.80E-03	2.34E-04	2.99E-03
3428	490363.09	3848877.25	0.04366	0.02195	0.2002	0.06296	1.76E-04	6.55E-04	1.28E-03	1.99E-04	2.31E-03	1.61E-04	7.07E-10	1.70E-05	5.42E-06	1.83E-04	2.04E-04	6.55E-04	1.28E-03	1.99E-04	2.33E-03
3429	490863.09	3848877.25	0.04468	0.02243	0.1414	0.0607	1.81E-04	6.69E-04	9.02E-04	1.92E-04	1.94E-03	1.64E-04	7.23E-10	1.20E-05	5.23E-06	1.82E-04	2.09E-04	6.69E-04	9.02E-04	1.92E-04	1.97E-03
3430	491363.09	3848877.25	0.04111	0.02315	0.1496	0.06118	1.66E-04	6.91E-04	9.54E-04	1.93E-04	2.00E-03	1.51E-04	7.46E-10	1.27E-05	5.27E-06	1.69E-04	1.92E-04	6.91E-04	9.54E-04	1.93E-04	2.03E-03
3431	491863.09	3848877.25	0.03741	0.01946	0.2077	0.06178	1.51E-04	5.81E-04	1.32E-03	1.95E-04	2.25E-03	1.38E-04	6.27E-10	1.77E-05	5.32E-06	1.61E-04	1.75E-04	5.81E-04	1.32E-03	1.95E-04	2.28E-03
3432	492363.09	3848877.25	0.03555	0.01973	0.1544	0.0591	1.44E-04	5.89E-04	9.85E-04	1.87E-04	1.90E-03	1.31E-04	6.36E-10	1.31E-05	5.09E-06	1.49E-04	1.66E-04	5.89E-04	9.85E-04	1.87E-04	1.93E-03
3433	492863.09	3848877.25	0.03275	0.01725	0.1254	0.0533	1.32E-04	5.15E-04	8.00E-04	1.68E-04	1.61E-03	1.20E-04	5.56E-10	1.07E-05	4.59E-06	1.36E-04	1.53E-04	5.15E-04	8.00E-04	1.68E-04	1.64E-03
3434	493363.09	3848877.25	0.02273	0.01827	0.1057	0.04286	9.19E-05	5.45E-04	6.74E-04	1.35E-04	1.45E-03	8.36E-05	5.89E-10	8.99E-06	3.69E-06	9.62E-05	1.06E-04	5.45E-04	6.74E-04	1.35E-04	1.46E-03
3435	493863.09	3848877.25	0.02539	0.01603	0.1146	0.04243	1.03E-04	4.78E-04	7.31E-04	1.34E-04	1.45E-03	9.33E-05	5.17E-10	9.75E-06	3.65E-06	1.07E-04	1.19E-04	4.78E-04	7.31E-04	1.34E-04	1.46E-03
3436	494363.09	3848877.25	0.02592	0.01789	0.1432	0.04928	1.05E-04	5.34E-04	9.14E-04	1.56E-04	1.71E-03	9.53E-05	5.77E-10	1.22E-05	4.24E-06	1.12E-04	1.21E-04	5.34E-04	9.14E-04	1.56E-04	1.72E-03
3437	494863.09	3848877.25	0.02692	0.02168	0.1656	0.05279	1.09E-04	6.47E-04	1.06E-03	1.67E-04	1.98E-03	9.90E-05	6.99E-10	1.41E-05	4.55E-06	1.18E-04	1.26E-04	6.47E-04	1.06E-03	1.67E-04	2.00E-03
3438	495363.09	3848877.25	0.02845	0.01547	0.1459	0.0526	1.15E-04	4.62E-04	9.31E-04	1.66E-04	1.67E-03	1.05E-04	4.99E-10	1.24E-05	4.53E-06	1.22E-04	1.33E-04	4.62E-04	9.31E-04	1.66E-04	1.69E-03
3439	495863.09	3848877.25	0.02646	0.01529	0.1905	0.04659	1.07E-04	4.56E-04	1.21E-03	1.47E-04	1.93E-03	9.73E-05	4.93E-10	1.62E-05	4.01E-06	1.17E-04	1.24E-04	4.56E-04	1.21E-03	1.47E-04	1.94E-03
3440	496363.09	3848877.25	0.02767	0.01788	0.2118	0.04699	1.12E-04	5.33E-04	1.35E-03	1.48E-04	2.14E-03	1.02E-04	5.76E-10	1.80E-05	4.05E-06	1.24E-04	1.29E-04	5.33E-04	1.35E-03	1.48E-04	2.16E-03
3441	496863.09	3848877.25	0.03583	0.01996	0.2081	0.04994	1.45E-04	5.95E-04	1.33E-03	1.58E-04	2.23E-03	1.32E-04	6.43E-10	1.77E-05	4.30E-06	1.54E-04	1.68E-04	5.95E-04	1.33E-03	1.58E-04	2.25E-03
3442	497363.09	3848877.25	0.04605	0.02038	0.2876	0.05807	1.86E-04	6.08E-04	1.83E-03	1.83E-04	2.81E-03	1.69E-04	6.57E-10	2.45E-05	5.00E-06	1.99E-04	2.15E-04	6.08E-04	1.83E-03	1.83E-04	2.84E-03
3443	497863.09	3848877.25	0.05045	0.02247	0.2527	0.05705	2.04E-04	6.70E-04	1.61E-03	1.80E-04	2.67E-03	1.85E-04	7.24E-10	2.15E-05	4.91E-06	2.12E-04	2.36E-04	6.70E-04	1.61E-03	1.80E-04	2.70E-03
3444	498363.09	3848877.25	0.05611	0.02299	0.237	0.05621	2.27E-04	6.86E-04	1.51E-03	1.77E-04	2.60E-03	2.06E-04	7.41E-10	2.02E-05	4.84E-06	2.31E-04	2.62E-04	6.86E-04	1.51E-03	1.77E-04	2.64E-03
3445	471363.09	3849377.25	0.27392	0.14563	0.0778	0.06719	1.11E-03	4.34E-03	4.96E-04	2.12E-04	6.16E-03	1.01E-03	4.69E-09	6.61E-06	5.79E-06	1.02E-03	1.28E-03	4.34E-03	4.96E-04	2.12E-04	6.33E-03
3446	471863.09	3849377.25	0.2638	0.17653	0.0798	0.08077	1.07E-03	5.27E-03	5.09E-04	2.55E-04	7.10E-03	9.70E-04	5.69E-09	6.79E-06	6.96E-06	9.84E-04	1.23E-03	5.27E-03	5.09E-04	2.55E-04	7.26E-03
3447	472363.09	3849377.25	0.23344	0.20006	0.085	0.07366	9.44E-04	5.97E-03	5.42E-04	2.33E-04	7.69E-03	8.58E-04	6.45E-09	7.23E-06	6.34E-06	8.72E-04	1.09E-03	5.97E-03	5.42E-04	2.33E-04	7.83E-03
3448	472863.09	3849377.25	0.26743	0.20814	0.0832	0.06518	1.08E-03	6.21E-03	5.31E-04	2.06E-04	8.03E-03	9.83E-04	6.71E-09	7.07E-06	5.61E-06	9.96E-04	1.25E-03	6.21E-03	5.31E-04	2.06E-04	8.20E-03
3449	473363.09	3849377.25	0.32114	0.19621	0.0929	0.06394	1.30E-03	5.85E-03	5.92E-04	2.02E-04	7.95E-03	1.18E-03	6.32E-09	7.90E-06	5.51E-06	1.19E-03	1.50E-03	5.85E-03	5.92E-04	2.02E-04	8.15E-03
3450	473863.09	3849377.25	0.39764	0.20187	0.1266	0.07051	1.61E-03	6.02E-03	8.07E-04	2.23E-04	8.66E-03	1.46E-03	6.51E-09	1.08E-05	6.07E-06	1.48E-03	1.86E-03	6.02E-03	8.07E-04	2.23E-04	8.91E-03
3451	474363.09	3849377.25	0.3698	0.20377	0.1512	0.07781	1.49E-03	6.08E-03	9.64E-04	2.46E-04	8.78E-03	1.36E-03	6.57E-09	1.29E-05	6.70E-06	1.38E-03	1.73E-03	6.08E-03	9.64E-04	2.46E-04	9.02E-03
3452	474863.09	3849377.25	0.35769	0.22534	0.1264	0.07408	1.45E-03	6.72E-03	8.06E-04	2.34E-04	9.21E-03	1.32E-03	7.26E-09	1.07E-05	6.38E-06	1.33E-03	1.67E-03	6.72E-03	8.06E-04	2.34E-04	9.44E-03
3453	475363.09	3849377.25	0.46143	0.22125	0.1015	0.06937	1.87E-03	6.60E-03	6.47E-04	2.19E-04	9.33E-03	1.70E-03	7.13E-09	8.63E-06	5.97E-06	1.71E-03	2.16E-03	6.60E-03	6.47E-04	2.19E-04	9.63E-03
3454	475863.09	3849377.25	0.38834	0.24	0.0785	0.08445	1.57E-03	7.16E-03	5.01E-04	2.67E-04	9.50E-03	1.43E-03	7.74E-09	6.68E-06	7.27E-06	1.44E-03	1.82E-03	7.16E-03	5.01E-04	2.67E-04	9.74E-03
3455	476363.09	3849377.25	0.42281	0.24909	0.0838	0.08578	1.71E-03	7.43E-03	5.34E-04	2.71E-04	9.95E-03	1.55E-03	8.03E-09	7.12E-06	7.39E-06	1.57E-03	1.98E-03	7.43E-03	5.34E-04	2.71E-04	1.02E-02
3456	476863.09	3849377.25	0.37604	0.2525	0.1061	0.08127	1.52E-03	7.53E-03	6.77E-04	2.57E-04	9.99E-03	1.38E-03	8.14E-09	9.03E-06	7.00E-06	1.40E-03	1.76E-03	7.53E-03	6.77E-04	2.57E-04	1.02E-02
3457	477363.09	3849377.25	0.43195	0.23456	0.1207	0.06626	1.75E-03	7.00E-03	7.70E-04	2.09E-04	9.72E-03	1.59E-03	7.56E-09	1.03E-05	5.71E-06	1.60E-03	2.02E-03	7.00E-03	7.70E-04	2.09E-04	1.00E-02
3458	477863.09	3849377.25	0.45988	0.17782	0.1403	0.08153	1.86E-03	5.30E-03	8.95E-04	2.57E-04	8.32E-03	1.69E-03	5.73E-09	1.19E-05	7.02E-06	1.71E-03	2.15E-03	5.30E-03	8.95E-04	2.57E-04	8.61E-03
3459	478363.09	3849377.25	0.60569	0.17902	0.1225	0.08007	2.45E-03	5.34E-03	7.82E-04	2.53E-04	8.82E-03	2.23E-03	5.77E-09	1.04E-05	6.89E-06	2.24E-03	2.83E-03	5.34E-03	7.82E-04	2.53E-04	9.21E-03
3460	478863.09	3849377.25	0.69294	0.14363	0.0822	0.08188	2.80E-03	4.28E-03	5.24E-04	2.59E-04	7.87E-03	2.55E-03	4.63E-09	6.99E-06	7.05E-06	2.56E-03	3.24E-03	4.28E-03	5.24E-04	2.59E-04	8.31E-03
3461	479363.09	3849377.25	0.61335	0.10025	0.1366	0.09164	2.48E-03	2.99E-03	8.71E-04	2.89E-04	6.63E-03	2.25E-03	3.23E-09	1.16E-05	7.89E-06	2.27E-03	2.87E-03	2.99E-03	8.71E-04	2.89E-04	7.02E-03
3462	479863.09	3849377.25	0.54993	0.08574	0.1857	0.08121	2.22E-03	2.56E-03	1.18E-03	2.56E-04	6.22E-03	2.02E-03	2.76E-09	1.58E-05	6.99E-06	2.04E-03	2.57E-03	2.56E-03	1.18E-03	2.56E-04	6.57E-03
3463	480363.09	3849377.25	0.41786	0.10638	0.1781	0.09336	1.69E-03	3.17E-03	1.14E-03	2.95E-04	6.29E-03	1.54E-03	3.43E-09	1.51E-05	8.04E-06	1.56E-03	1.95E-03	3.17E-03	1.14E-03	2.95E-04	6.56E-03
3464	480863.09	3849377.25	0.46008	0.09232	0.1469	0.09473	1.86E-03	2.75E-03	9.37E-04	2.99E-04	5.85E-03	1.69E-03	2.98E-09	1.25E-05	8.16E-06	1.71E-03	2.15E-03	2.75E-03	9.37E-04	2.99E-04	6.14E-03
3465	481363.09	3849377.25	0.25729	0.06097	0.1948	0.09119	1.04E-03	1.82E-03	1.24E-03	2.88E-04	4.39E-03	9.46E-04	1.97E-09	1.66E-05	7.85E-06	9.70E-04	1.20E-03	1.82E-03	1.24E-03	2.88E-04	4.55E-03
3466	481863.09	3849377.25	0.14693	0.04077	0.184	0.0835	5.94E-04	1.22E-03	1.17E-03	2.64E-04	3.25E-03	5.40E-04	1.31E-09	1.57E-05	7.19E-06	5.63E-04	6.87E-04	1.22E-03	1.17E-03	2.64E-04	3.34E-03
3467	482363.09	3849377.25	0.1143	0.03872	0.11	0.07888	4.62E-04	1.16E-03	7.02E-04	2.49E-04	2.57E-03	4.20E-04	1.25E-09	9.35E-06	6.79E-06	4.36E-04	5.35E-04	1.16E-03	7.02E-04	2.49E-04	2.64E-03
3468	482863.09	3849377.25	0.09212	0.03876	0.133	0.07211	3.72E-04	1.16E-03	8.48E-04	2.28E-04	2.60E-03	3.39E-04	1.25E-09	1.13E-05	6.21E-06	3.56E-04	4.31E-04	1.16E-03	8.48E-04	2.28E-04	2.66E-03
3469	483363.09	3849377.25	0.09071	0.04568	0.1928	0.06636	3.67E-04	1.36E-03	1.23E-03	2.10E-04	3.17E-03	3.33E-04	1.47E-09	1.64E-05	5.71E-06	3.56E-04	4.24E-04	1.36E-03	1.23E-03	2.10E-04	3.23E-03
3470	483863.09	3849377.25	0.06881	0.03962	0.2179	0.06977	2.78E-04	1.18E-03	1.39E-03	2.20E-04	3.07E-03	2.53E-04	1.28E-09	1.85E-05	6.01E-06	2.78E-04	3.22E-04	1.18E-03	1.39E-03	2.20E-04	3.11E-03
3471	484363.09	3849377.25	0.08151	0.04224	0.1825	0.09136	3.29E-04	1.26E-03	1.16E-03	2.88E-04	3.04E-03	3.00E-04	1.36E-09	1.55E-05	7.87E-06	3.23E-04	3.81E-04	1.26E-03	1.16E-03	2.88E-04	3.09E-03
3472	484863.09	3849377.25	0.10241	0.04321	0.3174	0.09938	4.14E-04	1.29E-03	2.02E-03	3.14E-04	4.04E-03	3.77E-04	1.39E-09	2.70E-05	8.56E-06	4.12E-04	4.79E-04	1.29E-03	2.02E-03	3.14E-04	4.11E-03
3473	485363.09	3849377.25	0.09936	0.03782	0.3872	0.09601	4.02E-04	1.13E-03	2.47E-03	3.03E-04	4.30E-03	3.65E-04	1.22E-09	3.29E-05	8.27E-06	4.06E-04	4.65E-04	1.13E-03	2.47E-03	3.03E-04	4.37E-03

3474	485863.09	3849377.25	0.08622	0.02914	0.4087	0.07872	3.49E-04	8.69E-04	2.61E-03	2.49E-04	4.07E-03	3.17E-04	9.39E-10	3.48E-05	6.78E-06	3.59E-04	4.03E-04	8.69E-04	2.61E-03	2.49E-04	4.13E-03
3475	486363.09	3849377.25	0.06385	0.02944	0.2456	0.06359	2.58E-04	8.78E-04	1.57E-03	2.01E-04	2.90E-03	2.35E-04	9.49E-10	2.09E-05	5.48E-06	2.61E-04	2.99E-04	8.78E-04	1.57E-03	2.01E-04	2.94E-03
3476	486863.09	3849377.25	0.06992	0.0341	0.1876	0.0662	2.83E-04	1.02E-03	1.20E-03	2.09E-04	2.71E-03	2.57E-04	1.10E-09	1.60E-05	5.70E-06	2.79E-04	3.27E-04	1.02E-03	1.20E-03	2.09E-04	2.75E-03
3477	487363.09	3849377.25	0.06731	0.03005	0.1262	0.06412	2.72E-04	8.96E-04	8.05E-04	2.02E-04	2.18E-03	2.47E-04	9.69E-10	1.07E-05	5.52E-06	2.64E-04	3.15E-04	8.96E-04	8.05E-04	2.02E-04	2.22E-03
3478	487863.09	3849377.25	0.06006	0.0371	0.0975	0.0696	2.43E-04	1.11E-03	6.22E-04	2.20E-04	2.19E-03	2.21E-04	1.20E-09	8.29E-06	5.99E-06	2.35E-04	2.81E-04	1.11E-03	6.22E-04	2.20E-04	2.23E-03
3479	488363.09	3849377.25	0.05233	0.03303	0.0796	0.06581	2.12E-04	9.85E-04	5.07E-04	2.08E-04	1.91E-03	1.92E-04	1.06E-09	6.77E-06	5.67E-06	2.05E-04	2.45E-04	9.85E-04	5.07E-04	2.08E-04	1.95E-03
3480	488863.09	3849377.25	0.0537	0.03027	0.2239	0.06874	2.17E-04	9.03E-04	1.43E-03	2.17E-04	2.77E-03	1.97E-04	9.76E-10	1.90E-05	5.92E-06	2.22E-04	2.51E-04	9.03E-04	1.43E-03	2.17E-04	2.80E-03
3481	489363.09	3849377.25	0.05541	0.02868	0.3286	0.08308	2.24E-04	8.56E-04	2.10E-03	2.62E-04	3.44E-03	2.04E-04	9.24E-10	2.79E-05	7.15E-06	2.39E-04	2.59E-04	8.56E-04	2.10E-03	2.62E-04	3.47E-03
3482	489863.09	3849377.25	0.04357	0.02566	0.3426	0.07917	1.76E-04	7.66E-04	2.19E-03	2.50E-04	3.38E-03	1.60E-04	8.27E-10	2.91E-05	6.82E-06	1.96E-04	2.04E-04	7.66E-04	2.19E-03	2.50E-04	3.40E-03
3483	490363.09	3849377.25	0.051	0.0236	0.1975	0.06312	2.06E-04	7.04E-04	1.26E-03	1.99E-04	2.37E-03	1.88E-04	7.61E-10	1.68E-05	5.44E-06	2.10E-04	2.39E-04	7.04E-04	1.26E-03	1.99E-04	2.40E-03
3484	490863.09	3849377.25	0.04887	0.02311	0.1886	0.06445	1.98E-04	6.89E-04	1.20E-03	2.03E-04	2.29E-03	1.80E-04	7.45E-10	1.60E-05	5.55E-06	2.01E-04	2.29E-04	6.89E-04	1.20E-03	2.03E-04	2.32E-03
3485	491363.09	3849377.25	0.04391	0.02459	0.1625	0.06712	1.77E-04	7.34E-04	1.04E-03	2.12E-04	2.16E-03	1.61E-04	7.93E-10	1.38E-05	5.78E-06	1.81E-04	2.05E-04	7.34E-04	1.04E-03	2.12E-04	2.19E-03
3486	491863.09	3849377.25	0.03574	0.02159	0.1697	0.06215	1.44E-04	6.44E-04	1.08E-03	1.96E-04	2.07E-03	1.31E-04	6.96E-10	1.44E-05	5.35E-06	1.51E-04	1.67E-04	6.44E-04	1.08E-03	1.96E-04	2.09E-03
3487	492363.09	3849377.25	0.03952	0.01995	0.1536	0.05869	1.60E-04	5.95E-04	9.80E-04	1.85E-04	1.92E-03	1.45E-04	6.43E-10	1.31E-05	5.05E-06	1.63E-04	1.85E-04	5.95E-04	9.80E-04	1.85E-04	1.95E-03
3488	492863.09	3849377.25	0.02585	0.0178	0.1204	0.05115	1.04E-04	5.31E-04	7.68E-04	1.61E-04	1.56E-03	9.50E-05	5.74E-10	1.02E-05	4.40E-06	1.10E-04	1.21E-04	5.31E-04	7.68E-04	1.61E-04	1.58E-03
3489	493363.09	3849377.25	0.03039	0.01847	0.1258	0.04503	1.23E-04	5.51E-04	8.03E-04	1.42E-04	1.62E-03	1.12E-04	5.95E-10	1.07E-05	3.88E-06	1.26E-04	1.42E-04	5.51E-04	8.03E-04	1.42E-04	1.64E-03
3490	493863.09	3849377.25	0.02783	0.02018	0.1307	0.04957	1.12E-04	6.02E-04	8.33E-04	1.57E-04	1.70E-03	1.02E-04	6.50E-10	1.11E-05	4.27E-06	1.18E-04	1.30E-04	6.02E-04	8.33E-04	1.57E-04	1.72E-03
3491	494363.09	3849377.25	0.02938	0.02411	0.1694	0.05227	1.19E-04	7.19E-04	1.08E-03	1.65E-04	2.08E-03	1.08E-04	7.77E-10	1.44E-05	4.50E-06	1.27E-04	1.37E-04	7.19E-04	1.08E-03	1.65E-04	2.10E-03
3492	494863.09	3849377.25	0.03798	0.01856	0.1609	0.06053	1.54E-04	5.54E-04	1.03E-03	1.91E-04	1.92E-03	1.40E-04	5.98E-10	1.37E-05	5.21E-06	1.59E-04	1.78E-04	5.54E-04	1.03E-03	1.91E-04	1.95E-03
3493	495363.09	3849377.25	0.03943	0.02029	0.2406	0.05537	1.59E-04	6.05E-04	1.53E-03	1.75E-04	2.47E-03	1.45E-04	6.54E-10	2.05E-05	4.77E-06	1.70E-04	1.84E-04	6.05E-04	1.53E-03	1.75E-04	2.50E-03
3494	495863.09	3849377.25	0.03398	0.02218	0.226	0.04753	1.37E-04	6.62E-04	1.44E-03	1.50E-04	2.39E-03	1.25E-04	7.15E-10	1.92E-05	4.09E-06	1.48E-04	1.59E-04	6.62E-04	1.44E-03	1.50E-04	2.41E-03
3495	496363.09	3849377.25	0.03664	0.01921	0.1927	0.05028	1.48E-04	5.73E-04	1.23E-03	1.59E-04	2.11E-03	1.35E-04	6.19E-10	1.64E-05	4.33E-06	1.55E-04	1.71E-04	5.73E-04	1.23E-03	1.59E-04	2.13E-03
3496	496863.09	3849377.25	0.04919	0.02106	0.2176	0.05976	1.99E-04	6.28E-04	1.39E-03	1.89E-04	2.40E-03	1.81E-04	6.79E-10	1.85E-05	5.15E-06	2.04E-04	2.30E-04	6.28E-04	1.39E-03	1.89E-04	2.43E-03
3497	497363.09	3849377.25	0.04673	0.02151	0.2452	0.05817	1.89E-04	6.42E-04	1.56E-03	1.84E-04	2.58E-03	1.72E-04	6.93E-10	2.09E-05	5.01E-06	1.98E-04	2.19E-04	6.42E-04	1.56E-03	1.84E-04	2.61E-03
3498	497863.09	3849377.25	0.06667	0.02583	0.2422	0.05881	2.69E-04	7.71E-04	1.55E-03	1.86E-04	2.77E-03	2.45E-04	8.33E-10	2.06E-05	5.06E-06	2.71E-04	3.12E-04	7.71E-04	1.55E-03	1.86E-04	2.81E-03
3499	498363.09	3849377.25	0.06757	0.02624	0.2027	0.06069	2.73E-04	7.83E-04	1.29E-03	1.92E-04	2.54E-03	2.48E-04	8.46E-10	1.72E-05	5.23E-06	2.71E-04	3.16E-04	7.83E-04	1.29E-03	1.92E-04	2.58E-03
3500	471363.09	3849877.25	0.22338	0.10978	0.0749	0.07115	9.03E-04	3.28E-03	4.78E-04	2.25E-04	4.88E-03	8.21E-04	3.54E-09	6.37E-06	6.13E-06	8.34E-04	1.04E-03	3.28E-03	4.78E-04	2.25E-04	5.02E-03
3501	471863.09	3849877.25	0.28713	0.14424	0.0572	0.05982	1.16E-03	4.30E-03	3.65E-04	1.89E-04	6.02E-03	1.06E-03	4.65E-09	4.87E-06	5.15E-06	1.07E-03	1.34E-03	4.30E-03	3.65E-04	1.89E-04	6.20E-03
3502	472363.09	3849877.25	0.29277	0.18227	0.0879	0.07635	1.18E-03	5.44E-03	5.60E-04	2.41E-04	7.42E-03	1.08E-03	5.87E-09	7.47E-06	6.57E-06	1.09E-03	1.37E-03	5.44E-03	5.60E-04	2.41E-04	7.61E-03
3503	472863.09	3849877.25	0.29011	0.18697	0.0894	0.08338	1.17E-03	5.58E-03	5.70E-04	2.63E-04	7.58E-03	1.07E-03	6.03E-09	7.61E-06	7.18E-06	1.08E-03	1.36E-03	5.58E-03	5.70E-04	2.63E-04	7.77E-03
3504	473363.09	3849877.25	0.26093	0.23874	0.0892	0.07527	1.05E-03	7.12E-03	5.69E-04	2.38E-04	8.98E-03	9.59E-04	7.69E-09	7.58E-06	6.48E-06	9.73E-04	1.22E-03	7.12E-03	5.69E-04	2.38E-04	9.15E-03
3505	473863.09	3849877.25	0.30414	0.22061	0.087	0.067	1.23E-03	6.58E-03	5.55E-04	2.12E-04	8.58E-03	1.12E-03	7.11E-09	7.40E-06	5.77E-06	1.13E-03	1.42E-03	6.58E-03	5.55E-04	2.12E-04	8.77E-03
3506	474363.09	3849877.25	0.36179	0.21641	0.1135	0.07219	1.46E-03	6.46E-03	7.24E-04	2.28E-04	8.87E-03	1.33E-03	6.98E-09	9.65E-06	6.22E-06	1.35E-03	1.69E-03	6.46E-03	7.24E-04	2.28E-04	9.10E-03
3507	474863.09	3849877.25	0.42497	0.22312	0.1565	0.07727	1.72E-03	6.66E-03	9.98E-04	2.44E-04	9.62E-03	1.56E-03	7.19E-09	1.33E-05	6.65E-06	1.58E-03	1.99E-03	6.66E-03	9.98E-04	2.44E-04	9.89E-03
3508	475363.09	3849877.25	0.41982	0.22666	0.1503	0.08741	1.70E-03	6.76E-03	9.59E-04	2.76E-04	9.69E-03	1.54E-03	7.31E-09	1.28E-05	7.53E-06	1.56E-03	1.96E-03	6.76E-03	9.59E-04	2.76E-04	9.96E-03
3509	475863.09	3849877.25	0.45436	0.24576	0.1229	0.06777	1.84E-03	7.33E-03	7.84E-04	2.14E-04	1.02E-02	1.67E-03	7.92E-09	1.04E-05	5.84E-06	1.69E-03	2.12E-03	7.33E-03	7.84E-04	2.14E-04	1.05E-02
3510	476363.09	3849877.25	0.43072	0.2448	0.1052	0.08549	1.74E-03	7.30E-03	6.71E-04	2.70E-04	9.98E-03	1.58E-03	7.89E-09	8.94E-06	7.36E-06	1.60E-03	2.01E-03	7.30E-03	6.71E-04	2.70E-04	1.03E-02
3511	476863.09	3849877.25	0.42274	0.27087	0.0836	0.08845	1.71E-03	8.08E-03	5.33E-04	2.79E-04	1.06E-02	1.55E-03	8.73E-09	7.11E-06	7.62E-06	1.57E-03	1.98E-03	8.08E-03	5.33E-04	2.79E-04	1.09E-02
3512	477363.09	3849877.25	0.42468	0.32491	0.104	0.08476	1.72E-03	9.69E-03	6.64E-04	2.68E-04	1.23E-02	1.56E-03	1.05E-08	8.85E-06	7.30E-06	1.58E-03	1.99E-03	9.69E-03	6.64E-04	2.68E-04	1.26E-02
3513	477863.09	3849877.25	0.47063	0.31103	0.1228	0.06942	1.90E-03	9.28E-03	7.83E-04	2.19E-04	1.22E-02	1.73E-03	1.00E-08	1.04E-05	5.98E-06	1.75E-03	2.20E-03	9.28E-03	7.83E-04	2.19E-04	1.25E-02
3514	478363.09	3849877.25	0.43728	0.22231	0.1442	0.08831	1.77E-03	6.63E-03	9.20E-04	2.79E-04	9.60E-03	1.61E-03	7.17E-09	1.23E-05	7.60E-06	1.63E-03	2.04E-03	6.63E-03	9.20E-04	2.79E-04	9.88E-03
3515	478863.09	3849877.25	0.60855	0.22858	0.1339	0.08243	2.46E-03	6.82E-03	8.54E-04	2.60E-04	1.04E-02	2.24E-03	7.37E-09	1.14E-05	7.10E-06	2.26E-03	2.85E-03	6.82E-03	8.54E-04	2.60E-04	1.08E-02
3516	479363.09	3849877.25	0.77915	0.16666	0.0909	0.08644	3.15E-03	4.97E-03	5.80E-04	2.73E-04	8.97E-03	2.86E-03	5.37E-09	7.73E-06	7.44E-06	2.88E-03	3.64E-03	4.97E-03	5.80E-04	2.73E-04	9.47E-03
3517	479863.09	3849877.25	0.73459	0.14882	0.1467	0.09486	2.97E-03	4.44E-03	9.36E-04	3.00E-04	8.64E-03	2.70E-03	4.80E-09	1.25E-05	8.17E-06	2.72E-03	3.44E-03	4.44E-03	9.36E-04	3.00E-04	9.11E-03
3518	480363.09	3849877.25	0.70344	0.11216	0.1941	0.08825	2.84E-03	3.35E-03	1.24E-03	2.79E-04	7.71E-03	2.59E-03	3.61E-09	1.65E-05	7.60E-06	2.61E-03	3.29E-03	3.35E-03	1.24E-03	2.79E-04	8.15E-03
3519	480863.09	3849877.25	0.38897	0.11091	0.1861	0.09595	1.57E-03	3.31E-03	1.19E-03	3.03E-04	6.37E-03	1.43E-03	3.57E-09	1.58E-05	8.26E-06	1.45E-03	1.82E-03	3.31E-03	1.19E-03	3.03E-04	6.62E-03
3520	481363.09	3849877.25	0.35639	0.08315	0.1651	0.09611	1.44E-03	2.48E-03	1.05E-03	3.03E-04	5.28E-03	1.31E-03	2.68E-09	1.40E-05	8.28E-06	1.33E-03	1.67E-03	2.48E-03	1.05E-03	3.03E-04	5.50E-03
3521	481863.09	3849877.25	0.1567	0.04647	0.2176	0.08839	6.33E-04	1.39E-03	1.39E-03	2.79E-04	3.69E-03	5.76E-04	1.50E-09	1.85E-05	7.61E-06	6.02E-04	7.33E-04	1.39E-03	1.39E-03	2.79E-04	3.79E-03
3522	482363.09	3849877.25	0.12511	0.04005	0.1891	0.0807	5.06E-04	1.19E-03	1.21E-03	2.55E-04	3.16E-03	4.60E-04	1.29E-09	1.61E-05	6.95E-06	4.83E-04	5.85E-04	1.19E-03	1.21E-03	2.55E-04	3.24E-03
3523	482863.09	3849877.25	0.09367	0.03959	0.1099	0.07407	3.79E-04	1.18E-03	7.01E-04	2.34E-04	2.49E-03	3.44E-04	1.28E-09	9.35E-06	6.38E-06	3.60E-04	4.38E-04	1.18E-03	7.01E-04	2.34E-04	2.55E-03
3524	483363.09	3849877.25	0.08891	0.04307	0.1622	0.06983	3.59E-04	1.28E-03	1.03E-03	2.20E-04	2.90E-03	3.27E-04	1.39E-09	1.38E-05	6.01E-06	3.47E-04	4.16E-04	1.28E-03	1.03E-03	2.20E-04	2.96E-03
3525	483863.09	3849877.25	0.09007	0.04521	0.255	0.0736	3.64E-04	1.35E-03	1.63E-03	2.32E-04	3.57E-03	3.31E-04	1.46E-09	2.17E-05	6.34E-06	3.59E-04	4.21E-04	1.35E-03	1.63E-03	2.32E-04	3.63E-03
3526	484363.09	3849877.25	0.0971	0.04681	0.201	0.09553	3.92E-04	1.40E-03	1.28E-03	3.02E-04	3.37E-03	3.57E-04	1.51E-09	1.71E-05	8.23E-06	3.82E-04	4.54E-04	1.40E-03	1.28E-03	3.02E-04	3.43E-03
3527	484863.09	3849877.25	0.12686	0.04653	0.2919	0.10157	5.13E-04	1.39E-03	1.86E-03	3.21E-04	4.08E-03	4.66E-04	1.50E-09	2.48E-05	8.75E-06	5.00E-04	5.93E-04	1.39E-03	1.86E-03	3.21E-04	4.16E-03
3528	485363.09	3849877.25	0.11444	0.04139	0.3882	0.09722	4.63E-04	1.23E-03	2.48E-03	3.07E-04	4.48E-03	4.21E-04	1.33E-09	3.30E-05	8.37E-06	4.62E-04	5.35E-04	1.23E-03	2.48E-03	3.07E-04	4.55E-03
3529	485863.09	3849877.25	0.0972	0.03636	0.3849	0.09523	3.93E-04	1.08E-03	2.45E-03	3.01E-04	4.23E-03	3.57E-04	1.17E-09	3.27E-05	8.20E-06	3.98E-04	4.55E-04	1.08E-03	2.45E-03	3.01E-04	4.29E-03
3530	486363.09	3849877.25	0.08514	0.03542	0.2933	0.07125	3.44E-04	1.06E-03	1.87E-03	2.25E-04	3.50E-03	3.13E-04	1.14E-09	2.49E-05	6.14E-06	3.44E-04	3.98E-04	1.06E-03	1.87E-03	2.25E-04	3.55E-03
3531	486863.09	3849877.25	0.08234	0.03761	0.2314	0.07833	3.33E-04	1.12E-03	1.48E-03	2.47E-04	3.18E-03	3.03E-04	1.21E-09	1.97E-05	6.75E-06	3.29E-04	3.85E-04	1.12E-03	1.48E-03	2.47E-04	3.23E-03
3532	487363.09	3849877.25	0.07822	0.04172	0.1199	0.06464	3.16E-04	1.24E-03	7.65E-04	2.04E-04	2.53E-03	2.88E-04	1.34E-09	1.02E-05	5.57E-06	3.03E-04	3.66E-04	1.24E-03	7.65E-04	2.04E-04	2.58E-03
3533	487863.09	3849877.25	0.06405	0.04081	0.1023	0.06737	2.59E-04	1.22E-03	6.53E-04	2.13E-04	2.34E-03	2.35E-04	1.32E-09	8.70E-06	5.80E-06	2.50E-04	3.00E-04	1.22E-03	6.53E-04	2.13E-04	2.38E-03
3534	488363.09	3849877.25	0.05878	0.034	0.083	0.06779	2.38E-04	1.01E-03	5.29E-04	2.14E-04	2.00E-03	2.16E-04	1.10E-09	7.06E-06	5.84E-06	2.29E-04	2.75E-04	1.01E-03	5.29E-04	2.14E-04	2.03E-03

3535	488863.09	3849877.25	0.07361	0.03082	0.2639	0.08351	2.98E-04	9.19E-04	1.68E-03	2.64E-04	3.16E-03	2.71E-04	9.93E-10	2.24E-05	7.19E-06	3.00E-04	3.44E-04	9.19E-04	1.68E-03	2.64E-04	3.21E-03
3536	489363.09	3849877.25	0.06495	0.03056	0.3298	0.0926	2.63E-04	9.12E-04	2.10E-03	2.92E-04	3.57E-03	2.39E-04	9.85E-10	2.80E-05	7.97E-06	2.75E-04	3.04E-04	9.12E-04	2.10E-03	2.92E-04	3.61E-03
3537	489863.09	3849877.25	0.05929	0.02649	0.3245	0.0916	2.40E-04	7.90E-04	2.07E-03	2.89E-04	3.39E-03	2.18E-04	8.54E-10	2.76E-05	7.89E-06	2.53E-04	2.77E-04	7.90E-04	2.07E-03	2.89E-04	3.43E-03
3538	490363.09	3849877.25	0.05443	0.024	0.1632	0.07234	2.20E-04	7.16E-04	1.04E-03	2.28E-04	2.21E-03	2.00E-04	7.74E-10	1.39E-05	6.23E-06	2.20E-04	2.55E-04	7.16E-04	1.04E-03	2.28E-04	2.24E-03
3539	490863.09	3849877.25	0.06174	0.02454	0.1756	0.0707	2.50E-04	7.32E-04	1.12E-03	2.23E-04	2.33E-03	2.27E-04	7.91E-10	1.49E-05	6.09E-06	2.48E-04	2.89E-04	7.32E-04	1.12E-03	2.23E-04	2.36E-03
3540	491363.09	3849877.25	0.05713	0.02522	0.2206	0.065	2.31E-04	7.52E-04	1.41E-03	2.05E-04	2.60E-03	2.10E-04	8.13E-10	1.88E-05	5.60E-06	2.34E-04	2.67E-04	7.52E-04	1.41E-03	2.05E-04	2.63E-03
3541	491863.09	3849877.25	0.04181	0.02281	0.1759	0.06316	1.69E-04	6.80E-04	1.12E-03	1.99E-04	2.17E-03	1.54E-04	7.35E-10	1.50E-05	5.44E-06	1.74E-04	1.96E-04	6.80E-04	1.12E-03	1.99E-04	2.20E-03
3542	492363.09	3849877.25	0.0363	0.02043	0.1411	0.0576	1.47E-04	6.09E-04	9.00E-04	1.82E-04	1.84E-03	1.33E-04	6.58E-10	1.20E-05	4.96E-06	1.50E-04	1.70E-04	6.09E-04	9.00E-04	1.82E-04	1.86E-03
3543	492863.09	3849877.25	0.03578	0.01957	0.1543	0.05341	1.45E-04	5.84E-04	9.84E-04	1.69E-04	1.88E-03	1.32E-04	6.31E-10	1.31E-05	4.60E-06	1.49E-04	1.67E-04	5.84E-04	9.84E-04	1.69E-04	1.90E-03
3544	493363.09	3849877.25	0.03308	0.02333	0.1464	0.04949	1.34E-04	6.96E-04	9.34E-04	1.56E-04	1.92E-03	1.22E-04	7.52E-10	1.25E-05	4.26E-06	1.38E-04	1.55E-04	6.96E-04	9.34E-04	1.56E-04	1.94E-03
3545	493863.09	3849877.25	0.03072	0.02461	0.18	0.05391	1.24E-04	7.34E-04	1.15E-03	1.70E-04	2.18E-03	1.13E-04	7.93E-10	1.53E-05	4.64E-06	1.33E-04	1.44E-04	7.34E-04	1.15E-03	1.70E-04	2.20E-03
3546	494363.09	3849877.25	0.04357	0.02127	0.1947	0.0632	1.76E-04	6.35E-04	1.24E-03	2.00E-04	2.25E-03	1.60E-04	6.86E-10	1.66E-05	5.44E-06	1.82E-04	2.04E-04	6.35E-04	1.24E-03	2.00E-04	2.28E-03
3547	494863.09	3849877.25	0.04502	0.02536	0.2607	0.0578	1.82E-04	7.57E-04	1.66E-03	1.82E-04	2.78E-03	1.66E-04	8.17E-10	2.22E-05	4.98E-06	1.93E-04	2.11E-04	7.57E-04	1.66E-03	1.82E-04	2.81E-03
3548	495363.09	3849877.25	0.04667	0.02366	0.2609	0.05525	1.89E-04	7.06E-04	1.66E-03	1.74E-04	2.73E-03	1.72E-04	7.63E-10	2.22E-05	4.76E-06	1.99E-04	2.18E-04	7.06E-04	1.66E-03	1.74E-04	2.76E-03
3549	495863.09	3849877.25	0.05571	0.02503	0.2813	0.06028	2.25E-04	7.47E-04	1.79E-03	1.90E-04	2.96E-03	2.05E-04	8.07E-10	2.39E-05	5.19E-06	2.34E-04	2.61E-04	7.47E-04	1.79E-03	1.90E-04	2.99E-03
3550	496363.09	3849877.25	0.05972	0.02467	0.3097	0.06088	2.41E-04	7.36E-04	1.98E-03	1.92E-04	3.15E-03	2.20E-04	7.95E-10	2.63E-05	5.24E-06	2.51E-04	2.79E-04	7.36E-04	1.98E-03	1.92E-04	3.18E-03
3551	496863.09	3849877.25	0.05842	0.02503	0.2689	0.06348	2.36E-04	7.47E-04	1.72E-03	2.00E-04	2.90E-03	2.15E-04	8.07E-10	2.29E-05	5.47E-06	2.43E-04	2.73E-04	7.47E-04	1.72E-03	2.00E-04	2.94E-03
3552	497363.09	3849877.25	0.06861	0.02632	0.2474	0.06343	2.77E-04	7.85E-04	1.58E-03	2.00E-04	2.84E-03	2.52E-04	8.48E-10	2.10E-05	5.46E-06	2.79E-04	3.21E-04	7.85E-04	1.58E-03	2.00E-04	2.88E-03
3553	497863.09	3849877.25	0.07503	0.02874	0.1973	0.06359	3.03E-04	8.57E-04	1.26E-03	2.01E-04	2.62E-03	2.76E-04	9.26E-10	1.68E-05	5.48E-06	2.98E-04	3.51E-04	8.57E-04	1.26E-03	2.01E-04	2.67E-03
3554	498363.09	3849877.25	0.06512	0.02736	0.1914	0.06254	2.63E-04	8.16E-04	1.22E-03	1.97E-04	2.50E-03	2.39E-04	8.82E-10	1.63E-05	5.39E-06	2.61E-04	3.05E-04	8.16E-04	1.22E-03	1.97E-04	2.54E-03
3555	471363.09	3850377.25	0.13919	0.07574	0.0964	0.05638	5.63E-04	2.26E-03	6.15E-04	1.78E-04	3.61E-03	5.12E-04	2.44E-09	8.19E-06	4.85E-06	5.25E-04	6.51E-04	2.26E-03	6.15E-04	1.78E-04	3.70E-03
3556	471863.09	3850377.25	0.20825	0.0974	0.0905	0.06027	8.42E-04	2.91E-03	5.77E-04	1.90E-04	4.52E-03	7.66E-04	3.14E-09	7.70E-06	5.19E-06	7.79E-04	9.74E-04	2.91E-03	5.77E-04	1.90E-04	4.65E-03
3557	472363.09	3850377.25	0.25463	0.13022	0.0839	0.07609	1.03E-03	3.88E-03	5.35E-04	2.40E-04	5.69E-03	9.36E-04	4.20E-09	7.13E-06	6.55E-06	9.50E-04	1.19E-03	3.88E-03	5.35E-04	2.40E-04	5.85E-03
3558	472863.09	3850377.25	0.30084	0.17473	0.0629	0.06611	1.22E-03	5.21E-03	4.01E-04	2.09E-04	7.04E-03	1.11E-03	5.63E-09	5.35E-06	5.69E-06	1.12E-03	1.41E-03	5.21E-03	4.01E-04	2.09E-04	7.23E-03
3559	473363.09	3850377.25	0.32728	0.18176	0.0954	0.08641	1.32E-03	5.42E-03	6.09E-04	2.73E-04	7.63E-03	1.20E-03	5.86E-09	8.11E-06	7.44E-06	1.22E-03	1.53E-03	5.42E-03	6.09E-04	2.73E-04	7.83E-03
3560	473863.09	3850377.25	0.32253	0.2108	0.0908	0.09039	1.30E-03	6.29E-03	5.79E-04	2.85E-04	8.46E-03	1.19E-03	6.79E-09	7.72E-06	7.78E-06	1.20E-03	1.51E-03	6.29E-03	5.79E-04	2.85E-04	8.66E-03
3561	474363.09	3850377.25	0.29099	0.24933	0.0937	0.0768	1.18E-03	7.44E-03	5.98E-04	2.42E-04	9.45E-03	1.07E-03	8.04E-09	7.97E-06	6.61E-06	1.08E-03	1.36E-03	7.44E-03	5.98E-04	2.42E-04	9.64E-03
3562	474863.09	3850377.25	0.32998	0.23464	0.1008	0.07063	1.33E-03	7.00E-03	6.43E-04	2.23E-04	9.20E-03	1.21E-03	7.56E-09	8.57E-06	6.08E-06	1.23E-03	1.54E-03	7.00E-03	6.43E-04	2.23E-04	9.41E-03
3563	475363.09	3850377.25	0.41113	0.24597	0.1405	0.07947	1.66E-03	7.34E-03	8.96E-04	2.51E-04	1.01E-02	1.51E-03	7.93E-09	1.19E-05	6.84E-06	1.53E-03	1.92E-03	7.34E-03	8.96E-04	2.51E-04	1.04E-02
3564	475863.09	3850377.25	0.47939	0.22684	0.1781	0.09109	1.94E-03	6.77E-03	1.14E-03	2.88E-04	1.01E-02	1.76E-03	7.31E-09	1.51E-05	7.84E-06	1.79E-03	2.24E-03	6.77E-03	1.14E-03	2.88E-04	1.04E-02
3565	476363.09	3850377.25	0.44598	0.25751	0.1483	0.07525	1.80E-03	7.68E-03	9.46E-04	2.38E-04	1.07E-02	1.64E-03	8.30E-09	1.26E-05	6.48E-06	1.66E-03	2.09E-03	7.68E-03	9.46E-04	2.38E-04	1.10E-02
3566	476863.09	3850377.25	0.50982	0.26306	0.1181	0.08598	2.06E-03	7.85E-03	7.53E-04	2.71E-04	1.09E-02	1.87E-03	8.48E-09	1.00E-05	7.40E-06	1.89E-03	2.38E-03	7.85E-03	7.53E-04	2.71E-04	1.13E-02
3567	477363.09	3850377.25	0.4456	0.30256	0.0898	0.09121	1.80E-03	9.03E-03	5.73E-04	2.88E-04	1.17E-02	1.64E-03	9.75E-09	7.64E-06	7.85E-06	1.65E-03	2.08E-03	9.03E-03	5.73E-04	2.88E-04	1.20E-02
3568	477863.09	3850377.25	0.46037	0.34651	0.1029	0.08878	1.86E-03	1.03E-02	6.56E-04	2.80E-04	1.31E-02	1.69E-03	1.12E-08	8.75E-06	7.64E-06	1.71E-03	2.15E-03	1.03E-02	6.56E-04	2.80E-04	1.34E-02
3569	478363.09	3850377.25	0.49011	0.33164	0.1251	0.07311	1.98E-03	9.89E-03	7.98E-04	2.31E-04	1.29E-02	1.80E-03	1.07E-08	1.06E-05	6.30E-06	1.82E-03	2.29E-03	9.89E-03	7.98E-04	2.31E-04	1.32E-02
3570	478863.09	3850377.25	0.42647	0.28642	0.1481	0.09558	1.72E-03	8.54E-03	9.44E-04	3.02E-04	1.15E-02	1.57E-03	9.23E-09	1.26E-05	8.23E-06	1.59E-03	1.99E-03	8.54E-03	9.44E-04	3.02E-04	1.18E-02
3571	479363.09	3850377.25	0.57855	0.28092	0.1463	0.08766	2.34E-03	8.38E-03	9.33E-04	2.77E-04	1.19E-02	2.13E-03	9.05E-09	1.24E-05	7.55E-06	2.15E-03	2.71E-03	8.38E-03	9.33E-04	2.77E-04	1.23E-02
3572	479863.09	3850377.25	0.84208	0.19617	0.099	0.09104	3.40E-03	5.85E-03	6.32E-04	2.87E-04	1.02E-02	3.10E-03	6.32E-09	8.42E-06	7.84E-06	3.11E-03	3.94E-03	5.85E-03	6.32E-04	2.87E-04	1.07E-02
3573	480363.09	3850377.25	0.87037	0.16993	0.1574	0.09833	3.52E-03	5.07E-03	1.00E-03	3.10E-04	9.90E-03	3.20E-03	5.48E-09	1.34E-05	8.47E-06	3.22E-03	4.07E-03	5.07E-03	1.00E-03	3.10E-04	1.05E-02
3574	480863.09	3850377.25	0.81266	0.16228	0.2033	0.10669	3.28E-03	4.84E-03	1.30E-03	3.37E-04	9.76E-03	2.99E-03	5.23E-09	1.73E-05	9.19E-06	3.01E-03	3.80E-03	4.84E-03	1.30E-03	3.37E-04	1.03E-02
3575	481363.09	3850377.25	0.46512	0.11579	0.1948	0.10022	1.88E-03	3.45E-03	1.24E-03	3.16E-04	6.89E-03	1.71E-03	3.73E-09	1.66E-05	8.63E-06	1.74E-03	2.18E-03	3.45E-03	1.24E-03	3.16E-04	7.19E-03
3576	481863.09	3850377.25	0.37057	0.0832	0.1799	0.12202	1.50E-03	2.48E-03	1.15E-03	3.85E-04	5.51E-03	1.36E-03	2.68E-09	1.53E-05	1.05E-05	1.39E-03	1.73E-03	2.48E-03	1.15E-03	3.85E-04	5.75E-03
3577	482363.09	3850377.25	0.23605	0.05875	0.2446	0.12443	9.54E-04	1.75E-03	1.56E-03	3.93E-04	4.66E-03	8.68E-04	1.89E-09	2.08E-05	1.07E-05	8.99E-04	1.10E-03	1.75E-03	1.56E-03	3.93E-04	4.81E-03
3578	482863.09	3850377.25	0.14797	0.04353	0.1691	0.07792	5.98E-04	1.30E-03	1.08E-03	2.46E-04	3.22E-03	5.44E-04	1.40E-09	1.44E-05	6.71E-06	5.65E-04	6.92E-04	1.30E-03	1.08E-03	2.46E-04	3.32E-03
3579	483363.09	3850377.25	0.11015	0.0492	0.1243	0.07563	4.45E-04	1.47E-03	7.93E-04	2.39E-04	2.94E-03	4.05E-04	1.59E-09	1.06E-05	6.51E-06	4.22E-04	5.15E-04	1.47E-03	7.93E-04	2.39E-04	3.01E-03
3580	483863.09	3850377.25	0.11339	0.05153	0.2081	0.07928	4.58E-04	1.54E-03	1.33E-03	2.50E-04	3.57E-03	4.17E-04	1.66E-09	1.77E-05	6.83E-06	4.41E-04	5.30E-04	1.54E-03	1.33E-03	2.50E-04	3.65E-03
3581	484363.09	3850377.25	0.13435	0.05142	0.2913	0.10016	5.43E-04	1.53E-03	1.86E-03	3.16E-04	4.25E-03	4.94E-04	1.66E-09	2.48E-05	8.62E-06	5.27E-04	6.28E-04	1.53E-03	1.86E-03	3.16E-04	4.34E-03
3582	484863.09	3850377.25	0.15015	0.04959	0.2274	0.10043	6.07E-04	1.48E-03	1.45E-03	3.17E-04	3.85E-03	5.52E-04	1.60E-09	1.93E-05	8.65E-06	5.80E-04	7.02E-04	1.48E-03	1.45E-03	3.17E-04	3.95E-03
3583	485363.09	3850377.25	0.15138	0.04795	0.4226	0.11218	6.12E-04	1.43E-03	2.70E-03	3.54E-04	5.09E-03	5.57E-04	1.55E-09	3.59E-05	9.66E-06	6.02E-04	7.08E-04	1.43E-03	2.70E-03	3.54E-04	5.19E-03
3584	485863.09	3850377.25	0.11355	0.04408	0.5157	0.09874	4.59E-04	1.32E-03	3.29E-03	3.12E-04	5.38E-03	4.17E-04	1.42E-09	4.39E-05	8.50E-06	4.70E-04	5.31E-04	1.32E-03	3.29E-03	3.12E-04	5.45E-03
3585	486363.09	3850377.25	0.10011	0.04414	0.376	0.0804	4.05E-04	1.32E-03	2.40E-03	2.54E-04	4.37E-03	3.68E-04	1.42E-09	3.20E-05	6.92E-06	4.07E-04	4.68E-04	1.32E-03	2.40E-03	2.54E-04	4.44E-03
3586	486863.09	3850377.25	0.10805	0.04814	0.2941	0.09184	4.37E-04	1.44E-03	1.88E-03	2.90E-04	4.04E-03	3.97E-04	1.55E-09	2.50E-05	7.91E-06	4.30E-04	5.05E-04	1.44E-03	1.88E-03	2.90E-04	4.11E-03
3587	487363.09	3850377.25	0.09764	0.04357	0.1302	0.07658	3.95E-04	1.30E-03	8.31E-04	2.42E-04	2.77E-03	3.59E-04	1.40E-09	1.11E-05	6.59E-06	3.77E-04	4.57E-04	1.30E-03	8.31E-04	2.42E-04	2.83E-03
3588	487863.09	3850377.25	0.07329	0.04123	0.1077	0.07717	2.96E-04	1.23E-03	6.87E-04	2.44E-04	2.46E-03	2.69E-04	1.33E-09	9.16E-06	6.65E-06	2.85E-04	3.43E-04	1.23E-03	6.87E-04	2.44E-04	2.50E-03
3589	488363.09	3850377.25	0.08385	0.0354	0.0875	0.08651	3.39E-04	1.06E-03	5.58E-04	2.73E-04	2.23E-03	3.08E-04	1.14E-09	7.44E-06	7.45E-06	3.23E-04	3.92E-04	1.06E-03	5.58E-04	2.73E-04	2.28E-03
3590	488863.09	3850377.25	0.07875	0.03194	0.3126	0.0883	3.18E-04	9.53E-04	1.99E-03	2.79E-04	3.54E-03	2.90E-04	1.03E-09	2.66E-05	7.60E-06	3.24E-04	3.68E-04	9.53E-04	1.99E-03	2.79E-04	3.59E-03
3591	489363.09	3850377.25	0.06986	0.0322	0.3295	0.09752	2.82E-04	9.61E-04	2.10E-03	3.08E-04	3.65E-03	2.57E-04	1.04E-09	2.80E-05	8.40E-06	2.93E-04	3.27E-04	9.61E-04	2.10E-03	3.08E-04	3.70E-03
3592	489863.09	3850377.25	0.06896	0.02922	0.2771	0.08987	2.79E-04	8.72E-04	1.77E-03	2.84E-04	3.20E-03	2.54E-04	9.42E-10	2.36E-05	7.74E-06	2.85E-04	3.22E-04	8.72E-04	1.77E-03	2.84E-04	3.25E-03
3593	490363.09	3850377.25	0.0693	0.02715	0.1581	0.07934	2.80E-04	8.10E-04	1.01E-03	2.51E-04	2.35E-03	2.55E-04	8.75E-10	1.34E-05	6.83E-06	2.75E-04	3.24E-04	8.10E-04	1.01E-03	2.51E-04	2.39E-03
3594	490863.09	3850377.25	0.06296	0.02997	0.1739	0.0825	2.54E-04	8.94E-04	1.11E-03	2.60E-04	2.52E-03	2.31E-04	9.66E-10	1.48E-05	7.10E-06	2.53E-04	2.94E-04	8.94E-04	1.11E-03	2.60E-04	2.56E-03
3595	491363.09	3850377.25	0.06149	0.0263	0.2978	0.07335	2.49E-04	7.85E-04	1.90E-03	2.32E-04	3.16E-03	2.26E-04	8.48E-10	2.53E-05	6.32E-06	2.58E-04	2.88E-04	7.85E-04	1.90E-03	2.32E-04	3.20E-03

3596	491863.09	3850377.25	0.04753	0.02147	0.177	0.0634	1.92E-04	6.41E-04	1.13E-03	2.00E-04	2.16E-03	1.75E-04	6.92E-10	1.50E-05	5.46E-06	1.95E-04	2.22E-04	6.41E-04	1.13E-03	2.00E-04	2.19E-03
3597	492363.09	3850377.25	0.04276	0.02275	0.1643	0.0653	1.73E-04	6.79E-04	1.05E-03	2.06E-04	2.11E-03	1.57E-04	7.33E-10	1.40E-05	5.62E-06	1.77E-04	2.00E-04	6.79E-04	1.05E-03	2.06E-04	2.13E-03
3598	492863.09	3850377.25	0.04679	0.02412	0.1653	0.06456	1.89E-04	7.20E-04	1.05E-03	2.04E-04	2.17E-03	1.72E-04	7.77E-10	1.41E-05	5.56E-06	1.92E-04	2.19E-04	7.20E-04	1.05E-03	2.04E-04	2.20E-03
3599	493363.09	3850377.25	0.0442	0.02611	0.1819	0.05808	1.79E-04	7.79E-04	1.16E-03	1.83E-04	2.30E-03	1.63E-04	8.42E-10	1.55E-05	5.00E-06	1.83E-04	2.07E-04	7.79E-04	1.16E-03	1.83E-04	2.33E-03
3600	493863.09	3850377.25	0.04664	0.02626	0.2216	0.06027	1.89E-04	7.83E-04	1.41E-03	1.90E-04	2.58E-03	1.71E-04	8.46E-10	1.88E-05	5.19E-06	1.96E-04	2.18E-04	7.83E-04	1.41E-03	1.90E-04	2.61E-03
3601	494363.09	3850377.25	0.05332	0.02776	0.2765	0.06179	2.16E-04	8.28E-04	1.76E-03	1.95E-04	3.00E-03	1.96E-04	8.95E-10	2.35E-05	5.32E-06	2.25E-04	2.49E-04	8.28E-04	1.76E-03	1.95E-04	3.04E-03
3602	494863.09	3850377.25	0.06271	0.02823	0.3131	0.06419	2.53E-04	8.42E-04	2.00E-03	2.03E-04	3.30E-03	2.31E-04	9.10E-10	2.66E-05	5.53E-06	2.63E-04	2.93E-04	8.42E-04	2.00E-03	2.03E-04	3.34E-03
3603	495363.09	3850377.25	0.06667	0.02975	0.3516	0.06136	2.69E-04	8.88E-04	2.24E-03	1.94E-04	3.59E-03	2.45E-04	9.59E-10	2.99E-05	5.28E-06	2.80E-04	3.12E-04	8.88E-04	2.24E-03	1.94E-04	3.64E-03
3604	495863.09	3850377.25	0.06479	0.02796	0.3262	0.06655	2.62E-04	8.34E-04	2.08E-03	2.10E-04	3.39E-03	2.38E-04	9.01E-10	2.77E-05	5.73E-06	2.72E-04	3.03E-04	8.34E-04	2.08E-03	2.10E-04	3.43E-03
3605	496363.09	3850377.25	0.06991	0.02986	0.3334	0.07026	2.83E-04	8.91E-04	2.13E-03	2.22E-04	3.52E-03	2.57E-04	9.62E-10	2.84E-05	6.05E-06	2.91E-04	3.27E-04	8.91E-04	2.13E-03	2.22E-04	3.57E-03
3606	496863.09	3850377.25	0.08181	0.03132	0.2526	0.06656	3.31E-04	9.34E-04	1.61E-03	2.10E-04	3.09E-03	3.01E-04	1.01E-09	2.15E-05	5.73E-06	3.28E-04	3.83E-04	9.34E-04	1.61E-03	2.10E-04	3.14E-03
3607	497363.09	3850377.25	0.08217	0.03146	0.2303	0.06728	3.32E-04	9.39E-04	1.47E-03	2.12E-04	2.95E-03	3.02E-04	1.01E-09	1.96E-05	5.79E-06	3.27E-04	3.84E-04	9.39E-04	1.47E-03	2.12E-04	3.00E-03
3608	497863.09	3850377.25	0.0831	0.03266	0.2034	0.06608	3.36E-04	9.74E-04	1.30E-03	2.09E-04	2.82E-03	3.06E-04	1.05E-09	1.73E-05	5.69E-06	3.29E-04	3.89E-04	9.74E-04	1.30E-03	2.09E-04	2.87E-03
3609	498363.09	3850377.25	0.08396	0.03357	0.2241	0.06796	3.39E-04	1.00E-03	1.43E-03	2.15E-04	2.98E-03	3.09E-04	1.08E-09	1.91E-05	5.85E-06	3.34E-04	3.93E-04	1.00E-03	1.43E-03	2.15E-04	3.04E-03
3610	471363.09	3850877.25	0.16828	0.07409	0.1699	0.07507	6.80E-04	2.21E-03	1.08E-03	2.37E-04	4.21E-03	6.19E-04	2.39E-09	1.44E-05	6.46E-06	6.40E-04	7.87E-04	2.21E-03	1.08E-03	2.37E-04	4.32E-03
3611	471863.09	3850877.25	0.21209	0.08714	0.1573	0.06893	8.57E-04	2.60E-03	1.00E-03	2.18E-04	4.68E-03	7.80E-04	2.81E-09	1.34E-05	5.94E-06	7.99E-04	9.92E-04	2.60E-03	1.00E-03	2.18E-04	4.81E-03
3612	472363.09	3850877.25	0.24903	0.10857	0.122	0.06252	1.01E-03	3.24E-03	7.78E-04	1.97E-04	5.22E-03	9.16E-04	3.50E-09	1.04E-05	5.38E-06	9.31E-04	1.16E-03	3.24E-03	7.78E-04	1.97E-04	5.38E-03
3613	472863.09	3850877.25	0.2631	0.14087	0.0951	0.06581	1.06E-03	4.20E-03	6.07E-04	2.08E-04	6.08E-03	9.67E-04	4.54E-09	8.09E-06	5.67E-06	9.81E-04	1.23E-03	4.20E-03	6.07E-04	2.08E-04	6.25E-03
3614	473363.09	3850877.25	0.28775	0.14389	0.0942	0.08076	1.16E-03	4.29E-03	6.01E-04	2.55E-04	6.31E-03	1.06E-03	4.64E-09	8.01E-06	6.95E-06	1.07E-03	1.35E-03	4.29E-03	6.01E-04	2.55E-04	6.49E-03
3615	473863.09	3850877.25	0.30444	0.17415	0.0679	0.07547	1.23E-03	5.20E-03	4.33E-04	2.38E-04	7.10E-03	1.12E-03	5.61E-09	5.77E-06	6.50E-06	1.13E-03	1.42E-03	5.20E-03	4.33E-04	2.38E-04	7.29E-03
3616	474363.09	3850877.25	0.35825	0.23373	0.1007	0.0971	1.45E-03	6.97E-03	6.43E-04	3.07E-04	9.37E-03	1.32E-03	7.53E-09	8.57E-06	8.36E-06	1.33E-03	1.68E-03	6.97E-03	6.43E-04	3.07E-04	9.60E-03
3617	474863.09	3850877.25	0.34916	0.26993	0.1004	0.09357	1.41E-03	8.05E-03	6.40E-04	2.95E-04	1.04E-02	1.28E-03	8.70E-09	8.54E-06	8.06E-06	1.30E-03	1.63E-03	8.05E-03	6.40E-04	2.95E-04	1.06E-02
3618	475363.09	3850877.25	0.32329	0.27283	0.0987	0.07819	1.31E-03	8.14E-03	6.30E-04	2.47E-04	1.03E-02	1.19E-03	8.79E-09	8.39E-06	6.73E-06	1.20E-03	1.51E-03	8.14E-03	6.30E-04	2.47E-04	1.05E-02
3619	475863.09	3850877.25	0.37086	0.27788	0.1246	0.07914	1.50E-03	8.29E-03	7.95E-04	2.50E-04	1.08E-02	1.36E-03	8.96E-09	1.06E-05	6.81E-06	1.38E-03	1.73E-03	8.29E-03	7.95E-04	2.50E-04	1.11E-02
3620	476363.09	3850877.25	0.45474	0.26884	0.1761	0.08929	1.84E-03	8.02E-03	1.12E-03	2.82E-04	1.13E-02	1.67E-03	8.66E-09	1.50E-05	7.69E-06	1.69E-03	2.13E-03	8.02E-03	1.12E-03	2.82E-04	1.16E-02
3621	476863.09	3850877.25	0.47985	0.28504	0.1783	0.09068	1.94E-03	8.50E-03	1.14E-03	2.86E-04	1.19E-02	1.76E-03	9.19E-09	1.52E-05	7.81E-06	1.79E-03	2.24E-03	8.50E-03	1.14E-03	2.86E-04	1.22E-02
3622	477363.09	3850877.25	0.49684	0.26375	0.1449	0.08579	2.01E-03	7.87E-03	9.24E-04	2.71E-04	1.11E-02	1.83E-03	8.50E-09	1.23E-05	7.39E-06	1.85E-03	2.32E-03	7.87E-03	9.24E-04	2.71E-04	1.14E-02
3623	477863.09	3850877.25	0.51263	0.32404	0.1119	0.09405	2.07E-03	9.67E-03	7.14E-04	2.97E-04	1.28E-02	1.88E-03	1.04E-08	9.52E-06	8.10E-06	1.90E-03	2.40E-03	9.67E-03	7.14E-04	2.97E-04	1.31E-02
3624	478363.09	3850877.25	0.52957	0.38711	0.1032	0.09299	2.14E-03	1.15E-02	6.58E-04	2.94E-04	1.46E-02	1.95E-03	1.25E-08	8.78E-06	8.01E-06	1.96E-03	2.48E-03	1.15E-02	6.58E-04	2.94E-04	1.50E-02
3625	478863.09	3850877.25	0.46073	0.41806	0.1371	0.07876	1.86E-03	1.25E-02	8.74E-04	2.49E-04	1.55E-02	1.69E-03	1.35E-08	1.17E-05	6.78E-06	1.71E-03	2.15E-03	1.25E-02	8.74E-04	2.49E-04	1.57E-02
3626	479363.09	3850877.25	0.53093	0.34184	0.1521	0.10251	2.15E-03	1.02E-02	9.70E-04	3.24E-04	1.36E-02	1.95E-03	1.10E-08	1.29E-05	8.83E-06	1.97E-03	2.48E-03	1.02E-02	9.70E-04	3.24E-04	1.40E-02
3627	479863.09	3850877.25	0.60952	0.31023	0.1596	0.09969	2.46E-03	9.26E-03	1.02E-03	3.15E-04	1.31E-02	2.24E-03	1.00E-08	1.36E-05	8.58E-06	2.26E-03	2.85E-03	9.26E-03	1.02E-03	3.15E-04	1.34E-02
3628	480363.09	3850877.25	0.78802	0.25701	0.1044	0.09805	3.19E-03	7.67E-03	6.66E-04	3.10E-04	1.18E-02	2.90E-03	8.28E-09	8.88E-06	8.44E-06	2.91E-03	3.69E-03	7.67E-03	6.66E-04	3.10E-04	1.23E-02
3629	480863.09	3850877.25	0.90349	0.24011	0.1705	0.10224	3.65E-03	7.16E-03	1.09E-03	3.23E-04	1.22E-02	3.32E-03	7.74E-09	1.45E-05	8.80E-06	3.34E-03	4.23E-03	7.16E-03	1.09E-03	3.23E-04	1.28E-02
3630	481363.09	3850877.25	0.8277	0.19492	0.2137	0.11225	3.35E-03	5.82E-03	1.36E-03	3.54E-04	1.09E-02	3.04E-03	6.28E-09	1.82E-05	9.67E-06	3.07E-03	3.87E-03	5.82E-03	1.36E-03	3.54E-04	1.14E-02
3631	481863.09	3850877.25	0.80897	0.14975	0.2031	0.11458	3.27E-03	4.47E-03	1.30E-03	3.62E-04	9.39E-03	2.97E-03	4.83E-09	1.73E-05	9.87E-06	3.00E-03	3.78E-03	4.47E-03	1.30E-03	3.62E-04	9.91E-03
3632	482363.09	3850877.25	0.43042	0.08856	0.2118	0.13606	1.74E-03	2.64E-03	1.35E-03	4.30E-04	6.16E-03	1.58E-03	2.85E-09	1.80E-05	1.17E-05	1.61E-03	2.01E-03	2.64E-03	1.35E-03	4.30E-04	6.44E-03
3633	482863.09	3850877.25	0.25108	0.05936	0.2531	0.1208	1.01E-03	1.77E-03	1.61E-03	3.81E-04	4.78E-03	9.23E-04	1.91E-09	2.15E-05	1.04E-05	9.55E-04	1.17E-03	1.77E-03	1.61E-03	3.81E-04	4.94E-03
3634	483363.09	3850877.25	0.19234	0.05702	0.1564	0.09057	7.77E-04	1.70E-03	9.97E-04	2.86E-04	3.76E-03	7.07E-04	1.84E-09	1.33E-05	7.80E-06	7.28E-04	8.99E-04	1.70E-03	9.97E-04	2.86E-04	3.88E-03
3635	483863.09	3850877.25	0.15394	0.05808	0.1991	0.08449	6.22E-04	1.73E-03	1.27E-03	2.67E-04	3.89E-03	5.66E-04	1.87E-09	1.69E-05	7.28E-06	5.90E-04	7.20E-04	1.73E-03	1.27E-03	2.67E-04	3.99E-03
3636	484363.09	3850877.25	0.18796	0.05891	0.2911	0.09986	7.60E-04	1.76E-03	1.86E-03	3.15E-04	4.69E-03	6.91E-04	1.90E-09	2.48E-05	8.60E-06	7.24E-04	8.79E-04	1.76E-03	1.86E-03	3.15E-04	4.81E-03
3637	484863.09	3850877.25	0.1645	0.05467	0.2471	0.10856	6.65E-04	1.63E-03	1.58E-03	3.43E-04	4.22E-03	6.05E-04	1.76E-09	2.10E-05	9.35E-06	6.35E-04	7.69E-04	1.63E-03	1.58E-03	3.43E-04	4.32E-03
3638	485363.09	3850877.25	0.20241	0.0544	0.3759	0.12266	8.18E-04	1.62E-03	2.40E-03	3.87E-04	5.23E-03	7.44E-04	1.75E-09	3.20E-05	1.06E-05	7.87E-04	9.47E-04	1.62E-03	2.40E-03	3.87E-04	5.35E-03
3639	485863.09	3850877.25	0.13552	0.04809	0.4331	0.1012	5.48E-04	1.43E-03	2.76E-03	3.20E-04	5.06E-03	4.98E-04	1.55E-09	3.68E-05	8.71E-06	5.44E-04	6.34E-04	1.43E-03	2.76E-03	3.20E-04	5.15E-03
3640	486363.09	3850877.25	0.12122	0.04784	0.4958	0.10047	4.90E-04	1.43E-03	3.16E-03	3.17E-04	5.40E-03	4.46E-04	1.54E-09	4.22E-05	8.65E-06	4.96E-04	5.67E-04	1.43E-03	3.16E-03	3.17E-04	5.47E-03
3641	486863.09	3850877.25	0.12311	0.05206	0.3777	0.09299	4.98E-04	1.55E-03	2.41E-03	2.94E-04	4.75E-03	4.53E-04	1.68E-09	3.21E-05	8.01E-06	4.93E-04	5.76E-04	1.55E-03	2.41E-03	2.94E-04	4.83E-03
3642	487363.09	3850877.25	0.10156	0.0463	0.2457	0.08336	4.11E-04	1.38E-03	1.57E-03	2.63E-04	3.62E-03	3.73E-04	1.49E-09	2.09E-05	7.18E-06	4.01E-04	4.75E-04	1.38E-03	1.57E-03	2.63E-04	3.69E-03
3643	487863.09	3850877.25	0.08111	0.04681	0.1308	0.07868	3.28E-04	1.40E-03	8.34E-04	2.48E-04	2.81E-03	2.98E-04	1.51E-09	1.11E-05	6.78E-06	3.16E-04	3.79E-04	1.40E-03	8.34E-04	2.48E-04	2.86E-03
3644	488363.09	3850877.25	0.09063	0.04769	0.1018	0.09402	3.66E-04	1.42E-03	6.49E-04	2.97E-04	2.74E-03	3.33E-04	1.54E-09	8.66E-06	8.10E-06	3.50E-04	4.24E-04	1.42E-03	6.49E-04	2.97E-04	2.79E-03
3645	488863.09	3850877.25	0.08682	0.03583	0.3717	0.10067	3.51E-04	1.07E-03	2.37E-03	3.18E-04	4.11E-03	3.19E-04	1.15E-09	3.16E-05	8.67E-06	3.59E-04	4.06E-04	1.07E-03	2.37E-03	3.18E-04	4.16E-03
3646	489363.09	3850877.25	0.07518	0.03612	0.3976	0.09823	3.04E-04	1.08E-03	2.54E-03	3.10E-04	4.23E-03	2.76E-04	1.16E-09	3.38E-05	8.46E-06	3.19E-04	3.52E-04	1.08E-03	2.54E-03	3.10E-04	4.28E-03
3647	489863.09	3850877.25	0.07374	0.03328	0.2744	0.08765	2.98E-04	9.93E-04	1.75E-03	2.77E-04	3.32E-03	2.71E-04	1.07E-09	2.33E-05	7.55E-06	3.02E-04	3.45E-04	9.93E-04	1.75E-03	2.77E-04	3.36E-03
3648	490363.09	3850877.25	0.06426	0.03129	0.3553	0.09436	2.60E-04	9.33E-04	2.27E-03	2.98E-04	3.76E-03	2.36E-04	1.01E-09	3.02E-05	8.13E-06	2.75E-04	3.01E-04	9.33E-04	2.27E-03	2.98E-04	3.80E-03
3649	490863.09	3850877.25	0.06831	0.02901	0.3002	0.0852	2.76E-04	8.65E-04	1.91E-03	2.69E-04	3.33E-03	2.51E-04	9.35E-10	2.55E-05	7.34E-06	2.84E-04	3.19E-04	8.65E-04	1.91E-03	2.69E-04	3.37E-03
3650	491363.09	3850877.25	0.06331	0.02986	0.2262	0.07924	2.56E-04	8.91E-04	1.44E-03	2.50E-04	2.84E-03	2.33E-04	9.62E-10	1.92E-05	6.82E-06	2.59E-04	2.96E-04	8.91E-04	1.44E-03	2.50E-04	2.88E-03
3651	491863.09	3850877.25	0.06112	0.02722	0.1611	0.06917	2.47E-04	8.12E-04	1.03E-03	2.18E-04	2.30E-03	2.25E-04	8.77E-10	1.37E-05	5.96E-06	2.44E-04	2.86E-04	8.12E-04	1.03E-03	2.18E-04	2.34E-03
3652	492363.09	3850877.25	0.05885	0.02736	0.1803	0.06818	2.38E-04	8.16E-04	1.15E-03	2.15E-04	2.42E-03	2.16E-04	8.82E-10	1.53E-05	5.87E-06	2.38E-04	2.75E-04	8.16E-04	1.15E-03	2.15E-04	2.46E-03
3653	492863.09	3850877.25	0.0561	0.02807	0.1977	0.06719	2.27E-04	8.37E-04	1.26E-03	2.12E-04	2.54E-03	2.06E-04	9.05E-10	1.68E-05	5.79E-06	2.29E-04	2.62E-04	8.37E-04	1.26E-03	2.12E-04	2.57E-03
3654	493363.09	3850877.25	0.05994	0.02895	0.2173	0.06518	2.42E-04	8.64E-04	1.39E-03	2.06E-04	2.70E-03	2.20E-04	9.33E-10	1.85E-05	5.61E-06	2.44E-04	2.80E-04	8.64E-04	1.39E-03	2.06E-04	2.74E-03
3655	493863.09	3850877.25	0.06964	0.03094	0.2468	0.07011	2.81E-04	9.23E-04	1.57E-03	2.21E-04	3.00E-03	2.56E-04	9.97E-10	2.10E-05	6.04E-06	2.83E-04	3.26E-04	9.23E-04	1.57E-03	2.21E-04	3.04E-03
3656	494363.09	3850877.25	0.06858	0.03072	0.3265	0.06452	2.77E-04	9.16E-04	2.08E-03	2.04E-04	3.48E-03	2.52E-04	9.90E-10	2.78E-05	5.56E-06	2.85E-04	3.21E-04	9.16E-04	2.08E-03	2.04E-04	3.52E-03

3657	494863.09	3850877.25	0.07876	0.03184	0.3702	0.06802	3.18E-04	9.50E-04	2.36E-03	2.15E-04	3.84E-03	2.90E-04	1.03E-09	3.15E-05	5.86E-06	3.27E-04	3.68E-04	9.50E-04	2.36E-03	2.15E-04	3.89E-03
3658	495363.09	3850877.25	0.08208	0.03332	0.3722	0.07594	3.32E-04	9.94E-04	2.37E-03	2.40E-04	3.94E-03	3.02E-04	1.07E-09	3.17E-05	6.54E-06	3.40E-04	3.84E-04	9.94E-04	2.37E-03	2.40E-04	3.99E-03
3659	495863.09	3850877.25	0.08327	0.03375	0.3472	0.07424	3.37E-04	1.01E-03	2.21E-03	2.34E-04	3.79E-03	3.06E-04	1.09E-09	2.95E-05	6.39E-06	3.42E-04	3.89E-04	1.01E-03	2.21E-03	2.34E-04	3.85E-03
3660	496363.09	3850877.25	0.08612	0.03449	0.2576	0.07462	3.48E-04	1.03E-03	1.64E-03	2.36E-04	3.26E-03	3.17E-04	1.11E-09	2.19E-05	6.43E-06	3.45E-04	4.03E-04	1.03E-03	1.64E-03	2.36E-04	3.31E-03
3661	496863.09	3850877.25	0.09899	0.03732	0.2519	0.07372	4.00E-04	1.11E-03	1.61E-03	2.33E-04	3.35E-03	3.64E-04	1.20E-09	2.14E-05	6.35E-06	3.92E-04	4.63E-04	1.11E-03	1.61E-03	2.33E-04	3.42E-03
3662	497363.09	3850877.25	0.10024	0.04007	0.248	0.07437	4.05E-04	1.20E-03	1.58E-03	2.35E-04	3.42E-03	3.69E-04	1.29E-09	2.11E-05	6.40E-06	3.96E-04	4.69E-04	1.20E-03	1.58E-03	2.35E-04	3.48E-03
3663	497863.09	3850877.25	0.09708	0.04061	0.2137	0.07577	3.92E-04	1.21E-03	1.36E-03	2.39E-04	3.21E-03	3.57E-04	1.31E-09	1.82E-05	6.52E-06	3.82E-04	4.54E-04	1.21E-03	1.36E-03	2.39E-04	3.27E-03
3664	498363.09	3850877.25	0.09296	0.03961	0.2661	0.07749	3.76E-04	1.18E-03	1.70E-03	2.45E-04	3.50E-03	3.42E-04	1.28E-09	2.26E-05	6.67E-06	3.71E-04	4.35E-04	1.18E-03	1.70E-03	2.45E-04	3.56E-03
3665	471363.09	3851377.25	0.17049	0.07297	0.1722	0.08152	6.89E-04	2.18E-03	1.10E-03	2.57E-04	4.22E-03	6.27E-04	2.35E-09	1.46E-05	7.02E-06	6.48E-04	7.97E-04	2.18E-03	1.10E-03	2.57E-04	4.33E-03
3666	471863.09	3851377.25	0.22858	0.08727	0.1597	0.08484	9.24E-04	2.60E-03	1.02E-03	2.68E-04	4.81E-03	8.40E-04	2.81E-09	1.36E-05	7.31E-06	8.61E-04	1.07E-03	2.60E-03	1.02E-03	2.68E-04	4.96E-03
3667	472363.09	3851377.25	0.22125	0.10259	0.1746	0.08652	8.94E-04	3.06E-03	1.11E-03	2.73E-04	5.34E-03	8.13E-04	3.31E-09	1.48E-05	7.45E-06	8.36E-04	1.03E-03	3.06E-03	1.11E-03	2.73E-04	5.48E-03
3668	472863.09	3851377.25	0.23943	0.10432	0.1868	0.08573	9.68E-04	3.11E-03	1.19E-03	2.71E-04	5.54E-03	8.80E-04	3.36E-09	1.59E-05	7.38E-06	9.04E-04	1.12E-03	3.11E-03	1.19E-03	2.71E-04	5.69E-03
3669	473363.09	3851377.25	0.22647	0.10474	0.1396	0.06635	9.15E-04	3.12E-03	8.90E-04	2.09E-04	5.14E-03	8.33E-04	3.38E-09	1.19E-05	5.71E-06	8.50E-04	1.06E-03	3.12E-03	8.90E-04	2.09E-04	5.28E-03
3670	473863.09	3851377.25	0.25542	0.11651	0.1007	0.06909	1.03E-03	3.48E-03	6.42E-04	2.18E-04	5.37E-03	9.39E-04	3.76E-09	8.56E-06	5.95E-06	9.54E-04	1.19E-03	3.48E-03	6.42E-04	2.18E-04	5.53E-03
3671	474363.09	3851377.25	0.3043	0.15651	0.1039	0.08493	1.23E-03	4.67E-03	6.63E-04	2.68E-04	6.83E-03	1.12E-03	5.04E-09	8.83E-06	7.31E-06	1.13E-03	1.42E-03	4.67E-03	6.63E-04	2.68E-04	7.02E-03
3672	474863.09	3851377.25	0.34278	0.21069	0.0742	0.08629	1.39E-03	6.29E-03	4.73E-04	2.72E-04	8.42E-03	1.26E-03	6.79E-09	6.31E-06	7.43E-06	1.27E-03	1.60E-03	6.29E-03	4.73E-04	2.72E-04	8.63E-03
3673	475363.09	3851377.25	0.40441	0.24901	0.1069	0.10226	1.63E-03	7.43E-03	6.82E-04	3.23E-04	1.01E-02	1.49E-03	8.03E-09	9.09E-06	8.81E-06	1.50E-03	1.89E-03	7.43E-03	6.82E-04	3.23E-04	1.03E-02
3674	475863.09	3851377.25	0.39776	0.29428	0.1064	0.09635	1.61E-03	8.78E-03	6.79E-04	3.04E-04	1.14E-02	1.46E-03	9.48E-09	9.05E-06	8.30E-06	1.48E-03	1.86E-03	8.78E-03	6.79E-04	3.04E-04	1.16E-02
3675	476363.09	3851377.25	0.37625	0.27465	0.1088	0.08272	1.52E-03	8.19E-03	6.94E-04	2.61E-04	1.07E-02	1.38E-03	8.85E-09	9.25E-06	7.12E-06	1.40E-03	1.76E-03	8.19E-03	6.94E-04	2.61E-04	1.09E-02
3676	476863.09	3851377.25	0.44568	0.27615	0.1554	0.08496	1.80E-03	8.24E-03	9.91E-04	2.68E-04	1.13E-02	1.64E-03	8.90E-09	1.32E-05	7.32E-06	1.66E-03	2.08E-03	8.24E-03	9.91E-04	2.68E-04	1.16E-02
3677	477363.09	3851377.25	0.53266	0.30126	0.2127	0.10804	2.15E-03	8.99E-03	1.36E-03	3.41E-04	1.28E-02	1.96E-03	9.71E-09	1.81E-05	9.30E-06	1.99E-03	2.49E-03	8.99E-03	1.36E-03	3.41E-04	1.32E-02
3678	477863.09	3851377.25	0.56929	0.32857	0.177	0.08465	2.30E-03	9.80E-03	1.13E-03	2.67E-04	1.35E-02	2.09E-03	1.06E-08	1.51E-05	7.29E-06	2.12E-03	2.66E-03	9.80E-03	1.13E-03	2.67E-04	1.39E-02
3679	478363.09	3851377.25	0.59539	0.35264	0.1394	0.10024	2.41E-03	1.05E-02	8.89E-04	3.16E-04	1.41E-02	2.19E-03	1.14E-08	1.19E-05	8.63E-06	2.21E-03	2.78E-03	1.05E-02	8.89E-04	3.16E-04	1.45E-02
3680	478863.09	3851377.25	0.58541	0.42496	0.1036	0.09748	2.37E-03	1.27E-02	6.61E-04	3.08E-04	1.60E-02	2.15E-03	1.37E-08	8.81E-06	8.39E-06	2.17E-03	2.74E-03	1.27E-02	6.61E-04	3.08E-04	1.64E-02
3681	479363.09	3851377.25	0.55304	0.44517	0.1345	0.08618	2.24E-03	1.33E-02	8.58E-04	2.72E-04	1.66E-02	2.03E-03	1.43E-08	1.14E-05	7.42E-06	2.05E-03	2.59E-03	1.33E-02	8.58E-04	2.72E-04	1.70E-02
3682	479863.09	3851377.25	0.59402	0.38088	0.1562	0.10998	2.40E-03	1.14E-02	9.96E-04	3.47E-04	1.51E-02	2.18E-03	1.23E-08	1.33E-05	9.47E-06	2.21E-03	2.78E-03	1.14E-02	9.96E-04	3.47E-04	1.55E-02
3683	480363.09	3851377.25	0.66348	0.36252	0.1741	0.11409	2.68E-03	1.08E-02	1.11E-03	3.60E-04	1.50E-02	2.44E-03	1.17E-08	1.48E-05	9.82E-06	2.46E-03	3.10E-03	1.08E-02	1.11E-03	3.60E-04	1.54E-02
3684	480863.09	3851377.25	0.89504	0.32528	0.1161	0.10548	3.62E-03	9.70E-03	7.41E-04	3.33E-04	1.44E-02	3.29E-03	1.05E-08	9.88E-06	9.08E-06	3.31E-03	4.19E-03	9.70E-03	7.41E-04	3.33E-04	1.50E-02
3685	481363.09	3851377.25	0.88459	0.2734	0.1845	0.11813	3.58E-03	8.16E-03	1.18E-03	3.73E-04	1.33E-02	3.25E-03	8.81E-09	1.57E-05	1.02E-05	3.28E-03	4.14E-03	8.16E-03	1.18E-03	3.73E-04	1.38E-02
3686	481863.09	3851377.25	0.85706	0.20054	0.2259	0.1125	3.46E-03	5.98E-03	1.44E-03	3.55E-04	1.12E-02	3.15E-03	6.46E-09	1.92E-05	9.69E-06	3.18E-03	4.01E-03	5.98E-03	1.44E-03	3.55E-04	1.18E-02
3687	482363.09	3851377.25	0.89706	0.15741	0.2129	0.1318	3.63E-03	4.70E-03	1.36E-03	4.16E-04	1.01E-02	3.30E-03	5.07E-09	1.81E-05	1.13E-05	3.33E-03	4.20E-03	4.70E-03	1.36E-03	4.16E-04	1.07E-02
3688	482863.09	3851377.25	0.50591	0.09529	0.241	0.15374	2.04E-03	2.84E-03	1.54E-03	4.85E-04	6.91E-03	1.86E-03	3.07E-09	2.05E-05	1.32E-05	1.89E-03	2.37E-03	2.84E-03	1.54E-03	4.85E-04	7.23E-03
3689	483363.09	3851377.25	0.28221	0.06162	0.2477	0.11442	1.14E-03	1.84E-03	1.58E-03	3.61E-04	4.92E-03	1.04E-03	1.99E-09	2.11E-05	9.85E-06	1.07E-03	1.32E-03	1.84E-03	1.58E-03	3.61E-04	5.10E-03
3690	483863.09	3851377.25	0.22658	0.06567	0.2188	0.09089	9.16E-04	1.96E-03	1.40E-03	2.87E-04	4.56E-03	8.33E-04	2.12E-09	1.86E-05	7.83E-06	8.59E-04	1.06E-03	1.96E-03	1.40E-03	2.87E-04	4.70E-03
3691	484363.09	3851377.25	0.27872	0.07715	0.271	0.09134	1.13E-03	2.30E-03	1.73E-03	2.88E-04	5.45E-03	1.02E-03	2.49E-09	2.30E-05	7.87E-06	1.06E-03	1.30E-03	2.30E-03	1.73E-03	2.88E-04	5.62E-03
3692	484863.09	3851377.25	0.16176	0.05393	0.3163	0.1162	6.54E-04	1.61E-03	2.02E-03	3.67E-04	4.65E-03	5.95E-04	1.74E-09	2.69E-05	1.00E-05	6.32E-04	7.56E-04	1.61E-03	2.02E-03	3.67E-04	4.75E-03
3693	485363.09	3851377.25	0.25038	0.06206	0.3403	0.13436	1.01E-03	1.85E-03	2.17E-03	4.24E-04	5.46E-03	9.21E-04	2.00E-09	2.89E-05	1.16E-05	9.61E-04	1.17E-03	1.85E-03	2.17E-03	4.24E-04	5.62E-03
3694	485863.09	3851377.25	0.16388	0.05435	0.507	0.12215	6.62E-04	1.62E-03	3.23E-03	3.86E-04	5.90E-03	6.03E-04	1.75E-09	4.31E-05	1.05E-05	6.56E-04	7.66E-04	1.62E-03	3.23E-03	3.86E-04	6.01E-03
3695	486363.09	3851377.25	0.15378	0.05782	0.6268	0.14397	6.22E-04	1.72E-03	4.00E-03	4.55E-04	6.80E-03	5.65E-04	1.86E-09	5.33E-05	1.24E-05	6.31E-04	7.19E-04	1.72E-03	4.00E-03	4.55E-04	6.90E-03
3696	486863.09	3851377.25	0.14761	0.05727	0.4681	0.12225	5.97E-04	1.71E-03	2.99E-03	3.86E-04	5.68E-03	5.43E-04	1.85E-09	3.98E-05	1.05E-05	5.93E-04	6.90E-04	1.71E-03	2.99E-03	3.86E-04	5.77E-03
3697	487363.09	3851377.25	0.10457	0.05096	0.2902	0.08609	4.23E-04	1.52E-03	1.85E-03	2.72E-04	4.07E-03	3.84E-04	1.64E-09	2.47E-05	7.41E-06	4.17E-04	4.89E-04	1.52E-03	1.85E-03	2.72E-04	4.13E-03
3698	487863.09	3851377.25	0.1029	0.05298	0.1632	0.09638	4.16E-04	1.58E-03	1.04E-03	3.04E-04	3.34E-03	3.78E-04	1.71E-09	1.39E-05	8.30E-06	4.00E-04	4.81E-04	1.58E-03	1.04E-03	3.04E-04	3.41E-03
3699	488363.09	3851377.25	0.0994	0.05064	0.1189	0.10413	4.02E-04	1.51E-03	7.59E-04	3.29E-04	3.00E-03	3.65E-04	1.63E-09	1.01E-05	8.97E-06	3.85E-04	4.65E-04	1.51E-03	7.59E-04	3.29E-04	3.06E-03
3700	488863.09	3851377.25	0.10074	0.04523	0.4437	0.10507	4.07E-04	1.35E-03	2.83E-03	3.32E-04	4.92E-03	3.70E-04	1.46E-09	3.77E-05	9.05E-06	4.17E-04	4.71E-04	1.35E-03	2.83E-03	3.32E-04	4.98E-03
3701	489363.09	3851377.25	0.08826	0.03926	0.409	0.09706	3.57E-04	1.17E-03	2.61E-03	3.06E-04	4.44E-03	3.24E-04	1.27E-09	3.48E-05	8.36E-06	3.68E-04	4.13E-04	1.17E-03	2.61E-03	3.06E-04	4.50E-03
3702	489863.09	3851377.25	0.07447	0.03737	0.2519	0.09637	3.01E-04	1.11E-03	1.61E-03	3.04E-04	3.33E-03	2.74E-04	1.20E-09	2.14E-05	8.30E-06	3.04E-04	3.48E-04	1.11E-03	1.61E-03	3.04E-04	3.37E-03
3703	490363.09	3851377.25	0.07252	0.03288	0.2822	0.08511	2.93E-04	9.81E-04	1.80E-03	2.69E-04	3.34E-03	2.67E-04	1.06E-09	2.40E-05	7.33E-06	2.98E-04	3.39E-04	9.81E-04	1.80E-03	2.69E-04	3.39E-03
3704	490863.09	3851377.25	0.0777	0.03817	0.4201	0.07997	3.14E-04	1.14E-03	2.68E-03	2.52E-04	4.38E-03	2.86E-04	1.23E-09	3.57E-05	6.89E-06	3.28E-04	3.63E-04	1.14E-03	2.68E-03	2.52E-04	4.43E-03
3705	491363.09	3851377.25	0.08147	0.03129	0.219	0.07947	3.29E-04	9.33E-04	1.40E-03	2.51E-04	2.91E-03	3.00E-04	1.01E-09	1.86E-05	6.84E-06	3.25E-04	3.81E-04	9.33E-04	1.40E-03	2.51E-04	2.96E-03
3706	491863.09	3851377.25	0.07409	0.03311	0.1968	0.07136	2.99E-04	9.88E-04	1.25E-03	2.25E-04	2.77E-03	2.72E-04	1.07E-09	1.67E-05	6.14E-06	2.95E-04	3.46E-04	9.88E-04	1.25E-03	2.25E-04	2.81E-03
3707	492363.09	3851377.25	0.0734	0.03265	0.2469	0.06839	2.97E-04	9.74E-04	1.57E-03	2.16E-04	3.06E-03	2.70E-04	1.05E-09	2.10E-05	5.89E-06	2.97E-04	3.43E-04	9.74E-04	1.57E-03	2.16E-04	3.11E-03
3708	492863.09	3851377.25	0.0797	0.03337	0.2107	0.07666	3.22E-04	9.96E-04	1.34E-03	2.42E-04	2.90E-03	2.93E-04	1.08E-09	1.79E-05	6.60E-06	3.18E-04	3.73E-04	9.96E-04	1.34E-03	2.42E-04	2.95E-03
3709	493363.09	3851377.25	0.07208	0.03098	0.2223	0.06949	2.91E-04	9.24E-04	1.42E-03	2.19E-04	2.85E-03	2.65E-04	9.99E-10	1.89E-05	5.98E-06	2.90E-04	3.37E-04	9.24E-04	1.42E-03	2.19E-04	2.90E-03
3710	493863.09	3851377.25	0.07657	0.03473	0.3344	0.067	3.10E-04	1.04E-03	2.13E-03	2.12E-04	3.69E-03	2.82E-04	1.12E-09	2.84E-05	5.77E-06	3.16E-04	3.58E-04	1.04E-03	2.13E-03	2.12E-04	3.74E-03
3711	494363.09	3851377.25	0.08841	0.03436	0.3909	0.07349	3.57E-04	1.03E-03	2.49E-03	2.32E-04	4.11E-03	3.25E-04	1.11E-09	3.32E-05	6.33E-06	3.65E-04	4.13E-04	1.03E-03	2.49E-03	2.32E-04	4.16E-03
3712	494863.09	3851377.25	0.09076	0.03629	0.4027	0.07909	3.67E-04	1.08E-03	2.57E-03	2.50E-04	4.27E-03	3.34E-04	1.17E-09	3.42E-05	6.81E-06	3.75E-04	4.24E-04	1.08E-03	2.57E-03	2.50E-04	4.33E-03
3713	495363.09	3851377.25	0.10413	0.03859	0.454	0.08679	4.21E-04	1.15E-03	2.90E-03	2.74E-04	4.74E-03	3.83E-04	1.24E-09	3.86E-05	7.47E-06	4.29E-04	4.87E-04	1.15E-03	2.90E-03	2.74E-04	4.81E-03
3714	495863.09	3851377.25	0.113	0.03958	0.2939	0.08416	4.57E-04	1.18E-03	1.87E-03	2.66E-04	3.78E-03	4.15E-04	1.28E-09	2.50E-05	7.25E-06	4.48E-04	5.28E-04	1.18E-03	1.87E-03	2.66E-04	3.85E-03
3715	496363.09	3851377.25	0.11562	0.04562	0.2467	0.08953	4.67E-04	1.36E-03	1.57E-03	2.83E-04	3.68E-03	4.25E-04	1.47E-09	2.10E-05	7.71E-06	4.54E-04	5.41E-04	1.36E-03	1.57E-03	2.83E-04	3.76E-03
3716	496863.09	3851377.25	0.11442	0.04448	0.2987	0.08499	4.63E-04	1.33E-03	1.91E-03	2.68E-04	3.96E-03	4.21E-04	1.43E-09	2.54E-05	7.32E-06	4.53E-04	5.35E-04	1.33E-03	1.91E-03	2.68E-04	4.04E-03
3717	497363.09	3851377.25	0.1119	0.04404	0.2521	0.08848	4.52E-04	1.31E-03	1.61E-03	2.79E-04	3.65E-03	4.11E-04	1.42E-09	2.14E-05	7.62E-06	4.40E-04	5.23E-04	1.31E-03	1.61E-03	2.79E-04	3.72E-03

3718	497863.09	3851377.25	0.10721	0.04207	0.2521	0.08166	4.33E-04	1.26E-03	1.61E-03	2.58E-04	3.55E-03	3.94E-04	1.36E-09	2.14E-05	7.03E-06	4.23E-04	5.01E-04	1.26E-03	1.61E-03	2.58E-04	3.62E-03
3719	498363.09	3851377.25	0.09727	0.03808	0.255	0.07513	3.93E-04	1.14E-03	1.63E-03	2.37E-04	3.39E-03	3.58E-04	1.23E-09	2.17E-05	6.47E-06	3.86E-04	4.55E-04	1.14E-03	1.63E-03	2.37E-04	3.45E-03
3720	471363.09	3851877.25	0.23236	0.08118	0.2238	0.09515	9.39E-04	2.42E-03	1.43E-03	3.00E-04	5.09E-03	8.54E-04	2.62E-09	1.90E-05	8.19E-06	8.82E-04	1.09E-03	2.42E-03	1.43E-03	3.00E-04	5.24E-03
3721	471863.09	3851877.25	0.22028	0.07662	0.2171	0.08897	8.90E-04	2.29E-03	1.38E-03	2.81E-04	4.84E-03	8.10E-04	2.47E-09	1.85E-05	7.66E-06	8.36E-04	1.03E-03	2.29E-03	1.38E-03	2.81E-04	4.98E-03
3722	472363.09	3851877.25	0.22412	0.08709	0.2027	0.0903	9.06E-04	2.60E-03	1.29E-03	2.85E-04	5.08E-03	8.24E-04	2.81E-09	1.72E-05	7.78E-06	8.49E-04	1.05E-03	2.60E-03	1.29E-03	2.85E-04	5.22E-03
3723	472863.09	3851877.25	0.23766	0.09355	0.187	0.0901	9.61E-04	2.79E-03	1.19E-03	2.84E-04	5.23E-03	8.74E-04	3.02E-09	1.59E-05	7.76E-06	8.97E-04	1.11E-03	2.79E-03	1.19E-03	2.84E-04	5.38E-03
3724	473363.09	3851877.25	0.22158	0.09602	0.1787	0.09099	8.96E-04	2.86E-03	1.14E-03	2.87E-04	5.19E-03	8.15E-04	3.09E-09	1.52E-05	7.84E-06	8.38E-04	1.04E-03	2.86E-03	1.14E-03	2.87E-04	5.33E-03
3725	473863.09	3851877.25	0.21782	0.10215	0.2057	0.08373	8.80E-04	3.05E-03	1.31E-03	2.64E-04	5.50E-03	8.01E-04	3.29E-09	1.75E-05	7.21E-06	8.26E-04	1.02E-03	3.05E-03	1.31E-03	2.64E-04	5.64E-03
3726	474363.09	3851877.25	0.27338	0.12517	0.1827	0.07356	1.11E-03	3.73E-03	1.17E-03	2.32E-04	6.24E-03	1.01E-03	4.03E-09	1.55E-05	6.33E-06	1.03E-03	1.28E-03	3.73E-03	1.17E-03	2.32E-04	6.41E-03
3727	474863.09	3851877.25	0.34413	0.16015	0.1147	0.07908	1.39E-03	4.78E-03	7.32E-04	2.50E-04	7.15E-03	1.27E-03	5.16E-09	9.76E-06	6.81E-06	1.28E-03	1.61E-03	4.78E-03	7.32E-04	2.50E-04	7.37E-03
3728	475363.09	3851877.25	0.34055	0.19824	0.1103	0.089	1.38E-03	5.91E-03	7.03E-04	2.81E-04	8.28E-03	1.25E-03	6.39E-09	9.38E-06	7.66E-06	1.27E-03	1.59E-03	5.91E-03	7.03E-04	2.81E-04	8.49E-03
3729	475863.09	3851877.25	0.38554	0.21871	0.0803	0.09837	1.56E-03	6.52E-03	5.12E-04	3.11E-04	8.91E-03	1.42E-03	7.05E-09	6.83E-06	8.47E-06	1.43E-03	1.80E-03	6.52E-03	5.12E-04	3.11E-04	9.15E-03
3730	476363.09	3851877.25	0.43853	0.20586	0.1142	0.10572	1.77E-03	6.14E-03	7.28E-04	3.34E-04	8.98E-03	1.61E-03	6.63E-09	9.71E-06	9.10E-06	1.63E-03	2.05E-03	6.14E-03	7.28E-04	3.34E-04	9.25E-03
3731	476863.09	3851877.25	0.46714	0.2439	0.1135	0.09428	1.89E-03	7.28E-03	7.24E-04	2.98E-04	1.02E-02	1.72E-03	7.86E-09	9.65E-06	8.12E-06	1.74E-03	2.18E-03	7.28E-03	7.24E-04	2.98E-04	1.05E-02
3732	477363.09	3851877.25	0.44971	0.26195	0.1351	0.0846	1.82E-03	7.81E-03	8.62E-04	2.67E-04	1.08E-02	1.65E-03	8.44E-09	1.15E-05	7.28E-06	1.67E-03	2.10E-03	7.81E-03	8.62E-04	2.67E-04	1.10E-02
3733	477863.09	3851877.25	0.55604	0.25997	0.1974	0.10715	2.25E-03	7.76E-03	1.26E-03	3.38E-04	1.16E-02	2.04E-03	8.38E-09	1.68E-05	9.23E-06	2.07E-03	2.60E-03	7.76E-03	1.26E-03	3.38E-04	1.20E-02
3734	478363.09	3851877.25	0.70657	0.29328	0.2142	0.09258	2.86E-03	8.75E-03	1.37E-03	2.92E-04	1.33E-02	2.60E-03	9.45E-09	1.82E-05	7.97E-06	2.62E-03	3.30E-03	8.75E-03	1.37E-03	2.92E-04	1.37E-02
3735	478863.09	3851877.25	0.68045	0.34518	0.1729	0.10653	2.75E-03	1.03E-02	1.10E-03	3.36E-04	1.45E-02	2.50E-03	1.11E-08	1.47E-05	9.17E-06	2.53E-03	3.18E-03	1.03E-02	1.10E-03	3.36E-04	1.49E-02
3736	479363.09	3851877.25	0.70491	0.44093	0.1207	0.1094	2.85E-03	1.32E-02	7.70E-04	3.45E-04	1.71E-02	2.59E-03	1.42E-08	1.03E-05	9.42E-06	2.61E-03	3.30E-03	1.32E-02	7.70E-04	3.45E-04	1.76E-02
3737	479863.09	3851877.25	0.71552	0.48616	0.131	0.09495	2.89E-03	1.45E-02	8.35E-04	3.00E-04	1.85E-02	2.63E-03	1.57E-08	1.11E-05	8.18E-06	2.65E-03	3.35E-03	1.45E-02	8.35E-04	3.00E-04	1.90E-02
3738	480363.09	3851877.25	0.6612	0.43434	0.1607	0.11629	2.67E-03	1.30E-02	1.02E-03	3.67E-04	1.70E-02	2.43E-03	1.40E-08	1.37E-05	1.00E-05	2.45E-03	3.09E-03	1.30E-02	1.02E-03	3.67E-04	1.74E-02
3739	480863.09	3851877.25	0.76115	0.37597	0.1894	0.12265	3.08E-03	1.12E-02	1.21E-03	3.87E-04	1.59E-02	2.80E-03	1.21E-08	1.61E-05	1.06E-05	2.83E-03	3.56E-03	1.12E-02	1.21E-03	3.87E-04	1.64E-02
3740	481363.09	3851877.25	1.02175	0.39222	0.1384	0.12023	4.13E-03	1.17E-02	8.83E-04	3.80E-04	1.71E-02	3.76E-03	1.26E-08	1.18E-05	1.04E-05	3.78E-03	4.78E-03	1.17E-02	8.83E-04	3.80E-04	1.77E-02
3741	481863.09	3851877.25	1.08118	0.26995	0.198	0.12192	4.37E-03	8.05E-03	1.26E-03	3.85E-04	1.41E-02	3.97E-03	8.70E-09	1.68E-05	1.05E-05	4.00E-03	5.06E-03	8.05E-03	1.26E-03	3.85E-04	1.48E-02
3742	482363.09	3851877.25	0.92968	0.18877	0.2407	0.1339	3.76E-03	5.63E-03	1.54E-03	4.23E-04	1.13E-02	3.42E-03	6.08E-09	2.05E-05	1.15E-05	3.45E-03	4.35E-03	5.63E-03	1.54E-03	4.23E-04	1.19E-02
3743	482863.09	3851877.25	0.56259	0.10841	0.2185	0.16369	2.27E-03	3.23E-03	1.39E-03	5.17E-04	7.42E-03	2.07E-03	3.49E-09	1.86E-05	1.41E-05	2.10E-03	2.63E-03	3.23E-03	1.39E-03	5.17E-04	7.78E-03
3744	483363.09	3851877.25	0.52918	0.09421	0.2755	0.13403	2.14E-03	2.81E-03	1.76E-03	4.23E-04	7.13E-03	1.95E-03	3.04E-09	2.34E-05	1.15E-05	1.98E-03	2.47E-03	2.81E-03	1.76E-03	4.23E-04	7.47E-03
3745	483863.09	3851877.25	0.34261	0.09056	0.2274	0.11656	1.38E-03	2.70E-03	1.45E-03	3.68E-04	5.90E-03	1.26E-03	2.92E-09	1.93E-05	1.00E-05	1.29E-03	1.60E-03	2.70E-03	1.45E-03	3.68E-04	6.12E-03
3746	484363.09	3851877.25	0.36983	0.10279	0.262	0.12815	1.49E-03	3.07E-03	1.67E-03	4.05E-04	6.64E-03	1.36E-03	3.31E-09	2.23E-05	1.10E-05	1.39E-03	1.73E-03	3.07E-03	1.67E-03	4.05E-04	6.87E-03
3747	484863.09	3851877.25	0.32308	0.08488	0.3315	0.11873	1.31E-03	2.53E-03	2.11E-03	3.75E-04	6.33E-03	1.19E-03	2.74E-09	2.82E-05	1.02E-05	1.23E-03	1.51E-03	2.53E-03	2.11E-03	3.75E-04	6.53E-03
3748	485363.09	3851877.25	0.30514	0.07407	0.295	0.12276	1.23E-03	2.21E-03	1.88E-03	3.88E-04	5.71E-03	1.12E-03	2.39E-09	2.51E-05	1.06E-05	1.16E-03	1.43E-03	2.21E-03	1.88E-03	3.88E-04	5.91E-03
3749	485863.09	3851877.25	0.26967	0.07011	0.5548	0.15589	1.09E-03	2.09E-03	3.54E-03	4.92E-04	7.21E-03	9.91E-04	2.26E-09	4.72E-05	1.34E-05	1.05E-03	1.26E-03	2.09E-03	3.54E-03	4.92E-04	7.38E-03
3750	486363.09	3851877.25	0.18842	0.06378	0.7484	0.1497	7.62E-04	1.90E-03	4.77E-03	4.73E-04	7.91E-03	6.93E-04	2.06E-09	6.36E-05	1.29E-05	7.69E-04	8.81E-04	1.90E-03	4.77E-03	4.73E-04	8.03E-03
3751	486863.09	3851877.25	0.17867	0.0616	0.4732	0.1076	7.22E-04	1.84E-03	3.02E-03	3.40E-04	5.92E-03	6.57E-04	1.99E-09	4.02E-05	9.27E-06	7.06E-04	8.36E-04	1.84E-03	3.02E-03	3.40E-04	6.03E-03
3752	487363.09	3851877.25	0.13556	0.05672	0.3781	0.10364	5.48E-04	1.69E-03	2.41E-03	3.27E-04	4.98E-03	4.98E-04	1.83E-09	3.22E-05	8.92E-06	5.39E-04	6.34E-04	1.69E-03	2.41E-03	3.27E-04	5.07E-03
3753	487863.09	3851877.25	0.11138	0.05275	0.1956	0.10841	4.50E-04	1.57E-03	1.25E-03	3.42E-04	3.61E-03	4.09E-04	1.70E-09	1.66E-05	9.34E-06	4.35E-04	5.21E-04	1.57E-03	1.25E-03	3.42E-04	3.68E-03
3754	488363.09	3851877.25	0.10592	0.04898	0.1377	0.1124	4.28E-04	1.46E-03	8.78E-04	3.55E-04	3.12E-03	3.89E-04	1.58E-09	1.17E-05	9.68E-06	4.11E-04	4.95E-04	1.46E-03	8.78E-04	3.55E-04	3.19E-03
3755	488863.09	3851877.25	0.09194	0.04312	0.5008	0.09503	3.72E-04	1.29E-03	3.19E-03	3.00E-04	5.15E-03	3.38E-04	1.39E-09	4.26E-05	8.18E-06	3.89E-04	4.30E-04	1.29E-03	3.19E-03	3.00E-04	5.21E-03
3756	489363.09	3851877.25	0.08417	0.04222	0.4282	0.09802	3.40E-04	1.26E-03	2.73E-03	3.09E-04	4.64E-03	3.09E-04	1.36E-09	3.64E-05	8.44E-06	3.54E-04	3.94E-04	1.26E-03	2.73E-03	3.09E-04	4.69E-03
3757	489863.09	3851877.25	0.07682	0.0363	0.2148	0.08749	3.11E-04	1.08E-03	1.37E-03	2.76E-04	3.04E-03	2.82E-04	1.17E-09	1.83E-05	7.53E-06	3.08E-04	3.59E-04	1.08E-03	1.37E-03	2.76E-04	3.09E-03
3758	490363.09	3851877.25	0.08693	0.03672	0.3201	0.08665	3.51E-04	1.10E-03	2.04E-03	2.74E-04	3.76E-03	3.20E-04	1.18E-09	2.72E-05	7.46E-06	3.54E-04	4.07E-04	1.10E-03	2.04E-03	2.74E-04	3.82E-03
3759	490863.09	3851877.25	0.09477	0.03671	0.304	0.07983	3.83E-04	1.10E-03	1.94E-03	2.52E-04	3.67E-03	3.48E-04	1.18E-09	2.59E-05	6.87E-06	3.81E-04	4.43E-04	1.10E-03	1.94E-03	2.52E-04	3.73E-03
3760	491363.09	3851877.25	0.09702	0.03927	0.2067	0.08294	3.92E-04	1.17E-03	1.32E-03	2.62E-04	3.14E-03	3.57E-04	1.27E-09	1.76E-05	7.14E-06	3.81E-04	4.54E-04	1.17E-03	1.32E-03	2.62E-04	3.21E-03
3761	491863.09	3851877.25	0.09798	0.04016	0.2153	0.08313	3.96E-04	1.20E-03	1.37E-03	2.62E-04	3.23E-03	3.60E-04	1.29E-09	1.83E-05	7.16E-06	3.86E-04	4.58E-04	1.20E-03	1.37E-03	2.62E-04	3.29E-03
3762	492363.09	3851877.25	0.09942	0.03839	0.2852	0.07625	4.02E-04	1.15E-03	1.82E-03	2.41E-04	3.61E-03	3.66E-04	1.24E-09	2.43E-05	6.57E-06	3.96E-04	4.65E-04	1.15E-03	1.82E-03	2.41E-04	3.67E-03
3763	492863.09	3851877.25	0.08818	0.03339	0.2687	0.07546	3.56E-04	9.96E-04	1.71E-03	2.38E-04	3.30E-03	3.24E-04	1.08E-09	2.29E-05	6.50E-06	3.54E-04	4.12E-04	9.96E-04	1.71E-03	2.38E-04	3.36E-03
3764	493363.09	3851877.25	0.10216	0.03812	0.4164	0.07589	4.13E-04	1.14E-03	2.66E-03	2.40E-04	4.45E-03	3.76E-04	1.23E-09	3.54E-05	6.53E-06	4.18E-04	4.78E-04	1.14E-03	2.66E-03	2.40E-04	4.51E-03
3765	493863.09	3851877.25	0.11775	0.04471	0.4811	0.0852	4.76E-04	1.33E-03	3.07E-03	2.69E-04	5.15E-03	4.33E-04	1.44E-09	4.09E-05	7.34E-06	4.81E-04	5.51E-04	1.33E-03	3.07E-03	2.69E-04	5.22E-03
3766	494363.09	3851877.25	0.11759	0.04308	0.4617	0.09113	4.75E-04	1.29E-03	2.95E-03	2.88E-04	4.99E-03	4.32E-04	1.39E-09	3.93E-05	7.85E-06	4.79E-04	5.50E-04	1.29E-03	2.95E-03	2.88E-04	5.07E-03
3767	494863.09	3851877.25	0.12734	0.04491	0.4989	0.09979	5.15E-04	1.34E-03	3.18E-03	3.15E-04	5.35E-03	4.68E-04	1.45E-09	4.24E-05	8.59E-06	5.19E-04	5.96E-04	1.34E-03	3.18E-03	3.15E-04	5.43E-03
3768	495363.09	3851877.25	0.13401	0.0478	0.3309	0.0988	5.42E-04	1.43E-03	2.11E-03	3.12E-04	4.39E-03	4.93E-04	1.54E-09	2.81E-05	8.51E-06	5.29E-04	6.27E-04	1.43E-03	2.11E-03	3.12E-04	4.48E-03
3769	495863.09	3851877.25	0.13224	0.05006	0.2847	0.10134	5.35E-04	1.49E-03	1.82E-03	3.20E-04	4.16E-03	4.86E-04	1.61E-09	2.42E-05	8.73E-06	5.19E-04	6.18E-04	1.49E-03	1.82E-03	3.20E-04	4.25E-03
3770	496363.09	3851877.25	0.13185	0.04911	0.2864	0.10457	5.33E-04	1.47E-03	1.83E-03	3.30E-04	4.16E-03	4.85E-04	1.58E-09	2.44E-05	9.00E-06	5.18E-04	6.17E-04	1.47E-03	1.83E-03	3.30E-04	4.24E-03
3771	496863.09	3851877.25	0.12563	0.04617	0.2925	0.09678	5.08E-04	1.38E-03	1.87E-03	3.06E-04	4.06E-03	4.62E-04	1.49E-09	2.49E-05	8.33E-06	4.95E-04	5.88E-04	1.38E-03	1.87E-03	3.06E-04	4.14E-03
3772	497363.09	3851877.25	0.12391	0.044	0.3064	0.08433	5.01E-04	1.31E-03	1.95E-03	2.66E-04	4.03E-03	4.56E-04	1.42E-09	2.61E-05	7.26E-06	4.89E-04	5.79E-04	1.31E-03	1.95E-03	2.66E-04	4.11E-03
3773	497863.09	3851877.25	0.10901	0.04135	0.2679	0.08849	4.41E-04	1.23E-03	1.71E-03	2.79E-04	3.66E-03	4.01E-04	1.33E-09	2.28E-05	7.62E-06	4.31E-04	5.10E-04	1.23E-03	1.71E-03	2.79E-04	3.73E-03
3774	498363.09	3851877.25	0.09987	0.04239	0.2515	0.08604	4.04E-04	1.26E-03	1.60E-03	2.72E-04	3.54E-03	3.67E-04	1.37E-09	2.14E-05	7.41E-06	3.96E-04	4.67E-04	1.26E-03	1.60E-03	2.72E-04	3.61E-03
3775	471363.09	3852377.25	0.17127	0.06482	0.256	0.11632	6.92E-04	1.93E-03	1.63E-03	3.67E-04	4.63E-03	6.30E-04	2.09E-09	2.18E-05	1.00E-05	6.61E-04	8.01E-04	1.93E-03	1.63E-03	3.67E-04	4.74E-03
3776	471863.09	3852377.25	0.20677	0.07649	0.2706	0.11323	8.36E-04	2.28E-03	1.73E-03	3.58E-04	5.20E-03	7.60E-04	2.47E-09	2.30E-05	9.75E-06	7.93E-04	9.67E-04	2.28E-03	1.73E-03	3.58E-04	5.33E-03
3777	472363.09	3852377.25	0.23868	0.09308	0.229	0.10785	9.65E-04	2.78E-03	1.46E-03	3.41E-04	5.54E-03	8.78E-04	3.00E-09	1.95E-05	9.29E-06	9.06E-04	1.12E-03	2.78E-03	1.46E-03	3.41E-04	5.69E-03
3778	472863.09	3852377.25	0.26217	0.0879	0.2503	0.10549	1.06E-03	2.62E-03	1.60E-03	3.33E-04	5.61E-03	9.64E-04	2.83E-09	2.13E-05	9.08E-06	9.94E-04	1.23E-03	2.62E-03	1.60E-03	3.33E-04	5.78E-03

3779	473363.09	3852377.25	0.24902	0.09626	0.2381	0.09742	1.01E-03	2.87E-03	1.52E-03	3.08E-04	5.70E-03	9.16E-04	3.10E-09	2.02E-05	8.39E-06	9.44E-04	1.16E-03	2.87E-03	1.52E-03	3.08E-04	5.86E-03
3780	473863.09	3852377.25	0.26582	0.09741	0.2168	0.09595	1.07E-03	2.91E-03	1.38E-03	3.03E-04	5.67E-03	9.77E-04	3.14E-09	1.84E-05	8.26E-06	1.00E-03	1.24E-03	2.91E-03	1.38E-03	3.03E-04	5.84E-03
3781	474363.09	3852377.25	0.24506	0.10467	0.1948	0.09628	9.91E-04	3.12E-03	1.24E-03	3.04E-04	5.66E-03	9.01E-04	3.37E-09	1.66E-05	8.29E-06	9.26E-04	1.15E-03	3.12E-03	1.24E-03	3.04E-04	5.81E-03
3782	474863.09	3852377.25	0.32433	0.14243	0.213	0.10663	1.31E-03	4.25E-03	1.36E-03	3.37E-04	7.26E-03	1.19E-03	4.59E-09	1.81E-05	9.18E-06	1.22E-03	1.52E-03	4.25E-03	1.36E-03	3.37E-04	7.46E-03
3783	475363.09	3852377.25	0.31943	0.1448	0.1972	0.08866	1.29E-03	4.32E-03	1.26E-03	2.80E-04	7.15E-03	1.17E-03	4.67E-09	1.68E-05	7.63E-06	1.20E-03	1.49E-03	4.32E-03	1.26E-03	2.80E-04	7.35E-03
3784	475863.09	3852377.25	0.34141	0.1585	0.1486	0.09156	1.38E-03	4.73E-03	9.48E-04	2.89E-04	7.35E-03	1.26E-03	5.11E-09	1.26E-05	7.88E-06	1.28E-03	1.60E-03	4.73E-03	9.48E-04	2.89E-04	7.56E-03
3785	476363.09	3852377.25	0.35737	0.16717	0.1179	0.08934	1.44E-03	4.99E-03	7.52E-04	2.82E-04	7.47E-03	1.31E-03	5.39E-09	1.00E-05	7.69E-06	1.33E-03	1.67E-03	4.99E-03	7.52E-04	2.82E-04	7.69E-03
3786	476863.09	3852377.25	0.39755	0.17028	0.0877	0.11148	1.61E-03	5.08E-03	5.59E-04	3.52E-04	7.60E-03	1.46E-03	5.49E-09	7.46E-06	9.60E-06	1.48E-03	1.86E-03	5.08E-03	5.59E-04	3.52E-04	7.85E-03
3787	477363.09	3852377.25	0.44035	0.17518	0.1224	0.11051	1.78E-03	5.23E-03	7.81E-04	3.49E-04	8.14E-03	1.62E-03	5.65E-09	1.04E-05	9.52E-06	1.64E-03	2.06E-03	5.23E-03	7.81E-04	3.49E-04	8.42E-03
3788	477863.09	3852377.25	0.41598	0.13672	0.1217	0.09757	1.68E-03	4.08E-03	7.76E-04	3.08E-04	6.84E-03	1.53E-03	4.41E-09	1.04E-05	8.40E-06	1.55E-03	1.95E-03	4.08E-03	7.76E-04	3.08E-04	7.11E-03
3789	478363.09	3852377.25	0.34324	0.11896	0.1693	0.10141	1.39E-03	3.55E-03	1.08E-03	3.20E-04	6.34E-03	1.26E-03	3.83E-09	1.44E-05	8.73E-06	1.29E-03	1.61E-03	3.55E-03	1.08E-03	3.20E-04	6.55E-03
3790	478863.09	3852377.25	0.5744	0.15724	0.253	0.11164	2.32E-03	4.69E-03	1.61E-03	3.52E-04	8.98E-03	2.11E-03	5.07E-09	2.15E-05	9.61E-06	2.14E-03	2.69E-03	4.69E-03	1.61E-03	3.52E-04	9.34E-03
3791	479363.09	3852377.25	0.77314	0.21992	0.2135	0.10777	3.13E-03	6.56E-03	1.36E-03	3.40E-04	1.14E-02	2.84E-03	7.09E-09	1.82E-05	9.28E-06	2.87E-03	3.62E-03	6.56E-03	1.36E-03	3.40E-04	1.19E-02
3792	479863.09	3852377.25	0.93659	0.3501	0.1659	0.11815	3.79E-03	1.04E-02	1.06E-03	3.73E-04	1.57E-02	3.44E-03	1.13E-08	1.41E-05	1.02E-05	3.47E-03	4.38E-03	1.04E-02	1.06E-03	3.73E-04	1.63E-02
3793	480363.09	3852377.25	0.80578	0.54197	0.1315	0.10547	3.26E-03	1.62E-02	8.39E-04	3.33E-04	2.06E-02	2.96E-03	1.75E-08	1.12E-05	9.08E-06	2.98E-03	3.77E-03	1.62E-02	8.39E-04	3.33E-04	2.11E-02
3794	480863.09	3852377.25	0.78089	0.47531	0.1834	0.12198	3.16E-03	1.42E-02	1.17E-03	3.85E-04	1.89E-02	2.87E-03	1.53E-08	1.56E-05	1.05E-05	2.90E-03	3.65E-03	1.42E-02	1.17E-03	3.85E-04	1.94E-02
3795	481363.09	3852377.25	0.84802	0.45726	0.1995	0.12358	3.43E-03	1.36E-02	1.27E-03	3.90E-04	1.87E-02	3.12E-03	1.47E-08	1.70E-05	1.06E-05	3.15E-03	3.97E-03	1.36E-02	1.27E-03	3.90E-04	1.93E-02
3796	481863.09	3852377.25	1.18756	0.40472	0.1578	0.12942	4.80E-03	1.21E-02	1.01E-03	4.09E-04	1.83E-02	4.37E-03	1.30E-08	1.34E-05	1.11E-05	4.39E-03	5.55E-03	1.21E-02	1.01E-03	4.09E-04	1.90E-02
3797	482363.09	3852377.25	1.28091	0.27781	0.2134	0.14391	5.18E-03	8.29E-03	1.36E-03	4.54E-04	1.53E-02	4.71E-03	8.95E-09	1.81E-05	1.24E-05	4.74E-03	5.99E-03	8.29E-03	1.36E-03	4.54E-04	1.61E-02
3798	482863.09	3852377.25	1.28167	0.21182	0.2555	0.14092	5.18E-03	6.32E-03	1.63E-03	4.45E-04	1.36E-02	4.71E-03	6.83E-09	2.17E-05	1.21E-05	4.75E-03	5.99E-03	6.32E-03	1.63E-03	4.45E-04	1.44E-02
3799	483363.09	3852377.25	0.84531	0.1385	0.2285	0.15836	3.42E-03	4.13E-03	1.46E-03	5.00E-04	9.51E-03	3.11E-03	4.46E-09	1.94E-05	1.36E-05	3.14E-03	3.95E-03	4.13E-03	1.46E-03	5.00E-04	1.00E-02
3800	483863.09	3852377.25	0.50796	0.10813	0.3156	0.12605	2.05E-03	3.23E-03	2.01E-03	3.98E-04	7.69E-03	1.87E-03	3.49E-09	2.68E-05	1.09E-05	1.91E-03	2.38E-03	3.23E-03	2.01E-03	3.98E-04	8.01E-03
3801	484363.09	3852377.25	0.50708	0.11131	0.2382	0.13405	2.05E-03	3.32E-03	1.52E-03	4.23E-04	7.31E-03	1.86E-03	3.59E-09	2.03E-05	1.15E-05	1.90E-03	2.37E-03	3.32E-03	1.52E-03	4.23E-04	7.63E-03
3802	484863.09	3852377.25	0.53669	0.11613	0.2815	0.12469	2.17E-03	3.46E-03	1.80E-03	3.94E-04	7.82E-03	1.97E-03	3.74E-09	2.39E-05	1.07E-05	2.01E-03	2.51E-03	3.46E-03	1.80E-03	3.94E-04	8.16E-03
3803	485363.09	3852377.25	0.47025	0.10706	0.3479	0.15986	1.90E-03	3.19E-03	2.22E-03	5.05E-04	7.82E-03	1.73E-03	3.45E-09	2.96E-05	1.38E-05	1.77E-03	2.20E-03	3.19E-03	2.22E-03	5.05E-04	8.12E-03
3804	485863.09	3852377.25	0.37337	0.083	0.4542	0.18939	1.51E-03	2.48E-03	2.90E-03	5.98E-04	7.48E-03	1.37E-03	2.68E-09	3.86E-05	1.63E-05	1.43E-03	1.75E-03	2.48E-03	2.90E-03	5.98E-04	7.72E-03
3805	486363.09	3852377.25	0.22638	0.06918	0.5516	0.14178	9.15E-04	2.06E-03	3.52E-03	4.48E-04	6.95E-03	8.32E-04	2.23E-09	4.69E-05	1.22E-05	8.91E-04	1.06E-03	2.06E-03	3.52E-03	4.48E-04	7.09E-03
3806	486863.09	3852377.25	0.19364	0.06717	0.5205	0.122	7.83E-04	2.00E-03	3.32E-03	3.85E-04	6.49E-03	7.12E-04	2.16E-09	4.43E-05	1.05E-05	7.67E-04	9.06E-04	2.00E-03	3.32E-03	3.85E-04	6.61E-03
3807	487363.09	3852377.25	0.13278	0.05796	0.4176	0.11685	5.37E-04	1.73E-03	2.66E-03	3.69E-04	5.30E-03	4.88E-04	1.87E-09	3.55E-05	1.01E-05	5.34E-04	6.21E-04	1.73E-03	2.66E-03	3.69E-04	5.38E-03
3808	487863.09	3852377.25	0.11326	0.05602	0.2393	0.12431	4.58E-04	1.67E-03	1.53E-03	3.92E-04	4.05E-03	4.16E-04	1.81E-09	2.04E-05	1.07E-05	4.47E-04	5.30E-04	1.67E-03	1.53E-03	3.92E-04	4.12E-03
3809	488363.09	3852377.25	0.11784	0.0487	0.158	0.10189	4.76E-04	1.45E-03	1.01E-03	3.22E-04	3.26E-03	4.33E-04	1.57E-09	1.34E-05	8.77E-06	4.55E-04	5.51E-04	1.45E-03	1.01E-03	3.22E-04	3.33E-03
3810	488863.09	3852377.25	0.08208	0.04524	0.5269	0.09909	3.32E-04	1.35E-03	3.36E-03	3.13E-04	5.36E-03	3.02E-04	1.46E-09	4.48E-05	8.53E-06	3.55E-04	3.84E-04	1.35E-03	3.36E-03	3.13E-04	5.41E-03
3811	489363.09	3852377.25	0.08573	0.03909	0.3414	0.09322	3.47E-04	1.17E-03	2.18E-03	2.94E-04	3.98E-03	3.15E-04	1.26E-09	2.90E-05	8.03E-06	3.52E-04	4.01E-04	1.17E-03	2.18E-03	2.94E-04	4.04E-03
3812	489863.09	3852377.25	0.09417	0.03409	0.2052	0.09125	3.81E-04	1.02E-03	1.31E-03	2.88E-04	2.99E-03	3.46E-04	1.10E-09	1.75E-05	7.86E-06	3.72E-04	4.40E-04	1.02E-03	1.31E-03	2.88E-04	3.05E-03
3813	490363.09	3852377.25	0.10128	0.03944	0.3555	0.09113	4.09E-04	1.18E-03	2.27E-03	2.88E-04	4.14E-03	3.72E-04	1.27E-09	3.02E-05	7.85E-06	4.10E-04	4.74E-04	1.18E-03	2.27E-03	2.88E-04	4.21E-03
3814	490863.09	3852377.25	0.10382	0.04228	0.2772	0.10382	4.20E-04	1.26E-03	1.77E-03	3.28E-04	3.78E-03	3.82E-04	1.36E-09	2.36E-05	8.94E-06	4.14E-04	4.86E-04	1.26E-03	1.77E-03	3.28E-04	3.84E-03
3815	491363.09	3852377.25	0.13041	0.04579	0.2325	0.08812	5.27E-04	1.37E-03	1.48E-03	2.78E-04	3.65E-03	4.79E-04	1.48E-09	1.98E-05	7.59E-06	5.07E-04	6.10E-04	1.37E-03	1.48E-03	2.78E-04	3.74E-03
3816	491863.09	3852377.25	0.13389	0.04539	0.3073	0.08057	5.41E-04	1.35E-03	1.96E-03	2.54E-04	4.11E-03	4.92E-04	1.46E-09	2.61E-05	6.94E-06	5.25E-04	6.26E-04	1.35E-03	1.96E-03	2.54E-04	4.19E-03
3817	492363.09	3852377.25	0.12895	0.04696	0.4738	0.09012	5.21E-04	1.40E-03	3.02E-03	2.85E-04	5.23E-03	4.74E-04	1.51E-09	4.03E-05	7.76E-06	5.22E-04	6.03E-04	1.40E-03	3.02E-03	2.85E-04	5.31E-03
3818	492863.09	3852377.25	0.13932	0.05155	0.471	0.09616	5.63E-04	1.54E-03	3.00E-03	3.04E-04	5.41E-03	5.12E-04	1.66E-09	4.01E-05	8.28E-06	5.61E-04	6.52E-04	1.54E-03	3.00E-03	3.04E-04	5.50E-03
3819	493363.09	3852377.25	0.15514	0.05584	0.5438	0.10455	6.27E-04	1.67E-03	3.47E-03	3.30E-04	6.09E-03	5.70E-04	1.80E-09	4.63E-05	9.00E-06	6.26E-04	7.26E-04	1.67E-03	3.47E-03	3.30E-04	6.19E-03
3820	493863.09	3852377.25	0.15242	0.05894	0.5643	0.11198	6.16E-04	1.76E-03	3.60E-03	3.54E-04	6.33E-03	5.60E-04	1.90E-09	4.80E-05	9.64E-06	6.18E-04	7.13E-04	1.76E-03	3.60E-03	3.54E-04	6.42E-03
3821	494363.09	3852377.25	0.15187	0.05731	0.5373	0.10624	6.14E-04	1.71E-03	3.43E-03	3.35E-04	6.09E-03	5.58E-04	1.85E-09	4.57E-05	9.15E-06	6.13E-04	7.10E-04	1.71E-03	3.43E-03	3.35E-04	6.18E-03
3822	494863.09	3852377.25	0.15978	0.05222	0.4039	0.11507	6.46E-04	1.56E-03	2.58E-03	3.63E-04	5.14E-03	5.87E-04	1.68E-09	3.44E-05	9.91E-06	6.32E-04	7.47E-04	1.56E-03	2.58E-03	3.63E-04	5.24E-03
3823	495363.09	3852377.25	0.16905	0.05692	0.3908	0.11319	6.83E-04	1.70E-03	2.49E-03	3.57E-04	5.23E-03	6.22E-04	1.83E-09	3.32E-05	9.75E-06	6.65E-04	7.91E-04	1.70E-03	2.49E-03	3.57E-04	5.34E-03
3824	495863.09	3852377.25	0.16089	0.0577	0.2793	0.10737	6.50E-04	1.72E-03	1.78E-03	3.39E-04	4.49E-03	5.92E-04	1.86E-09	2.38E-05	9.25E-06	6.25E-04	7.52E-04	1.72E-03	1.78E-03	3.39E-04	4.59E-03
3825	496363.09	3852377.25	0.15444	0.053	0.3315	0.10248	6.24E-04	1.58E-03	2.11E-03	3.24E-04	4.64E-03	5.68E-04	1.71E-09	2.82E-05	8.82E-06	6.05E-04	7.22E-04	1.58E-03	2.11E-03	3.24E-04	4.74E-03
3826	496863.09	3852377.25	0.15064	0.05072	0.3246	0.0996	6.09E-04	1.51E-03	2.07E-03	3.14E-04	4.51E-03	5.54E-04	1.63E-09	2.76E-05	8.58E-06	5.90E-04	7.04E-04	1.51E-03	2.07E-03	3.14E-04	4.60E-03
3827	497363.09	3852377.25	0.13638	0.04931	0.3009	0.09034	5.51E-04	1.47E-03	1.92E-03	2.85E-04	4.23E-03	5.01E-04	1.59E-09	2.56E-05	7.78E-06	5.35E-04	6.38E-04	1.47E-03	1.92E-03	2.85E-04	4.31E-03
3828	497863.09	3852377.25	0.12542	0.04736	0.2463	0.08774	5.07E-04	1.41E-03	1.57E-03	2.77E-04	3.77E-03	4.61E-04	1.53E-09	2.09E-05	7.56E-06	4.90E-04	5.87E-04	1.41E-03	1.57E-03	2.77E-04	3.85E-03
3829	498363.09	3852377.25	0.11249	0.04496	0.222	0.08717	4.55E-04	1.34E-03	1.42E-03	2.75E-04	3.49E-03	4.14E-04	1.45E-09	1.89E-05	7.51E-06	4.40E-04	5.26E-04	1.34E-03	1.42E-03	2.75E-04	3.56E-03
3830	471363.09	3852877.25	0.18813	0.07124	0.2757	0.11026	7.60E-04	2.13E-03	1.76E-03	3.48E-04	4.99E-03	6.92E-04	2.30E-09	2.35E-05	9.49E-06	7.25E-04	8.80E-04	2.13E-03	1.76E-03	3.48E-04	5.11E-03
3831	471863.09	3852877.25	0.19768	0.07471	0.2821	0.12936	7.99E-04	2.23E-03	1.80E-03	4.08E-04	5.24E-03	7.27E-04	2.41E-09	2.40E-05	1.11E-05	7.62E-04	9.24E-04	2.23E-03	1.80E-03	4.08E-04	5.36E-03
3832	472363.09	3852877.25	0.23607	0.08231	0.2891	0.12826	9.54E-04	2.46E-03	1.84E-03	4.05E-04	5.66E-03	8.68E-04	2.65E-09	2.46E-05	1.10E-05	9.04E-04	1.10E-03	2.46E-03	1.84E-03	4.05E-04	5.81E-03
3833	472863.09	3852877.25	0.26414	0.08596	0.3356	0.13091	1.07E-03	2.56E-03	2.14E-03	4.13E-04	6.19E-03	9.71E-04	2.77E-09	2.85E-05	1.13E-05	1.01E-03	1.24E-03	2.56E-03	2.14E-03	4.13E-04	6.35E-03
3834	473363.09	3852877.25	0.26474	0.10336	0.2997	0.12886	1.07E-03	3.08E-03	1.91E-03	4.07E-04	6.47E-03	9.73E-04	3.33E-09	2.55E-05	1.11E-05	1.01E-03	1.24E-03	3.08E-03	1.91E-03	4.07E-04	6.64E-03
3835	473863.09	3852877.25	0.27929	0.10584	0.2506	0.12341	1.13E-03	3.16E-03	1.60E-03	3.90E-04	6.27E-03	1.03E-03	3.41E-09	2.13E-05	1.06E-05	1.06E-03	1.31E-03	3.16E-03	1.60E-03	3.90E-04	6.45E-03
3836	474363.09	3852877.25	0.32027	0.11214	0.2815	0.11593	1.29E-03	3.35E-03	1.80E-03	3.66E-04	6.80E-03	1.18E-03	3.61E-09	2.39E-05	9.98E-06	1.21E-03	1.50E-03	3.35E-03	1.80E-03	3.66E-04	7.00E-03
3837	474863.09	3852877.25	0.30572	0.11134	0.2612	0.10399	1.24E-03	3.32E-03	1.67E-03	3.28E-04	6.55E-03	1.12E-03	3.59E-09	2.22E-05	8.95E-06	1.16E-03	1.43E-03	3.32E-03	1.67E-03	3.28E-04	6.75E-03
3838	475363.09	3852877.25	0.33304	0.13386	0.2371	0.10955	1.35E-03	3.99E-03	1.51E-03	3.46E-04	7.20E-03	1.22E-03	4.31E-09	2.02E-05	9.43E-06	1.25E-03	1.56E-03	3.99E-03	1.51E-03	3.46E-04	7.41E-03
3839	475863.09	3852877.25	0.33006	0.13431	0.22	0.11313	1.33E-03	4.01E-03	1.40E-03	3.57E-04	7.10E-03	1.21E-03	4.33E-09	1.87E-05	9.74E-06	1.24E-03	1.54E-03	4.01E-03	1.40E-03	3.57E-04	7.31E-03

3840	476363.09	3852877.25	0.30054	0.1431	0.2348	0.08897	1.21E-03	4.27E-03	1.50E-03	2.81E-04	7.26E-03	1.10E-03	4.61E-09	2.00E-05	7.66E-06	1.13E-03	1.41E-03	4.27E-03	1.50E-03	2.81E-04	7.45E-03
3841	476863.09	3852877.25	0.2607	0.14682	0.1625	0.0905	1.05E-03	4.38E-03	1.04E-03	2.86E-04	6.76E-03	9.58E-04	4.73E-09	1.38E-05	7.79E-06	9.80E-04	1.22E-03	4.38E-03	1.04E-03	2.86E-04	6.92E-03
3842	477363.09	3852877.25	0.25951	0.13164	0.1269	0.09664	1.05E-03	3.93E-03	8.09E-04	3.05E-04	6.09E-03	9.54E-04	4.24E-09	1.08E-05	8.32E-06	9.73E-04	1.21E-03	3.93E-03	8.09E-04	3.05E-04	6.26E-03
3843	477863.09	3852877.25	0.21488	0.10632	0.0969	0.10552	8.69E-04	3.17E-03	6.18E-04	3.33E-04	4.99E-03	7.90E-04	3.43E-09	8.24E-06	9.09E-06	8.07E-04	1.00E-03	3.17E-03	6.18E-04	3.33E-04	5.13E-03
3844	478363.09	3852877.25	0.15546	0.09041	0.1036	0.10876	6.28E-04	2.70E-03	6.61E-04	3.43E-04	4.33E-03	5.72E-04	2.91E-09	8.81E-06	9.37E-06	5.90E-04	7.27E-04	2.70E-03	6.61E-04	3.43E-04	4.43E-03
3845	478863.09	3852877.25	0.18838	0.10295	0.1428	0.09998	7.61E-04	3.07E-03	9.11E-04	3.16E-04	5.06E-03	6.93E-04	3.32E-09	1.21E-05	8.61E-06	7.13E-04	8.81E-04	3.07E-03	9.11E-04	3.16E-04	5.18E-03
3846	479363.09	3852877.25	0.3377	0.1207	0.2194	0.13036	1.37E-03	3.60E-03	1.40E-03	4.12E-04	6.78E-03	1.24E-03	3.89E-09	1.87E-05	1.12E-05	1.27E-03	1.58E-03	3.60E-03	1.40E-03	4.12E-04	6.99E-03
3847	479863.09	3852877.25	0.81801	0.23675	0.2479	0.10801	3.31E-03	7.06E-03	1.58E-03	3.41E-04	1.23E-02	3.01E-03	7.63E-09	2.11E-05	9.30E-06	3.04E-03	3.83E-03	7.06E-03	1.58E-03	3.41E-04	1.28E-02
3848	480363.09	3852877.25	0.92897	0.447	0.1941	0.1256	3.76E-03	1.33E-02	1.24E-03	3.97E-04	1.87E-02	3.42E-03	1.44E-08	1.65E-05	1.08E-05	3.44E-03	4.34E-03	1.33E-02	1.24E-03	3.97E-04	1.93E-02
3849	480863.09	3852877.25	1.03832	0.50958	0.1377	0.12538	4.20E-03	1.52E-02	8.78E-04	3.96E-04	2.07E-02	3.82E-03	1.64E-08	1.17E-05	1.08E-05	3.84E-03	4.86E-03	1.52E-02	8.78E-04	3.96E-04	2.13E-02
3850	481363.09	3852877.25	1.04605	0.54954	0.1814	0.12818	4.23E-03	1.64E-02	1.16E-03	4.05E-04	2.22E-02	3.85E-03	1.77E-08	1.54E-05	1.10E-05	3.87E-03	4.89E-03	1.64E-02	1.16E-03	4.05E-04	2.28E-02
3851	481863.09	3852877.25	1.0382	0.50682	0.2082	0.13406	4.20E-03	1.51E-02	1.33E-03	4.23E-04	2.11E-02	3.82E-03	1.63E-08	1.77E-05	1.15E-05	3.85E-03	4.86E-03	1.51E-02	1.33E-03	4.23E-04	2.17E-02
3852	482363.09	3852877.25	1.40507	0.39359	0.1776	0.15739	5.68E-03	1.17E-02	1.13E-03	4.97E-04	1.91E-02	5.17E-03	1.27E-08	1.51E-05	1.36E-05	5.19E-03	6.57E-03	1.17E-02	1.13E-03	4.97E-04	1.99E-02
3853	482863.09	3852877.25	1.47881	0.35436	0.2307	0.13013	5.98E-03	1.06E-02	1.47E-03	4.11E-04	1.84E-02	5.44E-03	1.14E-08	1.96E-05	1.12E-05	5.47E-03	6.92E-03	1.06E-02	1.47E-03	4.11E-04	1.94E-02
3854	483363.09	3852877.25	1.43741	0.24539	0.2755	0.15225	5.81E-03	7.32E-03	1.76E-03	4.81E-04	1.54E-02	5.28E-03	7.91E-09	2.34E-05	1.31E-05	5.32E-03	6.72E-03	7.32E-03	1.76E-03	4.81E-04	1.63E-02
3855	483863.09	3852877.25	0.86309	0.14598	0.2498	0.15721	3.49E-03	4.36E-03	1.59E-03	4.96E-04	9.93E-03	3.17E-03	4.71E-09	2.12E-05	1.35E-05	3.21E-03	4.04E-03	4.36E-03	1.59E-03	4.96E-04	1.05E-02
3856	484363.09	3852877.25	0.67441	0.12566	0.3228	0.13215	2.73E-03	3.75E-03	2.06E-03	4.17E-04	8.95E-03	2.48E-03	4.05E-09	2.75E-05	1.14E-05	2.52E-03	3.15E-03	3.75E-03	2.06E-03	4.17E-04	9.38E-03
3857	484863.09	3852877.25	0.69157	0.12747	0.3378	0.14695	2.80E-03	3.80E-03	2.15E-03	4.64E-04	9.22E-03	2.54E-03	4.11E-09	2.87E-05	1.27E-05	2.58E-03	3.23E-03	3.80E-03	2.15E-03	4.64E-04	9.66E-03
3858	485363.09	3852877.25	0.37995	0.09497	0.3684	0.15321	1.54E-03	2.83E-03	2.35E-03	4.84E-04	7.20E-03	1.40E-03	3.06E-09	3.13E-05	1.32E-05	1.44E-03	1.78E-03	2.83E-03	2.35E-03	4.84E-04	7.44E-03
3859	485863.09	3852877.25	0.30351	0.07589	0.3458	0.16926	1.23E-03	2.26E-03	2.21E-03	5.34E-04	6.23E-03	1.12E-03	2.45E-09	2.94E-05	1.46E-05	1.16E-03	1.42E-03	2.26E-03	2.21E-03	5.34E-04	6.42E-03
3860	486363.09	3852877.25	0.20625	0.07137	0.6749	0.13866	8.34E-04	2.13E-03	4.30E-03	4.38E-04	7.71E-03	7.58E-04	2.30E-09	5.74E-05	1.19E-05	8.28E-04	9.65E-04	2.13E-03	4.30E-03	4.38E-04	7.84E-03
3861	486863.09	3852877.25	0.17621	0.06753	0.5644	0.13255	7.12E-04	2.01E-03	3.60E-03	4.19E-04	6.75E-03	6.48E-04	2.18E-09	4.80E-05	1.14E-05	7.07E-04	8.24E-04	2.01E-03	3.60E-03	4.19E-04	6.86E-03
3862	487363.09	3852877.25	0.1305	0.05748	0.5065	0.12713	5.28E-04	1.71E-03	3.23E-03	4.01E-04	5.87E-03	4.80E-04	1.85E-09	4.31E-05	1.09E-05	5.34E-04	6.10E-04	1.71E-03	3.23E-03	4.01E-04	5.96E-03
3863	487863.09	3852877.25	0.13013	0.05702	0.2866	0.11058	5.26E-04	1.70E-03	1.83E-03	3.49E-04	4.40E-03	4.78E-04	1.84E-09	2.44E-05	9.52E-06	5.12E-04	6.09E-04	1.70E-03	1.83E-03	3.49E-04	4.49E-03
3864	488363.09	3852877.25	0.08807	0.04592	0.1761	0.10169	3.56E-04	1.37E-03	1.12E-03	3.21E-04	3.17E-03	3.24E-04	1.48E-09	1.50E-05	8.76E-06	3.48E-04	4.12E-04	1.37E-03	1.12E-03	3.21E-04	3.23E-03
3865	488863.09	3852877.25	0.10544	0.04346	0.5281	0.09677	4.26E-04	1.30E-03	3.37E-03	3.06E-04	5.40E-03	3.88E-04	1.40E-09	4.49E-05	8.33E-06	4.41E-04	4.93E-04	1.30E-03	3.37E-03	3.06E-04	5.46E-03
3866	489363.09	3852877.25	0.1116	0.04147	0.3795	0.09587	4.51E-04	1.24E-03	2.42E-03	3.03E-04	4.41E-03	4.10E-04	1.34E-09	3.23E-05	8.26E-06	4.51E-04	5.22E-04	1.24E-03	2.42E-03	3.03E-04	4.48E-03
3867	489863.09	3852877.25	0.11158	0.04197	0.2529	0.10006	4.51E-04	1.25E-03	1.61E-03	3.16E-04	3.63E-03	4.10E-04	1.35E-09	2.15E-05	8.62E-06	4.40E-04	5.22E-04	1.25E-03	1.61E-03	3.16E-04	3.70E-03
3868	490363.09	3852877.25	0.14595	0.05086	0.4247	0.10485	5.90E-04	1.52E-03	2.71E-03	3.31E-04	5.15E-03	5.37E-04	1.64E-09	3.61E-05	9.03E-06	5.82E-04	6.83E-04	1.52E-03	2.71E-03	3.31E-04	5.24E-03
3869	490863.09	3852877.25	0.16079	0.05244	0.2796	0.10906	6.50E-04	1.56E-03	1.78E-03	3.44E-04	4.34E-03	5.91E-04	1.69E-09	2.38E-05	9.39E-06	6.24E-04	7.52E-04	1.56E-03	1.78E-03	3.44E-04	4.44E-03
3870	491363.09	3852877.25	0.17481	0.05652	0.3041	0.11644	7.07E-04	1.69E-03	1.94E-03	3.68E-04	4.70E-03	6.43E-04	1.82E-09	2.59E-05	1.00E-05	6.79E-04	8.18E-04	1.69E-03	1.94E-03	3.68E-04	4.81E-03
3871	491863.09	3852877.25	0.18551	0.06203	0.4597	0.11934	7.50E-04	1.85E-03	2.93E-03	3.77E-04	5.91E-03	6.82E-04	2.00E-09	3.91E-05	1.03E-05	7.31E-04	8.68E-04	1.85E-03	2.93E-03	3.77E-04	6.03E-03
3872	492363.09	3852877.25	0.18299	0.06379	0.5301	0.12462	7.40E-04	1.90E-03	3.38E-03	3.93E-04	6.42E-03	6.73E-04	2.06E-09	4.51E-05	1.07E-05	7.29E-04	8.56E-04	1.90E-03	3.38E-03	3.93E-04	6.53E-03
3873	492863.09	3852877.25	0.20905	0.07163	0.707	0.12235	8.45E-04	2.14E-03	4.51E-03	3.86E-04	7.88E-03	7.69E-04	2.31E-09	6.01E-05	1.05E-05	8.39E-04	9.78E-04	2.14E-03	4.51E-03	3.86E-04	8.01E-03
3874	493363.09	3852877.25	0.22028	0.07013	0.8269	0.12228	8.90E-04	2.09E-03	5.27E-03	3.86E-04	8.64E-03	8.10E-04	2.26E-09	7.03E-05	1.05E-05	8.91E-04	1.03E-03	2.09E-03	5.27E-03	3.86E-04	8.78E-03
3875	493863.09	3852877.25	0.22267	0.05988	0.6545	0.12163	9.00E-04	1.79E-03	4.17E-03	3.84E-04	7.25E-03	8.19E-04	1.93E-09	5.57E-05	1.05E-05	8.85E-04	1.04E-03	1.79E-03	4.17E-03	3.84E-04	7.39E-03
3876	494363.09	3852877.25	0.20806	0.06099	0.402	0.11908	8.41E-04	1.82E-03	2.56E-03	3.76E-04	5.60E-03	7.65E-04	1.97E-09	3.42E-05	1.03E-05	8.09E-04	9.73E-04	1.82E-03	2.56E-03	3.76E-04	5.73E-03
3877	494863.09	3852877.25	0.22107	0.06497	0.3957	0.11512	8.94E-04	1.94E-03	2.52E-03	3.63E-04	5.72E-03	8.13E-04	2.09E-09	3.37E-05	9.91E-06	8.56E-04	1.03E-03	1.94E-03	2.52E-03	3.63E-04	5.86E-03
3878	495363.09	3852877.25	0.22314	0.06714	0.3716	0.11353	9.02E-04	2.00E-03	2.37E-03	3.58E-04	5.63E-03	8.20E-04	2.16E-09	3.16E-05	9.78E-06	8.62E-04	1.04E-03	2.00E-03	2.37E-03	3.58E-04	5.77E-03
3879	495863.09	3852877.25	0.19642	0.06406	0.3641	0.11392	7.94E-04	1.91E-03	2.32E-03	3.60E-04	5.39E-03	7.22E-04	2.06E-09	3.10E-05	9.81E-06	7.63E-04	9.19E-04	1.91E-03	2.32E-03	3.60E-04	5.51E-03
3880	496363.09	3852877.25	0.19851	0.06389	0.4122	0.1094	8.02E-04	1.91E-03	2.63E-03	3.45E-04	5.68E-03	7.30E-04	2.06E-09	3.51E-05	9.42E-06	7.74E-04	9.28E-04	1.91E-03	2.63E-03	3.45E-04	5.81E-03
3881	496863.09	3852877.25	0.18349	0.06029	0.3484	0.10715	7.42E-04	1.80E-03	2.22E-03	3.38E-04	5.10E-03	6.75E-04	1.94E-09	2.96E-05	9.23E-06	7.13E-04	8.58E-04	1.80E-03	2.22E-03	3.38E-04	5.22E-03
3882	497363.09	3852877.25	0.14695	0.05382	0.252	0.09711	5.94E-04	1.61E-03	1.61E-03	3.07E-04	4.11E-03	5.40E-04	1.73E-09	2.14E-05	8.36E-06	5.70E-04	6.87E-04	1.61E-03	1.61E-03	3.07E-04	4.21E-03
3883	497863.09	3852877.25	0.11969	0.04565	0.2401	0.09671	4.84E-04	1.36E-03	1.53E-03	3.05E-04	3.68E-03	4.40E-04	1.47E-09	2.04E-05	8.33E-06	4.69E-04	5.60E-04	1.36E-03	1.53E-03	3.05E-04	3.76E-03
3884	498363.09	3852877.25	0.11001	0.04386	0.2638	0.09578	4.45E-04	1.31E-03	1.68E-03	3.02E-04	3.74E-03	4.04E-04	1.41E-09	2.24E-05	8.25E-06	4.35E-04	5.14E-04	1.31E-03	1.68E-03	3.02E-04	3.81E-03
3885	471363.09	3853377.25	0.19561	0.07574	0.3081	0.1244	7.91E-04	2.26E-03	1.97E-03	3.93E-04	5.41E-03	7.19E-04	2.44E-09	2.62E-05	1.07E-05	7.56E-04	9.15E-04	2.26E-03	1.97E-03	3.93E-04	5.53E-03
3886	471863.09	3853377.25	0.21613	0.07784	0.3171	0.13306	8.74E-04	2.32E-03	2.02E-03	4.20E-04	5.64E-03	7.95E-04	2.51E-09	2.70E-05	1.15E-05	8.33E-04	1.01E-03	2.32E-03	2.02E-03	4.20E-04	5.78E-03
3887	472363.09	3853377.25	0.23042	0.0844	0.323	0.13518	9.31E-04	2.52E-03	2.06E-03	4.27E-04	5.94E-03	8.47E-04	2.72E-09	2.75E-05	1.16E-05	8.86E-04	1.08E-03	2.52E-03	2.06E-03	4.27E-04	6.08E-03
3888	472863.09	3853377.25	0.24415	0.08832	0.3136	0.14392	9.87E-04	2.63E-03	2.00E-03	4.54E-04	6.08E-03	8.98E-04	2.85E-09	2.67E-05	1.24E-05	9.37E-04	1.14E-03	2.63E-03	2.00E-03	4.54E-04	6.23E-03
3889	473363.09	3853377.25	0.2754	0.09416	0.2991	0.14534	1.11E-03	2.81E-03	1.91E-03	4.59E-04	6.29E-03	1.01E-03	3.03E-09	2.54E-05	1.25E-05	1.05E-03	1.29E-03	2.81E-03	1.91E-03	4.59E-04	6.46E-03
3890	473863.09	3853377.25	0.27223	0.0989	0.3162	0.14521	1.10E-03	2.95E-03	2.02E-03	4.58E-04	6.53E-03	1.00E-03	3.19E-09	2.69E-05	1.25E-05	1.04E-03	1.27E-03	2.95E-03	2.02E-03	4.58E-04	6.70E-03
3891	474363.09	3853377.25	0.29875	0.10273	0.3772	0.14339	1.21E-03	3.06E-03	2.41E-03	4.53E-04	7.13E-03	1.10E-03	3.31E-09	3.21E-05	1.23E-05	1.14E-03	1.40E-03	3.06E-03	2.41E-03	4.53E-04	7.32E-03
3892	474863.09	3853377.25	0.31494	0.1051	0.3341	0.13761	1.27E-03	3.14E-03	2.13E-03	4.34E-04	6.97E-03	1.16E-03	3.39E-09	2.84E-05	1.18E-05	1.20E-03	1.47E-03	3.14E-03	2.13E-03	4.34E-04	7.17E-03
3893	475363.09	3853377.25	0.29369	0.10929	0.2819	0.12951	1.19E-03	3.26E-03	1.80E-03	4.09E-04	6.65E-03	1.08E-03	3.52E-09	2.40E-05	1.12E-05	1.11E-03	1.37E-03	3.26E-03	1.80E-03	4.09E-04	6.84E-03
3894	475863.09	3853377.25	0.27209	0.10804	0.304	0.11927	1.10E-03	3.22E-03	1.94E-03	3.77E-04	6.64E-03	1.00E-03	3.48E-09	2.59E-05	1.03E-05	1.04E-03	1.27E-03	3.22E-03	1.94E-03	3.77E-04	6.81E-03
3895	476363.09	3853377.25	0.27805	0.11149	0.2723	0.11416	1.12E-03	3.33E-03	1.74E-03	3.60E-04	6.55E-03	1.02E-03	3.59E-09	2.32E-05	9.83E-06	1.06E-03	1.30E-03	3.33E-03	1.74E-03	3.60E-04	6.72E-03
3896	476863.09	3853377.25	0.2204	0.10705	0.2391	0.11575	8.91E-04	3.19E-03	1.52E-03	3.65E-04	5.97E-03	8.10E-04	3.45E-09	2.03E-05	9.97E-06	8.41E-04	1.03E-03	3.19E-03	1.52E-03	3.65E-04	6.11E-03
3897	477363.09	3853377.25	0.22465	0.11916	0.2665	0.10173	9.08E-04	3.55E-03	1.70E-03	3.21E-04	6.48E-03	8.26E-04	3.84E-09	2.27E-05	8.76E-06	8.57E-04	1.05E-03	3.55E-03	1.70E-03	3.21E-04	6.63E-03
3898	477863.09	3853377.25	0.21415	0.12931	0.1949	0.09005	8.66E-04	3.86E-03	1.24E-03	2.84E-04	6.25E-03	7.87E-04	4.17E-09	1.66E-05	7.75E-06	8.12E-04	1.00E-03	3.86E-03	1.24E-03	2.84E-04	6.39E-03
3899	478363.09	3853377.25	0.1588	0.1072	0.1411	0.09717	6.42E-04	3.20E-03	9.00E-04	3.07E-04	5.05E-03	5.84E-04	3.46E-09	1.20E-05	8.37E-06	6.04E-04	7.43E-04	3.20E-03	9.00E-04	3.07E-04	5.15E-03
3900	478863.09	3853377.25	0.11699	0.09135	0.1082	0.11185	4.73E-04	2.73E-03	6.90E-04	3.53E-04	4.24E-03	4.30E-04	2.94E-09	9.20E-06	9.63E-06	4.49E-04	5.47E-04	2.73E-03	6.90E-04	3.53E-04	4.32E-03

3901	479363.09	3853377.25	0.21853	0.1092	0.1296	0.12057	8.83E-04	3.26E-03	8.27E-04	3.81E-04	5.35E-03	8.03E-04	3.52E-09	1.10E-05	1.04E-05	8.25E-04	1.02E-03	3.26E-03	8.27E-04	3.81E-04	5.49E-03
3902	479863.09	3853377.25	0.3571	0.13739	0.1873	0.13191	1.44E-03	4.10E-03	1.19E-03	4.16E-04	7.15E-03	1.31E-03	4.43E-09	1.59E-05	1.14E-05	1.34E-03	1.67E-03	4.10E-03	1.19E-03	4.16E-04	7.38E-03
3903	480363.09	3853377.25	0.76393	0.26335	0.2604	0.11733	3.09E-03	7.86E-03	1.66E-03	3.70E-04	1.30E-02	2.81E-03	8.49E-09	2.21E-05	1.01E-05	2.84E-03	3.57E-03	7.86E-03	1.66E-03	3.70E-04	1.35E-02
3904	480863.09	3853377.25	0.98216	0.24303	0.2186	0.13202	3.97E-03	7.25E-03	1.39E-03	4.17E-04	1.30E-02	3.61E-03	7.83E-09	1.86E-05	1.14E-05	3.64E-03	4.59E-03	7.25E-03	1.39E-03	4.17E-04	1.37E-02
3905	481363.09	3853377.25	1.24896	0.40062	0.1803	0.13972	5.05E-03	1.20E-02	1.15E-03	4.41E-04	1.86E-02	4.59E-03	1.29E-08	1.53E-05	1.20E-05	4.62E-03	5.84E-03	1.20E-02	1.15E-03	4.41E-04	1.94E-02
3906	481863.09	3853377.25	1.19188	0.70307	0.1773	0.15381	4.82E-03	2.10E-02	1.13E-03	4.86E-04	2.74E-02	4.38E-03	2.27E-08	1.51E-05	1.32E-05	4.41E-03	5.57E-03	2.10E-02	1.13E-03	4.86E-04	2.82E-02
3907	482363.09	3853377.25	1.28362	0.49213	0.2177	0.15326	5.19E-03	1.47E-02	1.39E-03	4.84E-04	2.17E-02	4.72E-03	1.59E-08	1.85E-05	1.32E-05	4.75E-03	6.00E-03	1.47E-02	1.39E-03	4.84E-04	2.26E-02
3908	482863.09	3853377.25	1.74386	0.46827	0.2005	0.17867	7.05E-03	1.40E-02	1.28E-03	5.64E-04	2.29E-02	6.41E-03	1.51E-08	1.70E-05	1.54E-05	6.44E-03	8.16E-03	1.40E-02	1.28E-03	5.64E-04	2.40E-02
3909	483363.09	3853377.25	1.86315	0.31122	0.2497	0.16155	7.53E-03	9.28E-03	1.59E-03	5.10E-04	1.89E-02	6.85E-03	1.00E-08	2.12E-05	1.39E-05	6.89E-03	8.71E-03	9.28E-03	1.59E-03	5.10E-04	2.01E-02
3910	483863.09	3853377.25	1.58188	0.24097	0.3131	0.18335	6.39E-03	7.19E-03	2.00E-03	5.79E-04	1.62E-02	5.82E-03	7.77E-09	2.66E-05	1.58E-05	5.86E-03	7.40E-03	7.19E-03	2.00E-03	5.79E-04	1.72E-02
3911	484363.09	3853377.25	1.07337	0.19285	0.3059	0.13053	4.34E-03	5.75E-03	1.95E-03	4.12E-04	1.25E-02	3.95E-03	6.22E-09	2.60E-05	1.12E-05	3.98E-03	5.02E-03	5.75E-03	1.95E-03	4.12E-04	1.31E-02
3912	484863.09	3853377.25	0.8088	0.1303	0.3188	0.15917	3.27E-03	3.89E-03	2.03E-03	5.03E-04	9.69E-03	2.97E-03	4.20E-09	2.71E-05	1.37E-05	3.01E-03	3.78E-03	3.89E-03	2.03E-03	5.03E-04	1.02E-02
3913	485363.09	3853377.25	0.322	0.08957	0.3047	0.172	1.30E-03	2.67E-03	1.94E-03	5.43E-04	6.46E-03	1.18E-03	2.89E-09	2.59E-05	1.48E-05	1.22E-03	1.51E-03	2.67E-03	1.94E-03	5.43E-04	6.66E-03
3914	485863.09	3853377.25	0.23889	0.06757	0.3797	0.15202	9.66E-04	2.02E-03	2.42E-03	4.80E-04	5.88E-03	8.78E-04	2.18E-09	3.23E-05	1.31E-05	9.24E-04	1.12E-03	2.02E-03	2.42E-03	4.80E-04	6.04E-03
3915	486363.09	3853377.25	0.21201	0.06812	0.4864	0.15498	8.57E-04	2.03E-03	3.10E-03	4.89E-04	6.48E-03	7.79E-04	2.20E-09	4.14E-05	1.33E-05	8.34E-04	9.91E-04	2.03E-03	3.10E-03	4.89E-04	6.62E-03
3916	486863.09	3853377.25	0.17869	0.06894	0.69	0.14364	7.22E-04	2.06E-03	4.40E-03	4.54E-04	7.63E-03	6.57E-04	2.22E-09	5.87E-05	1.24E-05	7.28E-04	8.36E-04	2.06E-03	4.40E-03	4.54E-04	7.75E-03
3917	487363.09	3853377.25	0.15088	0.06367	0.5744	0.13338	6.10E-04	1.90E-03	3.66E-03	4.21E-04	6.59E-03	5.55E-04	2.05E-09	4.89E-05	1.15E-05	6.15E-04	7.06E-04	1.90E-03	3.66E-03	4.21E-04	6.69E-03
3918	487863.09	3853377.25	0.16706	0.06627	0.3889	0.12726	6.75E-04	1.98E-03	2.48E-03	4.02E-04	5.53E-03	6.14E-04	2.14E-09	3.31E-05	1.10E-05	6.58E-04	7.81E-04	1.98E-03	2.48E-03	4.02E-04	5.64E-03
3919	488363.09	3853377.25	0.17936	0.07274	0.2156	0.12458	7.25E-04	2.17E-03	1.38E-03	3.93E-04	4.66E-03	6.59E-04	2.34E-09	1.83E-05	1.07E-05	6.88E-04	8.39E-04	2.17E-03	1.38E-03	3.93E-04	4.78E-03
3920	488863.09	3853377.25	0.19375	0.07198	0.5439	0.16559	7.83E-04	2.15E-03	3.47E-03	5.23E-04	6.92E-03	7.12E-04	2.32E-09	4.63E-05	1.43E-05	7.73E-04	9.06E-04	2.15E-03	3.47E-03	5.23E-04	7.05E-03
3921	489363.09	3853377.25	0.21061	0.06488	0.3928	0.13786	8.51E-04	1.94E-03	2.51E-03	4.35E-04	5.73E-03	7.74E-04	2.09E-09	3.34E-05	1.19E-05	8.20E-04	9.85E-04	1.94E-03	2.51E-03	4.35E-04	5.86E-03
3922	489863.09	3853377.25	0.19927	0.06259	0.5835	0.13738	8.05E-04	1.87E-03	3.72E-03	4.34E-04	6.83E-03	7.33E-04	2.02E-09	4.96E-05	1.18E-05	7.94E-04	9.32E-04	1.87E-03	3.72E-03	4.34E-04	6.95E-03
3923	490363.09	3853377.25	0.22186	0.06434	0.4648	0.13273	8.97E-04	1.92E-03	2.96E-03	4.19E-04	6.20E-03	8.16E-04	2.07E-09	3.95E-05	1.14E-05	8.67E-04	1.04E-03	1.92E-03	2.96E-03	4.19E-04	6.34E-03
3924	490863.09	3853377.25	0.24721	0.06974	0.4366	0.13146	9.99E-04	2.08E-03	2.78E-03	4.15E-04	6.28E-03	9.09E-04	2.25E-09	3.71E-05	1.13E-05	9.57E-04	1.16E-03	2.08E-03	2.78E-03	4.15E-04	6.44E-03
3925	491363.09	3853377.25	0.27049	0.07643	0.4355	0.14169	1.09E-03	2.28E-03	2.78E-03	4.47E-04	6.60E-03	9.94E-04	2.46E-09	3.70E-05	1.22E-05	1.04E-03	1.26E-03	2.28E-03	2.78E-03	4.47E-04	6.77E-03
3926	491863.09	3853377.25	0.27546	0.07251	0.5541	0.12916	1.11E-03	2.16E-03	3.53E-03	4.08E-04	7.22E-03	1.01E-03	2.34E-09	4.71E-05	1.11E-05	1.07E-03	1.29E-03	2.16E-03	3.53E-03	4.08E-04	7.39E-03
3927	492363.09	3853377.25	0.29822	0.07141	0.7697	0.13284	1.21E-03	2.13E-03	4.91E-03	4.19E-04	8.66E-03	1.10E-03	2.30E-09	6.55E-05	1.14E-05	1.17E-03	1.39E-03	2.13E-03	4.91E-03	4.19E-04	8.85E-03
3928	492863.09	3853377.25	0.30873	0.07651	0.9158	0.13275	1.25E-03	2.28E-03	5.84E-03	4.19E-04	9.79E-03	1.14E-03	2.47E-09	7.79E-05	1.14E-05	1.22E-03	1.44E-03	2.28E-03	5.84E-03	4.19E-04	9.99E-03
3929	493363.09	3853377.25	0.30204	0.07651	0.841	0.1334	1.22E-03	2.28E-03	5.36E-03	4.21E-04	9.29E-03	1.11E-03	2.47E-09	7.15E-05	1.15E-05	1.19E-03	1.41E-03	2.28E-03	5.36E-03	4.21E-04	9.48E-03
3930	493863.09	3853377.25	0.30639	0.07777	0.4515	0.13208	1.24E-03	2.32E-03	2.88E-03	4.17E-04	6.86E-03	1.13E-03	2.51E-09	3.84E-05	1.14E-05	1.18E-03	1.43E-03	2.32E-03	2.88E-03	4.17E-04	7.05E-03
3931	494363.09	3853377.25	0.28745	0.07426	0.431	0.13137	1.16E-03	2.22E-03	2.75E-03	4.15E-04	6.54E-03	1.06E-03	2.39E-09	3.67E-05	1.13E-05	1.10E-03	1.34E-03	2.22E-03	2.75E-03	4.15E-04	6.72E-03
3932	494863.09	3853377.25	0.27201	0.07218	0.4344	0.13532	1.10E-03	2.15E-03	2.77E-03	4.27E-04	6.45E-03	1.00E-03	2.33E-09	3.69E-05	1.17E-05	1.05E-03	1.27E-03	2.15E-03	2.77E-03	4.27E-04	6.62E-03
3933	495363.09	3853377.25	0.27461	0.07637	0.4808	0.13425	1.11E-03	2.28E-03	3.07E-03	4.24E-04	6.88E-03	1.01E-03	2.46E-09	4.09E-05	1.16E-05	1.06E-03	1.28E-03	2.28E-03	3.07E-03	4.24E-04	7.05E-03
3934	495863.09	3853377.25	0.25314	0.07489	0.5174	0.12786	1.02E-03	2.23E-03	3.30E-03	4.04E-04	6.96E-03	9.31E-04	2.41E-09	4.40E-05	1.10E-05	9.86E-04	1.18E-03	2.23E-03	3.30E-03	4.04E-04	7.12E-03
3935	496363.09	3853377.25	0.2173	0.06536	0.3746	0.11506	8.78E-04	1.95E-03	2.39E-03	3.63E-04	5.58E-03	7.99E-04	2.11E-09	3.19E-05	9.91E-06	8.41E-04	1.02E-03	1.95E-03	2.39E-03	3.63E-04	5.72E-03
3936	496863.09	3853377.25	0.18607	0.05977	0.3714	0.11378	7.52E-04	1.78E-03	2.37E-03	3.59E-04	5.26E-03	6.84E-04	1.93E-09	3.16E-05	9.80E-06	7.25E-04	8.70E-04	1.78E-03	2.37E-03	3.59E-04	5.38E-03
3937	497363.09	3853377.25	0.15224	0.0532	0.3506	0.10994	6.15E-04	1.59E-03	2.24E-03	3.47E-04	4.79E-03	5.60E-04	1.71E-09	2.98E-05	9.47E-06	5.99E-04	7.12E-04	1.59E-03	2.24E-03	3.47E-04	4.88E-03
3938	497863.09	3853377.25	0.10316	0.04163	0.2806	0.08391	4.17E-04	1.24E-03	1.79E-03	2.65E-04	3.71E-03	3.79E-04	1.34E-09	2.39E-05	7.23E-06	4.10E-04	4.82E-04	1.24E-03	1.79E-03	2.65E-04	3.78E-03
3939	498363.09	3853377.25	0.08593	0.03685	0.2685	0.0753	3.47E-04	1.10E-03	1.71E-03	2.38E-04	3.40E-03	3.16E-04	1.19E-09	2.28E-05	6.48E-06	3.45E-04	4.02E-04	1.10E-03	1.71E-03	2.38E-04	3.45E-03
3940	471363.09	3853877.25	0.19313	0.08794	0.3481	0.11527	7.81E-04	2.62E-03	2.22E-03	3.64E-04	5.99E-03	7.10E-04	2.83E-09	2.96E-05	9.93E-06	7.50E-04	9.03E-04	2.62E-03	2.22E-03	3.64E-04	6.11E-03
3941	471863.09	3853877.25	0.21301	0.09128	0.3276	0.12769	8.61E-04	2.72E-03	2.09E-03	4.03E-04	6.08E-03	7.83E-04	2.94E-09	2.79E-05	1.10E-05	8.22E-04	9.96E-04	2.72E-03	2.09E-03	4.03E-04	6.21E-03
3942	472363.09	3853877.25	0.22722	0.09068	0.3144	0.13096	9.18E-04	2.71E-03	2.01E-03	4.13E-04	6.04E-03	8.35E-04	2.92E-09	2.67E-05	1.13E-05	8.73E-04	1.06E-03	2.71E-03	2.01E-03	4.13E-04	6.19E-03
3943	472863.09	3853877.25	0.24354	0.08943	0.3296	0.13701	9.84E-04	2.67E-03	2.10E-03	4.33E-04	6.19E-03	8.95E-04	2.88E-09	2.80E-05	1.18E-05	9.35E-04	1.14E-03	2.67E-03	2.10E-03	4.33E-04	6.34E-03
3944	473363.09	3853877.25	0.25739	0.09322	0.3421	0.14711	1.04E-03	2.78E-03	2.18E-03	4.64E-04	6.47E-03	9.46E-04	3.00E-09	2.91E-05	1.27E-05	9.88E-04	1.20E-03	2.78E-03	2.18E-03	4.64E-04	6.63E-03
3945	473863.09	3853877.25	0.26917	0.09446	0.3511	0.15878	1.09E-03	2.82E-03	2.24E-03	5.01E-04	6.65E-03	9.90E-04	3.04E-09	2.99E-05	1.37E-05	1.03E-03	1.26E-03	2.82E-03	2.24E-03	5.01E-04	6.82E-03
3946	474363.09	3853877.25	0.30161	0.09654	0.3575	0.16183	1.22E-03	2.88E-03	2.28E-03	5.11E-04	6.89E-03	1.11E-03	3.11E-09	3.04E-05	1.39E-05	1.15E-03	1.41E-03	2.88E-03	2.28E-03	5.11E-04	7.08E-03
3947	474863.09	3853877.25	0.31174	0.10604	0.3161	0.16563	1.26E-03	3.16E-03	2.02E-03	5.23E-04	6.96E-03	1.15E-03	3.42E-09	2.69E-05	1.43E-05	1.19E-03	1.46E-03	3.16E-03	2.02E-03	5.23E-04	7.16E-03
3948	475363.09	3853877.25	0.30055	0.10283	0.3485	0.14756	1.21E-03	3.07E-03	2.22E-03	4.66E-04	6.97E-03	1.10E-03	3.31E-09	2.96E-05	1.27E-05	1.15E-03	1.41E-03	3.07E-03	2.22E-03	4.66E-04	7.16E-03
3949	475863.09	3853877.25	0.23039	0.09518	0.3811	0.14092	9.31E-04	2.84E-03	2.43E-03	4.45E-04	6.65E-03	8.47E-04	3.07E-09	3.24E-05	1.21E-05	8.92E-04	1.08E-03	2.84E-03	2.43E-03	4.45E-04	6.79E-03
3950	476363.09	3853877.25	0.17764	0.08655	0.3795	0.11875	7.18E-04	2.58E-03	2.42E-03	3.75E-04	6.10E-03	6.53E-04	2.79E-09	3.23E-05	1.02E-05	6.96E-04	8.31E-04	2.58E-03	2.42E-03	3.75E-04	6.21E-03
3951	476863.09	3853877.25	0.13451	0.08125	0.3179	0.11007	5.44E-04	2.42E-03	2.03E-03	3.48E-04	5.34E-03	4.95E-04	2.62E-09	2.70E-05	9.48E-06	5.31E-04	6.29E-04	2.42E-03	2.03E-03	3.48E-04	5.43E-03
3952	477363.09	3853877.25	0.15663	0.09758	0.3072	0.11889	6.33E-04	2.91E-03	1.96E-03	3.75E-04	5.88E-03	5.76E-04	3.15E-09	2.61E-05	1.02E-05	6.12E-04	7.32E-04	2.91E-03	1.96E-03	3.75E-04	5.98E-03
3953	477863.09	3853877.25	0.1692	0.11017	0.289	0.11976	6.84E-04	3.29E-03	1.84E-03	3.78E-04	6.19E-03	6.22E-04	3.55E-09	2.46E-05	1.03E-05	6.57E-04	7.91E-04	3.29E-03	1.84E-03	3.78E-04	6.30E-03
3954	478363.09	3853877.25	0.18734	0.12383	0.2573	0.10663	7.57E-04	3.69E-03	1.64E-03	3.37E-04	6.43E-03	6.89E-04	3.99E-09	2.19E-05	9.18E-06	7.20E-04	8.76E-04	3.69E-03	1.64E-03	3.37E-04	6.55E-03
3955	478863.09	3853877.25	0.14021	0.10124	0.2333	0.09904	5.67E-04	3.02E-03	1.49E-03	3.13E-04	5.39E-03	5.15E-04	3.26E-09	1.98E-05	8.53E-06	5.44E-04	6.56E-04	3.02E-03	1.49E-03	3.13E-04	5.48E-03
3956	479363.09	3853877.25	0.20058	0.10715	0.1711	0.11432	8.11E-04	3.20E-03	1.09E-03	3.61E-04	5.46E-03	7.37E-04	3.45E-09	1.46E-05	9.84E-06	7.62E-04	9.38E-04	3.20E-03	1.09E-03	3.61E-04	5.59E-03
3957	479863.09	3853877.25	0.34573	0.13986	0.1346	0.13582	1.40E-03	4.17E-03	8.58E-04	4.29E-04	6.86E-03	1.27E-03	4.51E-09	1.14E-05	1.17E-05	1.29E-03	1.62E-03	4.17E-03	8.58E-04	4.29E-04	7.08E-03
3958	480363.09	3853877.25	0.56925	0.17861	0.1636	0.13509	2.30E-03	5.33E-03	1.04E-03	4.27E-04	9.10E-03	2.09E-03	5.76E-09	1.39E-05	1.16E-05	2.12E-03	2.66E-03	5.33E-03	1.04E-03	4.27E-04	9.46E-03
3959	480863.09	3853877.25	0.91498	0.2924	0.2414	0.14452	3.70E-03	8.72E-03	1.54E-03	4.56E-04	1.44E-02	3.36E-03	9.42E-09	2.05E-05	1.24E-05	3.40E-03	4.28E-03	8.72E-03	1.54E-03	4.56E-04	1.50E-02
3960	481363.09	3853877.25	1.18564	0.44181	0.2635	0.15081	4.79E-03	1.32E-02	1.68E-03	4.76E-04	2.01E-02	4.36E-03	1.42E-08	2.24E-05	1.30E-05	4.39E-03	5.54E-03	1.32E-02	1.68E-03	4.76E-04	2.09E-02
3961	481863.09	3853877.25	1.26391	0.81987	0.2203	0.15726	5.11E-03	2.45E-02	1.41E-03	4.97E-04	3.15E-02	4.65E-03	2.64E-08	1.87E-05	1.35E-05	4.68E-03	5.91E-03	2.45E-02	1.41E-03	4.97E-04	3.23E-02

3962	482363.09	3853877.25	1.66022	0.89395	0.1828	0.19535	6.71E-03	2.67E-02	1.17E-03	6.17E-04	3.52E-02	6.10E-03	2.88E-08	1.55E-05	1.68E-05	6.14E-03	7.76E-03	2.67E-02	1.17E-03	6.17E-04	3.62E-02
3963	482863.09	3853877.25	1.71997	0.4954	0.2338	0.2271	6.95E-03	1.48E-02	1.49E-03	7.17E-04	2.39E-02	6.32E-03	1.60E-08	1.99E-05	1.96E-05	6.36E-03	8.04E-03	1.48E-02	1.49E-03	7.17E-04	2.50E-02
3964	483363.09	3853877.25	2.36323	0.36954	0.2263	0.1706	9.55E-03	1.10E-02	1.44E-03	5.39E-04	2.26E-02	8.69E-03	1.19E-08	1.92E-05	1.47E-05	8.72E-03	1.11E-02	1.10E-02	1.44E-03	5.39E-04	2.41E-02
3965	483863.09	3853877.25	2.28216	0.29379	0.2721	0.18997	9.22E-03	8.76E-03	1.74E-03	6.00E-04	2.03E-02	8.39E-03	9.47E-09	2.31E-05	1.64E-05	8.43E-03	1.07E-02	8.76E-03	1.74E-03	6.00E-04	2.18E-02
3966	484363.09	3853877.25	1.67725	0.2154	0.3487	0.14294	6.78E-03	6.43E-03	2.22E-03	4.51E-04	1.59E-02	6.17E-03	6.94E-09	2.97E-05	1.23E-05	6.21E-03	7.84E-03	6.43E-03	2.22E-03	4.51E-04	1.69E-02
3967	484863.09	3853877.25	0.71329	0.13093	0.372	0.23222	2.88E-03	3.91E-03	2.37E-03	7.33E-04	9.90E-03	2.62E-03	4.22E-09	3.16E-05	2.00E-05	2.67E-03	3.34E-03	3.91E-03	2.37E-03	7.33E-04	1.03E-02
3968	485363.09	3853877.25	0.3328	0.08189	0.375	0.20958	1.35E-03	2.44E-03	2.39E-03	6.62E-04	6.84E-03	1.22E-03	2.64E-09	3.19E-05	1.80E-05	1.27E-03	1.56E-03	2.44E-03	2.39E-03	6.62E-04	7.05E-03
3969	485863.09	3853877.25	0.32418	0.08444	0.4025	0.20813	1.31E-03	2.52E-03	2.57E-03	6.57E-04	7.05E-03	1.19E-03	2.72E-09	3.42E-05	1.79E-05	1.24E-03	1.52E-03	2.52E-03	2.57E-03	6.57E-04	7.26E-03
3970	486363.09	3853877.25	0.28214	0.08402	0.5322	0.18203	1.14E-03	2.51E-03	3.39E-03	5.75E-04	7.62E-03	1.04E-03	2.71E-09	4.53E-05	1.57E-05	1.10E-03	1.32E-03	2.51E-03	3.39E-03	5.75E-04	7.80E-03
3971	486863.09	3853877.25	0.23967	0.08259	0.6781	0.14677	9.69E-04	2.46E-03	4.33E-03	4.63E-04	8.22E-03	8.81E-04	2.66E-09	5.77E-05	1.26E-05	9.51E-04	1.12E-03	2.46E-03	4.33E-03	4.63E-04	8.37E-03
3972	487363.09	3853877.25	0.23918	0.08006	0.6445	0.1685	9.67E-04	2.39E-03	4.11E-03	5.32E-04	8.00E-03	8.79E-04	2.58E-09	5.48E-05	1.45E-05	9.49E-04	1.12E-03	2.39E-03	4.11E-03	5.32E-04	8.15E-03
3973	487863.09	3853877.25	0.32016	0.09003	0.4416	0.20497	1.29E-03	2.69E-03	2.82E-03	6.47E-04	7.44E-03	1.18E-03	2.90E-09	3.76E-05	1.76E-05	1.23E-03	1.50E-03	2.69E-03	2.82E-03	6.47E-04	7.65E-03
3974	488363.09	3853877.25	0.32249	0.09536	0.2743	0.19189	1.30E-03	2.84E-03	1.75E-03	6.06E-04	6.50E-03	1.19E-03	3.07E-09	2.33E-05	1.65E-05	1.23E-03	1.51E-03	2.84E-03	1.75E-03	6.06E-04	6.71E-03
3975	488863.09	3853877.25	0.37577	0.09533	0.5414	0.22489	1.52E-03	2.84E-03	3.45E-03	7.10E-04	8.53E-03	1.38E-03	3.07E-09	4.60E-05	1.94E-05	1.45E-03	1.76E-03	2.84E-03	3.45E-03	7.10E-04	8.76E-03
3976	489363.09	3853877.25	0.38548	0.08574	0.579	0.19293	1.56E-03	2.56E-03	3.69E-03	6.09E-04	8.42E-03	1.42E-03	2.76E-09	4.92E-05	1.66E-05	1.48E-03	1.80E-03	2.56E-03	3.69E-03	6.09E-04	8.66E-03
3977	489863.09	3853877.25	0.39855	0.09255	0.6268	0.18936	1.61E-03	2.76E-03	4.00E-03	5.98E-04	8.97E-03	1.47E-03	2.98E-09	5.33E-05	1.63E-05	1.53E-03	1.86E-03	2.76E-03	4.00E-03	5.98E-04	9.22E-03
3978	490363.09	3853877.25	0.40312	0.09215	0.5442	0.16575	1.63E-03	2.75E-03	3.47E-03	5.23E-04	8.37E-03	1.48E-03	2.97E-09	4.63E-05	1.43E-05	1.54E-03	1.89E-03	2.75E-03	3.47E-03	5.23E-04	8.63E-03
3979	490863.09	3853877.25	0.39567	0.08936	0.4769	0.15256	1.60E-03	2.67E-03	3.04E-03	4.82E-04	7.79E-03	1.45E-03	2.88E-09	4.06E-05	1.31E-05	1.51E-03	1.85E-03	2.67E-03	3.04E-03	4.82E-04	8.04E-03
3980	491363.09	3853877.25	0.39885	0.08609	0.6163	0.14965	1.61E-03	2.57E-03	3.93E-03	4.73E-04	8.58E-03	1.47E-03	2.77E-09	5.24E-05	1.29E-05	1.53E-03	1.87E-03	2.57E-03	3.93E-03	4.73E-04	8.84E-03
3981	491863.09	3853877.25	0.395	0.09169	0.8451	0.15583	1.60E-03	2.74E-03	5.39E-03	4.92E-04	1.02E-02	1.45E-03	2.96E-09	7.19E-05	1.34E-05	1.54E-03	1.85E-03	2.74E-03	5.39E-03	4.92E-04	1.05E-02
3982	492363.09	3853877.25	0.41296	0.09648	0.9893	0.14956	1.67E-03	2.88E-03	6.31E-03	4.72E-04	1.13E-02	1.52E-03	3.11E-09	8.41E-05	1.29E-05	1.62E-03	1.93E-03	2.88E-03	6.31E-03	4.72E-04	1.16E-02
3983	492863.09	3853877.25	0.42337	0.10154	0.8867	0.15843	1.71E-03	3.03E-03	5.66E-03	5.00E-04	1.09E-02	1.56E-03	3.27E-09	7.54E-05	1.36E-05	1.65E-03	1.98E-03	3.03E-03	5.66E-03	5.00E-04	1.12E-02
3984	493363.09	3853877.25	0.41065	0.10204	0.5515	0.15229	1.66E-03	3.04E-03	3.52E-03	4.81E-04	8.70E-03	1.51E-03	3.29E-09	4.69E-05	1.31E-05	1.57E-03	1.92E-03	3.04E-03	3.52E-03	4.81E-04	8.96E-03
3985	493863.09	3853877.25	0.39081	0.09784	0.5012	0.15406	1.58E-03	2.92E-03	3.20E-03	4.86E-04	8.18E-03	1.44E-03	3.15E-09	4.26E-05	1.33E-05	1.49E-03	1.83E-03	2.92E-03	3.20E-03	4.86E-04	8.43E-03
3986	494363.09	3853877.25	0.37857	0.09618	0.5541	0.15516	1.53E-03	2.87E-03	3.53E-03	4.90E-04	8.42E-03	1.39E-03	3.10E-09	4.71E-05	1.34E-05	1.45E-03	1.77E-03	2.87E-03	3.53E-03	4.90E-04	8.66E-03
3987	494863.09	3853877.25	0.35523	0.08987	0.9333	0.14997	1.44E-03	2.68E-03	5.95E-03	4.74E-04	1.05E-02	1.31E-03	2.90E-09	7.94E-05	1.29E-05	1.40E-03	1.66E-03	2.68E-03	5.95E-03	4.74E-04	1.08E-02
3988	495363.09	3853877.25	0.28189	0.07911	0.5423	0.13683	1.14E-03	2.36E-03	3.46E-03	4.32E-04	7.39E-03	1.04E-03	2.55E-09	4.61E-05	1.18E-05	1.09E-03	1.32E-03	2.36E-03	3.46E-03	4.32E-04	7.57E-03
3989	495863.09	3853877.25	0.23546	0.06949	0.4663	0.12467	9.52E-04	2.07E-03	2.97E-03	3.94E-04	6.39E-03	8.66E-04	2.24E-09	3.97E-05	1.07E-05	9.16E-04	1.10E-03	2.07E-03	2.97E-03	3.94E-04	6.54E-03
3990	496363.09	3853877.25	0.21004	0.06698	0.4964	0.12077	8.49E-04	2.00E-03	3.17E-03	3.81E-04	6.40E-03	7.72E-04	2.16E-09	4.22E-05	1.04E-05	8.25E-04	9.82E-04	2.00E-03	3.17E-03	3.81E-04	6.53E-03
3991	496863.09	3853877.25	0.17257	0.06179	0.5021	0.11383	6.98E-04	1.84E-03	3.20E-03	3.59E-04	6.10E-03	6.34E-04	1.99E-09	4.27E-05	9.80E-06	6.87E-04	8.07E-04	1.84E-03	3.20E-03	3.59E-04	6.21E-03
3992	497363.09	3853877.25	0.14666	0.05588	0.3852	0.10683	5.93E-04	1.67E-03	2.46E-03	3.37E-04	5.05E-03	5.39E-04	1.80E-09	3.28E-05	9.20E-06	5.81E-04	6.86E-04	1.67E-03	2.46E-03	3.37E-04	5.15E-03
3993	497863.09	3853877.25	0.11769	0.04566	0.4108	0.09853	4.76E-04	1.36E-03	2.62E-03	3.11E-04	4.77E-03	4.33E-04	1.47E-09	3.49E-05	8.48E-06	4.76E-04	5.50E-04	1.36E-03	2.62E-03	3.11E-04	4.84E-03
3994	498363.09	3853877.25	0.09884	0.0416	0.373	0.08404	4.00E-04	1.24E-03	2.38E-03	2.65E-04	4.29E-03	3.63E-04	1.34E-09	3.17E-05	7.24E-06	4.02E-04	4.62E-04	1.24E-03	2.38E-03	2.65E-04	4.35E-03
3995	471363.09	3854377.25	0.1795	0.08491	0.2934	0.10063	7.26E-04	2.53E-03	1.87E-03	3.18E-04	5.45E-03	6.60E-04	2.74E-09	2.50E-05	8.67E-06	6.94E-04	8.39E-04	2.53E-03	1.87E-03	3.18E-04	5.56E-03
3996	471863.09	3854377.25	0.19406	0.08691	0.334	0.10743	7.84E-04	2.59E-03	2.13E-03	3.39E-04	5.85E-03	7.13E-04	2.80E-09	2.84E-05	9.25E-06	7.51E-04	9.08E-04	2.59E-03	2.13E-03	3.39E-04	5.97E-03
3997	472363.09	3854377.25	0.20053	0.09223	0.3437	0.11532	8.11E-04	2.75E-03	2.19E-03	3.64E-04	6.12E-03	7.37E-04	2.97E-09	2.92E-05	9.93E-06	7.76E-04	9.38E-04	2.75E-03	2.19E-03	3.64E-04	6.25E-03
3998	472863.09	3854377.25	0.22258	0.09306	0.3523	0.12656	9.00E-04	2.78E-03	2.25E-03	4.00E-04	6.32E-03	8.18E-04	3.00E-09	3.00E-05	1.09E-05	8.59E-04	1.04E-03	2.78E-03	2.25E-03	4.00E-04	6.46E-03
3999	473363.09	3854377.25	0.25064	0.10179	0.3934	0.13128	1.01E-03	3.04E-03	2.51E-03	4.14E-04	6.97E-03	9.21E-04	3.28E-09	3.35E-05	1.13E-05	9.66E-04	1.17E-03	3.04E-03	2.51E-03	4.14E-04	7.13E-03
4000	473863.09	3854377.25	0.26332	0.1019	0.3732	0.1363	1.06E-03	3.04E-03	2.38E-03	4.30E-04	6.92E-03	9.68E-04	3.28E-09	3.17E-05	1.17E-05	1.01E-03	1.23E-03	3.04E-03	2.38E-03	4.30E-04	7.08E-03
4001	474363.09	3854377.25	0.29265	0.1018	0.3529	0.14322	1.18E-03	3.04E-03	2.25E-03	4.52E-04	6.92E-03	1.08E-03	3.28E-09	3.00E-05	1.23E-05	1.12E-03	1.37E-03	3.04E-03	2.25E-03	4.52E-04	7.11E-03
4002	474863.09	3854377.25	0.27423	0.09905	0.3703	0.14244	1.11E-03	2.95E-03	2.36E-03	4.50E-04	6.87E-03	1.01E-03	3.19E-09	3.15E-05	1.23E-05	1.05E-03	1.28E-03	2.95E-03	2.36E-03	4.50E-04	7.05E-03
4003	475363.09	3854377.25	0.23231	0.08552	0.3837	0.14685	9.39E-04	2.55E-03	2.45E-03	4.64E-04	6.40E-03	8.54E-04	2.76E-09	3.26E-05	1.26E-05	8.99E-04	1.09E-03	2.55E-03	2.45E-03	4.64E-04	6.55E-03
4004	475863.09	3854377.25	0.13395	0.07713	0.3197	0.1284	5.41E-04	2.30E-03	2.04E-03	4.05E-04	5.29E-03	4.92E-04	2.49E-09	2.72E-05	1.11E-05	5.31E-04	6.26E-04	2.30E-03	2.04E-03	4.05E-04	5.37E-03
4005	476363.09	3854377.25	0.12717	0.07468	0.3532	0.1233	5.14E-04	2.23E-03	2.25E-03	3.89E-04	5.38E-03	4.68E-04	2.41E-09	3.00E-05	1.06E-05	5.08E-04	5.95E-04	2.23E-03	2.25E-03	3.89E-04	5.46E-03
4006	476863.09	3854377.25	0.12828	0.07907	0.3865	0.12592	5.19E-04	2.36E-03	2.47E-03	3.98E-04	5.74E-03	4.72E-04	2.55E-09	3.29E-05	1.08E-05	5.15E-04	6.00E-04	2.36E-03	2.47E-03	3.98E-04	5.82E-03
4007	477363.09	3854377.25	0.13081	0.07952	0.3718	0.12739	5.29E-04	2.37E-03	2.37E-03	4.02E-04	5.67E-03	4.81E-04	2.56E-09	3.16E-05	1.10E-05	5.24E-04	6.12E-04	2.37E-03	2.37E-03	4.02E-04	5.76E-03
4008	477863.09	3854377.25	0.13683	0.08445	0.3481	0.12683	5.53E-04	2.52E-03	2.22E-03	4.00E-04	5.69E-03	5.03E-04	2.72E-09	2.96E-05	1.09E-05	5.44E-04	6.40E-04	2.52E-03	2.22E-03	4.00E-04	5.78E-03
4009	478363.09	3854377.25	0.15303	0.10351	0.3466	0.12641	6.19E-04	3.09E-03	2.21E-03	3.99E-04	6.32E-03	5.63E-04	3.34E-09	2.95E-05	1.09E-05	6.03E-04	7.16E-04	3.09E-03	2.21E-03	3.99E-04	6.41E-03
4010	478863.09	3854377.25	0.16661	0.11516	0.2925	0.13768	6.73E-04	3.44E-03	1.87E-03	4.35E-04	6.41E-03	6.13E-04	3.71E-09	2.49E-05	1.19E-05	6.49E-04	7.79E-04	3.44E-03	1.87E-03	4.35E-04	6.52E-03
4011	479363.09	3854377.25	0.23719	0.15747	0.306	0.12574	9.59E-04	4.70E-03	1.95E-03	3.97E-04	8.01E-03	8.72E-04	5.08E-09	2.60E-05	1.08E-05	9.09E-04	1.11E-03	4.70E-03	1.95E-03	3.97E-04	8.16E-03
4012	479863.09	3854377.25	0.36019	0.19268	0.2938	0.15143	1.46E-03	5.75E-03	1.87E-03	4.78E-04	9.56E-03	1.32E-03	6.21E-09	2.50E-05	1.30E-05	1.36E-03	1.68E-03	5.75E-03	1.87E-03	4.78E-04	9.78E-03
4013	480363.09	3854377.25	0.45887	0.19582	0.2218	0.16509	1.85E-03	5.84E-03	1.41E-03	5.21E-04	9.63E-03	1.69E-03	6.31E-09	1.89E-05	1.42E-05	1.72E-03	2.15E-03	5.84E-03	1.41E-03	5.21E-04	9.92E-03
4014	480863.09	3854377.25	0.7411	0.26057	0.1694	0.16166	3.00E-03	7.77E-03	1.08E-03	5.10E-04	1.24E-02	2.72E-03	8.40E-09	1.44E-05	1.39E-05	2.75E-03	3.47E-03	7.77E-03	1.08E-03	5.10E-04	1.28E-02
4015	481363.09	3854377.25	0.98701	0.38357	0.2092	0.1826	3.99E-03	1.14E-02	1.33E-03	5.77E-04	1.73E-02	3.63E-03	1.24E-08	1.78E-05	1.57E-05	3.66E-03	4.62E-03	1.14E-02	1.33E-03	5.77E-04	1.80E-02
4016	481863.09	3854377.25	1.15767	1.00616	0.2937	0.16953	4.68E-03	3.00E-02	1.87E-03	5.35E-04	3.71E-02	4.26E-03	3.24E-08	2.50E-05	1.46E-05	4.30E-03	5.41E-03	3.00E-02	1.87E-03	5.35E-04	3.78E-02
4017	482363.09	3854377.25	1.58692	1.1656	0.2765	0.1953	6.41E-03	3.48E-02	1.76E-03	6.17E-04	4.36E-02	5.83E-03	3.76E-08	2.35E-05	1.68E-05	5.87E-03	7.42E-03	3.48E-02	1.76E-03	6.17E-04	4.46E-02
4018	482863.09	3854377.25	1.85204	0.6478	0.1909	0.33779	7.49E-03	1.93E-02	1.22E-03	1.07E-03	2.91E-02	6.81E-03	2.09E-08	1.62E-05	2.91E-05	6.85E-03	8.66E-03	1.93E-02	1.22E-03	1.07E-03	3.03E-02
4019	483363.09	3854377.25	2.45463	0.44762	0.2535	0.21787	9.92E-03	1.34E-02	1.62E-03	6.88E-04	2.56E-02	9.02E-03	1.44E-08	2.16E-05	1.88E-05	9.06E-03	1.15E-02	1.34E-02	1.62E-03	6.88E-04	2.71E-02
4020	483863.09	3854377.25	3.40853	0.29071	0.2562	0.22947	1.38E-02	8.67E-03	1.63E-03	7.25E-04	2.48E-02	1.25E-02	9.37E-09	2.18E-05	1.98E-05	1.26E-02	1.59E-02	8.67E-03	1.63E-03	7.25E-04	2.70E-02
4021	484363.09	3854377.25	1.53208	0.19149	0.2957	0.33123	6.19E-03	5.71E-03	1.89E-03	1.05E-03	1.48E-02	5.63E-03	6.17E-09	2.51E-05	2.85E-05	5.69E-03	7.16E-03	5.71E-03	1.89E-03	1.05E-03	1.58E-02
4022	484863.09	3854377.25	0.69928	0.11433	0.3706	0.30232	2.83E-03	3.41E-03	2.36E-03	9.55E-04	9.56E-03	2.57E-03	3.68E-09	3.15E-05	2.60E-05	2.63E-03	3.27E-03	3.41E-03	2.36E-03	9.55E-04	1.00E-02

4023	485363.09	3854377.25	0.69408	0.12404	0.4308	0.29374	2.81E-03	3.70E-03	2.75E-03	9.27E-04	1.02E-02	2.55E-03	4.00E-09	3.66E-05	2.53E-05	2.61E-03	3.25E-03	3.70E-03	2.75E-03	9.27E-04	1.06E-02
4024	485863.09	3854377.25	0.42901	0.10508	0.4158	0.30101	1.73E-03	3.13E-03	2.65E-03	9.50E-04	8.47E-03	1.58E-03	3.39E-09	3.54E-05	2.59E-05	1.64E-03	2.01E-03	3.13E-03	2.65E-03	9.50E-04	8.74E-03
4025	486363.09	3854377.25	0.43683	0.11689	0.438	0.25309	1.77E-03	3.49E-03	2.79E-03	7.99E-04	8.85E-03	1.61E-03	3.77E-09	3.72E-05	2.18E-05	1.67E-03	2.04E-03	3.49E-03	2.79E-03	7.99E-04	9.12E-03
4026	486863.09	3854377.25	0.43233	0.11122	0.9004	0.25442	1.75E-03	3.32E-03	5.74E-03	8.03E-04	1.16E-02	1.59E-03	3.58E-09	7.66E-05	2.19E-05	1.69E-03	2.02E-03	3.32E-03	5.74E-03	8.03E-04	1.19E-02
4027	487363.09	3854377.25	0.48008	0.10783	0.8924	0.31336	1.94E-03	3.22E-03	5.69E-03	9.89E-04	1.18E-02	1.77E-03	3.48E-09	7.59E-05	2.70E-05	1.87E-03	2.25E-03	3.22E-03	5.69E-03	9.89E-04	1.21E-02
4028	487863.09	3854377.25	0.5587	0.11836	0.4912	0.28183	2.26E-03	3.53E-03	3.13E-03	8.90E-04	9.81E-03	2.05E-03	3.81E-09	4.18E-05	2.43E-05	2.12E-03	2.61E-03	3.53E-03	3.13E-03	8.90E-04	1.02E-02
4029	488363.09	3854377.25	0.6395	0.12995	0.3731	0.28117	2.58E-03	3.88E-03	2.38E-03	8.88E-04	9.73E-03	2.35E-03	4.19E-09	3.17E-05	2.42E-05	2.41E-03	2.99E-03	3.88E-03	2.38E-03	8.88E-04	1.01E-02
4030	488863.09	3854377.25	0.67123	0.13009	0.5269	0.32399	2.71E-03	3.88E-03	3.36E-03	1.02E-03	1.10E-02	2.47E-03	4.19E-09	4.48E-05	2.79E-05	2.54E-03	3.14E-03	3.88E-03	3.36E-03	1.02E-03	1.14E-02
4031	489363.09	3854377.25	0.6658	0.12649	0.6813	0.2574	2.69E-03	3.77E-03	4.35E-03	8.13E-04	1.16E-02	2.45E-03	4.08E-09	5.79E-05	2.22E-05	2.53E-03	3.11E-03	3.77E-03	4.35E-03	8.13E-04	1.20E-02
4032	489863.09	3854377.25	0.64526	0.12805	0.6687	0.21052	2.61E-03	3.82E-03	4.27E-03	6.65E-04	1.14E-02	2.37E-03	4.13E-09	5.69E-05	1.81E-05	2.45E-03	3.02E-03	3.82E-03	4.27E-03	6.65E-04	1.18E-02
4033	490363.09	3854377.25	0.59865	0.11908	0.6574	0.18761	2.42E-03	3.55E-03	4.19E-03	5.92E-04	1.08E-02	2.20E-03	3.84E-09	5.59E-05	1.62E-05	2.27E-03	2.80E-03	3.55E-03	4.19E-03	5.92E-04	1.11E-02
4034	490863.09	3854377.25	0.46144	0.09697	0.6971	0.16726	1.87E-03	2.89E-03	4.45E-03	5.28E-04	9.73E-03	1.70E-03	3.13E-09	5.93E-05	1.44E-05	1.77E-03	2.16E-03	2.89E-03	4.45E-03	5.28E-04	1.00E-02
4035	491363.09	3854377.25	0.52341	0.12182	0.9327	0.23291	2.12E-03	3.63E-03	5.95E-03	7.35E-04	1.24E-02	1.92E-03	3.93E-09	7.93E-05	2.01E-05	2.02E-03	2.45E-03	3.63E-03	5.95E-03	7.35E-04	1.28E-02
4036	491863.09	3854377.25	0.58175	0.12658	1.0768	0.19475	2.35E-03	3.78E-03	6.87E-03	6.15E-04	1.36E-02	2.14E-03	4.08E-09	9.16E-05	1.68E-05	2.25E-03	2.72E-03	3.78E-03	6.87E-03	6.15E-04	1.40E-02
4037	492363.09	3854377.25	0.59208	0.13858	0.9361	0.20625	2.39E-03	4.13E-03	5.97E-03	6.51E-04	1.31E-02	2.18E-03	4.47E-09	7.96E-05	1.78E-05	2.27E-03	2.77E-03	4.13E-03	5.97E-03	6.51E-04	1.35E-02
4038	492863.09	3854377.25	0.57497	0.13724	0.5909	0.20481	2.32E-03	4.09E-03	3.77E-03	6.47E-04	1.08E-02	2.11E-03	4.42E-09	5.03E-05	1.76E-05	2.18E-03	2.69E-03	4.09E-03	3.77E-03	6.47E-04	1.12E-02
4039	493363.09	3854377.25	0.53026	0.12763	0.581	0.2057	2.14E-03	3.81E-03	3.71E-03	6.49E-04	1.03E-02	1.95E-03	4.11E-09	4.94E-05	1.77E-05	2.02E-03	2.48E-03	3.81E-03	3.71E-03	6.49E-04	1.06E-02
4040	493863.09	3854377.25	0.49654	0.11565	1.024	0.2091	2.01E-03	3.45E-03	6.53E-03	6.60E-04	1.26E-02	1.83E-03	3.73E-09	8.71E-05	1.80E-05	1.93E-03	2.32E-03	3.45E-03	6.53E-03	6.60E-04	1.30E-02
4041	494363.09	3854377.25	0.4559	0.10998	1.404	0.17409	1.84E-03	3.28E-03	8.96E-03	5.50E-04	1.46E-02	1.68E-03	3.54E-09	1.19E-04	1.50E-05	1.81E-03	2.13E-03	3.28E-03	8.96E-03	5.50E-04	1.49E-02
4042	494863.09	3854377.25	0.33203	0.08953	0.747	0.14411	1.34E-03	2.67E-03	4.76E-03	4.55E-04	9.23E-03	1.22E-03	2.89E-09	6.35E-05	1.24E-05	1.30E-03	1.55E-03	2.67E-03	4.76E-03	4.55E-04	9.44E-03
4043	495363.09	3854377.25	0.23928	0.07265	0.5432	0.13128	9.67E-04	2.17E-03	3.46E-03	4.14E-04	7.01E-03	8.80E-04	2.34E-09	4.62E-05	1.13E-05	9.37E-04	1.12E-03	2.17E-03	3.46E-03	4.14E-04	7.17E-03
4044	495863.09	3854377.25	0.19257	0.06664	0.5718	0.12391	7.78E-04	1.99E-03	3.65E-03	3.91E-04	6.81E-03	7.08E-04	2.15E-09	4.86E-05	1.07E-05	7.67E-04	9.01E-04	1.99E-03	3.65E-03	3.91E-04	6.93E-03
4045	496363.09	3854377.25	0.17322	0.0631	0.4964	0.11254	7.00E-04	1.88E-03	3.17E-03	3.55E-04	6.10E-03	6.37E-04	2.03E-09	4.22E-05	9.69E-06	6.89E-04	8.10E-04	1.88E-03	3.17E-03	3.55E-04	6.21E-03
4046	496863.09	3854377.25	0.15198	0.05776	0.4872	0.11511	6.14E-04	1.72E-03	3.11E-03	3.63E-04	5.81E-03	5.59E-04	1.86E-09	4.14E-05	9.91E-06	6.10E-04	7.11E-04	1.72E-03	3.11E-03	3.63E-04	5.90E-03
4047	497363.09	3854377.25	0.12106	0.04886	0.4318	0.09425	4.89E-04	1.46E-03	2.75E-03	2.98E-04	5.00E-03	4.45E-04	1.57E-09	3.67E-05	8.12E-06	4.90E-04	5.66E-04	1.46E-03	2.75E-03	2.98E-04	5.08E-03
4048	497863.09	3854377.25	0.12107	0.05058	0.4396	0.0939	4.89E-04	1.51E-03	2.80E-03	2.96E-04	5.10E-03	4.45E-04	1.63E-09	3.74E-05	8.09E-06	4.91E-04	5.66E-04	1.51E-03	2.80E-03	2.96E-04	5.18E-03
4049	498363.09	3854377.25	0.10504	0.04587	0.4243	0.09047	4.25E-04	1.37E-03	2.71E-03	2.86E-04	4.79E-03	3.86E-04	1.48E-09	3.61E-05	7.79E-06	4.30E-04	4.91E-04	1.37E-03	2.71E-03	2.86E-04	4.85E-03
4050	471363.09	3854877.25	0.21607	0.08438	0.2052	0.10237	8.73E-04	2.52E-03	1.31E-03	3.23E-04	5.02E-03	7.94E-04	2.72E-09	1.75E-05	8.82E-06	8.21E-04	1.01E-03	2.52E-03	1.31E-03	3.23E-04	5.16E-03
4051	471863.09	3854877.25	0.22668	0.08838	0.2526	0.10748	9.16E-04	2.64E-03	1.61E-03	3.39E-04	5.50E-03	8.33E-04	2.85E-09	2.15E-05	9.26E-06	8.64E-04	1.06E-03	2.64E-03	1.61E-03	3.39E-04	5.65E-03
4052	472363.09	3854877.25	0.23618	0.09307	0.3143	0.11219	9.55E-04	2.78E-03	2.00E-03	3.54E-04	6.09E-03	8.68E-04	3.00E-09	2.67E-05	9.66E-06	9.05E-04	1.10E-03	2.78E-03	2.00E-03	3.54E-04	6.24E-03
4053	472863.09	3854877.25	0.23357	0.09396	0.3122	0.11612	9.44E-04	2.80E-03	1.99E-03	3.67E-04	6.11E-03	8.59E-04	3.03E-09	2.66E-05	1.00E-05	8.95E-04	1.09E-03	2.80E-03	1.99E-03	3.67E-04	6.25E-03
4054	473363.09	3854877.25	0.24906	0.09976	0.3261	0.12037	1.01E-03	2.98E-03	2.08E-03	3.80E-04	6.44E-03	9.16E-04	3.22E-09	2.77E-05	1.04E-05	9.54E-04	1.16E-03	2.98E-03	2.08E-03	3.80E-04	6.60E-03
4055	473863.09	3854877.25	0.2635	0.10449	0.3688	0.12594	1.07E-03	3.12E-03	2.35E-03	3.98E-04	6.93E-03	9.69E-04	3.37E-09	3.14E-05	1.08E-05	1.01E-03	1.23E-03	3.12E-03	2.35E-03	3.98E-04	7.10E-03
4056	474363.09	3854877.25	0.2884	0.11643	0.3867	0.13256	1.17E-03	3.47E-03	2.47E-03	4.19E-04	7.52E-03	1.06E-03	3.75E-09	3.29E-05	1.14E-05	1.10E-03	1.35E-03	3.47E-03	2.47E-03	4.19E-04	7.71E-03
4057	474863.09	3854877.25	0.24081	0.09806	0.3845	0.13543	9.73E-04	2.93E-03	2.45E-03	4.28E-04	6.78E-03	8.85E-04	3.16E-09	3.27E-05	1.17E-05	9.30E-04	1.13E-03	2.93E-03	2.45E-03	4.28E-04	6.93E-03
4058	475363.09	3854877.25	0.14339	0.08773	0.4321	0.13054	5.80E-04	2.62E-03	2.76E-03	4.12E-04	6.37E-03	5.27E-04	2.83E-09	3.67E-05	1.12E-05	5.75E-04	6.71E-04	2.62E-03	2.76E-03	4.12E-04	6.46E-03
4059	475863.09	3854877.25	0.10705	0.07462	0.3772	0.12538	4.33E-04	2.23E-03	2.41E-03	3.96E-04	5.46E-03	3.94E-04	2.41E-09	3.21E-05	1.08E-05	4.36E-04	5.01E-04	2.23E-03	2.41E-03	3.96E-04	5.53E-03
4060	476363.09	3854877.25	0.09111	0.06232	0.3208	0.12463	3.68E-04	1.86E-03	2.05E-03	3.94E-04	4.67E-03	3.35E-04	2.01E-09	2.73E-05	1.07E-05	3.73E-04	4.26E-04	1.86E-03	2.05E-03	3.94E-04	4.73E-03
4061	476863.09	3854877.25	0.09417	0.06772	0.2884	0.12855	3.81E-04	2.02E-03	1.84E-03	4.06E-04	4.65E-03	3.46E-04	2.18E-09	2.45E-05	1.11E-05	3.82E-04	4.40E-04	2.02E-03	1.84E-03	4.06E-04	4.71E-03
4062	477363.09	3854877.25	0.09872	0.06943	0.3413	0.12909	3.99E-04	2.07E-03	2.18E-03	4.08E-04	5.05E-03	3.63E-04	2.24E-09	2.90E-05	1.11E-05	4.03E-04	4.62E-04	2.07E-03	2.18E-03	4.08E-04	5.12E-03
4063	477863.09	3854877.25	0.11192	0.08113	0.4082	0.1303	4.52E-04	2.42E-03	2.60E-03	4.11E-04	5.89E-03	4.11E-04	2.61E-09	3.47E-05	1.12E-05	4.57E-04	5.23E-04	2.42E-03	2.60E-03	4.11E-04	5.96E-03
4064	478363.09	3854877.25	0.13938	0.10171	0.4319	0.13906	5.63E-04	3.03E-03	2.76E-03	4.39E-04	6.79E-03	5.12E-04	3.28E-09	3.67E-05	1.20E-05	5.61E-04	6.52E-04	3.03E-03	2.76E-03	4.39E-04	6.88E-03
4065	478863.09	3854877.25	0.20837	0.1224	0.4211	0.14472	8.42E-04	3.65E-03	2.69E-03	4.57E-04	7.64E-03	7.66E-04	3.95E-09	3.58E-05	1.25E-05	8.14E-04	9.74E-04	3.65E-03	2.69E-03	4.57E-04	7.77E-03
4066	479363.09	3854877.25	0.32492	0.15744	0.476	0.147	1.31E-03	4.70E-03	3.04E-03	4.64E-04	9.51E-03	1.19E-03	5.07E-09	4.05E-05	1.27E-05	1.25E-03	1.52E-03	4.70E-03	3.04E-03	4.64E-04	9.72E-03
4067	479863.09	3854877.25	0.5262	0.20773	0.4541	0.1863	2.13E-03	6.20E-03	2.90E-03	5.88E-04	1.18E-02	1.93E-03	6.70E-09	3.86E-05	1.60E-05	1.99E-03	2.46E-03	6.20E-03	2.90E-03	5.88E-04	1.21E-02
4068	480363.09	3854877.25	0.69167	0.26961	0.4248	0.25391	2.80E-03	8.04E-03	2.71E-03	8.02E-04	1.44E-02	2.54E-03	8.69E-09	3.61E-05	2.19E-05	2.60E-03	3.23E-03	8.04E-03	2.71E-03	8.02E-04	1.48E-02
4069	480863.09	3854877.25	0.9378	0.37086	0.3691	0.20487	3.79E-03	1.11E-02	2.35E-03	6.47E-04	1.79E-02	3.45E-03	1.20E-08	3.14E-05	1.76E-05	3.50E-03	4.39E-03	1.11E-02	2.35E-03	6.47E-04	1.85E-02
4070	481363.09	3854877.25	1.07794	0.456	0.3021	0.1867	4.36E-03	1.36E-02	1.93E-03	5.89E-04	2.05E-02	3.96E-03	1.47E-08	2.57E-05	1.61E-05	4.00E-03	5.04E-03	1.36E-02	1.93E-03	5.89E-04	2.12E-02
4071	481863.09	3854877.25	1.06022	0.38718	0.1888	0.2078	4.29E-03	1.16E-02	1.20E-03	6.56E-04	1.77E-02	3.90E-03	1.25E-08	1.61E-05	1.79E-05	3.93E-03	4.96E-03	1.16E-02	1.20E-03	6.56E-04	1.84E-02
4072	482363.09	3854877.25	1.30244	1.38666	0.2911	0.25839	5.26E-03	4.14E-02	1.86E-03	8.16E-04	4.93E-02	4.79E-03	4.47E-08	2.48E-05	2.22E-05	4.84E-03	6.09E-03	4.14E-02	1.86E-03	8.16E-04	5.01E-02
4073	482863.09	3854877.25	1.72659	1.506	0.2917	0.50692	6.98E-03	4.49E-02	1.86E-03	1.60E-03	5.54E-02	6.35E-03	4.85E-08	2.48E-05	4.37E-05	6.42E-03	8.07E-03	4.49E-02	1.86E-03	1.60E-03	5.65E-02
4074	483363.09	3854877.25	2.51451	0.80663	0.2296	0.6383	1.02E-02	2.41E-02	1.46E-03	2.02E-03	3.77E-02	9.24E-03	2.60E-08	1.95E-05	5.50E-05	9.32E-03	1.18E-02	2.41E-02	1.46E-03	2.02E-03	3.93E-02
4075	483863.09	3854877.25	4.20377	0.47682	0.2523	0.47259	1.70E-02	1.42E-02	1.61E-03	1.49E-03	3.43E-02	1.55E-02	1.54E-08	2.15E-05	4.07E-05	1.55E-02	1.97E-02	1.42E-02	1.61E-03	1.49E-03	3.70E-02
4076	484363.09	3854877.25	4.65355	0.29333	0.2902	0.36528	1.88E-02	8.75E-03	1.85E-03	1.15E-03	3.06E-02	1.71E-02	9.45E-09	2.47E-05	3.15E-05	1.72E-02	2.18E-02	8.75E-03	1.85E-03	1.15E-03	3.35E-02
4077	484863.09	3854877.25	2.49209	0.23748	0.3265	0.32993	1.01E-02	7.08E-03	2.08E-03	1.04E-03	2.03E-02	9.16E-03	7.65E-09	2.78E-05	2.84E-05	9.22E-03	1.17E-02	7.08E-03	2.08E-03	1.04E-03	2.19E-02
4078	485363.09	3854877.25	1.51439	0.20101	0.3956	0.38737	6.12E-03	6.00E-03	2.52E-03	1.22E-03	1.59E-02	5.57E-03	6.48E-09	3.36E-05	3.34E-05	5.63E-03	7.08E-03	6.00E-03	2.52E-03	1.22E-03	1.68E-02
4079	485863.09	3854877.25	1.17477	0.16683	0.5189	0.41457	4.75E-03	4.98E-03	3.31E-03	1.31E-03	1.43E-02	4.32E-03	5.38E-09	4.41E-05	3.57E-05	4.40E-03	5.49E-03	4.98E-03	3.31E-03	1.31E-03	1.51E-02
4080	486363.09	3854877.25	0.93852	0.16319	0.4642	0.42049	3.79E-03	4.87E-03	2.96E-03	1.33E-03	1.30E-02	3.45E-03	5.26E-09	3.95E-05	3.62E-05	3.53E-03	4.39E-03	4.87E-03	2.96E-03	1.33E-03	1.35E-02
4081	486863.09	3854877.25	0.86564	0.16304	0.7415	0.38933	3.50E-03	4.86E-03	4.73E-03	1.23E-03	1.43E-02	3.18E-03	5.25E-09	6.31E-05	3.35E-05	3.28E-03	4.05E-03	4.86E-03	4.73E-03	1.23E-03	1.49E-02
4082	487363.09	3854877.25	0.94688	0.15872	1.1564	0.48031	3.83E-03	4.74E-03	7.38E-03	1.52E-03	1.75E-02	3.48E-03	5.12E-09	9.83E-05	4.14E-05	3.62E-03	4.43E-03	4.74E-03	7.38E-03	1.52E-03	1.81E-02
4083	487863.09	3854877.25	1.04253	0.16316	0.6254	0.37068	4.21E-03	4.87E-03	3.99E-03	1.17E-03	1.42E-02	3.83E-03	5.26E-09	5.32E-05	3.19E-05	3.92E-03	4.88E-03	4.87E-03	3.99E-03	1.17E-03	1.49E-02

4084	488363.09	3854877.25	1.10417	0.16726	0.528	0.32762	4.46E-03	4.99E-03	3.37E-03	1.03E-03	1.39E-02	4.06E-03	5.39E-09	4.49E-05	2.82E-05	4.13E-03	5.16E-03	4.99E-03	3.37E-03	1.03E-03	1.46E-02
4085	488863.09	3854877.25	1.14965	0.17743	0.6385	0.32641	4.65E-03	5.29E-03	4.07E-03	1.03E-03	1.50E-02	4.23E-03	5.72E-09	5.43E-05	2.81E-05	4.31E-03	5.38E-03	5.29E-03	4.07E-03	1.03E-03	1.58E-02
4086	489363.09	3854877.25	1.12594	0.17976	1.0216	0.32467	4.55E-03	5.36E-03	6.52E-03	1.03E-03	1.75E-02	4.14E-03	5.79E-09	8.69E-05	2.80E-05	4.25E-03	5.27E-03	5.36E-03	6.52E-03	1.03E-03	1.82E-02
4087	489863.09	3854877.25	0.98552	0.1721	0.6413	0.27978	3.98E-03	5.13E-03	4.09E-03	8.83E-04	1.41E-02	3.62E-03	5.55E-09	5.45E-05	2.41E-05	3.70E-03	4.61E-03	5.13E-03	4.09E-03	8.83E-04	1.47E-02
4088	490363.09	3854877.25	0.59882	0.12345	0.7054	0.2189	2.42E-03	3.68E-03	4.50E-03	6.91E-04	1.13E-02	2.20E-03	3.98E-09	6.00E-05	1.88E-05	2.28E-03	2.80E-03	3.68E-03	4.50E-03	6.91E-04	1.17E-02
4089	490863.09	3854877.25	0.38082	0.1019	0.9223	0.16154	1.54E-03	3.04E-03	5.88E-03	5.10E-04	1.10E-02	1.40E-03	3.28E-09	7.84E-05	1.39E-05	1.49E-03	1.78E-03	3.04E-03	5.88E-03	5.10E-04	1.12E-02
4090	491363.09	3854877.25	0.43026	0.10741	1.1748	0.17734	1.74E-03	3.20E-03	7.49E-03	5.60E-04	1.30E-02	1.58E-03	3.46E-09	9.99E-05	1.53E-05	1.70E-03	2.01E-03	3.20E-03	7.49E-03	5.60E-04	1.33E-02
4091	491863.09	3854877.25	0.77657	0.16693	0.9811	0.25652	3.14E-03	4.98E-03	6.26E-03	8.10E-04	1.52E-02	2.86E-03	5.38E-09	8.34E-05	2.21E-05	2.96E-03	3.63E-03	4.98E-03	6.26E-03	8.10E-04	1.57E-02
4092	492363.09	3854877.25	0.76108	0.17501	0.7632	0.2425	3.08E-03	5.22E-03	4.87E-03	7.66E-04	1.39E-02	2.80E-03	5.64E-09	6.49E-05	2.09E-05	2.88E-03	3.56E-03	5.22E-03	4.87E-03	7.66E-04	1.44E-02
4093	492863.09	3854877.25	0.70686	0.16448	0.8427	0.25208	2.86E-03	4.91E-03	5.37E-03	7.96E-04	1.39E-02	2.60E-03	5.30E-09	7.17E-05	2.17E-05	2.69E-03	3.31E-03	4.91E-03	5.37E-03	7.96E-04	1.44E-02
4094	493363.09	3854877.25	0.63071	0.15052	1.9201	0.22687	2.55E-03	4.49E-03	1.22E-02	7.16E-04	2.00E-02	2.32E-03	4.85E-09	1.63E-04	1.95E-05	2.50E-03	2.95E-03	4.49E-03	1.22E-02	7.16E-04	2.04E-02
4095	493863.09	3854877.25	0.58004	0.13939	1.5229	0.22092	2.34E-03	4.16E-03	9.71E-03	6.98E-04	1.69E-02	2.13E-03	4.49E-09	1.30E-04	1.90E-05	2.28E-03	2.71E-03	4.16E-03	9.71E-03	6.98E-04	1.73E-02
4096	494363.09	3854877.25	0.38996	0.10047	1.0933	0.16742	1.58E-03	3.00E-03	6.97E-03	5.29E-04	1.21E-02	1.43E-03	3.24E-09	9.30E-05	1.44E-05	1.54E-03	1.82E-03	3.00E-03	6.97E-03	5.29E-04	1.23E-02
4097	494863.09	3854877.25	0.25819	0.07795	0.6149	0.13341	1.04E-03	2.33E-03	3.92E-03	4.21E-04	7.71E-03	9.49E-04	2.51E-09	5.23E-05	1.15E-05	1.01E-03	1.21E-03	2.33E-03	3.92E-03	4.21E-04	7.88E-03
4098	495363.09	3854877.25	0.19991	0.06755	0.5377	0.12258	8.08E-04	2.02E-03	3.43E-03	3.87E-04	6.64E-03	7.35E-04	2.18E-09	4.57E-05	1.06E-05	7.91E-04	9.35E-04	2.02E-03	3.43E-03	3.87E-04	6.77E-03
4099	495863.09	3854877.25	0.16503	0.06031	0.5043	0.1139	6.67E-04	1.80E-03	3.22E-03	3.60E-04	6.04E-03	6.07E-04	1.94E-09	4.29E-05	9.81E-06	6.59E-04	7.72E-04	1.80E-03	3.22E-03	3.60E-04	6.15E-03
4100	496363.09	3854877.25	0.12918	0.05379	0.4779	0.09756	5.22E-04	1.60E-03	3.05E-03	3.08E-04	5.48E-03	4.75E-04	1.73E-09	4.06E-05	8.40E-06	5.24E-04	6.04E-04	1.60E-03	3.05E-03	3.08E-04	5.57E-03
4101	496863.09	3854877.25	0.11153	0.0492	0.4554	0.09318	4.51E-04	1.47E-03	2.90E-03	2.94E-04	5.12E-03	4.10E-04	1.59E-09	3.87E-05	8.02E-06	4.57E-04	5.22E-04	1.47E-03	2.90E-03	2.94E-04	5.19E-03
4102	497363.09	3854877.25	0.10162	0.04721	0.4208	0.08783	4.11E-04	1.41E-03	2.68E-03	2.77E-04	4.78E-03	3.74E-04	1.52E-09	3.58E-05	7.56E-06	4.17E-04	4.75E-04	1.41E-03	2.68E-03	2.77E-04	4.85E-03
4103	497863.09	3854877.25	0.11036	0.05101	0.4579	0.09558	4.46E-04	1.52E-03	2.92E-03	3.02E-04	5.19E-03	4.06E-04	1.64E-09	3.89E-05	8.23E-06	4.53E-04	5.16E-04	1.52E-03	2.92E-03	3.02E-04	5.26E-03
4104	498363.09	3854877.25	0.10562	0.04981	0.4644	0.09178	4.27E-04	1.49E-03	2.96E-03	2.90E-04	5.17E-03	3.88E-04	1.61E-09	3.95E-05	7.90E-06	4.36E-04	4.94E-04	1.49E-03	2.96E-03	2.90E-04	5.23E-03
4105	471363.09	3855377.25	0.22401	0.08892	0.1995	0.10297	9.05E-04	2.65E-03	1.27E-03	3.25E-04	5.16E-03	8.24E-04	2.87E-09	1.70E-05	8.87E-06	8.49E-04	1.05E-03	2.65E-03	1.27E-03	3.25E-04	5.30E-03
4106	471863.09	3855377.25	0.2313	0.09323	0.1902	0.1045	9.35E-04	2.78E-03	1.21E-03	3.30E-04	5.26E-03	8.50E-04	3.00E-09	1.62E-05	9.00E-06	8.76E-04	1.08E-03	2.78E-03	1.21E-03	3.30E-04	5.41E-03
4107	472363.09	3855377.25	0.25652	0.10067	0.1839	0.10907	1.04E-03	3.00E-03	1.17E-03	3.44E-04	5.56E-03	9.43E-04	3.24E-09	1.56E-05	9.39E-06	9.68E-04	1.20E-03	3.00E-03	1.17E-03	3.44E-04	5.72E-03
4108	472863.09	3855377.25	0.26385	0.09997	0.1932	0.10968	1.07E-03	2.98E-03	1.23E-03	3.46E-04	5.63E-03	9.70E-04	3.22E-09	1.64E-05	9.44E-06	9.96E-04	1.23E-03	2.98E-03	1.23E-03	3.46E-04	5.80E-03
4109	473363.09	3855377.25	0.28799	0.11643	0.212	0.11716	1.16E-03	3.47E-03	1.35E-03	3.70E-04	6.36E-03	1.06E-03	3.75E-09	1.80E-05	1.01E-05	1.09E-03	1.35E-03	3.47E-03	1.35E-03	3.70E-04	6.54E-03
4110	473863.09	3855377.25	0.3133	0.11826	0.2826	0.12292	1.27E-03	3.53E-03	1.80E-03	3.88E-04	6.99E-03	1.15E-03	3.81E-09	2.40E-05	1.06E-05	1.19E-03	1.47E-03	3.53E-03	1.80E-03	3.88E-04	7.18E-03
4111	474363.09	3855377.25	0.32612	0.12109	0.3669	0.12722	1.32E-03	3.61E-03	2.34E-03	4.02E-04	7.67E-03	1.20E-03	3.90E-09	3.12E-05	1.10E-05	1.24E-03	1.53E-03	3.61E-03	2.34E-03	4.02E-04	7.88E-03
4112	474863.09	3855377.25	0.26182	0.09867	0.367	0.11663	1.06E-03	2.94E-03	2.34E-03	3.68E-04	6.71E-03	9.63E-04	3.18E-09	3.12E-05	1.00E-05	1.00E-03	1.22E-03	2.94E-03	2.34E-03	3.68E-04	6.88E-03
4113	475363.09	3855377.25	0.09646	0.06831	0.3283	0.11562	3.90E-04	2.04E-03	2.09E-03	3.65E-04	4.89E-03	3.55E-04	2.20E-09	2.79E-05	9.96E-06	3.93E-04	4.51E-04	2.04E-03	2.09E-03	3.65E-04	4.95E-03
4114	475863.09	3855377.25	0.07276	0.06341	0.3355	0.11932	2.94E-04	1.89E-03	2.14E-03	3.77E-04	4.70E-03	2.68E-04	2.04E-09	2.85E-05	1.03E-05	3.06E-04	3.40E-04	1.89E-03	2.14E-03	3.77E-04	4.75E-03
4115	476363.09	3855377.25	0.0835	0.06606	0.3496	0.12396	3.38E-04	1.97E-03	2.23E-03	3.91E-04	4.93E-03	3.07E-04	2.13E-09	2.97E-05	1.07E-05	3.47E-04	3.90E-04	1.97E-03	2.23E-03	3.91E-04	4.98E-03
4116	476863.09	3855377.25	0.08458	0.06704	0.3652	0.12887	3.42E-04	2.00E-03	2.33E-03	4.07E-04	5.08E-03	3.11E-04	2.16E-09	3.11E-05	1.11E-05	3.53E-04	3.96E-04	2.00E-03	2.33E-03	4.07E-04	5.13E-03
4117	477363.09	3855377.25	0.09041	0.0704	0.4009	0.13227	3.65E-04	2.10E-03	2.56E-03	4.18E-04	5.44E-03	3.32E-04	2.27E-09	3.41E-05	1.14E-05	3.78E-04	4.23E-04	2.10E-03	2.56E-03	4.18E-04	5.50E-03
4118	477863.09	3855377.25	0.11611	0.08444	0.4349	0.14026	4.69E-04	2.52E-03	2.77E-03	4.43E-04	6.21E-03	4.27E-04	2.72E-09	3.70E-05	1.21E-05	4.76E-04	5.43E-04	2.52E-03	2.77E-03	4.43E-04	6.28E-03
4119	478363.09	3855377.25	0.14582	0.09984	0.4576	0.14437	5.89E-04	2.98E-03	2.92E-03	4.56E-04	6.94E-03	5.36E-04	3.22E-09	3.89E-05	1.24E-05	5.87E-04	6.82E-04	2.98E-03	2.92E-03	4.56E-04	7.04E-03
4120	478863.09	3855377.25	0.18839	0.11708	0.4602	0.15192	7.62E-04	3.49E-03	2.94E-03	4.80E-04	7.67E-03	6.93E-04	3.77E-09	3.91E-05	1.31E-05	7.45E-04	8.81E-04	3.49E-03	2.94E-03	4.80E-04	7.79E-03
4121	479363.09	3855377.25	0.2786	0.15974	0.4918	0.16206	1.13E-03	4.77E-03	3.14E-03	5.12E-04	9.54E-03	1.02E-03	5.15E-09	4.18E-05	1.40E-05	1.08E-03	1.30E-03	4.77E-03	3.14E-03	5.12E-04	9.72E-03
4122	479863.09	3855377.25	0.39936	0.18767	0.4671	0.20355	1.61E-03	5.60E-03	2.98E-03	6.43E-04	1.08E-02	1.47E-03	6.05E-09	3.97E-05	1.75E-05	1.53E-03	1.87E-03	5.60E-03	2.98E-03	6.43E-04	1.11E-02
4123	480363.09	3855377.25	0.73249	0.2454	0.5591	0.22746	2.96E-03	7.32E-03	3.57E-03	7.18E-04	1.46E-02	2.69E-03	7.91E-09	4.76E-05	1.96E-05	2.76E-03	3.43E-03	7.32E-03	3.57E-03	7.18E-04	1.50E-02
4124	480863.09	3855377.25	1.10971	0.37351	0.5133	0.26741	4.49E-03	1.11E-02	3.27E-03	8.44E-04	1.97E-02	4.08E-03	1.20E-08	4.37E-05	2.30E-05	4.15E-03	5.19E-03	1.11E-02	3.27E-03	8.44E-04	2.05E-02
4125	481363.09	3855377.25	1.43915	0.59212	0.5345	0.30733	5.82E-03	1.77E-02	3.41E-03	9.70E-04	2.79E-02	5.29E-03	1.91E-08	4.55E-05	2.65E-05	5.36E-03	6.73E-03	1.77E-02	3.41E-03	9.70E-04	2.88E-02
4126	481863.09	3855377.25	1.61043	1.0347	0.4615	0.34034	6.51E-03	3.09E-02	2.94E-03	1.07E-03	4.14E-02	5.92E-03	3.33E-08	3.92E-05	2.93E-05	5.99E-03	7.53E-03	3.09E-02	2.94E-03	1.07E-03	4.24E-02
4127	482363.09	3855377.25	1.73655	2.11875	0.4035	0.27101	7.02E-03	6.32E-02	2.57E-03	8.56E-04	7.37E-02	6.38E-03	6.83E-08	3.43E-05	2.33E-05	6.44E-03	8.12E-03	6.32E-02	2.57E-03	8.56E-04	7.48E-02
4128	482863.09	3855377.25	2.10215	3.47293	0.2331	0.62003	8.50E-03	1.04E-01	1.49E-03	1.96E-03	1.16E-01	7.73E-03	1.12E-07	1.98E-05	5.34E-05	7.80E-03	9.83E-03	1.04E-01	1.49E-03	1.96E-03	1.17E-01
4129	483363.09	3855377.25	2.57195	2.91054	0.3386	0.52885	1.04E-02	8.68E-02	2.16E-03	1.67E-03	1.01E-01	9.46E-03	9.38E-08	2.88E-05	4.55E-05	9.53E-03	1.20E-02	8.68E-02	2.16E-03	1.67E-03	1.03E-01
4130	483863.09	3855377.25	3.80347	1.49698	0.2745	0.33826	1.54E-02	4.47E-02	1.75E-03	1.07E-03	6.29E-02	1.40E-02	4.82E-08	2.33E-05	2.91E-05	1.40E-02	1.78E-02	4.47E-02	1.75E-03	1.07E-03	6.53E-02
4131	484363.09	3855377.25	9.78388	0.67233	0.261	0.38925	3.95E-02	2.01E-02	1.66E-03	1.23E-03	6.25E-02	3.60E-02	2.17E-08	2.22E-05	3.35E-05	3.60E-02	4.58E-02	2.01E-02	1.66E-03	1.23E-03	6.87E-02
4132	484863.09	3855377.25	28.3586	0.50578	0.3277	0.38104	1.15E-01	1.51E-02	2.09E-03	1.20E-03	1.33E-01	1.04E-01	1.63E-08	2.79E-05	3.28E-05	1.04E-01	1.33E-01	1.51E-02	2.09E-03	1.20E-03	1.51E-01
4133	485363.09	3855377.25	10.4923	0.37333	0.3629	0.66141	4.24E-02	1.11E-02	2.31E-03	2.09E-03	5.80E-02	3.86E-02	1.20E-08	3.09E-05	5.70E-05	3.87E-02	4.91E-02	1.11E-02	2.31E-03	2.09E-03	6.46E-02
4134	485863.09	3855377.25	5.202	0.30885	0.4441	0.64733	2.10E-02	9.21E-03	2.83E-03	2.04E-03	3.51E-02	1.91E-02	9.95E-09	3.78E-05	5.57E-05	1.92E-02	2.43E-02	9.21E-03	2.83E-03	2.04E-03	3.84E-02
4135	486363.09	3855377.25	2.96944	0.24527	0.5286	0.55022	1.20E-02	7.32E-03	3.37E-03	1.74E-03	2.44E-02	1.09E-02	7.91E-09	4.50E-05	4.74E-05	1.10E-02	1.39E-02	7.32E-03	3.37E-03	1.74E-03	2.63E-02
4136	486863.09	3855377.25	2.00312	0.21985	0.5398	0.51962	8.10E-03	6.56E-03	3.44E-03	1.64E-03	1.97E-02	7.36E-03	7.09E-09	4.59E-05	4.47E-05	7.46E-03	9.37E-03	6.56E-03	3.44E-03	1.64E-03	2.10E-02
4137	487363.09	3855377.25	1.98639	0.22798	1.2926	0.47043	8.03E-03	6.80E-03	8.25E-03	1.49E-03	2.46E-02	7.30E-03	7.35E-09	1.10E-04	4.05E-05	7.45E-03	9.29E-03	6.80E-03	8.25E-03	1.49E-03	2.58E-02
4138	487863.09	3855377.25	1.94198	0.23119	0.7355	0.36333	7.85E-03	6.90E-03	4.69E-03	1.15E-03	2.06E-02	7.14E-03	7.45E-09	6.26E-05	3.13E-05	7.23E-03	9.08E-03	6.90E-03	4.69E-03	1.15E-03	2.18E-02
4139	488363.09	3855377.25	1.83286	0.2496	0.7146	0.32124	7.41E-03	7.45E-03	4.56E-03	1.01E-03	2.04E-02	6.74E-03	8.04E-09	6.08E-05	2.77E-05	6.83E-03	8.57E-03	7.45E-03	4.56E-03	1.01E-03	2.16E-02
4140	488863.09	3855377.25	1.76207	0.25033	0.7774	0.3268	7.12E-03	7.47E-03	4.96E-03	1.03E-03	2.06E-02	6.48E-03	8.07E-09	6.61E-05	2.81E-05	6.57E-03	8.24E-03	7.47E-03	4.96E-03	1.03E-03	2.17E-02
4141	489363.09	3855377.25	1.62117	0.25763	1.011	0.29737	6.55E-03	7.69E-03	6.45E-03	9.39E-04	2.16E-02	5.96E-03	8.30E-09	8.60E-05	2.56E-05	6.07E-03	7.58E-03	7.69E-03	6.45E-03	9.39E-04	2.27E-02
4142	489863.09	3855377.25	1.44734	0.23871	0.8644	0.31512	5.85E-03	7.12E-03	5.51E-03	9.95E-04	1.95E-02	5.32E-03	7.69E-09	7.35E-05	2.71E-05	5.42E-03	6.77E-03	7.12E-03	5.51E-03	9.95E-04	2.04E-02
4143	490363.09	3855377.25	1.36934	0.2451	1.1406	0.38035	5.54E-03	7.31E-03	7.28E-03	1.20E-03	2.13E-02	5.03E-03	7.90E-09	9.70E-05	3.28E-05	5.16E-03	6.40E-03	7.31E-03	7.28E-03	1.20E-03	2.22E-02
4144	490863.09	3855377.25	0.71572	0.14042	1.3708	0.24493	2.89E-03	4.19E-03	8.74E-03	7.73E-04	1.66E-02	2.63E-03	4.53E-09	1.17E-04	2.11E-05	2.77E-03	3.35E-03	4.19E-03	8.74E-03	7.73E-04	1.71E-02

4145	491363.09	3855377.25	0.53767	0.12785	0.7486	0.18682	2.17E-03	3.81E-03	4.77E-03	5.90E-04	1.14E-02	1.98E-03	4.12E-09	6.37E-05	1.61E-05	2.06E-03	2.51E-03	3.81E-03	4.77E-03	5.90E-04	1.17E-02
4146	491863.09	3855377.25	0.96255	0.20392	0.8261	0.24858	3.89E-03	6.08E-03	5.27E-03	7.85E-04	1.60E-02	3.54E-03	6.57E-09	7.03E-05	2.14E-05	3.63E-03	4.50E-03	6.08E-03	5.27E-03	7.85E-04	1.66E-02
4147	492363.09	3855377.25	0.91396	0.20491	1.7925	0.29388	3.69E-03	6.11E-03	1.14E-02	9.28E-04	2.22E-02	3.36E-03	6.60E-09	1.52E-04	2.53E-05	3.54E-03	4.27E-03	6.11E-03	1.14E-02	9.28E-04	2.27E-02
4148	492863.09	3855377.25	0.85816	0.18819	1.9914	0.27577	3.47E-03	5.61E-03	1.27E-02	8.71E-04	2.27E-02	3.16E-03	6.07E-09	1.69E-04	2.37E-05	3.35E-03	4.01E-03	5.61E-03	1.27E-02	8.71E-04	2.32E-02
4149	493363.09	3855377.25	0.71292	0.15663	1.3914	0.23041	2.88E-03	4.67E-03	8.88E-03	7.27E-04	1.72E-02	2.62E-03	5.05E-09	1.18E-04	1.98E-05	2.76E-03	3.33E-03	4.67E-03	8.88E-03	7.27E-04	1.76E-02
4150	493863.09	3855377.25	0.47684	0.11612	1.2211	0.18142	1.93E-03	3.46E-03	7.79E-03	5.73E-04	1.38E-02	1.75E-03	3.74E-09	1.04E-04	1.56E-05	1.87E-03	2.23E-03	3.46E-03	7.79E-03	5.73E-04	1.41E-02
4151	494363.09	3855377.25	0.2988	0.08995	0.7032	0.13861	1.21E-03	2.68E-03	4.49E-03	4.38E-04	8.81E-03	1.10E-03	2.90E-09	5.98E-05	1.19E-05	1.17E-03	1.40E-03	2.68E-03	4.49E-03	4.38E-04	9.00E-03
4152	494863.09	3855377.25	0.1997	0.07026	0.5796	0.11669	8.07E-04	2.10E-03	3.70E-03	3.68E-04	6.97E-03	7.34E-04	2.26E-09	4.93E-05	1.00E-05	7.94E-04	9.34E-04	2.10E-03	3.70E-03	3.68E-04	7.10E-03
4153	495363.09	3855377.25	0.15219	0.0639	0.5288	0.10473	6.15E-04	1.91E-03	3.37E-03	3.31E-04	6.23E-03	5.60E-04	2.06E-09	4.50E-05	9.02E-06	6.14E-04	7.12E-04	1.91E-03	3.37E-03	3.31E-04	6.32E-03
4154	495863.09	3855377.25	0.1183	0.05667	0.4825	0.09717	4.78E-04	1.69E-03	3.08E-03	3.07E-04	5.55E-03	4.35E-04	1.83E-09	4.10E-05	8.37E-06	4.84E-04	5.53E-04	1.69E-03	3.08E-03	3.07E-04	5.63E-03
4155	496363.09	3855377.25	0.11153	0.0552	0.484	0.09191	4.51E-04	1.65E-03	3.09E-03	2.90E-04	5.48E-03	4.10E-04	1.78E-09	4.12E-05	7.91E-06	4.59E-04	5.22E-04	1.65E-03	3.09E-03	2.90E-04	5.55E-03
4156	496863.09	3855377.25	0.10621	0.05256	0.4806	0.09228	4.29E-04	1.57E-03	3.07E-03	2.91E-04	5.35E-03	3.90E-04	1.69E-09	4.09E-05	7.95E-06	4.39E-04	4.97E-04	1.57E-03	3.07E-03	2.91E-04	5.42E-03
4157	497363.09	3855377.25	0.10596	0.05406	0.4723	0.09357	4.28E-04	1.61E-03	3.01E-03	2.95E-04	5.35E-03	3.90E-04	1.74E-09	4.02E-05	8.06E-06	4.38E-04	4.96E-04	1.61E-03	3.01E-03	2.95E-04	5.42E-03
4158	497863.09	3855377.25	0.11221	0.05582	0.4824	0.08844	4.54E-04	1.67E-03	3.08E-03	2.79E-04	5.47E-03	4.13E-04	1.80E-09	4.10E-05	7.62E-06	4.61E-04	5.25E-04	1.67E-03	3.08E-03	2.79E-04	5.55E-03
4159	498363.09	3855377.25	0.11905	0.05796	0.5022	0.09289	4.81E-04	1.73E-03	3.20E-03	2.93E-04	5.71E-03	4.38E-04	1.87E-09	4.27E-05	8.00E-06	4.88E-04	5.57E-04	1.73E-03	3.20E-03	2.93E-04	5.78E-03
4160	471363.09	3855877.25	0.24657	0.0899	0.2001	0.10866	9.97E-04	2.68E-03	1.28E-03	3.43E-04	5.30E-03	9.07E-04	2.90E-09	1.70E-05	9.36E-06	9.33E-04	1.15E-03	2.68E-03	1.28E-03	3.43E-04	5.45E-03
4161	471863.09	3855877.25	0.25143	0.09421	0.2038	0.10972	1.02E-03	2.81E-03	1.30E-03	3.46E-04	5.47E-03	9.24E-04	3.04E-09	1.73E-05	9.45E-06	9.51E-04	1.18E-03	2.81E-03	1.30E-03	3.46E-04	5.63E-03
4162	472363.09	3855877.25	0.27523	0.10506	0.2072	0.13262	1.11E-03	3.13E-03	1.32E-03	4.19E-04	5.99E-03	1.01E-03	3.39E-09	1.76E-05	1.14E-05	1.04E-03	1.29E-03	3.13E-03	1.32E-03	4.19E-04	6.16E-03
4163	472863.09	3855877.25	0.27273	0.10519	0.2107	0.13507	1.10E-03	3.14E-03	1.34E-03	4.26E-04	6.01E-03	1.00E-03	3.39E-09	1.79E-05	1.16E-05	1.03E-03	1.28E-03	3.14E-03	1.34E-03	4.26E-04	6.18E-03
4164	473363.09	3855877.25	0.30746	0.12118	0.2229	0.14273	1.24E-03	3.62E-03	1.42E-03	4.51E-04	6.73E-03	1.13E-03	3.91E-09	1.90E-05	1.23E-05	1.16E-03	1.44E-03	3.62E-03	1.42E-03	4.51E-04	6.93E-03
4165	473863.09	3855877.25	0.32909	0.1318	0.2499	0.14842	1.33E-03	3.93E-03	1.59E-03	4.69E-04	7.32E-03	1.21E-03	4.25E-09	2.12E-05	1.28E-05	1.24E-03	1.54E-03	3.93E-03	1.59E-03	4.69E-04	7.53E-03
4166	474363.09	3855877.25	0.33671	0.13385	0.2754	0.15508	1.36E-03	3.99E-03	1.76E-03	4.90E-04	7.60E-03	1.24E-03	4.31E-09	2.34E-05	1.34E-05	1.27E-03	1.57E-03	3.99E-03	1.76E-03	4.90E-04	7.81E-03
4167	474863.09	3855877.25	0.23457	0.09459	0.26	0.11884	9.48E-04	2.82E-03	1.66E-03	3.75E-04	5.80E-03	8.62E-04	3.05E-09	2.21E-05	1.02E-05	8.95E-04	1.10E-03	2.82E-03	1.66E-03	3.75E-04	5.95E-03
4168	475363.09	3855877.25	0.12773	0.07671	0.2429	0.10672	5.16E-04	2.29E-03	1.55E-03	3.37E-04	4.69E-03	4.70E-04	2.47E-09	2.07E-05	9.19E-06	4.99E-04	5.97E-04	2.29E-03	1.55E-03	3.37E-04	4.77E-03
4169	475863.09	3855877.25	0.06149	0.04746	0.2371	0.1024	2.49E-04	1.42E-03	1.51E-03	3.23E-04	3.50E-03	2.26E-04	1.53E-09	2.02E-05	8.82E-06	2.55E-04	2.88E-04	1.42E-03	1.51E-03	3.23E-04	3.54E-03
4170	476363.09	3855877.25	0.06318	0.05453	0.2628	0.11601	2.55E-04	1.63E-03	1.68E-03	3.66E-04	3.92E-03	2.32E-04	1.76E-09	2.23E-05	9.99E-06	2.65E-04	2.95E-04	1.63E-03	1.68E-03	3.66E-04	3.96E-03
4171	476863.09	3855877.25	0.09515	0.07337	0.3075	0.12673	3.85E-04	2.19E-03	1.96E-03	4.00E-04	4.94E-03	3.50E-04	2.36E-09	2.62E-05	1.09E-05	3.87E-04	4.45E-04	2.19E-03	1.96E-03	4.00E-04	5.00E-03
4172	477363.09	3855877.25	0.10728	0.07713	0.355	0.12561	4.34E-04	2.30E-03	2.26E-03	3.97E-04	5.40E-03	3.94E-04	2.49E-09	3.02E-05	1.08E-05	4.35E-04	5.02E-04	2.30E-03	2.26E-03	3.97E-04	5.46E-03
4173	477863.09	3855877.25	0.12419	0.08613	0.4086	0.128	5.02E-04	2.57E-03	2.61E-03	4.04E-04	6.08E-03	4.57E-04	2.78E-09	3.48E-05	1.10E-05	5.02E-04	5.81E-04	2.57E-03	2.61E-03	4.04E-04	6.16E-03
4174	478363.09	3855877.25	0.15323	0.09626	0.4328	0.13568	6.19E-04	2.87E-03	2.76E-03	4.28E-04	6.68E-03	5.63E-04	3.10E-09	3.68E-05	1.17E-05	6.12E-04	7.17E-04	2.87E-03	2.76E-03	4.28E-04	6.78E-03
4175	478863.09	3855877.25	0.20743	0.11521	0.5105	0.16691	8.38E-04	3.44E-03	3.26E-03	5.27E-04	8.06E-03	7.63E-04	3.71E-09	4.34E-05	1.44E-05	8.20E-04	9.70E-04	3.44E-03	3.26E-03	5.27E-04	8.19E-03
4176	479363.09	3855877.25	0.30332	0.14455	0.5489	0.18688	1.23E-03	4.31E-03	3.50E-03	5.90E-04	9.63E-03	1.12E-03	4.66E-09	4.67E-05	1.61E-05	1.18E-03	1.42E-03	4.31E-03	3.50E-03	5.90E-04	9.82E-03
4177	479863.09	3855877.25	0.472	0.18062	0.6085	0.2223	1.91E-03	5.39E-03	3.88E-03	7.02E-04	1.19E-02	1.74E-03	5.82E-09	5.17E-05	1.91E-05	1.81E-03	2.21E-03	5.39E-03	3.88E-03	7.02E-04	1.22E-02
4178	480363.09	3855877.25	0.66149	0.23773	0.5559	0.24049	2.67E-03	7.09E-03	3.55E-03	7.59E-04	1.41E-02	2.43E-03	7.66E-09	4.73E-05	2.07E-05	2.50E-03	3.09E-03	7.09E-03	3.55E-03	7.59E-04	1.45E-02
4179	480863.09	3855877.25	0.94848	0.35476	0.5953	0.25759	3.83E-03	1.06E-02	3.80E-03	8.13E-04	1.90E-02	3.49E-03	1.14E-08	5.06E-05	2.22E-05	3.56E-03	4.44E-03	1.06E-02	3.80E-03	8.13E-04	1.96E-02
4180	481363.09	3855877.25	1.11234	0.38295	0.7152	0.25533	4.50E-03	1.14E-02	4.56E-03	8.06E-04	2.13E-02	4.09E-03	1.23E-08	6.08E-05	2.20E-05	4.17E-03	5.20E-03	1.14E-02	4.56E-03	8.06E-04	2.20E-02
4181	481863.09	3855877.25	1.51038	0.86403	0.6086	0.22195	6.11E-03	2.58E-02	3.88E-03	7.01E-04	3.65E-02	5.55E-03	2.78E-08	5.18E-05	1.91E-05	5.62E-03	7.06E-03	2.58E-02	3.88E-03	7.01E-04	3.74E-02
4182	482363.09	3855877.25	1.60371	1.96138	0.6691	0.29687	6.48E-03	5.85E-02	4.27E-03	9.37E-04	7.02E-02	5.90E-03	6.32E-08	5.69E-05	2.56E-05	5.98E-03	7.50E-03	5.85E-02	4.27E-03	9.37E-04	7.12E-02
4183	482863.09	3855877.25	2.05731	2.9531	0.5657	0.45817	8.32E-03	8.81E-02	3.61E-03	1.45E-03	1.01E-01	7.56E-03	9.52E-08	4.81E-05	3.95E-05	7.65E-03	9.62E-03	8.81E-02	3.61E-03	1.45E-03	1.03E-01
4184	483363.09	3855877.25	2.63669	4.35963	0.4647	0.66334	1.07E-02	1.30E-01	2.96E-03	2.09E-03	1.46E-01	9.69E-03	1.41E-07	3.95E-05	5.71E-05	9.79E-03	1.23E-02	1.30E-01	2.96E-03	2.09E-03	1.47E-01
4185	483863.09	3855877.25	3.61702	3.25715	0.3229	0.53359	1.46E-02	9.72E-02	2.06E-03	1.68E-03	1.16E-01	1.33E-02	1.05E-07	2.75E-05	4.59E-05	1.34E-02	1.69E-02	9.72E-02	2.06E-03	1.68E-03	1.18E-01
4186	484363.09	3855877.25	5.4879	1.81216	0.2638	0.71098	2.22E-02	5.41E-02	1.68E-03	2.24E-03	8.02E-02	2.02E-02	5.84E-08	2.24E-05	6.12E-05	2.03E-02	2.57E-02	5.41E-02	1.68E-03	2.24E-03	8.37E-02
4187	484863.09	3855877.25	9.8042	1.11398	0.2657	0.87765	3.96E-02	3.32E-02	1.69E-03	2.77E-03	7.73E-02	3.60E-02	3.59E-08	2.26E-05	7.56E-05	3.61E-02	4.59E-02	3.32E-02	1.69E-03	2.77E-03	8.36E-02
4188	485363.09	3855877.25	29.4088	0.81378	0.3926	0.73447	1.19E-01	2.43E-02	2.50E-03	2.32E-03	1.48E-01	1.08E-01	2.62E-08	3.34E-05	6.32E-05	1.08E-01	1.38E-01	2.43E-02	2.50E-03	2.32E-03	1.67E-01
4189	485863.09	3855877.25	17.2847	0.55133	0.4038	0.68061	6.99E-02	1.64E-02	2.58E-03	2.15E-03	9.10E-02	6.35E-02	1.78E-08	3.43E-05	5.86E-05	6.36E-02	8.08E-02	1.64E-02	2.58E-03	2.15E-03	1.02E-01
4190	486363.09	3855877.25	6.88892	0.38948	0.5673	0.63485	2.78E-02	1.16E-02	3.62E-03	2.00E-03	4.51E-02	2.53E-02	1.26E-08	4.82E-05	5.47E-05	2.54E-02	3.22E-02	1.16E-02	3.62E-03	2.00E-03	4.95E-02
4191	486863.09	3855877.25	4.42612	0.34324	0.5333	0.56865	1.79E-02	1.02E-02	3.40E-03	1.80E-03	3.33E-02	1.63E-02	1.11E-08	4.54E-05	4.90E-05	1.64E-02	2.07E-02	1.02E-02	3.40E-03	1.80E-03	3.61E-02
4192	487363.09	3855877.25	3.86477	0.34567	1.0553	0.49621	1.56E-02	1.03E-02	6.73E-03	1.57E-03	3.42E-02	1.42E-02	1.11E-08	8.98E-05	4.27E-05	1.43E-02	1.81E-02	1.03E-02	6.73E-03	1.57E-03	3.67E-02
4193	487863.09	3855877.25	3.39094	0.36311	0.8701	0.3746	1.37E-02	1.08E-02	5.55E-03	1.18E-03	3.13E-02	1.25E-02	1.17E-08	7.40E-05	3.23E-05	1.26E-02	1.59E-02	1.08E-02	5.55E-03	1.18E-03	3.34E-02
4194	488363.09	3855877.25	2.92431	0.37481	0.7839	0.31844	1.18E-02	1.12E-02	5.00E-03	1.01E-03	2.90E-02	1.08E-02	1.21E-08	6.67E-05	2.74E-05	1.08E-02	1.37E-02	1.12E-02	5.00E-03	1.01E-03	3.09E-02
4195	488863.09	3855877.25	2.50373	0.37498	1.1626	0.2904	1.01E-02	1.12E-02	7.42E-03	9.17E-04	2.96E-02	9.20E-03	1.21E-08	9.89E-05	2.50E-05	9.33E-03	1.17E-02	1.12E-02	7.42E-03	9.17E-04	3.12E-02
4196	489363.09	3855877.25	2.15762	0.37785	0.8151	0.31555	8.72E-03	1.13E-02	5.20E-03	9.96E-04	2.62E-02	7.93E-03	1.22E-08	6.93E-05	2.72E-05	8.03E-03	1.01E-02	1.13E-02	5.20E-03	9.96E-04	2.76E-02
4197	489863.09	3855877.25	1.86261	0.35251	1.2054	0.30034	7.53E-03	1.05E-02	7.69E-03	9.48E-04	2.67E-02	6.85E-03	1.14E-08	1.03E-04	2.59E-05	6.98E-03	8.71E-03	1.05E-02	7.69E-03	9.48E-04	2.79E-02
4198	490363.09	3855877.25	1.59481	0.33417	1.6381	0.29909	6.45E-03	9.97E-03	1.04E-02	9.44E-04	2.78E-02	5.86E-03	1.08E-08	1.39E-04	2.58E-05	6.03E-03	7.46E-03	9.97E-03	1.04E-02	9.44E-04	2.88E-02
4199	490863.09	3855877.25	1.4274	0.30606	0.9507	0.28402	5.77E-03	9.13E-03	6.06E-03	8.97E-04	2.19E-02	5.25E-03	9.86E-09	8.09E-05	2.45E-05	5.35E-03	6.68E-03	9.13E-03	6.06E-03	8.97E-04	2.28E-02
4200	491363.09	3855877.25	1.19008	0.22528	1.4738	0.26129	4.81E-03	6.72E-03	9.40E-03	8.25E-04	2.18E-02	4.38E-03	7.26E-09	1.25E-04	2.25E-05	4.52E-03	5.57E-03	6.72E-03	9.40E-03	8.25E-04	2.25E-02
4201	491863.09	3855877.25	1.18659	0.27877	1.6306	0.30641	4.80E-03	8.32E-03	1.04E-02	9.67E-04	2.45E-02	4.36E-03	8.98E-09	1.39E-04	2.64E-05	4.53E-03	5.55E-03	8.32E-03	1.04E-02	9.67E-04	2.52E-02
4202	492363.09	3855877.25	1.08794	0.2341	1.3072	0.30662	4.40E-03	6.98E-03	8.34E-03	9.68E-04	2.07E-02	4.00E-03	7.55E-09	1.11E-04	2.64E-05	4.14E-03	5.09E-03	6.98E-03	8.34E-03	9.68E-04	2.14E-02
4203	492863.09	3855877.25	1.01479	0.21348	1.599	0.29205	4.10E-03	6.37E-03	1.02E-02	9.22E-04	2.16E-02	3.73E-03	6.88E-09	1.36E-04	2.51E-05	3.89E-03	4.75E-03	6.37E-03	1.02E-02	9.22E-04	2.22E-02
4204	493363.09	3855877.25	0.68196	0.14607	2.0391	0.1962	2.76E-03	4.36E-03	1.30E-02	6.19E-04	2.07E-02	2.51E-03	4.71E-09	1.73E-04	1.69E-05	2.70E-03	3.19E-03	4.36E-03	1.30E-02	6.19E-04	2.12E-02
4205	493863.09	3855877.25	0.35808	0.10409	0.723	0.15264	1.45E-03	3.11E-03	4.61E-03	4.82E-04	9.65E-03	1.32E-03	3.35E-09	6.15E-05	1.31E-05	1.39E-03	1.67E-03	3.11E-03	4.61E-03	4.82E-04	9.87E-03

4206	494363.09	3855877.25	0.22478	0.08301	0.6616	0.12162	9.09E-04	2.48E-03	4.22E-03	3.84E-04	7.99E-03	8.26E-04	2.68E-09	5.63E-05	1.05E-05	8.93E-04	1.05E-03	2.48E-03	4.22E-03	3.84E-04	8.13E-03
4207	494863.09	3855877.25	0.17057	0.07008	0.6765	0.11006	6.89E-04	2.09E-03	4.32E-03	3.48E-04	7.44E-03	6.27E-04	2.26E-09	5.75E-05	9.48E-06	6.94E-04	7.98E-04	2.09E-03	4.32E-03	3.48E-04	7.55E-03
4208	495363.09	3855877.25	0.1269	0.0591	0.5051	0.095	5.13E-04	1.76E-03	3.22E-03	3.00E-04	5.80E-03	4.67E-04	1.90E-09	4.30E-05	8.18E-06	5.18E-04	5.93E-04	1.76E-03	3.22E-03	3.00E-04	5.88E-03
4209	495863.09	3855877.25	0.11894	0.05814	0.5016	0.09064	4.81E-04	1.73E-03	3.20E-03	2.86E-04	5.70E-03	4.37E-04	1.87E-09	4.27E-05	7.81E-06	4.88E-04	5.56E-04	1.73E-03	3.20E-03	2.86E-04	5.78E-03
4210	496363.09	3855877.25	0.11295	0.0569	0.4973	0.08788	4.57E-04	1.70E-03	3.17E-03	2.77E-04	5.60E-03	4.15E-04	1.83E-09	4.23E-05	7.57E-06	4.65E-04	5.28E-04	1.70E-03	3.17E-03	2.77E-04	5.67E-03
4211	496863.09	3855877.25	0.11307	0.05768	0.507	0.08803	4.57E-04	1.72E-03	3.23E-03	2.78E-04	5.69E-03	4.16E-04	1.86E-09	4.31E-05	7.58E-06	4.66E-04	5.29E-04	1.72E-03	3.23E-03	2.78E-04	5.76E-03
4212	497363.09	3855877.25	0.11491	0.05941	0.5006	0.09696	4.64E-04	1.77E-03	3.19E-03	3.06E-04	5.74E-03	4.22E-04	1.91E-09	4.26E-05	8.35E-06	4.73E-04	5.37E-04	1.77E-03	3.19E-03	3.06E-04	5.81E-03
4213	497863.09	3855877.25	0.1189	0.06124	0.5316	0.10163	4.81E-04	1.83E-03	3.39E-03	3.21E-04	6.02E-03	4.37E-04	1.97E-09	4.52E-05	8.75E-06	4.91E-04	5.56E-04	1.83E-03	3.39E-03	3.21E-04	6.09E-03
4214	498363.09	3855877.25	0.13561	0.06694	0.5427	0.10103	5.48E-04	2.00E-03	3.46E-03	3.19E-04	6.33E-03	4.99E-04	2.16E-09	4.62E-05	8.70E-06	5.53E-04	6.34E-04	2.00E-03	3.46E-03	3.19E-04	6.41E-03
4215	471363.09	3856377.25	0.20172	0.08939	0.1987	0.10473	8.15E-04	2.67E-03	1.27E-03	3.31E-04	5.08E-03	7.42E-04	2.88E-09	1.69E-05	9.02E-06	7.68E-04	9.43E-04	2.67E-03	1.27E-03	3.31E-04	5.21E-03
4216	471863.09	3856377.25	0.20413	0.08983	0.2047	0.10788	8.25E-04	2.68E-03	1.31E-03	3.41E-04	5.15E-03	7.50E-04	2.90E-09	1.74E-05	9.29E-06	7.77E-04	9.55E-04	2.68E-03	1.31E-03	3.41E-04	5.28E-03
4217	472363.09	3856377.25	0.21464	0.09788	0.2175	0.10987	8.68E-04	2.92E-03	1.39E-03	3.47E-04	5.52E-03	7.89E-04	3.15E-09	1.85E-05	9.46E-06	8.17E-04	1.00E-03	2.92E-03	1.39E-03	3.47E-04	5.66E-03
4218	472863.09	3856377.25	0.23978	0.10803	0.2368	0.11306	9.69E-04	3.22E-03	1.51E-03	3.57E-04	6.06E-03	8.82E-04	3.48E-09	2.01E-05	9.74E-06	9.11E-04	1.12E-03	3.22E-03	1.51E-03	3.57E-04	6.21E-03
4219	473363.09	3856377.25	0.27155	0.12173	0.2405	0.11485	1.10E-03	3.63E-03	1.53E-03	3.63E-04	6.63E-03	9.98E-04	3.92E-09	2.04E-05	9.89E-06	1.03E-03	1.27E-03	3.63E-03	1.53E-03	3.63E-04	6.80E-03
4220	473863.09	3856377.25	0.29872	0.13583	0.244	0.11614	1.21E-03	4.05E-03	1.56E-03	3.67E-04	7.18E-03	1.10E-03	4.38E-09	2.07E-05	1.00E-05	1.13E-03	1.40E-03	4.05E-03	1.56E-03	3.67E-04	7.37E-03
4221	474363.09	3856377.25	0.28878	0.12217	0.2475	0.12196	1.17E-03	3.64E-03	1.58E-03	3.85E-04	6.78E-03	1.06E-03	3.94E-09	2.10E-05	1.05E-05	1.09E-03	1.35E-03	3.64E-03	1.58E-03	3.85E-04	6.96E-03
4222	474863.09	3856377.25	0.26051	0.11214	0.2509	0.14902	1.05E-03	3.35E-03	1.60E-03	4.71E-04	6.47E-03	9.58E-04	3.61E-09	2.13E-05	1.28E-05	9.92E-04	1.22E-03	3.35E-03	1.60E-03	4.71E-04	6.63E-03
4223	475363.09	3856377.25	0.19661	0.08822	0.2537	0.1168	7.95E-04	2.63E-03	1.62E-03	3.69E-04	5.41E-03	7.23E-04	2.84E-09	2.16E-05	1.01E-05	7.54E-04	9.19E-04	2.63E-03	1.62E-03	3.69E-04	5.54E-03
4224	475863.09	3856377.25	0.13225	0.07499	0.2584	0.11254	5.35E-04	2.24E-03	1.65E-03	3.55E-04	4.78E-03	4.86E-04	2.42E-09	2.20E-05	9.69E-06	5.18E-04	6.18E-04	2.24E-03	1.65E-03	3.55E-04	4.86E-03
4225	476363.09	3856377.25	0.12524	0.07378	0.2642	0.11823	5.06E-04	2.20E-03	1.69E-03	3.73E-04	4.77E-03	4.60E-04	2.38E-09	2.25E-05	1.02E-05	4.93E-04	5.86E-04	2.20E-03	1.69E-03	3.73E-04	4.85E-03
4226	476863.09	3856377.25	0.12795	0.07387	0.2904	0.12534	5.17E-04	2.20E-03	1.85E-03	3.96E-04	4.97E-03	4.70E-04	2.38E-09	2.47E-05	1.08E-05	5.06E-04	5.98E-04	2.20E-03	1.85E-03	3.96E-04	5.05E-03
4227	477363.09	3856377.25	0.13424	0.07714	0.2816	0.13243	5.43E-04	2.30E-03	1.80E-03	4.18E-04	5.06E-03	4.94E-04	2.49E-09	2.39E-05	1.14E-05	5.29E-04	6.28E-04	2.30E-03	1.80E-03	4.18E-04	5.14E-03
4228	477863.09	3856377.25	0.11195	0.07725	0.2793	0.13701	4.53E-04	2.30E-03	1.78E-03	4.33E-04	4.97E-03	4.12E-04	2.49E-09	2.38E-05	1.18E-05	4.47E-04	5.24E-04	2.30E-03	1.78E-03	4.33E-04	5.04E-03
4229	478363.09	3856377.25	0.09319	0.07883	0.2831	0.1421	3.77E-04	2.35E-03	1.81E-03	4.49E-04	4.98E-03	3.43E-04	2.54E-09	2.41E-05	1.22E-05	3.79E-04	4.36E-04	2.35E-03	1.81E-03	4.49E-04	5.04E-03
4230	478863.09	3856377.25	0.16961	0.09841	0.327	0.15496	6.86E-04	2.94E-03	2.09E-03	4.89E-04	6.20E-03	6.24E-04	3.17E-09	2.78E-05	1.33E-05	6.65E-04	7.93E-04	2.94E-03	2.09E-03	4.89E-04	6.30E-03
4231	479363.09	3856377.25	0.20954	0.11487	0.3785	0.18026	8.47E-04	3.43E-03	2.41E-03	5.69E-04	7.26E-03	7.70E-04	3.70E-09	3.22E-05	1.55E-05	8.18E-04	9.80E-04	3.43E-03	2.41E-03	5.69E-04	7.39E-03
4232	479863.09	3856377.25	0.43348	0.17057	0.5481	0.2724	1.75E-03	5.09E-03	3.50E-03	8.60E-04	1.12E-02	1.59E-03	5.50E-09	4.66E-05	2.35E-05	1.66E-03	2.03E-03	5.09E-03	3.50E-03	8.60E-04	1.15E-02
4233	480363.09	3856377.25	0.66409	0.23826	0.6023	0.25786	2.68E-03	7.11E-03	3.84E-03	8.14E-04	1.44E-02	2.44E-03	7.68E-09	5.12E-05	2.22E-05	2.51E-03	3.11E-03	7.11E-03	3.84E-03	8.14E-04	1.49E-02
4234	480863.09	3856377.25	0.85387	0.34331	0.6195	0.28287	3.45E-03	1.02E-02	3.95E-03	8.93E-04	1.85E-02	3.14E-03	1.11E-08	5.27E-05	2.44E-05	3.22E-03	3.99E-03	1.02E-02	3.95E-03	8.93E-04	1.91E-02
4235	481363.09	3856377.25	1.04738	0.50152	0.6449	0.28552	4.23E-03	1.50E-02	4.11E-03	9.01E-04	2.42E-02	3.85E-03	1.62E-08	5.48E-05	2.46E-05	3.93E-03	4.90E-03	1.50E-02	4.11E-03	9.01E-04	2.49E-02
4236	481863.09	3856377.25	1.28449	0.9731	0.6407	0.23897	5.19E-03	2.90E-02	4.09E-03	7.55E-04	3.91E-02	4.72E-03	3.14E-08	5.45E-05	2.06E-05	4.80E-03	6.01E-03	2.90E-02	4.09E-03	7.55E-04	3.99E-02
4237	482363.09	3856377.25	1.41567	1.76726	0.6966	0.29992	5.72E-03	5.27E-02	4.44E-03	9.47E-04	6.38E-02	5.20E-03	5.70E-08	5.92E-05	2.58E-05	5.29E-03	6.62E-03	5.27E-02	4.44E-03	9.47E-04	6.47E-02
4238	482863.09	3856377.25	1.77938	2.56862	0.6463	0.29735	7.19E-03	7.66E-02	4.12E-03	9.39E-04	8.89E-02	6.54E-03	8.28E-08	5.50E-05	2.56E-05	6.62E-03	8.32E-03	7.66E-02	4.12E-03	9.39E-04	9.00E-02
4239	483363.09	3856377.25	2.29616	5.24159	0.7301	0.52057	9.28E-03	1.56E-01	4.66E-03	1.64E-03	1.72E-01	8.44E-03	1.69E-07	6.21E-05	4.48E-05	8.55E-03	1.07E-02	1.56E-01	4.66E-03	1.64E-03	1.73E-01
4240	483863.09	3856377.25	3.08903	5.46578	0.7483	1.44717	1.25E-02	1.63E-01	4.77E-03	4.57E-03	1.85E-01	1.14E-02	1.76E-07	6.36E-05	1.25E-04	1.15E-02	1.44E-02	1.63E-01	4.77E-03	4.57E-03	1.87E-01
4241	484363.09	3856377.25	3.81471	5.85147	0.5829	1.2918	1.54E-02	1.75E-01	3.72E-03	4.08E-03	1.98E-01	1.40E-02	1.89E-07	4.96E-05	1.11E-04	1.42E-02	1.78E-02	1.75E-01	3.72E-03	4.08E-03	2.00E-01
4242	484863.09	3856377.25	5.55258	3.21413	0.4823	1.16796	2.24E-02	9.59E-02	3.08E-03	3.69E-03	1.25E-01	2.04E-02	1.04E-07	4.10E-05	1.01E-04	2.06E-02	2.60E-02	9.59E-02	3.08E-03	3.69E-03	1.29E-01
4243	485363.09	3856377.25	8.45754	1.82639	0.2991	0.7686	3.42E-02	5.45E-02	1.91E-03	2.43E-03	9.30E-02	3.11E-02	5.89E-08	2.54E-05	6.62E-05	3.12E-02	3.96E-02	5.45E-02	1.91E-03	2.43E-03	9.84E-02
4244	485863.09	3856377.25	25.7606	1.1733	0.4286	0.59263	1.04E-01	3.50E-02	2.73E-03	1.87E-03	1.44E-01	9.47E-02	3.78E-08	3.65E-05	5.10E-05	9.48E-02	1.20E-01	3.50E-02	2.73E-03	1.87E-03	1.60E-01
4245	486363.09	3856377.25	17.9252	0.6006	0.4734	0.54887	7.25E-02	1.79E-02	3.02E-03	1.73E-03	9.51E-02	6.59E-02	1.94E-08	4.03E-05	4.73E-05	6.60E-02	8.38E-02	1.79E-02	3.02E-03	1.73E-03	1.06E-01
4246	486863.09	3856377.25	9.02463	0.5451	0.7145	0.45201	3.65E-02	1.63E-02	4.56E-03	1.43E-03	5.87E-02	3.32E-02	1.76E-08	6.08E-05	3.89E-05	3.33E-02	4.22E-02	1.63E-02	4.56E-03	1.43E-03	6.45E-02
4247	487363.09	3856377.25	6.36002	0.53876	0.7289	0.37296	2.57E-02	1.61E-02	4.65E-03	1.18E-03	4.76E-02	2.34E-02	1.74E-08	6.20E-05	3.21E-05	2.35E-02	2.97E-02	1.61E-02	4.65E-03	1.18E-03	5.16E-02
4248	487863.09	3856377.25	5.05921	0.58803	1.096	0.32201	2.05E-02	1.75E-02	6.99E-03	1.02E-03	4.60E-02	1.86E-02	1.90E-08	9.32E-05	2.77E-05	1.87E-02	2.37E-02	1.75E-02	6.99E-03	1.02E-03	4.92E-02
4249	488363.09	3856377.25	3.71661	0.55822	0.8671	0.29968	1.50E-02	1.67E-02	5.53E-03	9.46E-04	3.82E-02	1.37E-02	1.80E-08	7.37E-05	2.58E-05	1.38E-02	1.74E-02	1.67E-02	5.53E-03	9.46E-04	4.05E-02
4250	488863.09	3856377.25	3.17413	0.54775	1.0342	0.27143	1.28E-02	1.63E-02	6.60E-03	8.57E-04	3.66E-02	1.17E-02	1.77E-08	8.80E-05	2.34E-05	1.18E-02	1.48E-02	1.63E-02	6.60E-03	8.57E-04	3.86E-02
4251	489363.09	3856377.25	2.61894	0.52975	1.2117	0.25541	1.06E-02	1.58E-02	7.73E-03	8.06E-04	3.49E-02	9.63E-03	1.71E-08	1.03E-04	2.20E-05	9.75E-03	1.22E-02	1.58E-02	7.73E-03	8.06E-04	3.66E-02
4252	489863.09	3856377.25	2.21818	0.49339	1.5423	0.25821	8.97E-03	1.47E-02	9.84E-03	8.15E-04	3.43E-02	8.16E-03	1.59E-08	1.31E-04	2.22E-05	8.31E-03	1.04E-02	1.47E-02	9.84E-03	8.15E-04	3.57E-02
4253	490363.09	3856377.25	1.925	0.45967	1.2019	0.23652	7.78E-03	1.37E-02	7.67E-03	7.47E-04	2.99E-02	7.08E-03	1.48E-08	1.02E-04	2.04E-05	7.20E-03	9.00E-03	1.37E-02	7.67E-03	7.47E-04	3.11E-02
4254	490863.09	3856377.25	1.72089	0.41301	1.619	0.24149	6.96E-03	1.23E-02	1.03E-02	7.62E-04	3.04E-02	6.33E-03	1.33E-08	1.38E-04	2.08E-05	6.49E-03	8.05E-03	1.23E-02	1.03E-02	7.62E-04	3.15E-02
4255	491363.09	3856377.25	1.52041	0.36033	1.3755	0.26069	6.15E-03	1.07E-02	8.77E-03	8.23E-04	2.65E-02	5.59E-03	1.16E-08	1.17E-04	2.24E-05	5.73E-03	7.11E-03	1.07E-02	8.77E-03	8.23E-04	2.75E-02
4256	491863.09	3856377.25	1.36292	0.32233	1.7594	0.29355	5.51E-03	9.62E-03	1.12E-02	9.27E-04	2.73E-02	5.01E-03	1.04E-08	1.50E-04	2.53E-05	5.19E-03	6.37E-03	9.62E-03	1.12E-02	9.27E-04	2.81E-02
4257	492363.09	3856377.25	1.13147	0.26842	2.0553	0.33834	4.57E-03	8.01E-03	1.31E-02	1.07E-03	2.68E-02	4.16E-03	8.65E-09	1.75E-04	2.91E-05	4.36E-03	5.29E-03	8.01E-03	1.31E-02	1.07E-03	2.75E-02
4258	492863.09	3856377.25	0.89505	0.1959	1.5266	0.24736	3.62E-03	5.84E-03	9.74E-03	7.81E-04	2.00E-02	3.29E-03	6.31E-09	1.30E-04	2.13E-05	3.44E-03	4.19E-03	5.84E-03	9.74E-03	7.81E-04	2.05E-02
4259	493363.09	3856377.25	0.41488	0.12024	0.9588	0.15435	1.68E-03	3.59E-03	6.12E-03	4.87E-04	1.19E-02	1.53E-03	3.88E-09	8.15E-05	1.33E-05	1.62E-03	1.94E-03	3.59E-03	6.12E-03	4.87E-04	1.21E-02
4260	493863.09	3856377.25	0.2977	0.099	0.8692	0.14923	1.20E-03	2.95E-03	5.54E-03	4.71E-04	1.02E-02	1.09E-03	3.19E-09	7.39E-05	1.29E-05	1.18E-03	1.39E-03	2.95E-03	5.54E-03	4.71E-04	1.04E-02
4261	494363.09	3856377.25	0.20203	0.08399	0.8165	0.12051	8.17E-04	2.51E-03	5.21E-03	3.80E-04	8.91E-03	7.43E-04	2.71E-09	6.94E-05	1.04E-05	8.23E-04	9.45E-04	2.51E-03	5.21E-03	3.80E-04	9.04E-03
4262	494863.09	3856377.25	0.15019	0.07112	0.5875	0.10794	6.07E-04	2.12E-03	3.75E-03	3.41E-04	6.82E-03	5.52E-04	2.29E-09	5.00E-05	9.29E-06	6.11E-04	7.02E-04	2.12E-03	3.75E-03	3.41E-04	6.91E-03
4263	495363.09	3856377.25	0.12206	0.06081	0.5377	0.09174	4.93E-04	1.81E-03	3.43E-03	2.90E-04	6.03E-03	4.49E-04	1.96E-09	4.57E-05	7.90E-06	5.02E-04	5.71E-04	1.81E-03	3.43E-03	2.90E-04	6.10E-03
4264	495863.09	3856377.25	0.11451	0.05747	0.518	0.08893	4.63E-04	1.71E-03	3.30E-03	2.81E-04	5.76E-03	4.21E-04	1.85E-09	4.41E-05	7.66E-06	4.73E-04	5.36E-04	1.71E-03	3.30E-03	2.81E-04	5.83E-03
4265	496363.09	3856377.25	0.11744	0.05915	0.4814	0.09403	4.75E-04	1.76E-03	3.07E-03	2.97E-04	5.61E-03	4.32E-04	1.91E-09	4.09E-05	8.10E-06	4.81E-04	5.49E-04	1.76E-03	3.07E-03	2.97E-04	5.68E-03
4266	496863.09	3856377.25	0.12676	0.06248	0.5554	0.0994	5.12E-04	1.86E-03	3.54E-03	3.14E-04	6.23E-03	4.66E-04	2.01E-09	4.72E-05	8.56E-06	5.22E-04	5.93E-04	1.86E-03	3.54E-03	3.14E-04	6.31E-03

4267	497363.09	3856377.25	0.12978	0.06538	0.5705	0.11602	5.25E-04	1.95E-03	3.64E-03	3.66E-04	6.48E-03	4.77E-04	2.11E-09	4.85E-05	9.99E-06	5.36E-04	6.07E-04	1.95E-03	3.64E-03	3.66E-04	6.56E-03
4268	497863.09	3856377.25	0.13562	0.07089	0.5724	0.11661	5.48E-04	2.11E-03	3.65E-03	3.68E-04	6.68E-03	4.99E-04	2.28E-09	4.87E-05	1.00E-05	5.57E-04	6.34E-04	2.11E-03	3.65E-03	3.68E-04	6.77E-03
4269	498363.09	3856377.25	0.15574	0.07529	0.5772	0.11531	6.30E-04	2.25E-03	3.68E-03	3.64E-04	6.92E-03	5.73E-04	2.43E-09	4.91E-05	9.93E-06	6.32E-04	7.28E-04	2.25E-03	3.68E-03	3.64E-04	7.02E-03
4270	471363.09	3856877.25	0.20552	0.09174	0.2001	0.10725	8.31E-04	2.74E-03	1.28E-03	3.39E-04	5.18E-03	7.56E-04	2.96E-09	1.70E-05	9.24E-06	7.82E-04	9.61E-04	2.74E-03	1.28E-03	3.39E-04	5.31E-03
4271	471863.09	3856877.25	0.20491	0.09219	0.2121	0.10955	8.28E-04	2.75E-03	1.35E-03	3.46E-04	5.28E-03	7.53E-04	2.97E-09	1.80E-05	9.43E-06	7.81E-04	9.58E-04	2.75E-03	1.35E-03	3.46E-04	5.41E-03
4272	472363.09	3856877.25	0.22372	0.09816	0.2181	0.11383	9.04E-04	2.93E-03	1.39E-03	3.59E-04	5.58E-03	8.23E-04	3.16E-09	1.85E-05	9.80E-06	8.51E-04	1.05E-03	2.93E-03	1.39E-03	3.59E-04	5.73E-03
4273	472863.09	3856877.25	0.24021	0.10509	0.2235	0.11377	9.71E-04	3.14E-03	1.43E-03	3.59E-04	5.89E-03	8.83E-04	3.39E-09	1.90E-05	9.80E-06	9.12E-04	1.12E-03	3.14E-03	1.43E-03	3.59E-04	6.04E-03
4274	473363.09	3856877.25	0.2683	0.12352	0.2291	0.12122	1.08E-03	3.69E-03	1.46E-03	3.83E-04	6.61E-03	9.86E-04	3.98E-09	1.95E-05	1.04E-05	1.02E-03	1.25E-03	3.69E-03	1.46E-03	3.83E-04	6.78E-03
4275	473863.09	3856877.25	0.29382	0.13073	0.2348	0.12676	1.19E-03	3.90E-03	1.50E-03	4.00E-04	6.99E-03	1.08E-03	4.21E-09	2.00E-05	1.09E-05	1.11E-03	1.37E-03	3.90E-03	1.50E-03	4.00E-04	7.17E-03
4276	474363.09	3856877.25	0.28927	0.11752	0.2407	0.12837	1.17E-03	3.51E-03	1.54E-03	4.05E-04	6.62E-03	1.06E-03	3.79E-09	2.05E-05	1.11E-05	1.10E-03	1.35E-03	3.51E-03	1.54E-03	4.05E-04	6.80E-03
4277	474863.09	3856877.25	0.25885	0.10208	0.2468	0.14726	1.05E-03	3.05E-03	1.57E-03	4.65E-04	6.13E-03	9.52E-04	3.29E-09	2.10E-05	1.27E-05	9.85E-04	1.21E-03	3.05E-03	1.57E-03	4.65E-04	6.30E-03
4278	475363.09	3856877.25	0.21412	0.08024	0.2559	0.12407	8.66E-04	2.39E-03	1.63E-03	3.92E-04	5.28E-03	7.87E-04	2.59E-09	2.18E-05	1.07E-05	8.20E-04	1.00E-03	2.39E-03	1.63E-03	3.92E-04	5.42E-03
4279	475863.09	3856877.25	0.20122	0.08153	0.2653	0.12594	8.13E-04	2.43E-03	1.69E-03	3.98E-04	5.34E-03	7.40E-04	2.63E-09	2.26E-05	1.08E-05	7.73E-04	9.41E-04	2.43E-03	1.69E-03	3.98E-04	5.46E-03
4280	476363.09	3856877.25	0.17007	0.07534	0.2809	0.12477	6.87E-04	2.25E-03	1.79E-03	3.94E-04	5.12E-03	6.25E-04	2.43E-09	2.39E-05	1.07E-05	6.60E-04	7.95E-04	2.25E-03	1.79E-03	3.94E-04	5.23E-03
4281	476863.09	3856877.25	0.1719	0.07805	0.3169	0.12447	6.95E-04	2.33E-03	2.02E-03	3.93E-04	5.44E-03	6.32E-04	2.52E-09	2.70E-05	1.07E-05	6.70E-04	8.04E-04	2.33E-03	2.02E-03	3.93E-04	5.55E-03
4282	477363.09	3856877.25	0.14497	0.0784	0.3285	0.127	5.86E-04	2.34E-03	2.10E-03	4.01E-04	5.42E-03	5.33E-04	2.53E-09	2.79E-05	1.09E-05	5.72E-04	6.78E-04	2.34E-03	2.10E-03	4.01E-04	5.51E-03
4283	477863.09	3856877.25	0.10042	0.06699	0.3086	0.1264	4.06E-04	2.00E-03	1.97E-03	3.99E-04	4.77E-03	3.69E-04	2.16E-09	2.62E-05	1.09E-05	4.06E-04	4.70E-04	2.00E-03	1.97E-03	3.99E-04	4.84E-03
4284	478363.09	3856877.25	0.08556	0.06708	0.3188	0.13276	3.46E-04	2.00E-03	2.03E-03	4.19E-04	4.80E-03	3.15E-04	2.16E-09	2.71E-05	1.14E-05	3.53E-04	4.00E-04	2.00E-03	2.03E-03	4.19E-04	4.85E-03
4285	478863.09	3856877.25	0.11177	0.07588	0.3517	0.13756	4.52E-04	2.26E-03	2.24E-03	4.34E-04	5.39E-03	4.11E-04	2.45E-09	2.99E-05	1.18E-05	4.53E-04	5.23E-04	2.26E-03	2.24E-03	4.34E-04	5.46E-03
4286	479363.09	3856877.25	0.13886	0.09011	0.3588	0.14513	5.61E-04	2.69E-03	2.29E-03	4.58E-04	6.00E-03	5.11E-04	2.90E-09	3.05E-05	1.25E-05	5.54E-04	6.49E-04	2.69E-03	2.29E-03	4.58E-04	6.08E-03
4287	479863.09	3856877.25	0.44365	0.14842	0.3692	0.2163	1.79E-03	4.43E-03	2.35E-03	6.83E-04	9.26E-03	1.63E-03	4.78E-09	3.14E-05	1.86E-05	1.68E-03	2.07E-03	4.43E-03	2.35E-03	6.83E-04	9.54E-03
4288	480363.09	3856877.25	0.66592	0.2358	0.4343	0.33106	2.69E-03	7.03E-03	2.77E-03	1.05E-03	1.35E-02	2.45E-03	7.60E-09	3.69E-05	2.85E-05	2.51E-03	3.11E-03	7.03E-03	2.77E-03	1.05E-03	1.40E-02
4289	480863.09	3856877.25	0.92161	0.37687	0.506	0.2373	3.73E-03	1.12E-02	3.23E-03	7.49E-04	1.89E-02	3.39E-03	1.21E-08	4.30E-05	2.04E-05	3.45E-03	4.31E-03	1.12E-02	3.23E-03	7.49E-04	1.95E-02
4290	481363.09	3856877.25	1.088	0.57159	0.5718	0.24419	4.40E-03	1.71E-02	3.65E-03	7.71E-04	2.59E-02	4.00E-03	1.84E-08	4.86E-05	2.10E-05	4.07E-03	5.09E-03	1.71E-02	3.65E-03	7.71E-04	2.66E-02
4291	481863.09	3856877.25	1.22166	0.76473	0.589	0.27849	4.94E-03	2.28E-02	3.76E-03	8.79E-04	3.24E-02	4.49E-03	2.46E-08	5.01E-05	2.40E-05	4.57E-03	5.71E-03	2.28E-02	3.76E-03	8.79E-04	3.32E-02
4292	482363.09	3856877.25	1.46869	1.66401	0.7321	0.25402	5.94E-03	4.96E-02	4.67E-03	8.02E-04	6.11E-02	5.40E-03	5.36E-08	6.23E-05	2.19E-05	5.48E-03	6.87E-03	4.96E-02	4.67E-03	8.02E-04	6.20E-02
4293	482863.09	3856877.25	1.68339	2.43491	0.735	0.24983	6.80E-03	7.26E-02	4.69E-03	7.89E-04	8.49E-02	6.19E-03	7.85E-08	6.25E-05	2.15E-05	6.27E-03	7.87E-03	7.26E-02	4.69E-03	7.89E-04	8.60E-02
4294	483363.09	3856877.25	2.03664	4.10158	0.7605	0.50407	8.23E-03	1.22E-01	4.85E-03	1.59E-03	1.37E-01	7.49E-03	1.32E-07	6.47E-05	4.34E-05	7.60E-03	9.52E-03	1.22E-01	4.85E-03	1.59E-03	1.38E-01
4295	483863.09	3856877.25	2.31758	6.3535	0.8301	0.52338	9.37E-03	1.90E-01	5.29E-03	1.65E-03	2.06E-01	8.52E-03	2.05E-07	7.06E-05	4.51E-05	8.64E-03	1.08E-02	1.90E-01	5.29E-03	1.65E-03	2.07E-01
4296	484363.09	3856877.25	2.95872	6.46418	0.8949	0.80494	1.20E-02	1.93E-01	5.71E-03	2.54E-03	2.13E-01	1.09E-02	2.08E-07	7.61E-05	6.93E-05	1.10E-02	1.38E-02	1.93E-01	5.71E-03	2.54E-03	2.15E-01
4297	484863.09	3856877.25	3.63152	7.93195	0.8818	1.21413	1.47E-02	2.37E-01	5.62E-03	3.83E-03	2.61E-01	1.34E-02	2.56E-07	7.50E-05	1.05E-04	1.35E-02	1.70E-02	2.37E-01	5.62E-03	3.83E-03	2.63E-01
4298	485363.09	3856877.25	4.54332	4.02886	0.7653	0.88199	1.84E-02	1.20E-01	4.88E-03	2.78E-03	1.46E-01	1.67E-02	1.30E-07	6.51E-05	7.59E-05	1.68E-02	2.12E-02	1.20E-01	4.88E-03	2.78E-03	1.49E-01
4299	485863.09	3856877.25	6.89726	2.47457	0.6221	0.59378	2.79E-02	7.38E-02	3.97E-03	1.87E-03	1.08E-01	2.54E-02	7.98E-08	5.29E-05	5.11E-05	2.55E-02	3.23E-02	7.38E-02	3.97E-03	1.87E-03	1.12E-01
4300	486363.09	3856877.25	20.6693	0.91596	0.4641	0.66396	8.35E-02	2.73E-02	2.96E-03	2.10E-03	1.16E-01	7.60E-02	2.95E-08	3.95E-05	5.72E-05	7.61E-02	9.67E-02	2.73E-02	2.96E-03	2.10E-03	1.29E-01
4301	486863.09	3856877.25	30.5998	0.87113	0.5987	0.53727	1.24E-01	2.60E-02	3.82E-03	1.70E-03	1.55E-01	1.13E-01	2.81E-08	5.09E-05	4.63E-05	1.13E-01	1.43E-01	2.60E-02	3.82E-03	1.70E-03	1.75E-01
4302	487363.09	3856877.25	10.3382	0.85715	0.7606	0.45563	4.18E-02	2.56E-02	4.85E-03	1.44E-03	7.37E-02	3.80E-02	2.76E-08	6.47E-05	3.92E-05	3.81E-02	4.83E-02	2.56E-02	4.85E-03	1.44E-03	8.02E-02
4303	487863.09	3856877.25	6.11537	0.8206	1.5576	0.31852	2.47E-02	2.45E-02	9.94E-03	1.01E-03	6.01E-02	2.25E-02	2.64E-08	1.32E-04	2.74E-05	2.26E-02	2.86E-02	2.45E-02	9.94E-03	1.01E-03	6.40E-02
4304	488363.09	3856877.25	4.49995	0.83204	1.1726	0.29256	1.82E-02	2.48E-02	7.48E-03	9.24E-04	5.14E-02	1.65E-02	2.68E-08	9.97E-05	2.52E-05	1.67E-02	2.10E-02	2.48E-02	7.48E-03	9.24E-04	5.43E-02
4305	488863.09	3856877.25	3.54666	0.78024	1.2023	0.29173	1.43E-02	2.33E-02	7.67E-03	9.21E-04	4.62E-02	1.30E-02	2.51E-08	1.02E-04	2.51E-05	1.32E-02	1.66E-02	2.33E-02	7.67E-03	9.21E-04	4.85E-02
4306	489363.09	3856877.25	2.8991	0.74291	1.4967	0.27789	1.17E-02	2.22E-02	9.55E-03	8.77E-04	4.43E-02	1.07E-02	2.39E-08	1.27E-04	2.39E-05	1.08E-02	1.36E-02	2.22E-02	9.55E-03	8.77E-04	4.61E-02
4307	489863.09	3856877.25	2.44152	0.65178	1.4573	0.27981	9.87E-03	1.94E-02	9.30E-03	8.83E-04	3.95E-02	8.98E-03	2.10E-08	1.24E-04	2.41E-05	9.12E-03	1.14E-02	1.94E-02	9.30E-03	8.83E-04	4.10E-02
4308	490363.09	3856877.25	2.0905	0.56512	1.609	0.25363	8.45E-03	1.69E-02	1.03E-02	8.01E-04	3.64E-02	7.69E-03	1.82E-08	1.37E-04	2.18E-05	7.84E-03	9.78E-03	1.69E-02	1.03E-02	8.01E-04	3.77E-02
4309	490863.09	3856877.25	1.80303	0.50192	1.6016	0.25239	7.29E-03	1.50E-02	1.02E-02	7.97E-04	3.33E-02	6.63E-03	1.62E-08	1.36E-04	2.17E-05	6.79E-03	8.43E-03	1.50E-02	1.02E-02	7.97E-04	3.44E-02
4310	491363.09	3856877.25	1.56086	0.45652	1.5833	0.27145	6.31E-03	1.36E-02	1.01E-02	8.57E-04	3.09E-02	5.74E-03	1.47E-08	1.35E-04	2.34E-05	5.90E-03	7.30E-03	1.36E-02	1.01E-02	8.57E-04	3.19E-02
4311	491863.09	3856877.25	1.43678	0.39614	1.748	0.30652	5.81E-03	1.18E-02	1.11E-02	9.68E-04	2.97E-02	5.28E-03	1.28E-08	1.49E-04	2.64E-05	5.46E-03	6.72E-03	1.18E-02	1.11E-02	9.68E-04	3.07E-02
4312	492363.09	3856877.25	1.13923	0.24876	2.3704	0.34873	4.61E-03	7.42E-03	1.51E-02	1.10E-03	2.82E-02	4.19E-03	8.02E-09	2.02E-04	3.00E-05	4.42E-03	5.33E-03	7.42E-03	1.51E-02	1.10E-03	2.90E-02
4313	492863.09	3856877.25	0.73177	0.17917	2.3696	0.24953	2.96E-03	5.35E-03	1.51E-02	7.88E-04	2.42E-02	2.69E-03	5.77E-09	2.02E-04	2.15E-05	2.91E-03	3.42E-03	5.35E-03	1.51E-02	7.88E-04	2.47E-02
4314	493363.09	3856877.25	0.41583	0.135	1.2355	0.16381	1.68E-03	4.03E-03	7.88E-03	5.17E-04	1.41E-02	1.53E-03	4.35E-09	1.05E-04	1.41E-05	1.65E-03	1.94E-03	4.03E-03	7.88E-03	5.17E-04	1.44E-02
4315	493863.09	3856877.25	0.26295	0.10338	0.857	0.13053	1.06E-03	3.08E-03	5.47E-03	4.12E-04	1.00E-02	9.67E-04	3.33E-09	7.29E-05	1.12E-05	1.05E-03	1.23E-03	3.08E-03	5.47E-03	4.12E-04	1.02E-02
4316	494363.09	3856877.25	0.18104	0.08177	0.7674	0.12702	7.32E-04	2.44E-03	4.90E-03	4.01E-04	8.47E-03	6.66E-04	2.64E-09	6.53E-05	1.09E-05	7.42E-04	8.47E-04	2.44E-03	4.90E-03	4.01E-04	8.58E-03
4317	494863.09	3856877.25	0.15163	0.0729	0.7291	0.11952	6.13E-04	2.17E-03	4.65E-03	3.77E-04	7.82E-03	5.57E-04	2.35E-09	6.20E-05	1.03E-05	6.30E-04	7.09E-04	2.17E-03	4.65E-03	3.77E-04	7.91E-03
4318	495363.09	3856877.25	0.1298	0.06821	0.6667	0.10881	5.25E-04	2.03E-03	4.25E-03	3.44E-04	7.16E-03	4.77E-04	2.20E-09	5.67E-05	9.37E-06	5.43E-04	6.07E-04	2.03E-03	4.25E-03	3.44E-04	7.24E-03
4319	495863.09	3856877.25	0.1276	0.06668	0.6433	0.11523	5.16E-04	1.99E-03	4.10E-03	3.64E-04	6.97E-03	4.69E-04	2.15E-09	5.47E-05	9.92E-06	5.34E-04	5.97E-04	1.99E-03	4.10E-03	3.64E-04	7.05E-03
4320	496363.09	3856877.25	0.12802	0.06842	0.5855	0.12133	5.17E-04	2.04E-03	3.73E-03	3.83E-04	6.68E-03	4.71E-04	2.21E-09	4.98E-05	1.04E-05	5.31E-04	5.99E-04	2.04E-03	3.73E-03	3.83E-04	6.76E-03
4321	496863.09	3856877.25	0.13118	0.07016	0.5562	0.1225	5.30E-04	2.09E-03	3.55E-03	3.87E-04	6.56E-03	4.82E-04	2.26E-09	4.73E-05	1.05E-05	5.40E-04	6.13E-04	2.09E-03	3.55E-03	3.87E-04	6.64E-03
4322	497363.09	3856877.25	0.14048	0.07364	0.5455	0.13129	5.68E-04	2.20E-03	3.48E-03	4.15E-04	6.66E-03	5.16E-04	2.37E-09	4.64E-05	1.13E-05	5.74E-04	6.57E-04	2.20E-03	3.48E-03	4.15E-04	6.75E-03
4323	497863.09	3856877.25	0.16072	0.08021	0.5792	0.13308	6.50E-04	2.39E-03	3.69E-03	4.20E-04	7.16E-03	5.91E-04	2.59E-09	4.93E-05	1.15E-05	6.52E-04	7.52E-04	2.39E-03	3.69E-03	4.20E-04	7.26E-03
4324	498363.09	3856877.25	0.18186	0.08888	0.6215	0.1292	7.35E-04	2.65E-03	3.96E-03	4.08E-04	7.76E-03	6.69E-04	2.86E-09	5.29E-05	1.11E-05	7.33E-04	8.50E-04	2.65E-03	3.96E-03	4.08E-04	7.87E-03
4325	471363.09	3857377.25	0.19719	0.08966	0.2075	0.11356	7.97E-04	2.67E-03	1.32E-03	3.59E-04	5.15E-03	7.25E-04	2.89E-09	1.76E-05	9.78E-06	7.52E-04	9.22E-04	2.67E-03	1.32E-03	3.59E-04	5.28E-03
4326	471863.09	3857377.25	0.19534	0.08784	0.2117	0.11285	7.90E-04	2.62E-03	1.35E-03	3.56E-04	5.12E-03	7.18E-04	2.83E-09	1.80E-05	9.72E-06	7.46E-04	9.14E-04	2.62E-03	1.35E-03	3.56E-04	5.24E-03
4327	472363.09	3857377.25	0.20105	0.09304	0.2163	0.11208	8.13E-04	2.78E-03	1.38E-03	3.54E-04	5.32E-03	7.39E-04	3.00E-09	1.84E-05	9.65E-06	7.67E-04	9.40E-04	2.78E-03	1.38E-03	3.54E-04	5.45E-03

4328	472863.09	3857377.25	0.21089	0.09978	0.221	0.11173	8.52E-04	2.98E-03	1.41E-03	3.53E-04	5.59E-03	7.75E-04	3.22E-09	1.88E-05	9.62E-06	8.04E-04	9.86E-04	2.98E-03	1.41E-03	3.53E-04	5.73E-03
4329	473363.09	3857377.25	0.23113	0.11112	0.226	0.11975	9.34E-04	3.32E-03	1.44E-03	3.78E-04	6.07E-03	8.50E-04	3.58E-09	1.92E-05	1.03E-05	8.79E-04	1.08E-03	3.32E-03	1.44E-03	3.78E-04	6.22E-03
4330	473863.09	3857377.25	0.26829	0.13259	0.2313	0.12839	1.08E-03	3.96E-03	1.48E-03	4.05E-04	6.92E-03	9.86E-04	4.27E-09	1.97E-05	1.11E-05	1.02E-03	1.25E-03	3.96E-03	1.48E-03	4.05E-04	7.09E-03
4331	474363.09	3857377.25	0.25308	0.11301	0.2358	0.13807	1.02E-03	3.37E-03	1.50E-03	4.36E-04	6.33E-03	9.30E-04	3.64E-09	2.01E-05	1.19E-05	9.62E-04	1.18E-03	3.37E-03	1.50E-03	4.36E-04	6.50E-03
4332	474863.09	3857377.25	0.20319	0.07982	0.2392	0.14899	8.21E-04	2.38E-03	1.53E-03	4.70E-04	5.20E-03	7.47E-04	2.57E-09	2.03E-05	1.28E-05	7.80E-04	9.50E-04	2.38E-03	1.53E-03	4.70E-04	5.33E-03
4333	475363.09	3857377.25	0.14361	0.062	0.2354	0.10164	5.81E-04	1.85E-03	1.50E-03	3.21E-04	4.25E-03	5.28E-04	2.00E-09	2.00E-05	8.75E-06	5.57E-04	6.72E-04	1.85E-03	1.50E-03	3.21E-04	4.34E-03
4334	475863.09	3857377.25	0.12577	0.06218	0.2431	0.10508	5.08E-04	1.86E-03	1.55E-03	3.32E-04	4.25E-03	4.62E-04	2.00E-09	2.07E-05	9.05E-06	4.92E-04	5.88E-04	1.86E-03	1.55E-03	3.32E-04	4.33E-03
4335	476363.09	3857377.25	0.16585	0.07178	0.2541	0.10941	6.70E-04	2.14E-03	1.62E-03	3.45E-04	4.78E-03	6.10E-04	2.31E-09	2.16E-05	9.42E-06	6.41E-04	7.76E-04	2.14E-03	1.62E-03	3.45E-04	4.88E-03
4336	476863.09	3857377.25	0.18339	0.07541	0.2658	0.11232	7.41E-04	2.25E-03	1.70E-03	3.55E-04	5.04E-03	6.74E-04	2.43E-09	2.26E-05	9.67E-06	7.07E-04	8.58E-04	2.25E-03	1.70E-03	3.55E-04	5.16E-03
4337	477363.09	3857377.25	0.17062	0.07378	0.2642	0.1113	6.90E-04	2.20E-03	1.69E-03	3.51E-04	4.93E-03	6.27E-04	2.38E-09	2.25E-05	9.58E-06	6.59E-04	7.98E-04	2.20E-03	1.69E-03	3.51E-04	5.04E-03
4338	477863.09	3857377.25	0.10829	0.06905	0.2684	0.10916	4.38E-04	2.06E-03	1.71E-03	3.45E-04	4.55E-03	3.98E-04	2.23E-09	2.28E-05	9.40E-06	4.30E-04	5.06E-04	2.06E-03	1.71E-03	3.45E-04	4.62E-03
4339	478363.09	3857377.25	0.08743	0.06482	0.2725	0.11289	3.53E-04	1.93E-03	1.74E-03	3.56E-04	4.38E-03	3.21E-04	2.09E-09	2.32E-05	9.72E-06	3.54E-04	4.09E-04	1.93E-03	1.74E-03	3.56E-04	4.44E-03
4340	478863.09	3857377.25	0.08313	0.06297	0.2765	0.12205	3.36E-04	1.88E-03	1.76E-03	3.85E-04	4.36E-03	3.06E-04	2.03E-09	2.35E-05	1.05E-05	3.40E-04	3.89E-04	1.88E-03	1.76E-03	3.85E-04	4.42E-03
4341	479363.09	3857377.25	0.11937	0.08449	0.308	0.13321	4.83E-04	2.52E-03	1.96E-03	4.21E-04	5.39E-03	4.39E-04	2.72E-09	2.62E-05	1.15E-05	4.77E-04	5.58E-04	2.52E-03	1.96E-03	4.21E-04	5.46E-03
4342	479863.09	3857377.25	0.33622	0.13912	0.3569	0.24023	1.36E-03	4.15E-03	2.28E-03	7.58E-04	8.54E-03	1.24E-03	4.48E-09	3.04E-05	2.07E-05	1.29E-03	1.57E-03	4.15E-03	2.28E-03	7.58E-04	8.76E-03
4343	480363.09	3857377.25	0.25843	0.1292	0.3904	0.18472	1.04E-03	3.85E-03	2.49E-03	5.83E-04	7.97E-03	9.50E-04	4.16E-09	3.32E-05	1.59E-05	9.99E-04	1.21E-03	3.85E-03	2.49E-03	5.83E-04	8.14E-03
4344	480863.09	3857377.25	0.86061	0.39124	0.4587	0.37379	3.48E-03	1.17E-02	2.93E-03	1.18E-03	1.93E-02	3.16E-03	1.26E-08	3.90E-05	3.22E-05	3.24E-03	4.02E-03	1.17E-02	2.93E-03	1.18E-03	1.98E-02
4345	481363.09	3857377.25	1.02479	0.41958	0.503	0.30251	4.14E-03	1.25E-02	3.21E-03	9.55E-04	2.08E-02	3.77E-03	1.35E-08	4.28E-05	2.60E-05	3.84E-03	4.79E-03	1.25E-02	3.21E-03	9.55E-04	2.15E-02
4346	481863.09	3857377.25	1.28608	0.62059	0.5215	0.29489	5.20E-03	1.85E-02	3.33E-03	9.31E-04	2.80E-02	4.73E-03	2.00E-08	4.44E-05	2.54E-05	4.80E-03	6.01E-03	1.85E-02	3.33E-03	9.31E-04	2.88E-02
4347	482363.09	3857377.25	1.36201	1.26891	0.5422	0.26965	5.51E-03	3.79E-02	3.46E-03	8.51E-04	4.77E-02	5.01E-03	4.09E-08	4.61E-05	2.32E-05	5.08E-03	6.37E-03	3.79E-02	3.46E-03	8.51E-04	4.85E-02
4348	482863.09	3857377.25	1.53528	1.80035	0.5602	0.33633	6.21E-03	5.37E-02	3.57E-03	1.06E-03	6.46E-02	5.64E-03	5.80E-08	4.76E-05	2.90E-05	5.72E-03	7.18E-03	5.37E-02	3.57E-03	1.06E-03	6.55E-02
4349	483363.09	3857377.25	1.65865	2.32663	0.5948	0.42109	6.70E-03	6.94E-02	3.79E-03	1.33E-03	8.12E-02	6.10E-03	7.50E-08	5.06E-05	3.63E-05	6.18E-03	7.76E-03	6.94E-02	3.79E-03	1.33E-03	8.23E-02
4350	483863.09	3857377.25	1.89628	3.03421	0.7277	0.51098	7.67E-03	9.05E-02	4.64E-03	1.61E-03	1.04E-01	6.97E-03	9.78E-08	6.19E-05	4.40E-05	7.08E-03	8.87E-03	9.05E-02	4.64E-03	1.61E-03	1.06E-01
4351	484363.09	3857377.25	2.17056	3.67106	0.8728	0.2287	8.77E-03	1.10E-01	5.57E-03	7.22E-04	1.25E-01	7.98E-03	1.18E-07	7.42E-05	1.97E-05	8.07E-03	1.02E-02	1.10E-01	5.57E-03	7.22E-04	1.26E-01
4352	484863.09	3857377.25	2.65233	5.28914	1.0089	0.25576	1.07E-02	1.58E-01	6.44E-03	8.08E-04	1.76E-01	9.75E-03	1.70E-07	8.58E-05	2.20E-05	9.86E-03	1.24E-02	1.58E-01	6.44E-03	8.08E-04	1.77E-01
4353	485363.09	3857377.25	2.92905	7.44146	1.0791	0.36589	1.18E-02	2.22E-01	6.88E-03	1.16E-03	2.42E-01	1.08E-02	2.40E-07	9.18E-05	3.15E-05	1.09E-02	1.37E-02	2.22E-01	6.88E-03	1.16E-03	2.44E-01
4354	485863.09	3857377.25	3.46652	5.16904	1.0751	0.34786	1.40E-02	1.54E-01	6.86E-03	1.10E-03	1.76E-01	1.27E-02	1.67E-07	9.14E-05	3.00E-05	1.29E-02	1.62E-02	1.54E-01	6.86E-03	1.10E-03	1.78E-01
4355	486363.09	3857377.25	5.04916	2.43521	0.9639	0.329	2.04E-02	7.27E-02	6.15E-03	1.04E-03	1.00E-01	1.86E-02	7.85E-08	8.20E-05	2.83E-05	1.87E-02	2.36E-02	7.27E-02	6.15E-03	1.04E-03	1.03E-01
4356	486863.09	3857377.25	7.64139	1.19333	0.9079	0.307	3.09E-02	3.56E-02	5.79E-03	9.69E-04	7.32E-02	2.81E-02	3.85E-08	7.72E-05	2.64E-05	2.82E-02	3.57E-02	3.56E-02	5.79E-03	9.69E-04	7.81E-02
4357	487363.09	3857377.25	7.18427	1.20563	0.9217	0.37226	2.90E-02	3.60E-02	5.88E-03	1.18E-03	7.21E-02	2.64E-02	3.89E-08	7.84E-05	3.21E-05	2.65E-02	3.36E-02	3.60E-02	5.88E-03	1.18E-03	7.66E-02
4358	487863.09	3857377.25	5.27122	1.18261	2.4155	0.28693	2.13E-02	3.53E-02	1.54E-02	9.06E-04	7.29E-02	1.94E-02	3.81E-08	2.05E-04	2.47E-05	1.96E-02	2.47E-02	3.53E-02	1.54E-02	9.06E-04	7.62E-02
4359	488363.09	3857377.25	3.2757	1.08586	1.9174	0.27831	1.32E-02	3.24E-02	1.22E-02	8.79E-04	5.87E-02	1.20E-02	3.50E-08	1.63E-04	2.40E-05	1.22E-02	1.53E-02	3.24E-02	1.22E-02	8.79E-04	6.08E-02
4360	488863.09	3857377.25	2.59088	1.00388	2.2256	0.28134	1.05E-02	2.99E-02	1.42E-02	8.88E-04	5.55E-02	9.53E-03	3.24E-08	1.89E-04	2.42E-05	9.74E-03	1.21E-02	2.99E-02	1.42E-02	8.88E-04	5.71E-02
4361	489363.09	3857377.25	2.29852	0.99403	2.2849	0.30085	9.29E-03	2.97E-02	1.46E-02	9.50E-04	5.45E-02	8.45E-03	3.20E-08	1.94E-04	2.59E-05	8.67E-03	1.07E-02	2.97E-02	1.46E-02	9.50E-04	5.59E-02
4362	489863.09	3857377.25	1.99998	0.87071	1.8232	0.30369	8.08E-03	2.60E-02	1.16E-02	9.59E-04	4.66E-02	7.35E-03	2.81E-08	1.55E-04	2.62E-05	7.53E-03	9.35E-03	2.60E-02	1.16E-02	9.59E-04	4.79E-02
4363	490363.09	3857377.25	1.77108	0.75547	1.9882	0.2617	7.16E-03	2.25E-02	1.27E-02	8.26E-04	4.32E-02	6.51E-03	2.43E-08	1.69E-04	2.25E-05	6.70E-03	8.28E-03	2.25E-02	1.27E-02	8.26E-04	4.43E-02
4364	490863.09	3857377.25	1.58256	0.65114	2.095	0.27907	6.40E-03	1.94E-02	1.34E-02	8.81E-04	4.01E-02	5.82E-03	2.10E-08	1.78E-04	2.40E-05	6.02E-03	7.40E-03	1.94E-02	1.34E-02	8.81E-04	4.11E-02
4365	491363.09	3857377.25	1.47196	0.57779	1.9246	0.27851	5.95E-03	1.72E-02	1.23E-02	8.79E-04	3.63E-02	5.41E-03	1.86E-08	1.64E-04	2.40E-05	5.60E-03	6.88E-03	1.72E-02	1.23E-02	8.79E-04	3.73E-02
4366	491863.09	3857377.25	1.35688	0.44771	2.1371	0.34644	5.48E-03	1.34E-02	1.36E-02	1.09E-03	3.36E-02	4.99E-03	1.44E-08	1.82E-04	2.98E-05	5.20E-03	6.35E-03	1.34E-02	1.36E-02	1.09E-03	3.44E-02
4367	492363.09	3857377.25	0.9834	0.24415	2.8622	0.38241	3.98E-03	7.28E-03	1.83E-02	1.21E-03	3.07E-02	3.62E-03	7.87E-09	2.43E-04	3.29E-05	3.89E-03	4.60E-03	7.28E-03	1.83E-02	1.21E-03	3.13E-02
4368	492863.09	3857377.25	0.47705	0.16615	1.4148	0.18805	1.93E-03	4.96E-03	9.02E-03	5.94E-04	1.65E-02	1.75E-03	5.36E-09	1.20E-04	1.62E-05	1.89E-03	2.23E-03	4.96E-03	9.02E-03	5.94E-04	1.68E-02
4369	493363.09	3857377.25	0.28412	0.12439	0.9518	0.14959	1.15E-03	3.71E-03	6.07E-03	4.72E-04	1.14E-02	1.04E-03	4.01E-09	8.09E-05	1.29E-05	1.14E-03	1.33E-03	3.71E-03	6.07E-03	4.72E-04	1.16E-02
4370	493863.09	3857377.25	0.229	0.10508	0.8898	0.13954	9.26E-04	3.13E-03	5.68E-03	4.41E-04	1.02E-02	8.42E-04	3.39E-09	7.57E-05	1.20E-05	9.30E-04	1.07E-03	3.13E-03	5.68E-03	4.41E-04	1.03E-02
4371	494363.09	3857377.25	0.17842	0.09299	0.7849	0.12768	7.21E-04	2.77E-03	5.01E-03	4.03E-04	8.91E-03	6.56E-04	3.00E-09	6.68E-05	1.10E-05	7.34E-04	8.34E-04	2.77E-03	5.01E-03	4.03E-04	9.02E-03
4372	494863.09	3857377.25	0.15913	0.08463	0.7749	0.13051	6.43E-04	2.52E-03	4.94E-03	4.12E-04	8.52E-03	5.85E-04	2.73E-09	6.59E-05	1.12E-05	6.62E-04	7.44E-04	2.52E-03	4.94E-03	4.12E-04	8.62E-03
4373	495363.09	3857377.25	0.14231	0.08116	0.6738	0.1328	5.75E-04	2.42E-03	4.30E-03	4.19E-04	7.71E-03	5.23E-04	2.62E-09	5.73E-05	1.14E-05	5.92E-04	6.66E-04	2.42E-03	4.30E-03	4.19E-04	7.80E-03
4374	495863.09	3857377.25	0.13893	0.08025	0.6157	0.13514	5.62E-04	2.39E-03	3.93E-03	4.27E-04	7.31E-03	5.11E-04	2.59E-09	5.24E-05	1.16E-05	5.75E-04	6.50E-04	2.39E-03	3.93E-03	4.27E-04	7.40E-03
4375	496363.09	3857377.25	0.1403	0.07984	0.5598	0.13564	5.67E-04	2.38E-03	3.57E-03	4.28E-04	6.95E-03	5.16E-04	2.57E-09	4.76E-05	1.17E-05	5.75E-04	6.56E-04	2.38E-03	3.57E-03	4.28E-04	7.04E-03
4376	496863.09	3857377.25	0.14174	0.08103	0.528	0.13684	5.73E-04	2.42E-03	3.37E-03	4.32E-04	6.79E-03	5.21E-04	2.61E-09	4.49E-05	1.18E-05	5.78E-04	6.63E-04	2.42E-03	3.37E-03	4.32E-04	6.88E-03
4377	497363.09	3857377.25	0.14825	0.0841	0.5794	0.13665	5.99E-04	2.51E-03	3.70E-03	4.31E-04	7.24E-03	5.45E-04	2.71E-09	4.93E-05	1.18E-05	6.06E-04	6.93E-04	2.51E-03	3.70E-03	4.31E-04	7.33E-03
4378	497863.09	3857377.25	0.16979	0.08893	0.5762	0.13346	6.86E-04	2.65E-03	3.68E-03	4.21E-04	7.44E-03	6.24E-04	2.87E-09	4.90E-05	1.15E-05	6.85E-04	7.94E-04	2.65E-03	3.68E-03	4.21E-04	7.54E-03
4379	498363.09	3857377.25	0.22439	0.10917	0.5989	0.14005	9.07E-04	3.26E-03	3.82E-03	4.42E-04	8.43E-03	8.25E-04	3.52E-09	5.09E-05	1.21E-05	8.88E-04	1.05E-03	3.26E-03	3.82E-03	4.42E-04	8.57E-03
4380	471363.09	3857877.25	0.20845	0.09365	0.2276	0.12435	8.43E-04	2.79E-03	1.45E-03	3.93E-04	5.48E-03	7.66E-04	3.02E-09	1.94E-05	1.07E-05	7.96E-04	9.75E-04	2.79E-03	1.45E-03	3.93E-04	5.61E-03
4381	471863.09	3857877.25	0.22361	0.09232	0.2345	0.1246	9.04E-04	2.75E-03	1.50E-03	3.93E-04	5.55E-03	8.22E-04	2.98E-09	1.99E-05	1.07E-05	8.53E-04	1.05E-03	2.75E-03	1.50E-03	3.93E-04	5.69E-03
4382	472363.09	3857877.25	0.23862	0.09515	0.2417	0.12478	9.65E-04	2.84E-03	1.54E-03	3.94E-04	5.74E-03	8.77E-04	3.07E-09	2.06E-05	1.07E-05	9.09E-04	1.12E-03	2.84E-03	1.54E-03	3.94E-04	5.89E-03
4383	472863.09	3857877.25	0.2566	0.10553	0.2492	0.12494	1.04E-03	3.15E-03	1.59E-03	3.94E-04	6.17E-03	9.43E-04	3.40E-09	2.12E-05	1.08E-05	9.75E-04	1.20E-03	3.15E-03	1.59E-03	3.94E-04	6.33E-03
4384	473363.09	3857877.25	0.26438	0.11269	0.2572	0.1259	1.07E-03	3.36E-03	1.64E-03	3.98E-04	6.47E-03	9.72E-04	3.63E-09	2.19E-05	1.08E-05	1.00E-03	1.24E-03	3.36E-03	1.64E-03	3.98E-04	6.64E-03
4385	473863.09	3857877.25	0.27207	0.12485	0.2657	0.12731	1.10E-03	3.72E-03	1.69E-03	4.02E-04	6.92E-03	1.00E-03	4.02E-09	2.26E-05	1.10E-05	1.03E-03	1.27E-03	3.72E-03	1.69E-03	4.02E-04	7.09E-03
4386	474363.09	3857877.25	0.25973	0.09898	0.2752	0.14534	1.05E-03	2.95E-03	1.76E-03	4.59E-04	6.22E-03	9.55E-04	3.19E-09	2.34E-05	1.25E-05	9.91E-04	1.21E-03	2.95E-03	1.76E-03	4.59E-04	6.38E-03
4387	474863.09	3857877.25	0.20811	0.06929	0.2849	0.1224	8.41E-04	2.07E-03	1.82E-03	3.86E-04	5.11E-03	7.65E-04	2.23E-09	2.42E-05	1.05E-05	8.00E-04	9.73E-04	2.07E-03	1.82E-03	3.86E-04	5.24E-03
4388	475363.09	3857877.25	0.10121	0.0551	0.2719	0.08952	4.09E-04	1.64E-03	1.73E-03	2.83E-04	4.07E-03	3.72E-04	1.78E-09	2.31E-05	7.71E-06	4.03E-04	4.73E-04	1.64E-03	1.73E-03	2.83E-04	4.13E-03

4389	475863.09	3857877.25	0.05765	0.04035	0.2286	0.08555	2.33E-04	1.20E-03	1.46E-03	2.70E-04	3.17E-03	2.12E-04	1.30E-09	1.94E-05	7.37E-06	2.39E-04	2.70E-04	1.20E-03	1.46E-03	2.70E-04	3.20E-03
4390	476363.09	3857877.25	0.10694	0.05973	0.2881	0.10282	4.32E-04	1.78E-03	1.84E-03	3.25E-04	4.38E-03	3.93E-04	1.93E-09	2.45E-05	8.85E-06	4.27E-04	5.00E-04	1.78E-03	1.84E-03	3.25E-04	4.44E-03
4391	476863.09	3857877.25	0.13043	0.06829	0.2972	0.11036	5.27E-04	2.04E-03	1.90E-03	3.48E-04	4.81E-03	4.80E-04	2.20E-09	2.53E-05	9.50E-06	5.14E-04	6.10E-04	2.04E-03	1.90E-03	3.48E-04	4.89E-03
4392	477363.09	3857877.25	0.13822	0.07153	0.3064	0.11775	5.59E-04	2.13E-03	1.95E-03	3.72E-04	5.02E-03	5.08E-04	2.31E-09	2.61E-05	1.01E-05	5.44E-04	6.46E-04	2.13E-03	1.95E-03	3.72E-04	5.11E-03
4393	477863.09	3857877.25	0.13876	0.07209	0.316	0.12498	5.61E-04	2.15E-03	2.02E-03	3.95E-04	5.12E-03	5.10E-04	2.32E-09	2.69E-05	1.08E-05	5.48E-04	6.49E-04	2.15E-03	2.02E-03	3.95E-04	5.21E-03
4394	478363.09	3857877.25	0.07804	0.05682	0.3242	0.12741	3.15E-04	1.70E-03	2.07E-03	4.02E-04	4.48E-03	2.87E-04	1.83E-09	2.76E-05	1.10E-05	3.25E-04	3.65E-04	1.70E-03	2.07E-03	4.02E-04	4.53E-03
4395	478863.09	3857877.25	0.06618	0.0615	0.2941	0.12799	2.68E-04	1.83E-03	1.88E-03	4.04E-04	4.38E-03	2.43E-04	1.98E-09	2.50E-05	1.10E-05	2.79E-04	3.09E-04	1.83E-03	1.88E-03	4.04E-04	4.42E-03
4396	479363.09	3857877.25	0.32496	0.13421	0.4124	0.20256	1.31E-03	4.00E-03	2.63E-03	6.40E-04	8.59E-03	1.19E-03	4.33E-09	3.51E-05	1.74E-05	1.25E-03	1.52E-03	4.00E-03	2.63E-03	6.40E-04	8.79E-03
4397	479863.09	3857877.25	0.61235	0.25838	0.4329	0.3216	2.48E-03	7.71E-03	2.76E-03	1.02E-03	1.40E-02	2.25E-03	8.33E-09	3.68E-05	2.77E-05	2.32E-03	2.86E-03	7.71E-03	2.76E-03	1.02E-03	1.43E-02
4398	480363.09	3857877.25	0.76896	0.34458	0.4555	0.25486	3.11E-03	1.03E-02	2.91E-03	8.05E-04	1.71E-02	2.83E-03	1.11E-08	3.87E-05	2.19E-05	2.89E-03	3.60E-03	1.03E-02	2.91E-03	8.05E-04	1.76E-02
4399	480863.09	3857877.25	0.93169	0.40572	0.4813	0.25374	3.77E-03	1.21E-02	3.07E-03	8.01E-04	1.97E-02	3.43E-03	1.31E-08	4.09E-05	2.18E-05	3.49E-03	4.36E-03	1.21E-02	3.07E-03	8.01E-04	2.03E-02
4400	481363.09	3857877.25	1.00877	0.47192	0.5102	0.31776	4.08E-03	1.41E-02	3.25E-03	1.00E-03	2.24E-02	3.71E-03	1.52E-08	4.34E-05	2.74E-05	3.78E-03	4.72E-03	1.41E-02	3.25E-03	1.00E-03	2.31E-02
4401	481863.09	3857877.25	1.17203	0.56951	0.5427	0.31784	4.74E-03	1.70E-02	3.46E-03	1.00E-03	2.62E-02	4.31E-03	1.84E-08	4.62E-05	2.74E-05	4.38E-03	5.48E-03	1.70E-02	3.46E-03	1.00E-03	2.69E-02
4402	482363.09	3857877.25	1.27937	0.96386	0.518	0.2902	5.17E-03	2.88E-02	3.30E-03	9.16E-04	3.81E-02	4.70E-03	3.11E-08	4.41E-05	2.50E-05	4.77E-03	5.98E-03	2.88E-02	3.30E-03	9.16E-04	3.90E-02
4403	482863.09	3857877.25	1.34651	1.53954	0.5931	0.38378	5.44E-03	4.59E-02	3.78E-03	1.21E-03	5.64E-02	4.95E-03	4.96E-08	5.04E-05	3.30E-05	5.03E-03	6.30E-03	4.59E-02	3.78E-03	1.21E-03	5.72E-02
4404	483363.09	3857877.25	1.42354	1.67418	0.6184	0.32605	5.75E-03	4.99E-02	3.94E-03	1.03E-03	6.07E-02	5.23E-03	5.40E-08	5.26E-05	2.81E-05	5.31E-03	6.66E-03	4.99E-02	3.94E-03	1.03E-03	6.16E-02
4405	483863.09	3857877.25	1.50854	1.62894	0.6475	0.28995	6.10E-03	4.86E-02	4.13E-03	9.15E-04	5.97E-02	5.55E-03	5.25E-08	5.51E-05	2.50E-05	5.63E-03	7.05E-03	4.86E-02	4.13E-03	9.15E-04	6.07E-02
4406	484363.09	3857877.25	1.65314	1.98394	0.7405	0.24398	6.68E-03	5.92E-02	4.72E-03	7.70E-04	7.14E-02	6.08E-03	6.39E-08	6.30E-05	2.10E-05	6.16E-03	7.73E-03	5.92E-02	4.72E-03	7.70E-04	7.24E-02
4407	484863.09	3857877.25	1.87306	2.18719	0.8591	0.21059	7.57E-03	6.53E-02	5.48E-03	6.65E-04	7.90E-02	6.89E-03	7.05E-08	7.31E-05	1.81E-05	6.98E-03	8.76E-03	6.53E-02	5.48E-03	6.65E-04	8.02E-02
4408	485363.09	3857877.25	1.971	2.40053	0.9612	0.26643	7.97E-03	7.16E-02	6.13E-03	8.41E-04	8.66E-02	7.25E-03	7.74E-08	8.17E-05	2.29E-05	7.35E-03	9.22E-03	7.16E-02	6.13E-03	8.41E-04	8.78E-02
4409	485863.09	3857877.25	1.91235	3.30678	1.1683	0.24177	7.73E-03	9.87E-02	7.45E-03	7.63E-04	1.15E-01	7.03E-03	1.07E-07	9.94E-05	2.08E-05	7.15E-03	8.94E-03	9.87E-02	7.45E-03	7.63E-04	1.16E-01
4410	486363.09	3857877.25	2.36313	6.54294	1.3875	0.30209	9.55E-03	1.95E-01	8.85E-03	9.54E-04	2.15E-01	8.69E-03	2.11E-07	1.18E-04	2.60E-05	8.83E-03	1.11E-02	1.95E-01	8.85E-03	9.54E-04	2.16E-01
4411	486863.09	3857877.25	2.90096	2.85599	1.4724	0.25526	1.17E-02	8.52E-02	9.39E-03	8.06E-04	1.07E-01	1.07E-02	9.21E-08	1.25E-04	2.20E-05	1.08E-02	1.36E-02	8.52E-02	9.39E-03	8.06E-04	1.09E-01
4412	487363.09	3857877.25	3.58881	1.99485	2.4258	0.3273	1.45E-02	5.95E-02	1.55E-02	1.03E-03	9.05E-02	1.32E-02	6.43E-08	2.06E-04	2.82E-05	1.34E-02	1.68E-02	5.95E-02	1.55E-02	1.03E-03	9.28E-02
4413	487863.09	3857877.25	3.57373	1.55086	5.7914	0.27748	1.44E-02	4.63E-02	3.69E-02	8.76E-04	9.85E-02	1.31E-02	5.00E-08	4.93E-04	2.39E-05	1.37E-02	1.67E-02	4.63E-02	3.69E-02	8.76E-04	1.01E-01
4414	488363.09	3857877.25	2.4163	1.31703	12.099	0.25089	9.77E-03	3.93E-02	7.72E-02	7.92E-04	1.27E-01	8.88E-03	4.24E-08	1.03E-03	2.16E-05	9.93E-03	1.13E-02	3.93E-02	7.72E-02	7.92E-04	1.29E-01
4415	488863.09	3857877.25	2.56835	1.30421	4.6394	0.29431	1.04E-02	3.89E-02	2.96E-02	9.29E-04	7.98E-02	9.44E-03	4.20E-08	3.95E-04	2.53E-05	9.86E-03	1.20E-02	3.89E-02	2.96E-02	9.29E-04	8.14E-02
4416	489363.09	3857877.25	2.21743	1.16451	3.3916	0.30798	8.96E-03	3.47E-02	2.16E-02	9.72E-04	6.63E-02	8.15E-03	3.75E-08	2.88E-04	2.65E-05	8.47E-03	1.04E-02	3.47E-02	2.16E-02	9.72E-04	6.77E-02
4417	489863.09	3857877.25	1.66296	1.00737	2.5397	0.22499	6.72E-03	3.01E-02	1.62E-02	7.10E-04	5.37E-02	6.11E-03	3.25E-08	2.16E-04	1.94E-05	6.35E-03	7.78E-03	3.01E-02	1.62E-02	7.10E-04	5.47E-02
4418	490363.09	3857877.25	1.45701	0.88741	2.0892	0.24097	5.89E-03	2.65E-02	1.33E-02	7.61E-04	4.65E-02	5.36E-03	2.86E-08	1.78E-04	2.07E-05	5.56E-03	6.81E-03	2.65E-02	1.33E-02	7.61E-04	4.74E-02
4419	490863.09	3857877.25	1.29549	0.80179	1.9178	0.23807	5.24E-03	2.39E-02	1.22E-02	7.52E-04	4.21E-02	4.76E-03	2.58E-08	1.63E-04	2.05E-05	4.95E-03	6.06E-03	2.39E-02	1.22E-02	7.52E-04	4.30E-02
4420	491363.09	3857877.25	1.19115	0.62485	1.8316	0.28011	4.81E-03	1.86E-02	1.17E-02	8.84E-04	3.60E-02	4.38E-03	2.01E-08	1.56E-04	2.41E-05	4.56E-03	5.57E-03	1.86E-02	1.17E-02	8.84E-04	3.68E-02
4421	491863.09	3857877.25	1.06181	0.42627	2.1192	0.31987	4.29E-03	1.27E-02	1.35E-02	1.01E-03	3.15E-02	3.90E-03	1.37E-08	1.80E-04	2.75E-05	4.11E-03	4.97E-03	1.27E-02	1.35E-02	1.01E-03	3.22E-02
4422	492363.09	3857877.25	0.65408	0.24491	2.1386	0.25761	2.64E-03	7.31E-03	1.36E-02	8.13E-04	2.44E-02	2.40E-03	7.89E-09	1.82E-04	2.22E-05	2.61E-03	3.06E-03	7.31E-03	1.36E-02	8.13E-04	2.48E-02
4423	492863.09	3857877.25	0.32866	0.1687	1.1999	0.1739	1.33E-03	5.03E-03	7.65E-03	5.49E-04	1.46E-02	1.21E-03	5.44E-09	1.02E-04	1.50E-05	1.33E-03	1.54E-03	5.03E-03	7.65E-03	5.49E-04	1.48E-02
4424	493363.09	3857877.25	0.27975	0.14557	0.9384	0.14926	1.13E-03	4.34E-03	5.99E-03	4.71E-04	1.19E-02	1.03E-03	4.69E-09	7.98E-05	1.29E-05	1.12E-03	1.31E-03	4.34E-03	5.99E-03	4.71E-04	1.21E-02
4425	493863.09	3857877.25	0.24836	0.1363	0.8165	0.14642	1.00E-03	4.07E-03	5.21E-03	4.62E-04	1.07E-02	9.13E-04	4.39E-09	6.94E-05	1.26E-05	9.95E-04	1.16E-03	4.07E-03	5.21E-03	4.62E-04	1.09E-02
4426	494363.09	3857877.25	0.22486	0.12773	0.7824	0.14914	9.09E-04	3.81E-03	4.99E-03	4.71E-04	1.02E-02	8.27E-04	4.12E-09	6.65E-05	1.28E-05	9.06E-04	1.05E-03	3.81E-03	4.99E-03	4.71E-04	1.03E-02
4427	494863.09	3857877.25	0.1852	0.11178	0.6817	0.14455	7.49E-04	3.33E-03	4.35E-03	4.56E-04	8.89E-03	6.81E-04	3.60E-09	5.80E-05	1.24E-05	7.51E-04	8.66E-04	3.33E-03	4.35E-03	4.56E-04	9.01E-03
4428	495363.09	3857877.25	0.17246	0.1068	0.6332	0.13996	6.97E-04	3.19E-03	4.04E-03	4.42E-04	8.36E-03	6.34E-04	3.44E-09	5.38E-05	1.21E-05	7.00E-04	8.07E-04	3.19E-03	4.04E-03	4.42E-04	8.47E-03
4429	495863.09	3857877.25	0.16052	0.10007	0.5928	0.13673	6.49E-04	2.99E-03	3.78E-03	4.32E-04	7.85E-03	5.90E-04	3.23E-09	5.04E-05	1.18E-05	6.52E-04	7.51E-04	2.99E-03	3.78E-03	4.32E-04	7.95E-03
4430	496363.09	3857877.25	0.16182	0.09932	0.5695	0.13781	6.54E-04	2.96E-03	3.63E-03	4.35E-04	7.69E-03	5.95E-04	3.20E-09	4.84E-05	1.19E-05	6.55E-04	7.57E-04	2.96E-03	3.63E-03	4.35E-04	7.79E-03
4431	496863.09	3857877.25	0.15867	0.10078	0.5542	0.1365	6.41E-04	3.01E-03	3.54E-03	4.31E-04	7.61E-03	5.83E-04	3.25E-09	4.71E-05	1.18E-05	6.42E-04	7.42E-04	3.01E-03	3.54E-03	4.31E-04	7.71E-03
4432	497363.09	3857877.25	0.15819	0.10002	0.5662	0.13589	6.39E-04	2.98E-03	3.61E-03	4.29E-04	7.66E-03	5.82E-04	3.22E-09	4.82E-05	1.17E-05	6.41E-04	7.40E-04	2.98E-03	3.61E-03	4.29E-04	7.76E-03
4433	497863.09	3857877.25	0.18634	0.11291	0.6425	0.13846	7.53E-04	3.37E-03	4.10E-03	4.37E-04	8.66E-03	6.85E-04	3.64E-09	5.46E-05	1.19E-05	7.52E-04	8.71E-04	3.37E-03	4.10E-03	4.37E-04	8.78E-03
4434	498363.09	3857877.25	0.23769	0.12702	0.699	0.15218	9.61E-04	3.79E-03	4.46E-03	4.80E-04	9.69E-03	8.74E-04	4.09E-09	5.94E-05	1.31E-05	9.46E-04	1.11E-03	3.79E-03	4.46E-03	4.80E-04	9.84E-03
4435	471363.09	3858377.25	0.20768	0.1235	0.2811	0.12983	8.39E-04	3.68E-03	1.79E-03	4.10E-04	6.73E-03	7.64E-04	3.98E-09	2.39E-05	1.12E-05	7.99E-04	9.71E-04	3.68E-03	1.79E-03	4.10E-04	6.86E-03
4436	471863.09	3858377.25	0.21754	0.12365	0.2875	0.14097	8.79E-04	3.69E-03	1.83E-03	4.45E-04	6.85E-03	8.00E-04	3.99E-09	2.44E-05	1.21E-05	8.36E-04	1.02E-03	3.69E-03	1.83E-03	4.45E-04	6.98E-03
4437	472363.09	3858377.25	0.22193	0.12309	0.2914	0.14431	8.97E-04	3.67E-03	1.86E-03	4.56E-04	6.88E-03	8.16E-04	3.97E-09	2.48E-05	1.24E-05	8.53E-04	1.04E-03	3.67E-03	1.86E-03	4.56E-04	7.02E-03
4438	472863.09	3858377.25	0.2385	0.13054	0.2971	0.14541	9.64E-04	3.89E-03	1.90E-03	4.59E-04	7.21E-03	8.77E-04	4.21E-09	2.53E-05	1.25E-05	9.15E-04	1.12E-03	3.89E-03	1.90E-03	4.59E-04	7.36E-03
4439	473363.09	3858377.25	0.25939	0.15841	0.3113	0.14723	1.05E-03	4.73E-03	1.99E-03	4.65E-04	8.22E-03	9.54E-04	5.11E-09	2.65E-05	1.27E-05	9.93E-04	1.21E-03	4.73E-03	1.99E-03	4.65E-04	8.39E-03
4440	473863.09	3858377.25	0.26551	0.14938	0.3194	0.14562	1.07E-03	4.46E-03	2.04E-03	4.60E-04	8.03E-03	9.76E-04	4.81E-09	2.72E-05	1.25E-05	1.02E-03	1.24E-03	4.46E-03	2.04E-03	4.60E-04	8.20E-03
4441	474363.09	3858377.25	0.24791	0.09933	0.3275	0.14143	1.00E-03	2.96E-03	2.09E-03	4.47E-04	6.50E-03	9.11E-04	3.20E-09	2.79E-05	1.22E-05	9.51E-04	1.16E-03	2.96E-03	2.09E-03	4.47E-04	6.66E-03
4442	474863.09	3858377.25	0.17781	0.07469	0.3312	0.13846	7.19E-04	2.23E-03	2.11E-03	4.37E-04	5.50E-03	6.54E-04	2.41E-09	2.82E-05	1.19E-05	6.94E-04	8.32E-04	2.23E-03	2.11E-03	4.37E-04	5.61E-03
4443	475363.09	3858377.25	0.12061	0.05555	0.3137	0.09902	4.88E-04	1.66E-03	2.00E-03	3.13E-04	4.46E-03	4.43E-04	1.79E-09	2.67E-05	8.53E-06	4.79E-04	5.64E-04	1.66E-03	2.00E-03	3.13E-04	4.54E-03
4444	475863.09	3858377.25	0.09533	0.05001	0.3033	0.10378	3.85E-04	1.49E-03	1.93E-03	3.28E-04	4.14E-03	3.50E-04	1.61E-09	2.58E-05	8.94E-06	3.85E-04	4.46E-04	1.49E-03	1.93E-03	3.28E-04	4.20E-03
4445	476363.09	3858377.25	0.10362	0.05381	0.3141	0.10925	4.19E-04	1.61E-03	2.00E-03	3.45E-04	4.37E-03	3.81E-04	1.73E-09	2.67E-05	9.41E-06	4.17E-04	4.85E-04	1.61E-03	2.00E-03	3.45E-04	4.44E-03
4446	476863.09	3858377.25	0.11087	0.05708	0.3246	0.11159	4.48E-04	1.70E-03	2.07E-03	3.52E-04	4.57E-03	4.08E-04	1.84E-09	2.76E-05	9.61E-06	4.45E-04	5.18E-04	1.70E-03	2.07E-03	3.52E-04	4.64E-03
4447	477363.09	3858377.25	0.10279	0.05842	0.3353	0.12172	4.15E-04	1.74E-03	2.14E-03	3.84E-04	4.68E-03	3.78E-04	1.88E-09	2.85E-05	1.05E-05	4.17E-04	4.81E-04	1.74E-03	2.14E-03	3.84E-04	4.75E-03
4448	477863.09	3858377.25	0.13553	0.06756	0.3485	0.12936	5.48E-04	2.02E-03	2.22E-03	4.08E-04	5.19E-03	4.98E-04	2.18E-09	2.96E-05	1.11E-05	5.39E-04	6.34E-04	2.02E-03	2.22E-03	4.08E-04	5.28E-03
4449	478363.09	3858377.25	0.14205	0.07077	0.3562	0.13599	5.74E-04	2.11E-03	2.27E-03	4.29E-04	5.39E-03	5.22E-04	2.28E-09	3.03E-05	1.17E-05	5.64E-04	6.64E-04	2.11E-03	2.27E-03	4.29E-04	5.48E-03

4450	478863.09	3858377.25	0.10225	0.06784	0.3272	0.13461	4.13E-04	2.02E-03	2.09E-03	4.25E-04	4.95E-03	3.76E-04	2.19E-09	2.78E-05	1.16E-05	4.15E-04	4.78E-04	2.02E-03	2.09E-03	4.25E-04	5.01E-03
4451	479363.09	3858377.25	0.36333	0.12285	0.4415	0.22585	1.47E-03	3.67E-03	2.82E-03	7.13E-04	8.66E-03	1.34E-03	3.96E-09	3.76E-05	1.94E-05	1.39E-03	1.70E-03	3.67E-03	2.82E-03	7.13E-04	8.89E-03
4452	479863.09	3858377.25	0.66509	0.28034	0.4587	0.25349	2.69E-03	8.36E-03	2.93E-03	8.00E-04	1.48E-02	2.45E-03	9.04E-09	3.90E-05	2.18E-05	2.51E-03	3.11E-03	8.36E-03	2.93E-03	8.00E-04	1.52E-02
4453	480363.09	3858377.25	0.77617	0.39264	0.475	0.25406	3.14E-03	1.17E-02	3.03E-03	8.02E-04	1.87E-02	2.85E-03	1.27E-08	4.04E-05	2.19E-05	2.92E-03	3.63E-03	1.17E-02	3.03E-03	8.02E-04	1.92E-02
4454	480863.09	3858377.25	0.8687	0.45535	0.4907	0.2694	3.51E-03	1.36E-02	3.13E-03	8.51E-04	2.11E-02	3.19E-03	1.47E-08	4.17E-05	2.32E-05	3.26E-03	4.06E-03	1.36E-02	3.13E-03	8.51E-04	2.16E-02
4455	481363.09	3858377.25	0.93859	0.50152	0.5067	0.24797	3.79E-03	1.50E-02	3.23E-03	7.83E-04	2.28E-02	3.45E-03	1.62E-08	4.31E-05	2.14E-05	3.52E-03	4.39E-03	1.50E-02	3.23E-03	7.83E-04	2.34E-02
4456	481863.09	3858377.25	0.98392	0.51654	0.5223	0.28153	3.98E-03	1.54E-02	3.33E-03	8.89E-04	2.36E-02	3.62E-03	1.66E-08	4.44E-05	2.42E-05	3.69E-03	4.60E-03	1.54E-02	3.33E-03	8.89E-04	2.42E-02
4457	482363.09	3858377.25	1.15165	0.65131	0.5675	0.34432	4.66E-03	1.94E-02	3.62E-03	1.09E-03	2.88E-02	4.23E-03	2.10E-08	4.83E-05	2.96E-05	4.31E-03	5.39E-03	1.94E-02	3.62E-03	1.09E-03	2.95E-02
4458	482863.09	3858377.25	1.206	0.9979	0.6361	0.29999	4.87E-03	2.98E-02	4.06E-03	9.47E-04	3.96E-02	4.43E-03	3.22E-08	5.41E-05	2.58E-05	4.51E-03	5.64E-03	2.98E-02	4.06E-03	9.47E-04	4.04E-02
4459	483363.09	3858377.25	1.19449	1.26918	0.6999	0.2756	4.83E-03	3.79E-02	4.46E-03	8.70E-04	4.80E-02	4.39E-03	4.09E-08	5.95E-05	2.37E-05	4.47E-03	5.59E-03	3.79E-02	4.46E-03	8.70E-04	4.88E-02
4460	483863.09	3858377.25	1.3879	1.38837	0.767	0.22614	5.61E-03	4.14E-02	4.89E-03	7.14E-04	5.26E-02	5.10E-03	4.47E-08	6.52E-05	1.95E-05	5.19E-03	6.49E-03	4.14E-02	4.89E-03	7.14E-04	5.35E-02
4461	484363.09	3858377.25	1.39563	1.45591	0.7968	0.25645	5.64E-03	4.34E-02	5.08E-03	8.10E-04	5.50E-02	5.13E-03	4.69E-08	6.78E-05	2.21E-05	5.22E-03	6.53E-03	4.34E-02	5.08E-03	8.10E-04	5.59E-02
4462	484863.09	3858377.25	1.3635	1.78762	0.8497	0.23302	5.51E-03	5.33E-02	5.42E-03	7.36E-04	6.50E-02	5.01E-03	5.76E-08	7.23E-05	2.01E-05	5.11E-03	6.38E-03	5.33E-02	5.42E-03	7.36E-04	6.59E-02
4463	485363.09	3858377.25	1.24595	2.2181	1.0065	0.26191	5.04E-03	6.62E-02	6.42E-03	8.27E-04	7.85E-02	4.58E-03	7.15E-08	8.56E-05	2.26E-05	4.69E-03	5.83E-03	6.62E-02	6.42E-03	8.27E-04	7.92E-02
4464	485863.09	3858377.25	1.34105	3.38341	0.9516	0.2834	5.42E-03	1.01E-01	6.07E-03	8.95E-04	1.13E-01	4.93E-03	1.09E-07	8.09E-05	2.44E-05	5.04E-03	6.27E-03	1.01E-01	6.07E-03	8.95E-04	1.14E-01
4465	486363.09	3858377.25	1.57941	7.81475	1.1223	1.06918	6.38E-03	2.33E-01	7.16E-03	3.38E-03	2.50E-01	5.81E-03	2.52E-07	9.54E-05	9.21E-05	5.99E-03	7.39E-03	2.33E-01	7.16E-03	3.38E-03	2.51E-01
4466	486863.09	3858377.25	1.76455	8.03109	1.5543	0.72161	7.13E-03	2.40E-01	9.91E-03	2.28E-03	2.59E-01	6.49E-03	2.59E-07	1.32E-04	6.21E-05	6.68E-03	8.25E-03	2.40E-01	9.91E-03	2.28E-03	2.60E-01
4467	487363.09	3858377.25	2.04017	4.46411	1.5126	0.39296	8.25E-03	1.33E-01	9.65E-03	1.24E-03	1.52E-01	7.50E-03	1.44E-07	1.29E-04	3.38E-05	7.66E-03	9.54E-03	1.33E-01	9.65E-03	1.24E-03	1.54E-01
4468	487863.09	3858377.25	2.3568	3.12252	1.2065	0.61336	9.53E-03	9.32E-02	7.70E-03	1.94E-03	1.12E-01	8.66E-03	1.01E-07	1.03E-04	5.28E-05	8.82E-03	1.10E-02	9.32E-02	7.70E-03	1.94E-03	1.14E-01
4469	488363.09	3858377.25	2.23577	2.17708	3.2118	0.36587	9.04E-03	6.49E-02	2.05E-02	1.16E-03	9.56E-02	8.22E-03	7.02E-08	2.73E-04	3.15E-05	8.52E-03	1.05E-02	6.49E-02	2.05E-02	1.16E-03	9.70E-02
4470	488863.09	3858377.25	1.81574	1.82259	4.2691	0.38849	7.34E-03	5.44E-02	2.72E-02	1.23E-03	9.02E-02	6.68E-03	5.87E-08	3.63E-04	3.35E-05	7.07E-03	8.49E-03	5.44E-02	2.72E-02	1.23E-03	9.13E-02
4471	489363.09	3858377.25	1.61615	1.616	2.622	0.30018	6.53E-03	4.82E-02	1.67E-02	9.48E-04	7.24E-02	5.94E-03	5.21E-08	2.23E-04	2.58E-05	6.19E-03	7.56E-03	4.82E-02	1.67E-02	9.48E-04	7.34E-02
4472	489863.09	3858377.25	1.79232	1.38145	2.2123	0.29174	7.24E-03	4.12E-02	1.41E-02	9.21E-04	6.35E-02	6.59E-03	4.45E-08	1.88E-04	2.51E-05	6.80E-03	8.38E-03	4.12E-02	1.41E-02	9.21E-04	6.46E-02
4473	490363.09	3858377.25	1.66752	1.20372	1.8362	0.2521	6.74E-03	3.59E-02	1.17E-02	7.96E-04	5.52E-02	6.13E-03	3.88E-08	1.56E-04	2.17E-05	6.31E-03	7.80E-03	3.59E-02	1.17E-02	7.96E-04	5.62E-02
4474	490863.09	3858377.25	1.33057	1.05112	1.6826	0.25578	5.38E-03	3.14E-02	1.07E-02	8.08E-04	4.83E-02	4.89E-03	3.39E-08	1.43E-04	2.20E-05	5.06E-03	6.22E-03	3.14E-02	1.07E-02	8.08E-04	4.91E-02
4475	491363.09	3858377.25	1.13384	0.74829	1.7573	0.34351	4.58E-03	2.23E-02	1.12E-02	1.08E-03	3.92E-02	4.17E-03	2.41E-08	1.49E-04	2.96E-05	4.35E-03	5.30E-03	2.23E-02	1.12E-02	1.08E-03	3.99E-02
4476	491863.09	3858377.25	0.88691	0.4078	3.3824	0.52446	3.59E-03	1.22E-02	2.16E-02	1.66E-03	3.90E-02	3.26E-03	1.31E-08	2.88E-04	4.52E-05	3.59E-03	4.15E-03	1.22E-02	2.16E-02	1.66E-03	3.95E-02
4477	492363.09	3858377.25	0.40936	0.23786	1.4771	0.21323	1.65E-03	7.10E-03	9.42E-03	6.73E-04	1.88E-02	1.51E-03	7.67E-09	1.26E-04	1.84E-05	1.65E-03	1.91E-03	7.10E-03	9.42E-03	6.73E-04	1.91E-02
4478	492863.09	3858377.25	0.50784	0.24304	1.7724	0.215	2.05E-03	7.25E-03	1.13E-02	6.79E-04	2.13E-02	1.87E-03	7.83E-09	1.51E-04	1.85E-05	2.04E-03	2.37E-03	7.25E-03	1.13E-02	6.79E-04	2.16E-02
4479	493363.09	3858377.25	0.38153	0.20722	1.1904	0.17652	1.54E-03	6.18E-03	7.59E-03	5.57E-04	1.59E-02	1.40E-03	6.68E-09	1.01E-04	1.52E-05	1.52E-03	1.78E-03	6.18E-03	7.59E-03	5.57E-04	1.61E-02
4480	493863.09	3858377.25	0.33356	0.18918	1.0212	0.17095	1.35E-03	5.64E-03	6.51E-03	5.40E-04	1.40E-02	1.23E-03	6.10E-09	8.68E-05	1.47E-05	1.33E-03	1.56E-03	5.64E-03	6.51E-03	5.40E-04	1.43E-02
4481	494363.09	3858377.25	0.26827	0.1642	0.8188	0.16769	1.08E-03	4.90E-03	5.22E-03	5.29E-04	1.17E-02	9.86E-04	5.29E-09	6.96E-05	1.44E-05	1.07E-03	1.25E-03	4.90E-03	5.22E-03	5.29E-04	1.19E-02
4482	494863.09	3858377.25	0.22419	0.14339	0.7282	0.16377	9.06E-04	4.28E-03	4.64E-03	5.17E-04	1.03E-02	8.24E-04	4.62E-09	6.19E-05	1.41E-05	9.00E-04	1.05E-03	4.28E-03	4.64E-03	5.17E-04	1.05E-02
4483	495363.09	3858377.25	0.19581	0.12842	0.6502	0.1516	7.92E-04	3.83E-03	4.15E-03	4.79E-04	9.25E-03	7.20E-04	4.14E-09	5.53E-05	1.31E-05	7.88E-04	9.16E-04	3.83E-03	4.15E-03	4.79E-04	9.37E-03
4484	495863.09	3858377.25	0.20072	0.12455	0.6277	0.15052	8.11E-04	3.72E-03	4.00E-03	4.75E-04	9.01E-03	7.38E-04	4.01E-09	5.34E-05	1.30E-05	8.04E-04	9.39E-04	3.72E-03	4.00E-03	4.75E-04	9.13E-03
4485	496363.09	3858377.25	0.20318	0.1195	0.6014	0.14598	8.21E-04	3.57E-03	3.84E-03	4.61E-04	8.68E-03	7.47E-04	3.85E-09	5.11E-05	1.26E-05	8.11E-04	9.50E-04	3.57E-03	3.84E-03	4.61E-04	8.81E-03
4486	496863.09	3858377.25	0.21911	0.12135	0.6342	0.14166	8.86E-04	3.62E-03	4.05E-03	4.47E-04	9.00E-03	8.06E-04	3.91E-09	5.39E-05	1.22E-05	8.72E-04	1.02E-03	3.62E-03	4.05E-03	4.47E-04	9.14E-03
4487	497363.09	3858377.25	0.22243	0.12172	0.6355	0.14289	8.99E-04	3.63E-03	4.05E-03	4.51E-04	9.04E-03	8.18E-04	3.92E-09	5.40E-05	1.23E-05	8.84E-04	1.04E-03	3.63E-03	4.05E-03	4.51E-04	9.18E-03
4488	497863.09	3858377.25	0.28344	0.13385	0.6764	0.15711	1.15E-03	3.99E-03	4.31E-03	4.96E-04	9.95E-03	1.04E-03	4.31E-09	5.75E-05	1.35E-05	1.11E-03	1.33E-03	3.99E-03	4.31E-03	4.96E-04	1.01E-02
4489	498363.09	3858377.25	0.39222	0.16978	0.8645	0.16467	1.59E-03	5.07E-03	5.51E-03	5.20E-04	1.27E-02	1.44E-03	5.47E-09	7.35E-05	1.42E-05	1.53E-03	1.83E-03	5.07E-03	5.51E-03	5.20E-04	1.29E-02
4490	471363.09	3858877.25	0.21996	0.12278	0.2066	0.12725	8.89E-04	3.66E-03	1.32E-03	4.02E-04	6.27E-03	8.09E-04	3.96E-09	1.76E-05	1.10E-05	8.37E-04	1.03E-03	3.66E-03	1.32E-03	4.02E-04	6.41E-03
4491	471863.09	3858877.25	0.21949	0.12258	0.2093	0.12983	8.87E-04	3.66E-03	1.34E-03	4.10E-04	6.29E-03	8.07E-04	3.95E-09	1.78E-05	1.12E-05	8.36E-04	1.03E-03	3.66E-03	1.34E-03	4.10E-04	6.43E-03
4492	472363.09	3858877.25	0.2287	0.13361	0.2126	0.13263	9.24E-04	3.99E-03	1.36E-03	4.19E-04	6.69E-03	8.41E-04	4.31E-09	1.81E-05	1.14E-05	8.70E-04	1.07E-03	3.99E-03	1.36E-03	4.19E-04	6.83E-03
4493	472863.09	3858877.25	0.2362	0.13992	0.2157	0.14239	9.55E-04	4.17E-03	1.38E-03	4.50E-04	6.95E-03	8.68E-04	4.51E-09	1.83E-05	1.23E-05	8.99E-04	1.10E-03	4.17E-03	1.38E-03	4.50E-04	7.10E-03
4494	473363.09	3858877.25	0.24639	0.153	0.2193	0.14654	9.96E-04	4.56E-03	1.40E-03	4.63E-04	7.42E-03	9.06E-04	4.93E-09	1.86E-05	1.26E-05	9.37E-04	1.15E-03	4.56E-03	1.40E-03	4.63E-04	7.58E-03
4495	473863.09	3858877.25	0.25175	0.14588	0.2215	0.14816	1.02E-03	4.35E-03	1.41E-03	4.68E-04	7.25E-03	9.26E-04	4.70E-09	1.88E-05	1.28E-05	9.57E-04	1.18E-03	4.35E-03	1.41E-03	4.68E-04	7.41E-03
4496	474363.09	3858877.25	0.24517	0.12055	0.2724	0.16877	9.91E-04	3.60E-03	1.74E-03	5.33E-04	6.86E-03	9.01E-04	3.89E-09	2.32E-05	1.45E-05	9.39E-04	1.15E-03	3.60E-03	1.74E-03	5.33E-04	7.01E-03
4497	474863.09	3858877.25	0.12683	0.0576	0.2213	0.10724	5.13E-04	1.72E-03	1.41E-03	3.39E-04	3.98E-03	4.66E-04	1.86E-09	1.88E-05	9.23E-06	4.94E-04	5.93E-04	1.72E-03	1.41E-03	3.39E-04	4.06E-03
4498	475363.09	3858877.25	0.09057	0.04912	0.1885	0.10167	3.66E-04	1.47E-03	1.20E-03	3.21E-04	3.35E-03	3.33E-04	1.58E-09	1.60E-05	8.75E-06	3.58E-04	4.24E-04	1.47E-03	1.20E-03	3.21E-04	3.41E-03
4499	475863.09	3858877.25	0.10219	0.05445	0.1965	0.10967	4.13E-04	1.62E-03	1.25E-03	3.46E-04	3.64E-03	3.76E-04	1.75E-09	1.67E-05	9.44E-06	4.02E-04	4.78E-04	1.62E-03	1.25E-03	3.46E-04	3.70E-03
4500	476363.09	3858877.25	0.07505	0.04565	0.2133	0.10431	3.03E-04	1.36E-03	1.36E-03	3.29E-04	3.36E-03	2.76E-04	1.47E-09	1.81E-05	8.98E-06	3.03E-04	3.51E-04	1.36E-03	1.36E-03	3.29E-04	3.40E-03
4501	476863.09	3858877.25	0.08844	0.05428	0.2333	0.10741	3.57E-04	1.62E-03	1.49E-03	3.39E-04	3.80E-03	3.25E-04	1.75E-09	1.98E-05	9.25E-06	3.54E-04	4.14E-04	1.62E-03	1.49E-03	3.39E-04	3.86E-03
4502	477363.09	3858877.25	0.09558	0.05583	0.2469	0.11652	3.86E-04	1.67E-03	1.57E-03	3.68E-04	3.99E-03	3.51E-04	1.80E-09	2.10E-05	1.00E-05	3.82E-04	4.47E-04	1.67E-03	1.57E-03	3.68E-04	4.06E-03
4503	477863.09	3858877.25	0.09945	0.05904	0.2805	0.12226	4.02E-04	1.76E-03	1.79E-03	3.86E-04	4.34E-03	3.66E-04	1.90E-09	2.39E-05	1.05E-05	4.00E-04	4.65E-04	1.76E-03	1.79E-03	3.86E-04	4.40E-03
4504	478363.09	3858877.25	0.22581	0.09376	0.3139	0.16478	9.13E-04	2.80E-03	2.00E-03	5.20E-04	6.23E-03	8.30E-04	3.02E-09	2.67E-05	1.42E-05	8.71E-04	1.06E-03	2.80E-03	2.00E-03	5.20E-04	6.38E-03
4505	478863.09	3858877.25	0.18639	0.08633	0.3417	0.15033	7.53E-04	2.58E-03	2.18E-03	4.75E-04	5.98E-03	6.85E-04	2.78E-09	2.91E-05	1.29E-05	7.27E-04	8.72E-04	2.58E-03	2.18E-03	4.75E-04	6.10E-03
4506	479363.09	3858877.25	0.1594	0.07162	0.2908	0.14806	6.44E-04	2.14E-03	1.86E-03	4.67E-04	5.10E-03	5.86E-04	2.31E-09	2.47E-05	1.27E-05	6.24E-04	7.45E-04	2.14E-03	1.86E-03	4.67E-04	5.20E-03
4507	479863.09	3858877.25	0.67414	0.35111	0.4194	0.27976	2.73E-03	1.05E-02	2.67E-03	8.83E-04	1.68E-02	2.48E-03	1.13E-08	3.57E-05	2.41E-05	2.54E-03	3.15E-03	1.05E-02	2.67E-03	8.83E-04	1.72E-02
4508	480363.09	3858877.25	0.7037	0.45838	0.4633	0.19203	2.84E-03	1.37E-02	2.96E-03	6.06E-04	2.01E-02	2.59E-03	1.48E-08	3.94E-05	1.65E-05	2.64E-03	3.29E-03	1.37E-02	2.96E-03	6.06E-04	2.05E-02
4509	480863.09	3858877.25	0.76063	0.54175	0.4232	0.19298	3.07E-03	1.62E-02	2.70E-03	6.09E-04	2.25E-02	2.80E-03	1.75E-08	3.60E-05	1.66E-05	2.85E-03	3.56E-03	1.62E-02	2.70E-03	6.09E-04	2.30E-02
4510	481363.09	3858877.25	0.79298	0.59299	0.4281	0.21804	3.21E-03	1.77E-02	2.73E-03	6.88E-04	2.43E-02	2.92E-03	1.91E-08	3.64E-05	1.88E-05	2.97E-03	3.71E-03	1.77E-02	2.73E-03	6.88E-04	2.48E-02

4511	481863.09	3858877.25	0.9293	0.63521	0.3791	0.24368	3.76E-03	1.90E-02	2.42E-03	7.69E-04	2.59E-02	3.42E-03	2.05E-08	3.22E-05	2.10E-05	3.47E-03	4.35E-03	1.90E-02	2.42E-03	7.69E-04	2.65E-02
4512	482363.09	3858877.25	1.00593	0.62444	0.4253	0.2433	4.07E-03	1.86E-02	2.71E-03	7.68E-04	2.62E-02	3.70E-03	2.01E-08	3.62E-05	2.10E-05	3.76E-03	4.70E-03	1.86E-02	2.71E-03	7.68E-04	2.68E-02
4513	482863.09	3858877.25	1.04902	0.71968	0.5473	0.21119	4.24E-03	2.15E-02	3.49E-03	6.67E-04	2.99E-02	3.86E-03	2.32E-08	4.65E-05	1.82E-05	3.92E-03	4.91E-03	2.15E-02	3.49E-03	6.67E-04	3.05E-02
4514	483363.09	3858877.25	1.06358	1.06963	0.7595	0.24498	4.30E-03	3.19E-02	4.84E-03	7.73E-04	4.18E-02	3.91E-03	3.45E-08	6.46E-05	2.11E-05	4.00E-03	4.97E-03	3.19E-02	4.84E-03	7.73E-04	4.25E-02
4515	483863.09	3858877.25	1.11986	1.16807	0.8813	0.25496	4.53E-03	3.48E-02	5.62E-03	8.05E-04	4.58E-02	4.12E-03	3.76E-08	7.50E-05	2.20E-05	4.21E-03	5.24E-03	3.48E-02	5.62E-03	8.05E-04	4.65E-02
4516	484363.09	3858877.25	1.05686	1.32306	0.9897	0.2797	4.27E-03	3.95E-02	6.31E-03	8.83E-04	5.09E-02	3.89E-03	4.26E-08	8.42E-05	2.41E-05	3.99E-03	4.94E-03	3.95E-02	6.31E-03	8.83E-04	5.16E-02
4517	484863.09	3858877.25	1.00165	1.69749	1.0271	0.24456	4.05E-03	5.06E-02	6.55E-03	7.72E-04	6.20E-02	3.68E-03	5.47E-08	8.74E-05	2.11E-05	3.79E-03	4.68E-03	5.06E-02	6.55E-03	7.72E-04	6.26E-02
4518	485363.09	3858877.25	0.92553	2.35346	1.2168	0.31427	3.74E-03	7.02E-02	7.76E-03	9.92E-04	8.27E-02	3.40E-03	7.59E-08	1.03E-04	2.71E-05	3.53E-03	4.33E-03	7.02E-02	7.76E-03	9.92E-04	8.33E-02
4519	485863.09	3858877.25	1.06081	3.7571	1.2442	0.41699	4.29E-03	1.12E-01	7.94E-03	1.32E-03	1.26E-01	3.90E-03	1.21E-07	1.06E-04	3.59E-05	4.04E-03	4.96E-03	1.12E-01	7.94E-03	1.32E-03	1.26E-01
4520	486363.09	3858877.25	1.04457	8.35658	1.2595	0.28825	4.22E-03	2.49E-01	8.03E-03	9.10E-04	2.62E-01	3.84E-03	2.69E-07	1.07E-04	2.48E-05	3.97E-03	4.89E-03	2.49E-01	8.03E-03	9.10E-04	2.63E-01
4521	486863.09	3858877.25	1.32494	8.46183	1.1326	0.45875	5.36E-03	2.52E-01	7.22E-03	1.45E-03	2.66E-01	4.87E-03	2.73E-07	9.63E-05	3.95E-05	5.01E-03	6.20E-03	2.52E-01	7.22E-03	1.45E-03	2.67E-01
4522	487363.09	3858877.25	1.50326	8.05713	0.9047	0.67567	6.08E-03	2.40E-01	5.77E-03	2.13E-03	2.54E-01	5.53E-03	2.60E-07	7.69E-05	5.82E-05	5.66E-03	7.03E-03	2.40E-01	5.77E-03	2.13E-03	2.55E-01
4523	487863.09	3858877.25	1.68956	5.03371	0.6282	0.51761	6.83E-03	1.50E-01	4.01E-03	1.63E-03	1.63E-01	6.21E-03	1.62E-07	5.34E-05	4.46E-05	6.31E-03	7.90E-03	1.50E-01	4.01E-03	1.63E-03	1.64E-01
4524	488363.09	3858877.25	1.71938	6.91169	0.4951	0.46763	6.95E-03	2.06E-01	3.16E-03	1.48E-03	2.18E-01	6.32E-03	2.23E-07	4.21E-05	4.03E-05	6.40E-03	8.04E-03	2.06E-01	3.16E-03	1.48E-03	2.19E-01
4525	488863.09	3858877.25	1.76958	4.00723	1.4424	0.40281	7.15E-03	1.20E-01	9.20E-03	1.27E-03	1.37E-01	6.51E-03	1.29E-07	1.23E-04	3.47E-05	6.66E-03	8.28E-03	1.20E-01	9.20E-03	1.27E-03	1.38E-01
4526	489363.09	3858877.25	1.30178	2.61989	1.6077	0.35145	5.26E-03	7.82E-02	1.03E-02	1.11E-03	9.48E-02	4.79E-03	8.44E-08	1.37E-04	3.03E-05	4.95E-03	6.09E-03	7.82E-02	1.03E-02	1.11E-03	9.56E-02
4527	489863.09	3858877.25	1.23814	2.00523	1.5837	0.30898	5.00E-03	5.98E-02	1.01E-02	9.76E-04	7.59E-02	4.55E-03	6.46E-08	1.35E-04	2.66E-05	4.71E-03	5.79E-03	5.98E-02	1.01E-02	9.76E-04	7.67E-02
4528	490363.09	3858877.25	1.25939	1.48167	1.3345	0.26991	5.09E-03	4.42E-02	8.51E-03	8.52E-04	5.87E-02	4.63E-03	4.78E-08	1.13E-04	2.32E-05	4.77E-03	5.89E-03	4.42E-02	8.51E-03	8.52E-04	5.95E-02
4529	490863.09	3858877.25	1.40635	0.9996	1.4508	0.31611	5.68E-03	2.98E-02	9.25E-03	9.98E-04	4.58E-02	5.17E-03	3.22E-08	1.23E-04	2.72E-05	5.32E-03	6.58E-03	2.98E-02	9.25E-03	9.98E-04	4.67E-02
4530	491363.09	3858877.25	1.27407	0.55457	3.1647	0.40016	5.15E-03	1.65E-02	2.02E-02	1.26E-03	4.31E-02	4.68E-03	1.79E-08	2.69E-04	3.45E-05	4.99E-03	5.96E-03	1.65E-02	2.02E-02	1.26E-03	4.40E-02
4531	491863.09	3858877.25	0.75729	0.34356	3.0371	0.28418	3.06E-03	1.02E-02	1.94E-02	8.97E-04	3.36E-02	2.78E-03	1.11E-08	2.58E-04	2.45E-05	3.07E-03	3.54E-03	1.02E-02	1.94E-02	8.97E-04	3.41E-02
4532	492363.09	3858877.25	0.8323	0.38327	2.3259	0.40865	3.36E-03	1.14E-02	1.48E-02	1.29E-03	3.09E-02	3.06E-03	1.24E-08	1.98E-04	3.52E-05	3.29E-03	3.89E-03	1.14E-02	1.48E-02	1.29E-03	3.15E-02
4533	492863.09	3858877.25	0.79392	0.45086	1.6956	0.34514	3.21E-03	1.35E-02	1.08E-02	1.09E-03	2.86E-02	2.92E-03	1.45E-08	1.44E-04	2.97E-05	3.09E-03	3.71E-03	1.35E-02	1.08E-02	1.09E-03	2.91E-02
4534	493363.09	3858877.25	0.67052	0.36698	1.91	0.34393	2.71E-03	1.09E-02	1.22E-02	1.09E-03	2.69E-02	2.47E-03	1.18E-08	1.62E-04	2.96E-05	2.66E-03	3.14E-03	1.09E-02	1.22E-02	1.09E-03	2.74E-02
4535	493863.09	3858877.25	0.50323	0.26852	1.8289	0.23855	2.03E-03	8.01E-03	1.17E-02	7.53E-04	2.25E-02	1.85E-03	8.65E-09	1.56E-04	2.05E-05	2.03E-03	2.35E-03	8.01E-03	1.17E-02	7.53E-04	2.28E-02
4536	494363.09	3858877.25	0.47052	0.24003	1.9334	0.22059	1.90E-03	7.16E-03	1.23E-02	6.96E-04	2.21E-02	1.73E-03	7.74E-09	1.64E-04	1.90E-05	1.91E-03	2.20E-03	7.16E-03	1.23E-02	6.96E-04	2.24E-02
4537	494863.09	3858877.25	0.39504	0.21395	1.2746	0.19192	1.60E-03	6.38E-03	8.13E-03	6.06E-04	1.67E-02	1.45E-03	6.90E-09	1.08E-04	1.65E-05	1.58E-03	1.85E-03	6.38E-03	8.13E-03	6.06E-04	1.70E-02
4538	495363.09	3858877.25	0.3193	0.1872	1.0165	0.17815	1.29E-03	5.58E-03	6.48E-03	5.62E-04	1.39E-02	1.17E-03	6.03E-09	8.64E-05	1.53E-05	1.28E-03	1.49E-03	5.58E-03	6.48E-03	5.62E-04	1.41E-02
4539	495863.09	3858877.25	0.29423	0.17269	0.8679	0.1732	1.19E-03	5.15E-03	5.54E-03	5.47E-04	1.24E-02	1.08E-03	5.57E-09	7.38E-05	1.49E-05	1.17E-03	1.38E-03	5.15E-03	5.54E-03	5.47E-04	1.26E-02
4540	496363.09	3858877.25	0.26476	0.16751	0.815	0.17105	1.07E-03	5.00E-03	5.20E-03	5.40E-04	1.18E-02	9.73E-04	5.40E-09	6.93E-05	1.47E-05	1.06E-03	1.24E-03	5.00E-03	5.20E-03	5.40E-04	1.20E-02
4541	496863.09	3858877.25	0.25381	0.16428	0.8233	0.16766	1.03E-03	4.90E-03	5.25E-03	5.29E-04	1.17E-02	9.33E-04	5.29E-09	7.00E-05	1.44E-05	1.02E-03	1.19E-03	4.90E-03	5.25E-03	5.29E-04	1.19E-02
4542	497363.09	3858877.25	0.25928	0.16568	0.8238	0.16342	1.05E-03	4.94E-03	5.25E-03	5.16E-04	1.18E-02	9.53E-04	5.34E-09	7.01E-05	1.41E-05	1.04E-03	1.21E-03	4.94E-03	5.25E-03	5.16E-04	1.19E-02
4543	497863.09	3858877.25	0.3433	0.19522	1.0456	0.1726	1.39E-03	5.82E-03	6.67E-03	5.45E-04	1.44E-02	1.26E-03	6.29E-09	8.89E-05	1.49E-05	1.37E-03	1.61E-03	5.82E-03	6.67E-03	5.45E-04	1.46E-02
4544	498363.09	3858877.25	0.43202	0.24051	1.0296	0.17925	1.75E-03	7.18E-03	6.57E-03	5.66E-04	1.61E-02	1.59E-03	7.75E-09	8.76E-05	1.54E-05	1.69E-03	2.02E-03	7.18E-03	6.57E-03	5.66E-04	1.63E-02
4545	471363.09	3859377.25	0.21444	0.12634	0.1965	0.15596	8.67E-04	3.77E-03	1.25E-03	4.92E-04	6.38E-03	7.88E-04	4.07E-09	1.67E-05	1.34E-05	8.19E-04	1.00E-03	3.77E-03	1.25E-03	4.92E-04	6.52E-03
4546	471863.09	3859377.25	0.22036	0.1277	0.215	0.16036	8.91E-04	3.81E-03	1.37E-03	5.06E-04	6.58E-03	8.10E-04	4.12E-09	1.83E-05	1.38E-05	8.42E-04	1.03E-03	3.81E-03	1.37E-03	5.06E-04	6.72E-03
4547	472363.09	3859377.25	0.22878	0.13923	0.214	0.16052	9.25E-04	4.15E-03	1.37E-03	5.07E-04	6.95E-03	8.41E-04	4.49E-09	1.82E-05	1.38E-05	8.73E-04	1.07E-03	4.15E-03	1.37E-03	5.07E-04	7.10E-03
4548	472863.09	3859377.25	0.23755	0.14742	0.2125	0.13287	9.60E-04	4.40E-03	1.36E-03	4.20E-04	7.13E-03	8.73E-04	4.75E-09	1.81E-05	1.14E-05	9.03E-04	1.11E-03	4.40E-03	1.36E-03	4.20E-04	7.28E-03
4549	473363.09	3859377.25	0.26297	0.16096	0.2105	0.12476	1.06E-03	4.80E-03	1.34E-03	3.94E-04	7.60E-03	9.67E-04	5.19E-09	1.79E-05	1.07E-05	9.95E-04	1.23E-03	4.80E-03	1.34E-03	3.94E-04	7.77E-03
4550	473863.09	3859377.25	0.29848	0.16522	0.2185	0.14206	1.21E-03	4.93E-03	1.39E-03	4.49E-04	7.98E-03	1.10E-03	5.33E-09	1.86E-05	1.22E-05	1.13E-03	1.40E-03	4.93E-03	1.39E-03	4.49E-04	8.17E-03
4551	474363.09	3859377.25	0.28334	0.12854	0.2377	0.15331	1.15E-03	3.83E-03	1.52E-03	4.84E-04	6.98E-03	1.04E-03	4.14E-09	2.02E-05	1.32E-05	1.08E-03	1.33E-03	3.83E-03	1.52E-03	4.84E-04	7.16E-03
4552	474863.09	3859377.25	0.20554	0.08627	0.2539	0.1267	8.31E-04	2.57E-03	1.62E-03	4.00E-04	5.42E-03	7.56E-04	2.78E-09	2.16E-05	1.09E-05	7.88E-04	9.61E-04	2.57E-03	1.62E-03	4.00E-04	5.55E-03
4553	475363.09	3859377.25	0.11856	0.05629	0.1923	0.11429	4.79E-04	1.68E-03	1.23E-03	3.61E-04	3.75E-03	4.36E-04	1.81E-09	1.64E-05	9.84E-06	4.62E-04	5.54E-04	1.68E-03	1.23E-03	3.61E-04	3.82E-03
4554	475863.09	3859377.25	0.08722	0.04847	0.1856	0.10422	3.53E-04	1.45E-03	1.18E-03	3.29E-04	3.31E-03	3.21E-04	1.56E-09	1.58E-05	8.97E-06	3.45E-04	4.08E-04	1.45E-03	1.18E-03	3.29E-04	3.37E-03
4555	476363.09	3859377.25	0.07862	0.04827	0.1788	0.10902	3.18E-04	1.44E-03	1.14E-03	3.44E-04	3.24E-03	2.89E-04	1.56E-09	1.52E-05	9.39E-06	3.14E-04	3.68E-04	1.44E-03	1.14E-03	3.44E-04	3.29E-03
4556	476863.09	3859377.25	0.06122	0.04532	0.1707	0.10621	2.47E-04	1.35E-03	1.09E-03	3.35E-04	3.02E-03	2.25E-04	1.46E-09	1.45E-05	9.15E-06	2.49E-04	2.86E-04	1.35E-03	1.09E-03	3.35E-04	3.06E-03
4557	477363.09	3859377.25	0.06524	0.0492	0.1627	0.10595	2.64E-04	1.47E-03	1.04E-03	3.35E-04	3.10E-03	2.40E-04	1.59E-09	1.38E-05	9.12E-06	2.63E-04	3.05E-04	1.47E-03	1.04E-03	3.35E-04	3.14E-03
4558	477863.09	3859377.25	0.11871	0.06597	0.2363	0.11917	4.80E-04	1.97E-03	1.51E-03	3.76E-04	4.33E-03	4.36E-04	2.13E-09	2.01E-05	1.03E-05	4.67E-04	5.55E-04	1.97E-03	1.51E-03	3.76E-04	4.41E-03
4559	478363.09	3859377.25	0.20298	0.08957	0.2464	0.14234	8.20E-04	2.67E-03	1.57E-03	4.49E-04	5.51E-03	7.46E-04	2.89E-09	2.10E-05	1.23E-05	7.79E-04	9.49E-04	2.67E-03	1.57E-03	4.49E-04	5.64E-03
4560	478863.09	3859377.25	0.36113	0.12821	0.4705	0.23022	1.46E-03	3.82E-03	3.00E-03	7.27E-04	9.01E-03	1.33E-03	4.13E-09	4.00E-05	1.98E-05	1.39E-03	1.69E-03	3.82E-03	3.00E-03	7.27E-04	9.24E-03
4561	479363.09	3859377.25	0.48288	0.19033	0.5102	0.24937	1.95E-03	5.68E-03	3.25E-03	7.87E-04	1.17E-02	1.78E-03	6.13E-09	4.34E-05	2.15E-05	1.84E-03	2.26E-03	5.68E-03	3.25E-03	7.87E-04	1.20E-02
4562	479863.09	3859377.25	0.61167	0.30934	0.5451	0.27854	2.47E-03	9.23E-03	3.48E-03	8.79E-04	1.61E-02	2.25E-03	9.97E-09	4.64E-05	2.40E-05	2.32E-03	2.86E-03	9.23E-03	3.48E-03	8.79E-04	1.64E-02
4563	480363.09	3859377.25	0.63347	0.43422	0.4729	0.22996	2.56E-03	1.30E-02	3.02E-03	7.26E-04	1.93E-02	2.33E-03	1.40E-08	4.02E-05	1.98E-05	2.39E-03	2.96E-03	1.30E-02	3.02E-03	7.26E-04	1.97E-02
4564	480863.09	3859377.25	0.68527	0.47213	0.5533	0.18661	2.77E-03	1.41E-02	3.53E-03	5.89E-04	2.10E-02	2.52E-03	1.52E-08	4.71E-05	1.61E-05	2.58E-03	3.20E-03	1.41E-02	3.53E-03	5.89E-04	2.14E-02
4565	481363.09	3859377.25	0.81143	0.55943	0.6638	0.17796	3.28E-03	1.67E-02	4.23E-03	5.62E-04	2.48E-02	2.98E-03	1.80E-08	5.65E-05	1.53E-05	3.06E-03	3.79E-03	1.67E-02	4.23E-03	5.62E-04	2.53E-02
4566	481863.09	3859377.25	0.86364	0.61669	0.7726	0.19836	3.49E-03	1.84E-02	4.93E-03	6.26E-04	2.74E-02	3.18E-03	1.99E-08	6.57E-05	1.71E-05	3.26E-03	4.04E-03	1.84E-02	4.93E-03	6.26E-04	2.80E-02
4567	482363.09	3859377.25	0.87729	0.6433	0.8888	0.19665	3.55E-03	1.92E-02	5.67E-03	6.21E-04	2.90E-02	3.23E-03	2.07E-08	7.56E-05	1.69E-05	3.32E-03	4.10E-03	1.92E-02	5.67E-03	6.21E-04	2.96E-02
4568	482863.09	3859377.25	0.94518	0.69477	0.9818	0.2098	3.82E-03	2.07E-02	6.26E-03	6.62E-04	3.15E-02	3.47E-03	2.24E-08	8.35E-05	1.81E-05	3.58E-03	4.42E-03	2.07E-02	6.26E-03	6.62E-04	3.21E-02
4569	483363.09	3859377.25	0.94634	0.87913	1.0391	0.18598	3.83E-03	2.62E-02	6.63E-03	5.87E-04	3.73E-02	3.48E-03	2.83E-08	8.84E-05	1.60E-05	3.58E-03	4.43E-03	2.62E-02	6.63E-03	5.87E-04	3.79E-02
4570	483863.09	3859377.25	0.88964	1.0654	0.9606	0.2043	3.60E-03	3.18E-02	6.13E-03	6.45E-04	4.22E-02	3.27E-03	3.43E-08	8.17E-05	1.76E-05	3.37E-03	4.16E-03	3.18E-02	6.13E-03	6.45E-04	4.27E-02
4571	484363.09	3859377.25	0.85705	1.22513	0.9537	0.21386	3.46E-03	3.65E-02	6.08E-03	6.75E-04	4.68E-02	3.15E-03	3.95E-08	8.11E-05	1.84E-05	3.25E-03	4.01E-03	3.65E-02	6.08E-03	6.75E-04	4.73E-02

4572	484863.09	3859377.25	0.81818	1.41904	0.8464	0.20559	3.31E-03	4.23E-02	5.40E-03	6.49E-04	5.17E-02	3.01E-03	4.57E-08	7.20E-05	1.77E-05	3.10E-03	3.83E-03	4.23E-02	5.40E-03	6.49E-04	5.22E-02
4573	485363.09	3859377.25	0.79739	2.0015	1.061	0.29955	3.22E-03	5.97E-02	6.77E-03	9.46E-04	7.06E-02	2.93E-03	6.45E-08	9.02E-05	2.58E-05	3.05E-03	3.73E-03	5.97E-02	6.77E-03	9.46E-04	7.12E-02
4574	485863.09	3859377.25	0.79707	2.81054	1.0857	0.21999	3.22E-03	8.38E-02	6.93E-03	6.95E-04	9.47E-02	2.93E-03	9.06E-08	9.23E-05	1.89E-05	3.04E-03	3.73E-03	8.38E-02	6.93E-03	6.95E-04	9.52E-02
4575	486363.09	3859377.25	0.81135	4.1223	0.9181	0.31086	3.28E-03	1.23E-01	5.86E-03	9.82E-04	1.33E-01	2.98E-03	1.33E-07	7.81E-05	2.68E-05	3.09E-03	3.79E-03	1.23E-01	5.86E-03	9.82E-04	1.34E-01
4576	486863.09	3859377.25	0.94613	7.26095	0.8632	0.32179	3.82E-03	2.17E-01	5.51E-03	1.02E-03	2.27E-01	3.48E-03	2.34E-07	7.34E-05	2.77E-05	3.58E-03	4.42E-03	2.17E-01	5.51E-03	1.02E-03	2.28E-01
4577	487363.09	3859377.25	1.13102	7.03692	0.3851	0.49905	4.57E-03	2.10E-01	2.46E-03	1.58E-03	2.19E-01	4.16E-03	2.27E-07	3.28E-05	4.30E-05	4.23E-03	5.29E-03	2.10E-01	2.46E-03	1.58E-03	2.19E-01
4578	487863.09	3859377.25	1.24669	8.05381	0.4439	0.78139	5.04E-03	2.40E-01	2.83E-03	2.47E-03	2.51E-01	4.58E-03	2.60E-07	3.78E-05	6.73E-05	4.69E-03	5.83E-03	2.40E-01	2.83E-03	2.47E-03	2.51E-01
4579	488363.09	3859377.25	1.19156	8.46416	0.3684	4.76196	4.82E-03	2.53E-01	2.35E-03	1.50E-02	2.75E-01	4.38E-03	2.73E-07	3.13E-05	4.10E-04	4.82E-03	5.57E-03	2.53E-01	2.35E-03	1.50E-02	2.75E-01
4580	488863.09	3859377.25	1.39894	6.12638	0.7645	0.54669	5.65E-03	1.83E-01	4.88E-03	1.73E-03	1.95E-01	5.14E-03	1.97E-07	6.50E-05	4.71E-05	5.26E-03	6.54E-03	1.83E-01	4.88E-03	1.73E-03	1.96E-01
4581	489363.09	3859377.25	1.42486	3.57954	0.9932	0.41966	5.76E-03	1.07E-01	6.34E-03	1.33E-03	1.20E-01	5.24E-03	1.15E-07	8.45E-05	3.61E-05	5.36E-03	6.66E-03	1.07E-01	6.34E-03	1.33E-03	1.21E-01
4582	489863.09	3859377.25	1.1177	2.65077	1.1416	0.33736	4.52E-03	7.91E-02	7.28E-03	1.07E-03	9.19E-02	4.11E-03	8.54E-08	9.71E-05	2.91E-05	4.24E-03	5.23E-03	7.91E-02	7.28E-03	1.07E-03	9.27E-02
4583	490363.09	3859377.25	1.04433	1.95237	1.308	0.31131	4.22E-03	5.82E-02	8.34E-03	9.83E-04	7.18E-02	3.84E-03	6.29E-08	1.11E-04	2.68E-05	3.98E-03	4.88E-03	5.82E-02	8.34E-03	9.83E-04	7.25E-02
4584	490863.09	3859377.25	0.8906	1.23039	1.2056	0.31284	3.60E-03	3.67E-02	7.69E-03	9.88E-04	4.90E-02	3.27E-03	3.97E-08	1.03E-04	2.69E-05	3.40E-03	4.16E-03	3.67E-02	7.69E-03	9.88E-04	4.95E-02
4585	491363.09	3859377.25	0.99646	0.6053	1.3754	0.48029	4.03E-03	1.81E-02	8.77E-03	1.52E-03	3.24E-02	3.66E-03	1.95E-08	1.17E-04	4.14E-05	3.82E-03	4.66E-03	1.81E-02	8.77E-03	1.52E-03	3.30E-02
4586	491863.09	3859377.25	1.13527	0.74976	1.3421	0.33174	4.59E-03	2.24E-02	8.56E-03	1.05E-03	3.66E-02	4.17E-03	2.42E-08	1.14E-04	2.86E-05	4.32E-03	5.31E-03	2.24E-02	8.56E-03	1.05E-03	3.73E-02
4587	492363.09	3859377.25	1.05144	0.6695	1.3544	0.29695	4.25E-03	2.00E-02	8.64E-03	9.38E-04	3.38E-02	3.87E-03	2.16E-08	1.15E-04	2.56E-05	4.01E-03	4.92E-03	2.00E-02	8.64E-03	9.38E-04	3.45E-02
4588	492863.09	3859377.25	0.91882	0.6479	1.2597	0.28008	3.71E-03	1.93E-02	8.04E-03	8.84E-04	3.20E-02	3.38E-03	2.09E-08	1.07E-04	2.41E-05	3.51E-03	4.30E-03	1.93E-02	8.04E-03	8.84E-04	3.25E-02
4589	493363.09	3859377.25	0.79532	0.52187	1.9345	0.29165	3.21E-03	1.56E-02	1.23E-02	9.21E-04	3.20E-02	2.92E-03	1.68E-08	1.65E-04	2.51E-05	3.11E-03	3.72E-03	1.56E-02	1.23E-02	9.21E-04	3.25E-02
4590	493863.09	3859377.25	0.72855	0.48574	1.377	0.33077	2.94E-03	1.45E-02	8.78E-03	1.04E-03	2.73E-02	2.68E-03	1.57E-08	1.17E-04	2.85E-05	2.82E-03	3.41E-03	1.45E-02	8.78E-03	1.04E-03	2.77E-02
4591	494363.09	3859377.25	0.61831	0.41468	1.4322	0.30494	2.50E-03	1.24E-02	9.14E-03	9.63E-04	2.50E-02	2.27E-03	1.34E-08	1.22E-04	2.63E-05	2.42E-03	2.89E-03	1.24E-02	9.14E-03	9.63E-04	2.54E-02
4592	494863.09	3859377.25	0.51459	0.30226	1.3524	0.25901	2.08E-03	9.02E-03	8.63E-03	8.18E-04	2.05E-02	1.89E-03	9.74E-09	1.15E-04	2.23E-05	2.03E-03	2.41E-03	9.02E-03	8.63E-03	8.18E-04	2.09E-02
4593	495363.09	3859377.25	0.50099	0.27739	1.4314	0.2276	2.03E-03	8.28E-03	9.13E-03	7.19E-04	2.01E-02	1.84E-03	8.94E-09	1.22E-04	1.96E-05	1.98E-03	2.34E-03	8.28E-03	9.13E-03	7.19E-04	2.05E-02
4594	495863.09	3859377.25	0.48537	0.2464	1.214	0.20448	1.96E-03	7.35E-03	7.74E-03	6.46E-04	1.77E-02	1.78E-03	7.94E-09	1.03E-04	1.76E-05	1.91E-03	2.27E-03	7.35E-03	7.74E-03	6.46E-04	1.80E-02
4595	496363.09	3859377.25	0.48643	0.2439	1.2373	0.20516	1.97E-03	7.28E-03	7.89E-03	6.48E-04	1.78E-02	1.79E-03	7.86E-09	1.05E-04	1.77E-05	1.91E-03	2.27E-03	7.28E-03	7.89E-03	6.48E-04	1.81E-02
4596	496863.09	3859377.25	0.39319	0.20997	1.179	0.1868	1.59E-03	6.26E-03	7.52E-03	5.90E-04	1.60E-02	1.45E-03	6.77E-09	1.00E-04	1.61E-05	1.56E-03	1.84E-03	6.26E-03	7.52E-03	5.90E-04	1.62E-02
4597	497363.09	3859377.25	0.40763	0.2253	1.2042	0.19108	1.65E-03	6.72E-03	7.68E-03	6.03E-04	1.67E-02	1.50E-03	7.26E-09	1.02E-04	1.65E-05	1.62E-03	1.91E-03	6.72E-03	7.68E-03	6.03E-04	1.69E-02
4598	497863.09	3859377.25	0.4364	0.28104	1.2914	0.20083	1.76E-03	8.38E-03	8.24E-03	6.34E-04	1.90E-02	1.60E-03	9.06E-09	1.10E-04	1.73E-05	1.73E-03	2.04E-03	8.38E-03	8.24E-03	6.34E-04	1.93E-02
4599	498363.09	3859377.25	0.42823	0.32776	1.2084	0.2035	1.73E-03	9.78E-03	7.71E-03	6.43E-04	1.99E-02	1.57E-03	1.06E-08	1.03E-04	1.75E-05	1.69E-03	2.00E-03	9.78E-03	7.71E-03	6.43E-04	2.01E-02
4600	471363.09	3859877.25	0.22083	0.12975	0.1886	0.11551	8.93E-04	3.87E-03	1.20E-03	3.65E-04	6.33E-03	8.12E-04	4.18E-09	1.60E-05	9.95E-06	8.38E-04	1.03E-03	3.87E-03	1.20E-03	3.65E-04	6.47E-03
4601	471863.09	3859877.25	0.23622	0.14056	0.1868	0.1195	9.55E-04	4.19E-03	1.19E-03	3.77E-04	6.72E-03	8.68E-04	4.53E-09	1.59E-05	1.03E-05	8.95E-04	1.10E-03	4.19E-03	1.19E-03	3.77E-04	6.87E-03
4602	472363.09	3859877.25	0.23982	0.14661	0.1898	0.12392	9.69E-04	4.37E-03	1.21E-03	3.91E-04	6.94E-03	8.82E-04	4.73E-09	1.61E-05	1.07E-05	9.09E-04	1.12E-03	4.37E-03	1.21E-03	3.91E-04	7.10E-03
4603	472863.09	3859877.25	0.27283	0.16029	0.1804	0.12704	1.10E-03	4.78E-03	1.15E-03	4.01E-04	7.44E-03	1.00E-03	5.17E-09	1.53E-05	1.09E-05	1.03E-03	1.28E-03	4.78E-03	1.15E-03	4.01E-04	7.61E-03
4604	473363.09	3859877.25	0.29408	0.1737	0.1854	0.1352	1.19E-03	5.18E-03	1.18E-03	4.27E-04	7.98E-03	1.08E-03	5.60E-09	1.58E-05	1.16E-05	1.11E-03	1.38E-03	5.18E-03	1.18E-03	4.27E-04	8.17E-03
4605	473863.09	3859877.25	0.30777	0.18446	0.1994	0.14784	1.24E-03	5.50E-03	1.27E-03	4.67E-04	8.49E-03	1.13E-03	5.95E-09	1.70E-05	1.27E-05	1.16E-03	1.44E-03	5.50E-03	1.27E-03	4.67E-04	8.68E-03
4606	474363.09	3859877.25	0.29838	0.15277	0.2001	0.16505	1.21E-03	4.56E-03	1.28E-03	5.21E-04	7.56E-03	1.10E-03	4.92E-09	1.70E-05	1.42E-05	1.13E-03	1.40E-03	4.56E-03	1.28E-03	5.21E-04	7.75E-03
4607	474863.09	3859877.25	0.28082	0.11585	0.2778	0.1733	1.14E-03	3.46E-03	1.77E-03	5.47E-04	6.91E-03	1.03E-03	3.73E-09	2.36E-05	1.49E-05	1.07E-03	1.31E-03	3.46E-03	1.77E-03	5.47E-04	7.09E-03
4608	475363.09	3859877.25	0.15387	0.06943	0.1943	0.13005	6.22E-04	2.07E-03	1.24E-03	4.11E-04	4.34E-03	5.66E-04	2.24E-09	1.65E-05	1.12E-05	5.93E-04	7.20E-04	2.07E-03	1.24E-03	4.11E-04	4.44E-03
4609	475863.09	3859877.25	0.07779	0.04722	0.181	0.10556	3.14E-04	1.41E-03	1.15E-03	3.33E-04	3.21E-03	2.86E-04	1.52E-09	1.54E-05	9.09E-06	3.10E-04	3.64E-04	1.41E-03	1.15E-03	3.33E-04	3.26E-03
4610	476363.09	3859877.25	0.05101	0.03497	0.1801	0.09492	2.06E-04	1.04E-03	1.15E-03	3.00E-04	2.70E-03	1.88E-04	1.13E-09	1.53E-05	8.17E-06	2.11E-04	2.39E-04	1.04E-03	1.15E-03	3.00E-04	2.73E-03
4611	476863.09	3859877.25	0.05928	0.03997	0.218	0.09565	2.40E-04	1.19E-03	1.39E-03	3.02E-04	3.12E-03	2.18E-04	1.29E-09	1.85E-05	8.24E-06	2.45E-04	2.77E-04	1.19E-03	1.39E-03	3.02E-04	3.16E-03
4612	477363.09	3859877.25	0.06766	0.04298	0.2651	0.10014	2.73E-04	1.28E-03	1.69E-03	3.16E-04	3.56E-03	2.49E-04	1.39E-09	2.25E-05	8.62E-06	2.80E-04	3.16E-04	1.28E-03	1.69E-03	3.16E-04	3.61E-03
4613	477863.09	3859877.25	0.10651	0.05828	0.3251	0.11705	4.31E-04	1.74E-03	2.07E-03	3.70E-04	4.61E-03	3.92E-04	1.88E-09	2.76E-05	1.01E-05	4.29E-04	4.98E-04	1.74E-03	2.07E-03	3.70E-04	4.68E-03
4614	478363.09	3859877.25	0.22206	0.07984	0.415	0.13882	8.98E-04	2.38E-03	2.65E-03	4.38E-04	6.36E-03	8.16E-04	2.57E-09	3.53E-05	1.20E-05	8.64E-04	1.04E-03	2.38E-03	2.65E-03	4.38E-04	6.51E-03
4615	478863.09	3859877.25	0.37357	0.12758	0.5136	0.20264	1.51E-03	3.81E-03	3.28E-03	6.40E-04	9.23E-03	1.37E-03	4.11E-09	4.37E-05	1.74E-05	1.43E-03	1.75E-03	3.81E-03	3.28E-03	6.40E-04	9.47E-03
4616	479363.09	3859877.25	0.48793	0.21414	0.8327	0.27199	1.97E-03	6.39E-03	5.31E-03	8.59E-04	1.45E-02	1.79E-03	6.90E-09	7.08E-05	2.34E-05	1.89E-03	2.28E-03	6.39E-03	5.31E-03	8.59E-04	1.48E-02
4617	479863.09	3859877.25	0.54077	0.31726	0.9111	0.26046	2.19E-03	9.46E-03	5.81E-03	8.22E-04	1.83E-02	1.99E-03	1.02E-08	7.75E-05	2.24E-05	2.09E-03	2.53E-03	9.46E-03	5.81E-03	8.22E-04	1.86E-02
4618	480363.09	3859877.25	0.61616	0.41751	0.8061	0.18051	2.49E-03	1.25E-02	5.14E-03	5.70E-04	2.07E-02	2.27E-03	1.35E-08	6.86E-05	1.55E-05	2.35E-03	2.88E-03	1.25E-02	5.14E-03	5.70E-04	2.10E-02
4619	480863.09	3859877.25	0.71961	0.48922	0.8658	0.16431	2.91E-03	1.46E-02	5.52E-03	5.19E-04	2.35E-02	2.65E-03	1.58E-08	7.36E-05	1.41E-05	2.73E-03	3.37E-03	1.46E-02	5.52E-03	5.19E-04	2.40E-02
4620	481363.09	3859877.25	0.76331	0.55251	0.9081	0.15952	3.09E-03	1.65E-02	5.79E-03	5.04E-04	2.59E-02	2.81E-03	1.78E-08	7.72E-05	1.37E-05	2.90E-03	3.57E-03	1.65E-02	5.79E-03	5.04E-04	2.63E-02
4621	481863.09	3859877.25	0.77051	0.59037	0.8196	0.15969	3.11E-03	1.76E-02	5.23E-03	5.04E-04	2.65E-02	2.83E-03	1.90E-08	6.97E-05	1.38E-05	2.92E-03	3.60E-03	1.76E-02	5.23E-03	5.04E-04	2.69E-02
4622	482363.09	3859877.25	0.7929	0.63103	0.768	0.16696	3.21E-03	1.88E-02	4.90E-03	5.27E-04	2.75E-02	2.92E-03	2.03E-08	6.53E-05	1.44E-05	2.99E-03	3.71E-03	1.88E-02	4.90E-03	5.27E-04	2.80E-02
4623	482863.09	3859877.25	0.77284	0.68057	0.7966	0.2027	3.12E-03	2.03E-02	5.08E-03	6.40E-04	2.91E-02	2.84E-03	2.19E-08	6.78E-05	1.75E-05	2.93E-03	3.61E-03	2.03E-02	5.08E-03	6.40E-04	2.96E-02
4624	483363.09	3859877.25	0.78673	0.74315	0.7473	0.18162	3.18E-03	2.22E-02	4.77E-03	5.73E-04	3.07E-02	2.89E-03	2.40E-08	6.36E-05	1.56E-05	2.97E-03	3.68E-03	2.22E-02	4.77E-03	5.73E-04	3.12E-02
4625	483863.09	3859877.25	0.76373	0.94464	0.6801	0.18986	3.09E-03	2.82E-02	4.34E-03	5.99E-04	3.62E-02	2.81E-03	3.04E-08	5.78E-05	1.63E-05	2.88E-03	3.57E-03	2.82E-02	4.34E-03	5.99E-04	3.67E-02
4626	484363.09	3859877.25	0.70544	1.0756	0.9195	0.20306	2.85E-03	3.21E-02	5.87E-03	6.41E-04	4.14E-02	2.59E-03	3.47E-08	7.82E-05	1.75E-05	2.69E-03	3.30E-03	3.21E-02	5.87E-03	6.41E-04	4.19E-02
4627	484863.09	3859877.25	0.68275	1.30462	0.9478	0.22374	2.76E-03	3.89E-02	6.05E-03	7.06E-04	4.84E-02	2.51E-03	4.20E-08	8.06E-05	1.93E-05	2.61E-03	3.19E-03	3.89E-02	6.05E-03	7.06E-04	4.89E-02
4628	485363.09	3859877.25	0.64302	1.60275	0.9945	0.22376	2.60E-03	4.78E-02	6.34E-03	7.06E-04	5.75E-02	2.36E-03	5.17E-08	8.46E-05	1.93E-05	2.47E-03	3.01E-03	4.78E-02	6.34E-03	7.06E-04	5.79E-02
4629	485863.09	3859877.25	0.65938	1.93496	0.8489	0.22278	2.67E-03	5.77E-02	5.41E-03	7.03E-04	6.65E-02	2.42E-03	6.24E-08	7.22E-05	1.92E-05	2.52E-03	3.08E-03	5.77E-02	5.41E-03	7.03E-04	6.69E-02
4630	486363.09	3859877.25	0.69141	2.30678	0.9698	0.28895	2.79E-03	6.88E-02	6.19E-03	9.12E-04	7.87E-02	2.54E-03	7.43E-08	8.25E-05	2.49E-05	2.65E-03	3.23E-03	6.88E-02	6.19E-03	9.12E-04	7.92E-02
4631	486863.09	3859877.25	0.79657	2.69099	0.446	0.27139	3.22E-03	8.03E-02	2.84E-03	8.57E-04	8.72E-02	2.93E-03	8.67E-08	3.79E-05	2.34E-05	2.99E-03	3.73E-03	8.03E-02	2.84E-03	8.57E-04	8.77E-02
4632	487363.09	3859877.25	0.93284	3.83633	0.3197	0.33859	3.77E-03	1.14E-01	2.04E-03	1.07E-03	1.21E-01	3.43E-03	1.24E-07	2.72E-05	2.92E-05	3.49E-03	4.36E-03	1.14E-01	2.04E-03	1.07E-03	1.22E-01

4633	487863.09	3859877.25	0.97346	7.7615	0.4253	0.60482	3.93E-03	2.32E-01	2.71E-03	1.91E-03	2.40E-01	3.58E-03	2.50E-07	3.62E-05	5.21E-05	3.67E-03	4.55E-03	2.32E-01	2.71E-03	1.91E-03	2.41E-01
4634	488363.09	3859877.25	1.04375	7.59415	0.3674	1.22203	4.22E-03	2.27E-01	2.34E-03	3.86E-03	2.37E-01	3.84E-03	2.45E-07	3.12E-05	1.05E-04	3.97E-03	4.88E-03	2.27E-01	2.34E-03	3.86E-03	2.38E-01
4635	488863.09	3859877.25	1.07155	4.0353	0.3586	1.28823	4.33E-03	1.20E-01	2.29E-03	4.07E-03	1.31E-01	3.94E-03	1.30E-07	3.05E-05	1.11E-04	4.08E-03	5.01E-03	1.20E-01	2.29E-03	4.07E-03	1.32E-01
4636	489363.09	3859877.25	1.09919	2.92781	1.0594	0.70139	4.44E-03	8.73E-02	6.76E-03	2.21E-03	1.01E-01	4.04E-03	9.44E-08	9.01E-05	6.04E-05	4.19E-03	5.14E-03	8.73E-02	6.76E-03	2.21E-03	1.01E-01
4637	489863.09	3859877.25	1.13861	2.43825	1.0332	0.42618	4.60E-03	7.27E-02	6.59E-03	1.35E-03	8.53E-02	4.19E-03	7.86E-08	8.79E-05	3.67E-05	4.31E-03	5.32E-03	7.27E-02	6.59E-03	1.35E-03	8.60E-02
4638	490363.09	3859877.25	0.97134	1.96134	0.9817	0.32532	3.93E-03	5.85E-02	6.26E-03	1.03E-03	6.97E-02	3.57E-03	6.32E-08	8.35E-05	2.80E-05	3.68E-03	4.54E-03	5.85E-02	6.26E-03	1.03E-03	7.03E-02
4639	490863.09	3859877.25	0.84873	1.67699	0.9969	0.30628	3.43E-03	5.00E-02	6.36E-03	9.67E-04	6.08E-02	3.12E-03	5.41E-08	8.48E-05	2.64E-05	3.23E-03	3.97E-03	5.00E-02	6.36E-03	9.67E-04	6.13E-02
4640	491363.09	3859877.25	0.76126	1.48753	1.0454	0.28875	3.08E-03	4.44E-02	6.67E-03	9.12E-04	5.50E-02	2.80E-03	4.79E-08	8.89E-05	2.49E-05	2.91E-03	3.56E-03	4.44E-02	6.67E-03	9.12E-04	5.55E-02
4641	491863.09	3859877.25	0.75414	1.28759	0.9665	0.25578	3.05E-03	3.84E-02	6.16E-03	8.08E-04	4.84E-02	2.77E-03	4.15E-08	8.22E-05	2.20E-05	2.88E-03	3.53E-03	3.84E-02	6.16E-03	8.08E-04	4.89E-02
4642	492363.09	3859877.25	0.8413	1.10301	1.1271	0.25566	3.40E-03	3.29E-02	7.19E-03	8.07E-04	4.43E-02	3.09E-03	3.56E-08	9.59E-05	2.20E-05	3.21E-03	3.93E-03	3.29E-02	7.19E-03	8.07E-04	4.48E-02
4643	492863.09	3859877.25	0.89065	0.88142	1.1726	0.24124	3.60E-03	2.63E-02	7.48E-03	7.62E-04	3.81E-02	3.27E-03	2.84E-08	9.97E-05	2.08E-05	3.40E-03	4.17E-03	2.63E-02	7.48E-03	7.62E-04	3.87E-02
4644	493363.09	3859877.25	0.84566	0.77415	0.9586	0.24712	3.42E-03	2.31E-02	6.11E-03	7.80E-04	3.34E-02	3.11E-03	2.50E-08	8.15E-05	2.13E-05	3.21E-03	3.95E-03	2.31E-02	6.11E-03	7.80E-04	3.39E-02
4645	493863.09	3859877.25	0.73854	0.69872	0.9524	0.24386	2.99E-03	2.08E-02	6.07E-03	7.70E-04	3.07E-02	2.72E-03	2.25E-08	8.10E-05	2.10E-05	2.82E-03	3.45E-03	2.08E-02	6.07E-03	7.70E-04	3.11E-02
4646	494363.09	3859877.25	0.72125	0.58783	0.9592	0.26141	2.92E-03	1.75E-02	6.12E-03	8.25E-04	2.74E-02	2.65E-03	1.89E-08	8.16E-05	2.25E-05	2.76E-03	3.37E-03	1.75E-02	6.12E-03	8.25E-04	2.79E-02
4647	494863.09	3859877.25	0.63411	0.5279	1.0145	0.24923	2.56E-03	1.57E-02	6.47E-03	7.87E-04	2.56E-02	2.33E-03	1.70E-08	8.63E-05	2.15E-05	2.44E-03	2.97E-03	1.57E-02	6.47E-03	7.87E-04	2.60E-02
4648	495363.09	3859877.25	0.6067	0.45848	1.1892	0.25944	2.45E-03	1.37E-02	7.59E-03	8.19E-04	2.45E-02	2.23E-03	1.48E-08	1.01E-04	2.23E-05	2.35E-03	2.84E-03	1.37E-02	7.59E-03	8.19E-04	2.49E-02
4649	495863.09	3859877.25	0.54208	0.38342	1.1969	0.26002	2.19E-03	1.14E-02	7.63E-03	8.21E-04	2.21E-02	1.99E-03	1.24E-08	1.02E-04	2.24E-05	2.12E-03	2.54E-03	1.14E-02	7.63E-03	8.21E-04	2.24E-02
4650	496363.09	3859877.25	0.45878	0.29993	1.1662	0.26333	1.85E-03	8.95E-03	7.44E-03	8.31E-04	1.91E-02	1.69E-03	9.67E-09	9.92E-05	2.27E-05	1.81E-03	2.15E-03	8.95E-03	7.44E-03	8.31E-04	1.94E-02
4651	496863.09	3859877.25	0.33286	0.19652	0.9967	0.17464	1.35E-03	5.86E-03	6.36E-03	5.51E-04	1.41E-02	1.22E-03	6.33E-09	8.48E-05	1.50E-05	1.32E-03	1.56E-03	5.86E-03	6.36E-03	5.51E-04	1.43E-02
4652	497363.09	3859877.25	0.45052	0.25608	1.0417	0.24121	1.82E-03	7.64E-03	6.64E-03	7.62E-04	1.69E-02	1.66E-03	8.25E-09	8.86E-05	2.08E-05	1.77E-03	2.11E-03	7.64E-03	6.64E-03	7.62E-04	1.72E-02
4653	497863.09	3859877.25	0.47495	0.35696	1.0808	0.23904	1.92E-03	1.06E-02	6.89E-03	7.55E-04	2.02E-02	1.75E-03	1.15E-08	9.19E-05	2.06E-05	1.86E-03	2.22E-03	1.06E-02	6.89E-03	7.55E-04	2.05E-02
4654	498363.09	3859877.25	0.42598	0.3934	0.919	0.18696	1.72E-03	1.17E-02	5.86E-03	5.90E-04	1.99E-02	1.57E-03	1.27E-08	7.82E-05	1.61E-05	1.66E-03	1.99E-03	1.17E-02	5.86E-03	5.90E-04	2.02E-02
4655	471363.09	3860377.25	0.21542	0.13462	0.1664	0.10641	8.71E-04	4.02E-03	1.06E-03	3.36E-04	6.28E-03	7.92E-04	4.34E-09	1.42E-05	9.16E-06	8.15E-04	1.01E-03	4.02E-03	1.06E-03	3.36E-04	6.42E-03
4656	471863.09	3860377.25	0.23339	0.14237	0.167	0.11617	9.43E-04	4.25E-03	1.07E-03	3.67E-04	6.62E-03	8.58E-04	4.59E-09	1.42E-05	1.00E-05	8.82E-04	1.09E-03	4.25E-03	1.07E-03	3.67E-04	6.77E-03
4657	472363.09	3860377.25	0.25514	0.16029	0.2187	0.12672	1.03E-03	4.78E-03	1.39E-03	4.00E-04	7.61E-03	9.38E-04	5.17E-09	1.86E-05	1.09E-05	9.68E-04	1.19E-03	4.78E-03	1.39E-03	4.00E-04	7.77E-03
4658	472863.09	3860377.25	0.28255	0.17825	0.2724	0.13783	1.14E-03	5.32E-03	1.74E-03	4.35E-04	8.63E-03	1.04E-03	5.75E-09	2.32E-05	1.19E-05	1.07E-03	1.32E-03	5.32E-03	1.74E-03	4.35E-04	8.81E-03
4659	473363.09	3860377.25	0.29625	0.18815	0.2846	0.14889	1.20E-03	5.61E-03	1.82E-03	4.70E-04	9.10E-03	1.09E-03	6.06E-09	2.42E-05	1.28E-05	1.13E-03	1.39E-03	5.61E-03	1.82E-03	4.70E-04	9.28E-03
4660	473863.09	3860377.25	0.32495	0.1888	0.248	0.15892	1.31E-03	5.63E-03	1.58E-03	5.02E-04	9.03E-03	1.19E-03	6.09E-09	2.11E-05	1.37E-05	1.23E-03	1.52E-03	5.63E-03	1.58E-03	5.02E-04	9.24E-03
4661	474363.09	3860377.25	0.31431	0.17653	0.2197	0.14788	1.27E-03	5.27E-03	1.40E-03	4.67E-04	8.41E-03	1.16E-03	5.69E-09	1.87E-05	1.27E-05	1.19E-03	1.47E-03	5.27E-03	1.40E-03	4.67E-04	8.60E-03
4662	474863.09	3860377.25	0.31377	0.14988	0.2496	0.15401	1.27E-03	4.47E-03	1.59E-03	4.86E-04	7.82E-03	1.15E-03	4.83E-09	2.12E-05	1.33E-05	1.19E-03	1.47E-03	4.47E-03	1.59E-03	4.86E-04	8.02E-03
4663	475363.09	3860377.25	0.27676	0.11865	0.2925	0.19463	1.12E-03	3.54E-03	1.87E-03	6.15E-04	7.14E-03	1.02E-03	3.82E-09	2.49E-05	1.68E-05	1.06E-03	1.29E-03	3.54E-03	1.87E-03	6.15E-04	7.31E-03
4664	475863.09	3860377.25	0.22551	0.09506	0.3397	0.162	9.12E-04	2.84E-03	2.17E-03	5.11E-04	6.43E-03	8.29E-04	3.06E-09	2.89E-05	1.39E-05	8.72E-04	1.05E-03	2.84E-03	2.17E-03	5.11E-04	6.57E-03
4665	476363.09	3860377.25	0.16072	0.07273	0.3992	0.12224	6.50E-04	2.17E-03	2.55E-03	3.86E-04	5.75E-03	5.91E-04	2.34E-09	3.40E-05	1.05E-05	6.35E-04	7.52E-04	2.17E-03	2.55E-03	3.86E-04	5.85E-03
4666	476863.09	3860377.25	0.15086	0.05925	0.4323	0.11733	6.10E-04	1.77E-03	2.76E-03	3.70E-04	5.51E-03	5.55E-04	1.91E-09	3.68E-05	1.01E-05	6.02E-04	7.06E-04	1.77E-03	2.76E-03	3.70E-04	5.60E-03
4667	477363.09	3860377.25	0.09887	0.04965	0.437	0.10717	4.00E-04	1.48E-03	2.79E-03	3.38E-04	5.01E-03	3.63E-04	1.60E-09	3.72E-05	9.23E-06	4.10E-04	4.62E-04	1.48E-03	2.79E-03	3.38E-04	5.07E-03
4668	477863.09	3860377.25	0.13034	0.05346	0.4906	0.11632	5.27E-04	1.59E-03	3.13E-03	3.67E-04	5.62E-03	4.79E-04	1.72E-09	4.17E-05	1.00E-05	5.31E-04	6.10E-04	1.59E-03	3.13E-03	3.67E-04	5.70E-03
4669	478363.09	3860377.25	0.24874	0.08678	0.776	0.15623	1.01E-03	2.59E-03	4.95E-03	4.93E-04	9.04E-03	9.14E-04	2.80E-09	6.60E-05	1.35E-05	9.94E-04	1.16E-03	2.59E-03	4.95E-03	4.93E-04	9.20E-03
4670	478863.09	3860377.25	0.38924	0.13746	0.7897	0.22217	1.57E-03	4.10E-03	5.04E-03	7.01E-04	1.14E-02	1.43E-03	4.43E-09	6.72E-05	1.91E-05	1.52E-03	1.82E-03	4.10E-03	5.04E-03	7.01E-04	1.17E-02
4671	479363.09	3860377.25	0.46652	0.21551	0.7622	0.27764	1.89E-03	6.43E-03	4.86E-03	8.77E-04	1.41E-02	1.72E-03	6.95E-09	6.48E-05	2.39E-05	1.80E-03	2.18E-03	6.43E-03	4.86E-03	8.77E-04	1.43E-02
4672	479863.09	3860377.25	0.55992	0.29523	0.725	0.18904	2.26E-03	8.81E-03	4.62E-03	5.97E-04	1.63E-02	2.06E-03	9.52E-09	6.17E-05	1.63E-05	2.14E-03	2.62E-03	8.81E-03	4.62E-03	5.97E-04	1.66E-02
4673	480363.09	3860377.25	0.62018	0.37836	0.6716	0.13766	2.51E-03	1.13E-02	4.28E-03	4.35E-04	1.85E-02	2.28E-03	1.22E-08	5.71E-05	1.19E-05	2.35E-03	2.90E-03	1.13E-02	4.28E-03	4.35E-04	1.89E-02
4674	480863.09	3860377.25	0.63507	0.4309	0.6677	0.12584	2.57E-03	1.29E-02	4.26E-03	3.97E-04	2.01E-02	2.33E-03	1.39E-08	5.68E-05	1.08E-05	2.40E-03	2.97E-03	1.29E-02	4.26E-03	3.97E-04	2.05E-02
4675	481363.09	3860377.25	0.64437	0.48411	0.6865	0.15626	2.60E-03	1.44E-02	4.38E-03	4.93E-04	2.19E-02	2.37E-03	1.56E-08	5.84E-05	1.35E-05	2.44E-03	3.01E-03	1.44E-02	4.38E-03	4.93E-04	2.23E-02
4676	481863.09	3860377.25	0.67718	0.56597	0.7439	0.1499	2.74E-03	1.69E-02	4.75E-03	4.73E-04	2.48E-02	2.49E-03	1.82E-08	6.33E-05	1.29E-05	2.57E-03	3.17E-03	1.69E-02	4.75E-03	4.73E-04	2.53E-02
4677	482363.09	3860377.25	0.68115	0.59439	0.573	0.19421	2.75E-03	1.77E-02	3.65E-03	6.13E-04	2.48E-02	2.50E-03	1.92E-08	4.87E-05	1.67E-05	2.57E-03	3.19E-03	1.77E-02	3.65E-03	6.13E-04	2.52E-02
4678	482863.09	3860377.25	0.66612	0.63779	0.661	0.19444	2.69E-03	1.90E-02	4.22E-03	6.14E-04	2.66E-02	2.45E-03	2.06E-08	5.62E-05	1.67E-05	2.52E-03	3.12E-03	1.90E-02	4.22E-03	6.14E-04	2.70E-02
4679	483363.09	3860377.25	0.72704	0.73725	0.82	0.17763	2.94E-03	2.20E-02	5.23E-03	5.61E-04	3.07E-02	2.67E-03	2.38E-08	6.97E-05	1.53E-05	2.76E-03	3.40E-03	2.20E-02	5.23E-03	5.61E-04	3.12E-02
4680	483863.09	3860377.25	0.67729	0.85075	0.818	0.21161	2.74E-03	2.54E-02	5.22E-03	6.68E-04	3.40E-02	2.49E-03	2.74E-08	6.96E-05	1.82E-05	2.58E-03	3.17E-03	2.54E-02	5.22E-03	6.68E-04	3.44E-02
4681	484363.09	3860377.25	0.59257	0.95795	0.8266	0.20125	2.40E-03	2.86E-02	5.27E-03	6.35E-04	3.69E-02	2.18E-03	3.09E-08	7.03E-05	1.73E-05	2.27E-03	2.77E-03	2.86E-02	5.27E-03	6.35E-04	3.73E-02
4682	484863.09	3860377.25	0.59938	1.16884	0.9092	0.19324	2.42E-03	3.49E-02	5.80E-03	6.10E-04	4.37E-02	2.20E-03	3.77E-08	7.73E-05	1.66E-05	2.30E-03	2.80E-03	3.49E-02	5.80E-03	6.10E-04	4.41E-02
4683	485363.09	3860377.25	0.55762	1.2853	0.8075	0.17461	2.25E-03	3.83E-02	5.15E-03	5.51E-04	4.63E-02	2.05E-03	4.14E-08	6.87E-05	1.50E-05	2.13E-03	2.61E-03	3.83E-02	5.15E-03	5.51E-04	4.67E-02
4684	485863.09	3860377.25	0.58642	1.51989	0.8208	0.19208	2.37E-03	4.53E-02	5.24E-03	6.06E-04	5.36E-02	2.16E-03	4.90E-08	6.98E-05	1.65E-05	2.24E-03	2.74E-03	4.53E-02	5.24E-03	6.06E-04	5.39E-02
4685	486363.09	3860377.25	0.60775	1.77173	0.4549	0.22251	2.46E-03	5.29E-02	2.90E-03	7.03E-04	5.89E-02	2.23E-03	5.71E-08	3.87E-05	1.92E-05	2.29E-03	2.84E-03	5.29E-02	2.90E-03	7.03E-04	5.93E-02
4686	486863.09	3860377.25	0.64082	2.17684	0.4341	0.27428	2.59E-03	6.49E-02	2.77E-03	8.66E-04	7.12E-02	2.36E-03	7.02E-08	3.69E-05	2.36E-05	2.42E-03	3.00E-03	6.49E-02	2.77E-03	8.66E-04	7.16E-02
4687	487363.09	3860377.25	0.73446	3.30794	0.3495	0.30003	2.97E-03	9.87E-02	2.23E-03	9.47E-04	1.05E-01	2.70E-03	1.07E-07	2.97E-05	2.58E-05	2.76E-03	3.43E-03	9.87E-02	2.23E-03	9.47E-04	1.05E-01
4688	487863.09	3860377.25	0.79152	7.09303	0.3656	0.35673	3.20E-03	2.12E-01	2.33E-03	1.13E-03	2.18E-01	2.91E-03	2.29E-07	3.11E-05	3.07E-05	2.97E-03	3.70E-03	2.12E-01	2.33E-03	1.13E-03	2.19E-01
4689	488363.09	3860377.25	0.81615	7.49158	0.5943	0.5375	3.30E-03	2.23E-01	3.79E-03	1.70E-03	2.32E-01	3.00E-03	2.41E-07	5.05E-05	4.63E-05	3.10E-03	3.82E-03	2.23E-01	3.79E-03	1.70E-03	2.33E-01
4690	488863.09	3860377.25	0.96257	7.96616	0.3421	0.64871	3.89E-03	2.38E-01	2.18E-03	2.05E-03	2.46E-01	3.54E-03	2.57E-07	2.91E-05	5.59E-05	3.62E-03	4.50E-03	2.38E-01	2.18E-03	2.05E-03	2.46E-01
4691	489363.09	3860377.25	0.89283	4.36489	0.6848	0.51772	3.61E-03	1.30E-01	4.37E-03	1.63E-03	1.40E-01	3.28E-03	1.41E-07	5.82E-05	4.46E-05	3.39E-03	4.18E-03	1.30E-01	4.37E-03	1.63E-03	1.40E-01
4692	489863.09	3860377.25	0.90589	2.63169	1.05	0.4042	3.66E-03	7.85E-02	6.70E-03	1.28E-03	9.01E-02	3.33E-03	8.48E-08	8.93E-05	3.48E-05	3.45E-03	4.24E-03	7.85E-02	6.70E-03	1.28E-03	9.07E-02
4693	490363.09	3860377.25	0.89187	1.92188	0.9098	0.38936	3.61E-03	5.73E-02	5.80E-03	1.23E-03	6.80E-02	3.28E-03	6.19E-08	7.74E-05	3.35E-05	3.39E-03	4.17E-03	5.73E-02	5.80E-03	1.23E-03	6.85E-02

4694	490863.09	3860377.25	0.82184	1.62028	1.0775	0.30899	3.32E-03	4.83E-02	6.87E-03	9.76E-04	5.95E-02	3.02E-03	5.22E-08	9.16E-05	2.66E-05	3.14E-03	3.84E-03	4.83E-02	6.87E-03	9.76E-04	6.00E-02
4695	491363.09	3860377.25	0.6577	1.34865	0.8096	0.27782	2.66E-03	4.02E-02	5.16E-03	8.77E-04	4.89E-02	2.42E-03	4.35E-08	6.89E-05	2.39E-05	2.51E-03	3.08E-03	4.02E-02	5.16E-03	8.77E-04	4.94E-02
4696	491863.09	3860377.25	0.63868	1.1625	0.8555	0.24722	2.58E-03	3.47E-02	5.46E-03	7.81E-04	4.35E-02	2.35E-03	3.75E-08	7.28E-05	2.13E-05	2.44E-03	2.99E-03	3.47E-02	5.46E-03	7.81E-04	4.39E-02
4697	492363.09	3860377.25	0.58039	1.06677	0.8772	0.24058	2.35E-03	3.18E-02	5.60E-03	7.60E-04	4.05E-02	2.13E-03	3.44E-08	7.46E-05	2.07E-05	2.23E-03	2.71E-03	3.18E-02	5.60E-03	7.60E-04	4.09E-02
4698	492863.09	3860377.25	0.6166	0.97916	0.7933	0.23603	2.49E-03	2.92E-02	5.06E-03	7.45E-04	3.75E-02	2.27E-03	3.16E-08	6.75E-05	2.03E-05	2.35E-03	2.88E-03	2.92E-02	5.06E-03	7.45E-04	3.79E-02
4699	493363.09	3860377.25	0.65905	0.85428	0.9227	0.22396	2.66E-03	2.55E-02	5.89E-03	7.07E-04	3.47E-02	2.42E-03	2.75E-08	7.85E-05	1.93E-05	2.52E-03	3.08E-03	2.55E-02	5.89E-03	7.07E-04	3.52E-02
4700	493863.09	3860377.25	0.73683	0.78782	0.9419	0.21867	2.98E-03	2.35E-02	6.01E-03	6.90E-04	3.32E-02	2.71E-03	2.54E-08	8.01E-05	1.88E-05	2.81E-03	3.45E-03	2.35E-02	6.01E-03	6.90E-04	3.36E-02
4701	494363.09	3860377.25	0.71463	0.68732	1.0754	0.20995	2.89E-03	2.05E-02	6.86E-03	6.63E-04	3.09E-02	2.63E-03	2.22E-08	9.15E-05	1.81E-05	2.74E-03	3.34E-03	2.05E-02	6.86E-03	6.63E-04	3.14E-02
4702	494863.09	3860377.25	0.6048	0.64738	0.9061	0.20335	2.44E-03	1.93E-02	5.78E-03	6.42E-04	2.82E-02	2.22E-03	2.09E-08	7.71E-05	1.75E-05	2.32E-03	2.83E-03	1.93E-02	5.78E-03	6.42E-04	2.86E-02
4703	495363.09	3860377.25	0.59481	0.57964	0.7671	0.19462	2.40E-03	1.73E-02	4.89E-03	6.14E-04	2.52E-02	2.19E-03	1.87E-08	6.52E-05	1.68E-05	2.27E-03	2.78E-03	1.73E-02	4.89E-03	6.14E-04	2.56E-02
4704	495863.09	3860377.25	0.54714	0.47651	0.8125	0.21728	2.21E-03	1.42E-02	5.18E-03	6.86E-04	2.23E-02	2.01E-03	1.54E-08	6.91E-05	1.87E-05	2.10E-03	2.56E-03	1.42E-02	5.18E-03	6.86E-04	2.26E-02
4705	496363.09	3860377.25	0.56126	0.37603	0.9367	0.27601	2.27E-03	1.12E-02	5.97E-03	8.71E-04	2.03E-02	2.06E-03	1.21E-08	7.97E-05	2.38E-05	2.17E-03	2.62E-03	1.12E-02	5.97E-03	8.71E-04	2.07E-02
4706	496863.09	3860377.25	0.48574	0.30008	1.1789	0.26473	1.96E-03	8.95E-03	7.52E-03	8.36E-04	1.93E-02	1.79E-03	9.67E-09	1.00E-04	2.28E-05	1.91E-03	2.27E-03	8.95E-03	7.52E-03	8.36E-04	1.96E-02
4707	497363.09	3860377.25	0.4257	0.22896	1.415	0.2503	1.72E-03	6.83E-03	9.03E-03	7.90E-04	1.84E-02	1.57E-03	7.38E-09	1.20E-04	2.16E-05	1.71E-03	1.99E-03	6.83E-03	9.03E-03	7.90E-04	1.86E-02
4708	497863.09	3860377.25	0.40522	0.31433	1.0214	0.26362	1.64E-03	9.38E-03	6.52E-03	8.32E-04	1.84E-02	1.49E-03	1.01E-08	8.69E-05	2.27E-05	1.60E-03	1.90E-03	9.38E-03	6.52E-03	8.32E-04	1.86E-02
4709	498363.09	3860377.25	0.39108	0.39828	0.7993	0.18735	1.58E-03	1.19E-02	5.10E-03	5.92E-04	1.92E-02	1.44E-03	1.28E-08	6.80E-05	1.61E-05	1.52E-03	1.83E-03	1.19E-02	5.10E-03	5.92E-04	1.94E-02
4710	471363.09	3860877.25	0.23627	0.16097	0.1694	0.11766	9.55E-04	4.80E-03	1.08E-03	3.71E-04	7.21E-03	8.69E-04	5.19E-09	1.44E-05	1.01E-05	8.93E-04	1.10E-03	4.80E-03	1.08E-03	3.71E-04	7.36E-03
4711	471863.09	3860877.25	0.26097	0.17446	0.1942	0.1271	1.05E-03	5.20E-03	1.24E-03	4.01E-04	7.90E-03	9.59E-04	5.62E-09	1.65E-05	1.09E-05	9.87E-04	1.22E-03	5.20E-03	1.24E-03	4.01E-04	8.07E-03
4712	472363.09	3860877.25	0.28044	0.18017	0.2223	0.13605	1.13E-03	5.38E-03	1.42E-03	4.30E-04	8.36E-03	1.03E-03	5.81E-09	1.89E-05	1.17E-05	1.06E-03	1.31E-03	5.38E-03	1.42E-03	4.30E-04	8.53E-03
4713	472863.09	3860877.25	0.27557	0.18978	0.2609	0.13069	1.11E-03	5.66E-03	1.66E-03	4.13E-04	8.85E-03	1.01E-03	6.12E-09	2.22E-05	1.13E-05	1.05E-03	1.29E-03	5.66E-03	1.66E-03	4.13E-04	9.03E-03
4714	473363.09	3860877.25	0.28861	0.18778	0.3267	0.12982	1.17E-03	5.60E-03	2.08E-03	4.10E-04	9.26E-03	1.06E-03	6.05E-09	2.78E-05	1.12E-05	1.10E-03	1.35E-03	5.60E-03	2.08E-03	4.10E-04	9.45E-03
4715	473863.09	3860877.25	0.30991	0.18674	0.3587	0.13967	1.25E-03	5.57E-03	2.29E-03	4.41E-04	9.55E-03	1.14E-03	6.02E-09	3.05E-05	1.20E-05	1.18E-03	1.45E-03	5.57E-03	2.29E-03	4.41E-04	9.75E-03
4716	474363.09	3860877.25	0.2991	0.17042	0.4081	0.14853	1.21E-03	5.08E-03	2.60E-03	4.69E-04	9.37E-03	1.10E-03	5.49E-09	3.47E-05	1.28E-05	1.15E-03	1.40E-03	5.08E-03	2.60E-03	4.69E-04	9.56E-03
4717	474863.09	3860877.25	0.30184	0.1718	0.4761	0.1559	1.22E-03	5.13E-03	3.04E-03	4.92E-04	9.87E-03	1.11E-03	5.54E-09	4.05E-05	1.34E-05	1.16E-03	1.41E-03	5.13E-03	3.04E-03	4.92E-04	1.01E-02
4718	475363.09	3860877.25	0.3152	0.17395	0.6603	0.20055	1.27E-03	5.19E-03	4.21E-03	6.33E-04	1.13E-02	1.16E-03	5.61E-09	5.62E-05	1.73E-05	1.23E-03	1.47E-03	5.19E-03	4.21E-03	6.33E-04	1.15E-02
4719	475863.09	3860877.25	0.31444	0.15065	0.6781	0.20757	1.27E-03	4.49E-03	4.33E-03	6.55E-04	1.07E-02	1.16E-03	4.86E-09	5.77E-05	1.79E-05	1.23E-03	1.47E-03	4.49E-03	4.33E-03	6.55E-04	1.09E-02
4720	476363.09	3860877.25	0.27264	0.12382	0.6765	0.22351	1.10E-03	3.69E-03	4.31E-03	7.06E-04	9.82E-03	1.00E-03	3.99E-09	5.75E-05	1.92E-05	1.08E-03	1.28E-03	3.69E-03	4.31E-03	7.06E-04	9.99E-03
4721	476863.09	3860877.25	0.29424	0.11339	0.6826	0.22469	1.19E-03	3.38E-03	4.35E-03	7.09E-04	9.64E-03	1.08E-03	3.65E-09	5.81E-05	1.93E-05	1.16E-03	1.38E-03	3.38E-03	4.35E-03	7.09E-04	9.82E-03
4722	477363.09	3860877.25	0.29616	0.1188	0.6778	0.22295	1.20E-03	3.54E-03	4.32E-03	7.04E-04	9.77E-03	1.09E-03	3.83E-09	5.76E-05	1.92E-05	1.17E-03	1.39E-03	3.54E-03	4.32E-03	7.04E-04	9.96E-03
4723	477863.09	3860877.25	0.27335	0.09836	0.621	0.17973	1.10E-03	2.93E-03	3.96E-03	5.67E-04	8.57E-03	1.00E-03	3.17E-09	5.28E-05	1.55E-05	1.07E-03	1.28E-03	2.93E-03	3.96E-03	5.67E-04	8.74E-03
4724	478363.09	3860877.25	0.16926	0.06396	0.4637	0.12171	6.84E-04	1.91E-03	2.96E-03	3.84E-04	5.93E-03	6.22E-04	2.06E-09	3.94E-05	1.05E-05	6.72E-04	7.92E-04	1.91E-03	2.96E-03	3.84E-04	6.04E-03
4725	478863.09	3860877.25	0.36576	0.13449	0.649	0.25308	1.48E-03	4.01E-03	4.14E-03	7.99E-04	1.04E-02	1.34E-03	4.33E-09	5.52E-05	2.18E-05	1.42E-03	1.71E-03	4.01E-03	4.14E-03	7.99E-04	1.07E-02
4726	479363.09	3860877.25	0.44439	0.20739	0.644	0.26366	1.80E-03	6.19E-03	4.11E-03	8.32E-04	1.29E-02	1.63E-03	6.68E-09	5.48E-05	2.27E-05	1.71E-03	2.08E-03	6.19E-03	4.11E-03	8.32E-04	1.32E-02
4727	479863.09	3860877.25	0.51886	0.31697	0.6192	0.15878	2.10E-03	9.46E-03	3.95E-03	5.01E-04	1.60E-02	1.91E-03	1.02E-08	5.27E-05	1.37E-05	1.97E-03	2.43E-03	9.46E-03	3.95E-03	5.01E-04	1.63E-02
4728	480363.09	3860877.25	0.52881	0.39536	0.6052	0.12042	2.14E-03	1.18E-02	3.86E-03	3.80E-04	1.82E-02	1.94E-03	1.27E-08	5.15E-05	1.04E-05	2.01E-03	2.47E-03	1.18E-02	3.86E-03	3.80E-04	1.85E-02
4729	480863.09	3860877.25	0.58158	0.42859	0.7061	0.14035	2.35E-03	1.28E-02	4.50E-03	4.43E-04	2.01E-02	2.14E-03	1.38E-08	6.00E-05	1.21E-05	2.21E-03	2.72E-03	1.28E-02	4.50E-03	4.43E-04	2.05E-02
4730	481363.09	3860877.25	0.58533	0.49847	0.4476	0.15127	2.37E-03	1.49E-02	2.86E-03	4.78E-04	2.06E-02	2.15E-03	1.61E-08	3.81E-05	1.30E-05	2.20E-03	2.74E-03	1.49E-02	2.86E-03	4.78E-04	2.09E-02
4731	481863.09	3860877.25	0.61772	0.54292	0.6815	0.16148	2.50E-03	1.62E-02	4.35E-03	5.10E-04	2.36E-02	2.27E-03	1.75E-08	5.80E-05	1.39E-05	2.34E-03	2.89E-03	1.62E-02	4.35E-03	5.10E-04	2.39E-02
4732	482363.09	3860877.25	0.53092	0.57149	0.6955	0.16437	2.15E-03	1.70E-02	4.44E-03	5.19E-04	2.42E-02	1.95E-03	1.84E-08	5.91E-05	1.42E-05	2.03E-03	2.48E-03	1.70E-02	4.44E-03	5.19E-04	2.45E-02
4733	482863.09	3860877.25	0.58916	0.62066	0.7522	0.1688	2.38E-03	1.85E-02	4.80E-03	5.33E-04	2.62E-02	2.17E-03	2.00E-08	6.40E-05	1.45E-05	2.24E-03	2.76E-03	1.85E-02	4.80E-03	5.33E-04	2.66E-02
4734	483363.09	3860877.25	0.62005	0.71501	0.8192	0.17947	2.51E-03	2.13E-02	5.23E-03	5.67E-04	2.96E-02	2.28E-03	2.30E-08	6.97E-05	1.55E-05	2.36E-03	2.90E-03	2.13E-02	5.23E-03	5.67E-04	3.00E-02
4735	483863.09	3860877.25	0.5719	0.76845	0.7987	0.18618	2.31E-03	2.29E-02	5.09E-03	5.88E-04	3.09E-02	2.10E-03	2.48E-08	6.79E-05	1.60E-05	2.19E-03	2.67E-03	2.29E-02	5.09E-03	5.88E-04	3.13E-02
4736	484363.09	3860877.25	0.56332	0.88006	0.9447	0.1932	2.28E-03	2.63E-02	6.03E-03	6.10E-04	3.52E-02	2.07E-03	2.84E-08	8.03E-05	1.66E-05	2.17E-03	2.63E-03	2.63E-02	6.03E-03	6.10E-04	3.55E-02
4737	484863.09	3860877.25	0.51264	0.96016	0.7335	0.20121	2.07E-03	2.86E-02	4.68E-03	6.35E-04	3.60E-02	1.88E-03	3.09E-08	6.24E-05	1.73E-05	1.96E-03	2.40E-03	2.86E-02	4.68E-03	6.35E-04	3.64E-02
4738	485363.09	3860877.25	0.49578	1.02093	0.7057	0.2096	2.00E-03	3.05E-02	4.50E-03	6.62E-04	3.76E-02	1.82E-03	3.29E-08	6.00E-05	1.80E-05	1.90E-03	2.32E-03	3.05E-02	4.50E-03	6.62E-04	3.79E-02
4739	485863.09	3860877.25	0.53174	1.12949	0.4092	0.22293	2.15E-03	3.37E-02	2.61E-03	7.04E-04	3.92E-02	1.95E-03	3.64E-08	3.48E-05	1.92E-05	2.01E-03	2.49E-03	3.37E-02	2.61E-03	7.04E-04	3.95E-02
4740	486363.09	3860877.25	0.54044	1.42819	0.3807	0.22025	2.18E-03	4.26E-02	2.43E-03	6.95E-04	4.79E-02	1.99E-03	4.60E-08	3.24E-05	1.90E-05	2.04E-03	2.53E-03	4.26E-02	2.43E-03	6.95E-04	4.83E-02
4741	486863.09	3860877.25	0.57154	1.6949	0.321	0.26141	2.31E-03	5.06E-02	2.05E-03	8.25E-04	5.57E-02	2.10E-03	5.46E-08	2.73E-05	2.25E-05	2.15E-03	2.67E-03	5.06E-02	2.05E-03	8.25E-04	5.61E-02
4742	487363.09	3860877.25	0.58822	2.15835	0.3241	0.28446	2.38E-03	6.44E-02	2.07E-03	8.98E-04	6.97E-02	2.16E-03	6.96E-08	2.76E-05	2.45E-05	2.21E-03	2.75E-03	6.44E-02	2.07E-03	8.98E-04	7.01E-02
4743	487863.09	3860877.25	0.65658	2.14656	0.3592	0.21002	2.65E-03	6.40E-02	2.29E-03	6.63E-04	6.96E-02	2.41E-03	6.92E-08	3.05E-05	1.81E-05	2.46E-03	3.07E-03	6.40E-02	2.29E-03	6.63E-04	7.01E-02
4744	488363.09	3860877.25	0.72982	2.37746	0.5481	0.25876	2.95E-03	7.09E-02	3.50E-03	8.17E-04	7.82E-02	2.68E-03	7.66E-08	4.66E-05	2.23E-05	2.75E-03	3.41E-03	7.09E-02	3.50E-03	8.17E-04	7.87E-02
4745	488863.09	3860877.25	0.76417	2.36754	0.2809	0.32787	3.09E-03	7.06E-02	1.79E-03	1.04E-03	7.65E-02	2.81E-03	7.63E-08	2.39E-05	2.82E-05	2.86E-03	3.57E-03	7.06E-02	1.79E-03	1.04E-03	7.70E-02
4746	489363.09	3860877.25	0.76322	2.39326	0.1833	0.42782	3.09E-03	7.14E-02	1.17E-03	1.35E-03	7.70E-02	2.81E-03	7.71E-08	1.56E-05	3.68E-05	2.86E-03	3.57E-03	7.14E-02	1.17E-03	1.35E-03	7.75E-02
4747	489863.09	3860877.25	0.70342	1.79447	0.8249	0.35084	2.84E-03	5.35E-02	5.26E-03	1.11E-03	6.27E-02	2.59E-03	5.78E-08	7.02E-05	3.02E-05	2.69E-03	3.29E-03	5.35E-02	5.26E-03	1.11E-03	6.32E-02
4748	490363.09	3860877.25	0.76332	1.45255	0.8684	0.30783	3.09E-03	4.33E-02	5.54E-03	9.72E-04	5.29E-02	2.81E-03	4.68E-08	7.39E-05	2.65E-05	2.91E-03	3.57E-03	4.33E-02	5.54E-03	9.72E-04	5.34E-02
4749	490863.09	3860877.25	0.73167	1.33398	0.7854	0.24181	2.96E-03	3.98E-02	5.01E-03	7.63E-04	4.85E-02	2.69E-03	4.30E-08	6.68E-05	2.08E-05	2.78E-03	3.42E-03	3.98E-02	5.01E-03	7.63E-04	4.90E-02
4750	491363.09	3860877.25	0.63537	1.20454	0.9581	0.2091	2.57E-03	3.59E-02	6.11E-03	6.60E-04	4.53E-02	2.34E-03	3.88E-08	8.15E-05	1.80E-05	2.44E-03	2.97E-03	3.59E-02	6.11E-03	6.60E-04	4.57E-02
4751	491863.09	3860877.25	0.59847	1.04219	0.6424	0.20965	2.42E-03	3.11E-02	4.10E-03	6.62E-04	3.83E-02	2.20E-03	3.36E-08	5.46E-05	1.81E-05	2.27E-03	2.80E-03	3.11E-02	4.10E-03	6.62E-04	3.87E-02
4752	492363.09	3860877.25	0.53629	0.87602	0.7062	0.2211	2.17E-03	2.61E-02	4.50E-03	6.98E-04	3.35E-02	1.97E-03	2.82E-08	6.01E-05	1.90E-05	2.05E-03	2.51E-03	2.61E-02	4.50E-03	6.98E-04	3.38E-02
4753	492863.09	3860877.25	0.51492	0.78927	0.7104	0.21204	2.08E-03	2.35E-02	4.53E-03	6.69E-04	3.08E-02	1.89E-03	2.54E-08	6.04E-05	1.83E-05	1.97E-03	2.41E-03	2.35E-02	4.53E-03	6.69E-04	3.12E-02
4754	493363.09	3860877.25	0.50606	0.75548	0.8224	0.20651	2.05E-03	2.25E-02	5.25E-03	6.52E-04	3.05E-02	1.86E-03	2.43E-08	6.99E-05	1.78E-05	1.95E-03	2.37E-03	2.25E-02	5.25E-03	6.52E-04	3.08E-02

4755	493863.09	3860877.25	0.528	0.69253	0.6705	0.18391	2.13E-03	2.07E-02	4.28E-03	5.81E-04	2.77E-02	1.94E-03	2.23E-08	5.70E-05	1.58E-05	2.01E-03	2.47E-03	2.07E-02	4.28E-03	5.81E-04	2.80E-02
4756	494363.09	3860877.25	0.52613	0.63231	0.6214	0.1911	2.13E-03	1.89E-02	3.96E-03	6.03E-04	2.56E-02	1.93E-03	2.04E-08	5.28E-05	1.65E-05	2.00E-03	2.46E-03	1.89E-02	3.96E-03	6.03E-04	2.59E-02
4757	494863.09	3860877.25	0.61605	0.59218	0.7967	0.1892	2.49E-03	1.77E-02	5.08E-03	5.97E-04	2.58E-02	2.26E-03	1.91E-08	6.78E-05	1.63E-05	2.35E-03	2.88E-03	1.77E-02	5.08E-03	5.97E-04	2.62E-02
4758	495363.09	3860877.25	0.60685	0.55102	0.8002	0.18497	2.45E-03	1.64E-02	5.10E-03	5.84E-04	2.46E-02	2.23E-03	1.78E-08	6.81E-05	1.59E-05	2.32E-03	2.84E-03	1.64E-02	5.10E-03	5.84E-04	2.50E-02
4759	495863.09	3860877.25	0.51432	0.5153	0.9403	0.1808	2.08E-03	1.54E-02	6.00E-03	5.71E-04	2.40E-02	1.89E-03	1.66E-08	8.00E-05	1.56E-05	1.99E-03	2.41E-03	1.54E-02	6.00E-03	5.71E-04	2.43E-02
4760	496363.09	3860877.25	0.52959	0.49389	0.7661	0.17162	2.14E-03	1.47E-02	4.89E-03	5.42E-04	2.23E-02	1.95E-03	1.59E-08	6.52E-05	1.48E-05	2.03E-03	2.48E-03	1.47E-02	4.89E-03	5.42E-04	2.26E-02
4761	496863.09	3860877.25	0.49407	0.40179	0.7536	0.21364	2.00E-03	1.20E-02	4.81E-03	6.75E-04	1.95E-02	1.82E-03	1.29E-08	6.41E-05	1.84E-05	1.90E-03	2.31E-03	1.20E-02	4.81E-03	6.75E-04	1.98E-02
4762	497363.09	3860877.25	0.48008	0.38977	0.7367	0.20252	1.94E-03	1.16E-02	4.70E-03	6.39E-04	1.89E-02	1.77E-03	1.26E-08	6.27E-05	1.74E-05	1.85E-03	2.25E-03	1.16E-02	4.70E-03	6.39E-04	1.92E-02
4763	497863.09	3860877.25	0.48447	0.34963	0.8683	0.22705	1.96E-03	1.04E-02	5.54E-03	7.17E-04	1.86E-02	1.78E-03	1.13E-08	7.38E-05	1.96E-05	1.87E-03	2.27E-03	1.04E-02	5.54E-03	7.17E-04	1.90E-02
4764	498363.09	3860877.25	0.38266	0.38	0.6469	0.17166	1.55E-03	1.13E-02	4.13E-03	5.42E-04	1.76E-02	1.41E-03	1.22E-08	5.50E-05	1.48E-05	1.48E-03	1.79E-03	1.13E-02	4.13E-03	5.42E-04	1.78E-02
4765	471363.09	3861377.25	0.25293	0.16692	0.3125	0.13213	1.02E-03	4.98E-03	1.99E-03	4.17E-04	8.41E-03	9.30E-04	5.38E-09	2.66E-05	1.14E-05	9.68E-04	1.18E-03	4.98E-03	1.99E-03	4.17E-04	8.57E-03
4766	471863.09	3861377.25	0.2461	0.16306	0.3421	0.13053	9.95E-04	4.86E-03	2.18E-03	4.12E-04	8.45E-03	9.05E-04	5.26E-09	2.91E-05	1.12E-05	9.45E-04	1.15E-03	4.86E-03	2.18E-03	4.12E-04	8.61E-03
4767	472363.09	3861377.25	0.27139	0.1561	0.3661	0.13398	1.10E-03	4.66E-03	2.33E-03	4.23E-04	8.51E-03	9.98E-04	5.03E-09	3.11E-05	1.15E-05	1.04E-03	1.27E-03	4.66E-03	2.33E-03	4.23E-04	8.68E-03
4768	472863.09	3861377.25	0.26975	0.15667	0.4353	0.12547	1.09E-03	4.67E-03	2.78E-03	3.96E-04	8.94E-03	9.92E-04	5.05E-09	3.70E-05	1.08E-05	1.04E-03	1.26E-03	4.67E-03	2.78E-03	3.96E-04	9.11E-03
4769	473363.09	3861377.25	0.26176	0.16561	0.4885	0.1315	1.06E-03	4.94E-03	3.12E-03	4.15E-04	9.53E-03	9.62E-04	5.34E-09	4.15E-05	1.13E-05	1.02E-03	1.22E-03	4.94E-03	3.12E-03	4.15E-04	9.70E-03
4770	473863.09	3861377.25	0.26134	0.18716	0.5399	0.13802	1.06E-03	5.58E-03	3.44E-03	4.36E-04	1.05E-02	9.61E-04	6.03E-09	4.59E-05	1.19E-05	1.02E-03	1.22E-03	5.58E-03	3.44E-03	4.36E-04	1.07E-02
4771	474363.09	3861377.25	0.29281	0.21673	0.5829	0.14061	1.18E-03	6.47E-03	3.72E-03	4.44E-04	1.18E-02	1.08E-03	6.99E-09	4.96E-05	1.21E-05	1.14E-03	1.37E-03	6.47E-03	3.72E-03	4.44E-04	1.20E-02
4772	474863.09	3861377.25	0.28132	0.2034	0.5836	0.16047	1.14E-03	6.07E-03	3.72E-03	5.07E-04	1.14E-02	1.03E-03	6.56E-09	4.96E-05	1.38E-05	1.10E-03	1.32E-03	6.07E-03	3.72E-03	5.07E-04	1.16E-02
4773	475363.09	3861377.25	0.29487	0.20823	0.5809	0.15474	1.19E-03	6.21E-03	3.71E-03	4.89E-04	1.16E-02	1.08E-03	6.71E-09	4.94E-05	1.33E-05	1.15E-03	1.38E-03	6.21E-03	3.71E-03	4.89E-04	1.18E-02
4774	475863.09	3861377.25	0.30529	0.19604	0.5604	0.1854	1.23E-03	5.85E-03	3.57E-03	5.85E-04	1.12E-02	1.12E-03	6.32E-09	4.77E-05	1.60E-05	1.19E-03	1.43E-03	5.85E-03	3.57E-03	5.85E-04	1.14E-02
4775	476363.09	3861377.25	0.32304	0.1906	0.5185	0.17933	1.31E-03	5.69E-03	3.31E-03	5.66E-04	1.09E-02	1.19E-03	6.14E-09	4.41E-05	1.54E-05	1.25E-03	1.51E-03	5.69E-03	3.31E-03	5.66E-04	1.11E-02
4776	476863.09	3861377.25	0.32467	0.19011	0.4815	0.18731	1.31E-03	5.67E-03	3.07E-03	5.91E-04	1.06E-02	1.19E-03	6.13E-09	4.09E-05	1.61E-05	1.25E-03	1.52E-03	5.67E-03	3.07E-03	5.91E-04	1.09E-02
4777	477363.09	3861377.25	0.36494	0.18099	0.5664	0.17307	1.48E-03	5.40E-03	3.61E-03	5.46E-04	1.10E-02	1.34E-03	5.83E-09	4.82E-05	1.49E-05	1.40E-03	1.71E-03	5.40E-03	3.61E-03	5.46E-04	1.13E-02
4778	477863.09	3861377.25	0.33156	0.14128	0.57	0.23637	1.34E-03	4.21E-03	3.64E-03	7.46E-04	9.94E-03	1.22E-03	4.55E-09	4.85E-05	2.04E-05	1.29E-03	1.55E-03	4.21E-03	3.64E-03	7.46E-04	1.01E-02
4779	478363.09	3861377.25	0.21063	0.07405	0.5218	0.13011	8.51E-04	2.21E-03	3.33E-03	4.11E-04	6.80E-03	7.74E-04	2.39E-09	4.44E-05	1.12E-05	8.30E-04	9.85E-04	2.21E-03	3.33E-03	4.11E-04	6.93E-03
4780	478863.09	3861377.25	0.25585	0.0895	0.6067	0.14188	1.03E-03	2.67E-03	3.87E-03	4.48E-04	8.02E-03	9.41E-04	2.88E-09	5.16E-05	1.22E-05	1.00E-03	1.20E-03	2.67E-03	3.87E-03	4.48E-04	8.18E-03
4781	479363.09	3861377.25	0.41323	0.18019	0.7004	0.25957	1.67E-03	5.38E-03	4.47E-03	8.20E-04	1.23E-02	1.52E-03	5.81E-09	5.96E-05	2.24E-05	1.60E-03	1.93E-03	5.38E-03	4.47E-03	8.20E-04	1.26E-02
4782	479863.09	3861377.25	0.46615	0.29613	0.6556	0.19548	1.88E-03	8.83E-03	4.18E-03	6.17E-04	1.55E-02	1.71E-03	9.54E-09	5.58E-05	1.68E-05	1.79E-03	2.18E-03	8.83E-03	4.18E-03	6.17E-04	1.58E-02
4783	480363.09	3861377.25	0.49262	0.40903	0.4156	0.12923	1.99E-03	1.22E-02	2.65E-03	4.08E-04	1.73E-02	1.81E-03	1.32E-08	3.53E-05	1.11E-05	1.86E-03	2.30E-03	1.22E-02	2.65E-03	4.08E-04	1.76E-02
4784	480863.09	3861377.25	0.50182	0.46639	0.5969	0.15257	2.03E-03	1.39E-02	3.81E-03	4.82E-04	2.02E-02	1.84E-03	1.50E-08	5.08E-05	1.31E-05	1.91E-03	2.35E-03	1.39E-02	3.81E-03	4.82E-04	2.05E-02
4785	481363.09	3861377.25	0.51672	0.47139	0.6024	0.14823	2.09E-03	1.41E-02	3.84E-03	4.68E-04	2.05E-02	1.90E-03	1.52E-08	5.12E-05	1.28E-05	1.96E-03	2.42E-03	1.41E-02	3.84E-03	4.68E-04	2.08E-02
4786	481863.09	3861377.25	0.45411	0.48802	0.6649	0.15924	1.84E-03	1.46E-02	4.24E-03	5.03E-04	2.11E-02	1.67E-03	1.57E-08	5.65E-05	1.37E-05	1.74E-03	2.12E-03	1.46E-02	4.24E-03	5.03E-04	2.14E-02
4787	482363.09	3861377.25	0.51052	0.55444	0.708	0.16255	2.06E-03	1.65E-02	4.52E-03	5.13E-04	2.36E-02	1.88E-03	1.79E-08	6.02E-05	1.40E-05	1.95E-03	2.39E-03	1.65E-02	4.52E-03	5.13E-04	2.40E-02
4788	482863.09	3861377.25	0.56701	0.61093	0.7417	0.16078	2.29E-03	1.82E-02	4.73E-03	5.08E-04	2.58E-02	2.08E-03	1.97E-08	6.31E-05	1.38E-05	2.16E-03	2.65E-03	1.82E-02	4.73E-03	5.08E-04	2.61E-02
4789	483363.09	3861377.25	0.53137	0.62525	0.7686	0.17478	2.15E-03	1.87E-02	4.90E-03	5.52E-04	2.63E-02	1.95E-03	2.02E-08	6.54E-05	1.51E-05	2.03E-03	2.49E-03	1.87E-02	4.90E-03	5.52E-04	2.66E-02
4790	483863.09	3861377.25	0.51164	0.65861	0.8377	0.17246	2.07E-03	1.96E-02	5.34E-03	5.45E-04	2.76E-02	1.88E-03	2.12E-08	7.12E-05	1.49E-05	1.97E-03	2.39E-03	1.96E-02	5.34E-03	5.45E-04	2.79E-02
4791	484363.09	3861377.25	0.53286	0.75286	0.743	0.16615	2.15E-03	2.25E-02	4.74E-03	5.25E-04	2.99E-02	1.96E-03	2.43E-08	6.32E-05	1.43E-05	2.04E-03	2.49E-03	2.25E-02	4.74E-03	5.25E-04	3.02E-02
4792	484863.09	3861377.25	0.44735	0.79828	0.6744	0.17128	1.81E-03	2.38E-02	4.30E-03	5.41E-04	3.05E-02	1.64E-03	2.57E-08	5.74E-05	1.47E-05	1.72E-03	2.09E-03	2.38E-02	4.30E-03	5.41E-04	3.07E-02
4793	485363.09	3861377.25	0.43289	0.87243	0.3806	0.20476	1.75E-03	2.60E-02	2.43E-03	6.47E-04	3.09E-02	1.59E-03	2.81E-08	3.24E-05	1.76E-05	1.64E-03	2.02E-03	2.60E-02	2.43E-03	6.47E-04	3.11E-02
4794	485863.09	3861377.25	0.44149	0.95235	0.4876	0.19063	1.78E-03	2.84E-02	3.11E-03	6.02E-04	3.39E-02	1.62E-03	3.07E-08	4.15E-05	1.64E-05	1.68E-03	2.06E-03	2.84E-02	3.11E-03	6.02E-04	3.42E-02
4795	486363.09	3861377.25	0.47677	1.07413	0.4913	0.1979	1.93E-03	3.20E-02	3.13E-03	6.25E-04	3.77E-02	1.75E-03	3.46E-08	4.18E-05	1.70E-05	1.81E-03	2.23E-03	3.20E-02	3.13E-03	6.25E-04	3.80E-02
4796	486863.09	3861377.25	0.50304	1.12137	0.2984	0.18599	2.03E-03	3.35E-02	1.90E-03	5.87E-04	3.80E-02	1.85E-03	3.61E-08	2.54E-05	1.60E-05	1.89E-03	2.35E-03	3.35E-02	1.90E-03	5.87E-04	3.83E-02
4797	487363.09	3861377.25	0.51584	1.29238	0.2755	0.20494	2.09E-03	3.86E-02	1.76E-03	6.47E-04	4.30E-02	1.90E-03	4.17E-08	2.34E-05	1.76E-05	1.94E-03	2.41E-03	3.86E-02	1.76E-03	6.47E-04	4.34E-02
4798	487863.09	3861377.25	0.57408	1.19525	0.38	0.16307	2.32E-03	3.57E-02	2.42E-03	5.15E-04	4.09E-02	2.11E-03	3.85E-08	3.23E-05	1.40E-05	2.16E-03	2.68E-03	3.57E-02	2.42E-03	5.15E-04	4.13E-02
4799	488363.09	3861377.25	0.59238	1.35901	0.5351	0.17859	2.39E-03	4.05E-02	3.41E-03	5.64E-04	4.69E-02	2.18E-03	4.38E-08	4.55E-05	1.54E-05	2.24E-03	2.77E-03	4.05E-02	3.41E-03	5.64E-04	4.73E-02
4800	488863.09	3861377.25	0.61764	1.36641	0.2023	0.24804	2.50E-03	4.08E-02	1.29E-03	7.83E-04	4.53E-02	2.27E-03	4.40E-08	1.72E-05	2.14E-05	2.31E-03	2.89E-03	4.08E-02	1.29E-03	7.83E-04	4.57E-02
4801	489363.09	3861377.25	0.66643	1.37061	0.2057	0.28663	2.69E-03	4.09E-02	1.31E-03	9.05E-04	4.58E-02	2.45E-03	4.42E-08	1.75E-05	2.47E-05	2.49E-03	3.12E-03	4.09E-02	1.31E-03	9.05E-04	4.62E-02
4802	489863.09	3861377.25	0.63898	1.40793	0.5463	0.35357	2.58E-03	4.20E-02	3.48E-03	1.12E-03	4.92E-02	2.35E-03	4.54E-08	4.65E-05	3.04E-05	2.43E-03	2.99E-03	4.20E-02	3.48E-03	1.12E-03	4.96E-02
4803	490363.09	3861377.25	0.61139	1.21074	0.8721	0.30202	2.47E-03	3.61E-02	5.56E-03	9.54E-04	4.51E-02	2.25E-03	3.90E-08	7.42E-05	2.60E-05	2.35E-03	2.86E-03	3.61E-02	5.56E-03	9.54E-04	4.55E-02
4804	490863.09	3861377.25	0.64637	1.10982	0.8375	0.27791	2.61E-03	3.31E-02	5.34E-03	8.77E-04	4.19E-02	2.38E-03	3.58E-08	7.12E-05	2.39E-05	2.47E-03	3.02E-03	3.31E-02	5.34E-03	8.77E-04	4.24E-02
4805	491363.09	3861377.25	0.62901	0.98721	0.6811	0.26599	2.54E-03	2.95E-02	4.34E-03	8.40E-04	3.72E-02	2.31E-03	3.18E-08	5.79E-05	2.29E-05	2.39E-03	2.94E-03	2.95E-02	4.34E-03	8.40E-04	3.76E-02
4806	491863.09	3861377.25	0.53609	0.98626	0.8415	0.20915	2.17E-03	2.94E-02	5.37E-03	6.60E-04	3.76E-02	1.97E-03	3.18E-08	7.16E-05	1.80E-05	2.06E-03	2.51E-03	2.94E-02	5.37E-03	6.60E-04	3.80E-02
4807	492363.09	3861377.25	0.51284	0.83296	0.6448	0.2041	2.07E-03	2.48E-02	4.11E-03	6.44E-04	3.17E-02	1.89E-03	2.68E-08	5.48E-05	1.76E-05	1.96E-03	2.40E-03	2.49E-02	4.11E-03	6.44E-04	3.20E-02
4808	492863.09	3861377.25	0.47053	0.76824	0.5713	0.19303	1.90E-03	2.29E-02	3.64E-03	6.09E-04	2.91E-02	1.73E-03	2.48E-08	4.86E-05	1.66E-05	1.80E-03	2.20E-03	2.29E-02	3.64E-03	6.09E-04	2.94E-02
4809	493363.09	3861377.25	0.45708	0.66359	0.6274	0.20685	1.85E-03	1.98E-02	4.00E-03	6.53E-04	2.63E-02	1.68E-03	2.14E-08	5.34E-05	1.78E-05	1.75E-03	2.14E-03	1.98E-02	4.00E-03	6.53E-04	2.66E-02
4810	493863.09	3861377.25	0.40847	0.59566	0.6227	0.16942	1.65E-03	1.78E-02	3.97E-03	5.35E-04	2.39E-02	1.50E-03	1.92E-08	5.30E-05	1.46E-05	1.57E-03	1.91E-03	1.78E-02	3.97E-03	5.35E-04	2.42E-02
4811	494363.09	3861377.25	0.42731	0.5551	0.66	0.15886	1.73E-03	1.66E-02	4.21E-03	5.02E-04	2.30E-02	1.57E-03	1.79E-08	5.61E-05	1.37E-05	1.64E-03	2.00E-03	1.66E-02	4.21E-03	5.02E-04	2.33E-02
4812	494863.09	3861377.25	0.43649	0.53081	0.5788	0.15474	1.76E-03	1.58E-02	3.69E-03	4.89E-04	2.18E-02	1.60E-03	1.71E-08	4.92E-05	1.33E-05	1.67E-03	2.04E-03	1.58E-02	3.69E-03	4.89E-04	2.21E-02
4813	495363.09	3861377.25	0.4394	0.50505	0.5227	0.15967	1.78E-03	1.51E-02	3.33E-03	5.04E-04	2.07E-02	1.62E-03	1.63E-08	4.44E-05	1.37E-05	1.67E-03	2.05E-03	1.51E-02	3.33E-03	5.04E-04	2.10E-02
4814	495863.09	3861377.25	0.51239	0.48244	0.601	0.16569	2.07E-03	1.44E-02	3.83E-03	5.23E-04	2.08E-02	1.88E-03	1.55E-08	5.11E-05	1.43E-05	1.95E-03	2.40E-03	1.44E-02	3.83E-03	5.23E-04	2.11E-02
4815	496363.09	3861377.25	0.51764	0.44523	0.6146	0.17441	2.09E-03	1.33E-02	3.92E-03	5.51E-04	1.98E-02	1.90E-03	1.44E-08	5.23E-05	1.50E-05	1.97E-03	2.42E-03	1.33E-02	3.92E-03	5.51E-04	2.02E-02

4816	496863.09	3861377.25	0.45103	0.43551	0.7543	0.1795	1.82E-03	1.30E-02	4.81E-03	5.67E-04	2.02E-02	1.66E-03	1.40E-08	6.42E-05	1.55E-05	1.74E-03	2.11E-03	1.30E-02	4.81E-03	5.67E-04	2.05E-02
4817	497363.09	3861377.25	0.45198	0.42767	0.8566	0.174	1.83E-03	1.28E-02	5.46E-03	5.49E-04	2.06E-02	1.66E-03	1.38E-08	7.29E-05	1.50E-05	1.75E-03	2.11E-03	1.28E-02	5.46E-03	5.49E-04	2.09E-02
4818	497863.09	3861377.25	0.43663	0.40475	0.6786	0.17314	1.76E-03	1.21E-02	4.33E-03	5.47E-04	1.87E-02	1.61E-03	1.30E-08	5.77E-05	1.49E-05	1.68E-03	2.04E-03	1.21E-02	4.33E-03	5.47E-04	1.90E-02
4819	498363.09	3861377.25	0.39034	0.3871	0.6715	0.17101	1.58E-03	1.15E-02	4.28E-03	5.40E-04	1.79E-02	1.44E-03	1.25E-08	5.71E-05	1.47E-05	1.51E-03	1.83E-03	1.15E-02	4.28E-03	5.40E-04	1.82E-02
4820	471363.09	3861877.25	0.23991	0.14633	0.4501	0.12224	9.70E-04	4.37E-03	2.87E-03	3.86E-04	8.59E-03	8.82E-04	4.72E-09	3.83E-05	1.05E-05	9.31E-04	1.12E-03	4.37E-03	2.87E-03	3.86E-04	8.74E-03
4821	471863.09	3861877.25	0.23772	0.15594	0.4912	0.12181	9.61E-04	4.65E-03	3.13E-03	3.85E-04	9.13E-03	8.74E-04	5.03E-09	4.18E-05	1.05E-05	9.26E-04	1.11E-03	4.65E-03	3.13E-03	3.85E-04	9.28E-03
4822	472363.09	3861877.25	0.23189	0.16894	0.5248	0.12868	9.37E-04	5.04E-03	3.35E-03	4.06E-04	9.73E-03	8.53E-04	5.45E-09	4.46E-05	1.11E-05	9.08E-04	1.08E-03	5.04E-03	3.35E-03	4.06E-04	9.88E-03
4823	472863.09	3861877.25	0.24275	0.18588	0.5169	0.12402	9.81E-04	5.55E-03	3.30E-03	3.92E-04	1.02E-02	8.92E-04	5.99E-09	4.40E-05	1.07E-05	9.47E-04	1.14E-03	5.55E-03	3.30E-03	3.92E-04	1.04E-02
4824	473363.09	3861877.25	0.25272	0.20302	0.5158	0.11807	1.02E-03	6.06E-03	3.29E-03	3.73E-04	1.07E-02	9.29E-04	6.54E-09	4.39E-05	1.02E-05	9.83E-04	1.18E-03	6.06E-03	3.29E-03	3.73E-04	1.09E-02
4825	473863.09	3861877.25	0.25964	0.20496	0.507	0.13158	1.05E-03	6.11E-03	3.23E-03	4.15E-04	1.08E-02	9.55E-04	6.61E-09	4.31E-05	1.13E-05	1.01E-03	1.21E-03	6.11E-03	3.23E-03	4.15E-04	1.10E-02
4826	474363.09	3861877.25	0.26316	0.19491	0.476	0.13189	1.06E-03	5.81E-03	3.04E-03	4.16E-04	1.03E-02	9.68E-04	6.28E-09	4.05E-05	1.14E-05	1.02E-03	1.23E-03	5.81E-03	3.04E-03	4.16E-04	1.05E-02
4827	474863.09	3861877.25	0.27901	0.19978	0.4374	0.13824	1.13E-03	5.96E-03	2.79E-03	4.36E-04	1.03E-02	1.03E-03	6.44E-09	3.72E-05	1.19E-05	1.07E-03	1.30E-03	5.96E-03	2.79E-03	4.36E-04	1.05E-02
4828	475363.09	3861877.25	0.29878	0.22062	0.4236	0.14214	1.21E-03	6.58E-03	2.70E-03	4.49E-04	1.09E-02	1.10E-03	7.11E-09	3.60E-05	1.22E-05	1.15E-03	1.40E-03	6.58E-03	2.70E-03	4.49E-04	1.11E-02
4829	475863.09	3861877.25	0.30182	0.23347	0.4538	0.12842	1.22E-03	6.97E-03	2.89E-03	4.05E-04	1.15E-02	1.11E-03	7.52E-09	3.86E-05	1.11E-05	1.16E-03	1.41E-03	6.97E-03	2.89E-03	4.05E-04	1.17E-02
4830	476363.09	3861877.25	0.31128	0.23151	0.4593	0.14984	1.26E-03	6.91E-03	2.93E-03	4.73E-04	1.16E-02	1.14E-03	7.46E-09	3.91E-05	1.29E-05	1.20E-03	1.46E-03	6.91E-03	2.93E-03	4.73E-04	1.18E-02
4831	476863.09	3861877.25	0.34107	0.22596	0.4721	0.15082	1.38E-03	6.74E-03	3.01E-03	4.76E-04	1.16E-02	1.25E-03	7.28E-09	4.02E-05	1.30E-05	1.31E-03	1.60E-03	6.74E-03	3.01E-03	4.76E-04	1.18E-02
4832	477363.09	3861877.25	0.33236	0.22139	0.5183	0.16548	1.34E-03	6.60E-03	3.31E-03	5.22E-04	1.18E-02	1.22E-03	7.14E-09	4.41E-05	1.42E-05	1.28E-03	1.55E-03	6.60E-03	3.31E-03	5.22E-04	1.20E-02
4833	477863.09	3861877.25	0.32139	0.14009	0.5925	0.25316	1.30E-03	4.18E-03	3.78E-03	7.99E-04	1.01E-02	1.18E-03	4.52E-09	5.04E-05	2.18E-05	1.25E-03	1.50E-03	4.18E-03	3.78E-03	7.99E-04	1.03E-02
4834	478363.09	3861877.25	0.16947	0.06038	0.5539	0.10668	6.85E-04	1.80E-03	3.53E-03	3.37E-04	6.36E-03	6.23E-04	1.95E-09	4.71E-05	9.19E-06	6.79E-04	7.93E-04	1.80E-03	3.53E-03	3.37E-04	6.46E-03
4835	478863.09	3861877.25	0.2919	0.0992	0.6035	0.1593	1.18E-03	2.96E-03	3.85E-03	5.03E-04	8.49E-03	1.07E-03	3.20E-09	5.13E-05	1.37E-05	1.14E-03	1.37E-03	2.96E-03	3.85E-03	5.03E-04	8.68E-03
4836	479363.09	3861877.25	0.25347	0.0866	0.487	0.14133	1.02E-03	2.58E-03	3.11E-03	4.46E-04	7.16E-03	9.32E-04	2.79E-09	4.14E-05	1.22E-05	9.85E-04	1.19E-03	2.58E-03	3.11E-03	4.46E-04	7.32E-03
4837	479863.09	3861877.25	0.44945	0.29803	0.584	0.17736	1.82E-03	8.89E-03	3.73E-03	5.60E-04	1.50E-02	1.65E-03	9.61E-09	4.97E-05	1.53E-05	1.72E-03	2.10E-03	8.89E-03	3.73E-03	5.60E-04	1.53E-02
4838	480363.09	3861877.25	0.46479	0.3919	0.5252	0.14269	1.88E-03	1.17E-02	3.35E-03	4.51E-04	1.74E-02	1.71E-03	1.26E-08	4.47E-05	1.23E-05	1.77E-03	2.17E-03	1.17E-02	3.35E-03	4.51E-04	1.77E-02
4839	480863.09	3861877.25	0.44233	0.4075	0.6272	0.13683	1.79E-03	1.22E-02	4.00E-03	4.32E-04	1.84E-02	1.63E-03	1.31E-08	5.33E-05	1.18E-05	1.69E-03	2.07E-03	1.22E-02	4.00E-03	4.32E-04	1.87E-02
4840	481363.09	3861877.25	0.38847	0.4553	0.64	0.1385	1.57E-03	1.36E-02	4.08E-03	4.37E-04	1.97E-02	1.43E-03	1.47E-08	5.44E-05	1.19E-05	1.49E-03	1.82E-03	1.36E-02	4.08E-03	4.37E-04	1.99E-02
4841	481863.09	3861877.25	0.43354	0.46688	0.7091	0.1621	1.75E-03	1.39E-02	4.52E-03	5.12E-04	2.07E-02	1.59E-03	1.50E-08	6.03E-05	1.40E-05	1.67E-03	2.03E-03	1.39E-02	4.52E-03	5.12E-04	2.10E-02
4842	482363.09	3861877.25	0.45736	0.52183	0.6559	0.14821	1.85E-03	1.56E-02	4.18E-03	4.68E-04	2.21E-02	1.68E-03	1.68E-08	5.58E-05	1.28E-05	1.75E-03	2.14E-03	1.56E-02	4.18E-03	4.68E-04	2.24E-02
4843	482863.09	3861877.25	0.4925	0.54949	0.7202	0.15151	1.99E-03	1.64E-02	4.59E-03	4.78E-04	2.35E-02	1.81E-03	1.77E-08	6.13E-05	1.30E-05	1.88E-03	2.30E-03	1.64E-02	4.59E-03	4.78E-04	2.38E-02
4844	483363.09	3861877.25	0.4784	0.57456	0.6838	0.18203	1.93E-03	1.71E-02	4.36E-03	5.75E-04	2.40E-02	1.76E-03	1.85E-08	5.82E-05	1.57E-05	1.83E-03	2.24E-03	1.71E-02	4.36E-03	5.75E-04	2.43E-02
4845	483863.09	3861877.25	0.46437	0.60178	0.6549	0.17063	1.88E-03	1.80E-02	4.18E-03	5.39E-04	2.45E-02	1.71E-03	1.94E-08	5.57E-05	1.47E-05	1.78E-03	2.17E-03	1.80E-02	4.18E-03	5.39E-04	2.48E-02
4846	484363.09	3861877.25	0.44552	0.6593	0.5854	0.1885	1.80E-03	1.97E-02	3.73E-03	5.95E-04	2.58E-02	1.64E-03	2.12E-08	4.98E-05	1.62E-05	1.70E-03	2.08E-03	1.97E-02	3.73E-03	5.95E-04	2.61E-02
4847	484863.09	3861877.25	0.43108	0.68907	0.4708	0.18344	1.74E-03	2.06E-02	3.00E-03	5.79E-04	2.59E-02	1.58E-03	2.22E-08	4.00E-05	1.58E-05	1.64E-03	2.02E-03	2.06E-02	3.00E-03	5.79E-04	2.62E-02
4848	485363.09	3861877.25	0.38387	0.73938	0.3445	0.18717	1.55E-03	2.21E-02	2.20E-03	5.91E-04	2.64E-02	1.41E-03	2.38E-08	2.93E-05	1.61E-05	1.46E-03	1.80E-03	2.21E-02	2.20E-03	5.91E-04	2.66E-02
4849	485863.09	3861877.25	0.39103	0.7773	0.5207	0.1839	1.58E-03	2.32E-02	3.32E-03	5.81E-04	2.87E-02	1.44E-03	2.51E-08	4.43E-05	1.58E-05	1.50E-03	1.83E-03	2.32E-02	3.32E-03	5.81E-04	2.89E-02
4850	486363.09	3861877.25	0.42532	0.82991	0.3296	0.14998	1.72E-03	2.48E-02	2.10E-03	4.74E-04	2.91E-02	1.56E-03	2.67E-08	2.80E-05	1.29E-05	1.60E-03	1.99E-03	2.48E-02	2.10E-03	4.74E-04	2.93E-02
4851	486863.09	3861877.25	0.43799	0.81474	0.2785	0.15455	1.77E-03	2.43E-02	1.78E-03	4.88E-04	2.83E-02	1.61E-03	2.63E-08	2.37E-05	1.33E-05	1.65E-03	2.05E-03	2.43E-02	1.78E-03	4.88E-04	2.86E-02
4852	487363.09	3861877.25	0.48904	0.89125	0.26	0.12641	1.98E-03	2.66E-02	1.66E-03	3.99E-04	3.06E-02	1.80E-03	2.87E-08	2.21E-05	1.09E-05	1.83E-03	2.29E-03	2.66E-02	1.66E-03	3.99E-04	3.09E-02
4853	487863.09	3861877.25	0.50353	0.8589	0.4426	0.15675	2.04E-03	2.56E-02	2.82E-03	4.95E-04	3.10E-02	1.85E-03	2.77E-08	3.76E-05	1.35E-05	1.90E-03	2.35E-03	2.56E-02	2.82E-03	4.95E-04	3.13E-02
4854	488363.09	3861877.25	0.53254	0.95034	0.5859	0.16164	2.15E-03	2.84E-02	3.74E-03	5.10E-04	3.48E-02	1.96E-03	3.06E-08	4.98E-05	1.39E-05	2.02E-03	2.49E-03	2.84E-02	3.74E-03	5.10E-04	3.51E-02
4855	488863.09	3861877.25	0.54005	1.02448	0.2238	0.19181	2.18E-03	3.06E-02	1.43E-03	6.06E-04	3.48E-02	1.99E-03	3.30E-08	1.90E-05	1.65E-05	2.02E-03	2.53E-03	3.06E-02	1.43E-03	6.06E-04	3.51E-02
4856	489363.09	3861877.25	0.58047	1.02408	0.2203	0.22985	2.35E-03	3.06E-02	1.40E-03	7.26E-04	3.50E-02	2.13E-03	3.30E-08	1.87E-05	1.98E-05	2.17E-03	2.71E-03	3.06E-02	1.40E-03	7.26E-04	3.54E-02
4857	489863.09	3861877.25	0.56208	1.03598	0.1495	0.26752	2.27E-03	3.09E-02	9.54E-04	8.45E-04	3.50E-02	2.07E-03	3.34E-08	1.27E-05	2.30E-05	2.10E-03	2.63E-03	3.09E-02	9.54E-04	8.45E-04	3.53E-02
4858	490363.09	3861877.25	0.56443	1.00832	0.5394	0.31465	2.28E-03	3.01E-02	3.44E-03	9.93E-04	3.68E-02	2.08E-03	3.25E-08	4.59E-05	2.71E-05	2.15E-03	2.64E-03	3.01E-02	3.44E-03	9.93E-04	3.72E-02
4859	490863.09	3861877.25	0.54436	0.9224	0.8133	0.29237	2.20E-03	2.75E-02	5.19E-03	9.23E-04	3.58E-02	2.00E-03	2.97E-08	6.92E-05	2.52E-05	2.10E-03	2.55E-03	2.75E-02	5.19E-03	9.23E-04	3.62E-02
4860	491363.09	3861877.25	0.53992	0.82226	0.6952	0.24618	2.18E-03	2.45E-02	4.43E-03	7.77E-04	3.19E-02	1.99E-03	2.65E-08	5.91E-05	2.12E-05	2.07E-03	2.52E-03	2.45E-02	4.43E-03	7.77E-04	3.23E-02
4861	491863.09	3861877.25	0.55203	0.72163	0.6006	0.23016	2.23E-03	2.15E-02	3.83E-03	7.27E-04	2.83E-02	2.03E-03	2.33E-08	5.11E-05	1.98E-05	2.10E-03	2.58E-03	2.15E-02	3.83E-03	7.27E-04	2.87E-02
4862	492363.09	3861877.25	0.48446	0.6973	0.8861	0.21875	1.96E-03	2.08E-02	5.65E-03	6.91E-04	2.91E-02	1.78E-03	2.25E-08	7.54E-05	1.88E-05	1.88E-03	2.27E-03	2.08E-02	5.65E-03	6.91E-04	2.94E-02
4863	492863.09	3861877.25	0.46036	0.74961	0.6488	0.21163	1.86E-03	2.24E-02	4.14E-03	6.68E-04	2.90E-02	1.69E-03	2.42E-08	5.52E-05	1.82E-05	1.77E-03	2.15E-03	2.24E-02	4.14E-03	6.68E-04	2.93E-02
4864	493363.09	3861877.25	0.41293	0.69546	0.5294	0.1969	1.67E-03	2.07E-02	3.38E-03	6.22E-04	2.64E-02	1.52E-03	2.24E-08	4.50E-05	1.70E-05	1.58E-03	1.93E-03	2.07E-02	3.38E-03	6.22E-04	2.67E-02
4865	493863.09	3861877.25	0.38907	0.62015	0.5057	0.18536	1.57E-03	1.85E-02	3.23E-03	5.85E-04	2.39E-02	1.43E-03	2.00E-08	4.30E-05	1.60E-05	1.49E-03	1.82E-03	1.85E-02	3.23E-03	5.85E-04	2.41E-02
4866	494363.09	3861877.25	0.38175	0.55132	0.546	0.17145	1.54E-03	1.64E-02	3.48E-03	5.41E-04	2.20E-02	1.40E-03	1.78E-08	4.64E-05	1.48E-05	1.46E-03	1.79E-03	1.64E-02	3.48E-03	5.41E-04	2.23E-02
4867	494863.09	3861877.25	0.36959	0.46131	0.5521	0.16828	1.49E-03	1.38E-02	3.52E-03	5.31E-04	1.93E-02	1.36E-03	1.49E-08	4.70E-05	1.45E-05	1.42E-03	1.73E-03	1.38E-02	3.52E-03	5.31E-04	1.95E-02
4868	495363.09	3861877.25	0.37106	0.44259	0.5636	0.15172	1.50E-03	1.32E-02	3.59E-03	4.79E-04	1.88E-02	1.36E-03	1.43E-08	4.79E-05	1.31E-05	1.43E-03	1.74E-03	1.32E-02	3.59E-03	4.79E-04	1.90E-02
4869	495863.09	3861877.25	0.37761	0.43167	0.5061	0.14558	1.53E-03	1.29E-02	3.23E-03	4.60E-04	1.81E-02	1.39E-03	1.39E-08	4.30E-05	1.25E-05	1.44E-03	1.77E-03	1.29E-02	3.23E-03	4.60E-04	1.83E-02
4870	496363.09	3861877.25	0.38778	0.40624	0.4621	0.14548	1.57E-03	1.21E-02	2.95E-03	4.59E-04	1.71E-02	1.43E-03	1.31E-08	3.93E-05	1.25E-05	1.48E-03	1.81E-03	1.21E-02	2.95E-03	4.59E-04	1.73E-02
4871	496863.09	3861877.25	0.48123	0.39262	0.5956	0.15716	1.95E-03	1.17E-02	3.80E-03	4.96E-04	1.80E-02	1.77E-03	1.27E-08	5.07E-05	1.35E-05	1.83E-03	2.25E-03	1.17E-02	3.80E-03	4.96E-04	1.83E-02
4872	497363.09	3861877.25	0.45542	0.36113	0.5592	0.15756	1.84E-03	1.08E-02	3.57E-03	4.97E-04	1.67E-02	1.67E-03	1.16E-08	4.76E-05	1.36E-05	1.74E-03	2.13E-03	1.08E-02	3.57E-03	4.97E-04	1.70E-02
4873	497863.09	3861877.25	0.38837	0.35055	0.5231	0.15625	1.57E-03	1.05E-02	3.34E-03	4.93E-04	1.59E-02	1.43E-03	1.13E-08	4.45E-05	1.35E-05	1.49E-03	1.82E-03	1.05E-02	3.34E-03	4.93E-04	1.61E-02
4874	498363.09	3861877.25	0.36089	0.33999	0.611	0.1606	1.46E-03	1.01E-02	3.90E-03	5.07E-04	1.60E-02	1.33E-03	1.10E-08	5.20E-05	1.38E-05	1.39E-03	1.69E-03	1.01E-02	3.90E-03	5.07E-04	1.62E-02
4875	471363.09	3862377.25	0.20968	0.14969	0.4582	0.11226	8.48E-04	4.47E-03	2.92E-03	3.54E-04	8.59E-03	7.71E-04	4.82E-09	3.90E-05	9.67E-06	8.20E-04	9.81E-04	4.47E-03	2.92E-03	3.54E-04	8.72E-03
4876	471863.09	3862377.25	0.22232	0.15084	0.4608	0.11645	8.99E-04	4.50E-03	2.94E-03	3.68E-04	8.71E-03	8.17E-04	4.86E-09	3.92E-05	1.00E-05	8.67E-04	1.04E-03	4.50E-03	2.94E-03	3.68E-04	8.85E-03

4877	472363.09	3862377.25	0.2376	0.16477	0.4366	0.10427	9.60E-04	4.92E-03	2.79E-03	3.29E-04	8.99E-03	8.74E-04	5.31E-09	3.71E-05	8.98E-06	9.20E-04	1.11E-03	4.92E-03	2.79E-03	3.29E-04	9.14E-03
4878	472863.09	3862377.25	0.23922	0.17785	0.4064	0.10559	9.67E-04	5.31E-03	2.59E-03	3.33E-04	9.20E-03	8.79E-04	5.73E-09	3.46E-05	9.09E-06	9.23E-04	1.12E-03	5.31E-03	2.59E-03	3.33E-04	9.35E-03
4879	473363.09	3862377.25	0.23602	0.185	0.3744	0.11319	9.54E-04	5.52E-03	2.39E-03	3.57E-04	9.22E-03	8.68E-04	5.96E-09	3.18E-05	9.75E-06	9.09E-04	1.10E-03	5.52E-03	2.39E-03	3.57E-04	9.37E-03
4880	473863.09	3862377.25	0.24165	0.19295	0.3531	0.11157	9.77E-04	5.76E-03	2.25E-03	3.52E-04	9.34E-03	8.88E-04	6.22E-09	3.00E-05	9.61E-06	9.28E-04	1.13E-03	5.76E-03	2.25E-03	3.52E-04	9.49E-03
4881	474363.09	3862377.25	0.26935	0.20268	0.4164	0.11374	1.09E-03	6.05E-03	2.66E-03	3.59E-04	1.02E-02	9.90E-04	6.53E-09	3.54E-05	9.79E-06	1.04E-03	1.26E-03	6.05E-03	2.66E-03	3.59E-04	1.03E-02
4882	474863.09	3862377.25	0.27898	0.21125	0.4135	0.12595	1.13E-03	6.30E-03	2.64E-03	3.98E-04	1.05E-02	1.03E-03	6.81E-09	3.52E-05	1.08E-05	1.07E-03	1.30E-03	6.30E-03	2.64E-03	3.98E-04	1.06E-02
4883	475363.09	3862377.25	0.28539	0.22464	0.431	0.12735	1.15E-03	6.70E-03	2.75E-03	4.02E-04	1.10E-02	1.05E-03	7.24E-09	3.67E-05	1.10E-05	1.10E-03	1.33E-03	6.70E-03	2.75E-03	4.02E-04	1.12E-02
4884	475863.09	3862377.25	0.30254	0.23663	0.4575	0.12843	1.22E-03	7.06E-03	2.92E-03	4.06E-04	1.16E-02	1.11E-03	7.63E-09	3.89E-05	1.11E-05	1.16E-03	1.41E-03	7.06E-03	2.92E-03	4.06E-04	1.18E-02
4885	476363.09	3862377.25	0.28947	0.24309	0.5061	0.12317	1.17E-03	7.25E-03	3.23E-03	3.89E-04	1.20E-02	1.06E-03	7.83E-09	4.30E-05	1.06E-05	1.12E-03	1.35E-03	7.25E-03	3.23E-03	3.89E-04	1.22E-02
4886	476863.09	3862377.25	0.30678	0.24789	0.4829	0.12821	1.24E-03	7.40E-03	3.08E-03	4.05E-04	1.21E-02	1.13E-03	7.99E-09	4.11E-05	1.10E-05	1.18E-03	1.43E-03	7.40E-03	3.08E-03	4.05E-04	1.23E-02
4887	477363.09	3862377.25	0.32901	0.23964	0.5333	0.13877	1.33E-03	7.15E-03	3.40E-03	4.38E-04	1.23E-02	1.21E-03	7.72E-09	4.54E-05	1.19E-05	1.27E-03	1.54E-03	7.15E-03	3.40E-03	4.38E-04	1.25E-02
4888	477863.09	3862377.25	0.31994	0.16042	0.5602	0.23823	1.29E-03	4.79E-03	3.57E-03	7.52E-04	1.04E-02	1.18E-03	5.17E-09	4.76E-05	2.05E-05	1.24E-03	1.50E-03	4.79E-03	3.57E-03	7.52E-04	1.06E-02
4889	478363.09	3862377.25	0.27716	0.11183	0.5561	0.16303	1.12E-03	3.34E-03	3.55E-03	5.15E-04	8.52E-03	1.02E-03	3.60E-09	4.73E-05	1.40E-05	1.08E-03	1.30E-03	3.34E-03	3.55E-03	5.15E-04	8.69E-03
4890	478863.09	3862377.25	0.32219	0.12754	0.5169	0.1707	1.30E-03	3.80E-03	3.30E-03	5.39E-04	8.94E-03	1.18E-03	4.11E-09	4.40E-05	1.47E-05	1.24E-03	1.51E-03	3.80E-03	3.30E-03	5.39E-04	9.15E-03
4891	479363.09	3862377.25	0.36942	0.16151	0.561	0.16585	1.49E-03	4.82E-03	3.58E-03	5.24E-04	1.04E-02	1.36E-03	5.21E-09	4.77E-05	1.43E-05	1.42E-03	1.73E-03	4.82E-03	3.58E-03	5.24E-04	1.06E-02
4892	479863.09	3862377.25	0.42609	0.30159	0.5676	0.14627	1.72E-03	9.00E-03	3.62E-03	4.62E-04	1.48E-02	1.57E-03	9.72E-09	4.83E-05	1.26E-05	1.63E-03	1.99E-03	9.00E-03	3.62E-03	4.62E-04	1.51E-02
4893	480363.09	3862377.25	0.39014	0.35588	0.6126	0.13289	1.58E-03	1.06E-02	3.91E-03	4.20E-04	1.65E-02	1.43E-03	1.15E-08	5.21E-05	1.14E-05	1.50E-03	1.82E-03	1.06E-02	3.91E-03	4.20E-04	1.68E-02
4894	480863.09	3862377.25	0.35471	0.3723	0.6402	0.13541	1.43E-03	1.11E-02	4.08E-03	4.28E-04	1.71E-02	1.30E-03	1.20E-08	5.44E-05	1.17E-05	1.37E-03	1.66E-03	1.11E-02	4.08E-03	4.28E-04	1.73E-02
4895	481363.09	3862377.25	0.36158	0.40366	0.668	0.14502	1.46E-03	1.20E-02	4.26E-03	4.58E-04	1.82E-02	1.33E-03	1.30E-08	5.68E-05	1.25E-05	1.40E-03	1.69E-03	1.20E-02	4.26E-03	4.58E-04	1.85E-02
4896	481863.09	3862377.25	0.41921	0.44621	0.601	0.14786	1.69E-03	1.33E-02	3.83E-03	4.67E-04	1.93E-02	1.54E-03	1.44E-08	5.11E-05	1.27E-05	1.61E-03	1.96E-03	1.33E-02	3.83E-03	4.67E-04	1.96E-02
4897	482363.09	3862377.25	0.4299	0.47578	0.6892	0.14409	1.74E-03	1.42E-02	4.40E-03	4.55E-04	2.08E-02	1.58E-03	1.53E-08	5.86E-05	1.24E-05	1.65E-03	2.01E-03	1.42E-02	4.40E-03	4.55E-04	2.11E-02
4898	482863.09	3862377.25	0.4474	0.47738	0.6309	0.1628	1.81E-03	1.42E-02	4.02E-03	5.14E-04	2.06E-02	1.64E-03	1.54E-08	5.37E-05	1.40E-05	1.71E-03	2.09E-03	1.42E-02	4.02E-03	5.14E-04	2.09E-02
4899	483363.09	3862377.25	0.44882	0.49633	0.6172	0.15653	1.81E-03	1.48E-02	3.94E-03	4.94E-04	2.11E-02	1.65E-03	1.60E-08	5.25E-05	1.35E-05	1.72E-03	2.10E-03	1.48E-02	3.94E-03	4.94E-04	2.13E-02
4900	483863.09	3862377.25	0.42159	0.55293	0.4975	0.16814	1.70E-03	1.65E-02	3.17E-03	5.31E-04	2.19E-02	1.55E-03	1.78E-08	4.23E-05	1.45E-05	1.61E-03	1.97E-03	1.65E-02	3.17E-03	5.31E-04	2.22E-02
4901	484363.09	3862377.25	0.39559	0.58875	0.4585	0.18789	1.60E-03	1.76E-02	2.92E-03	5.93E-04	2.27E-02	1.45E-03	1.90E-08	3.90E-05	1.62E-05	1.51E-03	1.85E-03	1.76E-02	2.92E-03	5.93E-04	2.29E-02
4902	484863.09	3862377.25	0.38804	0.60606	0.3441	0.18751	1.57E-03	1.81E-02	2.20E-03	5.92E-04	2.24E-02	1.43E-03	1.95E-08	2.93E-05	1.61E-05	1.47E-03	1.81E-03	1.81E-02	2.20E-03	5.92E-04	2.27E-02
4903	485363.09	3862377.25	0.36552	0.60655	0.4198	0.18174	1.48E-03	1.81E-02	2.68E-03	5.74E-04	2.28E-02	1.34E-03	1.95E-08	3.57E-05	1.56E-05	1.40E-03	1.71E-03	1.81E-02	2.68E-03	5.74E-04	2.31E-02
4904	485863.09	3862377.25	0.36568	0.64459	0.5107	0.14274	1.48E-03	1.92E-02	3.26E-03	4.51E-04	2.44E-02	1.34E-03	2.08E-08	4.34E-05	1.23E-05	1.40E-03	1.71E-03	1.92E-02	3.26E-03	4.51E-04	2.46E-02
4905	486363.09	3862377.25	0.38195	0.61418	0.243	0.13776	1.54E-03	1.83E-02	1.55E-03	4.35E-04	2.19E-02	1.40E-03	1.98E-08	2.07E-05	1.19E-05	1.44E-03	1.79E-03	1.83E-02	1.55E-03	4.35E-04	2.21E-02
4906	486863.09	3862377.25	0.37251	0.71824	0.2489	0.11469	1.51E-03	2.14E-02	1.59E-03	3.62E-04	2.49E-02	1.37E-03	2.31E-08	2.12E-05	9.88E-06	1.40E-03	1.74E-03	2.14E-02	1.59E-03	3.62E-04	2.51E-02
4907	487363.09	3862377.25	0.45107	0.70591	0.2589	0.09811	1.82E-03	2.11E-02	1.65E-03	3.10E-04	2.48E-02	1.66E-03	2.28E-08	2.20E-05	8.45E-06	1.69E-03	2.11E-03	2.11E-02	1.65E-03	3.10E-04	2.51E-02
4908	487863.09	3862377.25	0.4551	0.67278	0.4529	0.14597	1.84E-03	2.01E-02	2.89E-03	4.61E-04	2.53E-02	1.67E-03	2.17E-08	3.85E-05	1.26E-05	1.72E-03	2.13E-03	2.01E-02	2.89E-03	4.61E-04	2.55E-02
4909	488363.09	3862377.25	0.47723	0.72489	0.5718	0.16476	1.93E-03	2.16E-02	3.65E-03	5.20E-04	2.77E-02	1.75E-03	2.34E-08	4.86E-05	1.42E-05	1.82E-03	2.23E-03	2.16E-02	3.65E-03	5.20E-04	2.80E-02
4910	488863.09	3862377.25	0.46205	0.8387	0.2637	0.18125	1.87E-03	2.50E-02	1.68E-03	5.72E-04	2.91E-02	1.70E-03	2.70E-08	2.24E-05	1.56E-05	1.74E-03	2.16E-03	2.50E-02	1.68E-03	5.72E-04	2.94E-02
4911	489363.09	3862377.25	0.48436	0.8196	0.1669	0.19616	1.96E-03	2.45E-02	1.06E-03	6.19E-04	2.81E-02	1.78E-03	2.64E-08	1.42E-05	1.69E-05	1.81E-03	2.27E-03	2.45E-02	1.06E-03	6.19E-04	2.84E-02
4912	489863.09	3862377.25	0.5595	0.80134	0.1704	0.24999	2.26E-03	2.39E-02	1.09E-03	7.89E-04	2.80E-02	2.06E-03	2.58E-08	1.45E-05	2.15E-05	2.09E-03	2.62E-03	2.39E-02	1.09E-03	7.89E-04	2.84E-02
4913	490363.09	3862377.25	0.52599	0.85831	0.3966	0.25693	2.13E-03	2.56E-02	2.53E-03	8.11E-04	3.11E-02	1.93E-03	2.77E-08	3.37E-05	2.21E-05	1.99E-03	2.46E-03	2.56E-02	2.53E-03	8.11E-04	3.14E-02
4914	490863.09	3862377.25	0.52245	0.85846	0.658	0.28369	2.11E-03	2.56E-02	4.20E-03	8.96E-04	3.28E-02	1.92E-03	2.77E-08	5.60E-05	2.44E-05	2.00E-03	2.44E-03	2.56E-02	4.20E-03	8.96E-04	3.31E-02
4915	491363.09	3862377.25	0.48634	0.77344	0.6875	0.29502	1.97E-03	2.31E-02	4.38E-03	9.31E-04	3.04E-02	1.79E-03	2.49E-08	5.85E-05	2.54E-05	1.87E-03	2.27E-03	2.31E-02	4.38E-03	9.31E-04	3.07E-02
4916	491863.09	3862377.25	0.46788	0.68737	0.6262	0.2242	1.89E-03	2.05E-02	3.99E-03	7.08E-04	2.71E-02	1.72E-03	2.22E-08	5.33E-05	1.93E-05	1.79E-03	2.19E-03	2.05E-02	3.99E-03	7.08E-04	2.74E-02
4917	492363.09	3862377.25	0.49072	0.60763	0.5467	0.22486	1.98E-03	1.81E-02	3.49E-03	7.10E-04	2.43E-02	1.80E-03	1.96E-08	4.65E-05	1.94E-05	1.87E-03	2.29E-03	1.81E-02	3.49E-03	7.10E-04	2.46E-02
4918	492863.09	3862377.25	0.44576	0.55283	0.8144	0.23057	1.80E-03	1.65E-02	5.19E-03	7.28E-04	2.42E-02	1.64E-03	1.78E-08	6.93E-05	1.99E-05	1.73E-03	2.08E-03	1.65E-02	5.19E-03	7.28E-04	2.45E-02
4919	493363.09	3862377.25	0.42172	0.56366	0.6595	0.21797	1.70E-03	1.68E-02	4.21E-03	6.88E-04	2.34E-02	1.55E-03	1.82E-08	5.61E-05	1.88E-05	1.63E-03	1.97E-03	1.68E-02	4.21E-03	6.88E-04	2.37E-02
4920	493863.09	3862377.25	0.37629	0.61167	0.4313	0.2122	1.52E-03	1.82E-02	2.75E-03	6.70E-04	2.32E-02	1.38E-03	1.97E-08	3.67E-05	1.83E-05	1.44E-03	1.76E-03	1.82E-02	2.75E-03	6.70E-04	2.34E-02
4921	494363.09	3862377.25	0.36056	0.60385	0.4295	0.1911	1.46E-03	1.80E-02	2.74E-03	6.03E-04	2.28E-02	1.33E-03	1.95E-08	3.65E-05	1.65E-05	1.38E-03	1.69E-03	1.80E-02	2.74E-03	6.03E-04	2.30E-02
4922	494863.09	3862377.25	0.35912	0.5494	0.4628	0.17606	1.45E-03	1.64E-02	2.95E-03	5.56E-04	2.13E-02	1.32E-03	1.77E-08	3.94E-05	1.52E-05	1.37E-03	1.68E-03	1.64E-02	2.95E-03	5.56E-04	2.16E-02
4923	495363.09	3862377.25	0.32005	0.46946	0.4712	0.17352	1.29E-03	1.40E-02	3.01E-03	5.48E-04	1.89E-02	1.18E-03	1.51E-08	4.01E-05	1.49E-05	1.23E-03	1.50E-03	1.40E-02	3.01E-03	5.48E-04	1.91E-02
4924	495863.09	3862377.25	0.33465	0.42004	0.4937	0.16337	1.35E-03	1.25E-02	3.15E-03	5.16E-04	1.75E-02	1.23E-03	1.35E-08	4.20E-05	1.41E-05	1.29E-03	1.57E-03	1.25E-02	3.15E-03	5.16E-04	1.78E-02
4925	496363.09	3862377.25	0.33961	0.38093	0.4833	0.15504	1.37E-03	1.14E-02	3.08E-03	4.90E-04	1.63E-02	1.25E-03	1.23E-08	4.11E-05	1.34E-05	1.30E-03	1.59E-03	1.14E-02	3.08E-03	4.90E-04	1.65E-02
4926	496863.09	3862377.25	0.33041	0.35366	0.456	0.15116	1.34E-03	1.06E-02	2.91E-03	4.77E-04	1.53E-02	1.21E-03	1.14E-08	3.88E-05	1.30E-05	1.27E-03	1.55E-03	1.06E-02	2.91E-03	4.77E-04	1.55E-02
4927	497363.09	3862377.25	0.34343	0.344	0.4156	0.13948	1.39E-03	1.03E-02	2.65E-03	4.40E-04	1.47E-02	1.26E-03	1.11E-08	3.53E-05	1.20E-05	1.31E-03	1.61E-03	1.03E-02	2.65E-03	4.40E-04	1.50E-02
4928	497863.09	3862377.25	0.3921	0.31782	0.4108	0.1402	1.58E-03	9.48E-03	2.62E-03	4.43E-04	1.41E-02	1.44E-03	1.02E-08	3.49E-05	1.21E-05	1.49E-03	1.83E-03	9.48E-03	2.62E-03	4.43E-04	1.44E-02
4929	498363.09	3862377.25	0.37646	0.29378	0.4481	0.13616	1.52E-03	8.76E-03	2.86E-03	4.30E-04	1.36E-02	1.38E-03	9.47E-09	3.81E-05	1.17E-05	1.43E-03	1.76E-03	8.76E-03	2.86E-03	4.30E-04	1.38E-02
4930	471363.09	3862877.25	0.21793	0.16469	0.3488	0.0983	8.81E-04	4.91E-03	2.22E-03	3.10E-04	8.33E-03	8.01E-04	5.31E-09	2.97E-05	8.46E-06	8.39E-04	1.02E-03	4.91E-03	2.22E-03	3.10E-04	8.47E-03
4931	471863.09	3862877.25	0.21428	0.17013	0.3503	0.10109	8.66E-04	5.08E-03	2.23E-03	3.19E-04	8.50E-03	7.88E-04	5.48E-09	2.98E-05	8.70E-06	8.26E-04	1.00E-03	5.08E-03	2.23E-03	3.19E-04	8.63E-03
4932	472363.09	3862877.25	0.21136	0.1625	0.368	0.10662	8.54E-04	4.85E-03	2.35E-03	3.37E-04	8.39E-03	7.77E-04	5.24E-09	3.13E-05	9.18E-06	8.18E-04	9.88E-04	4.85E-03	2.35E-03	3.37E-04	8.52E-03
4933	472863.09	3862877.25	0.21192	0.16649	0.3849	0.11091	8.57E-04	4.97E-03	2.45E-03	3.50E-04	8.63E-03	7.79E-04	5.37E-09	3.27E-05	9.55E-06	8.21E-04	9.91E-04	4.97E-03	2.45E-03	3.50E-04	8.76E-03
4934	473363.09	3862877.25	0.23819	0.17114	0.3744	0.11013	9.63E-04	5.11E-03	2.39E-03	3.48E-04	8.80E-03	8.76E-04	5.52E-09	3.18E-05	9.48E-06	9.17E-04	1.11E-03	5.11E-03	2.39E-03	3.48E-04	8.96E-03
4935	473863.09	3862877.25	0.24705	0.18786	0.3843	0.112	9.99E-04	5.60E-03	2.45E-03	3.54E-04	9.41E-03	9.08E-04	6.05E-09	3.27E-05	9.64E-06	9.51E-04	1.16E-03	5.60E-03	2.45E-03	3.54E-04	9.56E-03
4936	474363.09	3862877.25	0.26076	0.21524	0.4006	0.11661	1.05E-03	6.42E-03	2.56E-03	3.68E-04	1.04E-02	9.59E-04	6.94E-09	3.41E-05	1.00E-05	1.00E-03	1.22E-03	6.42E-03	2.56E-03	3.68E-04	1.06E-02
4937	474863.09	3862877.25	0.27144	0.21818	0.4478	0.12268	1.10E-03	6.51E-03	2.86E-03	3.87E-04	1.09E-02	9.98E-04	7.03E-09	3.81E-05	1.06E-05	1.05E-03	1.27E-03	6.51E-03	2.86E-03	3.87E-04	1.10E-02

4938	475363.09	3862877.25	0.27202	0.22838	0.4691	0.12171	1.10E-03	6.81E-03	2.99E-03	3.84E-04	1.13E-02	1.00E-03	7.36E-09	3.99E-05	1.05E-05	1.05E-03	1.27E-03	6.81E-03	2.99E-03	3.84E-04	1.15E-02
4939	475863.09	3862877.25	0.26475	0.22601	0.47	0.11833	1.07E-03	6.74E-03	3.00E-03	3.74E-04	1.12E-02	9.73E-04	7.28E-09	4.00E-05	1.02E-05	1.02E-03	1.24E-03	6.74E-03	3.00E-03	3.74E-04	1.14E-02
4940	476363.09	3862877.25	0.29556	0.24174	0.5066	0.12148	1.19E-03	7.21E-03	3.23E-03	3.84E-04	1.20E-02	1.09E-03	7.79E-09	4.31E-05	1.05E-05	1.14E-03	1.38E-03	7.21E-03	3.23E-03	3.84E-04	1.22E-02
4941	476863.09	3862877.25	0.30252	0.23481	0.2945	0.11808	1.22E-03	7.01E-03	1.88E-03	3.73E-04	1.05E-02	1.11E-03	7.57E-09	2.50E-05	1.02E-05	1.15E-03	1.41E-03	7.01E-03	1.88E-03	3.73E-04	1.07E-02
4942	477363.09	3862877.25	0.30922	0.24547	0.5101	0.11582	1.25E-03	7.32E-03	3.25E-03	3.66E-04	1.22E-02	1.14E-03	7.91E-09	4.34E-05	9.97E-06	1.19E-03	1.45E-03	7.32E-03	3.25E-03	3.66E-04	1.24E-02
4943	477863.09	3862877.25	0.295	0.22511	0.4682	0.12648	1.19E-03	6.72E-03	2.99E-03	3.99E-04	1.13E-02	1.08E-03	7.26E-09	3.98E-05	1.09E-05	1.14E-03	1.38E-03	6.72E-03	2.99E-03	3.99E-04	1.15E-02
4944	478363.09	3862877.25	0.31098	0.15071	0.5148	0.16027	1.26E-03	4.50E-03	3.28E-03	5.06E-04	9.54E-03	1.14E-03	4.86E-09	4.38E-05	1.38E-05	1.20E-03	1.45E-03	4.50E-03	3.28E-03	5.06E-04	9.74E-03
4945	478863.09	3862877.25	0.35094	0.15492	0.5378	0.14742	1.42E-03	4.62E-03	3.43E-03	4.65E-04	9.94E-03	1.29E-03	4.99E-09	4.57E-05	1.27E-05	1.35E-03	1.64E-03	4.62E-03	3.43E-03	4.65E-04	1.02E-02
4946	479363.09	3862877.25	0.34773	0.16297	0.5804	0.15081	1.41E-03	4.86E-03	3.70E-03	4.76E-04	1.04E-02	1.28E-03	5.25E-09	4.94E-05	1.30E-05	1.34E-03	1.63E-03	4.86E-03	3.70E-03	4.76E-04	1.07E-02
4947	479863.09	3862877.25	0.34767	0.31489	0.5488	0.13831	1.41E-03	9.39E-03	3.50E-03	4.37E-04	1.47E-02	1.28E-03	1.01E-08	4.67E-05	1.19E-05	1.34E-03	1.63E-03	9.39E-03	3.50E-03	4.37E-04	1.50E-02
4948	480363.09	3862877.25	0.30954	0.33379	0.6533	0.14486	1.25E-03	9.96E-03	4.17E-03	4.57E-04	1.58E-02	1.14E-03	1.08E-08	5.56E-05	1.25E-05	1.21E-03	1.45E-03	9.96E-03	4.17E-03	4.57E-04	1.60E-02
4949	480863.09	3862877.25	0.30768	0.36932	0.6081	0.14965	1.24E-03	1.10E-02	3.88E-03	4.73E-04	1.66E-02	1.13E-03	1.19E-08	5.17E-05	1.29E-05	1.20E-03	1.44E-03	1.10E-02	3.88E-03	4.73E-04	1.68E-02
4950	481363.09	3862877.25	0.37708	0.37867	0.5721	0.14191	1.52E-03	1.13E-02	3.65E-03	4.48E-04	1.69E-02	1.39E-03	1.22E-08	4.87E-05	1.22E-05	1.45E-03	1.76E-03	1.13E-02	3.65E-03	4.48E-04	1.72E-02
4951	481863.09	3862877.25	0.39889	0.38723	0.6124	0.1345	1.61E-03	1.16E-02	3.91E-03	4.25E-04	1.75E-02	1.47E-03	1.25E-08	5.21E-05	1.16E-05	1.53E-03	1.87E-03	1.16E-02	3.91E-03	4.25E-04	1.77E-02
4952	482363.09	3862877.25	0.41816	0.40237	0.6006	0.13743	1.69E-03	1.20E-02	3.83E-03	4.34E-04	1.80E-02	1.54E-03	1.30E-08	5.11E-05	1.18E-05	1.60E-03	1.96E-03	1.20E-02	3.83E-03	4.34E-04	1.82E-02
4953	482863.09	3862877.25	0.42085	0.44916	0.5696	0.13743	1.70E-03	1.34E-02	3.63E-03	4.34E-04	1.92E-02	1.55E-03	1.45E-08	4.84E-05	1.18E-05	1.61E-03	1.97E-03	1.34E-02	3.63E-03	4.34E-04	1.94E-02
4954	483363.09	3862877.25	0.39246	0.46573	0.45	0.15692	1.59E-03	1.39E-02	2.87E-03	4.95E-04	1.88E-02	1.44E-03	1.50E-08	3.83E-05	1.35E-05	1.49E-03	1.84E-03	1.39E-02	2.87E-03	4.95E-04	1.91E-02
4955	483863.09	3862877.25	0.3926	0.49211	0.4376	0.19055	1.59E-03	1.47E-02	2.79E-03	6.02E-04	1.97E-02	1.44E-03	1.59E-08	3.72E-05	1.64E-05	1.50E-03	1.84E-03	1.47E-02	2.79E-03	6.02E-04	1.99E-02
4956	484363.09	3862877.25	0.37778	0.50815	0.2204	0.18255	1.53E-03	1.52E-02	1.41E-03	5.76E-04	1.87E-02	1.39E-03	1.64E-08	1.87E-05	1.57E-05	1.42E-03	1.77E-03	1.52E-02	1.41E-03	5.76E-04	1.89E-02
4957	484863.09	3862877.25	0.33497	0.49553	0.4209	0.17572	1.35E-03	1.48E-02	2.68E-03	5.55E-04	1.94E-02	1.23E-03	1.60E-08	3.58E-05	1.51E-05	1.28E-03	1.57E-03	1.48E-02	2.68E-03	5.55E-04	1.96E-02
4958	485363.09	3862877.25	0.33171	0.55371	0.538	0.12897	1.34E-03	1.65E-02	3.43E-03	4.07E-04	2.17E-02	1.22E-03	1.78E-08	4.58E-05	1.11E-05	1.28E-03	1.55E-03	1.65E-02	3.43E-03	4.07E-04	2.19E-02
4959	485863.09	3862877.25	0.32144	0.53495	0.3059	0.11303	1.30E-03	1.60E-02	1.95E-03	3.57E-04	1.96E-02	1.18E-03	1.72E-08	2.60E-05	9.73E-06	1.22E-03	1.50E-03	1.60E-02	1.95E-03	3.57E-04	1.98E-02
4960	486363.09	3862877.25	0.34905	0.54303	0.2726	0.10404	1.41E-03	1.62E-02	1.74E-03	3.28E-04	1.97E-02	1.28E-03	1.75E-08	2.32E-05	8.96E-06	1.32E-03	1.63E-03	1.62E-02	1.74E-03	3.28E-04	1.99E-02
4961	486863.09	3862877.25	0.34415	0.5644	0.2628	0.11476	1.39E-03	1.68E-02	1.68E-03	3.62E-04	2.03E-02	1.27E-03	1.82E-08	2.23E-05	9.88E-06	1.30E-03	1.61E-03	1.68E-02	1.68E-03	3.62E-04	2.05E-02
4962	487363.09	3862877.25	0.4164	0.57591	0.2627	0.09454	1.68E-03	1.72E-02	1.68E-03	2.98E-04	2.08E-02	1.53E-03	1.86E-08	2.23E-05	8.14E-06	1.56E-03	1.95E-03	1.72E-02	1.68E-03	2.98E-04	2.11E-02
4963	487863.09	3862877.25	0.39346	0.55682	0.4242	0.12623	1.59E-03	1.66E-02	2.71E-03	3.99E-04	2.13E-02	1.45E-03	1.79E-08	3.61E-05	1.09E-05	1.49E-03	1.84E-03	1.66E-02	2.71E-03	3.99E-04	2.16E-02
4964	488363.09	3862877.25	0.42674	0.55091	0.5531	0.16332	1.72E-03	1.64E-02	3.53E-03	5.16E-04	2.22E-02	1.57E-03	1.78E-08	4.70E-05	1.41E-05	1.63E-03	2.00E-03	1.64E-02	3.53E-03	5.16E-04	2.25E-02
4965	488863.09	3862877.25	0.4411	0.63897	0.2895	0.13788	1.78E-03	1.91E-02	1.85E-03	4.35E-04	2.31E-02	1.62E-03	2.06E-08	2.46E-05	1.19E-05	1.66E-03	2.06E-03	1.91E-02	1.85E-03	4.35E-04	2.34E-02
4966	489363.09	3862877.25	0.42554	0.65846	0.1596	0.15221	1.72E-03	1.96E-02	1.02E-03	4.81E-04	2.29E-02	1.56E-03	2.12E-08	1.36E-05	1.31E-05	1.59E-03	1.99E-03	1.96E-02	1.02E-03	4.81E-04	2.31E-02
4967	489863.09	3862877.25	0.48803	0.67125	0.1718	0.19629	1.97E-03	2.00E-02	1.10E-03	6.20E-04	2.37E-02	1.79E-03	2.16E-08	1.46E-05	1.69E-05	1.83E-03	2.28E-03	2.00E-02	1.10E-03	6.20E-04	2.40E-02
4968	490363.09	3862877.25	0.48776	0.71473	0.1425	0.23328	1.97E-03	2.13E-02	9.09E-04	7.37E-04	2.49E-02	1.79E-03	2.30E-08	1.21E-05	2.01E-05	1.83E-03	2.28E-03	2.13E-02	9.09E-04	7.37E-04	2.52E-02
4969	490863.09	3862877.25	0.46441	0.73174	0.4467	0.20693	1.88E-03	2.18E-02	2.85E-03	6.53E-04	2.72E-02	1.71E-03	2.36E-08	3.80E-05	1.78E-05	1.76E-03	2.17E-03	2.18E-02	2.85E-03	6.53E-04	2.75E-02
4970	491363.09	3862877.25	0.45739	0.72755	0.6639	0.2774	1.85E-03	2.17E-02	4.23E-03	8.76E-04	2.87E-02	1.68E-03	2.34E-08	5.65E-05	2.39E-05	1.76E-03	2.14E-03	2.17E-02	4.23E-03	8.76E-04	2.90E-02
4971	491863.09	3862877.25	0.44348	0.65968	0.6229	0.29988	1.79E-03	1.97E-02	3.97E-03	9.47E-04	2.64E-02	1.63E-03	2.13E-08	5.30E-05	2.58E-05	1.71E-03	2.07E-03	1.97E-02	3.97E-03	9.47E-04	2.67E-02
4972	492363.09	3862877.25	0.41951	0.58793	0.5512	0.22465	1.70E-03	1.75E-02	3.52E-03	7.09E-04	2.35E-02	1.54E-03	1.89E-08	4.69E-05	1.93E-05	1.61E-03	1.96E-03	1.75E-02	3.52E-03	7.09E-04	2.37E-02
4973	492863.09	3862877.25	0.44226	0.53941	0.5124	0.18939	1.79E-03	1.61E-02	3.27E-03	5.98E-04	2.17E-02	1.63E-03	1.74E-08	4.36E-05	1.63E-05	1.69E-03	2.07E-03	1.61E-02	3.27E-03	5.98E-04	2.20E-02
4974	493363.09	3862877.25	0.42169	0.50902	0.7276	0.20801	1.70E-03	1.52E-02	4.64E-03	6.57E-04	2.22E-02	1.55E-03	1.64E-08	6.19E-05	1.79E-05	1.63E-03	1.97E-03	1.52E-02	4.64E-03	6.57E-04	2.25E-02
4975	493863.09	3862877.25	0.39461	0.478	0.6697	0.20864	1.60E-03	1.43E-02	4.27E-03	6.59E-04	2.08E-02	1.45E-03	1.54E-08	5.70E-05	1.80E-05	1.53E-03	1.85E-03	1.43E-02	4.27E-03	6.59E-04	2.10E-02
4976	494363.09	3862877.25	0.34717	0.49207	0.4826	0.21818	1.40E-03	1.47E-02	3.08E-03	6.89E-04	1.99E-02	1.28E-03	1.59E-08	4.10E-05	1.88E-05	1.34E-03	1.62E-03	1.47E-02	3.08E-03	6.89E-04	2.01E-02
4977	494863.09	3862877.25	0.32157	0.51382	0.4321	0.20493	1.30E-03	1.53E-02	2.76E-03	6.47E-04	2.00E-02	1.18E-03	1.66E-08	3.68E-05	1.76E-05	1.24E-03	1.50E-03	1.53E-02	2.76E-03	6.47E-04	2.02E-02
4978	495363.09	3862877.25	0.31775	0.49994	0.3941	0.1812	1.28E-03	1.49E-02	2.51E-03	5.72E-04	1.93E-02	1.17E-03	1.61E-08	3.35E-05	1.56E-05	1.22E-03	1.49E-03	1.49E-02	2.51E-03	5.72E-04	1.95E-02
4979	495863.09	3862877.25	0.30537	0.47656	0.4629	0.16909	1.23E-03	1.42E-02	2.95E-03	5.34E-04	1.89E-02	1.12E-03	1.54E-08	3.94E-05	1.46E-05	1.18E-03	1.43E-03	1.42E-02	2.95E-03	5.34E-04	1.91E-02
4980	496363.09	3862877.25	0.28757	0.42298	0.4486	0.16682	1.16E-03	1.26E-02	2.86E-03	5.27E-04	1.72E-02	1.06E-03	1.36E-08	3.81E-05	1.44E-05	1.11E-03	1.34E-03	1.26E-02	2.86E-03	5.27E-04	1.74E-02
4981	496863.09	3862877.25	0.29959	0.36473	0.4493	0.14901	1.21E-03	1.09E-02	2.87E-03	4.70E-04	1.54E-02	1.10E-03	1.18E-08	3.82E-05	1.28E-05	1.15E-03	1.40E-03	1.09E-02	2.87E-03	4.70E-04	1.56E-02
4982	497363.09	3862877.25	0.31046	0.33931	0.4342	0.14745	1.25E-03	1.01E-02	2.77E-03	4.66E-04	1.46E-02	1.14E-03	1.09E-08	3.69E-05	1.27E-05	1.19E-03	1.45E-03	1.01E-02	2.77E-03	4.66E-04	1.48E-02
4983	497863.09	3862877.25	0.28162	0.32142	0.4048	0.14976	1.14E-03	9.59E-03	2.58E-03	4.73E-04	1.38E-02	1.04E-03	1.04E-08	3.44E-05	1.29E-05	1.08E-03	1.32E-03	9.59E-03	2.58E-03	4.73E-04	1.40E-02
4984	498363.09	3862877.25	0.30988	0.30035	0.3785	0.13681	1.25E-03	8.96E-03	2.41E-03	4.32E-04	1.31E-02	1.14E-03	9.68E-09	3.22E-05	1.18E-05	1.18E-03	1.45E-03	8.96E-03	2.41E-03	4.32E-04	1.33E-02
4985	471363.09	3863377.25	0.18888	0.15039	0.3578	0.10536	7.63E-04	4.49E-03	2.28E-03	3.33E-04	7.87E-03	6.94E-04	4.85E-09	3.04E-05	9.07E-06	7.34E-04	8.83E-04	4.49E-03	2.28E-03	3.33E-04	7.99E-03
4986	471863.09	3863377.25	0.19661	0.16046	0.3373	0.10938	7.95E-04	4.79E-03	2.15E-03	3.45E-04	8.08E-03	7.23E-04	5.17E-09	2.87E-05	9.42E-06	7.61E-04	9.19E-04	4.79E-03	2.15E-03	3.45E-04	8.20E-03
4987	472363.09	3863377.25	0.21252	0.16536	0.3505	0.11037	8.59E-04	4.93E-03	2.24E-03	3.48E-04	8.38E-03	7.81E-04	5.33E-09	2.98E-05	9.50E-06	8.21E-04	9.94E-04	4.93E-03	2.24E-03	3.48E-04	8.51E-03
4988	472863.09	3863377.25	0.23236	0.19266	0.3625	0.10907	9.39E-04	5.75E-03	2.31E-03	3.44E-04	9.34E-03	8.54E-04	6.21E-09	3.08E-05	9.39E-06	8.94E-04	1.09E-03	5.75E-03	2.31E-03	3.44E-04	9.49E-03
4989	473363.09	3863377.25	0.23515	0.20328	0.3946	0.10983	9.51E-04	6.06E-03	2.52E-03	3.47E-04	9.88E-03	8.65E-04	6.55E-09	3.36E-05	9.46E-06	9.08E-04	1.10E-03	6.06E-03	2.52E-03	3.47E-04	1.00E-02
4990	473863.09	3863377.25	0.23939	0.20527	0.4426	0.11772	9.68E-04	6.12E-03	2.82E-03	3.72E-04	1.03E-02	8.80E-04	6.62E-09	3.76E-05	1.01E-05	9.28E-04	1.12E-03	6.12E-03	2.82E-03	3.72E-04	1.04E-02
4991	474363.09	3863377.25	0.2478	0.20966	0.436	0.10982	1.00E-03	6.25E-03	2.78E-03	3.47E-04	1.04E-02	9.11E-04	6.76E-09	3.71E-05	9.46E-06	9.58E-04	1.16E-03	6.25E-03	2.78E-03	3.47E-04	1.05E-02
4992	474863.09	3863377.25	0.25141	0.20642	0.4533	0.11438	1.02E-03	6.16E-03	2.89E-03	3.61E-04	1.04E-02	9.24E-04	6.65E-09	3.86E-05	9.85E-06	9.73E-04	1.18E-03	6.16E-03	2.89E-03	3.61E-04	1.06E-02
4993	475363.09	3863377.25	0.2493	0.20226	0.4498	0.10946	1.01E-03	6.03E-03	2.87E-03	3.46E-04	1.03E-02	9.17E-04	6.52E-09	3.83E-05	9.43E-06	9.64E-04	1.17E-03	6.03E-03	2.87E-03	3.46E-04	1.04E-02
4994	475863.09	3863377.25	0.28278	0.20901	0.3725	0.11648	1.14E-03	6.24E-03	2.38E-03	3.68E-04	1.01E-02	1.04E-03	6.74E-09	3.17E-05	1.00E-05	1.08E-03	1.32E-03	6.24E-03	2.38E-03	3.68E-04	1.03E-02
4995	476363.09	3863377.25	0.27779	0.2233	0.4393	0.11364	1.12E-03	6.66E-03	2.80E-03	3.59E-04	1.09E-02	1.02E-03	7.20E-09	3.74E-05	9.79E-06	1.07E-03	1.30E-03	6.66E-03	2.80E-03	3.59E-04	1.11E-02
4996	476863.09	3863377.25	0.28191	0.22757	0.4018	0.11134	1.14E-03	6.79E-03	2.56E-03	3.52E-04	1.08E-02	1.04E-03	7.33E-09	3.42E-05	9.59E-06	1.08E-03	1.32E-03	6.79E-03	2.56E-03	3.52E-04	1.10E-02
4997	477363.09	3863377.25	0.26929	0.23738	0.4066	0.10938	1.09E-03	7.08E-03	2.59E-03	3.45E-04	1.11E-02	9.90E-04	7.65E-09	3.46E-05	9.42E-06	1.03E-03	1.26E-03	7.08E-03	2.59E-03	3.45E-04	1.13E-02
4998	477863.09	3863377.25	0.32054	0.23213	0.4598	0.11981	1.30E-03	6.93E-03	2.93E-03	3.78E-04	1.15E-02	1.18E-03	7.48E-09	3.91E-05	1.03E-05	1.23E-03	1.50E-03	6.93E-03	2.93E-03	3.78E-04	1.17E-02

4999	478363.09	3863377.25	0.34062	0.2119	0.5419	0.13321	1.38E-03	6.32E-03	3.46E-03	4.21E-04	1.16E-02	1.25E-03	6.83E-09	4.61E-05	1.15E-05	1.31E-03	1.59E-03	6.32E-03	3.46E-03	4.21E-04	1.18E-02
5000	478863.09	3863377.25	0.34652	0.23086	0.5412	0.13079	1.40E-03	6.89E-03	3.45E-03	4.13E-04	1.22E-02	1.27E-03	7.44E-09	4.60E-05	1.13E-05	1.33E-03	1.62E-03	6.89E-03	3.45E-03	4.13E-04	1.24E-02
5001	479363.09	3863377.25	0.31214	0.27154	0.5724	0.13936	1.26E-03	8.10E-03	3.65E-03	4.40E-04	1.35E-02	1.15E-03	8.75E-09	4.87E-05	1.20E-05	1.21E-03	1.46E-03	8.10E-03	3.65E-03	4.40E-04	1.37E-02
5002	479863.09	3863377.25	0.27557	0.30142	0.6154	0.14035	1.11E-03	8.99E-03	3.93E-03	4.43E-04	1.45E-02	1.01E-03	9.71E-09	5.23E-05	1.21E-05	1.08E-03	1.29E-03	8.99E-03	3.93E-03	4.43E-04	1.46E-02
5003	480363.09	3863377.25	0.26989	0.32358	0.5076	0.13801	1.09E-03	9.65E-03	3.24E-03	4.36E-04	1.44E-02	9.92E-04	1.04E-08	4.32E-05	1.19E-05	1.05E-03	1.26E-03	9.65E-03	3.24E-03	4.36E-04	1.46E-02
5004	480863.09	3863377.25	0.30391	0.34667	0.5502	0.1352	1.23E-03	1.03E-02	3.51E-03	4.27E-04	1.55E-02	1.12E-03	1.12E-08	4.68E-05	1.16E-05	1.18E-03	1.42E-03	1.03E-02	3.51E-03	4.27E-04	1.57E-02
5005	481363.09	3863377.25	0.32806	0.34853	0.5098	0.1303	1.33E-03	1.04E-02	3.25E-03	4.11E-04	1.54E-02	1.21E-03	1.12E-08	4.34E-05	1.12E-05	1.26E-03	1.53E-03	1.04E-02	3.25E-03	4.11E-04	1.56E-02
5006	481863.09	3863377.25	0.32667	0.37016	0.5143	0.12931	1.32E-03	1.10E-02	3.28E-03	4.08E-04	1.61E-02	1.20E-03	1.19E-08	4.37E-05	1.11E-05	1.26E-03	1.53E-03	1.10E-02	3.28E-03	4.08E-04	1.63E-02
5007	482363.09	3863377.25	0.39464	0.40421	0.5228	0.12985	1.60E-03	1.21E-02	3.33E-03	4.10E-04	1.74E-02	1.45E-03	1.30E-08	4.45E-05	1.12E-05	1.51E-03	1.85E-03	1.21E-02	3.33E-03	4.10E-04	1.76E-02
5008	482863.09	3863377.25	0.37907	0.4226	0.4036	0.14833	1.53E-03	1.26E-02	2.57E-03	4.68E-04	1.72E-02	1.39E-03	1.36E-08	3.43E-05	1.28E-05	1.44E-03	1.77E-03	1.26E-02	2.57E-03	4.68E-04	1.74E-02
5009	483363.09	3863377.25	0.35645	0.40724	0.4163	0.16095	1.44E-03	1.21E-02	2.66E-03	5.08E-04	1.68E-02	1.31E-03	1.31E-08	3.54E-05	1.39E-05	1.36E-03	1.67E-03	1.21E-02	2.66E-03	5.08E-04	1.70E-02
5010	483863.09	3863377.25	0.33267	0.42708	0.2087	0.16035	1.34E-03	1.27E-02	1.33E-03	5.06E-04	1.59E-02	1.22E-03	1.38E-08	1.77E-05	1.38E-05	1.25E-03	1.56E-03	1.27E-02	1.33E-03	5.06E-04	1.61E-02
5011	484363.09	3863377.25	0.34939	0.38411	0.4118	0.16317	1.41E-03	1.15E-02	2.63E-03	5.15E-04	1.60E-02	1.28E-03	1.24E-08	3.50E-05	1.41E-05	1.33E-03	1.63E-03	1.15E-02	2.63E-03	5.15E-04	1.62E-02
5012	484863.09	3863377.25	0.30721	0.4754	0.4215	0.13759	1.24E-03	1.42E-02	2.69E-03	4.34E-04	1.85E-02	1.13E-03	1.53E-08	3.58E-05	1.18E-05	1.18E-03	1.44E-03	1.42E-02	2.69E-03	4.34E-04	1.87E-02
5013	485363.09	3863377.25	0.29554	0.45286	0.5419	0.12025	1.19E-03	1.35E-02	3.46E-03	3.80E-04	1.85E-02	1.09E-03	1.46E-08	4.61E-05	1.04E-05	1.14E-03	1.38E-03	1.35E-02	3.46E-03	3.80E-04	1.87E-02
5014	485863.09	3863377.25	0.2999	0.41249	0.1991	0.10851	1.21E-03	1.23E-02	1.27E-03	3.43E-04	1.51E-02	1.10E-03	1.33E-08	1.69E-05	9.34E-06	1.13E-03	1.40E-03	1.23E-02	1.27E-03	3.43E-04	1.53E-02
5015	486363.09	3863377.25	0.31853	0.5061	0.2105	0.11617	1.29E-03	1.51E-02	1.34E-03	3.67E-04	1.81E-02	1.17E-03	1.63E-08	1.79E-05	1.00E-05	1.20E-03	1.49E-03	1.51E-02	1.34E-03	3.67E-04	1.83E-02
5016	486863.09	3863377.25	0.31825	0.45844	0.2017	0.09246	1.29E-03	1.37E-02	1.29E-03	2.92E-04	1.65E-02	1.17E-03	1.48E-08	1.72E-05	7.96E-06	1.20E-03	1.49E-03	1.37E-02	1.29E-03	2.92E-04	1.67E-02
5017	487363.09	3863377.25	0.36746	0.47297	0.2551	0.09479	1.49E-03	1.41E-02	1.63E-03	2.99E-04	1.75E-02	1.35E-03	1.52E-08	2.17E-05	8.16E-06	1.38E-03	1.72E-03	1.41E-02	1.63E-03	2.99E-04	1.78E-02
5018	487863.09	3863377.25	0.34005	0.46568	0.4002	0.10329	1.37E-03	1.39E-02	2.55E-03	3.26E-04	1.81E-02	1.25E-03	1.50E-08	3.40E-05	8.89E-06	1.29E-03	1.59E-03	1.39E-02	2.55E-03	3.26E-04	1.84E-02
5019	488363.09	3863377.25	0.36432	0.45699	0.5251	0.15717	1.47E-03	1.36E-02	3.35E-03	4.96E-04	1.90E-02	1.34E-03	1.47E-08	4.47E-05	1.35E-05	1.40E-03	1.70E-03	1.36E-02	3.35E-03	4.96E-04	1.92E-02
5020	488863.09	3863377.25	0.39584	0.49932	0.2842	0.1418	1.60E-03	1.49E-02	1.81E-03	4.48E-04	1.88E-02	1.46E-03	1.61E-08	2.42E-05	1.22E-05	1.49E-03	1.85E-03	1.49E-02	1.81E-03	4.48E-04	1.90E-02
5021	489363.09	3863377.25	0.38072	0.60216	0.1502	0.13988	1.54E-03	1.80E-02	9.58E-04	4.42E-04	2.09E-02	1.40E-03	1.94E-08	1.28E-05	1.20E-05	1.42E-03	1.78E-03	1.80E-02	9.58E-04	4.42E-04	2.11E-02
5022	489863.09	3863377.25	0.40101	0.59047	0.159	0.15651	1.62E-03	1.76E-02	1.01E-03	4.94E-04	2.07E-02	1.47E-03	1.90E-08	1.35E-05	1.35E-05	1.50E-03	1.88E-03	1.76E-02	1.01E-03	4.94E-04	2.10E-02
5023	490363.09	3863377.25	0.46506	0.55937	0.1424	0.21227	1.88E-03	1.67E-02	9.08E-04	6.70E-04	2.01E-02	1.71E-03	1.80E-08	1.21E-05	1.83E-05	1.74E-03	2.17E-03	1.67E-02	9.08E-04	6.70E-04	2.04E-02
5024	490863.09	3863377.25	0.41926	0.64109	0.3018	0.22917	1.69E-03	1.91E-02	1.93E-03	7.24E-04	2.35E-02	1.54E-03	2.07E-08	2.57E-05	1.97E-05	1.59E-03	1.96E-03	1.91E-02	1.93E-03	7.24E-04	2.37E-02
5025	491363.09	3863377.25	0.41299	0.60693	0.5044	0.19295	1.67E-03	1.81E-02	3.22E-03	6.09E-04	2.36E-02	1.52E-03	1.96E-08	4.29E-05	1.66E-05	1.58E-03	1.93E-03	1.81E-02	3.22E-03	6.09E-04	2.39E-02
5026	491863.09	3863377.25	0.41197	0.62159	0.6387	0.25009	1.67E-03	1.85E-02	4.07E-03	7.90E-04	2.51E-02	1.51E-03	2.00E-08	5.43E-05	2.15E-05	1.59E-03	1.93E-03	1.85E-02	4.07E-03	7.90E-04	2.53E-02
5027	492363.09	3863377.25	0.40907	0.58015	0.6391	0.29175	1.65E-03	1.73E-02	4.08E-03	9.21E-04	2.40E-02	1.50E-03	1.87E-08	5.44E-05	2.51E-05	1.58E-03	1.91E-03	1.73E-02	4.08E-03	9.21E-04	2.42E-02
5028	492863.09	3863377.25	0.39292	0.50715	0.5048	0.25046	1.59E-03	1.51E-02	3.22E-03	7.91E-04	2.07E-02	1.44E-03	1.63E-08	4.29E-05	2.16E-05	1.51E-03	1.84E-03	1.51E-02	3.22E-03	7.91E-04	2.10E-02
5029	493363.09	3863377.25	0.43221	0.51825	0.5777	0.1983	1.75E-03	1.55E-02	3.68E-03	6.26E-04	2.15E-02	1.59E-03	1.67E-08	4.91E-05	1.71E-05	1.66E-03	2.02E-03	1.55E-02	3.68E-03	6.26E-04	2.18E-02
5030	493863.09	3863377.25	0.41754	0.44988	0.7409	0.18738	1.69E-03	1.34E-02	4.73E-03	5.92E-04	2.04E-02	1.54E-03	1.45E-08	6.30E-05	1.61E-05	1.61E-03	1.95E-03	1.34E-02	4.73E-03	5.92E-04	2.07E-02
5031	494363.09	3863377.25	0.3649	0.46639	0.6878	0.20653	1.48E-03	1.39E-02	4.39E-03	6.52E-04	2.04E-02	1.34E-03	1.50E-08	5.85E-05	1.78E-05	1.42E-03	1.71E-03	1.39E-02	4.39E-03	6.52E-04	2.07E-02
5032	494863.09	3863377.25	0.33565	0.41599	0.5609	0.19856	1.36E-03	1.24E-02	3.58E-03	6.27E-04	1.80E-02	1.23E-03	1.34E-08	4.77E-05	1.71E-05	1.30E-03	1.57E-03	1.24E-02	3.58E-03	6.27E-04	1.82E-02
5033	495363.09	3863377.25	0.32577	0.44664	0.3706	0.20958	1.32E-03	1.33E-02	2.36E-03	6.62E-04	1.77E-02	1.20E-03	1.44E-08	3.15E-05	1.80E-05	1.25E-03	1.52E-03	1.33E-02	2.36E-03	6.62E-04	1.79E-02
5034	495863.09	3863377.25	0.30151	0.43964	0.3956	0.20555	1.22E-03	1.31E-02	2.52E-03	6.49E-04	1.75E-02	1.11E-03	1.42E-08	3.36E-05	1.77E-05	1.16E-03	1.41E-03	1.31E-02	2.52E-03	6.49E-04	1.77E-02
5035	496363.09	3863377.25	0.30223	0.44141	0.3828	0.18041	1.22E-03	1.32E-02	2.44E-03	5.70E-04	1.74E-02	1.11E-03	1.42E-08	3.26E-05	1.55E-05	1.16E-03	1.41E-03	1.32E-02	2.44E-03	5.70E-04	1.76E-02
5036	496863.09	3863377.25	0.26201	0.4176	0.3977	0.15782	1.06E-03	1.25E-02	2.54E-03	4.98E-04	1.66E-02	9.63E-04	1.35E-08	3.38E-05	1.36E-05	1.01E-03	1.23E-03	1.25E-02	2.54E-03	4.98E-04	1.67E-02
5037	497363.09	3863377.25	0.27163	0.36661	0.4116	0.1545	1.10E-03	1.09E-02	2.63E-03	4.88E-04	1.51E-02	9.99E-04	1.18E-08	3.50E-05	1.33E-05	1.05E-03	1.27E-03	1.09E-02	2.63E-03	4.88E-04	1.53E-02
5038	497863.09	3863377.25	0.26996	0.32181	0.4107	0.13673	1.09E-03	9.60E-03	2.62E-03	4.32E-04	1.37E-02	9.93E-04	1.04E-08	3.49E-05	1.18E-05	1.04E-03	1.26E-03	9.60E-03	2.62E-03	4.32E-04	1.39E-02
5039	498363.09	3863377.25	0.27921	0.30255	0.3973	0.13512	1.13E-03	9.03E-03	2.53E-03	4.27E-04	1.31E-02	1.03E-03	9.75E-09	3.38E-05	1.16E-05	1.07E-03	1.31E-03	9.03E-03	2.53E-03	4.27E-04	1.33E-02
5040	471363.09	3863877.25	0.19201	0.16918	0.3382	0.10497	7.76E-04	5.05E-03	2.16E-03	3.31E-04	8.31E-03	7.06E-04	5.45E-09	2.88E-05	9.04E-06	7.44E-04	8.98E-04	5.05E-03	2.16E-03	3.31E-04	8.43E-03
5041	471863.09	3863877.25	0.21037	0.17297	0.3487	0.10762	8.50E-04	5.16E-03	2.22E-03	3.40E-04	8.57E-03	7.73E-04	5.57E-09	2.97E-05	9.27E-06	8.12E-04	9.84E-04	5.16E-03	2.22E-03	3.40E-04	8.71E-03
5042	472363.09	3863877.25	0.21225	0.17878	0.3916	0.10881	8.58E-04	5.33E-03	2.50E-03	3.44E-04	9.03E-03	7.80E-04	5.76E-09	3.33E-05	9.37E-06	8.23E-04	9.93E-04	5.33E-03	2.50E-03	3.44E-04	9.17E-03
5043	472863.09	3863877.25	0.21993	0.18472	0.4329	0.10948	8.89E-04	5.51E-03	2.76E-03	3.46E-04	9.51E-03	8.09E-04	5.95E-09	3.68E-05	9.43E-06	8.55E-04	1.03E-03	5.51E-03	2.76E-03	3.46E-04	9.65E-03
5044	473363.09	3863877.25	0.21642	0.18462	0.4045	0.1045	8.75E-04	5.51E-03	2.58E-03	3.30E-04	9.29E-03	7.96E-04	5.95E-09	3.44E-05	9.00E-06	8.39E-04	1.01E-03	5.51E-03	2.58E-03	3.30E-04	9.43E-03
5045	473863.09	3863877.25	0.21546	0.18873	0.4338	0.10724	8.71E-04	5.63E-03	2.77E-03	3.39E-04	9.61E-03	7.92E-04	6.08E-09	3.69E-05	9.23E-06	8.38E-04	1.01E-03	5.63E-03	2.77E-03	3.39E-04	9.74E-03
5046	474363.09	3863877.25	0.23033	0.18932	0.3776	0.10657	9.31E-04	5.65E-03	2.41E-03	3.36E-04	9.32E-03	8.47E-04	6.10E-09	3.21E-05	9.18E-06	8.88E-04	1.08E-03	5.65E-03	2.41E-03	3.36E-04	9.47E-03
5047	474863.09	3863877.25	0.24226	0.18511	0.4115	0.10417	9.79E-04	5.52E-03	2.62E-03	3.29E-04	9.46E-03	8.91E-04	5.97E-09	3.50E-05	8.97E-06	9.35E-04	1.13E-03	5.52E-03	2.62E-03	3.29E-04	9.61E-03
5048	475363.09	3863877.25	0.2629	0.19853	0.3902	0.10841	1.06E-03	5.92E-03	2.49E-03	3.42E-04	9.82E-03	9.67E-04	6.40E-09	3.32E-05	9.34E-06	1.01E-03	1.23E-03	5.92E-03	2.49E-03	3.42E-04	9.98E-03
5049	475863.09	3863877.25	0.25482	0.21424	0.3646	0.10672	1.03E-03	6.39E-03	2.33E-03	3.37E-04	1.01E-02	9.37E-04	6.91E-09	3.10E-05	9.19E-06	9.77E-04	1.19E-03	6.39E-03	2.33E-03	3.37E-04	1.02E-02
5050	476363.09	3863877.25	0.25477	0.22196	0.3894	0.11007	1.03E-03	6.62E-03	2.48E-03	3.48E-04	1.05E-02	9.37E-04	7.15E-09	3.31E-05	9.48E-06	9.79E-04	1.19E-03	6.62E-03	2.48E-03	3.48E-04	1.06E-02
5051	476863.09	3863877.25	0.23814	0.23195	0.4159	0.10923	9.63E-04	6.92E-03	2.65E-03	3.45E-04	1.09E-02	8.76E-04	7.48E-09	3.54E-05	9.41E-06	9.20E-04	1.11E-03	6.92E-03	2.65E-03	3.45E-04	1.10E-02
5052	477363.09	3863877.25	0.30227	0.23158	0.4527	0.11908	1.22E-03	6.91E-03	2.89E-03	3.76E-04	1.14E-02	1.11E-03	7.46E-09	3.85E-05	1.03E-05	1.16E-03	1.41E-03	6.91E-03	2.89E-03	3.76E-04	1.16E-02
5053	477863.09	3863877.25	0.30895	0.24022	0.5346	0.12518	1.25E-03	7.17E-03	3.41E-03	3.95E-04	1.22E-02	1.14E-03	7.74E-09	4.55E-05	1.08E-05	1.19E-03	1.44E-03	7.17E-03	3.41E-03	3.95E-04	1.24E-02
5054	478363.09	3863877.25	0.32371	0.22978	0.5257	0.12978	1.31E-03	6.86E-03	3.35E-03	4.10E-04	1.19E-02	1.19E-03	7.41E-09	4.47E-05	1.12E-05	1.25E-03	1.51E-03	6.86E-03	3.35E-03	4.10E-04	1.21E-02
5055	478863.09	3863877.25	0.29099	0.25696	0.5771	0.12865	1.18E-03	7.67E-03	3.68E-03	4.06E-04	1.29E-02	1.07E-03	8.28E-09	4.91E-05	1.11E-05	1.13E-03	1.36E-03	7.67E-03	3.68E-03	4.06E-04	1.31E-02
5056	479363.09	3863877.25	0.26086	0.28738	0.515	0.13019	1.05E-03	8.57E-03	3.29E-03	4.11E-04	1.33E-02	9.59E-04	9.26E-09	4.38E-05	1.12E-05	1.01E-03	1.22E-03	8.57E-03	3.29E-03	4.11E-04	1.35E-02
5057	479863.09	3863877.25	0.24718	0.30716	0.4729	0.1352	9.99E-04	9.16E-03	3.02E-03	4.27E-04	1.36E-02	9.09E-04	9.90E-09	4.02E-05	1.16E-05	9.61E-04	1.16E-03	9.16E-03	3.02E-03	4.27E-04	1.38E-02
5058	480363.09	3863877.25	0.26006	0.31492	0.5292	0.14094	1.05E-03	9.40E-03	3.38E-03	4.45E-04	1.43E-02	9.56E-04	1.02E-08	4.50E-05	1.21E-05	1.01E-03	1.22E-03	9.40E-03	3.38E-03	4.45E-04	1.44E-02
5059	480863.09	3863877.25	0.31048	0.33393	0.4788	0.12752	1.26E-03	9.96E-03	3.05E-03	4.03E-04	1.47E-02	1.14E-03	1.08E-08	4.07E-05	1.10E-05	1.19E-03	1.45E-03	9.96E-03	3.05E-03	4.03E-04	1.49E-02

5060	481363.09	3863877.25	0.29681	0.33553	0.4718	0.12523	1.20E-03	1.00E-02	3.01E-03	3.95E-04	1.46E-02	1.09E-03	1.08E-08	4.01E-05	1.08E-05	1.14E-03	1.39E-03	1.00E-02	3.01E-03	3.95E-04	1.48E-02
5061	481863.09	3863877.25	0.33744	0.34985	0.4413	0.13044	1.36E-03	1.04E-02	2.81E-03	4.12E-04	1.50E-02	1.24E-03	1.13E-08	3.75E-05	1.12E-05	1.29E-03	1.58E-03	1.04E-02	2.81E-03	4.12E-04	1.52E-02
5062	482363.09	3863877.25	0.37592	0.37388	0.3672	0.14051	1.52E-03	1.12E-02	2.34E-03	4.44E-04	1.55E-02	1.38E-03	1.21E-08	3.12E-05	1.21E-05	1.43E-03	1.76E-03	1.12E-02	2.34E-03	4.44E-04	1.57E-02
5063	482863.09	3863877.25	0.31685	0.37036	0.3944	0.15176	1.28E-03	1.10E-02	2.52E-03	4.79E-04	1.53E-02	1.16E-03	1.19E-08	3.35E-05	1.31E-05	1.21E-03	1.48E-03	1.10E-02	2.52E-03	4.79E-04	1.55E-02
5064	483363.09	3863877.25	0.30001	0.37091	0.1898	0.15032	1.21E-03	1.11E-02	1.21E-03	4.75E-04	1.40E-02	1.10E-03	1.20E-08	1.61E-05	1.29E-05	1.13E-03	1.40E-03	1.11E-02	1.21E-03	4.75E-04	1.42E-02
5065	483863.09	3863877.25	0.32005	0.33215	0.3047	0.15071	1.29E-03	9.91E-03	1.94E-03	4.76E-04	1.36E-02	1.18E-03	1.07E-08	2.59E-05	1.30E-05	1.22E-03	1.50E-03	9.91E-03	1.94E-03	4.76E-04	1.38E-02
5066	484363.09	3863877.25	0.31499	0.37394	0.4664	0.13744	1.27E-03	1.12E-02	2.97E-03	4.34E-04	1.58E-02	1.16E-03	1.21E-08	3.97E-05	1.18E-05	1.21E-03	1.47E-03	1.12E-02	2.97E-03	4.34E-04	1.60E-02
5067	484863.09	3863877.25	0.29178	0.39798	0.6027	0.12673	1.18E-03	1.19E-02	3.84E-03	4.00E-04	1.73E-02	1.07E-03	1.28E-08	5.13E-05	1.09E-05	1.13E-03	1.36E-03	1.19E-02	3.84E-03	4.00E-04	1.75E-02
5068	485363.09	3863877.25	0.26818	0.35992	0.3228	0.1099	1.08E-03	1.07E-02	2.06E-03	3.47E-04	1.42E-02	9.86E-04	1.16E-08	2.75E-05	9.46E-06	1.02E-03	1.25E-03	1.07E-02	2.06E-03	3.47E-04	1.44E-02
5069	485863.09	3863877.25	0.27412	0.3834	0.2029	0.10869	1.11E-03	1.14E-02	1.29E-03	3.43E-04	1.42E-02	1.01E-03	1.24E-08	1.73E-05	9.36E-06	1.03E-03	1.28E-03	1.14E-02	1.29E-03	3.43E-04	1.44E-02
5070	486363.09	3863877.25	0.29372	0.43552	0.2126	0.10274	1.19E-03	1.30E-02	1.36E-03	3.24E-04	1.59E-02	1.08E-03	1.40E-08	1.81E-05	8.85E-06	1.11E-03	1.37E-03	1.30E-02	1.36E-03	3.24E-04	1.60E-02
5071	486863.09	3863877.25	0.29067	0.40542	0.1856	0.08159	1.17E-03	1.21E-02	1.18E-03	2.58E-04	1.47E-02	1.07E-03	1.31E-08	1.58E-05	7.03E-06	1.09E-03	1.36E-03	1.21E-02	1.18E-03	2.58E-04	1.49E-02
5072	487363.09	3863877.25	0.32541	0.43589	0.2448	0.0883	1.32E-03	1.30E-02	1.56E-03	2.79E-04	1.62E-02	1.20E-03	1.40E-08	2.08E-05	7.60E-06	1.22E-03	1.52E-03	1.30E-02	1.56E-03	2.79E-04	1.64E-02
5073	487863.09	3863877.25	0.33081	0.37847	0.415	0.09417	1.34E-03	1.13E-02	2.65E-03	2.97E-04	1.56E-02	1.22E-03	1.22E-08	3.53E-05	8.11E-06	1.26E-03	1.55E-03	1.13E-02	2.65E-03	2.97E-04	1.58E-02
5074	488363.09	3863877.25	0.34834	0.38955	0.4986	0.15021	1.41E-03	1.16E-02	3.18E-03	4.74E-04	1.67E-02	1.28E-03	1.26E-08	4.24E-05	1.29E-05	1.34E-03	1.63E-03	1.16E-02	3.18E-03	4.74E-04	1.69E-02
5075	488863.09	3863877.25	0.34503	0.44289	0.2775	0.12916	1.39E-03	1.32E-02	1.77E-03	4.08E-04	1.68E-02	1.27E-03	1.43E-08	2.36E-05	1.11E-05	1.30E-03	1.61E-03	1.32E-02	1.77E-03	4.08E-04	1.70E-02
5076	489363.09	3863877.25	0.3484	0.50091	0.14	0.12503	1.41E-03	1.49E-02	8.93E-04	3.95E-04	1.76E-02	1.28E-03	1.61E-08	1.19E-05	1.08E-05	1.30E-03	1.63E-03	1.49E-02	8.93E-04	3.95E-04	1.79E-02
5077	489863.09	3863877.25	0.36613	0.48947	0.1343	0.14535	1.48E-03	1.46E-02	8.57E-04	4.59E-04	1.74E-02	1.35E-03	1.58E-08	1.14E-05	1.25E-05	1.37E-03	1.71E-03	1.46E-02	8.57E-04	4.59E-04	1.76E-02
5078	490363.09	3863877.25	0.41077	0.48596	0.1046	0.17041	1.66E-03	1.45E-02	6.67E-04	5.38E-04	1.74E-02	1.51E-03	1.57E-08	8.90E-06	1.47E-05	1.53E-03	1.92E-03	1.45E-02	6.67E-04	5.38E-04	1.76E-02
5079	490863.09	3863877.25	0.41713	0.50972	0.1268	0.21665	1.69E-03	1.52E-02	8.09E-04	6.84E-04	1.84E-02	1.53E-03	1.64E-08	1.08E-05	1.87E-05	1.56E-03	1.95E-03	1.52E-02	8.09E-04	6.84E-04	1.87E-02
5080	491363.09	3863877.25	0.38737	0.55133	0.3544	0.21546	1.57E-03	1.64E-02	2.26E-03	6.80E-04	2.10E-02	1.42E-03	1.78E-08	3.01E-05	1.86E-05	1.47E-03	1.81E-03	1.64E-02	2.26E-03	6.80E-04	2.12E-02
5081	491863.09	3863877.25	0.41907	0.54601	0.5399	0.24101	1.69E-03	1.63E-02	3.44E-03	7.61E-04	2.22E-02	1.54E-03	1.76E-08	4.59E-05	2.08E-05	1.61E-03	1.96E-03	1.63E-02	3.44E-03	7.61E-04	2.25E-02
5082	492363.09	3863877.25	0.40654	0.59455	0.6203	0.24167	1.64E-03	1.77E-02	3.96E-03	7.63E-04	2.41E-02	1.49E-03	1.92E-08	5.28E-05	2.08E-05	1.57E-03	1.90E-03	1.77E-02	3.96E-03	7.63E-04	2.44E-02
5083	492863.09	3863877.25	0.40591	0.49721	0.6277	0.28433	1.64E-03	1.48E-02	4.00E-03	8.98E-04	2.14E-02	1.49E-03	1.60E-08	5.34E-05	2.45E-05	1.57E-03	1.90E-03	1.48E-02	4.00E-03	8.98E-04	2.16E-02
5084	493363.09	3863877.25	0.36974	0.4387	0.4597	0.20419	1.49E-03	1.31E-02	2.93E-03	6.45E-04	1.82E-02	1.36E-03	1.41E-08	3.91E-05	1.76E-05	1.42E-03	1.73E-03	1.31E-02	2.93E-03	6.45E-04	1.84E-02
5085	493863.09	3863877.25	0.40367	0.43981	0.498	0.17271	1.63E-03	1.31E-02	3.18E-03	5.45E-04	1.85E-02	1.48E-03	1.42E-08	4.24E-05	1.49E-05	1.54E-03	1.89E-03	1.31E-02	3.18E-03	5.45E-04	1.87E-02
5086	494363.09	3863877.25	0.37416	0.42117	0.6704	0.19558	1.51E-03	1.26E-02	4.28E-03	6.18E-04	1.90E-02	1.38E-03	1.36E-08	5.70E-05	1.68E-05	1.45E-03	1.75E-03	1.26E-02	4.28E-03	6.18E-04	1.92E-02
5087	494863.09	3863877.25	0.33865	0.3685	0.7035	0.20014	1.37E-03	1.10E-02	4.49E-03	6.32E-04	1.75E-02	1.25E-03	1.19E-08	5.98E-05	1.72E-05	1.32E-03	1.58E-03	1.10E-02	4.49E-03	6.32E-04	1.77E-02
5088	495363.09	3863877.25	0.31135	0.4008	0.5249	0.18819	1.26E-03	1.20E-02	3.35E-03	5.94E-04	1.72E-02	1.14E-03	1.29E-08	4.46E-05	1.62E-05	1.21E-03	1.46E-03	1.20E-02	3.35E-03	5.94E-04	1.74E-02
5089	495863.09	3863877.25	0.28964	0.37035	0.4021	0.1884	1.17E-03	1.10E-02	2.57E-03	5.95E-04	1.54E-02	1.06E-03	1.19E-08	3.42E-05	1.62E-05	1.12E-03	1.35E-03	1.10E-02	2.57E-03	5.95E-04	1.56E-02
5090	496363.09	3863877.25	0.2794	0.39258	0.3596	0.19165	1.13E-03	1.17E-02	2.29E-03	6.05E-04	1.57E-02	1.03E-03	1.27E-08	3.06E-05	1.65E-05	1.07E-03	1.31E-03	1.17E-02	2.29E-03	6.05E-04	1.59E-02
5091	496863.09	3863877.25	0.27534	0.39081	0.3912	0.18261	1.11E-03	1.17E-02	2.50E-03	5.77E-04	1.58E-02	1.01E-03	1.26E-08	3.33E-05	1.57E-05	1.06E-03	1.29E-03	1.17E-02	2.50E-03	5.77E-04	1.60E-02
5092	497363.09	3863877.25	0.25664	0.38602	0.4013	0.16868	1.04E-03	1.15E-02	2.56E-03	5.33E-04	1.56E-02	9.44E-04	1.24E-08	3.41E-05	1.45E-05	9.92E-04	1.20E-03	1.15E-02	2.56E-03	5.33E-04	1.58E-02
5093	497863.09	3863877.25	0.23336	0.37071	0.3382	0.1492	9.43E-04	1.11E-02	2.16E-03	4.71E-04	1.46E-02	8.58E-04	1.19E-08	2.88E-05	1.28E-05	9.00E-04	1.09E-03	1.11E-02	2.16E-03	4.71E-04	1.48E-02
5094	498363.09	3863877.25	0.24841	0.32914	0.3836	0.14555	1.00E-03	9.82E-03	2.45E-03	4.60E-04	1.37E-02	9.13E-04	1.06E-08	3.26E-05	1.25E-05	9.58E-04	1.16E-03	9.82E-03	2.45E-03	4.60E-04	1.39E-02
5095	471363.09	3864377.25	0.19331	0.1542	0.3862	0.10044	7.81E-04	4.60E-03	2.46E-03	3.17E-04	8.16E-03	7.11E-04	4.97E-09	3.28E-05	8.65E-06	7.52E-04	9.04E-04	4.60E-03	2.46E-03	3.17E-04	8.28E-03
5096	471863.09	3864377.25	0.2006	0.15965	0.4208	0.10141	8.11E-04	4.76E-03	2.68E-03	3.20E-04	8.58E-03	7.38E-04	5.15E-09	3.58E-05	8.73E-06	7.82E-04	9.38E-04	4.76E-03	2.68E-03	3.20E-04	8.71E-03
5097	472363.09	3864377.25	0.19966	0.1631	0.3916	0.10075	8.07E-04	4.87E-03	2.50E-03	3.18E-04	8.49E-03	7.34E-04	5.26E-09	3.33E-05	8.68E-06	7.76E-04	9.34E-04	4.87E-03	2.50E-03	3.18E-04	8.62E-03
5098	472863.09	3864377.25	0.2052	0.16645	0.4135	0.09964	8.29E-04	4.97E-03	2.64E-03	3.15E-04	8.75E-03	7.54E-04	5.36E-09	3.52E-05	8.58E-06	7.98E-04	9.60E-04	4.97E-03	2.64E-03	3.15E-04	8.88E-03
5099	473363.09	3864377.25	0.22029	0.17045	0.3162	0.0978	8.90E-04	5.09E-03	2.02E-03	3.09E-04	8.30E-03	8.10E-04	5.49E-09	2.69E-05	8.42E-06	8.45E-04	1.03E-03	5.09E-03	2.02E-03	3.09E-04	8.44E-03
5100	473863.09	3864377.25	0.21209	0.16891	0.3892	0.1001	8.57E-04	5.04E-03	2.48E-03	3.16E-04	8.69E-03	7.80E-04	5.44E-09	3.31E-05	8.62E-06	8.21E-04	9.92E-04	5.04E-03	2.48E-03	3.16E-04	8.83E-03
5101	474363.09	3864377.25	0.23588	0.17564	0.3597	0.10483	9.53E-04	5.24E-03	2.29E-03	3.31E-04	8.82E-03	8.67E-04	5.66E-09	3.06E-05	9.03E-06	9.07E-04	1.10E-03	5.24E-03	2.29E-03	3.31E-04	8.97E-03
5102	474863.09	3864377.25	0.24365	0.18879	0.3407	0.10963	9.85E-04	5.63E-03	2.17E-03	3.46E-04	9.14E-03	8.96E-04	6.08E-09	2.90E-05	9.44E-06	9.34E-04	1.14E-03	5.63E-03	2.17E-03	3.46E-04	9.29E-03
5103	475363.09	3864377.25	0.23446	0.20586	0.3701	0.10537	9.48E-04	6.14E-03	2.36E-03	3.33E-04	9.78E-03	8.62E-04	6.63E-09	3.15E-05	9.07E-06	9.03E-04	1.10E-03	6.14E-03	2.36E-03	3.33E-04	9.93E-03
5104	475863.09	3864377.25	0.23033	0.20953	0.3854	0.10658	9.31E-04	6.25E-03	2.46E-03	3.37E-04	9.98E-03	8.47E-04	6.75E-09	3.28E-05	9.18E-06	8.89E-04	1.08E-03	6.25E-03	2.46E-03	3.37E-04	1.01E-02
5105	476363.09	3864377.25	0.21726	0.21243	0.4066	0.1156	8.78E-04	6.34E-03	2.59E-03	3.65E-04	1.02E-02	7.99E-04	6.85E-09	3.46E-05	9.95E-06	8.43E-04	1.02E-03	6.34E-03	2.59E-03	3.65E-04	1.03E-02
5106	476863.09	3864377.25	0.27743	0.21898	0.4779	0.11047	1.12E-03	6.53E-03	3.05E-03	3.49E-04	1.11E-02	1.02E-03	7.06E-09	4.06E-05	9.51E-06	1.07E-03	1.30E-03	6.53E-03	3.05E-03	3.49E-04	1.12E-02
5107	477363.09	3864377.25	0.27751	0.23188	0.4604	0.1125	1.12E-03	6.92E-03	2.94E-03	3.55E-04	1.13E-02	1.02E-03	7.47E-09	3.92E-05	9.69E-06	1.07E-03	1.30E-03	6.92E-03	2.94E-03	3.55E-04	1.15E-02
5108	477863.09	3864377.25	0.2948	0.24882	0.5229	0.11833	1.19E-03	7.42E-03	3.34E-03	3.74E-04	1.23E-02	1.08E-03	8.02E-09	4.45E-05	1.02E-05	1.14E-03	1.38E-03	7.42E-03	3.34E-03	3.74E-04	1.25E-02
5109	478363.09	3864377.25	0.26893	0.25091	0.5198	0.12486	1.09E-03	7.49E-03	3.32E-03	3.94E-04	1.23E-02	9.89E-04	8.09E-09	4.42E-05	1.08E-05	1.04E-03	1.26E-03	7.49E-03	3.32E-03	3.94E-04	1.25E-02
5110	478863.09	3864377.25	0.24486	0.24544	0.4584	0.13691	9.90E-04	7.32E-03	2.92E-03	4.32E-04	1.17E-02	9.00E-04	7.91E-09	3.90E-05	1.18E-05	9.51E-04	1.15E-03	7.32E-03	2.92E-03	4.32E-04	1.18E-02
5111	479363.09	3864377.25	0.23367	0.26858	0.4478	0.12621	9.45E-04	8.01E-03	2.86E-03	3.98E-04	1.22E-02	8.59E-04	8.66E-09	3.81E-05	1.09E-05	9.08E-04	1.09E-03	8.01E-03	2.86E-03	3.98E-04	1.24E-02
5112	479863.09	3864377.25	0.23393	0.2917	0.4448	0.12952	9.46E-04	8.70E-03	2.84E-03	4.09E-04	1.29E-02	8.60E-04	9.40E-09	3.78E-05	1.12E-05	9.09E-04	1.09E-03	8.70E-03	2.84E-03	4.09E-04	1.30E-02
5113	480363.09	3864377.25	0.27346	0.31708	0.4489	0.13264	1.11E-03	9.46E-03	2.86E-03	4.19E-04	1.38E-02	1.01E-03	1.02E-08	3.82E-05	1.14E-05	1.05E-03	1.28E-03	9.46E-03	2.86E-03	4.19E-04	1.40E-02
5114	480863.09	3864377.25	0.2641	0.31435	0.4327	0.12694	1.07E-03	9.38E-03	2.76E-03	4.01E-04	1.36E-02	9.71E-04	1.01E-08	3.68E-05	1.09E-05	1.02E-03	1.24E-03	9.38E-03	2.76E-03	4.01E-04	1.38E-02
5115	481363.09	3864377.25	0.29342	0.33282	0.387	0.1272	1.19E-03	9.93E-03	2.47E-03	4.02E-04	1.40E-02	1.08E-03	1.07E-08	3.29E-05	1.10E-05	1.12E-03	1.37E-03	9.93E-03	2.47E-03	4.02E-04	1.42E-02
5116	481863.09	3864377.25	0.3551	0.34124	0.3337	0.1324	1.44E-03	1.02E-02	2.13E-03	4.18E-04	1.42E-02	1.31E-03	1.10E-08	2.84E-05	1.14E-05	1.35E-03	1.66E-03	1.02E-02	2.13E-03	4.18E-04	1.44E-02
5117	482363.09	3864377.25	0.32558	0.34802	0.3735	0.14825	1.32E-03	1.04E-02	2.38E-03	4.68E-04	1.45E-02	1.20E-03	1.12E-08	3.18E-05	1.28E-05	1.24E-03	1.52E-03	1.04E-02	2.38E-03	4.68E-04	1.48E-02
5118	482863.09	3864377.25	0.30982	0.31726	0.2038	0.124	1.25E-03	9.46E-03	1.30E-03	3.92E-04	1.24E-02	1.14E-03	1.02E-08	1.73E-05	1.07E-05	1.17E-03	1.45E-03	9.46E-03	1.30E-03	3.92E-04	1.26E-02
5119	483363.09	3864377.25	0.26317	0.29815	0.2135	0.14527	1.06E-03	8.89E-03	1.36E-03	4.59E-04	1.18E-02	9.68E-04	9.61E-09	1.82E-05	1.25E-05	9.98E-04	1.23E-03	8.89E-03	1.36E-03	4.59E-04	1.19E-02
5120	483863.09	3864377.25	0.30794	0.31807	0.3177	0.12807	1.24E-03	9.49E-03	2.03E-03	4.04E-04	1.32E-02	1.13E-03	1.03E-08	2.70E-05	1.10E-05	1.17E-03	1.44E-03	9.49E-03	2.03E-03	4.04E-04	1.34E-02

5121	484363.09	3864377.25	0.27766	0.33742	0.3834	0.11023	1.12E-03	1.01E-02	2.45E-03	3.48E-04	1.40E-02	1.02E-03	1.09E-08	3.26E-05	9.49E-06	1.06E-03	1.30E-03	1.01E-02	2.45E-03	3.48E-04	1.42E-02
5122	484863.09	3864377.25	0.27519	0.31798	0.4635	0.1043	1.11E-03	9.49E-03	2.96E-03	3.29E-04	1.39E-02	1.01E-03	1.02E-08	3.94E-05	8.98E-06	1.06E-03	1.29E-03	9.49E-03	2.96E-03	3.29E-04	1.41E-02
5123	485363.09	3864377.25	0.2395	0.31119	0.1674	0.08564	9.68E-04	9.28E-03	1.07E-03	2.70E-04	1.16E-02	8.81E-04	1.00E-08	1.42E-05	7.37E-06	9.02E-04	1.12E-03	9.28E-03	1.07E-03	2.70E-04	1.17E-02
5124	485863.09	3864377.25	0.25556	0.35933	0.2158	0.11528	1.03E-03	1.07E-02	1.38E-03	3.64E-04	1.35E-02	9.40E-04	1.16E-08	1.83E-05	9.93E-06	9.68E-04	1.20E-03	1.07E-02	1.38E-03	3.64E-04	1.37E-02
5125	486363.09	3864377.25	0.27294	0.35677	0.1947	0.08239	1.10E-03	1.06E-02	1.24E-03	2.60E-04	1.32E-02	1.00E-03	1.15E-08	1.66E-05	7.09E-06	1.03E-03	1.28E-03	1.06E-02	1.24E-03	2.60E-04	1.34E-02
5126	486863.09	3864377.25	0.26674	0.34361	0.1535	0.08431	1.08E-03	1.03E-02	9.79E-04	2.66E-04	1.26E-02	9.81E-04	1.11E-08	1.31E-05	7.26E-06	1.00E-03	1.25E-03	1.03E-02	9.79E-04	2.66E-04	1.27E-02
5127	487363.09	3864377.25	0.28484	0.38574	0.2378	0.07881	1.15E-03	1.15E-02	1.52E-03	2.49E-04	1.44E-02	1.05E-03	1.24E-08	2.02E-05	6.79E-06	1.07E-03	1.33E-03	1.15E-02	1.52E-03	2.49E-04	1.46E-02
5128	487863.09	3864377.25	0.33065	0.32675	0.4266	0.08975	1.34E-03	9.75E-03	2.72E-03	2.83E-04	1.41E-02	1.22E-03	1.05E-08	3.63E-05	7.73E-06	1.26E-03	1.55E-03	9.75E-03	2.72E-03	2.83E-04	1.43E-02
5129	488363.09	3864377.25	0.30472	0.34681	0.4608	0.13984	1.23E-03	1.03E-02	2.94E-03	4.42E-04	1.50E-02	1.12E-03	1.12E-08	3.92E-05	1.20E-05	1.17E-03	1.43E-03	1.03E-02	2.94E-03	4.42E-04	1.52E-02
5130	488863.09	3864377.25	0.32022	0.3802	0.2534	0.11085	1.29E-03	1.13E-02	1.62E-03	3.50E-04	1.46E-02	1.18E-03	1.23E-08	2.15E-05	9.55E-06	1.21E-03	1.50E-03	1.13E-02	1.62E-03	3.50E-04	1.48E-02
5131	489363.09	3864377.25	0.3287	0.39813	0.1298	0.09233	1.33E-03	1.19E-02	8.28E-04	2.92E-04	1.43E-02	1.21E-03	1.28E-08	1.10E-05	7.95E-06	1.23E-03	1.54E-03	1.19E-02	8.28E-04	2.92E-04	1.45E-02
5132	489863.09	3864377.25	0.31684	0.40344	0.13	0.1288	1.28E-03	1.20E-02	8.29E-04	4.07E-04	1.46E-02	1.16E-03	1.30E-08	1.11E-05	1.11E-05	1.19E-03	1.48E-03	1.20E-02	8.29E-04	4.07E-04	1.48E-02
5133	490363.09	3864377.25	0.3406	0.44359	0.1548	0.14944	1.38E-03	1.32E-02	9.87E-04	4.72E-04	1.61E-02	1.25E-03	1.43E-08	1.32E-05	1.29E-05	1.28E-03	1.59E-03	1.32E-02	9.87E-04	4.72E-04	1.63E-02
5134	490863.09	3864377.25	0.39943	0.44623	0.1208	0.19461	1.61E-03	1.33E-02	7.71E-04	6.14E-04	1.63E-02	1.47E-03	1.44E-08	1.03E-05	1.68E-05	1.50E-03	1.87E-03	1.33E-02	7.71E-04	6.14E-04	1.66E-02
5135	491363.09	3864377.25	0.39317	0.46844	0.2482	0.21857	1.59E-03	1.40E-02	1.58E-03	6.90E-04	1.78E-02	1.45E-03	1.51E-08	2.11E-05	1.88E-05	1.49E-03	1.84E-03	1.40E-02	1.58E-03	6.90E-04	1.81E-02
5136	491863.09	3864377.25	0.35332	0.1235	0.4033	0.19529	1.43E-03	3.68E-03	2.57E-03	6.17E-04	8.30E-03	1.30E-03	3.98E-09	3.43E-05	1.68E-05	1.35E-03	1.65E-03	3.68E-03	2.57E-03	6.17E-04	8.53E-03
5137	492363.09	3864377.25	0.48584	0.34293	0.5604	0.23767	1.96E-03	1.02E-02	3.57E-03	7.50E-04	1.65E-02	1.79E-03	1.11E-08	4.77E-05	2.05E-05	1.85E-03	2.27E-03	1.02E-02	3.57E-03	7.50E-04	1.68E-02
5138	492863.09	3864377.25	0.44144	0.20709	0.5609	0.20893	1.78E-03	6.18E-03	3.58E-03	6.60E-04	1.22E-02	1.62E-03	6.67E-09	4.77E-05	1.80E-05	1.69E-03	2.06E-03	6.18E-03	3.58E-03	6.60E-04	1.25E-02
5139	493363.09	3864377.25	0.47575	0.28943	0.5424	0.25395	1.92E-03	8.63E-03	3.46E-03	8.02E-04	1.48E-02	1.75E-03	9.33E-09	4.61E-05	2.19E-05	1.82E-03	2.22E-03	8.63E-03	3.46E-03	8.02E-04	1.51E-02
5140	493863.09	3864377.25	0.40421	0.37397	0.46	0.20424	1.63E-03	1.12E-02	2.93E-03	6.45E-04	1.64E-02	1.49E-03	1.21E-08	3.91E-05	1.76E-05	1.54E-03	1.89E-03	1.12E-02	2.93E-03	6.45E-04	1.66E-02
5141	494363.09	3864377.25	0.37189	0.38178	0.4378	0.17392	1.50E-03	1.14E-02	2.79E-03	5.49E-04	1.62E-02	1.37E-03	1.23E-08	3.72E-05	1.50E-05	1.42E-03	1.74E-03	1.14E-02	2.79E-03	5.49E-04	1.65E-02
5142	494863.09	3864377.25	0.34934	0.37668	0.5978	0.1667	1.41E-03	1.12E-02	3.81E-03	5.26E-04	1.70E-02	1.28E-03	1.21E-08	5.08E-05	1.44E-05	1.35E-03	1.63E-03	1.12E-02	3.81E-03	5.26E-04	1.72E-02
5143	495363.09	3864377.25	0.30851	0.35709	0.6632	0.20729	1.25E-03	1.07E-02	4.23E-03	6.54E-04	1.68E-02	1.13E-03	1.15E-08	5.64E-05	1.78E-05	1.21E-03	1.44E-03	1.07E-02	4.23E-03	6.54E-04	1.70E-02
5144	495863.09	3864377.25	0.29271	0.33433	0.5127	0.19088	1.18E-03	9.97E-03	3.27E-03	6.03E-04	1.50E-02	1.08E-03	1.08E-08	4.36E-05	1.64E-05	1.14E-03	1.37E-03	9.97E-03	3.27E-03	6.03E-04	1.52E-02
5145	496363.09	3864377.25	0.27999	0.34568	0.4064	0.17197	1.13E-03	1.03E-02	2.59E-03	5.43E-04	1.46E-02	1.03E-03	1.11E-08	3.46E-05	1.48E-05	1.08E-03	1.31E-03	1.03E-02	2.59E-03	5.43E-04	1.48E-02
5146	496863.09	3864377.25	0.26671	0.3296	0.3321	0.17961	1.08E-03	9.83E-03	2.12E-03	5.67E-04	1.36E-02	9.81E-04	1.06E-08	2.82E-05	1.55E-05	1.02E-03	1.25E-03	9.83E-03	2.12E-03	5.67E-04	1.38E-02
5147	497363.09	3864377.25	0.25834	0.34191	0.3958	0.17615	1.04E-03	1.02E-02	2.52E-03	5.56E-04	1.43E-02	9.50E-04	1.10E-08	3.37E-05	1.52E-05	9.99E-04	1.21E-03	1.02E-02	2.52E-03	5.56E-04	1.45E-02
5148	497863.09	3864377.25	0.26343	0.35356	0.4053	0.17367	1.06E-03	1.05E-02	2.58E-03	5.48E-04	1.47E-02	9.69E-04	1.14E-08	3.45E-05	1.50E-05	1.02E-03	1.23E-03	1.05E-02	2.58E-03	5.48E-04	1.49E-02
5149	498363.09	3864377.25	0.2287	0.35098	0.3467	0.16161	9.24E-04	1.05E-02	2.21E-03	5.10E-04	1.41E-02	8.41E-04	1.13E-08	2.95E-05	1.39E-05	8.84E-04	1.07E-03	1.05E-02	2.21E-03	5.10E-04	1.43E-02
5150	471363.09	3864877.25	0.18405	0.14931	0.3782	0.09919	7.44E-04	4.45E-03	2.41E-03	3.13E-04	7.92E-03	6.77E-04	4.81E-09	3.22E-05	8.54E-06	7.17E-04	8.61E-04	4.45E-03	2.41E-03	3.13E-04	8.04E-03
5151	471863.09	3864877.25	0.18214	0.15341	0.3656	0.09779	7.36E-04	4.58E-03	2.33E-03	3.09E-04	7.95E-03	6.70E-04	4.94E-09	3.11E-05	8.42E-06	7.09E-04	8.52E-04	4.58E-03	2.33E-03	3.09E-04	8.07E-03
5152	472363.09	3864877.25	0.18704	0.15403	0.2809	0.09859	7.56E-04	4.60E-03	1.79E-03	3.11E-04	7.45E-03	6.88E-04	4.96E-09	2.39E-05	8.49E-06	7.20E-04	8.75E-04	4.60E-03	1.79E-03	3.11E-04	7.57E-03
5153	472863.09	3864877.25	0.20281	0.15422	0.3761	0.10128	8.20E-04	4.60E-03	2.40E-03	3.20E-04	8.14E-03	7.46E-04	4.97E-09	3.20E-05	8.72E-06	7.86E-04	9.48E-04	4.60E-03	2.40E-03	3.20E-04	8.27E-03
5154	473363.09	3864877.25	0.20697	0.15991	0.3348	0.10355	8.37E-04	4.77E-03	2.14E-03	3.27E-04	8.07E-03	7.61E-04	5.15E-09	2.85E-05	8.92E-06	7.98E-04	9.68E-04	4.77E-03	2.14E-03	3.27E-04	8.20E-03
5155	473863.09	3864877.25	0.22857	0.17004	0.3176	0.09947	9.24E-04	5.07E-03	2.03E-03	3.14E-04	8.34E-03	8.40E-04	5.48E-09	2.70E-05	8.57E-06	8.76E-04	1.07E-03	5.07E-03	2.03E-03	3.14E-04	8.48E-03
5156	474363.09	3864877.25	0.22661	0.18056	0.3459	0.10516	9.16E-04	5.39E-03	2.21E-03	3.32E-04	8.84E-03	8.33E-04	5.82E-09	2.94E-05	9.06E-06	8.72E-04	1.06E-03	5.39E-03	2.21E-03	3.32E-04	8.98E-03
5157	474863.09	3864877.25	0.21491	0.18709	0.3574	0.1047	8.69E-04	5.58E-03	2.28E-03	3.31E-04	9.06E-03	7.90E-04	6.03E-09	3.04E-05	9.02E-06	8.30E-04	1.01E-03	5.58E-03	2.28E-03	3.31E-04	9.20E-03
5158	475363.09	3864877.25	0.2108	0.19138	0.3605	0.11131	8.52E-04	5.71E-03	2.30E-03	3.51E-04	9.21E-03	7.75E-04	6.17E-09	3.07E-05	9.58E-06	8.15E-04	9.86E-04	5.71E-03	2.30E-03	3.51E-04	9.35E-03
5159	475863.09	3864877.25	0.20185	0.19543	0.4259	0.10524	8.16E-04	5.83E-03	2.72E-03	3.32E-04	9.70E-03	7.42E-04	6.30E-09	3.62E-05	9.06E-06	7.87E-04	9.44E-04	5.83E-03	2.72E-03	3.32E-04	9.82E-03
5160	476363.09	3864877.25	0.25334	0.20646	0.3996	0.10493	1.02E-03	6.16E-03	2.55E-03	3.31E-04	1.01E-02	9.31E-04	6.65E-09	3.40E-05	9.04E-06	9.74E-04	1.18E-03	6.16E-03	2.55E-03	3.31E-04	1.02E-02
5161	476863.09	3864877.25	0.25306	0.21822	0.4698	0.10965	1.02E-03	6.51E-03	3.00E-03	3.46E-04	1.09E-02	9.30E-04	7.03E-09	4.00E-05	9.44E-06	9.80E-04	1.18E-03	6.51E-03	3.00E-03	3.46E-04	1.10E-02
5162	477363.09	3864877.25	0.27284	0.22177	0.5151	0.11853	1.10E-03	6.62E-03	3.29E-03	3.74E-04	1.14E-02	1.00E-03	7.15E-09	4.38E-05	1.02E-05	1.06E-03	1.28E-03	6.62E-03	3.29E-03	3.74E-04	1.16E-02
5163	477863.09	3864877.25	0.25147	0.23344	0.4374	0.11804	1.02E-03	6.96E-03	2.79E-03	3.73E-04	1.11E-02	9.25E-04	7.52E-09	3.72E-05	1.02E-05	9.72E-04	1.18E-03	6.96E-03	2.79E-03	3.73E-04	1.13E-02
5164	478363.09	3864877.25	0.22985	0.22756	0.4198	0.11928	9.29E-04	6.79E-03	2.68E-03	3.77E-04	1.08E-02	8.45E-04	7.33E-09	3.57E-05	1.03E-05	8.91E-04	1.07E-03	6.79E-03	2.68E-03	3.77E-04	1.09E-02
5165	478863.09	3864877.25	0.22187	0.26413	0.4388	0.1307	8.97E-04	7.88E-03	2.80E-03	4.13E-04	1.20E-02	8.16E-04	8.51E-09	3.73E-05	1.13E-05	8.64E-04	1.04E-03	7.88E-03	2.80E-03	4.13E-04	1.21E-02
5166	479363.09	3864877.25	0.21934	0.26518	0.4368	0.12609	8.87E-04	7.91E-03	2.79E-03	3.98E-04	1.20E-02	8.06E-04	8.55E-09	3.71E-05	1.09E-05	8.54E-04	1.03E-03	7.91E-03	2.79E-03	3.98E-04	1.21E-02
5167	479863.09	3864877.25	0.22548	0.28978	0.4156	0.1265	9.11E-04	8.65E-03	2.65E-03	3.99E-04	1.26E-02	8.29E-04	9.34E-09	3.53E-05	1.09E-05	8.75E-04	1.05E-03	8.65E-03	2.65E-03	3.99E-04	1.27E-02
5168	480363.09	3864877.25	0.24063	0.29461	0.4005	0.1276	9.73E-04	8.79E-03	2.55E-03	4.03E-04	1.27E-02	8.85E-04	9.50E-09	3.41E-05	1.10E-05	9.30E-04	1.13E-03	8.79E-03	2.55E-03	4.03E-04	1.29E-02
5169	480863.09	3864877.25	0.2353	0.31125	0.3549	0.12203	9.51E-04	9.29E-03	2.26E-03	3.85E-04	1.29E-02	8.65E-04	1.00E-08	3.02E-05	1.05E-05	9.06E-04	1.10E-03	9.29E-03	2.26E-03	3.85E-04	1.30E-02
5170	481363.09	3864877.25	0.28779	0.31642	0.3054	0.12145	1.16E-03	9.44E-03	1.95E-03	3.83E-04	1.29E-02	1.06E-03	1.02E-08	2.60E-05	1.05E-05	1.09E-03	1.35E-03	9.44E-03	1.95E-03	3.83E-04	1.31E-02
5171	481863.09	3864877.25	0.32583	0.319	0.3524	0.13279	1.32E-03	9.52E-03	2.25E-03	4.19E-04	1.35E-02	1.20E-03	1.03E-08	3.00E-05	1.14E-05	1.24E-03	1.52E-03	9.52E-03	2.25E-03	4.19E-04	1.37E-02
5172	482363.09	3864877.25	0.27352	0.29752	0.2114	0.12935	1.11E-03	8.88E-03	1.35E-03	4.08E-04	1.17E-02	1.01E-03	9.59E-09	1.80E-05	1.11E-05	1.03E-03	1.28E-03	8.88E-03	1.35E-03	4.08E-04	1.19E-02
5173	482863.09	3864877.25	0.24905	0.26872	0.1638	0.11752	1.01E-03	8.02E-03	1.05E-03	3.71E-04	1.04E-02	9.16E-04	8.66E-09	1.39E-05	1.01E-05	9.40E-04	1.16E-03	8.02E-03	1.05E-03	3.71E-04	1.06E-02
5174	483363.09	3864877.25	0.258	0.28841	0.3686	0.12386	1.04E-03	8.60E-03	2.35E-03	3.91E-04	1.24E-02	9.49E-04	9.30E-09	3.13E-05	1.07E-05	9.91E-04	1.21E-03	8.60E-03	2.35E-03	3.91E-04	1.26E-02
5175	483863.09	3864877.25	0.29674	0.29274	0.4955	0.11754	1.20E-03	8.73E-03	3.16E-03	3.71E-04	1.35E-02	1.09E-03	9.44E-09	4.21E-05	1.01E-05	1.14E-03	1.39E-03	8.73E-03	3.16E-03	3.71E-04	1.37E-02
5176	484363.09	3864877.25	0.25592	0.29261	0.5856	0.10322	1.03E-03	8.73E-03	3.74E-03	3.26E-04	1.38E-02	9.41E-04	9.43E-09	4.98E-05	8.89E-06	1.00E-03	1.20E-03	8.73E-03	3.74E-03	3.26E-04	1.40E-02
5177	484863.09	3864877.25	0.25868	0.27606	0.2877	0.08206	1.05E-03	8.24E-03	1.84E-03	2.59E-04	1.14E-02	9.51E-04	8.90E-09	2.45E-05	7.07E-06	9.83E-04	1.21E-03	8.24E-03	1.84E-03	2.59E-04	1.15E-02
5178	485363.09	3864877.25	0.22448	0.3028	0.1727	0.10766	9.07E-04	9.03E-03	1.10E-03	3.40E-04	1.14E-02	8.25E-04	9.76E-09	1.47E-05	9.27E-06	8.49E-04	1.05E-03	9.03E-03	1.10E-03	3.40E-04	1.15E-02
5179	485863.09	3864877.25	0.24012	0.33315	0.1663	0.09563	9.71E-04	9.94E-03	1.06E-03	3.02E-04	1.23E-02	8.83E-04	1.07E-08	1.41E-05	8.23E-06	9.05E-04	1.12E-03	9.94E-03	1.06E-03	3.02E-04	1.24E-02
5180	486363.09	3864877.25	0.25442	0.29963	0.186	0.0854	1.03E-03	8.94E-03	1.19E-03	2.70E-04	1.14E-02	9.35E-04	9.66E-09	1.58E-05	7.35E-06	9.59E-04	1.19E-03	8.94E-03	1.19E-03	2.70E-04	1.16E-02
5181	486863.09	3864877.25	0.25529	0.30774	0.197	0.08093	1.03E-03	9.18E-03	1.26E-03	2.56E-04	1.17E-02	9.39E-04	9.92E-09	1.68E-05	6.97E-06	9.62E-04	1.19E-03	9.18E-03	1.26E-03	2.56E-04	1.19E-02

5182	487363.09	3864877.25	0.24931	0.32419	0.2308	0.07992	1.01E-03	9.67E-03	1.47E-03	2.52E-04	1.24E-02	9.17E-04	1.04E-08	1.96E-05	6.88E-06	9.43E-04	1.17E-03	9.67E-03	1.47E-03	2.52E-04	1.26E-02
5183	487863.09	3864877.25	0.29898	0.29319	0.435	0.0835	1.21E-03	8.75E-03	2.77E-03	2.64E-04	1.30E-02	1.10E-03	9.45E-09	3.70E-05	7.19E-06	1.14E-03	1.40E-03	8.75E-03	2.77E-03	2.64E-04	1.32E-02
5184	488363.09	3864877.25	0.28533	0.29856	0.4377	0.13104	1.15E-03	8.91E-03	2.79E-03	4.14E-04	1.33E-02	1.05E-03	9.62E-09	3.72E-05	1.13E-05	1.10E-03	1.33E-03	8.91E-03	2.79E-03	4.14E-04	1.34E-02
5185	488863.09	3864877.25	0.27926	0.33239	0.263	0.09919	1.13E-03	9.92E-03	1.68E-03	3.13E-04	1.30E-02	1.03E-03	1.07E-08	2.24E-05	8.54E-06	1.06E-03	1.31E-03	9.92E-03	1.68E-03	3.13E-04	1.32E-02
5186	489363.09	3864877.25	0.29232	0.34798	0.1389	0.09575	1.18E-03	1.04E-02	8.86E-04	3.02E-04	1.28E-02	1.07E-03	1.12E-08	1.18E-05	8.25E-06	1.09E-03	1.37E-03	1.04E-02	8.86E-04	3.02E-04	1.29E-02
5187	489863.09	3864877.25	0.30605	0.37393	0.1099	0.10148	1.24E-03	1.12E-02	7.01E-04	3.20E-04	1.34E-02	1.13E-03	1.21E-08	9.35E-06	8.74E-06	1.14E-03	1.43E-03	1.12E-02	7.01E-04	3.20E-04	1.36E-02
5188	490363.09	3864877.25	0.31005	0.39484	0.1124	0.13248	1.25E-03	1.18E-02	7.17E-04	4.18E-04	1.42E-02	1.14E-03	1.27E-08	9.56E-06	1.14E-05	1.16E-03	1.45E-03	1.18E-02	7.17E-04	4.18E-04	1.44E-02
5189	490863.09	3864877.25	0.37119	0.36152	0.087	0.1572	1.50E-03	1.08E-02	5.55E-04	4.96E-04	1.33E-02	1.36E-03	1.17E-08	7.40E-06	1.35E-05	1.39E-03	1.74E-03	1.08E-02	5.55E-04	4.96E-04	1.36E-02
5190	491363.09	3864877.25	0.40364	0.42528	0.1347	0.2104	1.63E-03	1.27E-02	8.59E-04	6.64E-04	1.58E-02	1.48E-03	1.37E-08	1.15E-05	1.81E-05	1.51E-03	1.89E-03	1.27E-02	8.59E-04	6.64E-04	1.61E-02
5191	491863.09	3864877.25	0.34777	0.35627	0.2866	0.21462	1.41E-03	1.06E-02	1.83E-03	6.78E-04	1.45E-02	1.28E-03	1.15E-08	2.44E-05	1.85E-05	1.32E-03	1.63E-03	1.06E-02	1.83E-03	6.78E-04	1.48E-02
5192	492363.09	3864877.25	0.18708	0.07849	0.3923	0.11818	7.56E-04	2.34E-03	2.50E-03	3.73E-04	5.97E-03	6.88E-04	2.53E-09	3.34E-05	1.02E-05	7.31E-04	8.75E-04	2.34E-03	2.50E-03	3.73E-04	6.09E-03
5193	492863.09	3864877.25	0.29482	0.11385	0.5509	0.17929	1.19E-03	3.40E-03	3.51E-03	5.66E-04	8.67E-03	1.08E-03	3.67E-09	4.69E-05	1.54E-05	1.15E-03	1.38E-03	3.40E-03	3.51E-03	5.66E-04	8.86E-03
5194	493363.09	3864877.25	0.27351	0.12581	0.5568	0.14944	1.11E-03	3.75E-03	3.55E-03	4.72E-04	8.88E-03	1.01E-03	4.05E-09	4.74E-05	1.29E-05	1.07E-03	1.28E-03	3.75E-03	3.55E-03	4.72E-04	9.06E-03
5195	493863.09	3864877.25	0.43048	0.28167	0.492	0.23437	1.74E-03	8.40E-03	3.14E-03	7.40E-04	1.40E-02	1.58E-03	9.08E-09	4.18E-05	2.02E-05	1.64E-03	2.01E-03	8.40E-03	3.14E-03	7.40E-04	1.43E-02
5196	494363.09	3864877.25	0.35118	0.36264	0.3686	0.21115	1.42E-03	1.08E-02	2.35E-03	6.67E-04	1.53E-02	1.29E-03	1.17E-08	3.13E-05	1.82E-05	1.34E-03	1.64E-03	1.08E-02	2.35E-03	6.67E-04	1.55E-02
5197	494863.09	3864877.25	0.33773	0.35489	0.4065	0.16908	1.37E-03	1.06E-02	2.59E-03	5.34E-04	1.51E-02	1.24E-03	1.14E-08	3.46E-05	1.46E-05	1.29E-03	1.58E-03	1.06E-02	2.59E-03	5.34E-04	1.53E-02
5198	495363.09	3864877.25	0.32637	0.35431	0.5358	0.15379	1.32E-03	1.06E-02	3.42E-03	4.86E-04	1.58E-02	1.20E-03	1.14E-08	4.56E-05	1.32E-05	1.26E-03	1.53E-03	1.06E-02	3.42E-03	4.86E-04	1.60E-02
5199	495863.09	3864877.25	0.28095	0.33795	0.6	0.17934	1.14E-03	1.01E-02	3.83E-03	5.66E-04	1.56E-02	1.03E-03	1.09E-08	5.10E-05	1.54E-05	1.10E-03	1.31E-03	1.01E-02	3.83E-03	5.66E-04	1.58E-02
5200	496363.09	3864877.25	0.2818	0.3021	0.5215	0.19751	1.14E-03	9.01E-03	3.33E-03	6.24E-04	1.41E-02	1.04E-03	9.74E-09	4.43E-05	1.70E-05	1.10E-03	1.32E-03	9.01E-03	3.33E-03	6.24E-04	1.43E-02
5201	496863.09	3864877.25	0.25384	0.31391	0.3982	0.16208	1.03E-03	9.36E-03	2.54E-03	5.12E-04	1.34E-02	9.33E-04	1.01E-08	3.39E-05	1.40E-05	9.81E-04	1.19E-03	9.37E-03	2.54E-03	5.12E-04	1.36E-02
5202	497363.09	3864877.25	0.25497	0.30269	0.3056	0.15996	1.03E-03	9.03E-03	1.95E-03	5.05E-04	1.25E-02	9.37E-04	9.76E-09	2.60E-05	1.38E-05	9.77E-04	1.19E-03	9.03E-03	1.95E-03	5.05E-04	1.27E-02
5203	497863.09	3864877.25	0.23537	0.30508	0.3499	0.16793	9.51E-04	9.10E-03	2.23E-03	5.30E-04	1.28E-02	8.65E-04	9.83E-09	2.98E-05	1.45E-05	9.10E-04	1.10E-03	9.10E-03	2.23E-03	5.30E-04	1.30E-02
5204	498363.09	3864877.25	0.23749	0.31149	0.442	0.16489	9.60E-04	9.29E-03	2.82E-03	5.21E-04	1.36E-02	8.73E-04	1.00E-08	3.76E-05	1.42E-05	9.25E-04	1.11E-03	9.29E-03	2.82E-03	5.21E-04	1.37E-02
5205	471363.09	3865377.25	0.17637	0.14169	0.3186	0.09822	7.13E-04	4.23E-03	2.03E-03	3.10E-04	7.28E-03	6.48E-04	4.57E-09	2.71E-05	8.46E-06	6.84E-04	8.25E-04	4.23E-03	2.03E-03	3.10E-04	7.39E-03
5206	471863.09	3865377.25	0.17509	0.14428	0.3525	0.10131	7.08E-04	4.30E-03	2.25E-03	3.20E-04	7.58E-03	6.44E-04	4.65E-09	3.00E-05	8.72E-06	6.82E-04	8.19E-04	4.30E-03	2.25E-03	3.20E-04	7.69E-03
5207	472363.09	3865377.25	0.18925	0.14625	0.3183	0.09936	7.65E-04	4.36E-03	2.03E-03	3.14E-04	7.47E-03	6.96E-04	4.71E-09	2.71E-05	8.56E-06	7.31E-04	8.85E-04	4.36E-03	2.03E-03	3.14E-04	7.59E-03
5208	472863.09	3865377.25	0.20286	0.15527	0.2982	0.10443	8.20E-04	4.63E-03	1.90E-03	3.30E-04	7.68E-03	7.46E-04	5.00E-09	2.54E-05	8.99E-06	7.80E-04	9.49E-04	4.63E-03	1.90E-03	3.30E-04	7.81E-03
5209	473363.09	3865377.25	0.2152	0.16414	0.3256	0.09986	8.70E-04	4.90E-03	2.08E-03	3.15E-04	8.16E-03	7.91E-04	5.29E-09	2.77E-05	8.60E-06	8.27E-04	1.01E-03	4.90E-03	2.08E-03	3.15E-04	8.30E-03
5210	473863.09	3865377.25	0.2091	0.16856	0.3334	0.10268	8.45E-04	5.03E-03	2.13E-03	3.24E-04	8.32E-03	7.69E-04	5.43E-09	2.84E-05	8.84E-06	8.06E-04	9.78E-04	5.03E-03	2.13E-03	3.24E-04	8.46E-03
5211	474363.09	3865377.25	0.20203	0.17587	0.3237	0.10475	8.17E-04	5.25E-03	2.06E-03	3.31E-04	8.46E-03	7.43E-04	5.67E-09	2.75E-05	9.02E-06	7.79E-04	9.45E-04	5.25E-03	2.06E-03	3.31E-04	8.59E-03
5212	474863.09	3865377.25	0.19608	0.17945	0.3791	0.09973	7.93E-04	5.35E-03	2.42E-03	3.15E-04	8.88E-03	7.21E-04	5.78E-09	3.22E-05	8.59E-06	7.62E-04	9.17E-04	5.35E-03	2.42E-03	3.15E-04	9.00E-03
5213	475363.09	3865377.25	0.19286	0.18496	0.4257	0.09896	7.80E-04	5.52E-03	2.72E-03	3.12E-04	9.33E-03	7.09E-04	5.96E-09	3.62E-05	8.52E-06	7.54E-04	9.02E-04	5.52E-03	2.72E-03	3.12E-04	9.45E-03
5214	475863.09	3865377.25	0.23206	0.18703	0.4118	0.10271	9.38E-04	5.58E-03	2.63E-03	3.24E-04	9.47E-03	8.53E-04	6.03E-09	3.50E-05	8.84E-06	8.97E-04	1.09E-03	5.58E-03	2.63E-03	3.24E-04	9.62E-03
5215	476363.09	3865377.25	0.23365	0.21018	0.4801	0.10628	9.44E-04	6.27E-03	3.06E-03	3.36E-04	1.06E-02	8.59E-04	6.77E-09	4.08E-05	9.15E-06	9.09E-04	1.09E-03	6.27E-03	3.06E-03	3.36E-04	1.08E-02
5216	476863.09	3865377.25	0.24906	0.19503	0.444	0.1236	1.01E-03	5.82E-03	2.83E-03	3.90E-04	1.00E-02	9.16E-04	6.29E-09	3.78E-05	1.06E-05	9.64E-04	1.16E-03	5.82E-03	2.83E-03	3.90E-04	1.02E-02
5217	477363.09	3865377.25	0.23905	0.21838	0.416	0.11192	9.66E-04	6.52E-03	2.65E-03	3.53E-04	1.05E-02	8.79E-04	7.04E-09	3.54E-05	9.64E-06	9.24E-04	1.12E-03	6.52E-03	2.65E-03	3.53E-04	1.06E-02
5218	477863.09	3865377.25	0.2166	0.2265	0.3831	0.11664	8.76E-04	6.76E-03	2.44E-03	3.68E-04	1.04E-02	7.96E-04	7.30E-09	3.26E-05	1.00E-05	8.39E-04	1.01E-03	6.76E-03	2.44E-03	3.68E-04	1.06E-02
5219	478363.09	3865377.25	0.21195	0.24604	0.4304	0.1215	8.57E-04	7.34E-03	2.75E-03	3.84E-04	1.13E-02	7.79E-04	7.93E-09	3.66E-05	1.05E-05	8.26E-04	9.91E-04	7.34E-03	2.75E-03	3.84E-04	1.15E-02
5220	478863.09	3865377.25	0.20959	0.23909	0.4447	0.1276	8.47E-04	7.13E-03	2.84E-03	4.03E-04	1.12E-02	7.71E-04	7.71E-09	3.78E-05	1.10E-05	8.19E-04	9.80E-04	7.13E-03	2.84E-03	4.03E-04	1.14E-02
5221	479363.09	3865377.25	0.20976	0.25672	0.3883	0.12286	8.48E-04	7.66E-03	2.48E-03	3.88E-04	1.14E-02	7.71E-04	8.27E-09	3.30E-05	1.06E-05	8.15E-04	9.81E-04	7.66E-03	2.48E-03	3.88E-04	1.15E-02
5222	479863.09	3865377.25	0.23996	0.26255	0.3699	0.1251	9.70E-04	7.83E-03	2.36E-03	3.95E-04	1.16E-02	8.82E-04	8.46E-09	3.15E-05	1.08E-05	9.24E-04	1.12E-03	7.83E-03	2.36E-03	3.95E-04	1.17E-02
5223	480363.09	3865377.25	0.2227	0.27804	0.3263	0.12031	9.00E-04	8.29E-03	2.08E-03	3.80E-04	1.17E-02	8.19E-04	8.96E-09	2.77E-05	1.04E-05	8.57E-04	1.04E-03	8.29E-03	2.08E-03	3.80E-04	1.18E-02
5224	480863.09	3865377.25	0.24086	0.2834	0.2806	0.11983	9.74E-04	8.45E-03	1.79E-03	3.78E-04	1.16E-02	8.86E-04	9.13E-09	2.39E-05	1.03E-05	9.20E-04	1.13E-03	8.45E-03	1.79E-03	3.78E-04	1.17E-02
5225	481363.09	3865377.25	0.29243	0.299	0.3124	0.11869	1.18E-03	8.92E-03	1.99E-03	3.75E-04	1.25E-02	1.08E-03	9.64E-09	2.66E-05	1.02E-05	1.11E-03	1.37E-03	8.92E-03	1.99E-03	3.75E-04	1.27E-02
5226	481863.09	3865377.25	0.2823	0.26664	0.21	0.11718	1.14E-03	7.95E-03	1.34E-03	3.70E-04	1.08E-02	1.04E-03	8.59E-09	1.79E-05	1.01E-05	1.07E-03	1.32E-03	7.95E-03	1.34E-03	3.70E-04	1.10E-02
5227	482363.09	3865377.25	0.24857	0.24869	0.1407	0.10558	1.00E-03	7.42E-03	8.97E-04	3.33E-04	9.65E-03	9.14E-04	8.02E-09	1.20E-05	9.09E-06	9.35E-04	1.16E-03	7.42E-03	8.97E-04	3.33E-04	9.81E-03
5228	482863.09	3865377.25	0.22345	0.24777	0.3015	0.10758	9.03E-04	7.39E-03	1.92E-03	3.40E-04	1.06E-02	8.22E-04	7.99E-09	2.56E-05	9.26E-06	8.56E-04	1.04E-03	7.39E-03	1.92E-03	3.40E-04	1.07E-02
5229	483363.09	3865377.25	0.24926	0.26113	0.4648	0.11907	1.01E-03	7.79E-03	2.96E-03	3.76E-04	1.21E-02	9.16E-04	8.42E-09	3.95E-05	1.03E-05	9.66E-04	1.17E-03	7.79E-03	2.96E-03	3.76E-04	1.23E-02
5230	483863.09	3865377.25	0.26156	0.25865	0.3473	0.10672	1.06E-03	7.72E-03	2.22E-03	3.37E-04	1.13E-02	9.62E-04	8.34E-09	2.95E-05	9.19E-06	1.00E-03	1.22E-03	7.72E-03	2.22E-03	3.37E-04	1.15E-02
5231	484363.09	3865377.25	0.24441	0.24486	0.3994	0.09873	9.88E-04	7.30E-03	2.55E-03	3.12E-04	1.12E-02	8.99E-04	7.89E-09	3.40E-05	8.50E-06	9.41E-04	1.14E-03	7.31E-03	2.55E-03	3.12E-04	1.13E-02
5232	484863.09	3865377.25	0.24324	0.26566	0.1979	0.08749	9.83E-04	7.93E-03	1.26E-03	2.76E-04	1.04E-02	8.94E-04	8.56E-09	1.68E-05	7.53E-06	9.19E-04	1.14E-03	7.93E-03	1.26E-03	2.76E-04	1.06E-02
5233	485363.09	3865377.25	0.21456	0.27857	0.1735	0.1054	8.67E-04	8.31E-03	1.11E-03	3.33E-04	1.06E-02	7.89E-04	8.98E-09	1.48E-05	9.08E-06	8.13E-04	1.00E-03	8.31E-03	1.11E-03	3.33E-04	1.08E-02
5234	485863.09	3865377.25	0.22821	0.28116	0.1484	0.07379	9.22E-04	8.39E-03	9.47E-04	2.33E-04	1.05E-02	8.39E-04	9.06E-09	1.26E-05	6.35E-06	8.58E-04	1.07E-03	8.39E-03	9.47E-04	2.33E-04	1.06E-02
5235	486363.09	3865377.25	0.22933	0.24672	0.2041	0.08834	9.27E-04	7.36E-03	1.30E-03	2.79E-04	9.87E-03	8.43E-04	7.95E-09	1.74E-05	7.61E-06	8.68E-04	1.07E-03	7.36E-03	1.30E-03	2.79E-04	1.00E-02
5236	486863.09	3865377.25	0.24488	0.26585	0.198	0.06972	9.90E-04	7.93E-03	1.26E-03	2.20E-04	1.04E-02	9.00E-04	8.57E-09	1.68E-05	6.00E-06	9.23E-04	1.15E-03	7.93E-03	1.26E-03	2.20E-04	1.06E-02
5237	487363.09	3865377.25	0.23633	0.27788	0.2241	0.08192	9.55E-04	8.29E-03	1.43E-03	2.59E-04	1.09E-02	8.69E-04	8.96E-09	1.91E-05	7.05E-06	8.95E-04	1.11E-03	8.29E-03	1.43E-03	2.59E-04	1.11E-02
5238	487863.09	3865377.25	0.26968	0.26645	0.4378	0.08871	1.09E-03	7.95E-03	2.79E-03	2.80E-04	1.21E-02	9.91E-04	8.59E-09	3.72E-05	7.64E-06	1.04E-03	1.26E-03	7.95E-03	2.79E-03	2.80E-04	1.23E-02
5239	488363.09	3865377.25	0.27525	0.26836	0.4166	0.12335	1.11E-03	8.01E-03	2.66E-03	3.89E-04	1.22E-02	1.01E-03	8.65E-09	3.54E-05	1.06E-05	1.06E-03	1.29E-03	8.01E-03	2.66E-03	3.89E-04	1.23E-02
5240	488863.09	3865377.25	0.26916	0.29184	0.2559	0.08306	1.09E-03	8.71E-03	1.63E-03	2.62E-04	1.17E-02	9.90E-04	9.41E-09	2.18E-05	7.15E-06	1.02E-03	1.26E-03	8.71E-03	1.63E-03	2.62E-04	1.19E-02
5241	489363.09	3865377.25	0.27323	0.30702	0.1566	0.07272	1.10E-03	9.16E-03	9.99E-04	2.30E-04	1.15E-02	1.00E-03	9.90E-09	1.33E-05	6.26E-06	1.02E-03	1.28E-03	9.16E-03	9.99E-04	2.30E-04	1.17E-02
5242	489863.09	3865377.25	0.29828	0.34632	0.1218	0.10266	1.21E-03	1.03E-02	7.77E-04	3.24E-04	1.26E-02	1.10E-03	1.12E-08	1.04E-05	8.84E-06	1.12E-03	1.39E-03	1.03E-02	7.77E-04	3.24E-04	1.28E-02

5243	490363.09	3865377.25	0.29439	0.31858	0.1477	0.1149	1.19E-03	9.50E-03	9.42E-04	3.63E-04	1.20E-02	1.08E-03	1.03E-08	1.26E-05	9.89E-06	1.10E-03	1.38E-03	9.50E-03	9.42E-04	3.63E-04	1.22E-02
5244	490863.09	3865377.25	0.31159	0.3144	0.0929	0.13462	1.26E-03	9.38E-03	5.93E-04	4.25E-04	1.17E-02	1.15E-03	1.01E-08	7.90E-06	1.16E-05	1.17E-03	1.46E-03	9.38E-03	5.93E-04	4.25E-04	1.19E-02
5245	491363.09	3865377.25	0.37398	0.32917	0.0906	0.16344	1.51E-03	9.82E-03	5.78E-04	5.16E-04	1.24E-02	1.37E-03	1.06E-08	7.70E-06	1.41E-05	1.40E-03	1.75E-03	9.82E-03	5.78E-04	5.16E-04	1.27E-02
5246	491863.09	3865377.25	0.34597	0.332	0.1818	0.19742	1.40E-03	9.90E-03	1.16E-03	6.23E-04	1.31E-02	1.27E-03	1.07E-08	1.55E-05	1.70E-05	1.30E-03	1.62E-03	9.90E-03	1.16E-03	6.23E-04	1.33E-02
5247	492363.09	3865377.25	0.38477	0.19056	0.3266	0.19802	1.56E-03	5.69E-03	2.08E-03	6.25E-04	9.95E-03	1.41E-03	6.14E-09	2.78E-05	1.71E-05	1.46E-03	1.80E-03	5.69E-03	2.08E-03	6.25E-04	1.02E-02
5248	492863.09	3865377.25	0.3544	0.13342	0.4584	0.18426	1.43E-03	3.98E-03	2.92E-03	5.82E-04	8.92E-03	1.30E-03	4.30E-09	3.90E-05	1.59E-05	1.36E-03	1.66E-03	3.98E-03	2.92E-03	5.82E-04	9.14E-03
5249	493363.09	3865377.25	0.26137	0.10013	0.4641	0.11993	1.06E-03	2.99E-03	2.96E-03	3.79E-04	7.38E-03	9.61E-04	3.23E-09	3.95E-05	1.03E-05	1.01E-03	1.22E-03	2.99E-03	2.96E-03	3.79E-04	7.55E-03
5250	493863.09	3865377.25	0.38413	0.21599	0.565	0.20582	1.55E-03	6.44E-03	3.60E-03	6.50E-04	1.23E-02	1.41E-03	6.96E-09	4.81E-05	1.77E-05	1.48E-03	1.80E-03	6.44E-03	3.60E-03	6.50E-04	1.25E-02
5251	494363.09	3865377.25	0.38557	0.28449	0.4471	0.2161	1.56E-03	8.49E-03	2.85E-03	6.82E-04	1.36E-02	1.42E-03	9.17E-09	3.80E-05	1.86E-05	1.47E-03	1.80E-03	8.49E-03	2.85E-03	6.82E-04	1.38E-02
5252	494863.09	3865377.25	0.33603	0.35342	0.337	0.20491	1.36E-03	1.05E-02	2.15E-03	6.47E-04	1.47E-02	1.24E-03	1.14E-08	2.87E-05	1.76E-05	1.28E-03	1.57E-03	1.05E-02	2.15E-03	6.47E-04	1.49E-02
5253	495363.09	3865377.25	0.31369	0.32865	0.371	0.16185	1.27E-03	9.80E-03	2.37E-03	5.11E-04	1.40E-02	1.15E-03	1.06E-08	3.16E-05	1.39E-05	1.20E-03	1.47E-03	9.80E-03	2.37E-03	5.11E-04	1.41E-02
5254	495863.09	3865377.25	0.30534	0.32601	0.483	0.14807	1.23E-03	9.73E-03	3.08E-03	4.68E-04	1.45E-02	1.12E-03	1.05E-08	4.11E-05	1.28E-05	1.18E-03	1.43E-03	9.73E-03	3.08E-03	4.68E-04	1.47E-02
5255	496363.09	3865377.25	0.26163	0.30846	0.566	0.14418	1.06E-03	9.20E-03	3.61E-03	4.55E-04	1.43E-02	9.62E-04	9.94E-09	4.81E-05	1.24E-05	1.02E-03	1.22E-03	9.20E-03	3.61E-03	4.55E-04	1.45E-02
5256	496863.09	3865377.25	0.26466	0.28522	0.5076	0.17335	1.07E-03	8.51E-03	3.24E-03	5.47E-04	1.34E-02	9.73E-04	9.19E-09	4.32E-05	1.49E-05	1.03E-03	1.24E-03	8.51E-03	3.24E-03	5.47E-04	1.35E-02
5257	497363.09	3865377.25	0.24038	0.28205	0.4104	0.16831	9.72E-04	8.41E-03	2.62E-03	5.31E-04	1.25E-02	8.84E-04	9.09E-09	3.49E-05	1.45E-05	9.33E-04	1.12E-03	8.41E-03	2.62E-03	5.31E-04	1.27E-02
5258	497863.09	3865377.25	0.2216	0.28475	0.2856	0.1532	8.96E-04	8.50E-03	1.82E-03	4.84E-04	1.17E-02	8.15E-04	9.18E-09	2.43E-05	1.32E-05	8.52E-04	1.04E-03	8.50E-03	1.82E-03	4.84E-04	1.18E-02
5259	498363.09	3865377.25	0.22196	0.28129	0.2993	0.15151	8.97E-04	8.39E-03	1.91E-03	4.78E-04	1.17E-02	8.16E-04	9.07E-09	2.55E-05	1.30E-05	8.55E-04	1.04E-03	8.39E-03	1.91E-03	4.78E-04	1.18E-02
5260	471363.09	3865877.25	0.17967	0.14151	0.3004	0.10168	7.26E-04	4.22E-03	1.92E-03	3.21E-04	7.18E-03	6.61E-04	4.56E-09	2.55E-05	8.76E-06	6.95E-04	8.40E-04	4.22E-03	1.92E-03	3.21E-04	7.30E-03
5261	471863.09	3865877.25	0.18663	0.14393	0.2816	0.10065	7.54E-04	4.29E-03	1.80E-03	3.18E-04	7.16E-03	6.86E-04	4.64E-09	2.39E-05	8.67E-06	7.19E-04	8.73E-04	4.29E-03	1.80E-03	3.18E-04	7.28E-03
5262	472363.09	3865877.25	0.1982	0.14981	0.3071	0.10308	8.01E-04	4.47E-03	1.96E-03	3.25E-04	7.55E-03	7.29E-04	4.83E-09	2.61E-05	8.88E-06	7.64E-04	9.27E-04	4.47E-03	1.96E-03	3.25E-04	7.68E-03
5263	472863.09	3865877.25	0.2005	0.15202	0.3088	0.1005	8.10E-04	4.54E-03	1.97E-03	3.17E-04	7.63E-03	7.37E-04	4.90E-09	2.63E-05	8.65E-06	7.72E-04	9.38E-04	4.54E-03	1.97E-03	3.17E-04	7.76E-03
5264	473363.09	3865877.25	0.19372	0.1575	0.3019	0.09953	7.83E-04	4.70E-03	1.93E-03	3.14E-04	7.72E-03	7.12E-04	5.08E-09	2.57E-05	8.57E-06	7.46E-04	9.06E-04	4.70E-03	1.93E-03	3.14E-04	7.84E-03
5265	473863.09	3865877.25	0.18467	0.15679	0.3397	0.09466	7.46E-04	4.68E-03	2.17E-03	2.99E-04	7.89E-03	6.79E-04	5.05E-09	2.89E-05	8.15E-06	7.16E-04	8.64E-04	4.68E-03	2.17E-03	2.99E-04	8.01E-03
5266	474363.09	3865877.25	0.18022	0.17029	0.3897	0.09316	7.28E-04	5.08E-03	2.49E-03	2.94E-04	8.59E-03	6.63E-04	5.49E-09	3.31E-05	8.02E-06	7.04E-04	8.43E-04	5.08E-03	2.49E-03	2.94E-04	8.70E-03
5267	474863.09	3865877.25	0.18613	0.17355	0.3682	0.09664	7.52E-04	5.18E-03	2.35E-03	3.05E-04	8.58E-03	6.84E-04	5.59E-09	3.13E-05	8.32E-06	7.24E-04	8.70E-04	5.18E-03	2.35E-03	3.05E-04	8.70E-03
5268	475363.09	3865877.25	0.21209	0.17494	0.4267	0.09197	8.57E-04	5.22E-03	2.72E-03	2.90E-04	9.09E-03	7.80E-04	5.64E-09	3.63E-05	7.92E-06	8.24E-04	9.92E-04	5.22E-03	2.72E-03	2.90E-04	9.22E-03
5269	475863.09	3865877.25	0.21347	0.19484	0.4439	0.10063	8.63E-04	5.81E-03	2.83E-03	3.18E-04	9.82E-03	7.85E-04	6.28E-09	3.78E-05	8.67E-06	8.31E-04	9.98E-04	5.81E-03	2.83E-03	3.18E-04	9.96E-03
5270	476363.09	3865877.25	0.22708	0.19938	0.3913	0.10573	9.18E-04	5.95E-03	2.50E-03	3.34E-04	9.70E-03	8.35E-04	6.43E-09	3.33E-05	9.10E-06	8.77E-04	1.06E-03	5.95E-03	2.50E-03	3.34E-04	9.84E-03
5271	476863.09	3865877.25	0.23445	0.18228	0.3575	0.10684	9.48E-04	5.44E-03	2.28E-03	3.37E-04	9.00E-03	8.62E-04	5.87E-09	3.04E-05	9.20E-06	9.02E-04	1.10E-03	5.44E-03	2.28E-03	3.37E-04	9.15E-03
5272	477363.09	3865877.25	0.20684	0.21169	0.3947	0.10964	8.36E-04	6.32E-03	2.52E-03	3.46E-04	1.00E-02	7.60E-04	6.82E-09	3.36E-05	9.44E-06	8.03E-04	9.67E-04	6.32E-03	2.52E-03	3.46E-04	1.01E-02
5273	477863.09	3865877.25	0.20285	0.2248	0.4214	0.11813	8.20E-04	6.71E-03	2.69E-03	3.73E-04	1.06E-02	7.46E-04	7.25E-09	3.58E-05	1.02E-05	7.92E-04	9.49E-04	6.71E-03	2.69E-03	3.73E-04	1.07E-02
5274	478363.09	3865877.25	0.19931	0.21333	0.4435	0.12958	8.06E-04	6.36E-03	2.83E-03	4.09E-04	1.04E-02	7.33E-04	6.88E-09	3.77E-05	1.12E-05	7.82E-04	9.32E-04	6.36E-03	2.83E-03	4.09E-04	1.05E-02
5275	478863.09	3865877.25	0.20223	0.22892	0.3504	0.13016	8.17E-04	6.83E-03	2.24E-03	4.11E-04	1.03E-02	7.43E-04	7.38E-09	2.98E-05	1.12E-05	7.85E-04	9.46E-04	6.83E-03	2.24E-03	4.11E-04	1.04E-02
5276	479363.09	3865877.25	0.20821	0.22847	0.3434	0.13166	8.42E-04	6.82E-03	2.19E-03	4.16E-04	1.03E-02	7.65E-04	7.36E-09	2.92E-05	1.13E-05	8.06E-04	9.74E-04	6.82E-03	2.19E-03	4.16E-04	1.04E-02
5277	479863.09	3865877.25	0.2042	0.24451	0.3022	0.12187	8.25E-04	7.29E-03	1.93E-03	3.85E-04	1.04E-02	7.51E-04	7.88E-09	2.57E-05	1.05E-05	7.87E-04	9.55E-04	7.29E-03	1.93E-03	3.85E-04	1.06E-02
5278	480363.09	3865877.25	0.20543	0.2527	0.26	0.11841	8.30E-04	7.54E-03	1.66E-03	3.74E-04	1.04E-02	7.55E-04	8.14E-09	2.21E-05	1.02E-05	7.88E-04	9.61E-04	7.54E-03	1.66E-03	3.74E-04	1.05E-02
5279	480863.09	3865877.25	0.25627	0.26528	0.2861	0.10583	1.04E-03	7.91E-03	1.82E-03	3.34E-04	1.11E-02	9.42E-04	8.55E-09	2.43E-05	9.11E-06	9.76E-04	1.20E-03	7.91E-03	1.82E-03	3.34E-04	1.13E-02
5280	481363.09	3865877.25	0.28607	0.241	0.2158	0.09819	1.16E-03	7.19E-03	1.38E-03	3.10E-04	1.00E-02	1.05E-03	7.77E-09	1.84E-05	8.46E-06	1.08E-03	1.34E-03	7.19E-03	1.38E-03	3.10E-04	1.02E-02
5281	481863.09	3865877.25	0.24569	0.23248	0.1224	0.10357	9.93E-04	6.94E-03	7.81E-04	3.27E-04	9.04E-03	9.03E-04	7.49E-09	1.04E-05	8.92E-06	9.23E-04	1.15E-03	6.94E-03	7.81E-04	3.27E-04	9.19E-03
5282	482363.09	3865877.25	0.22398	0.24121	0.1938	0.08938	9.05E-04	7.20E-03	1.24E-03	2.82E-04	9.62E-03	8.23E-04	7.77E-09	1.65E-05	7.70E-06	8.48E-04	1.05E-03	7.20E-03	1.24E-03	2.82E-04	9.76E-03
5283	482863.09	3865877.25	0.20832	0.23679	0.2949	0.10681	8.42E-04	7.06E-03	1.88E-03	3.37E-04	1.01E-02	7.66E-04	7.63E-09	2.51E-05	9.20E-06	8.00E-04	9.74E-04	7.06E-03	1.88E-03	3.37E-04	1.03E-02
5284	483363.09	3865877.25	0.24839	0.2388	0.4755	0.11482	1.00E-03	7.12E-03	3.03E-03	3.63E-04	1.15E-02	9.13E-04	7.70E-09	4.04E-05	9.89E-06	9.64E-04	1.16E-03	7.12E-03	3.03E-03	3.63E-04	1.17E-02
5285	483863.09	3865877.25	0.22003	0.2277	0.5055	0.10224	8.89E-04	6.79E-03	3.22E-03	3.23E-04	1.12E-02	8.09E-04	7.34E-09	4.30E-05	8.80E-06	8.61E-04	1.03E-03	6.79E-03	3.22E-03	3.23E-04	1.14E-02
5286	484363.09	3865877.25	0.23739	0.23511	0.2603	0.09689	9.60E-04	7.01E-03	1.66E-03	3.06E-04	9.94E-03	8.73E-04	7.58E-09	2.21E-05	8.34E-06	9.03E-04	1.11E-03	7.01E-03	1.66E-03	3.06E-04	1.01E-02
5287	484863.09	3865877.25	0.22193	0.2432	0.1488	0.11281	8.97E-04	7.26E-03	9.49E-04	3.56E-04	9.46E-03	8.16E-04	7.84E-09	1.27E-05	9.71E-06	8.38E-04	1.04E-03	7.26E-03	9.49E-04	3.56E-04	9.60E-03
5288	485363.09	3865877.25	0.20522	0.26163	0.1721	0.09482	8.30E-04	7.81E-03	1.10E-03	2.99E-04	1.00E-02	7.54E-04	8.43E-09	1.46E-05	8.16E-06	7.77E-04	9.60E-04	7.81E-03	1.10E-03	2.99E-04	1.02E-02
5289	485863.09	3865877.25	0.21755	0.22478	0.1687	0.06978	8.79E-04	6.71E-03	1.08E-03	2.20E-04	8.88E-03	8.00E-04	7.24E-09	1.43E-05	6.01E-06	8.20E-04	1.02E-03	6.71E-03	1.08E-03	2.20E-04	9.02E-03
5290	486363.09	3865877.25	0.21477	0.21531	0.1424	0.0853	8.68E-04	6.42E-03	9.08E-04	2.69E-04	8.47E-03	7.90E-04	6.94E-09	1.21E-05	7.35E-06	8.09E-04	1.00E-03	6.42E-03	9.08E-04	2.69E-04	8.61E-03
5291	486863.09	3865877.25	0.22129	0.25285	0.1968	0.06882	8.94E-04	7.54E-03	1.26E-03	2.17E-04	9.91E-03	8.14E-04	8.15E-09	1.67E-05	5.93E-06	8.36E-04	1.03E-03	7.54E-03	1.26E-03	2.17E-04	1.01E-02
5292	487363.09	3865877.25	0.22717	0.24089	0.2175	0.08267	9.18E-04	7.19E-03	1.39E-03	2.61E-04	9.75E-03	8.35E-04	7.76E-09	1.85E-05	7.12E-06	8.61E-04	1.06E-03	7.19E-03	1.39E-03	2.61E-04	9.90E-03
5293	487863.09	3865877.25	0.25266	0.23574	0.4274	0.09354	1.02E-03	7.03E-03	2.73E-03	2.95E-04	1.11E-02	9.29E-04	7.60E-09	3.64E-05	8.05E-06	9.73E-04	1.18E-03	7.03E-03	2.73E-03	2.95E-04	1.12E-02
5294	488363.09	3865877.25	0.26049	0.24691	0.397	0.11651	1.05E-03	7.37E-03	2.53E-03	3.68E-04	1.13E-02	9.58E-04	7.96E-09	3.38E-05	1.00E-05	1.00E-03	1.22E-03	7.37E-03	2.53E-03	3.68E-04	1.15E-02
5295	488863.09	3865877.25	0.26382	0.26438	0.2189	0.0915	1.07E-03	7.89E-03	1.40E-03	2.89E-04	1.06E-02	9.70E-04	8.52E-09	1.86E-05	7.88E-06	9.96E-04	1.23E-03	7.89E-03	1.40E-03	2.89E-04	1.08E-02
5296	489363.09	3865877.25	0.26474	0.28893	0.1731	0.06489	1.07E-03	8.62E-03	1.10E-03	2.05E-04	1.10E-02	9.73E-04	9.31E-09	1.47E-05	5.59E-06	9.94E-04	1.24E-03	8.62E-03	1.10E-03	2.05E-04	1.12E-02
5297	489863.09	3865877.25	0.2669	0.29538	0.1159	0.09092	1.08E-03	8.81E-03	7.39E-04	2.87E-04	1.09E-02	9.81E-04	9.52E-09	9.85E-06	7.83E-06	9.99E-04	1.25E-03	8.81E-03	7.39E-04	2.87E-04	1.11E-02
5298	490363.09	3865877.25	0.28225	0.29466	0.1138	0.09163	1.14E-03	8.79E-03	7.26E-04	2.89E-04	1.09E-02	1.04E-03	9.50E-09	9.68E-06	7.89E-06	1.06E-03	1.32E-03	8.79E-03	7.26E-04	2.89E-04	1.11E-02
5299	490863.09	3865877.25	0.2779	0.31102	0.1072	0.11949	1.12E-03	9.28E-03	6.84E-04	3.77E-04	1.15E-02	1.02E-03	1.00E-08	9.12E-06	1.03E-05	1.04E-03	1.30E-03	9.28E-03	6.84E-04	3.77E-04	1.16E-02
5300	491363.09	3865877.25	0.34838	0.27249	0.0716	0.14006	1.41E-03	8.13E-03	4.57E-04	4.42E-04	1.04E-02	1.28E-03	8.78E-09	6.09E-06	1.21E-05	1.30E-03	1.63E-03	8.13E-03	4.57E-04	4.42E-04	1.07E-02
5301	491863.09	3865877.25	0.40312	0.30494	0.0509	0.17516	1.63E-03	9.10E-03	3.25E-04	5.53E-04	1.16E-02	1.48E-03	9.83E-09	4.33E-06	1.51E-05	1.50E-03	1.89E-03	9.10E-03	3.25E-04	5.53E-04	1.19E-02
5302	492363.09	3865877.25	0.35116	0.26834	0.2311	0.18798	1.42E-03	8.01E-03	1.47E-03	5.94E-04	1.15E-02	1.29E-03	8.65E-09	1.97E-05	1.62E-05	1.33E-03	1.64E-03	8.01E-03	1.47E-03	5.94E-04	1.17E-02
5303	492863.09	3865877.25	0.34872	0.11738	0.3487	0.17595	1.41E-03	3.50E-03	2.22E-03	5.56E-04	7.69E-03	1.28E-03	3.78E-09	2.97E-05	1.52E-05	1.33E-03	1.63E-03	3.50E-03	2.22E-03	5.56E-04	7.91E-03

5304	493363.09	3865877.25	0.35162	0.15166	0.5658	0.18607	1.42E-03	4.52E-03	3.61E-03	5.87E-04	1.01E-02	1.29E-03	4.89E-09	4.81E-05	1.60E-05	1.36E-03	1.64E-03	4.52E-03	3.61E-03	5.87E-04	1.04E-02
5305	493863.09	3865877.25	0.41274	0.19201	0.4491	0.18724	1.67E-03	5.73E-03	2.86E-03	5.91E-04	1.09E-02	1.52E-03	6.19E-09	3.82E-05	1.61E-05	1.57E-03	1.93E-03	5.73E-03	2.86E-03	5.91E-04	1.11E-02
5306	494363.09	3865877.25	0.36915	0.31108	0.4916	0.16646	1.49E-03	9.28E-03	3.14E-03	5.26E-04	1.44E-02	1.36E-03	1.00E-08	4.18E-05	1.43E-05	1.41E-03	1.73E-03	9.28E-03	3.14E-03	5.26E-04	1.47E-02
5307	494863.09	3865877.25	0.30544	0.33191	0.4081	0.20109	1.23E-03	9.90E-03	2.60E-03	6.35E-04	1.44E-02	1.12E-03	1.07E-08	3.47E-05	1.73E-05	1.17E-03	1.43E-03	9.90E-03	2.60E-03	6.35E-04	1.46E-02
5308	495363.09	3865877.25	0.27404	0.36096	0.3391	0.20439	1.11E-03	1.08E-02	2.16E-03	6.45E-04	1.47E-02	1.01E-03	1.16E-08	2.88E-05	1.76E-05	1.05E-03	1.28E-03	1.08E-02	2.16E-03	6.45E-04	1.49E-02
5309	495863.09	3865877.25	0.29226	0.30148	0.3332	0.15662	1.18E-03	8.99E-03	2.13E-03	4.95E-04	1.28E-02	1.07E-03	9.72E-09	2.83E-05	1.35E-05	1.12E-03	1.37E-03	8.99E-03	2.13E-03	4.95E-04	1.30E-02
5310	496363.09	3865877.25	0.32006	0.28768	0.4322	0.13931	1.29E-03	8.58E-03	2.76E-03	4.40E-04	1.31E-02	1.18E-03	9.27E-09	3.68E-05	1.20E-05	1.23E-03	1.50E-03	8.58E-03	2.76E-03	4.40E-04	1.33E-02
5311	496863.09	3865877.25	0.29769	0.26068	0.5248	0.12112	1.20E-03	7.78E-03	3.35E-03	3.82E-04	1.27E-02	1.09E-03	8.40E-09	4.46E-05	1.04E-05	1.15E-03	1.39E-03	7.78E-03	3.35E-03	3.82E-04	1.29E-02
5312	497363.09	3865877.25	0.23879	0.27246	0.4699	0.14209	9.65E-04	8.13E-03	3.00E-03	4.49E-04	1.25E-02	8.78E-04	8.78E-09	4.00E-05	1.22E-05	9.30E-04	1.12E-03	8.13E-03	3.00E-03	4.49E-04	1.27E-02
5313	497863.09	3865877.25	0.22464	0.25485	0.3836	0.17328	9.08E-04	7.60E-03	2.45E-03	5.47E-04	1.15E-02	8.26E-04	8.21E-09	3.26E-05	1.49E-05	8.73E-04	1.05E-03	7.60E-03	2.45E-03	5.47E-04	1.16E-02
5314	498363.09	3865877.25	0.24071	0.2493	0.2985	0.14276	9.73E-04	7.44E-03	1.90E-03	4.51E-04	1.08E-02	8.85E-04	8.04E-09	2.54E-05	1.23E-05	9.23E-04	1.13E-03	7.44E-03	1.90E-03	4.51E-04	1.09E-02
5315	471363.09	3866377.25	0.18367	0.13894	0.2914	0.09931	7.42E-04	4.15E-03	1.86E-03	3.14E-04	7.06E-03	6.75E-04	4.48E-09	2.48E-05	8.55E-06	7.09E-04	8.59E-04	4.15E-03	1.86E-03	3.14E-04	7.18E-03
5316	471863.09	3866377.25	0.1911	0.13727	0.2888	0.09987	7.72E-04	4.10E-03	1.84E-03	3.15E-04	7.02E-03	7.03E-04	4.42E-09	2.46E-05	8.60E-06	7.36E-04	8.94E-04	4.10E-03	1.84E-03	3.15E-04	7.15E-03
5317	472363.09	3866377.25	0.18873	0.14468	0.2917	0.0975	7.63E-04	4.32E-03	1.86E-03	3.08E-04	7.25E-03	6.94E-04	4.66E-09	2.48E-05	8.40E-06	7.27E-04	8.83E-04	4.32E-03	1.86E-03	3.08E-04	7.37E-03
5318	472863.09	3866377.25	0.17873	0.1481	0.3078	0.09436	7.22E-04	4.42E-03	1.96E-03	2.98E-04	7.40E-03	6.57E-04	4.77E-09	2.62E-05	8.13E-06	6.91E-04	8.36E-04	4.42E-03	1.96E-03	2.98E-04	7.52E-03
5319	473363.09	3866377.25	0.17276	0.15018	0.3505	0.09062	6.98E-04	4.48E-03	2.24E-03	2.86E-04	7.70E-03	6.35E-04	4.84E-09	2.98E-05	7.80E-06	6.73E-04	8.08E-04	4.48E-03	2.24E-03	2.86E-04	7.81E-03
5320	473863.09	3866377.25	0.16928	0.15757	0.3365	0.09047	6.84E-04	4.70E-03	2.15E-03	2.86E-04	7.82E-03	6.22E-04	5.08E-09	2.86E-05	7.79E-06	6.59E-04	7.92E-04	4.70E-03	2.15E-03	2.86E-04	7.92E-03
5321	474363.09	3866377.25	0.17898	0.16587	0.3846	0.0843	7.23E-04	4.95E-03	2.45E-03	2.66E-04	8.39E-03	6.58E-04	5.35E-09	3.27E-05	7.26E-06	6.98E-04	8.37E-04	4.95E-03	2.45E-03	2.66E-04	8.50E-03
5322	474863.09	3866377.25	0.19232	0.16809	0.4292	0.0902	7.77E-04	5.01E-03	2.74E-03	2.85E-04	8.81E-03	7.07E-04	5.42E-09	3.65E-05	7.77E-06	7.51E-04	8.99E-04	5.01E-03	2.74E-03	2.85E-04	8.94E-03
5323	475363.09	3866377.25	0.19278	0.17953	0.3849	0.09546	7.79E-04	5.36E-03	2.46E-03	3.01E-04	8.89E-03	7.09E-04	5.79E-09	3.27E-05	8.22E-06	7.50E-04	9.02E-04	5.36E-03	2.46E-03	3.01E-04	9.01E-03
5324	475863.09	3866377.25	0.20153	0.19218	0.3645	0.09929	8.15E-04	5.73E-03	2.32E-03	3.13E-04	9.19E-03	7.41E-04	6.19E-09	3.10E-05	8.55E-06	7.80E-04	9.42E-04	5.73E-03	2.32E-03	3.13E-04	9.31E-03
5325	476363.09	3866377.25	0.2139	0.19179	0.3827	0.10712	8.65E-04	5.72E-03	2.44E-03	3.38E-04	9.37E-03	7.86E-04	6.18E-09	3.25E-05	9.22E-06	8.28E-04	1.00E-03	5.72E-03	2.44E-03	3.38E-04	9.50E-03
5326	476863.09	3866377.25	0.20008	0.17696	0.3804	0.11109	8.09E-04	5.28E-03	2.43E-03	3.51E-04	8.87E-03	7.36E-04	5.70E-09	3.24E-05	9.57E-06	7.78E-04	9.36E-04	5.28E-03	2.43E-03	3.51E-04	8.99E-03
5327	477363.09	3866377.25	0.19751	0.19297	0.4211	0.10903	7.98E-04	5.76E-03	2.69E-03	3.44E-04	9.59E-03	7.26E-04	6.22E-09	3.58E-05	9.39E-06	7.71E-04	9.24E-04	5.76E-03	2.69E-03	3.44E-04	9.71E-03
5328	477863.09	3866377.25	0.19055	0.19801	0.4306	0.12911	7.70E-04	5.91E-03	2.75E-03	4.08E-04	9.83E-03	7.01E-04	6.38E-09	3.66E-05	1.11E-05	7.48E-04	8.91E-04	5.91E-03	2.75E-03	4.08E-04	9.95E-03
5329	478363.09	3866377.25	0.1951	0.19711	0.3317	0.13261	7.89E-04	5.88E-03	2.12E-03	4.19E-04	9.20E-03	7.17E-04	6.35E-09	2.82E-05	1.14E-05	7.57E-04	9.12E-04	5.88E-03	2.12E-03	4.19E-04	9.33E-03
5330	478863.09	3866377.25	0.19499	0.20262	0.3211	0.1186	7.88E-04	6.04E-03	2.05E-03	3.74E-04	9.26E-03	7.17E-04	6.53E-09	2.73E-05	1.02E-05	7.54E-04	9.12E-04	6.04E-03	2.05E-03	3.74E-04	9.38E-03
5331	479363.09	3866377.25	0.19708	0.21253	0.283	0.12659	7.97E-04	6.34E-03	1.80E-03	4.00E-04	9.34E-03	7.25E-04	6.85E-09	2.41E-05	1.09E-05	7.60E-04	9.22E-04	6.34E-03	1.80E-03	4.00E-04	9.47E-03
5332	479863.09	3866377.25	0.20029	0.223	0.2446	0.11844	8.10E-04	6.65E-03	1.56E-03	3.74E-04	9.40E-03	7.36E-04	7.19E-09	2.08E-05	1.02E-05	7.67E-04	9.37E-04	6.65E-03	1.56E-03	3.74E-04	9.52E-03
5333	480363.09	3866377.25	0.20875	0.238	0.2799	0.09974	8.44E-04	7.10E-03	1.79E-03	3.15E-04	1.00E-02	7.67E-04	7.67E-09	2.38E-05	8.59E-06	8.00E-04	9.76E-04	7.10E-03	1.79E-03	3.15E-04	1.02E-02
5334	480863.09	3866377.25	0.25885	0.22598	0.2216	0.0923	1.05E-03	6.74E-03	1.41E-03	2.91E-04	9.49E-03	9.52E-04	7.28E-09	1.88E-05	7.95E-06	9.78E-04	1.21E-03	6.74E-03	1.41E-03	2.91E-04	9.66E-03
5335	481363.09	3866377.25	0.25182	0.21761	0.1172	0.09526	1.02E-03	6.49E-03	7.47E-04	3.01E-04	8.56E-03	9.26E-04	7.01E-09	9.97E-06	8.20E-06	9.44E-04	1.18E-03	6.49E-03	7.47E-04	3.01E-04	8.72E-03
5336	481863.09	3866377.25	0.22892	0.22016	0.147	0.08246	9.25E-04	6.57E-03	9.37E-04	2.60E-04	8.69E-03	8.42E-04	7.10E-09	1.25E-05	7.10E-06	8.61E-04	1.07E-03	6.57E-03	9.37E-04	2.60E-04	8.84E-03
5337	482363.09	3866377.25	0.20659	0.21889	0.268	0.08592	8.35E-04	6.53E-03	1.71E-03	2.71E-04	9.35E-03	7.60E-04	7.05E-09	2.28E-05	7.40E-06	7.90E-04	9.66E-04	6.53E-03	1.71E-03	2.71E-04	9.48E-03
5338	482863.09	3866377.25	0.20176	0.21729	0.5772	0.10558	8.16E-04	6.48E-03	3.68E-03	3.33E-04	1.13E-02	7.42E-04	7.00E-09	4.91E-05	9.09E-06	8.00E-04	9.44E-04	6.48E-03	3.68E-03	3.33E-04	1.14E-02
5339	483363.09	3866377.25	0.24724	0.21136	0.3402	0.11112	9.99E-04	6.31E-03	2.17E-03	3.51E-04	9.83E-03	9.09E-04	6.81E-09	2.89E-05	9.57E-06	9.47E-04	1.16E-03	6.31E-03	2.17E-03	3.51E-04	9.98E-03
5340	483863.09	3866377.25	0.21239	0.21254	0.3485	0.10249	8.59E-04	6.34E-03	2.22E-03	3.24E-04	9.75E-03	7.81E-04	6.85E-09	2.96E-05	8.83E-06	8.19E-04	9.93E-04	6.34E-03	2.22E-03	3.24E-04	9.88E-03
5341	484363.09	3866377.25	0.22905	0.22783	0.218	0.10062	9.26E-04	6.80E-03	1.39E-03	3.18E-04	9.43E-03	8.42E-04	7.34E-09	1.85E-05	8.66E-06	8.69E-04	1.07E-03	6.80E-03	1.39E-03	3.18E-04	9.58E-03
5342	484863.09	3866377.25	0.20347	0.22848	0.152	0.11859	8.22E-04	6.82E-03	9.70E-04	3.74E-04	8.98E-03	7.48E-04	7.36E-09	1.29E-05	1.02E-05	7.71E-04	9.52E-04	6.82E-03	9.70E-04	3.74E-04	9.11E-03
5343	485363.09	3866377.25	0.19683	0.22324	0.1357	0.08035	7.96E-04	6.66E-03	8.66E-04	2.54E-04	8.57E-03	7.24E-04	7.20E-09	1.15E-05	6.92E-06	7.42E-04	9.20E-04	6.66E-03	8.66E-04	2.54E-04	8.70E-03
5344	485863.09	3866377.25	0.20732	0.20509	0.1558	0.07746	8.38E-04	6.12E-03	9.94E-04	2.45E-04	8.20E-03	7.62E-04	6.61E-09	1.33E-05	6.67E-06	7.82E-04	9.70E-04	6.12E-03	9.94E-04	2.45E-04	8.33E-03
5345	486363.09	3866377.25	0.20277	0.20376	0.1272	0.07492	8.20E-04	6.08E-03	8.12E-04	2.37E-04	7.95E-03	7.45E-04	6.57E-09	1.08E-05	6.45E-06	7.63E-04	9.48E-04	6.08E-03	8.12E-04	2.37E-04	8.08E-03
5346	486863.09	3866377.25	0.21431	0.23089	0.1941	0.06782	8.66E-04	6.89E-03	1.24E-03	2.14E-04	9.21E-03	7.88E-04	7.44E-09	1.65E-05	5.84E-06	8.10E-04	1.00E-03	6.89E-03	1.24E-03	2.14E-04	9.34E-03
5347	487363.09	3866377.25	0.22281	0.21674	0.2154	0.09628	9.01E-04	6.47E-03	1.37E-03	3.04E-04	9.04E-03	8.19E-04	6.99E-09	1.83E-05	8.29E-06	8.46E-04	1.04E-03	6.47E-03	1.37E-03	3.04E-04	9.19E-03
5348	487863.09	3866377.25	0.23951	0.22926	0.4765	0.0985	9.68E-04	6.84E-03	3.04E-03	3.11E-04	1.12E-02	8.81E-04	7.39E-09	4.05E-05	8.48E-06	9.30E-04	1.12E-03	6.84E-03	3.04E-03	3.11E-04	1.13E-02
5349	488363.09	3866377.25	0.25544	0.23384	0.3904	0.11302	1.03E-03	6.98E-03	2.49E-03	3.57E-04	1.09E-02	9.39E-04	7.54E-09	3.32E-05	9.73E-06	9.82E-04	1.19E-03	6.98E-03	2.49E-03	3.57E-04	1.10E-02
5350	488863.09	3866377.25	0.25342	0.2377	0.2177	0.08401	1.02E-03	7.09E-03	1.39E-03	2.65E-04	9.77E-03	9.32E-04	7.66E-09	1.85E-05	7.23E-06	9.57E-04	1.19E-03	7.09E-03	1.39E-03	2.65E-04	9.93E-03
5351	489363.09	3866377.25	0.24252	0.27486	0.1858	0.06255	9.80E-04	8.20E-03	1.18E-03	1.97E-04	1.06E-02	8.92E-04	8.86E-09	1.58E-05	5.39E-06	9.13E-04	1.13E-03	8.20E-03	1.18E-03	1.97E-04	1.07E-02
5352	489863.09	3866377.25	0.25382	0.24255	0.1167	0.07852	1.03E-03	7.24E-03	7.44E-04	2.48E-04	9.25E-03	9.33E-04	7.82E-09	9.92E-06	6.76E-06	9.50E-04	1.19E-03	7.24E-03	7.44E-04	2.48E-04	9.42E-03
5353	490363.09	3866377.25	0.27696	0.27241	0.0827	0.09093	1.12E-03	8.13E-03	5.28E-04	2.87E-04	1.01E-02	1.02E-03	8.78E-09	7.03E-06	7.83E-06	1.03E-03	1.30E-03	8.13E-03	5.28E-04	2.87E-04	1.02E-02
5354	490863.09	3866377.25	0.25631	0.27651	0.0981	0.09628	1.04E-03	8.25E-03	6.26E-04	3.04E-04	1.02E-02	9.42E-04	8.91E-09	8.34E-06	8.29E-06	9.59E-04	1.20E-03	8.25E-03	6.26E-04	3.04E-04	1.04E-02
5355	491363.09	3866377.25	0.26904	0.2794	0.0771	0.1221	1.09E-03	8.34E-03	4.92E-04	3.86E-04	1.03E-02	9.89E-04	9.01E-09	6.56E-06	1.05E-05	1.01E-03	1.26E-03	8.34E-03	4.92E-04	3.86E-04	1.05E-02
5356	491863.09	3866377.25	0.38976	0.22533	0.0636	0.1511	1.58E-03	6.72E-03	4.05E-04	4.77E-04	9.18E-03	1.43E-03	7.26E-09	5.40E-06	1.30E-05	1.45E-03	1.82E-03	6.72E-03	4.05E-04	4.77E-04	9.43E-03
5357	492363.09	3866377.25	0.38623	0.23588	0.1138	0.1796	1.56E-03	7.04E-03	7.26E-04	5.67E-04	9.89E-03	1.42E-03	7.60E-09	9.68E-06	1.55E-05	1.45E-03	1.81E-03	7.04E-03	7.26E-04	5.67E-04	1.01E-02
5358	492863.09	3866377.25	0.32996	0.1842	0.2383	0.17943	1.33E-03	5.50E-03	1.52E-03	5.67E-04	8.92E-03	1.21E-03	5.94E-09	2.03E-05	1.55E-05	1.25E-03	1.54E-03	5.50E-03	1.52E-03	5.67E-04	9.12E-03
5359	493363.09	3866377.25	0.38171	0.18606	0.3666	0.16358	1.54E-03	5.55E-03	2.34E-03	5.16E-04	9.95E-03	1.40E-03	6.00E-09	3.12E-05	1.41E-05	1.45E-03	1.79E-03	5.55E-03	2.34E-03	5.16E-04	1.02E-02
5360	493863.09	3866377.25	0.37321	0.23702	0.4673	0.15312	1.51E-03	7.07E-03	2.98E-03	4.83E-04	1.20E-02	1.37E-03	7.64E-09	3.97E-05	1.32E-05	1.43E-03	1.75E-03	7.07E-03	2.98E-03	4.83E-04	1.23E-02
5361	494363.09	3866377.25	0.33624	0.30252	0.4739	0.19256	1.36E-03	9.03E-03	3.02E-03	6.08E-04	1.40E-02	1.24E-03	9.75E-09	4.03E-05	1.66E-05	1.29E-03	1.57E-03	9.03E-03	3.02E-03	6.08E-04	1.42E-02
5362	494863.09	3866377.25	0.32693	0.33767	0.4627	0.15882	1.32E-03	1.01E-02	2.95E-03	5.01E-04	1.48E-02	1.20E-03	1.09E-08	3.93E-05	1.37E-05	1.25E-03	1.53E-03	1.01E-02	2.95E-03	5.01E-04	1.51E-02
5363	495363.09	3866377.25	0.31489	0.28321	0.3833	0.18284	1.27E-03	8.45E-03	2.44E-03	5.77E-04	1.27E-02	1.16E-03	9.13E-09	3.26E-05	1.57E-05	1.21E-03	1.47E-03	8.45E-03	2.44E-03	5.77E-04	1.29E-02
5364	495863.09	3866377.25	0.32456	0.26908	0.3553	0.19182	1.31E-03	8.03E-03	2.27E-03	6.06E-04	1.22E-02	1.19E-03	8.67E-09	3.02E-05	1.65E-05	1.24E-03	1.52E-03	8.03E-03	2.27E-03	6.06E-04	1.24E-02

5365	496363.09	3866377.25	0.36947	0.24068	0.2786	0.1516	1.49E-03	7.18E-03	1.78E-03	4.79E-04	1.09E-02	1.36E-03	7.76E-09	2.37E-05	1.31E-05	1.40E-03	1.73E-03	7.18E-03	1.78E-03	4.79E-04	1.12E-02
5366	496863.09	3866377.25	0.39246	0.21177	0.3812	0.13457	1.59E-03	6.32E-03	2.43E-03	4.25E-04	1.08E-02	1.44E-03	6.83E-09	3.24E-05	1.16E-05	1.49E-03	1.84E-03	6.32E-03	2.43E-03	4.25E-04	1.10E-02
5367	497363.09	3866377.25	0.30612	0.21844	0.4812	0.10846	1.24E-03	6.52E-03	3.07E-03	3.42E-04	1.12E-02	1.13E-03	7.04E-09	4.09E-05	9.34E-06	1.18E-03	1.43E-03	6.52E-03	3.07E-03	3.42E-04	1.14E-02
5368	497863.09	3866377.25	0.26488	0.22582	0.4664	0.11965	1.07E-03	6.74E-03	2.97E-03	3.78E-04	1.12E-02	9.74E-04	7.28E-09	3.97E-05	1.03E-05	1.02E-03	1.24E-03	6.74E-03	2.97E-03	3.78E-04	1.13E-02
5369	498363.09	3866377.25	0.30906	0.16525	0.3513	0.14255	1.25E-03	4.93E-03	2.24E-03	4.50E-04	8.87E-03	1.14E-03	5.33E-09	2.99E-05	1.23E-05	1.18E-03	1.45E-03	4.93E-03	2.24E-03	4.50E-04	9.07E-03
5370	474494.92	3848334.16	0.33712	0.1565	0.0617	0.07513	1.36E-03	4.67E-03	3.94E-04	2.37E-04	6.66E-03	1.24E-03	5.04E-09	5.25E-06	6.47E-06	1.25E-03	1.58E-03	4.67E-03	3.94E-04	2.37E-04	6.88E-03
5371	475167.27	3848920.79	0.37132	0.16696	0.074	0.07774	1.50E-03	4.98E-03	4.72E-04	2.45E-04	7.20E-03	1.37E-03	5.38E-09	6.30E-06	6.69E-06	1.38E-03	1.74E-03	4.98E-03	4.72E-04	2.45E-04	7.44E-03
5372	475297.89	3848997.96	0.37455	0.17262	0.0741	0.07917	1.51E-03	5.15E-03	4.73E-04	2.50E-04	7.39E-03	1.38E-03	5.56E-09	6.31E-06	6.82E-06	1.39E-03	1.75E-03	5.15E-03	4.73E-04	2.50E-04	7.62E-03
5373	475439.05	3849062	0.37414	0.17064	0.0728	0.08109	1.51E-03	5.09E-03	4.64E-04	2.56E-04	7.32E-03	1.38E-03	5.50E-09	6.19E-06	6.98E-06	1.39E-03	1.75E-03	5.09E-03	4.64E-04	2.56E-04	7.56E-03
5374	475486.86	3849061.09	0.37474	0.16885	0.0708	0.08216	1.51E-03	5.04E-03	4.51E-04	2.59E-04	7.26E-03	1.38E-03	5.44E-09	6.02E-06	7.07E-06	1.39E-03	1.75E-03	5.04E-03	4.51E-04	2.59E-04	7.50E-03
5375	475538.46	3849075.56	0.38726	0.1789	0.0697	0.08298	1.57E-03	5.34E-03	4.45E-04	2.62E-04	7.61E-03	1.42E-03	5.77E-09	5.93E-06	7.15E-06	1.44E-03	1.81E-03	5.34E-03	4.45E-04	2.62E-04	7.86E-03
5376	475751.79	3849137.15	0.36945	0.20204	0.0704	0.07714	1.49E-03	6.03E-03	4.49E-04	2.44E-04	8.21E-03	1.36E-03	6.51E-09	5.99E-06	6.64E-06	1.37E-03	1.73E-03	6.03E-03	4.49E-04	2.44E-04	8.45E-03
5377	476303.62	3849223.38	0.3799	0.22714	0.087	0.08186	1.54E-03	6.78E-03	5.55E-04	2.58E-04	9.13E-03	1.40E-03	7.32E-09	7.39E-06	7.05E-06	1.41E-03	1.78E-03	6.78E-03	5.55E-04	2.58E-04	9.37E-03
5378	476304.51	3849238.92	0.39072	0.22625	0.0865	0.0818	1.58E-03	6.75E-03	5.51E-04	2.58E-04	9.14E-03	1.44E-03	7.29E-09	7.35E-06	7.04E-06	1.45E-03	1.83E-03	6.75E-03	5.51E-04	2.58E-04	9.39E-03
5379	476365.04	3849247.98	0.37743	0.23476	0.0882	0.08225	1.53E-03	7.00E-03	5.63E-04	2.60E-04	9.35E-03	1.39E-03	7.57E-09	7.50E-06	7.08E-06	1.40E-03	1.77E-03	7.00E-03	5.63E-04	2.60E-04	9.59E-03
5380	476444.86	3849267.13	0.35966	0.22945	0.0903	0.08265	1.45E-03	6.85E-03	5.76E-04	2.61E-04	9.14E-03	1.32E-03	7.40E-09	7.68E-06	7.12E-06	1.34E-03	1.68E-03	6.85E-03	5.76E-04	2.61E-04	9.36E-03
5381	476550.75	3849300.66	0.34822	0.24771	0.0928	0.08286	1.41E-03	7.39E-03	5.92E-04	2.62E-04	9.65E-03	1.28E-03	7.98E-09	7.89E-06	7.14E-06	1.30E-03	1.63E-03	7.39E-03	5.92E-04	2.62E-04	9.87E-03
5382	476656.71	3849346.88	0.36421	0.24557	0.0955	0.08294	1.47E-03	7.33E-03	6.09E-04	2.62E-04	9.67E-03	1.34E-03	7.91E-09	8.12E-06	7.14E-06	1.35E-03	1.70E-03	7.33E-03	6.09E-04	2.62E-04	9.90E-03
5383	476873.55	3849454.53	0.35419	0.26779	0.1017	0.0827	1.43E-03	7.99E-03	6.49E-04	2.61E-04	1.03E-02	1.30E-03	8.63E-09	8.65E-06	7.12E-06	1.32E-03	1.66E-03	7.99E-03	6.49E-04	2.61E-04	1.06E-02
5384	477700	3849859.7	0.42639	0.32364	0.1165	0.07516	1.72E-03	9.66E-03	7.43E-04	2.37E-04	1.24E-02	1.57E-03	1.04E-08	9.91E-06	6.47E-06	1.58E-03	1.99E-03	9.66E-03	7.43E-04	2.37E-04	1.26E-02
5385	477743.16	3849856.38	0.42299	0.32289	0.1185	0.07338	1.71E-03	9.63E-03	7.56E-04	2.32E-04	1.23E-02	1.56E-03	1.04E-08	1.01E-05	6.32E-06	1.57E-03	1.98E-03	9.63E-03	7.56E-04	2.32E-04	1.26E-02
5386	478477.35	3850216.33	0.49211	0.28031	0.1368	0.08607	1.99E-03	8.36E-03	8.73E-04	2.72E-04	1.15E-02	1.81E-03	9.03E-09	1.16E-05	7.41E-06	1.83E-03	2.30E-03	8.36E-03	8.73E-04	2.72E-04	1.18E-02
5387	478485.8	3850201.6	0.48383	0.27382	0.1378	0.08589	1.96E-03	8.17E-03	8.79E-04	2.71E-04	1.13E-02	1.78E-03	8.83E-09	1.17E-05	7.40E-06	1.80E-03	2.26E-03	8.17E-03	8.79E-04	2.71E-04	1.16E-02
5388	479113.21	3850501.53	0.47638	0.29384	0.1549	0.09885	1.93E-03	8.77E-03	9.88E-04	3.12E-04	1.20E-02	1.75E-03	9.47E-09	1.32E-05	8.51E-06	1.77E-03	2.23E-03	8.77E-03	9.88E-04	3.12E-04	1.23E-02
5389	479108.11	3850382.28	0.48185	0.28739	0.1589	0.0943	1.95E-03	8.57E-03	1.01E-03	2.98E-04	1.18E-02	1.77E-03	9.26E-09	1.35E-05	8.12E-06	1.79E-03	2.25E-03	8.57E-03	1.01E-03	2.98E-04	1.21E-02
5390	479689.85	3850674.28	0.63448	0.28436	0.1517	0.09611	2.56E-03	8.48E-03	9.68E-04	3.03E-04	1.23E-02	2.33E-03	9.17E-09	1.29E-05	8.28E-06	2.35E-03	2.97E-03	8.48E-03	9.68E-04	3.03E-04	1.27E-02
5391	479952.42	3850774.28	0.74877	0.27142	0.1407	0.10612	3.03E-03	8.10E-03	8.97E-04	3.35E-04	1.24E-02	2.75E-03	8.75E-09	1.20E-05	9.14E-06	2.77E-03	3.50E-03	8.10E-03	8.97E-04	3.35E-04	1.28E-02
5392	479911.32	3850884.85	0.64667	0.305	0.1567	0.10188	2.61E-03	9.10E-03	1.00E-03	3.22E-04	1.30E-02	2.38E-03	9.83E-09	1.33E-05	8.77E-06	2.40E-03	3.02E-03	9.10E-03	1.00E-03	3.22E-04	1.34E-02
5393	480500.92	3851178.12	0.7777	0.28923	0.138	0.09896	3.14E-03	8.63E-03	8.80E-04	3.12E-04	1.30E-02	2.86E-03	9.32E-09	1.17E-05	8.52E-06	2.88E-03	3.64E-03	8.63E-03	8.80E-04	3.12E-04	1.35E-02
5394	480738.01	3851289.27	0.84814	0.33227	0.1199	0.10593	3.43E-03	9.91E-03	7.65E-04	3.34E-04	1.44E-02	3.12E-03	1.07E-08	1.02E-05	9.12E-06	3.14E-03	3.97E-03	9.91E-03	7.65E-04	3.34E-04	1.50E-02
5395	481055.42	3851443.58	0.95517	0.32812	0.1124	0.11086	3.86E-03	9.79E-03	7.17E-04	3.50E-04	1.47E-02	3.51E-03	1.06E-08	9.56E-06	9.55E-06	3.53E-03	4.47E-03	9.79E-03	7.17E-04	3.50E-04	1.53E-02
5396	481110.22	3851443.15	0.94582	0.32372	0.1185	0.10929	3.82E-03	9.66E-03	7.56E-04	3.45E-04	1.46E-02	3.48E-03	1.04E-08	1.01E-05	9.41E-06	3.50E-03	4.42E-03	9.66E-03	7.56E-04	3.45E-04	1.52E-02
5397	481111.1	3851417.45	0.94645	0.30981	0.123	0.11019	3.83E-03	9.24E-03	7.84E-04	3.48E-04	1.42E-02	3.48E-03	9.99E-09	1.05E-05	9.49E-06	3.50E-03	4.43E-03	9.24E-03	7.84E-04	3.48E-04	1.48E-02
5398	482248.44	3852605.09	1.34907	0.36171	0.1433	0.12866	5.45E-03	1.08E-02	9.14E-04	4.06E-04	1.76E-02	4.96E-03	1.17E-08	1.22E-05	1.11E-05	4.98E-03	6.31E-03	1.08E-02	9.14E-04	4.06E-04	1.84E-02
5399	482273.34	3852632.31	1.36385	0.36605	0.1446	0.12847	5.51E-03	1.09E-02	9.22E-04	4.06E-04	1.78E-02	5.01E-03	1.18E-08	1.23E-05	1.11E-05	5.04E-03	6.38E-03	1.09E-02	9.22E-04	4.06E-04	1.86E-02
5400	482665.46	3853038.72	1.60478	0.40146	0.1626	0.14647	6.49E-03	1.20E-02	1.04E-03	4.62E-04	2.00E-02	5.90E-03	1.29E-08	1.38E-05	1.26E-05	5.93E-03	7.50E-03	1.20E-02	1.04E-03	4.62E-04	2.10E-02
5401	483077.95	3853844.31	1.74553	0.45704	0.249	0.17319	7.06E-03	1.36E-02	1.59E-03	5.47E-04	2.28E-02	6.42E-03	1.47E-08	2.12E-05	1.49E-05	6.45E-03	8.16E-03	1.36E-02	1.59E-03	5.47E-04	2.39E-02
5402	483121.38	3853909.38	2.0234	0.44409	0.2526	0.17319	8.18E-03	1.32E-02	1.61E-03	5.47E-04	2.36E-02	7.44E-03	1.43E-08	2.15E-05	1.49E-05	7.48E-03	9.46E-03	1.32E-02	1.61E-03	5.47E-04	2.49E-02
5403	483492.64	3853911.49	2.59661	0.36507	0.2128	0.18636	1.05E-02	1.09E-02	1.36E-03	5.88E-04	2.33E-02	9.55E-03	1.18E-08	1.81E-05	1.60E-05	9.58E-03	1.21E-02	1.09E-02	1.36E-03	5.88E-04	2.50E-02
5404	483498.29	3854204.73	2.56975	0.38883	0.2631	0.21337	1.04E-02	1.16E-02	1.68E-03	6.74E-04	2.43E-02	9.45E-03	1.25E-08	2.24E-05	1.84E-05	9.49E-03	1.20E-02	1.16E-02	1.68E-03	6.74E-04	2.60E-02
5405	484132.44	3854662.55	3.17077	0.25474	0.2765	0.37731	1.28E-02	7.60E-03	1.76E-03	1.19E-03	2.34E-02	1.17E-02	8.21E-09	2.35E-05	3.25E-05	1.17E-02	1.48E-02	7.60E-03	1.76E-03	1.19E-03	2.54E-02
5406	484627.62	3854876.13	4.05895	0.26011	0.2406	0.34508	1.64E-02	7.76E-03	1.53E-03	1.09E-03	2.68E-02	1.49E-02	8.38E-09	2.05E-05	2.97E-05	1.50E-02	1.90E-02	7.76E-03	1.53E-03	1.09E-03	2.94E-02
5407	484756.14	3854949.04	4.34314	0.27864	0.2527	0.32001	1.76E-02	8.31E-03	1.61E-03	1.01E-03	2.85E-02	1.60E-02	8.98E-09	2.15E-05	2.76E-05	1.60E-02	2.03E-02	8.31E-03	1.61E-03	1.01E-03	3.12E-02
5408	486697.51	3856599.17	16.317	0.68706	0.5992	0.65308	6.60E-02	2.05E-02	3.82E-03	2.06E-03	9.23E-02	6.00E-02	2.21E-08	5.10E-05	5.62E-05	6.01E-02	7.63E-02	2.05E-02	3.82E-03	2.06E-03	1.03E-01
5409	487105.31	3856962.27	17.5728	0.96834	0.729	0.45467	7.10E-02	2.89E-02	4.65E-03	1.44E-03	1.06E-01	6.46E-02	3.12E-08	6.20E-05	3.92E-05	6.47E-02	8.22E-02	2.89E-02	4.65E-03	1.44E-03	1.17E-01
5410	487157.57	3856901.7	14.354	0.91045	0.776	0.4703	5.80E-02	2.72E-02	4.95E-03	1.48E-03	9.16E-02	5.28E-02	2.93E-08	6.60E-05	4.05E-05	5.29E-02	6.71E-02	2.72E-02	4.95E-03	1.48E-03	1.01E-01
5411	487173.5	3856853.74	12.9504	0.88095	0.818	0.47756	5.23E-02	2.63E-02	5.22E-03	1.51E-03	8.54E-02	4.76E-02	2.84E-08	6.96E-05	4.11E-05	4.77E-02	6.06E-02	2.63E-02	5.22E-03	1.51E-03	9.36E-02
5412	487564.41	3856860.83	8.0239	0.82867	0.9382	0.42083	3.24E-02	2.47E-02	5.98E-03	1.33E-03	6.45E-02	2.95E-02	2.67E-08	7.98E-05	3.62E-05	2.96E-02	3.75E-02	2.47E-02	5.98E-03	1.33E-03	6.96E-02
5413	487563.31	3856931.58	8.14446	0.87561	0.9498	0.40298	3.29E-02	2.61E-02	6.06E-03	1.27E-03	6.64E-02	2.99E-02	2.82E-08	8.08E-05	3.47E-05	3.01E-02	3.81E-02	2.61E-02	6.06E-03	1.27E-03	7.15E-02
5414	487782.7	3856926.85	6.49608	0.8648	1.4063	0.36622	2.63E-02	2.58E-02	8.97E-03	1.16E-03	6.22E-02	2.39E-02	2.79E-08	1.20E-04	3.15E-05	2.40E-02	3.04E-02	2.58E-02	8.97E-03	1.16E-03	6.63E-02
5415	487782.39	3856757.07	6.54878	0.763	1.3063	0.32496	2.65E-02	2.28E-02	8.33E-03	1.03E-03	5.86E-02	2.41E-02	2.46E-08	1.11E-04	2.80E-05	2.42E-02	3.06E-02	2.28E-02	8.33E-03	1.03E-03	6.27E-02
5416	487917.26	3856752.41	5.90028	0.78353	1.1633	0.32405	2.39E-02	2.34E-02	7.42E-03	1.02E-03	5.57E-02	2.17E-02	2.53E-08	9.89E-05	2.79E-05	2.18E-02	2.76E-02	2.34E-02	7.42E-03	1.02E-03	5.94E-02
5417	487919.57	3856953.35	5.88571	0.90425	1.2207	0.32493	2.38E-02	2.70E-02	7.79E-03	1.03E-03	5.96E-02	2.16E-02	2.91E-08	1.04E-04	2.80E-05	2.18E-02	2.75E-02	2.70E-02	7.79E-03	1.03E-03	6.33E-02
5418	487932.76	3857000.32	5.90084	0.93547	1.3103	0.31061	2.39E-02	2.79E-02	8.36E-03	9.81E-04	6.11E-02	2.17E-02	3.02E-08	1.11E-04	2.67E-05	2.18E-02	2.76E-02	2.79E-02	8.36E-03	9.81E-04	6.48E-02
5419	487960.5	3857044.75	5.50047	0.96496	1.3782	0.3093	2.22E-02	2.88E-02	8.79E-03	9.77E-04	6.08E-02	2.02E-02	3.11E-08	1.17E-04	2.66E-05	2.04E-02	2.57E-02	2.88E-02	8.79E-03	9.77E-04	6.43E-02
5420	488016.54	3857089.54	5.16976	0.98954	1.4557	0.30388	2.09E-02	2.95E-02	9.29E-03	9.59E-04	6.07E-02	1.90E-02	3.19E-08	1.24E-04	2.62E-05	1.92E-02	2.42E-02	2.95E-02	9.29E-03	9.59E-04	6.39E-02
5421	488114.39	3857165.47	4.42829	0.99641	1.3914	0.2876	1.79E-02	2.97E-02	8.88E-03	9.08E-04	5.74E-02	1.63E-02	3.21E-08	1.18E-04	2.48E-05	1.64E-02	2.07E-02	2.97E-02	8.88E-03	9.08E-04	6.02E-02
5422	488171.49	3857234.24	3.93087	1.00509	1.6409	0.28615	1.59E-02	3.00E-02	1.05E-02	9.03E-04	5.72E-02	1.45E-02	3.24E-08	1.40E-04	2.46E-05	1.46E-02	1.84E-02	3.00E-02	1.05E-02	9.03E-04	5.97E-02
5423	488193.16	3857297.8	3.67451	1.06946	1.9008	0.27776	1.49E-02	3.19E-02	1.21E-02	8.77E-04	5.98E-02	1.35E-02	3.45E-08	1.62E-04	2.39E-05	1.37E-02	1.72E-02	3.19E-02	1.21E-02	8.77E-04	6.21E-02
5424	488189.27	3857649.94	3.03352	1.31556	3.2329	0.27302	1.23E-02	3.92E-02	2.06E-02	8.62E-04	7.30E-02	1.12E-02	4.24E-08	2.75E-04	2.35E-05	1.15E-02	1.42E-02	3.92E-02	2.06E-02	8.62E-04	7.49E-02
5425	488127.43	3857732.32	3.00629	1.36858	4.5062	0.27314	1.22E-02	4.08E-02	2.87E-02	8.62E-04	8.26E-02	1.11E-02	4.41E-08	3.83E-04	2.35E-05	1.15E-02	1.41E-02	4.08E-02	2.87E-02	8.62E-04	8.45E-02

5426	488149.93	3857752.94	2.91789	1.36078	4.4569	0.25705	1.18E-02	4.06E-02	2.84E-02	8.12E-04	8.16E-02	1.07E-02	4.39E-08	3.79E-04	2.21E-05	1.11E-02	1.36E-02	4.06E-02	2.84E-02	8.12E-04	8.35E-02
5427	488144.76	3857758.71	2.93589	1.35556	4.536	0.25502	1.19E-02	4.04E-02	2.89E-02	8.05E-04	8.20E-02	1.08E-02	4.37E-08	3.86E-04	2.20E-05	1.12E-02	1.37E-02	4.04E-02	2.89E-02	8.05E-04	8.39E-02
5428	488335.58	3857932.55	2.44857	1.3669	13.77	0.29152	9.90E-03	4.08E-02	8.78E-02	9.20E-04	1.39E-01	9.00E-03	4.41E-08	1.17E-03	2.51E-05	1.02E-02	1.15E-02	4.08E-02	8.78E-02	9.20E-04	1.41E-01
5429	488372.29	3857943.79	2.38174	1.37245	13.02	0.3349	9.63E-03	4.09E-02	8.30E-02	1.06E-03	1.35E-01	8.76E-03	4.42E-08	1.11E-03	2.88E-05	9.89E-03	1.11E-02	4.09E-02	8.30E-02	1.06E-03	1.36E-01
5430	488828.64	3857936.4	2.278	1.3547	5.2352	0.30945	9.21E-03	4.04E-02	3.34E-02	9.77E-04	8.40E-02	8.38E-03	4.37E-08	4.45E-04	2.66E-05	8.85E-03	1.07E-02	4.04E-02	3.34E-02	9.77E-04	8.54E-02
5431	488829.08	3857959.58	2.17585	1.37943	5.5619	0.31212	8.80E-03	4.12E-02	3.55E-02	9.85E-04	8.64E-02	8.00E-03	4.45E-08	4.73E-04	2.69E-05	8.50E-03	1.02E-02	4.12E-02	3.55E-02	9.85E-04	8.78E-02
5432	488351.61	3857964.55	2.45072	1.39176	14.35	0.3466	9.91E-03	4.15E-02	9.15E-02	1.09E-03	1.44E-01	9.01E-03	4.49E-08	1.22E-03	2.98E-05	1.03E-02	1.15E-02	4.15E-02	9.15E-02	1.09E-03	1.46E-01
5433	488316.87	3857947.65	2.54628	1.38123	14.543	0.29782	1.03E-02	4.12E-02	9.28E-02	9.40E-04	1.45E-01	9.36E-03	4.45E-08	1.24E-03	2.56E-05	1.06E-02	1.19E-02	4.12E-02	9.28E-02	9.40E-04	1.47E-01
5434	488129.1	3857775.77	2.98372	1.34672	4.5731	0.25505	1.21E-02	4.02E-02	2.92E-02	8.05E-04	8.22E-02	1.10E-02	4.34E-08	3.89E-04	2.20E-05	1.14E-02	1.40E-02	4.02E-02	2.92E-02	8.05E-04	8.41E-02
5435	488062.53	3857846.13	3.21157	1.35853	8.578	0.28178	1.30E-02	4.05E-02	5.47E-02	8.90E-04	1.09E-01	1.18E-02	4.38E-08	7.30E-04	2.43E-05	1.26E-02	1.50E-02	4.05E-02	5.47E-02	8.90E-04	1.11E-01
5436	488330.41	3858091.34	2.38383	1.54591	19.3	0.33965	9.64E-03	4.61E-02	1.23E-01	1.07E-03	1.80E-01	8.76E-03	4.98E-08	1.64E-03	2.92E-05	1.04E-02	1.11E-02	4.61E-02	1.23E-01	1.07E-03	1.81E-01
5437	488470.87	3858174.45	2.21582	1.67603	14.22	0.38727	8.96E-03	5.00E-02	9.07E-02	1.22E-03	1.51E-01	8.15E-03	5.40E-08	1.21E-03	3.33E-05	9.39E-03	1.04E-02	5.00E-02	9.07E-02	1.22E-03	1.52E-01
5438	488568.9	3858262.31	1.9638	1.85947	8.5228	0.36483	7.94E-03	5.55E-02	5.44E-02	1.15E-03	1.19E-01	7.22E-03	5.99E-08	7.25E-04	3.14E-05	7.98E-03	9.18E-03	5.55E-02	5.44E-02	1.15E-03	1.20E-01
5439	488964.27	3858025.71	2.07376	1.3739	4.4703	0.33632	8.38E-03	4.10E-02	2.85E-02	1.06E-03	7.89E-02	7.62E-03	4.43E-08	3.80E-04	2.90E-05	8.03E-03	9.70E-03	4.10E-02	2.85E-02	1.06E-03	8.03E-02
5440	489147.25	3857956.64	2.3938	1.26233	3.9696	0.3124	9.68E-03	3.77E-02	2.53E-02	9.86E-04	7.36E-02	8.80E-03	4.07E-08	3.38E-04	2.69E-05	9.17E-03	1.12E-02	3.77E-02	2.53E-02	9.86E-04	7.52E-02
5441	489343.52	3857932.45	2.35626	1.18952	3.2799	0.28787	9.52E-03	3.55E-02	2.09E-02	9.09E-04	6.68E-02	8.66E-03	3.83E-08	2.79E-04	2.48E-05	8.97E-03	1.10E-02	3.55E-02	2.09E-02	9.09E-04	6.83E-02
5442	489866.19	3857923.19	1.70852	1.03873	2.5821	0.22388	6.91E-03	3.10E-02	1.65E-02	7.07E-04	5.51E-02	6.28E-03	3.35E-08	2.20E-04	1.93E-05	6.52E-03	7.99E-03	3.10E-02	1.65E-02	7.07E-04	5.62E-02
5443	489955.65	3857902.27	1.60783	0.99052	2.4827	0.22744	6.50E-03	2.96E-02	1.58E-02	7.18E-04	5.26E-02	5.91E-03	3.19E-08	2.11E-04	1.96E-05	6.14E-03	7.52E-03	2.96E-02	1.58E-02	7.18E-04	5.36E-02
5444	490079.44	3857847.9	1.54492	0.94875	2.2665	0.22796	6.24E-03	2.83E-02	1.45E-02	7.20E-04	4.97E-02	5.68E-03	3.06E-08	1.93E-04	1.96E-05	5.89E-03	7.22E-03	2.83E-02	1.45E-02	7.20E-04	5.07E-02
5445	490108.49	3857934.13	1.55116	0.95679	2.2604	0.24154	6.27E-03	2.85E-02	1.44E-02	7.63E-04	5.00E-02	5.70E-03	3.08E-08	1.92E-04	2.08E-05	5.92E-03	7.25E-03	2.85E-02	1.44E-02	7.63E-04	5.10E-02
5446	489884.48	3858014.17	1.81774	1.05082	2.4431	0.23796	7.35E-03	3.13E-02	1.56E-02	7.51E-04	5.50E-02	6.68E-03	3.39E-08	2.08E-04	2.05E-05	6.91E-03	8.50E-03	3.13E-02	1.56E-02	7.51E-04	5.62E-02
5447	489326.56	3858025.86	2.29468	1.24031	3.1315	0.254	9.28E-03	3.70E-02	2.00E-02	8.02E-04	6.71E-02	8.44E-03	4.00E-08	2.66E-04	2.19E-05	8.72E-03	1.07E-02	3.70E-02	2.00E-02	8.02E-04	6.85E-02
5448	489130.38	3858056.71	2.16032	1.31578	3.8256	0.29289	8.73E-03	3.93E-02	2.44E-02	9.25E-04	7.33E-02	7.94E-03	4.24E-08	3.25E-04	2.52E-05	8.29E-03	1.01E-02	3.93E-02	2.44E-02	9.25E-04	7.47E-02
5449	488936.49	3858143.93	1.91011	1.52142	4.456	0.31005	7.72E-03	4.54E-02	2.84E-02	9.79E-04	8.25E-02	7.02E-03	4.90E-08	3.79E-04	2.67E-05	7.43E-03	8.93E-03	4.54E-02	2.84E-02	9.79E-04	8.37E-02
5450	488638.08	3858327.45	1.88361	1.91122	6.4159	0.32701	7.61E-03	5.70E-02	4.09E-02	1.03E-03	1.07E-01	6.93E-03	6.16E-08	5.46E-04	2.82E-05	7.50E-03	8.81E-03	5.70E-02	4.09E-02	1.03E-03	1.08E-01
5451	488663.79	3858349.57	1.86109	1.9338	5.9332	0.32023	7.52E-03	5.77E-02	3.78E-02	1.01E-03	1.04E-01	6.84E-03	6.23E-08	5.05E-04	2.76E-05	7.37E-03	8.70E-03	5.77E-02	3.78E-02	1.01E-03	1.05E-01
5452	488694.56	3858349.5	1.84989	1.91081	5.4169	0.32421	7.48E-03	5.70E-02	3.46E-02	1.02E-03	1.00E-01	6.80E-03	6.16E-08	4.61E-04	2.79E-05	7.29E-03	8.65E-03	5.70E-02	3.46E-02	1.02E-03	1.01E-01
5453	488694.35	3858336.75	1.87881	1.88993	5.3214	0.32813	7.59E-03	5.64E-02	3.39E-02	1.04E-03	9.90E-02	6.91E-03	6.09E-08	4.53E-04	2.83E-05	7.39E-03	8.79E-03	5.64E-02	3.39E-02	1.04E-03	1.00E-01
5454	488712.81	3858336.38	1.87428	1.87242	5.3808	0.32486	7.58E-03	5.59E-02	3.43E-02	1.03E-03	9.88E-02	6.89E-03	6.03E-08	4.58E-04	2.80E-05	7.38E-03	8.77E-03	5.59E-02	3.43E-02	1.03E-03	1.00E-01
5455	488713.23	3858367.46	1.79652	1.91061	5.1636	0.31243	7.26E-03	5.70E-02	3.29E-02	9.86E-04	9.82E-02	6.60E-03	6.16E-08	4.39E-04	2.69E-05	7.07E-03	8.40E-03	5.70E-02	3.29E-02	9.86E-04	9.93E-02
5456	488704.63	3858384.05	1.82218	1.94662	4.7936	0.31551	7.37E-03	5.81E-02	3.06E-02	9.96E-04	9.70E-02	6.70E-03	6.27E-08	4.08E-04	2.72E-05	7.13E-03	8.52E-03	5.81E-02	3.06E-02	9.96E-04	9.82E-02
5457	488604.15	3858488.29	2.10064	2.23407	3.002	0.38265	8.49E-03	6.66E-02	1.91E-02	1.21E-03	9.55E-02	7.72E-03	7.20E-08	2.55E-04	3.30E-05	8.01E-03	9.82E-03	6.66E-02	1.91E-02	1.21E-03	9.68E-02
5458	488605.66	3858550.47	1.95041	2.37518	2.1351	0.39319	7.88E-03	7.09E-02	1.36E-02	1.24E-03	9.36E-02	7.17E-03	7.66E-08	1.82E-04	3.39E-05	7.39E-03	9.12E-03	7.09E-02	1.36E-02	1.24E-03	9.48E-02
5459	488692.68	3858548.71	1.99676	2.29034	2.5213	0.3872	8.07E-03	6.83E-02	1.61E-02	1.22E-03	9.37E-02	7.34E-03	7.38E-08	2.14E-04	3.33E-05	7.59E-03	9.34E-03	6.83E-02	1.61E-02	1.22E-03	9.50E-02
5460	488759.93	3858461.81	1.83013	2.05357	3.4131	0.37406	7.40E-03	6.13E-02	2.18E-02	1.18E-03	9.16E-02	6.73E-03	6.62E-08	2.90E-04	3.22E-05	7.05E-03	8.56E-03	6.13E-02	2.18E-02	1.18E-03	9.28E-02
5461	488816.57	3858541.79	1.77092	2.20759	2.8787	0.40968	7.16E-03	6.59E-02	1.84E-02	1.29E-03	9.27E-02	6.51E-03	7.12E-08	2.45E-04	3.53E-05	6.79E-03	8.28E-03	6.59E-02	1.84E-02	1.29E-03	9.38E-02
5462	488944.63	3858656.77	1.6485	2.55025	2.1294	0.36373	6.66E-03	7.61E-02	1.36E-02	1.15E-03	9.75E-02	6.06E-03	8.22E-08	1.81E-04	3.13E-05	6.27E-03	7.71E-03	7.61E-02	1.36E-02	1.15E-03	9.85E-02
5463	489134.91	3858830.7	1.51498	2.84028	1.4264	0.39049	6.12E-03	8.47E-02	9.10E-03	1.23E-03	1.01E-01	5.57E-03	9.15E-08	1.21E-04	3.36E-05	5.72E-03	7.08E-03	8.47E-02	9.10E-03	1.23E-03	1.02E-01
5464	489193.99	3858886.05	1.48774	2.92749	1.4349	0.38439	6.01E-03	8.73E-02	9.15E-03	1.21E-03	1.04E-01	5.47E-03	9.44E-08	1.22E-04	3.31E-05	5.62E-03	6.96E-03	8.73E-02	9.15E-03	1.21E-03	1.05E-01
5465	489295.2	3858954.34	1.39735	2.99352	1.4281	0.3547	5.65E-03	8.93E-02	9.11E-03	1.12E-03	1.05E-01	5.14E-03	9.65E-08	1.21E-04	3.05E-05	5.29E-03	6.53E-03	8.93E-02	9.11E-03	1.12E-03	1.06E-01
5466	489295.64	3858992.74	1.49876	3.10925	1.272	0.33639	6.06E-03	9.28E-02	8.11E-03	1.06E-03	1.08E-01	5.51E-03	1.00E-07	1.08E-04	2.90E-05	5.65E-03	7.01E-03	9.28E-02	8.11E-03	1.06E-03	1.09E-01
5467	489183.74	3858911.72	1.58455	3.11397	1.3548	0.37974	6.41E-03	9.29E-02	8.64E-03	1.20E-03	1.09E-01	5.83E-03	1.00E-07	1.15E-04	3.27E-05	5.97E-03	7.41E-03	9.29E-02	8.64E-03	1.20E-03	1.10E-01
5468	488873.37	3858625.59	1.72156	2.50936	2.094	0.34977	6.96E-03	7.49E-02	1.34E-02	1.10E-03	9.63E-02	6.33E-03	8.09E-08	1.78E-04	3.01E-05	6.54E-03	8.05E-03	7.49E-02	1.34E-02	1.10E-03	9.74E-02
5469	488842.84	3858658.69	1.85425	2.6812	1.8456	0.37988	7.50E-03	8.00E-02	1.18E-02	1.20E-03	1.00E-01	6.82E-03	8.64E-08	1.57E-04	3.27E-05	7.01E-03	8.67E-03	8.00E-02	1.18E-02	1.20E-03	1.02E-01
5470	488856.39	3858670.93	1.84937	2.70926	1.7831	0.3923	7.48E-03	8.08E-02	1.14E-02	1.24E-03	1.01E-01	6.80E-03	8.73E-08	1.52E-04	3.38E-05	6.98E-03	8.65E-03	8.08E-02	1.14E-02	1.24E-03	1.02E-01
5471	488805.7	3858724.5	1.73672	3.01441	1.5002	0.40257	7.02E-03	8.99E-02	9.57E-03	1.27E-03	1.08E-01	6.39E-03	9.72E-08	1.28E-04	3.47E-05	6.55E-03	8.12E-03	8.99E-02	9.57E-03	1.27E-03	1.09E-01
5472	488805.87	3858804.16	1.77733	3.60233	1.415	0.38903	7.18E-03	1.07E-01	9.03E-03	1.23E-03	1.25E-01	6.53E-03	1.16E-07	1.20E-04	3.35E-05	6.69E-03	8.31E-03	1.07E-01	9.03E-03	1.23E-03	1.26E-01
5473	488995.78	3858936.96	1.59643	3.91458	1.1015	0.37998	6.45E-03	1.17E-01	7.03E-03	1.20E-03	1.31E-01	5.87E-03	1.26E-07	9.37E-05	3.27E-05	6.00E-03	7.47E-03	1.17E-01	7.03E-03	1.20E-03	1.32E-01
5474	489130.76	3859017.38	1.46439	3.69027	1.1383	0.37817	5.92E-03	1.10E-01	7.26E-03	1.19E-03	1.24E-01	5.38E-03	1.19E-07	9.68E-05	3.26E-05	5.51E-03	6.85E-03	1.10E-01	7.26E-03	1.19E-03	1.25E-01
5475	489130.92	3859052.24	1.5	3.76144	1.0609	0.37768	6.06E-03	1.12E-01	6.77E-03	1.19E-03	1.26E-01	5.51E-03	1.21E-07	9.02E-05	3.25E-05	5.64E-03	7.01E-03	1.12E-01	6.77E-03	1.19E-03	1.27E-01
5476	489200.33	3859090.6	1.42352	3.70163	1.1076	0.34544	5.75E-03	1.10E-01	7.06E-03	1.09E-03	1.24E-01	5.23E-03	1.19E-07	9.42E-05	2.97E-05	5.36E-03	6.66E-03	1.10E-01	7.06E-03	1.09E-03	1.25E-01
5477	489296.07	3859143.7	1.34898	3.56641	0.9813	0.37343	5.45E-03	1.06E-01	6.26E-03	1.18E-03	1.19E-01	4.96E-03	1.15E-07	8.35E-05	3.22E-05	5.08E-03	6.31E-03	1.06E-01	6.26E-03	1.18E-03	1.20E-01
5478	489296.43	3858954.74	1.39502	2.99215	1.4285	0.35455	5.64E-03	8.93E-02	9.11E-03	1.12E-03	1.05E-01	5.13E-03	9.64E-08	1.21E-04	3.05E-05	5.28E-03	6.52E-03	8.93E-02	9.11E-03	1.12E-03	1.06E-01
5479	489410.33	3859033.19	1.31752	2.96313	1.2825	0.31541	5.33E-03	8.84E-02	8.18E-03	9.96E-04	1.03E-01	4.84E-03	9.55E-08	1.09E-04	2.72E-05	4.98E-03	6.16E-03	8.84E-02	8.18E-03	9.96E-04	1.04E-01
5480	489371.37	3859089.8	1.46843	3.14866	1.1982	0.35524	5.94E-03	9.39E-02	7.64E-03	1.12E-03	1.09E-01	5.40E-03	1.01E-07	1.02E-04	3.06E-05	5.53E-03	6.87E-03	9.39E-02	7.64E-03	1.12E-03	1.10E-01
5481	489390.52	3859102.82	1.4557	3.13435	1.192	0.36373	5.88E-03	9.35E-02	7.60E-03	1.15E-03	1.08E-01	5.35E-03	1.01E-07	1.01E-04	3.13E-05	5.48E-03	6.81E-03	9.35E-02	7.60E-03	1.15E-03	1.09E-01
5482	489382.3	3859114.53	1.4644	3.18857	1.1554	0.37425	5.92E-03	9.51E-02	7.37E-03	1.18E-03	1.10E-01	5.38E-03	1.03E-07	9.83E-05	3.22E-05	5.51E-03	6.85E-03	9.51E-02	7.37E-03	1.18E-03	1.11E-01
5483	489363.04	3859102.45	1.47701	3.20747	1.1586	0.35383	5.97E-03	9.57E-02	7.39E-03	1.12E-03	1.10E-01	5.43E-03	1.03E-07	9.85E-05	3.05E-05	5.56E-03	6.91E-03	9.57E-02	7.39E-03	1.12E-03	1.11E-01
5484	489337.52	3859140.71	1.38772	3.41876	1.0367	0.37454	5.61E-03	1.02E-01	6.61E-03	1.18E-03	1.15E-01	5.10E-03	1.10E-07	8.82E-05	3.23E-05	5.22E-03	6.49E-03	1.02E-01	6.61E-03	1.18E-03	1.16E-01
5485	489375.14	3859164.55	1.38645	3.3493	1.0337	0.38411	5.60E-03	9.99E-02	6.59E-03	1.21E-03	1.13E-01	5.10E-03	1.08E-07	8.79E-05	3.31E-05	5.22E-03	6.48E-03	9.99E-02	6.59E-03	1.21E-03	1.14E-01
5486	489409.3	3859114.5	1.44305	3.11383	1.1884	0.36803	5.83E-03	9.29E-02	7.58E-03	1.16E-03	1.07E-01	5.31E-03	1.00E-07	1.01E-04	3.17E-05	5.44E-03	6.75E-03	9.29E-02	7.58E-03	1.16E-03	1.08E-01

5487	489434.87	3859131.81	1.42723	3.0773	1.1807	0.37335	5.77E-03	9.18E-02	7.53E-03	1.18E-03	1.06E-01	5.25E-03	9.92E-08	1.00E-04	3.21E-05	5.38E-03	6.67E-03	9.18E-02	7.53E-03	1.18E-03	1.07E-01
5488	489471.87	3859075.75	1.28754	2.84595	1.3288	0.35833	5.20E-03	8.49E-02	8.48E-03	1.13E-03	9.97E-02	4.73E-03	9.17E-08	1.13E-04	3.09E-05	4.88E-03	6.02E-03	8.49E-02	8.48E-03	1.13E-03	1.01E-01
5489	489602.62	3859164.69	1.23412	2.81065	1.2837	0.363	4.99E-03	8.39E-02	8.19E-03	1.15E-03	9.82E-02	4.54E-03	9.06E-08	1.09E-04	3.13E-05	4.68E-03	5.77E-03	8.39E-02	8.19E-03	1.15E-03	9.90E-02
5490	489558.29	3859232.45	1.35629	3.02728	1.0615	0.37823	5.48E-03	9.03E-02	6.77E-03	1.19E-03	1.04E-01	4.99E-03	9.76E-08	9.03E-05	3.26E-05	5.11E-03	6.34E-03	9.03E-02	6.77E-03	1.19E-03	1.05E-01
5491	489620.11	3859273.56	1.31756	3.03743	1.0487	0.39009	5.33E-03	9.06E-02	6.69E-03	1.23E-03	1.04E-01	4.84E-03	9.79E-08	8.92E-05	3.36E-05	4.97E-03	6.16E-03	9.06E-02	6.69E-03	1.23E-03	1.05E-01
5492	489666.06	3859206.42	1.22575	2.78342	1.2856	0.35203	4.95E-03	8.30E-02	8.20E-03	1.11E-03	9.73E-02	4.51E-03	8.97E-08	1.09E-04	3.03E-05	4.65E-03	5.73E-03	8.30E-02	8.20E-03	1.11E-03	9.81E-02
5493	489787.9	3859285.65	1.15021	2.71247	1.2974	0.36204	4.65E-03	8.09E-02	8.28E-03	1.14E-03	9.50E-02	4.23E-03	8.74E-08	1.10E-04	3.12E-05	4.37E-03	5.38E-03	8.09E-02	8.28E-03	1.14E-03	9.57E-02
5494	489752.17	3859343.13	1.16114	2.86486	1.086	0.34964	4.69E-03	8.55E-02	6.93E-03	1.10E-03	9.82E-02	4.27E-03	9.23E-08	9.24E-05	3.01E-05	4.39E-03	5.43E-03	8.55E-02	6.93E-03	1.10E-03	9.89E-02
5495	489814.94	3859385.33	1.13733	2.71101	1.0642	0.33563	4.60E-03	8.09E-02	6.79E-03	1.06E-03	9.33E-02	4.18E-03	8.74E-08	9.05E-05	2.89E-05	4.30E-03	5.32E-03	8.09E-02	6.79E-03	1.06E-03	9.40E-02
5496	489853.42	3859330.74	1.114	2.70976	1.2879	0.33541	4.50E-03	8.08E-02	8.21E-03	1.06E-03	9.46E-02	4.10E-03	8.73E-08	1.10E-04	2.89E-05	4.23E-03	5.21E-03	8.08E-02	8.21E-03	1.06E-03	9.53E-02
5497	489969.5	3859401.91	1.0551	2.51755	1.2462	0.33347	4.26E-03	7.51E-02	7.95E-03	1.05E-03	8.84E-02	3.88E-03	8.11E-08	1.06E-04	2.87E-05	4.01E-03	4.93E-03	7.51E-02	7.95E-03	1.05E-03	8.90E-02
5498	490166.91	3859486.96	0.9521	2.26653	1.1844	0.33053	3.85E-03	6.76E-02	7.55E-03	1.04E-03	8.01E-02	3.50E-03	7.31E-08	1.01E-04	2.85E-05	3.63E-03	4.45E-03	6.76E-02	7.55E-03	1.04E-03	8.07E-02
5499	490128.86	3859571.46	1.01247	2.26561	1.0474	0.331	4.09E-03	6.76E-02	6.68E-03	1.05E-03	7.94E-02	3.72E-03	7.30E-08	8.91E-05	2.85E-05	3.84E-03	4.73E-03	6.76E-02	6.68E-03	1.05E-03	8.01E-02
5500	490186.65	3859593.65	0.98588	2.20228	1.0906	0.32797	3.99E-03	6.57E-02	6.96E-03	1.04E-03	7.77E-02	3.62E-03	7.10E-08	9.27E-05	2.82E-05	3.75E-03	4.61E-03	6.57E-02	6.96E-03	1.04E-03	7.83E-02
5501	490223.74	3859517.48	0.9489	2.1852	1.1745	0.31557	3.84E-03	6.52E-02	7.49E-03	9.96E-04	7.75E-02	3.49E-03	7.04E-08	9.99E-05	2.72E-05	3.62E-03	4.44E-03	6.52E-02	7.49E-03	9.96E-04	7.81E-02
5502	490846.34	3859817.22	0.89119	1.6748	1.0416	0.30307	3.60E-03	5.00E-02	6.64E-03	9.57E-04	6.12E-02	3.28E-03	5.40E-08	8.86E-05	2.61E-05	3.39E-03	4.17E-03	5.00E-02	6.64E-03	9.57E-04	6.17E-02
5503	490925.65	3859844.59	0.87778	1.59488	1.0387	0.3032	3.55E-03	4.76E-02	6.63E-03	9.57E-04	5.87E-02	3.23E-03	5.14E-08	8.83E-05	2.61E-05	3.34E-03	4.11E-03	4.76E-02	6.63E-03	9.57E-04	5.93E-02
5504	491159.29	3859896.28	0.80208	1.53455	1.0793	0.29171	3.24E-03	4.58E-02	6.88E-03	9.21E-04	5.68E-02	2.95E-03	4.95E-08	9.18E-05	2.51E-05	3.07E-03	3.75E-03	4.58E-02	6.88E-03	9.21E-04	5.73E-02
5505	491370.69	3859960.89	0.78062	1.47581	1.001	0.27365	3.16E-03	4.40E-02	6.39E-03	8.64E-04	5.44E-02	2.87E-03	4.76E-08	8.51E-05	2.36E-05	2.98E-03	3.65E-03	4.40E-02	6.39E-03	8.64E-04	5.49E-02
5506	491330.28	3860063.17	0.74389	1.49159	0.9357	0.30238	3.01E-03	4.45E-02	5.97E-03	9.55E-04	5.44E-02	2.73E-03	4.81E-08	7.96E-05	2.60E-05	2.84E-03	3.48E-03	4.45E-02	5.97E-03	9.55E-04	5.49E-02
5507	491636.45	3860180.75	0.71387	1.34228	0.9222	0.27405	2.89E-03	4.00E-02	5.88E-03	8.65E-04	4.97E-02	2.62E-03	4.33E-08	7.84E-05	2.36E-05	2.73E-03	3.34E-03	4.00E-02	5.88E-03	8.65E-04	5.01E-02
5508	491617.94	3860203.93	0.68881	1.3389	0.9373	0.27672	2.78E-03	3.99E-02	5.98E-03	8.74E-04	4.96E-02	2.53E-03	4.32E-08	7.97E-05	2.38E-05	2.64E-03	3.22E-03	3.99E-02	5.98E-03	8.74E-04	5.00E-02
5509	491805.68	3860271.59	0.6818	1.21514	0.8887	0.26462	2.76E-03	3.63E-02	5.67E-03	8.36E-04	4.55E-02	2.51E-03	3.92E-08	7.56E-05	2.28E-05	2.61E-03	3.19E-03	3.63E-02	5.67E-03	8.36E-04	4.59E-02
5510	491654.23	3860414.02	0.66604	1.23959	0.7817	0.26737	2.69E-03	3.70E-02	4.99E-03	8.44E-04	4.55E-02	2.45E-03	4.00E-08	6.65E-05	2.30E-05	2.54E-03	3.11E-03	3.70E-02	4.99E-03	8.44E-04	4.59E-02
5511	491592.62	3860510.76	0.64576	1.19442	0.7908	0.26215	2.61E-03	3.56E-02	5.04E-03	8.28E-04	4.41E-02	2.37E-03	3.85E-08	6.73E-05	2.26E-05	2.46E-03	3.02E-03	3.56E-02	5.04E-03	8.28E-04	4.45E-02
5512	491475.41	3860368.93	0.66918	1.32638	0.7603	0.26553	2.70E-03	3.96E-02	4.85E-03	8.38E-04	4.80E-02	2.46E-03	4.28E-08	6.47E-05	2.29E-05	2.55E-03	3.13E-03	3.96E-02	4.85E-03	8.38E-04	4.84E-02
5513	491445.61	3860337.28	0.67248	1.34332	0.7737	0.26823	2.72E-03	4.01E-02	4.93E-03	8.47E-04	4.86E-02	2.47E-03	4.33E-08	6.58E-05	2.31E-05	2.56E-03	3.14E-03	4.01E-02	4.93E-03	8.47E-04	4.90E-02
5514	491399.05	3860300.37	0.68121	1.34556	0.7878	0.27319	2.75E-03	4.01E-02	5.03E-03	8.63E-04	4.88E-02	2.50E-03	4.34E-08	6.70E-05	2.35E-05	2.60E-03	3.19E-03	4.01E-02	5.03E-03	8.63E-04	4.92E-02
5515	491228.84	3860235.98	0.7095	1.44896	0.8358	0.29406	2.87E-03	4.32E-02	5.33E-03	9.28E-04	5.24E-02	2.61E-03	4.67E-08	7.11E-05	2.53E-05	2.70E-03	3.32E-03	4.32E-02	5.33E-03	9.28E-04	5.28E-02
5516	491228.47	3860174.57	0.71376	1.50705	0.8339	0.29794	2.89E-03	4.50E-02	5.32E-03	9.41E-04	5.41E-02	2.62E-03	4.86E-08	7.09E-05	2.57E-05	2.72E-03	3.34E-03	4.50E-02	5.32E-03	9.41E-04	5.46E-02
5517	491145.77	3860112.55	0.73318	1.57145	0.8611	0.30404	2.96E-03	4.69E-02	5.49E-03	9.60E-04	5.63E-02	2.70E-03	5.06E-08	7.32E-05	2.62E-05	2.80E-03	3.43E-03	4.69E-02	5.49E-03	9.60E-04	5.68E-02
5518	490844.41	3859966.22	0.8006	1.729	1.0009	0.31919	3.24E-03	5.16E-02	6.38E-03	1.01E-03	6.22E-02	2.94E-03	5.57E-08	8.51E-05	2.75E-05	3.06E-03	3.74E-03	5.16E-02	6.38E-03	1.01E-03	6.27E-02
5519	490845.55	3859928.15	0.81655	1.73675	0.937	0.31902	3.30E-03	5.18E-02	5.98E-03	1.01E-03	6.21E-02	3.00E-03	5.60E-08	7.97E-05	2.75E-05	3.11E-03	3.82E-03	5.18E-02	5.98E-03	1.01E-03	6.26E-02
5520	490046.91	3859625.6	1.10641	2.3212	1.027	0.33816	4.47E-03	6.92E-02	6.55E-03	1.07E-03	8.13E-02	4.07E-03	7.48E-08	8.73E-05	2.91E-05	4.18E-03	5.17E-03	6.92E-02	6.55E-03	1.07E-03	8.20E-02
5521	489970.48	3859589.4	1.14721	2.41569	1.0657	0.35235	4.64E-03	7.21E-02	6.80E-03	1.11E-03	8.46E-02	4.22E-03	7.79E-08	9.06E-05	3.03E-05	4.34E-03	5.37E-03	7.21E-02	6.80E-03	1.11E-03	8.53E-02
5522	489865.89	3859529.06	1.20074	2.60206	1.0926	0.37532	4.85E-03	7.76E-02	6.97E-03	1.19E-03	9.06E-02	4.41E-03	8.39E-08	9.29E-05	3.23E-05	4.54E-03	5.62E-03	7.76E-02	6.97E-03	1.19E-03	9.14E-02
5523	489826.89	3859531.74	1.17282	2.68115	1.1433	0.38393	4.74E-03	8.00E-02	7.29E-03	1.21E-03	9.32E-02	4.31E-03	8.64E-08	9.72E-05	3.31E-05	4.44E-03	5.48E-03	8.00E-02	7.29E-03	1.21E-03	9.40E-02
5524	489410.47	3859303.06	1.32582	3.44828	1.0153	0.40568	5.36E-03	1.03E-01	6.48E-03	1.28E-03	1.16E-01	4.87E-03	1.11E-07	8.63E-05	3.49E-05	5.00E-03	6.20E-03	1.03E-01	6.48E-03	1.28E-03	1.17E-01
5525	489407.15	3859286.09	1.31297	3.44572	1.0439	0.39666	5.31E-03	1.03E-01	6.66E-03	1.25E-03	1.16E-01	4.83E-03	1.11E-07	8.88E-05	3.42E-05	4.95E-03	6.14E-03	1.03E-01	6.66E-03	1.25E-03	1.17E-01
5526	488806.07	3858963.62	1.54907	5.28819	1.1461	0.41977	6.26E-03	1.58E-01	7.31E-03	1.33E-03	1.73E-01	5.70E-03	1.70E-07	9.75E-05	3.61E-05	5.83E-03	7.24E-03	1.58E-01	7.31E-03	1.33E-03	1.74E-01
5527	488817.64	3859546.3	1.15775	6.04692	0.5435	0.96394	4.68E-03	1.80E-01	3.47E-03	3.04E-03	1.92E-01	4.26E-03	1.95E-07	4.62E-05	8.30E-05	4.39E-03	5.41E-03	1.80E-01	3.47E-03	3.04E-03	1.92E-01
5528	489187.25	3859549.52	1.30278	3.8028	0.9674	0.55752	5.27E-03	1.13E-01	6.17E-03	1.76E-03	1.27E-01	4.79E-03	1.23E-07	8.23E-05	4.80E-05	4.92E-03	6.09E-03	1.13E-01	6.17E-03	1.76E-03	1.27E-01
5529	489187.66	3859523.74	1.28871	3.87035	0.9949	0.55319	5.21E-03	1.15E-01	6.35E-03	1.75E-03	1.29E-01	4.74E-03	1.25E-07	8.46E-05	4.76E-05	4.87E-03	6.03E-03	1.15E-01	6.35E-03	1.75E-03	1.30E-01
5530	489232.59	3859522.85	1.28389	3.73216	1.0237	0.5159	5.19E-03	1.11E-01	6.53E-03	1.63E-03	1.25E-01	4.72E-03	1.20E-07	8.71E-05	4.44E-05	4.85E-03	6.00E-03	1.11E-01	6.53E-03	1.63E-03	1.26E-01
5531	489224.98	3859759.91	1.18584	3.31717	1.0053	0.62053	4.79E-03	9.90E-02	6.41E-03	1.96E-03	1.12E-01	4.36E-03	1.07E-07	8.55E-05	5.34E-05	4.50E-03	5.55E-03	9.90E-02	6.41E-03	1.96E-03	1.13E-01
5532	488401.39	3859763.34	1.17919	7.3081	0.2488	1.55375	4.77E-03	2.18E-01	1.59E-03	4.91E-03	2.29E-01	4.34E-03	2.36E-07	2.12E-05	1.34E-04	4.49E-03	5.51E-03	2.18E-01	1.59E-03	4.91E-03	2.30E-01
5533	488405.51	3859966.16	1.03148	7.32252	0.3333	0.91651	4.17E-03	2.18E-01	2.13E-03	2.89E-03	2.28E-01	3.79E-03	2.36E-07	2.83E-05	7.89E-05	3.90E-03	4.82E-03	2.18E-01	2.13E-03	2.89E-03	2.28E-01
5534	489202.85	3859956.57	0.99086	3.354	0.842	0.71974	4.01E-03	1.00E-01	5.37E-03	2.27E-03	1.12E-01	3.64E-03	1.08E-07	7.16E-05	6.20E-05	3.78E-03	4.63E-03	1.00E-01	5.37E-03	2.27E-03	1.12E-01
5535	489191.9	3860676.74	0.81613	3.36096	0.266	0.44797	3.30E-03	1.00E-01	1.70E-03	1.41E-03	1.07E-01	3.00E-03	1.08E-07	2.26E-05	3.86E-05	3.06E-03	3.82E-03	1.00E-01	1.70E-03	1.41E-03	1.07E-01
5536	488392.82	3860687.88	0.74338	3.56599	0.5509	0.42079	3.00E-03	1.06E-01	3.51E-03	1.33E-03	1.14E-01	2.73E-03	1.15E-07	4.69E-05	3.62E-05	2.82E-03	3.48E-03	1.06E-01	3.51E-03	1.33E-03	1.15E-01
5537	488392.82	3860760.27	0.72672	3.03658	0.5461	0.3615	2.94E-03	9.06E-02	3.48E-03	1.14E-03	9.82E-02	2.67E-03	9.79E-08	4.64E-05	3.11E-05	2.75E-03	3.40E-03	9.06E-02	3.48E-03	1.14E-03	9.86E-02
5538	487549.05	3860777.45	0.66212	2.65927	0.3477	0.33323	2.68E-03	7.93E-02	2.22E-03	1.05E-03	8.53E-02	2.43E-03	8.57E-08	2.96E-05	2.87E-05	2.49E-03	3.10E-03	7.93E-02	2.22E-03	1.05E-03	8.57E-02
5539	487554.62	3859571.83	1.03437	5.45967	0.364	0.7122	4.18E-03	1.63E-01	2.32E-03	2.25E-03	1.72E-01	3.80E-03	1.76E-07	3.10E-05	6.13E-05	3.90E-03	4.84E-03	1.63E-01	2.32E-03	2.25E-03	1.72E-01
5540	485949.46	3859558.54	0.71766	2.58136	1.0725	0.24925	2.90E-03	7.70E-02	6.84E-03	7.87E-04	8.75E-02	2.64E-03	8.32E-08	9.12E-05	2.15E-05	2.75E-03	3.36E-03	7.70E-02	6.84E-03	7.87E-04	8.80E-02
5541	485947.55	3857943.61	1.95714	3.4385	1.1287	0.25716	7.91E-03	1.03E-01	7.20E-03	8.12E-04	1.19E-01	7.20E-03	1.11E-07	9.60E-05	2.21E-05	7.31E-03	9.15E-03	1.03E-01	7.20E-03	8.12E-04	1.20E-01
5542	484738.38	3857940.21	1.79207	2.00945	0.8233	0.21142	7.24E-03	5.99E-02	5.25E-03	6.68E-04	7.31E-02	6.59E-03	6.48E-08	7.00E-05	1.82E-05	6.68E-03	8.38E-03	5.99E-02	5.25E-03	6.68E-04	7.42E-02
5543	484737.06	3857535.68	2.28489	3.08468	0.81	0.23931	9.24E-03	9.20E-02	5.17E-03	7.56E-04	1.07E-01	8.40E-03	9.94E-08	6.89E-05	2.06E-05	8.49E-03	1.07E-02	9.20E-02	5.17E-03	7.56E-04	1.09E-01
5544	483730.2	3857530.13	1.78668	2.27126	0.6579	0.52225	7.22E-03	6.78E-02	4.20E-03	1.65E-03	8.08E-02	6.57E-03	7.32E-08	5.59E-05	4.50E-05	6.67E-03	8.36E-03	6.78E-02	4.20E-03	1.65E-03	8.20E-02
5545	483727.27	3857130.01	1.97222	4.15739	0.86	0.40489	7.97E-03	1.24E-01	5.49E-03	1.28E-03	1.39E-01	7.25E-03	1.34E-07	7.31E-05	3.49E-05	7.36E-03	9.22E-03	1.24E-01	5.49E-03	1.28E-03	1.40E-01
5546	483124.42	3857123.45	1.73521	2.51246	0.7298	0.42316	7.01E-03	7.50E-02	4.65E-03	1.34E-03	8.80E-02	6.38E-03	8.10E-08	6.21E-05	3.64E-05	6.48E-03	8.11E-03	7.50E-02	4.65E-03	1.34E-03	8.91E-02
5547	483111.13	3855921.03	2.27493	3.89496	0.5533	0.64622	9.20E-03	1.16E-01	3.53E-03	2.04E-03	1.31E-01	8.36E-03	1.26E-07	4.71E-05	5.56E-05	8.47E-03	1.06E-02	1.16E-01	3.53E-03	2.04E-03	1.32E-01

5548	482701.73	3855918.24	1.90409	2.55508	0.6123	0.39364	7.70E-03	7.62E-02	3.91E-03	1.24E-03	8.91E-02	7.00E-03	8.24E-08	5.21E-05	3.39E-05	7.09E-03	8.90E-03	7.62E-02	3.91E-03	1.24E-03	9.03E-02
5549	482668.02	3853521.78	1.39388	0.46128	0.2353	0.21012	5.63E-03	1.38E-02	1.50E-03	6.63E-04	2.16E-02	5.12E-03	1.49E-08	2.00E-05	1.81E-05	5.16E-03	6.52E-03	1.38E-02	1.50E-03	6.63E-04	2.24E-02
5550	482579.91	3853219.19	1.5332	0.40976	0.2094	0.18477	6.20E-03	1.22E-02	1.34E-03	5.83E-04	2.03E-02	5.64E-03	1.32E-08	1.78E-05	1.59E-05	5.67E-03	7.17E-03	1.22E-02	1.34E-03	5.83E-04	2.13E-02
5551	482434.06	3852961.94	1.42762	0.39597	0.1832	0.16662	5.77E-03	1.18E-02	1.17E-03	5.26E-04	1.93E-02	5.25E-03	1.28E-08	1.56E-05	1.43E-05	5.28E-03	6.68E-03	1.18E-02	1.17E-03	5.26E-04	2.02E-02
5552	482332.11	3852832.85	1.40153	0.38906	0.1738	0.14582	5.67E-03	1.16E-02	1.11E-03	4.60E-04	1.88E-02	5.15E-03	1.25E-08	1.48E-05	1.26E-05	5.18E-03	6.55E-03	1.16E-02	1.11E-03	4.60E-04	1.97E-02
5553	481334.99	3851818.96	1.0273	0.38142	0.1288	0.11968	4.15E-03	1.14E-02	8.21E-04	3.78E-04	1.67E-02	3.78E-03	1.23E-08	1.10E-05	1.03E-05	3.80E-03	4.80E-03	1.14E-02	8.21E-04	3.78E-04	1.74E-02
5554	481127.62	3851646.36	0.95485	0.36246	0.1287	0.11508	3.86E-03	1.08E-02	8.21E-04	3.63E-04	1.59E-02	3.51E-03	1.17E-08	1.09E-05	9.91E-06	3.53E-03	4.47E-03	1.08E-02	8.21E-04	3.63E-04	1.65E-02
5555	481025.04	3851591.73	0.899	0.3367	0.1366	0.107	3.63E-03	1.00E-02	8.72E-04	3.38E-04	1.49E-02	3.31E-03	1.09E-08	1.16E-05	9.21E-06	3.33E-03	4.20E-03	1.00E-02	8.72E-04	3.38E-04	1.55E-02
5556	480513.6	3851335.76	0.76695	0.31871	0.1573	0.11126	3.10E-03	9.51E-03	1.00E-03	3.51E-04	1.40E-02	2.82E-03	1.03E-08	1.34E-05	9.58E-06	2.84E-03	3.59E-03	9.51E-03	1.00E-03	3.51E-04	1.44E-02
5557	480523.56	3851317.66	0.78598	0.31388	0.1541	0.10883	3.18E-03	9.36E-03	9.83E-04	3.44E-04	1.39E-02	2.89E-03	1.01E-08	1.31E-05	9.37E-06	2.91E-03	3.68E-03	9.36E-03	9.83E-04	3.44E-04	1.44E-02
5558	476921.56	3849569.11	0.39095	0.28607	0.0971	0.084	1.58E-03	8.53E-03	6.19E-04	2.65E-04	1.10E-02	1.44E-03	9.22E-09	8.26E-06	7.23E-06	1.45E-03	1.83E-03	8.53E-03	6.19E-04	2.65E-04	1.12E-02
5559	476521.19	3849373.96	0.38036	0.26097	0.0892	0.083	1.54E-03	7.79E-03	5.69E-04	2.62E-04	1.02E-02	1.40E-03	8.41E-09	7.59E-06	7.15E-06	1.41E-03	1.78E-03	7.79E-03	5.69E-04	2.62E-04	1.04E-02
5560	476391.45	3849333.38	0.40683	0.24895	0.0862	0.08288	1.64E-03	7.43E-03	5.50E-04	2.62E-04	9.88E-03	1.50E-03	8.02E-09	7.33E-06	7.14E-06	1.51E-03	1.90E-03	7.43E-03	5.50E-04	2.62E-04	1.01E-02
5561	476219.41	3849304.29	0.42126	0.23177	0.0815	0.08363	1.70E-03	6.91E-03	5.20E-04	2.64E-04	9.40E-03	1.55E-03	7.47E-09	6.93E-06	7.20E-06	1.56E-03	1.97E-03	6.91E-03	5.20E-04	2.64E-04	9.67E-03
5562	475679.11	3849218.47	0.40026	0.21415	0.0744	0.08341	1.62E-03	6.39E-03	4.74E-04	2.63E-04	8.74E-03	1.47E-03	6.90E-09	6.32E-06	7.18E-06	1.49E-03	1.87E-03	6.39E-03	4.74E-04	2.63E-04	9.00E-03
5563	475677.71	3849233.88	0.39543	0.21455	0.0756	0.08309	1.60E-03	6.40E-03	4.82E-04	2.62E-04	8.74E-03	1.45E-03	6.92E-09	6.43E-06	7.15E-06	1.47E-03	1.85E-03	6.40E-03	4.82E-04	2.62E-04	8.99E-03
5564	475492.74	3849204.66	0.38635	0.1433	0.0821	0.07895	1.56E-03	4.28E-03	5.24E-04	2.49E-04	6.61E-03	1.42E-03	4.62E-09	6.98E-06	6.80E-06	1.43E-03	1.81E-03	4.28E-03	5.24E-04	2.49E-04	6.85E-03
5565	475497.64	3849158.75	0.38102	0.16479	0.0772	0.08031	1.54E-03	4.92E-03	4.93E-04	2.54E-04	7.20E-03	1.40E-03	5.31E-09	6.57E-06	6.92E-06	1.41E-03	1.78E-03	4.92E-03	4.93E-04	2.54E-04	7.44E-03
5566	475391.35	3849141.94	0.38221	0.17506	0.0842	0.07797	1.54E-03	5.22E-03	5.37E-04	2.46E-04	7.55E-03	1.41E-03	5.64E-09	7.16E-06	6.71E-06	1.42E-03	1.79E-03	5.22E-03	5.37E-04	2.46E-04	7.79E-03
5567	475277	3849095.47	0.38461	0.17968	0.0892	0.07604	1.55E-03	5.36E-03	5.69E-04	2.40E-04	7.72E-03	1.41E-03	5.79E-09	7.58E-06	6.55E-06	1.43E-03	1.80E-03	5.36E-03	5.69E-04	2.40E-04	7.97E-03
5568	475183.93	3849025.66	0.37787	0.17743	0.0874	0.07536	1.53E-03	5.29E-03	5.57E-04	2.38E-04	7.62E-03	1.39E-03	5.72E-09	7.43E-06	6.49E-06	1.40E-03	1.77E-03	5.29E-03	5.57E-04	2.38E-04	7.86E-03
5569	474453.23	3848378.77	0.33025	0.16335	0.0679	0.0731	1.33E-03	4.87E-03	4.33E-04	2.31E-04	6.87E-03	1.21E-03	5.26E-09	5.77E-06	6.29E-06	1.23E-03	1.54E-03	4.87E-03	4.33E-04	2.31E-04	7.08E-03
5570	474569.63	3848399.34	0.35096	0.15847	0.063	0.07542	1.42E-03	4.73E-03	4.02E-04	2.38E-04	6.79E-03	1.29E-03	5.11E-09	5.36E-06	6.49E-06	1.30E-03	1.64E-03	4.73E-03	4.02E-04	2.38E-04	7.01E-03
5571	474644.33	3848464.52	0.3482	0.1613	0.0643	0.07571	1.41E-03	4.81E-03	4.10E-04	2.39E-04	6.87E-03	1.28E-03	5.20E-09	5.47E-06	6.52E-06	1.29E-03	1.63E-03	4.81E-03	4.10E-04	2.39E-04	7.09E-03
5572	474719.04	3848529.7	0.34516	0.16278	0.0656	0.07599	1.40E-03	4.86E-03	4.18E-04	2.40E-04	6.91E-03	1.27E-03	5.25E-09	5.58E-06	6.54E-06	1.28E-03	1.61E-03	4.86E-03	4.18E-04	2.40E-04	7.13E-03
5573	474793.74	3848594.88	0.34217	0.16059	0.0669	0.07627	1.38E-03	4.79E-03	4.26E-04	2.41E-04	6.84E-03	1.26E-03	5.18E-09	5.69E-06	6.57E-06	1.27E-03	1.60E-03	4.79E-03	4.26E-04	2.41E-04	7.06E-03
5574	474868.45	3848660.07	0.34652	0.15566	0.0683	0.07654	1.40E-03	4.64E-03	4.36E-04	2.42E-04	6.72E-03	1.27E-03	5.02E-09	5.81E-06	6.59E-06	1.29E-03	1.62E-03	4.64E-03	4.36E-04	2.42E-04	6.94E-03
5575	474943.15	3848725.25	0.35376	0.15409	0.07	0.07682	1.43E-03	4.60E-03	4.47E-04	2.43E-04	6.72E-03	1.30E-03	4.97E-09	5.96E-06	6.61E-06	1.31E-03	1.65E-03	4.60E-03	4.47E-04	2.43E-04	6.94E-03
5576	475017.86	3848790.43	0.36604	0.15735	0.0717	0.07712	1.48E-03	4.69E-03	4.57E-04	2.43E-04	6.87E-03	1.35E-03	5.07E-09	6.10E-06	6.64E-06	1.36E-03	1.71E-03	4.69E-03	4.57E-04	2.43E-04	7.11E-03
5577	475092.56	3848855.61	0.36637	0.16266	0.0725	0.07743	1.48E-03	4.85E-03	4.62E-04	2.44E-04	7.04E-03	1.35E-03	5.24E-09	6.16E-06	6.67E-06	1.36E-03	1.71E-03	4.85E-03	4.62E-04	2.44E-04	7.27E-03
5578	475232.58	3848959.38	0.37284	0.17148	0.0741	0.07846	1.51E-03	5.12E-03	4.73E-04	2.48E-04	7.34E-03	1.37E-03	5.53E-09	6.30E-06	6.76E-06	1.38E-03	1.74E-03	5.12E-03	4.73E-04	2.48E-04	7.58E-03
5579	475368.47	3849029.98	0.38559	0.17171	0.0735	0.08016	1.56E-03	5.12E-03	4.69E-04	2.53E-04	7.40E-03	1.42E-03	5.53E-09	6.25E-06	6.90E-06	1.43E-03	1.80E-03	5.12E-03	4.69E-04	2.53E-04	7.65E-03
5580	475609.57	3849096.09	0.39761	0.18622	0.0695	0.08158	1.61E-03	5.56E-03	4.43E-04	2.58E-04	7.86E-03	1.46E-03	6.00E-09	5.91E-06	7.02E-06	1.47E-03	1.86E-03	5.56E-03	4.43E-04	2.58E-04	8.12E-03
5581	475680.68	3849116.62	0.38743	0.19923	0.0709	0.07944	1.57E-03	5.94E-03	4.52E-04	2.51E-04	8.21E-03	1.42E-03	6.42E-09	6.03E-06	6.84E-06	1.44E-03	1.81E-03	5.94E-03	4.52E-04	2.51E-04	8.46E-03
5582	475843.76	3849151.52	0.4143	0.20762	0.0747	0.07709	1.67E-03	6.19E-03	4.76E-04	2.43E-04	8.59E-03	1.52E-03	6.69E-09	6.35E-06	6.64E-06	1.54E-03	1.94E-03	6.19E-03	4.76E-04	2.43E-04	8.85E-03
5583	475935.73	3849165.89	0.41341	0.21226	0.077	0.07924	1.67E-03	6.33E-03	4.91E-04	2.50E-04	8.74E-03	1.52E-03	6.84E-09	6.55E-06	6.82E-06	1.53E-03	1.93E-03	6.33E-03	4.91E-04	2.50E-04	9.01E-03
5584	476027.71	3849180.27	0.41132	0.22255	0.0794	0.08133	1.66E-03	6.64E-03	5.06E-04	2.57E-04	9.07E-03	1.51E-03	7.17E-09	6.75E-06	7.00E-06	1.53E-03	1.92E-03	6.64E-03	5.06E-04	2.57E-04	9.33E-03
5585	476119.68	3849194.64	0.39277	0.21316	0.0819	0.08333	1.59E-03	6.36E-03	5.22E-04	2.63E-04	8.73E-03	1.44E-03	6.87E-09	6.96E-06	7.18E-06	1.46E-03	1.84E-03	6.36E-03	5.22E-04	2.63E-04	8.98E-03
5586	476211.65	3849209.01	0.4009	0.21452	0.0844	0.08349	1.62E-03	6.40E-03	5.38E-04	2.64E-04	8.82E-03	1.47E-03	6.91E-09	7.18E-06	7.19E-06	1.49E-03	1.87E-03	6.40E-03	5.38E-04	2.64E-04	9.08E-03
5587	476497.8	3849283.9	0.35416	0.23932	0.0915	0.08279	1.43E-03	7.14E-03	5.84E-04	2.61E-04	9.42E-03	1.30E-03	7.71E-09	7.79E-06	7.13E-06	1.32E-03	1.66E-03	7.14E-03	5.84E-04	2.61E-04	9.64E-03
5588	476603.73	3849323.77	0.34871	0.24033	0.0939	0.08292	1.41E-03	7.17E-03	5.99E-04	2.62E-04	9.44E-03	1.28E-03	7.75E-09	7.98E-06	7.14E-06	1.30E-03	1.63E-03	7.17E-03	5.99E-04	2.62E-04	9.66E-03
5589	476728.99	3849382.76	0.36364	0.25482	0.0975	0.08293	1.47E-03	7.60E-03	6.22E-04	2.62E-04	9.96E-03	1.34E-03	8.21E-09	8.30E-06	7.14E-06	1.35E-03	1.70E-03	7.60E-03	6.22E-04	2.62E-04	1.02E-02
5590	476801.27	3849418.65	0.35162	0.25638	0.0996	0.08284	1.42E-03	7.65E-03	6.35E-04	2.62E-04	9.97E-03	1.29E-03	8.26E-09	8.47E-06	7.13E-06	1.31E-03	1.64E-03	7.65E-03	6.35E-04	2.62E-04	1.02E-02
5591	476956.2	3849495.05	0.37494	0.27247	0.1042	0.0824	1.52E-03	8.13E-03	6.64E-04	2.60E-04	1.06E-02	1.38E-03	8.78E-09	8.86E-06	7.10E-06	1.39E-03	1.75E-03	8.13E-03	6.64E-04	2.60E-04	1.08E-02
5592	477038.84	3849535.56	0.39733	0.28265	0.1067	0.08205	1.61E-03	8.43E-03	6.80E-04	2.59E-04	1.10E-02	1.46E-03	9.11E-09	9.07E-06	7.07E-06	1.48E-03	1.86E-03	8.43E-03	6.80E-04	2.59E-04	1.12E-02
5593	477121.48	3849576.08	0.38801	0.29067	0.1092	0.08156	1.57E-03	8.67E-03	6.97E-04	2.58E-04	1.12E-02	1.43E-03	9.37E-09	9.29E-06	7.02E-06	1.44E-03	1.81E-03	8.67E-03	6.97E-04	2.58E-04	1.14E-02
5594	477204.13	3849616.6	0.39063	0.28821	0.1118	0.081	1.58E-03	8.60E-03	7.13E-04	2.56E-04	1.11E-02	1.44E-03	9.29E-09	9.51E-06	6.97E-06	1.45E-03	1.83E-03	8.60E-03	7.13E-04	2.56E-04	1.14E-02
5595	477286.78	3849657.12	0.41776	0.27207	0.1144	0.08034	1.69E-03	8.12E-03	7.30E-04	2.54E-04	1.08E-02	1.54E-03	8.77E-09	9.73E-06	6.92E-06	1.55E-03	1.95E-03	8.12E-03	7.30E-04	2.54E-04	1.11E-02
5596	477369.42	3849697.63	0.41495	0.29552	0.1172	0.07932	1.68E-03	8.82E-03	7.48E-04	2.50E-04	1.15E-02	1.53E-03	9.52E-09	9.97E-06	6.83E-06	1.54E-03	1.94E-03	8.82E-03	7.48E-04	2.50E-04	1.18E-02
5597	477452.07	3849738.15	0.40837	0.29773	0.12	0.0786	1.65E-03	8.88E-03	7.65E-04	2.48E-04	1.15E-02	1.50E-03	9.60E-09	1.02E-05	6.77E-06	1.52E-03	1.91E-03	8.88E-03	7.65E-04	2.48E-04	1.18E-02
5598	477534.71	3849778.67	0.41185	0.31409	0.119	0.07752	1.66E-03	9.37E-03	7.59E-04	2.45E-04	1.20E-02	1.51E-03	1.01E-08	1.01E-05	6.68E-06	1.53E-03	1.93E-03	9.37E-03	7.59E-04	2.45E-04	1.23E-02
5599	477617.35	3849819.18	0.42579	0.31479	0.1161	0.07642	1.72E-03	9.39E-03	7.41E-04	2.41E-04	1.21E-02	1.57E-03	1.01E-08	9.88E-06	6.58E-06	1.58E-03	1.99E-03	9.39E-03	7.41E-04	2.41E-04	1.24E-02
5600	477824.74	3849896.37	0.44435	0.33491	0.1203	0.07195	1.80E-03	9.99E-03	7.67E-04	2.27E-04	1.28E-02	1.63E-03	1.08E-08	1.02E-05	6.20E-06	1.65E-03	2.08E-03	9.99E-03	7.67E-04	2.27E-04	1.31E-02
5601	477906.31	3849936.37	0.47037	0.31437	0.1224	0.07055	1.90E-03	9.38E-03	7.81E-04	2.23E-04	1.23E-02	1.73E-03	1.01E-08	1.04E-05	6.08E-06	1.75E-03	2.20E-03	9.38E-03	7.81E-04	2.23E-04	1.26E-02
5602	477987.89	3849976.36	0.47464	0.31724	0.1243	0.06895	1.92E-03	9.46E-03	7.93E-04	2.18E-04	1.24E-02	1.75E-03	1.02E-08	1.06E-05	5.94E-06	1.76E-03	2.22E-03	9.46E-03	7.93E-04	2.18E-04	1.27E-02
5603	478069.47	3850016.36	0.48093	0.297	0.1264	0.07132	1.94E-03	8.86E-03	8.06E-04	2.25E-04	1.18E-02	1.77E-03	9.57E-09	1.07E-05	6.14E-06	1.79E-03	2.25E-03	8.86E-03	8.06E-04	2.25E-04	1.21E-02
5604	478151.04	3850056.35	0.49916	0.27791	0.1285	0.07439	2.02E-03	8.29E-03	8.20E-04	2.35E-04	1.14E-02	1.84E-03	8.96E-09	1.09E-05	6.41E-06	1.85E-03	2.33E-03	8.29E-03	8.20E-04	2.35E-04	1.17E-02
5605	478232.62	3850096.35	0.49093	0.27511	0.1306	0.07807	1.98E-03	8.21E-03	8.33E-04	2.46E-04	1.13E-02	1.80E-03	8.87E-09	1.11E-05	6.72E-06	1.82E-03	2.30E-03	8.21E-03	8.33E-04	2.46E-04	1.16E-02
5606	478314.2	3850136.34	0.47923	0.28269	0.1326	0.08181	1.94E-03	8.43E-03	8.46E-04	2.58E-04	1.15E-02	1.76E-03	9.11E-09	1.13E-05	7.04E-06	1.78E-03	2.24E-03	8.43E-03	8.46E-04	2.58E-04	1.18E-02
5607	478395.77	3850176.34	0.47149	0.28754	0.1347	0.0856	1.91E-03	8.58E-03	8.59E-04	2.70E-04	1.16E-02	1.73E-03	9.27E-09	1.15E-05	7.37E-06	1.75E-03	2.20E-03	8.58E-03	8.59E-04	2.70E-04	1.19E-02
5608	478575.43	3850244.45	0.47847	0.266	0.1401	0.08664	1.93E-03	7.94E-03	8.94E-04	2.74E-04	1.10E-02	1.76E-03	8.57E-09	1.19E-05	7.46E-06	1.78E-03	2.24E-03	7.94E-03	8.94E-04	2.74E-04	1.13E-02

5609	478665.06	3850287.29	0.48174	0.26778	0.1425	0.08957	1.95E-03	7.99E-03	9.09E-04	2.83E-04	1.11E-02	1.77E-03	8.63E-09	1.21E-05	7.71E-06	1.79E-03	2.25E-03	7.99E-03	9.09E-04	2.83E-04	1.14E-02
5610	478754.69	3850330.14	0.45612	0.27044	0.145	0.09202	1.84E-03	8.07E-03	9.25E-04	2.91E-04	1.11E-02	1.68E-03	8.72E-09	1.23E-05	7.92E-06	1.70E-03	2.13E-03	8.07E-03	9.25E-04	2.91E-04	1.14E-02
5611	478844.32	3850372.99	0.42766	0.28207	0.1474	0.09484	1.73E-03	8.42E-03	9.40E-04	2.99E-04	1.14E-02	1.57E-03	9.09E-09	1.25E-05	8.17E-06	1.59E-03	2.00E-03	8.42E-03	9.40E-04	2.99E-04	1.17E-02
5612	478933.95	3850415.84	0.44657	0.28729	0.1498	0.09758	1.81E-03	8.57E-03	9.56E-04	3.08E-04	1.16E-02	1.64E-03	9.26E-09	1.27E-05	8.40E-06	1.66E-03	2.09E-03	8.57E-03	9.56E-04	3.08E-04	1.19E-02
5613	479023.58	3850458.68	0.47455	0.28285	0.1524	0.09987	1.92E-03	8.44E-03	9.72E-04	3.15E-04	1.16E-02	1.74E-03	9.12E-09	1.30E-05	8.60E-06	1.77E-03	2.22E-03	8.44E-03	9.72E-04	3.15E-04	1.19E-02
5614	479110.66	3850441.9	0.47859	0.29302	0.1569	0.0966	1.93E-03	8.74E-03	1.00E-03	3.05E-04	1.20E-02	1.76E-03	9.44E-09	1.33E-05	8.32E-06	1.78E-03	2.24E-03	8.74E-03	1.00E-03	3.05E-04	1.23E-02
5615	479191.22	3850423.99	0.49184	0.29399	0.1611	0.09319	1.99E-03	8.77E-03	1.03E-03	2.94E-04	1.21E-02	1.81E-03	9.48E-09	1.37E-05	8.02E-06	1.83E-03	2.30E-03	8.77E-03	1.03E-03	2.94E-04	1.24E-02
5616	479274.32	3850465.71	0.50805	0.29401	0.1603	0.09198	2.05E-03	8.77E-03	1.02E-03	2.90E-04	1.21E-02	1.87E-03	9.48E-09	1.36E-05	7.92E-06	1.89E-03	2.38E-03	8.77E-03	1.02E-03	2.90E-04	1.25E-02
5617	479357.43	3850507.42	0.53297	0.3096	0.1589	0.09069	2.15E-03	9.24E-03	1.01E-03	2.86E-04	1.27E-02	1.96E-03	9.98E-09	1.35E-05	7.81E-06	1.98E-03	2.49E-03	9.24E-03	1.01E-03	2.86E-04	1.30E-02
5618	479440.53	3850549.14	0.58277	0.30164	0.1573	0.08933	2.36E-03	9.00E-03	1.00E-03	2.82E-04	1.26E-02	2.14E-03	9.72E-09	1.34E-05	7.69E-06	2.16E-03	2.73E-03	9.00E-03	1.00E-03	2.82E-04	1.30E-02
5619	479523.64	3850590.85	0.58528	0.29184	0.1556	0.09043	2.37E-03	8.71E-03	9.92E-04	2.86E-04	1.24E-02	2.15E-03	9.41E-09	1.32E-05	7.79E-06	2.17E-03	2.74E-03	8.71E-03	9.92E-04	2.86E-04	1.27E-02
5620	479606.74	3850632.57	0.63122	0.28328	0.1537	0.0932	2.55E-03	8.45E-03	9.81E-04	2.94E-04	1.23E-02	2.32E-03	9.13E-09	1.31E-05	8.03E-06	2.34E-03	2.95E-03	8.45E-03	9.81E-04	2.94E-04	1.27E-02
5621	479777.37	3850707.61	0.6938	0.28157	0.1483	0.09951	2.80E-03	8.40E-03	9.46E-04	3.14E-04	1.25E-02	2.55E-03	9.08E-09	1.26E-05	8.57E-06	2.57E-03	3.24E-03	8.40E-03	9.46E-04	3.14E-04	1.29E-02
5622	479864.9	3850740.95	0.73584	0.27555	0.1446	0.10294	2.97E-03	8.22E-03	9.22E-04	3.25E-04	1.24E-02	2.71E-03	8.88E-09	1.23E-05	8.86E-06	2.73E-03	3.44E-03	8.22E-03	9.22E-04	3.25E-04	1.29E-02
5623	479931.87	3850829.56	0.71123	0.28431	0.1489	0.10422	2.87E-03	8.48E-03	9.50E-04	3.29E-04	1.26E-02	2.61E-03	9.16E-09	1.27E-05	8.97E-06	2.64E-03	3.33E-03	8.48E-03	9.50E-04	3.29E-04	1.31E-02
5624	479995.55	3850926.75	0.64182	0.30446	0.1546	0.10502	2.59E-03	9.08E-03	9.86E-04	3.32E-04	1.30E-02	2.36E-03	9.81E-09	1.31E-05	9.04E-06	2.38E-03	3.00E-03	9.08E-03	9.86E-04	3.32E-04	1.34E-02
5625	480079.78	3850968.64	0.67691	0.30194	0.1522	0.1083	2.74E-03	9.01E-03	9.71E-04	3.42E-04	1.31E-02	2.49E-03	9.73E-09	1.29E-05	9.33E-06	2.51E-03	3.17E-03	9.01E-03	9.71E-04	3.42E-04	1.35E-02
5626	480164.01	3851010.54	0.70812	0.30418	0.1497	0.11015	2.86E-03	9.07E-03	9.55E-04	3.48E-04	1.32E-02	2.60E-03	9.80E-09	1.27E-05	9.49E-06	2.63E-03	3.31E-03	9.07E-03	9.55E-04	3.48E-04	1.37E-02
5627	480248.23	3851052.43	0.73421	0.30448	0.1471	0.10727	2.97E-03	9.08E-03	9.38E-04	3.39E-04	1.33E-02	2.70E-03	9.81E-09	1.25E-05	9.24E-06	2.72E-03	3.43E-03	9.08E-03	9.38E-04	3.39E-04	1.38E-02
5628	480332.46	3851094.33	0.73841	0.30057	0.1443	0.10444	2.98E-03	8.97E-03	9.20E-04	3.30E-04	1.32E-02	2.71E-03	9.69E-09	1.23E-05	8.99E-06	2.74E-03	3.45E-03	8.97E-03	9.20E-04	3.30E-04	1.37E-02
5629	480416.69	3851136.22	0.72183	0.2922	0.1412	0.10168	2.92E-03	8.72E-03	9.01E-04	3.21E-04	1.29E-02	2.65E-03	9.42E-09	1.20E-05	8.76E-06	2.67E-03	3.38E-03	8.72E-03	9.01E-04	3.21E-04	1.33E-02
5630	480579.95	3851215.17	0.78123	0.30931	0.1336	0.10104	3.16E-03	9.23E-03	8.52E-04	3.19E-04	1.36E-02	2.87E-03	9.97E-09	1.14E-05	8.70E-06	2.89E-03	3.65E-03	9.23E-03	8.52E-04	3.19E-04	1.41E-02
5631	480658.98	3851252.22	0.81858	0.32406	0.1267	0.10354	3.31E-03	9.67E-03	8.08E-04	3.27E-04	1.41E-02	3.01E-03	1.04E-08	1.08E-05	8.92E-06	3.03E-03	3.83E-03	9.67E-03	8.08E-04	3.27E-04	1.46E-02
5632	480817.36	3851327.85	0.88414	0.32634	0.1135	0.10549	3.57E-03	9.74E-03	7.24E-04	3.33E-04	1.44E-02	3.25E-03	1.05E-08	9.65E-06	9.08E-06	3.27E-03	4.13E-03	9.74E-03	7.24E-04	3.33E-04	1.49E-02
5633	480896.72	3851366.42	0.91751	0.30878	0.1152	0.10362	3.71E-03	9.21E-03	7.35E-04	3.27E-04	1.40E-02	3.37E-03	9.95E-09	9.79E-06	8.92E-06	3.39E-03	4.29E-03	9.21E-03	7.35E-04	3.27E-04	1.46E-02
5634	480976.07	3851405	0.94102	0.31894	0.1163	0.1124	3.80E-03	9.52E-03	7.42E-04	3.55E-04	1.44E-02	3.46E-03	1.03E-08	9.89E-06	9.68E-06	3.48E-03	4.40E-03	9.52E-03	7.42E-04	3.55E-04	1.50E-02
5635	481178	3851487.31	0.96461	0.32643	0.1236	0.11526	3.90E-03	9.74E-03	7.88E-04	3.64E-04	1.48E-02	3.55E-03	1.05E-08	1.05E-05	9.93E-06	3.57E-03	4.51E-03	9.74E-03	7.88E-04	3.64E-04	1.54E-02
5636	481244.9	3851557.17	0.9836	0.32732	0.1242	0.11795	3.98E-03	9.77E-03	7.92E-04	3.72E-04	1.49E-02	3.62E-03	1.05E-08	1.06E-05	1.02E-05	3.64E-03	4.60E-03	9.77E-03	7.92E-04	3.72E-04	1.55E-02
5637	481311.81	3851627.03	1.0037	0.32513	0.1247	0.11913	4.06E-03	9.70E-03	7.95E-04	3.76E-04	1.49E-02	3.69E-03	1.05E-08	1.06E-05	1.03E-05	3.71E-03	4.69E-03	9.70E-03	7.95E-04	3.76E-04	1.56E-02
5638	481378.71	3851696.89	1.02356	0.32166	0.1251	0.12029	4.14E-03	9.60E-03	7.98E-04	3.80E-04	1.49E-02	3.76E-03	1.04E-08	1.06E-05	1.04E-05	3.78E-03	4.79E-03	9.60E-03	7.98E-04	3.80E-04	1.56E-02
5639	481445.61	3851766.76	1.0439	0.31864	0.1256	0.1214	4.22E-03	9.51E-03	8.01E-04	3.83E-04	1.49E-02	3.84E-03	1.03E-08	1.07E-05	1.05E-05	3.86E-03	4.88E-03	9.51E-03	8.01E-04	3.83E-04	1.56E-02
5640	481512.51	3851836.62	1.06552	0.3143	0.126	0.12249	4.31E-03	9.38E-03	8.04E-04	3.87E-04	1.49E-02	3.92E-03	1.01E-08	1.07E-05	1.05E-05	3.94E-03	4.98E-03	9.38E-03	8.04E-04	3.87E-04	1.56E-02
5641	481579.42	3851906.48	1.088	0.31037	0.1265	0.12353	4.40E-03	9.26E-03	8.07E-04	3.90E-04	1.49E-02	4.00E-03	1.00E-08	1.08E-05	1.06E-05	4.02E-03	5.09E-03	9.26E-03	8.07E-04	3.90E-04	1.55E-02
5642	481646.32	3851976.34	1.111	0.31297	0.1269	0.12452	4.49E-03	9.34E-03	8.09E-04	3.93E-04	1.50E-02	4.08E-03	1.01E-08	1.08E-05	1.07E-05	4.11E-03	5.20E-03	9.34E-03	8.09E-04	3.93E-04	1.57E-02
5643	481713.22	3852046.2	1.13674	0.31269	0.1272	0.13127	4.59E-03	9.33E-03	8.11E-04	4.14E-04	1.51E-02	4.18E-03	1.01E-08	1.08E-05	1.13E-05	4.20E-03	5.32E-03	9.33E-03	8.11E-04	4.14E-04	1.59E-02
5644	481780.12	3852116.06	1.16069	0.31682	0.1277	0.13256	4.69E-03	9.45E-03	8.14E-04	4.19E-04	1.54E-02	4.27E-03	1.02E-08	1.09E-05	1.14E-05	4.29E-03	5.43E-03	9.45E-03	8.14E-04	4.19E-04	1.61E-02
5645	481847.03	3852185.92	1.18404	0.32256	0.1282	0.12705	4.79E-03	9.62E-03	8.18E-04	4.01E-04	1.56E-02	4.35E-03	1.04E-08	1.09E-05	1.09E-05	4.37E-03	5.54E-03	9.62E-03	8.18E-04	4.01E-04	1.64E-02
5646	481913.93	3852255.78	1.20719	0.32848	0.1292	0.12771	4.88E-03	9.80E-03	8.24E-04	4.03E-04	1.59E-02	4.44E-03	1.06E-08	1.10E-05	1.10E-05	4.46E-03	5.65E-03	9.80E-03	8.24E-04	4.03E-04	1.67E-02
5647	481980.83	3852325.65	1.23005	0.3353	0.132	0.12426	4.97E-03	1.00E-02	8.42E-04	3.92E-04	1.62E-02	4.52E-03	1.08E-08	1.12E-05	1.07E-05	4.54E-03	5.75E-03	1.00E-02	8.42E-04	3.92E-04	1.70E-02
5648	482047.73	3852395.51	1.25815	0.33837	0.1347	0.12012	5.09E-03	1.01E-02	8.59E-04	3.79E-04	1.64E-02	4.63E-03	1.09E-08	1.15E-05	1.03E-05	4.65E-03	5.88E-03	1.01E-02	8.59E-04	3.79E-04	1.72E-02
5649	482114.64	3852465.37	1.28299	0.34289	0.1376	0.12255	5.19E-03	1.02E-02	8.77E-04	3.87E-04	1.67E-02	4.72E-03	1.11E-08	1.17E-05	1.06E-05	4.74E-03	6.00E-03	1.02E-02	8.77E-04	3.87E-04	1.75E-02
5650	482181.54	3852535.23	1.3171	0.3493	0.1404	0.12931	5.32E-03	1.04E-02	8.95E-04	4.08E-04	1.70E-02	4.84E-03	1.13E-08	1.19E-05	1.11E-05	4.87E-03	6.16E-03	1.04E-02	8.95E-04	4.08E-04	1.79E-02
5651	482338.69	3852700.04	1.39603	0.3726	0.1475	0.12973	5.64E-03	1.11E-02	9.41E-04	4.10E-04	1.81E-02	5.13E-03	1.20E-08	1.25E-05	1.12E-05	5.16E-03	6.53E-03	1.11E-02	9.41E-04	4.10E-04	1.90E-02
5652	482404.05	3852767.78	1.43143	0.37343	0.1504	0.12965	5.79E-03	1.11E-02	9.59E-04	4.09E-04	1.83E-02	5.26E-03	1.20E-08	1.28E-05	1.12E-05	5.29E-03	6.69E-03	1.11E-02	9.59E-04	4.09E-04	1.92E-02
5653	482469.4	3852835.52	1.4682	0.37794	0.1528	0.13235	5.93E-03	1.13E-02	9.75E-04	4.18E-04	1.86E-02	5.40E-03	1.22E-08	1.30E-05	1.14E-05	5.42E-03	6.87E-03	1.13E-02	9.75E-04	4.18E-04	1.95E-02
5654	482534.75	3852903.25	1.51179	0.38083	0.1555	0.13892	6.11E-03	1.14E-02	9.92E-04	4.39E-04	1.89E-02	5.56E-03	1.23E-08	1.32E-05	1.20E-05	5.58E-03	7.07E-03	1.14E-02	9.92E-04	4.39E-04	1.99E-02
5655	482600.11	3852970.98	1.55577	0.38489	0.1595	0.14334	6.29E-03	1.15E-02	1.02E-03	4.53E-04	1.92E-02	5.72E-03	1.24E-08	1.36E-05	1.23E-05	5.75E-03	7.28E-03	1.15E-02	1.02E-03	4.53E-04	2.02E-02
5656	482706.71	3853119.28	1.66045	0.41678	0.1725	0.15789	6.71E-03	1.24E-02	1.10E-03	4.99E-04	2.07E-02	6.10E-03	1.34E-08	1.47E-05	1.36E-05	6.13E-03	7.77E-03	1.24E-02	1.10E-03	4.99E-04	2.18E-02
5657	482747.96	3853199.84	1.69083	0.4342	0.1824	0.16863	6.83E-03	1.30E-02	1.16E-03	5.32E-04	2.15E-02	6.22E-03	1.40E-08	1.55E-05	1.45E-05	6.25E-03	7.91E-03	1.30E-02	1.16E-03	5.32E-04	2.26E-02
5658	482789.21	3853280.4	1.69113	0.44818	0.1924	0.17303	6.84E-03	1.34E-02	1.23E-03	5.46E-04	2.20E-02	6.22E-03	1.44E-08	1.64E-05	1.49E-05	6.25E-03	7.91E-03	1.34E-02	1.23E-03	5.46E-04	2.31E-02
5659	482830.46	3853360.96	1.6978	0.46408	0.2021	0.17962	6.86E-03	1.38E-02	1.29E-03	5.67E-04	2.26E-02	6.24E-03	1.50E-08	1.72E-05	1.55E-05	6.27E-03	7.94E-03	1.38E-02	1.29E-03	5.67E-04	2.36E-02
5660	482871.71	3853441.52	1.74778	0.47733	0.2115	0.18433	7.06E-03	1.42E-02	1.35E-03	5.82E-04	2.32E-02	6.43E-03	1.54E-08	1.80E-05	1.59E-05	6.46E-03	8.17E-03	1.42E-02	1.35E-03	5.82E-04	2.43E-02
5661	482912.95	3853522.07	1.82084	0.48278	0.2204	0.18578	7.36E-03	1.44E-02	1.41E-03	5.87E-04	2.38E-02	6.69E-03	1.56E-08	1.87E-05	1.60E-05	6.73E-03	8.52E-03	1.44E-02	1.41E-03	5.87E-04	2.49E-02
5662	482954.2	3853602.63	1.7722	0.48446	0.2287	0.17325	7.16E-03	1.45E-02	1.46E-03	5.47E-04	2.36E-02	6.52E-03	1.56E-08	1.95E-05	1.49E-05	6.55E-03	8.29E-03	1.45E-02	1.46E-03	5.47E-04	2.47E-02
5663	482995.45	3853683.19	1.88735	0.47749	0.2364	0.17456	7.63E-03	1.42E-02	1.51E-03	5.51E-04	2.39E-02	6.94E-03	1.54E-08	2.01E-05	1.50E-05	6.97E-03	8.83E-03	1.42E-02	1.51E-03	5.51E-04	2.51E-02
5664	483036.7	3853763.75	1.84273	0.47143	0.2432	0.17625	7.45E-03	1.41E-02	1.55E-03	5.56E-04	2.36E-02	6.77E-03	1.52E-08	2.07E-05	1.52E-05	6.81E-03	8.62E-03	1.41E-02	1.55E-03	5.56E-04	2.48E-02
5665	483214.2	3853909.91	2.14747	0.40347	0.248	0.18333	8.68E-03	1.20E-02	1.58E-03	5.79E-04	2.29E-02	7.90E-03	1.30E-08	2.11E-05	1.58E-05	7.93E-03	1.00E-02	1.20E-02	1.58E-03	5.79E-04	2.42E-02
5666	483307.01	3853910.44	2.43653	0.39221	0.2397	0.1873	9.85E-03	1.17E-02	1.53E-03	5.91E-04	2.37E-02	8.96E-03	1.26E-08	2.04E-05	1.61E-05	8.99E-03	1.14E-02	1.17E-02	1.53E-03	5.91E-04	2.52E-02
5667	483399.83	3853910.96	2.4199	0.37505	0.2278	0.17204	9.78E-03	1.12E-02	1.45E-03	5.43E-04	2.30E-02	8.90E-03	1.21E-08	1.94E-05	1.48E-05	8.93E-03	1.13E-02	1.12E-02	1.45E-03	5.43E-04	2.45E-02
5668	483494.52	3854009.24	2.55074	0.37792	0.234	0.18602	1.03E-02	1.13E-02	1.49E-03	5.87E-04	2.37E-02	9.38E-03	1.22E-08	1.99E-05	1.60E-05	9.41E-03	1.19E-02	1.13E-02	1.49E-03	5.87E-04	2.53E-02
5669	483496.41	3854106.98	2.78616	0.39284	0.2513	0.19059	1.13E-02	1.17E-02	1.60E-03	6.02E-04	2.52E-02	1.02E-02	1.27E-08	2.14E-05	1.64E-05	1.03E-02	1.30E-02	1.17E-02	1.60E-03	6.02E-04	2.70E-02

5670	483577.56	3854261.96	2.64665	0.37609	0.2649	0.24315	1.07E-02	1.12E-02	1.69E-03	7.68E-04	2.44E-02	9.73E-03	1.21E-08	2.25E-05	2.09E-05	9.77E-03	1.24E-02	1.12E-02	1.69E-03	7.68E-04	2.61E-02
5671	483656.83	3854319.19	2.83188	0.36129	0.2667	0.20037	1.14E-02	1.08E-02	1.70E-03	6.33E-04	2.46E-02	1.04E-02	1.16E-08	2.27E-05	1.73E-05	1.05E-02	1.32E-02	1.08E-02	1.70E-03	6.33E-04	2.64E-02
5672	483736.1	3854376.41	3.07514	0.32817	0.2684	0.25546	1.24E-02	9.79E-03	1.71E-03	8.07E-04	2.47E-02	1.13E-02	1.06E-08	2.28E-05	2.20E-05	1.14E-02	1.44E-02	9.79E-03	1.71E-03	8.07E-04	2.67E-02
5673	483815.36	3854433.64	3.23841	0.30262	0.2701	0.22594	1.31E-02	9.03E-03	1.72E-03	7.13E-04	2.46E-02	1.19E-02	9.75E-09	2.30E-05	1.95E-05	1.19E-02	1.51E-02	9.03E-03	1.72E-03	7.13E-04	2.66E-02
5674	483894.63	3854490.87	3.33438	0.28854	0.2718	0.24637	1.35E-02	8.61E-03	1.73E-03	7.78E-04	2.46E-02	1.23E-02	9.30E-09	2.31E-05	2.12E-05	1.23E-02	1.56E-02	8.61E-03	1.73E-03	7.78E-04	2.67E-02
5675	483973.9	3854548.1	3.62412	0.27636	0.2734	0.30863	1.46E-02	8.24E-03	1.74E-03	9.74E-04	2.56E-02	1.33E-02	8.91E-09	2.33E-05	2.66E-05	1.34E-02	1.69E-02	8.24E-03	1.74E-03	9.74E-04	2.79E-02
5676	484053.17	3854605.32	3.50701	0.26856	0.275	0.42219	1.42E-02	8.01E-03	1.75E-03	1.33E-03	2.53E-02	1.29E-02	8.66E-09	2.34E-05	3.64E-05	1.30E-02	1.64E-02	8.01E-03	1.75E-03	1.33E-03	2.75E-02
5677	484214.97	3854698.15	2.99418	0.25182	0.2736	0.43502	1.21E-02	7.51E-03	1.75E-03	1.37E-03	2.27E-02	1.10E-02	8.12E-09	2.33E-05	3.75E-05	1.11E-02	1.40E-02	7.51E-03	1.75E-03	1.37E-03	2.46E-02
5678	484297.5	3854733.74	3.24483	0.24603	0.2695	0.45278	1.31E-02	7.34E-03	1.72E-03	1.43E-03	2.36E-02	1.19E-02	7.93E-09	2.29E-05	3.90E-05	1.20E-02	1.52E-02	7.34E-03	1.72E-03	1.43E-03	2.57E-02
5679	484380.03	3854769.34	3.35229	0.23765	0.2641	0.4238	1.36E-02	7.09E-03	1.68E-03	1.34E-03	2.37E-02	1.23E-02	7.66E-09	2.25E-05	3.65E-05	1.24E-02	1.57E-02	7.09E-03	1.68E-03	1.34E-03	2.58E-02
5680	484462.56	3854804.94	3.6158	0.25063	0.2575	0.42781	1.46E-02	7.48E-03	1.64E-03	1.35E-03	2.51E-02	1.33E-02	8.08E-09	2.19E-05	3.68E-05	1.34E-02	1.69E-02	7.48E-03	1.64E-03	1.35E-03	2.74E-02
5681	484545.09	3854840.53	3.74893	0.25502	0.2496	0.38223	1.52E-02	7.61E-03	1.59E-03	1.21E-03	2.56E-02	1.38E-02	8.22E-09	2.12E-05	3.29E-05	1.38E-02	1.75E-02	7.61E-03	1.59E-03	1.21E-03	2.79E-02
5682	484691.88	3854912.58	4.35037	0.26611	0.24	0.30765	1.76E-02	7.94E-03	1.53E-03	9.71E-04	2.80E-02	1.60E-02	8.58E-09	2.04E-05	2.65E-05	1.60E-02	2.03E-02	7.94E-03	1.53E-03	9.71E-04	3.08E-02
5683	484830.81	3855012.51	4.80947	0.29242	0.2602	0.38834	1.94E-02	8.72E-03	1.66E-03	1.23E-03	3.11E-02	1.77E-02	9.42E-09	2.21E-05	3.34E-05	1.77E-02	2.25E-02	8.72E-03	1.66E-03	1.23E-03	3.41E-02
5684	484905.48	3855075.97	6.71422	0.33175	0.2679	0.39105	2.71E-02	9.90E-03	1.71E-03	1.23E-03	4.00E-02	2.47E-02	1.07E-08	2.28E-05	3.37E-05	2.47E-02	3.14E-02	9.90E-03	1.71E-03	1.23E-03	4.42E-02
5685	484980.14	3855139.44	9.18251	0.33923	0.2751	0.39059	3.71E-02	1.01E-02	1.75E-03	1.23E-03	5.02E-02	3.38E-02	1.09E-08	2.34E-05	3.36E-05	3.38E-02	4.29E-02	1.01E-02	1.75E-03	1.23E-03	5.61E-02
5686	485054.81	3855202.91	10.6687	0.34984	0.2784	0.3672	4.31E-02	1.04E-02	1.78E-03	1.16E-03	5.65E-02	3.92E-02	1.13E-08	2.37E-05	3.16E-05	3.93E-02	4.99E-02	1.04E-02	1.78E-03	1.16E-03	6.33E-02
5687	485129.48	3855266.37	10.8546	0.34654	0.287	0.49511	4.39E-02	1.03E-02	1.83E-03	1.56E-03	5.76E-02	3.99E-02	1.12E-08	2.44E-05	4.26E-05	4.00E-02	5.08E-02	1.03E-02	1.83E-03	1.56E-03	6.45E-02
5688	485204.15	3855329.84	12.649	0.37064	0.298	0.45003	5.11E-02	1.11E-02	1.90E-03	1.42E-03	6.55E-02	4.65E-02	1.19E-08	2.53E-05	3.88E-05	4.66E-02	5.92E-02	1.11E-02	1.90E-03	1.42E-03	7.35E-02
5689	485278.82	3855393.31	13.259	0.39034	0.3093	0.59948	5.36E-02	1.16E-02	1.97E-03	1.89E-03	6.91E-02	4.87E-02	1.26E-08	2.63E-05	5.16E-05	4.88E-02	6.20E-02	1.16E-02	1.97E-03	1.89E-03	7.75E-02
5690	485353.48	3855456.77	14.5444	0.4235	0.3201	0.67932	5.88E-02	1.26E-02	2.04E-03	2.14E-03	7.56E-02	5.35E-02	1.36E-08	2.72E-05	5.85E-05	5.36E-02	6.80E-02	1.26E-02	2.04E-03	2.14E-03	8.48E-02
5691	485428.15	3855520.24	14.963	0.44342	0.3299	0.5461	6.05E-02	1.32E-02	2.10E-03	1.72E-03	7.75E-02	5.50E-02	1.43E-08	2.81E-05	4.70E-05	5.51E-02	7.00E-02	1.32E-02	2.10E-03	1.72E-03	8.70E-02
5692	485502.82	3855583.71	15.4223	0.45809	0.3402	0.71016	6.23E-02	1.37E-02	2.17E-03	2.24E-03	8.04E-02	5.67E-02	1.48E-08	2.89E-05	6.12E-05	5.68E-02	7.21E-02	1.37E-02	2.17E-03	2.24E-03	9.02E-02
5693	485577.49	3855647.17	16.5109	0.49593	0.3511	0.58818	6.67E-02	1.48E-02	2.24E-03	1.86E-03	8.56E-02	6.07E-02	1.60E-08	2.99E-05	5.06E-05	6.08E-02	7.72E-02	1.48E-02	2.24E-03	1.86E-03	9.61E-02
5694	485652.16	3855710.64	17.5134	0.53929	0.3624	0.62587	7.08E-02	1.61E-02	2.31E-03	1.98E-03	9.12E-02	6.44E-02	1.74E-08	3.08E-05	5.39E-05	6.45E-02	8.19E-02	1.61E-02	2.31E-03	1.98E-03	1.02E-01
5695	485726.83	3855774.1	18.408	0.5676	0.374	0.67203	7.44E-02	1.69E-02	2.39E-03	2.12E-03	9.58E-02	6.77E-02	1.83E-08	3.18E-05	5.79E-05	6.78E-02	8.61E-02	1.69E-02	2.39E-03	2.12E-03	1.08E-01
5696	485801.49	3855837.57	18.0759	0.56436	0.3861	0.56608	7.31E-02	1.68E-02	2.46E-03	1.79E-03	9.42E-02	6.65E-02	1.82E-08	3.28E-05	4.87E-05	6.65E-02	8.45E-02	1.68E-02	2.46E-03	1.79E-03	1.06E-01
5697	485876.16	3855901.04	18.9444	0.57586	0.3987	0.67646	7.66E-02	1.72E-02	2.54E-03	2.14E-03	9.84E-02	6.96E-02	1.86E-08	3.39E-05	5.83E-05	6.97E-02	8.86E-02	1.72E-02	2.54E-03	2.14E-03	1.10E-01
5698	485950.83	3855964.5	18.1937	0.56256	0.4117	0.69935	7.35E-02	1.68E-02	2.63E-03	2.21E-03	9.52E-02	6.69E-02	1.81E-08	3.50E-05	6.02E-05	6.70E-02	8.51E-02	1.68E-02	2.63E-03	2.21E-03	1.07E-01
5699	486025.5	3856027.97	17.4368	0.54914	0.4253	0.68669	7.05E-02	1.64E-02	2.71E-03	2.17E-03	9.17E-02	6.41E-02	1.77E-08	3.62E-05	5.91E-05	6.42E-02	8.15E-02	1.64E-02	2.71E-03	2.17E-03	1.03E-01
5700	486100.17	3856091.44	19.1897	0.62243	0.4398	0.5877	7.76E-02	1.86E-02	2.81E-03	1.86E-03	1.01E-01	7.06E-02	2.01E-08	3.74E-05	5.06E-05	7.06E-02	8.97E-02	1.86E-02	2.81E-03	1.86E-03	1.13E-01
5701	486174.83	3856154.9	17.9012	0.60709	0.4546	0.53467	7.24E-02	1.81E-02	2.90E-03	1.69E-03	9.51E-02	6.58E-02	1.96E-08	3.87E-05	4.60E-05	6.59E-02	8.37E-02	1.81E-02	2.90E-03	1.69E-03	1.06E-01
5702	486249.5	3856218.37	15.5937	0.55267	0.4699	0.59172	6.30E-02	1.65E-02	3.00E-03	1.87E-03	8.44E-02	5.73E-02	1.78E-08	4.00E-05	5.10E-05	5.74E-02	7.29E-02	1.65E-02	3.00E-03	1.87E-03	9.43E-02
5703	486324.17	3856281.84	13.9717	0.53424	0.4849	0.55988	5.65E-02	1.59E-02	3.09E-03	1.77E-03	7.73E-02	5.14E-02	1.72E-08	4.12E-05	4.82E-05	5.15E-02	6.53E-02	1.59E-02	3.09E-03	1.77E-03	8.61E-02
5704	486398.84	3856345.3	14.4856	0.55913	0.4917	0.55267	5.86E-02	1.67E-02	3.14E-03	1.74E-03	8.01E-02	5.33E-02	1.80E-08	4.18E-05	4.76E-05	5.33E-02	6.77E-02	1.67E-02	3.14E-03	1.74E-03	8.93E-02
5705	486473.51	3856408.77	14.4631	0.5778	0.5216	0.54436	5.85E-02	1.72E-02	3.33E-03	1.72E-03	8.07E-02	5.32E-02	1.86E-08	4.44E-05	4.69E-05	5.33E-02	6.76E-02	1.72E-02	3.33E-03	1.72E-03	8.99E-02
5706	486548.17	3856472.24	15.002	0.61277	0.5421	0.54365	6.06E-02	1.83E-02	3.46E-03	1.72E-03	8.41E-02	5.52E-02	1.97E-08	4.61E-05	4.68E-05	5.52E-02	7.02E-02	1.83E-02	3.46E-03	1.72E-03	9.36E-02
5707	486622.84	3856535.7	15.6475	0.64198	0.5698	0.59856	6.33E-02	1.92E-02	3.63E-03	1.89E-03	8.79E-02	5.75E-02	2.07E-08	4.85E-05	5.15E-05	5.76E-02	7.32E-02	1.92E-02	3.63E-03	1.89E-03	9.79E-02
5708	486765.48	3856659.69	17.2709	0.73261	0.6039	0.62349	6.98E-02	2.19E-02	3.85E-03	1.97E-03	9.75E-02	6.35E-02	2.36E-08	5.14E-05	5.37E-05	6.36E-02	8.08E-02	2.19E-02	3.85E-03	1.97E-03	1.08E-01
5709	486833.44	3856720.2	17.9778	0.76452	0.6252	0.57177	7.27E-02	2.28E-02	3.99E-03	1.81E-03	1.01E-01	6.61E-02	2.46E-08	5.32E-05	4.92E-05	6.62E-02	8.41E-02	2.28E-02	3.99E-03	1.81E-03	1.13E-01
5710	486901.41	3856780.72	18.098	0.82945	0.6483	0.52687	7.32E-02	2.47E-02	4.14E-03	1.66E-03	1.04E-01	6.65E-02	2.67E-08	5.51E-05	4.54E-05	6.66E-02	8.46E-02	2.47E-02	4.14E-03	1.66E-03	1.15E-01
5711	486969.38	3856841.24	17.9453	0.88302	0.6733	0.50695	7.25E-02	2.63E-02	4.29E-03	1.60E-03	1.05E-01	6.60E-02	2.85E-08	5.73E-05	4.37E-05	6.61E-02	8.39E-02	2.63E-02	4.29E-03	1.60E-03	1.16E-01
5712	487037.34	3856901.75	17.812	0.92636	0.7002	0.48438	7.20E-02	2.76E-02	4.47E-03	1.53E-03	1.06E-01	6.55E-02	2.99E-08	5.95E-05	4.17E-05	6.56E-02	8.33E-02	2.76E-02	4.47E-03	1.53E-03	1.17E-01
5713	487271.23	3856855.51	11.5	0.86347	0.7896	0.46729	4.65E-02	2.58E-02	5.04E-03	1.48E-03	7.88E-02	4.23E-02	2.78E-08	6.72E-05	4.02E-05	4.24E-02	5.38E-02	2.58E-02	5.04E-03	1.48E-03	8.61E-02
5714	487368.96	3856857.29	10.1439	0.84484	0.7268	0.45707	4.10E-02	2.52E-02	4.64E-03	1.44E-03	7.23E-02	3.73E-02	2.72E-08	6.18E-05	3.94E-05	3.74E-02	4.74E-02	2.52E-02	4.64E-03	1.44E-03	7.87E-02
5715	487466.68	3856859.06	9.0067	0.84008	0.9057	0.44638	3.64E-02	2.51E-02	5.78E-03	1.41E-03	6.87E-02	3.31E-02	2.71E-08	7.70E-05	3.84E-05	3.32E-02	4.21E-02	2.51E-02	5.78E-03	1.41E-03	7.44E-02
5716	487636.44	3856930	7.48636	0.86152	1.1913	0.39503	3.03E-02	2.57E-02	7.60E-03	1.25E-03	6.48E-02	2.75E-02	2.78E-08	1.01E-04	3.40E-05	2.77E-02	3.50E-02	2.57E-02	7.60E-03	1.25E-03	6.96E-02
5717	487709.57	3856928.43	6.99487	0.86326	1.3169	0.38309	2.83E-02	2.58E-02	8.40E-03	1.21E-03	6.36E-02	2.57E-02	2.78E-08	1.12E-04	3.30E-05	2.59E-02	3.27E-02	2.58E-02	8.40E-03	1.21E-03	6.81E-02
5718	487782.54	3856841.96	6.66059	0.80319	1.2724	0.32794	2.69E-02	2.40E-02	8.12E-03	1.04E-03	6.00E-02	2.45E-02	2.59E-08	1.08E-04	2.82E-05	2.46E-02	3.11E-02	2.40E-02	8.12E-03	1.04E-03	6.43E-02
5719	487849.83	3856754.74	6.20174	0.76661	1.3115	0.32333	2.51E-02	2.29E-02	8.37E-03	1.02E-03	5.73E-02	2.28E-02	2.47E-08	1.12E-04	2.78E-05	2.29E-02	2.90E-02	2.29E-02	8.37E-03	1.02E-03	6.13E-02
5720	487918.03	3856819.39	5.96265	0.79522	1.2174	0.3165	2.41E-02	2.37E-02	7.77E-03	9.99E-04	5.66E-02	2.19E-02	2.56E-08	1.04E-04	2.73E-05	2.21E-02	2.79E-02	2.37E-02	7.77E-03	9.99E-04	6.04E-02
5721	487918.8	3856886.37	5.87083	0.84472	1.2252	0.32287	2.37E-02	2.52E-02	7.81E-03	1.02E-03	5.78E-02	2.16E-02	2.72E-08	1.04E-04	2.78E-05	2.17E-02	2.75E-02	2.52E-02	7.81E-03	1.02E-03	6.15E-02
5722	488065.47	3857127.5	4.79306	1.00349	1.3708	0.29728	1.94E-02	2.99E-02	8.74E-03	9.39E-04	5.90E-02	1.76E-02	3.23E-08	1.17E-04	2.56E-05	1.78E-02	2.24E-02	2.99E-02	8.74E-03	9.39E-04	6.20E-02
5723	488192.19	3857385.83	3.88602	1.14946	1.8881	0.27401	1.57E-02	3.43E-02	1.20E-02	8.65E-04	6.29E-02	1.43E-02	3.70E-08	1.61E-04	2.36E-05	1.45E-02	1.82E-02	3.43E-02	1.20E-02	8.65E-04	6.54E-02
5724	488191.22	3857473.87	4.11958	1.23099	2.119	0.25281	1.67E-02	3.67E-02	1.35E-02	7.98E-04	6.77E-02	1.51E-02	3.97E-08	1.80E-04	2.18E-05	1.53E-02	1.93E-02	3.67E-02	1.35E-02	7.98E-04	7.03E-02
5725	488190.24	3857561.9	3.71513	1.26623	2.4147	0.26973	1.50E-02	3.78E-02	1.54E-02	8.52E-04	6.90E-02	1.37E-02	4.08E-08	2.05E-04	2.32E-05	1.39E-02	1.74E-02	3.78E-02	1.54E-02	8.52E-04	7.14E-02
5726	488158.35	3857691.13	3.10224	1.34747	3.7343	0.26322	1.25E-02	4.02E-02	2.38E-02	8.31E-04	7.74E-02	1.14E-02	4.34E-08	3.18E-04	2.27E-05	1.17E-02	1.45E-02	4.02E-02	2.38E-02	8.31E-04	7.94E-02
5727	488208.37	3857816.66	2.72032	1.36265	6.9798	0.29099	1.10E-02	4.07E-02	4.45E-02	9.19E-04	9.71E-02	1.00E-02	4.39E-08	5.94E-04	2.51E-05	1.06E-02	1.27E-02	4.07E-02	4.45E-02	9.19E-04	9.88E-02
5728	488271.97	3857874.6	2.58492	1.34956	12.129	0.25356	1.04E-02	4.03E-02	7.74E-02	8.01E-04	1.29E-01	9.50E-03	4.35E-08	1.03E-03	2.18E-05	1.06E-02	1.21E-02	4.03E-02	7.74E-02	8.01E-04	1.31E-01
5729	488463.56	3857942.31	2.20084	1.36869	10.45	0.27428	8.90E-03	4.08E-02	6.67E-02	8.66E-04	1.17E-01	8.09E-03	4.41E-08	8.89E-04	2.36E-05	9.00E-03	1.03E-02	4.08E-02	6.67E-02	8.66E-04	1.19E-01
5730	488554.83	3857940.83	2.31825	1.39341	8.4371	0.26212	9.37E-03	4.16E-02	5.38E-02	8.28E-04	1.06E-01	8.52E-03	4.49E-08	7.18E-04	2.26E-05	9.26E-03	1.08E-02	4.16E-02	5.38E-02	8.28E-04	1.07E-01

5731	488646.1	3857939.36	2.27599	1.38342	7.1586	0.28127	9.20E-03	4.13E-02	4.57E-02	8.88E-04	9.70E-02	8.37E-03	4.46E-08	6.09E-04	2.42E-05	9.00E-03	1.06E-02	4.13E-02	4.57E-02	8.88E-04	9.85E-02
5732	488737.37	3857937.88	2.20807	1.38845	5.8545	0.27375	8.93E-03	4.14E-02	3.73E-02	8.64E-04	8.86E-02	8.12E-03	4.48E-08	4.98E-04	2.36E-05	8.64E-03	1.03E-02	4.14E-02	3.73E-02	8.64E-04	9.00E-02
5733	488733.59	3857960.57	2.20296	1.40081	6.2359	0.29408	8.90E-03	4.18E-02	3.98E-02	9.29E-04	9.14E-02	8.10E-03	4.51E-08	5.30E-04	2.53E-05	8.65E-03	1.03E-02	4.18E-02	3.98E-02	9.29E-04	9.28E-02
5734	488638.09	3857961.57	2.25286	1.39231	7.0948	0.28127	9.11E-03	4.15E-02	4.53E-02	8.88E-04	9.68E-02	8.28E-03	4.49E-08	6.03E-04	2.42E-05	8.91E-03	1.05E-02	4.15E-02	4.53E-02	8.88E-04	9.82E-02
5735	488542.6	3857962.56	2.27553	1.409	9.0419	0.26576	9.20E-03	4.20E-02	5.77E-02	8.39E-04	1.10E-01	8.37E-03	4.54E-08	7.69E-04	2.29E-05	9.16E-03	1.06E-02	4.20E-02	5.77E-02	8.39E-04	1.11E-01
5736	488447.1	3857963.56	2.24279	1.37739	11.323	0.26961	9.07E-03	4.11E-02	7.22E-02	8.51E-04	1.23E-01	8.25E-03	4.44E-08	9.63E-04	2.32E-05	9.23E-03	1.05E-02	4.11E-02	7.22E-02	8.51E-04	1.25E-01
5737	488254.28	3857890.36	2.66022	1.36557	12.903	0.26671	1.08E-02	4.07E-02	8.23E-02	8.42E-04	1.35E-01	9.78E-03	4.40E-08	1.10E-03	2.30E-05	1.09E-02	1.24E-02	4.07E-02	8.23E-02	8.42E-04	1.36E-01
5738	488191.69	3857833.06	2.7874	1.37602	7.1816	0.27961	1.13E-02	4.11E-02	4.58E-02	8.83E-04	9.90E-02	1.02E-02	4.43E-08	6.11E-04	2.41E-05	1.09E-02	1.30E-02	4.11E-02	4.58E-02	8.83E-04	1.01E-01
5739	488129.5	3857907.43	2.95896	1.44324	7.3447	0.32082	1.20E-02	4.31E-02	4.68E-02	1.01E-03	1.03E-01	1.09E-02	4.65E-08	6.25E-04	2.76E-05	1.15E-02	1.38E-02	4.31E-02	4.68E-02	1.01E-03	1.05E-01
5740	488196.47	3857968.73	2.77876	1.44978	13.167	0.30689	1.12E-02	4.33E-02	8.40E-02	9.69E-04	1.39E-01	1.02E-02	4.67E-08	1.12E-03	2.64E-05	1.14E-02	1.30E-02	4.33E-02	8.40E-02	9.69E-04	1.41E-01
5741	488263.44	3858030.04	2.6243	1.4896	19.742	0.38383	1.06E-02	4.44E-02	1.26E-01	1.21E-03	1.82E-01	9.65E-03	4.80E-08	1.68E-03	3.31E-05	1.14E-02	1.23E-02	4.44E-02	1.26E-01	1.21E-03	1.84E-01
5742	488400.64	3858132.9	2.3336	1.59827	17.629	0.36441	9.43E-03	4.77E-02	1.12E-01	1.15E-03	1.71E-01	8.58E-03	5.15E-08	1.50E-03	3.14E-05	1.01E-02	1.09E-02	4.77E-02	1.12E-01	1.15E-03	1.72E-01
5743	488519.89	3858218.38	2.11601	1.8042	10.165	0.39042	8.55E-03	5.38E-02	6.48E-02	1.23E-03	1.28E-01	7.78E-03	5.82E-08	8.65E-04	3.36E-05	8.68E-03	9.90E-03	5.38E-02	6.48E-02	1.23E-03	1.30E-01
5744	488647.97	3858214.99	2.03519	1.74048	8.0624	0.3454	8.23E-03	5.19E-02	5.14E-02	1.09E-03	1.13E-01	7.48E-03	5.61E-08	6.86E-04	2.97E-05	8.20E-03	9.52E-03	5.19E-02	5.14E-02	1.09E-03	1.14E-01
5745	488727.05	3858167.67	1.95417	1.64142	5.8028	0.34931	7.90E-03	4.90E-02	3.70E-02	1.10E-03	9.50E-02	7.18E-03	5.29E-08	4.94E-04	3.01E-05	7.71E-03	9.14E-03	4.90E-02	3.70E-02	1.10E-03	9.62E-02
5746	488806.12	3858120.35	1.92131	1.5467	5.242	0.34666	7.77E-03	4.61E-02	3.34E-02	1.09E-03	8.84E-02	7.06E-03	4.99E-08	4.46E-04	2.99E-05	7.54E-03	8.99E-03	4.61E-02	3.34E-02	1.09E-03	8.97E-02
5747	488885.2	3858073.03	2.02163	1.46204	4.6183	0.32822	8.17E-03	4.36E-02	2.95E-02	1.04E-03	8.23E-02	7.43E-03	4.71E-08	3.93E-04	2.83E-05	7.85E-03	9.45E-03	4.36E-02	2.95E-02	1.04E-03	8.36E-02
5748	489055.76	3857991.17	2.30442	1.31085	4.1099	0.32656	9.31E-03	3.91E-02	2.62E-02	1.03E-03	7.57E-02	8.47E-03	4.22E-08	3.50E-04	2.81E-05	8.85E-03	1.08E-02	3.91E-02	2.62E-02	1.03E-03	7.71E-02
5749	489245.39	3857944.54	2.3777	1.20914	3.5975	0.32003	9.61E-03	3.61E-02	2.29E-02	1.01E-03	6.96E-02	8.74E-03	3.90E-08	3.06E-04	2.76E-05	9.08E-03	1.11E-02	3.61E-02	2.29E-02	1.01E-03	7.11E-02
5750	489430.63	3857930.91	2.21361	1.1488	3.065	0.259	8.95E-03	3.43E-02	1.96E-02	8.18E-04	6.36E-02	8.14E-03	3.70E-08	2.61E-04	2.23E-05	8.42E-03	1.04E-02	3.43E-02	1.96E-02	8.18E-04	6.50E-02
5751	489517.74	3857929.36	2.11531	1.12597	2.9237	0.24536	8.55E-03	3.36E-02	1.86E-02	7.75E-04	6.16E-02	7.78E-03	3.63E-08	2.49E-04	2.11E-05	8.05E-03	9.89E-03	3.36E-02	1.86E-02	7.75E-04	6.29E-02
5752	489604.85	3857927.82	2.01077	1.0825	2.86	0.23752	8.13E-03	3.23E-02	1.82E-02	7.50E-04	5.94E-02	7.39E-03	3.49E-08	2.43E-04	2.05E-05	7.66E-03	9.40E-03	3.23E-02	1.82E-02	7.50E-04	6.07E-02
5753	489691.97	3857926.28	1.89833	1.07644	2.8497	0.22762	7.67E-03	3.21E-02	1.82E-02	7.19E-04	5.87E-02	6.98E-03	3.47E-08	2.42E-04	1.96E-05	7.24E-03	8.88E-03	3.21E-02	1.82E-02	7.19E-04	5.99E-02
5754	489779.08	3857924.73	1.78565	1.06267	2.726	0.22932	7.22E-03	3.17E-02	1.74E-02	7.24E-04	5.70E-02	6.56E-03	3.43E-08	2.32E-04	1.97E-05	6.82E-03	8.35E-03	3.17E-02	1.74E-02	7.24E-04	5.82E-02
5755	490017.54	3857875.08	1.59092	0.95432	2.3912	0.22477	6.43E-03	2.85E-02	1.53E-02	7.10E-04	5.09E-02	5.85E-03	3.08E-08	2.03E-04	1.94E-05	6.07E-03	7.44E-03	2.85E-02	1.53E-02	7.10E-04	5.19E-02
5756	490033.82	3857960.81	1.60276	1.00055	2.2896	0.23975	6.48E-03	2.98E-02	1.46E-02	7.57E-04	5.17E-02	5.89E-03	3.22E-08	1.95E-04	2.06E-05	6.11E-03	7.50E-03	2.98E-02	1.46E-02	7.57E-04	5.27E-02
5757	489959.15	3857987.49	1.6736	1.05129	2.3191	0.2365	6.77E-03	3.14E-02	1.48E-02	7.47E-04	5.37E-02	6.15E-03	3.39E-08	1.97E-04	2.04E-05	6.37E-03	7.83E-03	3.14E-02	1.48E-02	7.47E-04	5.47E-02
5758	489791.49	3858016.12	1.93187	1.09954	2.5188	0.22876	7.81E-03	3.28E-02	1.61E-02	7.22E-04	5.74E-02	7.10E-03	3.54E-08	2.14E-04	1.97E-05	7.34E-03	9.03E-03	3.28E-02	1.61E-02	7.22E-04	5.86E-02
5759	489698.51	3858018.07	2.03654	1.13166	2.5969	0.23413	8.23E-03	3.38E-02	1.66E-02	7.39E-04	5.93E-02	7.49E-03	3.65E-08	2.21E-04	2.02E-05	7.73E-03	9.52E-03	3.38E-02	1.66E-02	7.39E-04	6.06E-02
5760	489605.52	3858020.02	2.13022	1.15645	2.7372	0.24717	8.61E-03	3.45E-02	1.75E-02	7.80E-04	6.14E-02	7.83E-03	3.73E-08	2.33E-04	2.13E-05	8.09E-03	9.96E-03	3.45E-02	1.75E-02	7.80E-04	6.27E-02
5761	489512.53	3858021.96	2.20849	1.17159	2.912	0.24481	8.93E-03	3.50E-02	1.86E-02	7.73E-04	6.32E-02	8.12E-03	3.78E-08	2.48E-04	2.11E-05	8.39E-03	1.03E-02	3.50E-02	1.86E-02	7.73E-04	6.46E-02
5762	489419.55	3858023.91	2.2604	1.1978	2.9992	0.24076	9.14E-03	3.57E-02	1.91E-02	7.60E-04	6.48E-02	8.31E-03	3.86E-08	2.55E-04	2.07E-05	8.59E-03	1.06E-02	3.57E-02	1.91E-02	7.60E-04	6.62E-02
5763	489228.47	3858041.29	2.27371	1.27101	3.4507	0.27163	9.19E-03	3.79E-02	2.20E-02	8.58E-04	7.00E-02	8.36E-03	4.10E-08	2.93E-04	2.34E-05	8.68E-03	1.06E-02	3.79E-02	2.20E-02	8.58E-04	7.14E-02
5764	489065.75	3858085.78	2.00205	1.3925	4.0568	0.29686	8.09E-03	4.15E-02	2.59E-02	9.37E-04	7.64E-02	7.36E-03	4.49E-08	3.45E-04	2.56E-05	7.73E-03	9.36E-03	4.15E-02	2.59E-02	9.37E-04	7.77E-02
5765	489001.12	3858114.86	1.95897	1.45633	4.2608	0.30057	7.92E-03	4.34E-02	2.72E-02	9.49E-04	7.95E-02	7.20E-03	4.69E-08	3.62E-04	2.59E-05	7.59E-03	9.16E-03	4.34E-02	2.72E-02	9.49E-04	8.07E-02
5766	488861.89	3858189.81	1.80373	1.56157	5.0753	0.30997	7.29E-03	4.66E-02	3.24E-02	9.79E-04	8.72E-02	6.63E-03	5.03E-08	4.32E-04	2.67E-05	7.09E-03	8.44E-03	4.66E-02	3.24E-02	9.79E-04	8.84E-02
5767	488787.28	3858235.69	1.90705	1.67586	5.2254	0.31065	7.71E-03	5.00E-02	3.33E-02	9.81E-04	9.20E-02	7.01E-03	5.40E-08	4.44E-04	2.68E-05	7.48E-03	8.92E-03	5.00E-02	3.33E-02	9.81E-04	9.32E-02
5768	488712.68	3858281.57	2.00711	1.76982	6.784	0.31502	8.11E-03	5.28E-02	4.33E-02	9.95E-04	1.05E-01	7.38E-03	5.70E-08	5.77E-04	2.71E-05	7.98E-03	9.39E-03	5.28E-02	4.33E-02	9.95E-04	1.06E-01
5769	488654.39	3858436.17	1.94895	2.09106	4.0296	0.34125	7.88E-03	6.24E-02	2.57E-02	1.08E-03	9.70E-02	7.17E-03	6.74E-08	3.43E-04	2.94E-05	7.54E-03	9.11E-03	6.24E-02	2.57E-02	1.08E-03	9.83E-02
5770	488726.3	3858505.26	1.86351	2.16866	3.0883	0.37818	7.53E-03	6.47E-02	1.97E-02	1.19E-03	9.31E-02	6.85E-03	6.99E-08	2.63E-04	3.26E-05	7.15E-03	8.71E-03	6.47E-02	1.97E-02	1.19E-03	9.43E-02
5771	488880.6	3858599.28	1.70759	2.42037	2.6002	0.36262	6.90E-03	7.22E-02	1.66E-02	1.14E-03	9.68E-02	6.28E-03	7.80E-08	2.21E-04	3.12E-05	6.53E-03	7.99E-03	7.22E-02	1.66E-02	1.14E-03	9.79E-02
5772	489008.06	3858714.75	1.59178	2.69169	1.7578	0.38512	6.43E-03	8.03E-02	1.12E-02	1.22E-03	9.92E-02	5.85E-03	8.68E-08	1.49E-04	3.32E-05	6.03E-03	7.44E-03	8.03E-02	1.12E-02	1.22E-03	1.00E-01
5773	489071.48	3858772.72	1.53917	2.74337	1.5507	0.37125	6.22E-03	8.18E-02	9.89E-03	1.17E-03	9.91E-02	5.66E-03	8.84E-08	1.32E-04	3.20E-05	5.82E-03	7.20E-03	8.18E-02	9.89E-03	1.17E-03	1.00E-01
5774	489244.59	3858920.19	1.44269	3.00877	1.4173	0.35267	5.83E-03	8.98E-02	9.04E-03	1.11E-03	1.06E-01	5.30E-03	9.70E-08	1.21E-04	3.04E-05	5.46E-03	6.75E-03	8.98E-02	9.04E-03	1.11E-03	1.07E-01
5775	489239.69	3858952.23	1.54151	3.10293	1.2905	0.36645	6.23E-03	9.26E-02	8.23E-03	1.16E-03	1.08E-01	5.67E-03	1.00E-07	1.10E-04	3.16E-05	5.81E-03	7.21E-03	9.26E-02	8.23E-03	1.16E-03	1.09E-01
5776	489121.67	3858854.49	1.60137	2.97598	1.4534	0.39076	6.47E-03	8.88E-02	9.27E-03	1.23E-03	1.06E-01	5.89E-03	9.59E-08	1.24E-04	3.36E-05	6.04E-03	7.49E-03	8.88E-02	9.27E-03	1.23E-03	1.07E-01
5777	489059.59	3858797.27	1.61854	2.85237	1.3729	0.38975	6.54E-03	8.51E-02	8.76E-03	1.23E-03	1.02E-01	5.95E-03	9.19E-08	1.17E-04	3.36E-05	6.10E-03	7.57E-03	8.51E-02	8.76E-03	1.23E-03	1.03E-01
5778	488997.52	3858740.04	1.63668	2.79445	1.5855	0.3884	6.62E-03	8.34E-02	1.01E-02	1.23E-03	1.01E-01	6.02E-03	9.01E-08	1.35E-04	3.34E-05	6.19E-03	7.65E-03	8.34E-02	1.01E-02	1.23E-03	1.02E-01
5779	488935.44	3858682.82	1.65359	2.68255	1.7986	0.39127	6.68E-03	8.00E-02	1.15E-02	1.24E-03	9.94E-02	6.08E-03	8.65E-08	1.53E-04	3.37E-05	6.27E-03	7.73E-03	8.00E-02	1.15E-02	1.24E-03	1.00E-01
5780	488869.17	3858848.43	1.70015	3.80251	1.3363	0.39166	6.87E-03	1.13E-01	8.52E-03	1.24E-03	1.30E-01	6.25E-03	1.23E-07	1.14E-04	3.37E-05	6.40E-03	7.95E-03	1.13E-01	8.52E-03	1.24E-03	1.31E-01
5781	488932.48	3858892.69	1.6443	3.93695	1.213	0.38921	6.65E-03	1.17E-01	7.74E-03	1.23E-03	1.33E-01	6.05E-03	1.27E-07	1.03E-04	3.35E-05	6.18E-03	7.69E-03	1.17E-01	7.74E-03	1.23E-03	1.34E-01
5782	489063.27	3858977.17	1.52306	3.86555	1.1071	0.39462	6.16E-03	1.15E-01	7.06E-03	1.25E-03	1.30E-01	5.60E-03	1.25E-07	9.42E-05	3.40E-05	5.73E-03	7.12E-03	1.15E-01	7.06E-03	1.25E-03	1.31E-01
5783	489248.2	3859117.15	1.38224	3.62542	1.058	0.34604	5.59E-03	1.08E-01	6.75E-03	1.09E-03	1.22E-01	5.08E-03	1.17E-07	9.00E-05	2.98E-05	5.20E-03	6.46E-03	1.08E-01	6.75E-03	1.09E-03	1.22E-01
5784	489296.25	3859049.22	1.51921	3.27061	1.1928	0.33443	6.14E-03	9.76E-02	7.61E-03	1.06E-03	1.12E-01	5.59E-03	1.05E-07	1.01E-04	2.88E-05	5.72E-03	7.10E-03	9.76E-02	7.61E-03	1.06E-03	1.13E-01
5785	489353.38	3858993.96	1.34926	2.97253	1.3586	0.32949	5.45E-03	8.87E-02	8.67E-03	1.04E-03	1.04E-01	4.96E-03	9.58E-08	1.16E-04	2.84E-05	5.10E-03	6.31E-03	8.87E-02	8.67E-03	1.04E-03	1.05E-01
5786	489537.24	3859120.22	1.25659	2.80378	1.314	0.35721	5.08E-03	8.36E-02	8.38E-03	1.13E-03	9.82E-02	4.62E-03	9.04E-08	1.12E-04	3.08E-05	4.76E-03	5.88E-03	8.36E-02	8.38E-03	1.13E-03	9.90E-02
5787	489726.98	3859246.04	1.18729	2.74603	1.2935	0.37751	4.80E-03	8.19E-02	8.25E-03	1.19E-03	9.62E-02	4.37E-03	8.85E-08	1.10E-04	3.25E-05	4.51E-03	5.55E-03	8.19E-02	8.25E-03	1.19E-03	9.69E-02
5788	489911.46	3859366.33	1.08512	2.58703	1.2867	0.33584	4.39E-03	7.72E-02	8.21E-03	1.06E-03	9.08E-02	3.99E-03	8.34E-08	1.09E-04	2.89E-05	4.13E-03	5.07E-03	7.72E-02	8.21E-03	1.06E-03	9.15E-02
5789	490035.3	3859430.26	1.0154	2.45021	1.2127	0.32937	4.10E-03	7.31E-02	7.74E-03	1.04E-03	8.60E-02	3.73E-03	7.90E-08	1.03E-04	2.84E-05	3.86E-03	4.75E-03	7.31E-02	7.74E-03	1.04E-03	8.66E-02
5790	490101.11	3859458.61	0.99776	2.36182	1.1925	0.32592	4.03E-03	7.05E-02	7.61E-03	1.03E-03	8.31E-02	3.67E-03	7.61E-08	1.01E-04	2.81E-05	3.80E-03	4.67E-03	7.05E-02	7.61E-03	1.03E-03	8.38E-02
5791	490312.68	3859560.3	0.94705	2.10698	1.1383	0.32102	3.83E-03	6.29E-02	7.26E-03	1.01E-03	7.50E-02	3.48E-03	6.79E-08	9.68E-05	2.76E-05	3.61E-03	4.43E-03	6.29E-02	7.26E-03	1.01E-03	7.56E-02

5792	490401.63	3859603.12	0.92497	2.02333	1.1032	0.30449	3.74E-03	6.04E-02	7.04E-03	9.61E-04	7.21E-02	3.40E-03	6.52E-08	9.38E-05	2.62E-05	3.52E-03	4.33E-03	6.04E-02	7.04E-03	9.61E-04	7.27E-02
5793	490490.57	3859645.94	0.89985	1.93715	1.0871	0.30745	3.64E-03	5.78E-02	6.93E-03	9.71E-04	6.93E-02	3.31E-03	6.24E-08	9.25E-05	2.65E-05	3.43E-03	4.21E-03	5.78E-02	6.93E-03	9.71E-04	6.99E-02
5794	490579.51	3859688.76	0.89734	1.85079	1.0764	0.30176	3.63E-03	5.52E-02	6.87E-03	9.53E-04	6.67E-02	3.30E-03	5.97E-08	9.15E-05	2.60E-05	3.42E-03	4.20E-03	5.52E-02	6.87E-03	9.53E-04	6.72E-02
5795	490668.45	3859731.58	0.9027	1.75765	1.0682	0.30335	3.65E-03	5.24E-02	6.81E-03	9.58E-04	6.39E-02	3.32E-03	5.67E-08	9.08E-05	2.61E-05	3.44E-03	4.22E-03	5.24E-02	6.81E-03	9.58E-04	6.44E-02
5796	490757.4	3859774.4	0.89849	1.72202	1.0529	0.30241	3.63E-03	5.14E-02	6.72E-03	9.55E-04	6.27E-02	3.30E-03	5.55E-08	8.95E-05	2.60E-05	3.42E-03	4.20E-03	5.14E-02	6.72E-03	9.55E-04	6.32E-02
5797	491003.53	3859861.82	0.84836	1.58359	1.0585	0.30065	3.43E-03	4.72E-02	6.75E-03	9.49E-04	5.84E-02	3.12E-03	5.10E-08	9.00E-05	2.59E-05	3.23E-03	3.97E-03	4.72E-02	6.75E-03	9.49E-04	5.89E-02
5798	491081.41	3859879.05	0.82653	1.56099	1.1411	0.2974	3.34E-03	4.66E-02	7.28E-03	9.39E-04	5.81E-02	3.04E-03	5.03E-08	9.70E-05	2.56E-05	3.16E-03	3.87E-03	4.66E-02	7.28E-03	9.39E-04	5.87E-02
5799	491229.76	3859917.82	0.80685	1.51718	1.0816	0.28597	3.26E-03	4.53E-02	6.90E-03	9.03E-04	5.63E-02	2.97E-03	4.89E-08	9.20E-05	2.46E-05	3.08E-03	3.77E-03	4.53E-02	6.90E-03	9.03E-04	5.68E-02
5800	491300.22	3859939.35	0.79788	1.49688	1.0292	0.27989	3.23E-03	4.47E-02	6.56E-03	8.84E-04	5.53E-02	2.93E-03	4.82E-08	8.75E-05	2.41E-05	3.05E-03	3.73E-03	4.47E-02	6.56E-03	8.84E-04	5.58E-02
5801	491350.48	3860012.03	0.75351	1.47398	0.9896	0.28811	3.05E-03	4.40E-02	6.31E-03	9.10E-04	5.42E-02	2.77E-03	4.75E-08	8.42E-05	2.48E-05	2.88E-03	3.52E-03	4.40E-02	6.31E-03	9.10E-04	5.47E-02
5802	491406.82	3860092.56	0.73698	1.45546	0.9361	0.29695	2.98E-03	4.34E-02	5.97E-03	9.38E-04	5.33E-02	2.71E-03	4.69E-08	7.96E-05	2.56E-05	2.81E-03	3.45E-03	4.34E-02	5.97E-03	9.38E-04	5.38E-02
5803	491483.36	3860121.96	0.71665	1.41544	0.9736	0.29169	2.90E-03	4.22E-02	6.21E-03	9.21E-04	5.23E-02	2.63E-03	4.56E-08	8.28E-05	2.51E-05	2.74E-03	3.35E-03	4.22E-02	6.21E-03	9.21E-04	5.27E-02
5804	491559.91	3860151.35	0.71502	1.37385	0.9254	0.27993	2.89E-03	4.10E-02	5.90E-03	8.84E-04	5.07E-02	2.63E-03	4.43E-08	7.87E-05	2.41E-05	2.73E-03	3.34E-03	4.10E-02	5.90E-03	8.84E-04	5.11E-02
5805	491711.81	3860237.76	0.72077	1.23948	0.9962	0.27096	2.91E-03	3.70E-02	6.35E-03	8.56E-04	4.71E-02	2.65E-03	3.99E-08	8.47E-05	2.33E-05	2.76E-03	3.37E-03	3.70E-02	6.35E-03	8.56E-04	4.76E-02
5806	491755.2	3860319.07	0.66289	1.23149	0.8668	0.26372	2.68E-03	3.67E-02	5.53E-03	8.33E-04	4.58E-02	2.44E-03	3.97E-08	7.37E-05	2.27E-05	2.53E-03	3.10E-03	3.67E-02	5.53E-03	8.33E-04	4.62E-02
5807	491704.71	3860366.54	0.66182	1.23367	0.8149	0.26944	2.68E-03	3.68E-02	5.20E-03	8.51E-04	4.55E-02	2.43E-03	3.98E-08	6.93E-05	2.32E-05	2.53E-03	3.10E-03	3.68E-02	5.20E-03	8.51E-04	4.59E-02
5808	491623.42	3860462.39	0.64671	1.20635	0.7397	0.25792	2.61E-03	3.60E-02	4.72E-03	8.14E-04	4.41E-02	2.38E-03	3.89E-08	6.29E-05	2.22E-05	2.46E-03	3.02E-03	3.60E-02	4.72E-03	8.14E-04	4.45E-02
5809	491534.02	3860439.85	0.69258	1.25899	0.884	0.28507	2.80E-03	3.76E-02	5.64E-03	9.00E-04	4.69E-02	2.55E-03	4.06E-08	7.52E-05	2.45E-05	2.65E-03	3.24E-03	3.76E-02	5.64E-03	9.00E-04	4.73E-02
5810	491313.95	3860268.17	0.69757	1.39527	0.7856	0.27395	2.82E-03	4.16E-02	5.01E-03	8.65E-04	5.03E-02	2.56E-03	4.50E-08	6.68E-05	2.36E-05	2.66E-03	3.26E-03	4.16E-02	5.01E-03	8.65E-04	5.08E-02
5811	491187.12	3860143.56	0.72435	1.54294	0.8482	0.30175	2.93E-03	4.60E-02	5.41E-03	9.53E-04	5.53E-02	2.66E-03	4.97E-08	7.21E-05	2.60E-05	2.76E-03	3.39E-03	4.60E-02	5.41E-03	9.53E-04	5.58E-02
5812	491070.43	3860075.97	0.75543	1.60978	0.8717	0.30756	3.05E-03	4.80E-02	5.56E-03	9.71E-04	5.76E-02	2.78E-03	5.19E-08	7.41E-05	2.65E-05	2.88E-03	3.53E-03	4.80E-02	5.56E-03	9.71E-04	5.81E-02
5813	490995.09	3860039.38	0.77423	1.64563	0.8799	0.3099	3.13E-03	4.91E-02	5.61E-03	9.78E-04	5.88E-02	2.85E-03	5.30E-08	7.48E-05	2.67E-05	2.95E-03	3.62E-03	4.91E-02	5.61E-03	9.78E-04	5.93E-02
5814	490919.75	3860002.8	0.79141	1.66471	0.9171	0.31306	3.20E-03	4.97E-02	5.85E-03	9.88E-04	5.97E-02	2.91E-03	5.37E-08	7.80E-05	2.70E-05	3.01E-03	3.70E-03	4.97E-02	5.85E-03	9.88E-04	6.02E-02
5815	490756.81	3859894.53	0.82818	1.77829	1.0082	0.31027	3.35E-03	5.31E-02	6.43E-03	9.80E-04	6.38E-02	3.04E-03	5.73E-08	8.57E-05	2.67E-05	3.16E-03	3.87E-03	5.31E-02	6.43E-03	9.80E-04	6.43E-02
5816	490668.07	3859860.92	0.81632	1.81336	1.027	0.31501	3.30E-03	5.41E-02	6.55E-03	9.95E-04	6.49E-02	3.00E-03	5.84E-08	8.73E-05	2.71E-05	3.12E-03	3.82E-03	5.41E-02	6.55E-03	9.95E-04	6.55E-02
5817	490579.34	3859827.3	0.85269	1.84562	1.0204	0.30559	3.45E-03	5.51E-02	6.51E-03	9.65E-04	6.60E-02	3.13E-03	5.95E-08	8.68E-05	2.63E-05	3.25E-03	3.99E-03	5.51E-02	6.51E-03	9.65E-04	6.65E-02
5818	490490.6	3859793.68	0.87745	1.89995	1.0398	0.30192	3.55E-03	5.67E-02	6.63E-03	9.53E-04	6.78E-02	3.23E-03	6.12E-08	8.84E-05	2.60E-05	3.34E-03	4.10E-03	5.67E-02	6.63E-03	9.53E-04	6.84E-02
5819	490401.86	3859760.07	0.91514	1.97717	0.984	0.30509	3.70E-03	5.90E-02	6.28E-03	9.63E-04	6.99E-02	3.36E-03	6.37E-08	8.37E-05	2.63E-05	3.47E-03	4.28E-03	5.90E-02	6.28E-03	9.63E-04	7.05E-02
5820	490313.12	3859726.45	0.94602	2.063	0.9625	0.31641	3.82E-03	6.15E-02	6.14E-03	9.99E-04	7.25E-02	3.48E-03	6.65E-08	8.19E-05	2.72E-05	3.59E-03	4.42E-03	6.15E-02	6.14E-03	9.99E-04	7.31E-02
5821	490224.39	3859692.83	0.98259	2.16183	0.9722	0.32062	3.97E-03	6.45E-02	6.20E-03	1.01E-03	7.57E-02	3.61E-03	6.97E-08	8.27E-05	2.76E-05	3.72E-03	4.60E-03	6.45E-02	6.20E-03	1.01E-03	7.63E-02
5822	490135.65	3859659.22	1.00946	2.25323	0.9626	0.33026	4.08E-03	6.72E-02	6.14E-03	1.04E-03	7.85E-02	3.71E-03	7.26E-08	8.19E-05	2.84E-05	3.82E-03	4.72E-03	6.72E-02	6.14E-03	1.04E-03	7.91E-02
5823	489918.18	3859559.23	1.17517	2.52018	1.0813	0.36224	4.75E-03	7.52E-02	6.90E-03	1.14E-03	8.80E-02	4.32E-03	8.12E-08	9.20E-05	3.12E-05	4.44E-03	5.50E-03	7.52E-02	6.90E-03	1.14E-03	8.87E-02
5824	489743.61	3859486	1.16199	2.75302	1.1519	0.38095	4.70E-03	8.21E-02	7.35E-03	1.20E-03	9.54E-02	4.27E-03	8.87E-08	9.80E-05	3.28E-05	4.40E-03	5.43E-03	8.21E-02	7.35E-03	1.20E-03	9.61E-02
5825	489660.32	3859440.27	1.14616	2.90853	1.1505	0.36271	4.63E-03	8.68E-02	7.34E-03	1.15E-03	9.99E-02	4.21E-03	9.37E-08	9.78E-05	3.12E-05	4.34E-03	5.36E-03	8.68E-02	7.34E-03	1.15E-03	1.01E-01
5826	489577.04	3859394.53	1.18106	3.11854	1.1101	0.38935	4.77E-03	9.30E-02	7.08E-03	1.23E-03	1.06E-01	4.34E-03	1.01E-07	9.44E-05	3.35E-05	4.47E-03	5.52E-03	9.30E-02	7.08E-03	1.23E-03	1.07E-01
5827	489493.75	3859348.8	1.24942	3.32443	1.0519	0.40618	5.05E-03	9.92E-02	6.71E-03	1.28E-03	1.12E-01	4.59E-03	1.07E-07	8.95E-05	3.50E-05	4.72E-03	5.84E-03	9.92E-02	6.71E-03	1.28E-03	1.13E-01
5828	489321.28	3859240.02	1.39077	3.62815	1.0231	0.39849	5.62E-03	1.08E-01	6.53E-03	1.26E-03	1.22E-01	5.11E-03	1.17E-07	8.70E-05	3.43E-05	5.23E-03	6.50E-03	1.08E-01	6.53E-03	1.26E-03	1.23E-01
5829	489235.41	3859193.96	1.47788	3.85395	0.9635	0.40361	5.97E-03	1.15E-01	6.15E-03	1.27E-03	1.28E-01	5.43E-03	1.24E-07	8.19E-05	3.48E-05	5.55E-03	6.91E-03	1.15E-01	6.15E-03	1.27E-03	1.29E-01
5830	489149.54	3859147.89	1.56734	4.22452	1.0342	0.3795	6.34E-03	1.26E-01	6.60E-03	1.20E-03	1.40E-01	5.76E-03	1.36E-07	8.80E-05	3.27E-05	5.88E-03	7.33E-03	1.26E-01	6.60E-03	1.20E-03	1.41E-01
5831	489063.68	3859101.82	1.62127	4.39879	1.0945	0.39391	6.55E-03	1.31E-01	6.98E-03	1.24E-03	1.46E-01	5.96E-03	1.42E-07	9.31E-05	3.39E-05	6.09E-03	7.58E-03	1.31E-01	6.98E-03	1.24E-03	1.47E-01
5832	488977.81	3859055.75	1.59788	4.59379	1.0941	0.4408	6.46E-03	1.37E-01	6.98E-03	1.39E-03	1.52E-01	5.87E-03	1.48E-07	9.31E-05	3.80E-05	6.01E-03	7.47E-03	1.37E-01	6.98E-03	1.39E-03	1.53E-01
5833	488891.94	3859009.69	1.54324	5.03594	1.0666	0.42819	6.24E-03	1.50E-01	6.80E-03	1.35E-03	1.65E-01	5.67E-03	1.62E-07	9.07E-05	3.69E-05	5.80E-03	7.22E-03	1.50E-01	6.80E-03	1.35E-03	1.66E-01
5834	488808	3859060.73	1.54284	6.28601	0.9293	0.4473	6.24E-03	1.88E-01	5.93E-03	1.41E-03	2.01E-01	5.67E-03	2.03E-07	7.90E-05	3.85E-05	5.79E-03	7.22E-03	1.88E-01	5.93E-03	1.41E-03	2.02E-01
5835	488809.93	3859157.85	1.52907	6.44533	0.8294	0.45401	6.18E-03	1.92E-01	5.29E-03	1.43E-03	2.05E-01	5.62E-03	2.08E-07	7.05E-05	3.91E-05	5.73E-03	7.15E-03	1.92E-01	5.29E-03	1.43E-03	2.06E-01
5836	488811.85	3859254.96	1.46276	6.62077	0.8989	0.52892	5.91E-03	1.98E-01	5.73E-03	1.67E-03	2.11E-01	5.38E-03	2.13E-07	7.64E-05	4.55E-05	5.50E-03	6.84E-03	1.98E-01	5.73E-03	1.67E-03	2.12E-01
5837	488813.78	3859352.07	1.41727	6.72397	0.7965	0.54942	5.73E-03	2.01E-01	5.08E-03	1.73E-03	2.13E-01	5.21E-03	2.17E-07	6.77E-05	4.73E-05	5.33E-03	6.63E-03	2.01E-01	5.08E-03	1.73E-03	2.14E-01
5838	488815.71	3859449.19	1.2488	6.7792	0.6845	0.68403	5.05E-03	2.02E-01	4.37E-03	2.16E-03	2.14E-01	4.59E-03	2.18E-07	5.82E-05	5.89E-05	4.71E-03	5.84E-03	2.02E-01	4.37E-03	2.16E-03	2.15E-01
5839	488910.04	3859547.1	1.21021	5.19982	0.6629	0.84054	4.89E-03	1.55E-01	4.23E-03	2.65E-03	1.67E-01	4.45E-03	1.68E-07	5.64E-05	7.24E-05	4.58E-03	5.66E-03	1.55E-01	4.23E-03	2.65E-03	1.68E-01
5840	489002.45	3859547.91	1.32166	4.6013	0.784	0.71543	5.34E-03	1.37E-01	5.00E-03	2.26E-03	1.50E-01	4.86E-03	1.48E-07	6.67E-05	6.16E-05	4.99E-03	6.18E-03	1.37E-01	5.00E-03	2.26E-03	1.51E-01
5841	489094.85	3859548.71	1.28858	4.13437	0.932	0.63861	5.21E-03	1.23E-01	5.94E-03	2.02E-03	1.37E-01	4.74E-03	1.33E-07	7.93E-05	5.50E-05	4.87E-03	6.03E-03	1.23E-01	5.94E-03	2.02E-03	1.37E-01
5842	489230.05	3859601.87	1.28198	3.62184	0.988	0.56112	5.18E-03	1.08E-01	6.30E-03	1.77E-03	1.21E-01	4.71E-03	1.17E-07	8.40E-05	4.83E-05	4.85E-03	6.00E-03	1.08E-01	6.30E-03	1.77E-03	1.22E-01
5843	489227.52	3859680.89	1.22651	3.32291	0.9494	0.58482	4.96E-03	9.91E-02	6.06E-03	1.85E-03	1.12E-01	4.51E-03	1.07E-07	8.07E-05	5.04E-05	4.64E-03	5.74E-03	9.91E-02	6.06E-03	1.85E-03	1.13E-01
5844	489133.47	3859760.29	1.15525	3.37838	0.8728	0.70444	4.67E-03	1.01E-01	5.57E-03	2.22E-03	1.13E-01	4.25E-03	1.09E-07	7.42E-05	6.07E-05	4.38E-03	5.40E-03	1.01E-01	5.57E-03	2.22E-03	1.14E-01
5845	489041.96	3859760.67	1.0606	3.55131	0.6953	0.79971	4.29E-03	1.06E-01	4.44E-03	2.52E-03	1.17E-01	3.90E-03	1.14E-07	5.91E-05	6.89E-05	4.03E-03	4.96E-03	1.06E-01	4.44E-03	2.52E-03	1.18E-01
5846	488950.45	3859761.05	1.03866	3.80517	0.4925	0.92412	4.20E-03	1.14E-01	3.14E-03	2.92E-03	1.24E-01	3.82E-03	1.23E-07	4.19E-05	7.96E-05	3.94E-03	4.86E-03	1.14E-01	3.14E-03	2.92E-03	1.24E-01
5847	488858.94	3859761.43	1.10258	3.91682	0.3915	1.10088	4.46E-03	1.17E-01	2.50E-03	3.48E-03	1.27E-01	4.05E-03	1.26E-07	3.33E-05	9.48E-05	4.18E-03	5.16E-03	1.17E-01	2.50E-03	3.48E-03	1.28E-01
5848	488767.43	3859761.82	1.10733	4.15497	0.3918	1.37667	4.48E-03	1.24E-01	2.50E-03	4.35E-03	1.35E-01	4.07E-03	1.34E-07	3.33E-05	1.19E-04	4.22E-03	5.18E-03	1.24E-01	2.50E-03	4.35E-03	1.36E-01
5849	488675.92	3859762.2	1.05881	4.58569	0.3888	1.83305	4.28E-03	1.37E-01	2.48E-03	5.79E-03	1.49E-01	3.89E-03	1.48E-07	3.31E-05	1.58E-04	4.08E-03	4.95E-03	1.37E-01	2.48E-03	5.79E-03	1.50E-01
5850	488584.41	3859762.58	1.09322	5.1317	0.3771	2.42851	4.42E-03	1.53E-01	2.41E-03	7.67E-03	1.68E-01	4.02E-03	1.65E-07	3.21E-05	2.09E-04	4.26E-03	5.11E-03	1.53E-01	2.41E-03	7.67E-03	1.68E-01
5851	488492.9	3859762.96	1.16578	5.893	0.3084	3.15987	4.71E-03	1.76E-01	1.97E-03	9.98E-03	1.92E-01	4.29E-03	1.90E-07	2.62E-05	2.72E-04	4.58E-03	5.45E-03	1.76E-01	1.97E-03	9.98E-03	1.93E-01
5852	488402.76	3859830.95	1.113	7.2658	0.2717	4.79829	4.50E-03	2.17E-01	1.73E-03	1.51E-02	2.38E-01	4.09E-03	2.34E-07	2.31E-05	4.13E-04	4.53E-03	5.21E-03	2.17E-01	1.73E-03	1.51E-02	2.39E-01

5853	488404.14	3859898.55	1.03913	7.28859	0.2994	1.62339	4.20E-03	2.17E-01	1.91E-03	5.13E-03	2.29E-01	3.82E-03	2.35E-07	2.55E-05	1.40E-04	3.99E-03	4.86E-03	2.17E-01	1.91E-03	5.13E-03	2.29E-01
5854	488505.18	3859964.96	1.06313	6.41812	0.2807	1.45834	4.30E-03	1.91E-01	1.79E-03	4.60E-03	2.02E-01	3.91E-03	2.07E-07	2.39E-05	1.26E-04	4.06E-03	4.97E-03	1.91E-01	1.79E-03	4.60E-03	2.03E-01
5855	488604.84	3859963.76	1.1285	6.06891	0.3746	1.85656	4.56E-03	1.81E-01	2.39E-03	5.86E-03	1.94E-01	4.15E-03	1.96E-07	3.19E-05	1.60E-04	4.34E-03	5.28E-03	1.81E-01	2.39E-03	5.86E-03	1.95E-01
5856	488704.51	3859962.56	1.02812	5.51833	0.3987	1.9104	4.16E-03	1.65E-01	2.54E-03	6.03E-03	1.77E-01	3.78E-03	1.78E-07	3.39E-05	1.65E-04	3.98E-03	4.81E-03	1.65E-01	2.54E-03	6.03E-03	1.78E-01
5857	488804.18	3859961.37	1.00754	4.91739	0.3531	1.50953	4.07E-03	1.47E-01	2.25E-03	4.77E-03	1.58E-01	3.70E-03	1.58E-07	3.00E-05	1.30E-04	3.86E-03	4.71E-03	1.47E-01	2.25E-03	4.77E-03	1.58E-01
5858	488903.85	3859960.17	1.01084	4.32487	0.3323	1.20504	4.09E-03	1.29E-01	2.12E-03	3.80E-03	1.39E-01	3.72E-03	1.39E-07	2.83E-05	1.04E-04	3.85E-03	4.73E-03	1.29E-01	2.12E-03	3.80E-03	1.40E-01
5859	489003.52	3859958.97	1.04324	3.937	0.3651	0.98141	4.22E-03	1.17E-01	2.33E-03	3.10E-03	1.27E-01	3.84E-03	1.27E-07	3.11E-05	8.45E-05	3.95E-03	4.88E-03	1.17E-01	2.33E-03	3.10E-03	1.28E-01
5860	489103.18	3859957.77	0.9582	3.59329	0.5512	0.80879	3.87E-03	1.07E-01	3.52E-03	2.55E-03	1.17E-01	3.52E-03	1.16E-07	4.69E-05	6.96E-05	3.64E-03	4.48E-03	1.07E-01	3.52E-03	2.55E-03	1.18E-01
5861	489201.48	3860046.59	0.93525	3.5576	0.761	0.76612	3.78E-03	1.06E-01	4.85E-03	2.42E-03	1.17E-01	3.44E-03	1.15E-07	6.47E-05	6.60E-05	3.57E-03	4.37E-03	1.06E-01	4.85E-03	2.42E-03	1.18E-01
5862	489200.11	3860136.61	0.9282	3.73446	0.5604	0.70279	3.75E-03	1.11E-01	3.57E-03	2.22E-03	1.21E-01	3.41E-03	1.20E-07	4.77E-05	6.05E-05	3.52E-03	4.34E-03	1.11E-01	3.57E-03	2.22E-03	1.22E-01
5863	489198.74	3860226.63	0.96793	4.33968	0.4024	0.65781	3.91E-03	1.29E-01	2.57E-03	2.08E-03	1.38E-01	3.56E-03	1.40E-07	3.42E-05	5.66E-05	3.65E-03	4.53E-03	1.29E-01	2.57E-03	2.08E-03	1.39E-01
5864	489197.38	3860316.65	0.90346	6.00214	0.3033	0.66386	3.65E-03	1.79E-01	1.93E-03	2.10E-03	1.87E-01	3.32E-03	1.93E-07	2.58E-05	5.72E-05	3.40E-03	4.23E-03	1.79E-01	1.93E-03	2.10E-03	1.87E-01
5865	489196.01	3860406.68	0.86556	6.3821	0.2449	0.53222	3.50E-03	1.90E-01	1.56E-03	1.68E-03	1.97E-01	3.18E-03	2.06E-07	2.08E-05	4.58E-05	3.25E-03	4.05E-03	1.90E-01	1.56E-03	1.68E-03	1.98E-01
5866	489194.64	3860496.7	0.81803	6.03846	0.2104	0.49102	3.31E-03	1.80E-01	1.34E-03	1.55E-03	1.86E-01	3.01E-03	1.95E-07	1.79E-05	4.23E-05	3.07E-03	3.83E-03	1.80E-01	1.34E-03	1.55E-03	1.87E-01
5867	489193.27	3860586.72	0.81603	4.80809	0.2203	0.47543	3.30E-03	1.43E-01	1.41E-03	1.50E-03	1.50E-01	3.00E-03	1.55E-07	1.87E-05	4.09E-05	3.06E-03	3.82E-03	1.43E-01	1.41E-03	1.50E-03	1.50E-01
5868	489092.02	3860678.13	0.87426	3.57948	0.2819	0.42214	3.53E-03	1.07E-01	1.80E-03	1.33E-03	1.13E-01	3.21E-03	1.15E-07	2.40E-05	3.64E-05	3.27E-03	4.09E-03	1.07E-01	1.80E-03	1.33E-03	1.14E-01
5869	488992.13	3860679.52	0.80701	3.62655	0.3155	0.45533	3.26E-03	1.08E-01	2.01E-03	1.44E-03	1.15E-01	2.97E-03	1.17E-07	2.68E-05	3.92E-05	3.03E-03	3.77E-03	1.08E-01	2.01E-03	1.44E-03	1.15E-01
5870	488892.24	3860680.92	0.79804	3.56209	0.2511	0.47747	3.23E-03	1.06E-01	1.60E-03	1.51E-03	1.13E-01	2.93E-03	1.15E-07	2.14E-05	4.11E-05	3.00E-03	3.73E-03	1.06E-01	1.60E-03	1.51E-03	1.13E-01
5871	488792.36	3860682.31	0.82723	3.49956	0.2912	0.46169	3.34E-03	1.04E-01	1.86E-03	1.46E-03	1.11E-01	3.04E-03	1.13E-07	2.48E-05	3.98E-05	3.11E-03	3.87E-03	1.04E-01	1.86E-03	1.46E-03	1.12E-01
5872	488692.47	3860683.7	0.85319	3.38466	0.2418	0.54502	3.45E-03	1.01E-01	1.54E-03	1.72E-03	1.08E-01	3.14E-03	1.09E-07	2.06E-05	4.69E-05	3.20E-03	3.99E-03	1.01E-01	1.54E-03	1.72E-03	1.08E-01
5873	488592.59	3860685.1	0.77165	3.53222	0.2733	0.5064	3.12E-03	1.05E-01	1.74E-03	1.60E-03	1.12E-01	2.84E-03	1.14E-07	2.32E-05	4.36E-05	2.90E-03	3.61E-03	1.05E-01	1.74E-03	1.60E-03	1.12E-01
5874	488492.71	3860686.49	0.74885	3.57249	0.4097	0.61071	3.03E-03	1.07E-01	2.61E-03	1.93E-03	1.14E-01	2.75E-03	1.15E-07	3.48E-05	5.26E-05	2.84E-03	3.50E-03	1.07E-01	2.61E-03	1.93E-03	1.15E-01
5875	488299.07	3860762.18	0.7562	3.08354	0.5824	0.25894	3.06E-03	9.20E-02	3.72E-03	8.18E-04	9.96E-02	2.78E-03	9.94E-08	4.95E-05	2.23E-05	2.85E-03	3.54E-03	9.20E-02	3.72E-03	8.18E-04	1.00E-01
5876	488205.32	3860764.09	0.76028	3.03593	0.6713	0.19992	3.07E-03	9.06E-02	4.28E-03	6.31E-04	9.86E-02	2.80E-03	9.78E-08	5.71E-05	1.72E-05	2.87E-03	3.56E-03	9.06E-02	4.28E-03	6.31E-04	9.90E-02
5877	488111.56	3860766	0.74955	3.13513	0.7117	0.20448	3.03E-03	9.35E-02	4.54E-03	6.46E-04	1.02E-01	2.76E-03	1.01E-07	6.05E-05	1.76E-05	2.83E-03	3.51E-03	9.35E-02	4.54E-03	6.46E-04	1.02E-01
5878	488017.81	3860767.91	0.71423	2.94804	0.5744	0.24945	2.89E-03	8.79E-02	3.66E-03	7.88E-04	9.53E-02	2.63E-03	9.50E-08	4.89E-05	2.15E-05	2.70E-03	3.34E-03	8.80E-02	3.66E-03	7.88E-04	9.57E-02
5879	487924.06	3860769.81	0.69668	2.74275	0.4417	0.27018	2.82E-03	8.18E-02	2.82E-03	8.53E-04	8.83E-02	2.56E-03	8.84E-08	3.76E-05	2.33E-05	2.62E-03	3.26E-03	8.18E-02	2.82E-03	8.53E-04	8.88E-02
5880	487830.31	3860771.72	0.68447	2.71146	0.3366	0.35233	2.77E-03	8.09E-02	2.15E-03	1.11E-03	8.69E-02	2.52E-03	8.74E-08	2.86E-05	3.03E-05	2.58E-03	3.20E-03	8.09E-02	2.15E-03	1.11E-03	8.74E-02
5881	487736.55	3860773.63	0.69731	2.6234	0.3425	0.33816	2.82E-03	7.83E-02	2.18E-03	1.07E-03	8.43E-02	2.56E-03	8.46E-08	2.91E-05	2.91E-05	2.62E-03	3.26E-03	7.83E-02	2.18E-03	1.07E-03	8.48E-02
5882	487642.8	3860775.54	0.70989	2.67136	0.3302	0.35431	2.87E-03	7.97E-02	2.11E-03	1.12E-03	8.58E-02	2.61E-03	8.61E-08	2.81E-05	3.05E-05	2.67E-03	3.32E-03	7.97E-02	2.11E-03	1.12E-03	8.62E-02
5883	487549.48	3860684.71	0.67128	3.14949	0.3498	0.31768	2.71E-03	9.40E-02	2.23E-03	1.00E-03	9.99E-02	2.47E-03	1.02E-07	2.97E-05	2.74E-05	2.53E-03	3.14E-03	9.40E-02	2.23E-03	1.00E-03	1.00E-01
5884	487549.91	3860591.97	0.73488	3.50358	0.349	0.31807	2.97E-03	1.05E-01	2.23E-03	1.00E-03	1.11E-01	2.70E-03	1.13E-07	2.97E-05	2.74E-05	2.76E-03	3.44E-03	1.05E-01	2.23E-03	1.00E-03	1.11E-01
5885	487550.34	3860499.23	0.78935	4.01604	0.3483	0.24955	3.19E-03	1.20E-01	2.22E-03	7.88E-04	1.26E-01	2.90E-03	1.29E-07	2.96E-05	2.15E-05	2.95E-03	3.69E-03	1.20E-01	2.22E-03	7.88E-04	1.27E-01
5886	487550.76	3860406.49	0.80739	4.34731	0.3524	0.30635	3.26E-03	1.30E-01	2.25E-03	9.67E-04	1.36E-01	2.97E-03	1.40E-07	3.00E-05	2.64E-05	3.02E-03	3.78E-03	1.30E-01	2.25E-03	9.67E-04	1.37E-01
5887	487551.19	3860313.75	0.8214	4.28653	0.3454	0.34432	3.32E-03	1.28E-01	2.20E-03	1.09E-03	1.34E-01	3.02E-03	1.38E-07	2.94E-05	2.96E-05	3.08E-03	3.84E-03	1.28E-01	2.20E-03	1.09E-03	1.35E-01
5888	487551.62	3860221.01	0.83542	4.50396	0.3429	0.32799	3.38E-03	1.34E-01	2.19E-03	1.04E-03	1.41E-01	3.07E-03	1.45E-07	2.92E-05	2.82E-05	3.13E-03	3.91E-03	1.34E-01	2.19E-03	1.04E-03	1.41E-01
5889	487552.05	3860128.27	0.85423	4.80812	0.3403	0.32655	3.45E-03	1.43E-01	2.17E-03	1.03E-03	1.50E-01	3.14E-03	1.55E-07	2.89E-05	2.81E-05	3.20E-03	3.99E-03	1.43E-01	2.17E-03	1.03E-03	1.51E-01
5890	487552.48	3860035.53	0.92236	5.01854	0.3646	0.35698	3.73E-03	1.50E-01	2.33E-03	1.13E-03	1.57E-01	3.39E-03	1.62E-07	3.10E-05	3.07E-05	3.45E-03	4.31E-03	1.50E-01	2.33E-03	1.13E-03	1.57E-01
5891	487552.91	3859942.79	0.96557	5.13071	0.4056	0.39307	3.90E-03	1.53E-01	2.59E-03	1.24E-03	1.61E-01	3.55E-03	1.65E-07	3.45E-05	3.38E-05	3.62E-03	4.52E-03	1.53E-01	2.59E-03	1.24E-03	1.61E-01
5892	487553.33	3859850.05	0.99228	5.18849	0.3746	0.46624	4.01E-03	1.55E-01	2.39E-03	1.47E-03	1.63E-01	3.65E-03	1.67E-07	3.19E-05	4.01E-05	3.72E-03	4.64E-03	1.55E-01	2.39E-03	1.47E-03	1.63E-01
5893	487553.76	3859757.31	1.0167	5.08529	0.3728	0.52359	4.11E-03	1.52E-01	2.38E-03	1.65E-03	1.60E-01	3.74E-03	1.64E-07	3.17E-05	4.51E-05	3.81E-03	4.75E-03	1.52E-01	2.38E-03	1.65E-03	1.60E-01
5894	487554.19	3859664.57	1.02108	5.23764	0.3886	0.62886	4.13E-03	1.56E-01	2.48E-03	1.99E-03	1.65E-01	3.75E-03	1.69E-07	3.30E-05	5.42E-05	3.84E-03	4.78E-03	1.56E-01	2.48E-03	1.99E-03	1.65E-01
5895	487460.2	3859571.05	1.06936	4.96325	0.3064	0.56549	4.32E-03	1.48E-01	1.95E-03	1.79E-03	1.56E-01	3.93E-03	1.60E-07	2.61E-05	4.87E-05	4.01E-03	5.00E-03	1.48E-01	1.95E-03	1.79E-03	1.57E-01
5896	487365.78	3859570.27	1.04116	4.70758	0.3293	0.49214	4.21E-03	1.40E-01	2.10E-03	1.55E-03	1.48E-01	3.83E-03	1.52E-07	2.80E-05	4.24E-05	3.90E-03	4.87E-03	1.40E-01	2.10E-03	1.55E-03	1.49E-01
5897	487271.36	3859569.48	1.02477	4.6251	0.3603	0.42503	4.14E-03	1.38E-01	2.30E-03	1.34E-03	1.46E-01	3.77E-03	1.49E-07	3.06E-05	3.66E-05	3.83E-03	4.79E-03	1.38E-01	2.30E-03	1.34E-03	1.46E-01
5898	487176.94	3859568.7	0.9984	4.45579	0.3977	0.37629	4.04E-03	1.33E-01	2.54E-03	1.19E-03	1.41E-01	3.67E-03	1.44E-07	3.38E-05	3.24E-05	3.74E-03	4.67E-03	1.33E-01	2.54E-03	1.19E-03	1.41E-01
5899	487082.51	3859567.92	0.96411	4.34818	0.5286	0.35615	3.90E-03	1.30E-01	3.37E-03	1.12E-03	1.38E-01	3.54E-03	1.40E-07	4.50E-05	3.07E-05	3.62E-03	4.51E-03	1.30E-01	3.37E-03	1.12E-03	1.39E-01
5900	486988.09	3859567.14	0.91995	4.24928	0.5584	0.44628	3.72E-03	1.27E-01	3.56E-03	1.41E-03	1.35E-01	3.38E-03	1.37E-07	4.75E-05	3.84E-05	3.47E-03	4.30E-03	1.27E-01	3.56E-03	1.41E-03	1.36E-01
5901	486893.67	3859566.36	0.88494	4.14083	0.5287	0.31674	3.58E-03	1.24E-01	3.37E-03	1.00E-03	1.31E-01	3.25E-03	1.33E-07	4.50E-05	2.73E-05	3.33E-03	4.14E-03	1.24E-01	3.37E-03	1.00E-03	1.32E-01
5902	486799.25	3859565.58	0.87526	3.94706	0.6001	0.28791	3.54E-03	1.18E-01	3.83E-03	9.09E-04	1.26E-01	3.22E-03	1.27E-07	5.10E-05	2.48E-05	3.29E-03	4.09E-03	1.18E-01	3.83E-03	9.09E-04	1.27E-01
5903	486704.83	3859564.79	0.82894	3.71451	0.9242	0.3112	3.35E-03	1.11E-01	5.89E-03	9.83E-04	1.21E-01	3.05E-03	1.20E-07	7.86E-05	2.68E-05	3.15E-03	3.88E-03	1.11E-01	5.89E-03	9.83E-04	1.22E-01
5904	486610.41	3859564.01	0.78745	3.59562	0.9514	0.31703	3.18E-03	1.07E-01	6.07E-03	1.00E-03	1.18E-01	2.90E-03	1.16E-07	8.09E-05	2.73E-05	3.00E-03	3.68E-03	1.07E-01	6.07E-03	1.00E-03	1.18E-01
5905	486515.99	3859563.23	0.77377	3.39338	0.7147	0.2823	3.13E-03	1.01E-01	4.56E-03	8.91E-04	1.10E-01	2.84E-03	1.09E-07	6.08E-05	2.43E-05	2.93E-03	3.62E-03	1.01E-01	4.56E-03	8.91E-04	1.10E-01
5906	486421.57	3859562.45	0.76221	3.26156	0.7209	0.26773	3.08E-03	9.73E-02	4.60E-03	8.45E-04	1.06E-01	2.80E-03	1.05E-07	6.13E-05	2.31E-05	2.89E-03	3.56E-03	9.73E-02	4.60E-03	8.45E-04	1.06E-01
5907	486327.14	3859561.67	0.76017	3.12635	0.7155	0.25021	3.07E-03	9.33E-02	4.56E-03	7.90E-04	1.02E-01	2.79E-03	1.01E-07	6.08E-05	2.15E-05	2.88E-03	3.56E-03	9.33E-02	4.56E-03	7.90E-04	1.02E-01
5908	486232.72	3859560.89	0.7438	2.9518	0.8848	0.24934	3.01E-03	8.81E-02	5.64E-03	7.87E-04	9.75E-02	2.73E-03	9.51E-08	7.52E-05	2.15E-05	2.83E-03	3.48E-03	8.81E-02	5.64E-03	7.87E-04	9.80E-02
5909	486138.3	3859560.1	0.74039	2.84887	0.9038	0.25658	2.99E-03	8.50E-02	5.77E-03	8.10E-04	9.46E-02	2.72E-03	9.18E-08	7.69E-05	2.21E-05	2.82E-03	3.46E-03	8.50E-02	5.77E-03	8.10E-04	9.50E-02
5910	486043.88	3859559.32	0.72664	2.73137	1.0178	0.26563	2.94E-03	8.15E-02	6.49E-03	8.39E-04	9.18E-02	2.67E-03	8.80E-08	8.66E-05	2.29E-05	2.78E-03	3.40E-03	8.15E-02	6.49E-03	8.39E-04	9.22E-02
5911	485949.35	3859463.54	0.74842	2.82604	1.0971	0.2393	3.03E-03	8.43E-02	7.00E-03	7.56E-04	9.51E-02	2.75E-03	9.11E-08	9.33E-05	2.06E-05	2.87E-03	3.50E-03	8.43E-02	7.00E-03	7.56E-04	9.56E-02
5912	485949.24	3859368.55	0.77732	3.01061	1.0727	0.21867	3.14E-03	8.98E-02	6.84E-03	6.90E-04	1.00E-01	2.86E-03	9.70E-08	9.12E-05	1.88E-05	2.97E-03	3.64E-03	8.98E-02	6.84E-03	6.90E-04	1.01E-01
5913	485949.12	3859273.55	0.81224	3.28381	1.1493	0.24255	3.28E-03	9.80E-02	7.33E-03	7.66E-04	1.09E-01	2.99E-03	1.06E-07	9.77E-05	2.09E-05	3.10E-03	3.80E-03	9.80E-02	7.33E-03	7.66E-04	1.10E-01

5914	485949.01	3859178.56	0.85193	3.53321	1.1313	0.26479	3.44E-03	1.05E-01	7.22E-03	8.36E-04	1.17E-01	3.13E-03	1.14E-07	9.62E-05	2.28E-05	3.25E-03	3.98E-03	1.05E-01	7.22E-03	8.36E-04	1.17E-01
5915	485948.9	3859083.56	0.89851	3.91031	1.1789	0.32957	3.63E-03	1.17E-01	7.52E-03	1.04E-03	1.29E-01	3.30E-03	1.26E-07	1.00E-04	2.84E-05	3.43E-03	4.20E-03	1.17E-01	7.52E-03	1.04E-03	1.29E-01
5916	485948.79	3858988.56	0.9358	4.15137	0.9813	0.39288	3.78E-03	1.24E-01	6.26E-03	1.24E-03	1.35E-01	3.44E-03	1.34E-07	8.35E-05	3.38E-05	3.56E-03	4.38E-03	1.24E-01	6.26E-03	1.24E-03	1.36E-01
5917	485948.67	3858893.57	0.99286	4.16509	1.1796	0.48691	4.01E-03	1.24E-01	7.52E-03	1.54E-03	1.37E-01	3.65E-03	1.34E-07	1.00E-04	4.19E-05	3.79E-03	4.64E-03	1.24E-01	7.52E-03	1.54E-03	1.38E-01
5918	485948.56	3858798.57	1.06511	4.12498	1.2697	0.41199	4.31E-03	1.23E-01	8.10E-03	1.30E-03	1.37E-01	3.92E-03	1.33E-07	1.08E-04	3.55E-05	4.06E-03	4.98E-03	1.23E-01	8.10E-03	1.30E-03	1.37E-01
5919	485948.45	3858703.58	1.13178	3.95937	1.385	0.34672	4.57E-03	1.18E-01	8.83E-03	1.09E-03	1.33E-01	4.16E-03	1.28E-07	1.18E-04	2.99E-05	4.31E-03	5.29E-03	1.18E-01	8.83E-03	1.09E-03	1.33E-01
5920	485948.34	3858608.58	1.20684	3.92455	1.3422	0.35643	4.88E-03	1.17E-01	8.56E-03	1.13E-03	1.32E-01	4.44E-03	1.26E-07	1.14E-04	3.07E-05	4.58E-03	5.64E-03	1.17E-01	8.56E-03	1.13E-03	1.32E-01
5921	485948.22	3858513.59	1.27529	3.98175	1.0692	0.39563	5.15E-03	1.19E-01	6.82E-03	1.25E-03	1.32E-01	4.69E-03	1.28E-07	9.09E-05	3.41E-05	4.81E-03	5.96E-03	1.19E-01	6.82E-03	1.25E-03	1.33E-01
5922	485948.11	3858418.59	1.33017	3.88778	0.929	0.37768	5.38E-03	1.16E-01	5.93E-03	1.19E-03	1.28E-01	4.89E-03	1.25E-07	7.90E-05	3.25E-05	5.00E-03	6.22E-03	1.16E-01	5.93E-03	1.19E-03	1.29E-01
5923	485948	3858323.59	1.38163	3.7573	1.0344	0.26978	5.58E-03	1.12E-01	6.60E-03	8.52E-04	1.25E-01	5.08E-03	1.21E-07	8.80E-05	2.32E-05	5.19E-03	6.46E-03	1.12E-01	6.60E-03	8.52E-04	1.26E-01
5924	485947.89	3858228.6	1.47349	3.65372	1.2003	0.25198	5.96E-03	1.09E-01	7.66E-03	7.96E-04	1.23E-01	5.42E-03	1.18E-07	1.02E-04	2.17E-05	5.54E-03	6.89E-03	1.09E-01	7.66E-03	7.96E-04	1.24E-01
5925	485947.77	3858133.6	1.6101	3.58773	1.1223	0.26694	6.51E-03	1.07E-01	7.16E-03	8.43E-04	1.22E-01	5.92E-03	1.16E-07	9.54E-05	2.30E-05	6.04E-03	7.53E-03	1.07E-01	7.16E-03	8.43E-04	1.23E-01
5926	485947.66	3858038.61	1.77564	3.48564	1.0749	0.27495	7.18E-03	1.04E-01	6.86E-03	8.68E-04	1.19E-01	6.53E-03	1.12E-07	9.14E-05	2.37E-05	6.64E-03	8.30E-03	1.04E-01	6.86E-03	8.68E-04	1.20E-01
5927	485854.54	3857943.35	1.77826	3.15626	1.0842	0.26736	7.19E-03	9.42E-02	6.92E-03	8.44E-04	1.09E-01	6.54E-03	1.02E-07	9.22E-05	2.30E-05	6.65E-03	8.32E-03	9.42E-02	6.92E-03	8.44E-04	1.10E-01
5928	485761.52	3857943.09	1.81655	2.96637	1.0561	0.2527	7.34E-03	8.85E-02	6.74E-03	7.98E-04	1.03E-01	6.68E-03	9.56E-08	8.98E-05	2.18E-05	6.79E-03	8.50E-03	8.85E-02	6.74E-03	7.98E-04	1.05E-01
5929	485668.51	3857942.83	1.78069	2.77719	1.0309	0.23165	7.20E-03	8.29E-02	6.58E-03	7.31E-04	9.74E-02	6.55E-03	8.95E-08	8.77E-05	1.99E-05	6.65E-03	8.33E-03	8.29E-02	6.58E-03	7.31E-04	9.85E-02
5930	485575.5	3857942.56	1.75552	2.63276	1.005	0.24459	7.10E-03	7.85E-02	6.41E-03	7.72E-04	9.28E-02	6.45E-03	8.49E-08	8.55E-05	2.11E-05	6.56E-03	8.21E-03	7.85E-02	6.41E-03	7.72E-04	9.39E-02
5931	485482.48	3857942.3	1.86854	2.4707	0.9819	0.2712	7.55E-03	7.37E-02	6.26E-03	8.56E-04	8.84E-02	6.87E-03	7.96E-08	8.35E-05	2.34E-05	6.98E-03	8.74E-03	7.37E-02	6.26E-03	8.56E-04	8.96E-02
5932	485389.47	3857942.04	1.89008	2.35614	0.9596	0.25426	7.64E-03	7.03E-02	6.12E-03	8.03E-04	8.49E-02	6.95E-03	7.59E-08	8.16E-05	2.19E-05	7.05E-03	8.84E-03	7.03E-02	6.12E-03	8.03E-04	8.61E-02
5933	485296.46	3857941.78	1.86521	2.29432	0.9383	0.24115	7.54E-03	6.84E-02	5.99E-03	7.61E-04	8.27E-02	6.86E-03	7.39E-08	7.98E-05	2.08E-05	6.96E-03	8.72E-03	6.84E-02	5.99E-03	7.61E-04	8.39E-02
5934	485203.45	3857941.52	1.89123	2.21062	0.9193	0.22777	7.64E-03	6.60E-02	5.86E-03	7.19E-04	8.02E-02	6.95E-03	7.12E-08	7.82E-05	1.96E-05	7.05E-03	8.84E-03	6.60E-02	5.86E-03	7.19E-04	8.14E-02
5935	485110.43	3857941.26	1.89218	2.18939	0.8994	0.21756	7.65E-03	6.53E-02	5.74E-03	6.87E-04	7.94E-02	6.96E-03	7.06E-08	7.65E-05	1.87E-05	7.05E-03	8.85E-03	6.53E-02	5.74E-03	6.87E-04	8.06E-02
5936	485017.42	3857940.99	1.87868	2.15884	0.8798	0.21184	7.59E-03	6.44E-02	5.61E-03	6.69E-04	7.83E-02	6.91E-03	6.96E-08	7.48E-05	1.82E-05	7.00E-03	8.79E-03	6.44E-02	5.61E-03	6.69E-04	7.95E-02
5937	484924.41	3857940.73	1.86018	2.10432	0.8612	0.20141	7.52E-03	6.28E-02	5.49E-03	6.36E-04	7.64E-02	6.84E-03	6.78E-08	7.32E-05	1.73E-05	6.93E-03	8.70E-03	6.28E-02	5.49E-03	6.36E-04	7.76E-02
5938	484831.39	3857940.47	1.81328	2.08104	0.844	0.20495	7.33E-03	6.21E-02	5.38E-03	6.47E-04	7.54E-02	6.67E-03	6.71E-08	7.18E-05	1.76E-05	6.76E-03	8.48E-03	6.21E-02	5.38E-03	6.47E-04	7.66E-02
5939	484738.12	3857859.3	1.8932	2.13955	0.8367	0.20478	7.65E-03	6.38E-02	5.34E-03	6.47E-04	7.75E-02	6.96E-03	6.90E-08	7.12E-05	1.76E-05	7.05E-03	8.85E-03	6.38E-02	5.34E-03	6.47E-04	7.87E-02
5940	484737.85	3857778.4	1.99952	2.29527	0.8331	0.21548	8.08E-03	6.85E-02	5.31E-03	6.80E-04	8.26E-02	7.35E-03	7.40E-08	7.09E-05	1.86E-05	7.44E-03	9.35E-03	6.85E-02	5.31E-03	6.80E-04	8.38E-02
5941	484737.59	3857697.49	2.10751	2.51103	0.8153	0.23474	8.52E-03	7.49E-02	5.20E-03	7.41E-04	8.94E-02	7.75E-03	8.09E-08	6.93E-05	2.02E-05	7.84E-03	9.86E-03	7.49E-02	5.20E-03	7.41E-04	9.07E-02
5942	484737.32	3857616.59	2.19094	2.74661	0.7843	0.24249	8.86E-03	8.19E-02	5.00E-03	7.66E-04	9.66E-02	8.05E-03	8.85E-08	6.67E-05	2.09E-05	8.14E-03	1.02E-02	8.19E-02	5.00E-03	7.66E-04	9.80E-02
5943	484645.53	3857535.18	2.23648	2.94758	0.7777	0.23032	9.04E-03	8.79E-02	4.96E-03	7.27E-04	1.03E-01	8.22E-03	9.50E-08	6.61E-05	1.98E-05	8.31E-03	1.05E-02	8.79E-02	4.96E-03	7.27E-04	1.04E-01
5944	484553.99	3857534.67	2.16832	2.84968	0.7456	0.21727	8.76E-03	8.50E-02	4.76E-03	6.86E-04	9.92E-02	7.97E-03	9.18E-08	6.34E-05	1.87E-05	8.05E-03	1.01E-02	8.50E-02	4.76E-03	6.86E-04	1.01E-01
5945	484462.46	3857534.17	2.09255	2.76363	0.7188	0.20275	8.46E-03	8.24E-02	4.59E-03	6.40E-04	9.61E-02	7.69E-03	8.91E-08	6.11E-05	1.75E-05	7.77E-03	9.79E-03	8.24E-02	4.59E-03	6.40E-04	9.75E-02
5946	484370.93	3857533.66	2.04561	2.72836	0.7109	0.19855	8.27E-03	8.14E-02	4.53E-03	6.27E-04	9.48E-02	7.52E-03	8.79E-08	6.05E-05	1.71E-05	7.60E-03	9.57E-03	8.14E-02	4.53E-03	6.27E-04	9.61E-02
5947	484279.4	3857533.16	2.01645	2.74936	0.7032	0.20078	8.15E-03	8.20E-02	4.49E-03	6.34E-04	9.53E-02	7.41E-03	8.86E-08	5.98E-05	1.73E-05	7.49E-03	9.43E-03	8.20E-02	4.49E-03	6.34E-04	9.66E-02
5948	484187.86	3857532.65	1.99353	2.72731	0.6953	0.20726	8.06E-03	8.14E-02	4.43E-03	6.54E-04	9.45E-02	7.33E-03	8.79E-08	5.91E-05	1.78E-05	7.41E-03	9.32E-03	8.14E-02	4.43E-03	6.54E-04	9.58E-02
5949	484096.33	3857532.15	1.97951	2.52333	0.6881	0.33474	8.00E-03	7.53E-02	4.39E-03	1.06E-03	8.87E-02	7.28E-03	8.13E-08	5.85E-05	2.88E-05	7.37E-03	9.26E-03	7.53E-02	4.39E-03	1.06E-03	9.00E-02
5950	484004.8	3857531.64	1.95823	2.45216	0.6801	0.35054	7.92E-03	7.32E-02	4.34E-03	1.11E-03	8.65E-02	7.20E-03	7.90E-08	5.78E-05	3.02E-05	7.29E-03	9.16E-03	7.32E-02	4.34E-03	1.11E-03	8.78E-02
5951	483913.27	3857531.14	1.80798	2.42162	0.6714	0.32117	7.31E-03	7.22E-02	4.28E-03	1.01E-03	8.48E-02	6.65E-03	7.81E-08	5.71E-05	2.77E-05	6.73E-03	8.46E-03	7.22E-02	4.28E-03	1.01E-03	8.60E-02
5952	483821.73	3857530.63	1.7896	2.34397	0.6637	0.37462	7.23E-03	6.99E-02	4.23E-03	1.18E-03	8.26E-02	6.58E-03	7.55E-08	5.64E-05	3.23E-05	6.67E-03	8.37E-03	6.99E-02	4.23E-03	1.18E-03	8.37E-02
5953	483729.61	3857450.11	1.81705	2.61933	0.6288	0.7204	7.34E-03	7.81E-02	4.01E-03	2.27E-03	9.18E-02	6.68E-03	8.44E-08	5.35E-05	6.20E-05	6.80E-03	8.50E-03	7.81E-02	4.01E-03	2.27E-03	9.29E-02
5954	483729.03	3857370.08	1.81859	2.80919	0.6984	0.60846	7.35E-03	8.38E-02	4.46E-03	1.92E-03	9.75E-02	6.69E-03	9.05E-08	5.94E-05	5.24E-05	6.80E-03	8.50E-03	8.38E-02	4.46E-03	1.92E-03	9.87E-02
5955	483728.44	3857290.06	1.84266	3.0835	0.7763	0.51836	7.45E-03	9.20E-02	4.95E-03	1.64E-03	1.06E-01	6.77E-03	9.94E-08	6.60E-05	4.46E-05	6.89E-03	8.62E-03	9.20E-02	4.95E-03	1.64E-03	1.07E-01
5956	483727.86	3857210.03	1.89618	3.50221	0.8255	0.43194	7.66E-03	1.04E-01	5.27E-03	1.36E-03	1.19E-01	6.97E-03	1.13E-07	7.02E-05	3.72E-05	7.08E-03	8.87E-03	1.04E-01	5.27E-03	1.36E-03	1.20E-01
5957	483641.15	3857129.07	1.95587	3.70264	0.848	0.44577	7.91E-03	1.10E-01	5.41E-03	1.41E-03	1.25E-01	7.19E-03	1.19E-07	7.21E-05	3.84E-05	7.30E-03	9.15E-03	1.10E-01	5.41E-03	1.41E-03	1.26E-01
5958	483555.03	3857128.14	1.93221	3.42276	0.8341	0.46156	7.81E-03	1.02E-01	5.32E-03	1.46E-03	1.17E-01	7.10E-03	1.10E-07	7.09E-05	3.97E-05	7.21E-03	9.04E-03	1.02E-01	5.32E-03	1.46E-03	1.18E-01
5959	483468.91	3857127.2	1.89572	3.29663	0.8174	0.4788	7.66E-03	9.83E-02	5.21E-03	1.51E-03	1.13E-01	6.97E-03	1.06E-07	6.95E-05	4.12E-05	7.08E-03	8.87E-03	9.83E-02	5.21E-03	1.51E-03	1.14E-01
5960	483382.78	3857126.26	1.8649	3.09058	0.8033	0.52023	7.54E-03	9.22E-02	5.12E-03	1.64E-03	1.07E-01	6.86E-03	9.96E-08	6.83E-05	4.48E-05	6.97E-03	8.72E-03	9.22E-02	5.12E-03	1.64E-03	1.08E-01
5961	483296.66	3857125.32	1.84304	2.86632	0.7767	0.5365	7.45E-03	8.55E-02	4.95E-03	1.69E-03	9.96E-02	6.78E-03	9.24E-08	6.61E-05	4.62E-05	6.89E-03	8.62E-03	8.55E-02	4.95E-03	1.69E-03	1.01E-01
5962	483210.54	3857124.39	1.77845	2.69203	0.7437	0.49064	7.19E-03	8.03E-02	4.74E-03	1.55E-03	9.38E-02	6.54E-03	8.68E-08	6.32E-05	4.22E-05	6.64E-03	8.32E-03	8.03E-02	4.74E-03	1.55E-03	9.49E-02
5963	483123.4	3857030.96	1.73945	2.77706	0.7908	0.38598	7.03E-03	8.28E-02	5.04E-03	1.22E-03	9.61E-02	6.40E-03	8.95E-08	6.73E-05	3.32E-05	6.50E-03	8.13E-03	8.28E-02	5.04E-03	1.22E-03	9.72E-02
5964	483122.38	3856938.46	1.77532	2.86874	0.7665	0.27875	7.18E-03	8.56E-02	4.89E-03	8.80E-04	9.85E-02	6.53E-03	9.25E-08	6.52E-05	2.40E-05	6.62E-03	8.30E-03	8.56E-02	4.89E-03	8.80E-04	9.97E-02
5965	483121.35	3856845.97	1.81857	3.06344	0.7256	0.24326	7.35E-03	9.14E-02	4.63E-03	7.68E-04	1.04E-01	6.69E-03	9.87E-08	6.17E-05	2.09E-05	6.77E-03	8.50E-03	9.14E-02	4.63E-03	7.68E-04	1.05E-01
5966	483120.33	3856753.47	1.84643	3.25317	0.7313	0.25562	7.46E-03	9.71E-02	4.66E-03	8.07E-04	1.10E-01	6.79E-03	1.05E-07	6.22E-05	2.20E-05	6.87E-03	8.64E-03	9.71E-02	4.66E-03	8.07E-04	1.11E-01
5967	483119.31	3856660.98	1.93184	3.4031	0.7528	0.28112	7.81E-03	1.02E-01	4.80E-03	8.88E-04	1.15E-01	7.10E-03	1.10E-07	6.40E-05	2.42E-05	7.19E-03	9.03E-03	1.02E-01	4.80E-03	8.88E-04	1.16E-01
5968	483118.29	3856568.49	1.94947	3.33965	0.7568	0.31544	7.88E-03	9.96E-02	4.83E-03	9.96E-04	1.13E-01	7.17E-03	1.08E-07	6.44E-05	2.72E-05	7.26E-03	9.12E-03	9.96E-02	4.83E-03	9.96E-04	1.15E-01
5969	483117.26	3856475.99	1.9668	3.34663	0.681	0.34674	7.95E-03	9.98E-02	4.34E-03	1.09E-03	1.13E-01	7.23E-03	1.08E-07	5.79E-05	2.99E-05	7.32E-03	9.20E-03	9.98E-02	4.34E-03	1.09E-03	1.14E-01
5970	483116.24	3856383.5	2.04461	3.43074	0.7074	0.41622	8.26E-03	1.02E-01	4.51E-03	1.31E-03	1.16E-01	7.52E-03	1.11E-07	6.02E-05	3.58E-05	7.61E-03	9.56E-03	1.02E-01	4.51E-03	1.31E-03	1.18E-01
5971	483115.22	3856291.01	2.08497	3.48469	0.6873	0.48776	8.43E-03	1.04E-01	4.38E-03	1.54E-03	1.18E-01	7.67E-03	1.12E-07	5.85E-05	4.20E-05	7.77E-03	9.75E-03	1.04E-01	4.38E-03	1.54E-03	1.20E-01
5972	483114.2	3856198.51	2.09086	3.49506	0.6671	0.61117	8.45E-03	1.04E-01	4.26E-03	1.93E-03	1.19E-01	7.69E-03	1.13E-07	5.67E-05	5.26E-05	7.80E-03	9.78E-03	1.04E-01	4.26E-03	1.93E-03	1.20E-01
5973	483113.17	3856106.02	2.13528	3.47271	0.6656	0.62625	8.63E-03	1.04E-01	4.25E-03	1.98E-03	1.18E-01	7.85E-03	1.12E-07	5.66E-05	5.39E-05	7.96E-03	9.99E-03	1.04E-01	4.25E-03	1.98E-03	1.20E-01
5974	483112.15	3856013.52	2.27318	3.6848	0.5911	0.69365	9.19E-03	1.10E-01	3.77E-03	2.19E-03	1.25E-01	8.36E-03	1.19E-07	5.03E-05	5.97E-05	8.47E-03	1.06E-02	1.10E-01	3.77E-03	2.19E-03	1.27E-01

5975	483029.25	3855920.47	2.22358	3.25878	0.5663	0.59058	8.99E-03	9.72E-02	3.61E-03	1.86E-03	1.12E-01	8.17E-03	1.05E-07	4.82E-05	5.09E-05	8.27E-03	1.04E-02	9.72E-02	3.61E-03	1.86E-03	1.13E-01
5976	482947.37	3855919.91	2.14637	3.02087	0.5735	0.53274	8.68E-03	9.01E-02	3.66E-03	1.68E-03	1.04E-01	7.89E-03	9.74E-08	4.88E-05	4.59E-05	7.99E-03	1.00E-02	9.01E-02	3.66E-03	1.68E-03	1.06E-01
5977	482865.49	3855919.36	2.0237	2.93636	0.5772	0.45272	8.18E-03	8.76E-02	3.68E-03	1.43E-03	1.01E-01	7.44E-03	9.46E-08	4.91E-05	3.90E-05	7.53E-03	9.46E-03	8.76E-02	3.68E-03	1.43E-03	1.02E-01
5978	482783.61	3855918.8	1.98751	2.66606	0.5963	0.3947	8.03E-03	7.95E-02	3.80E-03	1.25E-03	9.26E-02	7.31E-03	8.59E-08	5.07E-05	3.40E-05	7.39E-03	9.29E-03	7.95E-02	3.80E-03	1.25E-03	9.39E-02
5979	482700.33	3855818.39	1.83176	2.74216	0.5588	0.50409	7.40E-03	8.18E-02	3.56E-03	1.59E-03	9.44E-02	6.73E-03	8.84E-08	4.75E-05	4.34E-05	6.83E-03	8.57E-03	8.18E-02	3.56E-03	1.59E-03	9.55E-02
5980	482698.92	3855718.54	1.8758	2.73933	0.484	0.42362	7.58E-03	8.17E-02	3.09E-03	1.34E-03	9.37E-02	6.90E-03	8.83E-08	4.12E-05	3.65E-05	6.97E-03	8.77E-03	8.17E-02	3.09E-03	1.34E-03	9.49E-02
5981	482697.52	3855618.68	1.89038	2.9414	0.4578	0.41063	7.64E-03	8.78E-02	2.92E-03	1.30E-03	9.96E-02	6.95E-03	9.48E-08	3.89E-05	3.54E-05	7.02E-03	8.84E-03	8.78E-02	2.92E-03	1.30E-03	1.01E-01
5982	482696.11	3855518.83	1.95267	2.92294	0.428	0.31532	7.89E-03	8.72E-02	2.73E-03	9.96E-04	9.88E-02	7.18E-03	9.42E-08	3.64E-05	2.72E-05	7.24E-03	9.13E-03	8.72E-02	2.73E-03	9.96E-04	1.00E-01
5983	482694.71	3855418.98	1.9527	2.82992	0.327	0.26677	7.89E-03	8.44E-02	2.09E-03	8.42E-04	9.52E-02	7.18E-03	9.12E-08	2.78E-05	2.30E-05	7.23E-03	9.13E-03	8.44E-02	2.09E-03	8.42E-04	9.65E-02
5984	482693.3	3855319.13	1.95343	2.53072	0.2369	0.26613	7.90E-03	7.55E-02	1.51E-03	8.40E-04	8.57E-02	7.18E-03	8.16E-08	2.02E-05	2.29E-05	7.22E-03	9.14E-03	7.55E-02	1.51E-03	8.40E-04	8.70E-02
5985	482691.9	3855219.27	1.87722	2.29938	0.2493	0.28369	7.59E-03	6.86E-02	1.59E-03	8.96E-04	7.87E-02	6.90E-03	7.41E-08	2.12E-05	2.44E-05	6.95E-03	8.78E-03	6.86E-02	1.59E-03	8.96E-04	7.99E-02
5986	482690.49	3855119.42	1.74285	2.12062	0.2647	0.70196	7.04E-03	6.33E-02	1.69E-03	2.22E-03	7.42E-02	6.41E-03	6.83E-08	2.25E-05	6.04E-05	6.49E-03	8.15E-03	6.33E-02	1.69E-03	2.22E-03	7.53E-02
5987	482689.09	3855019.57	1.68369	1.75617	0.3304	0.77162	6.81E-03	5.24E-02	2.11E-03	2.44E-03	6.37E-02	6.19E-03	5.66E-08	2.81E-05	6.64E-05	6.28E-03	7.87E-03	5.24E-02	2.11E-03	2.44E-03	6.48E-02
5988	482687.68	3854919.71	1.57808	1.71844	0.2801	0.49002	6.38E-03	5.13E-02	1.79E-03	1.55E-03	6.10E-02	5.80E-03	5.54E-08	2.38E-05	4.22E-05	5.87E-03	7.38E-03	5.13E-02	1.79E-03	1.55E-03	6.20E-02
5989	482686.28	3854819.86	1.60226	1.471	0.2908	0.34931	6.48E-03	4.39E-02	1.86E-03	1.10E-03	5.33E-02	5.89E-03	4.74E-08	2.47E-05	3.01E-05	5.95E-03	7.49E-03	4.39E-02	1.86E-03	1.10E-03	5.43E-02
5990	482684.88	3854720.01	1.59347	1.36447	0.2914	0.31115	6.44E-03	4.07E-02	1.86E-03	9.82E-04	5.00E-02	5.86E-03	4.40E-08	2.48E-05	2.68E-05	5.91E-03	7.45E-03	4.07E-02	1.86E-03	9.82E-04	5.10E-02
5991	482683.47	3854620.16	1.79035	1.1838	0.2752	0.24642	7.24E-03	3.53E-02	1.76E-03	7.78E-04	4.51E-02	6.58E-03	3.82E-08	2.34E-05	2.12E-05	6.63E-03	8.37E-03	3.53E-02	1.76E-03	7.78E-04	4.62E-02
5992	482682.07	3854520.31	1.88679	1.06183	0.251	0.24581	7.63E-03	3.17E-02	1.60E-03	7.76E-04	4.17E-02	6.94E-03	3.42E-08	2.13E-05	2.12E-05	6.98E-03	8.82E-03	3.17E-02	1.60E-03	7.76E-04	4.29E-02
5993	482680.66	3854420.45	1.82011	0.97399	0.2201	0.27813	7.36E-03	2.91E-02	1.40E-03	8.78E-04	3.87E-02	6.69E-03	3.14E-08	1.87E-05	2.39E-05	6.73E-03	8.51E-03	2.91E-02	1.40E-03	8.78E-04	3.99E-02
5994	482679.26	3854320.6	1.63234	0.86915	0.2304	0.26982	6.60E-03	2.59E-02	1.47E-03	8.52E-04	3.48E-02	6.00E-03	2.80E-08	1.96E-05	2.32E-05	6.04E-03	7.63E-03	2.59E-02	1.47E-03	8.52E-04	3.59E-02
5995	482677.85	3854220.75	1.79844	0.73579	0.1765	0.25972	7.27E-03	2.20E-02	1.13E-03	8.20E-04	3.12E-02	6.61E-03	2.37E-08	1.50E-05	2.24E-05	6.65E-03	8.41E-03	2.20E-02	1.13E-03	8.20E-04	3.23E-02
5996	482676.45	3854120.9	1.89951	0.68153	0.1867	0.22678	7.68E-03	2.03E-02	1.19E-03	7.16E-04	2.99E-02	6.98E-03	2.20E-08	1.59E-05	1.95E-05	7.02E-03	8.88E-03	2.03E-02	1.19E-03	7.16E-04	3.11E-02
5997	482675.04	3854021.04	1.82579	0.63453	0.197	0.19179	7.38E-03	1.89E-02	1.26E-03	6.06E-04	2.82E-02	6.71E-03	2.05E-08	1.68E-05	1.65E-05	6.75E-03	8.54E-03	1.89E-02	1.26E-03	6.06E-04	2.93E-02
5998	482673.64	3853921.19	1.61494	0.57257	0.2162	0.20094	6.53E-03	1.71E-02	1.38E-03	6.34E-04	2.56E-02	5.94E-03	1.85E-08	1.84E-05	1.73E-05	5.97E-03	7.55E-03	1.71E-02	1.38E-03	6.34E-04	2.66E-02
5999	482672.23	3853821.34	1.66855	0.53327	0.2348	0.21447	6.74E-03	1.59E-02	1.50E-03	6.77E-04	2.48E-02	6.13E-03	1.72E-08	2.00E-05	1.85E-05	6.17E-03	7.80E-03	1.59E-02	1.50E-03	6.77E-04	2.59E-02
6000	482670.83	3853721.48	1.43676	0.49884	0.2255	0.22652	5.81E-03	1.49E-02	1.44E-03	7.15E-04	2.28E-02	5.28E-03	1.61E-08	1.92E-05	1.95E-05	5.32E-03	6.72E-03	1.49E-02	1.44E-03	7.15E-04	2.38E-02
6001	482669.42	3853621.63	1.45531	0.47185	0.2284	0.22172	5.88E-03	1.41E-02	1.46E-03	7.00E-04	2.21E-02	5.35E-03	1.52E-08	1.94E-05	1.91E-05	5.39E-03	6.81E-03	1.41E-02	1.46E-03	7.00E-04	2.30E-02
6002	482645.99	3853446.13	1.37207	0.46132	0.2337	0.20242	5.55E-03	1.38E-02	1.49E-03	6.39E-04	2.14E-02	5.04E-03	1.49E-08	1.99E-05	1.74E-05	5.08E-03	6.42E-03	1.38E-02	1.49E-03	6.39E-04	2.23E-02
6003	482623.97	3853370.48	1.51801	0.45109	0.2268	0.19583	6.14E-03	1.35E-02	1.45E-03	6.18E-04	2.17E-02	5.58E-03	1.45E-08	1.93E-05	1.69E-05	5.62E-03	7.10E-03	1.35E-02	1.45E-03	6.18E-04	2.26E-02
6004	482601.94	3853294.84	1.46746	0.42535	0.2187	0.18996	5.93E-03	1.27E-02	1.39E-03	6.00E-04	2.06E-02	5.40E-03	1.37E-08	1.86E-05	1.64E-05	5.43E-03	6.86E-03	1.27E-02	1.39E-03	6.00E-04	2.15E-02
6005	482531.29	3853133.44	1.51954	0.40273	0.2009	0.17902	6.14E-03	1.20E-02	1.28E-03	5.65E-04	2.00E-02	5.59E-03	1.30E-08	1.71E-05	1.54E-05	5.62E-03	7.11E-03	1.20E-02	1.28E-03	5.65E-04	2.10E-02
6006	482482.68	3853047.69	1.42413	0.39818	0.1921	0.17262	5.76E-03	1.19E-02	1.23E-03	5.45E-04	1.94E-02	5.24E-03	1.28E-08	1.63E-05	1.49E-05	5.27E-03	6.66E-03	1.19E-02	1.23E-03	5.45E-04	2.03E-02
6007	482383.09	3852897.4	1.41532	0.39474	0.1785	0.16016	5.72E-03	1.18E-02	1.14E-03	5.06E-04	1.91E-02	5.20E-03	1.27E-08	1.52E-05	1.38E-05	5.23E-03	6.62E-03	1.18E-02	1.14E-03	5.06E-04	2.00E-02
6008	482265.64	3852765.26	1.36851	0.37611	0.1709	0.13522	5.53E-03	1.12E-02	1.09E-03	4.27E-04	1.83E-02	5.03E-03	1.21E-08	1.45E-05	1.16E-05	5.06E-03	6.40E-03	1.12E-02	1.09E-03	4.27E-04	1.91E-02
6009	482199.16	3852697.66	1.33842	0.36668	0.168	0.13267	5.41E-03	1.09E-02	1.07E-03	4.19E-04	1.78E-02	4.92E-03	1.18E-08	1.43E-05	1.14E-05	4.95E-03	6.26E-03	1.09E-02	1.07E-03	4.19E-04	1.87E-02
6010	482132.69	3852630.07	1.31077	0.35966	0.1651	0.13221	5.30E-03	1.07E-02	1.05E-03	4.17E-04	1.75E-02	4.82E-03	1.16E-08	1.40E-05	1.14E-05	4.84E-03	6.13E-03	1.07E-02	1.05E-03	4.17E-04	1.83E-02
6011	482066.21	3852562.48	1.28313	0.37287	0.1623	0.13163	5.19E-03	1.11E-02	1.04E-03	4.16E-04	1.78E-02	4.72E-03	1.20E-08	1.38E-05	1.13E-05	4.74E-03	6.00E-03	1.11E-02	1.04E-03	4.16E-04	1.86E-02
6012	481999.74	3852494.89	1.25502	0.3919	0.1596	0.13092	5.07E-03	1.17E-02	1.02E-03	4.13E-04	1.82E-02	4.61E-03	1.26E-08	1.36E-05	1.13E-05	4.64E-03	5.87E-03	1.17E-02	1.02E-03	4.13E-04	1.90E-02
6013	481933.26	3852427.29	1.22784	0.40137	0.1569	0.13011	4.96E-03	1.20E-02	1.00E-03	4.11E-04	1.83E-02	4.51E-03	1.29E-08	1.33E-05	1.12E-05	4.54E-03	5.74E-03	1.20E-02	1.00E-03	4.11E-04	1.91E-02
6014	481866.79	3852359.7	1.20437	0.40052	0.1542	0.12923	4.87E-03	1.19E-02	9.84E-04	4.08E-04	1.82E-02	4.43E-03	1.29E-08	1.31E-05	1.11E-05	4.45E-03	5.63E-03	1.19E-02	9.84E-04	4.08E-04	1.90E-02
6015	481800.31	3852292.11	1.18188	0.39792	0.1516	0.12828	4.78E-03	1.19E-02	9.67E-04	4.05E-04	1.80E-02	4.35E-03	1.28E-08	1.29E-05	1.10E-05	4.37E-03	5.53E-03	1.19E-02	9.67E-04	4.05E-04	1.88E-02
6016	481733.84	3852224.52	1.15928	0.39458	0.1491	0.12724	4.69E-03	1.18E-02	9.51E-04	4.02E-04	1.78E-02	4.26E-03	1.27E-08	1.27E-05	1.10E-05	4.29E-03	5.42E-03	1.18E-02	9.51E-04	4.02E-04	1.85E-02
6017	481667.36	3852156.92	1.13807	0.38996	0.1462	0.12615	4.60E-03	1.16E-02	9.32E-04	3.98E-04	1.76E-02	4.18E-03	1.26E-08	1.24E-05	1.09E-05	4.21E-03	5.32E-03	1.16E-02	9.32E-04	3.98E-04	1.83E-02
6018	481600.89	3852089.33	1.11178	0.38951	0.1425	0.12495	4.49E-03	1.16E-02	9.09E-04	3.95E-04	1.74E-02	4.09E-03	1.26E-08	1.21E-05	1.08E-05	4.11E-03	5.20E-03	1.16E-02	9.09E-04	3.95E-04	1.81E-02
6019	481534.41	3852021.74	1.08852	0.39046	0.139	0.12367	4.40E-03	1.16E-02	8.87E-04	3.90E-04	1.73E-02	4.00E-03	1.26E-08	1.18E-05	1.06E-05	4.02E-03	5.09E-03	1.16E-02	8.87E-04	3.90E-04	1.80E-02
6020	481467.94	3851954.15	1.06683	0.39118	0.1355	0.12237	4.31E-03	1.17E-02	8.65E-04	3.86E-04	1.72E-02	3.92E-03	1.26E-08	1.15E-05	1.05E-05	3.94E-03	4.99E-03	1.17E-02	8.65E-04	3.86E-04	1.79E-02
6021	481401.46	3851886.55	1.04747	0.39065	0.1321	0.12106	4.23E-03	1.17E-02	8.42E-04	3.82E-04	1.71E-02	3.85E-03	1.26E-08	1.12E-05	1.04E-05	3.87E-03	4.90E-03	1.17E-02	8.42E-04	3.82E-04	1.78E-02
6022	481265.87	3851761.43	1.00119	0.35984	0.1288	0.11625	4.05E-03	1.07E-02	8.22E-04	3.67E-04	1.60E-02	3.68E-03	1.16E-08	1.10E-05	1.00E-05	3.70E-03	4.68E-03	1.07E-02	8.22E-04	3.67E-04	1.66E-02
6023	481196.74	3851703.89	0.97912	0.37235	0.1288	0.11547	3.96E-03	1.11E-02	8.21E-04	3.65E-04	1.63E-02	3.60E-03	1.20E-08	1.09E-05	9.94E-06	3.62E-03	4.58E-03	1.11E-02	8.21E-04	3.65E-04	1.69E-02
6024	481076.33	3851619.04	0.92772	0.34694	0.1327	0.11268	3.75E-03	1.04E-02	8.46E-04	3.56E-04	1.53E-02	3.41E-03	1.12E-08	1.13E-05	9.70E-06	3.43E-03	4.34E-03	1.04E-02	8.46E-04	3.56E-04	1.59E-02
6025	480939.8	3851549.07	0.86366	0.35481	0.1417	0.10894	3.49E-03	1.06E-02	9.04E-04	3.44E-04	1.53E-02	3.18E-03	1.14E-08	1.21E-05	9.38E-06	3.20E-03	4.04E-03	1.06E-02	9.04E-04	3.44E-04	1.59E-02
6026	480854.56	3851506.41	0.84589	0.36867	0.1452	0.10735	3.42E-03	1.10E-02	9.26E-04	3.39E-04	1.57E-02	3.11E-03	1.19E-08	1.23E-05	9.24E-06	3.13E-03	3.96E-03	1.10E-02	9.26E-04	3.39E-04	1.62E-02
6027	480769.32	3851463.75	0.82287	0.35841	0.1485	0.10463	3.33E-03	1.07E-02	9.47E-04	3.30E-04	1.53E-02	3.03E-03	1.16E-08	1.26E-05	9.01E-06	3.05E-03	3.85E-03	1.07E-02	9.47E-04	3.30E-04	1.58E-02
6028	480684.08	3851421.08	0.81587	0.3388	0.1516	0.10521	3.30E-03	1.01E-02	9.67E-04	3.32E-04	1.47E-02	3.00E-03	1.09E-08	1.29E-05	9.06E-06	3.02E-03	3.82E-03	1.01E-02	9.67E-04	3.32E-04	1.52E-02
6029	480598.84	3851378.42	0.7978	0.31558	0.1545	0.1082	3.22E-03	9.41E-03	9.85E-04	3.42E-04	1.40E-02	2.93E-03	1.02E-08	1.31E-05	9.32E-06	2.96E-03	3.73E-03	9.41E-03	9.85E-04	3.42E-04	1.45E-02
6030	480435.71	3851275.01	0.74734	0.31857	0.157	0.11209	3.02E-03	9.50E-03	1.00E-03	3.54E-04	1.39E-02	2.75E-03	1.03E-08	1.33E-05	9.65E-06	2.77E-03	3.50E-03	9.50E-03	1.00E-03	3.54E-04	1.44E-02
6031	480347.85	3851232.36	0.70844	0.32569	0.1597	0.11542	2.86E-03	9.72E-03	1.02E-03	3.64E-04	1.40E-02	2.60E-03	1.05E-08	1.36E-05	9.94E-06	2.63E-03	3.31E-03	9.72E-03	1.02E-03	3.64E-04	1.44E-02
6032	480260	3851189.72	0.71206	0.336	0.1622	0.11272	2.88E-03	1.00E-02	1.03E-03	3.56E-04	1.43E-02	2.62E-03	1.08E-08	1.38E-05	9.71E-06	2.64E-03	3.33E-03	1.00E-02	1.03E-03	3.56E-04	1.47E-02
6033	480172.15	3851147.07	0.66445	0.34471	0.1645	0.10893	2.69E-03	1.03E-02	1.05E-03	3.44E-04	1.44E-02	2.44E-03	1.11E-08	1.40E-05	9.38E-06	2.47E-03	3.11E-03	1.03E-02	1.05E-03	3.44E-04	1.48E-02
6034	480084.29	3851104.42	0.61502	0.35116	0.1665	0.10529	2.49E-03	1.05E-02	1.06E-03	3.32E-04	1.44E-02	2.26E-03	1.13E-08	1.42E-05	9.07E-06	2.28E-03	2.88E-03	1.05E-02	1.06E-03	3.32E-04	1.47E-02
6035	479996.44	3851061.77	0.61164	0.33938	0.1684	0.1018	2.47E-03	1.01E-02	1.07E-03	3.21E-04	1.40E-02	2.25E-03	1.09E-08	1.43E-05	8.77E-06	2.27E-03	2.86E-03	1.01E-02	1.07E-03	3.21E-04	1.44E-02

6036	479908.58	3851019.13	0.59842	0.32311	0.1699	0.09861	2.42E-03	9.64E-03	1.08E-03	3.11E-04	1.35E-02	2.20E-03	1.04E-08	1.45E-05	8.49E-06	2.22E-03	2.80E-03	9.64E-03	1.08E-03	3.11E-04	1.38E-02
6037	479820.73	3850976.48	0.56266	0.32733	0.1714	0.09539	2.27E-03	9.77E-03	1.09E-03	3.01E-04	1.34E-02	2.07E-03	1.06E-08	1.46E-05	8.21E-06	2.09E-03	2.63E-03	9.77E-03	1.09E-03	3.01E-04	1.38E-02
6038	479732.88	3850933.83	0.55598	0.33681	0.1688	0.0953	2.25E-03	1.00E-02	1.08E-03	3.01E-04	1.37E-02	2.04E-03	1.09E-08	1.44E-05	8.21E-06	2.07E-03	2.60E-03	1.00E-02	1.08E-03	3.01E-04	1.40E-02
6039	479645.02	3850891.18	0.54922	0.33433	0.166	0.09683	2.22E-03	9.97E-03	1.06E-03	3.06E-04	1.36E-02	2.02E-03	1.08E-08	1.41E-05	8.34E-06	2.04E-03	2.57E-03	9.97E-03	1.06E-03	3.06E-04	1.39E-02
6040	479557.17	3850848.54	0.53727	0.31278	0.1633	0.09826	2.17E-03	9.33E-03	1.04E-03	3.10E-04	1.29E-02	1.98E-03	1.01E-08	1.39E-05	8.46E-06	2.00E-03	2.51E-03	9.33E-03	1.04E-03	3.10E-04	1.32E-02
6041	479469.32	3850805.89	0.51211	0.29876	0.1606	0.09957	2.07E-03	8.91E-03	1.02E-03	3.14E-04	1.23E-02	1.88E-03	9.63E-09	1.37E-05	8.57E-06	1.91E-03	2.39E-03	8.91E-03	1.02E-03	3.14E-04	1.26E-02
6042	479381.46	3850763.24	0.48524	0.3049	0.1579	0.10077	1.96E-03	9.10E-03	1.01E-03	3.18E-04	1.24E-02	1.78E-03	9.83E-09	1.34E-05	8.68E-06	1.81E-03	2.27E-03	9.10E-03	1.01E-03	3.18E-04	1.27E-02
6043	479293.61	3850720.59	0.48453	0.31702	0.1551	0.10187	1.96E-03	9.46E-03	9.90E-04	3.22E-04	1.27E-02	1.78E-03	1.02E-08	1.32E-05	8.77E-06	1.80E-03	2.27E-03	9.46E-03	9.90E-04	3.22E-04	1.30E-02
6044	479205.76	3850677.95	0.4634	0.32066	0.1524	0.1016	1.87E-03	9.57E-03	9.72E-04	3.21E-04	1.27E-02	1.70E-03	1.03E-08	1.30E-05	8.75E-06	1.73E-03	2.17E-03	9.57E-03	9.72E-04	3.21E-04	1.30E-02
6045	479117.9	3850635.3	0.48285	0.31784	0.1497	0.099	1.95E-03	9.48E-03	9.55E-04	3.13E-04	1.27E-02	1.78E-03	1.02E-08	1.27E-05	8.52E-06	1.80E-03	2.26E-03	9.48E-03	9.55E-04	3.13E-04	1.30E-02
6046	479030.05	3850592.65	0.49041	0.32968	0.1471	0.09628	1.98E-03	9.84E-03	9.38E-04	3.04E-04	1.31E-02	1.80E-03	1.06E-08	1.25E-05	8.29E-06	1.82E-03	2.29E-03	9.84E-03	9.38E-04	3.04E-04	1.34E-02
6047	478942.19	3850550	0.47998	0.32227	0.1447	0.09465	1.94E-03	9.61E-03	9.23E-04	2.99E-04	1.28E-02	1.76E-03	1.04E-08	1.23E-05	8.15E-06	1.79E-03	2.24E-03	9.61E-03	9.23E-04	2.99E-04	1.31E-02
6048	478854.34	3850507.36	0.49609	0.29695	0.1426	0.0916	2.01E-03	8.86E-03	9.09E-04	2.89E-04	1.21E-02	1.82E-03	9.57E-09	1.21E-05	7.89E-06	1.84E-03	2.32E-03	8.86E-03	9.09E-04	2.89E-04	1.24E-02
6049	478766.49	3850464.71	0.51224	0.29193	0.1402	0.08861	2.07E-03	8.71E-03	8.94E-04	2.80E-04	1.20E-02	1.88E-03	9.41E-09	1.19E-05	7.63E-06	1.90E-03	2.40E-03	8.71E-03	8.94E-04	2.80E-04	1.23E-02
6050	478678.63	3850422.06	0.48453	0.30044	0.1378	0.08801	1.96E-03	8.96E-03	8.79E-04	2.78E-04	1.21E-02	1.78E-03	9.68E-09	1.17E-05	7.58E-06	1.80E-03	2.27E-03	8.96E-03	8.79E-04	2.78E-04	1.24E-02
6051	478590.78	3850379.41	0.49712	0.30661	0.1355	0.08767	2.01E-03	9.15E-03	8.64E-04	2.77E-04	1.23E-02	1.83E-03	9.88E-09	1.15E-05	7.55E-06	1.85E-03	2.32E-03	9.15E-03	8.64E-04	2.77E-04	1.26E-02
6052	478502.93	3850336.77	0.50611	0.30946	0.1332	0.08362	2.05E-03	9.23E-03	8.49E-04	2.64E-04	1.24E-02	1.86E-03	9.97E-09	1.13E-05	7.20E-06	1.88E-03	2.37E-03	9.23E-03	8.49E-04	2.64E-04	1.27E-02
6053	478415.07	3850294.12	0.50927	0.30004	0.1309	0.07945	2.06E-03	8.95E-03	8.35E-04	2.51E-04	1.21E-02	1.87E-03	9.67E-09	1.11E-05	6.84E-06	1.89E-03	2.38E-03	8.95E-03	8.35E-04	2.51E-04	1.24E-02
6054	478327.22	3850251.47	0.51077	0.30131	0.1286	0.07556	2.06E-03	8.99E-03	8.20E-04	2.39E-04	1.21E-02	1.88E-03	9.71E-09	1.09E-05	6.51E-06	1.90E-03	2.39E-03	8.99E-03	8.20E-04	2.39E-04	1.24E-02
6055	478239.36	3850208.82	0.49249	0.30407	0.1264	0.07232	1.99E-03	9.07E-03	8.06E-04	2.28E-04	1.21E-02	1.81E-03	9.80E-09	1.07E-05	6.23E-06	1.83E-03	2.30E-03	9.07E-03	8.06E-04	2.28E-04	1.24E-02
6056	478151.51	3850166.18	0.46155	0.30742	0.1242	0.0716	1.87E-03	9.17E-03	7.92E-04	2.26E-04	1.21E-02	1.70E-03	9.91E-09	1.06E-05	6.17E-06	1.71E-03	2.16E-03	9.17E-03	7.92E-04	2.26E-04	1.23E-02
6057	478063.66	3850123.53	0.47568	0.31039	0.122	0.0733	1.92E-03	9.26E-03	7.78E-04	2.31E-04	1.22E-02	1.75E-03	1.00E-08	1.04E-05	6.31E-06	1.77E-03	2.22E-03	9.26E-03	7.78E-04	2.31E-04	1.25E-02
6058	477975.8	3850080.88	0.4538	0.33199	0.1197	0.07478	1.83E-03	9.90E-03	7.64E-04	2.36E-04	1.27E-02	1.67E-03	1.07E-08	1.02E-05	6.44E-06	1.69E-03	2.12E-03	9.90E-03	7.64E-04	2.36E-04	1.30E-02
6059	477887.95	3850038.23	0.43375	0.3301	0.1214	0.07622	1.75E-03	9.85E-03	7.74E-04	2.41E-04	1.26E-02	1.59E-03	1.06E-08	1.03E-05	6.56E-06	1.61E-03	2.03E-03	9.85E-03	7.74E-04	2.41E-04	1.29E-02
6060	477800.1	3849995.59	0.41065	0.33616	0.1248	0.07753	1.66E-03	1.00E-02	7.96E-04	2.45E-04	1.27E-02	1.51E-03	1.08E-08	1.06E-05	6.68E-06	1.53E-03	1.92E-03	1.00E-02	7.96E-04	2.45E-04	1.30E-02
6061	477712.24	3849952.94	0.41262	0.33648	0.1226	0.07875	1.67E-03	1.00E-02	7.82E-04	2.49E-04	1.27E-02	1.52E-03	1.08E-08	1.04E-05	6.78E-06	1.53E-03	1.93E-03	1.00E-02	7.82E-04	2.49E-04	1.30E-02
6062	477624.39	3849910.29	0.39625	0.33436	0.1195	0.07992	1.60E-03	9.98E-03	7.62E-04	2.52E-04	1.26E-02	1.46E-03	1.08E-08	1.02E-05	6.88E-06	1.47E-03	1.85E-03	9.98E-03	7.62E-04	2.52E-04	1.28E-02
6063	477536.54	3849867.64	0.37727	0.3318	0.1165	0.08078	1.53E-03	9.90E-03	7.43E-04	2.55E-04	1.24E-02	1.39E-03	1.07E-08	9.91E-06	6.96E-06	1.40E-03	1.76E-03	9.90E-03	7.43E-04	2.55E-04	1.27E-02
6064	477448.68	3849825	0.38545	0.32505	0.1136	0.08162	1.56E-03	9.70E-03	7.24E-04	2.58E-04	1.22E-02	1.42E-03	1.05E-08	9.66E-06	7.03E-06	1.43E-03	1.80E-03	9.70E-03	7.24E-04	2.58E-04	1.25E-02
6065	477360.83	3849782.35	0.39032	0.33139	0.1107	0.08232	1.58E-03	9.89E-03	7.06E-04	2.60E-04	1.24E-02	1.44E-03	1.07E-08	9.41E-06	7.09E-06	1.45E-03	1.83E-03	9.89E-03	7.06E-04	2.60E-04	1.27E-02
6066	477272.97	3849739.7	0.37124	0.32223	0.1079	0.08291	1.50E-03	9.61E-03	6.88E-04	2.62E-04	1.21E-02	1.36E-03	1.04E-08	9.17E-06	7.14E-06	1.38E-03	1.74E-03	9.61E-03	6.88E-04	2.62E-04	1.23E-02
6067	477185.12	3849697.05	0.37874	0.31824	0.1051	0.08334	1.53E-03	9.49E-03	6.70E-04	2.63E-04	1.20E-02	1.39E-03	1.03E-08	8.94E-06	7.18E-06	1.41E-03	1.77E-03	9.49E-03	6.70E-04	2.63E-04	1.22E-02
6068	477097.27	3849654.41	0.39219	0.30958	0.1024	0.08367	1.59E-03	9.24E-03	6.53E-04	2.64E-04	1.17E-02	1.44E-03	9.98E-09	8.71E-06	7.20E-06	1.46E-03	1.83E-03	9.24E-03	6.53E-04	2.64E-04	1.20E-02
6069	477009.41	3849611.76	0.4082	0.29255	0.0997	0.08391	1.65E-03	8.73E-03	6.36E-04	2.65E-04	1.13E-02	1.50E-03	9.43E-09	8.48E-06	7.23E-06	1.52E-03	1.91E-03	8.73E-03	6.36E-04	2.65E-04	1.15E-02
6070	476841.49	3849530.08	0.37479	0.27752	0.0951	0.08397	1.51E-03	8.28E-03	6.07E-04	2.65E-04	1.07E-02	1.38E-03	8.94E-09	8.09E-06	7.23E-06	1.39E-03	1.75E-03	8.28E-03	6.07E-04	2.65E-04	1.09E-02
6071	476761.41	3849491.05	0.36903	0.27308	0.0936	0.08383	1.49E-03	8.15E-03	5.97E-04	2.65E-04	1.05E-02	1.36E-03	8.80E-09	7.96E-06	7.22E-06	1.37E-03	1.73E-03	8.15E-03	5.97E-04	2.65E-04	1.07E-02
6072	476681.34	3849452.02	0.3805	0.28307	0.0921	0.08362	1.54E-03	8.44E-03	5.88E-04	2.64E-04	1.08E-02	1.40E-03	9.12E-09	7.83E-06	7.20E-06	1.41E-03	1.78E-03	8.44E-03	5.88E-04	2.64E-04	1.11E-02
6073	476601.26	3849412.99	0.3797	0.26987	0.0907	0.08334	1.53E-03	8.05E-03	5.78E-04	2.63E-04	1.04E-02	1.40E-03	8.70E-09	7.71E-06	7.18E-06	1.41E-03	1.78E-03	8.05E-03	5.78E-04	2.63E-04	1.07E-02
6074	476456.32	3849353.67	0.39738	0.24764	0.0877	0.08262	1.61E-03	7.39E-03	5.60E-04	2.61E-04	9.81E-03	1.46E-03	7.98E-09	7.46E-06	7.11E-06	1.48E-03	1.86E-03	7.39E-03	5.60E-04	2.61E-04	1.01E-02
6075	476305.43	3849318.83	0.40268	0.23705	0.0838	0.08548	1.63E-03	7.07E-03	5.35E-04	2.70E-04	9.50E-03	1.48E-03	7.64E-09	7.13E-06	7.36E-06	1.49E-03	1.88E-03	7.07E-03	5.35E-04	2.70E-04	9.76E-03
6076	476129.36	3849289.99	0.40435	0.22959	0.0791	0.0816	1.63E-03	6.85E-03	5.04E-04	2.58E-04	9.25E-03	1.49E-03	7.40E-09	6.72E-06	7.03E-06	1.50E-03	1.89E-03	6.85E-03	5.04E-04	2.58E-04	9.50E-03
6077	476039.31	3849275.68	0.40414	0.23061	0.0767	0.07952	1.63E-03	6.88E-03	4.89E-04	2.51E-04	9.25E-03	1.49E-03	7.43E-09	6.52E-06	6.85E-06	1.50E-03	1.89E-03	6.88E-03	4.89E-04	2.51E-04	9.51E-03
6078	475949.26	3849261.38	0.39599	0.22978	0.0731	0.07738	1.60E-03	6.86E-03	4.66E-04	2.44E-04	9.17E-03	1.46E-03	7.41E-09	6.22E-06	6.66E-06	1.47E-03	1.85E-03	6.86E-03	4.66E-04	2.44E-04	9.42E-03
6079	475859.21	3849247.08	0.39847	0.23061	0.0722	0.07935	1.61E-03	6.88E-03	4.60E-04	2.51E-04	9.20E-03	1.46E-03	7.43E-09	6.14E-06	6.83E-06	1.48E-03	1.86E-03	6.88E-03	4.60E-04	2.51E-04	9.45E-03
6080	475769.16	3849232.77	0.3824	0.22485	0.0717	0.08301	1.55E-03	6.71E-03	4.58E-04	2.62E-04	8.97E-03	1.41E-03	7.25E-09	6.10E-06	7.15E-06	1.42E-03	1.79E-03	6.71E-03	4.58E-04	2.62E-04	9.22E-03
6081	475585.22	3849219.27	0.37111	0.14812	0.0778	0.08101	1.50E-03	4.42E-03	4.96E-04	2.56E-04	6.67E-03	1.36E-03	4.77E-09	6.61E-06	6.98E-06	1.38E-03	1.74E-03	4.42E-03	4.96E-04	2.56E-04	6.91E-03
6082	475444.49	3849150.35	0.38608	0.17271	0.0798	0.07918	1.56E-03	5.15E-03	5.09E-04	2.50E-04	7.47E-03	1.42E-03	5.57E-09	6.78E-06	6.82E-06	1.43E-03	1.81E-03	5.15E-03	5.09E-04	2.50E-04	7.72E-03
6083	475334.17	3849118.71	0.38029	0.17774	0.0867	0.07701	1.54E-03	5.30E-03	5.53E-04	2.43E-04	7.64E-03	1.40E-03	5.73E-09	7.37E-06	6.63E-06	1.41E-03	1.78E-03	5.30E-03	5.53E-04	2.43E-04	7.88E-03
6084	475230.47	3849060.56	0.3824	0.17779	0.0882	0.0757	1.55E-03	5.30E-03	5.63E-04	2.39E-04	7.65E-03	1.41E-03	5.73E-09	7.50E-06	6.52E-06	1.42E-03	1.79E-03	5.30E-03	5.63E-04	2.39E-04	7.89E-03
6085	475110.86	3848960.97	0.37011	0.17647	0.0844	0.07513	1.50E-03	5.26E-03	5.38E-04	2.37E-04	7.54E-03	1.36E-03	5.69E-09	7.18E-06	6.47E-06	1.37E-03	1.73E-03	5.26E-03	5.38E-04	2.37E-04	7.77E-03
6086	475037.79	3848896.28	0.36962	0.17549	0.0813	0.07489	1.49E-03	5.24E-03	5.19E-04	2.36E-04	7.48E-03	1.36E-03	5.66E-09	6.92E-06	6.45E-06	1.37E-03	1.73E-03	5.24E-03	5.19E-04	2.36E-04	7.72E-03
6087	474964.72	3848831.59	0.36799	0.17209	0.0784	0.07464	1.49E-03	5.13E-03	5.00E-04	2.36E-04	7.36E-03	1.35E-03	5.55E-09	6.67E-06	6.43E-06	1.37E-03	1.72E-03	5.13E-03	5.00E-04	2.36E-04	7.59E-03
6088	474891.65	3848766.9	0.356	0.16949	0.0758	0.07441	1.44E-03	5.06E-03	4.83E-04	2.35E-04	7.21E-03	1.31E-03	5.46E-09	6.45E-06	6.41E-06	1.32E-03	1.66E-03	5.06E-03	4.83E-04	2.35E-04	7.44E-03
6089	474818.58	3848702.21	0.35065	0.16824	0.0733	0.07419	1.42E-03	5.02E-03	4.68E-04	2.34E-04	7.14E-03	1.29E-03	5.42E-09	6.24E-06	6.39E-06	1.30E-03	1.64E-03	5.02E-03	4.68E-04	2.34E-04	7.36E-03
6090	474745.51	3848637.53	0.35283	0.17191	0.0715	0.074	1.43E-03	5.13E-03	4.56E-04	2.34E-04	7.24E-03	1.30E-03	5.54E-09	6.08E-06	6.37E-06	1.31E-03	1.65E-03	5.13E-03	4.56E-04	2.34E-04	7.47E-03
6091	474672.44	3848572.84	0.34663	0.17104	0.0701	0.07379	1.40E-03	5.10E-03	4.47E-04	2.33E-04	7.18E-03	1.27E-03	5.51E-09	5.96E-06	6.35E-06	1.29E-03	1.62E-03	5.10E-03	4.47E-04	2.33E-04	7.40E-03
6092	474599.37	3848508.15	0.34987	0.16947	0.0686	0.07355	1.41E-03	5.06E-03	4.38E-04	2.32E-04	7.14E-03	1.29E-03	5.46E-09	5.84E-06	6.33E-06	1.30E-03	1.64E-03	5.06E-03	4.38E-04	2.32E-04	7.36E-03
6093	474526.3	3848443.46	0.34023	0.16704	0.069	0.07333	1.38E-03	4.98E-03	4.40E-04	2.32E-04	7.03E-03	1.25E-03	5.38E-09	5.87E-06	6.31E-06	1.26E-03	1.59E-03	4.98E-03	4.40E-04	2.32E-04	7.25E-03

			2033 Mitigated					2048 Unmitigated					2048 Mitigated				
			4.26E-03	7.65E-08	8.50E-05	8.61E-05		2.01E-03	3.15E-02	6.38E-03	3.16E-03		1.91E-03	6.27E-08	8.50E-05	8.61E-05	
			Concentration [ug/m^3]					Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARE	WHS (PAR	STCK1-10	STCK11-39	Total	CHE (PARE	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PAREA	WHS (PARE/	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	5.45E-03	1.35E-08	4.45E-05	3.74E-05	5.53E-03	2.57E-03	5.56E-03	3.34E-03	1.37E-03	1.28E-02	2.44E-03	1.11E-08	4.45E-05	3.74E-05	2.53E-03
2	486023.61	3854936.51	5.09E-03	1.33E-08	4.37E-05	3.98E-05	5.17E-03	2.40E-03	5.47E-03	3.28E-03	1.46E-03	1.26E-02	2.28E-03	1.09E-08	4.37E-05	3.98E-05	2.37E-03
3	486073.61	3854936.51	5.04E-03	1.31E-08	4.23E-05	4.09E-05	5.12E-03	2.38E-03	5.39E-03	3.17E-03	1.50E-03	1.24E-02	2.26E-03	1.07E-08	4.23E-05	4.09E-05	2.34E-03
4	486123.61	3854936.51	4.61E-03	1.27E-08	4.03E-05	4.54E-05	4.70E-03	2.17E-03	5.23E-03	3.02E-03	1.66E-03	1.21E-02	2.07E-03	1.04E-08	4.03E-05	4.54E-05	2.15E-03
5	486173.61	3854936.51	4.65E-03	1.28E-08	4.15E-05	4.07E-05	4.74E-03	2.20E-03	5.28E-03	3.11E-03	1.49E-03	1.21E-02	2.09E-03	1.05E-08	4.15E-05	4.07E-05	2.17E-03
6	486223.61	3854936.51	4.50E-03	1.29E-08	3.93E-05	3.91E-05	4.58E-03	2.12E-03	5.31E-03	2.95E-03	1.43E-03	1.18E-02	2.02E-03	1.06E-08	3.93E-05	3.91E-05	2.10E-03
7	486273.61	3854936.51	4.42E-03	1.29E-08	3.69E-05	3.77E-05	4.50E-03	2.08E-03	5.33E-03	2.77E-03	1.38E-03	1.16E-02	1.98E-03	1.06E-08	3.69E-05	3.77E-05	2.06E-03
8	486323.61	3854936.51	4.37E-03	1.29E-08	3.54E-05	4.10E-05	4.45E-03	2.06E-03	5.33E-03	2.66E-03	1.50E-03	1.16E-02	1.96E-03	1.06E-08	3.54E-05	4.10E-05	2.04E-03
9	485973.61	3854986.51	6.00E-03	1.43E-08	4.49E-05	4.34E-05	6.09E-03	2.83E-03	5.87E-03	3.37E-03	1.59E-03	1.37E-02	2.69E-03	1.17E-08	4.49E-05	4.34E-05	2.78E-03
10	486023.61	3854986.51	5.85E-03	1.40E-08	4.28E-05	4.74E-05	5.94E-03	2.76E-03	5.77E-03	3.21E-03	1.74E-03	1.35E-02	2.63E-03	1.15E-08	4.28E-05	4.74E-05	2.72E-03
11	486073.61	3854986.51	5.62E-03	1.36E-08	4.36E-05	4.32E-05	5.71E-03	2.65E-03	5.60E-03	3.27E-03	1.58E-03	1.31E-02	2.52E-03	1.12E-08	4.36E-05	4.32E-05	2.61E-03
12	486123.61	3854986.51	5.42E-03	1.34E-08	4.19E-05	4.16E-05	5.50E-03	2.56E-03	5.51E-03	3.14E-03	1.52E-03	1.27E-02	2.43E-03	1.10E-08	4.19E-05	4.16E-05	2.51E-03
13	486173.61	3854986.51	5.37E-03	1.33E-08	3.99E-05	4.15E-05	5.45E-03	2.53E-03	5.49E-03	2.99E-03	1.52E-03	1.25E-02	2.41E-03	1.09E-08	3.99E-05	4.15E-05	2.49E-03
14	486223.61	3854986.51	5.14E-03	1.34E-08	4.12E-05	4.26E-05	5.22E-03	2.42E-03	5.51E-03	3.09E-03	1.56E-03	1.26E-02	2.31E-03	1.10E-08	4.12E-05	4.26E-05	2.39E-03
15	486273.61	3854986.51	4.93E-03	1.33E-08	3.88E-05	4.80E-05	5.02E-03	2.33E-03	5.49E-03	2.91E-03	1.76E-03	1.25E-02	2.21E-03	1.09E-08	3.88E-05	4.80E-05	2.30E-03
16	486323.61	3854986.51	4.97E-03	1.34E-08	3.64E-05	5.25E-05	5.06E-03	2.34E-03	5.53E-03	2.73E-03	1.92E-03	1.25E-02	2.23E-03	1.10E-08	3.64E-05	5.25E-05	2.32E-03
17	485973.61	3855036.51	7.00E-03	1.48E-08	4.50E-05	4.56E-05	7.09E-03	3.30E-03	6.08E-03	3.38E-03	1.67E-03	1.44E-02	3.14E-03	1.21E-08	4.50E-05	4.56E-05	3.23E-03
18	486023.61	3855036.51	6.48E-03	1.46E-08	4.52E-05	4.41E-05	6.57E-03	3.06E-03	6.03E-03	3.39E-03	1.62E-03	1.41E-02	2.91E-03	1.20E-08	4.52E-05	4.41E-05	3.00E-03
19	486073.61	3855036.51	6.24E-03	1.43E-08	4.46E-05	4.44E-05	6.33E-03	2.94E-03	5.89E-03	3.35E-03	1.63E-03	1.38E-02	2.80E-03	1.17E-08	4.46E-05	4.44E-05	2.89E-03
20	486123.61	3855036.51	6.03E-03	1.40E-08	4.34E-05	4.45E-05	6.11E-03	2.84E-03	5.75E-03	3.25E-03	1.63E-03	1.35E-02	2.70E-03	1.15E-08	4.34E-05	4.45E-05	2.79E-03
21	486173.61	3855036.51	5.95E-03	1.39E-08	4.15E-05	4.97E-05	6.04E-03	2.81E-03	5.73E-03	3.11E-03	1.82E-03	1.35E-02	2.67E-03	1.14E-08	4.15E-05	4.97E-05	2.76E-03
22	486223.61	3855036.51	5.74E-03	1.38E-08	4.26E-05	5.45E-05	5.84E-03	2.71E-03	5.69E-03	3.19E-03	2.00E-03	1.36E-02	2.58E-03	1.13E-08	4.26E-05	5.45E-05	2.67E-03
23	486273.61	3855036.51	5.70E-03	1.39E-08	4.08E-05	5.36E-05	5.80E-03	2.69E-03	5.71E-03	3.06E-03	1.97E-03	1.34E-02	2.56E-03	1.14E-08	4.08E-05	5.36E-05	2.65E-03
24	486323.61	3855036.51	5.56E-03	1.36E-08	3.83E-05	4.94E-05	5.65E-03	2.62E-03	5.61E-03	2.88E-03	1.81E-03	1.29E-02	2.49E-03	1.12E-08	3.83E-05	4.94E-05	2.58E-03
25	485973.61	3855086.51	8.17E-03	1.54E-08	4.48E-05	4.49E-05	8.26E-03	3.85E-03	6.33E-03	3.36E-03	1.65E-03	1.52E-02	3.66E-03	1.26E-08	4.48E-05	4.49E-05	3.75E-03
26	486023.61	3855086.51	7.46E-03	1.52E-08	4.54E-05	4.51E-05	7.55E-03	3.52E-03	6.26E-03	3.41E-03	1.65E-03	1.48E-02	3.35E-03	1.25E-08	4.54E-05	4.51E-05	3.44E-03
27	486073.61	3855086.51	6.99E-03	1.49E-08	4.54E-05	5.11E-05	7.09E-03	3.30E-03	6.13E-03	3.40E-03	1.87E-03	1.47E-02	3.13E-03	1.22E-08	4.54E-05	5.11E-05	3.23E-03
28	486123.61	3855086.51	6.73E-03	1.48E-08	4.46E-05	5.59E-05	6.83E-03	3.18E-03	6.09E-03	3.34E-03	2.05E-03	1.47E-02	3.02E-03	1.21E-08	4.46E-05	5.59E-05	3.12E-03
29	486173.61	3855086.51	6.42E-03	1.45E-08	4.31E-05	5.56E-05	6.52E-03	3.03E-03	5.97E-03	3.23E-03	2.04E-03	1.43E-02	2.88E-03	1.19E-08	4.31E-05	5.56E-05	2.98E-03
30	486223.61	3855086.51	6.27E-03	1.43E-08	4.09E-05	5.11E-05	6.36E-03	2.96E-03	5.90E-03	3.07E-03	1.88E-03	1.38E-02	2.81E-03	1.18E-08	4.09E-05	5.11E-05	2.90E-03
31	485973.61	3855136.51	9.60E-03	1.62E-08	4.55E-05	5.17E-05	9.69E-03	4.53E-03	6.69E-03	3.41E-03	1.90E-03	1.65E-02	4.30E-03	1.33E-08	4.55E-05	5.17E-05	4.40E-03
32	486023.61	3855136.51	8.74E-03	1.60E-08	4.53E-05	5.69E-05	8.84E-03	4.12E-03	6.61E-03	3.40E-03	2.08E-03	1.62E-02	3.92E-03	1.32E-08	4.53E-05	5.69E-05	4.02E-03
33	486073.61	3855136.51	8.23E-03	1.58E-08	4.58E-05	5.70E-05	8.33E-03	3.88E-03	6.51E-03	3.43E-03	2.09E-03	1.59E-02	3.69E-03	1.30E-08	4.58E-05	5.70E-05	3.79E-03
34	486123.61	3855136.51	7.85E-03	1.56E-08	4.55E-05	5.23E-05	7.95E-03	3.70E-03	6.44E-03	3.41E-03	1.92E-03	1.55E-02	3.52E-03	1.28E-08	4.55E-05	5.23E-05	3.62E-03
35	486173.61	3855136.51	7.48E-03	1.53E-08	4.44E-05	4.85E-05	7.58E-03	3.53E-03	6.31E-03	3.33E-03	1.78E-03	1.50E-02	3.36E-03	1.26E-08	4.44E-05	4.85E-05	3.45E-03
36	486223.61	3855136.51	7.21E-03	1.49E-08	4.27E-05	4.56E-05	7.30E-03	3.40E-03	6.15E-03	3.20E-03	1.67E-03	1.44E-02	3.23E-03	1.23E-08	4.27E-05	4.56E-05	3.32E-03
37	485973.61	3855186.51	1.09E-02	1.74E-08	4.33E-05	5.77E-05	1.10E-02	5.16E-03	7.16E-03	3.25E-03	2.11E-03	1.77E-02	4.91E-03	1.43E-08	4.33E-05	5.77E-05	5.01E-03
38	486023.61	3855186.51	1.02E-02	1.71E-08	4.61E-05	5.30E-05	1.03E-02	4.81E-03	7.06E-03	3.46E-03	1.94E-03	1.73E-02	4.57E-03	1.41E-08	4.61E-05	5.30E-05	4.67E-03
39	486073.61	3855186.51	9.47E-03	1.68E-08	4.58E-05	4.91E-05	9.57E-03	4.47E-03	6.93E-03	3.44E-03	1.80E-03	1.66E-02	4.25E-03	1.38E-08	4.58E-05	4.91E-05	4.34E-03
40	486123.61	3855186.51	8.83E-03	1.65E-08	4.60E-05	4.60E-05	8.92E-03	4.16E-03	6.81E-03	3.45E-03	1.69E-03	1.61E-02	3.96E-03	1.36E-08	4.60E-05	4.60E-05	4.05E-03
41	486173.61	3855186.51	8.43E-03	1.61E-08	4.55E-05	4.69E-05	8.53E-03	3.98E-03	6.64E-03	3.41E-03	1.72E-03	1.58E-02	3.78E-03	1.32E-08	4.55E-05	4.69E-05	3.88E-03
42	486223.61	3855186.51	8.13E-03	1.57E-08	4.42E-05	4.90E-05	8.23E-03	3.84E-03	6.47E-03	3.32E-03	1.80E-03	1.54E-02	3.65E-03	1.29E-08	4.42E-05	4.90E-05	3.74E-03
43	486273.61	3855186.51	7.77E-03	1.52E-08	4.22E-05	5.03E-05	7.86E-03	3.66E-03	6.28E-03	3.17E-03	1.85E-03	1.50E-02	3.48E-03	1.25E-08	4.22E-05	5.03E-05	3.58E-03
44	486323.61	3855186.51	7.88E-03	1.54E-08	4.42E-05	5.04E-05	7.98E-03	3.72E-03	6.32E-03	3.32E-03	1.85E-03	1.52E-02	3.54E-03	1.26E-08	4.42E-05	5.04E-05	3.63E-03
45	485973.61	3855236.51	1.26E-02	1.86E-08	4.29E-05	4.92E-05	1.27E-02	5.93E-03	7.65E-03	3.21E-03	1.80E-03	1.86E-02	5.63E-03	1.52E-08	4.29E-05	4.92E-05	5.73E-03
46	486023.61	3855236.51	1.17E-02	1.82E-08	4.56E-05	4.61E-05	1.18E-02	5.53E-03	7.49E-03	3.42E-03	1.69E-03	1.81E-02	5.26E-03	1.49E-08	4.56E-05	4.61E-05	5.35E-03
47	486073.61	3855236.51	1.09E-02	1.78E-08	4.56E-05	4.91E-05	1.10E-02	5.14E-03	7.34E-03	3.42E-03	1.80E-03	1.77E-02	4.88E-03	1.46E-08	4.56E-05	4.91E-05	4.98E-03
48	486123.61	3855236.51	1.01E-02	1.75E-08	4.63E-05	5.14E-05	1.02E-02	4.75E-03	7.21E-03	3.47E-03	1.88E-03	1.73E-02	4.52E-03	1.44E-08	4.63E-05	5.14E-05	4.62E-03
49	486173.61	3855236.51	9.59E-03	1.70E-08	4.63E-05	5.26E-05	9.69E-03	4.52E-03	7.01E-03	3.47E-03	1.93E-03	1.69E-02	4.30E-03	1.40E-08	4.63E-05	5.26E-05	4.40E-03
50	486223.61	3855236.51	9.11E-03	1.65E-08	4.55E-05	5.32E-05	9.21E-03	4.30E-03	6.80E-03	3.41E-03	1.95E-03	1.65E-02	4.09E-03	1.35E-08	4.55E-05	5.32E-05	4.18E-03
51	486273.61	3855236.51	8.35E-03	1.58E-08	4.39E-05	5.75E-05	8.45E-03	3.94E-03	6.49E-03	3.29E-03	2.11E-03	1.58E-02	3.74E-03	1.29E-08	4.39E-05	5.75E-05	3.85E-03
52	486323.61	3855236.51	8.73E-03	1.61E-08	4.36E-05	5.81E-05	8.83E-03	4.12E-03	6.65E-03	3.27E-03	2.13E-03	1.62E-02	3.91E-03	1.32E-08	4.36E-05	5.81E-05	4.02E-03
53	485973.61	3855286.51	1.47E-02	1.98E-08	4.15E-05	5.06E-05	1.48E-02	6.94E-03	8.14E-03	3.11E-03	1.86E-03	2.00E-02	6.60E-03	1.62E-08	4.15E-05	5.06E-05	6.70E-03
54	486023.61	3855286.51	1.34E-02	1.93E-08	4.35E-05	5.31E-05	1.35E-02	6.34E-03	7.95E-03	3.26E-03	1.95E-03	1.95E-02	6.02E-03	1.58E-08	4.35E-05	5.31E-05	6.12E-03
55	486073.61	3855286.51	1.24E-02	1.90E-08	4.70E-05	5.43E-05	1.25E-02	5.86E-03	7.82E-03	3.52E-03	1.99E-03	1.92E-02	5.57E-03	1.56E-08	4.70E-05	5.43E-05	5.67E-03
56	486123.61	3855286.51	1.14E-02	1.84E-08	4.61E-05	5.77E-05	1.15E-02	5.39E-03	7.57E-03	3.46E-03	2.12E-03	1.85E-02	5.13E-03	1.51E-08	4.61E-05	5.77E-05	5.23E-03
57	486173.61	3855286.51	1.07E-02	1.78E-08	4.66E-05	6.09E-05	1.08E-02	5.05E-03	7.31E-03	3.50E-03	2.23E-03	1.81E-02	4.80E-03	1.46E-08	4.66E-05	6.09E-05	4.91E-03

58	486223.61	3855286.51	1.03E-02	1.73E-08	4.83E-05	6.15E-05	1.04E-02	4.84E-03	7.14E-03	3.62E-03	2.26E-03	1.79E-02	4.60E-03	1.42E-08	4.83E-05	6.15E-05	4.71E-03
59	486123.61	3855336.51	1.30E-02	1.92E-08	4.80E-05	6.46E-05	1.31E-02	6.12E-03	7.92E-03	3.60E-03	2.37E-03	2.00E-02	5.82E-03	1.58E-08	4.80E-05	6.46E-05	5.93E-03
60	486173.61	3855336.51	1.23E-02	1.87E-08	4.66E-05	6.13E-05	1.24E-02	5.80E-03	7.70E-03	3.50E-03	2.25E-03	1.92E-02	5.51E-03	1.53E-08	4.66E-05	6.13E-05	5.62E-03
61	486223.61	3855336.51	1.16E-02	1.81E-08	4.70E-05	5.72E-05	1.17E-02	5.47E-03	7.46E-03	3.52E-03	2.10E-03	1.85E-02	5.20E-03	1.49E-08	4.70E-05	5.72E-05	5.30E-03
62	486123.61	3855386.51	1.45E-02	2.01E-08	4.45E-05	6.09E-05	1.46E-02	6.85E-03	8.28E-03	3.34E-03	2.23E-03	2.07E-02	6.52E-03	1.65E-08	4.45E-05	6.09E-05	6.62E-03
63	486173.61	3855386.51	1.38E-02	1.95E-08	4.76E-05	5.86E-05	1.39E-02	6.49E-03	8.04E-03	3.57E-03	2.15E-03	2.02E-02	6.17E-03	1.60E-08	4.76E-05	5.86E-05	6.27E-03
64	486223.61	3855386.51	1.31E-02	1.90E-08	4.71E-05	5.51E-05	1.32E-02	6.17E-03	7.83E-03	3.53E-03	2.02E-03	1.96E-02	5.87E-03	1.56E-08	4.71E-05	5.51E-05	5.97E-03
65	486533.18	3855443.15	1.14E-02	1.97E-08	4.45E-05	4.64E-05	1.15E-02	5.38E-03	8.12E-03	3.34E-03	1.70E-03	1.85E-02	5.11E-03	1.62E-08	4.45E-05	4.64E-05	5.20E-03
66	486583.18	3855443.15	1.09E-02	1.94E-08	4.16E-05	4.68E-05	1.10E-02	5.12E-03	8.01E-03	3.12E-03	1.72E-03	1.80E-02	4.87E-03	1.59E-08	4.16E-05	4.68E-05	4.96E-03
67	486633.18	3855443.15	1.03E-02	1.92E-08	4.18E-05	4.75E-05	1.04E-02	4.87E-03	7.90E-03	3.14E-03	1.74E-03	1.77E-02	4.64E-03	1.57E-08	4.18E-05	4.75E-05	4.72E-03
68	486683.18	3855443.15	1.00E-02	1.90E-08	4.57E-05	4.73E-05	1.01E-02	4.72E-03	7.84E-03	3.42E-03	1.73E-03	1.77E-02	4.48E-03	1.56E-08	4.57E-05	4.73E-05	4.58E-03
69	486533.18	3855493.15	1.24E-02	2.03E-08	4.67E-05	4.84E-05	1.25E-02	5.84E-03	8.36E-03	3.50E-03	1.78E-03	1.95E-02	5.56E-03	1.67E-08	4.67E-05	4.84E-05	5.65E-03
70	486583.18	3855493.15	1.19E-02	2.00E-08	4.39E-05	5.02E-05	1.20E-02	5.60E-03	8.26E-03	3.29E-03	1.84E-03	1.90E-02	5.32E-03	1.65E-08	4.39E-05	5.02E-05	5.42E-03
71	486633.18	3855493.15	1.13E-02	1.98E-08	4.09E-05	5.12E-05	1.14E-02	5.34E-03	8.15E-03	3.06E-03	1.88E-03	1.84E-02	5.08E-03	1.62E-08	4.09E-05	5.12E-05	5.17E-03
72	486683.18	3855493.15	1.09E-02	1.95E-08	4.41E-05	5.18E-05	1.10E-02	5.13E-03	8.05E-03	3.31E-03	1.90E-03	1.84E-02	4.87E-03	1.60E-08	4.41E-05	5.18E-05	4.97E-03
73	486533.18	3855543.15	1.34E-02	2.09E-08	4.89E-05	5.28E-05	1.35E-02	6.33E-03	8.62E-03	3.67E-03	1.94E-03	2.06E-02	6.02E-03	1.72E-08	4.89E-05	5.28E-05	6.12E-03
74	486583.18	3855543.15	1.26E-02	2.05E-08	4.63E-05	5.21E-05	1.27E-02	5.96E-03	8.45E-03	3.47E-03	1.91E-03	1.98E-02	5.67E-03	1.68E-08	4.63E-05	5.21E-05	5.77E-03
75	486633.18	3855543.15	1.21E-02	2.03E-08	4.33E-05	5.10E-05	1.22E-02	5.72E-03	8.35E-03	3.25E-03	1.87E-03	1.92E-02	5.44E-03	1.66E-08	4.33E-05	5.10E-05	5.53E-03
76	486683.18	3855543.15	1.14E-02	1.99E-08	4.24E-05	5.03E-05	1.15E-02	5.36E-03	8.19E-03	3.18E-03	1.84E-03	1.86E-02	5.10E-03	1.63E-08	4.24E-05	5.03E-05	5.19E-03
77	486533.18	3855593.15	1.43E-02	2.14E-08	4.90E-05	5.06E-05	1.44E-02	6.75E-03	8.83E-03	3.68E-03	1.85E-03	2.11E-02	6.42E-03	1.76E-08	4.90E-05	5.06E-05	6.52E-03
78	486583.18	3855593.15	1.36E-02	2.11E-08	4.86E-05	5.18E-05	1.37E-02	6.42E-03	8.67E-03	3.64E-03	1.90E-03	2.06E-02	6.11E-03	1.73E-08	4.86E-05	5.18E-05	6.21E-03
79	486633.18	3855593.15	1.30E-02	2.07E-08	4.57E-05	5.43E-05	1.31E-02	6.15E-03	8.55E-03	3.43E-03	1.99E-03	2.01E-02	5.85E-03	1.70E-08	4.57E-05	5.43E-05	5.95E-03
80	486683.18	3855593.15	1.26E-02	2.05E-08	4.26E-05	5.28E-05	1.27E-02	5.93E-03	8.46E-03	3.19E-03	1.94E-03	1.95E-02	5.64E-03	1.69E-08	4.26E-05	5.28E-05	5.74E-03
81	486533.18	3855643.15	1.59E-02	2.20E-08	4.69E-05	5.37E-05	1.60E-02	7.49E-03	9.06E-03	3.52E-03	1.97E-03	2.20E-02	7.13E-03	1.80E-08	4.69E-05	5.37E-05	7.23E-03
82	486583.18	3855643.15	1.48E-02	2.16E-08	5.09E-05	5.23E-05	1.49E-02	6.99E-03	8.91E-03	3.81E-03	1.92E-03	2.16E-02	6.65E-03	1.77E-08	5.09E-05	5.23E-05	6.75E-03
83	486633.18	3855643.15	1.42E-02	2.13E-08	4.82E-05	5.14E-05	1.43E-02	6.69E-03	8.77E-03	3.61E-03	1.89E-03	2.10E-02	6.36E-03	1.75E-08	4.82E-05	5.14E-05	6.46E-03
84	486683.18	3855643.15	1.36E-02	2.10E-08	4.51E-05	4.89E-05	1.37E-02	6.43E-03	8.67E-03	3.38E-03	1.79E-03	2.03E-02	6.12E-03	1.73E-08	4.51E-05	4.89E-05	6.21E-03
85	486533.18	3855693.15	1.78E-02	2.28E-08	4.85E-05	5.19E-05	1.79E-02	8.41E-03	9.40E-03	3.63E-03	1.90E-03	2.34E-02	8.00E-03	1.87E-08	4.85E-05	5.19E-05	8.10E-03
86	486583.18	3855693.15	1.64E-02	2.23E-08	4.93E-05	4.96E-05	1.65E-02	7.72E-03	9.17E-03	3.70E-03	1.82E-03	2.24E-02	7.34E-03	1.83E-08	4.93E-05	4.96E-05	7.44E-03
87	486633.18	3855693.15	1.49E-02	2.17E-08	5.05E-05	4.71E-05	1.50E-02	7.01E-03	8.93E-03	3.79E-03	1.73E-03	2.15E-02	6.67E-03	1.78E-08	5.05E-05	4.71E-05	6.77E-03
88	486683.18	3855693.15	1.46E-02	2.16E-08	4.77E-05	4.77E-05	1.47E-02	6.88E-03	8.90E-03	3.57E-03	1.75E-03	2.11E-02	6.54E-03	1.77E-08	4.77E-05	4.77E-05	6.63E-03
89	486733.18	3855693.15	1.45E-02	2.17E-08	4.44E-05	4.78E-05	1.46E-02	6.84E-03	8.95E-03	3.33E-03	1.75E-03	2.09E-02	6.51E-03	1.78E-08	4.44E-05	4.78E-05	6.60E-03
90	486783.18	3855693.15	1.45E-02	2.20E-08	4.54E-05	4.75E-05	1.46E-02	6.85E-03	9.04E-03	3.40E-03	1.74E-03	2.10E-02	6.52E-03	1.80E-08	4.54E-05	4.75E-05	6.61E-03
91	486533.18	3855743.15	1.88E-02	2.35E-08	5.16E-05	4.98E-05	1.89E-02	8.88E-03	9.69E-03	3.87E-03	1.83E-03	2.43E-02	8.45E-03	1.93E-08	5.16E-05	4.98E-05	8.55E-03
92	486583.18	3855743.15	1.75E-02	2.27E-08	4.83E-05	5.05E-05	1.76E-02	8.24E-03	9.36E-03	3.62E-03	1.85E-03	2.31E-02	7.84E-03	1.86E-08	4.83E-05	5.05E-05	7.94E-03
93	486633.18	3855743.15	1.66E-02	2.23E-08	5.29E-05	5.18E-05	1.67E-02	7.81E-03	9.19E-03	3.96E-03	1.90E-03	2.29E-02	7.43E-03	1.83E-08	5.29E-05	5.18E-05	7.53E-03
94	486683.18	3855743.15	1.60E-02	2.24E-08	5.02E-05	4.95E-05	1.61E-02	7.54E-03	9.21E-03	3.76E-03	1.81E-03	2.23E-02	7.17E-03	1.84E-08	5.02E-05	4.95E-05	7.27E-03
95	486733.18	3855743.15	1.53E-02	2.23E-08	4.70E-05	4.88E-05	1.54E-02	7.21E-03	9.19E-03	3.53E-03	1.79E-03	2.17E-02	6.85E-03	1.83E-08	4.70E-05	4.88E-05	6.95E-03
96	486783.18	3855743.15	1.55E-02	2.27E-08	4.36E-05	4.77E-05	1.56E-02	7.29E-03	9.33E-03	3.27E-03	1.75E-03	2.16E-02	6.93E-03	1.86E-08	4.36E-05	4.77E-05	7.02E-03
97	486533.18	3855793.15	2.02E-02	2.48E-08	5.64E-05	5.10E-05	2.03E-02	9.51E-03	1.02E-02	4.23E-03	1.87E-03	2.58E-02	9.05E-03	2.03E-08	5.64E-05	5.10E-05	9.15E-03
98	486583.18	3855793.15	1.80E-02	2.36E-08	4.96E-05	5.06E-05	1.81E-02	8.50E-03	9.72E-03	3.72E-03	1.86E-03	2.38E-02	8.08E-03	1.94E-08	4.96E-05	5.06E-05	8.18E-03
99	486633.18	3855793.15	1.78E-02	2.36E-08	4.95E-05	5.03E-05	1.79E-02	8.42E-03	9.72E-03	3.71E-03	1.85E-03	2.37E-02	8.00E-03	1.94E-08	4.95E-05	5.03E-05	8.10E-03
100	486683.18	3855793.15	1.77E-02	2.35E-08	5.26E-05	4.98E-05	1.78E-02	8.37E-03	9.68E-03	3.94E-03	1.83E-03	2.38E-02	7.95E-03	1.93E-08	5.26E-05	4.98E-05	8.06E-03
101	486733.18	3855793.15	1.75E-02	2.33E-08	4.97E-05	4.79E-05	1.76E-02	8.24E-03	9.60E-03	3.73E-03	1.76E-03	2.33E-02	7.84E-03	1.91E-08	4.97E-05	4.79E-05	7.93E-03
102	486783.18	3855793.15	1.71E-02	2.34E-08	4.63E-05	4.69E-05	1.72E-02	8.08E-03	9.63E-03	3.48E-03	1.72E-03	2.29E-02	7.68E-03	1.92E-08	4.63E-05	4.69E-05	7.77E-03
103	486533.18	3855843.15	2.17E-02	2.59E-08	5.47E-05	5.22E-05	2.18E-02	1.02E-02	1.07E-02	4.10E-03	1.91E-03	2.69E-02	9.73E-03	2.13E-08	5.47E-05	5.22E-05	9.84E-03
104	486583.18	3855843.15	1.98E-02	2.47E-08	5.76E-05	5.24E-05	1.99E-02	9.33E-03	1.02E-02	4.32E-03	1.92E-03	2.58E-02	8.87E-03	2.03E-08	5.76E-05	5.24E-05	8.98E-03
105	486633.18	3855843.15	1.94E-02	2.46E-08	4.97E-05	5.22E-05	1.95E-02	9.14E-03	1.01E-02	3.73E-03	1.92E-03	2.49E-02	8.69E-03	2.02E-08	4.97E-05	5.22E-05	8.79E-03
106	486683.18	3855843.15	1.90E-02	2.46E-08	5.37E-05	5.20E-05	1.91E-02	8.96E-03	1.01E-02	4.03E-03	1.91E-03	2.50E-02	8.52E-03	2.02E-08	5.37E-05	5.20E-05	8.62E-03
107	486733.18	3855843.15	1.86E-02	2.51E-08	5.22E-05	5.16E-05	1.87E-02	8.77E-03	1.03E-02	3.92E-03	1.89E-03	2.49E-02	8.34E-03	2.06E-08	5.22E-05	5.16E-05	8.44E-03
108	486783.18	3855843.15	1.83E-02	2.51E-08	4.91E-05	5.13E-05	1.84E-02	8.65E-03	1.03E-02	3.68E-03	1.88E-03	2.45E-02	8.23E-03	2.06E-08	4.91E-05	5.13E-05	8.33E-03
109	486533.18	3855893.15	2.23E-02	2.68E-08	5.31E-05	5.66E-05	2.24E-02	1.05E-02	1.10E-02	3.98E-03	2.07E-03	2.76E-02	9.99E-03	2.20E-08	5.31E-05	5.66E-05	1.01E-02
110	486583.18	3855893.15	2.19E-02	2.67E-08	5.73E-05	5.47E-05	2.20E-02	1.03E-02	1.10E-02	4.30E-03	2.01E-03	2.77E-02	9.82E-03	2.19E-08	5.73E-05	5.47E-05	9.94E-03
111	486633.18	3855893.15	2.13E-02	2.66E-08	5.59E-05	5.31E-05	2.14E-02	1.01E-02	1.10E-02	4.20E-03	1.95E-03	2.72E-02	9.56E-03	2.19E-08	5.59E-05	5.31E-05	9.67E-03
112	486683.18	3855893.15	2.09E-02	2.66E-08	4.97E-05	5.16E-05	2.10E-02	9.85E-03	1.10E-02	3.73E-03	1.89E-03	2.64E-02	9.37E-03	2.19E-08	4.97E-05	5.16E-05	9.47E-03
113	486733.18	3855893.15	2.05E-02	2.66E-08	5.47E-05	5.04E-05	2.06E-02	9.65E-03	1.10E-02	4.11E-03	1.85E-03	2.66E-02	9.18E-03	2.19E-08	5.47E-05	5.04E-05	9.28E-03
114	486783.18	3855893.15	2.01E-02	2.67E-08	5.18E-05	4.92E-05	2.02E-02	9.50E-03	1.10E-02	3.88E-03	1.80E-03	2.62E-02	9.03E-03	2.19E-08	5.18E-05	4.92E-05	9.13E-03
115	486533.18	3855943.15	2.36E-02	2.80E-08	4.85E-05	5.61E-05	2.37E-02	1.11E-02	1.15E-02	3.64E-03	2.06E-03	2.83E-02	1.06E-02	2.29E-08	4.85E-05	5.61E-05	1.07E-02
116	486583.18	3855943.15	2.39E-02	2.82E-08	5.50E-05	5.58E-05	2.40E-02	1.13E-02	1.16E-02	4.12E-03	2.05E-03	2.91E-02	1.07E-02	2.32E-08	5.50E-05	5.58E-05	1.08E-02
117	486633.18	3855943.15	2.31E-02	2.81E-08	5.85E-05	5.59E-05	2.33E-02	1.09E-02	1.16E-02	4.39E-03	2.05E-03	2.89E-02	1.04E-02	2.31E-08	5.85E-05	5.59E-05	1.05E-02
118	486683.18	3855943.15	2.29E-02	2.83E-08	5.10E-05	5.45E-05	2.30E-02	1.08E-02	1.17E-02	3.83E-03	2.00E-03	2.83E-02	1.03E-02	2.32E-08	5.10E-05	5.45E-05	1.04E-02

119	486733.18	3855943.15	2.23E-02	2.82E-08	5.40E-05	5.31E-05	2.24E-02	1.05E-02	1.16E-02	4.05E-03	1.95E-03	2.81E-02	1.00E-02	2.32E-08	5.40E-05	5.31E-05	1.01E-02
120	486783.18	3855943.15	2.21E-02	2.83E-08	5.44E-05	5.15E-05	2.22E-02	1.04E-02	1.17E-02	4.08E-03	1.89E-03	2.81E-02	9.89E-03	2.33E-08	5.44E-05	5.15E-05	1.00E-02
121	486533.18	3855993.15	2.53E-02	2.95E-08	5.05E-05	5.47E-05	2.55E-02	1.20E-02	1.22E-02	3.79E-03	2.01E-03	2.99E-02	1.14E-02	2.42E-08	5.05E-05	5.47E-05	1.15E-02
122	486583.18	3855993.15	2.52E-02	2.95E-08	5.29E-05	5.29E-05	2.53E-02	1.19E-02	1.21E-02	3.97E-03	1.94E-03	2.99E-02	1.13E-02	2.42E-08	5.29E-05	5.29E-05	1.14E-02
123	486633.18	3855993.15	2.49E-02	2.93E-08	5.81E-05	5.13E-05	2.50E-02	1.17E-02	1.21E-02	4.36E-03	1.88E-03	3.01E-02	1.12E-02	2.41E-08	5.81E-05	5.13E-05	1.13E-02
124	486683.18	3855993.15	2.46E-02	2.93E-08	5.98E-05	4.95E-05	2.48E-02	1.16E-02	1.21E-02	4.48E-03	1.82E-03	3.00E-02	1.11E-02	2.40E-08	5.98E-05	4.95E-05	1.12E-02
125	486733.18	3855993.15	2.42E-02	2.92E-08	5.11E-05	4.80E-05	2.43E-02	1.14E-02	1.20E-02	3.83E-03	1.76E-03	2.91E-02	1.09E-02	2.40E-08	5.11E-05	4.80E-05	1.10E-02
126	486783.18	3855993.15	2.38E-02	2.92E-08	5.70E-05	4.72E-05	2.39E-02	1.12E-02	1.20E-02	4.27E-03	1.73E-03	2.93E-02	1.07E-02	2.40E-08	5.70E-05	4.72E-05	1.08E-02
127	486533.18	3856043.15	2.70E-02	3.13E-08	5.27E-05	4.75E-05	2.71E-02	1.27E-02	1.29E-02	3.96E-03	1.74E-03	3.13E-02	1.21E-02	2.57E-08	5.27E-05	4.75E-05	1.22E-02
128	486583.18	3856043.15	2.70E-02	3.13E-08	5.07E-05	4.71E-05	2.71E-02	1.28E-02	1.29E-02	3.80E-03	1.73E-03	3.12E-02	1.21E-02	2.57E-08	5.07E-05	4.71E-05	1.22E-02
129	486633.18	3856043.15	2.65E-02	3.11E-08	5.55E-05	4.56E-05	2.66E-02	1.25E-02	1.28E-02	4.16E-03	1.67E-03	3.11E-02	1.19E-02	2.55E-08	5.55E-05	4.56E-05	1.20E-02
130	486683.18	3856043.15	2.66E-02	3.09E-08	5.94E-05	4.39E-05	2.67E-02	1.25E-02	1.27E-02	4.46E-03	1.61E-03	3.13E-02	1.19E-02	2.54E-08	5.94E-05	4.39E-05	1.20E-02
131	486733.18	3856043.15	2.59E-02	3.03E-08	5.31E-05	4.36E-05	2.60E-02	1.22E-02	1.25E-02	3.98E-03	1.60E-03	3.03E-02	1.16E-02	2.49E-08	5.31E-05	4.36E-05	1.17E-02
132	486783.18	3856043.15	2.57E-02	3.03E-08	5.42E-05	4.33E-05	2.58E-02	1.21E-02	1.25E-02	4.07E-03	1.59E-03	3.03E-02	1.15E-02	2.48E-08	5.42E-05	4.33E-05	1.16E-02
133	486533.18	3856093.15	2.94E-02	3.28E-08	5.15E-05	4.87E-05	2.95E-02	1.39E-02	1.35E-02	3.87E-03	1.79E-03	3.30E-02	1.32E-02	2.69E-08	5.15E-05	4.87E-05	1.33E-02
134	486583.18	3856093.15	2.88E-02	3.24E-08	5.42E-05	4.77E-05	2.89E-02	1.36E-02	1.33E-02	4.06E-03	1.75E-03	3.27E-02	1.29E-02	2.66E-08	5.42E-05	4.77E-05	1.30E-02
135	486633.18	3856093.15	2.83E-02	3.19E-08	5.14E-05	4.67E-05	2.84E-02	1.34E-02	1.31E-02	3.86E-03	1.71E-03	3.21E-02	1.27E-02	2.62E-08	5.14E-05	4.67E-05	1.28E-02
136	486683.18	3856093.15	2.82E-02	3.17E-08	5.89E-05	4.56E-05	2.83E-02	1.33E-02	1.31E-02	4.42E-03	1.67E-03	3.24E-02	1.26E-02	2.60E-08	5.89E-05	4.56E-05	1.27E-02
137	486733.18	3856093.15	2.78E-02	3.16E-08	6.08E-05	4.47E-05	2.79E-02	1.31E-02	1.30E-02	4.56E-03	1.64E-03	3.23E-02	1.24E-02	2.59E-08	6.08E-05	4.47E-05	1.26E-02
138	486783.18	3856093.15	2.74E-02	3.16E-08	5.26E-05	4.36E-05	2.75E-02	1.29E-02	1.30E-02	3.95E-03	1.60E-03	3.15E-02	1.23E-02	2.59E-08	5.26E-05	4.36E-05	1.24E-02
139	486533.18	3856143.15	3.20E-02	3.42E-08	5.01E-05	4.92E-05	3.21E-02	1.51E-02	1.41E-02	3.76E-03	1.80E-03	3.47E-02	1.44E-02	2.81E-08	5.01E-05	4.92E-05	1.45E-02
140	486583.18	3856143.15	3.11E-02	3.36E-08	5.29E-05	4.81E-05	3.12E-02	1.47E-02	1.38E-02	3.97E-03	1.76E-03	3.42E-02	1.39E-02	2.75E-08	5.29E-05	4.81E-05	1.40E-02
141	486633.18	3856143.15	3.02E-02	3.35E-08	5.56E-05	4.68E-05	3.03E-02	1.43E-02	1.38E-02	4.17E-03	1.72E-03	3.40E-02	1.36E-02	2.75E-08	5.56E-05	4.68E-05	1.37E-02
142	486683.18	3856143.15	2.99E-02	3.34E-08	5.52E-05	4.57E-05	3.00E-02	1.41E-02	1.38E-02	4.14E-03	1.68E-03	3.37E-02	1.34E-02	2.74E-08	5.52E-05	4.57E-05	1.35E-02
143	486733.18	3856143.15	2.95E-02	3.33E-08	6.03E-05	4.46E-05	2.96E-02	1.39E-02	1.37E-02	4.52E-03	1.64E-03	3.38E-02	1.32E-02	2.73E-08	6.03E-05	4.46E-05	1.33E-02
144	486783.18	3856143.15	2.94E-02	3.35E-08	5.89E-05	4.33E-05	2.95E-02	1.38E-02	1.38E-02	4.42E-03	1.59E-03	3.36E-02	1.32E-02	2.75E-08	5.89E-05	4.33E-05	1.33E-02
145	486533.18	3856193.15	3.45E-02	3.64E-08	4.85E-05	4.65E-05	3.46E-02	1.63E-02	1.50E-02	3.64E-03	1.70E-03	3.66E-02	1.55E-02	2.99E-08	4.85E-05	4.65E-05	1.56E-02
146	486583.18	3856193.15	3.32E-02	3.53E-08	5.15E-05	4.55E-05	3.33E-02	1.56E-02	1.45E-02	3.86E-03	1.67E-03	3.57E-02	1.49E-02	2.90E-08	5.15E-05	4.55E-05	1.50E-02
147	486633.18	3856193.15	3.26E-02	3.52E-08	5.44E-05	4.43E-05	3.27E-02	1.54E-02	1.45E-02	4.08E-03	1.63E-03	3.56E-02	1.46E-02	2.89E-08	5.44E-05	4.43E-05	1.47E-02
148	486683.18	3856193.15	3.23E-02	3.53E-08	5.71E-05	4.30E-05	3.24E-02	1.52E-02	1.45E-02	4.28E-03	1.58E-03	3.56E-02	1.45E-02	2.90E-08	5.71E-05	4.30E-05	1.46E-02
149	486733.18	3856193.15	3.15E-02	3.51E-08	5.81E-05	4.21E-05	3.16E-02	1.49E-02	1.44E-02	4.35E-03	1.54E-03	3.52E-02	1.41E-02	2.88E-08	5.81E-05	4.21E-05	1.42E-02
150	486783.18	3856193.15	3.12E-02	3.52E-08	6.17E-05	4.08E-05	3.13E-02	1.47E-02	1.45E-02	4.63E-03	1.50E-03	3.54E-02	1.40E-02	2.89E-08	6.17E-05	4.08E-05	1.41E-02
151	486533.18	3856243.15	3.81E-02	3.81E-08	4.88E-05	4.65E-05	3.82E-02	1.80E-02	1.57E-02	3.66E-03	1.70E-03	3.90E-02	1.71E-02	3.13E-08	4.88E-05	4.65E-05	1.72E-02
152	486583.18	3856243.15	3.60E-02	3.75E-08	4.99E-05	4.60E-05	3.61E-02	1.70E-02	1.55E-02	3.74E-03	1.69E-03	3.79E-02	1.62E-02	3.08E-08	4.99E-05	4.60E-05	1.62E-02
153	486633.18	3856243.15	3.49E-02	3.69E-08	5.29E-05	4.56E-05	3.50E-02	1.65E-02	1.52E-02	3.97E-03	1.67E-03	3.73E-02	1.57E-02	3.03E-08	5.29E-05	4.56E-05	1.58E-02
154	486683.18	3856243.15	3.43E-02	3.68E-08	5.59E-05	4.51E-05	3.44E-02	1.62E-02	1.52E-02	4.19E-03	1.65E-03	3.72E-02	1.54E-02	3.02E-08	5.59E-05	4.51E-05	1.55E-02
155	486733.18	3856243.15	3.39E-02	3.68E-08	5.86E-05	4.45E-05	3.40E-02	1.60E-02	1.52E-02	4.39E-03	1.63E-03	3.72E-02	1.52E-02	3.02E-08	5.86E-05	4.45E-05	1.53E-02
156	486783.18	3856243.15	3.30E-02	3.66E-08	5.74E-05	4.40E-05	3.31E-02	1.56E-02	1.51E-02	4.31E-03	1.61E-03	3.66E-02	1.48E-02	3.01E-08	5.74E-05	4.40E-05	1.49E-02
157	486533.18	3856293.15	4.25E-02	4.00E-08	5.07E-05	4.42E-05	4.26E-02	2.01E-02	1.65E-02	3.80E-03	1.62E-03	4.19E-02	1.91E-02	3.28E-08	5.07E-05	4.42E-05	1.92E-02
158	486583.18	3856293.15	3.99E-02	3.97E-08	4.96E-05	4.39E-05	4.00E-02	1.88E-02	1.64E-02	3.72E-03	1.61E-03	4.05E-02	1.79E-02	3.26E-08	4.96E-05	4.39E-05	1.80E-02
159	486633.18	3856293.15	3.84E-02	3.88E-08	5.13E-05	4.33E-05	3.85E-02	1.81E-02	1.60E-02	3.85E-03	1.59E-03	3.95E-02	1.72E-02	3.18E-08	5.13E-05	4.33E-05	1.73E-02
160	486683.18	3856293.15	3.71E-02	3.85E-08	5.44E-05	4.24E-05	3.72E-02	1.75E-02	1.59E-02	4.08E-03	1.55E-03	3.90E-02	1.67E-02	3.16E-08	5.44E-05	4.24E-05	1.68E-02
161	486733.18	3856293.15	3.64E-02	3.89E-08	5.74E-05	4.14E-05	3.65E-02	1.71E-02	1.60E-02	4.31E-03	1.52E-03	3.90E-02	1.63E-02	3.19E-08	5.74E-05	4.14E-05	1.64E-02
162	486783.18	3856293.15	3.56E-02	3.90E-08	5.92E-05	4.06E-05	3.57E-02	1.68E-02	1.61E-02	4.44E-03	1.49E-03	3.88E-02	1.60E-02	3.20E-08	5.92E-05	4.06E-05	1.61E-02
163	486783.18	3856343.15	3.88E-02	4.12E-08	5.90E-05	4.07E-05	3.89E-02	1.83E-02	1.70E-02	4.43E-03	1.49E-03	4.12E-02	1.74E-02	3.38E-08	5.90E-05	4.07E-05	1.75E-02
164	486833.18	3856343.15	3.76E-02	4.08E-08	6.08E-05	3.89E-05	3.77E-02	1.77E-02	1.68E-02	4.56E-03	1.43E-03	4.05E-02	1.69E-02	3.35E-08	6.08E-05	3.89E-05	1.70E-02
165	486883.18	3856343.15	3.68E-02	4.06E-08	5.58E-05	3.72E-05	3.69E-02	1.74E-02	1.67E-02	4.19E-03	1.37E-03	3.96E-02	1.65E-02	3.33E-08	5.58E-05	3.72E-05	1.66E-02
166	486783.18	3856393.15	4.22E-02	4.30E-08	5.76E-05	4.00E-05	4.23E-02	1.99E-02	1.77E-02	4.32E-03	1.47E-03	4.34E-02	1.89E-02	3.53E-08	5.76E-05	4.00E-05	1.90E-02
167	486833.18	3856393.15	4.04E-02	4.27E-08	6.07E-05	3.92E-05	4.05E-02	1.91E-02	1.76E-02	4.55E-03	1.44E-03	4.26E-02	1.81E-02	3.50E-08	6.07E-05	3.92E-05	1.82E-02
168	486883.18	3856393.15	3.88E-02	4.24E-08	6.02E-05	3.83E-05	3.89E-02	1.83E-02	1.75E-02	4.51E-03	1.40E-03	4.17E-02	1.74E-02	3.48E-08	6.02E-05	3.83E-05	1.75E-02
169	487208.74	3856886.11	5.53E-02	6.85E-08	7.11E-05	4.03E-05	5.55E-02	2.61E-02	2.82E-02	5.33E-03	1.48E-03	6.11E-02	2.48E-02	5.62E-08	7.11E-05	4.03E-05	2.49E-02
170	487258.74	3856886.11	5.13E-02	6.79E-08	6.66E-05	3.99E-05	5.14E-02	2.42E-02	2.80E-02	4.99E-03	1.46E-03	5.86E-02	2.30E-02	5.58E-08	6.66E-05	3.99E-05	2.31E-02
171	487308.74	3856886.11	4.74E-02	6.71E-08	6.83E-05	3.95E-05	4.75E-02	2.24E-02	2.76E-02	5.12E-03	1.45E-03	5.66E-02	2.13E-02	5.50E-08	6.83E-05	3.95E-05	2.14E-02
172	487358.74	3856886.11	4.44E-02	6.61E-08	6.60E-05	3.91E-05	4.45E-02	2.10E-02	2.72E-02	4.95E-03	1.43E-03	5.46E-02	1.99E-02	5.43E-08	6.60E-05	3.91E-05	2.00E-02
173	487208.74	3856936.11	5.78E-02	7.10E-08	6.90E-05	3.78E-05	5.79E-02	2.73E-02	2.93E-02	5.17E-03	1.39E-03	6.31E-02	2.59E-02	5.83E-08	6.90E-05	3.78E-05	2.60E-02
174	487258.74	3856936.11	5.30E-02	6.99E-08	7.16E-05	3.75E-05	5.31E-02	2.50E-02	2.88E-02	5.37E-03	1.37E-03	6.05E-02	2.38E-02	5.74E-08	7.16E-05	3.75E-05	2.39E-02
175	487308.74	3856936.11	4.86E-02	6.95E-08	6.94E-05	3.70E-05	4.87E-02	2.29E-02	2.86E-02	5.21E-03	1.36E-03	5.81E-02	2.18E-02	5.71E-08	6.94E-05	3.70E-05	2.19E-02
176	487358.74	3856936.11	4.47E-02	6.89E-08	6.99E-05	3.66E-05	4.48E-02	2.11E-02	2.84E-02	5.24E-03	1.34E-03	5.61E-02	2.01E-02	5.65E-08	6.99E-05	3.66E-05	2.02E-02
177	487208.74	3856986.11	6.08E-02	7.45E-08	6.75E-05	3.71E-05	6.09E-02	2.87E-02	3.07E-02	5.06E-03	1.36E-03	6.58E-02	2.73E-02	6.11E-08	6.75E-05	3.71E-05	2.74E-02
178	487258.74	3856986.11	5.35E-02	7.38E-08	7.10E-05	3.50E-05	5.36E-02	2.52E-02	3.04E-02	5.33E-03	1.28E-03	6.23E-02	2.40E-02	6.06E-08	7.10E-05	3.50E-05	2.41E-02
179	487308.74	3856986.11	4.89E-02	7.24E-08	7.29E-05	3.23E-05	4.90E-02	2.31E-02	2.98E-02	5.46E-03	1.18E-03	5.95E-02	2.19E-02	5.94E-08	7.29E-05	3.23E-05	2.20E-02

180	487358.74	3856986.11	4.51E-02	7.17E-08	7.53E-05	3.07E-05	4.52E-02	2.13E-02	2.96E-02	5.65E-03	1.13E-03	5.76E-02	2.02E-02	5.89E-08	7.53E-05	3.07E-05	2.03E-02
181	487208.74	3857036.11	6.20E-02	7.73E-08	6.61E-05	3.32E-05	6.21E-02	2.92E-02	3.18E-02	4.96E-03	1.22E-03	6.72E-02	2.78E-02	6.34E-08	6.61E-05	3.32E-05	2.79E-02
182	487258.74	3857036.11	5.43E-02	7.67E-08	6.91E-05	3.30E-05	5.44E-02	2.56E-02	3.16E-02	5.19E-03	1.21E-03	6.36E-02	2.43E-02	6.30E-08	6.91E-05	3.30E-05	2.44E-02
183	487308.74	3857036.11	4.95E-02	7.60E-08	7.48E-05	3.32E-05	4.96E-02	2.34E-02	3.13E-02	5.61E-03	1.22E-03	6.15E-02	2.22E-02	6.24E-08	7.48E-05	3.32E-05	2.23E-02
184	487358.74	3857036.11	4.50E-02	7.48E-08	7.76E-05	3.32E-05	4.52E-02	2.12E-02	3.08E-02	5.82E-03	1.22E-03	5.91E-02	2.02E-02	6.14E-08	7.76E-05	3.32E-05	2.03E-02
185	487427.14	3856878.23	4.04E-02	6.55E-08	6.62E-05	3.86E-05	4.05E-02	1.91E-02	2.70E-02	4.96E-03	1.42E-03	5.24E-02	1.81E-02	5.37E-08	6.62E-05	3.86E-05	1.82E-02
186	487477.14	3856878.23	3.78E-02	6.51E-08	7.74E-05	3.82E-05	3.80E-02	1.78E-02	2.68E-02	5.81E-03	1.40E-03	5.19E-02	1.70E-02	5.35E-08	7.74E-05	3.82E-05	1.71E-02
187	487527.14	3856878.23	3.56E-02	6.46E-08	7.59E-05	3.78E-05	3.57E-02	1.68E-02	2.66E-02	5.69E-03	1.39E-03	5.05E-02	1.60E-02	5.30E-08	7.59E-05	3.78E-05	1.61E-02
188	487427.14	3856928.23	4.05E-02	6.82E-08	6.98E-05	3.66E-05	4.06E-02	1.91E-02	2.81E-02	5.24E-03	1.34E-03	5.38E-02	1.81E-02	5.60E-08	6.98E-05	3.66E-05	1.83E-02
189	487477.14	3856928.23	3.85E-02	6.75E-08	7.89E-05	3.61E-05	3.86E-02	1.81E-02	2.78E-02	5.92E-03	1.32E-03	5.32E-02	1.73E-02	5.54E-08	7.89E-05	3.61E-05	1.74E-02
190	487527.14	3856928.23	3.66E-02	6.71E-08	7.82E-05	3.55E-05	3.68E-02	1.73E-02	2.76E-02	5.86E-03	1.30E-03	5.21E-02	1.64E-02	5.51E-08	7.82E-05	3.55E-05	1.65E-02
191	487577.14	3856928.23	3.42E-02	6.66E-08	8.05E-05	3.48E-05	3.43E-02	1.61E-02	2.75E-02	6.04E-03	1.28E-03	5.09E-02	1.53E-02	5.47E-08	8.05E-05	3.48E-05	1.54E-02
192	487627.14	3856928.23	3.22E-02	6.59E-08	9.21E-05	3.43E-05	3.23E-02	1.52E-02	2.71E-02	6.90E-03	1.26E-03	5.05E-02	1.44E-02	5.40E-08	9.21E-05	3.43E-05	1.46E-02
193	487677.14	3856928.23	3.07E-02	6.57E-08	1.12E-04	3.35E-05	3.08E-02	1.45E-02	2.71E-02	8.44E-03	1.23E-03	5.12E-02	1.38E-02	5.39E-08	1.12E-04	3.35E-05	1.39E-02
194	487727.14	3856928.23	2.89E-02	6.61E-08	1.14E-04	3.27E-05	2.90E-02	1.36E-02	2.72E-02	8.54E-03	1.20E-03	5.06E-02	1.30E-02	5.43E-08	1.14E-04	3.27E-05	1.31E-02
195	487777.14	3856928.23	2.78E-02	6.62E-08	1.24E-04	3.17E-05	2.79E-02	1.31E-02	2.73E-02	9.30E-03	1.16E-03	5.08E-02	1.25E-02	5.43E-08	1.24E-04	3.17E-05	1.26E-02
196	487427.14	3856978.23	4.03E-02	7.04E-08	7.37E-05	3.13E-05	4.04E-02	1.90E-02	2.90E-02	5.53E-03	1.15E-03	5.47E-02	1.81E-02	5.78E-08	7.37E-05	3.13E-05	1.82E-02
197	487477.14	3856978.23	3.77E-02	7.00E-08	7.19E-05	3.09E-05	3.78E-02	1.78E-02	2.89E-02	5.39E-03	1.13E-03	5.32E-02	1.69E-02	5.75E-08	7.19E-05	3.09E-05	1.70E-02
198	487527.14	3856978.23	3.58E-02	6.95E-08	7.96E-05	3.05E-05	3.59E-02	1.69E-02	2.87E-02	5.97E-03	1.12E-03	5.26E-02	1.60E-02	5.71E-08	7.96E-05	3.05E-05	1.62E-02
199	487577.14	3856978.23	3.41E-02	6.90E-08	8.49E-05	3.01E-05	3.42E-02	1.61E-02	2.84E-02	6.36E-03	1.10E-03	5.20E-02	1.53E-02	5.66E-08	8.49E-05	3.01E-05	1.54E-02
200	487627.14	3856978.23	3.19E-02	6.82E-08	8.91E-05	2.99E-05	3.21E-02	1.51E-02	2.81E-02	6.68E-03	1.09E-03	5.09E-02	1.43E-02	5.60E-08	8.91E-05	2.99E-05	1.44E-02
201	487677.14	3856978.23	3.01E-02	6.95E-08	1.06E-04	3.03E-05	3.02E-02	1.42E-02	2.86E-02	7.93E-03	1.11E-03	5.18E-02	1.35E-02	5.70E-08	1.06E-04	3.03E-05	1.36E-02
202	487727.14	3856978.23	2.89E-02	6.86E-08	1.22E-04	2.96E-05	2.91E-02	1.36E-02	2.83E-02	9.11E-03	1.08E-03	5.21E-02	1.30E-02	5.63E-08	1.22E-04	2.96E-05	1.31E-02
203	487777.14	3856978.23	2.77E-02	7.02E-08	1.31E-04	2.85E-05	2.79E-02	1.31E-02	2.89E-02	9.81E-03	1.04E-03	5.29E-02	1.24E-02	5.76E-08	1.31E-04	2.85E-05	1.26E-02
204	487427.14	3857028.23	4.07E-02	7.35E-08	8.07E-05	3.06E-05	4.08E-02	1.92E-02	3.03E-02	6.05E-03	1.12E-03	5.66E-02	1.82E-02	6.03E-08	8.07E-05	3.06E-05	1.83E-02
205	487477.14	3857028.23	3.81E-02	7.29E-08	7.81E-05	2.81E-05	3.82E-02	1.80E-02	3.00E-02	5.86E-03	1.03E-03	5.49E-02	1.71E-02	5.98E-08	7.81E-05	2.81E-05	1.72E-02
206	487527.14	3857028.23	3.49E-02	7.22E-08	8.16E-05	2.76E-05	3.51E-02	1.65E-02	2.98E-02	6.12E-03	1.01E-03	5.34E-02	1.57E-02	5.93E-08	8.16E-05	2.76E-05	1.58E-02
207	487577.14	3857028.23	3.29E-02	7.17E-08	8.77E-05	2.75E-05	3.30E-02	1.55E-02	2.95E-02	6.57E-03	1.01E-03	5.26E-02	1.48E-02	5.89E-08	8.77E-05	2.75E-05	1.49E-02
208	487627.14	3857028.23	3.15E-02	7.08E-08	9.03E-05	2.85E-05	3.16E-02	1.49E-02	2.91E-02	6.77E-03	1.04E-03	5.18E-02	1.41E-02	5.81E-08	9.03E-05	2.85E-05	1.43E-02
209	487677.14	3857028.23	3.02E-02	7.29E-08	1.04E-04	2.89E-05	3.03E-02	1.42E-02	3.00E-02	7.80E-03	1.06E-03	5.31E-02	1.35E-02	5.98E-08	1.04E-04	2.89E-05	1.37E-02
210	487727.14	3857028.23	2.89E-02	7.34E-08	1.22E-04	2.85E-05	2.91E-02	1.36E-02	3.03E-02	9.12E-03	1.04E-03	5.41E-02	1.30E-02	6.03E-08	1.22E-04	2.85E-05	1.31E-02
211	487777.14	3857028.23	2.77E-02	7.37E-08	1.34E-04	2.72E-05	2.78E-02	1.31E-02	3.04E-02	1.00E-02	9.97E-04	5.44E-02	1.24E-02	6.05E-08	1.34E-04	2.72E-05	1.26E-02
212	487427.14	3857078.23	3.96E-02	7.63E-08	8.49E-05	2.96E-05	3.98E-02	1.87E-02	3.14E-02	6.37E-03	1.08E-03	5.76E-02	1.78E-02	6.26E-08	8.49E-05	2.96E-05	1.79E-02
213	487477.14	3857078.23	3.61E-02	7.55E-08	8.18E-05	2.93E-05	3.62E-02	1.70E-02	3.11E-02	6.14E-03	1.08E-03	5.54E-02	1.62E-02	6.20E-08	8.18E-05	2.93E-05	1.63E-02
214	487527.14	3857078.23	3.36E-02	7.49E-08	8.32E-05	2.90E-05	3.37E-02	1.59E-02	3.09E-02	6.24E-03	1.06E-03	5.40E-02	1.51E-02	6.15E-08	8.32E-05	2.90E-05	1.52E-02
215	487577.14	3857078.23	3.20E-02	7.43E-08	8.84E-05	2.87E-05	3.22E-02	1.51E-02	3.06E-02	6.63E-03	1.05E-03	5.34E-02	1.44E-02	6.09E-08	8.84E-05	2.87E-05	1.45E-02
216	487627.14	3857078.23	3.07E-02	7.38E-08	9.58E-05	2.78E-05	3.08E-02	1.45E-02	3.04E-02	7.18E-03	1.02E-03	5.31E-02	1.38E-02	6.05E-08	9.58E-05	2.78E-05	1.39E-02
217	487677.14	3857078.23	2.94E-02	7.66E-08	1.01E-04	2.79E-05	2.95E-02	1.39E-02	3.16E-02	7.54E-03	1.02E-03	5.40E-02	1.32E-02	6.29E-08	1.01E-04	2.79E-05	1.33E-02
218	487727.14	3857078.23	2.82E-02	7.69E-08	1.24E-04	2.74E-05	2.83E-02	1.33E-02	3.17E-02	9.34E-03	1.00E-03	5.53E-02	1.26E-02	6.31E-08	1.24E-04	2.74E-05	1.28E-02
219	487777.14	3857078.23	2.71E-02	7.68E-08	1.37E-04	2.65E-05	2.73E-02	1.28E-02	3.16E-02	1.03E-02	9.73E-04	5.57E-02	1.22E-02	6.30E-08	1.37E-04	2.65E-05	1.23E-02
220	487427.14	3857128.23	3.68E-02	8.01E-08	8.74E-05	2.86E-05	3.69E-02	1.74E-02	3.30E-02	6.56E-03	1.05E-03	5.80E-02	1.65E-02	6.57E-08	8.74E-05	2.86E-05	1.66E-02
221	487477.14	3857128.23	3.45E-02	7.81E-08	8.46E-05	2.84E-05	3.46E-02	1.63E-02	3.22E-02	6.35E-03	1.04E-03	5.58E-02	1.55E-02	6.41E-08	8.46E-05	2.84E-05	1.56E-02
222	487527.14	3857128.23	3.24E-02	7.72E-08	8.23E-05	2.79E-05	3.25E-02	1.53E-02	3.18E-02	6.17E-03	1.02E-03	5.43E-02	1.45E-02	6.33E-08	8.23E-05	2.79E-05	1.46E-02
223	487577.14	3857128.23	3.04E-02	7.65E-08	9.05E-05	2.72E-05	3.06E-02	1.44E-02	3.15E-02	6.79E-03	9.96E-04	5.37E-02	1.37E-02	6.28E-08	9.05E-05	2.72E-05	1.38E-02
224	487627.14	3857128.23	2.88E-02	7.65E-08	9.92E-05	2.62E-05	2.89E-02	1.36E-02	3.15E-02	7.44E-03	9.60E-04	5.35E-02	1.29E-02	6.28E-08	9.92E-05	2.62E-05	1.30E-02
225	487677.14	3857128.23	2.74E-02	7.88E-08	1.05E-04	2.69E-05	2.75E-02	1.29E-02	3.24E-02	7.86E-03	9.87E-04	5.42E-02	1.23E-02	6.46E-08	1.05E-04	2.69E-05	1.24E-02
226	487727.14	3857128.23	2.62E-02	7.93E-08	1.14E-04	2.57E-05	2.63E-02	1.23E-02	3.27E-02	8.57E-03	9.41E-04	5.45E-02	1.17E-02	6.51E-08	1.14E-04	2.57E-05	1.19E-02
227	487777.14	3857128.23	2.52E-02	7.89E-08	1.34E-04	2.53E-05	2.53E-02	1.19E-02	3.25E-02	1.01E-02	9.29E-04	5.54E-02	1.13E-02	6.48E-08	1.34E-04	2.53E-05	1.14E-02
228	488049.44	3856539.39	1.99E-02	5.10E-08	6.61E-05	2.49E-05	2.00E-02	9.38E-03	2.10E-02	4.96E-03	9.11E-04	3.63E-02	8.91E-03	4.19E-08	6.61E-05	2.49E-05	9.01E-03
229	488099.44	3856539.39	1.91E-02	5.02E-08	6.10E-05	2.48E-05	1.92E-02	9.00E-03	2.07E-02	4.57E-03	9.11E-04	3.52E-02	8.56E-03	4.12E-08	6.10E-05	2.48E-05	8.64E-03
230	488149.44	3856539.39	1.83E-02	4.92E-08	6.37E-05	2.47E-05	1.84E-02	8.65E-03	2.03E-02	4.78E-03	9.07E-04	3.46E-02	8.23E-03	4.04E-08	6.37E-05	2.47E-05	8.32E-03
231	488049.44	3856589.39	2.10E-02	5.31E-08	6.74E-05	2.54E-05	2.11E-02	9.93E-03	2.19E-02	5.05E-03	9.33E-04	3.78E-02	9.44E-03	4.36E-08	6.74E-05	2.54E-05	9.53E-03
232	488099.44	3856589.39	2.03E-02	5.25E-08	6.53E-05	2.46E-05	2.04E-02	9.56E-03	2.16E-02	4.90E-03	9.01E-04	3.70E-02	9.09E-03	4.31E-08	6.53E-05	2.46E-05	9.18E-03
233	488149.44	3856589.39	1.95E-02	5.19E-08	6.57E-05	2.38E-05	1.96E-02	9.21E-03	2.14E-02	4.93E-03	8.74E-04	3.64E-02	8.76E-03	4.26E-08	6.57E-05	2.38E-05	8.85E-03
234	488199.44	3856589.39	1.88E-02	4.98E-08	6.36E-05	2.36E-05	1.89E-02	8.88E-03	2.05E-02	4.77E-03	8.66E-04	3.50E-02	8.44E-03	4.09E-08	6.36E-05	2.36E-05	8.53E-03
235	488249.44	3856589.39	1.82E-02	5.01E-08	7.04E-05	2.39E-05	1.83E-02	8.57E-03	2.07E-02	5.28E-03	8.76E-04	3.54E-02	8.15E-03	4.11E-08	7.04E-05	2.39E-05	8.24E-03
236	488049.44	3856639.39	2.23E-02	5.56E-08	6.87E-05	2.72E-05	2.23E-02	1.05E-02	2.29E-02	5.15E-03	9.99E-04	3.95E-02	9.98E-03	4.56E-08	6.87E-05	2.72E-05	1.01E-02
237	488099.44	3856639.39	2.15E-02	5.39E-08	6.97E-05	2.66E-05	2.16E-02	1.01E-02	2.22E-02	5.23E-03	9.74E-04	3.85E-02	9.63E-03	4.42E-08	6.97E-05	2.66E-05	9.73E-03
238	488149.44	3856639.39	2.07E-02	5.32E-08	7.02E-05	2.58E-05	2.08E-02	9.78E-03	2.19E-02	5.27E-03	9.46E-04	3.79E-02	9.30E-03	4.37E-08	7.02E-05	2.58E-05	9.39E-03
239	488199.44	3856639.39	2.00E-02	5.28E-08	6.78E-05	2.52E-05	2.01E-02	9.44E-03	2.18E-02	5.08E-03	9.22E-04	3.72E-02	8.97E-03	4.33E-08	6.78E-05	2.52E-05	9.07E-03
240	488249.44	3856639.39	1.93E-02	5.12E-08	7.10E-05	2.48E-05	1.94E-02	9.11E-03	2.11E-02	5.33E-03	9.08E-04	3.64E-02	8.66E-03	4.20E-08	7.10E-05	2.48E-05	8.76E-03

241	488299.44	3856639.39	1.87E-02	5.09E-08	7.79E-05	2.43E-05	1.88E-02	8.80E-03	2.10E-02	5.84E-03	8.91E-04	3.65E-02	8.37E-03	4.18E-08	7.79E-05	2.43E-05	8.47E-03
242	488349.44	3856639.39	1.80E-02	5.05E-08	7.36E-05	2.39E-05	1.81E-02	8.50E-03	2.08E-02	5.52E-03	8.75E-04	3.57E-02	8.08E-03	4.14E-08	7.36E-05	2.39E-05	8.18E-03
243	488399.44	3856639.39	1.74E-02	5.19E-08	8.66E-05	2.34E-05	1.75E-02	8.21E-03	2.14E-02	6.49E-03	8.60E-04	3.69E-02	7.80E-03	4.26E-08	8.66E-05	2.34E-05	7.91E-03
244	488099.44	3856689.39	2.22E-02	5.71E-08	7.21E-05	2.81E-05	2.23E-02	1.05E-02	2.35E-02	5.41E-03	1.03E-03	4.04E-02	9.96E-03	4.68E-08	7.21E-05	2.81E-05	1.01E-02
245	488149.44	3856689.39	2.16E-02	5.55E-08	7.53E-05	2.70E-05	2.17E-02	1.02E-02	2.29E-02	5.65E-03	9.91E-04	3.97E-02	9.69E-03	4.55E-08	7.53E-05	2.70E-05	9.79E-03
246	488199.44	3856689.39	2.10E-02	5.46E-08	7.23E-05	2.58E-05	2.11E-02	9.92E-03	2.25E-02	5.42E-03	9.45E-04	3.88E-02	9.43E-03	4.48E-08	7.23E-05	2.58E-05	9.53E-03
247	488249.44	3856689.39	2.05E-02	5.37E-08	7.15E-05	2.66E-05	2.06E-02	9.65E-03	2.21E-02	5.36E-03	9.76E-04	3.81E-02	9.18E-03	4.40E-08	7.15E-05	2.66E-05	9.28E-03
248	488299.44	3856689.39	1.98E-02	5.37E-08	7.68E-05	2.52E-05	1.99E-02	9.32E-03	2.21E-02	5.76E-03	9.25E-04	3.81E-02	8.87E-03	4.40E-08	7.68E-05	2.52E-05	8.97E-03
249	488349.44	3856689.39	1.91E-02	5.32E-08	8.00E-05	2.42E-05	1.92E-02	9.01E-03	2.19E-02	6.00E-03	8.89E-04	3.78E-02	8.57E-03	4.37E-08	8.00E-05	2.42E-05	8.68E-03
250	488399.44	3856689.39	1.85E-02	5.25E-08	9.04E-05	2.36E-05	1.86E-02	8.72E-03	2.16E-02	6.78E-03	8.66E-04	3.80E-02	8.29E-03	4.31E-08	9.04E-05	2.36E-05	8.41E-03
251	488099.44	3856739.39	2.25E-02	6.06E-08	7.48E-05	2.87E-05	2.26E-02	1.06E-02	2.50E-02	5.61E-03	1.05E-03	4.22E-02	1.01E-02	4.97E-08	7.48E-05	2.87E-05	1.02E-02
252	488149.44	3856739.39	2.19E-02	5.86E-08	8.09E-05	2.76E-05	2.20E-02	1.03E-02	2.42E-02	6.06E-03	1.01E-03	4.16E-02	9.82E-03	4.81E-08	8.09E-05	2.76E-05	9.93E-03
253	488199.44	3856739.39	2.13E-02	5.79E-08	7.72E-05	2.60E-05	2.14E-02	1.01E-02	2.39E-02	5.79E-03	9.55E-04	4.07E-02	9.57E-03	4.75E-08	7.72E-05	2.60E-05	9.67E-03
254	488249.44	3856739.39	2.08E-02	5.61E-08	7.19E-05	2.58E-05	2.09E-02	9.83E-03	2.31E-02	5.40E-03	9.45E-04	3.93E-02	9.34E-03	4.60E-08	7.19E-05	2.58E-05	9.44E-03
255	488299.44	3856739.39	2.04E-02	5.47E-08	7.52E-05	2.51E-05	2.05E-02	9.60E-03	2.25E-02	5.64E-03	9.21E-04	3.87E-02	9.13E-03	4.49E-08	7.52E-05	2.51E-05	9.23E-03
256	488349.44	3856739.39	1.98E-02	5.57E-08	8.54E-05	2.36E-05	1.99E-02	9.35E-03	2.29E-02	6.41E-03	8.64E-04	3.95E-02	8.89E-03	4.57E-08	8.54E-05	2.36E-05	9.00E-03
257	488399.44	3856739.39	1.92E-02	5.59E-08	9.44E-05	2.34E-05	1.94E-02	9.07E-03	2.30E-02	7.08E-03	8.56E-04	4.00E-02	8.63E-03	4.59E-08	9.44E-05	2.34E-05	8.74E-03
258	487999.44	3856789.39	2.40E-02	6.07E-08	8.62E-05	2.73E-05	2.42E-02	1.13E-02	2.50E-02	6.47E-03	1.00E-03	4.38E-02	1.08E-02	4.98E-08	8.62E-05	2.73E-05	1.09E-02
259	488049.44	3856789.39	2.34E-02	6.08E-08	8.50E-05	2.77E-05	2.35E-02	1.10E-02	2.50E-02	6.38E-03	1.02E-03	4.34E-02	1.05E-02	4.99E-08	8.50E-05	2.77E-05	1.06E-02
260	488099.44	3856789.39	2.27E-02	6.12E-08	8.13E-05	2.71E-05	2.28E-02	1.07E-02	2.52E-02	6.10E-03	9.92E-04	4.30E-02	1.02E-02	5.02E-08	8.13E-05	2.71E-05	1.03E-02
261	488149.44	3856789.39	2.19E-02	6.04E-08	8.50E-05	2.70E-05	2.20E-02	1.03E-02	2.49E-02	6.37E-03	9.91E-04	4.26E-02	9.83E-03	4.96E-08	8.50E-05	2.70E-05	9.95E-03
262	488199.44	3856789.39	2.12E-02	5.98E-08	8.25E-05	2.68E-05	2.13E-02	1.00E-02	2.46E-02	6.19E-03	9.82E-04	4.18E-02	9.51E-03	4.91E-08	8.25E-05	2.68E-05	9.62E-03
263	488249.44	3856789.39	2.05E-02	5.85E-08	7.35E-05	2.66E-05	2.06E-02	9.69E-03	2.41E-02	5.51E-03	9.75E-04	4.03E-02	9.22E-03	4.80E-08	7.35E-05	2.66E-05	9.32E-03
264	488299.44	3856789.39	2.00E-02	5.67E-08	7.91E-05	2.58E-05	2.01E-02	9.41E-03	2.34E-02	5.93E-03	9.44E-04	3.96E-02	8.95E-03	4.65E-08	7.91E-05	2.58E-05	9.06E-03
265	488349.44	3856789.39	1.93E-02	5.79E-08	8.95E-05	2.43E-05	1.94E-02	9.11E-03	2.39E-02	6.72E-03	8.89E-04	4.06E-02	8.67E-03	4.75E-08	8.95E-05	2.43E-05	8.78E-03
266	488399.44	3856789.39	1.87E-02	5.80E-08	9.85E-05	2.46E-05	1.89E-02	8.84E-03	2.39E-02	7.39E-03	9.01E-04	4.10E-02	8.41E-03	4.76E-08	9.85E-05	2.46E-05	8.53E-03
267	487949.44	3856839.39	2.48E-02	6.10E-08	9.14E-05	2.71E-05	2.49E-02	1.17E-02	2.51E-02	6.85E-03	9.95E-04	4.47E-02	1.11E-02	5.01E-08	9.14E-05	2.71E-05	1.12E-02
268	487999.44	3856839.39	2.38E-02	6.10E-08	8.80E-05	2.72E-05	2.39E-02	1.12E-02	2.51E-02	6.60E-03	9.97E-04	4.40E-02	1.07E-02	5.01E-08	8.80E-05	2.72E-05	1.08E-02
269	488049.44	3856839.39	2.29E-02	6.12E-08	8.68E-05	2.73E-05	2.30E-02	1.08E-02	2.52E-02	6.51E-03	1.00E-03	4.35E-02	1.03E-02	5.02E-08	8.68E-05	2.73E-05	1.04E-02
270	488099.44	3856839.39	2.22E-02	6.15E-08	8.74E-05	2.87E-05	2.24E-02	1.05E-02	2.53E-02	6.56E-03	1.05E-03	4.34E-02	9.97E-03	5.05E-08	8.74E-05	2.87E-05	1.01E-02
271	488149.44	3856839.39	2.16E-02	6.17E-08	8.58E-05	2.86E-05	2.17E-02	1.02E-02	2.54E-02	6.43E-03	1.05E-03	4.31E-02	9.69E-03	5.06E-08	8.58E-05	2.86E-05	9.80E-03
272	488199.44	3856839.39	2.10E-02	6.17E-08	8.20E-05	2.74E-05	2.11E-02	9.90E-03	2.54E-02	6.15E-03	1.01E-03	4.25E-02	9.41E-03	5.07E-08	8.20E-05	2.74E-05	9.52E-03
273	487949.44	3856889.39	2.46E-02	6.41E-08	9.29E-05	2.76E-05	2.47E-02	1.16E-02	2.64E-02	6.97E-03	1.01E-03	4.60E-02	1.10E-02	5.26E-08	9.29E-05	2.76E-05	1.11E-02
274	487999.44	3856889.39	2.38E-02	6.48E-08	9.51E-05	2.66E-05	2.39E-02	1.12E-02	2.67E-02	7.13E-03	9.76E-04	4.60E-02	1.07E-02	5.32E-08	9.51E-05	2.66E-05	1.08E-02
275	488049.44	3856889.39	2.31E-02	6.45E-08	8.45E-05	2.74E-05	2.32E-02	1.09E-02	2.66E-02	6.34E-03	1.00E-03	4.48E-02	1.03E-02	5.29E-08	8.45E-05	2.74E-05	1.05E-02
276	488099.44	3856889.39	2.24E-02	6.49E-08	8.51E-05	2.89E-05	2.25E-02	1.05E-02	2.68E-02	6.39E-03	1.06E-03	4.47E-02	1.00E-02	5.33E-08	8.51E-05	2.89E-05	1.01E-02
277	488635.86	3857895.05	9.88E-03	1.03E-07	5.75E-04	2.22E-05	1.05E-02	4.66E-03	4.25E-02	4.31E-02	8.15E-04	9.11E-02	4.43E-03	8.47E-08	5.75E-04	2.22E-05	5.03E-03
278	489137.64	3857804.15	1.05E-02	9.14E-08	2.80E-04	2.63E-05	1.08E-02	4.96E-03	3.77E-02	2.10E-02	9.66E-04	6.46E-02	4.71E-03	7.50E-08	2.80E-04	2.63E-05	5.02E-03
279	488617.32	3857859.41	1.01E-02	1.00E-07	5.64E-04	2.14E-05	1.07E-02	4.77E-03	4.14E-02	4.23E-02	7.85E-04	8.92E-02	4.54E-03	8.25E-08	5.64E-04	2.14E-05	5.12E-03
280	488667.32	3857859.41	1.04E-02	9.91E-08	5.22E-04	2.22E-05	1.10E-02	4.91E-03	4.08E-02	3.91E-02	8.15E-04	8.57E-02	4.67E-03	8.13E-08	5.22E-04	2.22E-05	5.22E-03
281	488717.32	3857859.41	1.06E-02	9.77E-08	4.79E-04	2.21E-05	1.11E-02	5.02E-03	4.03E-02	3.59E-02	8.10E-04	8.20E-02	4.78E-03	8.02E-08	4.79E-04	2.21E-05	5.28E-03
282	488767.32	3857859.41	1.09E-02	9.69E-08	4.38E-04	2.29E-05	1.13E-02	5.13E-03	3.99E-02	3.28E-02	8.40E-04	7.87E-02	4.88E-03	7.95E-08	4.38E-04	2.29E-05	5.34E-03
283	488617.32	3857909.41	9.92E-03	1.04E-07	6.11E-04	2.23E-05	1.06E-02	4.68E-03	4.27E-02	4.58E-02	8.18E-04	9.40E-02	4.45E-03	8.50E-08	6.11E-04	2.23E-05	5.08E-03
284	488667.32	3857909.41	9.70E-03	1.05E-07	5.44E-04	2.25E-05	1.03E-02	4.58E-03	4.32E-02	4.08E-02	8.25E-04	8.94E-02	4.35E-03	8.60E-08	5.44E-04	2.25E-05	4.92E-03
285	488717.32	3857909.41	9.68E-03	1.03E-07	5.05E-04	2.61E-05	1.02E-02	4.57E-03	4.24E-02	3.78E-02	9.58E-04	8.58E-02	4.34E-03	8.45E-08	5.05E-04	2.61E-05	4.87E-03
286	488767.32	3857909.41	9.93E-03	1.02E-07	4.65E-04	2.37E-05	1.04E-02	4.68E-03	4.20E-02	3.49E-02	8.70E-04	8.24E-02	4.45E-03	8.37E-08	4.65E-04	2.37E-05	4.94E-03
287	488417.32	3857959.41	9.81E-03	1.05E-07	1.03E-03	2.50E-05	1.09E-02	4.63E-03	4.33E-02	7.74E-02	9.17E-04	1.26E-01	4.40E-03	8.63E-08	1.03E-03	2.50E-05	5.46E-03
288	488467.32	3857959.41	9.40E-03	1.06E-07	9.12E-04	2.31E-05	1.03E-02	4.44E-03	4.38E-02	6.84E-02	8.46E-04	1.17E-01	4.22E-03	8.72E-08	9.12E-04	2.31E-05	5.15E-03
289	488517.32	3857959.41	9.56E-03	1.07E-07	8.15E-04	2.29E-05	1.04E-02	4.51E-03	4.40E-02	6.12E-02	8.40E-04	1.10E-01	4.29E-03	8.75E-08	8.15E-04	2.29E-05	5.12E-03
290	488567.32	3857959.41	9.69E-03	1.08E-07	7.21E-04	2.33E-05	1.04E-02	4.57E-03	4.45E-02	5.41E-02	8.56E-04	1.04E-01	4.35E-03	8.86E-08	7.21E-04	2.33E-05	5.09E-03
291	488617.32	3857959.41	9.64E-03	1.06E-07	6.38E-04	2.30E-05	1.03E-02	4.55E-03	4.37E-02	4.78E-02	8.44E-04	9.69E-02	4.32E-03	8.70E-08	6.38E-04	2.30E-05	4.98E-03
292	488667.32	3857959.41	9.56E-03	1.07E-07	5.69E-04	2.56E-05	1.02E-02	4.51E-03	4.40E-02	4.27E-02	9.39E-04	9.21E-02	4.29E-03	8.76E-08	5.69E-04	2.56E-05	4.88E-03
293	488717.32	3857959.41	9.43E-03	1.07E-07	5.35E-04	2.43E-05	9.99E-03	4.45E-03	4.42E-02	4.01E-02	8.93E-04	8.96E-02	4.23E-03	8.80E-08	5.35E-04	2.43E-05	4.79E-03
294	488767.32	3857959.41	9.28E-03	1.07E-07	5.17E-04	2.68E-05	9.82E-03	4.38E-03	4.39E-02	3.88E-02	9.81E-04	8.81E-02	4.16E-03	8.75E-08	5.17E-04	2.68E-05	4.70E-03
295	488417.32	3858009.41	9.91E-03	1.08E-07	1.05E-03	2.39E-05	1.10E-02	4.67E-03	4.44E-02	7.89E-02	8.76E-04	1.29E-01	4.44E-03	8.85E-08	1.05E-03	2.39E-05	5.52E-03
296	488467.32	3858009.41	9.55E-03	1.11E-07	9.05E-04	2.39E-05	1.05E-02	4.50E-03	4.57E-02	6.79E-02	8.76E-04	1.19E-01	4.28E-03	9.10E-08	9.05E-04	2.39E-05	5.21E-03
297	488517.32	3858009.41	9.12E-03	1.12E-07	7.78E-04	2.38E-05	9.92E-03	4.30E-03	4.59E-02	5.84E-02	8.74E-04	1.09E-01	4.09E-03	9.15E-08	7.78E-04	2.38E-05	4.89E-03
298	488567.32	3858009.41	8.93E-03	1.13E-07	6.81E-04	2.37E-05	9.63E-03	4.21E-03	4.64E-02	5.11E-02	8.71E-04	1.03E-01	4.00E-03	9.25E-08	6.81E-04	2.37E-05	4.71E-03
299	488617.32	3858009.41	9.19E-03	1.09E-07	6.04E-04	2.48E-05	9.82E-03	4.34E-03	4.50E-02	4.53E-02	9.09E-04	9.56E-02	4.12E-03	8.97E-08	6.04E-04	2.48E-05	4.75E-03
300	488667.32	3858009.41	9.19E-03	1.09E-07	5.38E-04	2.70E-05	9.76E-03	4.34E-03	4.49E-02	4.03E-02	9.88E-04	9.05E-02	4.12E-03	8.93E-08	5.38E-04	2.70E-05	4.69E-03
301	488717.32	3858009.41	9.16E-03	1.09E-07	4.88E-04	2.80E-05	9.68E-03	4.32E-03	4.49E-02	3.66E-02	1.03E-03	8.68E-02	4.11E-03	8.94E-08	4.88E-04	2.80E-05	4.63E-03

302	488767.32	3858009.41	9.10E-03	1.11E-07	4.48E-04	2.95E-05	9.58E-03	4.29E-03	4.58E-02	3.36E-02	1.08E-03	8.48E-02	4.08E-03	9.13E-08	4.48E-04	2.95E-05	4.56E-03
303	488417.32	3858059.41	1.04E-02	1.14E-07	1.06E-03	2.68E-05	1.15E-02	4.90E-03	4.71E-02	7.96E-02	9.84E-04	1.33E-01	4.66E-03	9.38E-08	1.06E-03	2.68E-05	5.75E-03
304	488467.32	3858059.41	9.60E-03	1.15E-07	8.93E-04	2.63E-05	1.05E-02	4.53E-03	4.75E-02	6.69E-02	9.65E-04	1.20E-01	4.31E-03	9.46E-08	8.93E-04	2.63E-05	5.23E-03
305	488517.32	3858059.41	9.26E-03	1.17E-07	7.84E-04	2.70E-05	1.01E-02	4.37E-03	4.81E-02	5.88E-02	9.89E-04	1.12E-01	4.15E-03	9.58E-08	7.84E-04	2.70E-05	4.97E-03
306	488567.32	3858059.41	9.01E-03	1.18E-07	6.84E-04	2.72E-05	9.72E-03	4.25E-03	4.84E-02	5.13E-02	9.98E-04	1.05E-01	4.04E-03	9.65E-08	6.84E-04	2.72E-05	4.75E-03
307	488617.32	3858059.41	8.64E-03	1.14E-07	6.09E-04	2.91E-05	9.28E-03	4.07E-03	4.70E-02	4.57E-02	1.07E-03	9.78E-02	3.87E-03	9.36E-08	6.09E-04	2.91E-05	4.51E-03
308	488667.32	3858059.41	8.54E-03	1.12E-07	5.46E-04	2.86E-05	9.12E-03	4.03E-03	4.63E-02	4.10E-02	1.05E-03	9.24E-02	3.83E-03	9.23E-08	5.46E-04	2.86E-05	4.41E-03
309	488417.32	3858109.41	9.93E-03	1.21E-07	1.18E-03	2.99E-05	1.11E-02	4.68E-03	4.96E-02	8.84E-02	1.10E-03	1.44E-01	4.45E-03	9.89E-08	1.18E-03	2.99E-05	5.66E-03
310	488467.32	3858109.41	1.01E-02	1.21E-07	9.31E-04	3.03E-05	1.10E-02	4.75E-03	4.98E-02	6.98E-02	1.11E-03	1.25E-01	4.51E-03	9.92E-08	9.31E-04	3.03E-05	5.48E-03
311	488517.32	3858109.41	9.39E-03	1.23E-07	8.11E-04	3.11E-05	1.02E-02	4.43E-03	5.05E-02	6.08E-02	1.14E-03	1.17E-01	4.21E-03	1.01E-07	8.11E-04	3.11E-05	5.05E-03
312	488567.32	3858109.41	9.00E-03	1.23E-07	6.86E-04	2.87E-05	9.72E-03	4.24E-03	5.06E-02	5.14E-02	1.05E-03	1.07E-01	4.04E-03	1.01E-07	6.86E-04	2.87E-05	4.75E-03
313	488617.32	3858109.41	8.79E-03	1.20E-07	6.23E-04	2.79E-05	9.44E-03	4.14E-03	4.96E-02	4.68E-02	1.02E-03	1.02E-01	3.94E-03	9.89E-08	6.23E-04	2.79E-05	4.59E-03
314	488667.32	3858109.41	8.36E-03	1.20E-07	5.39E-04	2.80E-05	8.92E-03	3.94E-03	4.93E-02	4.04E-02	1.03E-03	9.47E-02	3.75E-03	9.83E-08	5.39E-04	2.80E-05	4.32E-03
315	488769.93	3858449.27	7.65E-03	1.55E-07	3.04E-04	3.02E-05	7.98E-03	3.61E-03	6.37E-02	2.28E-02	1.11E-03	9.12E-02	3.43E-03	1.27E-07	3.04E-04	3.02E-05	3.76E-03
316	488819.93	3858449.27	7.21E-03	1.53E-07	3.25E-04	3.29E-05	7.56E-03	3.40E-03	6.32E-02	2.43E-02	1.21E-03	9.22E-02	3.23E-03	1.26E-07	3.25E-04	3.29E-05	3.59E-03
317	488819.93	3858499.27	7.51E-03	1.61E-07	2.66E-04	3.61E-05	7.82E-03	3.54E-03	6.64E-02	1.99E-02	1.32E-03	9.12E-02	3.37E-03	1.32E-07	2.66E-04	3.61E-05	3.67E-03
318	488869.93	3858499.27	6.98E-03	1.59E-07	2.57E-04	3.56E-05	7.27E-03	3.29E-03	6.56E-02	1.92E-02	1.31E-03	8.95E-02	3.13E-03	1.31E-07	2.57E-04	3.56E-05	3.42E-03
319	488869.93	3858549.27	7.33E-03	1.72E-07	2.28E-04	3.45E-05	7.59E-03	3.46E-03	7.10E-02	1.71E-02	1.26E-03	9.28E-02	3.29E-03	1.41E-07	2.28E-04	3.45E-05	3.55E-03
320	489438.17	3859571.48	5.01E-03	2.46E-07	7.97E-05	3.75E-05	5.13E-03	2.36E-03	1.01E-01	5.97E-03	1.37E-03	1.11E-01	2.25E-03	2.01E-07	7.97E-05	3.75E-05	2.37E-03
321	489488.17	3859571.48	5.12E-03	2.38E-07	8.36E-05	3.68E-05	5.24E-03	2.41E-03	9.82E-02	6.27E-03	1.35E-03	1.08E-01	2.29E-03	1.96E-07	8.36E-05	3.68E-05	2.42E-03
322	489538.17	3859571.48	5.49E-03	2.32E-07	8.12E-05	3.69E-05	5.61E-03	2.59E-03	9.54E-02	6.09E-03	1.35E-03	1.05E-01	2.46E-03	1.90E-07	8.12E-05	3.69E-05	2.58E-03
323	489588.17	3859571.48	5.51E-03	2.26E-07	8.91E-05	3.68E-05	5.64E-03	2.60E-03	9.30E-02	6.68E-03	1.35E-03	1.04E-01	2.47E-03	1.85E-07	8.91E-05	3.68E-05	2.60E-03
324	489438.17	3859621.48	4.81E-03	2.42E-07	7.74E-05	4.08E-05	4.92E-03	2.27E-03	9.96E-02	5.80E-03	1.50E-03	1.09E-01	2.16E-03	1.98E-07	7.74E-05	4.08E-05	2.27E-03
325	489488.17	3859621.48	4.90E-03	2.37E-07	7.69E-05	4.10E-05	5.02E-03	2.31E-03	9.75E-02	5.77E-03	1.50E-03	1.07E-01	2.20E-03	1.94E-07	7.69E-05	4.10E-05	2.32E-03
326	489538.17	3859621.48	4.98E-03	2.31E-07	8.15E-05	3.89E-05	5.10E-03	2.35E-03	9.54E-02	6.11E-03	1.43E-03	1.05E-01	2.23E-03	1.90E-07	8.15E-05	3.89E-05	2.35E-03
327	489588.17	3859621.48	5.35E-03	2.26E-07	8.39E-05	3.66E-05	5.48E-03	2.53E-03	9.30E-02	6.29E-03	1.34E-03	1.03E-01	2.40E-03	1.85E-07	8.39E-05	3.66E-05	2.52E-03
328	489238.17	3859671.48	5.37E-03	2.55E-07	8.04E-05	5.11E-05	5.50E-03	2.53E-03	1.05E-01	6.03E-03	1.87E-03	1.15E-01	2.41E-03	2.09E-07	8.04E-05	5.11E-05	2.54E-03
329	489288.17	3859671.48	5.35E-03	2.52E-07	8.64E-05	4.86E-05	5.48E-03	2.52E-03	1.04E-01	6.48E-03	1.78E-03	1.14E-01	2.40E-03	2.06E-07	8.64E-05	4.86E-05	2.53E-03
330	489338.17	3859671.48	5.15E-03	2.48E-07	8.06E-05	4.59E-05	5.27E-03	2.43E-03	1.02E-01	6.05E-03	1.68E-03	1.12E-01	2.31E-03	2.03E-07	8.06E-05	4.59E-05	2.43E-03
331	489388.17	3859671.48	5.16E-03	2.43E-07	7.60E-05	4.34E-05	5.28E-03	2.43E-03	1.00E-01	5.70E-03	1.59E-03	1.10E-01	2.31E-03	1.99E-07	7.60E-05	4.34E-05	2.43E-03
332	489438.17	3859671.48	5.01E-03	2.39E-07	8.01E-05	4.11E-05	5.13E-03	2.36E-03	9.86E-02	6.01E-03	1.51E-03	1.08E-01	2.24E-03	1.96E-07	8.01E-05	4.11E-05	2.37E-03
333	489488.17	3859671.48	4.71E-03	2.34E-07	7.37E-05	3.90E-05	4.82E-03	2.22E-03	9.64E-02	5.53E-03	1.43E-03	1.06E-01	2.11E-03	1.92E-07	7.37E-05	3.90E-05	2.23E-03
334	489538.17	3859671.48	4.81E-03	2.29E-07	7.94E-05	3.71E-05	4.93E-03	2.27E-03	9.43E-02	5.95E-03	1.36E-03	1.04E-01	2.16E-03	1.88E-07	7.94E-05	3.71E-05	2.27E-03
335	489588.17	3859671.48	4.87E-03	2.23E-07	7.98E-05	3.56E-05	4.98E-03	2.30E-03	9.20E-02	5.99E-03	1.30E-03	1.02E-01	2.18E-03	1.83E-07	7.98E-05	3.56E-05	2.30E-03
336	489238.17	3859721.48	4.95E-03	2.49E-07	8.28E-05	4.86E-05	5.08E-03	2.34E-03	1.03E-01	6.21E-03	1.78E-03	1.13E-01	2.22E-03	2.04E-07	8.28E-05	4.86E-05	2.35E-03
337	489288.17	3859721.48	5.28E-03	2.38E-07	7.93E-05	4.59E-05	5.41E-03	2.49E-03	9.82E-02	5.95E-03	1.68E-03	1.08E-01	2.37E-03	1.96E-07	7.93E-05	4.59E-05	2.50E-03
338	489338.17	3859721.48	5.26E-03	2.35E-07	8.72E-05	4.40E-05	5.39E-03	2.48E-03	9.69E-02	6.54E-03	1.61E-03	1.07E-01	2.36E-03	1.93E-07	8.72E-05	4.40E-05	2.49E-03
339	489388.17	3859721.48	5.06E-03	2.32E-07	8.15E-05	4.31E-05	5.18E-03	2.38E-03	9.55E-02	6.11E-03	1.58E-03	1.06E-01	2.27E-03	1.90E-07	8.15E-05	4.31E-05	2.39E-03
340	489438.17	3859721.48	5.05E-03	2.29E-07	7.68E-05	4.05E-05	5.17E-03	2.38E-03	9.42E-02	5.76E-03	1.48E-03	1.04E-01	2.27E-03	1.88E-07	7.68E-05	4.05E-05	2.38E-03
341	489488.17	3859721.48	4.93E-03	2.24E-07	8.21E-05	3.92E-05	5.05E-03	2.32E-03	9.23E-02	6.16E-03	1.44E-03	1.02E-01	2.21E-03	1.84E-07	8.21E-05	3.92E-05	2.33E-03
342	489538.17	3859721.48	4.62E-03	2.20E-07	7.45E-05	3.66E-05	4.74E-03	2.18E-03	9.05E-02	5.59E-03	1.34E-03	9.96E-02	2.07E-03	1.80E-07	7.45E-05	3.66E-05	2.19E-03
343	489588.17	3859721.48	4.72E-03	2.15E-07	7.82E-05	3.51E-05	4.84E-03	2.23E-03	8.87E-02	5.87E-03	1.29E-03	9.81E-02	2.12E-03	1.77E-07	7.82E-05	3.51E-05	2.23E-03
344	489238.17	3859771.48	5.02E-03	2.51E-07	8.67E-05	5.23E-05	5.16E-03	2.37E-03	1.03E-01	6.50E-03	1.92E-03	1.14E-01	2.25E-03	2.06E-07	8.67E-05	5.23E-05	2.39E-03
345	489288.17	3859771.48	4.88E-03	2.43E-07	8.47E-05	4.94E-05	5.02E-03	2.30E-03	1.00E-01	6.35E-03	1.81E-03	1.11E-01	2.19E-03	1.99E-07	8.47E-05	4.94E-05	2.32E-03
346	489338.17	3859771.48	5.19E-03	2.33E-07	8.49E-05	4.80E-05	5.32E-03	2.45E-03	9.59E-02	6.37E-03	1.76E-03	1.07E-01	2.33E-03	1.91E-07	8.49E-05	4.80E-05	2.46E-03
347	489388.17	3859771.48	5.16E-03	2.24E-07	8.75E-05	4.50E-05	5.29E-03	2.43E-03	9.21E-02	6.56E-03	1.65E-03	1.03E-01	2.31E-03	1.84E-07	8.75E-05	4.50E-05	2.44E-03
348	489438.17	3859771.48	4.95E-03	2.20E-07	8.18E-05	4.22E-05	5.08E-03	2.34E-03	9.08E-02	6.14E-03	1.55E-03	1.01E-01	2.22E-03	1.81E-07	8.18E-05	4.22E-05	2.35E-03
349	489488.17	3859771.48	4.97E-03	2.15E-07	7.82E-05	3.98E-05	5.09E-03	2.34E-03	8.88E-02	5.87E-03	1.46E-03	9.85E-02	2.23E-03	1.77E-07	7.82E-05	3.98E-05	2.35E-03
350	489538.17	3859771.48	4.86E-03	2.11E-07	8.42E-05	3.77E-05	4.98E-03	2.29E-03	8.70E-02	6.31E-03	1.38E-03	9.69E-02	2.18E-03	1.73E-07	8.42E-05	3.77E-05	2.30E-03
351	489588.17	3859771.48	4.54E-03	2.08E-07	7.65E-05	3.65E-05	4.65E-03	2.14E-03	8.56E-02	5.74E-03	1.34E-03	9.48E-02	2.04E-03	1.70E-07	7.65E-05	3.65E-05	2.15E-03
352	489238.17	3859821.48	5.02E-03	2.41E-07	8.02E-05	5.83E-05	5.16E-03	2.37E-03	9.93E-02	6.02E-03	2.14E-03	1.10E-01	2.25E-03	1.98E-07	8.02E-05	5.83E-05	2.39E-03
353	489288.17	3859821.48	4.92E-03	2.38E-07	8.97E-05	5.36E-05	5.06E-03	2.32E-03	9.80E-02	6.73E-03	1.97E-03	1.09E-01	2.21E-03	1.95E-07	8.97E-05	5.36E-05	2.35E-03
354	489338.17	3859821.48	4.80E-03	2.36E-07	8.51E-05	5.10E-05	4.94E-03	2.26E-03	9.74E-02	6.38E-03	1.87E-03	1.08E-01	2.15E-03	1.94E-07	8.51E-05	5.10E-05	2.29E-03
355	489388.17	3859821.48	5.10E-03	2.29E-07	9.06E-05	4.83E-05	5.24E-03	2.41E-03	9.44E-02	6.79E-03	1.77E-03	1.05E-01	2.29E-03	1.88E-07	9.06E-05	4.83E-05	2.43E-03
356	489438.17	3859821.48	5.07E-03	2.20E-07	8.79E-05	4.59E-05	5.21E-03	2.39E-03	9.05E-02	6.59E-03	1.68E-03	1.01E-01	2.28E-03	1.80E-07	8.79E-05	4.59E-05	2.41E-03
357	489488.17	3859821.48	4.89E-03	2.10E-07	8.29E-05	4.32E-05	5.02E-03	2.31E-03	8.65E-02	6.22E-03	1.59E-03	9.67E-02	2.19E-03	1.72E-07	8.29E-05	4.32E-05	2.32E-03
358	489538.17	3859821.48	4.90E-03	2.05E-07	8.06E-05	4.12E-05	5.02E-03	2.31E-03	8.46E-02	6.04E-03	1.51E-03	9.45E-02	2.20E-03	1.69E-07	8.06E-05	4.12E-05	2.32E-03
359	489588.17	3859821.48	4.78E-03	2.02E-07	8.60E-05	3.95E-05	4.91E-03	2.26E-03	8.32E-02	6.45E-03	1.45E-03	9.33E-02	2.14E-03	1.66E-07	8.60E-05	3.95E-05	2.27E-03
360	489238.17	3859871.48	4.75E-03	2.41E-07	7.74E-05	6.80E-05	4.90E-03	2.24E-03	9.93E-02	5.81E-03	2.50E-03	1.10E-01	2.13E-03	1.98E-07	7.74E-05	6.80E-05	2.28E-03
361	489288.17	3859871.48	4.96E-03	2.34E-07	8.80E-05	6.47E-05	5.11E-03	2.34E-03	9.64E-02	6.60E-03	2.37E-03	1.08E-01	2.22E-03	1.92E-07	8.80E-05	6.47E-05	2.38E-03
362	489338.17	3859871.48	4.81E-03	2.28E-07	9.13E-05	6.14E-05	4.96E-03	2.27E-03	9.37E-02	6.85E-03	2.25E-03	1.05E-01	2.16E-03	1.87E-07	9.13E-05	6.14E-05	2.31E-03

363	489388.17	3859871.48	4.74E-03	2.23E-07	8.61E-05	5.91E-05	4.88E-03	2.23E-03	9.18E-02	6.46E-03	2.17E-03	1.03E-01	2.12E-03	1.83E-07	8.61E-05	5.91E-05	2.27E-03
364	489438.17	3859871.48	5.05E-03	2.18E-07	9.43E-05	5.56E-05	5.20E-03	2.38E-03	8.97E-02	7.07E-03	2.04E-03	1.01E-01	2.26E-03	1.79E-07	9.43E-05	5.56E-05	2.41E-03
365	489488.17	3859871.48	5.03E-03	2.12E-07	8.92E-05	5.23E-05	5.17E-03	2.37E-03	8.73E-02	6.69E-03	1.92E-03	9.83E-02	2.25E-03	1.74E-07	8.92E-05	5.23E-05	2.40E-03
366	489538.17	3859871.48	4.83E-03	2.09E-07	8.39E-05	4.88E-05	4.96E-03	2.28E-03	8.61E-02	6.29E-03	1.79E-03	9.65E-02	2.16E-03	1.72E-07	8.39E-05	4.88E-05	2.30E-03
367	489588.17	3859871.48	4.83E-03	2.00E-07	8.29E-05	4.57E-05	4.96E-03	2.28E-03	8.24E-02	6.22E-03	1.68E-03	9.26E-02	2.16E-03	1.64E-07	8.29E-05	4.57E-05	2.29E-03
368	489238.17	3859921.48	4.38E-03	2.44E-07	7.60E-05	7.36E-05	4.53E-03	2.06E-03	1.00E-01	5.70E-03	2.70E-03	1.11E-01	1.96E-03	2.00E-07	7.60E-05	7.36E-05	2.11E-03
369	489288.17	3859921.48	4.71E-03	2.28E-07	8.10E-05	7.12E-05	4.86E-03	2.22E-03	9.38E-02	6.08E-03	2.61E-03	1.05E-01	2.11E-03	1.87E-07	8.10E-05	7.12E-05	2.26E-03
370	489338.17	3859921.48	4.91E-03	2.21E-07	9.67E-05	6.87E-05	5.08E-03	2.32E-03	9.10E-02	7.25E-03	2.52E-03	1.03E-01	2.20E-03	1.81E-07	9.67E-05	6.87E-05	2.37E-03
371	489388.17	3859921.48	4.75E-03	2.16E-07	9.58E-05	6.66E-05	4.91E-03	2.24E-03	8.90E-02	7.18E-03	2.44E-03	1.01E-01	2.13E-03	1.77E-07	9.58E-05	6.66E-05	2.29E-03
372	489438.17	3859921.48	4.72E-03	2.10E-07	9.16E-05	6.41E-05	4.87E-03	2.22E-03	8.67E-02	6.87E-03	2.35E-03	9.81E-02	2.12E-03	1.73E-07	9.16E-05	6.41E-05	2.27E-03
373	489488.17	3859921.48	5.01E-03	2.02E-07	9.51E-05	6.01E-05	5.16E-03	2.36E-03	8.32E-02	7.13E-03	2.20E-03	9.49E-02	2.25E-03	1.66E-07	9.51E-05	6.01E-05	2.40E-03
374	489538.17	3859921.48	4.95E-03	1.99E-07	8.93E-05	5.71E-05	5.10E-03	2.33E-03	8.19E-02	6.70E-03	2.09E-03	9.30E-02	2.22E-03	1.63E-07	8.93E-05	5.71E-05	2.37E-03
375	489588.17	3859921.48	4.77E-03	1.96E-07	8.52E-05	5.43E-05	4.91E-03	2.25E-03	8.05E-02	6.39E-03	1.99E-03	9.12E-02	2.14E-03	1.60E-07	8.52E-05	5.43E-05	2.28E-03
376	489238.17	3859971.48	4.13E-03	2.46E-07	7.44E-05	5.64E-05	4.26E-03	1.95E-03	1.01E-01	5.58E-03	2.07E-03	1.11E-01	1.85E-03	2.02E-07	7.44E-05	5.64E-05	1.98E-03
377	489288.17	3859971.48	4.35E-03	2.36E-07	7.53E-05	5.79E-05	4.48E-03	2.05E-03	9.73E-02	5.65E-03	2.12E-03	1.07E-01	1.95E-03	1.94E-07	7.53E-05	5.79E-05	2.08E-03
378	489338.17	3859971.48	4.67E-03	2.26E-07	9.03E-05	5.91E-05	4.82E-03	2.20E-03	9.30E-02	6.77E-03	2.17E-03	1.04E-01	2.09E-03	1.85E-07	9.03E-05	5.91E-05	2.24E-03
379	489388.17	3859971.48	4.87E-03	2.13E-07	1.04E-04	5.98E-05	5.03E-03	2.30E-03	8.79E-02	7.79E-03	2.19E-03	1.00E-01	2.18E-03	1.75E-07	1.04E-04	5.98E-05	2.35E-03
380	489438.17	3859971.48	4.71E-03	2.04E-07	1.05E-04	6.03E-05	4.87E-03	2.22E-03	8.39E-02	7.87E-03	2.21E-03	9.62E-02	2.11E-03	1.67E-07	1.05E-04	6.03E-05	2.28E-03
381	489488.17	3859971.48	4.71E-03	1.93E-07	1.01E-04	6.02E-05	4.87E-03	2.22E-03	7.93E-02	7.56E-03	2.21E-03	9.13E-02	2.11E-03	1.58E-07	1.01E-04	6.02E-05	2.27E-03
382	489538.17	3859971.48	5.01E-03	1.85E-07	9.56E-05	5.97E-05	5.16E-03	2.36E-03	7.61E-02	7.17E-03	2.19E-03	8.78E-02	2.25E-03	1.52E-07	9.56E-05	5.97E-05	2.40E-03
383	489588.17	3859971.48	4.95E-03	1.75E-07	8.99E-05	5.90E-05	5.10E-03	2.34E-03	7.20E-02	6.74E-03	2.16E-03	8.32E-02	2.22E-03	1.43E-07	8.99E-05	5.90E-05	2.37E-03
384	483577.7	3854071	1.17E-02	2.89E-08	1.99E-05	1.63E-05	1.17E-02	5.51E-03	1.19E-02	1.50E-03	5.99E-04	1.95E-02	5.24E-03	2.37E-08	1.99E-05	1.63E-05	5.28E-03
385	483627.7	3854071	1.22E-02	2.84E-08	1.93E-05	1.63E-05	1.22E-02	5.75E-03	1.17E-02	1.44E-03	5.97E-04	1.95E-02	5.47E-03	2.33E-08	1.93E-05	1.63E-05	5.51E-03
386	483677.7	3854071	1.24E-02	2.77E-08	1.85E-05	1.83E-05	1.24E-02	5.85E-03	1.14E-02	1.39E-03	6.72E-04	1.93E-02	5.56E-03	2.27E-08	1.85E-05	1.83E-05	5.60E-03
387	483727.7	3854071	1.24E-02	2.69E-08	1.77E-05	1.66E-05	1.24E-02	5.84E-03	1.11E-02	1.32E-03	6.08E-04	1.88E-02	5.55E-03	2.20E-08	1.77E-05	1.66E-05	5.59E-03
388	483777.7	3854071	1.20E-02	2.60E-08	1.67E-05	1.64E-05	1.21E-02	5.68E-03	1.07E-02	1.26E-03	6.03E-04	1.82E-02	5.40E-03	2.13E-08	1.67E-05	1.64E-05	5.44E-03
389	483577.7	3854121	1.21E-02	2.93E-08	2.08E-05	1.69E-05	1.22E-02	5.71E-03	1.21E-02	1.56E-03	6.21E-04	2.00E-02	5.43E-03	2.40E-08	2.08E-05	1.69E-05	5.47E-03
390	483627.7	3854121	1.20E-02	2.86E-08	2.02E-05	1.75E-05	1.21E-02	5.68E-03	1.18E-02	1.52E-03	6.42E-04	1.96E-02	5.40E-03	2.34E-08	2.02E-05	1.75E-05	5.44E-03
391	483677.7	3854121	1.26E-02	2.76E-08	1.95E-05	1.83E-05	1.27E-02	5.95E-03	1.14E-02	1.46E-03	6.71E-04	1.94E-02	5.66E-03	2.26E-08	1.95E-05	1.83E-05	5.69E-03
392	483727.7	3854121	1.28E-02	2.57E-08	1.87E-05	1.67E-05	1.28E-02	6.02E-03	1.06E-02	1.41E-03	6.11E-04	1.86E-02	5.72E-03	2.11E-08	1.87E-05	1.67E-05	5.76E-03
393	483777.7	3854121	1.34E-02	2.50E-08	1.79E-05	1.69E-05	1.35E-02	6.33E-03	1.03E-02	1.34E-03	6.21E-04	1.86E-02	6.02E-03	2.05E-08	1.79E-05	1.69E-05	6.05E-03
394	483577.7	3854171	1.26E-02	2.90E-08	2.15E-05	1.88E-05	1.27E-02	5.96E-03	1.20E-02	1.61E-03	6.89E-04	2.02E-02	5.67E-03	2.38E-08	2.15E-05	1.88E-05	5.71E-03
395	483627.7	3854171	1.25E-02	2.80E-08	2.10E-05	2.02E-05	1.25E-02	5.88E-03	1.15E-02	1.58E-03	7.41E-04	1.97E-02	5.59E-03	2.30E-08	2.10E-05	2.02E-05	5.64E-03
396	483677.7	3854171	1.24E-02	2.71E-08	2.05E-05	1.64E-05	1.24E-02	5.84E-03	1.11E-02	1.53E-03	6.00E-04	1.91E-02	5.55E-03	2.22E-08	2.05E-05	1.64E-05	5.59E-03
397	483727.7	3854171	1.38E-02	2.55E-08	1.98E-05	1.67E-05	1.38E-02	6.50E-03	1.05E-02	1.48E-03	6.13E-04	1.91E-02	6.18E-03	2.09E-08	1.98E-05	1.67E-05	6.22E-03
398	483777.7	3854171	1.41E-02	2.38E-08	1.90E-05	1.97E-05	1.41E-02	6.65E-03	9.81E-03	1.42E-03	7.23E-04	1.86E-02	6.33E-03	1.95E-08	1.90E-05	1.97E-05	6.36E-03
399	483827.7	3854171	1.42E-02	2.28E-08	1.81E-05	1.90E-05	1.42E-02	6.70E-03	9.41E-03	1.36E-03	6.95E-04	1.82E-02	6.37E-03	1.87E-08	1.81E-05	1.90E-05	6.41E-03
400	483877.7	3854171	1.37E-02	2.24E-08	1.72E-05	1.86E-05	1.37E-02	6.45E-03	9.25E-03	1.29E-03	6.82E-04	1.77E-02	6.13E-03	1.84E-08	1.72E-05	1.86E-05	6.17E-03
401	483727.7	3854221	1.36E-02	2.55E-08	2.07E-05	2.07E-05	1.36E-02	6.41E-03	1.05E-02	1.55E-03	7.61E-04	1.92E-02	6.09E-03	2.09E-08	2.07E-05	2.07E-05	6.14E-03
402	483777.7	3854221	1.44E-02	2.36E-08	2.00E-05	2.01E-05	1.44E-02	6.78E-03	9.73E-03	1.50E-03	7.37E-04	1.87E-02	6.45E-03	1.94E-08	2.00E-05	2.01E-05	6.49E-03
403	483827.7	3854221	1.46E-02	2.29E-08	1.93E-05	1.94E-05	1.46E-02	6.88E-03	9.45E-03	1.44E-03	7.11E-04	1.85E-02	6.55E-03	1.88E-08	1.93E-05	1.94E-05	6.58E-03
404	483877.7	3854221	1.45E-02	2.22E-08	1.84E-05	1.87E-05	1.46E-02	6.86E-03	9.14E-03	1.38E-03	6.86E-04	1.81E-02	6.52E-03	1.82E-08	1.84E-05	1.87E-05	6.56E-03
405	489150.19	3858726.45	6.24E-03	1.90E-07	1.54E-04	3.16E-05	6.43E-03	2.95E-03	7.85E-02	1.16E-02	1.16E-03	9.42E-02	2.80E-03	1.56E-07	1.54E-04	3.16E-05	2.99E-03
406	489200.19	3858726.45	6.07E-03	1.82E-07	1.57E-04	3.02E-05	6.26E-03	2.86E-03	7.49E-02	1.18E-02	1.11E-03	9.07E-02	2.72E-03	1.49E-07	1.57E-04	3.02E-05	2.91E-03
407	489150.19	3858776.45	6.43E-03	2.02E-07	1.45E-04	3.13E-05	6.61E-03	3.03E-03	8.32E-02	1.08E-02	1.15E-03	9.82E-02	2.89E-03	1.66E-07	1.45E-04	3.13E-05	3.06E-03
408	489200.19	3858776.45	6.16E-03	1.94E-07	1.45E-04	3.10E-05	6.33E-03	2.90E-03	7.98E-02	1.09E-02	1.14E-03	9.47E-02	2.76E-03	1.59E-07	1.45E-04	3.10E-05	2.94E-03
409	488919.6	3856400.76	1.34E-02	4.28E-08	1.03E-04	2.10E-05	1.36E-02	6.34E-03	1.76E-02	7.75E-03	7.68E-04	3.25E-02	6.03E-03	3.52E-08	1.03E-04	2.10E-05	6.15E-03
410	488919.6	3856450.76	1.37E-02	4.36E-08	1.04E-04	2.08E-05	1.38E-02	6.46E-03	1.80E-02	7.83E-03	7.64E-04	3.30E-02	6.15E-03	3.58E-08	1.04E-04	2.08E-05	6.27E-03
411	488969.6	3856450.76	1.35E-02	4.32E-08	8.43E-05	2.06E-05	1.36E-02	6.38E-03	1.78E-02	6.32E-03	7.55E-04	3.13E-02	6.07E-03	3.55E-08	8.43E-05	2.06E-05	6.17E-03
412	488919.6	3856500.76	1.40E-02	4.55E-08	9.59E-05	2.06E-05	1.41E-02	6.58E-03	1.87E-02	7.19E-03	7.54E-04	3.33E-02	6.26E-03	3.73E-08	9.59E-05	2.06E-05	6.37E-03
413	488969.6	3856500.76	1.38E-02	4.47E-08	9.13E-05	2.06E-05	1.39E-02	6.49E-03	1.84E-02	6.85E-03	7.57E-04	3.25E-02	6.18E-03	3.67E-08	9.13E-05	2.06E-05	6.29E-03
414	488919.6	3856550.76	1.42E-02	4.77E-08	9.03E-05	2.00E-05	1.43E-02	6.69E-03	1.96E-02	6.77E-03	7.33E-04	3.38E-02	6.36E-03	3.91E-08	9.03E-05	2.00E-05	6.47E-03
415	488969.6	3856550.76	1.40E-02	4.67E-08	8.67E-05	2.08E-05	1.41E-02	6.60E-03	1.92E-02	6.50E-03	7.64E-04	3.31E-02	6.28E-03	3.83E-08	8.67E-05	2.08E-05	6.39E-03
416	488819.6	3856600.76	1.50E-02	5.00E-08	8.81E-05	2.07E-05	1.51E-02	7.06E-03	2.06E-02	6.61E-03	7.60E-04	3.50E-02	6.71E-03	4.11E-08	8.81E-05	2.07E-05	6.82E-03
417	488869.6	3856600.76	1.47E-02	4.99E-08	9.59E-05	2.05E-05	1.48E-02	6.92E-03	2.05E-02	7.19E-03	7.53E-04	3.54E-02	6.58E-03	4.09E-08	9.59E-05	2.05E-05	6.70E-03
418	488919.6	3856600.76	1.44E-02	4.95E-08	8.82E-05	2.11E-05	1.45E-02	6.79E-03	2.04E-02	6.61E-03	7.72E-04	3.46E-02	6.45E-03	4.06E-08	8.82E-05	2.11E-05	6.56E-03
419	488819.6	3856650.76	1.51E-02	5.04E-08	8.87E-05	2.10E-05	1.52E-02	7.14E-03	2.08E-02	6.65E-03	7.68E-04	3.53E-02	6.79E-03	4.14E-08	8.87E-05	2.10E-05	6.90E-03
420	488869.6	3856650.76	1.49E-02	5.01E-08	9.04E-05	2.08E-05	1.50E-02	7.04E-03	2.06E-02	6.78E-03	7.62E-04	3.52E-02	6.69E-03	4.11E-08	9.04E-05	2.08E-05	6.80E-03
421	488819.6	3856700.76	1.53E-02	5.15E-08	9.61E-05	2.21E-05	1.54E-02	7.20E-03	2.12E-02	7.21E-03	8.11E-04	3.64E-02	6.84E-03	4.22E-08	9.61E-05	2.21E-05	6.96E-03
422	488869.6	3856700.76	1.50E-02	5.10E-08	8.11E-05	2.28E-05	1.51E-02	7.09E-03	2.10E-02	6.08E-03	8.38E-04	3.50E-02	6.74E-03	4.19E-08	8.11E-05	2.28E-05	6.85E-03
423	488819.6	3856750.76	1.54E-02	5.38E-08	9.32E-05	2.31E-05	1.55E-02	7.28E-03	2.21E-02	6.99E-03	8.47E-04	3.73E-02	6.92E-03	4.41E-08	9.32E-05	2.31E-05	7.04E-03

424	488869.6	3856750.76	1.51E-02	5.35E-08	8.56E-05	2.50E-05	1.52E-02	7.12E-03	2.21E-02	6.42E-03	9.17E-04	3.65E-02	6.77E-03	4.39E-08	8.56E-05	2.50E-05	6.88E-03
425	488819.6	3857050.76	1.43E-02	6.74E-08	1.47E-04	2.65E-05	1.44E-02	6.73E-03	2.78E-02	1.10E-02	9.72E-04	4.65E-02	6.40E-03	5.53E-08	1.47E-04	2.65E-05	6.57E-03
426	488869.6	3857050.76	1.40E-02	6.72E-08	1.53E-04	2.81E-05	1.41E-02	6.58E-03	2.77E-02	1.15E-02	1.03E-03	4.68E-02	6.26E-03	5.52E-08	1.53E-04	2.81E-05	6.44E-03
427	488919.6	3857050.76	1.37E-02	6.64E-08	1.49E-04	2.68E-05	1.38E-02	6.44E-03	2.74E-02	1.11E-02	9.82E-04	4.59E-02	6.13E-03	5.45E-08	1.49E-04	2.68E-05	6.30E-03
428	488819.6	3857100.76	1.39E-02	6.96E-08	1.57E-04	2.88E-05	1.41E-02	6.54E-03	2.87E-02	1.18E-02	1.05E-03	4.81E-02	6.22E-03	5.71E-08	1.57E-04	2.88E-05	6.41E-03
429	488869.6	3857100.76	1.36E-02	6.90E-08	1.57E-04	2.72E-05	1.38E-02	6.41E-03	2.84E-02	1.17E-02	9.96E-04	4.76E-02	6.09E-03	5.66E-08	1.57E-04	2.72E-05	6.28E-03
430	488919.6	3857100.76	1.33E-02	6.77E-08	1.53E-04	2.61E-05	1.35E-02	6.27E-03	2.79E-02	1.15E-02	9.57E-04	4.66E-02	5.97E-03	5.56E-08	1.53E-04	2.61E-05	6.15E-03
431	488819.6	3857150.76	1.32E-02	7.17E-08	1.58E-04	2.63E-05	1.34E-02	6.22E-03	2.96E-02	1.18E-02	9.63E-04	4.86E-02	5.91E-03	5.89E-08	1.58E-04	2.63E-05	6.10E-03
432	488869.6	3857150.76	1.30E-02	7.07E-08	1.57E-04	2.47E-05	1.31E-02	6.11E-03	2.91E-02	1.18E-02	9.06E-04	4.79E-02	5.81E-03	5.80E-08	1.57E-04	2.47E-05	5.99E-03
433	488919.6	3857150.76	1.27E-02	7.03E-08	1.46E-04	2.63E-05	1.29E-02	6.00E-03	2.90E-02	1.10E-02	9.65E-04	4.69E-02	5.71E-03	5.77E-08	1.46E-04	2.63E-05	5.88E-03
434	488969.6	3857150.76	1.25E-02	7.00E-08	1.55E-04	2.71E-05	1.27E-02	5.91E-03	2.88E-02	1.16E-02	9.93E-04	4.74E-02	5.62E-03	5.74E-08	1.55E-04	2.71E-05	5.80E-03
435	488819.6	3857200.76	1.29E-02	7.29E-08	1.62E-04	2.39E-05	1.31E-02	6.07E-03	3.00E-02	1.21E-02	8.76E-04	4.91E-02	5.77E-03	5.98E-08	1.62E-04	2.39E-05	5.96E-03
436	488869.6	3857200.76	1.26E-02	7.26E-08	1.61E-04	2.49E-05	1.28E-02	5.93E-03	2.99E-02	1.21E-02	9.11E-04	4.88E-02	5.64E-03	5.96E-08	1.61E-04	2.49E-05	5.83E-03
437	488919.6	3857200.76	1.24E-02	7.21E-08	1.57E-04	2.64E-05	1.25E-02	5.83E-03	2.97E-02	1.18E-02	9.69E-04	4.83E-02	5.54E-03	5.92E-08	1.57E-04	2.64E-05	5.72E-03
438	488969.6	3857200.76	1.21E-02	7.14E-08	1.54E-04	2.73E-05	1.23E-02	5.73E-03	2.94E-02	1.16E-02	1.00E-03	4.77E-02	5.45E-03	5.86E-08	1.54E-04	2.73E-05	5.63E-03
439	488819.6	3857250.76	1.27E-02	7.43E-08	1.66E-04	2.34E-05	1.29E-02	6.01E-03	3.06E-02	1.25E-02	8.59E-04	4.99E-02	5.72E-03	6.09E-08	1.66E-04	2.34E-05	5.91E-03
440	488869.6	3857250.76	1.26E-02	7.40E-08	1.69E-04	2.51E-05	1.28E-02	5.92E-03	3.05E-02	1.27E-02	9.20E-04	5.01E-02	5.63E-03	6.08E-08	1.69E-04	2.51E-05	5.83E-03
441	488919.6	3857250.76	1.23E-02	7.32E-08	1.64E-04	2.64E-05	1.25E-02	5.79E-03	3.02E-02	1.23E-02	9.69E-04	4.92E-02	5.50E-03	6.01E-08	1.64E-04	2.64E-05	5.69E-03
442	488969.6	3857250.76	1.19E-02	7.27E-08	1.66E-04	2.66E-05	1.21E-02	5.62E-03	2.99E-02	1.24E-02	9.76E-04	4.90E-02	5.34E-03	5.96E-08	1.66E-04	2.66E-05	5.54E-03
443	488819.6	3857300.76	1.22E-02	7.70E-08	1.74E-04	2.38E-05	1.24E-02	5.75E-03	3.17E-02	1.31E-02	8.71E-04	5.14E-02	5.47E-03	6.32E-08	1.74E-04	2.38E-05	5.67E-03
444	488869.6	3857300.76	1.21E-02	7.53E-08	1.72E-04	2.42E-05	1.23E-02	5.69E-03	3.10E-02	1.29E-02	8.88E-04	5.05E-02	5.41E-03	6.18E-08	1.72E-04	2.42E-05	5.60E-03
445	488919.6	3857300.76	1.19E-02	7.46E-08	1.63E-04	2.45E-05	1.21E-02	5.62E-03	3.07E-02	1.22E-02	8.97E-04	4.95E-02	5.34E-03	6.12E-08	1.63E-04	2.45E-05	5.53E-03
446	488819.6	3857450.76	1.09E-02	7.91E-08	2.15E-04	2.45E-05	1.11E-02	5.12E-03	3.26E-02	1.61E-02	8.99E-04	5.47E-02	4.87E-03	6.49E-08	2.15E-04	2.45E-05	5.11E-03
447	488869.6	3857450.76	1.07E-02	7.81E-08	2.01E-04	2.33E-05	1.09E-02	5.02E-03	3.22E-02	1.51E-02	8.54E-04	5.31E-02	4.78E-03	6.41E-08	2.01E-04	2.33E-05	5.00E-03
448	488919.6	3857450.76	1.05E-02	7.78E-08	1.91E-04	2.29E-05	1.07E-02	4.97E-03	3.21E-02	1.43E-02	8.39E-04	5.22E-02	4.72E-03	6.38E-08	1.91E-04	2.29E-05	4.94E-03
449	488819.6	3857500.76	1.08E-02	7.99E-08	2.28E-04	2.30E-05	1.11E-02	5.10E-03	3.29E-02	1.71E-02	8.42E-04	5.60E-02	4.85E-03	6.56E-08	2.28E-04	2.30E-05	5.10E-03
450	488869.6	3857500.76	1.07E-02	7.95E-08	2.18E-04	2.32E-05	1.09E-02	5.03E-03	3.28E-02	1.63E-02	8.51E-04	5.50E-02	4.78E-03	6.53E-08	2.18E-04	2.32E-05	5.02E-03
451	488919.6	3857500.76	1.04E-02	7.91E-08	2.17E-04	2.26E-05	1.06E-02	4.90E-03	3.26E-02	1.63E-02	8.27E-04	5.46E-02	4.66E-03	6.49E-08	2.17E-04	2.26E-05	4.90E-03
452	488819.6	3857550.76	1.09E-02	8.34E-08	2.55E-04	2.19E-05	1.11E-02	5.12E-03	3.44E-02	1.92E-02	8.04E-04	5.95E-02	4.87E-03	6.85E-08	2.55E-04	2.19E-05	5.15E-03
453	488869.6	3857550.76	1.04E-02	8.26E-08	2.48E-04	2.30E-05	1.06E-02	4.89E-03	3.40E-02	1.86E-02	8.42E-04	5.83E-02	4.65E-03	6.78E-08	2.48E-04	2.30E-05	4.92E-03
454	488919.6	3857550.76	1.02E-02	8.16E-08	2.33E-04	2.24E-05	1.05E-02	4.83E-03	3.36E-02	1.75E-02	8.20E-04	5.67E-02	4.59E-03	6.70E-08	2.33E-04	2.24E-05	4.85E-03
455	489663.71	3860900.05	3.16E-03	1.48E-07	5.41E-05	3.14E-05	3.24E-03	1.49E-03	6.09E-02	4.06E-03	1.15E-03	6.76E-02	1.42E-03	1.21E-07	5.41E-05	3.14E-05	1.50E-03
456	489813.71	3860900.05	3.06E-03	1.41E-07	5.74E-05	3.05E-05	3.15E-03	1.44E-03	5.82E-02	4.31E-03	1.12E-03	6.50E-02	1.37E-03	1.16E-07	5.74E-05	3.05E-05	1.46E-03
457	489863.71	3860900.05	2.99E-03	1.35E-07	6.70E-05	3.02E-05	3.09E-03	1.41E-03	5.57E-02	5.03E-03	1.11E-03	6.32E-02	1.34E-03	1.11E-07	6.70E-05	3.02E-05	1.44E-03
458	489913.71	3860900.05	3.00E-03	1.33E-07	7.70E-05	3.01E-05	3.11E-03	1.41E-03	5.48E-02	5.78E-03	1.10E-03	6.31E-02	1.35E-03	1.09E-07	7.70E-05	3.01E-05	1.45E-03
459	489963.71	3860900.05	3.01E-03	1.31E-07	7.97E-05	3.06E-05	3.12E-03	1.42E-03	5.41E-02	5.98E-03	1.12E-03	6.27E-02	1.35E-03	1.08E-07	7.97E-05	3.06E-05	1.46E-03
460	490013.71	3860900.05	3.00E-03	1.30E-07	8.20E-05	3.10E-05	3.12E-03	1.42E-03	5.36E-02	6.15E-03	1.14E-03	6.23E-02	1.35E-03	1.07E-07	8.20E-05	3.10E-05	1.46E-03
461	490063.71	3860900.05	2.95E-03	1.29E-07	8.38E-05	3.09E-05	3.07E-03	1.39E-03	5.32E-02	6.29E-03	1.13E-03	6.20E-02	1.32E-03	1.06E-07	8.38E-05	3.09E-05	1.44E-03
462	489663.71	3860950.05	3.05E-03	1.45E-07	5.25E-05	3.05E-05	3.14E-03	1.44E-03	5.96E-02	3.94E-03	1.12E-03	6.61E-02	1.37E-03	1.19E-07	5.25E-05	3.05E-05	1.45E-03
463	489813.71	3860950.05	3.19E-03	1.42E-07	5.63E-05	3.13E-05	3.28E-03	1.50E-03	5.85E-02	4.22E-03	1.15E-03	6.53E-02	1.43E-03	1.16E-07	5.63E-05	3.13E-05	1.52E-03
464	489863.71	3860950.05	2.97E-03	1.37E-07	6.02E-05	3.02E-05	3.06E-03	1.40E-03	5.64E-02	4.51E-03	1.11E-03	6.34E-02	1.33E-03	1.12E-07	6.02E-05	3.02E-05	1.42E-03
465	489913.71	3860950.05	2.95E-03	1.32E-07	7.08E-05	2.94E-05	3.05E-03	1.39E-03	5.43E-02	5.31E-03	1.08E-03	6.21E-02	1.32E-03	1.08E-07	7.08E-05	2.94E-05	1.42E-03
466	489963.71	3860950.05	2.93E-03	1.27E-07	7.70E-05	2.94E-05	3.04E-03	1.38E-03	5.23E-02	5.78E-03	1.08E-03	6.06E-02	1.31E-03	1.04E-07	7.70E-05	2.94E-05	1.42E-03
467	490013.71	3860950.05	2.97E-03	1.26E-07	7.95E-05	3.00E-05	3.08E-03	1.40E-03	5.17E-02	5.97E-03	1.10E-03	6.02E-02	1.33E-03	1.03E-07	7.95E-05	3.00E-05	1.44E-03
468	490063.71	3860950.05	2.96E-03	1.25E-07	8.16E-05	3.04E-05	3.07E-03	1.39E-03	5.14E-02	6.12E-03	1.11E-03	6.00E-02	1.33E-03	1.02E-07	8.16E-05	3.04E-05	1.44E-03
469	489513.71	3861000.05	2.94E-03	1.49E-07	2.27E-05	3.16E-05	3.00E-03	1.39E-03	6.14E-02	1.70E-03	1.16E-03	6.56E-02	1.32E-03	1.22E-07	2.27E-05	3.16E-05	1.37E-03
470	489563.71	3861000.05	3.00E-03	1.47E-07	3.07E-05	3.30E-05	3.06E-03	1.42E-03	6.06E-02	2.30E-03	1.21E-03	6.55E-02	1.35E-03	1.21E-07	3.07E-05	3.30E-05	1.41E-03
471	489613.71	3861000.05	3.05E-03	1.46E-07	4.01E-05	3.27E-05	3.12E-03	1.44E-03	6.02E-02	3.01E-03	1.20E-03	6.58E-02	1.37E-03	1.20E-07	4.01E-05	3.27E-05	1.44E-03
472	489663.71	3861000.05	3.06E-03	1.40E-07	5.05E-05	3.18E-05	3.15E-03	1.44E-03	5.77E-02	3.79E-03	1.17E-03	6.41E-02	1.37E-03	1.15E-07	5.05E-05	3.18E-05	1.46E-03
473	489713.71	3861000.05	3.01E-03	1.37E-07	5.26E-05	3.03E-05	3.09E-03	1.42E-03	5.63E-02	3.94E-03	1.11E-03	6.28E-02	1.35E-03	1.12E-07	5.26E-05	3.03E-05	1.43E-03
474	489763.71	3861000.05	3.13E-03	1.30E-07	5.46E-05	2.98E-05	3.21E-03	1.47E-03	5.34E-02	4.09E-03	1.09E-03	6.01E-02	1.40E-03	1.06E-07	5.46E-05	2.98E-05	1.49E-03
475	489813.71	3861000.05	3.25E-03	1.33E-07	5.52E-05	3.07E-05	3.34E-03	1.53E-03	5.47E-02	4.14E-03	1.13E-03	6.15E-02	1.46E-03	1.09E-07	5.52E-05	3.07E-05	1.54E-03
476	489863.71	3861000.05	3.10E-03	1.34E-07	5.59E-05	3.05E-05	3.19E-03	1.46E-03	5.52E-02	4.19E-03	1.12E-03	6.20E-02	1.39E-03	1.10E-07	5.59E-05	3.05E-05	1.48E-03
477	489913.71	3861000.05	2.93E-03	1.33E-07	6.40E-05	3.04E-05	3.02E-03	1.38E-03	5.48E-02	4.80E-03	1.12E-03	6.21E-02	1.31E-03	1.09E-07	6.40E-05	3.04E-05	1.41E-03
478	489963.71	3861000.05	2.90E-03	1.28E-07	7.41E-05	2.94E-05	3.01E-03	1.37E-03	5.28E-02	5.56E-03	1.08E-03	6.08E-02	1.30E-03	1.05E-07	7.41E-05	2.94E-05	1.41E-03
479	490013.71	3861000.05	2.88E-03	1.24E-07	7.70E-05	2.88E-05	2.98E-03	1.36E-03	5.11E-02	5.78E-03	1.06E-03	5.93E-02	1.29E-03	1.02E-07	7.70E-05	2.88E-05	1.40E-03
480	490063.71	3861000.05	2.94E-03	1.20E-07	7.93E-05	2.95E-05	3.04E-03	1.38E-03	4.95E-02	5.95E-03	1.08E-03	5.79E-02	1.32E-03	9.85E-08	7.93E-05	2.95E-05	1.43E-03
481	489513.71	3861050.05	2.91E-03	1.47E-07	1.93E-05	3.19E-05	2.97E-03	1.37E-03	6.04E-02	1.45E-03	1.17E-03	6.44E-02	1.31E-03	1.20E-07	1.93E-05	3.19E-05	1.36E-03
482	489563.71	3861050.05	2.91E-03	1.41E-07	2.65E-05	3.15E-05	2.97E-03	1.37E-03	5.82E-02	1.98E-03	1.15E-03	6.27E-02	1.30E-03	1.16E-07	2.65E-05	3.15E-05	1.36E-03
483	489613.71	3861050.05	2.97E-03	1.39E-07	3.51E-05	3.28E-05	3.03E-03	1.40E-03	5.71E-02	2.63E-03	1.20E-03	6.23E-02	1.33E-03	1.14E-07	3.51E-05	3.28E-05	1.40E-03
484	489663.71	3861050.05	3.01E-03	1.40E-07	4.48E-05	3.23E-05	3.08E-03	1.42E-03	5.77E-02	3.36E-03	1.18E-03	6.36E-02	1.35E-03	1.15E-07	4.48E-05	3.23E-05	1.43E-03

485	489713.71	3861050.05	2.99E-03	1.34E-07	5.11E-05	3.14E-05	3.08E-03	1.41E-03	5.53E-02	3.83E-03	1.15E-03	6.17E-02	1.34E-03	1.10E-07	5.11E-05	3.14E-05	1.43E-03
486	489763.71	3861050.05	2.98E-03	1.29E-07	5.65E-05	2.96E-05	3.07E-03	1.40E-03	5.30E-02	4.24E-03	1.09E-03	5.98E-02	1.34E-03	1.06E-07	5.65E-05	2.96E-05	1.42E-03
487	489813.71	3861050.05	3.11E-03	1.25E-07	5.39E-05	2.87E-05	3.19E-03	1.47E-03	5.15E-02	4.04E-03	1.05E-03	5.81E-02	1.40E-03	1.03E-07	5.39E-05	2.87E-05	1.48E-03
488	489863.71	3861050.05	3.21E-03	1.24E-07	5.48E-05	3.00E-05	3.29E-03	1.51E-03	5.13E-02	4.11E-03	1.10E-03	5.80E-02	1.44E-03	1.02E-07	5.48E-05	3.00E-05	1.52E-03
489	489913.71	3861050.05	3.02E-03	1.27E-07	5.74E-05	3.02E-05	3.11E-03	1.42E-03	5.22E-02	4.30E-03	1.11E-03	5.91E-02	1.35E-03	1.04E-07	5.74E-05	3.02E-05	1.44E-03
490	489963.71	3861050.05	2.88E-03	1.28E-07	6.74E-05	2.99E-05	2.98E-03	1.36E-03	5.28E-02	5.06E-03	1.10E-03	6.04E-02	1.29E-03	1.05E-07	6.74E-05	2.99E-05	1.39E-03
491	490013.71	3861050.05	2.86E-03	1.25E-07	7.44E-05	2.93E-05	2.97E-03	1.35E-03	5.15E-02	5.58E-03	1.07E-03	5.95E-02	1.28E-03	1.03E-07	7.44E-05	2.93E-05	1.39E-03
492	490063.71	3861050.05	2.84E-03	1.21E-07	7.69E-05	2.85E-05	2.94E-03	1.34E-03	4.99E-02	5.77E-03	1.04E-03	5.80E-02	1.27E-03	9.93E-08	7.69E-05	2.85E-05	1.38E-03
493	489513.71	3861100.05	2.93E-03	1.44E-07	1.64E-05	3.11E-05	2.97E-03	1.38E-03	5.93E-02	1.23E-03	1.14E-03	6.30E-02	1.31E-03	1.18E-07	1.64E-05	3.11E-05	1.36E-03
494	489563.71	3861100.05	2.86E-03	1.39E-07	2.27E-05	3.15E-05	2.91E-03	1.35E-03	5.73E-02	1.70E-03	1.15E-03	6.15E-02	1.28E-03	1.14E-07	2.27E-05	3.15E-05	1.34E-03
495	489613.71	3861100.05	2.87E-03	1.34E-07	3.03E-05	3.11E-05	2.93E-03	1.35E-03	5.50E-02	2.28E-03	1.14E-03	5.98E-02	1.29E-03	1.10E-07	3.03E-05	3.11E-05	1.35E-03
496	489663.71	3861100.05	2.94E-03	1.30E-07	3.94E-05	3.20E-05	3.01E-03	1.39E-03	5.35E-02	2.95E-03	1.17E-03	5.91E-02	1.32E-03	1.07E-07	3.94E-05	3.20E-05	1.39E-03
497	489713.71	3861100.05	2.96E-03	1.32E-07	4.94E-05	3.17E-05	3.04E-03	1.40E-03	5.45E-02	3.71E-03	1.16E-03	6.08E-02	1.33E-03	1.09E-07	4.94E-05	3.17E-05	1.41E-03
498	489763.71	3861100.05	2.95E-03	1.29E-07	5.12E-05	3.10E-05	3.03E-03	1.39E-03	5.32E-02	3.84E-03	1.14E-03	5.95E-02	1.32E-03	1.06E-07	5.12E-05	3.10E-05	1.41E-03
499	489813.71	3861100.05	2.96E-03	1.24E-07	5.39E-05	2.86E-05	3.04E-03	1.40E-03	5.11E-02	4.04E-03	1.05E-03	5.75E-02	1.33E-03	1.02E-07	5.39E-05	2.86E-05	1.41E-03
500	489863.71	3861100.05	3.09E-03	1.21E-07	5.37E-05	2.85E-05	3.18E-03	1.46E-03	4.99E-02	4.03E-03	1.05E-03	5.64E-02	1.39E-03	9.93E-08	5.37E-05	2.85E-05	1.47E-03
501	489913.71	3861100.05	3.13E-03	1.17E-07	5.45E-05	2.84E-05	3.21E-03	1.48E-03	4.82E-02	4.09E-03	1.04E-03	5.48E-02	1.40E-03	9.60E-08	5.45E-05	2.84E-05	1.49E-03
502	489963.71	3861100.05	2.94E-03	1.20E-07	6.09E-05	2.98E-05	3.03E-03	1.39E-03	4.93E-02	4.57E-03	1.09E-03	5.63E-02	1.32E-03	9.82E-08	6.09E-05	2.98E-05	1.41E-03
503	490013.71	3861100.05	2.84E-03	1.22E-07	7.06E-05	2.95E-05	2.94E-03	1.34E-03	5.01E-02	5.30E-03	1.08E-03	5.78E-02	1.28E-03	9.97E-08	7.06E-05	2.95E-05	1.38E-03
504	490063.71	3861100.05	2.82E-03	1.21E-07	7.44E-05	2.90E-05	2.93E-03	1.33E-03	4.99E-02	5.58E-03	1.06E-03	5.79E-02	1.27E-03	9.93E-08	7.44E-05	2.90E-05	1.37E-03
505	489713.71	3861150.05	2.92E-03	1.23E-07	4.39E-05	3.16E-05	2.99E-03	1.38E-03	5.07E-02	3.29E-03	1.16E-03	5.65E-02	1.31E-03	1.01E-07	4.39E-05	3.16E-05	1.38E-03
506	489763.71	3861150.05	2.93E-03	1.25E-07	4.97E-05	3.14E-05	3.01E-03	1.38E-03	5.17E-02	3.73E-03	1.15E-03	5.79E-02	1.31E-03	1.03E-07	4.97E-05	3.14E-05	1.39E-03
507	489813.71	3861150.05	2.91E-03	1.25E-07	5.43E-05	3.08E-05	2.99E-03	1.37E-03	5.14E-02	4.07E-03	1.13E-03	5.79E-02	1.30E-03	1.02E-07	5.43E-05	3.08E-05	1.39E-03
508	489863.71	3861150.05	2.95E-03	1.20E-07	5.25E-05	2.80E-05	3.03E-03	1.39E-03	4.93E-02	3.94E-03	1.03E-03	5.57E-02	1.32E-03	9.82E-08	5.25E-05	2.80E-05	1.40E-03
509	489913.71	3861150.05	3.07E-03	1.17E-07	5.34E-05	2.83E-05	3.15E-03	1.45E-03	4.81E-02	4.01E-03	1.04E-03	5.46E-02	1.38E-03	9.59E-08	5.34E-05	2.83E-05	1.46E-03
510	489963.71	3861150.05	3.05E-03	1.13E-07	5.45E-05	2.78E-05	3.13E-03	1.44E-03	4.67E-02	4.08E-03	1.02E-03	5.32E-02	1.37E-03	9.30E-08	5.45E-05	2.78E-05	1.45E-03
511	490013.71	3861150.05	2.85E-03	1.13E-07	6.41E-05	2.85E-05	2.95E-03	1.35E-03	4.64E-02	4.81E-03	1.04E-03	5.35E-02	1.28E-03	9.23E-08	6.41E-05	2.85E-05	1.37E-03
512	490063.71	3861150.05	2.81E-03	1.15E-07	7.18E-05	2.92E-05	2.91E-03	1.32E-03	4.74E-02	5.39E-03	1.07E-03	5.52E-02	1.26E-03	9.44E-08	7.18E-05	2.92E-05	1.36E-03
513	489613.71	3861200.05	2.81E-03	1.29E-07	2.25E-05	2.98E-05	2.86E-03	1.32E-03	5.31E-02	1.68E-03	1.09E-03	5.73E-02	1.26E-03	1.06E-07	2.25E-05	2.98E-05	1.31E-03
514	489663.71	3861200.05	2.78E-03	1.25E-07	3.00E-05	2.96E-05	2.84E-03	1.31E-03	5.17E-02	2.25E-03	1.09E-03	5.63E-02	1.25E-03	1.03E-07	3.00E-05	2.96E-05	1.31E-03
515	489713.71	3861200.05	2.80E-03	1.21E-07	3.87E-05	3.07E-05	2.87E-03	1.32E-03	5.00E-02	2.90E-03	1.12E-03	5.54E-02	1.26E-03	9.96E-08	3.87E-05	3.07E-05	1.32E-03
516	489763.71	3861200.05	2.89E-03	1.18E-07	4.83E-05	3.13E-05	2.97E-03	1.36E-03	4.85E-02	3.62E-03	1.15E-03	5.46E-02	1.30E-03	9.66E-08	4.83E-05	3.13E-05	1.37E-03
517	489813.71	3861200.05	2.89E-03	1.19E-07	4.98E-05	3.12E-05	2.97E-03	1.36E-03	4.91E-02	3.74E-03	1.14E-03	5.54E-02	1.30E-03	9.79E-08	4.98E-05	3.12E-05	1.38E-03
518	489863.71	3861200.05	2.87E-03	1.21E-07	5.32E-05	3.02E-05	2.95E-03	1.35E-03	4.97E-02	3.99E-03	1.11E-03	5.62E-02	1.29E-03	9.90E-08	5.32E-05	3.02E-05	1.37E-03
519	489913.71	3861200.05	2.93E-03	1.16E-07	5.23E-05	2.82E-05	3.01E-03	1.38E-03	4.78E-02	3.92E-03	1.03E-03	5.41E-02	1.32E-03	9.52E-08	5.23E-05	2.82E-05	1.40E-03
520	489963.71	3861200.05	3.03E-03	1.12E-07	5.31E-05	2.82E-05	3.11E-03	1.43E-03	4.61E-02	3.99E-03	1.04E-03	5.25E-02	1.36E-03	9.18E-08	5.31E-05	2.82E-05	1.44E-03
521	490013.71	3861200.05	2.97E-03	1.10E-07	5.79E-05	2.73E-05	3.06E-03	1.40E-03	4.53E-02	4.34E-03	1.00E-03	5.21E-02	1.33E-03	9.03E-08	5.79E-05	2.73E-05	1.42E-03
522	490063.71	3861200.05	2.78E-03	1.06E-07	6.73E-05	2.74E-05	2.87E-03	1.31E-03	4.39E-02	5.05E-03	1.01E-03	5.12E-02	1.25E-03	8.74E-08	6.73E-05	2.74E-05	1.34E-03
523	489513.71	3861250.05	3.01E-03	1.27E-07	1.63E-05	2.75E-05	3.05E-03	1.42E-03	5.22E-02	1.23E-03	1.01E-03	5.58E-02	1.35E-03	1.04E-07	1.63E-05	2.75E-05	1.39E-03
524	489563.71	3861250.05	2.91E-03	1.22E-07	1.38E-05	2.89E-05	2.95E-03	1.37E-03	5.03E-02	1.03E-03	1.06E-03	5.38E-02	1.31E-03	1.00E-07	1.38E-05	2.89E-05	1.35E-03
525	489613.71	3861250.05	2.80E-03	1.21E-07	1.92E-05	2.93E-05	2.85E-03	1.32E-03	4.99E-02	1.44E-03	1.08E-03	5.37E-02	1.26E-03	9.93E-08	1.92E-05	2.93E-05	1.30E-03
526	489663.71	3861250.05	2.76E-03	1.23E-07	2.59E-05	2.97E-05	2.81E-03	1.30E-03	5.05E-02	1.95E-03	1.09E-03	5.49E-02	1.24E-03	1.01E-07	2.59E-05	2.97E-05	1.29E-03
527	489713.71	3861250.05	2.74E-03	1.20E-07	3.39E-05	2.99E-05	2.80E-03	1.29E-03	4.95E-02	2.55E-03	1.10E-03	5.44E-02	1.23E-03	9.86E-08	3.39E-05	2.99E-05	1.29E-03
528	489763.71	3861250.05	2.80E-03	1.16E-07	4.30E-05	3.05E-05	2.87E-03	1.32E-03	4.79E-02	3.23E-03	1.12E-03	5.36E-02	1.25E-03	9.55E-08	4.30E-05	3.05E-05	1.33E-03
529	489813.71	3861250.05	2.86E-03	1.13E-07	4.84E-05	3.11E-05	2.94E-03	1.35E-03	4.67E-02	3.63E-03	1.14E-03	5.29E-02	1.28E-03	9.31E-08	4.84E-05	3.11E-05	1.36E-03
530	489863.71	3861250.05	2.85E-03	1.14E-07	5.22E-05	3.10E-05	2.94E-03	1.35E-03	4.69E-02	3.91E-03	1.14E-03	5.33E-02	1.28E-03	9.34E-08	5.22E-05	3.10E-05	1.36E-03
531	489913.71	3861250.05	2.83E-03	1.16E-07	5.11E-05	2.90E-05	2.91E-03	1.34E-03	4.76E-02	3.84E-03	1.06E-03	5.38E-02	1.27E-03	9.48E-08	5.11E-05	2.90E-05	1.35E-03
532	489963.71	3861250.05	2.92E-03	1.13E-07	5.21E-05	2.84E-05	3.00E-03	1.38E-03	4.64E-02	3.91E-03	1.04E-03	5.27E-02	1.31E-03	9.24E-08	5.21E-05	2.84E-05	1.39E-03
533	490013.71	3861250.05	2.99E-03	1.08E-07	5.29E-05	2.80E-05	3.07E-03	1.41E-03	4.45E-02	3.96E-03	1.03E-03	5.09E-02	1.34E-03	8.87E-08	5.29E-05	2.80E-05	1.42E-03
534	490063.71	3861250.05	2.90E-03	1.07E-07	6.11E-05	2.69E-05	2.98E-03	1.37E-03	4.40E-02	4.58E-03	9.86E-04	5.09E-02	1.30E-03	8.76E-08	6.11E-05	2.69E-05	1.39E-03
535	489528.13	3861308.47	2.99E-03	1.21E-07	1.72E-05	2.62E-05	3.04E-03	1.41E-03	4.97E-02	1.29E-03	9.61E-04	5.34E-02	1.34E-03	9.90E-08	1.72E-05	2.62E-05	1.39E-03
536	489578.13	3861308.47	2.84E-03	1.21E-07	1.37E-05	2.71E-05	2.88E-03	1.34E-03	4.98E-02	1.03E-03	9.95E-04	5.32E-02	1.27E-03	9.92E-08	1.37E-05	2.71E-05	1.32E-03
537	489628.13	3861308.47	2.77E-03	1.16E-07	1.75E-05	2.90E-05	2.82E-03	1.31E-03	4.78E-02	1.31E-03	1.06E-03	5.15E-02	1.24E-03	9.52E-08	1.75E-05	2.90E-05	1.29E-03
538	489678.13	3861308.47	2.75E-03	1.13E-07	2.37E-05	2.97E-05	2.81E-03	1.30E-03	4.66E-02	1.78E-03	1.09E-03	5.08E-02	1.23E-03	9.29E-08	2.37E-05	2.97E-05	1.29E-03
539	489728.13	3861308.47	2.71E-03	1.15E-07	3.12E-05	2.97E-05	2.77E-03	1.28E-03	4.73E-02	2.34E-03	1.09E-03	5.20E-02	1.22E-03	9.42E-08	3.12E-05	2.97E-05	1.28E-03
540	489778.13	3861308.47	2.71E-03	1.14E-07	3.98E-05	3.02E-05	2.78E-03	1.28E-03	4.70E-02	2.98E-03	1.11E-03	5.24E-02	1.22E-03	9.37E-08	3.98E-05	3.02E-05	1.29E-03
541	489678.13	3861358.47	2.73E-03	1.12E-07	2.04E-05	2.84E-05	2.78E-03	1.29E-03	4.60E-02	1.53E-03	1.04E-03	4.99E-02	1.23E-03	9.17E-08	2.04E-05	2.84E-05	1.28E-03
542	489728.13	3861358.47	2.71E-03	1.07E-07	2.71E-05	2.92E-05	2.77E-03	1.28E-03	4.41E-02	2.04E-03	1.07E-03	4.84E-02	1.22E-03	8.78E-08	2.71E-05	2.92E-05	1.27E-03
543	489528.13	3861408.47	2.74E-03	1.07E-07	2.05E-05	2.45E-05	2.78E-03	1.29E-03	4.41E-02	1.53E-03	8.99E-04	4.78E-02	1.23E-03	8.78E-08	2.05E-05	2.45E-05	1.27E-03
544	489578.13	3861408.47	2.86E-03	1.08E-07	1.66E-05	2.53E-05	2.90E-03	1.35E-03	4.45E-02	1.25E-03	9.29E-04	4.80E-02	1.28E-03	8.87E-08	1.66E-05	2.53E-05	1.32E-03
545	489628.13	3861408.47	2.86E-03	1.09E-07	1.33E-05	2.63E-05	2.90E-03	1.35E-03	4.51E-02	9.98E-04	9.63E-04	4.84E-02	1.28E-03	8.98E-08	1.33E-05	2.63E-05	1.32E-03

546	489678.13	3861408.47	2.74E-03	1.11E-07	1.75E-05	2.70E-05	2.78E-03	1.29E-03	4.55E-02	1.31E-03	9.91E-04	4.91E-02	1.23E-03	9.07E-08	1.75E-05	2.70E-05	1.27E-03
547	489728.13	3861408.47	2.70E-03	1.08E-07	2.35E-05	2.78E-05	2.75E-03	1.27E-03	4.44E-02	1.76E-03	1.02E-03	4.85E-02	1.21E-03	8.84E-08	2.35E-05	2.78E-05	1.26E-03
548	489528.13	3861458.47	2.72E-03	1.03E-07	2.22E-05	2.40E-05	2.76E-03	1.28E-03	4.23E-02	1.66E-03	8.80E-04	4.62E-02	1.22E-03	8.43E-08	2.22E-05	2.40E-05	1.26E-03
549	489578.13	3861458.47	2.74E-03	1.02E-07	1.82E-05	2.46E-05	2.78E-03	1.29E-03	4.20E-02	1.37E-03	9.01E-04	4.55E-02	1.23E-03	8.36E-08	1.82E-05	2.46E-05	1.27E-03
550	489628.13	3861458.47	2.85E-03	1.03E-07	1.47E-05	2.54E-05	2.89E-03	1.35E-03	4.25E-02	1.10E-03	9.31E-04	4.58E-02	1.28E-03	8.46E-08	1.47E-05	2.54E-05	1.32E-03
551	489678.13	3861458.47	2.75E-03	1.04E-07	1.49E-05	2.62E-05	2.79E-03	1.29E-03	4.30E-02	1.12E-03	9.59E-04	4.63E-02	1.23E-03	8.56E-08	1.49E-05	2.62E-05	1.27E-03
552	489728.13	3861458.47	2.67E-03	1.06E-07	2.02E-05	2.69E-05	2.72E-03	1.26E-03	4.35E-02	1.52E-03	9.85E-04	4.73E-02	1.20E-03	8.66E-08	2.02E-05	2.69E-05	1.25E-03
553	489528.13	3861508.47	2.72E-03	9.86E-08	2.11E-05	2.40E-05	2.76E-03	1.28E-03	4.06E-02	1.58E-03	8.79E-04	4.44E-02	1.22E-03	8.09E-08	2.11E-05	2.40E-05	1.26E-03
554	489578.13	3861508.47	2.66E-03	1.00E-07	1.98E-05	2.42E-05	2.71E-03	1.26E-03	4.12E-02	1.49E-03	8.86E-04	4.48E-02	1.19E-03	8.21E-08	1.98E-05	2.42E-05	1.24E-03
555	489628.13	3861508.47	2.73E-03	9.76E-08	1.61E-05	2.45E-05	2.77E-03	1.29E-03	4.02E-02	1.21E-03	8.98E-04	4.36E-02	1.22E-03	8.01E-08	1.61E-05	2.45E-05	1.27E-03
556	489678.13	3861508.47	2.84E-03	9.82E-08	1.29E-05	2.53E-05	2.88E-03	1.34E-03	4.05E-02	9.68E-04	9.26E-04	4.37E-02	1.27E-03	8.06E-08	1.29E-05	2.53E-05	1.31E-03
557	489728.13	3861508.47	2.70E-03	9.96E-08	1.74E-05	2.60E-05	2.74E-03	1.27E-03	4.10E-02	1.30E-03	9.54E-04	4.46E-02	1.21E-03	8.17E-08	1.74E-05	2.60E-05	1.25E-03
558	489628.13	3861558.47	2.61E-03	9.75E-08	1.76E-05	2.40E-05	2.65E-03	1.23E-03	4.02E-02	1.32E-03	8.82E-04	4.36E-02	1.17E-03	8.00E-08	1.76E-05	2.40E-05	1.21E-03
559	489678.13	3861558.47	2.73E-03	9.51E-08	1.43E-05	2.45E-05	2.77E-03	1.29E-03	3.92E-02	1.07E-03	8.97E-04	4.24E-02	1.22E-03	7.80E-08	1.43E-05	2.45E-05	1.26E-03
560	489728.13	3861558.47	2.76E-03	9.45E-08	1.49E-05	2.54E-05	2.80E-03	1.30E-03	3.89E-02	1.12E-03	9.30E-04	4.23E-02	1.24E-03	7.76E-08	1.49E-05	2.54E-05	1.28E-03
561	489357.08	3861015.81	3.22E-03	1.56E-07	2.09E-05	2.97E-05	3.27E-03	1.52E-03	6.44E-02	1.57E-03	1.09E-03	6.85E-02	1.44E-03	1.28E-07	2.09E-05	2.97E-05	1.49E-03
562	489407.08	3861015.81	3.12E-03	1.56E-07	1.67E-05	3.05E-05	3.16E-03	1.47E-03	6.43E-02	1.25E-03	1.12E-03	6.81E-02	1.40E-03	1.28E-07	1.67E-05	3.05E-05	1.45E-03
563	489457.08	3861015.81	3.00E-03	1.54E-07	1.45E-05	3.14E-05	3.04E-03	1.41E-03	6.33E-02	1.09E-03	1.15E-03	6.70E-02	1.34E-03	1.26E-07	1.45E-05	3.14E-05	1.39E-03
564	489357.08	3861065.81	3.25E-03	1.49E-07	2.28E-05	2.87E-05	3.30E-03	1.53E-03	6.13E-02	1.71E-03	1.05E-03	6.56E-02	1.46E-03	1.22E-07	2.28E-05	2.87E-05	1.51E-03
565	489407.08	3861065.81	3.08E-03	1.49E-07	1.85E-05	2.94E-05	3.13E-03	1.45E-03	6.15E-02	1.38E-03	1.08E-03	6.54E-02	1.38E-03	1.22E-07	1.85E-05	2.94E-05	1.43E-03
566	489457.08	3861065.81	3.05E-03	1.49E-07	1.46E-05	3.03E-05	3.10E-03	1.44E-03	6.15E-02	1.09E-03	1.11E-03	6.52E-02	1.37E-03	1.23E-07	1.46E-05	3.03E-05	1.41E-03
567	489357.08	3861115.81	3.11E-03	1.41E-07	2.45E-05	2.76E-05	3.16E-03	1.47E-03	5.81E-02	1.84E-03	1.01E-03	6.24E-02	1.40E-03	1.16E-07	2.45E-05	2.76E-05	1.45E-03
568	489407.08	3861115.81	3.23E-03	1.40E-07	2.03E-05	2.85E-05	3.28E-03	1.52E-03	5.78E-02	1.52E-03	1.04E-03	6.19E-02	1.45E-03	1.15E-07	2.03E-05	2.85E-05	1.50E-03
569	489457.08	3861115.81	3.01E-03	1.43E-07	1.63E-05	2.94E-05	3.06E-03	1.42E-03	5.88E-02	1.22E-03	1.08E-03	6.25E-02	1.35E-03	1.17E-07	1.63E-05	2.94E-05	1.40E-03
570	489407.08	3861165.81	3.10E-03	1.36E-07	2.22E-05	2.77E-05	3.15E-03	1.46E-03	5.60E-02	1.67E-03	1.01E-03	6.02E-02	1.39E-03	1.12E-07	2.22E-05	2.77E-05	1.44E-03
571	489457.08	3861165.81	3.10E-03	1.34E-07	1.80E-05	2.83E-05	3.15E-03	1.46E-03	5.54E-02	1.35E-03	1.04E-03	5.92E-02	1.39E-03	1.10E-07	1.80E-05	2.83E-05	1.44E-03
572	489407.08	3861215.81	2.96E-03	1.28E-07	2.39E-05	2.63E-05	3.01E-03	1.39E-03	5.29E-02	1.79E-03	9.63E-04	5.70E-02	1.33E-03	1.05E-07	2.39E-05	2.63E-05	1.38E-03
573	489457.08	3861215.81	3.08E-03	1.30E-07	1.97E-05	2.72E-05	3.12E-03	1.45E-03	5.36E-02	1.47E-03	9.97E-04	5.75E-02	1.38E-03	1.07E-07	1.97E-05	2.72E-05	1.43E-03
574	489407.08	3861265.81	2.83E-03	1.21E-07	2.23E-05	2.51E-05	2.88E-03	1.34E-03	4.98E-02	1.67E-03	9.20E-04	5.37E-02	1.27E-03	9.92E-08	2.23E-05	2.51E-05	1.32E-03
575	489457.08	3861265.81	2.93E-03	1.23E-07	2.14E-05	2.59E-05	2.98E-03	1.38E-03	5.08E-02	1.60E-03	9.49E-04	5.47E-02	1.32E-03	1.01E-07	2.14E-05	2.59E-05	1.36E-03
576	489309.86	3861110.14	3.00E-03	1.40E-07	2.21E-05	2.66E-05	3.05E-03	1.42E-03	5.76E-02	1.66E-03	9.77E-04	6.17E-02	1.35E-03	1.15E-07	2.21E-05	2.66E-05	1.40E-03
577	489407.08	3861315.81	2.84E-03	1.14E-07	2.08E-05	2.44E-05	2.88E-03	1.34E-03	4.72E-02	1.56E-03	8.95E-04	5.09E-02	1.27E-03	9.39E-08	2.08E-05	2.44E-05	1.32E-03
578	489457.08	3861315.81	2.80E-03	1.17E-07	2.32E-05	2.50E-05	2.85E-03	1.32E-03	4.83E-02	1.74E-03	9.18E-04	5.22E-02	1.26E-03	9.61E-08	2.32E-05	2.50E-05	1.31E-03
579	488906.03	3861006.75	3.37E-03	1.53E-07	2.22E-05	2.81E-05	3.42E-03	1.59E-03	6.29E-02	1.66E-03	1.03E-03	6.72E-02	1.51E-03	1.25E-07	2.22E-05	2.81E-05	1.56E-03
580	488956.03	3861006.75	3.13E-03	1.52E-07	2.36E-05	2.88E-05	3.18E-03	1.48E-03	6.28E-02	1.77E-03	1.06E-03	6.71E-02	1.40E-03	1.25E-07	2.36E-05	2.88E-05	1.46E-03
581	488904.24	3861051.87	3.31E-03	1.47E-07	2.45E-05	2.58E-05	3.36E-03	1.56E-03	6.07E-02	1.84E-03	9.46E-04	6.50E-02	1.48E-03	1.21E-07	2.45E-05	2.58E-05	1.53E-03
582	488954.24	3861051.87	3.21E-03	1.45E-07	2.23E-05	2.83E-05	3.26E-03	1.51E-03	5.98E-02	1.67E-03	1.04E-03	6.40E-02	1.44E-03	1.19E-07	2.23E-05	2.83E-05	1.49E-03
583	489004.24	3861051.87	3.14E-03	1.44E-07	2.29E-05	2.75E-05	3.20E-03	1.48E-03	5.95E-02	1.72E-03	1.01E-03	6.37E-02	1.41E-03	1.18E-07	2.29E-05	2.75E-05	1.46E-03
584	488804.24	3861101.87	2.89E-03	1.42E-07	1.82E-05	2.79E-05	2.93E-03	1.36E-03	5.83E-02	1.37E-03	1.02E-03	6.21E-02	1.30E-03	1.16E-07	1.82E-05	2.79E-05	1.34E-03
585	488854.24	3861101.87	3.02E-03	1.41E-07	1.96E-05	2.82E-05	3.07E-03	1.42E-03	5.83E-02	1.47E-03	1.03E-03	6.22E-02	1.35E-03	1.16E-07	1.96E-05	2.82E-05	1.40E-03
586	488904.24	3861101.87	3.13E-03	1.39E-07	2.22E-05	2.49E-05	3.17E-03	1.47E-03	5.74E-02	1.67E-03	9.12E-04	6.14E-02	1.40E-03	1.14E-07	2.22E-05	2.49E-05	1.45E-03
587	488954.24	3861101.87	3.24E-03	1.36E-07	2.08E-05	2.54E-05	3.29E-03	1.53E-03	5.60E-02	1.56E-03	9.32E-04	6.00E-02	1.45E-03	1.12E-07	2.08E-05	2.54E-05	1.50E-03
588	489004.24	3861101.87	3.04E-03	1.33E-07	2.36E-05	2.63E-05	3.09E-03	1.43E-03	5.50E-02	1.77E-03	9.65E-04	5.92E-02	1.36E-03	1.10E-07	2.36E-05	2.63E-05	1.41E-03
589	488804.24	3861151.87	2.80E-03	1.31E-07	1.80E-05	2.62E-05	2.85E-03	1.32E-03	5.39E-02	1.35E-03	9.60E-04	5.75E-02	1.26E-03	1.07E-07	1.80E-05	2.62E-05	1.30E-03
590	488854.24	3861151.87	2.82E-03	1.32E-07	1.81E-05	2.73E-05	2.87E-03	1.33E-03	5.42E-02	1.36E-03	1.00E-03	5.79E-02	1.27E-03	1.08E-07	1.81E-05	2.73E-05	1.31E-03
591	489129.49	3861187.55	3.09E-03	1.23E-07	2.01E-05	2.61E-05	3.14E-03	1.46E-03	5.05E-02	1.51E-03	9.57E-04	5.44E-02	1.39E-03	1.01E-07	2.01E-05	2.61E-05	1.43E-03
592	489179.49	3861187.55	2.98E-03	1.24E-07	2.22E-05	2.51E-05	3.02E-03	1.40E-03	5.10E-02	1.66E-03	9.19E-04	5.50E-02	1.34E-03	1.02E-07	2.22E-05	2.51E-05	1.38E-03
593	488804.24	3861201.87	2.77E-03	1.23E-07	1.78E-05	2.54E-05	2.81E-03	1.31E-03	5.06E-02	1.33E-03	9.32E-04	5.42E-02	1.24E-03	1.01E-07	1.78E-05	2.54E-05	1.29E-03
594	488854.24	3861201.87	2.76E-03	1.22E-07	1.78E-05	2.65E-05	2.81E-03	1.30E-03	5.05E-02	1.34E-03	9.73E-04	5.41E-02	1.24E-03	1.01E-07	1.78E-05	2.65E-05	1.28E-03
595	489129.49	3861237.55	2.94E-03	1.15E-07	1.90E-05	2.49E-05	2.99E-03	1.39E-03	4.75E-02	1.43E-03	9.13E-04	5.12E-02	1.32E-03	9.46E-08	1.90E-05	2.49E-05	1.36E-03
596	489179.49	3861237.55	3.06E-03	1.16E-07	2.10E-05	2.60E-05	3.11E-03	1.44E-03	4.80E-02	1.58E-03	9.54E-04	5.20E-02	1.37E-03	9.56E-08	2.10E-05	2.60E-05	1.42E-03
597	488804.24	3861251.87	2.74E-03	1.17E-07	1.78E-05	2.47E-05	2.78E-03	1.29E-03	4.81E-02	1.34E-03	9.07E-04	5.17E-02	1.23E-03	9.59E-08	1.78E-05	2.47E-05	1.27E-03
598	488854.24	3861251.87	2.72E-03	1.18E-07	1.76E-05	2.54E-05	2.77E-03	1.29E-03	4.85E-02	1.32E-03	9.31E-04	5.20E-02	1.22E-03	9.65E-08	1.76E-05	2.54E-05	1.27E-03
599	488804.24	3861301.87	2.69E-03	1.14E-07	1.83E-05	2.22E-05	2.73E-03	1.27E-03	4.68E-02	1.37E-03	8.15E-04	5.02E-02	1.21E-03	9.32E-08	1.83E-05	2.22E-05	1.25E-03
600	488854.24	3861301.87	2.69E-03	1.12E-07	1.75E-05	2.32E-05	2.73E-03	1.27E-03	4.60E-02	1.31E-03	8.52E-04	4.94E-02	1.21E-03	9.16E-08	1.75E-05	2.32E-05	1.25E-03
601	490943.5	3860181.97	3.28E-03	1.26E-07	6.98E-05	2.61E-05	3.38E-03	1.55E-03	5.18E-02	5.23E-03	9.57E-04	5.95E-02	1.47E-03	1.03E-07	6.98E-05	2.61E-05	1.57E-03
602	490993.5	3860181.97	3.17E-03	1.24E-07	6.93E-05	2.60E-05	3.27E-03	1.50E-03	5.11E-02	5.20E-03	9.53E-04	5.87E-02	1.42E-03	1.02E-07	6.93E-05	2.60E-05	1.52E-03
603	491043.5	3860181.97	3.05E-03	1.22E-07	7.29E-05	2.59E-05	3.15E-03	1.44E-03	5.04E-02	5.46E-03	9.50E-04	5.83E-02	1.37E-03	1.00E-07	7.29E-05	2.59E-05	1.47E-03
604	491093.5	3860181.97	3.00E-03	1.20E-07	7.57E-05	2.57E-05	3.10E-03	1.41E-03	4.93E-02	5.67E-03	9.44E-04	5.73E-02	1.34E-03	9.82E-08	7.57E-05	2.57E-05	1.45E-03
605	490943.5	3860231.97	3.23E-03	1.22E-07	7.03E-05	2.61E-05	3.33E-03	1.52E-03	5.03E-02	5.27E-03	9.56E-04	5.80E-02	1.45E-03	1.00E-07	7.03E-05	2.61E-05	1.55E-03
606	490993.5	3860231.97	3.25E-03	1.20E-07	6.95E-05	2.61E-05	3.35E-03	1.53E-03	4.96E-02	5.21E-03	9.57E-04	5.73E-02	1.46E-03	9.88E-08	6.95E-05	2.61E-05	1.56E-03

607	491043.5	3860231.97	3.15E-03	1.19E-07	6.77E-05	2.59E-05	3.24E-03	1.48E-03	4.88E-02	5.07E-03	9.50E-04	5.64E-02	1.41E-03	9.73E-08	6.77E-05	2.59E-05	1.50E-03
608	491093.5	3860231.97	3.06E-03	1.17E-07	6.98E-05	2.57E-05	3.15E-03	1.44E-03	4.81E-02	5.23E-03	9.43E-04	5.57E-02	1.37E-03	9.58E-08	6.98E-05	2.57E-05	1.47E-03
609	490943.5	3860281.97	3.31E-03	1.22E-07	7.70E-05	2.60E-05	3.41E-03	1.56E-03	5.03E-02	5.78E-03	9.53E-04	5.86E-02	1.48E-03	1.00E-07	7.70E-05	2.60E-05	1.59E-03
610	490993.5	3860281.97	3.23E-03	1.21E-07	7.13E-05	2.60E-05	3.33E-03	1.52E-03	4.97E-02	5.35E-03	9.53E-04	5.75E-02	1.45E-03	9.89E-08	7.13E-05	2.60E-05	1.55E-03
611	491043.5	3860281.97	3.17E-03	1.19E-07	6.78E-05	2.57E-05	3.27E-03	1.50E-03	4.89E-02	5.09E-03	9.41E-04	5.64E-02	1.42E-03	9.73E-08	6.78E-05	2.57E-05	1.52E-03
612	491093.5	3860281.97	3.12E-03	1.16E-07	6.72E-05	2.51E-05	3.21E-03	1.47E-03	4.79E-02	5.04E-03	9.22E-04	5.54E-02	1.40E-03	9.54E-08	6.72E-05	2.51E-05	1.49E-03
613	490943.5	3860331.97	3.31E-03	1.21E-07	7.29E-05	2.72E-05	3.41E-03	1.56E-03	4.99E-02	5.47E-03	9.96E-04	5.79E-02	1.48E-03	9.93E-08	7.29E-05	2.72E-05	1.58E-03
614	490993.5	3860331.97	3.26E-03	1.19E-07	7.49E-05	2.66E-05	3.36E-03	1.54E-03	4.89E-02	5.62E-03	9.75E-04	5.70E-02	1.46E-03	9.74E-08	7.49E-05	2.66E-05	1.56E-03
615	491043.5	3860331.97	3.15E-03	1.16E-07	7.18E-05	2.55E-05	3.25E-03	1.49E-03	4.79E-02	5.39E-03	9.36E-04	5.57E-02	1.41E-03	9.54E-08	7.18E-05	2.55E-05	1.51E-03
616	491093.5	3860331.97	3.04E-03	1.14E-07	6.62E-05	2.54E-05	3.13E-03	1.43E-03	4.69E-02	4.97E-03	9.30E-04	5.42E-02	1.36E-03	9.34E-08	6.62E-05	2.54E-05	1.46E-03
617	490086.72	3859935.12	4.36E-03	1.73E-07	7.73E-05	3.69E-05	4.48E-03	2.06E-03	7.15E-02	5.80E-03	1.35E-03	8.07E-02	1.96E-03	1.42E-07	7.73E-05	3.69E-05	2.07E-03
618	490136.72	3859935.12	4.15E-03	1.71E-07	8.22E-05	3.64E-05	4.27E-03	1.96E-03	7.04E-02	6.17E-03	1.33E-03	7.98E-02	1.86E-03	1.40E-07	8.22E-05	3.64E-05	1.98E-03
619	490186.72	3859935.12	3.93E-03	1.67E-07	9.15E-05	3.59E-05	4.06E-03	1.85E-03	6.86E-02	6.86E-03	1.32E-03	7.87E-02	1.76E-03	1.37E-07	9.15E-05	3.59E-05	1.89E-03
620	490236.72	3859935.12	3.83E-03	1.63E-07	9.96E-05	3.50E-05	3.96E-03	1.81E-03	6.70E-02	7.47E-03	1.28E-03	7.76E-02	1.72E-03	1.34E-07	9.96E-05	3.50E-05	1.85E-03
621	490286.72	3859935.12	4.04E-03	1.58E-07	1.04E-04	3.48E-05	4.18E-03	1.90E-03	6.52E-02	7.77E-03	1.28E-03	7.62E-02	1.81E-03	1.30E-07	1.04E-04	3.48E-05	1.95E-03
622	490336.72	3859935.12	4.22E-03	1.54E-07	9.64E-05	3.42E-05	4.35E-03	1.99E-03	6.34E-02	7.23E-03	1.25E-03	7.39E-02	1.89E-03	1.26E-07	9.64E-05	3.42E-05	2.03E-03
623	490386.72	3859935.12	4.15E-03	1.49E-07	8.83E-05	3.35E-05	4.27E-03	1.96E-03	6.16E-02	6.62E-03	1.23E-03	7.14E-02	1.86E-03	1.23E-07	8.83E-05	3.35E-05	1.98E-03
624	490436.72	3859935.12	3.99E-03	1.48E-07	8.20E-05	3.19E-05	4.10E-03	1.88E-03	6.10E-02	6.15E-03	1.17E-03	7.02E-02	1.79E-03	1.22E-07	8.20E-05	3.19E-05	1.90E-03
625	490486.72	3859935.12	3.83E-03	1.47E-07	8.05E-05	3.04E-05	3.94E-03	1.81E-03	6.05E-02	6.04E-03	1.12E-03	6.94E-02	1.72E-03	1.20E-07	8.05E-05	3.04E-05	1.83E-03
626	490536.72	3859935.12	3.79E-03	1.45E-07	7.89E-05	2.90E-05	3.90E-03	1.79E-03	5.98E-02	5.92E-03	1.06E-03	6.86E-02	1.70E-03	1.19E-07	7.89E-05	2.90E-05	1.81E-03
627	490586.72	3859935.12	3.66E-03	1.44E-07	7.71E-05	2.77E-05	3.76E-03	1.72E-03	5.92E-02	5.78E-03	1.02E-03	6.77E-02	1.64E-03	1.18E-07	7.71E-05	2.77E-05	1.74E-03
628	490636.72	3859935.12	3.63E-03	1.42E-07	7.85E-05	2.76E-05	3.74E-03	1.71E-03	5.86E-02	5.89E-03	1.01E-03	6.72E-02	1.63E-03	1.17E-07	7.85E-05	2.76E-05	1.73E-03
629	490686.72	3859935.12	3.52E-03	1.39E-07	8.51E-05	2.78E-05	3.63E-03	1.66E-03	5.74E-02	6.38E-03	1.02E-03	6.65E-02	1.58E-03	1.14E-07	8.51E-05	2.78E-05	1.69E-03
630	490736.72	3859935.12	3.38E-03	1.37E-07	8.31E-05	2.79E-05	3.49E-03	1.59E-03	5.66E-02	6.24E-03	1.02E-03	6.55E-02	1.52E-03	1.13E-07	8.31E-05	2.79E-05	1.63E-03
631	490086.72	3859985.12	4.51E-03	1.70E-07	8.30E-05	4.15E-05	4.64E-03	2.13E-03	7.00E-02	6.22E-03	1.52E-03	7.99E-02	2.02E-03	1.40E-07	8.30E-05	4.15E-05	2.15E-03
632	490136.72	3859985.12	4.29E-03	1.67E-07	7.79E-05	3.99E-05	4.41E-03	2.02E-03	6.89E-02	5.84E-03	1.46E-03	7.83E-02	1.93E-03	1.37E-07	7.79E-05	3.99E-05	2.04E-03
633	490186.72	3859985.12	4.12E-03	1.65E-07	8.07E-05	3.86E-05	4.24E-03	1.95E-03	6.79E-02	6.06E-03	1.42E-03	7.73E-02	1.85E-03	1.35E-07	8.07E-05	3.86E-05	1.97E-03
634	490236.72	3859985.12	3.88E-03	1.62E-07	9.02E-05	3.76E-05	4.01E-03	1.83E-03	6.66E-02	6.77E-03	1.38E-03	7.66E-02	1.74E-03	1.33E-07	9.02E-05	3.76E-05	1.87E-03
635	490286.72	3859985.12	3.71E-03	1.59E-07	9.80E-05	3.67E-05	3.85E-03	1.75E-03	6.54E-02	7.35E-03	1.35E-03	7.58E-02	1.66E-03	1.30E-07	9.80E-05	3.67E-05	1.80E-03
636	490336.72	3859985.12	3.92E-03	1.55E-07	1.04E-04	3.60E-05	4.06E-03	1.85E-03	6.37E-02	7.82E-03	1.32E-03	7.47E-02	1.76E-03	1.27E-07	1.04E-04	3.60E-05	1.90E-03
637	490386.72	3859985.12	4.10E-03	1.51E-07	9.75E-05	3.55E-05	4.23E-03	1.93E-03	6.20E-02	7.31E-03	1.30E-03	7.26E-02	1.84E-03	1.24E-07	9.75E-05	3.55E-05	1.97E-03
638	490436.72	3859985.12	4.07E-03	1.49E-07	8.94E-05	3.50E-05	4.20E-03	1.92E-03	6.15E-02	6.71E-03	1.28E-03	7.14E-02	1.83E-03	1.22E-07	8.94E-05	3.50E-05	1.95E-03
639	490486.72	3859985.12	3.98E-03	1.48E-07	8.10E-05	3.32E-05	4.09E-03	1.88E-03	6.09E-02	6.08E-03	1.22E-03	7.01E-02	1.78E-03	1.21E-07	8.10E-05	3.32E-05	1.90E-03
640	490536.72	3859985.12	3.77E-03	1.47E-07	7.98E-05	3.27E-05	3.88E-03	1.78E-03	6.04E-02	5.99E-03	1.20E-03	6.93E-02	1.69E-03	1.20E-07	7.98E-05	3.27E-05	1.80E-03
641	490586.72	3859985.12	3.74E-03	1.44E-07	7.87E-05	3.24E-05	3.85E-03	1.76E-03	5.95E-02	5.90E-03	1.19E-03	6.84E-02	1.68E-03	1.19E-07	7.87E-05	3.24E-05	1.79E-03
642	490636.72	3859985.12	3.62E-03	1.42E-07	7.65E-05	3.15E-05	3.72E-03	1.71E-03	5.86E-02	5.74E-03	1.16E-03	6.72E-02	1.62E-03	1.17E-07	7.65E-05	3.15E-05	1.73E-03
643	490686.72	3859985.12	3.61E-03	1.39E-07	7.60E-05	3.04E-05	3.71E-03	1.70E-03	5.72E-02	5.70E-03	1.11E-03	6.57E-02	1.62E-03	1.14E-07	7.60E-05	3.04E-05	1.72E-03
644	490736.72	3859985.12	3.49E-03	1.37E-07	8.12E-05	2.91E-05	3.60E-03	1.65E-03	5.64E-02	6.09E-03	1.07E-03	6.52E-02	1.57E-03	1.12E-07	8.12E-05	2.91E-05	1.68E-03
645	490786.72	3859985.12	3.39E-03	1.35E-07	8.39E-05	2.78E-05	3.50E-03	1.60E-03	5.57E-02	6.29E-03	1.02E-03	6.46E-02	1.52E-03	1.11E-07	8.39E-05	2.78E-05	1.63E-03
646	490086.72	3860035.12	4.55E-03	1.71E-07	8.78E-05	4.18E-05	4.68E-03	2.15E-03	7.02E-02	6.58E-03	1.53E-03	8.05E-02	2.04E-03	1.40E-07	8.78E-05	4.18E-05	2.17E-03
647	490136.72	3860035.12	4.44E-03	1.68E-07	8.34E-05	4.16E-05	4.57E-03	2.09E-03	6.91E-02	6.25E-03	1.53E-03	7.89E-02	1.99E-03	1.38E-07	8.34E-05	4.16E-05	2.12E-03
648	490186.72	3860035.12	4.23E-03	1.65E-07	7.83E-05	4.12E-05	4.35E-03	1.99E-03	6.79E-02	5.88E-03	1.51E-03	7.72E-02	1.90E-03	1.35E-07	7.83E-05	4.12E-05	2.02E-03
649	490236.72	3860035.12	4.09E-03	1.60E-07	7.91E-05	4.07E-05	4.21E-03	1.93E-03	6.60E-02	5.94E-03	1.49E-03	7.54E-02	1.84E-03	1.31E-07	7.91E-05	4.07E-05	1.96E-03
650	490286.72	3860035.12	3.82E-03	1.58E-07	8.78E-05	4.00E-05	3.95E-03	1.80E-03	6.53E-02	6.58E-03	1.47E-03	7.51E-02	1.71E-03	1.30E-07	8.78E-05	4.00E-05	1.84E-03
651	490336.72	3860035.12	3.61E-03	1.55E-07	9.59E-05	3.93E-05	3.75E-03	1.70E-03	6.38E-02	7.19E-03	1.44E-03	7.41E-02	1.62E-03	1.27E-07	9.59E-05	3.93E-05	1.75E-03
652	490386.72	3860035.12	3.79E-03	1.53E-07	1.02E-04	3.84E-05	3.93E-03	1.79E-03	6.29E-02	7.63E-03	1.41E-03	7.37E-02	1.70E-03	1.25E-07	1.02E-04	3.84E-05	1.84E-03
653	490436.72	3860035.12	3.98E-03	1.51E-07	9.82E-05	3.75E-05	4.11E-03	1.87E-03	6.21E-02	7.37E-03	1.38E-03	7.27E-02	1.78E-03	1.24E-07	9.82E-05	3.75E-05	1.92E-03
654	490486.72	3860035.12	4.00E-03	1.49E-07	9.06E-05	3.66E-05	4.13E-03	1.89E-03	6.12E-02	6.80E-03	1.34E-03	7.12E-02	1.79E-03	1.22E-07	9.06E-05	3.66E-05	1.92E-03
655	490536.72	3860035.12	3.92E-03	1.46E-07	8.27E-05	3.55E-05	4.03E-03	1.85E-03	6.03E-02	6.20E-03	1.30E-03	6.96E-02	1.76E-03	1.20E-07	8.27E-05	3.55E-05	1.87E-03
656	490586.72	3860035.12	3.70E-03	1.44E-07	7.91E-05	3.45E-05	3.81E-03	1.75E-03	5.93E-02	5.93E-03	1.26E-03	6.83E-02	1.66E-03	1.18E-07	7.91E-05	3.45E-05	1.77E-03
657	490636.72	3860035.12	3.67E-03	1.42E-07	7.98E-05	3.29E-05	3.78E-03	1.73E-03	5.84E-02	5.98E-03	1.21E-03	6.73E-02	1.65E-03	1.16E-07	7.98E-05	3.29E-05	1.76E-03
658	490686.72	3860035.12	3.56E-03	1.39E-07	7.50E-05	3.19E-05	3.67E-03	1.68E-03	5.74E-02	5.62E-03	1.17E-03	6.58E-02	1.60E-03	1.14E-07	7.50E-05	3.19E-05	1.70E-03
659	490736.72	3860035.12	3.56E-03	1.37E-07	7.42E-05	3.13E-05	3.66E-03	1.68E-03	5.63E-02	5.56E-03	1.15E-03	6.46E-02	1.59E-03	1.12E-07	7.42E-05	3.13E-05	1.70E-03
660	490786.72	3860035.12	3.45E-03	1.35E-07	7.68E-05	3.02E-05	3.56E-03	1.63E-03	5.54E-02	5.76E-03	1.11E-03	6.39E-02	1.55E-03	1.10E-07	7.68E-05	3.02E-05	1.65E-03
661	490836.72	3860035.12	3.38E-03	1.32E-07	8.12E-05	2.91E-05	3.49E-03	1.59E-03	5.43E-02	6.09E-03	1.07E-03	6.30E-02	1.52E-03	1.08E-07	8.12E-05	2.91E-05	1.63E-03
662	490086.72	3860085.12	4.49E-03	1.70E-07	8.92E-05	3.86E-05	4.62E-03	2.12E-03	7.00E-02	6.69E-03	1.42E-03	8.02E-02	2.01E-03	1.39E-07	8.92E-05	3.86E-05	2.14E-03
663	490136.72	3860085.12	4.47E-03	1.67E-07	8.80E-05	3.74E-05	4.60E-03	2.11E-03	6.87E-02	6.60E-03	1.37E-03	7.87E-02	2.00E-03	1.37E-07	8.80E-05	3.74E-05	2.13E-03
664	490186.72	3860085.12	4.36E-03	1.63E-07	8.38E-05	3.69E-05	4.48E-03	2.06E-03	6.72E-02	6.29E-03	1.35E-03	7.69E-02	1.95E-03	1.34E-07	8.38E-05	3.69E-05	2.08E-03
665	490236.72	3860085.12	4.16E-03	1.61E-07	7.88E-05	3.64E-05	4.28E-03	1.96E-03	6.62E-02	5.91E-03	1.33E-03	7.54E-02	1.87E-03	1.32E-07	7.88E-05	3.64E-05	1.98E-03
666	490286.72	3860085.12	4.01E-03	1.58E-07	7.77E-05	3.59E-05	4.12E-03	1.89E-03	6.51E-02	5.82E-03	1.32E-03	7.41E-02	1.80E-03	1.30E-07	7.77E-05	3.59E-05	1.91E-03
667	490336.72	3860085.12	3.77E-03	1.55E-07	8.59E-05	3.54E-05	3.89E-03	1.78E-03	6.40E-02	6.44E-03	1.30E-03	7.35E-02	1.69E-03	1.27E-07	8.59E-05	3.54E-05	1.81E-03

668	490386.72	3860085.12	3.56E-03	1.53E-07	9.32E-05	3.49E-05	3.69E-03	1.68E-03	6.31E-02	6.99E-03	1.28E-03	7.30E-02	1.60E-03	1.26E-07	9.32E-05	3.49E-05	1.72E-03
669	490436.72	3860085.12	3.67E-03	1.51E-07	9.94E-05	3.44E-05	3.81E-03	1.73E-03	6.22E-02	7.45E-03	1.26E-03	7.27E-02	1.65E-03	1.24E-07	9.94E-05	3.44E-05	1.78E-03
670	490486.72	3860085.12	3.85E-03	1.49E-07	9.88E-05	3.39E-05	3.99E-03	1.82E-03	6.15E-02	7.41E-03	1.24E-03	7.20E-02	1.73E-03	1.22E-07	9.88E-05	3.39E-05	1.86E-03
671	490536.72	3860085.12	3.93E-03	1.48E-07	9.18E-05	3.36E-05	4.06E-03	1.85E-03	6.08E-02	6.88E-03	1.23E-03	7.08E-02	1.76E-03	1.21E-07	9.18E-05	3.36E-05	1.89E-03
672	490586.72	3860085.12	3.85E-03	1.46E-07	8.40E-05	3.32E-05	3.97E-03	1.82E-03	6.02E-02	6.30E-03	1.22E-03	6.95E-02	1.73E-03	1.20E-07	8.40E-05	3.32E-05	1.84E-03
673	490636.72	3860085.12	3.63E-03	1.44E-07	7.82E-05	3.27E-05	3.74E-03	1.71E-03	5.94E-02	5.86E-03	1.20E-03	6.82E-02	1.63E-03	1.18E-07	7.82E-05	3.27E-05	1.74E-03
674	490686.72	3860085.12	3.61E-03	1.42E-07	7.89E-05	3.23E-05	3.72E-03	1.70E-03	5.84E-02	5.92E-03	1.19E-03	6.72E-02	1.62E-03	1.16E-07	7.89E-05	3.23E-05	1.73E-03
675	490736.72	3860085.12	3.53E-03	1.39E-07	7.52E-05	3.17E-05	3.64E-03	1.67E-03	5.74E-02	5.64E-03	1.16E-03	6.58E-02	1.58E-03	1.14E-07	7.52E-05	3.17E-05	1.69E-03
676	490786.72	3860085.12	3.45E-03	1.35E-07	7.35E-05	3.05E-05	3.56E-03	1.63E-03	5.56E-02	5.51E-03	1.12E-03	6.38E-02	1.55E-03	1.11E-07	7.35E-05	3.05E-05	1.65E-03
677	490836.72	3860085.12	3.40E-03	1.33E-07	7.25E-05	2.93E-05	3.50E-03	1.60E-03	5.49E-02	5.44E-03	1.08E-03	6.30E-02	1.53E-03	1.09E-07	7.25E-05	2.93E-05	1.63E-03
678	490086.72	3860135.12	4.06E-03	1.71E-07	7.86E-05	3.81E-05	4.18E-03	1.91E-03	7.06E-02	5.90E-03	1.40E-03	7.98E-02	1.82E-03	1.41E-07	7.86E-05	3.81E-05	1.94E-03
679	490136.72	3860135.12	4.36E-03	1.66E-07	8.63E-05	3.81E-05	4.48E-03	2.06E-03	6.86E-02	6.47E-03	1.40E-03	7.85E-02	1.95E-03	1.37E-07	8.63E-05	3.81E-05	2.08E-03
680	490186.72	3860135.12	4.39E-03	1.64E-07	8.83E-05	3.73E-05	4.52E-03	2.07E-03	6.77E-02	6.62E-03	1.37E-03	7.77E-02	1.97E-03	1.35E-07	8.83E-05	3.73E-05	2.10E-03
681	490236.72	3860135.12	4.26E-03	1.62E-07	8.39E-05	3.66E-05	4.38E-03	2.01E-03	6.68E-02	6.29E-03	1.34E-03	7.64E-02	1.91E-03	1.33E-07	8.39E-05	3.66E-05	2.03E-03
682	490286.72	3860135.12	4.10E-03	1.60E-07	7.89E-05	3.61E-05	4.21E-03	1.93E-03	6.58E-02	5.92E-03	1.32E-03	7.49E-02	1.84E-03	1.31E-07	7.89E-05	3.61E-05	1.95E-03
683	490336.72	3860135.12	3.91E-03	1.57E-07	7.58E-05	3.55E-05	4.02E-03	1.85E-03	6.47E-02	5.69E-03	1.30E-03	7.35E-02	1.75E-03	1.29E-07	7.58E-05	3.55E-05	1.87E-03
684	490386.72	3860135.12	3.72E-03	1.54E-07	8.39E-05	3.38E-05	3.83E-03	1.75E-03	6.36E-02	6.29E-03	1.24E-03	7.29E-02	1.67E-03	1.27E-07	8.39E-05	3.38E-05	1.78E-03
685	490436.72	3860135.12	3.51E-03	1.51E-07	9.09E-05	3.22E-05	3.63E-03	1.66E-03	6.24E-02	6.82E-03	1.18E-03	7.20E-02	1.57E-03	1.24E-07	9.09E-05	3.22E-05	1.70E-03
686	490486.72	3860135.12	3.56E-03	1.49E-07	9.70E-05	3.10E-05	3.69E-03	1.68E-03	6.12E-02	7.28E-03	1.14E-03	7.13E-02	1.60E-03	1.22E-07	9.70E-05	3.10E-05	1.72E-03
687	490536.72	3860135.12	3.74E-03	1.45E-07	9.97E-05	3.09E-05	3.87E-03	1.77E-03	5.99E-02	7.48E-03	1.13E-03	7.03E-02	1.68E-03	1.19E-07	9.97E-05	3.09E-05	1.81E-03
688	490586.72	3860135.12	3.86E-03	1.43E-07	9.28E-05	3.06E-05	3.98E-03	1.82E-03	5.90E-02	6.96E-03	1.12E-03	6.89E-02	1.73E-03	1.17E-07	9.28E-05	3.06E-05	1.86E-03
689	490636.72	3860135.12	3.79E-03	1.41E-07	8.50E-05	3.01E-05	3.90E-03	1.79E-03	5.83E-02	6.38E-03	1.10E-03	6.76E-02	1.70E-03	1.16E-07	8.50E-05	3.01E-05	1.81E-03
690	490686.72	3860135.12	3.58E-03	1.40E-07	7.73E-05	2.96E-05	3.68E-03	1.69E-03	5.76E-02	5.80E-03	1.08E-03	6.62E-02	1.60E-03	1.15E-07	7.73E-05	2.96E-05	1.71E-03
691	490736.72	3860135.12	3.55E-03	1.38E-07	7.61E-05	2.91E-05	3.65E-03	1.67E-03	5.69E-02	5.71E-03	1.07E-03	6.54E-02	1.59E-03	1.13E-07	7.61E-05	2.91E-05	1.70E-03
692	490786.72	3860135.12	3.48E-03	1.36E-07	7.61E-05	2.89E-05	3.58E-03	1.64E-03	5.60E-02	5.71E-03	1.06E-03	6.44E-02	1.56E-03	1.11E-07	7.61E-05	2.89E-05	1.66E-03
693	490836.72	3860135.12	3.34E-03	1.34E-07	7.17E-05	2.82E-05	3.44E-03	1.58E-03	5.53E-02	5.38E-03	1.03E-03	6.33E-02	1.50E-03	1.10E-07	7.17E-05	2.82E-05	1.60E-03
694	490086.72	3860185.12	3.94E-03	1.72E-07	7.08E-05	3.39E-05	4.05E-03	1.86E-03	7.08E-02	5.31E-03	1.24E-03	7.93E-02	1.77E-03	1.41E-07	7.08E-05	3.39E-05	1.87E-03
695	490136.72	3860185.12	3.97E-03	1.67E-07	7.72E-05	3.47E-05	4.08E-03	1.87E-03	6.89E-02	5.79E-03	1.27E-03	7.78E-02	1.78E-03	1.37E-07	7.72E-05	3.47E-05	1.89E-03
696	490186.72	3860185.12	4.26E-03	1.65E-07	8.54E-05	3.48E-05	4.38E-03	2.01E-03	6.80E-02	6.40E-03	1.28E-03	7.77E-02	1.91E-03	1.35E-07	8.54E-05	3.48E-05	2.03E-03
697	490236.72	3860185.12	4.31E-03	1.63E-07	8.83E-05	3.39E-05	4.43E-03	2.03E-03	6.72E-02	6.62E-03	1.24E-03	7.71E-02	1.93E-03	1.34E-07	8.83E-05	3.39E-05	2.06E-03
698	490286.72	3860185.12	4.18E-03	1.61E-07	8.39E-05	3.27E-05	4.30E-03	1.97E-03	6.63E-02	6.29E-03	1.20E-03	7.58E-02	1.88E-03	1.32E-07	8.39E-05	3.27E-05	1.99E-03
699	490336.72	3860185.12	4.03E-03	1.57E-07	7.90E-05	3.33E-05	4.14E-03	1.90E-03	6.48E-02	5.92E-03	1.22E-03	7.38E-02	1.81E-03	1.29E-07	7.90E-05	3.33E-05	1.92E-03
700	490386.72	3860185.12	3.85E-03	1.55E-07	7.39E-05	3.38E-05	3.96E-03	1.82E-03	6.37E-02	5.54E-03	1.24E-03	7.23E-02	1.73E-03	1.27E-07	7.39E-05	3.38E-05	1.83E-03
701	490436.72	3860185.12	3.66E-03	1.52E-07	8.18E-05	3.42E-05	3.78E-03	1.73E-03	6.24E-02	6.13E-03	1.25E-03	7.15E-02	1.64E-03	1.24E-07	8.18E-05	3.42E-05	1.76E-03
702	490486.72	3860185.12	3.46E-03	1.48E-07	8.88E-05	3.43E-05	3.59E-03	1.63E-03	6.10E-02	6.66E-03	1.26E-03	7.05E-02	1.55E-03	1.21E-07	8.88E-05	3.43E-05	1.68E-03
703	490536.72	3860185.12	3.45E-03	1.45E-07	9.51E-05	3.26E-05	3.58E-03	1.63E-03	5.96E-02	7.13E-03	1.20E-03	6.96E-02	1.55E-03	1.19E-07	9.51E-05	3.26E-05	1.68E-03
704	490586.72	3860185.12	3.63E-03	1.43E-07	1.00E-04	3.11E-05	3.77E-03	1.71E-03	5.89E-02	7.53E-03	1.14E-03	6.93E-02	1.63E-03	1.17E-07	1.00E-04	3.11E-05	1.76E-03
705	490636.72	3860185.12	3.79E-03	1.41E-07	9.35E-05	2.95E-05	3.91E-03	1.79E-03	5.80E-02	7.01E-03	1.08E-03	6.79E-02	1.70E-03	1.15E-07	9.35E-05	2.95E-05	1.82E-03
706	490686.72	3860185.12	3.72E-03	1.39E-07	8.62E-05	2.81E-05	3.84E-03	1.76E-03	5.72E-02	6.46E-03	1.03E-03	6.64E-02	1.67E-03	1.14E-07	8.62E-05	2.81E-05	1.78E-03
707	490736.72	3860185.12	3.58E-03	1.36E-07	7.80E-05	2.69E-05	3.68E-03	1.69E-03	5.60E-02	5.85E-03	9.88E-04	6.45E-02	1.61E-03	1.11E-07	7.80E-05	2.69E-05	1.71E-03
708	490786.72	3860185.12	3.49E-03	1.31E-07	7.53E-05	2.65E-05	3.59E-03	1.64E-03	5.38E-02	5.65E-03	9.73E-04	6.21E-02	1.56E-03	1.07E-07	7.53E-05	2.65E-05	1.67E-03
709	490836.72	3860185.12	3.42E-03	1.29E-07	7.68E-05	2.64E-05	3.53E-03	1.61E-03	5.31E-02	5.76E-03	9.69E-04	6.15E-02	1.53E-03	1.06E-07	7.68E-05	2.64E-05	1.64E-03
710	490086.72	3860235.12	3.81E-03	1.75E-07	6.41E-05	3.75E-05	3.92E-03	1.80E-03	7.22E-02	4.81E-03	1.38E-03	8.02E-02	1.71E-03	1.44E-07	6.41E-05	3.75E-05	1.81E-03
711	490136.72	3860235.12	3.87E-03	1.70E-07	7.17E-05	3.63E-05	3.98E-03	1.83E-03	7.01E-02	5.38E-03	1.33E-03	7.86E-02	1.74E-03	1.40E-07	7.17E-05	3.63E-05	1.85E-03
712	490186.72	3860235.12	3.90E-03	1.65E-07	7.58E-05	3.31E-05	4.01E-03	1.84E-03	6.80E-02	5.68E-03	1.21E-03	7.68E-02	1.75E-03	1.35E-07	7.58E-05	3.31E-05	1.86E-03
713	490236.72	3860235.12	4.16E-03	1.62E-07	8.41E-05	3.23E-05	4.27E-03	1.96E-03	6.67E-02	6.30E-03	1.18E-03	7.62E-02	1.86E-03	1.33E-07	8.41E-05	3.23E-05	1.98E-03
714	490286.72	3860235.12	4.23E-03	1.60E-07	8.79E-05	3.19E-05	4.35E-03	2.00E-03	6.58E-02	6.59E-03	1.17E-03	7.55E-02	1.90E-03	1.31E-07	8.79E-05	3.19E-05	2.02E-03
715	490336.72	3860235.12	4.11E-03	1.57E-07	8.39E-05	3.22E-05	4.23E-03	1.94E-03	6.48E-02	6.29E-03	1.18E-03	7.42E-02	1.84E-03	1.29E-07	8.39E-05	3.22E-05	1.96E-03
716	490386.72	3860235.12	3.96E-03	1.55E-07	7.90E-05	3.21E-05	4.07E-03	1.87E-03	6.38E-02	5.93E-03	1.18E-03	7.28E-02	1.78E-03	1.27E-07	7.90E-05	3.21E-05	1.89E-03
717	490436.72	3860235.12	3.79E-03	1.51E-07	7.38E-05	3.06E-05	3.90E-03	1.79E-03	6.22E-02	5.54E-03	1.12E-03	7.07E-02	1.70E-03	1.24E-07	7.38E-05	3.06E-05	1.81E-03
718	490486.72	3860235.12	3.61E-03	1.47E-07	7.99E-05	3.01E-05	3.72E-03	1.70E-03	6.07E-02	6.00E-03	1.10E-03	6.95E-02	1.62E-03	1.21E-07	7.99E-05	3.01E-05	1.73E-03
719	490536.72	3860235.12	3.42E-03	1.45E-07	8.70E-05	2.96E-05	3.54E-03	1.61E-03	5.97E-02	6.53E-03	1.09E-03	6.89E-02	1.53E-03	1.19E-07	8.70E-05	2.96E-05	1.65E-03
720	490586.72	3860235.12	3.35E-03	1.42E-07	9.33E-05	2.92E-05	3.48E-03	1.58E-03	5.86E-02	6.99E-03	1.07E-03	6.82E-02	1.50E-03	1.17E-07	9.33E-05	2.92E-05	1.63E-03
721	490636.72	3860235.12	3.53E-03	1.39E-07	9.83E-05	2.87E-05	3.65E-03	1.66E-03	5.74E-02	7.37E-03	1.05E-03	6.74E-02	1.58E-03	1.14E-07	9.83E-05	2.87E-05	1.71E-03
722	490686.72	3860235.12	3.69E-03	1.36E-07	9.44E-05	2.85E-05	3.81E-03	1.74E-03	5.61E-02	7.08E-03	1.04E-03	6.60E-02	1.65E-03	1.12E-07	9.44E-05	2.85E-05	1.78E-03
723	490736.72	3860235.12	3.66E-03	1.33E-07	8.71E-05	2.85E-05	3.78E-03	1.73E-03	5.50E-02	6.53E-03	1.04E-03	6.43E-02	1.64E-03	1.09E-07	8.71E-05	2.85E-05	1.76E-03
724	490786.72	3860235.12	3.58E-03	1.30E-07	7.92E-05	2.80E-05	3.68E-03	1.69E-03	5.36E-02	5.94E-03	1.03E-03	6.23E-02	1.60E-03	1.07E-07	7.92E-05	2.80E-05	1.71E-03
725	490086.72	3860285.12	3.84E-03	1.77E-07	6.77E-05	3.95E-05	3.95E-03	1.81E-03	7.28E-02	5.08E-03	1.45E-03	8.11E-02	1.72E-03	1.45E-07	6.77E-05	3.95E-05	1.83E-03
726	490136.72	3860285.12	3.75E-03	1.71E-07	6.38E-05	3.80E-05	3.85E-03	1.77E-03	7.04E-02	4.78E-03	1.39E-03	7.84E-02	1.68E-03	1.40E-07	6.38E-05	3.80E-05	1.78E-03
727	490186.72	3860285.12	3.80E-03	1.65E-07	7.22E-05	3.62E-05	3.91E-03	1.79E-03	6.81E-02	5.41E-03	1.33E-03	7.67E-02	1.71E-03	1.36E-07	7.22E-05	3.62E-05	1.81E-03
728	490236.72	3860285.12	3.83E-03	1.60E-07	7.44E-05	3.41E-05	3.94E-03	1.81E-03	6.59E-02	5.58E-03	1.25E-03	7.46E-02	1.72E-03	1.31E-07	7.44E-05	3.41E-05	1.83E-03

729	490286.72	3860285.12	4.06E-03	1.55E-07	8.27E-05	3.30E-05	4.17E-03	1.91E-03	6.40E-02	6.21E-03	1.21E-03	7.33E-02	1.82E-03	1.27E-07	8.27E-05	3.30E-05	1.94E-03
730	490336.72	3860285.12	4.16E-03	1.53E-07	8.61E-05	3.23E-05	4.28E-03	1.96E-03	6.29E-02	6.46E-03	1.18E-03	7.25E-02	1.86E-03	1.25E-07	8.61E-05	3.23E-05	1.98E-03
731	490386.72	3860285.12	4.04E-03	1.51E-07	8.38E-05	3.19E-05	4.16E-03	1.91E-03	6.23E-02	6.28E-03	1.17E-03	7.16E-02	1.81E-03	1.24E-07	8.38E-05	3.19E-05	1.93E-03
732	490436.72	3860285.12	3.91E-03	1.50E-07	7.90E-05	3.14E-05	4.02E-03	1.84E-03	6.16E-02	5.92E-03	1.15E-03	7.05E-02	1.75E-03	1.23E-07	7.90E-05	3.14E-05	1.86E-03
733	490486.72	3860285.12	3.74E-03	1.46E-07	7.38E-05	3.03E-05	3.84E-03	1.76E-03	6.01E-02	5.54E-03	1.11E-03	6.85E-02	1.68E-03	1.20E-07	7.38E-05	3.03E-05	1.78E-03
734	490536.72	3860285.12	3.59E-03	1.42E-07	7.82E-05	2.88E-05	3.69E-03	1.69E-03	5.87E-02	5.86E-03	1.06E-03	6.73E-02	1.61E-03	1.17E-07	7.82E-05	2.88E-05	1.72E-03
735	490586.72	3860285.12	3.38E-03	1.40E-07	8.50E-05	2.91E-05	3.49E-03	1.59E-03	5.76E-02	6.38E-03	1.07E-03	6.67E-02	1.51E-03	1.15E-07	8.50E-05	2.91E-05	1.63E-03
736	490636.72	3860285.12	3.28E-03	1.37E-07	9.11E-05	2.94E-05	3.41E-03	1.55E-03	5.66E-02	6.83E-03	1.08E-03	6.61E-02	1.47E-03	1.13E-07	9.11E-05	2.94E-05	1.59E-03
737	490686.72	3860285.12	3.42E-03	1.35E-07	9.63E-05	2.91E-05	3.55E-03	1.61E-03	5.56E-02	7.22E-03	1.07E-03	6.55E-02	1.54E-03	1.11E-07	9.63E-05	2.91E-05	1.66E-03
738	490736.72	3860285.12	3.58E-03	1.32E-07	9.50E-05	2.86E-05	3.71E-03	1.69E-03	5.45E-02	7.12E-03	1.05E-03	6.44E-02	1.61E-03	1.09E-07	9.50E-05	2.86E-05	1.73E-03
739	490786.72	3860285.12	3.60E-03	1.30E-07	8.80E-05	2.81E-05	3.72E-03	1.70E-03	5.34E-02	6.60E-03	1.03E-03	6.28E-02	1.61E-03	1.06E-07	8.80E-05	2.81E-05	1.73E-03
740	490086.72	3860335.12	3.92E-03	1.75E-07	7.06E-05	3.65E-05	4.03E-03	1.85E-03	7.23E-02	5.29E-03	1.34E-03	8.07E-02	1.76E-03	1.44E-07	7.06E-05	3.65E-05	1.87E-03
741	490136.72	3860335.12	3.78E-03	1.69E-07	6.74E-05	3.68E-05	3.89E-03	1.78E-03	6.95E-02	5.06E-03	1.35E-03	7.77E-02	1.70E-03	1.38E-07	6.74E-05	3.68E-05	1.80E-03
742	490186.72	3860335.12	3.68E-03	1.62E-07	6.34E-05	3.66E-05	3.78E-03	1.73E-03	6.68E-02	4.76E-03	1.34E-03	7.46E-02	1.65E-03	1.33E-07	6.34E-05	3.66E-05	1.75E-03
743	490236.72	3860335.12	3.74E-03	1.58E-07	7.28E-05	3.59E-05	3.84E-03	1.76E-03	6.49E-02	5.46E-03	1.32E-03	7.35E-02	1.68E-03	1.29E-07	7.28E-05	3.59E-05	1.78E-03
744	490286.72	3860335.12	3.76E-03	1.55E-07	7.30E-05	3.47E-05	3.86E-03	1.77E-03	6.40E-02	5.48E-03	1.27E-03	7.25E-02	1.68E-03	1.27E-07	7.30E-05	3.47E-05	1.79E-03
745	490336.72	3860335.12	3.96E-03	1.53E-07	8.15E-05	3.32E-05	4.08E-03	1.87E-03	6.31E-02	6.11E-03	1.22E-03	7.23E-02	1.78E-03	1.26E-07	8.15E-05	3.32E-05	1.89E-03
746	490386.72	3860335.12	4.09E-03	1.51E-07	8.44E-05	3.27E-05	4.20E-03	1.93E-03	6.22E-02	6.33E-03	1.20E-03	7.16E-02	1.83E-03	1.24E-07	8.44E-05	3.27E-05	1.95E-03
747	490436.72	3860335.12	3.97E-03	1.48E-07	8.35E-05	3.18E-05	4.09E-03	1.87E-03	6.09E-02	6.26E-03	1.17E-03	7.02E-02	1.78E-03	1.21E-07	8.35E-05	3.18E-05	1.90E-03
748	490486.72	3860335.12	3.85E-03	1.44E-07	7.88E-05	2.95E-05	3.96E-03	1.82E-03	5.93E-02	5.91E-03	1.08E-03	6.82E-02	1.73E-03	1.18E-07	7.88E-05	2.95E-05	1.84E-03
749	490536.72	3860335.12	3.68E-03	1.42E-07	7.38E-05	2.90E-05	3.78E-03	1.74E-03	5.87E-02	5.53E-03	1.06E-03	6.70E-02	1.65E-03	1.17E-07	7.38E-05	2.90E-05	1.75E-03
750	490586.72	3860335.12	3.56E-03	1.41E-07	7.65E-05	2.86E-05	3.67E-03	1.68E-03	5.80E-02	5.74E-03	1.05E-03	6.64E-02	1.60E-03	1.15E-07	7.65E-05	2.86E-05	1.70E-03
751	490636.72	3860335.12	3.33E-03	1.34E-07	8.33E-05	2.80E-05	3.45E-03	1.57E-03	5.54E-02	6.24E-03	1.03E-03	6.42E-02	1.50E-03	1.10E-07	8.33E-05	2.80E-05	1.61E-03
752	490686.72	3860335.12	3.22E-03	1.31E-07	8.93E-05	2.77E-05	3.34E-03	1.52E-03	5.40E-02	6.69E-03	1.01E-03	6.32E-02	1.44E-03	1.08E-07	8.93E-05	2.77E-05	1.56E-03
753	490736.72	3860335.12	3.33E-03	1.29E-07	9.43E-05	2.73E-05	3.45E-03	1.57E-03	5.33E-02	7.07E-03	9.99E-04	6.29E-02	1.49E-03	1.06E-07	9.43E-05	2.73E-05	1.61E-03
754	490786.72	3860335.12	3.49E-03	1.28E-07	9.59E-05	2.68E-05	3.61E-03	1.64E-03	5.25E-02	7.19E-03	9.84E-04	6.24E-02	1.56E-03	1.05E-07	9.59E-05	2.68E-05	1.69E-03
755	490086.72	3860385.12	3.81E-03	1.71E-07	7.57E-05	3.36E-05	3.92E-03	1.80E-03	7.05E-02	5.68E-03	1.23E-03	7.92E-02	1.71E-03	1.40E-07	7.57E-05	3.36E-05	1.82E-03
756	490136.72	3860385.12	3.85E-03	1.65E-07	7.04E-05	3.32E-05	3.96E-03	1.82E-03	6.80E-02	5.28E-03	1.22E-03	7.63E-02	1.73E-03	1.35E-07	7.04E-05	3.32E-05	1.83E-03
757	490186.72	3860385.12	3.72E-03	1.61E-07	6.70E-05	3.47E-05	3.82E-03	1.75E-03	6.64E-02	5.03E-03	1.27E-03	7.44E-02	1.67E-03	1.32E-07	6.70E-05	3.47E-05	1.77E-03
758	490236.72	3860385.12	3.61E-03	1.55E-07	6.30E-05	3.45E-05	3.71E-03	1.70E-03	6.39E-02	4.73E-03	1.27E-03	7.15E-02	1.62E-03	1.27E-07	6.30E-05	3.45E-05	1.72E-03
759	490286.72	3860385.12	3.66E-03	1.51E-07	7.28E-05	3.42E-05	3.77E-03	1.73E-03	6.23E-02	5.46E-03	1.25E-03	7.07E-02	1.64E-03	1.24E-07	7.28E-05	3.42E-05	1.75E-03
760	490336.72	3860385.12	3.69E-03	1.48E-07	7.17E-05	3.38E-05	3.79E-03	1.74E-03	6.08E-02	5.38E-03	1.24E-03	6.92E-02	1.65E-03	1.21E-07	7.17E-05	3.38E-05	1.76E-03
761	490386.72	3860385.12	3.87E-03	1.46E-07	8.02E-05	3.34E-05	3.98E-03	1.82E-03	6.03E-02	6.02E-03	1.23E-03	6.93E-02	1.73E-03	1.20E-07	8.02E-05	3.34E-05	1.85E-03
762	490436.72	3860385.12	4.01E-03	1.45E-07	8.28E-05	3.30E-05	4.13E-03	1.89E-03	5.97E-02	6.21E-03	1.21E-03	6.91E-02	1.80E-03	1.19E-07	8.28E-05	3.30E-05	1.92E-03
763	490486.72	3860385.12	3.91E-03	1.43E-07	8.33E-05	3.24E-05	4.02E-03	1.84E-03	5.88E-02	6.25E-03	1.19E-03	6.81E-02	1.75E-03	1.17E-07	8.33E-05	3.24E-05	1.87E-03
764	490536.72	3860385.12	3.80E-03	1.41E-07	7.86E-05	3.07E-05	3.91E-03	1.79E-03	5.82E-02	5.90E-03	1.12E-03	6.70E-02	1.70E-03	1.16E-07	7.86E-05	3.07E-05	1.81E-03
765	490586.72	3860385.12	3.63E-03	1.40E-07	7.37E-05	2.91E-05	3.73E-03	1.71E-03	5.75E-02	5.52E-03	1.07E-03	6.58E-02	1.63E-03	1.15E-07	7.37E-05	2.91E-05	1.73E-03
766	490636.72	3860385.12	3.54E-03	1.37E-07	7.49E-05	2.87E-05	3.64E-03	1.67E-03	5.64E-02	5.62E-03	1.05E-03	6.48E-02	1.59E-03	1.12E-07	7.49E-05	2.87E-05	1.69E-03
767	490686.72	3860385.12	3.29E-03	1.31E-07	8.16E-05	2.82E-05	3.40E-03	1.55E-03	5.38E-02	6.12E-03	1.04E-03	6.25E-02	1.48E-03	1.07E-07	8.16E-05	2.82E-05	1.59E-03
768	490736.72	3860385.12	3.16E-03	1.27E-07	8.74E-05	2.69E-05	3.27E-03	1.49E-03	5.23E-02	6.55E-03	9.85E-04	6.14E-02	1.42E-03	1.04E-07	8.74E-05	2.69E-05	1.53E-03
769	490786.72	3860385.12	3.23E-03	1.26E-07	9.24E-05	2.63E-05	3.35E-03	1.52E-03	5.18E-02	6.93E-03	9.63E-04	6.12E-02	1.45E-03	1.03E-07	9.24E-05	2.63E-05	1.57E-03
770	490136.72	3860435.12	3.74E-03	1.60E-07	7.49E-05	3.14E-05	3.85E-03	1.76E-03	6.61E-02	5.62E-03	1.15E-03	7.46E-02	1.68E-03	1.32E-07	7.49E-05	3.14E-05	1.78E-03
771	490186.72	3860435.12	3.78E-03	1.56E-07	7.00E-05	3.08E-05	3.88E-03	1.78E-03	6.44E-02	5.25E-03	1.13E-03	7.26E-02	1.70E-03	1.28E-07	7.00E-05	3.08E-05	1.80E-03
772	490236.72	3860435.12	3.66E-03	1.53E-07	6.66E-05	3.17E-05	3.76E-03	1.73E-03	6.29E-02	5.00E-03	1.16E-03	7.08E-02	1.64E-03	1.25E-07	6.66E-05	3.17E-05	1.74E-03
773	490286.72	3860435.12	3.54E-03	1.49E-07	6.33E-05	3.23E-05	3.64E-03	1.67E-03	6.12E-02	4.75E-03	1.18E-03	6.88E-02	1.59E-03	1.22E-07	6.33E-05	3.23E-05	1.68E-03
774	490336.72	3860435.12	3.60E-03	1.46E-07	7.29E-05	3.18E-05	3.70E-03	1.70E-03	6.02E-02	5.46E-03	1.17E-03	6.86E-02	1.61E-03	1.20E-07	7.29E-05	3.18E-05	1.72E-03
775	490386.72	3860435.12	3.62E-03	1.44E-07	7.04E-05	3.14E-05	3.72E-03	1.71E-03	5.92E-02	5.28E-03	1.15E-03	6.73E-02	1.62E-03	1.18E-07	7.04E-05	3.14E-05	1.73E-03
776	490436.72	3860435.12	3.78E-03	1.41E-07	7.90E-05	3.15E-05	3.89E-03	1.78E-03	5.82E-02	5.92E-03	1.16E-03	6.70E-02	1.69E-03	1.16E-07	7.90E-05	3.15E-05	1.80E-03
777	490486.72	3860435.12	3.94E-03	1.40E-07	8.13E-05	3.13E-05	4.06E-03	1.86E-03	5.75E-02	6.10E-03	1.15E-03	6.66E-02	1.77E-03	1.15E-07	8.13E-05	3.13E-05	1.88E-03
778	490536.72	3860435.12	3.84E-03	1.37E-07	8.29E-05	3.08E-05	3.96E-03	1.81E-03	5.63E-02	6.22E-03	1.13E-03	6.54E-02	1.72E-03	1.12E-07	8.29E-05	3.08E-05	1.84E-03
779	490586.72	3860435.12	3.74E-03	1.34E-07	7.83E-05	2.98E-05	3.85E-03	1.77E-03	5.54E-02	5.87E-03	1.09E-03	6.41E-02	1.68E-03	1.10E-07	7.83E-05	2.98E-05	1.79E-03
780	490636.72	3860435.12	3.57E-03	1.32E-07	7.34E-05	2.92E-05	3.67E-03	1.68E-03	5.45E-02	5.51E-03	1.07E-03	6.28E-02	1.60E-03	1.09E-07	7.34E-05	2.92E-05	1.70E-03
781	490686.72	3860435.12	3.46E-03	1.30E-07	7.33E-05	2.87E-05	3.56E-03	1.63E-03	5.37E-02	5.50E-03	1.05E-03	6.18E-02	1.55E-03	1.07E-07	7.33E-05	2.87E-05	1.65E-03
782	490736.72	3860435.12	3.25E-03	1.26E-07	7.99E-05	2.82E-05	3.36E-03	1.53E-03	5.18E-02	5.99E-03	1.03E-03	6.04E-02	1.46E-03	1.03E-07	7.99E-05	2.82E-05	1.57E-03
783	490786.72	3860435.12	3.09E-03	1.23E-07	8.56E-05	2.69E-05	3.21E-03	1.46E-03	5.08E-02	6.42E-03	9.87E-04	5.97E-02	1.39E-03	1.01E-07	8.56E-05	2.69E-05	1.50E-03
784	490136.72	3860485.12	3.81E-03	1.56E-07	7.44E-05	2.66E-05	3.91E-03	1.80E-03	6.42E-02	5.58E-03	9.76E-04	7.26E-02	1.71E-03	1.28E-07	7.44E-05	2.66E-05	1.81E-03
785	490186.72	3860485.12	3.68E-03	1.52E-07	7.41E-05	2.76E-05	3.78E-03	1.73E-03	6.24E-02	5.55E-03	1.01E-03	7.07E-02	1.65E-03	1.24E-07	7.41E-05	2.76E-05	1.75E-03
786	490236.72	3860485.12	3.71E-03	1.47E-07	6.96E-05	2.85E-05	3.81E-03	1.75E-03	6.07E-02	5.22E-03	1.04E-03	6.87E-02	1.66E-03	1.21E-07	6.96E-05	2.85E-05	1.76E-03
787	490286.72	3860485.12	3.60E-03	1.43E-07	6.62E-05	2.94E-05	3.69E-03	1.70E-03	5.90E-02	4.97E-03	1.08E-03	6.68E-02	1.61E-03	1.18E-07	6.62E-05	2.94E-05	1.71E-03
788	490336.72	3860485.12	3.48E-03	1.39E-07	6.37E-05	2.89E-05	3.57E-03	1.64E-03	5.73E-02	4.77E-03	1.06E-03	6.48E-02	1.56E-03	1.14E-07	6.37E-05	2.89E-05	1.65E-03
789	490386.72	3860485.12	3.53E-03	1.37E-07	7.19E-05	2.85E-05	3.63E-03	1.67E-03	5.64E-02	5.39E-03	1.04E-03	6.45E-02	1.58E-03	1.12E-07	7.19E-05	2.85E-05	1.68E-03

790	490436.72	3860485.12	3.56E-03	1.37E-07	6.93E-05	2.93E-05	3.66E-03	1.68E-03	5.65E-02	5.20E-03	1.07E-03	6.45E-02	1.60E-03	1.13E-07	6.93E-05	2.93E-05	1.70E-03
791	490486.72	3860485.12	3.69E-03	1.37E-07	7.80E-05	2.99E-05	3.80E-03	1.74E-03	5.65E-02	5.85E-03	1.10E-03	6.52E-02	1.66E-03	1.13E-07	7.80E-05	2.99E-05	1.76E-03
792	490536.72	3860485.12	3.88E-03	1.34E-07	7.98E-05	3.05E-05	3.99E-03	1.83E-03	5.54E-02	5.99E-03	1.12E-03	6.43E-02	1.74E-03	1.10E-07	7.98E-05	3.05E-05	1.85E-03
793	490586.72	3860485.12	3.78E-03	1.31E-07	8.25E-05	3.00E-05	3.89E-03	1.78E-03	5.41E-02	6.19E-03	1.10E-03	6.31E-02	1.69E-03	1.08E-07	8.25E-05	3.00E-05	1.81E-03
794	490636.72	3860485.12	3.69E-03	1.28E-07	7.80E-05	2.95E-05	3.80E-03	1.74E-03	5.28E-02	5.85E-03	1.08E-03	6.15E-02	1.65E-03	1.05E-07	7.80E-05	2.95E-05	1.76E-03
795	490686.72	3860485.12	3.52E-03	1.25E-07	7.31E-05	2.88E-05	3.62E-03	1.66E-03	5.16E-02	5.49E-03	1.06E-03	5.98E-02	1.58E-03	1.03E-07	7.31E-05	2.88E-05	1.68E-03
796	490736.72	3860485.12	3.39E-03	1.22E-07	7.17E-05	2.81E-05	3.49E-03	1.60E-03	5.04E-02	5.38E-03	1.03E-03	5.84E-02	1.52E-03	1.00E-07	7.17E-05	2.81E-05	1.62E-03
797	490786.72	3860485.12	3.21E-03	1.20E-07	7.81E-05	2.72E-05	3.31E-03	1.51E-03	4.94E-02	5.85E-03	9.98E-04	5.78E-02	1.44E-03	9.85E-08	7.81E-05	2.72E-05	1.54E-03
798	490136.72	3860535.12	3.88E-03	1.52E-07	7.64E-05	2.69E-05	3.99E-03	1.83E-03	6.27E-02	5.73E-03	9.85E-04	7.12E-02	1.74E-03	1.25E-07	7.64E-05	2.69E-05	1.84E-03
799	490186.72	3860535.12	3.75E-03	1.47E-07	7.39E-05	2.63E-05	3.85E-03	1.77E-03	6.07E-02	5.55E-03	9.64E-04	6.90E-02	1.68E-03	1.21E-07	7.39E-05	2.63E-05	1.78E-03
800	490236.72	3860535.12	3.61E-03	1.45E-07	7.20E-05	2.50E-05	3.71E-03	1.70E-03	5.96E-02	5.40E-03	9.18E-04	6.77E-02	1.62E-03	1.19E-07	7.20E-05	2.50E-05	1.72E-03
801	490286.72	3860535.12	3.64E-03	1.43E-07	6.92E-05	2.50E-05	3.73E-03	1.72E-03	5.90E-02	5.19E-03	9.17E-04	6.69E-02	1.63E-03	1.18E-07	6.92E-05	2.50E-05	1.73E-03
802	490336.72	3860535.12	3.54E-03	1.40E-07	6.58E-05	2.59E-05	3.63E-03	1.67E-03	5.76E-02	4.93E-03	9.48E-04	6.52E-02	1.59E-03	1.15E-07	6.58E-05	2.59E-05	1.68E-03
803	490386.72	3860535.12	3.43E-03	1.37E-07	6.42E-05	2.67E-05	3.52E-03	1.62E-03	5.62E-02	4.82E-03	9.79E-04	6.37E-02	1.54E-03	1.12E-07	6.42E-05	2.67E-05	1.63E-03
804	490436.72	3860535.12	3.48E-03	1.34E-07	7.05E-05	2.74E-05	3.57E-03	1.64E-03	5.53E-02	5.29E-03	1.00E-03	6.32E-02	1.56E-03	1.10E-07	7.05E-05	2.74E-05	1.66E-03
805	490486.72	3860535.12	3.50E-03	1.33E-07	6.85E-05	2.71E-05	3.60E-03	1.65E-03	5.50E-02	5.14E-03	9.95E-04	6.28E-02	1.57E-03	1.09E-07	6.85E-05	2.71E-05	1.67E-03
806	490536.72	3860535.12	3.63E-03	1.33E-07	7.78E-05	2.64E-05	3.73E-03	1.71E-03	5.48E-02	5.83E-03	9.66E-04	6.33E-02	1.63E-03	1.09E-07	7.78E-05	2.64E-05	1.73E-03
807	490586.72	3860535.12	3.81E-03	1.30E-07	7.84E-05	2.55E-05	3.92E-03	1.80E-03	5.34E-02	5.88E-03	9.36E-04	6.21E-02	1.71E-03	1.06E-07	7.84E-05	2.55E-05	1.81E-03
808	490636.72	3860535.12	3.72E-03	1.27E-07	8.21E-05	2.59E-05	3.83E-03	1.75E-03	5.22E-02	6.16E-03	9.51E-04	6.11E-02	1.67E-03	1.04E-07	8.21E-05	2.59E-05	1.78E-03
809	490686.72	3860535.12	3.61E-03	1.24E-07	7.76E-05	2.65E-05	3.72E-03	1.70E-03	5.11E-02	5.82E-03	9.72E-04	5.96E-02	1.62E-03	1.02E-07	7.76E-05	2.65E-05	1.73E-03
810	490736.72	3860535.12	3.47E-03	1.21E-07	7.29E-05	2.68E-05	3.57E-03	1.63E-03	4.99E-02	5.46E-03	9.83E-04	5.80E-02	1.55E-03	9.95E-08	7.29E-05	2.68E-05	1.65E-03
811	490786.72	3860535.12	3.32E-03	1.19E-07	7.02E-05	2.64E-05	3.42E-03	1.57E-03	4.89E-02	5.26E-03	9.67E-04	5.67E-02	1.49E-03	9.74E-08	7.02E-05	2.64E-05	1.59E-03
812	490136.72	3860585.12	3.83E-03	1.52E-07	8.01E-05	2.64E-05	3.94E-03	1.81E-03	6.26E-02	6.00E-03	9.69E-04	7.13E-02	1.72E-03	1.25E-07	8.01E-05	2.64E-05	1.83E-03
813	490186.72	3860585.12	3.80E-03	1.48E-07	7.43E-05	2.55E-05	3.90E-03	1.79E-03	6.10E-02	5.57E-03	9.35E-04	6.93E-02	1.70E-03	1.22E-07	7.43E-05	2.55E-05	1.80E-03
814	490236.72	3860585.12	3.67E-03	1.45E-07	7.36E-05	2.46E-05	3.77E-03	1.73E-03	5.98E-02	5.52E-03	9.02E-04	6.80E-02	1.65E-03	1.19E-07	7.36E-05	2.46E-05	1.74E-03
815	490286.72	3860585.12	3.54E-03	1.43E-07	7.17E-05	2.48E-05	3.64E-03	1.67E-03	5.87E-02	5.37E-03	9.10E-04	6.67E-02	1.59E-03	1.17E-07	7.17E-05	2.48E-05	1.68E-03
816	490336.72	3860585.12	3.57E-03	1.40E-07	6.88E-05	2.47E-05	3.67E-03	1.69E-03	5.77E-02	5.16E-03	9.04E-04	6.54E-02	1.60E-03	1.15E-07	6.88E-05	2.47E-05	1.70E-03
817	490386.72	3860585.12	3.48E-03	1.37E-07	6.53E-05	2.48E-05	3.57E-03	1.64E-03	5.66E-02	4.90E-03	9.08E-04	6.40E-02	1.56E-03	1.13E-07	6.53E-05	2.48E-05	1.65E-03
818	490436.72	3860585.12	3.38E-03	1.35E-07	6.50E-05	2.50E-05	3.47E-03	1.60E-03	5.56E-02	4.88E-03	9.15E-04	6.30E-02	1.52E-03	1.11E-07	6.50E-05	2.50E-05	1.61E-03
819	490486.72	3860585.12	3.43E-03	1.33E-07	6.94E-05	2.51E-05	3.53E-03	1.62E-03	5.46E-02	5.20E-03	9.20E-04	6.24E-02	1.54E-03	1.09E-07	6.94E-05	2.51E-05	1.63E-03
820	490536.72	3860585.12	3.45E-03	1.30E-07	6.83E-05	2.53E-05	3.55E-03	1.63E-03	5.35E-02	5.12E-03	9.27E-04	6.12E-02	1.55E-03	1.07E-07	6.83E-05	2.53E-05	1.64E-03
821	490586.72	3860585.12	3.53E-03	1.28E-07	7.55E-05	2.49E-05	3.63E-03	1.66E-03	5.28E-02	5.66E-03	9.13E-04	6.11E-02	1.58E-03	1.05E-07	7.55E-05	2.49E-05	1.68E-03
822	490636.72	3860585.12	3.75E-03	1.26E-07	7.70E-05	2.49E-05	3.85E-03	1.77E-03	5.19E-02	5.78E-03	9.12E-04	6.03E-02	1.68E-03	1.03E-07	7.70E-05	2.49E-05	1.78E-03
823	490686.72	3860585.12	3.66E-03	1.23E-07	8.16E-05	2.48E-05	3.76E-03	1.73E-03	5.09E-02	6.12E-03	9.11E-04	5.96E-02	1.64E-03	1.01E-07	8.16E-05	2.48E-05	1.75E-03
824	490736.72	3860585.12	3.55E-03	1.21E-07	7.72E-05	2.48E-05	3.65E-03	1.67E-03	4.99E-02	5.79E-03	9.09E-04	5.82E-02	1.59E-03	9.93E-08	7.72E-05	2.48E-05	1.69E-03
825	490786.72	3860585.12	3.42E-03	1.18E-07	7.25E-05	2.46E-05	3.51E-03	1.61E-03	4.88E-02	5.44E-03	9.03E-04	5.68E-02	1.53E-03	9.72E-08	7.25E-05	2.46E-05	1.63E-03
826	490136.72	3860635.12	3.62E-03	1.47E-07	7.95E-05	2.53E-05	3.73E-03	1.71E-03	6.07E-02	5.96E-03	9.26E-04	6.93E-02	1.62E-03	1.21E-07	7.95E-05	2.53E-05	1.73E-03
827	490186.72	3860635.12	3.77E-03	1.44E-07	7.74E-05	2.48E-05	3.87E-03	1.78E-03	5.92E-02	5.81E-03	9.08E-04	6.77E-02	1.69E-03	1.18E-07	7.74E-05	2.48E-05	1.79E-03
828	490236.72	3860635.12	3.74E-03	1.41E-07	7.44E-05	2.41E-05	3.84E-03	1.76E-03	5.81E-02	5.58E-03	8.83E-04	6.63E-02	1.68E-03	1.16E-07	7.44E-05	2.41E-05	1.78E-03
829	490286.72	3860635.12	3.60E-03	1.39E-07	7.43E-05	2.43E-05	3.70E-03	1.70E-03	5.71E-02	5.57E-03	8.91E-04	6.53E-02	1.62E-03	1.14E-07	7.43E-05	2.43E-05	1.72E-03
830	490336.72	3860635.12	3.48E-03	1.36E-07	7.13E-05	2.45E-05	3.57E-03	1.64E-03	5.62E-02	5.35E-03	8.99E-04	6.41E-02	1.56E-03	1.12E-07	7.13E-05	2.45E-05	1.65E-03
831	490386.72	3860635.12	3.51E-03	1.34E-07	6.84E-05	2.42E-05	3.60E-03	1.66E-03	5.54E-02	5.13E-03	8.86E-04	6.31E-02	1.57E-03	1.10E-07	6.84E-05	2.42E-05	1.67E-03
832	490436.72	3860635.12	3.43E-03	1.32E-07	6.49E-05	2.32E-05	3.51E-03	1.62E-03	5.45E-02	4.86E-03	8.52E-04	6.19E-02	1.54E-03	1.09E-07	6.49E-05	2.32E-05	1.62E-03
833	490486.72	3860635.12	3.32E-03	1.30E-07	6.48E-05	2.38E-05	3.41E-03	1.57E-03	5.37E-02	4.86E-03	8.71E-04	6.10E-02	1.49E-03	1.07E-07	6.48E-05	2.38E-05	1.58E-03
834	490536.72	3860635.12	3.36E-03	1.29E-07	6.78E-05	2.46E-05	3.45E-03	1.58E-03	5.30E-02	5.08E-03	9.03E-04	6.06E-02	1.51E-03	1.06E-07	6.78E-05	2.46E-05	1.60E-03
835	490586.72	3860635.12	3.38E-03	1.26E-07	6.65E-05	2.49E-05	3.47E-03	1.59E-03	5.18E-02	4.98E-03	9.12E-04	5.93E-02	1.51E-03	1.03E-07	6.65E-05	2.49E-05	1.61E-03
836	490636.72	3860635.12	3.45E-03	1.24E-07	7.45E-05	2.49E-05	3.55E-03	1.63E-03	5.13E-02	5.59E-03	9.14E-04	5.94E-02	1.55E-03	1.02E-07	7.45E-05	2.49E-05	1.65E-03
837	490686.72	3860635.12	3.68E-03	1.22E-07	7.58E-05	2.49E-05	3.79E-03	1.74E-03	5.05E-02	5.68E-03	9.13E-04	5.88E-02	1.65E-03	1.00E-07	7.58E-05	2.49E-05	1.75E-03
838	490736.72	3860635.12	3.60E-03	1.20E-07	8.04E-05	2.45E-05	3.70E-03	1.70E-03	4.96E-02	6.03E-03	8.99E-04	5.82E-02	1.61E-03	9.87E-08	8.04E-05	2.45E-05	1.72E-03
839	490786.72	3860635.12	3.49E-03	1.18E-07	7.67E-05	2.38E-05	3.59E-03	1.65E-03	4.87E-02	5.75E-03	8.71E-04	5.70E-02	1.57E-03	9.70E-08	7.67E-05	2.38E-05	1.67E-03
840	490136.72	3860685.12	3.43E-03	1.42E-07	8.05E-05	2.79E-05	3.54E-03	1.62E-03	5.87E-02	6.04E-03	1.02E-03	6.74E-02	1.54E-03	1.17E-07	8.05E-05	2.79E-05	1.65E-03
841	490186.72	3860685.12	3.58E-03	1.39E-07	8.06E-05	2.62E-05	3.69E-03	1.69E-03	5.74E-02	6.04E-03	9.59E-04	6.61E-02	1.61E-03	1.14E-07	8.06E-05	2.62E-05	1.71E-03
842	490236.72	3860685.12	3.69E-03	1.37E-07	7.50E-05	2.40E-05	3.79E-03	1.74E-03	5.63E-02	5.62E-03	8.81E-04	6.46E-02	1.66E-03	1.12E-07	7.50E-05	2.40E-05	1.76E-03
843	490286.72	3860685.12	3.67E-03	1.34E-07	7.42E-05	2.40E-05	3.77E-03	1.73E-03	5.51E-02	5.57E-03	8.79E-04	6.33E-02	1.65E-03	1.10E-07	7.42E-05	2.40E-05	1.74E-03
844	490336.72	3860685.12	3.54E-03	1.31E-07	7.31E-05	2.43E-05	3.64E-03	1.67E-03	5.42E-02	5.48E-03	8.93E-04	6.22E-02	1.59E-03	1.08E-07	7.31E-05	2.43E-05	1.69E-03
845	490386.72	3860685.12	3.42E-03	1.30E-07	7.09E-05	2.46E-05	3.51E-03	1.61E-03	5.35E-02	5.32E-03	9.01E-04	6.13E-02	1.53E-03	1.07E-07	7.09E-05	2.46E-05	1.63E-03
846	490436.72	3860685.12	3.44E-03	1.28E-07	6.79E-05	2.41E-05	3.54E-03	1.62E-03	5.29E-02	5.10E-03	8.85E-04	6.05E-02	1.54E-03	1.05E-07	6.79E-05	2.41E-05	1.64E-03
847	490486.72	3860685.12	3.37E-03	1.27E-07	6.43E-05	2.32E-05	3.45E-03	1.59E-03	5.23E-02	4.82E-03	8.51E-04	5.96E-02	1.51E-03	1.04E-07	6.43E-05	2.32E-05	1.60E-03
848	490536.72	3860685.12	3.26E-03	1.26E-07	6.47E-05	2.24E-05	3.35E-03	1.54E-03	5.18E-02	4.86E-03	8.20E-04	5.90E-02	1.46E-03	1.03E-07	6.47E-05	2.24E-05	1.55E-03
849	490586.72	3860685.12	3.29E-03	1.24E-07	6.63E-05	2.15E-05	3.38E-03	1.55E-03	5.12E-02	4.97E-03	7.88E-04	5.85E-02	1.48E-03	1.02E-07	6.63E-05	2.15E-05	1.56E-03
850	490636.72	3860685.12	3.32E-03	1.23E-07	6.56E-05	2.18E-05	3.41E-03	1.57E-03	5.06E-02	4.92E-03	7.99E-04	5.78E-02	1.49E-03	1.01E-07	6.56E-05	2.18E-05	1.58E-03

851	490686.72	3860685.12	3.38E-03	1.21E-07	7.36E-05	2.24E-05	3.47E-03	1.59E-03	4.99E-02	5.52E-03	8.21E-04	5.79E-02	1.51E-03	9.95E-08	7.36E-05	2.24E-05	1.61E-03
852	490736.72	3860685.12	3.61E-03	1.20E-07	7.45E-05	2.28E-05	3.70E-03	1.70E-03	4.92E-02	5.59E-03	8.34E-04	5.74E-02	1.62E-03	9.81E-08	7.45E-05	2.28E-05	1.71E-03
853	490786.72	3860685.12	3.55E-03	1.18E-07	7.92E-05	2.33E-05	3.66E-03	1.68E-03	4.86E-02	5.94E-03	8.55E-04	5.71E-02	1.59E-03	9.69E-08	7.92E-05	2.33E-05	1.70E-03
854	490136.72	3860735.12	3.56E-03	1.38E-07	8.24E-05	2.76E-05	3.67E-03	1.68E-03	5.67E-02	6.18E-03	1.01E-03	6.56E-02	1.60E-03	1.13E-07	8.24E-05	2.76E-05	1.71E-03
855	490186.72	3860735.12	3.33E-03	1.34E-07	7.78E-05	2.71E-05	3.43E-03	1.57E-03	5.54E-02	5.84E-03	9.95E-04	6.38E-02	1.49E-03	1.10E-07	7.78E-05	2.71E-05	1.60E-03
856	490236.72	3860735.12	3.47E-03	1.32E-07	7.77E-05	2.57E-05	3.57E-03	1.63E-03	5.43E-02	5.83E-03	9.44E-04	6.27E-02	1.55E-03	1.08E-07	7.77E-05	2.57E-05	1.66E-03
857	490286.72	3860735.12	3.59E-03	1.29E-07	7.45E-05	2.40E-05	3.68E-03	1.69E-03	5.33E-02	5.59E-03	8.82E-04	6.15E-02	1.61E-03	1.06E-07	7.45E-05	2.40E-05	1.71E-03
858	490336.72	3860735.12	3.59E-03	1.27E-07	7.41E-05	2.39E-05	3.69E-03	1.70E-03	5.25E-02	5.56E-03	8.78E-04	6.06E-02	1.61E-03	1.05E-07	7.41E-05	2.39E-05	1.71E-03
859	490386.72	3860735.12	3.48E-03	1.26E-07	7.23E-05	2.43E-05	3.58E-03	1.64E-03	5.18E-02	5.43E-03	8.91E-04	5.98E-02	1.56E-03	1.03E-07	7.23E-05	2.43E-05	1.66E-03
860	490436.72	3860735.12	3.37E-03	1.24E-07	7.04E-05	2.47E-05	3.46E-03	1.59E-03	5.13E-02	5.28E-03	9.05E-04	5.91E-02	1.51E-03	1.02E-07	7.04E-05	2.47E-05	1.60E-03
861	490486.72	3860735.12	3.39E-03	1.22E-07	6.76E-05	2.44E-05	3.48E-03	1.60E-03	5.03E-02	5.07E-03	8.95E-04	5.79E-02	1.52E-03	1.00E-07	6.76E-05	2.44E-05	1.61E-03
862	490536.72	3860735.12	3.31E-03	1.20E-07	6.37E-05	2.33E-05	3.40E-03	1.56E-03	4.96E-02	4.78E-03	8.54E-04	5.68E-02	1.49E-03	9.87E-08	6.37E-05	2.33E-05	1.57E-03
863	490586.72	3860735.12	3.21E-03	1.19E-07	6.47E-05	2.24E-05	3.29E-03	1.51E-03	4.91E-02	4.85E-03	8.22E-04	5.63E-02	1.44E-03	9.78E-08	6.47E-05	2.24E-05	1.53E-03
864	490636.72	3860735.12	3.23E-03	1.18E-07	6.50E-05	2.16E-05	3.32E-03	1.52E-03	4.87E-02	4.87E-03	7.91E-04	5.59E-02	1.45E-03	9.70E-08	6.50E-05	2.16E-05	1.54E-03
865	490686.72	3860735.12	3.26E-03	1.17E-07	6.47E-05	2.08E-05	3.35E-03	1.54E-03	4.83E-02	4.85E-03	7.64E-04	5.55E-02	1.46E-03	9.63E-08	6.47E-05	2.08E-05	1.55E-03
866	490736.72	3860735.12	3.30E-03	1.16E-07	7.25E-05	2.00E-05	3.39E-03	1.56E-03	4.80E-02	5.44E-03	7.35E-04	5.57E-02	1.48E-03	9.55E-08	7.25E-05	2.00E-05	1.57E-03
867	490136.72	3860785.12	3.57E-03	1.33E-07	8.48E-05	2.77E-05	3.68E-03	1.68E-03	5.49E-02	6.36E-03	1.02E-03	6.39E-02	1.60E-03	1.09E-07	8.48E-05	2.77E-05	1.71E-03
868	490186.72	3860785.12	3.47E-03	1.31E-07	8.00E-05	2.72E-05	3.58E-03	1.64E-03	5.38E-02	6.00E-03	9.99E-04	6.24E-02	1.56E-03	1.07E-07	8.00E-05	2.72E-05	1.66E-03
869	490236.72	3860785.12	3.25E-03	1.28E-07	7.58E-05	2.69E-05	3.35E-03	1.53E-03	5.26E-02	5.68E-03	9.85E-04	6.08E-02	1.46E-03	1.05E-07	7.58E-05	2.69E-05	1.56E-03
870	490286.72	3860785.12	3.40E-03	1.26E-07	7.51E-05	2.62E-05	3.51E-03	1.61E-03	5.17E-02	5.64E-03	9.61E-04	5.99E-02	1.53E-03	1.03E-07	7.51E-05	2.62E-05	1.63E-03
871	490336.72	3860785.12	3.50E-03	1.24E-07	7.44E-05	2.45E-05	3.60E-03	1.65E-03	5.09E-02	5.58E-03	8.98E-04	5.90E-02	1.57E-03	1.01E-07	7.44E-05	2.45E-05	1.67E-03
872	490386.72	3860785.12	3.52E-03	1.22E-07	7.39E-05	2.38E-05	3.62E-03	1.66E-03	5.02E-02	5.54E-03	8.74E-04	5.83E-02	1.58E-03	1.00E-07	7.39E-05	2.38E-05	1.68E-03
873	490436.72	3860785.12	3.42E-03	1.20E-07	6.96E-05	2.42E-05	3.51E-03	1.61E-03	4.95E-02	5.22E-03	8.88E-04	5.73E-02	1.53E-03	9.87E-08	6.96E-05	2.42E-05	1.63E-03
874	490486.72	3860785.12	3.30E-03	1.19E-07	6.94E-05	2.46E-05	3.39E-03	1.56E-03	4.90E-02	5.20E-03	9.01E-04	5.67E-02	1.48E-03	9.77E-08	6.94E-05	2.46E-05	1.57E-03
875	490536.72	3860785.12	3.32E-03	1.18E-07	6.70E-05	2.43E-05	3.41E-03	1.57E-03	4.84E-02	5.02E-03	8.91E-04	5.59E-02	1.49E-03	9.65E-08	6.70E-05	2.43E-05	1.58E-03
876	490586.72	3860785.12	3.26E-03	1.16E-07	6.31E-05	2.33E-05	3.34E-03	1.54E-03	4.79E-02	4.73E-03	8.54E-04	5.50E-02	1.46E-03	9.53E-08	6.31E-05	2.33E-05	1.55E-03
877	490636.72	3860785.12	3.15E-03	1.13E-07	6.47E-05	2.25E-05	3.24E-03	1.49E-03	4.68E-02	4.85E-03	8.24E-04	5.39E-02	1.41E-03	9.31E-08	6.47E-05	2.25E-05	1.50E-03
878	490686.72	3860785.12	3.17E-03	1.11E-07	6.37E-05	2.17E-05	3.26E-03	1.50E-03	4.58E-02	4.78E-03	7.97E-04	5.29E-02	1.42E-03	9.12E-08	6.37E-05	2.17E-05	1.51E-03
879	490736.72	3860785.12	3.21E-03	1.10E-07	6.37E-05	2.10E-05	3.29E-03	1.51E-03	4.55E-02	4.78E-03	7.71E-04	5.26E-02	1.44E-03	9.06E-08	6.37E-05	2.10E-05	1.52E-03
880	490086.72	3860835.12	3.25E-03	1.31E-07	8.68E-05	3.19E-05	3.37E-03	1.53E-03	5.41E-02	6.51E-03	1.17E-03	6.33E-02	1.46E-03	1.08E-07	8.68E-05	3.19E-05	1.58E-03
881	490136.72	3860835.12	3.43E-03	1.29E-07	8.64E-05	2.88E-05	3.54E-03	1.62E-03	5.32E-02	6.48E-03	1.06E-03	6.24E-02	1.54E-03	1.06E-07	8.64E-05	2.88E-05	1.65E-03
882	490186.72	3860835.12	3.49E-03	1.27E-07	8.26E-05	2.77E-05	3.60E-03	1.65E-03	5.22E-02	6.19E-03	1.02E-03	6.10E-02	1.57E-03	1.04E-07	8.26E-05	2.77E-05	1.68E-03
883	490236.72	3860835.12	3.40E-03	1.22E-07	7.79E-05	2.72E-05	3.50E-03	1.60E-03	5.04E-02	5.84E-03	9.97E-04	5.88E-02	1.52E-03	1.00E-07	7.79E-05	2.72E-05	1.63E-03
884	490286.72	3860835.12	3.18E-03	1.20E-07	7.63E-05	2.68E-05	3.28E-03	1.50E-03	4.95E-02	5.72E-03	9.84E-04	5.77E-02	1.43E-03	9.85E-08	7.63E-05	2.68E-05	1.53E-03
885	490336.72	3860835.12	3.35E-03	1.19E-07	7.40E-05	2.64E-05	3.45E-03	1.58E-03	4.92E-02	5.55E-03	9.68E-04	5.73E-02	1.50E-03	9.80E-08	7.40E-05	2.64E-05	1.60E-03
886	490386.72	3860835.12	3.42E-03	1.17E-07	7.42E-05	2.49E-05	3.52E-03	1.61E-03	4.81E-02	5.57E-03	9.13E-04	5.61E-02	1.54E-03	9.57E-08	7.42E-05	2.49E-05	1.63E-03
887	490436.72	3860835.12	3.44E-03	1.14E-07	7.35E-05	2.36E-05	3.54E-03	1.62E-03	4.68E-02	5.52E-03	8.66E-04	5.48E-02	1.54E-03	9.32E-08	7.35E-05	2.36E-05	1.64E-03
888	490486.72	3860835.12	3.35E-03	1.12E-07	6.72E-05	2.41E-05	3.45E-03	1.58E-03	4.62E-02	5.04E-03	8.82E-04	5.38E-02	1.50E-03	9.21E-08	6.72E-05	2.41E-05	1.60E-03
889	490536.72	3860835.12	3.23E-03	1.11E-07	6.83E-05	2.44E-05	3.32E-03	1.52E-03	4.57E-02	5.12E-03	8.94E-04	5.32E-02	1.45E-03	9.09E-08	6.83E-05	2.44E-05	1.54E-03
890	490586.72	3860835.12	3.25E-03	1.09E-07	6.62E-05	2.41E-05	3.35E-03	1.54E-03	4.51E-02	4.97E-03	8.85E-04	5.25E-02	1.46E-03	8.98E-08	6.62E-05	2.41E-05	1.55E-03
891	490636.72	3860835.12	3.20E-03	1.08E-07	6.25E-05	2.34E-05	3.29E-03	1.51E-03	4.47E-02	4.69E-03	8.56E-04	5.17E-02	1.44E-03	8.90E-08	6.25E-05	2.34E-05	1.52E-03
892	490686.72	3860835.12	3.11E-03	1.08E-07	6.49E-05	2.27E-05	3.19E-03	1.46E-03	4.44E-02	4.86E-03	8.31E-04	5.15E-02	1.39E-03	8.83E-08	6.49E-05	2.27E-05	1.48E-03
893	490736.72	3860835.12	3.12E-03	1.07E-07	6.25E-05	2.20E-05	3.21E-03	1.47E-03	4.41E-02	4.69E-03	8.07E-04	5.11E-02	1.40E-03	8.79E-08	6.25E-05	2.20E-05	1.49E-03
894	490086.72	3860885.12	3.09E-03	1.31E-07	8.51E-05	3.12E-05	3.21E-03	1.46E-03	5.39E-02	6.38E-03	1.14E-03	6.29E-02	1.39E-03	1.07E-07	8.51E-05	3.12E-05	1.50E-03
895	490136.72	3860885.12	3.22E-03	1.27E-07	8.60E-05	3.14E-05	3.33E-03	1.52E-03	5.22E-02	6.45E-03	1.15E-03	6.13E-02	1.44E-03	1.04E-07	8.60E-05	3.14E-05	1.56E-03
896	490186.72	3860885.12	3.38E-03	1.22E-07	8.53E-05	2.94E-05	3.49E-03	1.59E-03	5.05E-02	6.40E-03	1.08E-03	5.95E-02	1.52E-03	1.01E-07	8.53E-05	2.94E-05	1.63E-03
897	490236.72	3860885.12	3.42E-03	1.20E-07	8.04E-05	2.78E-05	3.53E-03	1.61E-03	4.96E-02	6.03E-03	1.02E-03	5.83E-02	1.53E-03	9.89E-08	8.04E-05	2.78E-05	1.64E-03
898	490286.72	3860885.12	3.33E-03	1.19E-07	7.60E-05	2.73E-05	3.43E-03	1.57E-03	4.88E-02	5.70E-03	1.00E-03	5.71E-02	1.49E-03	9.73E-08	7.60E-05	2.73E-05	1.60E-03
899	490336.72	3860885.12	3.13E-03	1.15E-07	7.56E-05	2.68E-05	3.23E-03	1.48E-03	4.72E-02	5.67E-03	9.81E-04	5.53E-02	1.40E-03	9.40E-08	7.56E-05	2.68E-05	1.51E-03
900	490386.72	3860885.12	3.29E-03	1.10E-07	7.41E-05	2.64E-05	3.40E-03	1.55E-03	4.53E-02	5.56E-03	9.70E-04	5.34E-02	1.48E-03	9.03E-08	7.41E-05	2.64E-05	1.58E-03
901	490436.72	3860885.12	3.36E-03	1.10E-07	7.41E-05	2.53E-05	3.46E-03	1.58E-03	4.52E-02	5.56E-03	9.29E-04	5.32E-02	1.51E-03	9.00E-08	7.41E-05	2.53E-05	1.61E-03
902	490486.72	3860885.12	3.37E-03	1.10E-07	7.28E-05	2.39E-05	3.47E-03	1.59E-03	4.52E-02	5.46E-03	8.77E-04	5.31E-02	1.51E-03	9.00E-08	7.28E-05	2.39E-05	1.61E-03
903	490536.72	3860885.12	3.29E-03	1.07E-07	6.62E-05	2.38E-05	3.38E-03	1.55E-03	4.41E-02	4.97E-03	8.74E-04	5.14E-02	1.48E-03	8.77E-08	6.62E-05	2.38E-05	1.57E-03
904	490586.72	3860885.12	3.16E-03	1.06E-07	6.74E-05	2.42E-05	3.26E-03	1.49E-03	4.35E-02	5.05E-03	8.87E-04	5.10E-02	1.42E-03	8.67E-08	6.74E-05	2.42E-05	1.51E-03
905	490636.72	3860885.12	3.19E-03	1.04E-07	6.56E-05	2.41E-05	3.28E-03	1.51E-03	4.30E-02	4.92E-03	8.84E-04	5.03E-02	1.43E-03	8.57E-08	6.56E-05	2.41E-05	1.52E-03
906	490686.72	3860885.12	3.15E-03	1.03E-07	6.19E-05	2.35E-05	3.24E-03	1.49E-03	4.25E-02	4.64E-03	8.60E-04	4.95E-02	1.41E-03	8.47E-08	6.19E-05	2.35E-05	1.50E-03
907	490736.72	3860885.12	3.06E-03	1.02E-07	6.45E-05	2.28E-05	3.14E-03	1.44E-03	4.21E-02	4.84E-03	8.35E-04	4.92E-02	1.37E-03	8.39E-08	6.45E-05	2.28E-05	1.46E-03
908	490086.72	3860935.12	2.93E-03	1.25E-07	8.30E-05	3.04E-05	3.04E-03	1.38E-03	5.14E-02	6.23E-03	1.11E-03	6.02E-02	1.31E-03	1.02E-07	8.30E-05	3.04E-05	1.43E-03
909	490136.72	3860935.12	3.04E-03	1.22E-07	8.42E-05	3.05E-05	3.15E-03	1.43E-03	5.03E-02	6.32E-03	1.12E-03	5.92E-02	1.36E-03	1.00E-07	8.42E-05	3.05E-05	1.48E-03
910	490186.72	3860935.12	3.18E-03	1.22E-07	8.50E-05	3.07E-05	3.29E-03	1.50E-03	5.03E-02	6.38E-03	1.13E-03	5.93E-02	1.43E-03	1.00E-07	8.50E-05	3.07E-05	1.54E-03
911	490236.72	3860935.12	3.33E-03	1.22E-07	8.30E-05	2.96E-05	3.45E-03	1.57E-03	5.01E-02	6.22E-03	1.09E-03	5.90E-02	1.49E-03	9.98E-08	8.30E-05	2.96E-05	1.61E-03

912	490286.72	3860935.12	3.35E-03	1.18E-07	7.83E-05	2.79E-05	3.45E-03	1.58E-03	4.87E-02	5.87E-03	1.02E-03	5.71E-02	1.50E-03	9.70E-08	7.83E-05	2.79E-05	1.61E-03
913	490336.72	3860935.12	3.26E-03	1.15E-07	7.40E-05	2.73E-05	3.36E-03	1.54E-03	4.73E-02	5.55E-03	1.00E-03	5.54E-02	1.46E-03	9.42E-08	7.40E-05	2.73E-05	1.56E-03
914	490386.72	3860935.12	3.09E-03	1.12E-07	7.33E-05	2.69E-05	3.19E-03	1.46E-03	4.61E-02	5.50E-03	9.88E-04	5.41E-02	1.38E-03	9.19E-08	7.33E-05	2.69E-05	1.48E-03
915	490436.72	3860935.12	3.25E-03	1.10E-07	7.41E-05	2.66E-05	3.35E-03	1.53E-03	4.51E-02	5.56E-03	9.77E-04	5.32E-02	1.46E-03	8.99E-08	7.41E-05	2.66E-05	1.56E-03
916	490486.72	3860935.12	3.29E-03	1.07E-07	7.39E-05	2.55E-05	3.39E-03	1.55E-03	4.42E-02	5.54E-03	9.36E-04	5.22E-02	1.47E-03	8.81E-08	7.39E-05	2.55E-05	1.57E-03
917	490536.72	3860935.12	3.30E-03	1.06E-07	7.06E-05	2.42E-05	3.40E-03	1.56E-03	4.35E-02	5.30E-03	8.87E-04	5.12E-02	1.48E-03	8.66E-08	7.06E-05	2.42E-05	1.58E-03
918	490586.72	3860935.12	3.23E-03	1.04E-07	6.53E-05	2.36E-05	3.32E-03	1.53E-03	4.28E-02	4.90E-03	8.64E-04	5.01E-02	1.45E-03	8.53E-08	6.53E-05	2.36E-05	1.54E-03
919	490636.72	3860935.12	3.11E-03	1.01E-07	6.65E-05	2.39E-05	3.20E-03	1.46E-03	4.17E-02	4.99E-03	8.78E-04	4.90E-02	1.39E-03	8.30E-08	6.65E-05	2.39E-05	1.48E-03
920	490686.72	3860935.12	3.14E-03	1.01E-07	6.49E-05	2.42E-05	3.23E-03	1.48E-03	4.17E-02	4.87E-03	8.87E-04	4.89E-02	1.41E-03	8.31E-08	6.49E-05	2.42E-05	1.50E-03
921	490736.72	3860935.12	3.10E-03	1.01E-07	6.13E-05	2.36E-05	3.19E-03	1.46E-03	4.16E-02	4.59E-03	8.64E-04	4.85E-02	1.39E-03	8.29E-08	6.13E-05	2.36E-05	1.48E-03
922	490786.72	3860935.12	3.01E-03	1.01E-07	6.33E-05	2.29E-05	3.10E-03	1.42E-03	4.14E-02	4.75E-03	8.40E-04	4.84E-02	1.35E-03	8.25E-08	6.33E-05	2.29E-05	1.44E-03
923	490836.72	3860935.12	3.02E-03	1.00E-07	6.01E-05	2.23E-05	3.10E-03	1.42E-03	4.13E-02	4.51E-03	8.19E-04	4.81E-02	1.35E-03	8.23E-08	6.01E-05	2.23E-05	1.44E-03
924	490086.72	3860985.12	2.93E-03	1.21E-07	8.09E-05	2.99E-05	3.04E-03	1.38E-03	5.00E-02	6.07E-03	1.10E-03	5.85E-02	1.32E-03	9.95E-08	8.09E-05	2.99E-05	1.43E-03
925	490136.72	3860985.12	2.88E-03	1.20E-07	8.25E-05	2.98E-05	2.99E-03	1.36E-03	4.95E-02	6.19E-03	1.09E-03	5.81E-02	1.29E-03	9.86E-08	8.25E-05	2.98E-05	1.40E-03
926	490186.72	3860985.12	2.99E-03	1.19E-07	8.36E-05	2.99E-05	3.11E-03	1.41E-03	4.89E-02	6.27E-03	1.10E-03	5.77E-02	1.34E-03	9.74E-08	8.36E-05	2.99E-05	1.46E-03
927	490236.72	3860985.12	3.14E-03	1.16E-07	8.35E-05	3.01E-05	3.26E-03	1.48E-03	4.79E-02	6.26E-03	1.10E-03	5.68E-02	1.41E-03	9.55E-08	8.35E-05	3.01E-05	1.52E-03
928	490286.72	3860985.12	3.29E-03	1.14E-07	8.07E-05	2.97E-05	3.41E-03	1.55E-03	4.69E-02	6.05E-03	1.09E-03	5.56E-02	1.48E-03	9.34E-08	8.07E-05	2.97E-05	1.59E-03
929	490336.72	3860985.12	3.27E-03	1.14E-07	7.62E-05	2.79E-05	3.38E-03	1.54E-03	4.69E-02	5.71E-03	1.02E-03	5.52E-02	1.47E-03	9.34E-08	7.62E-05	2.79E-05	1.57E-03
930	490386.72	3860985.12	3.20E-03	1.13E-07	7.32E-05	2.74E-05	3.30E-03	1.51E-03	4.64E-02	5.49E-03	1.01E-03	5.45E-02	1.43E-03	9.25E-08	7.32E-05	2.74E-05	1.53E-03
931	490436.72	3860985.12	3.05E-03	1.11E-07	7.35E-05	2.72E-05	3.15E-03	1.44E-03	4.57E-02	5.51E-03	9.96E-04	5.36E-02	1.37E-03	9.10E-08	7.35E-05	2.72E-05	1.47E-03
932	490486.72	3860985.12	3.20E-03	1.06E-07	7.40E-05	2.67E-05	3.30E-03	1.51E-03	4.38E-02	5.55E-03	9.80E-04	5.19E-02	1.43E-03	8.73E-08	7.40E-05	2.67E-05	1.54E-03
933	490536.72	3860985.12	3.22E-03	1.05E-07	7.36E-05	2.56E-05	3.32E-03	1.52E-03	4.31E-02	5.52E-03	9.38E-04	5.11E-02	1.44E-03	8.58E-08	7.36E-05	2.56E-05	1.54E-03
934	490586.72	3860985.12	3.23E-03	1.03E-07	6.95E-05	2.43E-05	3.32E-03	1.52E-03	4.26E-02	5.21E-03	8.91E-04	5.03E-02	1.45E-03	8.49E-08	6.95E-05	2.43E-05	1.54E-03
935	490636.72	3860985.12	3.18E-03	1.01E-07	6.44E-05	2.32E-05	3.27E-03	1.50E-03	4.16E-02	4.83E-03	8.52E-04	4.88E-02	1.43E-03	8.30E-08	6.44E-05	2.32E-05	1.51E-03
936	490686.72	3860985.12	3.05E-03	9.82E-08	6.58E-05	2.37E-05	3.14E-03	1.44E-03	4.04E-02	4.93E-03	8.68E-04	4.77E-02	1.37E-03	8.05E-08	6.58E-05	2.37E-05	1.46E-03
937	490736.72	3860985.12	3.08E-03	9.64E-08	6.43E-05	2.40E-05	3.17E-03	1.45E-03	3.97E-02	4.82E-03	8.81E-04	4.69E-02	1.38E-03	7.91E-08	6.43E-05	2.40E-05	1.47E-03
938	490786.72	3860985.12	3.06E-03	9.54E-08	6.06E-05	2.37E-05	3.14E-03	1.44E-03	3.93E-02	4.55E-03	8.68E-04	4.62E-02	1.37E-03	7.83E-08	6.06E-05	2.37E-05	1.46E-03
939	490836.72	3860985.12	2.97E-03	9.47E-08	6.22E-05	2.31E-05	3.05E-03	1.40E-03	3.90E-02	4.66E-03	8.48E-04	4.59E-02	1.33E-03	7.77E-08	6.22E-05	2.31E-05	1.42E-03
940	490086.72	3861035.12	2.90E-03	1.19E-07	7.86E-05	2.87E-05	3.01E-03	1.37E-03	4.90E-02	5.90E-03	1.05E-03	5.74E-02	1.30E-03	9.77E-08	7.86E-05	2.87E-05	1.41E-03
941	490136.72	3861035.12	2.89E-03	1.16E-07	8.05E-05	2.92E-05	3.00E-03	1.36E-03	4.76E-02	6.04E-03	1.07E-03	5.61E-02	1.30E-03	9.49E-08	8.05E-05	2.92E-05	1.40E-03
942	490186.72	3861035.12	2.84E-03	1.15E-07	8.19E-05	2.92E-05	2.95E-03	1.34E-03	4.75E-02	6.14E-03	1.07E-03	5.60E-02	1.27E-03	9.46E-08	8.19E-05	2.92E-05	1.38E-03
943	490236.72	3861035.12	2.95E-03	1.14E-07	8.28E-05	2.93E-05	3.06E-03	1.39E-03	4.72E-02	6.21E-03	1.07E-03	5.58E-02	1.32E-03	9.39E-08	8.28E-05	2.93E-05	1.43E-03
944	490286.72	3861035.12	3.11E-03	1.13E-07	8.33E-05	2.94E-05	3.22E-03	1.47E-03	4.65E-02	6.24E-03	1.08E-03	5.53E-02	1.39E-03	9.26E-08	8.33E-05	2.94E-05	1.51E-03
945	490336.72	3861035.12	3.24E-03	1.11E-07	7.85E-05	2.92E-05	3.35E-03	1.53E-03	4.57E-02	5.89E-03	1.07E-03	5.42E-02	1.45E-03	9.10E-08	7.85E-05	2.92E-05	1.56E-03
946	490386.72	3861035.12	3.21E-03	1.09E-07	7.43E-05	2.80E-05	3.31E-03	1.51E-03	4.49E-02	5.57E-03	1.03E-03	5.30E-02	1.44E-03	8.95E-08	7.43E-05	2.80E-05	1.54E-03
947	490436.72	3861035.12	3.14E-03	1.07E-07	7.38E-05	2.77E-05	3.24E-03	1.48E-03	4.41E-02	5.53E-03	1.02E-03	5.21E-02	1.41E-03	8.78E-08	7.38E-05	2.77E-05	1.51E-03
948	490486.72	3861035.12	3.00E-03	1.06E-07	7.35E-05	2.73E-05	3.10E-03	1.42E-03	4.38E-02	5.52E-03	1.00E-03	5.17E-02	1.35E-03	8.72E-08	7.35E-05	2.73E-05	1.45E-03
949	490536.72	3861035.12	3.15E-03	1.04E-07	7.38E-05	2.66E-05	3.25E-03	1.49E-03	4.30E-02	5.54E-03	9.76E-04	5.10E-02	1.41E-03	8.56E-08	7.38E-05	2.66E-05	1.51E-03
950	490586.72	3861035.12	3.15E-03	1.00E-07	7.32E-05	2.55E-05	3.25E-03	1.49E-03	4.13E-02	5.49E-03	9.35E-04	4.92E-02	1.41E-03	8.23E-08	7.32E-05	2.55E-05	1.51E-03
951	490636.72	3861035.12	3.16E-03	9.93E-08	6.71E-05	2.43E-05	3.26E-03	1.49E-03	4.09E-02	5.03E-03	8.93E-04	4.83E-02	1.42E-03	8.15E-08	6.71E-05	2.43E-05	1.51E-03
952	490686.72	3861035.12	3.12E-03	9.76E-08	6.35E-05	2.32E-05	3.21E-03	1.47E-03	4.02E-02	4.76E-03	8.51E-04	4.73E-02	1.40E-03	8.01E-08	6.35E-05	2.32E-05	1.49E-03
953	490736.72	3861035.12	3.00E-03	9.60E-08	6.50E-05	2.33E-05	3.08E-03	1.41E-03	3.96E-02	4.87E-03	8.55E-04	4.67E-02	1.34E-03	7.88E-08	6.50E-05	2.33E-05	1.43E-03
954	490786.72	3861035.12	3.03E-03	9.50E-08	6.36E-05	2.37E-05	3.12E-03	1.43E-03	3.91E-02	4.77E-03	8.70E-04	4.62E-02	1.36E-03	7.80E-08	6.36E-05	2.37E-05	1.45E-03
955	490836.72	3861035.12	3.01E-03	9.41E-08	6.00E-05	2.39E-05	3.10E-03	1.42E-03	3.88E-02	4.50E-03	8.76E-04	4.56E-02	1.35E-03	7.72E-08	6.00E-05	2.39E-05	1.44E-03
956	490086.72	3861085.12	2.80E-03	1.20E-07	7.63E-05	2.86E-05	2.91E-03	1.32E-03	4.92E-02	5.72E-03	1.05E-03	5.73E-02	1.26E-03	9.81E-08	7.63E-05	2.86E-05	1.36E-03
957	490136.72	3861085.12	2.87E-03	1.16E-07	7.84E-05	2.79E-05	2.98E-03	1.35E-03	4.79E-02	5.88E-03	1.02E-03	5.61E-02	1.29E-03	9.54E-08	7.84E-05	2.79E-05	1.39E-03
958	490186.72	3861085.12	2.85E-03	1.13E-07	8.02E-05	2.87E-05	2.96E-03	1.34E-03	4.66E-02	6.01E-03	1.05E-03	5.50E-02	1.28E-03	9.29E-08	8.02E-05	2.87E-05	1.39E-03
959	490236.72	3861085.12	2.81E-03	1.11E-07	8.13E-05	2.87E-05	2.92E-03	1.33E-03	4.55E-02	6.10E-03	1.05E-03	5.40E-02	1.26E-03	9.07E-08	8.13E-05	2.87E-05	1.37E-03
960	490286.72	3861085.12	2.91E-03	1.10E-07	8.21E-05	2.86E-05	3.02E-03	1.37E-03	4.54E-02	6.16E-03	1.05E-03	5.39E-02	1.30E-03	9.04E-08	8.21E-05	2.86E-05	1.41E-03
961	490336.72	3861085.12	3.08E-03	1.08E-07	8.11E-05	2.86E-05	3.19E-03	1.45E-03	4.46E-02	6.08E-03	1.05E-03	5.32E-02	1.38E-03	8.89E-08	8.11E-05	2.86E-05	1.49E-03
962	490386.72	3861085.12	3.20E-03	1.07E-07	7.66E-05	2.85E-05	3.31E-03	1.51E-03	4.39E-02	5.75E-03	1.04E-03	5.22E-02	1.44E-03	8.74E-08	7.66E-05	2.85E-05	1.54E-03
963	490436.72	3861085.12	3.15E-03	1.05E-07	7.25E-05	2.80E-05	3.25E-03	1.48E-03	4.32E-02	5.44E-03	1.03E-03	5.11E-02	1.41E-03	8.60E-08	7.25E-05	2.80E-05	1.51E-03
964	490486.72	3861085.12	3.08E-03	1.03E-07	7.25E-05	2.77E-05	3.18E-03	1.45E-03	4.25E-02	5.44E-03	1.02E-03	5.04E-02	1.38E-03	8.46E-08	7.25E-05	2.77E-05	1.48E-03
965	490536.72	3861085.12	2.96E-03	1.02E-07	7.35E-05	2.72E-05	3.06E-03	1.40E-03	4.19E-02	5.51E-03	9.96E-04	4.98E-02	1.33E-03	8.34E-08	7.35E-05	2.72E-05	1.43E-03
966	490586.72	3861085.12	3.09E-03	1.00E-07	7.36E-05	2.63E-05	3.19E-03	1.46E-03	4.13E-02	5.52E-03	9.64E-04	4.93E-02	1.39E-03	8.24E-08	7.36E-05	2.63E-05	1.49E-03
967	490636.72	3861085.12	3.09E-03	9.82E-08	7.26E-05	2.53E-05	3.19E-03	1.46E-03	4.05E-02	5.45E-03	9.27E-04	4.83E-02	1.38E-03	8.06E-08	7.26E-05	2.53E-05	1.48E-03
968	490686.72	3861085.12	3.10E-03	9.60E-08	6.46E-05	2.43E-05	3.19E-03	1.46E-03	3.95E-02	4.85E-03	8.90E-04	4.67E-02	1.39E-03	7.88E-08	6.46E-05	2.43E-05	1.48E-03
969	490736.72	3861085.12	3.07E-03	9.45E-08	6.27E-05	2.33E-05	3.15E-03	1.45E-03	3.89E-02	4.70E-03	8.53E-04	4.59E-02	1.38E-03	7.76E-08	6.27E-05	2.33E-05	1.46E-03
970	490786.72	3861085.12	2.95E-03	9.40E-08	6.43E-05	2.30E-05	3.03E-03	1.39E-03	3.87E-02	4.82E-03	8.42E-04	4.58E-02	1.32E-03	7.71E-08	6.43E-05	2.30E-05	1.41E-03
971	490836.72	3861085.12	2.98E-03	9.35E-08	6.29E-05	2.34E-05	3.07E-03	1.41E-03	3.85E-02	4.72E-03	8.58E-04	4.55E-02	1.34E-03	7.67E-08	6.29E-05	2.34E-05	1.42E-03
972	490086.72	3861135.12	2.80E-03	1.18E-07	7.38E-05	2.89E-05	2.90E-03	1.32E-03	4.88E-02	5.53E-03	1.06E-03	5.67E-02	1.25E-03	9.72E-08	7.38E-05	2.89E-05	1.36E-03

973	490136.72	3861135.12	2.77E-03	1.16E-07	7.61E-05	2.85E-05	2.87E-03	1.31E-03	4.79E-02	5.71E-03	1.05E-03	5.59E-02	1.24E-03	9.54E-08	7.61E-05	2.85E-05	1.35E-03
974	490186.72	3861135.12	2.83E-03	1.13E-07	7.81E-05	2.77E-05	2.94E-03	1.34E-03	4.67E-02	5.86E-03	1.02E-03	5.49E-02	1.27E-03	9.29E-08	7.81E-05	2.77E-05	1.38E-03
975	490236.72	3861135.12	2.81E-03	1.10E-07	7.96E-05	2.79E-05	2.91E-03	1.32E-03	4.55E-02	5.97E-03	1.02E-03	5.38E-02	1.26E-03	9.06E-08	7.96E-05	2.79E-05	1.37E-03
976	490286.72	3861135.12	2.79E-03	1.07E-07	8.07E-05	2.80E-05	2.89E-03	1.31E-03	4.43E-02	6.05E-03	1.03E-03	5.27E-02	1.25E-03	8.82E-08	8.07E-05	2.80E-05	1.36E-03
977	490336.72	3861135.12	2.88E-03	1.06E-07	8.13E-05	2.80E-05	2.99E-03	1.36E-03	4.35E-02	6.10E-03	1.03E-03	5.20E-02	1.29E-03	8.67E-08	8.13E-05	2.80E-05	1.40E-03
978	490386.72	3861135.12	3.05E-03	1.04E-07	7.90E-05	2.82E-05	3.16E-03	1.44E-03	4.28E-02	5.93E-03	1.04E-03	5.12E-02	1.37E-03	8.52E-08	7.90E-05	2.82E-05	1.48E-03
979	490436.72	3861135.12	3.16E-03	1.02E-07	7.46E-05	2.82E-05	3.27E-03	1.49E-03	4.20E-02	5.60E-03	1.04E-03	5.01E-02	1.42E-03	8.36E-08	7.46E-05	2.82E-05	1.52E-03
980	490486.72	3861135.12	3.08E-03	1.01E-07	7.10E-05	2.75E-05	3.18E-03	1.45E-03	4.15E-02	5.32E-03	1.01E-03	4.93E-02	1.38E-03	8.26E-08	7.10E-05	2.75E-05	1.48E-03
981	490536.72	3861135.12	3.02E-03	9.98E-08	7.26E-05	2.71E-05	3.12E-03	1.42E-03	4.11E-02	5.44E-03	9.95E-04	4.90E-02	1.35E-03	8.19E-08	7.26E-05	2.71E-05	1.45E-03
982	490586.72	3861135.12	2.92E-03	9.87E-08	7.33E-05	2.66E-05	3.02E-03	1.37E-03	4.07E-02	5.50E-03	9.75E-04	4.85E-02	1.31E-03	8.10E-08	7.33E-05	2.66E-05	1.41E-03
983	490636.72	3861135.12	3.02E-03	9.75E-08	7.31E-05	2.58E-05	3.12E-03	1.43E-03	4.02E-02	5.49E-03	9.47E-04	4.80E-02	1.36E-03	8.00E-08	7.31E-05	2.58E-05	1.45E-03
984	490686.72	3861135.12	3.03E-03	9.64E-08	7.05E-05	2.50E-05	3.12E-03	1.43E-03	3.97E-02	5.29E-03	9.18E-04	4.73E-02	1.36E-03	7.91E-08	7.05E-05	2.50E-05	1.45E-03
985	490736.72	3861135.12	3.04E-03	9.46E-08	6.25E-05	2.42E-05	3.13E-03	1.43E-03	3.90E-02	4.69E-03	8.87E-04	4.60E-02	1.36E-03	7.76E-08	6.25E-05	2.42E-05	1.45E-03
986	490786.72	3861135.12	3.02E-03	9.28E-08	6.19E-05	2.33E-05	3.11E-03	1.42E-03	3.82E-02	4.65E-03	8.54E-04	4.51E-02	1.35E-03	7.61E-08	6.19E-05	2.33E-05	1.44E-03
987	490836.72	3861135.12	2.90E-03	9.11E-08	6.37E-05	2.26E-05	2.98E-03	1.37E-03	3.75E-02	4.77E-03	8.28E-04	4.45E-02	1.30E-03	7.47E-08	6.37E-05	2.26E-05	1.39E-03
988	490086.72	3861185.12	2.78E-03	1.10E-07	7.12E-05	2.86E-05	2.88E-03	1.31E-03	4.54E-02	5.34E-03	1.05E-03	5.31E-02	1.25E-03	9.03E-08	7.12E-05	2.86E-05	1.35E-03
989	490136.72	3861185.12	2.76E-03	1.12E-07	7.37E-05	2.87E-05	2.86E-03	1.30E-03	4.62E-02	5.53E-03	1.05E-03	5.41E-02	1.24E-03	9.20E-08	7.37E-05	2.87E-05	1.34E-03
990	490186.72	3861185.12	2.73E-03	1.13E-07	7.58E-05	2.79E-05	2.84E-03	1.29E-03	4.64E-02	5.69E-03	1.02E-03	5.44E-02	1.23E-03	9.24E-08	7.58E-05	2.79E-05	1.33E-03
991	490236.72	3861185.12	2.79E-03	1.10E-07	7.76E-05	2.76E-05	2.89E-03	1.32E-03	4.52E-02	5.82E-03	1.01E-03	5.34E-02	1.25E-03	9.01E-08	7.76E-05	2.76E-05	1.36E-03
992	490286.72	3861185.12	2.76E-03	1.07E-07	7.91E-05	2.71E-05	2.87E-03	1.30E-03	4.41E-02	5.93E-03	9.93E-04	5.23E-02	1.24E-03	8.79E-08	7.91E-05	2.71E-05	1.34E-03
993	490336.72	3861185.12	2.75E-03	1.04E-07	7.99E-05	2.72E-05	2.86E-03	1.30E-03	4.29E-02	5.99E-03	9.99E-04	5.12E-02	1.23E-03	8.54E-08	7.99E-05	2.72E-05	1.34E-03
994	490386.72	3861185.12	2.85E-03	1.02E-07	8.04E-05	2.73E-05	2.96E-03	1.34E-03	4.19E-02	6.03E-03	1.00E-03	5.03E-02	1.28E-03	8.34E-08	8.04E-05	2.73E-05	1.39E-03
995	490436.72	3861185.12	3.02E-03	9.99E-08	7.69E-05	2.76E-05	3.12E-03	1.42E-03	4.12E-02	5.77E-03	1.01E-03	4.94E-02	1.35E-03	8.20E-08	7.69E-05	2.76E-05	1.46E-03
996	490486.72	3861185.12	3.12E-03	9.77E-08	7.27E-05	2.78E-05	3.22E-03	1.47E-03	4.03E-02	5.45E-03	1.02E-03	4.82E-02	1.40E-03	8.02E-08	7.27E-05	2.78E-05	1.50E-03
997	490536.72	3861185.12	3.03E-03	9.77E-08	7.13E-05	2.69E-05	3.13E-03	1.43E-03	4.03E-02	5.35E-03	9.87E-04	4.80E-02	1.36E-03	8.02E-08	7.13E-05	2.69E-05	1.46E-03
998	490586.72	3861185.12	2.97E-03	9.70E-08	7.26E-05	2.65E-05	3.06E-03	1.40E-03	4.00E-02	5.44E-03	9.73E-04	4.78E-02	1.33E-03	7.96E-08	7.26E-05	2.65E-05	1.43E-03
999	490636.72	3861185.12	2.87E-03	9.60E-08	7.30E-05	2.60E-05	2.97E-03	1.35E-03	3.95E-02	5.48E-03	9.52E-04	4.73E-02	1.29E-03	7.88E-08	7.30E-05	2.60E-05	1.39E-03
1000	490686.72	3861185.12	2.96E-03	9.52E-08	7.28E-05	2.54E-05	3.06E-03	1.40E-03	3.92E-02	5.46E-03	9.32E-04	4.70E-02	1.33E-03	7.81E-08	7.28E-05	2.54E-05	1.43E-03
1001	490736.72	3861185.12	2.97E-03	9.44E-08	6.86E-05	2.48E-05	3.06E-03	1.40E-03	3.89E-02	5.15E-03	9.09E-04	4.64E-02	1.33E-03	7.75E-08	6.86E-05	2.48E-05	1.43E-03
1002	490786.72	3861185.12	2.99E-03	9.12E-08	6.07E-05	2.41E-05	3.07E-03	1.41E-03	3.76E-02	4.55E-03	8.82E-04	4.44E-02	1.34E-03	7.48E-08	6.07E-05	2.41E-05	1.42E-03
1003	490836.72	3861185.12	2.97E-03	9.00E-08	6.13E-05	2.33E-05	3.06E-03	1.40E-03	3.71E-02	4.59E-03	8.53E-04	4.39E-02	1.33E-03	7.38E-08	6.13E-05	2.33E-05	1.42E-03
1004	490086.72	3861235.12	2.77E-03	1.05E-07	6.72E-05	2.71E-05	2.87E-03	1.31E-03	4.33E-02	5.04E-03	9.94E-04	5.07E-02	1.24E-03	8.63E-08	6.72E-05	2.71E-05	1.34E-03
1005	490136.72	3861235.12	2.74E-03	1.04E-07	7.12E-05	2.72E-05	2.84E-03	1.29E-03	4.27E-02	5.34E-03	9.99E-04	5.04E-02	1.23E-03	8.51E-08	7.12E-05	2.72E-05	1.33E-03
1006	490186.72	3861235.12	2.71E-03	1.06E-07	7.36E-05	2.85E-05	2.81E-03	1.28E-03	4.38E-02	5.52E-03	1.05E-03	5.16E-02	1.21E-03	8.72E-08	7.36E-05	2.85E-05	1.32E-03
1007	490236.72	3861235.12	2.70E-03	1.08E-07	7.55E-05	2.70E-05	2.80E-03	1.27E-03	4.46E-02	5.66E-03	9.91E-04	5.25E-02	1.21E-03	8.88E-08	7.55E-05	2.70E-05	1.31E-03
1008	490386.72	3861235.12	2.72E-03	1.00E-07	7.91E-05	2.66E-05	2.83E-03	1.28E-03	4.13E-02	5.93E-03	9.77E-04	4.95E-02	1.22E-03	8.22E-08	7.91E-05	2.66E-05	1.33E-03
1009	490436.72	3861235.12	2.82E-03	9.77E-08	7.90E-05	2.67E-05	2.92E-03	1.33E-03	4.02E-02	5.93E-03	9.79E-04	4.85E-02	1.26E-03	8.01E-08	7.90E-05	2.67E-05	1.37E-03
1010	490486.72	3861235.12	2.98E-03	9.62E-08	7.47E-05	2.69E-05	3.08E-03	1.40E-03	3.97E-02	5.60E-03	9.88E-04	4.76E-02	1.34E-03	7.90E-08	7.47E-05	2.69E-05	1.44E-03
1011	490536.72	3861235.12	3.06E-03	9.56E-08	7.08E-05	2.70E-05	3.15E-03	1.44E-03	3.94E-02	5.31E-03	9.90E-04	4.71E-02	1.37E-03	7.85E-08	7.08E-05	2.70E-05	1.47E-03
1012	490586.72	3861235.12	2.97E-03	9.44E-08	7.11E-05	2.63E-05	3.07E-03	1.40E-03	3.89E-02	5.33E-03	9.64E-04	4.66E-02	1.33E-03	7.75E-08	7.11E-05	2.63E-05	1.43E-03
1013	490636.72	3861235.12	2.90E-03	9.36E-08	7.24E-05	2.58E-05	3.00E-03	1.37E-03	3.86E-02	5.43E-03	9.47E-04	4.63E-02	1.30E-03	7.68E-08	7.24E-05	2.58E-05	1.40E-03
1014	490686.72	3861235.12	2.83E-03	9.32E-08	7.27E-05	2.54E-05	2.93E-03	1.33E-03	3.84E-02	5.46E-03	9.33E-04	4.61E-02	1.27E-03	7.65E-08	7.27E-05	2.54E-05	1.37E-03
1015	490736.72	3861235.12	2.91E-03	9.28E-08	7.24E-05	2.50E-05	3.00E-03	1.37E-03	3.83E-02	5.43E-03	9.18E-04	4.60E-02	1.30E-03	7.62E-08	7.24E-05	2.50E-05	1.40E-03
1016	490786.72	3861235.12	2.92E-03	9.24E-08	6.68E-05	2.45E-05	3.01E-03	1.38E-03	3.81E-02	5.01E-03	8.99E-04	4.54E-02	1.31E-03	7.58E-08	6.68E-05	2.45E-05	1.40E-03
1017	490836.72	3861235.12	2.93E-03	8.96E-08	5.96E-05	2.39E-05	3.02E-03	1.38E-03	3.69E-02	4.47E-03	8.75E-04	4.36E-02	1.31E-03	7.35E-08	5.96E-05	2.39E-05	1.40E-03
1018	490086.72	3861285.12	2.89E-03	1.05E-07	6.10E-05	2.72E-05	2.98E-03	1.36E-03	4.31E-02	4.58E-03	9.97E-04	5.00E-02	1.30E-03	8.59E-08	6.10E-05	2.72E-05	1.38E-03
1019	490136.72	3861285.12	2.72E-03	1.03E-07	6.89E-05	2.68E-05	2.82E-03	1.28E-03	4.23E-02	5.17E-03	9.81E-04	4.97E-02	1.22E-03	8.42E-08	6.89E-05	2.68E-05	1.32E-03
1020	490186.72	3861285.12	2.71E-03	9.92E-08	7.13E-05	2.67E-05	2.80E-03	1.28E-03	4.09E-02	5.35E-03	9.81E-04	4.85E-02	1.21E-03	8.14E-08	7.13E-05	2.67E-05	1.31E-03
1021	490236.72	3861285.12	2.66E-03	1.01E-07	7.34E-05	2.73E-05	2.76E-03	1.26E-03	4.14E-02	5.51E-03	1.00E-03	4.92E-02	1.19E-03	8.25E-08	7.34E-05	2.73E-05	1.30E-03
1022	490386.72	3861285.12	2.66E-03	9.93E-08	7.77E-05	2.63E-05	2.77E-03	1.26E-03	4.09E-02	5.83E-03	9.65E-04	4.90E-02	1.19E-03	8.15E-08	7.77E-05	2.63E-05	1.30E-03
1023	490436.72	3861285.12	2.69E-03	9.68E-08	7.84E-05	2.62E-05	2.80E-03	1.27E-03	3.99E-02	5.88E-03	9.59E-04	4.80E-02	1.21E-03	7.94E-08	7.84E-05	2.62E-05	1.31E-03
1024	490486.72	3861285.12	2.79E-03	9.43E-08	7.70E-05	2.61E-05	2.90E-03	1.32E-03	3.88E-02	5.77E-03	9.56E-04	4.69E-02	1.25E-03	7.74E-08	7.70E-05	2.61E-05	1.36E-03
1025	490536.72	3861285.12	2.94E-03	9.21E-08	7.27E-05	2.64E-05	3.04E-03	1.39E-03	3.79E-02	5.46E-03	9.66E-04	4.57E-02	1.32E-03	7.56E-08	7.27E-05	2.64E-05	1.42E-03
1026	490586.72	3861285.12	2.98E-03	9.29E-08	6.95E-05	2.58E-05	3.07E-03	1.40E-03	3.83E-02	5.22E-03	9.46E-04	4.58E-02	1.34E-03	7.62E-08	6.95E-05	2.58E-05	1.43E-03
1027	490636.72	3861285.12	2.89E-03	9.11E-08	7.11E-05	2.55E-05	2.99E-03	1.37E-03	3.75E-02	5.33E-03	9.35E-04	4.52E-02	1.30E-03	7.48E-08	7.11E-05	2.55E-05	1.39E-03
1028	490686.72	3861285.12	2.84E-03	9.02E-08	7.22E-05	2.52E-05	2.94E-03	1.34E-03	3.72E-02	5.41E-03	9.26E-04	4.49E-02	1.28E-03	7.41E-08	7.22E-05	2.52E-05	1.37E-03
1029	490736.72	3861285.12	2.80E-03	9.05E-08	7.25E-05	2.50E-05	2.89E-03	1.32E-03	3.73E-02	5.44E-03	9.18E-04	4.50E-02	1.25E-03	7.43E-08	7.25E-05	2.50E-05	1.35E-03
1030	490786.72	3861285.12	2.85E-03	9.03E-08	7.20E-05	2.46E-05	2.95E-03	1.35E-03	3.72E-02	5.40E-03	9.03E-04	4.48E-02	1.28E-03	7.41E-08	7.20E-05	2.46E-05	1.38E-03
1031	490836.72	3861285.12	2.86E-03	8.98E-08	6.50E-05	2.41E-05	2.95E-03	1.35E-03	3.70E-02	4.87E-03	8.84E-04	4.41E-02	1.28E-03	7.37E-08	6.50E-05	2.41E-05	1.37E-03
1032	490061.24	3859716.13	4.62E-03	1.77E-07	9.74E-05	2.79E-05	4.74E-03	2.18E-03	7.28E-02	7.30E-03	1.02E-03	8.33E-02	2.07E-03	1.45E-07	9.74E-05	2.79E-05	2.20E-03
1033	490111.24	3859716.13	4.61E-03	1.73E-07	8.96E-05	2.78E-05	4.73E-03	2.18E-03	7.11E-02	6.72E-03	1.02E-03	8.10E-02	2.07E-03	1.42E-07	8.96E-05	2.78E-05	2.19E-03

1034	490161.24	3859716.13	4.49E-03	1.69E-07	8.77E-05	2.79E-05	4.61E-03	2.12E-03	6.95E-02	6.57E-03	1.02E-03	7.92E-02	2.02E-03	1.38E-07	8.77E-05	2.79E-05	2.13E-03
1035	490211.24	3859716.13	4.18E-03	1.65E-07	8.18E-05	2.77E-05	4.29E-03	1.97E-03	6.79E-02	6.14E-03	1.02E-03	7.71E-02	1.88E-03	1.35E-07	8.18E-05	2.77E-05	1.99E-03
1036	490061.24	3859766.13	4.25E-03	1.77E-07	1.06E-04	2.86E-05	4.39E-03	2.01E-03	7.27E-02	7.95E-03	1.05E-03	8.37E-02	1.91E-03	1.45E-07	1.06E-04	2.86E-05	2.04E-03
1037	490111.24	3859766.13	4.47E-03	1.73E-07	9.99E-05	2.83E-05	4.60E-03	2.11E-03	7.12E-02	7.49E-03	1.04E-03	8.18E-02	2.01E-03	1.42E-07	9.99E-05	2.83E-05	2.13E-03
1038	490161.24	3859766.13	4.53E-03	1.69E-07	9.19E-05	2.80E-05	4.65E-03	2.13E-03	6.95E-02	6.90E-03	1.03E-03	7.96E-02	2.03E-03	1.38E-07	9.19E-05	2.80E-05	2.15E-03
1039	490211.24	3859766.13	4.41E-03	1.65E-07	8.66E-05	2.76E-05	4.53E-03	2.08E-03	6.80E-02	6.49E-03	1.01E-03	7.75E-02	1.98E-03	1.35E-07	8.66E-05	2.76E-05	2.09E-03
1040	490061.24	3859816.13	4.10E-03	1.76E-07	9.54E-05	2.94E-05	4.22E-03	1.93E-03	7.24E-02	7.16E-03	1.08E-03	8.25E-02	1.84E-03	1.44E-07	9.54E-05	2.94E-05	1.96E-03
1041	490111.24	3859816.13	4.11E-03	1.72E-07	1.04E-04	2.89E-05	4.24E-03	1.94E-03	7.08E-02	7.77E-03	1.06E-03	8.16E-02	1.84E-03	1.41E-07	1.04E-04	2.89E-05	1.98E-03
1042	490161.24	3859816.13	4.33E-03	1.67E-07	1.02E-04	2.85E-05	4.46E-03	2.04E-03	6.88E-02	7.63E-03	1.04E-03	7.96E-02	1.94E-03	1.37E-07	1.02E-04	2.85E-05	2.07E-03
1043	490211.24	3859816.13	4.44E-03	1.63E-07	9.43E-05	2.80E-05	4.56E-03	2.09E-03	6.72E-02	7.07E-03	1.03E-03	7.74E-02	1.99E-03	1.34E-07	9.43E-05	2.80E-05	2.11E-03
1044	490061.24	3859866.13	4.27E-03	1.78E-07	8.35E-05	3.08E-05	4.39E-03	2.02E-03	7.31E-02	6.26E-03	1.13E-03	8.26E-02	1.92E-03	1.46E-07	8.35E-05	3.08E-05	2.03E-03
1045	490111.24	3859866.13	4.04E-03	1.73E-07	9.32E-05	2.93E-05	4.16E-03	1.90E-03	7.13E-02	6.99E-03	1.08E-03	8.13E-02	1.81E-03	1.42E-07	9.32E-05	2.93E-05	1.93E-03
1046	490161.24	3859866.13	3.98E-03	1.68E-07	1.02E-04	2.85E-05	4.11E-03	1.88E-03	6.94E-02	7.62E-03	1.04E-03	8.00E-02	1.78E-03	1.38E-07	1.02E-04	2.85E-05	1.91E-03
1047	490211.24	3859866.13	4.19E-03	1.64E-07	1.04E-04	2.85E-05	4.33E-03	1.98E-03	6.75E-02	7.77E-03	1.04E-03	7.83E-02	1.88E-03	1.34E-07	1.04E-04	2.85E-05	2.01E-03
1048	490061.24	3859916.13	4.42E-03	1.76E-07	7.78E-05	3.70E-05	4.53E-03	2.08E-03	7.26E-02	5.83E-03	1.36E-03	8.19E-02	1.98E-03	1.45E-07	7.78E-05	3.70E-05	2.10E-03
1049	490111.24	3859916.13	4.22E-03	1.73E-07	8.17E-05	3.49E-05	4.34E-03	1.99E-03	7.15E-02	6.13E-03	1.28E-03	8.09E-02	1.89E-03	1.42E-07	8.17E-05	3.49E-05	2.01E-03
1050	490161.24	3859916.13	3.98E-03	1.69E-07	9.12E-05	3.49E-05	4.11E-03	1.88E-03	6.97E-02	6.84E-03	1.28E-03	7.97E-02	1.79E-03	1.39E-07	9.12E-05	3.49E-05	1.91E-03
1051	490211.24	3859916.13	3.85E-03	1.65E-07	9.94E-05	3.48E-05	3.98E-03	1.81E-03	6.79E-02	7.45E-03	1.28E-03	7.84E-02	1.73E-03	1.35E-07	9.94E-05	3.48E-05	1.86E-03
1052	490229.25	3859815.26	4.41E-03	1.62E-07	9.14E-05	2.79E-05	4.53E-03	2.08E-03	6.67E-02	6.85E-03	1.02E-03	7.66E-02	1.98E-03	1.33E-07	9.14E-05	2.79E-05	2.10E-03
1053	490279.25	3859815.26	4.29E-03	1.58E-07	8.51E-05	2.75E-05	4.41E-03	2.03E-03	6.51E-02	6.39E-03	1.01E-03	7.45E-02	1.93E-03	1.30E-07	8.51E-05	2.75E-05	2.04E-03
1054	490329.25	3859815.26	4.02E-03	1.54E-07	8.37E-05	2.76E-05	4.13E-03	1.90E-03	6.35E-02	6.27E-03	1.01E-03	7.27E-02	1.80E-03	1.27E-07	8.37E-05	2.76E-05	1.91E-03
1055	490379.25	3859815.26	3.98E-03	1.50E-07	8.10E-05	2.74E-05	4.08E-03	1.88E-03	6.20E-02	6.08E-03	1.01E-03	7.10E-02	1.78E-03	1.23E-07	8.10E-05	2.74E-05	1.89E-03
1056	490429.25	3859815.26	3.86E-03	1.48E-07	7.97E-05	2.68E-05	3.97E-03	1.82E-03	6.11E-02	5.98E-03	9.84E-04	6.99E-02	1.73E-03	1.22E-07	7.97E-05	2.68E-05	1.84E-03
1057	490229.25	3859865.26	4.27E-03	1.62E-07	1.01E-04	2.82E-05	4.40E-03	2.02E-03	6.68E-02	7.58E-03	1.04E-03	7.74E-02	1.92E-03	1.33E-07	1.01E-04	2.82E-05	2.05E-03
1058	490279.25	3859865.26	4.33E-03	1.57E-07	9.30E-05	2.78E-05	4.45E-03	2.04E-03	6.48E-02	6.97E-03	1.02E-03	7.49E-02	1.94E-03	1.29E-07	9.30E-05	2.78E-05	2.06E-03
1059	490329.25	3859865.26	4.22E-03	1.53E-07	8.41E-05	2.74E-05	4.33E-03	1.99E-03	6.29E-02	6.31E-03	1.00E-03	7.22E-02	1.89E-03	1.25E-07	8.41E-05	2.74E-05	2.01E-03
1060	490379.25	3859865.26	3.95E-03	1.50E-07	8.29E-05	2.71E-05	4.06E-03	1.86E-03	6.16E-02	6.22E-03	9.93E-04	7.07E-02	1.77E-03	1.23E-07	8.29E-05	2.71E-05	1.88E-03
1061	490429.25	3859865.26	3.91E-03	1.48E-07	8.11E-05	2.70E-05	4.02E-03	1.85E-03	6.09E-02	6.09E-03	9.90E-04	6.98E-02	1.76E-03	1.21E-07	8.11E-05	2.70E-05	1.86E-03
1062	490229.25	3859915.26	3.93E-03	1.63E-07	1.02E-04	3.43E-05	4.07E-03	1.85E-03	6.72E-02	7.67E-03	1.26E-03	7.80E-02	1.76E-03	1.34E-07	1.02E-04	3.43E-05	1.90E-03
1063	490279.25	3859915.26	4.14E-03	1.59E-07	1.02E-04	3.32E-05	4.27E-03	1.95E-03	6.54E-02	7.62E-03	1.22E-03	7.61E-02	1.85E-03	1.30E-07	1.02E-04	3.32E-05	1.99E-03
1064	490329.25	3859915.26	4.24E-03	1.54E-07	9.40E-05	3.22E-05	4.37E-03	2.00E-03	6.35E-02	7.05E-03	1.18E-03	7.37E-02	1.90E-03	1.26E-07	9.40E-05	3.22E-05	2.03E-03
1065	490379.25	3859915.26	4.15E-03	1.50E-07	8.56E-05	3.07E-05	4.27E-03	1.96E-03	6.16E-02	6.42E-03	1.13E-03	7.11E-02	1.86E-03	1.23E-07	8.56E-05	3.07E-05	1.98E-03
1066	490429.25	3859915.26	3.87E-03	1.48E-07	8.20E-05	2.92E-05	3.98E-03	1.83E-03	6.10E-02	6.15E-03	1.07E-03	7.00E-02	1.74E-03	1.21E-07	8.20E-05	2.92E-05	1.85E-03
1067	490451.43	3859872.59	3.89E-03	1.47E-07	8.04E-05	2.71E-05	3.99E-03	1.83E-03	6.06E-02	6.03E-03	9.93E-04	6.95E-02	1.74E-03	1.21E-07	8.04E-05	2.71E-05	1.85E-03
1068	490501.43	3859872.59	3.76E-03	1.45E-07	7.84E-05	2.69E-05	3.87E-03	1.77E-03	5.99E-02	5.88E-03	9.87E-04	6.85E-02	1.69E-03	1.19E-07	7.84E-05	2.69E-05	1.79E-03
1069	490551.43	3859872.59	3.73E-03	1.44E-07	8.05E-05	2.69E-05	3.84E-03	1.76E-03	5.92E-02	6.04E-03	9.88E-04	6.80E-02	1.67E-03	1.18E-07	8.05E-05	2.69E-05	1.78E-03
1070	490601.43	3859872.59	3.61E-03	1.41E-07	8.70E-05	2.70E-05	3.73E-03	1.70E-03	5.79E-02	6.52E-03	9.88E-04	6.71E-02	1.62E-03	1.15E-07	8.70E-05	2.70E-05	1.73E-03
1071	490451.43	3859922.59	3.86E-03	1.47E-07	8.14E-05	2.97E-05	3.97E-03	1.82E-03	6.08E-02	6.11E-03	1.09E-03	6.98E-02	1.73E-03	1.21E-07	8.14E-05	2.97E-05	1.84E-03
1072	490501.43	3859922.59	3.83E-03	1.46E-07	7.98E-05	2.83E-05	3.93E-03	1.80E-03	6.02E-02	5.98E-03	1.04E-03	6.90E-02	1.72E-03	1.20E-07	7.98E-05	2.83E-05	1.82E-03
1073	490551.43	3859922.59	3.73E-03	1.45E-07	7.80E-05	2.77E-05	3.83E-03	1.76E-03	5.95E-02	5.85E-03	1.01E-03	6.82E-02	1.67E-03	1.19E-07	7.80E-05	2.77E-05	1.78E-03
1074	490601.43	3859922.59	3.69E-03	1.43E-07	7.70E-05	2.78E-05	3.80E-03	1.74E-03	5.89E-02	5.77E-03	1.02E-03	6.74E-02	1.66E-03	1.17E-07	7.70E-05	2.78E-05	1.76E-03
1075	482129.67	3852241.07	5.05E-03	2.39E-08	1.57E-05	1.07E-05	5.07E-03	2.38E-03	9.86E-03	1.18E-03	3.92E-04	1.38E-02	2.26E-03	1.96E-08	1.57E-05	1.07E-05	2.29E-03
1076	482029.67	3852291.07	5.15E-03	2.50E-08	1.26E-05	1.09E-05	5.17E-03	2.43E-03	1.03E-02	9.43E-04	4.00E-04	1.41E-02	2.31E-03	2.05E-08	1.26E-05	1.09E-05	2.33E-03
1077	482079.67	3852291.07	5.16E-03	2.49E-08	1.36E-05	1.07E-05	5.18E-03	2.43E-03	1.03E-02	1.02E-03	3.92E-04	1.41E-02	2.31E-03	2.04E-08	1.36E-05	1.07E-05	2.34E-03
1078	482129.67	3852291.07	5.14E-03	2.45E-08	1.47E-05	1.08E-05	5.17E-03	2.43E-03	1.01E-02	1.10E-03	3.95E-04	1.40E-02	2.31E-03	2.01E-08	1.47E-05	1.08E-05	2.33E-03
1079	482179.67	3852291.07	5.12E-03	2.41E-08	1.58E-05	1.07E-05	5.15E-03	2.41E-03	9.94E-03	1.19E-03	3.92E-04	1.39E-02	2.30E-03	1.98E-08	1.58E-05	1.07E-05	2.32E-03
1080	482229.67	3852291.07	5.23E-03	2.30E-08	1.70E-05	1.06E-05	5.25E-03	2.46E-03	9.48E-03	1.28E-03	3.89E-04	1.36E-02	2.34E-03	1.89E-08	1.70E-05	1.06E-05	2.37E-03
1081	482029.67	3852341.07	5.32E-03	2.55E-08	1.17E-05	1.07E-05	5.34E-03	2.51E-03	1.05E-02	8.76E-04	3.94E-04	1.43E-02	2.39E-03	2.09E-08	1.17E-05	1.07E-05	2.41E-03
1082	482079.67	3852341.07	5.23E-03	2.52E-08	1.27E-05	1.09E-05	5.25E-03	2.47E-03	1.04E-02	9.50E-04	3.99E-04	1.42E-02	2.35E-03	2.07E-08	1.27E-05	1.09E-05	2.37E-03
1083	482129.67	3852341.07	5.23E-03	2.52E-08	1.37E-05	1.09E-05	5.25E-03	2.47E-03	1.04E-02	1.03E-03	3.99E-04	1.43E-02	2.34E-03	2.07E-08	1.37E-05	1.09E-05	2.37E-03
1084	482179.67	3852341.07	5.25E-03	2.49E-08	1.48E-05	1.08E-05	5.28E-03	2.48E-03	1.03E-02	1.11E-03	3.95E-04	1.42E-02	2.36E-03	2.04E-08	1.48E-05	1.08E-05	2.38E-03
1085	482259.06	3852400.14	5.37E-03	2.56E-08	1.55E-05	1.07E-05	5.39E-03	2.53E-03	1.05E-02	1.16E-03	3.93E-04	1.46E-02	2.41E-03	2.10E-08	1.55E-05	1.07E-05	2.43E-03
1086	482309.06	3852400.14	5.27E-03	2.38E-08	1.66E-05	1.08E-05	5.29E-03	2.48E-03	9.80E-03	1.25E-03	3.96E-04	1.39E-02	2.36E-03	1.95E-08	1.66E-05	1.08E-05	2.39E-03
1087	482209.06	3852450.14	5.43E-03	2.64E-08	1.33E-05	1.07E-05	5.45E-03	2.56E-03	1.09E-02	9.99E-04	3.91E-04	1.48E-02	2.44E-03	2.17E-08	1.33E-05	1.07E-05	2.46E-03
1088	482259.06	3852450.14	5.30E-03	2.62E-08	1.44E-05	1.07E-05	5.32E-03	2.50E-03	1.08E-02	1.08E-03	3.93E-04	1.48E-02	2.38E-03	2.15E-08	1.44E-05	1.07E-05	2.40E-03
1089	482309.06	3852450.14	5.47E-03	2.49E-08	1.55E-05	1.07E-05	5.49E-03	2.58E-03	1.02E-02	1.17E-03	3.93E-04	1.44E-02	2.45E-03	2.04E-08	1.55E-05	1.07E-05	2.48E-03
1090	482209.06	3852500.14	5.55E-03	2.70E-08	1.24E-05	1.09E-05	5.57E-03	2.62E-03	1.11E-02	9.27E-04	3.98E-04	1.51E-02	2.49E-03	2.21E-08	1.24E-05	1.09E-05	2.51E-03
1091	482259.06	3852500.14	5.52E-03	2.65E-08	1.34E-05	1.06E-05	5.55E-03	2.61E-03	1.09E-02	1.01E-03	3.90E-04	1.49E-02	2.48E-03	2.18E-08	1.34E-05	1.06E-05	2.50E-03
1092	482309.06	3852500.14	5.43E-03	2.59E-08	1.45E-05	1.08E-05	5.46E-03	2.56E-03	1.07E-02	1.09E-03	3.97E-04	1.47E-02	2.44E-03	2.13E-08	1.45E-05	1.08E-05	2.46E-03
1093	482283.91	3852513.62	5.50E-03	2.65E-08	1.37E-05	1.09E-05	5.53E-03	2.59E-03	1.09E-02	1.03E-03	4.00E-04	1.49E-02	2.47E-03	2.17E-08	1.37E-05	1.09E-05	2.49E-03
1094	482333.91	3852513.62	5.53E-03	2.57E-08	1.48E-05	1.08E-05	5.55E-03	2.61E-03	1.06E-02	1.11E-03	3.96E-04	1.47E-02	2.48E-03	2.11E-08	1.48E-05	1.08E-05	2.50E-03

1095	482283.91	3852563.62	5.65E-03	2.72E-08	1.27E-05	1.10E-05	5.67E-03	2.66E-03	1.12E-02	9.52E-04	4.03E-04	1.52E-02	2.53E-03	2.23E-08	1.27E-05	1.10E-05	2.56E-03
1096	482333.91	3852563.62	5.59E-03	2.67E-08	1.38E-05	1.09E-05	5.62E-03	2.64E-03	1.10E-02	1.03E-03	3.99E-04	1.51E-02	2.51E-03	2.19E-08	1.38E-05	1.09E-05	2.53E-03
1097	482383.91	3852563.62	5.63E-03	2.65E-08	1.49E-05	1.08E-05	5.66E-03	2.66E-03	1.09E-02	1.12E-03	3.95E-04	1.51E-02	2.53E-03	2.17E-08	1.49E-05	1.08E-05	2.55E-03
1098	482283.91	3852613.62	5.83E-03	2.76E-08	1.19E-05	1.11E-05	5.85E-03	2.75E-03	1.14E-02	8.89E-04	4.07E-04	1.54E-02	2.61E-03	2.27E-08	1.19E-05	1.11E-05	2.64E-03
1099	482333.91	3852613.62	5.74E-03	2.75E-08	1.28E-05	1.10E-05	5.77E-03	2.71E-03	1.13E-02	9.59E-04	4.03E-04	1.54E-02	2.58E-03	2.26E-08	1.28E-05	1.10E-05	2.60E-03
1100	482383.91	3852613.62	5.68E-03	2.71E-08	1.39E-05	1.09E-05	5.71E-03	2.68E-03	1.12E-02	1.04E-03	3.99E-04	1.53E-02	2.55E-03	2.22E-08	1.39E-05	1.09E-05	2.57E-03
1101	482602.38	3852600.87	5.74E-03	2.37E-08	1.91E-05	1.04E-05	5.77E-03	2.71E-03	9.76E-03	1.43E-03	3.81E-04	1.43E-02	2.57E-03	1.94E-08	1.91E-05	1.04E-05	2.60E-03
1102	482652.38	3852600.87	5.60E-03	2.42E-08	1.84E-05	1.08E-05	5.63E-03	2.64E-03	9.99E-03	1.38E-03	3.96E-04	1.44E-02	2.51E-03	1.99E-08	1.84E-05	1.08E-05	2.54E-03
1103	482702.38	3852600.87	5.66E-03	2.42E-08	1.75E-05	1.14E-05	5.69E-03	2.67E-03	9.96E-03	1.31E-03	4.19E-04	1.44E-02	2.54E-03	1.98E-08	1.75E-05	1.14E-05	2.57E-03
1104	482552.38	3852650.87	5.87E-03	2.56E-08	1.71E-05	1.05E-05	5.90E-03	2.77E-03	1.05E-02	1.28E-03	3.85E-04	1.50E-02	2.63E-03	2.10E-08	1.71E-05	1.05E-05	2.66E-03
1105	482602.38	3852650.87	5.99E-03	2.46E-08	1.83E-05	1.03E-05	6.02E-03	2.82E-03	1.01E-02	1.37E-03	3.79E-04	1.47E-02	2.69E-03	2.02E-08	1.83E-05	1.03E-05	2.71E-03
1106	482652.38	3852650.87	5.81E-03	2.51E-08	1.93E-05	1.08E-05	5.84E-03	2.74E-03	1.03E-02	1.44E-03	3.96E-04	1.49E-02	2.61E-03	2.06E-08	1.93E-05	1.08E-05	2.64E-03
1107	482702.38	3852650.87	5.69E-03	2.54E-08	1.86E-05	1.12E-05	5.72E-03	2.68E-03	1.05E-02	1.39E-03	4.11E-04	1.50E-02	2.55E-03	2.09E-08	1.86E-05	1.12E-05	2.58E-03
1108	482552.38	3852700.87	5.92E-03	2.67E-08	1.60E-05	1.06E-05	5.94E-03	2.79E-03	1.10E-02	1.20E-03	3.89E-04	1.54E-02	2.65E-03	2.19E-08	1.60E-05	1.06E-05	2.68E-03
1109	482602.38	3852700.87	6.01E-03	2.55E-08	1.73E-05	1.05E-05	6.04E-03	2.83E-03	1.05E-02	1.29E-03	3.83E-04	1.50E-02	2.70E-03	2.09E-08	1.73E-05	1.05E-05	2.72E-03
1110	482652.38	3852700.87	6.07E-03	2.76E-08	1.85E-05	1.07E-05	6.10E-03	2.86E-03	1.14E-02	1.38E-03	3.91E-04	1.60E-02	2.72E-03	2.26E-08	1.85E-05	1.07E-05	2.75E-03
1111	482702.38	3852700.87	5.87E-03	2.80E-08	1.94E-05	1.12E-05	5.90E-03	2.77E-03	1.16E-02	1.46E-03	4.12E-04	1.62E-02	2.63E-03	2.30E-08	1.94E-05	1.12E-05	2.66E-03
1112	482452.38	3852750.87	6.10E-03	2.80E-08	1.26E-05	1.10E-05	6.12E-03	2.88E-03	1.15E-02	9.44E-04	4.03E-04	1.58E-02	2.74E-03	2.30E-08	1.26E-05	1.10E-05	2.76E-03
1113	482521.29	3852749.74	5.99E-03	2.75E-08	1.42E-05	1.08E-05	6.02E-03	2.83E-03	1.13E-02	1.06E-03	3.96E-04	1.56E-02	2.69E-03	2.26E-08	1.42E-05	1.08E-05	2.71E-03
1114	482571.29	3852749.74	6.13E-03	2.73E-08	1.54E-05	1.08E-05	6.15E-03	2.89E-03	1.12E-02	1.15E-03	3.95E-04	1.57E-02	2.75E-03	2.24E-08	1.54E-05	1.08E-05	2.77E-03
1115	482521.29	3852799.74	6.17E-03	2.80E-08	1.31E-05	1.09E-05	6.20E-03	2.91E-03	1.15E-02	9.84E-04	4.00E-04	1.58E-02	2.77E-03	2.30E-08	1.31E-05	1.09E-05	2.79E-03
1116	482571.29	3852799.74	6.09E-03	2.78E-08	1.43E-05	1.08E-05	6.11E-03	2.87E-03	1.15E-02	1.07E-03	3.97E-04	1.58E-02	2.73E-03	2.28E-08	1.43E-05	1.08E-05	2.76E-03
1117	482621.29	3852799.74	6.21E-03	2.75E-08	1.55E-05	1.06E-05	6.24E-03	2.93E-03	1.13E-02	1.16E-03	3.89E-04	1.58E-02	2.79E-03	2.26E-08	1.55E-05	1.06E-05	2.81E-03
1118	482571.29	3852849.74	6.31E-03	2.81E-08	1.32E-05	1.09E-05	6.33E-03	2.98E-03	1.16E-02	9.90E-04	3.99E-04	1.60E-02	2.83E-03	2.31E-08	1.32E-05	1.09E-05	2.85E-03
1119	482621.29	3852849.74	6.24E-03	2.81E-08	1.44E-05	1.07E-05	6.27E-03	2.94E-03	1.16E-02	1.08E-03	3.94E-04	1.60E-02	2.80E-03	2.30E-08	1.44E-05	1.07E-05	2.82E-03
1120	482577.42	3852901.55	6.53E-03	2.87E-08	1.27E-05	1.11E-05	6.55E-03	3.08E-03	1.18E-02	9.50E-04	4.07E-04	1.63E-02	2.93E-03	2.36E-08	1.27E-05	1.11E-05	2.95E-03
1121	482627.42	3852901.55	6.49E-03	2.82E-08	1.34E-05	1.09E-05	6.52E-03	3.06E-03	1.16E-02	1.00E-03	3.99E-04	1.61E-02	2.91E-03	2.32E-08	1.34E-05	1.09E-05	2.94E-03
1122	482629.96	3852955.85	6.68E-03	2.88E-08	1.29E-05	1.18E-05	6.71E-03	3.15E-03	1.19E-02	9.65E-04	4.31E-04	1.64E-02	3.00E-03	2.36E-08	1.29E-05	1.18E-05	3.02E-03
1123	482679.96	3852955.85	6.65E-03	3.01E-08	1.34E-05	1.23E-05	6.68E-03	3.14E-03	1.24E-02	1.01E-03	4.51E-04	1.70E-02	2.98E-03	2.47E-08	1.34E-05	1.23E-05	3.01E-03
1124	482781.63	3853034.48	6.85E-03	3.15E-08	1.41E-05	1.34E-05	6.88E-03	3.23E-03	1.30E-02	1.06E-03	4.90E-04	1.78E-02	3.07E-03	2.59E-08	1.41E-05	1.34E-05	3.10E-03
1125	482831.63	3853034.48	6.90E-03	3.12E-08	1.53E-05	1.26E-05	6.93E-03	3.25E-03	1.28E-02	1.15E-03	4.63E-04	1.77E-02	3.09E-03	2.56E-08	1.53E-05	1.26E-05	3.12E-03
1126	482881.63	3853034.48	6.73E-03	3.02E-08	1.67E-05	1.16E-05	6.76E-03	3.18E-03	1.25E-02	1.25E-03	4.26E-04	1.73E-02	3.02E-03	2.48E-08	1.67E-05	1.16E-05	3.05E-03
1127	482781.63	3853084.48	7.00E-03	3.20E-08	1.30E-05	1.36E-05	7.03E-03	3.30E-03	1.32E-02	9.74E-04	5.00E-04	1.80E-02	3.14E-03	2.63E-08	1.30E-05	1.36E-05	3.17E-03
1128	482831.63	3853084.48	6.99E-03	3.20E-08	1.42E-05	1.33E-05	7.02E-03	3.30E-03	1.32E-02	1.06E-03	4.88E-04	1.80E-02	3.14E-03	2.62E-08	1.42E-05	1.33E-05	3.16E-03
1129	482881.63	3853084.48	7.05E-03	3.12E-08	1.55E-05	1.17E-05	7.07E-03	3.32E-03	1.28E-02	1.16E-03	4.29E-04	1.78E-02	3.16E-03	2.56E-08	1.55E-05	1.17E-05	3.19E-03
1130	482781.63	3853134.48	7.13E-03	3.27E-08	1.39E-05	1.39E-05	7.16E-03	3.36E-03	1.35E-02	1.04E-03	5.11E-04	1.84E-02	3.20E-03	2.68E-08	1.39E-05	1.39E-05	3.23E-03
1131	482831.63	3853134.48	7.15E-03	3.29E-08	1.31E-05	1.36E-05	7.17E-03	3.37E-03	1.35E-02	9.84E-04	4.98E-04	1.84E-02	3.21E-03	2.70E-08	1.31E-05	1.36E-05	3.23E-03
1132	482881.63	3853134.48	7.11E-03	3.26E-08	1.43E-05	1.18E-05	7.14E-03	3.35E-03	1.34E-02	1.07E-03	4.32E-04	1.83E-02	3.19E-03	2.67E-08	1.43E-05	1.18E-05	3.21E-03
1133	482831.63	3853184.48	7.30E-03	3.36E-08	1.40E-05	1.38E-05	7.33E-03	3.44E-03	1.38E-02	1.05E-03	5.07E-04	1.88E-02	3.27E-03	2.75E-08	1.40E-05	1.38E-05	3.30E-03
1134	482881.63	3853184.48	7.28E-03	3.36E-08	1.33E-05	1.21E-05	7.31E-03	3.43E-03	1.38E-02	9.97E-04	4.44E-04	1.87E-02	3.27E-03	2.76E-08	1.33E-05	1.21E-05	3.29E-03
1135	484154.84	3854250.98	1.09E-02	1.77E-08	2.22E-05	1.71E-05	1.10E-02	5.15E-03	7.31E-03	1.66E-03	6.26E-04	1.48E-02	4.90E-03	1.46E-08	2.22E-05	1.71E-05	4.94E-03
1136	484204.84	3854250.98	9.97E-03	1.73E-08	2.37E-05	1.67E-05	1.00E-02	4.70E-03	7.15E-03	1.77E-03	6.12E-04	1.42E-02	4.47E-03	1.42E-08	2.37E-05	1.67E-05	4.51E-03
1137	484154.84	3854300.98	1.16E-02	1.66E-08	2.03E-05	1.92E-05	1.16E-02	5.46E-03	6.82E-03	1.52E-03	7.03E-04	1.45E-02	5.19E-03	1.36E-08	2.03E-05	1.92E-05	5.23E-03
1138	484204.84	3854300.98	1.04E-02	1.65E-08	2.23E-05	2.04E-05	1.04E-02	4.91E-03	6.80E-03	1.67E-03	7.49E-04	1.41E-02	4.67E-03	1.36E-08	2.23E-05	2.04E-05	4.71E-03
1139	484074.19	3854519.8	1.19E-02	1.76E-08	2.17E-05	3.05E-05	1.20E-02	5.62E-03	7.24E-03	1.63E-03	1.12E-03	1.56E-02	5.35E-03	1.44E-08	2.17E-05	3.05E-05	5.40E-03
1140	484124.19	3854519.8	1.17E-02	1.72E-08	2.10E-05	3.03E-05	1.17E-02	5.50E-03	7.09E-03	1.57E-03	1.11E-03	1.53E-02	5.23E-03	1.41E-08	2.10E-05	3.03E-05	5.28E-03
1141	484074.19	3854569.8	1.21E-02	1.80E-08	2.26E-05	3.36E-05	1.22E-02	5.73E-03	7.43E-03	1.70E-03	1.23E-03	1.61E-02	5.44E-03	1.48E-08	2.26E-05	3.36E-05	5.50E-03
1142	484124.19	3854569.8	1.10E-02	1.77E-08	2.20E-05	3.34E-05	1.11E-02	5.20E-03	7.29E-03	1.65E-03	1.22E-03	1.54E-02	4.94E-03	1.45E-08	2.20E-05	3.34E-05	5.00E-03
1143	485205.11	3855188.89	2.63E-02	2.34E-08	3.09E-05	3.81E-05	2.64E-02	1.24E-02	9.65E-03	2.32E-03	1.40E-03	2.58E-02	1.18E-02	1.92E-08	3.09E-05	3.81E-05	1.19E-02
1144	485255.11	3855188.89	2.26E-02	2.25E-08	3.31E-05	4.57E-05	2.26E-02	1.06E-02	9.27E-03	2.48E-03	1.68E-03	2.41E-02	1.01E-02	1.85E-08	3.31E-05	4.57E-05	1.02E-02
1145	485205.11	3855238.89	3.01E-02	2.38E-08	2.91E-05	5.09E-05	3.02E-02	1.42E-02	9.79E-03	2.18E-03	1.86E-03	2.80E-02	1.35E-02	1.95E-08	2.91E-05	5.09E-05	1.36E-02
1146	485255.11	3855238.89	2.78E-02	2.35E-08	3.13E-05	4.76E-05	2.78E-02	1.31E-02	9.69E-03	2.35E-03	1.74E-03	2.69E-02	1.25E-02	1.93E-08	3.13E-05	4.76E-05	1.25E-02
1147	485205.11	3855288.89	4.18E-02	2.57E-08	2.72E-05	4.36E-05	4.18E-02	1.97E-02	1.06E-02	2.04E-03	1.60E-03	3.39E-02	1.87E-02	2.11E-08	2.72E-05	4.36E-05	1.88E-02
1148	485255.11	3855288.89	3.64E-02	2.56E-08	2.94E-05	4.20E-05	3.64E-02	1.71E-02	1.05E-02	2.21E-03	1.54E-03	3.14E-02	1.63E-02	2.10E-08	2.94E-05	4.20E-05	1.64E-02
1149	485255.11	3855338.89	4.84E-02	2.79E-08	2.75E-05	4.08E-05	4.84E-02	2.28E-02	1.15E-02	2.06E-03	1.50E-03	3.78E-02	2.17E-02	2.29E-08	2.75E-05	4.08E-05	2.18E-02
1150	485305.11	3855338.89	4.23E-02	2.69E-08	2.97E-05	4.23E-05	4.24E-02	2.00E-02	1.11E-02	2.23E-03	1.55E-03	3.48E-02	1.90E-02	2.21E-08	2.97E-05	4.23E-05	1.90E-02
1151	485852.5	3855635.28	3.98E-02	3.18E-08	4.08E-05	4.62E-05	3.99E-02	1.88E-02	1.31E-02	3.06E-03	1.69E-03	3.66E-02	1.79E-02	2.61E-08	4.08E-05	4.62E-05	1.80E-02
1152	485902.5	3855635.28	3.61E-02	3.03E-08	4.35E-05	4.87E-05	3.62E-02	1.70E-02	1.25E-02	3.26E-03	1.79E-03	3.46E-02	1.62E-02	2.49E-08	4.35E-05	4.87E-05	1.63E-02
1153	485852.5	3855685.28	4.41E-02	3.37E-08	4.12E-05	5.49E-05	4.42E-02	2.08E-02	1.39E-02	3.09E-03	2.01E-03	3.98E-02	1.98E-02	2.77E-08	4.12E-05	5.49E-05	1.99E-02
1154	485902.5	3855685.28	3.94E-02	3.21E-08	4.16E-05	5.66E-05	3.95E-02	1.86E-02	1.32E-02	3.12E-03	2.07E-03	3.70E-02	1.77E-02	2.63E-08	4.16E-05	5.66E-05	1.78E-02
1155	485852.5	3855735.28	4.95E-02	3.59E-08	4.02E-05	5.33E-05	4.96E-02	2.33E-02	1.48E-02	3.01E-03	1.95E-03	4.31E-02	2.22E-02	2.95E-08	4.02E-05	5.33E-05	2.23E-02

1156	485902.5	3855735.28	4.48E-02	3.45E-08	4.18E-05	5.65E-05	4.49E-02	2.11E-02	1.42E-02	3.14E-03	2.07E-03	4.05E-02	2.01E-02	2.83E-08	4.18E-05	5.65E-05	2.02E-02
1157	485852.5	3855785.28	5.71E-02	3.85E-08	3.45E-05	5.04E-05	5.72E-02	2.70E-02	1.59E-02	2.58E-03	1.85E-03	4.72E-02	2.56E-02	3.16E-08	3.45E-05	5.04E-05	2.57E-02
1158	485902.5	3855785.28	5.07E-02	3.59E-08	4.07E-05	5.15E-05	5.08E-02	2.39E-02	1.48E-02	3.05E-03	1.89E-03	4.37E-02	2.28E-02	2.95E-08	4.07E-05	5.15E-05	2.28E-02
1159	486809.46	3856465.28	4.71E-02	4.56E-08	5.75E-05	4.03E-05	4.72E-02	2.22E-02	1.88E-02	4.31E-03	1.48E-03	4.68E-02	2.11E-02	3.74E-08	5.75E-05	4.03E-05	2.12E-02
1160	486859.46	3856465.28	4.46E-02	4.60E-08	6.03E-05	3.96E-05	4.47E-02	2.10E-02	1.90E-02	4.52E-03	1.45E-03	4.59E-02	2.00E-02	3.78E-08	6.03E-05	3.96E-05	2.01E-02
1161	486909.46	3856465.28	4.18E-02	4.61E-08	6.35E-05	3.90E-05	4.19E-02	1.97E-02	1.90E-02	4.76E-03	1.43E-03	4.49E-02	1.87E-02	3.79E-08	6.35E-05	3.90E-05	1.88E-02
1162	486809.46	3856515.28	5.12E-02	4.80E-08	5.50E-05	4.13E-05	5.13E-02	2.41E-02	1.98E-02	4.12E-03	1.51E-03	4.95E-02	2.29E-02	3.94E-08	5.50E-05	4.13E-05	2.30E-02
1163	486859.46	3856515.28	4.83E-02	4.87E-08	5.86E-05	3.99E-05	4.84E-02	2.28E-02	2.01E-02	4.40E-03	1.46E-03	4.87E-02	2.17E-02	4.00E-08	5.86E-05	3.99E-05	2.18E-02
1164	486909.46	3856515.28	4.56E-02	4.91E-08	6.20E-05	3.81E-05	4.57E-02	2.15E-02	2.02E-02	4.65E-03	1.40E-03	4.78E-02	2.05E-02	4.03E-08	6.20E-05	3.81E-05	2.06E-02
1165	486980.94	3856357.95	3.49E-02	4.09E-08	6.07E-05	3.68E-05	3.50E-02	1.65E-02	1.68E-02	4.55E-03	1.35E-03	3.92E-02	1.56E-02	3.36E-08	6.07E-05	3.68E-05	1.57E-02
1166	487030.94	3856357.95	3.40E-02	4.09E-08	6.22E-05	3.57E-05	3.41E-02	1.60E-02	1.68E-02	4.67E-03	1.31E-03	3.88E-02	1.53E-02	3.35E-08	6.22E-05	3.57E-05	1.54E-02
1167	486980.94	3856407.95	3.75E-02	4.36E-08	5.72E-05	3.68E-05	3.76E-02	1.77E-02	1.80E-02	4.29E-03	1.35E-03	4.13E-02	1.68E-02	3.58E-08	5.72E-05	3.68E-05	1.69E-02
1168	487030.94	3856407.95	3.64E-02	4.35E-08	6.51E-05	3.62E-05	3.65E-02	1.72E-02	1.79E-02	4.89E-03	1.33E-03	4.13E-02	1.63E-02	3.57E-08	6.51E-05	3.62E-05	1.64E-02
1169	487447.18	3856437.45	2.73E-02	4.50E-08	7.05E-05	3.09E-05	2.74E-02	1.29E-02	1.85E-02	5.29E-03	1.13E-03	3.78E-02	1.23E-02	3.69E-08	7.05E-05	3.09E-05	1.24E-02
1170	487497.18	3856437.45	2.66E-02	4.55E-08	9.67E-05	3.01E-05	2.68E-02	1.26E-02	1.87E-02	7.26E-03	1.10E-03	3.97E-02	1.19E-02	3.73E-08	9.67E-05	3.01E-05	1.21E-02
1171	487547.18	3856437.45	2.60E-02	4.54E-08	1.12E-04	2.95E-05	2.61E-02	1.23E-02	1.87E-02	8.43E-03	1.08E-03	4.05E-02	1.17E-02	3.73E-08	1.12E-04	2.95E-05	1.18E-02
1172	487447.18	3856487.45	2.85E-02	4.71E-08	7.13E-05	2.97E-05	2.86E-02	1.35E-02	1.94E-02	5.35E-03	1.09E-03	3.93E-02	1.28E-02	3.86E-08	7.13E-05	2.97E-05	1.29E-02
1173	487497.18	3856487.45	2.78E-02	4.67E-08	8.75E-05	2.94E-05	2.79E-02	1.31E-02	1.92E-02	6.56E-03	1.08E-03	4.00E-02	1.25E-02	3.83E-08	8.75E-05	2.94E-05	1.26E-02
1174	487547.18	3856487.45	2.72E-02	4.65E-08	1.10E-04	2.97E-05	2.74E-02	1.28E-02	1.92E-02	8.24E-03	1.09E-03	4.13E-02	1.22E-02	3.82E-08	1.10E-04	2.97E-05	1.23E-02
1175	487447.18	3856537.45	3.02E-02	4.93E-08	7.18E-05	3.04E-05	3.03E-02	1.43E-02	2.03E-02	5.38E-03	1.11E-03	4.11E-02	1.36E-02	4.05E-08	7.18E-05	3.04E-05	1.37E-02
1176	487497.18	3856537.45	2.91E-02	4.89E-08	7.77E-05	2.91E-05	2.92E-02	1.37E-02	2.02E-02	5.83E-03	1.07E-03	4.08E-02	1.31E-02	4.02E-08	7.77E-05	2.91E-05	1.32E-02
1177	487547.18	3856537.45	2.83E-02	4.88E-08	1.06E-04	2.89E-05	2.84E-02	1.33E-02	2.01E-02	7.98E-03	1.06E-03	4.25E-02	1.27E-02	4.00E-08	1.06E-04	2.89E-05	1.28E-02
1178	489285.89	3858826.54	5.84E-03	1.98E-07	1.43E-04	2.97E-05	6.01E-03	2.75E-03	8.14E-02	1.08E-02	1.09E-03	9.60E-02	2.62E-03	1.62E-07	1.43E-04	2.97E-05	2.79E-03
1179	489335.89	3858826.54	5.73E-03	1.92E-07	1.47E-04	2.88E-05	5.90E-03	2.70E-03	7.92E-02	1.10E-02	1.06E-03	9.40E-02	2.57E-03	1.58E-07	1.47E-04	2.88E-05	2.74E-03
1180	489385.89	3858826.54	5.86E-03	1.86E-07	1.46E-04	2.93E-05	6.04E-03	2.77E-03	7.67E-02	1.10E-02	1.08E-03	9.15E-02	2.63E-03	1.53E-07	1.46E-04	2.93E-05	2.81E-03
1181	489435.89	3858826.54	5.91E-03	1.81E-07	1.40E-04	2.99E-05	6.08E-03	2.79E-03	7.46E-02	1.05E-02	1.10E-03	8.90E-02	2.65E-03	1.49E-07	1.40E-04	2.99E-05	2.82E-03
1182	489485.89	3858826.54	5.90E-03	1.77E-07	1.50E-04	2.92E-05	6.08E-03	2.78E-03	7.29E-02	1.12E-02	1.07E-03	8.80E-02	2.64E-03	1.45E-07	1.50E-04	2.92E-05	2.82E-03
1183	489535.89	3858826.54	5.83E-03	1.73E-07	1.46E-04	2.86E-05	6.01E-03	2.75E-03	7.13E-02	1.10E-02	1.05E-03	8.61E-02	2.62E-03	1.42E-07	1.46E-04	2.86E-05	2.79E-03
1184	489585.89	3858826.54	5.81E-03	1.69E-07	1.38E-04	2.85E-05	5.97E-03	2.74E-03	6.97E-02	1.04E-02	1.05E-03	8.39E-02	2.60E-03	1.39E-07	1.38E-04	2.85E-05	2.77E-03
1185	489635.89	3858826.54	5.67E-03	1.66E-07	1.35E-04	2.83E-05	5.83E-03	2.67E-03	6.85E-02	1.01E-02	1.04E-03	8.23E-02	2.54E-03	1.36E-07	1.35E-04	2.83E-05	2.71E-03
1186	489685.89	3858826.54	5.68E-03	1.63E-07	1.40E-04	2.78E-05	5.85E-03	2.68E-03	6.72E-02	1.05E-02	1.02E-03	8.14E-02	2.55E-03	1.34E-07	1.40E-04	2.78E-05	2.72E-03
1187	489735.89	3858826.54	5.52E-03	1.58E-07	1.38E-04	2.74E-05	5.69E-03	2.60E-03	6.53E-02	1.04E-02	1.00E-03	7.92E-02	2.48E-03	1.30E-07	1.38E-04	2.74E-05	2.64E-03
1188	489785.89	3858826.54	5.47E-03	1.54E-07	1.38E-04	2.72E-05	5.64E-03	2.58E-03	6.36E-02	1.03E-02	9.98E-04	7.75E-02	2.45E-03	1.27E-07	1.38E-04	2.72E-05	2.62E-03
1189	489835.89	3858826.54	5.33E-03	1.50E-07	1.35E-04	2.66E-05	5.49E-03	2.51E-03	6.18E-02	1.01E-02	9.74E-04	7.54E-02	2.39E-03	1.23E-07	1.35E-04	2.66E-05	2.55E-03
1190	489885.89	3858826.54	5.12E-03	1.47E-07	1.31E-04	2.59E-05	5.28E-03	2.41E-03	6.04E-02	9.84E-03	9.50E-04	7.36E-02	2.30E-03	1.20E-07	1.31E-04	2.59E-05	2.45E-03
1191	489935.89	3858826.54	5.12E-03	1.43E-07	1.35E-04	2.52E-05	5.28E-03	2.41E-03	5.90E-02	1.01E-02	9.23E-04	7.25E-02	2.30E-03	1.18E-07	1.35E-04	2.52E-05	2.46E-03
1192	489985.89	3858826.54	5.33E-03	1.40E-07	1.26E-04	2.46E-05	5.48E-03	2.51E-03	5.76E-02	9.45E-03	9.02E-04	7.05E-02	2.39E-03	1.15E-07	1.26E-04	2.46E-05	2.54E-03
1193	490035.89	3858826.54	5.24E-03	1.36E-07	1.22E-04	2.43E-05	5.39E-03	2.47E-03	5.59E-02	9.17E-03	8.92E-04	6.85E-02	2.35E-03	1.11E-07	1.22E-04	2.43E-05	2.50E-03
1194	489285.89	3858876.54	6.01E-03	2.09E-07	1.22E-04	2.84E-05	6.16E-03	2.83E-03	8.60E-02	9.14E-03	1.04E-03	9.90E-02	2.69E-03	1.71E-07	1.22E-04	2.84E-05	2.84E-03
1195	489335.89	3858876.54	5.76E-03	2.03E-07	1.33E-04	2.93E-05	5.92E-03	2.72E-03	8.36E-02	9.94E-03	1.08E-03	9.73E-02	2.58E-03	1.66E-07	1.33E-04	2.93E-05	2.74E-03
1196	489385.89	3858876.54	5.55E-03	1.97E-07	1.40E-04	3.08E-05	5.73E-03	2.62E-03	8.13E-02	1.05E-02	1.13E-03	9.56E-02	2.49E-03	1.62E-07	1.40E-04	3.08E-05	2.66E-03
1197	489435.89	3858876.54	5.62E-03	1.92E-07	1.44E-04	2.93E-05	5.80E-03	2.65E-03	7.91E-02	1.08E-02	1.07E-03	9.36E-02	2.52E-03	1.57E-07	1.44E-04	2.93E-05	2.70E-03
1198	489485.89	3858876.54	5.75E-03	1.87E-07	1.45E-04	2.91E-05	5.92E-03	2.71E-03	7.69E-02	1.09E-02	1.07E-03	9.15E-02	2.58E-03	1.53E-07	1.45E-04	2.91E-05	2.75E-03
1199	489535.89	3858876.54	5.76E-03	1.82E-07	1.37E-04	2.91E-05	5.92E-03	2.72E-03	7.48E-02	1.03E-02	1.07E-03	8.89E-02	2.58E-03	1.49E-07	1.37E-04	2.91E-05	2.75E-03
1200	489585.89	3858876.54	5.71E-03	1.77E-07	1.40E-04	2.88E-05	5.88E-03	2.69E-03	7.31E-02	1.05E-02	1.06E-03	8.74E-02	2.56E-03	1.46E-07	1.40E-04	2.88E-05	2.73E-03
1201	489635.89	3858876.54	5.65E-03	1.74E-07	1.38E-04	2.89E-05	5.82E-03	2.66E-03	7.18E-02	1.04E-02	1.06E-03	8.59E-02	2.53E-03	1.43E-07	1.38E-04	2.89E-05	2.70E-03
1202	489685.89	3858876.54	5.52E-03	1.70E-07	1.31E-04	2.77E-05	5.68E-03	2.60E-03	6.99E-02	9.84E-03	1.01E-03	8.33E-02	2.48E-03	1.39E-07	1.31E-04	2.77E-05	2.64E-03
1203	489735.89	3858876.54	5.56E-03	1.64E-07	1.33E-04	2.76E-05	5.72E-03	2.62E-03	6.76E-02	9.99E-03	1.01E-03	8.12E-02	2.49E-03	1.35E-07	1.33E-04	2.76E-05	2.65E-03
1204	489785.89	3858876.54	5.37E-03	1.60E-07	1.27E-04	2.71E-05	5.53E-03	2.53E-03	6.58E-02	9.53E-03	9.93E-04	7.88E-02	2.41E-03	1.31E-07	1.27E-04	2.71E-05	2.56E-03
1205	489835.89	3858876.54	5.31E-03	1.55E-07	1.31E-04	2.76E-05	5.47E-03	2.50E-03	6.39E-02	9.83E-03	1.01E-03	7.72E-02	2.38E-03	1.27E-07	1.31E-04	2.76E-05	2.54E-03
1206	489885.89	3858876.54	5.25E-03	1.52E-07	1.34E-04	2.57E-05	5.41E-03	2.48E-03	6.25E-02	1.00E-02	9.44E-04	7.59E-02	2.35E-03	1.24E-07	1.34E-04	2.57E-05	2.51E-03
1207	489935.89	3858876.54	5.10E-03	1.47E-07	1.31E-04	2.52E-05	5.25E-03	2.40E-03	6.06E-02	9.79E-03	9.22E-04	7.38E-02	2.29E-03	1.21E-07	1.31E-04	2.52E-05	2.44E-03
1208	489985.89	3858876.54	4.90E-03	1.43E-07	1.27E-04	2.50E-05	5.05E-03	2.31E-03	5.88E-02	9.56E-03	9.18E-04	7.15E-02	2.20E-03	1.17E-07	1.27E-04	2.50E-05	2.35E-03
1209	490035.89	3858876.54	5.06E-03	1.38E-07	1.34E-04	2.48E-05	5.21E-03	2.38E-03	5.69E-02	1.00E-02	9.09E-04	7.03E-02	2.27E-03	1.13E-07	1.34E-04	2.48E-05	2.43E-03
1210	489285.89	3858926.54	5.88E-03	2.25E-07	1.17E-04	3.14E-05	6.03E-03	2.77E-03	9.28E-02	8.76E-03	1.15E-03	1.06E-01	2.64E-03	1.85E-07	1.17E-04	3.14E-05	2.78E-03
1211	489335.89	3858926.54	5.92E-03	2.18E-07	1.10E-04	3.08E-05	6.07E-03	2.79E-03	8.98E-02	8.26E-03	1.13E-03	1.02E-01	2.66E-03	1.79E-07	1.10E-04	3.08E-05	2.80E-03
1212	489385.89	3858926.54	5.62E-03	2.11E-07	1.17E-04	2.94E-05	5.77E-03	2.65E-03	8.68E-02	8.81E-03	1.08E-03	9.93E-02	2.52E-03	1.73E-07	1.17E-04	2.94E-05	2.67E-03
1213	489435.89	3858926.54	5.39E-03	2.02E-07	1.24E-04	2.83E-05	5.54E-03	2.54E-03	8.34E-02	9.33E-03	1.04E-03	9.63E-02	2.42E-03	1.66E-07	1.24E-04	2.83E-05	2.57E-03
1214	489485.89	3858926.54	5.44E-03	1.95E-07	1.30E-04	2.95E-05	5.60E-03	2.57E-03	8.04E-02	9.74E-03	1.08E-03	9.38E-02	2.44E-03	1.60E-07	1.30E-04	2.95E-05	2.60E-03
1215	489535.89	3858926.54	5.59E-03	1.89E-07	1.33E-04	2.95E-05	5.75E-03	2.63E-03	7.80E-02	9.99E-03	1.08E-03	9.18E-02	2.51E-03	1.55E-07	1.33E-04	2.95E-05	2.67E-03
1216	489585.89	3858926.54	5.62E-03	1.85E-07	1.35E-04	2.90E-05	5.79E-03	2.65E-03	7.62E-02	1.01E-02	1.06E-03	9.00E-02	2.52E-03	1.52E-07	1.35E-04	2.90E-05	2.69E-03

1217	489635.89	3858926.54	5.59E-03	1.81E-07	1.34E-04	2.88E-05	5.75E-03	2.64E-03	7.44E-02	1.00E-02	1.06E-03	8.81E-02	2.51E-03	1.48E-07	1.34E-04	2.88E-05	2.67E-03
1218	489685.89	3858926.54	5.52E-03	1.75E-07	1.31E-04	2.87E-05	5.68E-03	2.60E-03	7.20E-02	9.80E-03	1.05E-03	8.55E-02	2.48E-03	1.43E-07	1.31E-04	2.87E-05	2.64E-03
1219	489735.89	3858926.54	5.47E-03	1.70E-07	1.30E-04	2.75E-05	5.63E-03	2.58E-03	6.99E-02	9.78E-03	1.01E-03	8.32E-02	2.45E-03	1.39E-07	1.30E-04	2.75E-05	2.61E-03
1220	489785.89	3858926.54	5.33E-03	1.65E-07	1.25E-04	2.80E-05	5.48E-03	2.51E-03	6.79E-02	9.38E-03	1.03E-03	8.08E-02	2.39E-03	1.35E-07	1.25E-04	2.80E-05	2.54E-03
1221	489835.89	3858926.54	5.41E-03	1.60E-07	1.25E-04	2.65E-05	5.56E-03	2.55E-03	6.57E-02	9.40E-03	9.72E-04	7.86E-02	2.43E-03	1.31E-07	1.25E-04	2.65E-05	2.58E-03
1222	489885.89	3858926.54	5.21E-03	1.55E-07	1.28E-04	2.60E-05	5.36E-03	2.46E-03	6.39E-02	9.58E-03	9.55E-04	7.69E-02	2.34E-03	1.27E-07	1.28E-04	2.60E-05	2.49E-03
1223	489935.89	3858926.54	5.09E-03	1.50E-07	1.24E-04	2.56E-05	5.24E-03	2.40E-03	6.19E-02	9.33E-03	9.40E-04	7.46E-02	2.28E-03	1.23E-07	1.24E-04	2.56E-05	2.43E-03
1224	489985.89	3858926.54	5.05E-03	1.45E-07	1.30E-04	2.53E-05	5.21E-03	2.38E-03	5.97E-02	9.72E-03	9.28E-04	7.28E-02	2.27E-03	1.19E-07	1.30E-04	2.53E-05	2.42E-03
1225	490035.89	3858926.54	4.90E-03	1.40E-07	1.27E-04	2.50E-05	5.05E-03	2.31E-03	5.79E-02	9.51E-03	9.18E-04	7.06E-02	2.20E-03	1.15E-07	1.27E-04	2.50E-05	2.35E-03
1226	489335.89	3858976.54	5.77E-03	2.27E-07	1.18E-04	2.85E-05	5.92E-03	2.72E-03	9.33E-02	8.86E-03	1.05E-03	1.06E-01	2.59E-03	1.86E-07	1.18E-04	2.85E-05	2.73E-03
1227	489385.89	3858976.54	5.85E-03	2.19E-07	1.12E-04	2.86E-05	5.99E-03	2.76E-03	9.02E-02	8.38E-03	1.05E-03	1.02E-01	2.62E-03	1.80E-07	1.12E-04	2.86E-05	2.76E-03
1228	489435.89	3858976.54	5.52E-03	2.13E-07	1.14E-04	2.93E-05	5.66E-03	2.60E-03	8.77E-02	8.52E-03	1.08E-03	9.99E-02	2.47E-03	1.75E-07	1.14E-04	2.93E-05	2.62E-03
1229	489485.89	3858976.54	5.33E-03	2.06E-07	1.21E-04	2.89E-05	5.48E-03	2.52E-03	8.49E-02	9.05E-03	1.06E-03	9.75E-02	2.39E-03	1.69E-07	1.21E-04	2.89E-05	2.54E-03
1230	489535.89	3858976.54	5.27E-03	1.99E-07	1.26E-04	2.89E-05	5.42E-03	2.48E-03	8.20E-02	9.49E-03	1.06E-03	9.50E-02	2.36E-03	1.63E-07	1.26E-04	2.89E-05	2.52E-03
1231	489585.89	3858976.54	5.33E-03	1.93E-07	1.31E-04	2.96E-05	5.49E-03	2.52E-03	7.94E-02	9.80E-03	1.09E-03	9.28E-02	2.39E-03	1.58E-07	1.31E-04	2.96E-05	2.55E-03
1232	489635.89	3858976.54	5.47E-03	1.86E-07	1.33E-04	2.99E-05	5.63E-03	2.58E-03	7.66E-02	9.99E-03	1.09E-03	9.03E-02	2.45E-03	1.53E-07	1.33E-04	2.99E-05	2.62E-03
1233	489685.89	3858976.54	5.47E-03	1.80E-07	1.34E-04	2.77E-05	5.63E-03	2.58E-03	7.42E-02	1.00E-02	1.01E-03	8.78E-02	2.45E-03	1.48E-07	1.34E-04	2.77E-05	2.61E-03
1234	489735.89	3858976.54	5.41E-03	1.75E-07	1.30E-04	2.85E-05	5.57E-03	2.55E-03	7.23E-02	9.74E-03	1.04E-03	8.56E-02	2.43E-03	1.44E-07	1.30E-04	2.85E-05	2.59E-03
1235	489785.89	3858976.54	5.36E-03	1.70E-07	1.29E-04	2.79E-05	5.52E-03	2.53E-03	7.00E-02	9.66E-03	1.02E-03	8.32E-02	2.40E-03	1.39E-07	1.29E-04	2.79E-05	2.56E-03
1236	489835.89	3858976.54	5.19E-03	1.66E-07	1.24E-04	2.74E-05	5.34E-03	2.45E-03	6.82E-02	9.30E-03	1.00E-03	8.09E-02	2.33E-03	1.36E-07	1.24E-04	2.74E-05	2.48E-03
1237	489885.89	3858976.54	5.31E-03	1.60E-07	1.17E-04	2.66E-05	5.45E-03	2.50E-03	6.61E-02	8.80E-03	9.76E-04	7.84E-02	2.38E-03	1.32E-07	1.17E-04	2.66E-05	2.52E-03
1238	489935.89	3858976.54	5.11E-03	1.56E-07	1.15E-04	2.59E-05	5.25E-03	2.41E-03	6.43E-02	8.63E-03	9.48E-04	7.63E-02	2.29E-03	1.28E-07	1.15E-04	2.59E-05	2.43E-03
1239	489985.89	3858976.54	4.98E-03	1.52E-07	1.18E-04	2.57E-05	5.13E-03	2.35E-03	6.26E-02	8.86E-03	9.44E-04	7.48E-02	2.23E-03	1.25E-07	1.18E-04	2.57E-05	2.38E-03
1240	490035.89	3858976.54	4.93E-03	1.43E-07	1.21E-04	2.63E-05	5.08E-03	2.32E-03	5.91E-02	9.05E-03	9.65E-04	7.14E-02	2.21E-03	1.18E-07	1.21E-04	2.63E-05	2.36E-03
1241	489385.89	3859026.54	5.76E-03	2.31E-07	1.11E-04	2.77E-05	5.90E-03	2.72E-03	9.50E-02	8.32E-03	1.02E-03	1.07E-01	2.58E-03	1.89E-07	1.11E-04	2.77E-05	2.72E-03
1242	489435.89	3859026.54	5.72E-03	2.22E-07	1.15E-04	2.72E-05	5.86E-03	2.70E-03	9.15E-02	8.65E-03	9.99E-04	1.04E-01	2.57E-03	1.82E-07	1.15E-04	2.72E-05	2.71E-03
1243	489485.89	3859026.54	5.46E-03	2.14E-07	1.10E-04	2.89E-05	5.60E-03	2.57E-03	8.80E-02	8.24E-03	1.06E-03	9.99E-02	2.45E-03	1.75E-07	1.10E-04	2.89E-05	2.59E-03
1244	489535.89	3859026.54	5.24E-03	2.06E-07	1.17E-04	3.00E-05	5.39E-03	2.47E-03	8.48E-02	8.77E-03	1.10E-03	9.72E-02	2.35E-03	1.69E-07	1.17E-04	3.00E-05	2.50E-03
1245	489585.89	3859026.54	5.13E-03	1.98E-07	1.23E-04	3.07E-05	5.28E-03	2.42E-03	8.15E-02	9.24E-03	1.13E-03	9.43E-02	2.30E-03	1.62E-07	1.23E-04	3.07E-05	2.45E-03
1246	489635.89	3859026.54	5.18E-03	1.91E-07	1.28E-04	3.03E-05	5.33E-03	2.44E-03	7.86E-02	9.60E-03	1.11E-03	9.18E-02	2.32E-03	1.57E-07	1.28E-04	3.03E-05	2.48E-03
1247	489685.89	3859026.54	5.33E-03	1.84E-07	1.31E-04	2.93E-05	5.49E-03	2.51E-03	7.58E-02	9.86E-03	1.07E-03	8.92E-02	2.39E-03	1.51E-07	1.31E-04	2.93E-05	2.55E-03
1248	489735.89	3859026.54	5.34E-03	1.78E-07	1.33E-04	2.98E-05	5.51E-03	2.52E-03	7.33E-02	9.98E-03	1.09E-03	8.69E-02	2.40E-03	1.46E-07	1.33E-04	2.98E-05	2.56E-03
1249	489785.89	3859026.54	5.30E-03	1.73E-07	1.33E-04	2.90E-05	5.46E-03	2.50E-03	7.13E-02	9.96E-03	1.06E-03	8.49E-02	2.38E-03	1.42E-07	1.33E-04	2.90E-05	2.54E-03
1250	489835.89	3859026.54	5.23E-03	1.68E-07	1.25E-04	2.78E-05	5.38E-03	2.47E-03	6.91E-02	9.40E-03	1.02E-03	8.20E-02	2.34E-03	1.38E-07	1.25E-04	2.78E-05	2.50E-03
1251	489885.89	3859026.54	5.16E-03	1.63E-07	1.27E-04	2.71E-05	5.31E-03	2.43E-03	6.73E-02	9.49E-03	9.95E-04	8.02E-02	2.31E-03	1.34E-07	1.27E-04	2.71E-05	2.47E-03
1252	489935.89	3859026.54	5.10E-03	1.59E-07	1.20E-04	2.76E-05	5.25E-03	2.41E-03	6.55E-02	8.99E-03	1.01E-03	7.79E-02	2.29E-03	1.30E-07	1.20E-04	2.76E-05	2.44E-03
1253	489985.89	3859026.54	5.13E-03	1.55E-07	1.16E-04	2.80E-05	5.28E-03	2.42E-03	6.39E-02	8.67E-03	1.03E-03	7.60E-02	2.30E-03	1.27E-07	1.16E-04	2.80E-05	2.45E-03
1254	490035.89	3859026.54	5.00E-03	1.48E-07	1.10E-04	2.84E-05	5.14E-03	2.36E-03	6.10E-02	8.23E-03	1.04E-03	7.26E-02	2.24E-03	1.21E-07	1.10E-04	2.84E-05	2.38E-03
1255	489485.89	3859076.54	5.46E-03	2.16E-07	1.11E-04	3.12E-05	5.60E-03	2.58E-03	8.88E-02	8.36E-03	1.14E-03	1.01E-01	2.45E-03	1.77E-07	1.11E-04	3.12E-05	2.59E-03
1256	489535.89	3859076.54	5.40E-03	2.07E-07	1.10E-04	3.16E-05	5.54E-03	2.55E-03	8.53E-02	8.29E-03	1.16E-03	9.73E-02	2.42E-03	1.70E-07	1.10E-04	3.16E-05	2.56E-03
1257	489585.89	3859076.54	5.13E-03	1.99E-07	1.13E-04	3.11E-05	5.27E-03	2.42E-03	8.20E-02	8.49E-03	1.14E-03	9.40E-02	2.30E-03	1.63E-07	1.13E-04	3.11E-05	2.44E-03
1258	489635.89	3859076.54	5.01E-03	1.92E-07	1.19E-04	2.98E-05	5.16E-03	2.36E-03	7.93E-02	8.96E-03	1.09E-03	9.17E-02	2.25E-03	1.58E-07	1.19E-04	2.98E-05	2.40E-03
1259	489685.89	3859076.54	5.02E-03	1.86E-07	1.25E-04	3.04E-05	5.17E-03	2.37E-03	7.66E-02	9.35E-03	1.12E-03	8.94E-02	2.25E-03	1.53E-07	1.25E-04	3.04E-05	2.40E-03
1260	489735.89	3859076.54	5.13E-03	1.80E-07	1.28E-04	3.02E-05	5.29E-03	2.42E-03	7.43E-02	9.61E-03	1.11E-03	8.74E-02	2.30E-03	1.48E-07	1.28E-04	3.02E-05	2.46E-03
1261	489785.89	3859076.54	5.20E-03	1.75E-07	1.29E-04	2.90E-05	5.36E-03	2.45E-03	7.22E-02	9.68E-03	1.06E-03	8.54E-02	2.33E-03	1.44E-07	1.29E-04	2.90E-05	2.49E-03
1262	489835.89	3859076.54	5.19E-03	1.72E-07	1.30E-04	2.91E-05	5.35E-03	2.45E-03	7.07E-02	9.73E-03	1.07E-03	8.39E-02	2.33E-03	1.41E-07	1.30E-04	2.91E-05	2.49E-03
1263	489885.89	3859076.54	5.14E-03	1.68E-07	1.30E-04	2.94E-05	5.29E-03	2.42E-03	6.92E-02	9.73E-03	1.08E-03	8.24E-02	2.30E-03	1.38E-07	1.30E-04	2.94E-05	2.46E-03
1264	489935.89	3859076.54	5.10E-03	1.65E-07	1.24E-04	2.95E-05	5.25E-03	2.41E-03	6.79E-02	9.27E-03	1.08E-03	8.06E-02	2.29E-03	1.35E-07	1.24E-04	2.95E-05	2.44E-03
1265	489985.89	3859076.54	4.93E-03	1.61E-07	1.20E-04	2.95E-05	5.08E-03	2.32E-03	6.64E-02	9.00E-03	1.08E-03	7.88E-02	2.21E-03	1.32E-07	1.20E-04	2.95E-05	2.36E-03
1266	490035.89	3859076.54	5.12E-03	1.55E-07	1.13E-04	2.80E-05	5.26E-03	2.41E-03	6.39E-02	8.45E-03	1.03E-03	7.58E-02	2.30E-03	1.27E-07	1.13E-04	2.80E-05	2.44E-03
1267	489585.89	3859126.54	5.33E-03	2.09E-07	1.14E-04	3.07E-05	5.48E-03	2.51E-03	8.61E-02	8.57E-03	1.13E-03	9.83E-02	2.39E-03	1.72E-07	1.14E-04	3.07E-05	2.54E-03
1268	489635.89	3859126.54	5.03E-03	2.02E-07	1.09E-04	3.07E-05	5.17E-03	2.37E-03	8.33E-02	8.19E-03	1.12E-03	9.50E-02	2.26E-03	1.66E-07	1.09E-04	3.07E-05	2.40E-03
1269	489685.89	3859126.54	4.90E-03	1.96E-07	1.16E-04	3.06E-05	5.05E-03	2.31E-03	8.08E-02	8.66E-03	1.12E-03	9.29E-02	2.20E-03	1.61E-07	1.16E-04	3.06E-05	2.34E-03
1270	489735.89	3859126.54	4.88E-03	1.90E-07	1.21E-04	3.05E-05	5.03E-03	2.30E-03	7.84E-02	9.08E-03	1.12E-03	9.09E-02	2.19E-03	1.56E-07	1.21E-04	3.05E-05	2.34E-03
1271	489785.89	3859126.54	4.92E-03	1.85E-07	1.24E-04	3.04E-05	5.07E-03	2.32E-03	7.61E-02	9.29E-03	1.11E-03	8.88E-02	2.20E-03	1.52E-07	1.24E-04	3.04E-05	2.36E-03
1272	489835.89	3859126.54	5.08E-03	1.79E-07	1.25E-04	3.04E-05	5.23E-03	2.40E-03	7.37E-02	9.38E-03	1.11E-03	8.66E-02	2.28E-03	1.47E-07	1.25E-04	3.04E-05	2.43E-03
1273	489885.89	3859126.54	5.08E-03	1.73E-07	1.26E-04	3.01E-05	5.24E-03	2.40E-03	7.13E-02	9.45E-03	1.10E-03	8.42E-02	2.28E-03	1.42E-07	1.26E-04	3.01E-05	2.44E-03
1274	489935.89	3859126.54	5.04E-03	1.70E-07	1.26E-04	2.96E-05	5.20E-03	2.38E-03	6.99E-02	9.47E-03	1.08E-03	8.28E-02	2.26E-03	1.39E-07	1.26E-04	2.96E-05	2.42E-03
1275	489985.89	3859126.54	4.98E-03	1.65E-07	1.24E-04	2.76E-05	5.13E-03	2.35E-03	6.80E-02	9.32E-03	1.01E-03	8.07E-02	2.23E-03	1.35E-07	1.24E-04	2.76E-05	2.39E-03
1276	490035.89	3859126.54	4.91E-03	1.60E-07	1.22E-04	2.63E-05	5.06E-03	2.32E-03	6.61E-02	9.15E-03	9.65E-04	7.85E-02	2.20E-03	1.32E-07	1.22E-04	2.63E-05	2.35E-03
1277	489585.89	3859176.54	5.27E-03	2.19E-07	1.06E-04	3.13E-05	5.41E-03	2.49E-03	9.03E-02	7.95E-03	1.15E-03	1.02E-01	2.36E-03	1.80E-07	1.06E-04	3.13E-05	2.50E-03

1278	489635.89	3859176.54	5.26E-03	2.12E-07	1.13E-04	3.08E-05	5.41E-03	2.48E-03	8.74E-02	8.47E-03	1.13E-03	9.94E-02	2.36E-03	1.74E-07	1.13E-04	3.08E-05	2.51E-03
1279	489685.89	3859176.54	4.98E-03	2.05E-07	1.08E-04	3.07E-05	5.12E-03	2.35E-03	8.46E-02	8.11E-03	1.12E-03	9.61E-02	2.23E-03	1.68E-07	1.08E-04	3.07E-05	2.37E-03
1280	489735.89	3859176.54	4.81E-03	1.99E-07	1.11E-04	3.05E-05	4.95E-03	2.27E-03	8.22E-02	8.36E-03	1.12E-03	9.39E-02	2.16E-03	1.64E-07	1.11E-04	3.05E-05	2.30E-03
1281	489785.89	3859176.54	4.78E-03	1.93E-07	1.17E-04	3.03E-05	4.93E-03	2.26E-03	7.97E-02	8.80E-03	1.11E-03	9.19E-02	2.14E-03	1.59E-07	1.17E-04	3.03E-05	2.29E-03
1282	489835.89	3859176.54	4.78E-03	1.88E-07	1.20E-04	3.00E-05	4.93E-03	2.25E-03	7.74E-02	8.98E-03	1.10E-03	8.97E-02	2.14E-03	1.54E-07	1.20E-04	3.00E-05	2.29E-03
1283	489885.89	3859176.54	4.95E-03	1.82E-07	1.21E-04	2.98E-05	5.10E-03	2.34E-03	7.50E-02	9.09E-03	1.09E-03	8.75E-02	2.22E-03	1.49E-07	1.21E-04	2.98E-05	2.37E-03
1284	489935.89	3859176.54	4.98E-03	1.77E-07	1.22E-04	2.85E-05	5.13E-03	2.35E-03	7.28E-02	9.16E-03	1.05E-03	8.54E-02	2.24E-03	1.45E-07	1.22E-04	2.85E-05	2.39E-03
1285	489985.89	3859176.54	4.96E-03	1.70E-07	1.23E-04	2.77E-05	5.11E-03	2.34E-03	6.99E-02	9.21E-03	1.02E-03	8.25E-02	2.23E-03	1.39E-07	1.23E-04	2.77E-05	2.38E-03
1286	490035.89	3859176.54	4.90E-03	1.66E-07	1.21E-04	2.72E-05	5.05E-03	2.31E-03	6.83E-02	9.11E-03	9.96E-04	8.07E-02	2.20E-03	1.36E-07	1.21E-04	2.72E-05	2.35E-03
1287	489685.89	3859226.54	5.13E-03	2.12E-07	1.07E-04	3.13E-05	5.27E-03	2.42E-03	8.75E-02	8.05E-03	1.15E-03	9.91E-02	2.30E-03	1.74E-07	1.07E-04	3.13E-05	2.44E-03
1288	489735.89	3859226.54	4.92E-03	2.07E-07	1.11E-04	3.16E-05	5.07E-03	2.32E-03	8.52E-02	8.33E-03	1.16E-03	9.70E-02	2.21E-03	1.70E-07	1.11E-04	3.16E-05	2.35E-03
1289	489785.89	3859226.54	4.71E-03	2.01E-07	1.08E-04	3.15E-05	4.84E-03	2.22E-03	8.27E-02	8.07E-03	1.15E-03	9.41E-02	2.11E-03	1.65E-07	1.08E-04	3.15E-05	2.25E-03
1290	489835.89	3859226.54	4.63E-03	1.94E-07	1.14E-04	2.99E-05	4.78E-03	2.18E-03	8.01E-02	8.52E-03	1.10E-03	9.19E-02	2.08E-03	1.59E-07	1.14E-04	2.99E-05	2.22E-03
1291	489885.89	3859226.54	4.65E-03	1.89E-07	1.16E-04	2.92E-05	4.79E-03	2.19E-03	7.77E-02	8.68E-03	1.07E-03	8.97E-02	2.08E-03	1.55E-07	1.16E-04	2.92E-05	2.23E-03
1292	489935.89	3859226.54	4.69E-03	1.83E-07	1.17E-04	2.84E-05	4.84E-03	2.21E-03	7.54E-02	8.80E-03	1.04E-03	8.75E-02	2.10E-03	1.50E-07	1.17E-04	2.84E-05	2.25E-03
1293	489985.89	3859226.54	4.88E-03	1.75E-07	1.19E-04	2.83E-05	5.03E-03	2.30E-03	7.21E-02	8.90E-03	1.04E-03	8.43E-02	2.19E-03	1.44E-07	1.19E-04	2.83E-05	2.34E-03
1294	490035.89	3859226.54	4.87E-03	1.71E-07	1.19E-04	2.77E-05	5.01E-03	2.30E-03	7.04E-02	8.95E-03	1.02E-03	8.26E-02	2.18E-03	1.40E-07	1.19E-04	2.77E-05	2.33E-03
1295	489735.89	3859276.54	4.98E-03	2.13E-07	1.02E-04	3.26E-05	5.11E-03	2.35E-03	8.76E-02	7.62E-03	1.19E-03	9.87E-02	2.23E-03	1.74E-07	1.02E-04	3.26E-05	2.37E-03
1296	489785.89	3859276.54	4.87E-03	2.07E-07	1.13E-04	3.16E-05	5.01E-03	2.30E-03	8.52E-02	8.45E-03	1.16E-03	9.71E-02	2.18E-03	1.70E-07	1.13E-04	3.16E-05	2.33E-03
1297	489835.89	3859276.54	4.65E-03	2.01E-07	1.07E-04	2.96E-05	4.79E-03	2.19E-03	8.27E-02	8.03E-03	1.08E-03	9.41E-02	2.09E-03	1.65E-07	1.07E-04	2.96E-05	2.22E-03
1298	489885.89	3859276.54	4.51E-03	1.96E-07	1.10E-04	2.95E-05	4.65E-03	2.13E-03	8.06E-02	8.22E-03	1.08E-03	9.21E-02	2.02E-03	1.61E-07	1.10E-04	2.95E-05	2.16E-03
1299	489935.89	3859276.54	4.58E-03	1.90E-07	1.12E-04	2.92E-05	4.72E-03	2.16E-03	7.82E-02	8.38E-03	1.07E-03	8.98E-02	2.05E-03	1.56E-07	1.12E-04	2.92E-05	2.19E-03
1300	489985.89	3859276.54	4.59E-03	1.81E-07	1.14E-04	2.80E-05	4.74E-03	2.17E-03	7.46E-02	8.53E-03	1.03E-03	8.63E-02	2.06E-03	1.49E-07	1.14E-04	2.80E-05	2.20E-03
1301	490035.89	3859276.54	4.76E-03	1.78E-07	1.15E-04	2.73E-05	4.90E-03	2.24E-03	7.34E-02	8.62E-03	1.00E-03	8.52E-02	2.13E-03	1.46E-07	1.15E-04	2.73E-05	2.28E-03
1302	490458.06	3859590.74	4.01E-03	1.50E-07	9.64E-05	2.55E-05	4.14E-03	1.89E-03	6.17E-02	7.23E-03	9.35E-04	7.18E-02	1.80E-03	1.23E-07	9.64E-05	2.55E-05	1.92E-03
1303	490508.06	3859590.74	4.13E-03	1.45E-07	9.78E-05	2.55E-05	4.26E-03	1.95E-03	5.97E-02	7.34E-03	9.35E-04	7.00E-02	1.85E-03	1.19E-07	9.78E-05	2.55E-05	1.98E-03
1304	490558.06	3859590.74	4.13E-03	1.40E-07	9.90E-05	2.58E-05	4.26E-03	1.95E-03	5.78E-02	7.42E-03	9.44E-04	6.81E-02	1.85E-03	1.15E-07	9.90E-05	2.58E-05	1.98E-03
1305	490608.06	3859590.74	4.09E-03	1.35E-07	9.98E-05	2.59E-05	4.22E-03	1.93E-03	5.57E-02	7.48E-03	9.50E-04	6.61E-02	1.84E-03	1.11E-07	9.98E-05	2.59E-05	1.96E-03
1306	490658.06	3859590.74	4.03E-03	1.30E-07	1.00E-04	2.56E-05	4.16E-03	1.90E-03	5.35E-02	7.53E-03	9.39E-04	6.39E-02	1.81E-03	1.07E-07	1.00E-04	2.56E-05	1.94E-03
1307	490708.06	3859590.74	3.95E-03	1.26E-07	1.07E-04	2.53E-05	4.08E-03	1.86E-03	5.18E-02	7.99E-03	9.28E-04	6.25E-02	1.77E-03	1.03E-07	1.07E-04	2.53E-05	1.90E-03
1308	490758.06	3859590.74	4.02E-03	1.22E-07	1.02E-04	2.50E-05	4.15E-03	1.90E-03	5.01E-02	7.63E-03	9.18E-04	6.06E-02	1.80E-03	9.99E-08	1.02E-04	2.50E-05	1.93E-03
1309	490808.06	3859590.74	4.00E-03	1.18E-07	1.01E-04	2.47E-05	4.12E-03	1.88E-03	4.88E-02	7.56E-03	9.07E-04	5.92E-02	1.79E-03	9.72E-08	1.01E-04	2.47E-05	1.92E-03
1310	490858.06	3859590.74	4.00E-03	1.15E-07	1.01E-04	2.45E-05	4.13E-03	1.89E-03	4.74E-02	7.55E-03	8.97E-04	5.77E-02	1.79E-03	9.44E-08	1.01E-04	2.45E-05	1.92E-03
1311	490458.06	3859640.74	3.88E-03	1.50E-07	9.19E-05	2.65E-05	3.99E-03	1.83E-03	6.18E-02	6.89E-03	9.72E-04	7.15E-02	1.74E-03	1.23E-07	9.19E-05	2.65E-05	1.86E-03
1312	490508.06	3859640.74	3.88E-03	1.47E-07	9.35E-05	2.64E-05	4.00E-03	1.83E-03	6.06E-02	7.01E-03	9.69E-04	7.05E-02	1.74E-03	1.21E-07	9.35E-05	2.64E-05	1.86E-03
1313	490558.06	3859640.74	4.03E-03	1.44E-07	9.49E-05	2.63E-05	4.15E-03	1.90E-03	5.92E-02	7.12E-03	9.65E-04	6.92E-02	1.81E-03	1.18E-07	9.49E-05	2.63E-05	1.93E-03
1314	490608.06	3859640.74	4.06E-03	1.40E-07	9.63E-05	2.61E-05	4.18E-03	1.91E-03	5.78E-02	7.22E-03	9.58E-04	6.79E-02	1.82E-03	1.15E-07	9.63E-05	2.61E-05	1.94E-03
1315	490658.06	3859640.74	4.04E-03	1.35E-07	9.72E-05	2.60E-05	4.16E-03	1.90E-03	5.56E-02	7.29E-03	9.53E-04	6.57E-02	1.81E-03	1.11E-07	9.72E-05	2.60E-05	1.93E-03
1316	490708.06	3859640.74	3.99E-03	1.29E-07	9.84E-05	2.59E-05	4.11E-03	1.88E-03	5.32E-02	7.38E-03	9.48E-04	6.34E-02	1.79E-03	1.06E-07	9.84E-05	2.59E-05	1.91E-03
1317	490758.06	3859640.74	3.91E-03	1.23E-07	1.01E-04	2.58E-05	4.04E-03	1.85E-03	5.08E-02	7.57E-03	9.46E-04	6.11E-02	1.76E-03	1.01E-07	1.01E-04	2.58E-05	1.88E-03
1318	490808.06	3859640.74	3.85E-03	1.20E-07	1.02E-04	2.56E-05	3.98E-03	1.82E-03	4.94E-02	7.64E-03	9.40E-04	5.98E-02	1.73E-03	9.84E-08	1.02E-04	2.56E-05	1.86E-03
1319	490858.06	3859640.74	3.96E-03	1.17E-07	9.87E-05	2.55E-05	4.09E-03	1.87E-03	4.84E-02	7.41E-03	9.34E-04	5.86E-02	1.78E-03	9.63E-08	9.87E-05	2.55E-05	1.90E-03
1320	490608.06	3859690.74	3.89E-03	1.40E-07	9.23E-05	2.58E-05	4.01E-03	1.83E-03	5.75E-02	6.92E-03	9.47E-04	6.72E-02	1.74E-03	1.15E-07	9.23E-05	2.58E-05	1.86E-03
1321	490658.06	3859690.74	3.99E-03	1.36E-07	9.37E-05	2.56E-05	4.11E-03	1.88E-03	5.59E-02	7.03E-03	9.38E-04	6.57E-02	1.79E-03	1.11E-07	9.37E-05	2.56E-05	1.91E-03
1322	490708.06	3859690.74	3.98E-03	1.30E-07	9.47E-05	2.53E-05	4.10E-03	1.88E-03	5.37E-02	7.10E-03	9.29E-04	6.36E-02	1.78E-03	1.07E-07	9.47E-05	2.53E-05	1.90E-03
1323	490758.06	3859690.74	3.94E-03	1.26E-07	9.55E-05	2.51E-05	4.06E-03	1.86E-03	5.21E-02	7.16E-03	9.22E-04	6.20E-02	1.77E-03	1.04E-07	9.55E-05	2.51E-05	1.89E-03
1324	490808.06	3859690.74	3.87E-03	1.22E-07	9.61E-05	2.49E-05	3.99E-03	1.82E-03	5.01E-02	7.20E-03	9.12E-04	6.01E-02	1.73E-03	9.99E-08	9.61E-05	2.49E-05	1.85E-03
1325	490858.06	3859690.74	3.78E-03	1.19E-07	1.02E-04	2.47E-05	3.90E-03	1.78E-03	4.92E-02	7.62E-03	9.07E-04	5.95E-02	1.69E-03	9.80E-08	1.02E-04	2.47E-05	1.82E-03
1326	490708.06	3859740.74	3.89E-03	1.32E-07	9.11E-05	2.59E-05	4.00E-03	1.83E-03	5.45E-02	6.83E-03	9.48E-04	6.41E-02	1.74E-03	1.09E-07	9.11E-05	2.59E-05	1.86E-03
1327	490758.06	3859740.74	3.91E-03	1.30E-07	9.22E-05	2.53E-05	4.02E-03	1.84E-03	5.37E-02	6.91E-03	9.27E-04	6.33E-02	1.75E-03	1.07E-07	9.22E-05	2.53E-05	1.87E-03
1328	490808.06	3859740.74	3.87E-03	1.27E-07	9.30E-05	2.52E-05	3.99E-03	1.83E-03	5.21E-02	6.98E-03	9.25E-04	6.19E-02	1.74E-03	1.04E-07	9.30E-05	2.52E-05	1.85E-03
1329	490858.06	3859740.74	3.80E-03	1.23E-07	9.80E-05	2.53E-05	3.92E-03	1.79E-03	5.06E-02	7.35E-03	9.27E-04	6.07E-02	1.70E-03	1.01E-07	9.80E-05	2.53E-05	1.83E-03
1330	490786.56	3859749.39	3.88E-03	1.29E-07	9.21E-05	2.53E-05	4.00E-03	1.83E-03	5.31E-02	6.91E-03	9.27E-04	6.28E-02	1.74E-03	1.06E-07	9.21E-05	2.53E-05	1.86E-03
1331	490836.56	3859749.39	3.84E-03	1.25E-07	9.29E-05	2.53E-05	3.95E-03	1.81E-03	5.16E-02	6.96E-03	9.27E-04	6.13E-02	1.72E-03	1.03E-07	9.29E-05	2.53E-05	1.84E-03
1332	490786.56	3859799.39	3.79E-03	1.31E-07	8.84E-05	2.61E-05	3.90E-03	1.79E-03	5.39E-02	6.63E-03	9.58E-04	6.33E-02	1.70E-03	1.07E-07	8.84E-05	2.61E-05	1.81E-03
1333	490836.56	3859799.39	3.81E-03	1.28E-07	8.96E-05	2.57E-05	3.93E-03	1.80E-03	5.29E-02	6.72E-03	9.43E-04	6.23E-02	1.71E-03	1.05E-07	8.96E-05	2.57E-05	1.82E-03
1334	492307.84	3854508.36	2.70E-03	1.10E-08	7.63E-05	1.87E-05	2.80E-03	1.27E-03	4.55E-03	5.72E-03	6.87E-04	1.22E-02	1.21E-03	9.06E-09	7.63E-05	1.87E-05	1.31E-03
1335	486445.7	3854753.6	3.38E-03	1.16E-08	4.32E-05	3.73E-05	3.46E-03	1.59E-03	4.77E-03	3.24E-03	1.37E-03	1.10E-02	1.52E-03	9.51E-09	4.32E-05	3.73E-05	1.60E-03
1336	472599.75	3877830.11	3.21E-04	4.50E-09	3.62E-06	4.72E-06	3.29E-04	1.51E-04	1.86E-03	2.71E-04	1.73E-04	2.45E-03	1.44E-04	3.70E-09	3.62E-06	4.72E-06	1.52E-04
1337	493107.48	3866840.19	1.38E-03	1.36E-08	1.75E-05	1.49E-05	1.42E-03	6.52E-04	5.62E-03	1.31E-03	5.48E-04	8.13E-03	6.20E-04	1.12E-08	1.75E-05	1.49E-05	6.53E-04
1338	495815.79	3861662.87	1.61E-03	3.41E-08	4.17E-05	1.22E-05	1.67E-03	7.61E-04	1.40E-02	3.13E-03	4.48E-04	1.84E-02	7.23E-04	2.80E-08	4.17E-05	1.22E-05	7.77E-04

1339	480272.33	3841389.2	1.65E-04	1.27E-09	9.71E-06	5.16E-06	1.79E-04	7.76E-05	5.22E-04	7.29E-04	1.89E-04	1.52E-03	7.38E-05	1.04E-09	9.71E-06	5.16E-06	8.87E-05
1340	497005.18	3862813.64	1.25E-03	2.71E-08	3.81E-05	1.28E-05	1.30E-03	5.91E-04	1.11E-02	2.85E-03	4.69E-04	1.51E-02	5.62E-04	2.22E-08	3.81E-05	1.28E-05	6.13E-04
1341	493677.33	3860302.55	3.19E-03	6.14E-08	8.14E-05	1.91E-05	3.29E-03	1.50E-03	2.53E-02	6.10E-03	7.00E-04	3.36E-02	1.43E-03	5.04E-08	8.14E-05	1.91E-05	1.53E-03
1342	493727.33	3860302.55	3.22E-03	6.07E-08	8.45E-05	1.90E-05	3.32E-03	1.52E-03	2.50E-02	6.34E-03	6.97E-04	3.36E-02	1.44E-03	4.98E-08	8.45E-05	1.90E-05	1.55E-03
1343	493777.33	3860302.55	3.18E-03	5.99E-08	8.27E-05	1.89E-05	3.28E-03	1.50E-03	2.47E-02	6.21E-03	6.94E-04	3.31E-02	1.43E-03	4.92E-08	8.27E-05	1.89E-05	1.53E-03
1344	493827.33	3860302.55	3.14E-03	5.91E-08	8.32E-05	1.88E-05	3.24E-03	1.48E-03	2.44E-02	6.24E-03	6.91E-04	3.28E-02	1.41E-03	4.85E-08	8.32E-05	1.88E-05	1.51E-03
1345	493877.33	3860302.55	3.15E-03	5.84E-08	8.50E-05	1.88E-05	3.26E-03	1.49E-03	2.41E-02	6.38E-03	6.88E-04	3.26E-02	1.41E-03	4.80E-08	8.50E-05	1.88E-05	1.52E-03
1346	493927.33	3860302.55	3.19E-03	5.81E-08	8.68E-05	1.87E-05	3.30E-03	1.51E-03	2.39E-02	6.51E-03	6.86E-04	3.27E-02	1.43E-03	4.77E-08	8.68E-05	1.87E-05	1.54E-03
1347	493977.33	3860302.55	3.24E-03	5.73E-08	8.82E-05	1.86E-05	3.35E-03	1.53E-03	2.36E-02	6.62E-03	6.81E-04	3.24E-02	1.45E-03	4.70E-08	8.82E-05	1.86E-05	1.56E-03
1348	494027.33	3860302.55	3.23E-03	5.66E-08	8.97E-05	1.85E-05	3.34E-03	1.52E-03	2.33E-02	6.73E-03	6.77E-04	3.22E-02	1.45E-03	4.64E-08	8.97E-05	1.85E-05	1.56E-03
1349	493677.33	3860352.55	3.00E-03	6.22E-08	8.56E-05	1.91E-05	3.10E-03	1.41E-03	2.56E-02	6.42E-03	7.00E-04	3.42E-02	1.34E-03	5.10E-08	8.56E-05	1.91E-05	1.45E-03
1350	493727.33	3860352.55	3.06E-03	6.16E-08	8.27E-05	1.90E-05	3.16E-03	1.44E-03	2.54E-02	6.20E-03	6.97E-04	3.37E-02	1.37E-03	5.06E-08	8.27E-05	1.90E-05	1.48E-03
1351	493777.33	3860352.55	3.12E-03	6.10E-08	7.98E-05	1.90E-05	3.22E-03	1.47E-03	2.51E-02	5.99E-03	6.95E-04	3.33E-02	1.40E-03	5.01E-08	7.98E-05	1.90E-05	1.50E-03
1352	493827.33	3860352.55	3.16E-03	6.03E-08	8.25E-05	1.89E-05	3.26E-03	1.49E-03	2.49E-02	6.19E-03	6.93E-04	3.32E-02	1.42E-03	4.95E-08	8.25E-05	1.89E-05	1.52E-03
1353	493877.33	3860352.55	3.12E-03	5.96E-08	8.31E-05	1.88E-05	3.22E-03	1.47E-03	2.46E-02	6.23E-03	6.90E-04	3.30E-02	1.40E-03	4.89E-08	8.31E-05	1.88E-05	1.50E-03
1354	493927.33	3860352.55	3.08E-03	5.86E-08	8.11E-05	1.87E-05	3.18E-03	1.45E-03	2.42E-02	6.08E-03	6.87E-04	3.24E-02	1.38E-03	4.81E-08	8.11E-05	1.87E-05	1.48E-03
1355	493977.33	3860352.55	3.10E-03	5.75E-08	8.26E-05	1.86E-05	3.20E-03	1.46E-03	2.37E-02	6.20E-03	6.84E-04	3.20E-02	1.39E-03	4.72E-08	8.26E-05	1.86E-05	1.49E-03
1356	494027.33	3860352.55	3.14E-03	5.67E-08	8.43E-05	1.86E-05	3.24E-03	1.48E-03	2.34E-02	6.33E-03	6.81E-04	3.18E-02	1.41E-03	4.65E-08	8.43E-05	1.86E-05	1.51E-03
1357	493677.33	3860402.55	2.94E-03	6.27E-08	8.55E-05	1.90E-05	3.04E-03	1.38E-03	2.58E-02	6.41E-03	6.97E-04	3.43E-02	1.32E-03	5.14E-08	8.55E-05	1.90E-05	1.42E-03
1358	493727.33	3860402.55	2.89E-03	6.21E-08	8.58E-05	1.90E-05	2.99E-03	1.36E-03	2.56E-02	6.44E-03	6.95E-04	3.41E-02	1.29E-03	5.10E-08	8.58E-05	1.90E-05	1.40E-03
1359	493777.33	3860402.55	2.94E-03	6.15E-08	8.50E-05	1.89E-05	3.05E-03	1.39E-03	2.53E-02	6.38E-03	6.92E-04	3.38E-02	1.32E-03	5.05E-08	8.50E-05	1.89E-05	1.42E-03
1360	493827.33	3860402.55	3.00E-03	6.10E-08	8.21E-05	1.88E-05	3.10E-03	1.42E-03	2.51E-02	6.15E-03	6.91E-04	3.34E-02	1.35E-03	5.00E-08	8.21E-05	1.88E-05	1.45E-03
1361	493877.33	3860402.55	3.06E-03	6.04E-08	7.93E-05	1.88E-05	3.16E-03	1.45E-03	2.49E-02	5.95E-03	6.89E-04	3.30E-02	1.37E-03	4.96E-08	7.93E-05	1.88E-05	1.47E-03
1362	493927.33	3860402.55	3.11E-03	5.97E-08	7.99E-05	1.87E-05	3.21E-03	1.47E-03	2.46E-02	5.99E-03	6.85E-04	3.27E-02	1.39E-03	4.90E-08	7.99E-05	1.87E-05	1.49E-03
1363	493977.33	3860402.55	3.08E-03	5.88E-08	8.26E-05	1.86E-05	3.18E-03	1.45E-03	2.42E-02	6.19E-03	6.82E-04	3.26E-02	1.38E-03	4.83E-08	8.26E-05	1.86E-05	1.48E-03
1364	494027.33	3860402.55	3.04E-03	5.80E-08	8.02E-05	1.86E-05	3.13E-03	1.43E-03	2.39E-02	6.01E-03	6.80E-04	3.20E-02	1.36E-03	4.76E-08	8.02E-05	1.86E-05	1.46E-03
1365	493677.33	3860452.55	2.81E-03	6.27E-08	8.15E-05	1.88E-05	2.91E-03	1.33E-03	2.58E-02	6.11E-03	6.89E-04	3.39E-02	1.26E-03	5.14E-08	8.15E-05	1.88E-05	1.36E-03
1366	493727.33	3860452.55	2.86E-03	6.22E-08	8.15E-05	1.88E-05	2.96E-03	1.35E-03	2.56E-02	6.11E-03	6.89E-04	3.38E-02	1.28E-03	5.10E-08	8.15E-05	1.88E-05	1.38E-03
1367	493777.33	3860452.55	2.87E-03	6.17E-08	8.21E-05	1.87E-05	2.97E-03	1.35E-03	2.54E-02	6.16E-03	6.87E-04	3.36E-02	1.29E-03	5.06E-08	8.21E-05	1.87E-05	1.39E-03
1368	493827.33	3860452.55	2.83E-03	6.12E-08	8.33E-05	1.87E-05	2.93E-03	1.34E-03	2.52E-02	6.24E-03	6.85E-04	3.35E-02	1.27E-03	5.02E-08	8.33E-05	1.87E-05	1.37E-03
1369	493877.33	3860452.55	2.89E-03	6.07E-08	8.40E-05	1.86E-05	2.99E-03	1.36E-03	2.50E-02	6.30E-03	6.83E-04	3.34E-02	1.29E-03	4.98E-08	8.40E-05	1.86E-05	1.40E-03
1370	493927.33	3860452.55	2.96E-03	6.01E-08	8.20E-05	1.85E-05	3.06E-03	1.40E-03	2.48E-02	6.15E-03	6.80E-04	3.30E-02	1.33E-03	4.93E-08	8.20E-05	1.85E-05	1.43E-03
1371	493977.33	3860452.55	3.02E-03	5.96E-08	7.93E-05	1.85E-05	3.12E-03	1.42E-03	2.45E-02	5.95E-03	6.78E-04	3.26E-02	1.35E-03	4.89E-08	7.93E-05	1.85E-05	1.45E-03
1372	494027.33	3860452.55	3.06E-03	5.90E-08	7.70E-05	1.84E-05	3.15E-03	1.44E-03	2.43E-02	5.78E-03	6.76E-04	3.22E-02	1.37E-03	4.84E-08	7.70E-05	1.84E-05	1.47E-03
1373	493677.33	3860502.55	2.66E-03	6.15E-08	7.41E-05	1.85E-05	2.75E-03	1.25E-03	2.53E-02	5.56E-03	6.79E-04	3.28E-02	1.19E-03	5.05E-08	7.41E-05	1.85E-05	1.29E-03
1374	493727.33	3860502.55	2.67E-03	6.10E-08	7.63E-05	1.85E-05	2.76E-03	1.26E-03	2.51E-02	5.72E-03	6.78E-04	3.28E-02	1.20E-03	5.00E-08	7.63E-05	1.85E-05	1.29E-03
1375	493777.33	3860502.55	2.76E-03	6.05E-08	7.82E-05	1.85E-05	2.85E-03	1.30E-03	2.49E-02	5.87E-03	6.77E-04	3.28E-02	1.24E-03	4.96E-08	7.82E-05	1.85E-05	1.33E-03
1376	493827.33	3860502.55	2.80E-03	6.00E-08	7.91E-05	1.84E-05	2.90E-03	1.32E-03	2.47E-02	5.93E-03	6.76E-04	3.27E-02	1.26E-03	4.92E-08	7.91E-05	1.84E-05	1.36E-03
1377	493877.33	3860502.55	2.83E-03	5.95E-08	8.04E-05	1.84E-05	2.93E-03	1.33E-03	2.45E-02	6.03E-03	6.74E-04	3.26E-02	1.27E-03	4.89E-08	8.04E-05	1.84E-05	1.37E-03
1378	493927.33	3860502.55	2.79E-03	5.91E-08	8.18E-05	1.83E-05	2.89E-03	1.32E-03	2.43E-02	6.14E-03	6.72E-04	3.25E-02	1.25E-03	4.85E-08	8.18E-05	1.83E-05	1.35E-03
1379	493977.33	3860502.55	2.84E-03	5.86E-08	8.21E-05	1.83E-05	2.94E-03	1.34E-03	2.41E-02	6.16E-03	6.71E-04	3.23E-02	1.27E-03	4.81E-08	8.21E-05	1.83E-05	1.37E-03
1380	494027.33	3860502.55	2.90E-03	5.81E-08	8.11E-05	1.82E-05	3.00E-03	1.37E-03	2.40E-02	6.08E-03	6.69E-04	3.21E-02	1.30E-03	4.77E-08	8.11E-05	1.82E-05	1.40E-03
1381	493627.33	3860552.55	2.65E-03	6.05E-08	6.23E-05	1.81E-05	2.73E-03	1.25E-03	2.49E-02	4.67E-03	6.65E-04	3.15E-02	1.19E-03	4.96E-08	6.23E-05	1.81E-05	1.27E-03
1382	493677.33	3860552.55	2.58E-03	6.00E-08	6.44E-05	1.82E-05	2.66E-03	1.21E-03	2.47E-02	4.83E-03	6.66E-04	3.14E-02	1.15E-03	4.92E-08	6.44E-05	1.82E-05	1.24E-03
1383	493727.33	3860552.55	2.54E-03	5.93E-08	6.69E-05	1.82E-05	2.63E-03	1.20E-03	2.44E-02	5.02E-03	6.66E-04	3.13E-02	1.14E-03	4.87E-08	6.69E-05	1.82E-05	1.23E-03
1384	493777.33	3860552.55	2.60E-03	5.87E-08	7.02E-05	1.81E-05	2.69E-03	1.23E-03	2.42E-02	5.26E-03	6.65E-04	3.13E-02	1.17E-03	4.82E-08	7.02E-05	1.81E-05	1.25E-03
1385	493827.33	3860552.55	2.62E-03	5.84E-08	7.38E-05	1.81E-05	2.71E-03	1.24E-03	2.41E-02	5.54E-03	6.63E-04	3.15E-02	1.18E-03	4.79E-08	7.38E-05	1.81E-05	1.27E-03
1386	493877.33	3860552.55	2.70E-03	5.80E-08	7.59E-05	1.81E-05	2.80E-03	1.28E-03	2.39E-02	5.69E-03	6.63E-04	3.15E-02	1.21E-03	4.76E-08	7.59E-05	1.81E-05	1.31E-03
1387	493927.33	3860552.55	2.76E-03	5.75E-08	7.73E-05	1.80E-05	2.85E-03	1.30E-03	2.37E-02	5.79E-03	6.61E-04	3.15E-02	1.24E-03	4.72E-08	7.73E-05	1.80E-05	1.33E-03
1388	493977.33	3860552.55	2.78E-03	5.71E-08	7.86E-05	1.80E-05	2.88E-03	1.31E-03	2.35E-02	5.90E-03	6.59E-04	3.14E-02	1.25E-03	4.69E-08	7.86E-05	1.80E-05	1.34E-03
1389	494027.33	3860552.55	2.73E-03	5.67E-08	7.91E-05	1.80E-05	2.83E-03	1.29E-03	2.33E-02	5.93E-03	6.59E-04	3.12E-02	1.23E-03	4.65E-08	7.91E-05	1.80E-05	1.32E-03
1390	493627.33	3860602.55	2.60E-03	5.98E-08	6.36E-05	1.72E-05	2.68E-03	1.23E-03	2.47E-02	4.77E-03	6.32E-04	3.13E-02	1.17E-03	4.91E-08	6.36E-05	1.72E-05	1.25E-03
1391	493727.33	3860602.55	2.57E-03	5.86E-08	6.08E-05	1.74E-05	2.65E-03	1.21E-03	2.42E-02	4.56E-03	6.37E-04	3.06E-02	1.15E-03	4.81E-08	6.08E-05	1.74E-05	1.23E-03
1392	493777.33	3860602.55	2.49E-03	5.80E-08	6.17E-05	1.74E-05	2.57E-03	1.17E-03	2.39E-02	4.63E-03	6.37E-04	3.03E-02	1.12E-03	4.76E-08	6.17E-05	1.74E-05	1.19E-03
1393	493827.33	3860602.55	2.50E-03	5.74E-08	6.47E-05	1.74E-05	2.58E-03	1.18E-03	2.37E-02	4.85E-03	6.38E-04	3.03E-02	1.12E-03	4.71E-08	6.47E-05	1.74E-05	1.20E-03
1394	493877.33	3860602.55	2.56E-03	5.68E-08	6.84E-05	1.74E-05	2.64E-03	1.21E-03	2.34E-02	5.13E-03	6.38E-04	3.04E-02	1.15E-03	4.66E-08	6.84E-05	1.74E-05	1.23E-03
1395	493927.33	3860602.55	2.58E-03	5.62E-08	7.16E-05	1.74E-05	2.67E-03	1.22E-03	2.32E-02	5.37E-03	6.39E-04	3.04E-02	1.16E-03	4.61E-08	7.16E-05	1.74E-05	1.25E-03
1396	493977.33	3860602.55	2.67E-03	5.56E-08	7.44E-05	1.74E-05	2.76E-03	1.26E-03	2.29E-02	5.58E-03	6.39E-04	3.04E-02	1.20E-03	4.56E-08	7.44E-05	1.74E-05	1.29E-03
1397	494027.33	3860602.55	2.71E-03	5.51E-08	7.51E-05	1.75E-05	2.80E-03	1.28E-03	2.27E-02	5.63E-03	6.41E-04	3.02E-02	1.21E-03	4.52E-08	7.51E-05	1.75E-05	1.31E-03
1398	493627.33	3860652.55	2.42E-03	5.81E-08	6.00E-05	1.71E-05	2.50E-03	1.14E-03	2.39E-02	4.50E-03	6.28E-04	3.02E-02	1.09E-03	4.77E-08	6.00E-05	1.71E-05	1.16E-03
1399	493727.33	3860652.55	2.53E-03	5.77E-08	6.03E-05	1.71E-05	2.60E-03	1.19E-03	2.38E-02	4.53E-03	6.28E-04	3.01E-02	1.13E-03	4.73E-08	6.03E-05	1.71E-05	1.21E-03

1400	493777.33	3860652.55	2.53E-03	5.73E-08	6.25E-05	1.71E-05	2.61E-03	1.19E-03	2.36E-02	4.69E-03	6.25E-04	3.01E-02	1.13E-03	4.70E-08	6.25E-05	1.71E-05	1.21E-03
1401	493827.33	3860652.55	2.53E-03	5.67E-08	6.01E-05	1.70E-05	2.60E-03	1.19E-03	2.34E-02	4.51E-03	6.22E-04	2.97E-02	1.13E-03	4.65E-08	6.01E-05	1.70E-05	1.21E-03
1402	493877.33	3860652.55	2.41E-03	5.61E-08	6.02E-05	1.68E-05	2.49E-03	1.14E-03	2.31E-02	4.52E-03	6.17E-04	2.94E-02	1.08E-03	4.60E-08	6.02E-05	1.68E-05	1.16E-03
1403	493927.33	3860652.55	2.46E-03	5.56E-08	6.33E-05	1.67E-05	2.54E-03	1.16E-03	2.29E-02	4.75E-03	6.13E-04	2.94E-02	1.10E-03	4.56E-08	6.33E-05	1.67E-05	1.18E-03
1404	493977.33	3860652.55	2.51E-03	5.50E-08	6.62E-05	1.66E-05	2.59E-03	1.18E-03	2.27E-02	4.97E-03	6.08E-04	2.94E-02	1.13E-03	4.51E-08	6.62E-05	1.66E-05	1.21E-03
1405	494027.33	3860652.55	2.55E-03	5.45E-08	6.97E-05	1.65E-05	2.63E-03	1.20E-03	2.24E-02	5.23E-03	6.06E-04	2.95E-02	1.14E-03	4.47E-08	6.97E-05	1.65E-05	1.23E-03
1406	494311.06	3858401.99	1.22E-03	1.29E-08	7.27E-05	1.48E-05	1.31E-03	5.74E-04	5.33E-03	5.45E-03	5.43E-04	1.19E-02	5.46E-04	1.06E-08	7.27E-05	1.48E-05	6.34E-04
1407	494361.06	3858401.99	1.19E-03	1.27E-08	7.14E-05	1.47E-05	1.27E-03	5.59E-04	5.25E-03	5.35E-03	5.41E-04	1.17E-02	5.32E-04	1.05E-08	7.14E-05	1.47E-05	6.18E-04
1408	494411.06	3858401.99	1.16E-03	1.26E-08	7.03E-05	1.47E-05	1.24E-03	5.47E-04	5.21E-03	5.28E-03	5.39E-04	1.16E-02	5.20E-04	1.04E-08	7.03E-05	1.47E-05	6.05E-04
1409	494461.06	3858401.99	1.15E-03	1.25E-08	6.96E-05	1.47E-05	1.24E-03	5.44E-04	5.17E-03	5.22E-03	5.38E-04	1.15E-02	5.18E-04	1.03E-08	6.96E-05	1.47E-05	6.02E-04
1410	494511.06	3858401.99	1.12E-03	1.24E-08	6.86E-05	1.46E-05	1.21E-03	5.30E-04	5.09E-03	5.14E-03	5.36E-04	1.13E-02	5.04E-04	1.01E-08	6.86E-05	1.46E-05	5.87E-04
1411	494561.06	3858401.99	1.11E-03	1.23E-08	6.83E-05	1.47E-05	1.20E-03	5.26E-04	5.05E-03	5.12E-03	5.37E-04	1.12E-02	5.00E-04	1.01E-08	6.83E-05	1.47E-05	5.83E-04
1412	494611.06	3858401.99	1.10E-03	1.21E-08	6.73E-05	1.46E-05	1.18E-03	5.19E-04	4.98E-03	5.05E-03	5.36E-04	1.11E-02	4.93E-04	9.92E-09	6.73E-05	1.46E-05	5.75E-04
1413	494661.06	3858401.99	1.08E-03	1.19E-08	6.64E-05	1.46E-05	1.16E-03	5.10E-04	4.92E-03	4.98E-03	5.34E-04	1.09E-02	4.85E-04	9.80E-09	6.64E-05	1.46E-05	5.66E-04
1414	494711.06	3858401.99	1.04E-03	1.17E-08	6.46E-05	1.44E-05	1.12E-03	4.91E-04	4.83E-03	4.85E-03	5.29E-04	1.07E-02	4.67E-04	9.63E-09	6.46E-05	1.44E-05	5.46E-04
1415	494761.06	3858401.99	1.03E-03	1.14E-08	6.38E-05	1.44E-05	1.10E-03	4.84E-04	4.71E-03	4.79E-03	5.29E-04	1.05E-02	4.60E-04	9.37E-09	6.38E-05	1.44E-05	5.38E-04
1416	494811.06	3858401.99	9.97E-04	1.13E-08	6.28E-05	1.43E-05	1.07E-03	4.70E-04	4.64E-03	4.71E-03	5.26E-04	1.03E-02	4.47E-04	9.24E-09	6.28E-05	1.43E-05	5.24E-04
1417	494861.06	3858401.99	9.73E-04	1.12E-08	6.19E-05	1.43E-05	1.05E-03	4.59E-04	4.61E-03	4.64E-03	5.23E-04	1.02E-02	4.36E-04	9.18E-09	6.19E-05	1.43E-05	5.12E-04
1418	494911.06	3858401.99	9.53E-04	1.11E-08	6.10E-05	1.42E-05	1.03E-03	4.50E-04	4.58E-03	4.57E-03	5.22E-04	1.01E-02	4.27E-04	9.11E-09	6.10E-05	1.42E-05	5.03E-04
1419	494961.06	3858401.99	9.42E-04	1.10E-08	6.00E-05	1.42E-05	1.02E-03	4.44E-04	4.52E-03	4.50E-03	5.19E-04	9.98E-03	4.22E-04	8.99E-09	6.00E-05	1.42E-05	4.97E-04
1420	495011.06	3858401.99	9.29E-04	1.08E-08	5.95E-05	1.41E-05	1.00E-03	4.38E-04	4.44E-03	4.46E-03	5.16E-04	9.85E-03	4.17E-04	8.84E-09	5.95E-05	1.41E-05	4.90E-04
1421	495061.06	3858401.99	9.18E-04	1.06E-08	5.94E-05	1.40E-05	9.91E-04	4.33E-04	4.37E-03	4.46E-03	5.14E-04	9.77E-03	4.12E-04	8.71E-09	5.94E-05	1.40E-05	4.85E-04
1422	495111.06	3858401.99	9.00E-04	1.04E-08	5.84E-05	1.36E-05	9.72E-04	4.24E-04	4.29E-03	4.38E-03	4.98E-04	9.60E-03	4.04E-04	8.55E-09	5.84E-05	1.36E-05	4.76E-04
1423	495161.06	3858401.99	8.93E-04	1.04E-08	5.82E-05	1.35E-05	9.65E-04	4.21E-04	4.27E-03	4.37E-03	4.97E-04	9.55E-03	4.01E-04	8.51E-09	5.82E-05	1.35E-05	4.72E-04
1424	495211.06	3858401.99	8.73E-04	1.02E-08	5.71E-05	1.34E-05	9.43E-04	4.12E-04	4.20E-03	4.28E-03	4.91E-04	9.38E-03	3.91E-04	8.37E-09	5.71E-05	1.34E-05	4.62E-04
1425	495261.06	3858401.99	8.57E-04	1.01E-08	5.68E-05	1.33E-05	9.27E-04	4.04E-04	4.16E-03	4.26E-03	4.87E-04	9.32E-03	3.84E-04	8.29E-09	5.68E-05	1.33E-05	4.55E-04
1426	495311.06	3858401.99	8.40E-04	1.00E-08	5.66E-05	1.32E-05	9.10E-04	3.96E-04	4.12E-03	4.24E-03	4.83E-04	9.24E-03	3.77E-04	8.21E-09	5.66E-05	1.32E-05	4.46E-04
1427	495361.06	3858401.99	8.31E-04	9.94E-09	5.63E-05	1.31E-05	9.01E-04	3.92E-04	4.09E-03	4.23E-03	4.81E-04	9.19E-03	3.73E-04	8.15E-09	5.63E-05	1.31E-05	4.42E-04
1428	495411.06	3858401.99	8.33E-04	9.89E-09	5.58E-05	1.31E-05	9.02E-04	3.93E-04	4.08E-03	4.19E-03	4.80E-04	9.14E-03	3.74E-04	8.12E-09	5.58E-05	1.31E-05	4.43E-04
1429	495461.06	3858401.99	8.35E-04	9.86E-09	5.53E-05	1.31E-05	9.04E-04	3.94E-04	4.06E-03	4.15E-03	4.79E-04	9.09E-03	3.75E-04	8.09E-09	5.53E-05	1.31E-05	4.43E-04
1430	495511.06	3858401.99	8.35E-04	9.83E-09	5.48E-05	1.31E-05	9.03E-04	3.94E-04	4.05E-03	4.11E-03	4.79E-04	9.03E-03	3.75E-04	8.06E-09	5.48E-05	1.31E-05	4.42E-04
1431	495561.06	3858401.99	8.33E-04	9.73E-09	5.44E-05	1.30E-05	9.00E-04	3.93E-04	4.01E-03	4.08E-03	4.78E-04	8.96E-03	3.73E-04	7.98E-09	5.44E-05	1.30E-05	4.41E-04
1432	495611.06	3858401.99	8.36E-04	9.70E-09	5.42E-05	1.30E-05	9.03E-04	3.94E-04	4.00E-03	4.07E-03	4.78E-04	8.93E-03	3.75E-04	7.96E-09	5.42E-05	1.30E-05	4.42E-04
1433	495661.06	3858401.99	8.48E-04	9.74E-09	5.40E-05	1.31E-05	9.15E-04	4.00E-04	4.01E-03	4.05E-03	4.79E-04	8.94E-03	3.80E-04	7.99E-09	5.40E-05	1.31E-05	4.47E-04
1434	494311.06	3858451.99	1.31E-03	1.34E-08	7.99E-05	1.49E-05	1.40E-03	6.18E-04	5.51E-03	5.99E-03	5.48E-04	1.27E-02	5.87E-04	1.10E-08	7.99E-05	1.49E-05	6.82E-04
1435	494361.06	3858451.99	1.27E-03	1.33E-08	7.49E-05	1.49E-05	1.36E-03	5.99E-04	5.46E-03	5.62E-03	5.46E-04	1.22E-02	5.70E-04	1.09E-08	7.49E-05	1.49E-05	6.60E-04
1436	494411.06	3858451.99	1.24E-03	1.32E-08	7.39E-05	1.49E-05	1.33E-03	5.86E-04	5.42E-03	5.54E-03	5.45E-04	1.21E-02	5.57E-04	1.08E-08	7.39E-05	1.49E-05	6.46E-04
1437	494461.06	3858451.99	1.23E-03	1.31E-08	7.30E-05	1.48E-05	1.32E-03	5.82E-04	5.38E-03	5.47E-03	5.44E-04	1.20E-02	5.53E-04	1.07E-08	7.30E-05	1.48E-05	6.41E-04
1438	494511.06	3858451.99	1.24E-03	1.29E-08	7.23E-05	1.49E-05	1.32E-03	5.83E-04	5.33E-03	5.42E-03	5.45E-04	1.19E-02	5.54E-04	1.06E-08	7.23E-05	1.49E-05	6.41E-04
1439	494561.06	3858451.99	1.21E-03	1.27E-08	7.12E-05	1.49E-05	1.30E-03	5.73E-04	5.23E-03	5.34E-03	5.46E-04	1.17E-02	5.45E-04	1.04E-08	7.12E-05	1.49E-05	6.31E-04
1440	494611.06	3858451.99	1.20E-03	1.25E-08	7.03E-05	1.49E-05	1.29E-03	5.66E-04	5.16E-03	5.27E-03	5.48E-04	1.15E-02	5.38E-04	1.03E-08	7.03E-05	1.49E-05	6.24E-04
1441	494661.06	3858451.99	1.17E-03	1.23E-08	6.93E-05	1.50E-05	1.25E-03	5.52E-04	5.08E-03	5.20E-03	5.49E-04	1.14E-02	5.25E-04	1.01E-08	6.93E-05	1.50E-05	6.09E-04
1442	494711.06	3858451.99	1.13E-03	1.21E-08	6.83E-05	1.49E-05	1.22E-03	5.35E-04	4.98E-03	5.12E-03	5.47E-04	1.12E-02	5.08E-04	9.91E-09	6.83E-05	1.49E-05	5.92E-04
1443	494761.06	3858451.99	1.10E-03	1.19E-08	6.72E-05	1.48E-05	1.18E-03	5.17E-04	4.89E-03	5.04E-03	5.42E-04	1.10E-02	4.92E-04	9.74E-09	6.72E-05	1.48E-05	5.74E-04
1444	494811.06	3858451.99	1.08E-03	1.18E-08	6.62E-05	1.47E-05	1.16E-03	5.08E-04	4.85E-03	4.97E-03	5.37E-04	1.09E-02	4.83E-04	9.67E-09	6.62E-05	1.47E-05	5.64E-04
1445	494861.06	3858451.99	1.05E-03	1.17E-08	6.38E-05	1.45E-05	1.13E-03	4.95E-04	4.81E-03	4.78E-03	5.32E-04	1.06E-02	4.71E-04	9.58E-09	6.38E-05	1.45E-05	5.49E-04
1446	494911.06	3858451.99	1.02E-03	1.15E-08	6.37E-05	1.44E-05	1.09E-03	4.79E-04	4.73E-03	4.78E-03	5.29E-04	1.05E-02	4.55E-04	9.42E-09	6.37E-05	1.44E-05	5.33E-04
1447	494961.06	3858451.99	9.93E-04	1.11E-08	6.29E-05	1.43E-05	1.07E-03	4.68E-04	4.57E-03	4.72E-03	5.24E-04	1.03E-02	4.45E-04	9.11E-09	6.29E-05	1.43E-05	5.23E-04
1448	495011.06	3858451.99	9.53E-04	1.10E-08	6.18E-05	1.42E-05	1.03E-03	4.50E-04	4.51E-03	4.63E-03	5.22E-04	1.01E-02	4.28E-04	8.99E-09	6.18E-05	1.42E-05	5.04E-04
1449	495061.06	3858451.99	9.40E-04	1.09E-08	6.11E-05	1.42E-05	1.02E-03	4.44E-04	4.48E-03	4.58E-03	5.20E-04	1.00E-02	4.22E-04	8.93E-09	6.11E-05	1.42E-05	4.97E-04
1450	495111.06	3858451.99	9.20E-04	1.07E-08	5.99E-05	1.41E-05	9.94E-04	4.34E-04	4.42E-03	4.49E-03	5.18E-04	9.87E-03	4.12E-04	8.81E-09	5.99E-05	1.41E-05	4.87E-04
1451	495161.06	3858451.99	9.05E-04	1.06E-08	5.87E-05	1.41E-05	9.78E-04	4.27E-04	4.36E-03	4.40E-03	5.16E-04	9.70E-03	4.06E-04	8.69E-09	5.87E-05	1.41E-05	4.79E-04
1452	495211.06	3858451.99	8.92E-04	1.04E-08	5.75E-05	1.35E-05	9.63E-04	4.21E-04	4.30E-03	4.31E-03	4.94E-04	9.53E-03	4.00E-04	8.57E-09	5.75E-05	1.35E-05	4.71E-04
1453	495261.06	3858451.99	8.82E-04	1.04E-08	5.67E-05	1.34E-05	9.52E-04	4.16E-04	4.27E-03	4.25E-03	4.90E-04	9.42E-03	3.95E-04	8.50E-09	5.67E-05	1.34E-05	4.66E-04
1454	495311.06	3858451.99	8.72E-04	1.03E-08	5.64E-05	1.33E-05	9.42E-04	4.11E-04	4.23E-03	4.23E-03	4.87E-04	9.36E-03	3.91E-04	8.43E-09	5.64E-05	1.33E-05	4.61E-04
1455	495361.06	3858451.99	8.64E-04	1.02E-08	5.63E-05	1.32E-05	9.34E-04	4.07E-04	4.21E-03	4.22E-03	4.84E-04	9.32E-03	3.87E-04	8.38E-09	5.63E-05	1.32E-05	4.57E-04
1456	495411.06	3858451.99	8.58E-04	1.02E-08	5.62E-05	1.32E-05	9.27E-04	4.05E-04	4.19E-03	4.22E-03	4.83E-04	9.30E-03	3.85E-04	8.35E-09	5.62E-05	1.32E-05	4.54E-04
1457	495461.06	3858451.99	8.52E-04	1.02E-08	5.61E-05	1.31E-05	9.21E-04	4.02E-04	4.18E-03	4.21E-03	4.82E-04	9.28E-03	3.82E-04	8.33E-09	5.61E-05	1.31E-05	4.51E-04
1458	495511.06	3858451.99	8.46E-04	1.01E-08	5.60E-05	1.31E-05	9.15E-04	3.99E-04	4.15E-03	4.20E-03	4.81E-04	9.23E-03	3.79E-04	8.27E-09	5.60E-05	1.31E-05	4.49E-04
1459	495561.06	3858451.99	8.57E-04	1.01E-08	5.60E-05	1.31E-05	9.26E-04	4.04E-04	4.15E-03	4.20E-03	4.80E-04	9.23E-03	3.84E-04	8.27E-09	5.60E-05	1.31E-05	4.53E-04
1460	495611.06	3858451.99	8.48E-04	1.00E-08	5.58E-05	1.31E-05	9.17E-04	4.00E-04	4.12E-03	4.18E-03	4.79E-04	9.18E-03	3.80E-04	8.20E-09	5.58E-05	1.31E-05	4.49E-04

1461	495661.06	3858451.99	8.55E-04	9.98E-09	5.57E-05	1.30E-05	9.24E-04	4.03E-04	4.11E-03	4.18E-03	4.78E-04	9.17E-03	3.83E-04	8.19E-09	5.57E-05	1.30E-05	4.52E-04
1462	494311.06	3858501.99	1.35E-03	1.37E-08	8.44E-05	1.52E-05	1.45E-03	6.38E-04	5.65E-03	6.33E-03	5.56E-04	1.32E-02	6.06E-04	1.13E-08	8.44E-05	1.52E-05	7.06E-04
1463	494361.06	3858501.99	1.33E-03	1.36E-08	8.38E-05	1.52E-05	1.43E-03	6.28E-04	5.61E-03	6.29E-03	5.56E-04	1.31E-02	5.97E-04	1.12E-08	8.38E-05	1.52E-05	6.96E-04
1464	494411.06	3858501.99	1.32E-03	1.35E-08	8.32E-05	1.51E-05	1.41E-03	6.20E-04	5.55E-03	6.24E-03	5.54E-04	1.30E-02	5.90E-04	1.11E-08	8.32E-05	1.51E-05	6.88E-04
1465	494461.06	3858501.99	1.31E-03	1.34E-08	8.27E-05	1.51E-05	1.41E-03	6.20E-04	5.52E-03	6.20E-03	5.54E-04	1.29E-02	5.90E-04	1.10E-08	8.27E-05	1.51E-05	6.87E-04
1466	494511.06	3858501.99	1.28E-03	1.32E-08	7.62E-05	1.51E-05	1.37E-03	6.02E-04	5.42E-03	5.72E-03	5.55E-04	1.23E-02	5.72E-04	1.08E-08	7.62E-05	1.51E-05	6.64E-04
1467	494561.06	3858501.99	1.28E-03	1.31E-08	8.16E-05	1.51E-05	1.37E-03	6.02E-04	5.41E-03	6.12E-03	5.55E-04	1.27E-02	5.73E-04	1.08E-08	8.16E-05	1.51E-05	6.69E-04
1468	494611.06	3858501.99	1.25E-03	1.29E-08	7.57E-05	1.52E-05	1.34E-03	5.91E-04	5.32E-03	5.67E-03	5.57E-04	1.21E-02	5.62E-04	1.06E-08	7.57E-05	1.52E-05	6.53E-04
1469	494661.06	3858501.99	1.25E-03	1.28E-08	7.51E-05	1.52E-05	1.34E-03	5.90E-04	5.26E-03	5.63E-03	5.57E-04	1.20E-02	5.61E-04	1.05E-08	7.51E-05	1.52E-05	6.51E-04
1470	494711.06	3858501.99	1.23E-03	1.26E-08	7.39E-05	1.52E-05	1.32E-03	5.78E-04	5.17E-03	5.54E-03	5.58E-04	1.19E-02	5.50E-04	1.03E-08	7.39E-05	1.52E-05	6.39E-04
1471	494761.06	3858501.99	1.20E-03	1.24E-08	7.13E-05	1.51E-05	1.28E-03	5.64E-04	5.11E-03	5.35E-03	5.54E-04	1.16E-02	5.36E-04	1.02E-08	7.13E-05	1.51E-05	6.23E-04
1472	494811.06	3858501.99	1.16E-03	1.23E-08	6.87E-05	1.49E-05	1.25E-03	5.48E-04	5.05E-03	5.15E-03	5.48E-04	1.13E-02	5.22E-04	1.01E-08	6.87E-05	1.49E-05	6.05E-04
1473	494861.06	3858501.99	1.13E-03	1.22E-08	6.78E-05	1.48E-05	1.22E-03	5.34E-04	5.02E-03	5.09E-03	5.44E-04	1.12E-02	5.08E-04	9.99E-09	6.78E-05	1.48E-05	5.91E-04
1474	494911.06	3858501.99	1.08E-03	1.20E-08	6.64E-05	1.46E-05	1.16E-03	5.10E-04	4.93E-03	4.98E-03	5.35E-04	1.10E-02	4.85E-04	9.82E-09	6.64E-05	1.46E-05	5.66E-04
1475	494961.06	3858501.99	1.05E-03	1.19E-08	6.30E-05	1.45E-05	1.13E-03	4.97E-04	4.89E-03	4.73E-03	5.30E-04	1.06E-02	4.72E-04	9.74E-09	6.30E-05	1.45E-05	5.50E-04
1476	495011.06	3858501.99	1.01E-03	1.13E-08	6.20E-05	1.44E-05	1.09E-03	4.76E-04	4.65E-03	4.65E-03	5.26E-04	1.03E-02	4.53E-04	9.27E-09	6.20E-05	1.44E-05	5.29E-04
1477	495061.06	3858501.99	9.99E-04	1.12E-08	6.14E-05	1.43E-05	1.07E-03	4.71E-04	4.62E-03	4.61E-03	5.24E-04	1.02E-02	4.48E-04	9.20E-09	6.14E-05	1.43E-05	5.24E-04
1478	495111.06	3858501.99	9.57E-04	1.10E-08	6.02E-05	1.42E-05	1.03E-03	4.51E-04	4.54E-03	4.52E-03	5.22E-04	1.00E-02	4.29E-04	9.04E-09	6.02E-05	1.42E-05	5.04E-04
1479	495161.06	3858501.99	9.21E-04	1.09E-08	5.99E-05	1.42E-05	9.95E-04	4.34E-04	4.48E-03	4.49E-03	5.20E-04	9.93E-03	4.13E-04	8.93E-09	5.99E-05	1.42E-05	4.87E-04
1480	495211.06	3858501.99	9.05E-04	1.08E-08	5.98E-05	1.41E-05	9.79E-04	4.27E-04	4.43E-03	4.49E-03	5.18E-04	9.86E-03	4.06E-04	8.83E-09	5.98E-05	1.41E-05	4.80E-04
1481	495261.06	3858501.99	8.95E-04	1.07E-08	5.92E-05	1.41E-05	9.68E-04	4.22E-04	4.40E-03	4.44E-03	5.16E-04	9.77E-03	4.01E-04	8.76E-09	5.92E-05	1.41E-05	4.75E-04
1482	495311.06	3858501.99	8.88E-04	1.06E-08	5.86E-05	1.40E-05	9.61E-04	4.19E-04	4.37E-03	4.40E-03	5.14E-04	9.70E-03	3.98E-04	8.71E-09	5.86E-05	1.40E-05	4.71E-04
1483	495361.06	3858501.99	8.81E-04	1.06E-08	5.81E-05	1.40E-05	9.53E-04	4.16E-04	4.35E-03	4.36E-03	5.12E-04	9.63E-03	3.95E-04	8.67E-09	5.81E-05	1.40E-05	4.67E-04
1484	495411.06	3858501.99	8.75E-04	1.05E-08	5.76E-05	1.39E-05	9.47E-04	4.13E-04	4.34E-03	4.32E-03	5.10E-04	9.58E-03	3.92E-04	8.64E-09	5.76E-05	1.39E-05	4.64E-04
1485	495461.06	3858501.99	8.69E-04	1.05E-08	5.72E-05	1.38E-05	9.40E-04	4.10E-04	4.32E-03	4.29E-03	5.08E-04	9.53E-03	3.90E-04	8.61E-09	5.72E-05	1.38E-05	4.61E-04
1486	495511.06	3858501.99	8.63E-04	1.04E-08	5.66E-05	1.38E-05	9.34E-04	4.07E-04	4.30E-03	4.25E-03	5.05E-04	9.46E-03	3.87E-04	8.57E-09	5.66E-05	1.38E-05	4.58E-04
1487	495561.06	3858501.99	8.74E-04	1.04E-08	5.64E-05	1.37E-05	9.44E-04	4.12E-04	4.30E-03	4.23E-03	5.04E-04	9.45E-03	3.92E-04	8.57E-09	5.64E-05	1.37E-05	4.62E-04
1488	495611.06	3858501.99	8.71E-04	1.04E-08	5.61E-05	1.37E-05	9.40E-04	4.11E-04	4.27E-03	4.21E-03	5.02E-04	9.39E-03	3.90E-04	8.51E-09	5.61E-05	1.37E-05	4.60E-04
1489	495661.06	3858501.99	8.75E-04	1.04E-08	5.54E-05	1.36E-05	9.44E-04	4.13E-04	4.27E-03	4.15E-03	4.99E-04	9.33E-03	3.92E-04	8.50E-09	5.54E-05	1.36E-05	4.61E-04
1490	494311.06	3858551.99	1.36E-03	1.37E-08	8.47E-05	1.53E-05	1.46E-03	6.42E-04	5.64E-03	6.35E-03	5.62E-04	1.32E-02	6.11E-04	1.12E-08	8.47E-05	1.53E-05	7.11E-04
1491	494361.06	3858551.99	1.39E-03	1.38E-08	8.42E-05	1.53E-05	1.49E-03	6.57E-04	5.68E-03	6.31E-03	5.61E-04	1.32E-02	6.25E-04	1.13E-08	8.42E-05	1.53E-05	7.25E-04
1492	494411.06	3858551.99	1.40E-03	1.39E-08	8.37E-05	1.53E-05	1.50E-03	6.59E-04	5.72E-03	6.27E-03	5.62E-04	1.32E-02	6.26E-04	1.14E-08	8.37E-05	1.53E-05	7.25E-04
1493	494461.06	3858551.99	1.39E-03	1.39E-08	8.31E-05	1.53E-05	1.49E-03	6.54E-04	5.71E-03	6.24E-03	5.63E-04	1.32E-02	6.22E-04	1.14E-08	8.31E-05	1.53E-05	7.21E-04
1494	494511.06	3858551.99	1.37E-03	1.37E-08	8.26E-05	1.54E-05	1.47E-03	6.45E-04	5.64E-03	6.20E-03	5.63E-04	1.30E-02	6.13E-04	1.12E-08	8.26E-05	1.54E-05	7.11E-04
1495	494561.06	3858551.99	1.35E-03	1.36E-08	8.21E-05	1.54E-05	1.45E-03	6.37E-04	5.59E-03	6.16E-03	5.64E-04	1.29E-02	6.06E-04	1.11E-08	8.21E-05	1.54E-05	7.03E-04
1496	494611.06	3858551.99	1.33E-03	1.34E-08	8.16E-05	1.54E-05	1.42E-03	6.26E-04	5.52E-03	6.12E-03	5.65E-04	1.28E-02	5.95E-04	1.10E-08	8.16E-05	1.54E-05	6.92E-04
1497	494661.06	3858551.99	1.31E-03	1.33E-08	8.11E-05	1.54E-05	1.40E-03	6.16E-04	5.49E-03	6.08E-03	5.66E-04	1.28E-02	5.85E-04	1.09E-08	8.11E-05	1.54E-05	6.82E-04
1498	494711.06	3858551.99	1.29E-03	1.31E-08	8.06E-05	1.54E-05	1.38E-03	6.07E-04	5.39E-03	6.04E-03	5.66E-04	1.26E-02	5.77E-04	1.07E-08	8.06E-05	1.54E-05	6.74E-04
1499	494761.06	3858551.99	1.25E-03	1.29E-08	8.01E-05	1.51E-05	1.35E-03	5.90E-04	5.30E-03	6.01E-03	5.54E-04	1.25E-02	5.61E-04	1.06E-08	8.01E-05	1.51E-05	6.56E-04
1500	494811.06	3858551.99	1.23E-03	1.27E-08	7.19E-05	1.49E-05	1.32E-03	5.80E-04	5.25E-03	5.39E-03	5.48E-04	1.18E-02	5.51E-04	1.05E-08	7.19E-05	1.49E-05	6.38E-04
1501	494861.06	3858551.99	1.20E-03	1.26E-08	7.07E-05	1.49E-05	1.29E-03	5.67E-04	5.20E-03	5.30E-03	5.45E-04	1.16E-02	5.39E-04	1.04E-08	7.07E-05	1.49E-05	6.24E-04
1502	494911.06	3858551.99	1.17E-03	1.25E-08	6.92E-05	1.48E-05	1.25E-03	5.50E-04	5.15E-03	5.19E-03	5.41E-04	1.14E-02	5.23E-04	1.03E-08	6.92E-05	1.48E-05	6.07E-04
1503	494961.06	3858551.99	1.14E-03	1.21E-08	6.81E-05	1.47E-05	1.22E-03	5.38E-04	4.97E-03	5.11E-03	5.38E-04	1.12E-02	5.12E-04	9.90E-09	6.81E-05	1.47E-05	5.95E-04
1504	495011.06	3858551.99	1.10E-03	1.18E-08	6.65E-05	1.44E-05	1.18E-03	5.19E-04	4.87E-03	4.99E-03	5.30E-04	1.09E-02	4.94E-04	9.70E-09	6.65E-05	1.44E-05	5.75E-04
1505	495061.06	3858551.99	1.07E-03	1.17E-08	6.57E-05	1.44E-05	1.15E-03	5.06E-04	4.81E-03	4.93E-03	5.28E-04	1.08E-02	4.81E-04	9.58E-09	6.57E-05	1.44E-05	5.61E-04
1506	495111.06	3858551.99	1.02E-03	1.14E-08	6.37E-05	1.43E-05	1.10E-03	4.81E-04	4.69E-03	4.78E-03	5.25E-04	1.05E-02	4.57E-04	9.33E-09	6.37E-05	1.43E-05	5.35E-04
1507	495161.06	3858551.99	9.83E-04	1.12E-08	6.26E-05	1.43E-05	1.06E-03	4.64E-04	4.61E-03	4.69E-03	5.23E-04	1.03E-02	4.41E-04	9.19E-09	6.26E-05	1.43E-05	5.18E-04
1508	495211.06	3858551.99	9.51E-04	1.10E-08	6.14E-05	1.42E-05	1.03E-03	4.49E-04	4.55E-03	4.61E-03	5.21E-04	1.01E-02	4.27E-04	9.06E-09	6.14E-05	1.42E-05	5.02E-04
1509	495261.06	3858551.99	9.38E-04	1.09E-08	5.98E-05	1.42E-05	1.01E-03	4.43E-04	4.50E-03	4.48E-03	5.19E-04	9.95E-03	4.21E-04	8.97E-09	5.98E-05	1.42E-05	4.95E-04
1510	495311.06	3858551.99	9.39E-04	1.09E-08	5.90E-05	1.41E-05	1.01E-03	4.43E-04	4.49E-03	4.42E-03	5.16E-04	9.87E-03	4.21E-04	8.94E-09	5.90E-05	1.41E-05	4.94E-04
1511	495361.06	3858551.99	9.31E-04	1.08E-08	5.86E-05	1.40E-05	1.00E-03	4.39E-04	4.47E-03	4.39E-03	5.12E-04	9.81E-03	4.18E-04	8.90E-09	5.86E-05	1.40E-05	4.90E-04
1512	495411.06	3858551.99	9.33E-04	1.08E-08	5.83E-05	1.39E-05	1.01E-03	4.40E-04	4.46E-03	4.37E-03	5.08E-04	9.78E-03	4.19E-04	8.89E-09	5.83E-05	1.39E-05	4.91E-04
1513	495461.06	3858551.99	9.28E-04	1.08E-08	5.79E-05	1.38E-05	1.00E-03	4.38E-04	4.45E-03	4.34E-03	5.05E-04	9.73E-03	4.16E-04	8.86E-09	5.79E-05	1.38E-05	4.88E-04
1514	495511.06	3858551.99	9.32E-04	1.08E-08	5.76E-05	1.37E-05	1.00E-03	4.39E-04	4.44E-03	4.32E-03	5.01E-04	9.70E-03	4.18E-04	8.85E-09	5.76E-05	1.37E-05	4.89E-04
1515	495561.06	3858551.99	9.27E-04	1.07E-08	5.72E-05	1.36E-05	9.97E-04	4.37E-04	4.43E-03	4.29E-03	4.97E-04	9.65E-03	4.16E-04	8.82E-09	5.72E-05	1.36E-05	4.86E-04
1516	495611.06	3858551.99	9.17E-04	1.07E-08	5.68E-05	1.35E-05	9.87E-04	4.33E-04	4.41E-03	4.26E-03	4.94E-04	9.59E-03	4.11E-04	8.78E-09	5.68E-05	1.35E-05	4.82E-04
1517	495661.06	3858551.99	9.05E-04	1.06E-08	5.63E-05	1.34E-05	9.75E-04	4.27E-04	4.38E-03	4.22E-03	4.90E-04	9.52E-03	4.06E-04	8.73E-09	5.63E-05	1.34E-05	4.76E-04
1518	494311.06	3858601.99	1.20E-03	1.32E-08	7.34E-05	1.53E-05	1.28E-03	5.64E-04	5.44E-03	5.50E-03	5.62E-04	1.21E-02	5.36E-04	1.08E-08	7.34E-05	1.53E-05	6.25E-04
1519	494361.06	3858601.99	1.38E-03	1.39E-08	8.40E-05	1.56E-05	1.48E-03	6.52E-04	5.72E-03	6.30E-03	5.73E-04	1.32E-02	6.20E-04	1.14E-08	8.40E-05	1.56E-05	7.20E-04
1520	494411.06	3858601.99	1.50E-03	1.44E-08	8.92E-05	1.56E-05	1.60E-03	7.07E-04	5.95E-03	6.69E-03	5.71E-04	1.39E-02	6.72E-04	1.18E-08	8.92E-05	1.56E-05	7.77E-04
1521	494461.06	3858601.99	1.49E-03	1.43E-08	8.93E-05	1.56E-05	1.59E-03	7.02E-04	5.91E-03	6.70E-03	5.71E-04	1.39E-02	6.67E-04	1.18E-08	8.93E-05	1.56E-05	7.72E-04

1522	494511.06	3858601.99	1.46E-03	1.41E-08	8.87E-05	1.56E-05	1.56E-03	6.88E-04	5.82E-03	6.65E-03	5.72E-04	1.37E-02	6.54E-04	1.16E-08	8.87E-05	1.56E-05	7.59E-04
1523	494561.06	3858601.99	1.46E-03	1.42E-08	8.82E-05	1.56E-05	1.56E-03	6.87E-04	5.85E-03	6.61E-03	5.72E-04	1.37E-02	6.53E-04	1.17E-08	8.82E-05	1.56E-05	7.57E-04
1524	494611.06	3858601.99	1.43E-03	1.41E-08	8.56E-05	1.56E-05	1.53E-03	6.73E-04	5.80E-03	6.42E-03	5.74E-04	1.35E-02	6.40E-04	1.16E-08	8.56E-05	1.56E-05	7.41E-04
1525	494661.06	3858601.99	1.40E-03	1.40E-08	8.40E-05	1.57E-05	1.50E-03	6.62E-04	5.76E-03	6.30E-03	5.74E-04	1.33E-02	6.29E-04	1.15E-08	8.40E-05	1.57E-05	7.29E-04
1526	494711.06	3858601.99	1.37E-03	1.38E-08	8.09E-05	1.57E-05	1.47E-03	6.45E-04	5.69E-03	6.07E-03	5.76E-04	1.30E-02	6.14E-04	1.13E-08	8.09E-05	1.57E-05	7.10E-04
1527	494761.06	3858601.99	1.33E-03	1.36E-08	8.03E-05	1.57E-05	1.43E-03	6.29E-04	5.62E-03	6.02E-03	5.77E-04	1.28E-02	5.99E-04	1.12E-08	8.03E-05	1.57E-05	6.95E-04
1528	494811.06	3858601.99	1.29E-03	1.33E-08	7.56E-05	1.56E-05	1.38E-03	6.07E-04	5.48E-03	5.67E-03	5.70E-04	1.23E-02	5.77E-04	1.09E-08	7.56E-05	1.56E-05	6.68E-04
1529	494861.06	3858601.99	1.26E-03	1.32E-08	7.53E-05	1.49E-05	1.35E-03	5.93E-04	5.43E-03	5.65E-03	5.48E-04	1.22E-02	5.64E-04	1.08E-08	7.53E-05	1.49E-05	6.54E-04
1530	494911.06	3858601.99	1.22E-03	1.30E-08	6.92E-05	1.47E-05	1.30E-03	5.75E-04	5.36E-03	5.19E-03	5.40E-04	1.17E-02	5.47E-04	1.07E-08	6.92E-05	1.47E-05	6.31E-04
1531	494961.06	3858601.99	1.18E-03	1.28E-08	6.83E-05	1.46E-05	1.26E-03	5.56E-04	5.28E-03	5.12E-03	5.34E-04	1.15E-02	5.28E-04	1.05E-08	6.83E-05	1.46E-05	6.11E-04
1532	495011.06	3858601.99	1.14E-03	1.26E-08	6.73E-05	1.45E-05	1.23E-03	5.39E-04	5.20E-03	5.05E-03	5.32E-04	1.13E-02	5.13E-04	1.04E-08	6.73E-05	1.45E-05	5.95E-04
1533	495061.06	3858601.99	1.11E-03	1.22E-08	6.63E-05	1.44E-05	1.19E-03	5.24E-04	5.03E-03	4.97E-03	5.27E-04	1.11E-02	4.98E-04	1.00E-08	6.63E-05	1.44E-05	5.79E-04
1534	495111.06	3858601.99	1.06E-03	1.19E-08	6.49E-05	1.40E-05	1.14E-03	5.00E-04	4.90E-03	4.87E-03	5.15E-04	1.08E-02	4.75E-04	9.76E-09	6.49E-05	1.40E-05	5.54E-04
1535	495161.06	3858601.99	1.04E-03	1.17E-08	6.17E-05	1.39E-05	1.12E-03	4.91E-04	4.83E-03	4.63E-03	5.11E-04	1.05E-02	4.67E-04	9.62E-09	6.17E-05	1.39E-05	5.42E-04
1536	495211.06	3858601.99	1.03E-03	1.16E-08	6.13E-05	1.38E-05	1.10E-03	4.84E-04	4.79E-03	4.60E-03	5.07E-04	1.04E-02	4.61E-04	9.53E-09	6.13E-05	1.38E-05	5.36E-04
1537	495261.06	3858601.99	1.00E-03	1.15E-08	6.08E-05	1.37E-05	1.08E-03	4.74E-04	4.73E-03	4.56E-03	5.04E-04	1.03E-02	4.50E-04	9.43E-09	6.08E-05	1.37E-05	5.25E-04
1538	495311.06	3858601.99	9.95E-04	1.14E-08	6.05E-05	1.36E-05	1.07E-03	4.69E-04	4.70E-03	4.54E-03	5.00E-04	1.02E-02	4.46E-04	9.36E-09	6.05E-05	1.36E-05	5.20E-04
1539	495361.06	3858601.99	9.85E-04	1.14E-08	6.05E-05	1.35E-05	1.06E-03	4.65E-04	4.68E-03	4.54E-03	4.97E-04	1.02E-02	4.42E-04	9.32E-09	6.05E-05	1.35E-05	5.16E-04
1540	495411.06	3858601.99	9.80E-04	1.13E-08	6.05E-05	1.35E-05	1.05E-03	4.62E-04	4.66E-03	4.54E-03	4.93E-04	1.02E-02	4.39E-04	9.28E-09	6.05E-05	1.35E-05	5.13E-04
1541	495461.06	3858601.99	9.76E-04	1.13E-08	6.06E-05	1.34E-05	1.05E-03	4.61E-04	4.65E-03	4.54E-03	4.90E-04	1.01E-02	4.38E-04	9.27E-09	6.06E-05	1.34E-05	5.12E-04
1542	495511.06	3858601.99	9.59E-04	1.12E-08	6.02E-05	1.33E-05	1.03E-03	4.52E-04	4.62E-03	4.52E-03	4.86E-04	1.01E-02	4.30E-04	9.21E-09	6.02E-05	1.33E-05	5.04E-04
1543	495561.06	3858601.99	9.61E-04	1.12E-08	6.02E-05	1.32E-05	1.03E-03	4.53E-04	4.61E-03	4.51E-03	4.83E-04	1.01E-02	4.31E-04	9.19E-09	6.02E-05	1.32E-05	5.04E-04
1544	495611.06	3858601.99	9.40E-04	1.11E-08	5.95E-05	1.31E-05	1.01E-03	4.43E-04	4.56E-03	4.46E-03	4.79E-04	9.95E-03	4.22E-04	9.09E-09	5.95E-05	1.31E-05	4.94E-04
1545	495661.06	3858601.99	9.45E-04	1.10E-08	5.92E-05	1.30E-05	1.02E-03	4.46E-04	4.55E-03	4.44E-03	4.76E-04	9.91E-03	4.24E-04	9.06E-09	5.92E-05	1.30E-05	4.96E-04
1546	494311.06	3858651.99	1.16E-03	1.35E-08	7.22E-05	1.51E-05	1.24E-03	5.45E-04	5.55E-03	5.42E-03	5.55E-04	1.21E-02	5.18E-04	1.10E-08	7.22E-05	1.51E-05	6.06E-04
1547	494361.06	3858651.99	1.35E-03	1.41E-08	8.52E-05	1.59E-05	1.45E-03	6.37E-04	5.82E-03	6.39E-03	5.84E-04	1.34E-02	6.06E-04	1.16E-08	8.52E-05	1.59E-05	7.07E-04
1548	494411.06	3858651.99	1.57E-03	1.49E-08	1.09E-04	1.63E-05	1.70E-03	7.41E-04	6.13E-03	8.14E-03	5.98E-04	1.56E-02	7.04E-04	1.22E-08	1.09E-04	1.63E-05	8.29E-04
1549	494461.06	3858651.99	1.58E-03	1.50E-08	1.01E-04	1.60E-05	1.70E-03	7.45E-04	6.19E-03	7.56E-03	5.86E-04	1.51E-02	7.09E-04	1.23E-08	1.01E-04	1.60E-05	8.26E-04
1550	494511.06	3858651.99	1.56E-03	1.49E-08	9.77E-05	1.58E-05	1.67E-03	7.36E-04	6.16E-03	7.33E-03	5.80E-04	1.48E-02	7.00E-04	1.23E-08	9.77E-05	1.58E-05	8.14E-04
1551	494561.06	3858651.99	1.55E-03	1.49E-08	9.63E-05	1.58E-05	1.66E-03	7.30E-04	6.14E-03	7.22E-03	5.81E-04	1.47E-02	6.94E-04	1.22E-08	9.63E-05	1.58E-05	8.07E-04
1552	494611.06	3858651.99	1.53E-03	1.48E-08	9.34E-05	1.59E-05	1.64E-03	7.21E-04	6.10E-03	7.00E-03	5.81E-04	1.44E-02	6.86E-04	1.22E-08	9.34E-05	1.59E-05	7.95E-04
1553	494661.06	3858651.99	1.50E-03	1.46E-08	9.01E-05	1.59E-05	1.61E-03	7.08E-04	6.03E-03	6.76E-03	5.82E-04	1.41E-02	6.73E-04	1.20E-08	9.01E-05	1.59E-05	7.79E-04
1554	494711.06	3858651.99	1.46E-03	1.44E-08	8.55E-05	1.59E-05	1.56E-03	6.89E-04	5.93E-03	6.41E-03	5.84E-04	1.36E-02	6.56E-04	1.18E-08	8.55E-05	1.59E-05	7.57E-04
1555	494761.06	3858651.99	1.43E-03	1.42E-08	8.44E-05	1.59E-05	1.53E-03	6.75E-04	5.85E-03	6.33E-03	5.85E-04	1.34E-02	6.42E-04	1.17E-08	8.44E-05	1.59E-05	7.42E-04
1556	494811.06	3858651.99	1.39E-03	1.39E-08	8.04E-05	1.59E-05	1.48E-03	6.54E-04	5.74E-03	6.03E-03	5.82E-04	1.30E-02	6.22E-04	1.14E-08	8.04E-05	1.59E-05	7.18E-04
1557	494861.06	3858651.99	1.35E-03	1.37E-08	7.92E-05	1.56E-05	1.44E-03	6.35E-04	5.66E-03	5.94E-03	5.70E-04	1.28E-02	6.04E-04	1.13E-08	7.92E-05	1.56E-05	6.98E-04
1558	494911.06	3858651.99	1.30E-03	1.35E-08	7.26E-05	1.52E-05	1.39E-03	6.14E-04	5.54E-03	5.44E-03	5.58E-04	1.22E-02	5.84E-04	1.10E-08	7.26E-05	1.52E-05	6.71E-04
1559	494961.06	3858651.99	1.26E-03	1.32E-08	6.97E-05	1.47E-05	1.34E-03	5.94E-04	5.44E-03	5.23E-03	5.39E-04	1.18E-02	5.65E-04	1.08E-08	6.97E-05	1.47E-05	6.49E-04
1560	495011.06	3858651.99	1.23E-03	1.30E-08	6.72E-05	1.47E-05	1.31E-03	5.78E-04	5.36E-03	5.04E-03	5.38E-04	1.15E-02	5.50E-04	1.07E-08	6.72E-05	1.47E-05	6.32E-04
1561	495061.06	3858651.99	1.19E-03	1.28E-08	6.63E-05	1.45E-05	1.27E-03	5.61E-04	5.26E-03	4.98E-03	5.32E-04	1.13E-02	5.34E-04	1.05E-08	6.63E-05	1.45E-05	6.14E-04
1562	495111.06	3858651.99	1.15E-03	1.25E-08	6.53E-05	1.41E-05	1.23E-03	5.41E-04	5.15E-03	4.90E-03	5.17E-04	1.11E-02	5.15E-04	1.03E-08	6.53E-05	1.41E-05	5.94E-04
1563	495161.06	3858651.99	1.12E-03	1.23E-08	6.46E-05	1.39E-05	1.20E-03	5.28E-04	5.07E-03	4.84E-03	5.10E-04	1.10E-02	5.02E-04	1.01E-08	6.46E-05	1.39E-05	5.80E-04
1564	495211.06	3858651.99	1.09E-03	1.21E-08	6.37E-05	1.37E-05	1.16E-03	5.12E-04	4.99E-03	4.78E-03	5.01E-04	1.08E-02	4.87E-04	9.95E-09	6.37E-05	1.37E-05	5.64E-04
1565	495261.06	3858651.99	1.07E-03	1.21E-08	6.34E-05	1.36E-05	1.15E-03	5.05E-04	4.98E-03	4.76E-03	4.98E-04	1.07E-02	4.80E-04	9.92E-09	6.34E-05	1.36E-05	5.57E-04
1566	495311.06	3858651.99	1.06E-03	1.20E-08	6.29E-05	1.34E-05	1.14E-03	5.00E-04	4.95E-03	4.72E-03	4.92E-04	1.07E-02	4.75E-04	9.85E-09	6.29E-05	1.34E-05	5.51E-04
1567	495361.06	3858651.99	1.07E-03	1.20E-08	6.25E-05	1.34E-05	1.14E-03	5.02E-04	4.93E-03	4.69E-03	4.90E-04	1.06E-02	4.78E-04	9.81E-09	6.25E-05	1.34E-05	5.54E-04
1568	495411.06	3858651.99	1.06E-03	1.19E-08	6.23E-05	1.34E-05	1.14E-03	5.01E-04	4.92E-03	4.67E-03	4.91E-04	1.06E-02	4.76E-04	9.79E-09	6.23E-05	1.34E-05	5.52E-04
1569	495461.06	3858651.99	1.05E-03	1.19E-08	6.21E-05	1.34E-05	1.13E-03	4.96E-04	4.92E-03	4.65E-03	4.93E-04	1.06E-02	4.72E-04	9.79E-09	6.21E-05	1.34E-05	5.48E-04
1570	495511.06	3858651.99	1.03E-03	1.18E-08	6.15E-05	1.34E-05	1.10E-03	4.84E-04	4.87E-03	4.61E-03	4.91E-04	1.05E-02	4.60E-04	9.70E-09	6.15E-05	1.34E-05	5.35E-04
1571	495561.06	3858651.99	1.01E-03	1.17E-08	5.93E-05	1.34E-05	1.08E-03	4.74E-04	4.84E-03	4.45E-03	4.91E-04	1.03E-02	4.51E-04	9.63E-09	5.93E-05	1.34E-05	5.24E-04
1572	495611.06	3858651.99	9.89E-04	1.16E-08	5.88E-05	1.33E-05	1.06E-03	4.66E-04	4.79E-03	4.41E-03	4.88E-04	1.02E-02	4.44E-04	9.54E-09	5.88E-05	1.33E-05	5.16E-04
1573	495661.06	3858651.99	9.90E-04	1.16E-08	5.89E-05	1.33E-05	1.06E-03	4.67E-04	4.77E-03	4.42E-03	4.89E-04	1.01E-02	4.44E-04	9.51E-09	5.89E-05	1.33E-05	5.16E-04
1574	494311.06	3858701.99	1.22E-03	1.41E-08	8.01E-05	1.60E-05	1.32E-03	5.76E-04	5.80E-03	6.01E-03	5.87E-04	1.30E-02	5.47E-04	1.16E-08	8.01E-05	1.60E-05	6.44E-04
1575	494361.06	3858701.99	1.46E-03	1.51E-08	1.02E-04	1.62E-05	1.58E-03	6.88E-04	6.22E-03	7.67E-03	5.95E-04	1.52E-02	6.54E-04	1.24E-08	1.02E-04	1.62E-05	7.72E-04
1576	494411.06	3858701.99	1.62E-03	1.58E-08	1.31E-04	1.75E-05	1.77E-03	7.62E-04	6.50E-03	9.84E-03	6.41E-04	1.77E-02	7.25E-04	1.29E-08	1.31E-04	1.75E-05	8.74E-04
1577	494461.06	3858701.99	1.63E-03	1.58E-08	1.33E-04	1.74E-05	1.79E-03	7.71E-04	6.51E-03	1.00E-02	6.37E-04	1.79E-02	7.33E-04	1.30E-08	1.33E-04	1.74E-05	8.84E-04
1578	494511.06	3858701.99	1.63E-03	1.58E-08	1.19E-04	1.64E-05	1.77E-03	7.70E-04	6.52E-03	8.93E-03	6.00E-04	1.68E-02	7.33E-04	1.30E-08	1.19E-04	1.64E-05	8.68E-04
1579	494561.06	3858701.99	1.64E-03	1.57E-08	1.16E-04	1.63E-05	1.77E-03	7.71E-04	6.48E-03	8.73E-03	5.97E-04	1.66E-02	7.34E-04	1.29E-08	1.16E-04	1.63E-05	8.66E-04
1580	494611.06	3858701.99	1.59E-03	1.54E-08	1.05E-04	1.61E-05	1.71E-03	7.48E-04	6.34E-03	7.88E-03	5.90E-04	1.56E-02	7.11E-04	1.26E-08	1.05E-04	1.61E-05	8.32E-04
1581	494661.06	3858701.99	1.59E-03	1.54E-08	1.06E-04	1.61E-05	1.71E-03	7.48E-04	6.35E-03	7.95E-03	5.90E-04	1.56E-02	7.11E-04	1.26E-08	1.06E-04	1.61E-05	8.33E-04
1582	494711.06	3858701.99	1.48E-03	1.47E-08	8.36E-05	1.62E-05	1.58E-03	6.96E-04	6.06E-03	6.27E-03	5.93E-04	1.36E-02	6.62E-04	1.21E-08	8.36E-05	1.62E-05	7.62E-04

1583	494761.06	3858701.99	1.51E-03	1.49E-08	8.89E-05	1.62E-05	1.61E-03	7.11E-04	6.12E-03	6.66E-03	5.93E-04	1.41E-02	6.76E-04	1.22E-08	8.89E-05	1.62E-05	7.81E-04
1584	494811.06	3858701.99	1.49E-03	1.46E-08	8.15E-05	1.59E-05	1.59E-03	7.05E-04	6.01E-03	6.11E-03	5.83E-04	1.34E-02	6.70E-04	1.20E-08	8.15E-05	1.59E-05	7.67E-04
1585	494861.06	3858701.99	1.43E-03	1.43E-08	8.14E-05	1.56E-05	1.52E-03	6.73E-04	5.91E-03	6.10E-03	5.72E-04	1.33E-02	6.40E-04	1.18E-08	8.14E-05	1.56E-05	7.37E-04
1586	494911.06	3858701.99	1.39E-03	1.41E-08	7.88E-05	1.53E-05	1.49E-03	6.57E-04	5.83E-03	5.91E-03	5.63E-04	1.30E-02	6.25E-04	1.16E-08	7.88E-05	1.53E-05	7.19E-04
1587	494961.06	3858701.99	1.33E-03	1.37E-08	7.09E-05	1.49E-05	1.42E-03	6.29E-04	5.66E-03	5.32E-03	5.45E-04	1.22E-02	5.99E-04	1.13E-08	7.09E-05	1.49E-05	6.84E-04
1588	495011.06	3858701.99	1.29E-03	1.35E-08	6.78E-05	1.46E-05	1.38E-03	6.11E-04	5.54E-03	5.09E-03	5.34E-04	1.18E-02	5.81E-04	1.10E-08	6.78E-05	1.46E-05	6.63E-04
1589	495061.06	3858701.99	1.27E-03	1.34E-08	6.71E-05	1.45E-05	1.36E-03	6.01E-04	5.50E-03	5.03E-03	5.31E-04	1.17E-02	5.71E-04	1.10E-08	6.71E-05	1.45E-05	6.53E-04
1590	495111.06	3858701.99	1.23E-03	1.31E-08	6.49E-05	1.44E-05	1.31E-03	5.79E-04	5.38E-03	4.87E-03	5.27E-04	1.14E-02	5.51E-04	1.07E-08	6.49E-05	1.44E-05	6.30E-04
1591	495161.06	3858701.99	1.20E-03	1.29E-08	6.44E-05	1.43E-05	1.28E-03	5.67E-04	5.32E-03	4.83E-03	5.25E-04	1.12E-02	5.39E-04	1.06E-08	6.44E-05	1.43E-05	6.18E-04
1592	495211.06	3858701.99	1.16E-03	1.27E-08	6.38E-05	1.43E-05	1.24E-03	5.46E-04	5.25E-03	4.78E-03	5.23E-04	1.11E-02	5.19E-04	1.05E-08	6.38E-05	1.43E-05	5.97E-04
1593	495261.06	3858701.99	1.16E-03	1.27E-08	6.36E-05	1.42E-05	1.23E-03	5.46E-04	5.24E-03	4.77E-03	5.21E-04	1.11E-02	5.19E-04	1.04E-08	6.36E-05	1.42E-05	5.97E-04
1594	495311.06	3858701.99	1.14E-03	1.27E-08	6.36E-05	1.41E-05	1.22E-03	5.39E-04	5.23E-03	4.77E-03	5.18E-04	1.11E-02	5.13E-04	1.04E-08	6.36E-05	1.41E-05	5.91E-04
1595	495361.06	3858701.99	1.13E-03	1.26E-08	6.30E-05	1.41E-05	1.20E-03	5.31E-04	5.20E-03	4.73E-03	5.16E-04	1.10E-02	5.05E-04	1.04E-08	6.30E-05	1.41E-05	5.82E-04
1596	495411.06	3858701.99	1.12E-03	1.26E-08	6.24E-05	1.40E-05	1.19E-03	5.27E-04	5.20E-03	4.68E-03	5.13E-04	1.09E-02	5.01E-04	1.04E-08	6.24E-05	1.40E-05	5.77E-04
1597	495461.06	3858701.99	1.12E-03	1.25E-08	6.20E-05	1.39E-05	1.20E-03	5.29E-04	5.16E-03	4.65E-03	5.11E-04	1.09E-02	5.03E-04	1.03E-08	6.20E-05	1.39E-05	5.79E-04
1598	495511.06	3858701.99	1.12E-03	1.24E-08	6.16E-05	1.39E-05	1.20E-03	5.29E-04	5.10E-03	4.62E-03	5.10E-04	1.08E-02	5.03E-04	1.02E-08	6.16E-05	1.39E-05	5.78E-04
1599	495561.06	3858701.99	1.10E-03	1.22E-08	6.11E-05	1.38E-05	1.18E-03	5.19E-04	5.04E-03	4.59E-03	5.07E-04	1.06E-02	4.94E-04	1.00E-08	6.11E-05	1.38E-05	5.69E-04
1600	495611.06	3858701.99	1.07E-03	1.21E-08	6.06E-05	1.38E-05	1.15E-03	5.07E-04	4.99E-03	4.55E-03	5.05E-04	1.06E-02	4.82E-04	9.95E-09	6.06E-05	1.38E-05	5.56E-04
1601	495661.06	3858701.99	1.05E-03	1.21E-08	6.03E-05	1.38E-05	1.13E-03	4.97E-04	4.97E-03	4.52E-03	5.04E-04	1.05E-02	4.73E-04	9.89E-09	6.03E-05	1.38E-05	5.47E-04
1602	494311.06	3858751.99	1.29E-03	1.48E-08	8.85E-05	1.61E-05	1.39E-03	6.07E-04	6.11E-03	6.64E-03	5.91E-04	1.39E-02	5.77E-04	1.22E-08	8.85E-05	1.61E-05	6.82E-04
1603	494361.06	3858751.99	1.62E-03	1.62E-08	1.27E-04	1.76E-05	1.76E-03	7.64E-04	6.68E-03	9.55E-03	6.46E-04	1.76E-02	7.26E-04	1.33E-08	1.27E-04	1.76E-05	8.71E-04
1604	494411.06	3858751.99	1.73E-03	1.68E-08	1.53E-04	1.76E-05	1.90E-03	8.17E-04	6.90E-03	1.14E-02	6.46E-04	1.98E-02	7.77E-04	1.38E-08	1.53E-04	1.76E-05	9.47E-04
1605	494461.06	3858751.99	1.75E-03	1.68E-08	1.55E-04	1.75E-05	1.92E-03	8.25E-04	6.91E-03	1.17E-02	6.41E-04	2.00E-02	7.84E-04	1.38E-08	1.55E-04	1.75E-05	9.57E-04
1606	494511.06	3858751.99	1.75E-03	1.68E-08	1.40E-04	1.73E-05	1.91E-03	8.26E-04	6.93E-03	1.05E-02	6.35E-04	1.89E-02	7.86E-04	1.38E-08	1.40E-04	1.73E-05	9.44E-04
1607	494561.06	3858751.99	1.72E-03	1.66E-08	1.40E-04	1.71E-05	1.88E-03	8.13E-04	6.82E-03	1.05E-02	6.27E-04	1.88E-02	7.73E-04	1.36E-08	1.40E-04	1.71E-05	9.30E-04
1608	494611.06	3858751.99	1.67E-03	1.62E-08	1.29E-04	1.64E-05	1.82E-03	7.88E-04	6.69E-03	9.67E-03	6.02E-04	1.78E-02	7.49E-04	1.33E-08	1.29E-04	1.64E-05	8.94E-04
1609	494661.06	3858751.99	1.67E-03	1.61E-08	1.30E-04	1.64E-05	1.81E-03	7.87E-04	6.63E-03	9.74E-03	6.02E-04	1.78E-02	7.48E-04	1.32E-08	1.30E-04	1.64E-05	8.94E-04
1610	494711.06	3858751.99	1.58E-03	1.57E-08	1.14E-04	1.64E-05	1.71E-03	7.45E-04	6.45E-03	8.58E-03	6.00E-04	1.64E-02	7.08E-04	1.28E-08	1.14E-04	1.64E-05	8.39E-04
1611	494761.06	3858751.99	1.57E-03	1.56E-08	1.04E-04	1.63E-05	1.69E-03	7.42E-04	6.41E-03	7.82E-03	5.98E-04	1.56E-02	7.05E-04	1.28E-08	1.04E-04	1.63E-05	8.26E-04
1612	494811.06	3858751.99	1.50E-03	1.52E-08	9.33E-05	1.59E-05	1.61E-03	7.07E-04	6.26E-03	7.00E-03	5.83E-04	1.45E-02	6.72E-04	1.25E-08	9.33E-05	1.59E-05	7.81E-04
1613	494861.06	3858751.99	1.46E-03	1.49E-08	8.78E-05	1.55E-05	1.56E-03	6.89E-04	6.13E-03	6.58E-03	5.70E-04	1.40E-02	6.55E-04	1.22E-08	8.78E-05	1.55E-05	7.59E-04
1614	494911.06	3858751.99	1.41E-03	1.46E-08	8.37E-05	1.51E-05	1.51E-03	6.67E-04	6.00E-03	6.28E-03	5.55E-04	1.35E-02	6.34E-04	1.19E-08	8.37E-05	1.51E-05	7.33E-04
1615	494961.06	3858751.99	1.39E-03	1.43E-08	8.07E-05	1.48E-05	1.48E-03	6.54E-04	5.90E-03	6.06E-03	5.44E-04	1.32E-02	6.22E-04	1.18E-08	8.07E-05	1.48E-05	7.18E-04
1616	495011.06	3858751.99	1.38E-03	1.42E-08	7.86E-05	1.48E-05	1.47E-03	6.49E-04	5.84E-03	5.90E-03	5.44E-04	1.29E-02	6.17E-04	1.16E-08	7.86E-05	1.48E-05	7.11E-04
1617	495061.06	3858751.99	1.34E-03	1.39E-08	7.64E-05	1.48E-05	1.43E-03	6.34E-04	5.75E-03	5.73E-03	5.44E-04	1.27E-02	6.03E-04	1.14E-08	7.64E-05	1.48E-05	6.94E-04
1618	495111.06	3858751.99	1.30E-03	1.36E-08	7.19E-05	1.47E-05	1.38E-03	6.12E-04	5.60E-03	5.40E-03	5.38E-04	1.21E-02	5.82E-04	1.12E-08	7.19E-05	1.47E-05	6.68E-04
1619	495161.06	3858751.99	1.28E-03	1.34E-08	6.98E-05	1.47E-05	1.36E-03	6.04E-04	5.52E-03	5.23E-03	5.39E-04	1.19E-02	5.74E-04	1.10E-08	6.98E-05	1.47E-05	6.58E-04
1620	495211.06	3858751.99	1.25E-03	1.32E-08	6.71E-05	1.47E-05	1.33E-03	5.89E-04	5.42E-03	5.03E-03	5.38E-04	1.16E-02	5.60E-04	1.08E-08	6.71E-05	1.47E-05	6.42E-04
1621	495261.06	3858751.99	1.24E-03	1.31E-08	6.62E-05	1.47E-05	1.32E-03	5.86E-04	5.40E-03	4.96E-03	5.39E-04	1.15E-02	5.57E-04	1.08E-08	6.62E-05	1.47E-05	6.38E-04
1622	495311.06	3858751.99	1.23E-03	1.31E-08	6.54E-05	1.47E-05	1.31E-03	5.80E-04	5.38E-03	4.91E-03	5.39E-04	1.14E-02	5.52E-04	1.07E-08	6.54E-05	1.47E-05	6.32E-04
1623	495361.06	3858751.99	1.21E-03	1.30E-08	6.43E-05	1.47E-05	1.29E-03	5.72E-04	5.35E-03	4.82E-03	5.38E-04	1.13E-02	5.44E-04	1.07E-08	6.43E-05	1.47E-05	6.23E-04
1624	495411.06	3858751.99	1.21E-03	1.30E-08	6.40E-05	1.48E-05	1.28E-03	5.69E-04	5.35E-03	4.80E-03	5.41E-04	1.13E-02	5.41E-04	1.06E-08	6.40E-05	1.48E-05	6.20E-04
1625	495461.06	3858751.99	1.19E-03	1.29E-08	6.37E-05	1.47E-05	1.27E-03	5.62E-04	5.32E-03	4.78E-03	5.39E-04	1.12E-02	5.34E-04	1.06E-08	6.37E-05	1.47E-05	6.13E-04
1626	495511.06	3858751.99	1.17E-03	1.28E-08	6.32E-05	1.44E-05	1.25E-03	5.52E-04	5.29E-03	4.74E-03	5.29E-04	1.11E-02	5.25E-04	1.05E-08	6.32E-05	1.44E-05	6.02E-04
1627	495561.06	3858751.99	1.15E-03	1.28E-08	6.24E-05	1.43E-05	1.23E-03	5.42E-04	5.26E-03	4.68E-03	5.25E-04	1.10E-02	5.15E-04	1.05E-08	6.24E-05	1.43E-05	5.92E-04
1628	495611.06	3858751.99	1.14E-03	1.27E-08	6.16E-05	1.42E-05	1.22E-03	5.37E-04	5.23E-03	4.62E-03	5.21E-04	1.09E-02	5.11E-04	1.04E-08	6.16E-05	1.42E-05	5.87E-04
1629	495661.06	3858751.99	1.14E-03	1.26E-08	6.12E-05	1.42E-05	1.22E-03	5.38E-04	5.20E-03	4.59E-03	5.20E-04	1.08E-02	5.11E-04	1.04E-08	6.12E-05	1.42E-05	5.87E-04
1630	494311.06	3858801.99	1.46E-03	1.59E-08	1.02E-04	1.67E-05	1.58E-03	6.89E-04	6.55E-03	7.66E-03	6.11E-04	1.55E-02	6.55E-04	1.31E-08	1.02E-04	1.67E-05	7.74E-04
1631	494361.06	3858801.99	1.75E-03	1.69E-08	1.44E-04	1.71E-05	1.91E-03	8.26E-04	6.98E-03	1.08E-02	6.27E-04	1.92E-02	7.86E-04	1.39E-08	1.44E-04	1.71E-05	9.47E-04
1632	494411.06	3858801.99	1.83E-03	1.72E-08	1.59E-04	1.80E-05	2.01E-03	8.63E-04	7.08E-03	1.19E-02	6.60E-04	2.05E-02	8.20E-04	1.41E-08	1.59E-04	1.80E-05	9.97E-04
1633	494461.06	3858801.99	1.87E-03	1.73E-08	1.62E-04	1.80E-05	2.05E-03	8.82E-04	7.13E-03	1.22E-02	6.61E-04	2.08E-02	8.39E-04	1.42E-08	1.62E-04	1.80E-05	1.02E-03
1634	494511.06	3858801.99	1.90E-03	1.74E-08	1.47E-04	1.78E-05	2.06E-03	8.95E-04	7.16E-03	1.10E-02	6.53E-04	1.97E-02	8.51E-04	1.43E-08	1.47E-04	1.78E-05	1.02E-03
1635	494561.06	3858801.99	1.89E-03	1.73E-08	1.47E-04	1.77E-05	2.06E-03	8.93E-04	7.13E-03	1.11E-02	6.48E-04	1.97E-02	8.49E-04	1.42E-08	1.47E-04	1.77E-05	1.01E-03
1636	494611.06	3858801.99	1.86E-03	1.71E-08	1.44E-04	1.74E-05	2.02E-03	8.76E-04	7.06E-03	1.08E-02	6.39E-04	1.94E-02	8.33E-04	1.41E-08	1.44E-04	1.74E-05	9.95E-04
1637	494661.06	3858801.99	1.78E-03	1.68E-08	1.35E-04	1.66E-05	1.93E-03	8.40E-04	6.94E-03	1.01E-02	6.09E-04	1.85E-02	7.99E-04	1.38E-08	1.35E-04	1.66E-05	9.51E-04
1638	494711.06	3858801.99	1.72E-03	1.65E-08	1.24E-04	1.65E-05	1.86E-03	8.10E-04	6.80E-03	9.31E-03	6.04E-04	1.75E-02	7.70E-04	1.35E-08	1.24E-04	1.65E-05	9.11E-04
1639	494761.06	3858801.99	1.64E-03	1.61E-08	1.11E-04	1.62E-05	1.76E-03	7.72E-04	6.64E-03	8.33E-03	5.93E-04	1.63E-02	7.34E-04	1.32E-08	1.11E-04	1.62E-05	8.61E-04
1640	494811.06	3858801.99	1.54E-03	1.57E-08	1.01E-04	1.59E-05	1.66E-03	7.28E-04	6.47E-03	7.59E-03	5.82E-04	1.54E-02	6.92E-04	1.29E-08	1.01E-04	1.59E-05	8.09E-04
1641	494861.06	3858801.99	1.52E-03	1.55E-08	9.63E-05	1.56E-05	1.63E-03	7.16E-04	6.37E-03	7.22E-03	5.70E-04	1.49E-02	6.81E-04	1.27E-08	9.63E-05	1.56E-05	7.93E-04
1642	494911.06	3858801.99	1.47E-03	1.51E-08	9.26E-05	1.54E-05	1.58E-03	6.92E-04	6.21E-03	6.94E-03	5.63E-04	1.44E-02	6.58E-04	1.24E-08	9.26E-05	1.54E-05	7.66E-04
1643	494961.06	3858801.99	1.42E-03	1.48E-08	8.98E-05	1.53E-05	1.52E-03	6.69E-04	6.09E-03	6.74E-03	5.60E-04	1.41E-02	6.36E-04	1.21E-08	8.98E-05	1.53E-05	7.41E-04

1644	495011.06	3858801.99	1.36E-03	1.45E-08	8.59E-05	1.52E-05	1.47E-03	6.43E-04	5.97E-03	6.44E-03	5.59E-04	1.36E-02	6.12E-04	1.19E-08	8.59E-05	1.52E-05	7.13E-04
1645	495061.06	3858801.99	1.36E-03	1.44E-08	8.34E-05	1.52E-05	1.46E-03	6.41E-04	5.92E-03	6.25E-03	5.58E-04	1.34E-02	6.10E-04	1.18E-08	8.34E-05	1.52E-05	7.08E-04
1646	495111.06	3858801.99	1.31E-03	1.42E-08	7.80E-05	1.51E-05	1.41E-03	6.20E-04	5.83E-03	5.85E-03	5.54E-04	1.29E-02	5.90E-04	1.16E-08	7.80E-05	1.51E-05	6.83E-04
1647	495161.06	3858801.99	1.29E-03	1.40E-08	7.47E-05	1.49E-05	1.38E-03	6.07E-04	5.76E-03	5.60E-03	5.45E-04	1.25E-02	5.78E-04	1.15E-08	7.47E-05	1.49E-05	6.67E-04
1648	495211.06	3858801.99	1.28E-03	1.39E-08	7.44E-05	1.48E-05	1.37E-03	6.06E-04	5.71E-03	5.58E-03	5.44E-04	1.24E-02	5.76E-04	1.14E-08	7.44E-05	1.48E-05	6.65E-04
1649	495261.06	3858801.99	1.30E-03	1.36E-08	7.41E-05	1.49E-05	1.39E-03	6.12E-04	5.62E-03	5.56E-03	5.45E-04	1.23E-02	5.82E-04	1.12E-08	7.41E-05	1.49E-05	6.71E-04
1650	495311.06	3858801.99	1.31E-03	1.38E-08	7.38E-05	1.49E-05	1.40E-03	6.20E-04	5.67E-03	5.54E-03	5.45E-04	1.24E-02	5.89E-04	1.13E-08	7.38E-05	1.49E-05	6.78E-04
1651	495361.06	3858801.99	1.30E-03	1.35E-08	7.37E-05	1.49E-05	1.39E-03	6.14E-04	5.57E-03	5.52E-03	5.46E-04	1.23E-02	5.84E-04	1.11E-08	7.37E-05	1.49E-05	6.73E-04
1652	495411.06	3858801.99	1.30E-03	1.37E-08	7.38E-05	1.49E-05	1.39E-03	6.13E-04	5.65E-03	5.53E-03	5.46E-04	1.23E-02	5.83E-04	1.13E-08	7.38E-05	1.49E-05	6.72E-04
1653	495461.06	3858801.99	1.28E-03	1.36E-08	7.33E-05	1.49E-05	1.37E-03	6.05E-04	5.61E-03	5.50E-03	5.47E-04	1.23E-02	5.76E-04	1.12E-08	7.33E-05	1.49E-05	6.64E-04
1654	495511.06	3858801.99	1.26E-03	1.33E-08	7.17E-05	1.49E-05	1.35E-03	5.95E-04	5.49E-03	5.38E-03	5.47E-04	1.20E-02	5.66E-04	1.09E-08	7.17E-05	1.49E-05	6.52E-04
1655	495561.06	3858801.99	1.24E-03	1.32E-08	7.04E-05	1.49E-05	1.33E-03	5.86E-04	5.45E-03	5.28E-03	5.48E-04	1.19E-02	5.57E-04	1.09E-08	7.04E-05	1.49E-05	6.42E-04
1656	495611.06	3858801.99	1.21E-03	1.31E-08	6.85E-05	1.50E-05	1.30E-03	5.73E-04	5.40E-03	5.14E-03	5.48E-04	1.17E-02	5.45E-04	1.07E-08	6.85E-05	1.50E-05	6.28E-04
1657	495661.06	3858801.99	1.20E-03	1.30E-08	6.75E-05	1.50E-05	1.28E-03	5.65E-04	5.36E-03	5.06E-03	5.49E-04	1.15E-02	5.38E-04	1.07E-08	6.75E-05	1.50E-05	6.20E-04
1658	494311.06	3858851.99	1.79E-03	1.72E-08	1.33E-04	1.78E-05	1.94E-03	8.44E-04	7.09E-03	9.99E-03	6.52E-04	1.86E-02	8.02E-04	1.41E-08	1.33E-04	1.78E-05	9.53E-04
1659	494361.06	3858851.99	1.95E-03	1.81E-08	1.66E-04	1.86E-05	2.13E-03	9.19E-04	7.44E-03	1.25E-02	6.82E-04	2.15E-02	8.74E-04	1.48E-08	1.66E-04	1.86E-05	1.06E-03
1660	494411.06	3858851.99	1.96E-03	1.81E-08	1.69E-04	1.87E-05	2.14E-03	9.22E-04	7.45E-03	1.27E-02	6.85E-04	2.17E-02	8.77E-04	1.48E-08	1.69E-04	1.87E-05	1.06E-03
1661	494461.06	3858851.99	2.00E-03	1.81E-08	1.68E-04	1.88E-05	2.18E-03	9.42E-04	7.46E-03	1.26E-02	6.89E-04	2.17E-02	8.95E-04	1.49E-08	1.68E-04	1.88E-05	1.08E-03
1662	494511.06	3858851.99	2.01E-03	1.81E-08	1.43E-04	1.84E-05	2.17E-03	9.50E-04	7.46E-03	1.07E-02	6.75E-04	1.98E-02	9.03E-04	1.49E-08	1.43E-04	1.84E-05	1.06E-03
1663	494561.06	3858851.99	1.99E-03	1.80E-08	1.43E-04	1.82E-05	2.15E-03	9.38E-04	7.41E-03	1.07E-02	6.67E-04	1.97E-02	8.92E-04	1.48E-08	1.43E-04	1.82E-05	1.05E-03
1664	494611.06	3858851.99	1.95E-03	1.77E-08	1.38E-04	1.78E-05	2.11E-03	9.19E-04	7.31E-03	1.04E-02	6.53E-04	1.93E-02	8.74E-04	1.46E-08	1.38E-04	1.78E-05	1.03E-03
1665	494661.06	3858851.99	1.89E-03	1.75E-08	1.31E-04	1.74E-05	2.04E-03	8.92E-04	7.19E-03	9.86E-03	6.39E-04	1.86E-02	8.49E-04	1.43E-08	1.31E-04	1.74E-05	9.97E-04
1666	494711.06	3858851.99	1.78E-03	1.70E-08	1.21E-04	1.67E-05	1.92E-03	8.40E-04	7.02E-03	9.08E-03	6.11E-04	1.75E-02	7.99E-04	1.40E-08	1.21E-04	1.67E-05	9.37E-04
1667	494761.06	3858851.99	1.73E-03	1.66E-08	1.16E-04	1.65E-05	1.86E-03	8.14E-04	6.86E-03	8.67E-03	6.06E-04	1.70E-02	7.74E-04	1.37E-08	1.16E-04	1.65E-05	9.06E-04
1668	494811.06	3858851.99	1.66E-03	1.63E-08	1.09E-04	1.62E-05	1.79E-03	7.83E-04	6.73E-03	8.21E-03	5.92E-04	1.63E-02	7.45E-04	1.34E-08	1.09E-04	1.62E-05	8.70E-04
1669	494861.06	3858851.99	1.62E-03	1.61E-08	1.05E-04	1.59E-05	1.74E-03	7.63E-04	6.62E-03	7.90E-03	5.85E-04	1.59E-02	7.26E-04	1.32E-08	1.05E-04	1.59E-05	8.47E-04
1670	494911.06	3858851.99	1.55E-03	1.57E-08	1.01E-04	1.58E-05	1.67E-03	7.31E-04	6.48E-03	7.57E-03	5.81E-04	1.54E-02	6.95E-04	1.29E-08	1.01E-04	1.58E-05	8.12E-04
1671	494961.06	3858851.99	1.49E-03	1.54E-08	9.71E-05	1.57E-05	1.61E-03	7.04E-04	6.34E-03	7.28E-03	5.75E-04	1.49E-02	6.70E-04	1.26E-08	9.71E-05	1.57E-05	7.83E-04
1672	495011.06	3858851.99	1.45E-03	1.51E-08	9.45E-05	1.57E-05	1.56E-03	6.86E-04	6.23E-03	7.09E-03	5.74E-04	1.46E-02	6.52E-04	1.24E-08	9.45E-05	1.57E-05	7.63E-04
1673	495061.06	3858851.99	1.42E-03	1.48E-08	9.19E-05	1.55E-05	1.53E-03	6.72E-04	6.10E-03	6.89E-03	5.70E-04	1.42E-02	6.39E-04	1.22E-08	9.19E-05	1.55E-05	7.46E-04
1674	495111.06	3858851.99	1.35E-03	1.45E-08	8.60E-05	1.53E-05	1.45E-03	6.35E-04	5.95E-03	6.45E-03	5.62E-04	1.36E-02	6.03E-04	1.19E-08	8.60E-05	1.53E-05	7.05E-04
1675	495161.06	3858851.99	1.29E-03	1.43E-08	8.25E-05	1.52E-05	1.38E-03	6.07E-04	5.87E-03	6.18E-03	5.58E-04	1.32E-02	5.77E-04	1.17E-08	8.25E-05	1.52E-05	6.74E-04
1676	495211.06	3858851.99	1.30E-03	1.42E-08	8.31E-05	1.52E-05	1.40E-03	6.12E-04	5.87E-03	6.23E-03	5.58E-04	1.33E-02	5.82E-04	1.17E-08	8.31E-05	1.52E-05	6.80E-04
1677	495261.06	3858851.99	1.31E-03	1.42E-08	8.24E-05	1.52E-05	1.41E-03	6.20E-04	5.84E-03	6.18E-03	5.58E-04	1.32E-02	5.90E-04	1.16E-08	8.24E-05	1.52E-05	6.87E-04
1678	495311.06	3858851.99	1.34E-03	1.41E-08	8.25E-05	1.52E-05	1.44E-03	6.33E-04	5.82E-03	6.19E-03	5.57E-04	1.32E-02	6.02E-04	1.16E-08	8.25E-05	1.52E-05	6.99E-04
1679	495361.06	3858851.99	1.36E-03	1.41E-08	8.20E-05	1.52E-05	1.46E-03	6.41E-04	5.80E-03	6.15E-03	5.57E-04	1.31E-02	6.10E-04	1.16E-08	8.20E-05	1.52E-05	7.07E-04
1680	495411.06	3858851.99	1.38E-03	1.40E-08	8.15E-05	1.52E-05	1.47E-03	6.49E-04	5.77E-03	6.11E-03	5.56E-04	1.31E-02	6.17E-04	1.15E-08	8.15E-05	1.52E-05	7.14E-04
1681	495461.06	3858851.99	1.37E-03	1.40E-08	8.12E-05	1.51E-05	1.47E-03	6.47E-04	5.75E-03	6.09E-03	5.55E-04	1.30E-02	6.15E-04	1.15E-08	8.12E-05	1.51E-05	7.12E-04
1682	495511.06	3858851.99	1.36E-03	1.39E-08	8.16E-05	1.51E-05	1.45E-03	6.40E-04	5.71E-03	6.12E-03	5.55E-04	1.30E-02	6.09E-04	1.14E-08	8.16E-05	1.51E-05	7.05E-04
1683	495561.06	3858851.99	1.32E-03	1.37E-08	7.67E-05	1.50E-05	1.41E-03	6.24E-04	5.64E-03	5.75E-03	5.49E-04	1.26E-02	5.93E-04	1.12E-08	7.67E-05	1.50E-05	6.85E-04
1684	495611.06	3858851.99	1.29E-03	1.35E-08	7.42E-05	1.50E-05	1.38E-03	6.11E-04	5.58E-03	5.56E-03	5.49E-04	1.23E-02	5.81E-04	1.11E-08	7.42E-05	1.50E-05	6.70E-04
1685	495661.06	3858851.99	1.28E-03	1.35E-08	7.37E-05	1.50E-05	1.37E-03	6.05E-04	5.56E-03	5.53E-03	5.48E-04	1.22E-02	5.76E-04	1.11E-08	7.37E-05	1.50E-05	6.64E-04
1686	494311.06	3858901.99	1.91E-03	1.82E-08	1.39E-04	1.88E-05	2.07E-03	9.02E-04	7.49E-03	1.05E-02	6.89E-04	1.95E-02	8.58E-04	1.49E-08	1.39E-04	1.88E-05	1.02E-03
1687	494361.06	3858901.99	2.06E-03	1.87E-08	1.56E-04	1.91E-05	2.24E-03	9.71E-04	7.72E-03	1.17E-02	7.00E-04	2.11E-02	9.24E-04	1.54E-08	1.56E-04	1.91E-05	1.10E-03
1688	494411.06	3858901.99	2.09E-03	1.88E-08	1.62E-04	1.91E-05	2.27E-03	9.87E-04	7.76E-03	1.21E-02	7.00E-04	2.16E-02	9.38E-04	1.55E-08	1.62E-04	1.91E-05	1.12E-03
1689	494461.06	3858901.99	2.12E-03	1.90E-08	1.42E-04	1.89E-05	2.28E-03	1.00E-03	7.82E-03	1.07E-02	6.94E-04	2.02E-02	9.52E-04	1.56E-08	1.42E-04	1.89E-05	1.11E-03
1690	494511.06	3858901.99	2.15E-03	1.89E-08	1.41E-04	1.89E-05	2.31E-03	1.01E-03	7.80E-03	1.06E-02	6.92E-04	2.01E-02	9.64E-04	1.55E-08	1.41E-04	1.89E-05	1.12E-03
1691	494561.06	3858901.99	2.11E-03	1.87E-08	1.39E-04	1.87E-05	2.27E-03	9.96E-04	7.71E-03	1.04E-02	6.85E-04	1.98E-02	9.48E-04	1.54E-08	1.39E-04	1.87E-05	1.10E-03
1692	494611.06	3858901.99	2.02E-03	1.83E-08	1.34E-04	1.82E-05	2.17E-03	9.51E-04	7.53E-03	1.00E-02	6.66E-04	1.92E-02	9.04E-04	1.50E-08	1.34E-04	1.82E-05	1.06E-03
1693	494661.06	3858901.99	1.98E-03	1.81E-08	1.31E-04	1.77E-05	2.13E-03	9.32E-04	7.44E-03	9.81E-03	6.50E-04	1.88E-02	8.87E-04	1.48E-08	1.31E-04	1.77E-05	1.04E-03
1694	494711.06	3858901.99	1.90E-03	1.77E-08	1.26E-04	1.71E-05	2.04E-03	8.97E-04	7.28E-03	9.43E-03	6.28E-04	1.82E-02	8.53E-04	1.45E-08	1.26E-04	1.71E-05	9.95E-04
1695	494761.06	3858901.99	1.81E-03	1.72E-08	1.19E-04	1.69E-05	1.95E-03	8.55E-04	7.09E-03	8.90E-03	6.18E-04	1.75E-02	8.13E-04	1.41E-08	1.19E-04	1.69E-05	9.49E-04
1696	494811.06	3858901.99	1.75E-03	1.69E-08	1.15E-04	1.67E-05	1.89E-03	8.27E-04	6.98E-03	8.65E-03	6.11E-04	1.71E-02	7.87E-04	1.39E-08	1.15E-04	1.67E-05	9.19E-04
1697	494861.06	3858901.99	1.73E-03	1.67E-08	1.13E-04	1.66E-05	1.86E-03	8.16E-04	6.86E-03	8.44E-03	6.10E-04	1.67E-02	7.76E-04	1.37E-08	1.13E-04	1.66E-05	9.05E-04
1698	494911.06	3858901.99	1.65E-03	1.61E-08	1.06E-04	1.64E-05	1.77E-03	7.76E-04	6.65E-03	7.95E-03	6.03E-04	1.60E-02	7.38E-04	1.32E-08	1.06E-04	1.64E-05	8.60E-04
1699	494961.06	3858901.99	1.60E-03	1.58E-08	1.02E-04	1.61E-05	1.71E-03	7.53E-04	6.53E-03	7.67E-03	5.91E-04	1.55E-02	7.16E-04	1.30E-08	1.02E-04	1.61E-05	8.34E-04
1700	495011.06	3858901.99	1.55E-03	1.56E-08	9.93E-05	1.61E-05	1.66E-03	7.30E-04	6.43E-03	7.45E-03	5.90E-04	1.52E-02	6.94E-04	1.28E-08	9.93E-05	1.61E-05	8.10E-04
1701	495061.06	3858901.99	1.47E-03	1.52E-08	9.47E-05	1.58E-05	1.58E-03	6.94E-04	6.28E-03	7.10E-03	5.81E-04	1.47E-02	6.60E-04	1.25E-08	9.47E-05	1.58E-05	7.71E-04
1702	495111.06	3858901.99	1.36E-03	1.48E-08	9.00E-05	1.56E-05	1.46E-03	6.40E-04	6.09E-03	6.75E-03	5.72E-04	1.40E-02	6.09E-04	1.21E-08	9.00E-05	1.56E-05	7.15E-04
1703	495161.06	3858901.99	1.34E-03	1.46E-08	8.88E-05	1.55E-05	1.45E-03	6.34E-04	6.03E-03	6.66E-03	5.70E-04	1.39E-02	6.03E-04	1.20E-08	8.88E-05	1.55E-05	7.07E-04
1704	495211.06	3858901.99	1.38E-03	1.47E-08	9.01E-05	1.56E-05	1.49E-03	6.51E-04	6.05E-03	6.76E-03	5.71E-04	1.40E-02	6.19E-04	1.21E-08	9.01E-05	1.56E-05	7.25E-04

1705	495261.06	3858901.99	1.40E-03	1.46E-08	9.00E-05	1.56E-05	1.50E-03	6.60E-04	6.03E-03	6.75E-03	5.70E-04	1.40E-02	6.27E-04	1.20E-08	9.00E-05	1.56E-05	7.33E-04
1706	495311.06	3858901.99	1.39E-03	1.46E-08	8.95E-05	1.55E-05	1.50E-03	6.56E-04	6.00E-03	6.71E-03	5.69E-04	1.39E-02	6.24E-04	1.19E-08	8.95E-05	1.55E-05	7.29E-04
1707	495361.06	3858901.99	1.38E-03	1.45E-08	8.90E-05	1.55E-05	1.49E-03	6.52E-04	5.96E-03	6.68E-03	5.67E-04	1.39E-02	6.20E-04	1.19E-08	8.90E-05	1.55E-05	7.25E-04
1708	495411.06	3858901.99	1.39E-03	1.45E-08	8.92E-05	1.55E-05	1.50E-03	6.56E-04	5.96E-03	6.69E-03	5.67E-04	1.39E-02	6.24E-04	1.19E-08	8.92E-05	1.55E-05	7.29E-04
1709	495461.06	3858901.99	1.40E-03	1.44E-08	8.83E-05	1.54E-05	1.50E-03	6.59E-04	5.91E-03	6.62E-03	5.65E-04	1.38E-02	6.26E-04	1.18E-08	8.83E-05	1.54E-05	7.30E-04
1710	495511.06	3858901.99	1.39E-03	1.42E-08	8.68E-05	1.53E-05	1.50E-03	6.57E-04	5.84E-03	6.51E-03	5.61E-04	1.36E-02	6.25E-04	1.16E-08	8.68E-05	1.53E-05	7.27E-04
1711	495561.06	3858901.99	1.40E-03	1.41E-08	8.55E-05	1.52E-05	1.50E-03	6.58E-04	5.79E-03	6.42E-03	5.58E-04	1.34E-02	6.26E-04	1.15E-08	8.55E-05	1.52E-05	7.27E-04
1712	495611.06	3858901.99	1.38E-03	1.39E-08	8.37E-05	1.51E-05	1.48E-03	6.52E-04	5.71E-03	6.28E-03	5.54E-04	1.32E-02	6.20E-04	1.14E-08	8.37E-05	1.51E-05	7.19E-04
1713	495661.06	3858901.99	1.37E-03	1.38E-08	8.35E-05	1.51E-05	1.47E-03	6.48E-04	5.70E-03	6.27E-03	5.53E-04	1.32E-02	6.16E-04	1.13E-08	8.35E-05	1.51E-05	7.15E-04
1714	494311.06	3858951.99	2.12E-03	1.96E-08	1.49E-04	1.93E-05	2.29E-03	1.00E-03	8.06E-03	1.12E-02	7.07E-04	2.10E-02	9.51E-04	1.60E-08	1.49E-04	1.93E-05	1.12E-03
1715	494361.06	3858951.99	2.19E-03	1.98E-08	1.62E-04	1.93E-05	2.37E-03	1.03E-03	8.14E-03	1.22E-02	7.09E-04	2.21E-02	9.83E-04	1.62E-08	1.62E-04	1.93E-05	1.17E-03
1716	494411.06	3858951.99	2.18E-03	1.96E-08	1.60E-04	1.92E-05	2.36E-03	1.03E-03	8.08E-03	1.20E-02	7.03E-04	2.18E-02	9.78E-04	1.61E-08	1.60E-04	1.92E-05	1.16E-03
1717	494461.06	3858951.99	2.21E-03	1.99E-08	1.45E-04	1.90E-05	2.38E-03	1.04E-03	8.19E-03	1.09E-02	6.97E-04	2.08E-02	9.93E-04	1.63E-08	1.45E-04	1.90E-05	1.16E-03
1718	494511.06	3858951.99	2.21E-03	1.98E-08	1.45E-04	1.89E-05	2.37E-03	1.04E-03	8.16E-03	1.08E-02	6.92E-04	2.07E-02	9.91E-04	1.62E-08	1.45E-04	1.89E-05	1.15E-03
1719	494561.06	3858951.99	2.18E-03	1.96E-08	1.37E-04	1.87E-05	2.33E-03	1.03E-03	8.06E-03	1.03E-02	6.85E-04	2.01E-02	9.76E-04	1.61E-08	1.37E-04	1.87E-05	1.13E-03
1720	494611.06	3858951.99	2.11E-03	1.90E-08	1.33E-04	1.84E-05	2.26E-03	9.96E-04	7.84E-03	9.99E-03	6.75E-04	1.95E-02	9.47E-04	1.56E-08	1.33E-04	1.84E-05	1.10E-03
1721	494661.06	3858951.99	2.05E-03	1.87E-08	1.30E-04	1.82E-05	2.20E-03	9.67E-04	7.70E-03	9.74E-03	6.66E-04	1.91E-02	9.20E-04	1.53E-08	1.30E-04	1.82E-05	1.07E-03
1722	494711.06	3858951.99	1.95E-03	1.82E-08	1.25E-04	1.72E-05	2.10E-03	9.21E-04	7.49E-03	9.40E-03	6.32E-04	1.84E-02	8.76E-04	1.49E-08	1.25E-04	1.72E-05	1.02E-03
1723	494761.06	3858951.99	1.89E-03	1.78E-08	1.22E-04	1.70E-05	2.03E-03	8.92E-04	7.34E-03	9.13E-03	6.23E-04	1.80E-02	8.48E-04	1.46E-08	1.22E-04	1.70E-05	9.87E-04
1724	494811.06	3858951.99	1.86E-03	1.75E-08	1.19E-04	1.70E-05	2.00E-03	8.77E-04	7.21E-03	8.94E-03	6.23E-04	1.77E-02	8.34E-04	1.44E-08	1.19E-04	1.70E-05	9.70E-04
1725	494861.06	3858951.99	1.83E-03	1.72E-08	1.17E-04	1.70E-05	1.96E-03	8.61E-04	7.08E-03	8.74E-03	6.23E-04	1.73E-02	8.19E-04	1.41E-08	1.17E-04	1.70E-05	9.52E-04
1726	494911.06	3858951.99	1.76E-03	1.67E-08	1.12E-04	1.68E-05	1.89E-03	8.32E-04	6.90E-03	8.44E-03	6.15E-04	1.68E-02	7.91E-04	1.37E-08	1.12E-04	1.68E-05	9.20E-04
1727	494961.06	3858951.99	1.73E-03	1.65E-08	1.10E-04	1.67E-05	1.86E-03	8.18E-04	6.80E-03	8.28E-03	6.14E-04	1.65E-02	7.78E-04	1.35E-08	1.10E-04	1.67E-05	9.05E-04
1728	495011.06	3858951.99	1.63E-03	1.60E-08	1.04E-04	1.65E-05	1.75E-03	7.69E-04	6.58E-03	7.77E-03	6.06E-04	1.57E-02	7.31E-04	1.31E-08	1.04E-04	1.65E-05	8.51E-04
1729	495061.06	3858951.99	1.52E-03	1.54E-08	9.68E-05	1.61E-05	1.63E-03	7.16E-04	6.33E-03	7.26E-03	5.90E-04	1.49E-02	6.81E-04	1.26E-08	9.68E-05	1.61E-05	7.93E-04
1730	495111.06	3858951.99	1.43E-03	1.50E-08	9.21E-05	1.58E-05	1.54E-03	6.74E-04	6.17E-03	6.91E-03	5.80E-04	1.43E-02	6.41E-04	1.23E-08	9.21E-05	1.58E-05	7.49E-04
1731	495161.06	3858951.99	1.49E-03	1.51E-08	9.58E-05	1.59E-05	1.60E-03	7.03E-04	6.22E-03	7.19E-03	5.82E-04	1.47E-02	6.69E-04	1.24E-08	9.58E-05	1.59E-05	7.80E-04
1732	495211.06	3858951.99	1.50E-03	1.51E-08	9.65E-05	1.58E-05	1.61E-03	7.08E-04	6.20E-03	7.24E-03	5.81E-04	1.47E-02	6.73E-04	1.24E-08	9.65E-05	1.58E-05	7.85E-04
1733	495261.06	3858951.99	1.51E-03	1.50E-08	9.62E-05	1.58E-05	1.62E-03	7.12E-04	6.18E-03	7.22E-03	5.80E-04	1.47E-02	6.77E-04	1.23E-08	9.62E-05	1.58E-05	7.89E-04
1734	495311.06	3858951.99	1.47E-03	1.48E-08	9.34E-05	1.57E-05	1.58E-03	6.95E-04	6.10E-03	7.00E-03	5.76E-04	1.44E-02	6.61E-04	1.21E-08	9.34E-05	1.57E-05	7.70E-04
1735	495361.06	3858951.99	1.49E-03	1.48E-08	9.32E-05	1.57E-05	1.60E-03	7.01E-04	6.09E-03	6.99E-03	5.74E-04	1.44E-02	6.67E-04	1.21E-08	9.32E-05	1.57E-05	7.76E-04
1736	495411.06	3858951.99	1.50E-03	1.48E-08	9.45E-05	1.56E-05	1.61E-03	7.09E-04	6.09E-03	7.08E-03	5.73E-04	1.45E-02	6.74E-04	1.21E-08	9.45E-05	1.56E-05	7.84E-04
1737	495461.06	3858951.99	1.48E-03	1.47E-08	9.41E-05	1.55E-05	1.59E-03	7.00E-04	6.05E-03	7.05E-03	5.69E-04	1.44E-02	6.66E-04	1.20E-08	9.41E-05	1.55E-05	7.75E-04
1738	495511.06	3858951.99	1.49E-03	1.46E-08	9.45E-05	1.54E-05	1.60E-03	7.04E-04	6.03E-03	7.09E-03	5.66E-04	1.44E-02	6.69E-04	1.20E-08	9.45E-05	1.54E-05	7.79E-04
1739	495561.06	3858951.99	1.45E-03	1.44E-08	9.10E-05	1.54E-05	1.55E-03	6.82E-04	5.92E-03	6.83E-03	5.64E-04	1.40E-02	6.48E-04	1.18E-08	9.10E-05	1.54E-05	7.54E-04
1740	495611.06	3858951.99	1.42E-03	1.42E-08	8.92E-05	1.53E-05	1.52E-03	6.70E-04	5.84E-03	6.69E-03	5.60E-04	1.38E-02	6.37E-04	1.16E-08	8.92E-05	1.53E-05	7.41E-04
1741	495661.06	3858951.99	1.43E-03	1.42E-08	8.97E-05	1.52E-05	1.53E-03	6.74E-04	5.83E-03	6.72E-03	5.59E-04	1.38E-02	6.41E-04	1.16E-08	8.97E-05	1.52E-05	7.46E-04
1742	494311.06	3859001.99	2.24E-03	2.12E-08	1.44E-04	2.18E-05	2.41E-03	1.06E-03	8.72E-03	1.08E-02	7.99E-04	2.14E-02	1.01E-03	1.74E-08	1.44E-04	2.18E-05	1.17E-03
1743	494361.06	3859001.99	2.27E-03	2.12E-08	1.45E-04	2.17E-05	2.43E-03	1.07E-03	8.73E-03	1.08E-02	7.96E-04	2.14E-02	1.02E-03	1.74E-08	1.45E-04	2.17E-05	1.18E-03
1744	494411.06	3859001.99	2.28E-03	2.13E-08	1.42E-04	2.01E-05	2.45E-03	1.08E-03	8.79E-03	1.07E-02	7.36E-04	2.13E-02	1.02E-03	1.75E-08	1.42E-04	2.01E-05	1.19E-03
1745	494461.06	3859001.99	2.29E-03	2.11E-08	1.43E-04	2.00E-05	2.45E-03	1.08E-03	8.69E-03	1.07E-02	7.33E-04	2.12E-02	1.03E-03	1.73E-08	1.43E-04	2.00E-05	1.19E-03
1746	494511.06	3859001.99	2.29E-03	2.10E-08	1.43E-04	1.99E-05	2.45E-03	1.08E-03	8.63E-03	1.07E-02	7.29E-04	2.11E-02	1.03E-03	1.72E-08	1.43E-04	1.99E-05	1.19E-03
1747	494561.06	3859001.99	2.23E-03	2.04E-08	1.41E-04	1.90E-05	2.39E-03	1.05E-03	8.40E-03	1.06E-02	6.96E-04	2.07E-02	1.00E-03	1.67E-08	1.41E-04	1.90E-05	1.16E-03
1748	494611.06	3859001.99	2.18E-03	1.99E-08	1.39E-04	1.83E-05	2.34E-03	1.03E-03	8.20E-03	1.05E-02	6.72E-04	2.04E-02	9.80E-04	1.63E-08	1.39E-04	1.83E-05	1.14E-03
1749	494661.06	3859001.99	2.11E-03	1.93E-08	1.37E-04	1.80E-05	2.27E-03	9.97E-04	7.94E-03	1.03E-02	6.62E-04	1.99E-02	9.48E-04	1.58E-08	1.37E-04	1.80E-05	1.10E-03
1750	494711.06	3859001.99	2.02E-03	1.87E-08	1.33E-04	1.76E-05	2.17E-03	9.53E-04	7.71E-03	9.99E-03	6.45E-04	1.93E-02	9.07E-04	1.54E-08	1.33E-04	1.76E-05	1.06E-03
1751	494761.06	3859001.99	1.98E-03	1.83E-08	1.24E-04	1.73E-05	2.12E-03	9.32E-04	7.55E-03	9.34E-03	6.35E-04	1.84E-02	8.86E-04	1.50E-08	1.24E-04	1.73E-05	1.03E-03
1752	494811.06	3859001.99	1.96E-03	1.81E-08	1.23E-04	1.73E-05	2.10E-03	9.22E-04	7.44E-03	9.25E-03	6.33E-04	1.82E-02	8.77E-04	1.48E-08	1.23E-04	1.73E-05	1.02E-03
1753	494861.06	3859001.99	1.90E-03	1.77E-08	1.21E-04	1.71E-05	2.04E-03	8.95E-04	7.28E-03	9.06E-03	6.28E-04	1.79E-02	8.52E-04	1.45E-08	1.21E-04	1.71E-05	9.89E-04
1754	494911.06	3859001.99	1.85E-03	1.72E-08	1.18E-04	1.71E-05	1.98E-03	8.70E-04	7.10E-03	8.83E-03	6.26E-04	1.74E-02	8.28E-04	1.42E-08	1.18E-04	1.71E-05	9.63E-04
1755	494961.06	3859001.99	1.79E-03	1.69E-08	1.14E-04	1.70E-05	1.92E-03	8.45E-04	6.94E-03	8.58E-03	6.23E-04	1.70E-02	8.03E-04	1.38E-08	1.14E-04	1.70E-05	9.35E-04
1756	495011.06	3859001.99	1.64E-03	1.61E-08	1.04E-04	1.66E-05	1.76E-03	7.73E-04	6.63E-03	7.80E-03	6.09E-04	1.58E-02	7.35E-04	1.32E-08	1.04E-04	1.66E-05	8.56E-04
1757	495061.06	3859001.99	1.61E-03	1.59E-08	1.02E-04	1.62E-05	1.73E-03	7.59E-04	6.56E-03	7.67E-03	5.95E-04	1.56E-02	7.22E-04	1.31E-08	1.02E-04	1.62E-05	8.40E-04
1758	495111.06	3859001.99	1.53E-03	1.56E-08	9.77E-05	1.60E-05	1.64E-03	7.19E-04	6.42E-03	7.33E-03	5.85E-04	1.51E-02	6.84E-04	1.28E-08	9.77E-05	1.60E-05	7.98E-04
1759	495161.06	3859001.99	1.60E-03	1.58E-08	1.02E-04	1.61E-05	1.72E-03	7.55E-04	6.50E-03	7.64E-03	5.92E-04	1.55E-02	7.18E-04	1.29E-08	1.02E-04	1.61E-05	8.36E-04
1760	495211.06	3859001.99	1.60E-03	1.57E-08	1.01E-04	1.60E-05	1.72E-03	7.54E-04	6.45E-03	7.59E-03	5.87E-04	1.54E-02	7.17E-04	1.28E-08	1.01E-04	1.60E-05	8.34E-04
1761	495261.06	3859001.99	1.61E-03	1.56E-08	1.01E-04	1.61E-05	1.73E-03	7.61E-04	6.43E-03	7.60E-03	5.89E-04	1.54E-02	7.23E-04	1.28E-08	1.01E-04	1.61E-05	8.41E-04
1762	495311.06	3859001.99	1.60E-03	1.55E-08	1.00E-04	1.59E-05	1.72E-03	7.57E-04	6.37E-03	7.52E-03	5.82E-04	1.52E-02	7.19E-04	1.27E-08	1.00E-04	1.59E-05	8.35E-04
1763	495361.06	3859001.99	1.61E-03	1.54E-08	1.00E-04	1.59E-05	1.73E-03	7.61E-04	6.34E-03	7.51E-03	5.82E-04	1.52E-02	7.23E-04	1.26E-08	1.00E-04	1.59E-05	8.39E-04
1764	495411.06	3859001.99	1.61E-03	1.53E-08	9.97E-05	1.58E-05	1.73E-03	7.60E-04	6.30E-03	7.48E-03	5.79E-04	1.51E-02	7.23E-04	1.26E-08	9.97E-05	1.58E-05	8.38E-04
1765	495461.06	3859001.99	1.61E-03	1.52E-08	1.00E-04	1.58E-05	1.73E-03	7.60E-04	6.28E-03	7.52E-03	5.78E-04	1.51E-02	7.23E-04	1.25E-08	1.00E-04	1.58E-05	8.39E-04

1766	495511.06	3859001.99	1.57E-03	1.50E-08	9.83E-05	1.55E-05	1.68E-03	7.41E-04	6.20E-03	7.38E-03	5.70E-04	1.49E-02	7.05E-04	1.23E-08	9.83E-05	1.55E-05	8.18E-04
1767	495561.06	3859001.99	1.55E-03	1.49E-08	9.76E-05	1.54E-05	1.66E-03	7.30E-04	6.15E-03	7.32E-03	5.66E-04	1.48E-02	6.94E-04	1.22E-08	9.76E-05	1.54E-05	8.07E-04
1768	495611.06	3859001.99	1.51E-03	1.48E-08	9.61E-05	1.53E-05	1.62E-03	7.10E-04	6.09E-03	7.21E-03	5.62E-04	1.46E-02	6.76E-04	1.21E-08	9.61E-05	1.53E-05	7.87E-04
1769	495661.06	3859001.99	1.54E-03	1.48E-08	9.71E-05	1.53E-05	1.65E-03	7.25E-04	6.11E-03	7.29E-03	5.61E-04	1.47E-02	6.90E-04	1.22E-08	9.71E-05	1.53E-05	8.02E-04
1770	494311.06	3859051.99	2.30E-03	2.25E-08	1.42E-04	2.46E-05	2.47E-03	1.09E-03	9.29E-03	1.06E-02	9.03E-04	2.19E-02	1.03E-03	1.85E-08	1.42E-04	2.46E-05	1.20E-03
1771	494361.06	3859051.99	2.32E-03	2.27E-08	1.38E-04	2.16E-05	2.48E-03	1.09E-03	9.34E-03	1.03E-02	7.91E-04	2.16E-02	1.04E-03	1.86E-08	1.38E-04	2.16E-05	1.20E-03
1772	494411.06	3859051.99	2.32E-03	2.24E-08	1.36E-04	2.16E-05	2.48E-03	1.09E-03	9.23E-03	1.02E-02	7.91E-04	2.13E-02	1.04E-03	1.84E-08	1.36E-04	2.16E-05	1.20E-03
1773	494461.06	3859051.99	2.32E-03	2.21E-08	1.34E-04	2.16E-05	2.47E-03	1.09E-03	9.10E-03	1.01E-02	7.90E-04	2.10E-02	1.04E-03	1.81E-08	1.34E-04	2.16E-05	1.19E-03
1774	494511.06	3859051.99	2.29E-03	2.17E-08	1.34E-04	2.16E-05	2.45E-03	1.08E-03	8.92E-03	1.01E-02	7.90E-04	2.09E-02	1.03E-03	1.78E-08	1.34E-04	2.16E-05	1.18E-03
1775	494561.06	3859051.99	2.27E-03	2.13E-08	1.34E-04	2.12E-05	2.43E-03	1.07E-03	8.78E-03	1.01E-02	7.76E-04	2.07E-02	1.02E-03	1.75E-08	1.34E-04	2.12E-05	1.17E-03
1776	494611.06	3859051.99	2.23E-03	2.08E-08	1.34E-04	2.02E-05	2.38E-03	1.05E-03	8.55E-03	1.00E-02	7.40E-04	2.04E-02	9.98E-04	1.70E-08	1.34E-04	2.02E-05	1.15E-03
1777	494661.06	3859051.99	2.17E-03	2.02E-08	1.32E-04	1.91E-05	2.32E-03	1.02E-03	8.31E-03	9.93E-03	7.02E-04	2.00E-02	9.73E-04	1.66E-08	1.32E-04	1.91E-05	1.12E-03
1778	494711.06	3859051.99	2.12E-03	1.96E-08	1.31E-04	1.82E-05	2.27E-03	9.99E-04	8.09E-03	9.83E-03	6.68E-04	1.96E-02	9.50E-04	1.61E-08	1.31E-04	1.82E-05	1.10E-03
1779	494761.06	3859051.99	2.06E-03	1.91E-08	1.29E-04	1.76E-05	2.21E-03	9.71E-04	7.86E-03	9.70E-03	6.46E-04	1.92E-02	9.23E-04	1.57E-08	1.29E-04	1.76E-05	1.07E-03
1780	494811.06	3859051.99	2.02E-03	1.88E-08	1.28E-04	1.75E-05	2.17E-03	9.54E-04	7.75E-03	9.62E-03	6.42E-04	1.90E-02	9.07E-04	1.54E-08	1.28E-04	1.75E-05	1.05E-03
1781	494861.06	3859051.99	1.98E-03	1.84E-08	1.27E-04	1.75E-05	2.13E-03	9.36E-04	7.59E-03	9.52E-03	6.41E-04	1.87E-02	8.90E-04	1.51E-08	1.27E-04	1.75E-05	1.03E-03
1782	494911.06	3859051.99	1.91E-03	1.80E-08	1.24E-04	1.74E-05	2.05E-03	9.00E-04	7.43E-03	9.29E-03	6.38E-04	1.83E-02	8.56E-04	1.48E-08	1.24E-04	1.74E-05	9.97E-04
1783	494961.06	3859051.99	1.78E-03	1.72E-08	1.13E-04	1.72E-05	1.91E-03	8.40E-04	7.07E-03	8.44E-03	6.31E-04	1.70E-02	7.99E-04	1.41E-08	1.13E-04	1.72E-05	9.29E-04
1784	495011.06	3859051.99	1.72E-03	1.67E-08	1.08E-04	1.71E-05	1.85E-03	8.12E-04	6.88E-03	8.14E-03	6.26E-04	1.65E-02	7.72E-04	1.37E-08	1.08E-04	1.71E-05	8.97E-04
1785	495061.06	3859051.99	1.70E-03	1.64E-08	1.06E-04	1.70E-05	1.82E-03	8.01E-04	6.76E-03	7.94E-03	6.23E-04	1.61E-02	7.62E-04	1.35E-08	1.06E-04	1.70E-05	8.85E-04
1786	495111.06	3859051.99	1.69E-03	1.63E-08	1.05E-04	1.69E-05	1.81E-03	7.97E-04	6.71E-03	7.86E-03	6.20E-04	1.60E-02	7.58E-04	1.34E-08	1.05E-04	1.69E-05	8.79E-04
1787	495161.06	3859051.99	1.71E-03	1.64E-08	1.07E-04	1.69E-05	1.84E-03	8.08E-04	6.77E-03	8.04E-03	6.21E-04	1.62E-02	7.68E-04	1.35E-08	1.07E-04	1.69E-05	8.92E-04
1788	495211.06	3859051.99	1.70E-03	1.62E-08	1.06E-04	1.69E-05	1.82E-03	8.00E-04	6.68E-03	7.92E-03	6.18E-04	1.60E-02	7.61E-04	1.33E-08	1.06E-04	1.69E-05	8.84E-04
1789	495261.06	3859051.99	1.71E-03	1.63E-08	1.07E-04	1.69E-05	1.83E-03	8.06E-04	6.70E-03	8.01E-03	6.19E-04	1.61E-02	7.66E-04	1.33E-08	1.07E-04	1.69E-05	8.90E-04
1790	495311.06	3859051.99	1.70E-03	1.61E-08	1.06E-04	1.68E-05	1.82E-03	8.01E-04	6.63E-03	7.94E-03	6.14E-04	1.60E-02	7.62E-04	1.32E-08	1.06E-04	1.68E-05	8.84E-04
1791	495361.06	3859051.99	1.70E-03	1.60E-08	1.06E-04	1.67E-05	1.82E-03	8.00E-04	6.61E-03	7.93E-03	6.11E-04	1.59E-02	7.60E-04	1.32E-08	1.06E-04	1.67E-05	8.83E-04
1792	495411.06	3859051.99	1.70E-03	1.60E-08	1.06E-04	1.67E-05	1.82E-03	8.01E-04	6.60E-03	7.96E-03	6.12E-04	1.60E-02	7.61E-04	1.32E-08	1.06E-04	1.67E-05	8.84E-04
1793	495461.06	3859051.99	1.70E-03	1.60E-08	1.06E-04	1.67E-05	1.82E-03	8.01E-04	6.60E-03	7.98E-03	6.12E-04	1.60E-02	7.61E-04	1.31E-08	1.06E-04	1.67E-05	8.84E-04
1794	495511.06	3859051.99	1.67E-03	1.57E-08	1.04E-04	1.62E-05	1.79E-03	7.88E-04	6.48E-03	7.80E-03	5.94E-04	1.57E-02	7.49E-04	1.29E-08	1.04E-04	1.62E-05	8.69E-04
1795	495561.06	3859051.99	1.65E-03	1.55E-08	1.02E-04	1.60E-05	1.77E-03	7.78E-04	6.40E-03	7.66E-03	5.88E-04	1.54E-02	7.40E-04	1.27E-08	1.02E-04	1.60E-05	8.58E-04
1796	495611.06	3859051.99	1.63E-03	1.54E-08	1.01E-04	1.59E-05	1.75E-03	7.69E-04	6.33E-03	7.54E-03	5.85E-04	1.52E-02	7.31E-04	1.26E-08	1.01E-04	1.59E-05	8.48E-04
1797	495661.06	3859051.99	1.64E-03	1.55E-08	1.01E-04	1.60E-05	1.75E-03	7.72E-04	6.37E-03	7.61E-03	5.88E-04	1.53E-02	7.34E-04	1.27E-08	1.01E-04	1.60E-05	8.52E-04
1798	494311.06	3859101.99	2.34E-03	2.42E-08	1.30E-04	2.24E-05	2.49E-03	1.10E-03	9.96E-03	9.77E-03	8.23E-04	2.17E-02	1.05E-03	1.98E-08	1.30E-04	2.24E-05	1.20E-03
1799	494361.06	3859101.99	2.33E-03	2.40E-08	1.25E-04	2.19E-05	2.48E-03	1.10E-03	9.88E-03	9.40E-03	8.02E-04	2.12E-02	1.05E-03	1.97E-08	1.25E-04	2.19E-05	1.19E-03
1800	494411.06	3859101.99	2.35E-03	2.38E-08	1.24E-04	2.13E-05	2.50E-03	1.11E-03	9.80E-03	9.27E-03	7.82E-04	2.10E-02	1.05E-03	1.95E-08	1.24E-04	2.13E-05	1.20E-03
1801	494461.06	3859101.99	2.35E-03	2.32E-08	1.27E-04	2.10E-05	2.49E-03	1.11E-03	9.57E-03	9.55E-03	7.71E-04	2.10E-02	1.05E-03	1.91E-08	1.27E-04	2.10E-05	1.20E-03
1802	494511.06	3859101.99	2.30E-03	2.26E-08	1.30E-04	2.12E-05	2.46E-03	1.09E-03	9.31E-03	9.75E-03	7.76E-04	2.09E-02	1.03E-03	1.85E-08	1.30E-04	2.12E-05	1.18E-03
1803	494561.06	3859101.99	2.28E-03	2.21E-08	1.33E-04	2.12E-05	2.44E-03	1.08E-03	9.12E-03	9.96E-03	7.77E-04	2.09E-02	1.02E-03	1.82E-08	1.33E-04	2.12E-05	1.18E-03
1804	494611.06	3859101.99	2.24E-03	2.14E-08	1.34E-04	2.11E-05	2.39E-03	1.06E-03	8.80E-03	1.00E-02	7.73E-04	2.06E-02	1.00E-03	1.75E-08	1.34E-04	2.11E-05	1.16E-03
1805	494661.06	3859101.99	2.21E-03	2.10E-08	1.31E-04	2.03E-05	2.37E-03	1.04E-03	8.64E-03	9.86E-03	7.43E-04	2.03E-02	9.93E-04	1.72E-08	1.31E-04	2.03E-05	1.14E-03
1806	494711.06	3859101.99	2.14E-03	2.03E-08	1.28E-04	1.88E-05	2.28E-03	1.01E-03	8.36E-03	9.63E-03	6.89E-04	1.97E-02	9.58E-04	1.67E-08	1.28E-04	1.88E-05	1.10E-03
1807	494761.06	3859101.99	2.14E-03	2.02E-08	1.26E-04	1.85E-05	2.28E-03	1.01E-03	8.30E-03	9.48E-03	6.78E-04	1.95E-02	9.59E-04	1.65E-08	1.26E-04	1.85E-05	1.10E-03
1808	494811.06	3859101.99	2.09E-03	1.98E-08	1.24E-04	1.80E-05	2.23E-03	9.87E-04	8.16E-03	9.27E-03	6.61E-04	1.91E-02	9.39E-04	1.62E-08	1.24E-04	1.80E-05	1.08E-03
1809	494861.06	3859101.99	2.05E-03	1.93E-08	1.22E-04	1.79E-05	2.19E-03	9.69E-04	7.97E-03	9.16E-03	6.57E-04	1.88E-02	9.21E-04	1.59E-08	1.22E-04	1.79E-05	1.06E-03
1810	494911.06	3859101.99	1.98E-03	1.87E-08	1.20E-04	1.78E-05	2.12E-03	9.33E-04	7.70E-03	9.01E-03	6.52E-04	1.83E-02	8.88E-04	1.53E-08	1.20E-04	1.78E-05	1.03E-03
1811	494961.06	3859101.99	1.85E-03	1.77E-08	1.15E-04	1.76E-05	1.98E-03	8.71E-04	7.30E-03	8.66E-03	6.44E-04	1.75E-02	8.28E-04	1.45E-08	1.15E-04	1.76E-05	9.61E-04
1812	495011.06	3859101.99	1.70E-03	1.68E-08	1.10E-04	1.73E-05	1.83E-03	8.03E-04	6.92E-03	8.21E-03	6.36E-04	1.66E-02	7.63E-04	1.38E-08	1.10E-04	1.73E-05	8.90E-04
1813	495061.06	3859101.99	1.73E-03	1.68E-08	1.11E-04	1.73E-05	1.86E-03	8.15E-04	6.92E-03	8.33E-03	6.35E-04	1.67E-02	7.75E-04	1.38E-08	1.11E-04	1.73E-05	9.03E-04
1814	495111.06	3859101.99	1.71E-03	1.66E-08	1.10E-04	1.72E-05	1.84E-03	8.08E-04	6.83E-03	8.25E-03	6.31E-04	1.65E-02	7.69E-04	1.36E-08	1.10E-04	1.72E-05	8.96E-04
1815	495161.06	3859101.99	1.76E-03	1.68E-08	1.12E-04	1.73E-05	1.89E-03	8.32E-04	6.91E-03	8.38E-03	6.33E-04	1.68E-02	7.91E-04	1.38E-08	1.12E-04	1.73E-05	9.20E-04
1816	495211.06	3859101.99	1.75E-03	1.66E-08	1.07E-04	1.71E-05	1.87E-03	8.26E-04	6.86E-03	8.02E-03	6.29E-04	1.63E-02	7.85E-04	1.37E-08	1.07E-04	1.71E-05	9.09E-04
1817	495261.06	3859101.99	1.77E-03	1.67E-08	1.08E-04	1.71E-05	1.90E-03	8.37E-04	6.89E-03	8.10E-03	6.27E-04	1.65E-02	7.96E-04	1.37E-08	1.08E-04	1.71E-05	9.21E-04
1818	495311.06	3859101.99	1.79E-03	1.65E-08	1.09E-04	1.71E-05	1.91E-03	8.42E-04	6.80E-03	8.21E-03	6.26E-04	1.65E-02	8.01E-04	1.36E-08	1.09E-04	1.71E-05	9.28E-04
1819	495361.06	3859101.99	1.81E-03	1.68E-08	1.09E-04	1.70E-05	1.93E-03	8.52E-04	6.92E-03	8.20E-03	6.25E-04	1.66E-02	8.10E-04	1.38E-08	1.09E-04	1.70E-05	9.36E-04
1820	495411.06	3859101.99	1.80E-03	1.68E-08	1.10E-04	1.70E-05	1.93E-03	8.51E-04	6.91E-03	8.22E-03	6.24E-04	1.66E-02	8.09E-04	1.38E-08	1.10E-04	1.70E-05	9.36E-04
1821	495461.06	3859101.99	1.77E-03	1.64E-08	1.10E-04	1.70E-05	1.90E-03	8.37E-04	6.76E-03	8.27E-03	6.22E-04	1.65E-02	7.96E-04	1.35E-08	1.10E-04	1.70E-05	9.23E-04
1822	495511.06	3859101.99	1.75E-03	1.63E-08	1.10E-04	1.69E-05	1.88E-03	8.25E-04	6.72E-03	8.25E-03	6.21E-04	1.64E-02	7.85E-04	1.34E-08	1.10E-04	1.69E-05	9.12E-04
1823	495561.06	3859101.99	1.72E-03	1.63E-08	1.07E-04	1.65E-05	1.85E-03	8.12E-04	6.70E-03	8.05E-03	6.05E-04	1.62E-02	7.73E-04	1.33E-08	1.07E-04	1.65E-05	8.96E-04
1824	495611.06	3859101.99	1.70E-03	1.60E-08	1.06E-04	1.63E-05	1.83E-03	8.03E-04	6.60E-03	7.93E-03	5.98E-04	1.59E-02	7.64E-04	1.32E-08	1.06E-04	1.63E-05	8.86E-04
1825	495661.06	3859101.99	1.70E-03	1.61E-08	1.06E-04	1.63E-05	1.83E-03	8.03E-04	6.63E-03	7.96E-03	5.98E-04	1.60E-02	7.64E-04	1.32E-08	1.06E-04	1.63E-05	8.86E-04
1826	494311.06	3859151.99	2.43E-03	2.58E-08	1.42E-04	2.42E-05	2.59E-03	1.14E-03	1.06E-02	1.06E-02	8.87E-04	2.33E-02	1.09E-03	2.12E-08	1.42E-04	2.42E-05	1.25E-03

1827	494361.06	3859151.99	2.47E-03	2.56E-08	1.41E-04	2.37E-05	2.63E-03	1.16E-03	1.05E-02	1.06E-02	8.71E-04	2.32E-02	1.11E-03	2.10E-08	1.41E-04	2.37E-05	1.27E-03
1828	494411.06	3859151.99	2.39E-03	2.48E-08	1.41E-04	2.31E-05	2.56E-03	1.13E-03	1.02E-02	1.06E-02	8.48E-04	2.28E-02	1.07E-03	2.04E-08	1.41E-04	2.31E-05	1.24E-03
1829	494461.06	3859151.99	2.32E-03	2.41E-08	1.37E-04	2.24E-05	2.48E-03	1.09E-03	9.93E-03	1.02E-02	8.23E-04	2.21E-02	1.04E-03	1.98E-08	1.37E-04	2.24E-05	1.20E-03
1830	494511.06	3859151.99	2.29E-03	2.35E-08	1.33E-04	2.16E-05	2.44E-03	1.08E-03	9.69E-03	9.95E-03	7.92E-04	2.15E-02	1.03E-03	1.93E-08	1.33E-04	2.16E-05	1.18E-03
1831	494561.06	3859151.99	2.29E-03	2.31E-08	1.28E-04	2.09E-05	2.43E-03	1.08E-03	9.50E-03	9.61E-03	7.68E-04	2.10E-02	1.03E-03	1.89E-08	1.28E-04	2.09E-05	1.17E-03
1832	494611.06	3859151.99	2.25E-03	2.23E-08	1.24E-04	2.06E-05	2.40E-03	1.06E-03	9.19E-03	9.27E-03	7.54E-04	2.03E-02	1.01E-03	1.83E-08	1.24E-04	2.06E-05	1.15E-03
1833	494661.06	3859151.99	2.24E-03	2.20E-08	1.19E-04	2.05E-05	2.38E-03	1.06E-03	9.07E-03	8.92E-03	7.52E-04	1.98E-02	1.00E-03	1.81E-08	1.19E-04	2.05E-05	1.14E-03
1834	494711.06	3859151.99	2.23E-03	2.18E-08	1.14E-04	2.04E-05	2.36E-03	1.05E-03	8.97E-03	8.57E-03	7.49E-04	1.93E-02	1.00E-03	1.79E-08	1.14E-04	2.04E-05	1.13E-03
1835	494761.06	3859151.99	2.17E-03	2.13E-08	1.13E-04	1.92E-05	2.31E-03	1.03E-03	8.78E-03	8.51E-03	7.02E-04	1.90E-02	9.75E-04	1.75E-08	1.13E-04	1.92E-05	1.11E-03
1836	494811.06	3859151.99	2.12E-03	2.08E-08	1.14E-04	1.85E-05	2.26E-03	1.00E-03	8.56E-03	8.57E-03	6.77E-04	1.88E-02	9.53E-04	1.71E-08	1.14E-04	1.85E-05	1.09E-03
1837	494861.06	3859151.99	2.10E-03	2.04E-08	1.16E-04	1.84E-05	2.24E-03	9.91E-04	8.40E-03	8.71E-03	6.74E-04	1.88E-02	9.43E-04	1.67E-08	1.16E-04	1.84E-05	1.08E-03
1838	494911.06	3859151.99	2.02E-03	1.96E-08	1.15E-04	1.82E-05	2.16E-03	9.55E-04	8.07E-03	8.59E-03	6.67E-04	1.83E-02	9.08E-04	1.61E-08	1.15E-04	1.82E-05	1.04E-03
1839	494961.06	3859151.99	1.91E-03	1.84E-08	1.11E-04	1.80E-05	2.04E-03	8.99E-04	7.57E-03	8.36E-03	6.60E-04	1.75E-02	8.55E-04	1.51E-08	1.11E-04	1.80E-05	9.84E-04
1840	495011.06	3859151.99	1.78E-03	1.76E-08	1.05E-04	1.77E-05	1.90E-03	8.40E-04	7.26E-03	7.89E-03	6.51E-04	1.66E-02	7.99E-04	1.45E-08	1.05E-04	1.77E-05	9.22E-04
1841	495061.06	3859151.99	1.79E-03	1.75E-08	1.07E-04	1.77E-05	1.92E-03	8.46E-04	7.23E-03	7.99E-03	6.49E-04	1.67E-02	8.05E-04	1.44E-08	1.07E-04	1.77E-05	9.29E-04
1842	495111.06	3859151.99	1.79E-03	1.74E-08	1.08E-04	1.76E-05	1.92E-03	8.46E-04	7.16E-03	8.13E-03	6.47E-04	1.68E-02	8.04E-04	1.43E-08	1.08E-04	1.76E-05	9.30E-04
1843	495161.06	3859151.99	1.85E-03	1.76E-08	1.13E-04	1.77E-05	1.98E-03	8.72E-04	7.24E-03	8.44E-03	6.47E-04	1.72E-02	8.29E-04	1.44E-08	1.13E-04	1.77E-05	9.59E-04
1844	495211.06	3859151.99	1.85E-03	1.75E-08	1.11E-04	1.76E-05	1.98E-03	8.72E-04	7.21E-03	8.31E-03	6.45E-04	1.70E-02	8.29E-04	1.44E-08	1.11E-04	1.76E-05	9.58E-04
1845	495261.06	3859151.99	1.85E-03	1.74E-08	1.12E-04	1.75E-05	1.98E-03	8.73E-04	7.17E-03	8.36E-03	6.43E-04	1.71E-02	8.30E-04	1.43E-08	1.12E-04	1.75E-05	9.59E-04
1846	495311.06	3859151.99	1.86E-03	1.74E-08	1.12E-04	1.75E-05	1.99E-03	8.76E-04	7.16E-03	8.43E-03	6.42E-04	1.71E-02	8.33E-04	1.43E-08	1.12E-04	1.75E-05	9.63E-04
1847	495361.06	3859151.99	1.86E-03	1.73E-08	1.13E-04	1.74E-05	1.99E-03	8.76E-04	7.14E-03	8.47E-03	6.38E-04	1.71E-02	8.33E-04	1.42E-08	1.13E-04	1.74E-05	9.63E-04
1848	495411.06	3859151.99	1.90E-03	1.76E-08	1.15E-04	1.75E-05	2.03E-03	8.95E-04	7.25E-03	8.63E-03	6.40E-04	1.74E-02	8.51E-04	1.44E-08	1.15E-04	1.75E-05	9.84E-04
1849	495461.06	3859151.99	1.91E-03	1.76E-08	1.16E-04	1.73E-05	2.04E-03	8.99E-04	7.23E-03	8.67E-03	6.35E-04	1.74E-02	8.55E-04	1.44E-08	1.16E-04	1.73E-05	9.88E-04
1850	495511.06	3859151.99	1.88E-03	1.72E-08	1.15E-04	1.70E-05	2.01E-03	8.86E-04	7.09E-03	8.59E-03	6.22E-04	1.72E-02	8.43E-04	1.41E-08	1.15E-04	1.70E-05	9.74E-04
1851	495561.06	3859151.99	1.85E-03	1.70E-08	1.10E-04	1.67E-05	1.98E-03	8.73E-04	7.01E-03	8.24E-03	6.13E-04	1.67E-02	8.31E-04	1.40E-08	1.10E-04	1.67E-05	9.57E-04
1852	495611.06	3859151.99	1.81E-03	1.69E-08	1.08E-04	1.65E-05	1.94E-03	8.56E-04	6.96E-03	8.11E-03	6.07E-04	1.65E-02	8.14E-04	1.39E-08	1.08E-04	1.65E-05	9.39E-04
1853	495661.06	3859151.99	1.80E-03	1.68E-08	1.08E-04	1.65E-05	1.92E-03	8.47E-04	6.92E-03	8.09E-03	6.06E-04	1.65E-02	8.05E-04	1.38E-08	1.08E-04	1.65E-05	9.30E-04
1854	494311.06	3859201.99	2.55E-03	2.69E-08	1.38E-04	2.54E-05	2.72E-03	1.20E-03	1.11E-02	1.04E-02	9.31E-04	2.36E-02	1.15E-03	2.21E-08	1.38E-04	2.54E-05	1.31E-03
1855	494361.06	3859201.99	2.49E-03	2.65E-08	1.36E-04	2.50E-05	2.65E-03	1.17E-03	1.09E-02	1.02E-02	9.16E-04	2.32E-02	1.12E-03	2.17E-08	1.36E-04	2.50E-05	1.28E-03
1856	494411.06	3859201.99	2.41E-03	2.61E-08	1.36E-04	2.45E-05	2.57E-03	1.14E-03	1.07E-02	1.02E-02	9.00E-04	2.30E-02	1.08E-03	2.14E-08	1.36E-04	2.45E-05	1.24E-03
1857	494461.06	3859201.99	2.38E-03	2.54E-08	1.37E-04	2.39E-05	2.54E-03	1.12E-03	1.04E-02	1.03E-02	8.78E-04	2.27E-02	1.07E-03	2.08E-08	1.37E-04	2.39E-05	1.23E-03
1858	494511.06	3859201.99	2.40E-03	2.50E-08	1.37E-04	2.34E-05	2.56E-03	1.13E-03	1.03E-02	1.03E-02	8.58E-04	2.26E-02	1.08E-03	2.05E-08	1.37E-04	2.34E-05	1.24E-03
1859	494561.06	3859201.99	2.30E-03	2.42E-08	1.37E-04	2.26E-05	2.46E-03	1.09E-03	9.95E-03	1.03E-02	8.30E-04	2.21E-02	1.03E-03	1.98E-08	1.37E-04	2.26E-05	1.19E-03
1860	494611.06	3859201.99	2.23E-03	2.36E-08	1.37E-04	2.19E-05	2.39E-03	1.05E-03	9.72E-03	1.03E-02	8.04E-04	2.18E-02	9.99E-04	1.94E-08	1.37E-04	2.19E-05	1.16E-03
1861	494661.06	3859201.99	2.23E-03	2.32E-08	1.36E-04	2.13E-05	2.38E-03	1.05E-03	9.55E-03	1.02E-02	7.80E-04	2.16E-02	9.99E-04	1.90E-08	1.36E-04	2.13E-05	1.16E-03
1862	494711.06	3859201.99	2.22E-03	2.28E-08	1.35E-04	2.07E-05	2.38E-03	1.05E-03	9.39E-03	1.01E-02	7.58E-04	2.13E-02	9.96E-04	1.87E-08	1.35E-04	2.07E-05	1.15E-03
1863	494761.06	3859201.99	2.18E-03	2.21E-08	1.31E-04	1.96E-05	2.33E-03	1.03E-03	9.12E-03	9.79E-03	7.20E-04	2.07E-02	9.77E-04	1.82E-08	1.31E-04	1.96E-05	1.13E-03
1864	494811.06	3859201.99	2.16E-03	2.17E-08	1.26E-04	1.91E-05	2.30E-03	1.02E-03	8.95E-03	9.44E-03	7.02E-04	2.01E-02	9.68E-04	1.78E-08	1.26E-04	1.91E-05	1.11E-03
1865	494861.06	3859201.99	2.10E-03	2.09E-08	1.21E-04	1.88E-05	2.24E-03	9.90E-04	8.62E-03	9.08E-03	6.91E-04	1.94E-02	9.41E-04	1.72E-08	1.21E-04	1.88E-05	1.08E-03
1866	494911.06	3859201.99	2.02E-03	2.01E-08	1.15E-04	1.86E-05	2.15E-03	9.50E-04	8.30E-03	8.62E-03	6.81E-04	1.85E-02	9.04E-04	1.65E-08	1.15E-04	1.86E-05	1.04E-03
1867	494961.06	3859201.99	1.92E-03	1.91E-08	1.08E-04	1.84E-05	2.05E-03	9.07E-04	7.85E-03	8.13E-03	6.73E-04	1.76E-02	8.62E-04	1.56E-08	1.08E-04	1.84E-05	9.89E-04
1868	495011.06	3859201.99	1.78E-03	1.80E-08	1.06E-04	1.79E-05	1.90E-03	8.40E-04	7.40E-03	7.97E-03	6.56E-04	1.69E-02	7.98E-04	1.47E-08	1.06E-04	1.79E-05	9.23E-04
1869	495061.06	3859201.99	1.87E-03	1.83E-08	1.05E-04	1.81E-05	2.00E-03	8.84E-04	7.54E-03	7.84E-03	6.63E-04	1.69E-02	8.41E-04	1.50E-08	1.05E-04	1.81E-05	9.63E-04
1870	495111.06	3859201.99	1.90E-03	1.84E-08	1.03E-04	1.80E-05	2.02E-03	8.97E-04	7.57E-03	7.73E-03	6.59E-04	1.69E-02	8.53E-04	1.51E-08	1.03E-04	1.80E-05	9.74E-04
1871	495161.06	3859201.99	1.92E-03	1.84E-08	1.03E-04	1.78E-05	2.04E-03	9.04E-04	7.57E-03	7.74E-03	6.54E-04	1.69E-02	8.60E-04	1.51E-08	1.03E-04	1.78E-05	9.81E-04
1872	495211.06	3859201.99	1.91E-03	1.82E-08	1.04E-04	1.76E-05	2.03E-03	8.99E-04	7.48E-03	7.79E-03	6.45E-04	1.68E-02	8.55E-04	1.49E-08	1.04E-04	1.76E-05	9.76E-04
1873	495261.06	3859201.99	1.93E-03	1.82E-08	1.06E-04	1.75E-05	2.05E-03	9.11E-04	7.51E-03	7.93E-03	6.42E-04	1.70E-02	8.66E-04	1.50E-08	1.06E-04	1.75E-05	9.89E-04
1874	495311.06	3859201.99	1.94E-03	1.82E-08	1.09E-04	1.74E-05	2.07E-03	9.15E-04	7.50E-03	8.14E-03	6.37E-04	1.72E-02	8.70E-04	1.49E-08	1.09E-04	1.74E-05	9.96E-04
1875	495361.06	3859201.99	1.95E-03	1.82E-08	1.12E-04	1.72E-05	2.08E-03	9.22E-04	7.51E-03	8.42E-03	6.32E-04	1.75E-02	8.77E-04	1.50E-08	1.12E-04	1.72E-05	1.01E-03
1876	495411.06	3859201.99	1.99E-03	1.84E-08	1.14E-04	1.72E-05	2.12E-03	9.38E-04	7.59E-03	8.53E-03	6.31E-04	1.77E-02	8.92E-04	1.51E-08	1.14E-04	1.72E-05	1.02E-03
1877	495461.06	3859201.99	1.98E-03	1.83E-08	1.12E-04	1.70E-05	2.11E-03	9.36E-04	7.54E-03	8.39E-03	6.24E-04	1.75E-02	8.90E-04	1.50E-08	1.12E-04	1.70E-05	1.02E-03
1878	495511.06	3859201.99	1.98E-03	1.82E-08	1.12E-04	1.69E-05	2.11E-03	9.32E-04	7.49E-03	8.39E-03	6.20E-04	1.74E-02	8.86E-04	1.49E-08	1.12E-04	1.69E-05	1.02E-03
1879	495561.06	3859201.99	1.93E-03	1.79E-08	1.11E-04	1.69E-05	2.06E-03	9.13E-04	7.38E-03	8.35E-03	6.18E-04	1.73E-02	8.68E-04	1.47E-08	1.11E-04	1.69E-05	9.96E-04
1880	495611.06	3859201.99	1.91E-03	1.78E-08	1.11E-04	1.68E-05	2.04E-03	9.03E-04	7.32E-03	8.34E-03	6.17E-04	1.72E-02	8.59E-04	1.46E-08	1.11E-04	1.68E-05	9.87E-04
1881	495661.06	3859201.99	1.91E-03	1.77E-08	1.12E-04	1.68E-05	2.04E-03	9.02E-04	7.29E-03	8.36E-03	6.15E-04	1.72E-02	8.57E-04	1.45E-08	1.12E-04	1.68E-05	9.86E-04
1882	494311.06	3859251.99	2.62E-03	2.84E-08	1.35E-04	2.68E-05	2.78E-03	1.23E-03	1.17E-02	1.01E-02	9.84E-04	2.40E-02	1.17E-03	2.33E-08	1.35E-04	2.68E-05	1.33E-03
1883	494361.06	3859251.99	2.59E-03	2.79E-08	1.32E-04	2.64E-05	2.75E-03	1.22E-03	1.15E-02	9.89E-03	9.69E-04	2.36E-02	1.16E-03	2.29E-08	1.32E-04	2.64E-05	1.32E-03
1884	494411.06	3859251.99	2.56E-03	2.71E-08	1.29E-04	2.58E-05	2.71E-03	1.21E-03	1.12E-02	9.65E-03	9.45E-04	2.30E-02	1.15E-03	2.23E-08	1.29E-04	2.58E-05	1.30E-03
1885	494461.06	3859251.99	2.50E-03	2.67E-08	1.30E-04	2.52E-05	2.66E-03	1.18E-03	1.10E-02	9.74E-03	9.23E-04	2.29E-02	1.12E-03	2.19E-08	1.30E-04	2.52E-05	1.28E-03
1886	494511.06	3859251.99	2.38E-03	2.59E-08	1.31E-04	2.43E-05	2.53E-03	1.12E-03	1.07E-02	9.83E-03	8.93E-04	2.25E-02	1.07E-03	2.12E-08	1.31E-04	2.43E-05	1.22E-03
1887	494561.06	3859251.99	2.34E-03	2.54E-08	1.32E-04	2.37E-05	2.49E-03	1.10E-03	1.05E-02	9.92E-03	8.69E-04	2.24E-02	1.05E-03	2.08E-08	1.32E-04	2.37E-05	1.20E-03

1888	494611.06	3859251.99	2.29E-03	2.47E-08	1.32E-04	2.30E-05	2.45E-03	1.08E-03	1.02E-02	9.90E-03	8.43E-04	2.20E-02	1.03E-03	2.03E-08	1.32E-04	2.30E-05	1.18E-03
1889	494661.06	3859251.99	2.31E-03	2.45E-08	1.32E-04	2.26E-05	2.46E-03	1.09E-03	1.01E-02	9.92E-03	8.29E-04	2.19E-02	1.04E-03	2.01E-08	1.32E-04	2.26E-05	1.19E-03
1890	494711.06	3859251.99	2.24E-03	2.40E-08	1.33E-04	2.21E-05	2.39E-03	1.06E-03	9.90E-03	9.94E-03	8.12E-04	2.17E-02	1.00E-03	1.97E-08	1.33E-04	2.21E-05	1.16E-03
1891	494761.06	3859251.99	2.11E-03	2.24E-08	1.33E-04	2.13E-05	2.27E-03	9.96E-04	9.23E-03	9.94E-03	7.80E-04	2.09E-02	9.47E-04	1.84E-08	1.33E-04	2.13E-05	1.10E-03
1892	494811.06	3859251.99	2.13E-03	2.26E-08	1.32E-04	2.07E-05	2.29E-03	1.01E-03	9.30E-03	9.91E-03	7.58E-04	2.10E-02	9.57E-04	1.85E-08	1.32E-04	2.07E-05	1.11E-03
1893	494861.06	3859251.99	2.09E-03	2.13E-08	1.32E-04	1.96E-05	2.24E-03	9.83E-04	8.77E-03	9.87E-03	7.20E-04	2.03E-02	9.35E-04	1.75E-08	1.32E-04	1.96E-05	1.09E-03
1894	494911.06	3859251.99	2.05E-03	2.05E-08	1.30E-04	1.87E-05	2.19E-03	9.65E-04	8.45E-03	9.74E-03	6.87E-04	1.98E-02	9.17E-04	1.68E-08	1.30E-04	1.87E-05	1.07E-03
1895	494961.06	3859251.99	2.01E-03	2.00E-08	1.29E-04	1.81E-05	2.16E-03	9.49E-04	8.24E-03	9.66E-03	6.65E-04	1.95E-02	9.03E-04	1.64E-08	1.29E-04	1.81E-05	1.05E-03
1896	495011.06	3859251.99	1.96E-03	1.94E-08	1.25E-04	1.78E-05	2.10E-03	9.23E-04	8.00E-03	9.39E-03	6.54E-04	1.90E-02	8.77E-04	1.59E-08	1.25E-04	1.78E-05	1.02E-03
1897	495061.06	3859251.99	1.97E-03	1.96E-08	1.21E-04	1.77E-05	2.11E-03	9.28E-04	8.07E-03	9.09E-03	6.50E-04	1.87E-02	8.82E-04	1.61E-08	1.21E-04	1.77E-05	1.02E-03
1898	495111.06	3859251.99	1.97E-03	1.95E-08	1.17E-04	1.75E-05	2.10E-03	9.30E-04	8.01E-03	8.74E-03	6.43E-04	1.83E-02	8.84E-04	1.60E-08	1.17E-04	1.75E-05	1.02E-03
1899	495161.06	3859251.99	1.99E-03	1.95E-08	1.12E-04	1.74E-05	2.12E-03	9.38E-04	8.02E-03	8.43E-03	6.37E-04	1.80E-02	8.92E-04	1.60E-08	1.12E-04	1.74E-05	1.02E-03
1900	495211.06	3859251.99	1.99E-03	1.92E-08	1.08E-04	1.72E-05	2.11E-03	9.36E-04	7.92E-03	8.09E-03	6.31E-04	1.76E-02	8.90E-04	1.58E-08	1.08E-04	1.72E-05	1.02E-03
1901	495261.06	3859251.99	2.01E-03	1.90E-08	1.04E-04	1.72E-05	2.13E-03	9.46E-04	7.84E-03	7.83E-03	6.31E-04	1.73E-02	9.00E-04	1.56E-08	1.04E-04	1.72E-05	1.02E-03
1902	495311.06	3859251.99	2.03E-03	1.92E-08	1.02E-04	1.72E-05	2.15E-03	9.57E-04	7.89E-03	7.64E-03	6.30E-04	1.71E-02	9.10E-04	1.57E-08	1.02E-04	1.72E-05	1.03E-03
1903	495361.06	3859251.99	2.03E-03	1.90E-08	1.01E-04	1.71E-05	2.15E-03	9.60E-04	7.84E-03	7.56E-03	6.28E-04	1.70E-02	9.13E-04	1.56E-08	1.01E-04	1.71E-05	1.03E-03
1904	495411.06	3859251.99	2.07E-03	1.92E-08	1.03E-04	1.71E-05	2.19E-03	9.75E-04	7.91E-03	7.72E-03	6.28E-04	1.72E-02	9.27E-04	1.58E-08	1.03E-04	1.71E-05	1.05E-03
1905	495461.06	3859251.99	2.07E-03	1.91E-08	1.04E-04	1.71E-05	2.19E-03	9.75E-04	7.86E-03	7.81E-03	6.26E-04	1.73E-02	9.27E-04	1.57E-08	1.04E-04	1.71E-05	1.05E-03
1906	495511.06	3859251.99	2.03E-03	1.86E-08	1.04E-04	1.70E-05	2.15E-03	9.58E-04	7.68E-03	7.82E-03	6.23E-04	1.71E-02	9.11E-04	1.53E-08	1.04E-04	1.70E-05	1.03E-03
1907	495561.06	3859251.99	2.02E-03	1.84E-08	1.06E-04	1.69E-05	2.14E-03	9.53E-04	7.60E-03	7.96E-03	6.20E-04	1.71E-02	9.06E-04	1.51E-08	1.06E-04	1.69E-05	1.03E-03
1908	495611.06	3859251.99	1.99E-03	1.82E-08	1.07E-04	1.69E-05	2.11E-03	9.38E-04	7.49E-03	8.04E-03	6.19E-04	1.71E-02	8.92E-04	1.49E-08	1.07E-04	1.69E-05	1.02E-03
1909	495661.06	3859251.99	1.97E-03	1.81E-08	1.09E-04	1.68E-05	2.10E-03	9.31E-04	7.45E-03	8.19E-03	6.18E-04	1.72E-02	8.86E-04	1.48E-08	1.09E-04	1.68E-05	1.01E-03
1910	494311.06	3859301.99	2.63E-03	3.03E-08	1.23E-04	2.67E-05	2.78E-03	1.24E-03	1.25E-02	9.24E-03	9.80E-04	2.39E-02	1.18E-03	2.48E-08	1.23E-04	2.67E-05	1.33E-03
1911	494361.06	3859301.99	2.62E-03	2.96E-08	1.22E-04	2.64E-05	2.76E-03	1.23E-03	1.22E-02	9.16E-03	9.69E-04	2.35E-02	1.17E-03	2.43E-08	1.22E-04	2.64E-05	1.32E-03
1912	494411.06	3859301.99	2.59E-03	2.87E-08	1.21E-04	2.60E-05	2.74E-03	1.22E-03	1.18E-02	9.08E-03	9.52E-04	2.31E-02	1.16E-03	2.36E-08	1.21E-04	2.60E-05	1.31E-03
1913	494461.06	3859301.99	2.56E-03	2.79E-08	1.22E-04	2.55E-05	2.71E-03	1.21E-03	1.15E-02	9.19E-03	9.36E-04	2.28E-02	1.15E-03	2.29E-08	1.22E-04	2.55E-05	1.30E-03
1914	494511.06	3859301.99	2.53E-03	2.72E-08	1.26E-04	2.52E-05	2.68E-03	1.19E-03	1.12E-02	9.43E-03	9.25E-04	2.28E-02	1.13E-03	2.23E-08	1.26E-04	2.52E-05	1.28E-03
1915	494561.06	3859301.99	2.49E-03	2.68E-08	1.29E-04	2.49E-05	2.64E-03	1.17E-03	1.10E-02	9.68E-03	9.14E-04	2.28E-02	1.12E-03	2.20E-08	1.29E-04	2.49E-05	1.27E-03
1916	494611.06	3859301.99	2.41E-03	2.62E-08	1.32E-04	2.45E-05	2.57E-03	1.14E-03	1.08E-02	9.92E-03	9.00E-04	2.28E-02	1.08E-03	2.15E-08	1.32E-04	2.45E-05	1.24E-03
1917	494661.06	3859301.99	2.32E-03	2.57E-08	1.27E-04	2.41E-05	2.47E-03	1.09E-03	1.06E-02	9.54E-03	8.84E-04	2.21E-02	1.04E-03	2.11E-08	1.27E-04	2.41E-05	1.19E-03
1918	494711.06	3859301.99	2.27E-03	2.50E-08	1.26E-04	2.35E-05	2.42E-03	1.07E-03	1.03E-02	9.43E-03	8.61E-04	2.17E-02	1.02E-03	2.05E-08	1.26E-04	2.35E-05	1.17E-03
1919	494761.06	3859301.99	2.22E-03	2.44E-08	1.27E-04	2.27E-05	2.37E-03	1.05E-03	1.01E-02	9.49E-03	8.34E-04	2.14E-02	9.97E-04	2.00E-08	1.27E-04	2.27E-05	1.15E-03
1920	494811.06	3859301.99	2.19E-03	2.35E-08	1.27E-04	2.21E-05	2.34E-03	1.03E-03	9.69E-03	9.53E-03	8.12E-04	2.11E-02	9.82E-04	1.93E-08	1.27E-04	2.21E-05	1.13E-03
1921	494861.06	3859301.99	2.06E-03	2.21E-08	1.26E-04	2.05E-05	2.21E-03	9.71E-04	9.09E-03	9.48E-03	7.51E-04	2.03E-02	9.23E-04	1.81E-08	1.26E-04	2.05E-05	1.07E-03
1922	494911.06	3859301.99	2.01E-03	2.14E-08	1.27E-04	1.97E-05	2.16E-03	9.48E-04	8.83E-03	9.52E-03	7.21E-04	2.00E-02	9.02E-04	1.76E-08	1.27E-04	1.97E-05	1.05E-03
1923	494961.06	3859301.99	1.97E-03	2.04E-08	1.26E-04	1.93E-05	2.12E-03	9.31E-04	8.39E-03	9.46E-03	7.06E-04	1.95E-02	8.85E-04	1.67E-08	1.26E-04	1.93E-05	1.03E-03
1924	495011.06	3859301.99	1.98E-03	2.00E-08	1.26E-04	1.90E-05	2.12E-03	9.33E-04	8.24E-03	9.44E-03	6.96E-04	1.93E-02	8.87E-04	1.64E-08	1.26E-04	1.90E-05	1.03E-03
1925	495061.06	3859301.99	2.04E-03	2.05E-08	1.26E-04	1.92E-05	2.19E-03	9.63E-04	8.43E-03	9.48E-03	7.04E-04	1.96E-02	9.16E-04	1.68E-08	1.26E-04	1.92E-05	1.06E-03
1926	495111.06	3859301.99	2.02E-03	2.01E-08	1.26E-04	1.85E-05	2.17E-03	9.54E-04	8.29E-03	9.44E-03	6.78E-04	1.94E-02	9.07E-04	1.65E-08	1.26E-04	1.85E-05	1.05E-03
1927	495161.06	3859301.99	2.02E-03	2.01E-08	1.26E-04	1.80E-05	2.16E-03	9.51E-04	8.29E-03	9.43E-03	6.61E-04	1.93E-02	9.04E-04	1.65E-08	1.26E-04	1.80E-05	1.05E-03
1928	495211.06	3859301.99	2.04E-03	2.02E-08	1.26E-04	1.79E-05	2.19E-03	9.64E-04	8.32E-03	9.43E-03	6.57E-04	1.94E-02	9.17E-04	1.66E-08	1.26E-04	1.79E-05	1.06E-03
1929	495261.06	3859301.99	2.07E-03	2.02E-08	1.24E-04	1.76E-05	2.22E-03	9.78E-04	8.31E-03	9.33E-03	6.47E-04	1.93E-02	9.30E-04	1.65E-08	1.24E-04	1.76E-05	1.07E-03
1930	495311.06	3859301.99	2.06E-03	1.99E-08	1.20E-04	1.73E-05	2.20E-03	9.71E-04	8.20E-03	9.00E-03	6.33E-04	1.88E-02	9.23E-04	1.63E-08	1.20E-04	1.73E-05	1.06E-03
1931	495361.06	3859301.99	2.09E-03	1.99E-08	1.16E-04	1.72E-05	2.22E-03	9.86E-04	8.21E-03	8.70E-03	6.32E-04	1.85E-02	9.37E-04	1.64E-08	1.16E-04	1.72E-05	1.07E-03
1932	495411.06	3859301.99	2.10E-03	1.99E-08	1.12E-04	1.72E-05	2.23E-03	9.92E-04	8.21E-03	8.40E-03	6.31E-04	1.82E-02	9.44E-04	1.64E-08	1.12E-04	1.72E-05	1.07E-03
1933	495461.06	3859301.99	2.12E-03	1.99E-08	1.08E-04	1.72E-05	2.25E-03	1.00E-03	8.20E-03	8.11E-03	6.29E-04	1.79E-02	9.52E-04	1.63E-08	1.08E-04	1.72E-05	1.08E-03
1934	495511.06	3859301.99	2.10E-03	1.96E-08	1.04E-04	1.71E-05	2.23E-03	9.93E-04	8.06E-03	7.80E-03	6.26E-04	1.75E-02	9.44E-04	1.61E-08	1.04E-04	1.71E-05	1.06E-03
1935	495561.06	3859301.99	2.06E-03	1.90E-08	9.95E-05	1.70E-05	2.17E-03	9.70E-04	7.82E-03	7.46E-03	6.23E-04	1.69E-02	9.23E-04	1.56E-08	9.95E-05	1.70E-05	1.04E-03
1936	495611.06	3859301.99	2.05E-03	1.88E-08	9.82E-05	1.70E-05	2.16E-03	9.67E-04	7.74E-03	7.37E-03	6.22E-04	1.67E-02	9.19E-04	1.54E-08	9.82E-05	1.70E-05	1.03E-03
1937	495661.06	3859301.99	2.04E-03	1.86E-08	9.76E-05	1.69E-05	2.15E-03	9.62E-04	7.66E-03	7.32E-03	6.21E-04	1.66E-02	9.15E-04	1.52E-08	9.76E-05	1.69E-05	1.03E-03
1938	494311.06	3859351.99	2.63E-03	3.17E-08	1.23E-04	2.59E-05	2.78E-03	1.24E-03	1.30E-02	9.23E-03	9.49E-04	2.45E-02	1.18E-03	2.60E-08	1.23E-04	2.59E-05	1.33E-03
1939	494361.06	3859351.99	2.60E-03	3.10E-08	1.23E-04	2.59E-05	2.75E-03	1.23E-03	1.28E-02	9.21E-03	9.50E-04	2.42E-02	1.17E-03	2.55E-08	1.23E-04	2.59E-05	1.32E-03
1940	494411.06	3859351.99	2.58E-03	2.99E-08	1.23E-04	2.60E-05	2.73E-03	1.22E-03	1.23E-02	9.19E-03	9.52E-04	2.37E-02	1.16E-03	2.46E-08	1.23E-04	2.60E-05	1.31E-03
1941	494461.06	3859351.99	2.56E-03	2.91E-08	1.22E-04	2.63E-05	2.71E-03	1.21E-03	1.20E-02	9.15E-03	9.66E-04	2.33E-02	1.15E-03	2.38E-08	1.22E-04	2.63E-05	1.30E-03
1942	494511.06	3859351.99	2.55E-03	2.84E-08	1.21E-04	2.60E-05	2.69E-03	1.20E-03	1.17E-02	9.09E-03	9.53E-04	2.29E-02	1.14E-03	2.33E-08	1.21E-04	2.60E-05	1.29E-03
1943	494561.06	3859351.99	2.53E-03	2.79E-08	1.20E-04	2.56E-05	2.68E-03	1.19E-03	1.15E-02	9.01E-03	9.40E-04	2.26E-02	1.14E-03	2.29E-08	1.20E-04	2.56E-05	1.28E-03
1944	494611.06	3859351.99	2.51E-03	2.73E-08	1.19E-04	2.52E-05	2.66E-03	1.18E-03	1.12E-02	8.93E-03	9.23E-04	2.23E-02	1.13E-03	2.24E-08	1.19E-04	2.52E-05	1.27E-03
1945	494661.06	3859351.99	2.48E-03	2.67E-08	1.18E-04	2.48E-05	2.63E-03	1.17E-03	1.10E-02	8.83E-03	9.11E-04	2.19E-02	1.11E-03	2.19E-08	1.18E-04	2.48E-05	1.26E-03
1946	494711.06	3859351.99	2.41E-03	2.59E-08	1.17E-04	2.45E-05	2.55E-03	1.14E-03	1.07E-02	8.79E-03	8.97E-04	2.15E-02	1.08E-03	2.12E-08	1.17E-04	2.45E-05	1.22E-03
1947	494761.06	3859351.99	2.29E-03	2.47E-08	1.20E-04	2.38E-05	2.43E-03	1.08E-03	1.02E-02	9.01E-03	8.71E-04	2.11E-02	1.03E-03	2.03E-08	1.20E-04	2.38E-05	1.17E-03
1948	494811.06	3859351.99	2.19E-03	2.35E-08	1.22E-04	2.18E-05	2.33E-03	1.03E-03	9.67E-03	9.15E-03	7.99E-04	2.07E-02	9.80E-04	1.93E-08	1.22E-04	2.18E-05	1.12E-03

1949	494861.06	3859351.99	2.14E-03	2.30E-08	1.25E-04	2.10E-05	2.29E-03	1.01E-03	9.48E-03	9.36E-03	7.70E-04	2.06E-02	9.62E-04	1.89E-08	1.25E-04	2.10E-05	1.11E-03
1950	494911.06	3859351.99	2.12E-03	2.27E-08	1.21E-04	2.06E-05	2.26E-03	1.00E-03	9.36E-03	9.11E-03	7.54E-04	2.02E-02	9.51E-04	1.86E-08	1.21E-04	2.06E-05	1.09E-03
1951	494961.06	3859351.99	2.07E-03	2.22E-08	1.21E-04	2.01E-05	2.21E-03	9.78E-04	9.14E-03	9.08E-03	7.36E-04	1.99E-02	9.30E-04	1.82E-08	1.21E-04	2.01E-05	1.07E-03
1952	495011.06	3859351.99	2.04E-03	2.18E-08	1.22E-04	2.00E-05	2.18E-03	9.61E-04	8.99E-03	9.12E-03	7.34E-04	1.98E-02	9.13E-04	1.79E-08	1.22E-04	2.00E-05	1.06E-03
1953	495061.06	3859351.99	2.05E-03	2.21E-08	1.23E-04	2.00E-05	2.19E-03	9.66E-04	9.11E-03	9.19E-03	7.34E-04	2.00E-02	9.18E-04	1.81E-08	1.23E-04	2.00E-05	1.06E-03
1954	495111.06	3859351.99	2.03E-03	2.17E-08	1.22E-04	2.00E-05	2.18E-03	9.59E-04	8.94E-03	9.12E-03	7.33E-04	1.97E-02	9.12E-04	1.78E-08	1.22E-04	2.00E-05	1.05E-03
1955	495161.06	3859351.99	2.05E-03	2.15E-08	1.23E-04	1.98E-05	2.20E-03	9.69E-04	8.87E-03	9.20E-03	7.25E-04	1.98E-02	9.21E-04	1.77E-08	1.23E-04	1.98E-05	1.06E-03
1956	495211.06	3859351.99	2.07E-03	2.13E-08	1.23E-04	1.94E-05	2.21E-03	9.76E-04	8.79E-03	9.25E-03	7.12E-04	1.97E-02	9.28E-04	1.75E-08	1.23E-04	1.94E-05	1.07E-03
1957	495261.06	3859351.99	2.10E-03	2.13E-08	1.24E-04	1.94E-05	2.24E-03	9.90E-04	8.79E-03	9.27E-03	7.10E-04	1.98E-02	9.42E-04	1.75E-08	1.24E-04	1.94E-05	1.08E-03
1958	495311.06	3859351.99	2.10E-03	2.10E-08	1.22E-04	1.90E-05	2.24E-03	9.90E-04	8.65E-03	9.14E-03	6.98E-04	1.95E-02	9.41E-04	1.72E-08	1.22E-04	1.90E-05	1.08E-03
1959	495361.06	3859351.99	2.10E-03	2.09E-08	1.20E-04	1.86E-05	2.24E-03	9.89E-04	8.59E-03	9.03E-03	6.83E-04	1.93E-02	9.40E-04	1.71E-08	1.20E-04	1.86E-05	1.08E-03
1960	495411.06	3859351.99	2.11E-03	2.08E-08	1.23E-04	1.83E-05	2.25E-03	9.97E-04	8.58E-03	9.24E-03	6.71E-04	1.95E-02	9.48E-04	1.71E-08	1.23E-04	1.83E-05	1.09E-03
1961	495461.06	3859351.99	2.13E-03	2.09E-08	1.23E-04	1.82E-05	2.27E-03	1.01E-03	8.60E-03	9.23E-03	6.66E-04	1.95E-02	9.56E-04	1.71E-08	1.23E-04	1.82E-05	1.10E-03
1962	495511.06	3859351.99	2.12E-03	2.04E-08	1.22E-04	1.77E-05	2.26E-03	1.00E-03	8.40E-03	9.17E-03	6.48E-04	1.92E-02	9.51E-04	1.67E-08	1.22E-04	1.77E-05	1.09E-03
1963	495561.06	3859351.99	2.11E-03	2.01E-08	1.18E-04	1.76E-05	2.25E-03	9.97E-04	8.26E-03	8.86E-03	6.46E-04	1.88E-02	9.48E-04	1.65E-08	1.18E-04	1.76E-05	1.08E-03
1964	495611.06	3859351.99	2.11E-03	1.98E-08	1.14E-04	1.76E-05	2.25E-03	9.97E-04	8.17E-03	8.57E-03	6.44E-04	1.84E-02	9.48E-04	1.63E-08	1.14E-04	1.76E-05	1.08E-03
1965	495661.06	3859351.99	2.09E-03	1.94E-08	1.10E-04	1.75E-05	2.22E-03	9.86E-04	7.98E-03	8.25E-03	6.41E-04	1.79E-02	9.37E-04	1.59E-08	1.10E-04	1.75E-05	1.06E-03
1966	494311.06	3859401.99	2.80E-03	3.36E-08	1.19E-04	2.61E-05	2.94E-03	1.32E-03	1.38E-02	8.96E-03	9.57E-04	2.51E-02	1.25E-03	2.75E-08	1.19E-04	2.61E-05	1.40E-03
1967	494361.06	3859401.99	2.72E-03	3.24E-08	1.20E-04	2.66E-05	2.86E-03	1.28E-03	1.33E-02	9.01E-03	9.74E-04	2.46E-02	1.22E-03	2.66E-08	1.20E-04	2.66E-05	1.36E-03
1968	494411.06	3859401.99	2.63E-03	3.10E-08	1.21E-04	2.69E-05	2.78E-03	1.24E-03	1.28E-02	9.06E-03	9.85E-04	2.40E-02	1.18E-03	2.54E-08	1.21E-04	2.69E-05	1.33E-03
1969	494461.06	3859401.99	2.57E-03	3.02E-08	1.21E-04	2.68E-05	2.71E-03	1.21E-03	1.24E-02	9.07E-03	9.82E-04	2.37E-02	1.15E-03	2.48E-08	1.21E-04	2.68E-05	1.30E-03
1970	494511.06	3859401.99	2.55E-03	2.97E-08	1.21E-04	2.65E-05	2.69E-03	1.20E-03	1.22E-02	9.05E-03	9.71E-04	2.34E-02	1.14E-03	2.43E-08	1.21E-04	2.65E-05	1.29E-03
1971	494561.06	3859401.99	2.54E-03	2.90E-08	1.20E-04	2.61E-05	2.69E-03	1.20E-03	1.20E-02	9.03E-03	9.58E-04	2.32E-02	1.14E-03	2.38E-08	1.20E-04	2.61E-05	1.29E-03
1972	494611.06	3859401.99	2.52E-03	2.83E-08	1.20E-04	2.57E-05	2.67E-03	1.19E-03	1.16E-02	9.00E-03	9.44E-04	2.28E-02	1.13E-03	2.32E-08	1.20E-04	2.57E-05	1.28E-03
1973	494661.06	3859401.99	2.51E-03	2.77E-08	1.19E-04	2.53E-05	2.66E-03	1.19E-03	1.14E-02	8.95E-03	9.26E-04	2.25E-02	1.13E-03	2.28E-08	1.19E-04	2.53E-05	1.27E-03
1974	494711.06	3859401.99	2.50E-03	2.71E-08	1.19E-04	2.49E-05	2.64E-03	1.18E-03	1.11E-02	8.90E-03	9.14E-04	2.21E-02	1.12E-03	2.22E-08	1.19E-04	2.49E-05	1.26E-03
1975	494761.06	3859401.99	2.45E-03	2.57E-08	1.18E-04	2.49E-05	2.59E-03	1.16E-03	1.06E-02	8.85E-03	9.14E-04	2.15E-02	1.10E-03	2.11E-08	1.18E-04	2.49E-05	1.24E-03
1976	494811.06	3859401.99	2.38E-03	2.50E-08	1.17E-04	2.42E-05	2.52E-03	1.12E-03	1.03E-02	8.76E-03	8.89E-04	2.11E-02	1.07E-03	2.05E-08	1.17E-04	2.42E-05	1.21E-03
1977	494861.06	3859401.99	2.29E-03	2.40E-08	1.16E-04	2.34E-05	2.43E-03	1.08E-03	9.88E-03	8.67E-03	8.57E-04	2.05E-02	1.03E-03	1.97E-08	1.16E-04	2.34E-05	1.16E-03
1978	494911.06	3859401.99	2.21E-03	2.33E-08	1.14E-04	2.32E-05	2.35E-03	1.04E-03	9.59E-03	8.56E-03	8.50E-04	2.00E-02	9.90E-04	1.91E-08	1.14E-04	2.32E-05	1.13E-03
1979	494961.06	3859401.99	2.17E-03	2.31E-08	1.13E-04	2.27E-05	2.31E-03	1.02E-03	9.51E-03	8.44E-03	8.31E-04	1.98E-02	9.75E-04	1.90E-08	1.13E-04	2.27E-05	1.11E-03
1980	495011.06	3859401.99	2.14E-03	2.29E-08	1.14E-04	2.25E-05	2.28E-03	1.01E-03	9.44E-03	8.55E-03	8.24E-04	1.98E-02	9.59E-04	1.88E-08	1.14E-04	2.25E-05	1.10E-03
1981	495061.06	3859401.99	2.15E-03	2.27E-08	1.17E-04	2.25E-05	2.29E-03	1.02E-03	9.37E-03	8.80E-03	8.26E-04	2.00E-02	9.65E-04	1.87E-08	1.17E-04	2.25E-05	1.11E-03
1982	495111.06	3859401.99	2.11E-03	2.23E-08	1.20E-04	2.20E-05	2.25E-03	9.95E-04	9.17E-03	8.99E-03	8.06E-04	2.00E-02	9.46E-04	1.83E-08	1.20E-04	2.20E-05	1.09E-03
1983	495161.06	3859401.99	2.09E-03	2.22E-08	1.17E-04	2.15E-05	2.23E-03	9.86E-04	9.16E-03	8.75E-03	7.88E-04	1.97E-02	9.38E-04	1.83E-08	1.17E-04	2.15E-05	1.08E-03
1984	495211.06	3859401.99	2.08E-03	2.22E-08	1.18E-04	2.12E-05	2.22E-03	9.79E-04	9.16E-03	8.81E-03	7.79E-04	1.97E-02	9.31E-04	1.82E-08	1.18E-04	2.12E-05	1.07E-03
1985	495261.06	3859401.99	2.08E-03	2.20E-08	1.18E-04	2.09E-05	2.22E-03	9.82E-04	9.08E-03	8.87E-03	7.65E-04	1.97E-02	9.34E-04	1.81E-08	1.18E-04	2.09E-05	1.07E-03
1986	495311.06	3859401.99	2.10E-03	2.18E-08	1.19E-04	2.04E-05	2.24E-03	9.89E-04	8.98E-03	8.91E-03	7.49E-04	1.96E-02	9.41E-04	1.79E-08	1.19E-04	2.04E-05	1.08E-03
1987	495361.06	3859401.99	2.13E-03	2.19E-08	1.18E-04	2.04E-05	2.27E-03	1.01E-03	9.00E-03	8.84E-03	7.49E-04	1.96E-02	9.57E-04	1.79E-08	1.18E-04	2.04E-05	1.10E-03
1988	495411.06	3859401.99	2.16E-03	2.17E-08	1.19E-04	2.02E-05	2.30E-03	1.02E-03	8.95E-03	8.91E-03	7.41E-04	1.96E-02	9.67E-04	1.78E-08	1.19E-04	2.02E-05	1.11E-03
1989	495461.06	3859401.99	2.16E-03	2.14E-08	1.20E-04	1.99E-05	2.30E-03	1.02E-03	8.83E-03	8.99E-03	7.30E-04	1.96E-02	9.69E-04	1.76E-08	1.20E-04	1.99E-05	1.11E-03
1990	495511.06	3859401.99	2.12E-03	2.10E-08	1.20E-04	1.93E-05	2.26E-03	1.00E-03	8.64E-03	8.99E-03	7.09E-04	1.93E-02	9.51E-04	1.72E-08	1.20E-04	1.93E-05	1.09E-03
1991	495561.06	3859401.99	2.09E-03	2.04E-08	1.19E-04	1.88E-05	2.23E-03	9.86E-04	8.42E-03	8.93E-03	6.89E-04	1.90E-02	9.38E-04	1.68E-08	1.19E-04	1.88E-05	1.08E-03
1992	495611.06	3859401.99	2.09E-03	2.02E-08	1.16E-04	1.83E-05	2.23E-03	9.87E-04	8.31E-03	8.70E-03	6.71E-04	1.87E-02	9.39E-04	1.66E-08	1.16E-04	1.83E-05	1.07E-03
1993	495661.06	3859401.99	2.10E-03	2.00E-08	1.15E-04	1.81E-05	2.23E-03	9.89E-04	8.24E-03	8.66E-03	6.65E-04	1.86E-02	9.41E-04	1.64E-08	1.15E-04	1.81E-05	1.07E-03
1994	494311.06	3859451.99	2.94E-03	3.46E-08	1.14E-04	2.63E-05	3.08E-03	1.39E-03	1.42E-02	8.51E-03	9.64E-04	2.51E-02	1.32E-03	2.84E-08	1.14E-04	2.63E-05	1.46E-03
1995	494361.06	3859451.99	2.87E-03	3.36E-08	1.15E-04	2.66E-05	3.01E-03	1.35E-03	1.39E-02	8.61E-03	9.75E-04	2.48E-02	1.29E-03	2.76E-08	1.15E-04	2.66E-05	1.43E-03
1996	494411.06	3859451.99	2.78E-03	3.18E-08	1.16E-04	2.61E-05	2.93E-03	1.31E-03	1.31E-02	8.72E-03	9.57E-04	2.41E-02	1.25E-03	2.61E-08	1.16E-04	2.61E-05	1.39E-03
1997	494461.06	3859451.99	2.71E-03	3.15E-08	1.17E-04	2.58E-05	2.85E-03	1.28E-03	1.30E-02	8.76E-03	9.46E-04	2.40E-02	1.22E-03	2.59E-08	1.17E-04	2.58E-05	1.36E-03
1998	494511.06	3859451.99	2.63E-03	3.09E-08	1.17E-04	2.53E-05	2.78E-03	1.24E-03	1.27E-02	8.80E-03	9.29E-04	2.37E-02	1.18E-03	2.53E-08	1.17E-04	2.53E-05	1.32E-03
1999	494561.06	3859451.99	2.57E-03	3.04E-08	1.18E-04	2.49E-05	2.71E-03	1.21E-03	1.25E-02	8.83E-03	9.15E-04	2.35E-02	1.15E-03	2.49E-08	1.18E-04	2.49E-05	1.29E-03
2000	494611.06	3859451.99	2.52E-03	3.01E-08	1.18E-04	2.50E-05	2.66E-03	1.19E-03	1.24E-02	8.84E-03	9.16E-04	2.33E-02	1.13E-03	2.47E-08	1.18E-04	2.50E-05	1.27E-03
2001	494661.06	3859451.99	2.51E-03	2.93E-08	1.18E-04	2.50E-05	2.65E-03	1.18E-03	1.21E-02	8.85E-03	9.15E-04	2.30E-02	1.12E-03	2.40E-08	1.18E-04	2.50E-05	1.27E-03
2002	494711.06	3859451.99	2.49E-03	2.85E-08	1.18E-04	2.48E-05	2.63E-03	1.18E-03	1.17E-02	8.85E-03	9.08E-04	2.27E-02	1.12E-03	2.34E-08	1.18E-04	2.48E-05	1.26E-03
2003	494761.06	3859451.99	2.48E-03	2.79E-08	1.18E-04	2.47E-05	2.62E-03	1.17E-03	1.15E-02	8.83E-03	9.07E-04	2.24E-02	1.11E-03	2.29E-08	1.18E-04	2.47E-05	1.25E-03
2004	494811.06	3859451.99	2.45E-03	2.68E-08	1.18E-04	2.46E-05	2.59E-03	1.15E-03	1.10E-02	8.81E-03	9.02E-04	2.19E-02	1.10E-03	2.20E-08	1.18E-04	2.46E-05	1.24E-03
2005	494861.06	3859451.99	2.42E-03	2.58E-08	1.17E-04	2.44E-05	2.56E-03	1.14E-03	1.06E-02	8.78E-03	8.94E-04	2.15E-02	1.08E-03	2.12E-08	1.17E-04	2.44E-05	1.22E-03
2006	494911.06	3859451.99	2.39E-03	2.52E-08	1.16E-04	2.42E-05	2.53E-03	1.13E-03	1.04E-02	8.72E-03	8.86E-04	2.11E-02	1.07E-03	2.07E-08	1.16E-04	2.42E-05	1.21E-03
2007	494961.06	3859451.99	2.35E-03	2.49E-08	1.15E-04	2.40E-05	2.49E-03	1.11E-03	1.03E-02	8.65E-03	8.79E-04	2.09E-02	1.05E-03	2.05E-08	1.15E-04	2.40E-05	1.19E-03
2008	495011.06	3859451.99	2.27E-03	2.46E-08	1.14E-04	2.37E-05	2.41E-03	1.07E-03	1.01E-02	8.58E-03	8.70E-04	2.07E-02	1.02E-03	2.02E-08	1.14E-04	2.37E-05	1.16E-03
2009	495061.06	3859451.99	2.25E-03	2.44E-08	1.13E-04	2.35E-05	2.38E-03	1.06E-03	1.00E-02	8.49E-03	8.60E-04	2.05E-02	1.01E-03	2.00E-08	1.13E-04	2.35E-05	1.14E-03

2010	495111.06	3859451.99	2.20E-03	2.41E-08	1.12E-04	2.31E-05	2.33E-03	1.04E-03	9.95E-03	8.40E-03	8.48E-04	2.02E-02	9.86E-04	1.98E-08	1.12E-04	2.31E-05	1.12E-03
2011	495161.06	3859451.99	2.16E-03	2.40E-08	1.11E-04	2.29E-05	2.29E-03	1.02E-03	9.89E-03	8.30E-03	8.40E-04	2.01E-02	9.68E-04	1.97E-08	1.11E-04	2.29E-05	1.10E-03
2012	495211.06	3859451.99	2.19E-03	2.40E-08	1.09E-04	2.27E-05	2.32E-03	1.03E-03	9.87E-03	8.20E-03	8.32E-04	1.99E-02	9.81E-04	1.97E-08	1.09E-04	2.27E-05	1.11E-03
2013	495261.06	3859451.99	2.17E-03	2.39E-08	1.10E-04	2.24E-05	2.30E-03	1.02E-03	9.83E-03	8.27E-03	8.23E-04	1.99E-02	9.71E-04	1.96E-08	1.10E-04	2.24E-05	1.10E-03
2014	495311.06	3859451.99	2.14E-03	2.36E-08	1.13E-04	2.21E-05	2.27E-03	1.01E-03	9.72E-03	8.46E-03	8.10E-04	2.00E-02	9.60E-04	1.94E-08	1.13E-04	2.21E-05	1.09E-03
2015	495361.06	3859451.99	2.11E-03	2.34E-08	1.16E-04	2.18E-05	2.25E-03	9.97E-04	9.63E-03	8.67E-03	7.98E-04	2.01E-02	9.48E-04	1.92E-08	1.16E-04	2.18E-05	1.09E-03
2016	495411.06	3859451.99	2.12E-03	2.31E-08	1.13E-04	2.13E-05	2.25E-03	9.98E-04	9.51E-03	8.49E-03	7.83E-04	1.98E-02	9.49E-04	1.90E-08	1.13E-04	2.13E-05	1.08E-03
2017	495461.06	3859451.99	2.14E-03	2.29E-08	1.14E-04	2.10E-05	2.27E-03	1.01E-03	9.43E-03	8.55E-03	7.70E-04	1.98E-02	9.58E-04	1.88E-08	1.14E-04	2.10E-05	1.09E-03
2018	495511.06	3859451.99	2.12E-03	2.23E-08	1.15E-04	2.05E-05	2.26E-03	1.00E-03	9.18E-03	8.59E-03	7.52E-04	1.95E-02	9.53E-04	1.83E-08	1.15E-04	2.05E-05	1.09E-03
2019	495561.06	3859451.99	2.13E-03	2.19E-08	1.15E-04	2.05E-05	2.26E-03	1.00E-03	9.04E-03	8.63E-03	7.50E-04	1.94E-02	9.55E-04	1.80E-08	1.15E-04	2.05E-05	1.09E-03
2020	495611.06	3859451.99	2.13E-03	2.16E-08	1.14E-04	2.04E-05	2.27E-03	1.01E-03	8.91E-03	8.52E-03	7.49E-04	1.92E-02	9.57E-04	1.77E-08	1.14E-04	2.04E-05	1.09E-03
2021	495661.06	3859451.99	2.11E-03	2.13E-08	1.14E-04	2.02E-05	2.25E-03	9.97E-04	8.79E-03	8.57E-03	7.41E-04	1.91E-02	9.48E-04	1.75E-08	1.14E-04	2.02E-05	1.08E-03
2022	494311.06	3859501.99	2.96E-03	3.61E-08	1.14E-04	2.48E-05	3.10E-03	1.40E-03	1.49E-02	8.57E-03	9.09E-04	2.58E-02	1.33E-03	2.96E-08	1.14E-04	2.48E-05	1.47E-03
2023	494361.06	3859501.99	2.94E-03	3.50E-08	1.18E-04	2.46E-05	3.08E-03	1.39E-03	1.44E-02	8.84E-03	9.03E-04	2.56E-02	1.32E-03	2.88E-08	1.18E-04	2.46E-05	1.46E-03
2024	494411.06	3859501.99	2.88E-03	3.31E-08	1.31E-04	2.43E-05	3.04E-03	1.36E-03	1.36E-02	9.80E-03	8.90E-04	2.57E-02	1.29E-03	2.72E-08	1.31E-04	2.43E-05	1.45E-03
2025	494461.06	3859501.99	2.86E-03	3.33E-08	1.21E-04	2.41E-05	3.01E-03	1.35E-03	1.37E-02	9.05E-03	8.85E-04	2.50E-02	1.28E-03	2.74E-08	1.21E-04	2.41E-05	1.43E-03
2026	494511.06	3859501.99	2.79E-03	3.18E-08	1.22E-04	2.40E-05	2.93E-03	1.31E-03	1.31E-02	9.14E-03	8.78E-04	2.44E-02	1.25E-03	2.61E-08	1.22E-04	2.40E-05	1.40E-03
2027	494561.06	3859501.99	2.71E-03	3.12E-08	1.21E-04	2.41E-05	2.86E-03	1.28E-03	1.28E-02	9.07E-03	8.85E-04	2.41E-02	1.22E-03	2.56E-08	1.21E-04	2.41E-05	1.36E-03
2028	494611.06	3859501.99	2.65E-03	3.16E-08	1.13E-04	2.41E-05	2.79E-03	1.25E-03	1.30E-02	8.46E-03	8.83E-04	2.36E-02	1.19E-03	2.59E-08	1.13E-04	2.41E-05	1.32E-03
2029	494661.06	3859501.99	2.58E-03	3.07E-08	1.14E-04	2.41E-05	2.71E-03	1.22E-03	1.26E-02	8.53E-03	8.85E-04	2.33E-02	1.16E-03	2.52E-08	1.14E-04	2.41E-05	1.29E-03
2030	494711.06	3859501.99	2.51E-03	2.95E-08	1.15E-04	2.42E-05	2.65E-03	1.18E-03	1.22E-02	8.59E-03	8.86E-04	2.28E-02	1.13E-03	2.42E-08	1.15E-04	2.42E-05	1.27E-03
2031	494761.06	3859501.99	2.48E-03	2.96E-08	1.15E-04	2.43E-05	2.61E-03	1.17E-03	1.22E-02	8.61E-03	8.89E-04	2.29E-02	1.11E-03	2.43E-08	1.15E-04	2.43E-05	1.25E-03
2032	494811.06	3859501.99	2.44E-03	2.81E-08	1.15E-04	2.43E-05	2.58E-03	1.15E-03	1.16E-02	8.65E-03	8.93E-04	2.23E-02	1.09E-03	2.30E-08	1.15E-04	2.43E-05	1.23E-03
2033	494861.06	3859501.99	2.43E-03	2.77E-08	1.15E-04	2.44E-05	2.57E-03	1.15E-03	1.14E-02	8.66E-03	8.93E-04	2.21E-02	1.09E-03	2.27E-08	1.15E-04	2.44E-05	1.23E-03
2034	494911.06	3859501.99	2.43E-03	2.76E-08	1.15E-04	2.43E-05	2.57E-03	1.15E-03	1.14E-02	8.64E-03	8.93E-04	2.20E-02	1.09E-03	2.26E-08	1.15E-04	2.43E-05	1.23E-03
2035	494961.06	3859501.99	2.41E-03	2.70E-08	1.15E-04	2.42E-05	2.55E-03	1.14E-03	1.11E-02	8.63E-03	8.89E-04	2.18E-02	1.08E-03	2.21E-08	1.15E-04	2.42E-05	1.22E-03
2036	495011.06	3859501.99	2.41E-03	2.67E-08	1.15E-04	2.42E-05	2.55E-03	1.14E-03	1.10E-02	8.60E-03	8.86E-04	2.16E-02	1.08E-03	2.19E-08	1.15E-04	2.42E-05	1.22E-03
2037	495061.06	3859501.99	2.40E-03	2.65E-08	1.14E-04	2.41E-05	2.53E-03	1.13E-03	1.09E-02	8.56E-03	8.83E-04	2.15E-02	1.07E-03	2.17E-08	1.14E-04	2.41E-05	1.21E-03
2038	495111.06	3859501.99	2.32E-03	2.59E-08	1.13E-04	2.39E-05	2.45E-03	1.09E-03	1.07E-02	8.51E-03	8.75E-04	2.11E-02	1.04E-03	2.12E-08	1.13E-04	2.39E-05	1.18E-03
2039	495161.06	3859501.99	2.28E-03	2.57E-08	1.13E-04	2.37E-05	2.42E-03	1.08E-03	1.06E-02	8.45E-03	8.69E-04	2.10E-02	1.02E-03	2.11E-08	1.13E-04	2.37E-05	1.16E-03
2040	495211.06	3859501.99	2.27E-03	2.56E-08	1.12E-04	2.36E-05	2.40E-03	1.07E-03	1.06E-02	8.39E-03	8.64E-04	2.09E-02	1.02E-03	2.10E-08	1.12E-04	2.36E-05	1.15E-03
2041	495261.06	3859501.99	2.23E-03	2.54E-08	1.11E-04	2.34E-05	2.36E-03	1.05E-03	1.05E-02	8.31E-03	8.57E-04	2.07E-02	9.98E-04	2.08E-08	1.11E-04	2.34E-05	1.13E-03
2042	495311.06	3859501.99	2.18E-03	2.53E-08	1.10E-04	2.32E-05	2.32E-03	1.03E-03	1.04E-02	8.23E-03	8.49E-04	2.05E-02	9.80E-04	2.07E-08	1.10E-04	2.32E-05	1.11E-03
2043	495361.06	3859501.99	2.20E-03	2.50E-08	1.09E-04	2.29E-05	2.33E-03	1.04E-03	1.03E-02	8.15E-03	8.39E-04	2.03E-02	9.85E-04	2.05E-08	1.09E-04	2.29E-05	1.12E-03
2044	495411.06	3859501.99	2.16E-03	2.50E-08	1.07E-04	2.26E-05	2.29E-03	1.02E-03	1.03E-02	8.06E-03	8.29E-04	2.02E-02	9.70E-04	2.06E-08	1.07E-04	2.26E-05	1.10E-03
2045	495461.06	3859501.99	2.15E-03	2.44E-08	1.06E-04	2.23E-05	2.28E-03	1.02E-03	1.00E-02	7.96E-03	8.17E-04	1.98E-02	9.66E-04	2.00E-08	1.06E-04	2.23E-05	1.09E-03
2046	495511.06	3859501.99	2.10E-03	2.35E-08	1.07E-04	2.19E-05	2.23E-03	9.91E-04	9.69E-03	8.03E-03	8.03E-04	1.95E-02	9.43E-04	1.93E-08	1.07E-04	2.19E-05	1.07E-03
2047	495561.06	3859501.99	2.10E-03	2.35E-08	1.08E-04	2.14E-05	2.23E-03	9.92E-04	9.67E-03	8.13E-03	7.86E-04	1.96E-02	9.43E-04	1.93E-08	1.08E-04	2.14E-05	1.07E-03
2048	495611.06	3859501.99	2.11E-03	2.31E-08	1.11E-04	2.10E-05	2.24E-03	9.96E-04	9.50E-03	8.31E-03	7.70E-04	1.96E-02	9.47E-04	1.89E-08	1.11E-04	2.10E-05	1.08E-03
2049	495661.06	3859501.99	2.11E-03	2.26E-08	1.10E-04	2.07E-05	2.24E-03	9.97E-04	9.32E-03	8.23E-03	7.61E-04	1.93E-02	9.48E-04	1.86E-08	1.10E-04	2.07E-05	1.08E-03
2050	494311.06	3859551.99	2.92E-03	3.80E-08	1.16E-04	2.30E-05	3.06E-03	1.38E-03	1.57E-02	8.73E-03	8.44E-04	2.66E-02	1.31E-03	3.12E-08	1.16E-04	2.30E-05	1.45E-03
2051	494361.06	3859551.99	2.89E-03	3.65E-08	1.16E-04	2.36E-05	3.03E-03	1.36E-03	1.51E-02	8.67E-03	8.64E-04	2.60E-02	1.30E-03	3.00E-08	1.16E-04	2.36E-05	1.43E-03
2052	494411.06	3859551.99	2.88E-03	3.39E-08	1.22E-04	2.39E-05	3.02E-03	1.36E-03	1.40E-02	9.16E-03	8.75E-04	2.53E-02	1.29E-03	2.78E-08	1.22E-04	2.39E-05	1.44E-03
2053	494461.06	3859551.99	2.90E-03	3.45E-08	1.19E-04	2.36E-05	3.04E-03	1.37E-03	1.42E-02	8.89E-03	8.65E-04	2.53E-02	1.30E-03	2.83E-08	1.19E-04	2.36E-05	1.44E-03
2054	494511.06	3859551.99	2.88E-03	3.36E-08	1.22E-04	2.36E-05	3.02E-03	1.36E-03	1.38E-02	9.16E-03	8.64E-04	2.52E-02	1.29E-03	2.75E-08	1.22E-04	2.36E-05	1.44E-03
2055	494561.06	3859551.99	2.85E-03	3.31E-08	1.25E-04	2.37E-05	3.00E-03	1.35E-03	1.37E-02	9.38E-03	8.67E-04	2.52E-02	1.28E-03	2.72E-08	1.25E-04	2.37E-05	1.43E-03
2056	494611.06	3859551.99	2.79E-03	3.29E-08	1.25E-04	2.37E-05	2.94E-03	1.32E-03	1.36E-02	9.35E-03	8.67E-04	2.51E-02	1.25E-03	2.70E-08	1.25E-04	2.37E-05	1.40E-03
2057	494661.06	3859551.99	2.72E-03	3.26E-08	1.22E-04	2.37E-05	2.87E-03	1.28E-03	1.34E-02	9.15E-03	8.70E-04	2.47E-02	1.22E-03	2.67E-08	1.22E-04	2.37E-05	1.37E-03
2058	494711.06	3859551.99	2.63E-03	2.98E-08	1.34E-04	2.36E-05	2.79E-03	1.24E-03	1.23E-02	1.00E-02	8.65E-04	2.44E-02	1.18E-03	2.44E-08	1.34E-04	2.36E-05	1.34E-03
2059	494761.06	3859551.99	2.58E-03	3.06E-08	1.20E-04	2.37E-05	2.72E-03	1.22E-03	1.26E-02	9.02E-03	8.70E-04	2.37E-02	1.16E-03	2.51E-08	1.20E-04	2.37E-05	1.30E-03
2060	494811.06	3859551.99	2.51E-03	2.93E-08	1.24E-04	2.36E-05	2.66E-03	1.19E-03	1.21E-02	9.32E-03	8.66E-04	2.34E-02	1.13E-03	2.40E-08	1.24E-04	2.36E-05	1.27E-03
2061	494861.06	3859551.99	2.46E-03	2.89E-08	1.21E-04	2.38E-05	2.61E-03	1.16E-03	1.19E-02	9.04E-03	8.72E-04	2.30E-02	1.10E-03	2.37E-08	1.21E-04	2.38E-05	1.25E-03
2062	494911.06	3859551.99	2.42E-03	2.84E-08	1.18E-04	2.39E-05	2.56E-03	1.14E-03	1.17E-02	8.83E-03	8.76E-04	2.25E-02	1.09E-03	2.33E-08	1.18E-04	2.39E-05	1.23E-03
2063	494961.06	3859551.99	2.43E-03	2.83E-08	1.12E-04	2.40E-05	2.57E-03	1.15E-03	1.17E-02	8.40E-03	8.79E-04	2.21E-02	1.09E-03	2.32E-08	1.12E-04	2.40E-05	1.23E-03
2064	495011.06	3859551.99	2.44E-03	2.83E-08	1.12E-04	2.40E-05	2.57E-03	1.15E-03	1.17E-02	8.41E-03	8.81E-04	2.21E-02	1.09E-03	2.32E-08	1.12E-04	2.40E-05	1.23E-03
2065	495061.06	3859551.99	2.43E-03	2.80E-08	1.12E-04	2.40E-05	2.57E-03	1.15E-03	1.15E-02	8.41E-03	8.81E-04	2.20E-02	1.09E-03	2.30E-08	1.12E-04	2.40E-05	1.23E-03
2066	495111.06	3859551.99	2.42E-03	2.75E-08	1.12E-04	2.40E-05	2.56E-03	1.14E-03	1.13E-02	8.41E-03	8.80E-04	2.18E-02	1.09E-03	2.26E-08	1.12E-04	2.40E-05	1.22E-03
2067	495161.06	3859551.99	2.42E-03	2.75E-08	1.12E-04	2.40E-05	2.56E-03	1.14E-03	1.13E-02	8.40E-03	8.79E-04	2.18E-02	1.09E-03	2.26E-08	1.12E-04	2.40E-05	1.22E-03
2068	495211.06	3859551.99	2.40E-03	2.75E-08	1.12E-04	2.39E-05	2.53E-03	1.13E-03	1.13E-02	8.37E-03	8.77E-04	2.17E-02	1.07E-03	2.25E-08	1.12E-04	2.39E-05	1.21E-03
2069	495261.06	3859551.99	2.32E-03	2.70E-08	1.11E-04	2.38E-05	2.46E-03	1.10E-03	1.11E-02	8.34E-03	8.72E-04	2.14E-02	1.04E-03	2.22E-08	1.11E-04	2.38E-05	1.18E-03
2070	495311.06	3859551.99	2.30E-03	2.67E-08	1.11E-04	2.37E-05	2.44E-03	1.09E-03	1.10E-02	8.30E-03	8.67E-04	2.12E-02	1.03E-03	2.19E-08	1.11E-04	2.37E-05	1.17E-03

2071	495361.06	3859551.99	2.27E-03	2.64E-08	1.10E-04	2.35E-05	2.40E-03	1.07E-03	1.09E-02	8.25E-03	8.62E-04	2.11E-02	1.02E-03	2.17E-08	1.10E-04	2.35E-05	1.15E-03
2072	495411.06	3859551.99	2.23E-03	2.63E-08	1.09E-04	2.33E-05	2.36E-03	1.05E-03	1.08E-02	8.19E-03	8.56E-04	2.09E-02	9.99E-04	2.15E-08	1.09E-04	2.33E-05	1.13E-03
2073	495461.06	3859551.99	2.16E-03	2.56E-08	1.08E-04	2.31E-05	2.30E-03	1.02E-03	1.06E-02	8.14E-03	8.46E-04	2.06E-02	9.71E-04	2.10E-08	1.08E-04	2.31E-05	1.10E-03
2074	495511.06	3859551.99	2.17E-03	2.50E-08	1.08E-04	2.28E-05	2.30E-03	1.02E-03	1.03E-02	8.07E-03	8.35E-04	2.02E-02	9.71E-04	2.05E-08	1.08E-04	2.28E-05	1.10E-03
2075	495561.06	3859551.99	2.12E-03	2.47E-08	1.07E-04	2.25E-05	2.25E-03	1.00E-03	1.02E-02	7.99E-03	8.25E-04	2.00E-02	9.51E-04	2.03E-08	1.07E-04	2.25E-05	1.08E-03
2076	495611.06	3859551.99	2.13E-03	2.43E-08	1.05E-04	2.22E-05	2.26E-03	1.01E-03	1.00E-02	7.91E-03	8.13E-04	1.98E-02	9.57E-04	2.00E-08	1.05E-04	2.22E-05	1.09E-03
2077	495661.06	3859551.99	2.10E-03	2.39E-08	1.04E-04	2.18E-05	2.22E-03	9.89E-04	9.84E-03	7.82E-03	8.00E-04	1.95E-02	9.41E-04	1.96E-08	1.04E-04	2.18E-05	1.07E-03
2078	494311.06	3859601.99	2.98E-03	3.98E-08	1.14E-04	2.26E-05	3.12E-03	1.41E-03	1.64E-02	8.52E-03	8.30E-04	2.72E-02	1.34E-03	3.27E-08	1.14E-04	2.26E-05	1.47E-03
2079	494361.06	3859601.99	2.91E-03	3.67E-08	1.32E-04	2.30E-05	3.07E-03	1.37E-03	1.51E-02	9.93E-03	8.45E-04	2.73E-02	1.31E-03	3.02E-08	1.32E-04	2.30E-05	1.46E-03
2080	494411.06	3859601.99	2.89E-03	3.52E-08	1.32E-04	2.36E-05	3.04E-03	1.36E-03	1.45E-02	9.93E-03	8.64E-04	2.67E-02	1.30E-03	2.89E-08	1.32E-04	2.36E-05	1.45E-03
2081	494461.06	3859601.99	2.87E-03	3.58E-08	1.24E-04	2.32E-05	3.01E-03	1.35E-03	1.48E-02	9.27E-03	8.50E-04	2.62E-02	1.29E-03	2.94E-08	1.24E-04	2.32E-05	1.43E-03
2082	494511.06	3859601.99	2.84E-03	3.45E-08	1.24E-04	2.35E-05	2.98E-03	1.34E-03	1.42E-02	9.27E-03	8.62E-04	2.57E-02	1.27E-03	2.83E-08	1.24E-04	2.35E-05	1.42E-03
2083	494561.06	3859601.99	2.82E-03	3.47E-08	1.16E-04	2.33E-05	2.96E-03	1.33E-03	1.43E-02	8.73E-03	8.53E-04	2.52E-02	1.27E-03	2.85E-08	1.16E-04	2.33E-05	1.41E-03
2084	494611.06	3859601.99	2.84E-03	3.45E-08	1.16E-04	2.32E-05	2.98E-03	1.34E-03	1.42E-02	8.68E-03	8.49E-04	2.51E-02	1.27E-03	2.83E-08	1.16E-04	2.32E-05	1.41E-03
2085	494661.06	3859601.99	2.83E-03	3.26E-08	1.17E-04	2.35E-05	2.97E-03	1.34E-03	1.34E-02	8.78E-03	8.63E-04	2.44E-02	1.27E-03	2.67E-08	1.17E-04	2.35E-05	1.41E-03
2086	494711.06	3859601.99	2.78E-03	3.12E-08	1.22E-04	2.38E-05	2.92E-03	1.31E-03	1.28E-02	9.12E-03	8.72E-04	2.41E-02	1.25E-03	2.56E-08	1.22E-04	2.38E-05	1.39E-03
2087	494761.06	3859601.99	2.73E-03	3.21E-08	1.21E-04	2.34E-05	2.87E-03	1.29E-03	1.32E-02	9.10E-03	8.58E-04	2.45E-02	1.22E-03	2.63E-08	1.21E-04	2.34E-05	1.37E-03
2088	494811.06	3859601.99	2.65E-03	3.06E-08	1.26E-04	2.37E-05	2.80E-03	1.25E-03	1.26E-02	9.43E-03	8.71E-04	2.41E-02	1.19E-03	2.51E-08	1.26E-04	2.37E-05	1.34E-03
2089	494861.06	3859601.99	2.58E-03	3.03E-08	1.28E-04	2.38E-05	2.73E-03	1.22E-03	1.25E-02	9.59E-03	8.73E-04	2.42E-02	1.16E-03	2.49E-08	1.28E-04	2.38E-05	1.31E-03
2090	494911.06	3859601.99	2.52E-03	2.94E-08	1.30E-04	2.40E-05	2.67E-03	1.19E-03	1.21E-02	9.77E-03	8.79E-04	2.39E-02	1.13E-03	2.41E-08	1.30E-04	2.40E-05	1.28E-03
2091	494961.06	3859601.99	2.48E-03	2.99E-08	1.19E-04	2.39E-05	2.63E-03	1.17E-03	1.23E-02	8.95E-03	8.76E-04	2.33E-02	1.11E-03	2.45E-08	1.19E-04	2.39E-05	1.26E-03
2092	495011.06	3859601.99	2.42E-03	2.89E-08	1.21E-04	2.38E-05	2.57E-03	1.14E-03	1.19E-02	9.08E-03	8.73E-04	2.30E-02	1.09E-03	2.37E-08	1.21E-04	2.38E-05	1.23E-03
2093	495061.06	3859601.99	2.42E-03	2.91E-08	1.13E-04	2.38E-05	2.56E-03	1.14E-03	1.20E-02	8.50E-03	8.74E-04	2.25E-02	1.09E-03	2.39E-08	1.13E-04	2.38E-05	1.22E-03
2094	495111.06	3859601.99	2.42E-03	2.85E-08	1.11E-04	2.36E-05	2.55E-03	1.14E-03	1.17E-02	8.36E-03	8.65E-04	2.21E-02	1.09E-03	2.34E-08	1.11E-04	2.36E-05	1.22E-03
2095	495161.06	3859601.99	2.43E-03	2.86E-08	1.09E-04	2.36E-05	2.56E-03	1.15E-03	1.18E-02	8.15E-03	8.67E-04	2.19E-02	1.09E-03	2.35E-08	1.09E-04	2.36E-05	1.22E-03
2096	495211.06	3859601.99	2.43E-03	2.84E-08	1.09E-04	2.37E-05	2.56E-03	1.15E-03	1.17E-02	8.17E-03	8.68E-04	2.19E-02	1.09E-03	2.33E-08	1.09E-04	2.37E-05	1.22E-03
2097	495261.06	3859601.99	2.43E-03	2.84E-08	1.09E-04	2.37E-05	2.56E-03	1.15E-03	1.17E-02	8.18E-03	8.69E-04	2.19E-02	1.09E-03	2.33E-08	1.09E-04	2.37E-05	1.22E-03
2098	495311.06	3859601.99	2.43E-03	2.83E-08	1.09E-04	2.37E-05	2.56E-03	1.15E-03	1.17E-02	8.17E-03	8.68E-04	2.18E-02	1.09E-03	2.32E-08	1.09E-04	2.37E-05	1.22E-03
2099	495361.06	3859601.99	2.35E-03	2.79E-08	1.09E-04	2.36E-05	2.48E-03	1.11E-03	1.15E-02	8.17E-03	8.66E-04	2.16E-02	1.05E-03	2.29E-08	1.09E-04	2.36E-05	1.19E-03
2100	495411.06	3859601.99	2.33E-03	2.77E-08	1.09E-04	2.35E-05	2.46E-03	1.10E-03	1.14E-02	8.15E-03	8.63E-04	2.15E-02	1.05E-03	2.27E-08	1.09E-04	2.35E-05	1.18E-03
2101	495461.06	3859601.99	2.29E-03	2.69E-08	1.08E-04	2.34E-05	2.42E-03	1.08E-03	1.11E-02	8.13E-03	8.60E-04	2.11E-02	1.03E-03	2.20E-08	1.08E-04	2.34E-05	1.16E-03
2102	495511.06	3859601.99	2.23E-03	2.62E-08	1.08E-04	2.33E-05	2.36E-03	1.05E-03	1.08E-02	8.11E-03	8.54E-04	2.08E-02	1.00E-03	2.15E-08	1.08E-04	2.33E-05	1.13E-03
2103	495561.06	3859601.99	2.19E-03	2.61E-08	1.08E-04	2.31E-05	2.32E-03	1.03E-03	1.07E-02	8.07E-03	8.49E-04	2.07E-02	9.82E-04	2.14E-08	1.08E-04	2.31E-05	1.11E-03
2104	495611.06	3859601.99	2.12E-03	2.53E-08	1.07E-04	2.29E-05	2.25E-03	1.00E-03	1.04E-02	8.03E-03	8.39E-04	2.03E-02	9.51E-04	2.08E-08	1.07E-04	2.29E-05	1.08E-03
2105	495661.06	3859601.99	2.14E-03	2.51E-08	1.06E-04	2.27E-05	2.27E-03	1.01E-03	1.03E-02	7.97E-03	8.32E-04	2.01E-02	9.60E-04	2.06E-08	1.06E-04	2.27E-05	1.09E-03
2106	494311.06	3859651.99	2.94E-03	4.07E-08	9.86E-05	2.28E-05	3.06E-03	1.39E-03	1.68E-02	7.40E-03	8.35E-04	2.64E-02	1.32E-03	3.34E-08	9.86E-05	2.28E-05	1.44E-03
2107	494361.06	3859651.99	2.96E-03	3.77E-08	1.24E-04	2.33E-05	3.11E-03	1.40E-03	1.55E-02	9.29E-03	8.53E-04	2.71E-02	1.33E-03	3.10E-08	1.24E-04	2.33E-05	1.48E-03
2108	494411.06	3859651.99	2.97E-03	3.68E-08	1.33E-04	2.32E-05	3.13E-03	1.40E-03	1.52E-02	9.99E-03	8.50E-04	2.74E-02	1.33E-03	3.02E-08	1.33E-04	2.32E-05	1.49E-03
2109	494461.06	3859651.99	2.90E-03	3.74E-08	1.27E-04	2.30E-05	3.05E-03	1.37E-03	1.54E-02	9.54E-03	8.44E-04	2.72E-02	1.30E-03	3.07E-08	1.27E-04	2.30E-05	1.45E-03
2110	494511.06	3859651.99	2.87E-03	3.64E-08	1.30E-04	2.30E-05	3.02E-03	1.35E-03	1.50E-02	9.74E-03	8.43E-04	2.69E-02	1.29E-03	2.99E-08	1.30E-04	2.30E-05	1.44E-03
2111	494561.06	3859651.99	2.85E-03	3.62E-08	1.27E-04	2.29E-05	3.00E-03	1.34E-03	1.49E-02	9.53E-03	8.40E-04	2.66E-02	1.28E-03	2.97E-08	1.27E-04	2.29E-05	1.43E-03
2112	494611.06	3859651.99	2.83E-03	3.59E-08	1.23E-04	2.29E-05	2.97E-03	1.33E-03	1.48E-02	9.23E-03	8.39E-04	2.62E-02	1.27E-03	2.95E-08	1.23E-04	2.29E-05	1.41E-03
2113	494661.06	3859651.99	2.79E-03	3.41E-08	1.25E-04	2.34E-05	2.94E-03	1.32E-03	1.40E-02	9.38E-03	8.57E-04	2.56E-02	1.25E-03	2.80E-08	1.25E-04	2.34E-05	1.40E-03
2114	494711.06	3859651.99	2.77E-03	3.35E-08	1.20E-04	2.33E-05	2.91E-03	1.31E-03	1.38E-02	9.01E-03	8.54E-04	2.50E-02	1.24E-03	2.75E-08	1.20E-04	2.33E-05	1.38E-03
2115	494761.06	3859651.99	2.77E-03	3.33E-08	1.15E-04	2.32E-05	2.91E-03	1.31E-03	1.37E-02	8.61E-03	8.50E-04	2.45E-02	1.24E-03	2.73E-08	1.15E-04	2.32E-05	1.38E-03
2116	494811.06	3859651.99	2.78E-03	3.21E-08	1.16E-04	2.33E-05	2.92E-03	1.31E-03	1.32E-02	8.71E-03	8.55E-04	2.41E-02	1.25E-03	2.64E-08	1.16E-04	2.33E-05	1.39E-03
2117	494861.06	3859651.99	2.72E-03	3.16E-08	1.14E-04	2.33E-05	2.86E-03	1.29E-03	1.30E-02	8.56E-03	8.54E-04	2.37E-02	1.22E-03	2.59E-08	1.14E-04	2.33E-05	1.36E-03
2118	494911.06	3859651.99	2.66E-03	3.11E-08	1.17E-04	2.33E-05	2.80E-03	1.25E-03	1.28E-02	8.77E-03	8.56E-04	2.37E-02	1.19E-03	2.55E-08	1.17E-04	2.33E-05	1.33E-03
2119	494961.06	3859651.99	2.59E-03	3.08E-08	1.19E-04	2.33E-05	2.73E-03	1.22E-03	1.27E-02	8.94E-03	8.56E-04	2.37E-02	1.16E-03	2.53E-08	1.19E-04	2.33E-05	1.30E-03
2120	495011.06	3859651.99	2.54E-03	3.04E-08	1.22E-04	2.34E-05	2.68E-03	1.20E-03	1.25E-02	9.12E-03	8.58E-04	2.37E-02	1.14E-03	2.50E-08	1.22E-04	2.34E-05	1.28E-03
2121	495061.06	3859651.99	2.49E-03	3.03E-08	1.19E-04	2.34E-05	2.64E-03	1.18E-03	1.25E-02	8.93E-03	8.58E-04	2.35E-02	1.12E-03	2.49E-08	1.19E-04	2.34E-05	1.26E-03
2122	495111.06	3859651.99	2.44E-03	2.98E-08	1.18E-04	2.35E-05	2.59E-03	1.15E-03	1.23E-02	8.82E-03	8.62E-04	2.31E-02	1.10E-03	2.45E-08	1.18E-04	2.35E-05	1.24E-03
2123	495161.06	3859651.99	2.41E-03	2.96E-08	1.14E-04	2.36E-05	2.55E-03	1.14E-03	1.22E-02	8.52E-03	8.64E-04	2.27E-02	1.08E-03	2.43E-08	1.14E-04	2.36E-05	1.22E-03
2124	495211.06	3859651.99	2.41E-03	2.95E-08	1.08E-04	2.36E-05	2.55E-03	1.14E-03	1.22E-02	8.13E-03	8.65E-04	2.23E-02	1.08E-03	2.42E-08	1.08E-04	2.36E-05	1.21E-03
2125	495261.06	3859651.99	2.42E-03	2.93E-08	1.05E-04	2.37E-05	2.55E-03	1.14E-03	1.21E-02	7.86E-03	8.69E-04	2.19E-02	1.08E-03	2.40E-08	1.05E-04	2.37E-05	1.21E-03
2126	495311.06	3859651.99	2.42E-03	2.91E-08	1.05E-04	2.38E-05	2.55E-03	1.14E-03	1.20E-02	7.89E-03	8.72E-04	2.19E-02	1.09E-03	2.39E-08	1.05E-04	2.38E-05	1.22E-03
2127	495361.06	3859651.99	2.43E-03	2.90E-08	1.05E-04	2.39E-05	2.56E-03	1.14E-03	1.19E-02	7.91E-03	8.76E-04	2.19E-02	1.09E-03	2.38E-08	1.05E-04	2.39E-05	1.22E-03
2128	495411.06	3859651.99	2.43E-03	2.87E-08	1.06E-04	2.40E-05	2.56E-03	1.14E-03	1.18E-02	7.94E-03	8.81E-04	2.18E-02	1.09E-03	2.36E-08	1.06E-04	2.40E-05	1.22E-03
2129	495461.06	3859651.99	2.38E-03	2.80E-08	1.06E-04	2.41E-05	2.51E-03	1.12E-03	1.15E-02	7.96E-03	8.84E-04	2.15E-02	1.07E-03	2.29E-08	1.06E-04	2.41E-05	1.20E-03
2130	495511.06	3859651.99	2.32E-03	2.73E-08	1.06E-04	2.38E-05	2.45E-03	1.09E-03	1.12E-02	7.97E-03	8.71E-04	2.12E-02	1.04E-03	2.24E-08	1.06E-04	2.38E-05	1.17E-03
2131	495561.06	3859651.99	2.30E-03	2.70E-08	1.06E-04	2.37E-05	2.43E-03	1.09E-03	1.11E-02	7.97E-03	8.68E-04	2.11E-02	1.03E-03	2.22E-08	1.06E-04	2.37E-05	1.16E-03

2132	495611.06	3859651.99	2.26E-03	2.66E-08	1.06E-04	2.34E-05	2.39E-03	1.06E-03	1.09E-02	7.96E-03	8.58E-04	2.08E-02	1.01E-03	2.18E-08	1.06E-04	2.34E-05	1.14E-03
2133	495661.06	3859651.99	2.20E-03	2.60E-08	1.06E-04	2.31E-05	2.33E-03	1.04E-03	1.07E-02	7.95E-03	8.47E-04	2.06E-02	9.88E-04	2.14E-08	1.06E-04	2.31E-05	1.12E-03
2134	494311.06	3859701.99	2.95E-03	3.89E-08	1.02E-04	2.35E-05	3.08E-03	1.39E-03	1.60E-02	7.64E-03	8.63E-04	2.59E-02	1.32E-03	3.20E-08	1.02E-04	2.35E-05	1.45E-03
2135	494361.06	3859701.99	2.93E-03	3.81E-08	1.00E-04	2.35E-05	3.05E-03	1.38E-03	1.57E-02	7.53E-03	8.60E-04	2.54E-02	1.31E-03	3.12E-08	1.00E-04	2.35E-05	1.44E-03
2136	494411.06	3859701.99	2.90E-03	3.79E-08	1.02E-04	2.34E-05	3.03E-03	1.37E-03	1.56E-02	7.66E-03	8.57E-04	2.55E-02	1.30E-03	3.11E-08	1.02E-04	2.34E-05	1.43E-03
2137	494461.06	3859701.99	2.90E-03	3.91E-08	9.67E-05	2.29E-05	3.02E-03	1.37E-03	1.61E-02	7.25E-03	8.38E-04	2.56E-02	1.30E-03	3.21E-08	9.67E-05	2.29E-05	1.42E-03
2138	494511.06	3859701.99	2.93E-03	3.83E-08	1.04E-04	2.28E-05	3.06E-03	1.38E-03	1.58E-02	7.79E-03	8.37E-04	2.58E-02	1.31E-03	3.14E-08	1.04E-04	2.28E-05	1.44E-03
2139	494561.06	3859701.99	2.89E-03	3.80E-08	1.08E-04	2.27E-05	3.02E-03	1.36E-03	1.56E-02	8.11E-03	8.31E-04	2.59E-02	1.29E-03	3.11E-08	1.08E-04	2.27E-05	1.43E-03
2140	494611.06	3859701.99	2.84E-03	3.75E-08	1.13E-04	2.25E-05	2.97E-03	1.34E-03	1.54E-02	8.51E-03	8.26E-04	2.61E-02	1.27E-03	3.08E-08	1.13E-04	2.25E-05	1.41E-03
2141	494661.06	3859701.99	2.82E-03	3.54E-08	1.36E-04	2.30E-05	2.98E-03	1.33E-03	1.46E-02	1.02E-02	8.42E-04	2.70E-02	1.27E-03	2.90E-08	1.36E-04	2.30E-05	1.43E-03
2142	494711.06	3859701.99	2.81E-03	3.56E-08	1.30E-04	2.29E-05	2.96E-03	1.32E-03	1.47E-02	9.73E-03	8.38E-04	2.66E-02	1.26E-03	2.92E-08	1.30E-04	2.29E-05	1.41E-03
2143	494761.06	3859701.99	2.78E-03	3.46E-08	1.28E-04	2.30E-05	2.93E-03	1.31E-03	1.42E-02	9.59E-03	8.44E-04	2.60E-02	1.25E-03	2.84E-08	1.28E-04	2.30E-05	1.40E-03
2144	494811.06	3859701.99	2.75E-03	3.36E-08	1.26E-04	2.31E-05	2.90E-03	1.30E-03	1.38E-02	9.43E-03	8.48E-04	2.54E-02	1.24E-03	2.75E-08	1.26E-04	2.31E-05	1.38E-03
2145	494861.06	3859701.99	2.73E-03	3.35E-08	1.19E-04	2.30E-05	2.87E-03	1.29E-03	1.38E-02	8.91E-03	8.42E-04	2.48E-02	1.22E-03	2.75E-08	1.19E-04	2.30E-05	1.37E-03
2146	494911.06	3859701.99	2.71E-03	3.27E-08	1.16E-04	2.29E-05	2.85E-03	1.28E-03	1.35E-02	8.67E-03	8.39E-04	2.42E-02	1.22E-03	2.68E-08	1.16E-04	2.29E-05	1.35E-03
2147	494961.06	3859701.99	2.72E-03	3.19E-08	1.12E-04	2.29E-05	2.86E-03	1.28E-03	1.31E-02	8.40E-03	8.40E-04	2.37E-02	1.22E-03	2.62E-08	1.12E-04	2.29E-05	1.36E-03
2148	495011.06	3859701.99	2.66E-03	3.17E-08	1.11E-04	2.28E-05	2.80E-03	1.26E-03	1.30E-02	8.34E-03	8.36E-04	2.35E-02	1.19E-03	2.60E-08	1.11E-04	2.28E-05	1.33E-03
2149	495061.06	3859701.99	2.60E-03	3.13E-08	1.10E-04	2.28E-05	2.73E-03	1.23E-03	1.29E-02	8.28E-03	8.36E-04	2.32E-02	1.17E-03	2.57E-08	1.10E-04	2.28E-05	1.30E-03
2150	495111.06	3859701.99	2.55E-03	3.10E-08	1.13E-04	2.28E-05	2.68E-03	1.20E-03	1.28E-02	8.46E-03	8.37E-04	2.33E-02	1.14E-03	2.54E-08	1.13E-04	2.28E-05	1.28E-03
2151	495161.06	3859701.99	2.50E-03	3.05E-08	1.15E-04	2.29E-05	2.64E-03	1.18E-03	1.26E-02	8.65E-03	8.39E-04	2.32E-02	1.12E-03	2.51E-08	1.15E-04	2.29E-05	1.26E-03
2152	495211.06	3859701.99	2.45E-03	3.01E-08	1.17E-04	2.30E-05	2.59E-03	1.16E-03	1.24E-02	8.76E-03	8.42E-04	2.31E-02	1.10E-03	2.47E-08	1.17E-04	2.30E-05	1.24E-03
2153	495261.06	3859701.99	2.41E-03	3.02E-08	1.09E-04	2.29E-05	2.54E-03	1.14E-03	1.25E-02	8.20E-03	8.38E-04	2.26E-02	1.08E-03	2.48E-08	1.09E-04	2.29E-05	1.21E-03
2154	495311.06	3859701.99	2.40E-03	2.98E-08	1.07E-04	2.30E-05	2.53E-03	1.13E-03	1.23E-02	8.06E-03	8.42E-04	2.23E-02	1.08E-03	2.45E-08	1.07E-04	2.30E-05	1.21E-03
2155	495361.06	3859701.99	2.39E-03	2.95E-08	1.05E-04	2.31E-05	2.52E-03	1.13E-03	1.21E-02	7.87E-03	8.45E-04	2.20E-02	1.07E-03	2.42E-08	1.05E-04	2.31E-05	1.20E-03
2156	495411.06	3859701.99	2.40E-03	2.89E-08	1.04E-04	2.32E-05	2.52E-03	1.13E-03	1.19E-02	7.83E-03	8.52E-04	2.17E-02	1.07E-03	2.37E-08	1.04E-04	2.32E-05	1.20E-03
2157	495461.06	3859701.99	2.40E-03	2.85E-08	1.02E-04	2.34E-05	2.52E-03	1.13E-03	1.17E-02	7.64E-03	8.56E-04	2.14E-02	1.08E-03	2.34E-08	1.02E-04	2.34E-05	1.20E-03
2158	495511.06	3859701.99	2.39E-03	2.75E-08	1.04E-04	2.36E-05	2.51E-03	1.13E-03	1.13E-02	7.78E-03	8.66E-04	2.11E-02	1.07E-03	2.26E-08	1.04E-04	2.36E-05	1.20E-03
2159	495561.06	3859701.99	2.39E-03	2.78E-08	1.03E-04	2.36E-05	2.52E-03	1.13E-03	1.15E-02	7.72E-03	8.66E-04	2.12E-02	1.07E-03	2.28E-08	1.03E-04	2.36E-05	1.20E-03
2160	495611.06	3859701.99	2.33E-03	2.74E-08	1.03E-04	2.38E-05	2.45E-03	1.10E-03	1.13E-02	7.74E-03	8.71E-04	2.10E-02	1.04E-03	2.25E-08	1.03E-04	2.38E-05	1.17E-03
2161	495661.06	3859701.99	2.31E-03	2.69E-08	1.04E-04	2.39E-05	2.43E-03	1.09E-03	1.11E-02	7.76E-03	8.77E-04	2.08E-02	1.03E-03	2.21E-08	1.04E-04	2.39E-05	1.16E-03
2162	494311.06	3859751.99	2.93E-03	4.15E-08	9.40E-05	2.33E-05	3.05E-03	1.38E-03	1.71E-02	7.05E-03	8.54E-04	2.64E-02	1.31E-03	3.40E-08	9.40E-05	2.33E-05	1.43E-03
2163	494361.06	3859751.99	2.92E-03	4.07E-08	9.21E-05	2.34E-05	3.04E-03	1.38E-03	1.68E-02	6.91E-03	8.57E-04	2.59E-02	1.31E-03	3.34E-08	9.21E-05	2.34E-05	1.43E-03
2164	494411.06	3859751.99	2.91E-03	3.97E-08	9.79E-05	2.35E-05	3.03E-03	1.37E-03	1.64E-02	7.35E-03	8.61E-04	2.59E-02	1.30E-03	3.26E-08	9.79E-05	2.35E-05	1.43E-03
2165	494461.06	3859751.99	2.87E-03	4.05E-08	1.00E-04	2.28E-05	3.00E-03	1.36E-03	1.67E-02	7.50E-03	8.36E-04	2.64E-02	1.29E-03	3.32E-08	1.00E-04	2.28E-05	1.41E-03
2166	494511.06	3859751.99	2.84E-03	4.06E-08	9.91E-05	2.25E-05	2.96E-03	1.34E-03	1.67E-02	7.43E-03	8.26E-04	2.63E-02	1.27E-03	3.33E-08	9.91E-05	2.25E-05	1.40E-03
2167	494561.06	3859751.99	2.84E-03	3.98E-08	9.76E-05	2.25E-05	2.96E-03	1.34E-03	1.64E-02	7.32E-03	8.24E-04	2.59E-02	1.27E-03	3.26E-08	9.76E-05	2.25E-05	1.39E-03
2168	494611.06	3859751.99	2.87E-03	3.88E-08	9.60E-05	2.25E-05	2.99E-03	1.35E-03	1.60E-02	7.20E-03	8.23E-04	2.53E-02	1.29E-03	3.18E-08	9.60E-05	2.25E-05	1.40E-03
2169	494661.06	3859751.99	2.88E-03	3.67E-08	1.02E-04	2.29E-05	3.00E-03	1.36E-03	1.51E-02	7.63E-03	8.40E-04	2.49E-02	1.29E-03	3.01E-08	1.02E-04	2.29E-05	1.41E-03
2170	494711.06	3859751.99	2.81E-03	3.70E-08	1.04E-04	2.26E-05	2.94E-03	1.33E-03	1.53E-02	7.77E-03	8.28E-04	2.52E-02	1.26E-03	3.04E-08	1.04E-04	2.26E-05	1.39E-03
2171	494761.06	3859751.99	2.80E-03	3.67E-08	1.08E-04	2.24E-05	2.93E-03	1.32E-03	1.51E-02	8.09E-03	8.22E-04	2.54E-02	1.25E-03	3.01E-08	1.08E-04	2.24E-05	1.39E-03
2172	494811.06	3859751.99	2.78E-03	3.59E-08	1.17E-04	2.25E-05	2.92E-03	1.31E-03	1.48E-02	8.81E-03	8.24E-04	2.58E-02	1.25E-03	2.95E-08	1.17E-04	2.25E-05	1.39E-03
2173	494861.06	3859751.99	2.76E-03	3.55E-08	1.20E-04	2.24E-05	2.91E-03	1.30E-03	1.46E-02	9.03E-03	8.21E-04	2.58E-02	1.24E-03	2.91E-08	1.20E-04	2.24E-05	1.38E-03
2174	494911.06	3859751.99	2.74E-03	3.50E-08	1.20E-04	2.23E-05	2.88E-03	1.29E-03	1.44E-02	8.97E-03	8.18E-04	2.55E-02	1.23E-03	2.87E-08	1.20E-04	2.23E-05	1.37E-03
2175	494961.06	3859751.99	2.71E-03	3.45E-08	1.18E-04	2.23E-05	2.86E-03	1.28E-03	1.42E-02	8.88E-03	8.16E-04	2.52E-02	1.22E-03	2.83E-08	1.18E-04	2.23E-05	1.36E-03
2176	495011.06	3859751.99	2.69E-03	3.40E-08	1.17E-04	2.24E-05	2.83E-03	1.27E-03	1.40E-02	8.75E-03	8.21E-04	2.48E-02	1.20E-03	2.79E-08	1.17E-04	2.24E-05	1.34E-03
2177	495061.06	3859751.99	2.66E-03	3.36E-08	1.12E-04	2.25E-05	2.79E-03	1.25E-03	1.39E-02	8.41E-03	8.24E-04	2.44E-02	1.19E-03	2.76E-08	1.12E-04	2.25E-05	1.33E-03
2178	495111.06	3859751.99	2.66E-03	3.31E-08	1.09E-04	2.28E-05	2.80E-03	1.26E-03	1.36E-02	8.15E-03	8.38E-04	2.39E-02	1.19E-03	2.72E-08	1.09E-04	2.28E-05	1.33E-03
2179	495161.06	3859751.99	2.60E-03	3.25E-08	1.06E-04	2.29E-05	2.73E-03	1.23E-03	1.34E-02	7.92E-03	8.38E-04	2.34E-02	1.17E-03	2.67E-08	1.06E-04	2.29E-05	1.30E-03
2180	495211.06	3859751.99	2.54E-03	3.19E-08	1.07E-04	2.28E-05	2.67E-03	1.20E-03	1.31E-02	8.03E-03	8.36E-04	2.32E-02	1.14E-03	2.62E-08	1.07E-04	2.28E-05	1.27E-03
2181	495261.06	3859751.99	2.50E-03	3.16E-08	1.07E-04	2.27E-05	2.63E-03	1.18E-03	1.30E-02	8.01E-03	8.34E-04	2.30E-02	1.12E-03	2.59E-08	1.07E-04	2.27E-05	1.25E-03
2182	495311.06	3859751.99	2.46E-03	3.10E-08	1.09E-04	2.27E-05	2.59E-03	1.16E-03	1.28E-02	8.19E-03	8.32E-04	2.30E-02	1.10E-03	2.55E-08	1.09E-04	2.27E-05	1.23E-03
2183	495361.06	3859751.99	2.41E-03	3.05E-08	1.08E-04	2.26E-05	2.54E-03	1.14E-03	1.26E-02	8.10E-03	8.29E-04	2.26E-02	1.08E-03	2.51E-08	1.08E-04	2.26E-05	1.21E-03
2184	495411.06	3859751.99	2.38E-03	3.01E-08	1.06E-04	2.26E-05	2.51E-03	1.12E-03	1.24E-02	7.93E-03	8.27E-04	2.23E-02	1.07E-03	2.47E-08	1.06E-04	2.26E-05	1.19E-03
2185	495461.06	3859751.99	2.37E-03	2.95E-08	1.07E-04	2.25E-05	2.50E-03	1.12E-03	1.21E-02	8.00E-03	8.26E-04	2.21E-02	1.06E-03	2.42E-08	1.07E-04	2.25E-05	1.19E-03
2186	495511.06	3859751.99	2.37E-03	2.88E-08	1.07E-04	2.27E-05	2.50E-03	1.12E-03	1.19E-02	8.04E-03	8.32E-04	2.19E-02	1.06E-03	2.36E-08	1.07E-04	2.27E-05	1.19E-03
2187	495561.06	3859751.99	2.37E-03	2.84E-08	1.05E-04	2.28E-05	2.50E-03	1.12E-03	1.17E-02	7.85E-03	8.35E-04	2.15E-02	1.06E-03	2.33E-08	1.05E-04	2.28E-05	1.19E-03
2188	495611.06	3859751.99	2.37E-03	2.79E-08	1.02E-04	2.29E-05	2.50E-03	1.12E-03	1.15E-02	7.64E-03	8.39E-04	2.11E-02	1.07E-03	2.29E-08	1.02E-04	2.29E-05	1.19E-03
2189	495661.06	3859751.99	2.38E-03	2.76E-08	9.92E-05	2.29E-05	2.50E-03	1.12E-03	1.14E-02	7.44E-03	8.40E-04	2.08E-02	1.07E-03	2.27E-08	9.92E-05	2.29E-05	1.19E-03
2190	494311.06	3859801.99	2.98E-03	4.38E-08	9.34E-05	2.28E-05	3.10E-03	1.41E-03	1.80E-02	7.01E-03	8.34E-04	2.73E-02	1.34E-03	3.59E-08	9.34E-05	2.28E-05	1.45E-03
2191	494361.06	3859801.99	2.93E-03	4.26E-08	9.67E-05	2.30E-05	3.05E-03	1.38E-03	1.76E-02	7.26E-03	8.45E-04	2.70E-02	1.31E-03	3.50E-08	9.67E-05	2.30E-05	1.43E-03
2192	494411.06	3859801.99	2.89E-03	4.12E-08	9.49E-05	2.34E-05	3.01E-03	1.36E-03	1.70E-02	7.12E-03	8.57E-04	2.63E-02	1.30E-03	3.38E-08	9.49E-05	2.34E-05	1.41E-03

2193	494461.06	3859801.99	2.86E-03	4.19E-08	9.33E-05	2.27E-05	2.98E-03	1.35E-03	1.73E-02	7.00E-03	8.31E-04	2.64E-02	1.28E-03	3.44E-08	9.33E-05	2.27E-05	1.40E-03
2194	494511.06	3859801.99	2.83E-03	4.25E-08	9.16E-05	2.24E-05	2.94E-03	1.33E-03	1.75E-02	6.87E-03	8.21E-04	2.65E-02	1.27E-03	3.48E-08	9.16E-05	2.24E-05	1.38E-03
2195	494561.06	3859801.99	2.81E-03	4.21E-08	8.98E-05	2.23E-05	2.92E-03	1.33E-03	1.73E-02	6.74E-03	8.19E-04	2.62E-02	1.26E-03	3.45E-08	8.98E-05	2.23E-05	1.37E-03
2196	494611.06	3859801.99	2.81E-03	4.02E-08	9.42E-05	2.29E-05	2.93E-03	1.33E-03	1.65E-02	7.06E-03	8.38E-04	2.58E-02	1.26E-03	3.30E-08	9.42E-05	2.29E-05	1.38E-03
2197	494661.06	3859801.99	2.79E-03	3.93E-08	9.82E-05	2.28E-05	2.91E-03	1.32E-03	1.62E-02	7.36E-03	8.36E-04	2.57E-02	1.25E-03	3.23E-08	9.82E-05	2.28E-05	1.37E-03
2198	494711.06	3859801.99	2.81E-03	3.83E-08	9.68E-05	2.28E-05	2.93E-03	1.33E-03	1.58E-02	7.26E-03	8.35E-04	2.52E-02	1.26E-03	3.14E-08	9.68E-05	2.28E-05	1.38E-03
2199	494761.06	3859801.99	2.83E-03	3.85E-08	9.52E-05	2.26E-05	2.95E-03	1.34E-03	1.58E-02	7.14E-03	8.29E-04	2.51E-02	1.27E-03	3.16E-08	9.52E-05	2.26E-05	1.39E-03
2200	494811.06	3859801.99	2.79E-03	3.77E-08	9.36E-05	2.25E-05	2.90E-03	1.31E-03	1.55E-02	7.02E-03	8.27E-04	2.47E-02	1.25E-03	3.09E-08	9.36E-05	2.25E-05	1.37E-03
2201	494861.06	3859801.99	2.76E-03	3.72E-08	9.19E-05	2.25E-05	2.88E-03	1.30E-03	1.53E-02	6.90E-03	8.23E-04	2.43E-02	1.24E-03	3.05E-08	9.19E-05	2.25E-05	1.35E-03
2202	494911.06	3859801.99	2.75E-03	3.66E-08	9.63E-05	2.24E-05	2.87E-03	1.30E-03	1.51E-02	7.22E-03	8.21E-04	2.44E-02	1.23E-03	3.00E-08	9.63E-05	2.24E-05	1.35E-03
2203	494961.06	3859801.99	2.74E-03	3.64E-08	1.02E-04	2.23E-05	2.86E-03	1.29E-03	1.50E-02	7.64E-03	8.18E-04	2.47E-02	1.23E-03	2.99E-08	1.02E-04	2.23E-05	1.35E-03
2204	495011.06	3859801.99	2.72E-03	3.59E-08	1.08E-04	2.22E-05	2.85E-03	1.28E-03	1.48E-02	8.12E-03	8.15E-04	2.50E-02	1.22E-03	2.95E-08	1.08E-04	2.22E-05	1.35E-03
2205	495061.06	3859801.99	2.69E-03	3.56E-08	1.10E-04	2.21E-05	2.83E-03	1.27E-03	1.47E-02	8.22E-03	8.12E-04	2.50E-02	1.21E-03	2.92E-08	1.10E-04	2.21E-05	1.34E-03
2206	495111.06	3859801.99	2.67E-03	3.48E-08	1.12E-04	2.21E-05	2.80E-03	1.26E-03	1.43E-02	8.37E-03	8.09E-04	2.48E-02	1.20E-03	2.85E-08	1.12E-04	2.21E-05	1.33E-03
2207	495161.06	3859801.99	2.64E-03	3.41E-08	1.13E-04	2.20E-05	2.78E-03	1.25E-03	1.40E-02	8.44E-03	8.06E-04	2.45E-02	1.18E-03	2.80E-08	1.13E-04	2.20E-05	1.32E-03
2208	495211.06	3859801.99	2.61E-03	3.37E-08	1.10E-04	2.19E-05	2.74E-03	1.23E-03	1.39E-02	8.27E-03	8.03E-04	2.42E-02	1.17E-03	2.77E-08	1.10E-04	2.19E-05	1.30E-03
2209	495261.06	3859801.99	2.60E-03	3.30E-08	1.09E-04	2.24E-05	2.73E-03	1.23E-03	1.36E-02	8.21E-03	8.20E-04	2.38E-02	1.17E-03	2.71E-08	1.09E-04	2.24E-05	1.30E-03
2210	495311.06	3859801.99	2.54E-03	3.27E-08	1.05E-04	2.24E-05	2.67E-03	1.20E-03	1.35E-02	7.89E-03	8.20E-04	2.34E-02	1.14E-03	2.68E-08	1.05E-04	2.24E-05	1.27E-03
2211	495361.06	3859801.99	2.50E-03	3.21E-08	1.02E-04	2.28E-05	2.62E-03	1.18E-03	1.32E-02	7.65E-03	8.37E-04	2.29E-02	1.12E-03	2.64E-08	1.02E-04	2.28E-05	1.25E-03
2212	495411.06	3859801.99	2.46E-03	3.14E-08	1.04E-04	2.28E-05	2.58E-03	1.16E-03	1.29E-02	7.80E-03	8.34E-04	2.27E-02	1.10E-03	2.58E-08	1.04E-04	2.28E-05	1.23E-03
2213	495461.06	3859801.99	2.41E-03	3.09E-08	1.04E-04	2.27E-05	2.54E-03	1.14E-03	1.27E-02	7.83E-03	8.32E-04	2.25E-02	1.08E-03	2.54E-08	1.04E-04	2.27E-05	1.21E-03
2214	495511.06	3859801.99	2.36E-03	3.00E-08	1.07E-04	2.26E-05	2.49E-03	1.12E-03	1.23E-02	8.04E-03	8.29E-04	2.23E-02	1.06E-03	2.46E-08	1.07E-04	2.26E-05	1.19E-03
2215	495561.06	3859801.99	2.35E-03	2.97E-08	1.08E-04	2.26E-05	2.48E-03	1.11E-03	1.22E-02	8.07E-03	8.27E-04	2.22E-02	1.05E-03	2.44E-08	1.08E-04	2.26E-05	1.18E-03
2216	495611.06	3859801.99	2.35E-03	2.98E-08	1.02E-04	2.25E-05	2.47E-03	1.11E-03	1.23E-02	7.63E-03	8.25E-04	2.19E-02	1.05E-03	2.45E-08	1.02E-04	2.25E-05	1.18E-03
2217	495661.06	3859801.99	2.35E-03	2.93E-08	1.02E-04	2.24E-05	2.47E-03	1.11E-03	1.21E-02	7.68E-03	8.23E-04	2.17E-02	1.05E-03	2.40E-08	1.02E-04	2.24E-05	1.18E-03
2218	494311.06	3859851.99	3.09E-03	4.57E-08	7.90E-05	2.23E-05	3.19E-03	1.46E-03	1.88E-02	5.92E-03	8.17E-04	2.70E-02	1.39E-03	3.75E-08	7.90E-05	2.23E-05	1.49E-03
2219	494361.06	3859851.99	3.05E-03	4.48E-08	8.40E-05	2.24E-05	3.16E-03	1.44E-03	1.85E-02	6.30E-03	8.21E-04	2.70E-02	1.37E-03	3.68E-08	8.40E-05	2.24E-05	1.48E-03
2220	494411.06	3859851.99	2.96E-03	4.37E-08	9.09E-05	2.27E-05	3.07E-03	1.39E-03	1.80E-02	6.82E-03	8.31E-04	2.70E-02	1.33E-03	3.58E-08	9.09E-05	2.27E-05	1.44E-03
2221	494461.06	3859851.99	2.90E-03	4.30E-08	9.41E-05	2.26E-05	3.01E-03	1.37E-03	1.77E-02	7.06E-03	8.30E-04	2.70E-02	1.30E-03	3.53E-08	9.41E-05	2.26E-05	1.42E-03
2222	494511.06	3859851.99	2.83E-03	4.30E-08	8.93E-05	2.21E-05	2.94E-03	1.33E-03	1.77E-02	6.70E-03	8.09E-04	2.66E-02	1.27E-03	3.53E-08	8.93E-05	2.21E-05	1.38E-03
2223	494561.06	3859851.99	2.78E-03	4.31E-08	8.28E-05	2.20E-05	2.88E-03	1.31E-03	1.77E-02	6.21E-03	8.06E-04	2.61E-02	1.25E-03	3.53E-08	8.28E-05	2.20E-05	1.35E-03
2224	494611.06	3859851.99	2.80E-03	4.14E-08	9.25E-05	2.21E-05	2.92E-03	1.32E-03	1.71E-02	6.94E-03	8.11E-04	2.61E-02	1.26E-03	3.40E-08	9.25E-05	2.21E-05	1.37E-03
2225	494661.06	3859851.99	2.78E-03	4.12E-08	9.09E-05	2.19E-05	2.89E-03	1.31E-03	1.70E-02	6.82E-03	8.03E-04	2.59E-02	1.25E-03	3.38E-08	9.09E-05	2.19E-05	1.36E-03
2226	494711.06	3859851.99	2.77E-03	4.00E-08	8.91E-05	2.28E-05	2.89E-03	1.31E-03	1.65E-02	6.68E-03	8.37E-04	2.53E-02	1.24E-03	3.28E-08	8.91E-05	2.28E-05	1.36E-03
2227	494761.06	3859851.99	2.73E-03	4.05E-08	8.74E-05	2.18E-05	2.84E-03	1.29E-03	1.67E-02	6.56E-03	7.99E-04	2.53E-02	1.23E-03	3.32E-08	8.74E-05	2.18E-05	1.34E-03
2228	494811.06	3859851.99	2.74E-03	3.98E-08	9.15E-05	2.22E-05	2.85E-03	1.29E-03	1.64E-02	6.86E-03	8.14E-04	2.54E-02	1.23E-03	3.27E-08	9.15E-05	2.22E-05	1.34E-03
2229	494861.06	3859851.99	2.77E-03	3.95E-08	9.41E-05	2.20E-05	2.88E-03	1.30E-03	1.63E-02	7.06E-03	8.08E-04	2.55E-02	1.24E-03	3.24E-08	9.41E-05	2.20E-05	1.36E-03
2230	494911.06	3859851.99	2.76E-03	3.85E-08	9.44E-05	2.28E-05	2.88E-03	1.30E-03	1.59E-02	7.08E-03	8.35E-04	2.51E-02	1.24E-03	3.16E-08	9.44E-05	2.28E-05	1.36E-03
2231	494961.06	3859851.99	2.73E-03	3.80E-08	9.29E-05	2.27E-05	2.84E-03	1.29E-03	1.56E-02	6.97E-03	8.32E-04	2.47E-02	1.22E-03	3.12E-08	9.29E-05	2.27E-05	1.34E-03
2232	495011.06	3859851.99	2.72E-03	3.75E-08	9.14E-05	2.26E-05	2.83E-03	1.28E-03	1.55E-02	6.85E-03	8.30E-04	2.44E-02	1.22E-03	3.08E-08	9.14E-05	2.26E-05	1.33E-03
2233	495061.06	3859851.99	2.70E-03	3.73E-08	8.97E-05	2.25E-05	2.81E-03	1.27E-03	1.53E-02	6.73E-03	8.26E-04	2.42E-02	1.21E-03	3.06E-08	8.97E-05	2.25E-05	1.32E-03
2234	495111.06	3859851.99	2.69E-03	3.64E-08	8.87E-05	2.25E-05	2.80E-03	1.27E-03	1.50E-02	6.65E-03	8.25E-04	2.37E-02	1.21E-03	2.99E-08	8.87E-05	2.25E-05	1.32E-03
2235	495161.06	3859851.99	2.67E-03	3.60E-08	9.49E-05	2.24E-05	2.79E-03	1.26E-03	1.48E-02	7.12E-03	8.22E-04	2.40E-02	1.20E-03	2.95E-08	9.49E-05	2.24E-05	1.32E-03
2236	495211.06	3859851.99	2.65E-03	3.57E-08	1.01E-04	2.24E-05	2.77E-03	1.25E-03	1.47E-02	7.56E-03	8.20E-04	2.43E-02	1.19E-03	2.93E-08	1.01E-04	2.24E-05	1.31E-03
2237	495261.06	3859851.99	2.62E-03	3.53E-08	1.04E-04	2.23E-05	2.75E-03	1.24E-03	1.45E-02	7.82E-03	8.17E-04	2.44E-02	1.18E-03	2.90E-08	1.04E-04	2.23E-05	1.30E-03
2238	495311.06	3859851.99	2.59E-03	3.49E-08	1.03E-04	2.22E-05	2.72E-03	1.22E-03	1.44E-02	7.71E-03	8.14E-04	2.41E-02	1.16E-03	2.86E-08	1.03E-04	2.22E-05	1.29E-03
2239	495361.06	3859851.99	2.56E-03	3.44E-08	1.02E-04	2.21E-05	2.69E-03	1.21E-03	1.42E-02	7.67E-03	8.10E-04	2.38E-02	1.15E-03	2.82E-08	1.02E-04	2.21E-05	1.27E-03
2240	495411.06	3859851.99	2.54E-03	3.35E-08	1.04E-04	2.20E-05	2.66E-03	1.20E-03	1.38E-02	7.81E-03	8.08E-04	2.36E-02	1.14E-03	2.75E-08	1.04E-04	2.20E-05	1.26E-03
2241	495461.06	3859851.99	2.49E-03	3.28E-08	1.05E-04	2.20E-05	2.62E-03	1.18E-03	1.35E-02	7.90E-03	8.05E-04	2.34E-02	1.12E-03	2.69E-08	1.05E-04	2.20E-05	1.24E-03
2242	495511.06	3859851.99	2.45E-03	3.19E-08	1.04E-04	2.25E-05	2.58E-03	1.16E-03	1.31E-02	7.77E-03	8.24E-04	2.29E-02	1.10E-03	2.61E-08	1.04E-04	2.25E-05	1.23E-03
2243	495561.06	3859851.99	2.41E-03	3.17E-08	9.95E-05	2.27E-05	2.53E-03	1.14E-03	1.31E-02	7.46E-03	8.33E-04	2.25E-02	1.08E-03	2.60E-08	9.95E-05	2.27E-05	1.20E-03
2244	495611.06	3859851.99	2.37E-03	3.15E-08	1.00E-04	2.27E-05	2.49E-03	1.12E-03	1.30E-02	7.53E-03	8.31E-04	2.25E-02	1.06E-03	2.59E-08	1.00E-04	2.27E-05	1.18E-03
2245	495661.06	3859851.99	2.32E-03	3.07E-08	1.02E-04	2.26E-05	2.45E-03	1.10E-03	1.27E-02	7.64E-03	8.28E-04	2.22E-02	1.04E-03	2.52E-08	1.02E-04	2.26E-05	1.17E-03
2246	494311.06	3859901.99	3.08E-03	4.71E-08	8.16E-05	2.17E-05	3.19E-03	1.45E-03	1.94E-02	6.12E-03	7.95E-04	2.78E-02	1.38E-03	3.86E-08	8.16E-05	2.17E-05	1.49E-03
2247	494361.06	3859901.99	3.07E-03	4.55E-08	7.87E-05	2.24E-05	3.17E-03	1.45E-03	1.87E-02	5.90E-03	8.20E-04	2.69E-02	1.38E-03	3.73E-08	7.87E-05	2.24E-05	1.48E-03
2248	494411.06	3859901.99	3.03E-03	4.53E-08	7.59E-05	2.20E-05	3.12E-03	1.43E-03	1.87E-02	5.69E-03	8.05E-04	2.66E-02	1.36E-03	3.72E-08	7.59E-05	2.20E-05	1.46E-03
2249	494461.06	3859901.99	3.03E-03	4.47E-08	7.76E-05	2.20E-05	3.12E-03	1.43E-03	1.84E-02	5.82E-03	8.05E-04	2.64E-02	1.36E-03	3.66E-08	7.76E-05	2.20E-05	1.46E-03
2250	494511.06	3859901.99	2.92E-03	4.43E-08	7.72E-05	2.19E-05	3.02E-03	1.38E-03	1.82E-02	5.79E-03	8.02E-04	2.62E-02	1.31E-03	3.63E-08	7.72E-05	2.19E-05	1.41E-03
2251	494561.06	3859901.99	2.83E-03	4.46E-08	6.95E-05	2.14E-05	2.92E-03	1.33E-03	1.84E-02	5.21E-03	7.84E-04	2.57E-02	1.27E-03	3.66E-08	6.95E-05	2.14E-05	1.36E-03
2252	494611.06	3859901.99	2.80E-03	4.29E-08	8.24E-05	2.17E-05	2.90E-03	1.32E-03	1.77E-02	6.18E-03	7.95E-04	2.60E-02	1.25E-03	3.52E-08	8.24E-05	2.17E-05	1.36E-03
2253	494661.06	3859901.99	2.73E-03	4.31E-08	7.55E-05	2.16E-05	2.83E-03	1.29E-03	1.77E-02	5.66E-03	7.92E-04	2.55E-02	1.23E-03	3.53E-08	7.55E-05	2.16E-05	1.32E-03

2254	494711.06	3859901.99	2.75E-03	4.14E-08	8.92E-05	2.16E-05	2.86E-03	1.30E-03	1.71E-02	6.69E-03	7.93E-04	2.58E-02	1.23E-03	3.40E-08	8.92E-05	2.16E-05	1.35E-03
2255	494761.06	3859901.99	2.72E-03	4.13E-08	8.49E-05	2.13E-05	2.83E-03	1.28E-03	1.70E-02	6.37E-03	7.82E-04	2.55E-02	1.22E-03	3.39E-08	8.49E-05	2.13E-05	1.33E-03
2256	494811.06	3859901.99	2.69E-03	4.13E-08	8.05E-05	2.12E-05	2.79E-03	1.27E-03	1.70E-02	6.04E-03	7.79E-04	2.51E-02	1.21E-03	3.39E-08	8.05E-05	2.12E-05	1.31E-03
2257	494861.06	3859901.99	2.67E-03	4.12E-08	7.97E-05	2.12E-05	2.77E-03	1.26E-03	1.70E-02	5.98E-03	7.77E-04	2.50E-02	1.20E-03	3.38E-08	7.97E-05	2.12E-05	1.30E-03
2258	494911.06	3859901.99	2.67E-03	4.03E-08	8.39E-05	2.12E-05	2.77E-03	1.26E-03	1.66E-02	6.30E-03	7.76E-04	2.49E-02	1.20E-03	3.31E-08	8.39E-05	2.12E-05	1.30E-03
2259	494961.06	3859901.99	2.69E-03	4.01E-08	8.45E-05	2.11E-05	2.80E-03	1.27E-03	1.65E-02	6.34E-03	7.74E-04	2.49E-02	1.21E-03	3.29E-08	8.45E-05	2.11E-05	1.31E-03
2260	495011.06	3859901.99	2.72E-03	3.94E-08	8.66E-05	2.12E-05	2.83E-03	1.28E-03	1.62E-02	6.49E-03	7.79E-04	2.48E-02	1.22E-03	3.24E-08	8.66E-05	2.12E-05	1.33E-03
2261	495061.06	3859901.99	2.68E-03	3.89E-08	8.81E-05	2.17E-05	2.79E-03	1.26E-03	1.60E-02	6.60E-03	7.95E-04	2.47E-02	1.20E-03	3.19E-08	8.81E-05	2.17E-05	1.31E-03
2262	495111.06	3859901.99	2.68E-03	3.80E-08	9.22E-05	2.26E-05	2.79E-03	1.26E-03	1.57E-02	6.91E-03	8.30E-04	2.47E-02	1.20E-03	3.12E-08	9.22E-05	2.26E-05	1.32E-03
2263	495161.06	3859901.99	2.66E-03	3.72E-08	9.07E-05	2.28E-05	2.78E-03	1.26E-03	1.53E-02	6.80E-03	8.37E-04	2.42E-02	1.19E-03	3.06E-08	9.07E-05	2.28E-05	1.31E-03
2264	495211.06	3859901.99	2.66E-03	3.71E-08	8.92E-05	2.27E-05	2.77E-03	1.25E-03	1.53E-02	6.69E-03	8.34E-04	2.41E-02	1.19E-03	3.05E-08	8.92E-05	2.27E-05	1.30E-03
2265	495261.06	3859901.99	2.65E-03	3.61E-08	8.76E-05	2.27E-05	2.76E-03	1.25E-03	1.49E-02	6.57E-03	8.33E-04	2.35E-02	1.19E-03	2.96E-08	8.76E-05	2.27E-05	1.30E-03
2266	495311.06	3859901.99	2.62E-03	3.60E-08	8.60E-05	2.26E-05	2.73E-03	1.24E-03	1.48E-02	6.45E-03	8.29E-04	2.34E-02	1.18E-03	2.96E-08	8.60E-05	2.26E-05	1.28E-03
2267	495361.06	3859901.99	2.60E-03	3.54E-08	9.06E-05	2.26E-05	2.71E-03	1.23E-03	1.46E-02	6.80E-03	8.27E-04	2.35E-02	1.17E-03	2.91E-08	9.06E-05	2.26E-05	1.28E-03
2268	495411.06	3859901.99	2.58E-03	3.47E-08	9.87E-05	2.25E-05	2.70E-03	1.22E-03	1.43E-02	7.40E-03	8.25E-04	2.37E-02	1.16E-03	2.85E-08	9.87E-05	2.25E-05	1.28E-03
2269	495461.06	3859901.99	2.55E-03	3.44E-08	1.02E-04	2.24E-05	2.67E-03	1.20E-03	1.42E-02	7.68E-03	8.23E-04	2.39E-02	1.14E-03	2.82E-08	1.02E-04	2.24E-05	1.27E-03
2270	495511.06	3859901.99	2.52E-03	3.41E-08	1.01E-04	2.23E-05	2.64E-03	1.19E-03	1.40E-02	7.54E-03	8.19E-04	2.36E-02	1.13E-03	2.80E-08	1.01E-04	2.23E-05	1.25E-03
2271	495561.06	3859901.99	2.48E-03	3.37E-08	9.86E-05	2.22E-05	2.60E-03	1.17E-03	1.39E-02	7.40E-03	8.16E-04	2.33E-02	1.11E-03	2.77E-08	9.86E-05	2.22E-05	1.23E-03
2272	495611.06	3859901.99	2.44E-03	3.30E-08	1.00E-04	2.22E-05	2.57E-03	1.15E-03	1.36E-02	7.52E-03	8.13E-04	2.31E-02	1.10E-03	2.70E-08	1.00E-04	2.22E-05	1.22E-03
2273	495661.06	3859901.99	2.41E-03	3.22E-08	1.03E-04	2.21E-05	2.53E-03	1.13E-03	1.33E-02	7.69E-03	8.11E-04	2.29E-02	1.08E-03	2.64E-08	1.03E-04	2.21E-05	1.20E-03
2274	494311.06	3859951.99	2.95E-03	4.86E-08	8.90E-05	2.08E-05	3.06E-03	1.39E-03	2.00E-02	6.67E-03	7.62E-04	2.88E-02	1.32E-03	3.99E-08	8.90E-05	2.08E-05	1.43E-03
2275	494361.06	3859951.99	2.92E-03	4.76E-08	8.63E-05	2.09E-05	3.03E-03	1.38E-03	1.96E-02	6.47E-03	7.67E-04	2.82E-02	1.31E-03	3.91E-08	8.63E-05	2.09E-05	1.42E-03
2276	494411.06	3859951.99	3.03E-03	4.68E-08	8.36E-05	2.12E-05	3.14E-03	1.43E-03	1.93E-02	6.27E-03	7.76E-04	2.78E-02	1.36E-03	3.84E-08	8.36E-05	2.12E-05	1.47E-03
2277	494461.06	3859951.99	3.00E-03	4.61E-08	8.09E-05	2.11E-05	3.10E-03	1.41E-03	1.90E-02	6.07E-03	7.74E-04	2.73E-02	1.34E-03	3.79E-08	8.09E-05	2.11E-05	1.45E-03
2278	494511.06	3859951.99	2.95E-03	4.58E-08	7.83E-05	2.08E-05	3.05E-03	1.39E-03	1.89E-02	5.87E-03	7.63E-04	2.69E-02	1.32E-03	3.76E-08	7.83E-05	2.08E-05	1.42E-03
2279	494561.06	3859951.99	2.85E-03	4.64E-08	7.58E-05	1.96E-05	2.94E-03	1.34E-03	1.91E-02	5.69E-03	7.18E-04	2.68E-02	1.28E-03	3.80E-08	7.58E-05	1.96E-05	1.37E-03
2280	494611.06	3859951.99	2.88E-03	4.49E-08	7.28E-05	2.07E-05	2.98E-03	1.36E-03	1.85E-02	5.46E-03	7.61E-04	2.61E-02	1.29E-03	3.68E-08	7.28E-05	2.07E-05	1.39E-03
2281	494661.06	3859951.99	2.73E-03	4.49E-08	7.03E-05	2.02E-05	2.82E-03	1.29E-03	1.85E-02	5.27E-03	7.39E-04	2.58E-02	1.23E-03	3.69E-08	7.03E-05	2.02E-05	1.32E-03
2282	494711.06	3859951.99	2.75E-03	4.36E-08	6.88E-05	2.09E-05	2.84E-03	1.30E-03	1.80E-02	5.16E-03	7.68E-04	2.52E-02	1.23E-03	3.58E-08	6.88E-05	2.09E-05	1.32E-03
2283	494761.06	3859951.99	2.69E-03	4.32E-08	6.93E-05	2.07E-05	2.78E-03	1.27E-03	1.78E-02	5.20E-03	7.58E-04	2.50E-02	1.21E-03	3.55E-08	6.93E-05	2.07E-05	1.30E-03
2284	494811.06	3859951.99	2.65E-03	4.28E-08	7.04E-05	2.07E-05	2.74E-03	1.25E-03	1.76E-02	5.28E-03	7.60E-04	2.49E-02	1.19E-03	3.51E-08	7.04E-05	2.07E-05	1.28E-03
2285	494861.06	3859951.99	2.61E-03	4.28E-08	6.84E-05	2.06E-05	2.70E-03	1.23E-03	1.76E-02	5.13E-03	7.54E-04	2.47E-02	1.17E-03	3.51E-08	6.84E-05	2.06E-05	1.26E-03
2286	494911.06	3859951.99	2.62E-03	4.19E-08	7.24E-05	2.09E-05	2.71E-03	1.23E-03	1.73E-02	5.43E-03	7.67E-04	2.47E-02	1.17E-03	3.44E-08	7.24E-05	2.09E-05	1.27E-03
2287	494961.06	3859951.99	2.61E-03	4.12E-08	7.37E-05	2.08E-05	2.71E-03	1.23E-03	1.70E-02	5.53E-03	7.62E-04	2.45E-02	1.17E-03	3.38E-08	7.37E-05	2.08E-05	1.27E-03
2288	495011.06	3859951.99	2.61E-03	4.06E-08	7.62E-05	2.06E-05	2.71E-03	1.23E-03	1.67E-02	5.72E-03	7.56E-04	2.44E-02	1.17E-03	3.33E-08	7.62E-05	2.06E-05	1.27E-03
2289	495061.06	3859951.99	2.63E-03	4.03E-08	7.70E-05	2.05E-05	2.72E-03	1.24E-03	1.66E-02	5.77E-03	7.51E-04	2.44E-02	1.18E-03	3.30E-08	7.70E-05	2.05E-05	1.28E-03
2290	495111.06	3859951.99	2.66E-03	3.94E-08	8.14E-05	2.06E-05	2.76E-03	1.26E-03	1.62E-02	6.10E-03	7.57E-04	2.44E-02	1.19E-03	3.24E-08	8.14E-05	2.06E-05	1.30E-03
2291	495161.06	3859951.99	2.66E-03	3.86E-08	8.51E-05	2.15E-05	2.76E-03	1.25E-03	1.59E-02	6.38E-03	7.89E-04	2.43E-02	1.19E-03	3.17E-08	8.51E-05	2.15E-05	1.30E-03
2292	495211.06	3859951.99	2.64E-03	3.79E-08	8.90E-05	2.24E-05	2.75E-03	1.25E-03	1.56E-02	6.67E-03	8.20E-04	2.43E-02	1.19E-03	3.11E-08	8.90E-05	2.24E-05	1.30E-03
2293	495261.06	3859951.99	2.63E-03	3.72E-08	9.05E-05	2.28E-05	2.75E-03	1.24E-03	1.53E-02	6.78E-03	8.36E-04	2.42E-02	1.18E-03	3.05E-08	9.05E-05	2.28E-05	1.29E-03
2294	495311.06	3859951.99	2.62E-03	3.72E-08	8.79E-05	2.25E-05	2.73E-03	1.24E-03	1.53E-02	6.59E-03	8.27E-04	2.40E-02	1.17E-03	3.05E-08	8.79E-05	2.25E-05	1.28E-03
2295	495361.06	3859951.99	2.61E-03	3.70E-08	8.82E-05	2.28E-05	2.72E-03	1.23E-03	1.52E-02	6.61E-03	8.37E-04	2.39E-02	1.17E-03	3.04E-08	8.82E-05	2.28E-05	1.28E-03
2296	495411.06	3859951.99	2.59E-03	3.63E-08	8.71E-05	2.28E-05	2.70E-03	1.22E-03	1.50E-02	6.53E-03	8.35E-04	2.36E-02	1.16E-03	2.98E-08	8.71E-05	2.28E-05	1.27E-03
2297	495461.06	3859951.99	2.58E-03	3.57E-08	8.56E-05	2.27E-05	2.69E-03	1.22E-03	1.47E-02	6.42E-03	8.32E-04	2.32E-02	1.16E-03	2.93E-08	8.56E-05	2.27E-05	1.26E-03
2298	495511.06	3859951.99	2.55E-03	3.51E-08	8.39E-05	2.26E-05	2.66E-03	1.20E-03	1.45E-02	6.30E-03	8.30E-04	2.28E-02	1.15E-03	2.88E-08	8.39E-05	2.26E-05	1.25E-03
2299	495561.06	3859951.99	2.52E-03	3.53E-08	8.48E-05	2.25E-05	2.63E-03	1.19E-03	1.45E-02	6.36E-03	8.27E-04	2.29E-02	1.13E-03	2.89E-08	8.48E-05	2.25E-05	1.24E-03
2300	495611.06	3859951.99	2.50E-03	3.46E-08	9.19E-05	2.25E-05	2.61E-03	1.18E-03	1.42E-02	6.89E-03	8.24E-04	2.31E-02	1.12E-03	2.84E-08	9.19E-05	2.25E-05	1.23E-03
2301	495661.06	3859951.99	2.47E-03	3.37E-08	9.79E-05	2.24E-05	2.59E-03	1.16E-03	1.39E-02	7.34E-03	8.22E-04	2.32E-02	1.11E-03	2.76E-08	9.79E-05	2.24E-05	1.23E-03
2302	494311.06	3860001.99	2.92E-03	4.95E-08	8.48E-05	1.98E-05	3.03E-03	1.38E-03	2.04E-02	6.36E-03	7.25E-04	2.89E-02	1.31E-03	4.07E-08	8.48E-05	1.98E-05	1.42E-03
2303	494361.06	3860001.99	2.94E-03	4.91E-08	8.85E-05	1.98E-05	3.04E-03	1.38E-03	2.02E-02	6.64E-03	7.25E-04	2.90E-02	1.32E-03	4.03E-08	8.85E-05	1.98E-05	1.42E-03
2304	494411.06	3860001.99	2.92E-03	4.79E-08	9.04E-05	2.01E-05	3.03E-03	1.38E-03	1.97E-02	6.78E-03	7.36E-04	2.86E-02	1.31E-03	3.93E-08	9.04E-05	2.01E-05	1.42E-03
2305	494461.06	3860001.99	2.86E-03	4.78E-08	8.80E-05	2.00E-05	2.96E-03	1.35E-03	1.97E-02	6.60E-03	7.34E-04	2.84E-02	1.28E-03	3.92E-08	8.80E-05	2.00E-05	1.39E-03
2306	494511.06	3860001.99	2.90E-03	4.70E-08	8.55E-05	2.00E-05	3.01E-03	1.37E-03	1.93E-02	6.41E-03	7.34E-04	2.79E-02	1.30E-03	3.85E-08	8.55E-05	2.00E-05	1.41E-03
2307	494561.06	3860001.99	2.87E-03	4.79E-08	8.33E-05	1.88E-05	2.97E-03	1.35E-03	1.97E-02	6.25E-03	6.89E-04	2.80E-02	1.29E-03	3.93E-08	8.33E-05	1.88E-05	1.39E-03
2308	494611.06	3860001.99	2.83E-03	4.70E-08	8.06E-05	1.88E-05	2.93E-03	1.33E-03	1.94E-02	6.05E-03	6.90E-04	2.74E-02	1.27E-03	3.86E-08	8.06E-05	1.88E-05	1.37E-03
2309	494661.06	3860001.99	2.80E-03	4.66E-08	7.81E-05	1.87E-05	2.89E-03	1.32E-03	1.92E-02	5.86E-03	6.85E-04	2.70E-02	1.25E-03	3.82E-08	7.81E-05	1.87E-05	1.35E-03
2310	494711.06	3860001.99	2.86E-03	4.47E-08	7.50E-05	2.00E-05	2.95E-03	1.35E-03	1.84E-02	5.63E-03	7.32E-04	2.61E-02	1.28E-03	3.67E-08	7.50E-05	2.00E-05	1.38E-03
2311	494761.06	3860001.99	2.71E-03	4.50E-08	7.27E-05	1.93E-05	2.81E-03	1.28E-03	1.85E-02	5.45E-03	7.09E-04	2.60E-02	1.22E-03	3.69E-08	7.27E-05	1.93E-05	1.31E-03
2312	494811.06	3860001.99	2.63E-03	4.46E-08	7.01E-05	1.91E-05	2.72E-03	1.24E-03	1.84E-02	5.26E-03	7.00E-04	2.56E-02	1.18E-03	3.66E-08	7.01E-05	1.91E-05	1.27E-03
2313	494861.06	3860001.99	2.59E-03	4.44E-08	6.76E-05	1.86E-05	2.67E-03	1.22E-03	1.83E-02	5.07E-03	6.82E-04	2.53E-02	1.16E-03	3.65E-08	6.76E-05	1.86E-05	1.25E-03
2314	494911.06	3860001.99	2.62E-03	4.28E-08	6.80E-05	2.05E-05	2.71E-03	1.23E-03	1.76E-02	5.10E-03	7.50E-04	2.47E-02	1.17E-03	3.51E-08	6.80E-05	2.05E-05	1.26E-03

2315	494961.06	3860001.99	2.58E-03	4.25E-08	6.92E-05	2.01E-05	2.66E-03	1.21E-03	1.75E-02	5.19E-03	7.36E-04	2.46E-02	1.15E-03	3.49E-08	6.92E-05	2.01E-05	1.24E-03
2316	495011.06	3860001.99	2.57E-03	4.17E-08	6.92E-05	2.05E-05	2.66E-03	1.21E-03	1.72E-02	5.19E-03	7.53E-04	2.44E-02	1.15E-03	3.43E-08	6.92E-05	2.05E-05	1.24E-03
2317	495061.06	3860001.99	2.55E-03	4.15E-08	6.80E-05	2.04E-05	2.63E-03	1.20E-03	1.71E-02	5.10E-03	7.49E-04	2.41E-02	1.14E-03	3.40E-08	6.80E-05	2.04E-05	1.23E-03
2318	495111.06	3860001.99	2.55E-03	4.07E-08	7.20E-05	2.03E-05	2.64E-03	1.20E-03	1.68E-02	5.40E-03	7.44E-04	2.41E-02	1.14E-03	3.34E-08	7.20E-05	2.03E-05	1.23E-03
2319	495161.06	3860001.99	2.57E-03	3.99E-08	7.32E-05	2.01E-05	2.66E-03	1.21E-03	1.65E-02	5.49E-03	7.39E-04	2.39E-02	1.15E-03	3.28E-08	7.32E-05	2.01E-05	1.25E-03
2320	495211.06	3860001.99	2.59E-03	3.99E-08	7.38E-05	2.00E-05	2.68E-03	1.22E-03	1.65E-02	5.54E-03	7.34E-04	2.39E-02	1.16E-03	3.28E-08	7.38E-05	2.00E-05	1.25E-03
2321	495261.06	3860001.99	2.62E-03	3.93E-08	7.55E-05	1.99E-05	2.71E-03	1.23E-03	1.62E-02	5.66E-03	7.29E-04	2.38E-02	1.17E-03	3.22E-08	7.55E-05	1.99E-05	1.27E-03
2322	495311.06	3860001.99	2.58E-03	3.89E-08	7.92E-05	2.01E-05	2.68E-03	1.22E-03	1.60E-02	5.94E-03	7.35E-04	2.39E-02	1.16E-03	3.20E-08	7.92E-05	2.01E-05	1.26E-03
2323	495361.06	3860001.99	2.60E-03	3.77E-08	8.33E-05	2.18E-05	2.70E-03	1.22E-03	1.55E-02	6.25E-03	7.99E-04	2.38E-02	1.16E-03	3.09E-08	8.33E-05	2.18E-05	1.27E-03
2324	495411.06	3860001.99	2.56E-03	3.78E-08	7.95E-05	2.12E-05	2.66E-03	1.21E-03	1.56E-02	5.96E-03	7.77E-04	2.35E-02	1.15E-03	3.10E-08	7.95E-05	2.12E-05	1.25E-03
2325	495461.06	3860001.99	2.57E-03	3.71E-08	8.13E-05	2.17E-05	2.67E-03	1.21E-03	1.53E-02	6.09E-03	7.97E-04	2.34E-02	1.15E-03	3.04E-08	8.13E-05	2.17E-05	1.26E-03
2326	495511.06	3860001.99	2.56E-03	3.64E-08	8.26E-05	2.22E-05	2.66E-03	1.21E-03	1.50E-02	6.20E-03	8.15E-04	2.32E-02	1.15E-03	2.99E-08	8.26E-05	2.22E-05	1.25E-03
2327	495561.06	3860001.99	2.54E-03	3.61E-08	8.07E-05	2.21E-05	2.64E-03	1.20E-03	1.49E-02	6.05E-03	8.09E-04	2.29E-02	1.14E-03	2.96E-08	8.07E-05	2.21E-05	1.24E-03
2328	495611.06	3860001.99	2.52E-03	3.54E-08	8.46E-05	2.27E-05	2.63E-03	1.19E-03	1.46E-02	6.35E-03	8.33E-04	2.30E-02	1.13E-03	2.90E-08	8.46E-05	2.27E-05	1.24E-03
2329	495661.06	3860001.99	2.50E-03	3.48E-08	8.36E-05	2.27E-05	2.61E-03	1.18E-03	1.43E-02	6.27E-03	8.31E-04	2.26E-02	1.12E-03	2.86E-08	8.36E-05	2.27E-05	1.23E-03
2330	494411.06	3860051.99	2.87E-03	4.89E-08	7.91E-05	1.91E-05	2.97E-03	1.36E-03	2.02E-02	5.94E-03	6.99E-04	2.82E-02	1.29E-03	4.02E-08	7.91E-05	1.91E-05	1.39E-03
2331	494461.06	3860051.99	2.89E-03	4.84E-08	8.28E-05	1.90E-05	2.99E-03	1.36E-03	2.00E-02	6.21E-03	6.98E-04	2.82E-02	1.29E-03	3.98E-08	8.28E-05	1.90E-05	1.40E-03
2332	494511.06	3860051.99	2.89E-03	4.81E-08	8.61E-05	1.90E-05	3.00E-03	1.36E-03	1.98E-02	6.46E-03	6.96E-04	2.83E-02	1.30E-03	3.94E-08	8.61E-05	1.90E-05	1.40E-03
2333	494561.06	3860051.99	2.83E-03	4.88E-08	8.55E-05	1.89E-05	2.93E-03	1.33E-03	2.01E-02	6.41E-03	6.94E-04	2.85E-02	1.27E-03	4.01E-08	8.55E-05	1.89E-05	1.37E-03
2334	494611.06	3860051.99	2.84E-03	4.86E-08	8.69E-05	1.89E-05	2.95E-03	1.34E-03	2.00E-02	6.52E-03	6.92E-04	2.86E-02	1.28E-03	3.98E-08	8.69E-05	1.89E-05	1.38E-03
2335	494661.06	3860051.99	2.83E-03	4.81E-08	8.51E-05	1.88E-05	2.94E-03	1.34E-03	1.98E-02	6.38E-03	6.90E-04	2.82E-02	1.27E-03	3.95E-08	8.51E-05	1.88E-05	1.37E-03
2336	494711.06	3860051.99	2.79E-03	4.70E-08	8.25E-05	1.88E-05	2.90E-03	1.32E-03	1.93E-02	6.19E-03	6.89E-04	2.75E-02	1.25E-03	3.85E-08	8.25E-05	1.88E-05	1.35E-03
2337	494761.06	3860051.99	2.75E-03	4.66E-08	8.01E-05	1.88E-05	2.85E-03	1.30E-03	1.92E-02	6.01E-03	6.88E-04	2.72E-02	1.23E-03	3.83E-08	8.01E-05	1.88E-05	1.33E-03
2338	494811.06	3860051.99	2.76E-03	4.66E-08	7.78E-05	1.87E-05	2.86E-03	1.30E-03	1.92E-02	5.83E-03	6.85E-04	2.70E-02	1.24E-03	3.82E-08	7.78E-05	1.87E-05	1.34E-03
2339	494861.06	3860051.99	2.69E-03	4.64E-08	7.55E-05	1.86E-05	2.79E-03	1.27E-03	1.91E-02	5.66E-03	6.84E-04	2.67E-02	1.21E-03	3.81E-08	7.55E-05	1.86E-05	1.30E-03
2340	494911.06	3860051.99	2.61E-03	4.55E-08	7.28E-05	1.86E-05	2.70E-03	1.23E-03	1.88E-02	5.46E-03	6.82E-04	2.61E-02	1.17E-03	3.73E-08	7.28E-05	1.86E-05	1.26E-03
2341	494961.06	3860051.99	2.56E-03	4.45E-08	7.00E-05	1.86E-05	2.65E-03	1.21E-03	1.84E-02	5.25E-03	6.81E-04	2.55E-02	1.15E-03	3.66E-08	7.00E-05	1.86E-05	1.24E-03
2342	495011.06	3860051.99	2.52E-03	4.37E-08	6.73E-05	1.85E-05	2.61E-03	1.19E-03	1.80E-02	5.05E-03	6.79E-04	2.49E-02	1.13E-03	3.59E-08	6.73E-05	1.85E-05	1.22E-03
2343	495061.06	3860051.99	2.48E-03	4.31E-08	6.70E-05	1.87E-05	2.57E-03	1.17E-03	1.78E-02	5.02E-03	6.87E-04	2.46E-02	1.11E-03	3.54E-08	6.70E-05	1.87E-05	1.20E-03
2344	495111.06	3860051.99	2.45E-03	4.22E-08	6.79E-05	1.95E-05	2.53E-03	1.15E-03	1.74E-02	5.09E-03	7.13E-04	2.43E-02	1.10E-03	3.46E-08	6.79E-05	1.95E-05	1.18E-03
2345	495161.06	3860051.99	2.50E-03	4.16E-08	6.83E-05	2.00E-05	2.58E-03	1.18E-03	1.71E-02	5.12E-03	7.34E-04	2.42E-02	1.12E-03	3.41E-08	6.83E-05	2.00E-05	1.21E-03
2346	495211.06	3860051.99	2.50E-03	4.09E-08	6.70E-05	1.99E-05	2.58E-03	1.18E-03	1.69E-02	5.03E-03	7.30E-04	2.38E-02	1.12E-03	3.36E-08	6.70E-05	1.99E-05	1.21E-03
2347	495261.06	3860051.99	2.50E-03	4.05E-08	6.85E-05	1.98E-05	2.59E-03	1.18E-03	1.67E-02	5.14E-03	7.26E-04	2.37E-02	1.12E-03	3.32E-08	6.85E-05	1.98E-05	1.21E-03
2348	495311.06	3860051.99	2.51E-03	4.02E-08	6.87E-05	1.97E-05	2.60E-03	1.18E-03	1.66E-02	5.15E-03	7.21E-04	2.36E-02	1.13E-03	3.30E-08	6.87E-05	1.97E-05	1.21E-03
2349	495361.06	3860051.99	2.54E-03	3.99E-08	7.07E-05	1.95E-05	2.63E-03	1.20E-03	1.64E-02	5.30E-03	7.17E-04	2.36E-02	1.14E-03	3.27E-08	7.07E-05	1.95E-05	1.23E-03
2350	495411.06	3860051.99	2.52E-03	3.94E-08	7.34E-05	1.94E-05	2.62E-03	1.19E-03	1.62E-02	5.50E-03	7.11E-04	2.36E-02	1.13E-03	3.23E-08	7.34E-05	1.94E-05	1.22E-03
2351	495461.06	3860051.99	2.53E-03	3.87E-08	7.47E-05	1.93E-05	2.62E-03	1.19E-03	1.60E-02	5.60E-03	7.06E-04	2.35E-02	1.13E-03	3.18E-08	7.47E-05	1.93E-05	1.23E-03
2352	495511.06	3860051.99	2.52E-03	3.85E-08	7.81E-05	1.93E-05	2.62E-03	1.19E-03	1.59E-02	5.86E-03	7.07E-04	2.36E-02	1.13E-03	3.16E-08	7.81E-05	1.93E-05	1.23E-03
2353	495561.06	3860051.99	2.50E-03	3.81E-08	7.89E-05	1.97E-05	2.60E-03	1.18E-03	1.57E-02	5.92E-03	7.23E-04	2.35E-02	1.12E-03	3.13E-08	7.89E-05	1.97E-05	1.22E-03
2354	495611.06	3860051.99	2.51E-03	3.75E-08	7.74E-05	2.05E-05	2.61E-03	1.18E-03	1.55E-02	5.80E-03	7.51E-04	2.32E-02	1.13E-03	3.08E-08	7.74E-05	2.05E-05	1.22E-03
2355	495661.06	3860051.99	2.51E-03	3.64E-08	7.83E-05	2.18E-05	2.61E-03	1.18E-03	1.50E-02	5.87E-03	7.99E-04	2.28E-02	1.13E-03	2.99E-08	7.83E-05	2.18E-05	1.23E-03
2356	494411.06	3860101.99	2.84E-03	4.84E-08	6.92E-05	1.84E-05	2.93E-03	1.34E-03	1.99E-02	5.19E-03	6.74E-04	2.71E-02	1.27E-03	3.97E-08	6.92E-05	1.84E-05	1.36E-03
2357	494461.06	3860101.99	2.83E-03	4.91E-08	6.92E-05	1.81E-05	2.91E-03	1.33E-03	2.02E-02	5.19E-03	6.65E-04	2.74E-02	1.27E-03	4.03E-08	6.92E-05	1.81E-05	1.35E-03
2358	494511.06	3860101.99	2.82E-03	4.81E-08	7.41E-05	1.81E-05	2.92E-03	1.33E-03	1.98E-02	5.55E-03	6.65E-04	2.74E-02	1.27E-03	3.94E-08	7.41E-05	1.81E-05	1.36E-03
2359	494561.06	3860101.99	2.84E-03	4.83E-08	7.59E-05	1.81E-05	2.93E-03	1.34E-03	1.99E-02	5.69E-03	6.64E-04	2.76E-02	1.27E-03	3.96E-08	7.59E-05	1.81E-05	1.37E-03
2360	494611.06	3860101.99	2.85E-03	4.90E-08	7.60E-05	1.81E-05	2.94E-03	1.34E-03	2.02E-02	5.70E-03	6.64E-04	2.79E-02	1.28E-03	4.02E-08	7.60E-05	1.81E-05	1.37E-03
2361	494661.06	3860101.99	2.80E-03	4.91E-08	7.78E-05	1.81E-05	2.90E-03	1.32E-03	2.02E-02	5.84E-03	6.64E-04	2.80E-02	1.26E-03	4.03E-08	7.78E-05	1.81E-05	1.35E-03
2362	494711.06	3860101.99	2.78E-03	4.81E-08	8.24E-05	1.81E-05	2.88E-03	1.31E-03	1.98E-02	6.18E-03	6.63E-04	2.80E-02	1.25E-03	3.94E-08	8.24E-05	1.81E-05	1.35E-03
2363	494761.06	3860101.99	2.80E-03	4.80E-08	8.43E-05	1.81E-05	2.90E-03	1.32E-03	1.98E-02	6.32E-03	6.63E-04	2.81E-02	1.26E-03	3.94E-08	8.43E-05	1.81E-05	1.36E-03
2364	494811.06	3860101.99	2.76E-03	4.77E-08	8.44E-05	1.81E-05	2.87E-03	1.30E-03	1.97E-02	6.33E-03	6.62E-04	2.80E-02	1.24E-03	3.92E-08	8.44E-05	1.81E-05	1.34E-03
2365	494861.06	3860101.99	2.72E-03	4.83E-08	8.27E-05	1.81E-05	2.82E-03	1.28E-03	1.99E-02	6.20E-03	6.63E-04	2.80E-02	1.22E-03	3.96E-08	8.27E-05	1.81E-05	1.32E-03
2366	494911.06	3860101.99	2.72E-03	4.64E-08	7.96E-05	1.80E-05	2.81E-03	1.28E-03	1.91E-02	5.97E-03	6.61E-04	2.70E-02	1.22E-03	3.81E-08	7.96E-05	1.80E-05	1.32E-03
2367	494961.06	3860101.99	2.67E-03	4.59E-08	7.72E-05	1.80E-05	2.77E-03	1.26E-03	1.89E-02	5.79E-03	6.60E-04	2.66E-02	1.20E-03	3.77E-08	7.72E-05	1.80E-05	1.29E-03
2368	495011.06	3860101.99	2.59E-03	4.52E-08	7.46E-05	1.80E-05	2.69E-03	1.22E-03	1.86E-02	5.60E-03	6.59E-04	2.61E-02	1.16E-03	3.71E-08	7.46E-05	1.80E-05	1.26E-03
2369	495061.06	3860101.99	2.54E-03	4.44E-08	7.21E-05	1.79E-05	2.63E-03	1.20E-03	1.83E-02	5.41E-03	6.58E-04	2.56E-02	1.14E-03	3.65E-08	7.21E-05	1.79E-05	1.23E-03
2370	495111.06	3860101.99	2.49E-03	4.35E-08	6.94E-05	1.79E-05	2.58E-03	1.18E-03	1.79E-02	5.21E-03	6.57E-04	2.50E-02	1.12E-03	3.57E-08	6.94E-05	1.79E-05	1.21E-03
2371	495161.06	3860101.99	2.46E-03	4.32E-08	6.70E-05	1.79E-05	2.54E-03	1.16E-03	1.78E-02	5.03E-03	6.56E-04	2.46E-02	1.10E-03	3.54E-08	6.70E-05	1.79E-05	1.19E-03
2372	495211.06	3860101.99	2.42E-03	4.26E-08	6.57E-05	1.80E-05	2.51E-03	1.14E-03	1.75E-02	4.93E-03	6.61E-04	2.43E-02	1.09E-03	3.49E-08	6.57E-05	1.80E-05	1.17E-03
2373	495261.06	3860101.99	2.38E-03	4.20E-08	6.67E-05	1.84E-05	2.47E-03	1.12E-03	1.73E-02	5.00E-03	6.75E-04	2.41E-02	1.07E-03	3.45E-08	6.67E-05	1.84E-05	1.15E-03
2374	495311.06	3860101.99	2.34E-03	4.16E-08	6.77E-05	1.86E-05	2.43E-03	1.11E-03	1.71E-02	5.08E-03	6.81E-04	2.40E-02	1.05E-03	3.41E-08	6.77E-05	1.86E-05	1.14E-03
2375	495361.06	3860101.99	2.36E-03	4.15E-08	6.59E-05	1.84E-05	2.44E-03	1.11E-03	1.71E-02	4.95E-03	6.74E-04	2.38E-02	1.06E-03	3.40E-08	6.59E-05	1.84E-05	1.14E-03

2376	495411.06	3860101.99	2.38E-03	4.10E-08	6.34E-05	1.88E-05	2.46E-03	1.12E-03	1.69E-02	4.75E-03	6.90E-04	2.34E-02	1.07E-03	3.36E-08	6.34E-05	1.88E-05	1.15E-03
2377	495461.06	3860101.99	2.48E-03	4.00E-08	6.47E-05	1.92E-05	2.56E-03	1.17E-03	1.65E-02	4.85E-03	7.03E-04	2.32E-02	1.11E-03	3.28E-08	6.47E-05	1.92E-05	1.19E-03
2378	495511.06	3860101.99	2.49E-03	3.99E-08	6.44E-05	1.91E-05	2.57E-03	1.17E-03	1.64E-02	4.83E-03	6.99E-04	2.31E-02	1.11E-03	3.28E-08	6.44E-05	1.91E-05	1.20E-03
2379	495561.06	3860101.99	2.45E-03	3.98E-08	6.66E-05	1.89E-05	2.54E-03	1.16E-03	1.64E-02	4.99E-03	6.94E-04	2.32E-02	1.10E-03	3.27E-08	6.66E-05	1.89E-05	1.18E-03
2380	495611.06	3860101.99	2.47E-03	3.88E-08	7.16E-05	1.88E-05	2.56E-03	1.17E-03	1.60E-02	5.37E-03	6.88E-04	2.32E-02	1.11E-03	3.19E-08	7.16E-05	1.88E-05	1.20E-03
2381	495661.06	3860101.99	2.45E-03	3.84E-08	7.43E-05	1.90E-05	2.54E-03	1.16E-03	1.58E-02	5.57E-03	6.95E-04	2.32E-02	1.10E-03	3.15E-08	7.43E-05	1.90E-05	1.19E-03
2382	494861.06	3860151.99	2.75E-03	4.98E-08	7.33E-05	1.72E-05	2.85E-03	1.30E-03	2.05E-02	5.50E-03	6.30E-04	2.79E-02	1.24E-03	4.08E-08	7.33E-05	1.72E-05	1.33E-03
2383	494911.06	3860151.99	2.73E-03	4.76E-08	8.04E-05	1.71E-05	2.83E-03	1.29E-03	1.96E-02	6.03E-03	6.26E-04	2.76E-02	1.22E-03	3.91E-08	8.04E-05	1.71E-05	1.32E-03
2384	494961.06	3860151.99	2.69E-03	4.70E-08	8.35E-05	1.71E-05	2.79E-03	1.27E-03	1.94E-02	6.26E-03	6.26E-04	2.75E-02	1.21E-03	3.86E-08	8.35E-05	1.71E-05	1.31E-03
2385	495011.06	3860151.99	2.67E-03	4.63E-08	8.13E-05	1.70E-05	2.77E-03	1.26E-03	1.91E-02	6.10E-03	6.25E-04	2.71E-02	1.20E-03	3.80E-08	8.13E-05	1.70E-05	1.29E-03
2386	495061.06	3860151.99	2.65E-03	4.56E-08	7.89E-05	1.70E-05	2.75E-03	1.25E-03	1.88E-02	5.92E-03	6.24E-04	2.66E-02	1.19E-03	3.75E-08	7.89E-05	1.70E-05	1.29E-03
2387	495111.06	3860151.99	2.58E-03	4.51E-08	7.66E-05	1.70E-05	2.67E-03	1.22E-03	1.86E-02	5.74E-03	6.23E-04	2.62E-02	1.16E-03	3.70E-08	7.66E-05	1.70E-05	1.25E-03
2388	495161.06	3860151.99	2.51E-03	4.46E-08	7.42E-05	1.70E-05	2.61E-03	1.19E-03	1.84E-02	5.57E-03	6.23E-04	2.58E-02	1.13E-03	3.66E-08	7.42E-05	1.70E-05	1.22E-03
2389	495211.06	3860151.99	2.46E-03	4.40E-08	7.18E-05	1.70E-05	2.55E-03	1.16E-03	1.81E-02	5.38E-03	6.22E-04	2.53E-02	1.11E-03	3.61E-08	7.18E-05	1.70E-05	1.19E-03
2390	495261.06	3860151.99	2.43E-03	4.35E-08	6.94E-05	1.69E-05	2.52E-03	1.15E-03	1.79E-02	5.20E-03	6.21E-04	2.49E-02	1.09E-03	3.57E-08	6.94E-05	1.69E-05	1.18E-03
2391	495311.06	3860151.99	2.40E-03	4.31E-08	6.70E-05	1.69E-05	2.48E-03	1.13E-03	1.77E-02	5.03E-03	6.20E-04	2.45E-02	1.08E-03	3.53E-08	6.70E-05	1.69E-05	1.16E-03
2392	495361.06	3860151.99	2.36E-03	4.27E-08	6.47E-05	1.69E-05	2.44E-03	1.11E-03	1.76E-02	4.85E-03	6.20E-04	2.42E-02	1.06E-03	3.51E-08	6.47E-05	1.69E-05	1.14E-03
2393	495411.06	3860151.99	2.32E-03	4.23E-08	6.56E-05	1.69E-05	2.41E-03	1.10E-03	1.74E-02	4.92E-03	6.19E-04	2.41E-02	1.04E-03	3.47E-08	6.56E-05	1.69E-05	1.13E-03
2394	495461.06	3860151.99	2.31E-03	4.19E-08	6.66E-05	1.69E-05	2.40E-03	1.09E-03	1.73E-02	4.99E-03	6.18E-04	2.40E-02	1.04E-03	3.44E-08	6.66E-05	1.69E-05	1.12E-03
2395	495511.06	3860151.99	2.33E-03	4.13E-08	6.61E-05	1.74E-05	2.41E-03	1.10E-03	1.70E-02	4.96E-03	6.36E-04	2.37E-02	1.05E-03	3.39E-08	6.61E-05	1.74E-05	1.13E-03
2396	495561.06	3860151.99	2.35E-03	4.11E-08	6.36E-05	1.75E-05	2.43E-03	1.11E-03	1.69E-02	4.77E-03	6.43E-04	2.34E-02	1.06E-03	3.37E-08	6.36E-05	1.75E-05	1.14E-03
2397	495611.06	3860151.99	2.37E-03	4.05E-08	6.11E-05	1.83E-05	2.45E-03	1.12E-03	1.67E-02	4.58E-03	6.69E-04	2.31E-02	1.06E-03	3.32E-08	6.11E-05	1.83E-05	1.14E-03
2398	495661.06	3860151.99	2.34E-03	3.98E-08	6.05E-05	1.84E-05	2.41E-03	1.10E-03	1.64E-02	4.53E-03	6.76E-04	2.27E-02	1.05E-03	3.27E-08	6.05E-05	1.84E-05	1.13E-03
2399	495718.25	3859442.96	2.09E-03	2.07E-08	1.17E-04	1.92E-05	2.22E-03	9.84E-04	8.53E-03	8.76E-03	7.05E-04	1.90E-02	9.36E-04	1.70E-08	1.17E-04	1.92E-05	1.07E-03
2400	495818.25	3859442.96	2.08E-03	2.01E-08	1.14E-04	1.85E-05	2.21E-03	9.82E-04	8.28E-03	8.53E-03	6.77E-04	1.85E-02	9.34E-04	1.65E-08	1.14E-04	1.85E-05	1.07E-03
2401	495918.25	3859442.96	2.08E-03	1.98E-08	1.12E-04	1.84E-05	2.21E-03	9.83E-04	8.15E-03	8.39E-03	6.74E-04	1.82E-02	9.34E-04	1.62E-08	1.12E-04	1.84E-05	1.06E-03
2402	496018.25	3859442.96	2.08E-03	1.95E-08	1.14E-04	1.83E-05	2.22E-03	9.82E-04	8.04E-03	8.54E-03	6.71E-04	1.82E-02	9.34E-04	1.60E-08	1.14E-04	1.83E-05	1.07E-03
2403	496118.25	3859442.96	2.12E-03	1.98E-08	1.07E-04	1.84E-05	2.24E-03	9.98E-04	8.15E-03	8.04E-03	6.75E-04	1.79E-02	9.49E-04	1.62E-08	1.07E-04	1.84E-05	1.07E-03
2404	496218.25	3859442.96	2.14E-03	2.00E-08	1.00E-04	1.85E-05	2.26E-03	1.01E-03	8.23E-03	7.54E-03	6.78E-04	1.75E-02	9.58E-04	1.64E-08	1.00E-04	1.85E-05	1.08E-03
2405	496318.25	3859442.96	2.13E-03	1.98E-08	9.40E-05	1.84E-05	2.24E-03	1.00E-03	8.14E-03	7.05E-03	6.76E-04	1.69E-02	9.54E-04	1.62E-08	9.40E-05	1.84E-05	1.07E-03
2406	496418.25	3859442.96	2.11E-03	1.95E-08	9.14E-05	1.84E-05	2.22E-03	9.97E-04	8.03E-03	6.86E-03	6.73E-04	1.66E-02	9.48E-04	1.60E-08	9.14E-05	1.84E-05	1.06E-03
2407	495718.25	3859542.96	2.09E-03	2.32E-08	1.04E-04	2.12E-05	2.22E-03	9.86E-04	9.58E-03	7.83E-03	7.76E-04	1.92E-02	9.37E-04	1.91E-08	1.04E-04	2.12E-05	1.06E-03
2408	495818.25	3859542.96	2.12E-03	2.27E-08	1.07E-04	2.09E-05	2.25E-03	9.99E-04	9.33E-03	8.05E-03	7.66E-04	1.91E-02	9.50E-04	1.86E-08	1.07E-04	2.09E-05	1.08E-03
2409	495918.25	3859542.96	2.12E-03	2.19E-08	1.08E-04	2.08E-05	2.25E-03	1.00E-03	9.04E-03	8.09E-03	7.63E-04	1.89E-02	9.51E-04	1.80E-08	1.08E-04	2.08E-05	1.08E-03
2410	496018.25	3859542.96	2.06E-03	2.14E-08	1.09E-04	2.07E-05	2.19E-03	9.74E-04	8.80E-03	8.17E-03	7.60E-04	1.87E-02	9.26E-04	1.75E-08	1.09E-04	2.07E-05	1.06E-03
2411	496118.25	3859542.96	2.10E-03	2.16E-08	1.08E-04	2.07E-05	2.23E-03	9.93E-04	8.89E-03	8.12E-03	7.57E-04	1.88E-02	9.44E-04	1.77E-08	1.08E-04	2.07E-05	1.07E-03
2412	496218.25	3859542.96	2.13E-03	2.16E-08	1.10E-04	2.06E-05	2.26E-03	1.01E-03	8.89E-03	8.27E-03	7.55E-04	1.89E-02	9.56E-04	1.77E-08	1.10E-04	2.06E-05	1.09E-03
2413	496318.25	3859542.96	2.15E-03	2.15E-08	1.08E-04	2.05E-05	2.28E-03	1.01E-03	8.86E-03	8.12E-03	7.52E-04	1.88E-02	9.63E-04	1.77E-08	1.08E-04	2.05E-05	1.09E-03
2414	496418.25	3859542.96	2.14E-03	2.11E-08	1.04E-04	2.04E-05	2.26E-03	1.01E-03	8.69E-03	7.77E-03	7.49E-04	1.82E-02	9.60E-04	1.73E-08	1.04E-04	2.04E-05	1.08E-03
2415	495718.25	3859642.96	2.11E-03	2.52E-08	1.06E-04	2.28E-05	2.24E-03	9.97E-04	1.04E-02	7.93E-03	8.37E-04	2.02E-02	9.48E-04	2.07E-08	1.06E-04	2.28E-05	1.08E-03
2416	495818.25	3859642.96	2.07E-03	2.44E-08	1.05E-04	2.24E-05	2.19E-03	9.75E-04	1.01E-02	7.84E-03	8.21E-04	1.97E-02	9.27E-04	2.00E-08	1.05E-04	2.24E-05	1.05E-03
2417	495918.25	3859642.96	2.09E-03	2.39E-08	1.03E-04	2.19E-05	2.22E-03	9.88E-04	9.84E-03	7.73E-03	8.04E-04	1.94E-02	9.39E-04	1.96E-08	1.03E-04	2.19E-05	1.06E-03
2418	496018.25	3859642.96	2.07E-03	2.32E-08	1.01E-04	2.13E-05	2.19E-03	9.75E-04	9.56E-03	7.59E-03	7.81E-04	1.89E-02	9.27E-04	1.90E-08	1.01E-04	2.13E-05	1.05E-03
2419	496118.25	3859642.96	2.15E-03	2.34E-08	9.91E-05	2.16E-05	2.27E-03	1.01E-03	9.66E-03	7.43E-03	7.91E-04	1.89E-02	9.63E-04	1.92E-08	9.91E-05	2.16E-05	1.08E-03
2420	496218.25	3859642.96	2.19E-03	2.34E-08	9.84E-05	2.20E-05	2.31E-03	1.03E-03	9.65E-03	7.38E-03	8.08E-04	1.89E-02	9.83E-04	1.92E-08	9.84E-05	2.20E-05	1.10E-03
2421	496318.25	3859642.96	2.14E-03	2.30E-08	1.00E-04	2.17E-05	2.26E-03	1.01E-03	9.49E-03	7.52E-03	7.94E-04	1.88E-02	9.59E-04	1.89E-08	1.00E-04	2.17E-05	1.08E-03
2422	496418.25	3859642.96	2.06E-03	2.16E-08	1.02E-04	2.09E-05	2.18E-03	9.70E-04	8.92E-03	7.64E-03	7.68E-04	1.83E-02	9.22E-04	1.78E-08	1.02E-04	2.09E-05	1.05E-03
2423	495718.25	3859742.96	2.32E-03	2.71E-08	1.01E-04	2.32E-05	2.44E-03	1.09E-03	1.11E-02	7.55E-03	8.52E-04	2.06E-02	1.04E-03	2.22E-08	1.01E-04	2.32E-05	1.16E-03
2424	495818.25	3859742.96	2.26E-03	2.60E-08	1.01E-04	2.36E-05	2.39E-03	1.07E-03	1.07E-02	7.61E-03	8.65E-04	2.03E-02	1.01E-03	2.14E-08	1.01E-04	2.36E-05	1.14E-03
2425	495918.25	3859742.96	2.16E-03	2.53E-08	1.02E-04	2.39E-05	2.29E-03	1.02E-03	1.04E-02	7.62E-03	8.76E-04	2.00E-02	9.70E-04	2.08E-08	1.02E-04	2.39E-05	1.10E-03
2426	496018.25	3859742.96	2.06E-03	2.47E-08	1.02E-04	2.43E-05	2.18E-03	9.71E-04	1.02E-02	7.62E-03	8.90E-04	1.97E-02	9.23E-04	2.03E-08	1.02E-04	2.43E-05	1.05E-03
2427	496118.25	3859742.96	2.06E-03	2.52E-08	1.01E-04	2.44E-05	2.18E-03	9.71E-04	1.04E-02	7.57E-03	8.96E-04	1.98E-02	9.24E-04	2.07E-08	1.01E-04	2.44E-05	1.05E-03
2428	496218.25	3859742.96	2.11E-03	2.66E-08	9.98E-05	2.44E-05	2.24E-03	9.97E-04	1.10E-02	7.49E-03	8.96E-04	2.03E-02	9.48E-04	2.19E-08	9.98E-05	2.44E-05	1.07E-03
2429	496318.25	3859742.96	2.07E-03	2.39E-08	9.90E-05	2.41E-05	2.19E-03	9.75E-04	9.85E-03	7.43E-03	8.84E-04	1.91E-02	9.27E-04	1.96E-08	9.90E-05	2.41E-05	1.05E-03
2430	496418.25	3859742.96	2.06E-03	2.27E-08	9.78E-05	2.31E-05	2.18E-03	9.72E-04	9.36E-03	7.33E-03	8.47E-04	1.85E-02	9.25E-04	1.86E-08	9.78E-05	2.31E-05	1.05E-03
2431	495718.25	3859842.96	2.33E-03	3.00E-08	1.01E-04	2.25E-05	2.45E-03	1.10E-03	1.24E-02	7.60E-03	8.25E-04	2.19E-02	1.04E-03	2.46E-08	1.01E-04	2.25E-05	1.17E-03
2432	495818.25	3859842.96	2.33E-03	2.92E-08	9.79E-05	2.24E-05	2.45E-03	1.10E-03	1.20E-02	7.34E-03	8.21E-04	2.13E-02	1.04E-03	2.40E-08	9.79E-05	2.24E-05	1.16E-03
2433	495918.25	3859842.96	2.34E-03	2.86E-08	9.45E-05	2.23E-05	2.45E-03	1.10E-03	1.18E-02	7.09E-03	8.16E-04	2.08E-02	1.05E-03	2.35E-08	9.45E-05	2.23E-05	1.16E-03
2434	496018.25	3859842.96	2.28E-03	2.83E-08	9.45E-05	2.22E-05	2.40E-03	1.08E-03	1.17E-02	7.09E-03	8.12E-04	2.06E-02	1.02E-03	2.32E-08	9.45E-05	2.22E-05	1.14E-03
2435	496118.25	3859842.96	2.22E-03	2.94E-08	9.53E-05	2.21E-05	2.33E-03	1.05E-03	1.21E-02	7.15E-03	8.11E-04	2.11E-02	9.94E-04	2.41E-08	9.53E-05	2.21E-05	1.11E-03
2436	496218.25	3859842.96	2.11E-03	2.70E-08	9.63E-05	2.23E-05	2.23E-03	9.96E-04	1.11E-02	7.22E-03	8.16E-04	2.02E-02	9.47E-04	2.22E-08	9.63E-05	2.23E-05	1.07E-03

2437	496318.25	3859842.96	1.94E-03	2.33E-08	9.71E-05	2.32E-05	2.06E-03	9.15E-04	9.61E-03	7.29E-03	8.51E-04	1.87E-02	8.70E-04	1.91E-08	9.71E-05	2.32E-05	9.91E-04
2438	496418.25	3859842.96	1.84E-03	2.16E-08	9.70E-05	2.15E-05	1.96E-03	8.67E-04	8.89E-03	7.27E-03	7.89E-04	1.78E-02	8.25E-04	1.77E-08	9.70E-05	2.15E-05	9.43E-04
2439	495718.25	3859942.96	2.42E-03	3.32E-08	9.70E-05	2.23E-05	2.54E-03	1.14E-03	1.37E-02	7.28E-03	8.17E-04	2.29E-02	1.08E-03	2.72E-08	9.70E-05	2.23E-05	1.20E-03
2440	495818.25	3859942.96	2.34E-03	3.21E-08	9.82E-05	2.21E-05	2.46E-03	1.10E-03	1.32E-02	7.36E-03	8.11E-04	2.25E-02	1.05E-03	2.63E-08	9.82E-05	2.21E-05	1.17E-03
2441	495918.25	3859942.96	2.27E-03	3.17E-08	9.40E-05	2.20E-05	2.39E-03	1.07E-03	1.31E-02	7.05E-03	8.06E-04	2.20E-02	1.02E-03	2.60E-08	9.40E-05	2.20E-05	1.13E-03
2442	496018.25	3859942.96	2.27E-03	3.28E-08	8.77E-05	2.18E-05	2.38E-03	1.07E-03	1.35E-02	6.57E-03	7.98E-04	2.19E-02	1.02E-03	2.69E-08	8.77E-05	2.18E-05	1.13E-03
2443	496118.25	3859942.96	2.27E-03	3.05E-08	8.73E-05	2.22E-05	2.38E-03	1.07E-03	1.26E-02	6.55E-03	8.14E-04	2.10E-02	1.02E-03	2.51E-08	8.73E-05	2.22E-05	1.13E-03
2444	496218.25	3859942.96	2.24E-03	2.69E-08	1.05E-04	2.20E-05	2.37E-03	1.06E-03	1.11E-02	7.91E-03	8.07E-04	2.09E-02	1.01E-03	2.21E-08	1.05E-04	2.20E-05	1.13E-03
2445	496318.25	3859942.96	2.16E-03	2.48E-08	1.13E-04	2.19E-05	2.29E-03	1.02E-03	1.02E-02	8.48E-03	8.03E-04	2.05E-02	9.67E-04	2.04E-08	1.13E-04	2.19E-05	1.10E-03
2446	496418.25	3859942.96	1.97E-03	2.14E-08	1.19E-04	2.16E-05	2.11E-03	9.27E-04	8.83E-03	8.92E-03	7.92E-04	1.95E-02	8.82E-04	1.76E-08	1.19E-04	2.16E-05	1.02E-03
2447	496856.82	3858864.83	1.06E-03	1.24E-08	7.08E-05	1.45E-05	1.14E-03	4.98E-04	5.12E-03	5.31E-03	5.31E-04	1.15E-02	4.73E-04	1.02E-08	7.08E-05	1.45E-05	5.59E-04
2448	496956.82	3858864.83	1.05E-03	1.23E-08	6.41E-05	1.44E-05	1.13E-03	4.95E-04	5.06E-03	4.81E-03	5.29E-04	1.09E-02	4.70E-04	1.01E-08	6.41E-05	1.44E-05	5.49E-04
2449	497056.82	3858864.83	1.06E-03	1.21E-08	6.36E-05	1.44E-05	1.13E-03	4.98E-04	5.00E-03	4.77E-03	5.27E-04	1.08E-02	4.74E-04	9.96E-09	6.36E-05	1.44E-05	5.52E-04
2450	497156.82	3858864.83	1.07E-03	1.19E-08	6.31E-05	1.43E-05	1.15E-03	5.05E-04	4.90E-03	4.73E-03	5.25E-04	1.07E-02	4.80E-04	9.75E-09	6.31E-05	1.43E-05	5.57E-04
2451	497256.82	3858864.83	1.06E-03	1.18E-08	6.26E-05	1.42E-05	1.14E-03	5.01E-04	4.87E-03	4.69E-03	5.22E-04	1.06E-02	4.76E-04	9.71E-09	6.26E-05	1.42E-05	5.53E-04
2452	496856.82	3858964.83	1.15E-03	1.33E-08	7.90E-05	1.41E-05	1.24E-03	5.41E-04	5.49E-03	5.92E-03	5.16E-04	1.25E-02	5.14E-04	1.09E-08	7.90E-05	1.41E-05	6.07E-04
2453	496956.82	3858964.83	1.10E-03	1.29E-08	7.35E-05	1.40E-05	1.18E-03	5.17E-04	5.33E-03	5.51E-03	5.13E-04	1.19E-02	4.92E-04	1.06E-08	7.35E-05	1.40E-05	5.80E-04
2454	497056.82	3858964.83	1.09E-03	1.27E-08	7.18E-05	1.39E-05	1.17E-03	5.13E-04	5.22E-03	5.38E-03	5.11E-04	1.16E-02	4.88E-04	1.04E-08	7.18E-05	1.39E-05	5.74E-04
2455	497156.82	3858964.83	1.08E-03	1.24E-08	6.92E-05	1.38E-05	1.16E-03	5.08E-04	5.12E-03	5.19E-03	5.08E-04	1.13E-02	4.83E-04	1.02E-08	6.92E-05	1.38E-05	5.66E-04
2456	497256.82	3858964.83	1.08E-03	1.28E-08	7.10E-05	1.37E-05	1.16E-03	5.09E-04	5.28E-03	5.32E-03	5.04E-04	1.16E-02	4.84E-04	1.05E-08	7.10E-05	1.37E-05	5.69E-04
2457	496856.82	3859064.83	1.33E-03	1.39E-08	9.02E-05	1.40E-05	1.43E-03	6.25E-04	5.74E-03	6.77E-03	5.15E-04	1.36E-02	5.94E-04	1.14E-08	9.02E-05	1.40E-05	6.99E-04
2458	496956.82	3859064.83	1.29E-03	1.37E-08	8.75E-05	1.40E-05	1.39E-03	6.09E-04	5.66E-03	6.56E-03	5.12E-04	1.33E-02	5.79E-04	1.13E-08	8.75E-05	1.40E-05	6.81E-04
2459	497056.82	3859064.83	1.25E-03	1.36E-08	8.52E-05	1.39E-05	1.35E-03	5.90E-04	5.58E-03	6.39E-03	5.10E-04	1.31E-02	5.61E-04	1.11E-08	8.52E-05	1.39E-05	6.60E-04
2460	497156.82	3859064.83	1.19E-03	1.34E-08	8.33E-05	1.39E-05	1.28E-03	5.60E-04	5.51E-03	6.25E-03	5.09E-04	1.28E-02	5.33E-04	1.10E-08	8.33E-05	1.39E-05	6.30E-04
2461	497256.82	3859064.83	1.20E-03	1.36E-08	8.84E-05	1.41E-05	1.31E-03	5.68E-04	5.59E-03	6.63E-03	5.16E-04	1.33E-02	5.40E-04	1.11E-08	8.84E-05	1.41E-05	6.43E-04
2462	496856.82	3859164.83	1.48E-03	1.44E-08	9.32E-05	1.48E-05	1.58E-03	6.96E-04	5.95E-03	6.99E-03	5.42E-04	1.42E-02	6.62E-04	1.19E-08	9.32E-05	1.48E-05	7.70E-04
2463	496956.82	3859164.83	1.41E-03	1.42E-08	9.05E-05	1.47E-05	1.52E-03	6.67E-04	5.86E-03	6.79E-03	5.39E-04	1.39E-02	6.35E-04	1.17E-08	9.05E-05	1.47E-05	7.40E-04
2464	497056.82	3859164.83	1.36E-03	1.42E-08	9.05E-05	1.47E-05	1.47E-03	6.43E-04	5.84E-03	6.79E-03	5.39E-04	1.38E-02	6.12E-04	1.16E-08	9.05E-05	1.47E-05	7.17E-04
2465	497156.82	3859164.83	1.37E-03	1.43E-08	9.28E-05	1.48E-05	1.48E-03	6.46E-04	5.90E-03	6.96E-03	5.43E-04	1.41E-02	6.14E-04	1.18E-08	9.28E-05	1.48E-05	7.22E-04
2466	497256.82	3859164.83	1.47E-03	1.48E-08	9.90E-05	1.51E-05	1.58E-03	6.92E-04	6.08E-03	7.43E-03	5.52E-04	1.48E-02	6.58E-04	1.21E-08	9.90E-05	1.51E-05	7.72E-04
2467	496856.82	3859264.83	1.51E-03	1.48E-08	9.40E-05	1.55E-05	1.62E-03	7.12E-04	6.08E-03	7.05E-03	5.69E-04	1.44E-02	6.77E-04	1.21E-08	9.40E-05	1.55E-05	7.87E-04
2468	496956.82	3859264.83	1.53E-03	1.49E-08	9.42E-05	1.56E-05	1.64E-03	7.22E-04	6.13E-03	7.06E-03	5.71E-04	1.45E-02	6.86E-04	1.22E-08	9.42E-05	1.56E-05	7.96E-04
2469	497056.82	3859264.83	1.57E-03	1.51E-08	9.56E-05	1.56E-05	1.68E-03	7.39E-04	6.24E-03	7.17E-03	5.74E-04	1.47E-02	7.03E-04	1.24E-08	9.56E-05	1.56E-05	8.14E-04
2470	497156.82	3859264.83	1.55E-03	1.53E-08	9.64E-05	1.55E-05	1.66E-03	7.32E-04	6.31E-03	7.23E-03	5.70E-04	1.48E-02	6.96E-04	1.26E-08	9.64E-05	1.55E-05	8.08E-04
2471	497256.82	3859264.83	1.55E-03	1.57E-08	9.93E-05	1.54E-05	1.67E-03	7.33E-04	6.48E-03	7.44E-03	5.66E-04	1.52E-02	6.97E-04	1.29E-08	9.93E-05	1.54E-05	8.11E-04
2472	497088.92	3858620.93	9.96E-04	1.01E-08	5.10E-05	1.30E-05	1.06E-03	4.70E-04	4.14E-03	3.82E-03	4.76E-04	8.91E-03	4.47E-04	8.26E-09	5.10E-05	1.30E-05	5.11E-04
2473	497138.92	3858620.93	9.92E-04	1.00E-08	5.10E-05	1.30E-05	1.06E-03	4.68E-04	4.14E-03	3.82E-03	4.76E-04	8.90E-03	4.45E-04	8.24E-09	5.10E-05	1.30E-05	5.09E-04
2474	497188.92	3858620.93	9.78E-04	9.97E-09	5.08E-05	1.29E-05	1.04E-03	4.61E-04	4.11E-03	3.81E-03	4.72E-04	8.85E-03	4.39E-04	8.18E-09	5.08E-05	1.29E-05	5.02E-04
2475	497238.92	3858620.93	9.71E-04	9.91E-09	5.07E-05	1.28E-05	1.03E-03	4.58E-04	4.08E-03	3.80E-03	4.70E-04	8.81E-03	4.35E-04	8.13E-09	5.07E-05	1.28E-05	4.99E-04
2476	497088.92	3858670.93	9.85E-04	1.03E-08	4.99E-05	1.29E-05	1.05E-03	4.65E-04	4.23E-03	3.74E-03	4.71E-04	8.91E-03	4.42E-04	8.43E-09	4.99E-05	1.29E-05	5.05E-04
2477	497138.92	3858670.93	9.99E-04	1.05E-08	4.98E-05	1.30E-05	1.06E-03	4.71E-04	4.34E-03	3.73E-03	4.75E-04	9.01E-03	4.48E-04	8.63E-09	4.98E-05	1.30E-05	5.11E-04
2478	497188.92	3858670.93	9.94E-04	1.04E-08	4.94E-05	1.29E-05	1.06E-03	4.69E-04	4.29E-03	3.70E-03	4.72E-04	8.94E-03	4.46E-04	8.55E-09	4.94E-05	1.29E-05	5.08E-04
2479	497238.92	3858670.93	9.93E-04	1.04E-08	4.94E-05	1.29E-05	1.06E-03	4.68E-04	4.28E-03	3.71E-03	4.72E-04	8.93E-03	4.45E-04	8.53E-09	4.94E-05	1.29E-05	5.08E-04
2480	497088.92	3858720.93	1.01E-03	1.08E-08	5.74E-05	1.32E-05	1.08E-03	4.77E-04	4.45E-03	4.31E-03	4.85E-04	9.72E-03	4.53E-04	8.87E-09	5.74E-05	1.32E-05	5.24E-04
2481	497138.92	3858720.93	9.82E-04	1.06E-08	5.29E-05	1.30E-05	1.05E-03	4.63E-04	4.36E-03	3.97E-03	4.78E-04	9.27E-03	4.41E-04	8.69E-09	5.29E-05	1.30E-05	5.07E-04
2482	497188.92	3858720.93	9.82E-04	1.06E-08	5.24E-05	1.30E-05	1.05E-03	4.63E-04	4.35E-03	3.93E-03	4.76E-04	9.22E-03	4.40E-04	8.66E-09	5.24E-05	1.30E-05	5.06E-04
2483	497238.92	3858720.93	1.01E-03	1.07E-08	5.66E-05	1.32E-05	1.08E-03	4.76E-04	4.41E-03	4.24E-03	4.83E-04	9.61E-03	4.53E-04	8.78E-09	5.66E-05	1.32E-05	5.22E-04
2484	497088.92	3858770.93	1.04E-03	1.13E-08	5.58E-05	1.34E-05	1.10E-03	4.88E-04	4.67E-03	4.19E-03	4.92E-04	9.84E-03	4.64E-04	9.31E-09	5.58E-05	1.34E-05	5.34E-04
2485	497138.92	3858770.93	1.01E-03	1.11E-08	5.56E-05	1.33E-05	1.08E-03	4.77E-04	4.55E-03	4.17E-03	4.89E-04	9.69E-03	4.54E-04	9.07E-09	5.56E-05	1.33E-05	5.23E-04
2486	497188.92	3858770.93	1.01E-03	1.10E-08	5.57E-05	1.33E-05	1.08E-03	4.75E-04	4.53E-03	4.18E-03	4.87E-04	9.67E-03	4.52E-04	9.02E-09	5.57E-05	1.33E-05	5.21E-04
2487	497238.92	3858770.93	1.02E-03	1.11E-08	5.58E-05	1.32E-05	1.09E-03	4.81E-04	4.57E-03	4.19E-03	4.85E-04	9.72E-03	4.57E-04	9.10E-09	5.58E-05	1.32E-05	5.27E-04
2488	497396.65	3858622.63	1.06E-03	1.05E-08	5.22E-05	1.35E-05	1.13E-03	5.00E-04	4.33E-03	3.92E-03	4.93E-04	9.24E-03	4.76E-04	8.62E-09	5.22E-05	1.35E-05	5.41E-04
2489	497496.65	3858622.63	1.12E-03	1.09E-08	5.19E-05	1.37E-05	1.18E-03	5.26E-04	4.51E-03	3.89E-03	5.03E-04	9.43E-03	5.01E-04	8.98E-09	5.19E-05	1.37E-05	5.66E-04
2490	497596.65	3858622.63	1.19E-03	1.16E-08	5.99E-05	1.43E-05	1.27E-03	5.62E-04	4.77E-03	4.49E-03	5.24E-04	1.03E-02	5.35E-04	9.51E-09	5.99E-05	1.43E-05	6.09E-04
2491	497696.65	3858622.63	1.22E-03	1.19E-08	6.02E-05	1.43E-05	1.30E-03	5.76E-04	4.90E-03	4.51E-03	5.25E-04	1.05E-02	5.48E-04	9.75E-09	6.02E-05	1.43E-05	6.22E-04
2492	497796.65	3858622.63	1.31E-03	1.22E-08	6.05E-05	1.43E-05	1.38E-03	6.17E-04	5.03E-03	4.54E-03	5.26E-04	1.07E-02	5.87E-04	1.00E-08	6.05E-05	1.43E-05	6.62E-04
2493	497896.65	3858622.63	1.38E-03	1.27E-08	6.32E-05	1.43E-05	1.45E-03	6.49E-04	5.23E-03	4.74E-03	5.26E-04	1.11E-02	6.17E-04	1.04E-08	6.32E-05	1.43E-05	6.94E-04
2494	497396.65	3858722.63	1.10E-03	1.15E-08	5.97E-05	1.43E-05	1.18E-03	5.20E-04	4.75E-03	4.48E-03	5.24E-04	1.03E-02	4.94E-04	9.47E-09	5.97E-05	1.43E-05	5.68E-04
2495	497496.65	3858722.63	1.16E-03	1.18E-08	6.09E-05	1.43E-05	1.24E-03	5.47E-04	4.87E-03	4.57E-03	5.25E-04	1.05E-02	5.20E-04	9.70E-09	6.09E-05	1.43E-05	5.96E-04
2496	497596.65	3858722.63	1.27E-03	1.23E-08	6.26E-05	1.44E-05	1.35E-03	5.99E-04	5.08E-03	4.69E-03	5.28E-04	1.09E-02	5.69E-04	1.01E-08	6.26E-05	1.44E-05	6.46E-04
2497	497696.65	3858722.63	1.28E-03	1.27E-08	6.26E-05	1.44E-05	1.35E-03	6.01E-04	5.23E-03	4.69E-03	5.30E-04	1.11E-02	5.72E-04	1.04E-08	6.26E-05	1.44E-05	6.49E-04

2498	497796.65	3858722.63	1.33E-03	1.30E-08	6.19E-05	1.45E-05	1.40E-03	6.25E-04	5.35E-03	4.64E-03	5.31E-04	1.11E-02	5.94E-04	1.07E-08	6.19E-05	1.45E-05	6.71E-04
2499	497896.65	3858722.63	1.42E-03	1.36E-08	6.39E-05	1.45E-05	1.50E-03	6.71E-04	5.60E-03	4.80E-03	5.32E-04	1.16E-02	6.38E-04	1.11E-08	6.39E-05	1.45E-05	7.16E-04
2500	497396.65	3858822.63	1.16E-03	1.24E-08	7.26E-05	1.43E-05	1.25E-03	5.49E-04	5.10E-03	5.44E-03	5.23E-04	1.16E-02	5.22E-04	1.02E-08	7.26E-05	1.43E-05	6.08E-04
2501	497496.65	3858822.63	1.18E-03	1.27E-08	7.28E-05	1.42E-05	1.27E-03	5.56E-04	5.23E-03	5.46E-03	5.19E-04	1.18E-02	5.29E-04	1.04E-08	7.28E-05	1.42E-05	6.16E-04
2502	497596.65	3858822.63	1.28E-03	1.35E-08	7.94E-05	1.43E-05	1.37E-03	6.02E-04	5.58E-03	5.96E-03	5.23E-04	1.27E-02	5.72E-04	1.11E-08	7.94E-05	1.43E-05	6.66E-04
2503	497696.65	3858822.63	1.33E-03	1.38E-08	7.87E-05	1.47E-05	1.43E-03	6.28E-04	5.70E-03	5.90E-03	5.38E-04	1.28E-02	5.97E-04	1.14E-08	7.87E-05	1.47E-05	6.91E-04
2504	497796.65	3858822.63	1.40E-03	1.40E-08	7.83E-05	1.50E-05	1.49E-03	6.61E-04	5.77E-03	5.87E-03	5.49E-04	1.29E-02	6.28E-04	1.15E-08	7.83E-05	1.50E-05	7.21E-04
2505	497896.65	3858822.63	1.49E-03	1.48E-08	7.82E-05	1.50E-05	1.58E-03	7.03E-04	6.10E-03	5.86E-03	5.50E-04	1.32E-02	6.68E-04	1.22E-08	7.82E-05	1.50E-05	7.62E-04
2506	497396.65	3858922.63	1.14E-03	1.30E-08	7.63E-05	1.38E-05	1.23E-03	5.38E-04	5.37E-03	5.72E-03	5.07E-04	1.21E-02	5.11E-04	1.07E-08	7.63E-05	1.38E-05	6.01E-04
2507	497496.65	3858922.63	1.27E-03	1.38E-08	8.84E-05	1.37E-05	1.37E-03	5.97E-04	5.67E-03	6.63E-03	5.03E-04	1.34E-02	5.68E-04	1.13E-08	8.84E-05	1.37E-05	6.70E-04
2508	497596.65	3858922.63	1.28E-03	1.38E-08	8.76E-05	1.36E-05	1.38E-03	6.02E-04	5.69E-03	6.57E-03	5.00E-04	1.34E-02	5.73E-04	1.13E-08	8.76E-05	1.36E-05	6.74E-04
2509	497696.65	3858922.63	1.43E-03	1.49E-08	1.03E-04	1.38E-05	1.54E-03	6.74E-04	6.15E-03	7.71E-03	5.07E-04	1.50E-02	6.40E-04	1.23E-08	1.03E-04	1.38E-05	7.57E-04
2510	497796.65	3858922.63	1.51E-03	1.56E-08	1.02E-04	1.42E-05	1.62E-03	7.10E-04	6.43E-03	7.64E-03	5.20E-04	1.53E-02	6.75E-04	1.28E-08	1.02E-04	1.42E-05	7.91E-04
2511	497896.65	3858922.63	1.63E-03	1.64E-08	1.03E-04	1.54E-05	1.75E-03	7.71E-04	6.76E-03	7.75E-03	5.64E-04	1.58E-02	7.33E-04	1.35E-08	1.03E-04	1.54E-05	8.52E-04
2512	497364.44	3858201.52	8.85E-04	8.94E-09	5.16E-05	1.21E-05	9.49E-04	4.17E-04	3.68E-03	3.87E-03	4.45E-04	8.41E-03	3.97E-04	7.34E-09	5.16E-05	1.21E-05	4.61E-04
2513	497414.44	3858201.52	9.06E-04	9.05E-09	5.16E-05	1.21E-05	9.70E-04	4.27E-04	3.73E-03	3.87E-03	4.45E-04	8.47E-03	4.06E-04	7.42E-09	5.16E-05	1.21E-05	4.70E-04
2514	497464.44	3858201.52	9.15E-04	9.16E-09	5.20E-05	1.21E-05	9.80E-04	4.32E-04	3.77E-03	3.90E-03	4.44E-04	8.55E-03	4.11E-04	7.52E-09	5.20E-05	1.21E-05	4.75E-04
2515	497514.44	3858201.52	9.16E-04	9.24E-09	5.19E-05	1.21E-05	9.80E-04	4.32E-04	3.80E-03	3.89E-03	4.42E-04	8.57E-03	4.11E-04	7.58E-09	5.19E-05	1.21E-05	4.75E-04
2516	497564.44	3858201.52	9.10E-04	9.18E-09	5.16E-05	1.20E-05	9.74E-04	4.29E-04	3.78E-03	3.87E-03	4.40E-04	8.52E-03	4.08E-04	7.53E-09	5.16E-05	1.20E-05	4.72E-04
2517	497614.44	3858201.52	9.08E-04	9.17E-09	5.17E-05	1.20E-05	9.72E-04	4.28E-04	3.78E-03	3.87E-03	4.40E-04	8.52E-03	4.07E-04	7.53E-09	5.17E-05	1.20E-05	4.71E-04
2518	497364.44	3858251.52	9.00E-04	9.17E-09	5.35E-05	1.21E-05	9.66E-04	4.25E-04	3.78E-03	4.01E-03	4.42E-04	8.66E-03	4.04E-04	7.52E-09	5.35E-05	1.21E-05	4.69E-04
2519	497414.44	3858251.52	9.22E-04	9.27E-09	5.37E-05	1.20E-05	9.88E-04	4.35E-04	3.82E-03	4.03E-03	4.41E-04	8.72E-03	4.14E-04	7.61E-09	5.37E-05	1.20E-05	4.79E-04
2520	497464.44	3858251.52	9.11E-04	9.22E-09	5.33E-05	1.20E-05	9.76E-04	4.30E-04	3.80E-03	4.00E-03	4.39E-04	8.67E-03	4.09E-04	7.56E-09	5.33E-05	1.20E-05	4.74E-04
2521	497514.44	3858251.52	9.06E-04	9.15E-09	5.31E-05	1.19E-05	9.71E-04	4.27E-04	3.77E-03	3.98E-03	4.37E-04	8.62E-03	4.06E-04	7.51E-09	5.31E-05	1.19E-05	4.71E-04
2522	497564.44	3858251.52	9.06E-04	9.11E-09	5.30E-05	1.19E-05	9.71E-04	4.27E-04	3.75E-03	3.97E-03	4.36E-04	8.59E-03	4.06E-04	7.48E-09	5.30E-05	1.19E-05	4.71E-04
2523	497614.44	3858251.52	9.07E-04	9.06E-09	5.28E-05	1.19E-05	9.71E-04	4.28E-04	3.73E-03	3.96E-03	4.35E-04	8.56E-03	4.07E-04	7.44E-09	5.28E-05	1.19E-05	4.71E-04
2524	497364.44	3858301.52	9.15E-04	9.23E-09	5.37E-05	1.20E-05	9.81E-04	4.32E-04	3.80E-03	4.03E-03	4.41E-04	8.70E-03	4.10E-04	7.57E-09	5.37E-05	1.20E-05	4.76E-04
2525	497414.44	3858301.52	9.36E-04	9.36E-09	5.44E-05	1.21E-05	1.00E-03	4.41E-04	3.86E-03	4.08E-03	4.43E-04	8.82E-03	4.20E-04	7.68E-09	5.44E-05	1.21E-05	4.86E-04
2526	497464.44	3858301.52	9.18E-04	9.25E-09	5.36E-05	1.20E-05	9.84E-04	4.33E-04	3.81E-03	4.02E-03	4.42E-04	8.70E-03	4.12E-04	7.59E-09	5.36E-05	1.20E-05	4.77E-04
2527	497514.44	3858301.52	9.07E-04	9.16E-09	5.33E-05	1.20E-05	9.73E-04	4.28E-04	3.77E-03	4.00E-03	4.41E-04	8.64E-03	4.07E-04	7.52E-09	5.33E-05	1.20E-05	4.72E-04
2528	497564.44	3858301.52	8.95E-04	9.05E-09	5.27E-05	1.20E-05	9.60E-04	4.22E-04	3.73E-03	3.96E-03	4.39E-04	8.54E-03	4.01E-04	7.42E-09	5.27E-05	1.20E-05	4.66E-04
2529	497614.44	3858301.52	8.94E-04	8.99E-09	5.25E-05	1.20E-05	9.59E-04	4.22E-04	3.71E-03	3.94E-03	4.39E-04	8.50E-03	4.01E-04	7.38E-09	5.25E-05	1.20E-05	4.66E-04
2530	497364.44	3858351.52	9.46E-04	9.39E-09	5.44E-05	1.22E-05	1.01E-03	4.46E-04	3.87E-03	4.08E-03	4.48E-04	8.84E-03	4.24E-04	7.70E-09	5.44E-05	1.22E-05	4.91E-04
2531	497414.44	3858351.52	9.38E-04	9.30E-09	5.40E-05	1.22E-05	1.00E-03	4.43E-04	3.83E-03	4.05E-03	4.47E-04	8.77E-03	4.21E-04	7.63E-09	5.40E-05	1.22E-05	4.87E-04
2532	497464.44	3858351.52	9.36E-04	9.25E-09	5.38E-05	1.22E-05	1.00E-03	4.42E-04	3.81E-03	4.04E-03	4.47E-04	8.74E-03	4.20E-04	7.59E-09	5.38E-05	1.22E-05	4.86E-04
2533	497514.44	3858351.52	9.30E-04	9.18E-09	5.35E-05	1.22E-05	9.96E-04	4.39E-04	3.78E-03	4.02E-03	4.47E-04	8.68E-03	4.17E-04	7.53E-09	5.35E-05	1.22E-05	4.83E-04
2534	497564.44	3858351.52	9.12E-04	9.04E-09	5.28E-05	1.21E-05	9.77E-04	4.30E-04	3.72E-03	3.96E-03	4.44E-04	8.56E-03	4.09E-04	7.42E-09	5.28E-05	1.21E-05	4.74E-04
2535	497614.44	3858351.52	9.08E-04	9.02E-09	5.26E-05	1.21E-05	9.73E-04	4.28E-04	3.72E-03	3.95E-03	4.44E-04	8.53E-03	4.07E-04	7.40E-09	5.26E-05	1.21E-05	4.72E-04
2536	497364.44	3858401.52	9.55E-04	9.32E-09	5.37E-05	1.24E-05	1.02E-03	4.51E-04	3.84E-03	4.03E-03	4.54E-04	8.77E-03	4.28E-04	7.65E-09	5.37E-05	1.24E-05	4.95E-04
2537	497414.44	3858401.52	9.51E-04	9.35E-09	5.32E-05	1.23E-05	1.02E-03	4.49E-04	3.85E-03	3.99E-03	4.52E-04	8.75E-03	4.27E-04	7.67E-09	5.32E-05	1.23E-05	4.92E-04
2538	497464.44	3858401.52	9.45E-04	9.30E-09	5.29E-05	1.23E-05	1.01E-03	4.45E-04	3.83E-03	3.97E-03	4.51E-04	8.69E-03	4.24E-04	7.63E-09	5.29E-05	1.23E-05	4.89E-04
2539	497514.44	3858401.52	9.41E-04	9.30E-09	5.27E-05	1.23E-05	1.01E-03	4.44E-04	3.83E-03	3.95E-03	4.50E-04	8.68E-03	4.22E-04	7.63E-09	5.27E-05	1.23E-05	4.87E-04
2540	497564.44	3858401.52	9.50E-04	9.38E-09	5.42E-05	1.24E-05	1.02E-03	4.48E-04	3.87E-03	4.07E-03	4.54E-04	8.83E-03	4.26E-04	7.70E-09	5.42E-05	1.24E-05	4.93E-04
2541	497614.44	3858401.52	9.74E-04	9.46E-09	5.58E-05	1.25E-05	1.04E-03	4.59E-04	3.90E-03	4.18E-03	4.60E-04	9.00E-03	4.37E-04	7.76E-09	5.58E-05	1.25E-05	5.05E-04
2542	493478.11	3860497.94	2.72E-03	6.37E-08	6.58E-05	1.86E-05	2.81E-03	1.28E-03	2.62E-02	4.94E-03	6.83E-04	3.31E-02	1.22E-03	5.22E-08	6.58E-05	1.86E-05	1.31E-03
2543	493528.11	3860497.94	2.71E-03	6.32E-08	6.52E-05	1.86E-05	2.80E-03	1.28E-03	2.60E-02	4.89E-03	6.83E-04	3.29E-02	1.22E-03	5.18E-08	6.52E-05	1.86E-05	1.30E-03
2544	493478.11	3860547.94	2.59E-03	6.26E-08	6.44E-05	1.82E-05	2.68E-03	1.22E-03	2.58E-02	4.83E-03	6.68E-04	3.25E-02	1.16E-03	5.13E-08	6.44E-05	1.82E-05	1.25E-03
2545	493528.11	3860547.94	2.66E-03	6.18E-08	6.61E-05	1.82E-05	2.75E-03	1.26E-03	2.54E-02	4.96E-03	6.68E-04	3.23E-02	1.19E-03	5.07E-08	6.61E-05	1.82E-05	1.28E-03
2546	493478.11	3860597.94	2.42E-03	6.09E-08	6.23E-05	1.72E-05	2.50E-03	1.14E-03	2.51E-02	4.68E-03	6.31E-04	3.15E-02	1.08E-03	5.00E-08	6.23E-05	1.72E-05	1.16E-03
2547	493528.11	3860597.94	2.48E-03	6.07E-08	6.12E-05	1.73E-05	2.55E-03	1.17E-03	2.50E-02	4.59E-03	6.33E-04	3.14E-02	1.11E-03	4.99E-08	6.12E-05	1.73E-05	1.19E-03
2548	493561.88	3860524.64	2.68E-03	6.19E-08	6.33E-05	1.84E-05	2.76E-03	1.27E-03	2.55E-02	4.75E-03	6.75E-04	3.22E-02	1.20E-03	5.08E-08	6.33E-05	1.84E-05	1.28E-03
2549	493591.88	3860524.64	2.68E-03	6.16E-08	6.45E-05	1.84E-05	2.76E-03	1.26E-03	2.54E-02	4.84E-03	6.74E-04	3.21E-02	1.20E-03	5.05E-08	6.45E-05	1.84E-05	1.29E-03
2550	493561.88	3860554.64	2.65E-03	6.14E-08	6.61E-05	1.82E-05	2.74E-03	1.25E-03	2.53E-02	4.96E-03	6.66E-04	3.22E-02	1.19E-03	5.04E-08	6.61E-05	1.82E-05	1.27E-03
2551	493591.88	3860554.64	2.65E-03	6.10E-08	6.45E-05	1.81E-05	2.74E-03	1.25E-03	2.51E-02	4.84E-03	6.65E-04	3.19E-02	1.19E-03	5.00E-08	6.45E-05	1.81E-05	1.27E-03
2552	492880.5	3860293.11	2.74E-03	7.42E-08	7.00E-05	2.07E-05	2.83E-03	1.29E-03	3.06E-02	5.25E-03	7.58E-04	3.79E-02	1.23E-03	6.09E-08	7.00E-05	2.07E-05	1.32E-03
2553	492930.5	3860293.11	2.70E-03	7.29E-08	7.21E-05	2.04E-05	2.80E-03	1.27E-03	3.00E-02	5.40E-03	7.47E-04	3.75E-02	1.21E-03	5.98E-08	7.21E-05	2.04E-05	1.30E-03
2554	492980.5	3860293.11	2.80E-03	7.16E-08	7.61E-05	2.01E-05	2.90E-03	1.32E-03	2.95E-02	5.71E-03	7.37E-04	3.72E-02	1.26E-03	5.87E-08	7.61E-05	2.01E-05	1.35E-03
2555	493030.5	3860293.11	2.92E-03	6.92E-08	7.29E-05	1.99E-05	3.01E-03	1.38E-03	2.85E-02	5.47E-03	7.30E-04	3.61E-02	1.31E-03	5.68E-08	7.29E-05	1.99E-05	1.40E-03
2556	493080.5	3860293.11	3.02E-03	6.70E-08	6.92E-05	1.97E-05	3.11E-03	1.43E-03	2.76E-02	5.19E-03	7.23E-04	3.49E-02	1.36E-03	5.50E-08	6.92E-05	1.97E-05	1.45E-03
2557	493130.5	3860293.11	3.00E-03	6.76E-08	7.55E-05	1.97E-05	3.10E-03	1.42E-03	2.78E-02	5.66E-03	7.24E-04	3.56E-02	1.35E-03	5.55E-08	7.55E-05	1.97E-05	1.44E-03
2558	493180.5	3860293.11	2.98E-03	6.76E-08	8.15E-05	1.97E-05	3.08E-03	1.41E-03	2.79E-02	6.11E-03	7.24E-04	3.61E-02	1.34E-03	5.55E-08	8.15E-05	1.97E-05	1.44E-03

2559	493230.5	3860293.11	2.86E-03	6.71E-08	8.54E-05	1.97E-05	2.97E-03	1.35E-03	2.77E-02	6.41E-03	7.22E-04	3.61E-02	1.28E-03	5.51E-08	8.54E-05	1.97E-05	1.39E-03
2560	493280.5	3860293.11	2.93E-03	6.60E-08	8.70E-05	1.96E-05	3.04E-03	1.38E-03	2.72E-02	6.53E-03	7.17E-04	3.58E-02	1.32E-03	5.42E-08	8.70E-05	1.96E-05	1.42E-03
2561	493330.5	3860293.11	2.96E-03	6.51E-08	8.91E-05	1.95E-05	3.07E-03	1.40E-03	2.68E-02	6.68E-03	7.14E-04	3.56E-02	1.33E-03	5.34E-08	8.91E-05	1.95E-05	1.44E-03
2562	493380.5	3860293.11	3.05E-03	6.44E-08	9.00E-05	1.94E-05	3.16E-03	1.44E-03	2.65E-02	6.75E-03	7.11E-04	3.54E-02	1.37E-03	5.28E-08	9.00E-05	1.94E-05	1.48E-03
2563	492880.5	3860343.11	2.68E-03	7.45E-08	6.71E-05	2.04E-05	2.77E-03	1.27E-03	3.07E-02	5.04E-03	7.49E-04	3.78E-02	1.20E-03	6.12E-08	6.71E-05	2.04E-05	1.29E-03
2564	492930.5	3860343.11	2.73E-03	7.34E-08	6.64E-05	2.02E-05	2.81E-03	1.29E-03	3.02E-02	4.98E-03	7.39E-04	3.73E-02	1.22E-03	6.03E-08	6.64E-05	2.02E-05	1.31E-03
2565	492980.5	3860343.11	2.70E-03	7.13E-08	7.26E-05	1.99E-05	2.80E-03	1.28E-03	2.94E-02	5.44E-03	7.29E-04	3.68E-02	1.21E-03	5.85E-08	7.26E-05	1.99E-05	1.31E-03
2566	493030.5	3860343.11	2.69E-03	7.03E-08	7.30E-05	1.98E-05	2.79E-03	1.27E-03	2.89E-02	5.47E-03	7.27E-04	3.64E-02	1.21E-03	5.77E-08	7.30E-05	1.98E-05	1.30E-03
2567	493080.5	3860343.11	2.81E-03	6.80E-08	7.50E-05	1.97E-05	2.91E-03	1.33E-03	2.80E-02	5.62E-03	7.21E-04	3.57E-02	1.26E-03	5.58E-08	7.50E-05	1.97E-05	1.36E-03
2568	493130.5	3860343.11	2.89E-03	6.77E-08	7.19E-05	1.96E-05	2.98E-03	1.36E-03	2.79E-02	5.39E-03	7.20E-04	3.54E-02	1.30E-03	5.56E-08	7.19E-05	1.96E-05	1.39E-03
2569	493180.5	3860343.11	2.92E-03	6.78E-08	7.24E-05	1.97E-05	3.02E-03	1.38E-03	2.79E-02	5.43E-03	7.21E-04	3.54E-02	1.31E-03	5.56E-08	7.24E-05	1.97E-05	1.40E-03
2570	493230.5	3860343.11	2.92E-03	6.73E-08	7.60E-05	1.96E-05	3.01E-03	1.38E-03	2.77E-02	5.70E-03	7.19E-04	3.55E-02	1.31E-03	5.52E-08	7.60E-05	1.96E-05	1.40E-03
2571	493280.5	3860343.11	2.91E-03	6.64E-08	7.94E-05	1.95E-05	3.01E-03	1.37E-03	2.74E-02	5.96E-03	7.15E-04	3.54E-02	1.31E-03	5.45E-08	7.94E-05	1.95E-05	1.41E-03
2572	493330.5	3860343.11	2.83E-03	6.56E-08	8.18E-05	1.94E-05	2.93E-03	1.33E-03	2.70E-02	6.13E-03	7.12E-04	3.52E-02	1.27E-03	5.38E-08	8.18E-05	1.94E-05	1.37E-03
2573	493380.5	3860343.11	2.88E-03	6.50E-08	8.49E-05	1.94E-05	2.99E-03	1.36E-03	2.68E-02	6.37E-03	7.10E-04	3.52E-02	1.29E-03	5.33E-08	8.49E-05	1.94E-05	1.40E-03
2574	492880.5	3860393.11	2.61E-03	7.42E-08	6.73E-05	2.02E-05	2.70E-03	1.23E-03	3.06E-02	5.05E-03	7.39E-04	3.76E-02	1.17E-03	6.09E-08	6.73E-05	2.02E-05	1.26E-03
2575	492930.5	3860393.11	2.61E-03	7.34E-08	6.68E-05	1.99E-05	2.70E-03	1.23E-03	3.02E-02	5.01E-03	7.30E-04	3.72E-02	1.17E-03	6.02E-08	6.68E-05	1.99E-05	1.26E-03
2576	492980.5	3860393.11	2.67E-03	7.21E-08	6.64E-05	1.97E-05	2.76E-03	1.26E-03	2.97E-02	4.98E-03	7.22E-04	3.67E-02	1.20E-03	5.92E-08	6.64E-05	1.97E-05	1.28E-03
2577	493030.5	3860393.11	2.69E-03	7.09E-08	6.82E-05	1.96E-05	2.78E-03	1.27E-03	2.92E-02	5.11E-03	7.19E-04	3.63E-02	1.21E-03	5.82E-08	6.82E-05	1.96E-05	1.30E-03
2578	493080.5	3860393.11	2.66E-03	6.87E-08	7.22E-05	1.95E-05	2.75E-03	1.26E-03	2.83E-02	5.41E-03	7.13E-04	3.57E-02	1.19E-03	5.64E-08	7.22E-05	1.95E-05	1.29E-03
2579	493130.5	3860393.11	2.67E-03	6.84E-08	7.14E-05	1.95E-05	2.76E-03	1.26E-03	2.82E-02	5.36E-03	7.14E-04	3.55E-02	1.20E-03	5.61E-08	7.14E-05	1.95E-05	1.29E-03
2580	493180.5	3860393.11	2.74E-03	6.82E-08	7.23E-05	1.95E-05	2.83E-03	1.29E-03	2.81E-02	5.43E-03	7.15E-04	3.55E-02	1.23E-03	5.59E-08	7.23E-05	1.95E-05	1.32E-03
2581	493230.5	3860393.11	2.82E-03	6.72E-08	7.07E-05	1.94E-05	2.91E-03	1.33E-03	2.77E-02	5.30E-03	7.13E-04	3.50E-02	1.26E-03	5.52E-08	7.07E-05	1.94E-05	1.35E-03
2582	493280.5	3860393.11	2.87E-03	6.64E-08	7.08E-05	1.93E-05	2.96E-03	1.35E-03	2.74E-02	5.31E-03	7.09E-04	3.47E-02	1.29E-03	5.45E-08	7.08E-05	1.93E-05	1.38E-03
2583	493330.5	3860393.11	2.87E-03	6.57E-08	7.42E-05	1.93E-05	2.96E-03	1.35E-03	2.71E-02	5.56E-03	7.06E-04	3.47E-02	1.29E-03	5.39E-08	7.42E-05	1.93E-05	1.38E-03
2584	493380.5	3860393.11	2.82E-03	6.52E-08	7.73E-05	1.92E-05	2.92E-03	1.33E-03	2.69E-02	5.80E-03	7.04E-04	3.47E-02	1.27E-03	5.35E-08	7.73E-05	1.92E-05	1.36E-03
2585	492880.5	3860443.11	2.56E-03	7.25E-08	6.85E-05	1.99E-05	2.65E-03	1.21E-03	2.99E-02	5.14E-03	7.30E-04	3.70E-02	1.15E-03	5.95E-08	6.85E-05	1.99E-05	1.24E-03
2586	492930.5	3860443.11	2.57E-03	7.19E-08	6.68E-05	1.97E-05	2.66E-03	1.21E-03	2.96E-02	5.01E-03	7.21E-04	3.66E-02	1.15E-03	5.90E-08	6.68E-05	1.97E-05	1.24E-03
2587	492980.5	3860443.11	2.58E-03	7.12E-08	6.64E-05	1.94E-05	2.67E-03	1.22E-03	2.93E-02	4.98E-03	7.12E-04	3.62E-02	1.16E-03	5.84E-08	6.64E-05	1.94E-05	1.24E-03
2588	493030.5	3860443.11	2.58E-03	7.10E-08	6.60E-05	1.93E-05	2.67E-03	1.22E-03	2.93E-02	4.95E-03	7.07E-04	3.61E-02	1.16E-03	5.83E-08	6.60E-05	1.93E-05	1.24E-03
2589	493080.5	3860443.11	2.64E-03	7.01E-08	6.53E-05	1.92E-05	2.73E-03	1.25E-03	2.89E-02	4.90E-03	7.06E-04	3.57E-02	1.19E-03	5.75E-08	6.53E-05	1.92E-05	1.27E-03
2590	493130.5	3860443.11	2.63E-03	6.91E-08	6.57E-05	1.92E-05	2.72E-03	1.24E-03	2.85E-02	4.93E-03	7.04E-04	3.53E-02	1.18E-03	5.67E-08	6.57E-05	1.92E-05	1.27E-03
2591	493180.5	3860443.11	2.57E-03	6.84E-08	6.75E-05	1.92E-05	2.66E-03	1.21E-03	2.82E-02	5.06E-03	7.05E-04	3.52E-02	1.15E-03	5.62E-08	6.75E-05	1.92E-05	1.24E-03
2592	493230.5	3860443.11	2.62E-03	6.73E-08	6.79E-05	1.91E-05	2.70E-03	1.23E-03	2.77E-02	5.09E-03	7.02E-04	3.47E-02	1.17E-03	5.52E-08	6.79E-05	1.91E-05	1.26E-03
2593	493280.5	3860443.11	2.71E-03	6.62E-08	7.09E-05	1.91E-05	2.80E-03	1.28E-03	2.73E-02	5.32E-03	7.00E-04	3.46E-02	1.22E-03	5.43E-08	7.09E-05	1.91E-05	1.31E-03
2594	493330.5	3860443.11	2.80E-03	6.54E-08	7.03E-05	1.90E-05	2.89E-03	1.32E-03	2.69E-02	5.27E-03	6.96E-04	3.42E-02	1.26E-03	5.37E-08	7.03E-05	1.90E-05	1.35E-03
2595	493380.5	3860443.11	2.81E-03	6.51E-08	6.88E-05	1.90E-05	2.90E-03	1.33E-03	2.68E-02	5.16E-03	6.96E-04	3.40E-02	1.26E-03	5.34E-08	6.88E-05	1.90E-05	1.35E-03
2596	493180.5	3860493.11	2.60E-03	6.72E-08	6.40E-05	1.88E-05	2.69E-03	1.23E-03	2.77E-02	4.80E-03	6.90E-04	3.44E-02	1.17E-03	5.51E-08	6.40E-05	1.88E-05	1.25E-03
2597	493230.5	3860493.11	2.58E-03	6.66E-08	6.35E-05	1.88E-05	2.66E-03	1.22E-03	2.74E-02	4.76E-03	6.88E-04	3.41E-02	1.16E-03	5.46E-08	6.35E-05	1.88E-05	1.24E-03
2598	493280.5	3860493.11	2.53E-03	6.59E-08	6.76E-05	1.87E-05	2.62E-03	1.19E-03	2.72E-02	5.07E-03	6.86E-04	3.41E-02	1.14E-03	5.41E-08	6.76E-05	1.87E-05	1.22E-03
2599	493330.5	3860493.11	2.59E-03	6.51E-08	6.65E-05	1.87E-05	2.68E-03	1.22E-03	2.68E-02	4.99E-03	6.84E-04	3.37E-02	1.16E-03	5.34E-08	6.65E-05	1.87E-05	1.25E-03
2600	493380.5	3860493.11	2.67E-03	6.44E-08	6.85E-05	1.87E-05	2.76E-03	1.26E-03	2.65E-02	5.14E-03	6.84E-04	3.36E-02	1.20E-03	5.29E-08	6.85E-05	1.87E-05	1.28E-03
2601	493330.5	3860543.11	2.53E-03	6.35E-08	6.32E-05	1.82E-05	2.61E-03	1.19E-03	2.61E-02	4.74E-03	6.66E-04	3.27E-02	1.14E-03	5.21E-08	6.32E-05	1.82E-05	1.22E-03
2602	493380.5	3860543.11	2.47E-03	6.32E-08	6.58E-05	1.82E-05	2.56E-03	1.17E-03	2.60E-02	4.94E-03	6.68E-04	3.28E-02	1.11E-03	5.19E-08	6.58E-05	1.82E-05	1.19E-03
2603	494135.94	3860876.85	2.31E-03	5.00E-08	5.39E-05	1.62E-05	2.38E-03	1.09E-03	2.06E-02	4.04E-03	5.93E-04	2.63E-02	1.04E-03	4.10E-08	5.39E-05	1.62E-05	1.11E-03
2604	494185.94	3860876.85	2.31E-03	4.97E-08	5.37E-05	1.63E-05	2.38E-03	1.09E-03	2.05E-02	4.02E-03	5.99E-04	2.62E-02	1.04E-03	4.07E-08	5.37E-05	1.63E-05	1.11E-03
2605	494135.94	3860926.85	2.19E-03	5.01E-08	5.42E-05	1.57E-05	2.26E-03	1.03E-03	2.06E-02	4.07E-03	5.76E-04	2.63E-02	9.82E-04	4.11E-08	5.42E-05	1.57E-05	1.05E-03
2606	494185.94	3860926.85	2.26E-03	4.94E-08	5.36E-05	1.57E-05	2.33E-03	1.06E-03	2.03E-02	4.02E-03	5.76E-04	2.60E-02	1.01E-03	4.05E-08	5.36E-05	1.57E-05	1.08E-03
2607	494135.94	3860976.85	2.13E-03	5.02E-08	5.45E-05	1.56E-05	2.20E-03	1.01E-03	2.07E-02	4.08E-03	5.74E-04	2.63E-02	9.56E-04	4.12E-08	5.45E-05	1.56E-05	1.03E-03
2608	494185.94	3860976.85	2.10E-03	4.98E-08	5.39E-05	1.57E-05	2.16E-03	9.88E-04	2.05E-02	4.05E-03	5.75E-04	2.61E-02	9.40E-04	4.09E-08	5.39E-05	1.57E-05	1.01E-03
2609	494135.94	3861026.85	2.14E-03	4.95E-08	5.52E-05	1.55E-05	2.21E-03	1.01E-03	2.04E-02	4.14E-03	5.69E-04	2.61E-02	9.59E-04	4.06E-08	5.52E-05	1.55E-05	1.03E-03
2610	494185.94	3861026.85	2.13E-03	4.90E-08	5.41E-05	1.56E-05	2.20E-03	1.01E-03	2.02E-02	4.06E-03	5.70E-04	2.58E-02	9.56E-04	4.02E-08	5.41E-05	1.56E-05	1.03E-03
2611	494135.94	3861076.85	2.08E-03	4.94E-08	5.56E-05	1.58E-05	2.15E-03	9.82E-04	2.03E-02	4.17E-03	5.79E-04	2.61E-02	9.34E-04	4.05E-08	5.56E-05	1.58E-05	1.01E-03
2612	494185.94	3861076.85	2.07E-03	4.91E-08	5.75E-05	1.56E-05	2.14E-03	9.76E-04	2.02E-02	4.31E-03	5.72E-04	2.61E-02	9.28E-04	4.03E-08	5.75E-05	1.56E-05	1.00E-03
2613	490360.04	3858710.04	6.13E-03	1.12E-07	1.21E-04	2.31E-05	6.27E-03	2.89E-03	4.60E-02	9.04E-03	8.47E-04	5.88E-02	2.75E-03	9.16E-08	1.21E-04	2.31E-05	2.89E-03
2614	490410.04	3858710.04	6.14E-03	1.06E-07	1.21E-04	2.32E-05	6.28E-03	2.90E-03	4.38E-02	9.06E-03	8.51E-04	5.67E-02	2.75E-03	8.73E-08	1.21E-04	2.32E-05	2.90E-03
2615	490460.04	3858710.04	6.29E-03	9.98E-08	1.22E-04	2.34E-05	6.44E-03	2.97E-03	4.11E-02	9.12E-03	8.60E-04	5.40E-02	2.82E-03	8.19E-08	1.22E-04	2.34E-05	2.97E-03
2616	490510.04	3858710.04	6.44E-03	9.61E-08	1.23E-04	2.31E-05	6.59E-03	3.04E-03	3.96E-02	9.23E-03	8.46E-04	5.27E-02	2.89E-03	7.88E-08	1.23E-04	2.31E-05	3.03E-03
2617	490560.04	3858710.04	6.51E-03	9.37E-08	1.24E-04	2.32E-05	6.66E-03	3.07E-03	3.86E-02	9.27E-03	8.52E-04	5.18E-02	2.92E-03	7.69E-08	1.24E-04	2.32E-05	3.07E-03
2618	490610.04	3858710.04	6.55E-03	9.11E-08	1.22E-04	2.32E-05	6.69E-03	3.09E-03	3.75E-02	9.15E-03	8.50E-04	5.06E-02	2.94E-03	7.48E-08	1.22E-04	2.32E-05	3.08E-03
2619	490660.04	3858710.04	6.54E-03	9.00E-08	1.23E-04	2.35E-05	6.69E-03	3.08E-03	3.71E-02	9.19E-03	8.63E-04	5.02E-02	2.93E-03	7.38E-08	1.23E-04	2.35E-05	3.08E-03

2620	490710.04	3858710.04	6.52E-03	8.63E-08	1.22E-04	2.41E-05	6.67E-03	3.08E-03	3.56E-02	9.12E-03	8.85E-04	4.86E-02	2.93E-03	7.08E-08	1.22E-04	2.41E-05	3.07E-03
2621	490760.04	3858710.04	6.48E-03	8.37E-08	1.20E-04	2.47E-05	6.62E-03	3.05E-03	3.45E-02	8.99E-03	9.06E-04	4.74E-02	2.90E-03	6.87E-08	1.20E-04	2.47E-05	3.05E-03
2622	490810.04	3858710.04	6.40E-03	8.12E-08	1.21E-04	2.47E-05	6.55E-03	3.02E-03	3.34E-02	9.08E-03	9.07E-04	4.64E-02	2.87E-03	6.66E-08	1.21E-04	2.47E-05	3.02E-03
2623	490860.04	3858710.04	6.32E-03	7.79E-08	1.23E-04	2.55E-05	6.46E-03	2.98E-03	3.21E-02	9.20E-03	9.35E-04	4.52E-02	2.83E-03	6.39E-08	1.23E-04	2.55E-05	2.98E-03
2624	490360.04	3858760.04	5.93E-03	1.11E-07	1.15E-04	2.29E-05	6.07E-03	2.80E-03	4.58E-02	8.63E-03	8.40E-04	5.80E-02	2.66E-03	9.12E-08	1.15E-04	2.29E-05	2.80E-03
2625	490410.04	3858760.04	6.00E-03	1.07E-07	1.16E-04	2.32E-05	6.14E-03	2.83E-03	4.41E-02	8.68E-03	8.49E-04	5.65E-02	2.69E-03	8.79E-08	1.16E-04	2.32E-05	2.83E-03
2626	490460.04	3858760.04	6.04E-03	1.03E-07	1.19E-04	2.33E-05	6.18E-03	2.85E-03	4.23E-02	8.89E-03	8.56E-04	5.49E-02	2.71E-03	8.43E-08	1.19E-04	2.33E-05	2.85E-03
2627	490510.04	3858760.04	6.05E-03	9.82E-08	1.21E-04	2.36E-05	6.19E-03	2.85E-03	4.05E-02	9.10E-03	8.64E-04	5.33E-02	2.71E-03	8.06E-08	1.21E-04	2.36E-05	2.86E-03
2628	490560.04	3858760.04	6.15E-03	9.49E-08	1.22E-04	2.35E-05	6.30E-03	2.90E-03	3.91E-02	9.17E-03	8.62E-04	5.20E-02	2.76E-03	7.79E-08	1.22E-04	2.35E-05	2.90E-03
2629	490610.04	3858760.04	6.30E-03	9.13E-08	1.21E-04	2.40E-05	6.44E-03	2.97E-03	3.76E-02	9.10E-03	8.81E-04	5.06E-02	2.82E-03	7.49E-08	1.21E-04	2.40E-05	2.97E-03
2630	490660.04	3858760.04	6.40E-03	8.81E-08	1.20E-04	2.42E-05	6.54E-03	3.02E-03	3.63E-02	9.00E-03	8.89E-04	4.92E-02	2.87E-03	7.23E-08	1.20E-04	2.42E-05	3.01E-03
2631	490710.04	3858760.04	6.40E-03	8.54E-08	1.21E-04	2.45E-05	6.55E-03	3.02E-03	3.52E-02	9.09E-03	8.97E-04	4.82E-02	2.87E-03	7.01E-08	1.21E-04	2.45E-05	3.02E-03
2632	490760.04	3858760.04	6.44E-03	8.24E-08	1.20E-04	2.55E-05	6.58E-03	3.04E-03	3.40E-02	9.03E-03	9.34E-04	4.70E-02	2.89E-03	6.76E-08	1.20E-04	2.55E-05	3.03E-03
2633	490810.04	3858760.04	6.41E-03	7.97E-08	1.18E-04	2.63E-05	6.56E-03	3.03E-03	3.28E-02	8.85E-03	9.65E-04	4.57E-02	2.88E-03	6.54E-08	1.18E-04	2.63E-05	3.02E-03
2634	490860.04	3858760.04	6.37E-03	7.73E-08	1.18E-04	2.78E-05	6.51E-03	3.00E-03	3.19E-02	8.86E-03	1.02E-03	4.47E-02	2.85E-03	6.35E-08	1.18E-04	2.78E-05	3.00E-03
2635	490360.04	3858810.04	5.65E-03	1.13E-07	1.17E-04	2.35E-05	5.80E-03	2.67E-03	4.65E-02	8.81E-03	8.63E-04	5.89E-02	2.54E-03	9.27E-08	1.17E-04	2.35E-05	2.68E-03
2636	490410.04	3858810.04	5.77E-03	1.08E-07	1.17E-04	2.36E-05	5.91E-03	2.72E-03	4.46E-02	8.80E-03	8.65E-04	5.70E-02	2.59E-03	8.89E-08	1.17E-04	2.36E-05	2.73E-03
2637	490460.04	3858810.04	5.86E-03	1.04E-07	1.18E-04	2.25E-05	6.00E-03	2.76E-03	4.27E-02	8.81E-03	8.24E-04	5.51E-02	2.63E-03	8.51E-08	1.18E-04	2.25E-05	2.77E-03
2638	490510.04	3858810.04	5.91E-03	1.00E-07	1.17E-04	2.31E-05	6.05E-03	2.79E-03	4.13E-02	8.80E-03	8.47E-04	5.37E-02	2.65E-03	8.23E-08	1.17E-04	2.31E-05	2.79E-03
2639	490560.04	3858810.04	5.88E-03	9.66E-08	1.16E-04	2.43E-05	6.03E-03	2.78E-03	3.98E-02	8.73E-03	8.90E-04	5.22E-02	2.64E-03	7.93E-08	1.16E-04	2.43E-05	2.78E-03
2640	490610.04	3858810.04	5.94E-03	9.16E-08	1.16E-04	2.48E-05	6.08E-03	2.80E-03	3.77E-02	8.70E-03	9.10E-04	5.01E-02	2.66E-03	7.52E-08	1.16E-04	2.48E-05	2.80E-03
2641	490660.04	3858810.04	6.01E-03	8.83E-08	1.16E-04	2.52E-05	6.15E-03	2.83E-03	3.64E-02	8.72E-03	9.24E-04	4.88E-02	2.70E-03	7.24E-08	1.16E-04	2.52E-05	2.84E-03
2642	490710.04	3858810.04	6.15E-03	8.51E-08	1.16E-04	2.58E-05	6.29E-03	2.90E-03	3.51E-02	8.70E-03	9.47E-04	4.76E-02	2.76E-03	6.99E-08	1.16E-04	2.58E-05	2.90E-03
2643	490760.04	3858810.04	6.27E-03	8.11E-08	1.15E-04	2.68E-05	6.41E-03	2.96E-03	3.34E-02	8.65E-03	9.81E-04	4.60E-02	2.81E-03	6.65E-08	1.15E-04	2.68E-05	2.95E-03
2644	490810.04	3858810.04	6.24E-03	7.95E-08	1.14E-04	2.66E-05	6.38E-03	2.94E-03	3.27E-02	8.56E-03	9.75E-04	4.52E-02	2.80E-03	6.52E-08	1.14E-04	2.66E-05	2.94E-03
2645	490860.04	3858810.04	6.31E-03	7.58E-08	1.15E-04	2.67E-05	6.46E-03	2.98E-03	3.12E-02	8.65E-03	9.80E-04	4.39E-02	2.83E-03	6.22E-08	1.15E-04	2.67E-05	2.97E-03
2646	490360.04	3858860.04	5.46E-03	1.12E-07	1.14E-04	2.39E-05	5.59E-03	2.57E-03	4.63E-02	8.57E-03	8.76E-04	5.83E-02	2.45E-03	9.22E-08	1.14E-04	2.39E-05	2.59E-03
2647	490410.04	3858860.04	5.52E-03	1.10E-07	1.18E-04	2.28E-05	5.66E-03	2.60E-03	4.52E-02	8.86E-03	8.36E-04	5.75E-02	2.47E-03	9.00E-08	1.18E-04	2.28E-05	2.61E-03
2648	490460.04	3858860.04	5.58E-03	1.05E-07	1.19E-04	2.38E-05	5.72E-03	2.63E-03	4.31E-02	8.94E-03	8.73E-04	5.56E-02	2.50E-03	8.59E-08	1.19E-04	2.38E-05	2.65E-03
2649	490510.04	3858860.04	5.67E-03	1.02E-07	1.20E-04	2.42E-05	5.82E-03	2.68E-03	4.22E-02	8.99E-03	8.88E-04	5.48E-02	2.54E-03	8.41E-08	1.20E-04	2.42E-05	2.69E-03
2650	490560.04	3858860.04	5.75E-03	9.85E-08	1.20E-04	2.55E-05	5.90E-03	2.71E-03	4.06E-02	8.98E-03	9.35E-04	5.32E-02	2.58E-03	8.08E-08	1.20E-04	2.55E-05	2.72E-03
2651	490610.04	3858860.04	5.81E-03	9.19E-08	1.19E-04	2.56E-05	5.95E-03	2.74E-03	3.79E-02	8.92E-03	9.38E-04	5.05E-02	2.60E-03	7.54E-08	1.19E-04	2.56E-05	2.75E-03
2652	490660.04	3858860.04	5.73E-03	8.82E-08	1.18E-04	2.63E-05	5.88E-03	2.70E-03	3.63E-02	8.82E-03	9.66E-04	4.88E-02	2.57E-03	7.23E-08	1.18E-04	2.63E-05	2.71E-03
2653	490710.04	3858860.04	5.82E-03	8.62E-08	1.17E-04	2.65E-05	5.96E-03	2.74E-03	3.55E-02	8.76E-03	9.71E-04	4.80E-02	2.61E-03	7.07E-08	1.17E-04	2.65E-05	2.75E-03
2654	490760.04	3858860.04	5.87E-03	8.19E-08	1.22E-04	2.67E-05	6.02E-03	2.77E-03	3.37E-02	9.14E-03	9.78E-04	4.66E-02	2.63E-03	6.72E-08	1.22E-04	2.67E-05	2.78E-03
2655	490810.04	3858860.04	6.00E-03	7.85E-08	1.20E-04	2.68E-05	6.15E-03	2.83E-03	3.23E-02	8.98E-03	9.83E-04	4.51E-02	2.69E-03	6.44E-08	1.20E-04	2.68E-05	2.84E-03
2656	490860.04	3858860.04	6.11E-03	7.62E-08	1.17E-04	2.69E-05	6.25E-03	2.88E-03	3.14E-02	8.77E-03	9.88E-04	4.40E-02	2.74E-03	6.25E-08	1.17E-04	2.69E-05	2.88E-03
2657	490360.04	3858910.04	5.14E-03	1.16E-07	1.05E-04	2.32E-05	5.27E-03	2.43E-03	4.77E-02	7.90E-03	8.52E-04	5.89E-02	2.31E-03	9.51E-08	1.05E-04	2.32E-05	2.44E-03
2658	490410.04	3858910.04	5.26E-03	1.12E-07	1.10E-04	2.37E-05	5.40E-03	2.48E-03	4.60E-02	8.27E-03	8.67E-04	5.76E-02	2.36E-03	9.16E-08	1.10E-04	2.37E-05	2.49E-03
2659	490460.04	3858910.04	5.35E-03	1.07E-07	1.13E-04	2.43E-05	5.49E-03	2.53E-03	4.41E-02	8.45E-03	8.91E-04	5.59E-02	2.40E-03	8.78E-08	1.13E-04	2.43E-05	2.54E-03
2660	490510.04	3858910.04	5.42E-03	1.02E-07	1.16E-04	2.55E-05	5.56E-03	2.56E-03	4.21E-02	8.73E-03	9.34E-04	5.43E-02	2.43E-03	8.38E-08	1.16E-04	2.55E-05	2.57E-03
2661	490560.04	3858910.04	5.49E-03	9.70E-08	1.19E-04	2.65E-05	5.63E-03	2.59E-03	4.00E-02	8.94E-03	9.70E-04	5.25E-02	2.46E-03	7.96E-08	1.19E-04	2.65E-05	2.61E-03
2662	490610.04	3858910.04	5.59E-03	9.26E-08	1.19E-04	2.72E-05	5.73E-03	2.63E-03	3.81E-02	8.90E-03	9.98E-04	5.07E-02	2.51E-03	7.60E-08	1.19E-04	2.72E-05	2.65E-03
2663	490660.04	3858910.04	5.65E-03	8.92E-08	1.14E-04	2.73E-05	5.79E-03	2.67E-03	3.67E-02	8.54E-03	1.00E-03	4.89E-02	2.54E-03	7.32E-08	1.14E-04	2.73E-05	2.68E-03
2664	490710.04	3858910.04	5.70E-03	8.53E-08	1.14E-04	2.74E-05	5.84E-03	2.69E-03	3.51E-02	8.52E-03	1.01E-03	4.74E-02	2.55E-03	7.00E-08	1.14E-04	2.74E-05	2.70E-03
2665	490760.04	3858910.04	5.62E-03	8.20E-08	1.13E-04	2.75E-05	5.76E-03	2.65E-03	3.38E-02	8.47E-03	1.01E-03	4.59E-02	2.52E-03	6.73E-08	1.13E-04	2.75E-05	2.66E-03
2666	490810.04	3858910.04	5.70E-03	8.01E-08	1.16E-04	2.76E-05	5.84E-03	2.69E-03	3.30E-02	8.72E-03	1.01E-03	4.54E-02	2.56E-03	6.57E-08	1.16E-04	2.76E-05	2.70E-03
2667	490860.04	3858910.04	5.72E-03	7.73E-08	1.23E-04	2.77E-05	5.87E-03	2.70E-03	3.18E-02	9.21E-03	1.02E-03	4.48E-02	2.57E-03	6.34E-08	1.23E-04	2.77E-05	2.72E-03
2668	490360.04	3858960.04	4.79E-03	1.21E-07	1.09E-04	2.42E-05	4.92E-03	2.26E-03	4.98E-02	8.14E-03	8.87E-04	6.11E-02	2.15E-03	9.92E-08	1.09E-04	2.42E-05	2.28E-03
2669	490410.04	3858960.04	4.94E-03	1.15E-07	1.12E-04	2.45E-05	5.08E-03	2.33E-03	4.75E-02	8.42E-03	9.00E-04	5.92E-02	2.22E-03	9.47E-08	1.12E-04	2.45E-05	2.35E-03
2670	490460.04	3858960.04	5.08E-03	1.09E-07	1.07E-04	2.57E-05	5.21E-03	2.39E-03	4.51E-02	8.01E-03	9.41E-04	5.64E-02	2.28E-03	8.98E-08	1.07E-04	2.57E-05	2.41E-03
2671	490510.04	3858960.04	5.19E-03	1.04E-07	1.09E-04	2.67E-05	5.32E-03	2.45E-03	4.30E-02	8.19E-03	9.79E-04	5.46E-02	2.33E-03	8.56E-08	1.09E-04	2.67E-05	2.46E-03
2672	490560.04	3858960.04	5.27E-03	9.93E-08	1.11E-04	2.70E-05	5.41E-03	2.49E-03	4.09E-02	8.31E-03	9.88E-04	5.27E-02	2.36E-03	8.15E-08	1.11E-04	2.70E-05	2.50E-03
2673	490610.04	3858960.04	5.33E-03	9.31E-08	1.15E-04	2.79E-05	5.48E-03	2.52E-03	3.83E-02	8.61E-03	1.02E-03	5.05E-02	2.39E-03	7.64E-08	1.15E-04	2.79E-05	2.54E-03
2674	490660.04	3858960.04	5.39E-03	9.05E-08	1.12E-04	2.76E-05	5.53E-03	2.54E-03	3.73E-02	8.42E-03	1.01E-03	4.92E-02	2.42E-03	7.42E-08	1.12E-04	2.76E-05	2.56E-03
2675	490710.04	3858960.04	5.48E-03	8.64E-08	1.15E-04	2.81E-05	5.62E-03	2.58E-03	3.56E-02	8.63E-03	1.03E-03	4.79E-02	2.46E-03	7.09E-08	1.15E-04	2.81E-05	2.60E-03
2676	490760.04	3858960.04	5.54E-03	8.37E-08	1.17E-04	2.81E-05	5.68E-03	2.61E-03	3.45E-02	8.78E-03	1.03E-03	4.69E-02	2.48E-03	6.87E-08	1.17E-04	2.81E-05	2.63E-03
2677	490810.04	3858960.04	5.57E-03	8.10E-08	1.16E-04	2.96E-05	5.72E-03	2.63E-03	3.34E-02	8.67E-03	1.08E-03	4.58E-02	2.50E-03	6.65E-08	1.16E-04	2.96E-05	2.64E-03
2678	490860.04	3858960.04	5.49E-03	7.79E-08	1.16E-04	2.92E-05	5.64E-03	2.59E-03	3.21E-02	8.72E-03	1.07E-03	4.45E-02	2.46E-03	6.39E-08	1.16E-04	2.92E-05	2.61E-03
2679	490360.04	3859010.04	4.82E-03	1.25E-07	1.20E-04	2.49E-05	4.96E-03	2.27E-03	5.13E-02	8.97E-03	9.14E-04	6.35E-02	2.16E-03	1.02E-07	1.20E-04	2.49E-05	2.30E-03
2680	490410.04	3859010.04	4.69E-03	1.19E-07	1.10E-04	2.58E-05	4.83E-03	2.21E-03	4.89E-02	8.28E-03	9.47E-04	6.04E-02	2.10E-03	9.75E-08	1.10E-04	2.58E-05	2.24E-03

2681	490460.04	3859010.04	4.73E-03	1.11E-07	1.09E-04	2.73E-05	4.87E-03	2.23E-03	4.57E-02	8.16E-03	1.00E-03	5.71E-02	2.12E-03	9.10E-08	1.09E-04	2.73E-05	2.26E-03
2682	490510.04	3859010.04	4.88E-03	1.04E-07	1.17E-04	2.72E-05	5.03E-03	2.30E-03	4.28E-02	8.76E-03	9.97E-04	5.48E-02	2.19E-03	8.52E-08	1.17E-04	2.72E-05	2.33E-03
2683	490560.04	3859010.04	5.00E-03	1.00E-07	1.12E-04	2.71E-05	5.14E-03	2.36E-03	4.13E-02	8.37E-03	9.94E-04	5.30E-02	2.24E-03	8.22E-08	1.12E-04	2.71E-05	2.38E-03
2684	490610.04	3859010.04	5.11E-03	9.38E-08	1.10E-04	2.78E-05	5.24E-03	2.41E-03	3.86E-02	8.24E-03	1.02E-03	5.03E-02	2.29E-03	7.70E-08	1.10E-04	2.78E-05	2.43E-03
2685	490660.04	3859010.04	5.18E-03	9.13E-08	1.12E-04	2.75E-05	5.32E-03	2.44E-03	3.76E-02	8.43E-03	1.01E-03	4.95E-02	2.32E-03	7.50E-08	1.12E-04	2.75E-05	2.46E-03
2686	490710.04	3859010.04	5.23E-03	8.71E-08	1.20E-04	2.83E-05	5.38E-03	2.47E-03	3.59E-02	8.98E-03	1.04E-03	4.84E-02	2.34E-03	7.15E-08	1.20E-04	2.83E-05	2.49E-03
2687	490760.04	3859010.04	5.28E-03	8.40E-08	1.24E-04	2.89E-05	5.44E-03	2.49E-03	3.46E-02	9.28E-03	1.06E-03	4.74E-02	2.37E-03	6.89E-08	1.24E-04	2.89E-05	2.52E-03
2688	490810.04	3859010.04	5.36E-03	8.04E-08	1.27E-04	2.87E-05	5.51E-03	2.53E-03	3.31E-02	9.56E-03	1.05E-03	4.62E-02	2.40E-03	6.59E-08	1.27E-04	2.87E-05	2.56E-03
2689	490860.04	3859010.04	5.41E-03	7.61E-08	1.22E-04	2.83E-05	5.56E-03	2.55E-03	3.14E-02	9.16E-03	1.04E-03	4.41E-02	2.42E-03	6.25E-08	1.22E-04	2.83E-05	2.58E-03
2690	490360.04	3859060.04	4.61E-03	1.24E-07	1.18E-04	2.58E-05	4.76E-03	2.18E-03	5.11E-02	8.86E-03	9.44E-04	6.31E-02	2.07E-03	1.02E-07	1.18E-04	2.58E-05	2.21E-03
2691	490410.04	3859060.04	4.65E-03	1.16E-07	1.20E-04	2.66E-05	4.80E-03	2.19E-03	4.80E-02	9.01E-03	9.75E-04	6.01E-02	2.09E-03	9.55E-08	1.20E-04	2.66E-05	2.23E-03
2692	490460.04	3859060.04	4.70E-03	1.11E-07	1.17E-04	2.72E-05	4.84E-03	2.22E-03	4.56E-02	8.79E-03	9.97E-04	5.76E-02	2.11E-03	9.08E-08	1.17E-04	2.72E-05	2.25E-03
2693	490510.04	3859060.04	4.57E-03	1.05E-07	1.11E-04	2.74E-05	4.71E-03	2.16E-03	4.34E-02	8.30E-03	1.00E-03	5.49E-02	2.05E-03	8.65E-08	1.11E-04	2.74E-05	2.19E-03
2694	490560.04	3859060.04	4.67E-03	9.85E-08	1.16E-04	2.75E-05	4.81E-03	2.20E-03	4.06E-02	8.74E-03	1.01E-03	5.25E-02	2.09E-03	8.08E-08	1.16E-04	2.75E-05	2.24E-03
2695	490610.04	3859060.04	4.80E-03	9.43E-08	1.18E-04	2.73E-05	4.95E-03	2.26E-03	3.89E-02	8.86E-03	1.00E-03	5.10E-02	2.15E-03	7.74E-08	1.18E-04	2.73E-05	2.30E-03
2696	490660.04	3859060.04	4.91E-03	9.06E-08	1.17E-04	2.78E-05	5.06E-03	2.32E-03	3.73E-02	8.79E-03	1.02E-03	4.95E-02	2.20E-03	7.44E-08	1.17E-04	2.78E-05	2.35E-03
2697	490710.04	3859060.04	5.00E-03	8.64E-08	1.13E-04	2.85E-05	5.15E-03	2.36E-03	3.56E-02	8.48E-03	1.04E-03	4.75E-02	2.24E-03	7.09E-08	1.13E-04	2.85E-05	2.39E-03
2698	490760.04	3859060.04	5.07E-03	8.16E-08	1.16E-04	2.85E-05	5.21E-03	2.39E-03	3.36E-02	8.69E-03	1.05E-03	4.57E-02	2.27E-03	6.70E-08	1.16E-04	2.85E-05	2.42E-03
2699	490810.04	3859060.04	5.11E-03	7.65E-08	1.26E-04	2.86E-05	5.26E-03	2.41E-03	3.15E-02	9.46E-03	1.05E-03	4.44E-02	2.29E-03	6.27E-08	1.26E-04	2.86E-05	2.44E-03
2700	490860.04	3859060.04	5.31E-03	7.21E-08	1.36E-04	2.89E-05	5.47E-03	2.50E-03	2.97E-02	1.02E-02	1.06E-03	4.34E-02	2.38E-03	5.92E-08	1.36E-04	2.89E-05	2.54E-03
2701	490360.04	3859110.04	4.40E-03	1.25E-07	1.11E-04	2.68E-05	4.53E-03	2.07E-03	5.17E-02	8.34E-03	9.81E-04	6.31E-02	1.97E-03	1.03E-07	1.11E-04	2.68E-05	2.11E-03
2702	490410.04	3859110.04	4.47E-03	1.17E-07	1.10E-04	2.75E-05	4.61E-03	2.11E-03	4.84E-02	8.23E-03	1.01E-03	5.97E-02	2.01E-03	9.64E-08	1.10E-04	2.75E-05	2.14E-03
2703	490460.04	3859110.04	4.49E-03	1.12E-07	1.12E-04	2.70E-05	4.63E-03	2.12E-03	4.63E-02	8.42E-03	9.92E-04	5.78E-02	2.01E-03	9.22E-08	1.12E-04	2.70E-05	2.15E-03
2704	490510.04	3859110.04	4.57E-03	1.03E-07	1.14E-04	2.72E-05	4.71E-03	2.16E-03	4.25E-02	8.55E-03	9.97E-04	5.42E-02	2.05E-03	8.46E-08	1.14E-04	2.72E-05	2.19E-03
2705	490560.04	3859110.04	4.57E-03	9.78E-08	1.15E-04	2.76E-05	4.71E-03	2.15E-03	4.03E-02	8.61E-03	1.01E-03	5.21E-02	2.05E-03	8.03E-08	1.15E-04	2.76E-05	2.19E-03
2706	490610.04	3859110.04	4.49E-03	9.19E-08	1.15E-04	2.83E-05	4.63E-03	2.12E-03	3.79E-02	8.61E-03	1.04E-03	4.96E-02	2.01E-03	7.55E-08	1.15E-04	2.83E-05	2.15E-03
2707	490660.04	3859110.04	4.58E-03	8.65E-08	1.20E-04	2.88E-05	4.73E-03	2.16E-03	3.56E-02	8.98E-03	1.06E-03	4.78E-02	2.06E-03	7.10E-08	1.20E-04	2.88E-05	2.20E-03
2708	490710.04	3859110.04	4.71E-03	8.32E-08	1.29E-04	2.89E-05	4.86E-03	2.22E-03	3.43E-02	9.67E-03	1.06E-03	4.72E-02	2.11E-03	6.83E-08	1.29E-04	2.89E-05	2.27E-03
2709	490760.04	3859110.04	4.81E-03	7.89E-08	1.25E-04	2.96E-05	4.96E-03	2.27E-03	3.25E-02	9.41E-03	1.08E-03	4.53E-02	2.16E-03	6.48E-08	1.25E-04	2.96E-05	2.31E-03
2710	490810.04	3859110.04	4.80E-03	7.40E-08	1.20E-04	3.08E-05	4.95E-03	2.26E-03	3.05E-02	8.99E-03	1.13E-03	4.29E-02	2.15E-03	6.08E-08	1.20E-04	3.08E-05	2.30E-03
2711	490860.04	3859110.04	4.94E-03	6.80E-08	1.20E-04	3.21E-05	5.10E-03	2.33E-03	2.80E-02	9.02E-03	1.18E-03	4.05E-02	2.22E-03	5.58E-08	1.20E-04	3.21E-05	2.37E-03
2712	490360.04	3859160.04	4.36E-03	1.29E-07	1.01E-04	2.71E-05	4.49E-03	2.06E-03	5.33E-02	7.57E-03	9.92E-04	6.39E-02	1.96E-03	1.06E-07	1.01E-04	2.71E-05	2.08E-03
2713	490410.04	3859160.04	4.34E-03	1.20E-07	1.09E-04	2.76E-05	4.48E-03	2.05E-03	4.93E-02	8.16E-03	1.01E-03	6.05E-02	1.95E-03	9.82E-08	1.09E-04	2.76E-05	2.08E-03
2714	490460.04	3859160.04	4.29E-03	1.13E-07	1.10E-04	2.81E-05	4.43E-03	2.03E-03	4.65E-02	8.28E-03	1.03E-03	5.78E-02	1.93E-03	9.26E-08	1.10E-04	2.81E-05	2.06E-03
2715	490510.04	3859160.04	4.34E-03	1.07E-07	1.05E-04	2.85E-05	4.47E-03	2.05E-03	4.39E-02	7.88E-03	1.05E-03	5.49E-02	1.95E-03	8.75E-08	1.05E-04	2.85E-05	2.08E-03
2716	490560.04	3859160.04	4.36E-03	9.95E-08	1.09E-04	2.87E-05	4.49E-03	2.05E-03	4.10E-02	8.17E-03	1.05E-03	5.22E-02	1.95E-03	8.16E-08	1.09E-04	2.87E-05	2.09E-03
2717	490610.04	3859160.04	4.49E-03	9.38E-08	1.08E-04	2.91E-05	4.63E-03	2.12E-03	3.86E-02	8.12E-03	1.07E-03	4.99E-02	2.01E-03	7.69E-08	1.08E-04	2.91E-05	2.15E-03
2718	490660.04	3859160.04	4.42E-03	8.34E-08	1.13E-04	2.99E-05	4.56E-03	2.09E-03	3.43E-02	8.45E-03	1.09E-03	4.60E-02	1.98E-03	6.84E-08	1.13E-04	2.99E-05	2.13E-03
2719	490710.04	3859160.04	4.39E-03	7.92E-08	1.13E-04	3.01E-05	4.53E-03	2.07E-03	3.26E-02	8.49E-03	1.10E-03	4.43E-02	1.97E-03	6.50E-08	1.13E-04	3.01E-05	2.11E-03
2720	490760.04	3859160.04	4.58E-03	7.20E-08	1.27E-04	3.09E-05	4.74E-03	2.16E-03	2.97E-02	9.56E-03	1.13E-03	4.25E-02	2.06E-03	5.91E-08	1.27E-04	3.09E-05	2.21E-03
2721	490810.04	3859160.04	4.76E-03	6.77E-08	1.32E-04	3.14E-05	4.93E-03	2.25E-03	2.79E-02	9.88E-03	1.15E-03	4.12E-02	2.14E-03	5.56E-08	1.32E-04	3.14E-05	2.30E-03
2722	490860.04	3859160.04	4.77E-03	6.35E-08	1.26E-04	3.27E-05	4.93E-03	2.25E-03	2.62E-02	9.46E-03	1.20E-03	3.91E-02	2.14E-03	5.21E-08	1.26E-04	3.27E-05	2.30E-03
2723	490360.04	3859210.04	4.46E-03	1.34E-07	1.10E-04	2.74E-05	4.60E-03	2.10E-03	5.54E-02	8.25E-03	1.01E-03	6.67E-02	2.00E-03	1.10E-07	1.10E-04	2.74E-05	2.14E-03
2724	490410.04	3859210.04	4.26E-03	1.28E-07	1.05E-04	2.76E-05	4.39E-03	2.01E-03	5.26E-02	7.88E-03	1.01E-03	6.35E-02	1.91E-03	1.05E-07	1.05E-04	2.76E-05	2.04E-03
2725	490460.04	3859210.04	4.23E-03	1.15E-07	1.06E-04	2.84E-05	4.37E-03	2.00E-03	4.72E-02	7.97E-03	1.04E-03	5.83E-02	1.90E-03	9.41E-08	1.06E-04	2.84E-05	2.03E-03
2726	490510.04	3859210.04	4.21E-03	1.08E-07	1.08E-04	2.90E-05	4.35E-03	1.99E-03	4.45E-02	8.11E-03	1.06E-03	5.57E-02	1.89E-03	8.87E-08	1.08E-04	2.90E-05	2.03E-03
2727	490560.04	3859210.04	4.20E-03	1.03E-07	1.09E-04	2.85E-05	4.34E-03	1.98E-03	4.25E-02	8.18E-03	1.05E-03	5.37E-02	1.88E-03	8.47E-08	1.09E-04	2.85E-05	2.02E-03
2728	490610.04	3859210.04	4.20E-03	9.49E-08	1.04E-04	2.91E-05	4.33E-03	1.98E-03	3.91E-02	7.77E-03	1.07E-03	4.99E-02	1.88E-03	7.78E-08	1.04E-04	2.91E-05	2.02E-03
2729	490660.04	3859210.04	4.22E-03	8.37E-08	1.06E-04	3.11E-05	4.35E-03	1.99E-03	3.45E-02	7.96E-03	1.14E-03	4.56E-02	1.89E-03	6.87E-08	1.06E-04	3.11E-05	2.03E-03
2730	490710.04	3859210.04	4.31E-03	7.93E-08	1.08E-04	3.15E-05	4.45E-03	2.03E-03	3.27E-02	8.08E-03	1.16E-03	4.39E-02	1.93E-03	6.51E-08	1.08E-04	3.15E-05	2.07E-03
2731	490760.04	3859210.04	4.62E-03	7.21E-08	1.11E-04	3.30E-05	4.76E-03	2.18E-03	2.97E-02	8.29E-03	1.21E-03	4.14E-02	2.07E-03	5.91E-08	1.11E-04	3.30E-05	2.21E-03
2732	490810.04	3859210.04	4.43E-03	7.05E-08	1.14E-04	3.29E-05	4.58E-03	2.09E-03	2.91E-02	8.58E-03	1.21E-03	4.09E-02	1.99E-03	5.79E-08	1.14E-04	3.29E-05	2.13E-03
2733	490860.04	3859210.04	4.52E-03	6.88E-08	1.24E-04	3.24E-05	4.68E-03	2.13E-03	2.83E-02	9.30E-03	1.19E-03	4.10E-02	2.03E-03	5.64E-08	1.24E-04	3.24E-05	2.18E-03
2734	490360.04	3859260.04	4.58E-03	1.37E-07	1.16E-04	2.80E-05	4.72E-03	2.16E-03	5.64E-02	8.73E-03	1.03E-03	6.83E-02	2.05E-03	1.12E-07	1.16E-04	2.80E-05	2.20E-03
2735	490410.04	3859260.04	4.34E-03	1.29E-07	1.15E-04	2.83E-05	4.48E-03	2.05E-03	5.30E-02	8.66E-03	1.04E-03	6.47E-02	1.95E-03	1.06E-07	1.15E-04	2.83E-05	2.09E-03
2736	490460.04	3859260.04	4.28E-03	1.23E-07	1.13E-04	2.79E-05	4.42E-03	2.02E-03	5.05E-02	8.44E-03	1.02E-03	6.20E-02	1.92E-03	1.01E-07	1.13E-04	2.79E-05	2.06E-03
2737	490510.04	3859260.04	4.12E-03	1.17E-07	1.08E-04	2.79E-05	4.25E-03	1.94E-03	4.81E-02	8.08E-03	1.02E-03	5.92E-02	1.85E-03	9.58E-08	1.08E-04	2.79E-05	1.98E-03
2738	490560.04	3859260.04	4.09E-03	1.09E-07	1.03E-04	2.79E-05	4.22E-03	1.93E-03	4.47E-02	7.70E-03	1.02E-03	5.54E-02	1.83E-03	8.91E-08	1.03E-04	2.79E-05	1.96E-03
2739	490610.04	3859260.04	4.07E-03	9.89E-08	1.09E-04	2.91E-05	4.21E-03	1.92E-03	4.07E-02	8.21E-03	1.07E-03	5.19E-02	1.83E-03	8.11E-08	1.09E-04	2.91E-05	1.96E-03
2740	490660.04	3859260.04	4.06E-03	9.62E-08	1.03E-04	2.93E-05	4.19E-03	1.91E-03	3.96E-02	7.71E-03	1.08E-03	5.03E-02	1.82E-03	7.89E-08	1.03E-04	2.93E-05	1.95E-03
2741	490710.04	3859260.04	4.06E-03	9.01E-08	1.03E-04	2.98E-05	4.20E-03	1.92E-03	3.71E-02	7.72E-03	1.09E-03	4.79E-02	1.82E-03	7.40E-08	1.03E-04	2.98E-05	1.96E-03

2742	490760.04	3859260.04	4.16E-03	8.14E-08	1.03E-04	3.23E-05	4.30E-03	1.96E-03	3.35E-02	7.70E-03	1.18E-03	4.44E-02	1.87E-03	6.68E-08	1.03E-04	3.23E-05	2.00E-03
2743	490810.04	3859260.04	4.18E-03	7.94E-08	1.02E-04	3.25E-05	4.32E-03	1.97E-03	3.27E-02	7.63E-03	1.19E-03	4.35E-02	1.88E-03	6.51E-08	1.02E-04	3.25E-05	2.01E-03
2744	490860.04	3859260.04	4.16E-03	7.70E-08	1.09E-04	3.26E-05	4.30E-03	1.96E-03	3.17E-02	8.18E-03	1.19E-03	4.31E-02	1.87E-03	6.32E-08	1.09E-04	3.26E-05	2.01E-03
2745	490360.04	3859310.04	4.58E-03	1.42E-07	1.15E-04	2.81E-05	4.73E-03	2.16E-03	5.83E-02	8.60E-03	1.03E-03	7.01E-02	2.06E-03	1.16E-07	1.15E-04	2.81E-05	2.20E-03
2746	490410.04	3859310.04	4.47E-03	1.34E-07	1.14E-04	2.81E-05	4.61E-03	2.11E-03	5.54E-02	8.56E-03	1.03E-03	6.71E-02	2.01E-03	1.10E-07	1.14E-04	2.81E-05	2.15E-03
2747	490460.04	3859310.04	4.41E-03	1.28E-07	1.13E-04	2.68E-05	4.55E-03	2.08E-03	5.28E-02	8.51E-03	9.84E-04	6.43E-02	1.98E-03	1.05E-07	1.13E-04	2.68E-05	2.12E-03
2748	490510.04	3859310.04	4.29E-03	1.23E-07	1.12E-04	2.68E-05	4.43E-03	2.02E-03	5.07E-02	8.43E-03	9.83E-04	6.21E-02	1.92E-03	1.01E-07	1.12E-04	2.68E-05	2.06E-03
2749	490560.04	3859310.04	4.09E-03	1.17E-07	1.11E-04	2.73E-05	4.23E-03	1.93E-03	4.82E-02	8.34E-03	1.00E-03	5.95E-02	1.83E-03	9.60E-08	1.11E-04	2.73E-05	1.97E-03
2750	490610.04	3859310.04	3.97E-03	1.12E-07	1.09E-04	2.74E-05	4.11E-03	1.87E-03	4.62E-02	8.16E-03	1.01E-03	5.73E-02	1.78E-03	9.21E-08	1.09E-04	2.74E-05	1.92E-03
2751	490660.04	3859310.04	3.94E-03	1.06E-07	1.03E-04	2.80E-05	4.07E-03	1.86E-03	4.35E-02	7.72E-03	1.03E-03	5.41E-02	1.77E-03	8.67E-08	1.03E-04	2.80E-05	1.90E-03
2752	490710.04	3859310.04	3.93E-03	9.60E-08	1.07E-04	2.88E-05	4.07E-03	1.85E-03	3.96E-02	8.00E-03	1.06E-03	5.05E-02	1.76E-03	7.88E-08	1.07E-04	2.88E-05	1.90E-03
2753	490760.04	3859310.04	3.93E-03	8.97E-08	1.02E-04	2.99E-05	4.06E-03	1.85E-03	3.70E-02	7.69E-03	1.10E-03	4.76E-02	1.76E-03	7.36E-08	1.02E-04	2.99E-05	1.89E-03
2754	490810.04	3859310.04	3.99E-03	8.64E-08	9.81E-05	3.00E-05	4.12E-03	1.88E-03	3.56E-02	7.36E-03	1.10E-03	4.59E-02	1.79E-03	7.09E-08	9.81E-05	3.00E-05	1.92E-03
2755	490860.04	3859310.04	4.15E-03	8.21E-08	9.68E-05	3.04E-05	4.28E-03	1.96E-03	3.38E-02	7.26E-03	1.11E-03	4.42E-02	1.86E-03	6.74E-08	9.68E-05	3.04E-05	1.99E-03
2756	490360.04	3859360.04	4.43E-03	1.47E-07	1.12E-04	2.77E-05	4.57E-03	2.09E-03	6.06E-02	8.42E-03	1.02E-03	7.21E-02	1.99E-03	1.21E-07	1.12E-04	2.77E-05	2.13E-03
2757	490410.04	3859360.04	4.39E-03	1.41E-07	1.12E-04	2.61E-05	4.53E-03	2.07E-03	5.82E-02	8.41E-03	9.56E-04	6.97E-02	1.97E-03	1.16E-07	1.12E-04	2.61E-05	2.11E-03
2758	490460.04	3859360.04	4.49E-03	1.36E-07	1.12E-04	2.53E-05	4.63E-03	2.12E-03	5.62E-02	8.38E-03	9.28E-04	6.76E-02	2.01E-03	1.12E-07	1.12E-04	2.53E-05	2.15E-03
2759	490510.04	3859360.04	4.39E-03	1.31E-07	1.11E-04	2.53E-05	4.53E-03	2.07E-03	5.42E-02	8.34E-03	9.29E-04	6.55E-02	1.97E-03	1.08E-07	1.11E-04	2.53E-05	2.10E-03
2760	490560.04	3859360.04	4.14E-03	1.25E-07	1.10E-04	2.55E-05	4.27E-03	1.95E-03	5.14E-02	8.29E-03	9.35E-04	6.26E-02	1.86E-03	1.02E-07	1.10E-04	2.55E-05	1.99E-03
2761	490610.04	3859360.04	4.11E-03	1.18E-07	1.10E-04	2.60E-05	4.24E-03	1.94E-03	4.88E-02	8.21E-03	9.54E-04	5.99E-02	1.84E-03	9.72E-08	1.10E-04	2.60E-05	1.98E-03
2762	490660.04	3859360.04	3.91E-03	1.12E-07	1.08E-04	2.64E-05	4.05E-03	1.85E-03	4.63E-02	8.13E-03	9.70E-04	5.73E-02	1.76E-03	9.23E-08	1.08E-04	2.64E-05	1.89E-03
2763	490710.04	3859360.04	3.84E-03	1.05E-07	1.07E-04	2.74E-05	3.97E-03	1.81E-03	4.32E-02	8.03E-03	1.00E-03	5.40E-02	1.72E-03	8.60E-08	1.07E-04	2.74E-05	1.86E-03
2764	490760.04	3859360.04	3.82E-03	9.71E-08	1.06E-04	2.77E-05	3.95E-03	1.80E-03	4.00E-02	7.92E-03	1.02E-03	5.07E-02	1.71E-03	7.97E-08	1.06E-04	2.77E-05	1.84E-03
2765	490810.04	3859360.04	3.81E-03	9.52E-08	1.04E-04	2.75E-05	3.94E-03	1.80E-03	3.92E-02	7.80E-03	1.01E-03	4.98E-02	1.71E-03	7.82E-08	1.04E-04	2.75E-05	1.84E-03
2766	490860.04	3859360.04	3.84E-03	9.10E-08	9.92E-05	2.74E-05	3.97E-03	1.81E-03	3.75E-02	7.44E-03	1.01E-03	4.77E-02	1.72E-03	7.47E-08	9.92E-05	2.74E-05	1.85E-03
2767	490360.04	3859410.04	4.42E-03	1.54E-07	1.05E-04	2.63E-05	4.55E-03	2.09E-03	6.33E-02	7.88E-03	9.64E-04	7.42E-02	1.98E-03	1.26E-07	1.05E-04	2.63E-05	2.12E-03
2768	490410.04	3859410.04	4.37E-03	1.49E-07	1.09E-04	2.63E-05	4.51E-03	2.06E-03	6.12E-02	8.21E-03	9.63E-04	7.24E-02	1.96E-03	1.22E-07	1.09E-04	2.63E-05	2.10E-03
2769	490460.04	3859410.04	4.25E-03	1.43E-07	1.10E-04	2.63E-05	4.39E-03	2.01E-03	5.91E-02	8.28E-03	9.64E-04	7.04E-02	1.91E-03	1.18E-07	1.10E-04	2.63E-05	2.04E-03
2770	490510.04	3859410.04	4.39E-03	1.38E-07	1.09E-04	2.63E-05	4.53E-03	2.07E-03	5.67E-02	8.20E-03	9.64E-04	6.80E-02	1.97E-03	1.13E-07	1.09E-04	2.63E-05	2.11E-03
2771	490560.04	3859410.04	4.25E-03	1.33E-07	1.09E-04	2.63E-05	4.38E-03	2.00E-03	5.47E-02	8.18E-03	9.63E-04	6.59E-02	1.91E-03	1.09E-07	1.09E-04	2.63E-05	2.04E-03
2772	490610.04	3859410.04	4.20E-03	1.28E-07	1.08E-04	2.62E-05	4.33E-03	1.98E-03	5.26E-02	8.13E-03	9.62E-04	6.37E-02	1.88E-03	1.05E-07	1.08E-04	2.62E-05	2.02E-03
2773	490660.04	3859410.04	4.04E-03	1.20E-07	1.08E-04	2.63E-05	4.17E-03	1.90E-03	4.94E-02	8.08E-03	9.66E-04	6.03E-02	1.81E-03	9.83E-08	1.08E-04	2.63E-05	1.94E-03
2774	490710.04	3859410.04	3.93E-03	1.14E-07	1.07E-04	2.65E-05	4.06E-03	1.85E-03	4.68E-02	8.01E-03	9.72E-04	5.76E-02	1.76E-03	9.32E-08	1.07E-04	2.65E-05	1.90E-03
2775	490760.04	3859410.04	3.77E-03	1.05E-07	1.06E-04	2.67E-05	3.90E-03	1.78E-03	4.32E-02	7.93E-03	9.81E-04	5.39E-02	1.69E-03	8.60E-08	1.06E-04	2.67E-05	1.82E-03
2776	490810.04	3859410.04	3.71E-03	1.03E-07	1.04E-04	2.67E-05	3.84E-03	1.75E-03	4.22E-02	7.83E-03	9.81E-04	5.28E-02	1.66E-03	8.41E-08	1.04E-04	2.67E-05	1.79E-03
2777	490860.04	3859410.04	3.76E-03	1.01E-07	1.03E-04	2.66E-05	3.89E-03	1.77E-03	4.17E-02	7.72E-03	9.77E-04	5.22E-02	1.69E-03	8.30E-08	1.03E-04	2.66E-05	1.82E-03
2778	490360.04	3859460.04	4.38E-03	1.57E-07	1.05E-04	2.75E-05	4.51E-03	2.06E-03	6.47E-02	7.90E-03	1.01E-03	7.57E-02	1.96E-03	1.29E-07	1.05E-04	2.75E-05	2.10E-03
2779	490410.04	3859460.04	4.35E-03	1.51E-07	1.01E-04	2.73E-05	4.48E-03	2.05E-03	6.21E-02	7.55E-03	1.00E-03	7.27E-02	1.95E-03	1.24E-07	1.01E-04	2.73E-05	2.08E-03
2780	490460.04	3859460.04	4.29E-03	1.46E-07	1.07E-04	2.72E-05	4.42E-03	2.02E-03	6.03E-02	8.00E-03	9.97E-04	7.13E-02	1.92E-03	1.20E-07	1.07E-04	2.72E-05	2.06E-03
2781	490510.04	3859460.04	4.20E-03	1.42E-07	1.11E-04	2.70E-05	4.34E-03	1.98E-03	5.85E-02	8.29E-03	9.92E-04	6.98E-02	1.88E-03	1.17E-07	1.11E-04	2.70E-05	2.02E-03
2782	490560.04	3859460.04	4.21E-03	1.38E-07	1.07E-04	2.69E-05	4.35E-03	1.99E-03	5.68E-02	8.02E-03	9.87E-04	6.78E-02	1.89E-03	1.13E-07	1.07E-04	2.69E-05	2.02E-03
2783	490610.04	3859460.04	4.27E-03	1.33E-07	1.07E-04	2.68E-05	4.41E-03	2.01E-03	5.47E-02	8.01E-03	9.82E-04	6.57E-02	1.92E-03	1.09E-07	1.07E-04	2.68E-05	2.05E-03
2784	490660.04	3859460.04	4.21E-03	1.27E-07	1.06E-04	2.66E-05	4.35E-03	1.99E-03	5.24E-02	7.98E-03	9.77E-04	6.33E-02	1.89E-03	1.04E-07	1.06E-04	2.66E-05	2.02E-03
2785	490710.04	3859460.04	3.96E-03	1.23E-07	1.06E-04	2.65E-05	4.09E-03	1.87E-03	5.05E-02	7.94E-03	9.72E-04	6.12E-02	1.77E-03	1.01E-07	1.06E-04	2.65E-05	1.91E-03
2786	490760.04	3859460.04	3.94E-03	1.17E-07	1.05E-04	2.64E-05	4.07E-03	1.86E-03	4.82E-02	7.88E-03	9.68E-04	5.89E-02	1.77E-03	9.60E-08	1.05E-04	2.64E-05	1.90E-03
2787	490810.04	3859460.04	3.76E-03	1.11E-07	1.04E-04	2.67E-05	3.89E-03	1.77E-03	4.58E-02	7.81E-03	9.78E-04	5.64E-02	1.68E-03	9.13E-08	1.04E-04	2.67E-05	1.82E-03
2788	490860.04	3859460.04	3.62E-03	1.09E-07	1.03E-04	2.66E-05	3.75E-03	1.71E-03	4.49E-02	7.73E-03	9.77E-04	5.53E-02	1.62E-03	8.94E-08	1.03E-04	2.66E-05	1.75E-03
2789	490360.04	3859510.04	4.20E-03	1.57E-07	1.02E-04	2.76E-05	4.33E-03	1.98E-03	6.47E-02	7.63E-03	1.01E-03	7.53E-02	1.88E-03	1.29E-07	1.02E-04	2.76E-05	2.01E-03
2790	490410.04	3859510.04	4.29E-03	1.53E-07	1.02E-04	2.71E-05	4.42E-03	2.02E-03	6.32E-02	7.67E-03	9.94E-04	7.39E-02	1.92E-03	1.26E-07	1.02E-04	2.71E-05	2.05E-03
2791	490460.04	3859510.04	4.27E-03	1.48E-07	1.03E-04	2.66E-05	4.40E-03	2.01E-03	6.10E-02	7.75E-03	9.74E-04	7.17E-02	1.91E-03	1.21E-07	1.03E-04	2.66E-05	2.04E-03
2792	490510.04	3859510.04	4.22E-03	1.44E-07	1.00E-04	2.62E-05	4.35E-03	1.99E-03	5.92E-02	7.54E-03	9.62E-04	6.97E-02	1.89E-03	1.18E-07	1.00E-04	2.62E-05	2.02E-03
2793	490560.04	3859510.04	4.15E-03	1.40E-07	1.08E-04	2.61E-05	4.28E-03	1.96E-03	5.75E-02	8.07E-03	9.57E-04	6.85E-02	1.86E-03	1.15E-07	1.08E-04	2.61E-05	2.00E-03
2794	490610.04	3859510.04	4.05E-03	1.35E-07	1.07E-04	2.60E-05	4.19E-03	1.91E-03	5.55E-02	8.01E-03	9.52E-04	6.63E-02	1.82E-03	1.11E-07	1.07E-04	2.60E-05	1.95E-03
2795	490660.04	3859510.04	4.20E-03	1.30E-07	1.05E-04	2.58E-05	4.33E-03	1.98E-03	5.34E-02	7.84E-03	9.47E-04	6.42E-02	1.88E-03	1.06E-07	1.05E-04	2.58E-05	2.01E-03
2796	490710.04	3859510.04	4.08E-03	1.24E-07	1.04E-04	2.57E-05	4.21E-03	1.93E-03	5.13E-02	7.82E-03	9.42E-04	6.20E-02	1.83E-03	1.02E-07	1.04E-04	2.57E-05	1.96E-03
2797	490760.04	3859510.04	4.01E-03	1.20E-07	1.04E-04	2.61E-05	4.14E-03	1.89E-03	4.93E-02	7.79E-03	9.56E-04	5.99E-02	1.80E-03	9.82E-08	1.04E-04	2.61E-05	1.93E-03
2798	490810.04	3859510.04	3.83E-03	1.16E-07	1.03E-04	2.66E-05	3.96E-03	1.81E-03	4.78E-02	7.75E-03	9.75E-04	5.83E-02	1.72E-03	9.52E-08	1.03E-04	2.66E-05	1.85E-03
2799	490860.04	3859510.04	3.77E-03	1.12E-07	1.03E-04	2.72E-05	3.90E-03	1.78E-03	4.61E-02	7.69E-03	9.98E-04	5.65E-02	1.69E-03	9.18E-08	1.03E-04	2.72E-05	1.82E-03
2800	490360.04	3859560.04	3.99E-03	1.58E-07	9.78E-05	2.70E-05	4.12E-03	1.88E-03	6.49E-02	7.33E-03	9.91E-04	7.52E-02	1.79E-03	1.29E-07	9.78E-05	2.70E-05	1.91E-03
2801	490410.04	3859560.04	4.06E-03	1.54E-07	9.79E-05	2.63E-05	4.18E-03	1.91E-03	6.36E-02	7.34E-03	9.64E-04	7.38E-02	1.82E-03	1.27E-07	9.79E-05	2.63E-05	1.94E-03
2802	490460.04	3859560.04	4.18E-03	1.49E-07	9.92E-05	2.56E-05	4.30E-03	1.97E-03	6.14E-02	7.44E-03	9.39E-04	7.18E-02	1.87E-03	1.22E-07	9.92E-05	2.56E-05	2.00E-03

2803	490510.04	3859560.04	4.19E-03	1.43E-07	1.00E-04	2.55E-05	4.32E-03	1.98E-03	5.89E-02	7.53E-03	9.33E-04	6.94E-02	1.88E-03	1.17E-07	1.00E-04	2.55E-05	2.01E-03
2804	490560.04	3859560.04	4.15E-03	1.38E-07	1.01E-04	2.53E-05	4.28E-03	1.96E-03	5.69E-02	7.59E-03	9.29E-04	6.74E-02	1.86E-03	1.13E-07	1.01E-04	2.53E-05	1.99E-03
2805	490610.04	3859560.04	4.09E-03	1.33E-07	1.02E-04	2.52E-05	4.22E-03	1.93E-03	5.48E-02	7.63E-03	9.26E-04	6.53E-02	1.83E-03	1.09E-07	1.02E-04	2.52E-05	1.96E-03
2806	490660.04	3859560.04	4.01E-03	1.29E-07	1.08E-04	2.57E-05	4.14E-03	1.89E-03	5.32E-02	8.09E-03	9.41E-04	6.41E-02	1.80E-03	1.06E-07	1.08E-04	2.57E-05	1.93E-03
2807	490710.04	3859560.04	4.05E-03	1.25E-07	1.03E-04	2.61E-05	4.18E-03	1.91E-03	5.15E-02	7.72E-03	9.57E-04	6.21E-02	1.82E-03	1.03E-07	1.03E-04	2.61E-05	1.95E-03
2808	490760.04	3859560.04	4.07E-03	1.21E-07	1.02E-04	2.63E-05	4.19E-03	1.92E-03	4.97E-02	7.66E-03	9.64E-04	6.02E-02	1.82E-03	9.90E-08	1.02E-04	2.63E-05	1.95E-03
2809	490810.04	3859560.04	4.05E-03	1.17E-07	1.02E-04	2.60E-05	4.18E-03	1.91E-03	4.82E-02	7.65E-03	9.54E-04	5.88E-02	1.82E-03	9.61E-08	1.02E-04	2.60E-05	1.94E-03
2810	490860.04	3859560.04	3.79E-03	1.13E-07	1.02E-04	2.57E-05	3.92E-03	1.79E-03	4.67E-02	7.61E-03	9.44E-04	5.71E-02	1.70E-03	9.31E-08	1.02E-04	2.57E-05	1.83E-03
2811	490187.25	3859422.08	4.25E-03	1.73E-07	1.11E-04	2.79E-05	4.38E-03	2.00E-03	7.12E-02	8.29E-03	1.02E-03	8.25E-02	1.90E-03	1.42E-07	1.11E-04	2.79E-05	2.04E-03
2812	490237.25	3859422.08	4.40E-03	1.67E-07	1.09E-04	2.79E-05	4.53E-03	2.07E-03	6.89E-02	8.21E-03	1.02E-03	8.02E-02	1.97E-03	1.37E-07	1.09E-04	2.79E-05	2.11E-03
2813	490287.25	3859422.08	4.46E-03	1.62E-07	1.07E-04	2.73E-05	4.59E-03	2.10E-03	6.68E-02	8.03E-03	1.00E-03	7.79E-02	2.00E-03	1.33E-07	1.07E-04	2.73E-05	2.13E-03
2814	490337.25	3859422.08	4.44E-03	1.57E-07	1.05E-04	2.67E-05	4.57E-03	2.09E-03	6.45E-02	7.87E-03	9.78E-04	7.55E-02	1.99E-03	1.29E-07	1.05E-04	2.67E-05	2.12E-03
2815	490187.25	3859472.08	4.18E-03	1.73E-07	1.05E-04	2.83E-05	4.32E-03	1.97E-03	7.11E-02	7.88E-03	1.04E-03	8.20E-02	1.88E-03	1.42E-07	1.05E-04	2.83E-05	2.01E-03
2816	490237.25	3859472.08	4.15E-03	1.68E-07	1.06E-04	2.76E-05	4.28E-03	1.96E-03	6.92E-02	7.94E-03	1.01E-03	8.01E-02	1.86E-03	1.38E-07	1.06E-04	2.76E-05	1.99E-03
2817	490287.25	3859472.08	4.22E-03	1.63E-07	1.06E-04	2.75E-05	4.36E-03	1.99E-03	6.72E-02	7.93E-03	1.01E-03	7.81E-02	1.89E-03	1.34E-07	1.06E-04	2.75E-05	2.03E-03
2818	490337.25	3859472.08	4.36E-03	1.59E-07	1.04E-04	2.73E-05	4.49E-03	2.06E-03	6.56E-02	7.81E-03	1.00E-03	7.65E-02	1.96E-03	1.31E-07	1.04E-04	2.73E-05	2.09E-03
2819	490297.07	3859500.42	4.10E-03	1.62E-07	1.03E-04	2.73E-05	4.23E-03	1.93E-03	6.66E-02	7.75E-03	1.00E-03	7.73E-02	1.84E-03	1.33E-07	1.03E-04	2.73E-05	1.97E-03
2820	490327.07	3859500.42	4.16E-03	1.60E-07	1.03E-04	2.74E-05	4.29E-03	1.96E-03	6.60E-02	7.71E-03	1.01E-03	7.66E-02	1.87E-03	1.31E-07	1.03E-04	2.74E-05	2.00E-03
2821	490297.07	3859530.42	4.07E-03	1.62E-07	1.00E-04	2.77E-05	4.20E-03	1.92E-03	6.68E-02	7.51E-03	1.02E-03	7.72E-02	1.82E-03	1.33E-07	1.00E-04	2.77E-05	1.95E-03
2822	490327.07	3859530.42	4.03E-03	1.60E-07	1.00E-04	2.78E-05	4.16E-03	1.90E-03	6.59E-02	7.53E-03	1.02E-03	7.63E-02	1.81E-03	1.31E-07	1.00E-04	2.78E-05	1.94E-03
2823	490319.73	3859055.34	4.59E-03	1.30E-07	1.17E-04	2.52E-05	4.73E-03	2.17E-03	5.37E-02	8.74E-03	9.25E-04	6.55E-02	2.06E-03	1.07E-07	1.17E-04	2.52E-05	2.20E-03
2824	490319.73	3859105.34	4.48E-03	1.31E-07	1.11E-04	2.61E-05	4.61E-03	2.11E-03	5.41E-02	8.36E-03	9.57E-04	6.55E-02	2.01E-03	1.08E-07	1.11E-04	2.61E-05	2.15E-03
2825	490069.73	3859155.34	4.86E-03	1.62E-07	1.22E-04	2.63E-05	5.00E-03	2.29E-03	6.66E-02	9.14E-03	9.64E-04	7.90E-02	2.18E-03	1.33E-07	1.22E-04	2.63E-05	2.33E-03
2826	490119.73	3859155.34	4.81E-03	1.58E-07	1.14E-04	2.57E-05	4.95E-03	2.27E-03	6.52E-02	8.56E-03	9.43E-04	7.70E-02	2.16E-03	1.30E-07	1.14E-04	2.57E-05	2.30E-03
2827	490269.73	3859155.34	4.57E-03	1.46E-07	1.07E-04	2.63E-05	4.70E-03	2.15E-03	6.02E-02	8.06E-03	9.64E-04	7.13E-02	2.05E-03	1.20E-07	1.07E-04	2.63E-05	2.18E-03
2828	490319.73	3859155.34	4.39E-03	1.37E-07	1.03E-04	2.65E-05	4.52E-03	2.07E-03	5.65E-02	7.76E-03	9.73E-04	6.73E-02	1.97E-03	1.12E-07	1.03E-04	2.65E-05	2.10E-03
2829	490069.73	3859205.34	4.83E-03	1.67E-07	1.20E-04	2.70E-05	4.98E-03	2.28E-03	6.89E-02	8.97E-03	9.91E-04	8.11E-02	2.17E-03	1.37E-07	1.20E-04	2.70E-05	2.31E-03
2830	490119.73	3859205.34	4.78E-03	1.64E-07	1.21E-04	2.64E-05	4.93E-03	2.26E-03	6.74E-02	9.08E-03	9.70E-04	7.97E-02	2.15E-03	1.34E-07	1.21E-04	2.64E-05	2.29E-03
2831	490169.73	3859205.34	4.63E-03	1.60E-07	1.16E-04	2.66E-05	4.77E-03	2.18E-03	6.57E-02	8.73E-03	9.77E-04	7.76E-02	2.08E-03	1.31E-07	1.16E-04	2.66E-05	2.22E-03
2832	490219.73	3859205.34	4.80E-03	1.54E-07	1.12E-04	2.68E-05	4.94E-03	2.26E-03	6.35E-02	8.36E-03	9.83E-04	7.51E-02	2.15E-03	1.27E-07	1.12E-04	2.68E-05	2.29E-03
2833	490269.73	3859205.34	4.65E-03	1.48E-07	1.14E-04	2.70E-05	4.79E-03	2.19E-03	6.08E-02	8.57E-03	9.88E-04	7.26E-02	2.08E-03	1.21E-07	1.14E-04	2.70E-05	2.22E-03
2834	490319.73	3859205.34	4.49E-03	1.41E-07	1.12E-04	2.71E-05	4.63E-03	2.12E-03	5.82E-02	8.41E-03	9.94E-04	6.97E-02	2.01E-03	1.16E-07	1.12E-04	2.71E-05	2.15E-03
2835	490069.73	3859255.34	4.79E-03	1.73E-07	1.17E-04	2.70E-05	4.94E-03	2.26E-03	7.14E-02	8.80E-03	9.89E-04	8.35E-02	2.15E-03	1.42E-07	1.17E-04	2.70E-05	2.29E-03
2836	490119.73	3859255.34	4.74E-03	1.69E-07	1.17E-04	2.72E-05	4.89E-03	2.24E-03	6.94E-02	8.81E-03	9.97E-04	8.15E-02	2.13E-03	1.38E-07	1.17E-04	2.72E-05	2.27E-03
2837	490169.73	3859255.34	4.67E-03	1.64E-07	1.18E-04	2.73E-05	4.82E-03	2.20E-03	6.74E-02	8.85E-03	1.00E-03	7.95E-02	2.10E-03	1.34E-07	1.18E-04	2.73E-05	2.24E-03
2838	490219.73	3859255.34	4.60E-03	1.57E-07	1.18E-04	2.74E-05	4.75E-03	2.17E-03	6.47E-02	8.84E-03	1.01E-03	7.67E-02	2.06E-03	1.29E-07	1.18E-04	2.74E-05	2.21E-03
2839	490269.73	3859255.34	4.63E-03	1.51E-07	1.14E-04	2.75E-05	4.78E-03	2.19E-03	6.20E-02	8.56E-03	1.01E-03	7.38E-02	2.08E-03	1.24E-07	1.14E-04	2.75E-05	2.22E-03
2840	490319.73	3859255.34	4.64E-03	1.46E-07	1.16E-04	2.76E-05	4.78E-03	2.19E-03	6.00E-02	8.74E-03	1.01E-03	7.19E-02	2.08E-03	1.19E-07	1.16E-04	2.76E-05	2.22E-03
2841	490069.73	3859305.34	4.65E-03	1.79E-07	1.13E-04	2.78E-05	4.79E-03	2.19E-03	7.38E-02	8.46E-03	1.02E-03	8.55E-02	2.09E-03	1.47E-07	1.13E-04	2.78E-05	2.23E-03
2842	490119.73	3859305.34	4.68E-03	1.74E-07	1.14E-04	2.78E-05	4.83E-03	2.21E-03	7.18E-02	8.53E-03	1.02E-03	8.35E-02	2.10E-03	1.43E-07	1.14E-04	2.78E-05	2.24E-03
2843	490169.73	3859305.34	4.66E-03	1.68E-07	1.15E-04	2.79E-05	4.80E-03	2.20E-03	6.92E-02	8.59E-03	1.02E-03	8.11E-02	2.09E-03	1.38E-07	1.15E-04	2.79E-05	2.23E-03
2844	490219.73	3859305.34	4.61E-03	1.61E-07	1.12E-04	2.80E-05	4.75E-03	2.18E-03	6.63E-02	8.43E-03	1.03E-03	7.79E-02	2.07E-03	1.32E-07	1.12E-04	2.80E-05	2.21E-03
2845	490269.73	3859305.34	4.57E-03	1.55E-07	1.15E-04	2.80E-05	4.71E-03	2.15E-03	6.38E-02	8.64E-03	1.03E-03	7.56E-02	2.05E-03	1.27E-07	1.15E-04	2.80E-05	2.19E-03
2846	490319.73	3859305.34	4.45E-03	1.48E-07	1.14E-04	2.81E-05	4.59E-03	2.10E-03	6.10E-02	8.53E-03	1.03E-03	7.27E-02	1.99E-03	1.22E-07	1.14E-04	2.81E-05	2.14E-03
2847	490069.73	3859355.34	4.38E-03	1.84E-07	1.08E-04	2.83E-05	4.51E-03	2.06E-03	7.57E-02	8.14E-03	1.04E-03	8.69E-02	1.96E-03	1.51E-07	1.08E-04	2.83E-05	2.10E-03
2848	490119.73	3859355.34	4.42E-03	1.79E-07	1.09E-04	2.82E-05	4.56E-03	2.09E-03	7.36E-02	8.17E-03	1.03E-03	8.49E-02	1.98E-03	1.47E-07	1.09E-04	2.82E-05	2.12E-03
2849	490169.73	3859355.34	4.58E-03	1.73E-07	1.10E-04	2.81E-05	4.72E-03	2.16E-03	7.11E-02	8.27E-03	1.03E-03	8.26E-02	2.05E-03	1.42E-07	1.10E-04	2.81E-05	2.19E-03
2850	490219.73	3859355.34	4.58E-03	1.66E-07	1.11E-04	2.81E-05	4.72E-03	2.16E-03	6.83E-02	8.35E-03	1.03E-03	7.98E-02	2.05E-03	1.36E-07	1.11E-04	2.81E-05	2.19E-03
2851	490269.73	3859355.34	4.54E-03	1.59E-07	1.08E-04	2.80E-05	4.68E-03	2.14E-03	6.57E-02	8.11E-03	1.03E-03	7.70E-02	2.04E-03	1.31E-07	1.08E-04	2.80E-05	2.17E-03
2852	490319.73	3859355.34	4.48E-03	1.53E-07	1.12E-04	2.81E-05	4.62E-03	2.11E-03	6.31E-02	8.43E-03	1.03E-03	7.47E-02	2.01E-03	1.26E-07	1.12E-04	2.81E-05	2.15E-03
2853	490069.73	3859405.34	4.24E-03	1.86E-07	1.05E-04	2.84E-05	4.38E-03	2.00E-03	7.65E-02	7.91E-03	1.04E-03	8.74E-02	1.90E-03	1.52E-07	1.05E-04	2.84E-05	2.04E-03
2854	490119.73	3859405.34	4.30E-03	1.80E-07	1.09E-04	2.84E-05	4.44E-03	2.03E-03	7.43E-02	8.19E-03	1.04E-03	8.55E-02	1.93E-03	1.48E-07	1.09E-04	2.84E-05	2.07E-03
2855	490169.73	3859405.34	4.28E-03	1.74E-07	1.09E-04	2.82E-05	4.42E-03	2.02E-03	7.19E-02	8.19E-03	1.03E-03	8.31E-02	1.92E-03	1.43E-07	1.09E-04	2.82E-05	2.06E-03
2856	490219.73	3859405.34	4.48E-03	1.69E-07	1.07E-04	2.79E-05	4.61E-03	2.11E-03	6.97E-02	8.06E-03	1.02E-03	8.09E-02	2.01E-03	1.39E-07	1.07E-04	2.79E-05	2.14E-03
2857	490269.73	3859405.34	4.49E-03	1.64E-07	1.08E-04	2.79E-05	4.63E-03	2.12E-03	6.75E-02	8.11E-03	1.02E-03	7.87E-02	2.01E-03	1.34E-07	1.08E-04	2.79E-05	2.15E-03
2858	490319.73	3859405.34	4.47E-03	1.57E-07	1.06E-04	2.70E-05	4.60E-03	2.11E-03	6.49E-02	7.95E-03	9.90E-04	7.59E-02	2.00E-03	1.29E-07	1.06E-04	2.70E-05	2.14E-03
2859	490161.89	3859541.83	4.17E-03	1.71E-07	1.02E-04	2.72E-05	4.30E-03	1.97E-03	7.06E-02	7.62E-03	9.96E-04	8.11E-02	1.87E-03	1.41E-07	1.02E-04	2.72E-05	2.00E-03
2860	490171.89	3859541.83	4.14E-03	1.70E-07	9.92E-05	2.72E-05	4.26E-03	1.95E-03	7.02E-02	7.44E-03	9.98E-04	8.06E-02	1.85E-03	1.40E-07	9.92E-05	2.72E-05	1.98E-03
2861	490161.89	3859551.83	4.19E-03	1.71E-07	9.91E-05	2.73E-05	4.32E-03	1.98E-03	7.05E-02	7.43E-03	1.00E-03	8.09E-02	1.88E-03	1.40E-07	9.91E-05	2.73E-05	2.01E-03
2862	490171.89	3859551.83	4.16E-03	1.70E-07	1.01E-04	2.73E-05	4.29E-03	1.96E-03	7.01E-02	7.55E-03	1.00E-03	8.06E-02	1.87E-03	1.40E-07	1.01E-04	2.73E-05	1.99E-03
2863	489799.72	3859348.21	4.92E-03	2.12E-07	9.49E-05	2.87E-05	5.04E-03	2.32E-03	8.72E-02	7.11E-03	1.05E-03	9.76E-02	2.21E-03	1.74E-07	9.49E-05	2.87E-05	2.33E-03

2864	489819.72	3859348.21	4.84E-03	2.09E-07	9.70E-05	2.87E-05	4.96E-03	2.28E-03	8.62E-02	7.28E-03	1.05E-03	9.68E-02	2.17E-03	1.72E-07	9.70E-05	2.87E-05	2.29E-03
2865	489799.72	3859368.21	4.90E-03	2.10E-07	9.30E-05	2.84E-05	5.02E-03	2.31E-03	8.67E-02	6.98E-03	1.04E-03	9.70E-02	2.20E-03	1.73E-07	9.30E-05	2.84E-05	2.32E-03
2866	489819.72	3859368.21	4.92E-03	2.08E-07	9.42E-05	2.84E-05	5.05E-03	2.32E-03	8.56E-02	7.07E-03	1.04E-03	9.60E-02	2.21E-03	1.70E-07	9.42E-05	2.84E-05	2.33E-03
2867	489775.41	3859329.72	4.96E-03	2.16E-07	9.58E-05	2.98E-05	5.09E-03	2.34E-03	8.91E-02	7.19E-03	1.09E-03	9.97E-02	2.23E-03	1.77E-07	9.58E-05	2.98E-05	2.35E-03
2868	489795.41	3859329.72	4.88E-03	2.14E-07	9.75E-05	2.90E-05	5.00E-03	2.30E-03	8.81E-02	7.31E-03	1.06E-03	9.87E-02	2.19E-03	1.75E-07	9.75E-05	2.90E-05	2.31E-03
2869	489775.41	3859349.72	4.94E-03	2.15E-07	9.46E-05	2.87E-05	5.07E-03	2.33E-03	8.85E-02	7.09E-03	1.05E-03	9.90E-02	2.22E-03	1.76E-07	9.46E-05	2.87E-05	2.34E-03
2870	489795.41	3859349.72	4.97E-03	2.12E-07	9.48E-05	2.87E-05	5.10E-03	2.35E-03	8.73E-02	7.11E-03	1.05E-03	9.78E-02	2.23E-03	1.74E-07	9.48E-05	2.87E-05	2.35E-03
2871	489595.05	3859219.43	5.38E-03	2.25E-07	1.01E-04	3.17E-05	5.51E-03	2.54E-03	9.26E-02	7.54E-03	1.16E-03	1.04E-01	2.41E-03	1.84E-07	1.01E-04	3.17E-05	2.55E-03
2872	489615.05	3859219.43	5.29E-03	2.21E-07	1.01E-04	3.14E-05	5.42E-03	2.49E-03	9.11E-02	7.59E-03	1.15E-03	1.02E-01	2.37E-03	1.82E-07	1.01E-04	3.14E-05	2.50E-03
2873	489595.05	3859239.43	5.65E-03	2.27E-07	9.61E-05	3.19E-05	5.78E-03	2.66E-03	9.36E-02	7.21E-03	1.17E-03	1.05E-01	2.53E-03	1.86E-07	9.61E-05	3.19E-05	2.66E-03
2874	489615.05	3859239.43	5.39E-03	2.24E-07	1.00E-04	3.17E-05	5.52E-03	2.54E-03	9.21E-02	7.52E-03	1.16E-03	1.03E-01	2.42E-03	1.83E-07	1.00E-04	3.17E-05	2.55E-03
2875	489372.4	3859092.58	6.25E-03	2.41E-07	1.01E-04	3.06E-05	6.38E-03	2.95E-03	9.93E-02	7.61E-03	1.12E-03	1.11E-01	2.80E-03	1.98E-07	1.01E-04	3.06E-05	2.94E-03
2876	489422.4	3859092.58	6.06E-03	2.30E-07	1.07E-04	3.07E-05	6.20E-03	2.86E-03	9.48E-02	7.99E-03	1.13E-03	1.07E-01	2.72E-03	1.89E-07	1.07E-04	3.07E-05	2.85E-03
2877	489372.4	3859142.58	6.13E-03	2.53E-07	9.18E-05	3.25E-05	6.26E-03	2.89E-03	1.04E-01	6.88E-03	1.19E-03	1.15E-01	2.75E-03	2.07E-07	9.18E-05	3.25E-05	2.87E-03
2878	489422.4	3859142.58	6.13E-03	2.41E-07	9.71E-05	3.25E-05	6.26E-03	2.89E-03	9.91E-02	7.28E-03	1.19E-03	1.11E-01	2.75E-03	1.97E-07	9.71E-05	3.25E-05	2.88E-03
2879	488870.84	3858666.64	7.67E-03	2.04E-07	1.56E-04	3.32E-05	7.86E-03	3.62E-03	8.40E-02	1.17E-02	1.22E-03	1.00E-01	3.44E-03	1.67E-07	1.56E-04	3.32E-05	3.63E-03
2880	488900.84	3858666.64	7.28E-03	2.01E-07	1.60E-04	3.28E-05	7.48E-03	3.44E-03	8.30E-02	1.20E-02	1.20E-03	9.96E-02	3.27E-03	1.65E-07	1.60E-04	3.28E-05	3.46E-03
2881	488870.84	3858696.64	7.85E-03	2.14E-07	1.42E-04	3.58E-05	8.02E-03	3.70E-03	8.81E-02	1.06E-02	1.31E-03	1.04E-01	3.52E-03	1.75E-07	1.42E-04	3.58E-05	3.70E-03
2882	488900.84	3858696.64	7.64E-03	2.12E-07	1.45E-04	3.54E-05	7.82E-03	3.60E-03	8.73E-02	1.09E-02	1.30E-03	1.03E-01	3.43E-03	1.74E-07	1.45E-04	3.54E-05	3.61E-03
2883	488889.67	3858683.97	7.63E-03	2.08E-07	1.49E-04	3.45E-05	7.82E-03	3.60E-03	8.59E-02	1.12E-02	1.27E-03	1.02E-01	3.42E-03	1.71E-07	1.49E-04	3.45E-05	3.61E-03
2884	488919.67	3858683.97	7.26E-03	2.07E-07	1.53E-04	3.40E-05	7.44E-03	3.42E-03	8.53E-02	1.15E-02	1.25E-03	1.01E-01	3.25E-03	1.70E-07	1.53E-04	3.40E-05	3.44E-03
2885	488889.67	3858713.97	7.77E-03	2.18E-07	1.35E-04	3.52E-05	7.94E-03	3.67E-03	8.97E-02	1.02E-02	1.29E-03	1.05E-01	3.49E-03	1.79E-07	1.35E-04	3.52E-05	3.66E-03
2886	488919.67	3858713.97	7.60E-03	2.16E-07	1.39E-04	3.51E-05	7.78E-03	3.59E-03	8.88E-02	1.04E-02	1.29E-03	1.04E-01	3.41E-03	1.77E-07	1.39E-04	3.51E-05	3.58E-03
2887	488906.61	3858703.33	7.64E-03	2.14E-07	1.43E-04	3.57E-05	7.82E-03	3.60E-03	8.80E-02	1.07E-02	1.31E-03	1.04E-01	3.43E-03	1.75E-07	1.43E-04	3.57E-05	3.61E-03
2888	488936.61	3858703.33	7.28E-03	2.10E-07	1.45E-04	3.53E-05	7.46E-03	3.43E-03	8.66E-02	1.09E-02	1.29E-03	1.02E-01	3.27E-03	1.72E-07	1.45E-04	3.53E-05	3.45E-03
2889	488906.61	3858733.33	7.72E-03	2.21E-07	1.28E-04	3.44E-05	7.88E-03	3.64E-03	9.12E-02	9.59E-03	1.26E-03	1.06E-01	3.46E-03	1.82E-07	1.28E-04	3.44E-05	3.62E-03
2890	488936.61	3858733.33	7.60E-03	2.19E-07	1.32E-04	3.41E-05	7.77E-03	3.59E-03	9.01E-02	9.91E-03	1.25E-03	1.05E-01	3.41E-03	1.80E-07	1.32E-04	3.41E-05	3.58E-03
2891	488637.63	3858467.85	8.36E-03	1.65E-07	2.85E-04	3.10E-05	8.67E-03	3.94E-03	6.81E-02	2.14E-02	1.14E-03	9.45E-02	3.75E-03	1.36E-07	2.85E-04	3.10E-05	4.06E-03
2892	488662.63	3858467.85	8.24E-03	1.63E-07	2.95E-04	3.18E-05	8.57E-03	3.89E-03	6.73E-02	2.22E-02	1.16E-03	9.45E-02	3.70E-03	1.34E-07	2.95E-04	3.18E-05	4.02E-03
2893	488637.63	3858492.85	8.60E-03	1.68E-07	2.64E-04	3.26E-05	8.90E-03	4.06E-03	6.94E-02	1.98E-02	1.19E-03	9.45E-02	3.86E-03	1.38E-07	2.64E-04	3.26E-05	4.16E-03
2894	488662.63	3858492.85	8.27E-03	1.67E-07	2.64E-04	3.26E-05	8.57E-03	3.90E-03	6.87E-02	1.98E-02	1.20E-03	9.35E-02	3.71E-03	1.37E-07	2.64E-04	3.26E-05	4.01E-03
2895	488687.63	3858492.85	8.11E-03	1.65E-07	2.65E-04	3.28E-05	8.41E-03	3.83E-03	6.80E-02	1.98E-02	1.20E-03	9.29E-02	3.64E-03	1.36E-07	2.65E-04	3.28E-05	3.94E-03
2896	488637.63	3858517.85	8.80E-03	1.73E-07	2.29E-04	3.14E-05	9.06E-03	4.15E-03	7.14E-02	1.72E-02	1.15E-03	9.39E-02	3.95E-03	1.42E-07	2.29E-04	3.14E-05	4.21E-03
2897	488662.63	3858517.85	8.55E-03	1.72E-07	2.41E-04	3.29E-05	8.83E-03	4.03E-03	7.08E-02	1.81E-02	1.21E-03	9.41E-02	3.84E-03	1.41E-07	2.41E-04	3.29E-05	4.11E-03
2898	488687.63	3858517.85	8.24E-03	1.70E-07	2.44E-04	3.31E-05	8.51E-03	3.89E-03	7.01E-02	1.83E-02	1.21E-03	9.35E-02	3.69E-03	1.40E-07	2.44E-04	3.31E-05	3.97E-03
2899	488194.42	3857168.98	1.78E-02	7.63E-08	1.20E-04	2.43E-05	1.80E-02	8.41E-03	3.14E-02	8.96E-03	8.91E-04	4.97E-02	8.00E-03	6.26E-08	1.20E-04	2.43E-05	8.14E-03
2900	488244.42	3857168.98	1.72E-02	7.77E-08	1.12E-04	2.49E-05	1.73E-02	8.11E-03	3.20E-02	8.37E-03	9.12E-04	4.94E-02	7.71E-03	6.37E-08	1.12E-04	2.49E-05	7.85E-03
2901	488294.42	3857168.98	1.67E-02	7.74E-08	1.14E-04	2.49E-05	1.68E-02	7.86E-03	3.19E-02	8.59E-03	9.12E-04	4.92E-02	7.47E-03	6.35E-08	1.14E-04	2.49E-05	7.61E-03
2902	488244.42	3857218.98	1.62E-02	7.64E-08	1.16E-04	2.46E-05	1.63E-02	7.62E-03	3.15E-02	8.70E-03	9.02E-04	4.87E-02	7.25E-03	6.27E-08	1.16E-04	2.46E-05	7.39E-03
2903	488294.42	3857218.98	1.57E-02	7.73E-08	1.19E-04	2.44E-05	1.59E-02	7.41E-03	3.18E-02	8.89E-03	8.95E-04	4.90E-02	7.05E-03	6.34E-08	1.19E-04	2.44E-05	7.19E-03
2904	488294.42	3857268.98	1.52E-02	7.78E-08	1.25E-04	2.32E-05	1.54E-02	7.18E-03	3.20E-02	9.39E-03	8.50E-04	4.95E-02	6.83E-03	6.38E-08	1.25E-04	2.32E-05	6.98E-03
2905	488139.13	3857111.68	1.96E-02	7.63E-08	1.11E-04	2.55E-05	1.97E-02	9.22E-03	3.15E-02	8.33E-03	9.34E-04	4.99E-02	8.77E-03	6.27E-08	1.11E-04	2.55E-05	8.91E-03
2906	488189.13	3857111.68	1.88E-02	7.75E-08	1.08E-04	2.57E-05	1.89E-02	8.85E-03	3.19E-02	8.10E-03	9.42E-04	4.98E-02	8.42E-03	6.36E-08	1.08E-04	2.57E-05	8.55E-03
2907	488189.13	3857161.68	1.81E-02	7.65E-08	1.17E-04	2.48E-05	1.82E-02	8.52E-03	3.15E-02	8.75E-03	9.08E-04	4.97E-02	8.10E-03	6.27E-08	1.17E-04	2.48E-05	8.24E-03
2908	487951.04	3856961.26	2.47E-02	6.89E-08	1.01E-04	2.73E-05	2.49E-02	1.17E-02	2.84E-02	7.57E-03	1.00E-03	4.86E-02	1.11E-02	5.65E-08	1.01E-04	2.73E-05	1.12E-02
2909	488001.04	3856961.26	2.40E-02	6.94E-08	1.06E-04	2.65E-05	2.41E-02	1.13E-02	2.86E-02	7.97E-03	9.71E-04	4.88E-02	1.07E-02	5.69E-08	1.06E-04	2.65E-05	1.09E-02
2910	488051.04	3856961.26	2.32E-02	6.90E-08	8.56E-05	2.59E-05	2.33E-02	1.09E-02	2.84E-02	6.42E-03	9.50E-04	4.67E-02	1.04E-02	5.66E-08	8.56E-05	2.59E-05	1.05E-02
2911	488101.04	3856961.26	2.23E-02	7.05E-08	8.80E-05	2.56E-05	2.24E-02	1.05E-02	2.90E-02	6.60E-03	9.38E-04	4.71E-02	1.00E-02	5.79E-08	8.80E-05	2.56E-05	1.01E-02
2912	487951.04	3857011.26	2.46E-02	7.23E-08	1.11E-04	2.67E-05	2.47E-02	1.16E-02	2.98E-02	8.33E-03	9.79E-04	5.07E-02	1.10E-02	5.93E-08	1.11E-04	2.67E-05	1.12E-02
2913	488001.04	3857011.26	2.37E-02	7.17E-08	1.15E-04	2.77E-05	2.39E-02	1.12E-02	2.95E-02	8.66E-03	1.02E-03	5.04E-02	1.06E-02	5.88E-08	1.15E-04	2.77E-05	1.08E-02
2914	488051.04	3857011.26	2.29E-02	7.12E-08	9.30E-05	2.79E-05	2.31E-02	1.08E-02	2.93E-02	6.97E-03	1.02E-03	4.82E-02	1.03E-02	5.85E-08	9.30E-05	2.79E-05	1.04E-02
2915	488101.04	3857011.26	2.20E-02	7.27E-08	9.60E-05	2.61E-05	2.21E-02	1.04E-02	2.99E-02	7.20E-03	9.58E-04	4.85E-02	9.87E-03	5.96E-08	9.60E-05	2.61E-05	1.00E-02
2916	488001.04	3857061.26	2.23E-02	7.41E-08	1.25E-04	2.64E-05	2.25E-02	1.05E-02	3.05E-02	9.40E-03	9.70E-04	5.14E-02	1.00E-02	6.08E-08	1.25E-04	2.64E-05	1.02E-02
2917	488051.04	3857061.26	2.15E-02	7.43E-08	1.01E-04	2.63E-05	2.16E-02	1.01E-02	3.06E-02	7.61E-03	9.65E-04	4.93E-02	9.63E-03	6.10E-08	1.01E-04	2.63E-05	9.76E-03
2918	488101.04	3857061.26	2.08E-02	7.48E-08	1.05E-04	2.62E-05	2.09E-02	9.80E-03	3.08E-02	7.89E-03	9.61E-04	4.95E-02	9.31E-03	6.14E-08	1.05E-04	2.62E-05	9.45E-03
2919	487638.98	3856673.79	3.05E-02	5.50E-08	1.20E-04	3.37E-05	3.07E-02	1.44E-02	2.27E-02	8.99E-03	1.24E-03	4.73E-02	1.37E-02	4.52E-08	1.20E-04	3.37E-05	1.38E-02
2920	487688.98	3856673.79	2.91E-02	5.45E-08	1.23E-04	3.15E-05	2.93E-02	1.37E-02	2.25E-02	9.23E-03	1.15E-03	4.66E-02	1.31E-02	4.47E-08	1.23E-04	3.15E-05	1.32E-02
2921	487638.98	3856723.79	3.10E-02	5.74E-08	1.13E-04	3.37E-05	3.12E-02	1.46E-02	2.37E-02	8.51E-03	1.24E-03	4.80E-02	1.39E-02	4.71E-08	1.13E-04	3.37E-05	1.41E-02
2922	487688.98	3856723.79	3.00E-02	5.70E-08	1.24E-04	3.18E-05	3.02E-02	1.42E-02	2.35E-02	9.33E-03	1.17E-03	4.82E-02	1.35E-02	4.68E-08	1.24E-04	3.18E-05	1.36E-02
2923	486324.61	3855740.57	2.44E-02	2.65E-08	4.86E-05	4.97E-05	2.45E-02	1.15E-02	1.09E-02	3.64E-03	1.82E-03	2.79E-02	1.10E-02	2.18E-08	4.86E-05	4.97E-05	1.11E-02
2924	486374.61	3855740.57	2.19E-02	2.58E-08	4.69E-05	5.16E-05	2.20E-02	1.03E-02	1.06E-02	3.52E-03	1.89E-03	2.64E-02	9.84E-03	2.11E-08	4.69E-05	5.16E-05	9.93E-03

2925	486424.61	3855740.57	2.08E-02	2.51E-08	5.15E-05	5.27E-05	2.09E-02	9.80E-03	1.03E-02	3.86E-03	1.93E-03	2.59E-02	9.31E-03	2.06E-08	5.15E-05	5.27E-05	9.42E-03
2926	486324.61	3855790.57	2.64E-02	2.77E-08	4.84E-05	5.36E-05	2.65E-02	1.24E-02	1.14E-02	3.63E-03	1.97E-03	2.94E-02	1.18E-02	2.27E-08	4.84E-05	5.36E-05	1.19E-02
2927	486374.61	3855790.57	2.40E-02	2.69E-08	4.86E-05	5.39E-05	2.41E-02	1.13E-02	1.11E-02	3.65E-03	1.98E-03	2.80E-02	1.08E-02	2.21E-08	4.86E-05	5.39E-05	1.09E-02
2928	486424.61	3855790.57	2.32E-02	2.66E-08	4.74E-05	5.21E-05	2.33E-02	1.09E-02	1.10E-02	3.56E-03	1.91E-03	2.74E-02	1.04E-02	2.18E-08	4.74E-05	5.21E-05	1.05E-02
2929	486324.61	3855840.57	2.81E-02	2.87E-08	4.73E-05	5.41E-05	2.82E-02	1.32E-02	1.18E-02	3.55E-03	1.98E-03	3.06E-02	1.26E-02	2.35E-08	4.73E-05	5.41E-05	1.27E-02
2930	486374.61	3855840.57	2.70E-02	2.84E-08	4.96E-05	5.45E-05	2.71E-02	1.27E-02	1.17E-02	3.72E-03	2.00E-03	3.02E-02	1.21E-02	2.33E-08	4.96E-05	5.45E-05	1.22E-02
2931	486424.61	3855840.57	2.56E-02	2.81E-08	4.87E-05	5.41E-05	2.57E-02	1.21E-02	1.16E-02	3.66E-03	1.98E-03	2.93E-02	1.15E-02	2.30E-08	4.87E-05	5.41E-05	1.16E-02
2932	486324.61	3855890.57	3.12E-02	3.07E-08	4.60E-05	5.65E-05	3.13E-02	1.47E-02	1.26E-02	3.45E-03	2.07E-03	3.29E-02	1.40E-02	2.52E-08	4.60E-05	5.65E-05	1.41E-02
2933	486374.61	3855890.57	2.98E-02	3.02E-08	4.85E-05	5.65E-05	2.99E-02	1.40E-02	1.24E-02	3.64E-03	2.07E-03	3.22E-02	1.33E-02	2.47E-08	4.85E-05	5.65E-05	1.35E-02
2934	486424.61	3855890.57	2.81E-02	2.94E-08	5.03E-05	5.66E-05	2.82E-02	1.32E-02	1.21E-02	3.77E-03	2.07E-03	3.12E-02	1.26E-02	2.41E-08	5.03E-05	5.66E-05	1.27E-02
2935	488735.69	3858285.64	8.31E-03	1.35E-07	5.32E-04	2.71E-05	8.87E-03	3.92E-03	5.58E-02	3.99E-02	9.93E-04	1.01E-01	3.73E-03	1.11E-07	5.32E-04	2.71E-05	4.29E-03
2936	488765.69	3858285.64	8.04E-03	1.33E-07	5.00E-04	2.77E-05	8.57E-03	3.79E-03	5.50E-02	3.75E-02	1.01E-03	9.73E-02	3.61E-03	1.09E-07	5.00E-04	2.77E-05	4.13E-03
2937	488735.69	3858315.64	8.25E-03	1.38E-07	4.89E-04	2.65E-05	8.76E-03	3.89E-03	5.66E-02	3.66E-02	9.70E-04	9.81E-02	3.70E-03	1.13E-07	4.89E-04	2.65E-05	4.21E-03
2938	488765.69	3858315.64	8.25E-03	1.36E-07	4.87E-04	2.76E-05	8.77E-03	3.89E-03	5.59E-02	3.66E-02	1.01E-03	9.74E-02	3.70E-03	1.11E-07	4.87E-04	2.76E-05	4.22E-03
2939	478676.63	3849871.93	2.29E-03	1.73E-08	1.24E-05	7.61E-06	2.31E-03	1.08E-03	7.13E-03	9.32E-04	2.79E-04	9.42E-03	1.03E-03	1.42E-08	1.24E-05	7.61E-06	1.05E-03
2940	479326.63	3849871.93	3.34E-03	1.30E-08	7.77E-06	7.42E-06	3.35E-03	1.57E-03	5.37E-03	5.83E-04	2.72E-04	7.80E-03	1.50E-03	1.07E-08	7.77E-06	7.42E-06	1.51E-03
2941	479376.63	3849871.93	3.39E-03	1.27E-08	7.58E-06	7.45E-06	3.40E-03	1.60E-03	5.22E-03	5.68E-04	2.73E-04	7.66E-03	1.52E-03	1.04E-08	7.58E-06	7.45E-06	1.54E-03
2942	479426.63	3849871.93	3.55E-03	1.21E-08	7.20E-06	7.47E-06	3.56E-03	1.67E-03	4.98E-03	5.40E-04	2.74E-04	7.46E-03	1.59E-03	9.92E-09	7.20E-06	7.47E-06	1.60E-03
2943	478726.63	3849921.93	2.30E-03	1.76E-08	1.25E-05	7.64E-06	2.32E-03	1.09E-03	7.26E-03	9.40E-04	2.80E-04	9.57E-03	1.03E-03	1.45E-08	1.25E-05	7.64E-06	1.05E-03
2944	478776.63	3849921.93	2.32E-03	1.75E-08	1.23E-05	7.50E-06	2.34E-03	1.10E-03	7.20E-03	9.20E-04	2.75E-04	9.49E-03	1.04E-03	1.44E-08	1.23E-05	7.50E-06	1.06E-03
2945	478826.63	3849921.93	2.40E-03	1.77E-08	1.20E-05	7.36E-06	2.42E-03	1.13E-03	7.28E-03	8.98E-04	2.70E-04	9.57E-03	1.08E-03	1.45E-08	1.20E-05	7.36E-06	1.09E-03
2946	478976.63	3849921.93	2.81E-03	1.77E-08	1.10E-05	7.07E-06	2.83E-03	1.33E-03	7.28E-03	8.27E-04	2.59E-04	9.69E-03	1.26E-03	1.45E-08	1.10E-05	7.07E-06	1.28E-03
2947	479026.63	3849921.93	2.65E-03	1.77E-08	1.07E-05	7.22E-06	2.67E-03	1.25E-03	7.30E-03	8.01E-04	2.65E-04	9.62E-03	1.19E-03	1.45E-08	1.07E-05	7.22E-06	1.21E-03
2948	479076.63	3849921.93	2.46E-03	1.71E-08	1.01E-05	7.38E-06	2.48E-03	1.16E-03	7.06E-03	7.61E-04	2.71E-04	9.25E-03	1.10E-03	1.41E-08	1.01E-05	7.38E-06	1.12E-03
2949	479126.63	3849921.93	2.71E-03	1.68E-08	9.46E-06	7.55E-06	2.72E-03	1.28E-03	6.92E-03	7.10E-04	2.77E-04	9.18E-03	1.21E-03	1.38E-08	9.46E-06	7.55E-06	1.23E-03
2950	479176.63	3849921.93	2.90E-03	1.66E-08	8.80E-06	7.72E-06	2.91E-03	1.37E-03	6.83E-03	6.60E-04	2.83E-04	9.14E-03	1.30E-03	1.36E-08	8.80E-06	7.72E-06	1.32E-03
2951	479226.63	3849921.93	2.95E-03	1.56E-08	8.16E-06	7.84E-06	2.97E-03	1.39E-03	6.44E-03	6.12E-04	2.88E-04	8.73E-03	1.32E-03	1.28E-08	8.16E-06	7.84E-06	1.34E-03
2952	479276.63	3849921.93	2.95E-03	1.42E-08	7.53E-06	7.60E-06	2.96E-03	1.39E-03	5.84E-03	5.65E-04	2.79E-04	8.07E-03	1.32E-03	1.16E-08	7.53E-06	7.60E-06	1.34E-03
2953	479326.63	3849921.93	3.15E-03	1.42E-08	7.43E-06	7.43E-06	3.16E-03	1.48E-03	5.87E-03	5.57E-04	2.72E-04	8.18E-03	1.41E-03	1.17E-08	7.43E-06	7.43E-06	1.43E-03
2954	479376.63	3849921.93	3.37E-03	1.33E-08	7.81E-06	7.46E-06	3.38E-03	1.59E-03	5.47E-03	5.86E-04	2.74E-04	7.92E-03	1.51E-03	1.09E-08	7.81E-06	7.46E-06	1.52E-03
2955	479426.63	3849921.93	3.43E-03	1.36E-08	7.66E-06	7.49E-06	3.44E-03	1.62E-03	5.62E-03	5.75E-04	2.75E-04	8.08E-03	1.54E-03	1.12E-08	7.66E-06	7.49E-06	1.55E-03
2956	478726.63	3849971.93	2.34E-03	1.81E-08	1.29E-05	7.80E-06	2.36E-03	1.10E-03	7.44E-03	9.66E-04	2.86E-04	9.80E-03	1.05E-03	1.48E-08	1.29E-05	7.80E-06	1.07E-03
2957	478776.63	3849971.93	2.32E-03	1.79E-08	1.26E-05	7.67E-06	2.34E-03	1.09E-03	7.37E-03	9.47E-04	2.81E-04	9.69E-03	1.04E-03	1.47E-08	1.26E-05	7.67E-06	1.06E-03
2958	478826.63	3849971.93	2.33E-03	1.77E-08	1.24E-05	7.53E-06	2.35E-03	1.10E-03	7.28E-03	9.27E-04	2.76E-04	9.58E-03	1.04E-03	1.45E-08	1.24E-05	7.53E-06	1.06E-03
2959	478976.63	3849971.93	2.66E-03	1.81E-08	1.15E-05	7.08E-06	2.68E-03	1.25E-03	7.47E-03	8.59E-04	2.60E-04	9.85E-03	1.19E-03	1.49E-08	1.15E-05	7.08E-06	1.21E-03
2960	479026.63	3849971.93	2.83E-03	1.82E-08	1.11E-05	7.14E-06	2.85E-03	1.33E-03	7.48E-03	8.34E-04	2.62E-04	9.91E-03	1.27E-03	1.49E-08	1.11E-05	7.14E-06	1.29E-03
2961	479076.63	3849971.93	2.67E-03	1.78E-08	1.08E-05	7.30E-06	2.69E-03	1.26E-03	7.34E-03	8.08E-04	2.68E-04	9.67E-03	1.20E-03	1.46E-08	1.08E-05	7.30E-06	1.21E-03
2962	479126.63	3849971.93	2.48E-03	1.74E-08	1.03E-05	7.46E-06	2.50E-03	1.17E-03	7.17E-03	7.72E-04	2.74E-04	9.39E-03	1.11E-03	1.43E-08	1.03E-05	7.46E-06	1.13E-03
2963	479176.63	3849971.93	2.71E-03	1.71E-08	9.61E-06	7.63E-06	2.73E-03	1.28E-03	7.03E-03	7.21E-04	2.80E-04	9.31E-03	1.21E-03	1.40E-08	9.61E-06	7.63E-06	1.23E-03
2964	479226.63	3849971.93	2.95E-03	1.53E-08	8.91E-06	7.85E-06	2.97E-03	1.39E-03	6.30E-03	6.69E-04	2.88E-04	8.65E-03	1.32E-03	1.26E-08	8.91E-06	7.85E-06	1.34E-03
2965	479276.63	3849971.93	2.97E-03	1.59E-08	8.29E-06	7.87E-06	2.98E-03	1.40E-03	6.56E-03	6.21E-04	2.89E-04	8.87E-03	1.33E-03	1.31E-08	8.29E-06	7.87E-06	1.35E-03
2966	479326.63	3849971.93	2.97E-03	1.56E-08	7.68E-06	7.63E-06	2.98E-03	1.40E-03	6.43E-03	5.76E-04	2.80E-04	8.68E-03	1.33E-03	1.28E-08	7.68E-06	7.63E-06	1.35E-03
2967	479376.63	3849971.93	3.18E-03	1.41E-08	7.46E-06	7.47E-06	3.20E-03	1.50E-03	5.81E-03	5.59E-04	2.74E-04	8.14E-03	1.43E-03	1.16E-08	7.46E-06	7.47E-06	1.44E-03
2968	479426.63	3849971.93	3.36E-03	1.42E-08	7.85E-06	7.50E-06	3.38E-03	1.59E-03	5.86E-03	5.89E-04	2.75E-04	8.31E-03	1.51E-03	1.17E-08	7.85E-06	7.50E-06	1.52E-03
2969	478726.63	3850021.93	2.33E-03	1.85E-08	1.31E-05	7.96E-06	2.35E-03	1.10E-03	7.61E-03	9.86E-04	2.92E-04	9.98E-03	1.04E-03	1.52E-08	1.31E-05	7.96E-06	1.07E-03
2970	478776.63	3850021.93	2.35E-03	1.83E-08	1.30E-05	7.83E-06	2.37E-03	1.11E-03	7.54E-03	9.73E-04	2.87E-04	9.90E-03	1.05E-03	1.50E-08	1.30E-05	7.83E-06	1.07E-03
2971	478826.63	3850021.93	2.33E-03	1.81E-08	1.27E-05	7.69E-06	2.35E-03	1.10E-03	7.47E-03	9.55E-04	2.82E-04	9.81E-03	1.05E-03	1.49E-08	1.27E-05	7.69E-06	1.07E-03
2972	478976.63	3850021.93	2.44E-03	1.86E-08	1.19E-05	7.25E-06	2.46E-03	1.15E-03	7.65E-03	8.91E-04	2.66E-04	9.96E-03	1.10E-03	1.52E-08	1.19E-05	7.25E-06	1.12E-03
2973	478726.63	3850071.93	2.27E-03	1.89E-08	1.30E-05	8.12E-06	2.29E-03	1.07E-03	7.77E-03	9.75E-04	2.98E-04	1.01E-02	1.02E-03	1.55E-08	1.30E-05	8.12E-06	1.04E-03
2974	478776.63	3850071.93	2.33E-03	1.88E-08	1.32E-05	7.99E-06	2.35E-03	1.10E-03	7.74E-03	9.89E-04	2.93E-04	1.01E-02	1.04E-03	1.54E-08	1.32E-05	7.99E-06	1.06E-03
2975	478826.63	3850071.93	2.35E-03	1.86E-08	1.31E-05	7.86E-06	2.37E-03	1.11E-03	7.67E-03	9.81E-04	2.88E-04	1.01E-02	1.05E-03	1.53E-08	1.31E-05	7.86E-06	1.08E-03
2976	478876.63	3850071.93	2.34E-03	1.85E-08	1.28E-05	7.72E-06	2.36E-03	1.10E-03	7.62E-03	9.62E-04	2.83E-04	9.97E-03	1.05E-03	1.52E-08	1.28E-05	7.72E-06	1.07E-03
2977	478976.63	3850071.93	2.39E-03	1.91E-08	1.23E-05	7.43E-06	2.41E-03	1.13E-03	7.85E-03	9.21E-04	2.72E-04	1.02E-02	1.07E-03	1.56E-08	1.23E-05	7.43E-06	1.09E-03
2978	478726.63	3850121.93	2.18E-03	1.92E-08	1.29E-05	8.27E-06	2.20E-03	1.03E-03	7.91E-03	9.65E-04	3.03E-04	1.02E-02	9.76E-04	1.57E-08	1.29E-05	8.27E-06	9.97E-04
2979	478776.63	3850121.93	2.26E-03	1.92E-08	1.30E-05	8.15E-06	2.28E-03	1.07E-03	7.92E-03	9.78E-04	2.99E-04	1.03E-02	1.01E-03	1.58E-08	1.30E-05	8.15E-06	1.03E-03
2980	478826.63	3850121.93	2.32E-03	1.91E-08	1.32E-05	8.02E-06	2.34E-03	1.09E-03	7.87E-03	9.92E-04	2.94E-04	1.03E-02	1.04E-03	1.57E-08	1.32E-05	8.02E-06	1.06E-03
2981	478876.63	3850121.93	2.35E-03	1.89E-08	1.32E-05	7.89E-06	2.37E-03	1.11E-03	7.80E-03	9.88E-04	2.89E-04	1.02E-02	1.05E-03	1.55E-08	1.32E-05	7.89E-06	1.08E-03
2982	478976.63	3850121.93	2.34E-03	1.90E-08	1.27E-05	7.60E-06	2.36E-03	1.10E-03	7.82E-03	9.50E-04	2.79E-04	1.01E-02	1.05E-03	1.56E-08	1.27E-05	7.60E-06	1.07E-03
2983	479026.63	3850121.93	2.38E-03	1.95E-08	1.24E-05	7.45E-06	2.40E-03	1.12E-03	8.02E-03	9.29E-04	2.73E-04	1.03E-02	1.07E-03	1.60E-08	1.24E-05	7.45E-06	1.09E-03
2984	479076.63	3850121.93	2.44E-03	1.93E-08	1.21E-05	7.30E-06	2.46E-03	1.15E-03	7.95E-03	9.07E-04	2.67E-04	1.03E-02	1.09E-03	1.58E-08	1.21E-05	7.30E-06	1.11E-03
2985	479126.63	3850121.93	2.64E-03	1.91E-08	1.18E-05	7.20E-06	2.66E-03	1.24E-03	7.89E-03	8.83E-04	2.64E-04	1.03E-02	1.18E-03	1.57E-08	1.18E-05	7.20E-06	1.20E-03

2986	478776.63	3850171.93	2.16E-03	1.96E-08	1.29E-05	8.30E-06	2.18E-03	1.02E-03	8.06E-03	9.67E-04	3.04E-04	1.03E-02	9.68E-04	1.61E-08	1.29E-05	8.30E-06	9.90E-04
2987	478826.63	3850171.93	2.25E-03	1.95E-08	1.31E-05	8.18E-06	2.27E-03	1.06E-03	8.04E-03	9.81E-04	3.00E-04	1.04E-02	1.01E-03	1.60E-08	1.31E-05	8.18E-06	1.03E-03
2988	478876.63	3850171.93	2.32E-03	1.94E-08	1.33E-05	8.05E-06	2.34E-03	1.09E-03	7.98E-03	9.95E-04	2.95E-04	1.04E-02	1.04E-03	1.59E-08	1.33E-05	8.05E-06	1.06E-03
2989	478976.63	3850171.93	2.33E-03	1.93E-08	1.30E-05	7.77E-06	2.35E-03	1.10E-03	7.96E-03	9.78E-04	2.85E-04	1.03E-02	1.04E-03	1.58E-08	1.30E-05	7.77E-06	1.06E-03
2990	479026.63	3850171.93	2.34E-03	1.97E-08	1.28E-05	7.63E-06	2.36E-03	1.10E-03	8.11E-03	9.58E-04	2.80E-04	1.04E-02	1.05E-03	1.62E-08	1.28E-05	7.63E-06	1.07E-03
2991	479076.63	3850171.93	2.37E-03	1.99E-08	1.25E-05	7.47E-06	2.39E-03	1.12E-03	8.18E-03	9.37E-04	2.74E-04	1.05E-02	1.06E-03	1.63E-08	1.25E-05	7.47E-06	1.08E-03
2992	479126.63	3850171.93	2.43E-03	1.98E-08	1.22E-05	7.32E-06	2.45E-03	1.15E-03	8.14E-03	9.14E-04	2.68E-04	1.05E-02	1.09E-03	1.62E-08	1.22E-05	7.32E-06	1.11E-03
2993	479176.63	3850171.93	2.61E-03	1.98E-08	1.19E-05	7.27E-06	2.63E-03	1.23E-03	8.17E-03	8.91E-04	2.67E-04	1.06E-02	1.17E-03	1.63E-08	1.19E-05	7.27E-06	1.19E-03
2994	479226.63	3850171.93	2.76E-03	2.00E-08	1.15E-05	7.43E-06	2.78E-03	1.30E-03	8.24E-03	8.66E-04	2.72E-04	1.07E-02	1.24E-03	1.64E-08	1.15E-05	7.43E-06	1.26E-03
2995	479276.63	3850171.93	2.71E-03	2.02E-08	1.12E-05	7.59E-06	2.73E-03	1.28E-03	8.34E-03	8.40E-04	2.78E-04	1.07E-02	1.22E-03	1.66E-08	1.12E-05	7.59E-06	1.23E-03
2996	479326.63	3850171.93	2.64E-03	1.99E-08	1.08E-05	7.77E-06	2.66E-03	1.25E-03	8.18E-03	8.13E-04	2.85E-04	1.05E-02	1.19E-03	1.63E-08	1.08E-05	7.77E-06	1.20E-03
2997	479376.63	3850171.93	2.66E-03	1.94E-08	1.02E-05	7.95E-06	2.68E-03	1.25E-03	8.00E-03	7.69E-04	2.92E-04	1.03E-02	1.19E-03	1.59E-08	1.02E-05	7.95E-06	1.21E-03
2998	478676.63	3850221.93	1.79E-03	1.98E-08	1.24E-05	7.93E-06	1.81E-03	8.42E-04	8.16E-03	9.28E-04	2.91E-04	1.02E-02	8.01E-04	1.63E-08	1.24E-05	7.93E-06	8.21E-04
2999	478726.63	3850221.93	1.94E-03	2.02E-08	1.26E-05	8.13E-06	1.96E-03	9.15E-04	8.34E-03	9.42E-04	2.98E-04	1.05E-02	8.70E-04	1.66E-08	1.26E-05	8.13E-06	8.91E-04
3000	478976.63	3850221.93	2.32E-03	1.98E-08	1.34E-05	7.94E-06	2.34E-03	1.09E-03	8.17E-03	1.00E-03	2.91E-04	1.06E-02	1.04E-03	1.63E-08	1.34E-05	7.94E-06	1.06E-03
3001	479026.63	3850221.93	2.30E-03	2.00E-08	1.31E-05	7.80E-06	2.32E-03	1.09E-03	8.26E-03	9.86E-04	2.86E-04	1.06E-02	1.03E-03	1.64E-08	1.31E-05	7.80E-06	1.05E-03
3002	479076.63	3850221.93	2.35E-03	2.03E-08	1.29E-05	7.65E-06	2.37E-03	1.11E-03	8.38E-03	9.66E-04	2.81E-04	1.07E-02	1.05E-03	1.67E-08	1.29E-05	7.65E-06	1.07E-03
3003	479126.63	3850221.93	2.35E-03	2.05E-08	1.26E-05	7.50E-06	2.37E-03	1.11E-03	8.45E-03	9.45E-04	2.75E-04	1.08E-02	1.05E-03	1.68E-08	1.26E-05	7.50E-06	1.07E-03
3004	479176.63	3850221.93	2.41E-03	2.09E-08	1.23E-05	7.34E-06	2.43E-03	1.14E-03	8.60E-03	9.23E-04	2.69E-04	1.09E-02	1.08E-03	1.71E-08	1.23E-05	7.34E-06	1.10E-03
3005	479226.63	3850221.93	2.56E-03	2.09E-08	1.20E-05	7.34E-06	2.57E-03	1.21E-03	8.59E-03	8.99E-04	2.69E-04	1.10E-02	1.15E-03	1.71E-08	1.20E-05	7.34E-06	1.17E-03
3006	479276.63	3850221.93	2.70E-03	2.07E-08	1.17E-05	7.50E-06	2.72E-03	1.27E-03	8.52E-03	8.74E-04	2.75E-04	1.09E-02	1.21E-03	1.70E-08	1.17E-05	7.50E-06	1.23E-03
3007	479326.63	3850221.93	2.75E-03	2.03E-08	1.13E-05	7.68E-06	2.77E-03	1.30E-03	8.37E-03	8.48E-04	2.82E-04	1.08E-02	1.23E-03	1.67E-08	1.13E-05	7.68E-06	1.25E-03
3008	479376.63	3850221.93	2.69E-03	2.00E-08	1.09E-05	7.86E-06	2.71E-03	1.27E-03	8.26E-03	8.20E-04	2.88E-04	1.06E-02	1.21E-03	1.64E-08	1.09E-05	7.86E-06	1.23E-03
3009	478676.63	3850271.93	1.94E-03	2.03E-08	1.22E-05	7.81E-06	1.96E-03	9.17E-04	8.35E-03	9.16E-04	2.86E-04	1.05E-02	8.72E-04	1.66E-08	1.22E-05	7.81E-06	8.92E-04
3010	478726.63	3850271.93	1.77E-03	2.03E-08	1.24E-05	7.98E-06	1.79E-03	8.33E-04	8.35E-03	9.30E-04	2.93E-04	1.04E-02	7.92E-04	1.66E-08	1.24E-05	7.98E-06	8.12E-04
3011	478976.63	3850271.93	2.27E-03	2.03E-08	1.33E-05	8.11E-06	2.29E-03	1.07E-03	8.34E-03	1.00E-03	2.97E-04	1.07E-02	1.02E-03	1.66E-08	1.33E-05	8.11E-06	1.04E-03
3012	479026.63	3850271.93	2.29E-03	2.04E-08	1.35E-05	7.97E-06	2.31E-03	1.08E-03	8.40E-03	1.01E-03	2.92E-04	1.08E-02	1.03E-03	1.67E-08	1.35E-05	7.97E-06	1.05E-03
3013	479076.63	3850271.93	2.29E-03	2.09E-08	1.32E-05	7.83E-06	2.31E-03	1.08E-03	8.59E-03	9.93E-04	2.87E-04	1.10E-02	1.03E-03	1.71E-08	1.32E-05	7.83E-06	1.05E-03
3014	479126.63	3850271.93	2.34E-03	2.11E-08	1.30E-05	7.68E-06	2.36E-03	1.10E-03	8.68E-03	9.74E-04	2.81E-04	1.10E-02	1.05E-03	1.73E-08	1.30E-05	7.68E-06	1.07E-03
3015	479176.63	3850271.93	2.31E-03	2.16E-08	1.27E-05	7.52E-06	2.33E-03	1.09E-03	8.91E-03	9.53E-04	2.76E-04	1.12E-02	1.04E-03	1.78E-08	1.27E-05	7.52E-06	1.06E-03
3016	479226.63	3850271.93	2.45E-03	2.20E-08	1.24E-05	7.36E-06	2.47E-03	1.16E-03	9.05E-03	9.31E-04	2.70E-04	1.14E-02	1.10E-03	1.80E-08	1.24E-05	7.36E-06	1.12E-03
3017	479276.63	3850271.93	2.52E-03	2.10E-08	1.21E-05	7.42E-06	2.54E-03	1.19E-03	8.67E-03	9.07E-04	2.72E-04	1.10E-02	1.13E-03	1.73E-08	1.21E-05	7.42E-06	1.15E-03
3018	479326.63	3850271.93	2.71E-03	2.08E-08	1.18E-05	7.60E-06	2.73E-03	1.28E-03	8.55E-03	8.82E-04	2.79E-04	1.10E-02	1.22E-03	1.70E-08	1.18E-05	7.60E-06	1.23E-03
3019	479376.63	3850271.93	2.80E-03	2.04E-08	1.14E-05	7.78E-06	2.82E-03	1.32E-03	8.40E-03	8.56E-04	2.85E-04	1.09E-02	1.26E-03	1.67E-08	1.14E-05	7.78E-06	1.28E-03
3020	479053.24	3850293.52	2.27E-03	2.09E-08	1.35E-05	7.97E-06	2.29E-03	1.07E-03	8.60E-03	1.01E-03	2.92E-04	1.10E-02	1.02E-03	1.71E-08	1.35E-05	7.97E-06	1.04E-03
3021	479103.24	3850293.52	2.27E-03	2.13E-08	1.33E-05	7.82E-06	2.29E-03	1.07E-03	8.77E-03	9.95E-04	2.87E-04	1.11E-02	1.02E-03	1.75E-08	1.33E-05	7.82E-06	1.04E-03
3022	479153.24	3850293.52	2.33E-03	2.15E-08	1.30E-05	7.67E-06	2.35E-03	1.10E-03	8.87E-03	9.75E-04	2.81E-04	1.12E-02	1.04E-03	1.77E-08	1.30E-05	7.67E-06	1.07E-03
3023	479203.24	3850293.52	2.32E-03	2.21E-08	1.27E-05	7.51E-06	2.34E-03	1.10E-03	9.12E-03	9.54E-04	2.76E-04	1.14E-02	1.04E-03	1.82E-08	1.27E-05	7.51E-06	1.06E-03
3024	479253.24	3850293.52	2.45E-03	2.20E-08	1.24E-05	7.35E-06	2.47E-03	1.16E-03	9.05E-03	9.32E-04	2.70E-04	1.14E-02	1.10E-03	1.80E-08	1.24E-05	7.35E-06	1.12E-03
3025	479303.24	3850293.52	2.55E-03	2.10E-08	1.21E-05	7.48E-06	2.57E-03	1.20E-03	8.67E-03	9.08E-04	2.74E-04	1.10E-02	1.14E-03	1.73E-08	1.21E-05	7.48E-06	1.16E-03
3026	479353.24	3850293.52	2.74E-03	2.07E-08	1.18E-05	7.66E-06	2.76E-03	1.29E-03	8.53E-03	8.83E-04	2.81E-04	1.10E-02	1.23E-03	1.70E-08	1.18E-05	7.66E-06	1.25E-03
3027	479153.24	3850343.52	2.24E-03	2.18E-08	1.34E-05	7.85E-06	2.26E-03	1.06E-03	8.97E-03	1.00E-03	2.88E-04	1.13E-02	1.00E-03	1.79E-08	1.34E-05	7.85E-06	1.03E-03
3028	479203.24	3850343.52	2.17E-03	2.23E-08	1.31E-05	7.70E-06	2.19E-03	1.02E-03	9.21E-03	9.84E-04	2.82E-04	1.15E-02	9.74E-04	1.83E-08	1.31E-05	7.70E-06	9.94E-04
3029	479253.24	3850343.52	2.31E-03	2.28E-08	1.28E-05	7.54E-06	2.33E-03	1.09E-03	9.41E-03	9.63E-04	2.76E-04	1.17E-02	1.04E-03	1.87E-08	1.28E-05	7.54E-06	1.06E-03
3030	479303.24	3850343.52	2.51E-03	2.20E-08	1.25E-05	7.40E-06	2.53E-03	1.18E-03	9.06E-03	9.40E-04	2.71E-04	1.15E-02	1.13E-03	1.80E-08	1.25E-05	7.40E-06	1.15E-03
3031	479353.24	3850343.52	2.56E-03	2.11E-08	1.22E-05	7.57E-06	2.58E-03	1.21E-03	8.68E-03	9.16E-04	2.78E-04	1.11E-02	1.15E-03	1.73E-08	1.22E-05	7.57E-06	1.17E-03
3032	479203.24	3850393.52	2.17E-03	2.22E-08	1.35E-05	7.88E-06	2.19E-03	1.02E-03	9.15E-03	1.01E-03	2.89E-04	1.15E-02	9.71E-04	1.82E-08	1.35E-05	7.88E-06	9.92E-04
3033	479253.24	3850393.52	2.20E-03	2.30E-08	1.32E-05	7.72E-06	2.22E-03	1.04E-03	9.46E-03	9.92E-04	2.83E-04	1.18E-02	9.87E-04	1.88E-08	1.32E-05	7.72E-06	1.01E-03
3034	479303.24	3850393.52	2.22E-03	2.31E-08	1.29E-05	7.56E-06	2.24E-03	1.05E-03	9.51E-03	9.71E-04	2.77E-04	1.18E-02	9.97E-04	1.89E-08	1.29E-05	7.56E-06	1.02E-03
3035	479353.24	3850393.52	2.53E-03	2.20E-08	1.26E-05	7.49E-06	2.55E-03	1.19E-03	9.08E-03	9.48E-04	2.74E-04	1.15E-02	1.13E-03	1.81E-08	1.26E-05	7.49E-06	1.15E-03
3036	479403.24	3850393.52	2.56E-03	2.12E-08	1.23E-05	7.66E-06	2.58E-03	1.21E-03	8.72E-03	9.24E-04	2.81E-04	1.11E-02	1.15E-03	1.74E-08	1.23E-05	7.66E-06	1.17E-03
3037	479453.24	3850393.52	2.78E-03	2.09E-08	1.20E-05	7.85E-06	2.80E-03	1.31E-03	8.62E-03	8.99E-04	2.88E-04	1.11E-02	1.25E-03	1.72E-08	1.20E-05	7.85E-06	1.27E-03
3038	479503.24	3850393.52	2.93E-03	2.03E-08	1.16E-05	8.05E-06	2.95E-03	1.38E-03	8.37E-03	8.72E-04	2.95E-04	1.09E-02	1.31E-03	1.67E-08	1.16E-05	8.05E-06	1.33E-03
3039	479303.24	3850443.52	2.23E-03	2.34E-08	1.33E-05	7.75E-06	2.25E-03	1.05E-03	9.66E-03	1.00E-03	2.84E-04	1.20E-02	1.00E-03	1.92E-08	1.33E-05	7.75E-06	1.02E-03
3040	479353.24	3850443.52	2.33E-03	2.31E-08	1.30E-05	7.58E-06	2.35E-03	1.10E-03	9.50E-03	9.79E-04	2.78E-04	1.19E-02	1.05E-03	1.89E-08	1.30E-05	7.58E-06	1.07E-03
3041	479403.24	3850443.52	2.56E-03	2.20E-08	1.27E-05	7.58E-06	2.58E-03	1.21E-03	9.05E-03	9.56E-04	2.78E-04	1.15E-02	1.15E-03	1.80E-08	1.27E-05	7.58E-06	1.17E-03
3042	479453.24	3850443.52	2.61E-03	2.11E-08	1.24E-05	7.77E-06	2.63E-03	1.23E-03	8.68E-03	9.32E-04	2.85E-04	1.11E-02	1.17E-03	1.73E-08	1.24E-05	7.77E-06	1.19E-03
3043	479503.24	3850443.52	2.84E-03	2.09E-08	1.21E-05	7.96E-06	2.86E-03	1.34E-03	8.61E-03	9.07E-04	2.92E-04	1.11E-02	1.27E-03	1.71E-08	1.21E-05	7.96E-06	1.29E-03
3044	480327.18	3850987.04	3.13E-03	2.11E-08	1.09E-05	8.32E-06	3.15E-03	1.48E-03	8.71E-03	8.20E-04	3.05E-04	1.13E-02	1.40E-03	1.74E-08	1.09E-05	8.32E-06	1.42E-03
3045	480377.18	3850987.04	3.23E-03	2.07E-08	1.01E-05	8.33E-06	3.25E-03	1.52E-03	8.52E-03	7.59E-04	3.06E-04	1.11E-02	1.45E-03	1.70E-08	1.01E-05	8.33E-06	1.47E-03
3046	480427.18	3850987.04	3.33E-03	2.07E-08	9.33E-06	8.50E-06	3.35E-03	1.57E-03	8.52E-03	7.00E-04	3.12E-04	1.11E-02	1.49E-03	1.70E-08	9.33E-06	8.50E-06	1.51E-03

3047	480477.18	3850987.04	3.46E-03	2.09E-08	9.01E-06	8.67E-06	3.48E-03	1.63E-03	8.61E-03	6.75E-04	3.18E-04	1.12E-02	1.55E-03	1.72E-08	9.01E-06	8.67E-06	1.57E-03
3048	480327.18	3851037.04	3.09E-03	2.20E-08	1.17E-05	8.63E-06	3.11E-03	1.46E-03	9.08E-03	8.76E-04	3.16E-04	1.17E-02	1.39E-03	1.81E-08	1.17E-05	8.63E-06	1.41E-03
3049	480377.18	3851037.04	3.17E-03	2.12E-08	1.11E-05	8.36E-06	3.19E-03	1.50E-03	8.72E-03	8.34E-04	3.07E-04	1.14E-02	1.42E-03	1.74E-08	1.11E-05	8.36E-06	1.44E-03
3050	480427.18	3851037.04	3.26E-03	2.07E-08	1.03E-05	8.43E-06	3.28E-03	1.54E-03	8.53E-03	7.71E-04	3.09E-04	1.12E-02	1.46E-03	1.70E-08	1.03E-05	8.43E-06	1.48E-03
3051	480477.18	3851037.04	3.37E-03	2.14E-08	9.48E-06	8.60E-06	3.39E-03	1.59E-03	8.81E-03	7.11E-04	3.15E-04	1.14E-02	1.51E-03	1.76E-08	9.48E-06	8.60E-06	1.53E-03
3052	480622.06	3851087.39	3.64E-03	2.21E-08	9.55E-06	8.98E-06	3.66E-03	1.72E-03	9.11E-03	7.16E-04	3.29E-04	1.19E-02	1.63E-03	1.82E-08	9.55E-06	8.98E-06	1.65E-03
3053	480672.06	3851087.39	3.69E-03	2.15E-08	9.07E-06	9.05E-06	3.71E-03	1.74E-03	8.88E-03	6.80E-04	3.32E-04	1.16E-02	1.66E-03	1.77E-08	9.07E-06	9.05E-06	1.67E-03
3054	480622.06	3851137.39	3.58E-03	2.31E-08	9.10E-06	8.94E-06	3.59E-03	1.69E-03	9.51E-03	6.83E-04	3.28E-04	1.22E-02	1.60E-03	1.89E-08	9.10E-06	8.94E-06	1.62E-03
3055	480672.06	3851137.39	3.69E-03	2.27E-08	9.60E-06	8.97E-06	3.71E-03	1.74E-03	9.35E-03	7.20E-04	3.29E-04	1.21E-02	1.65E-03	1.86E-08	9.60E-06	8.97E-06	1.67E-03
3056	480722.06	3851137.39	3.74E-03	2.20E-08	9.17E-06	9.02E-06	3.76E-03	1.77E-03	9.06E-03	6.88E-04	3.31E-04	1.18E-02	1.68E-03	1.80E-08	9.17E-06	9.02E-06	1.70E-03
3057	480622.06	3851187.39	3.48E-03	2.38E-08	1.01E-05	8.88E-06	3.50E-03	1.64E-03	9.81E-03	7.55E-04	3.26E-04	1.25E-02	1.56E-03	1.95E-08	1.01E-05	8.88E-06	1.58E-03
3058	480672.06	3851187.39	3.62E-03	2.38E-08	9.26E-06	9.03E-06	3.64E-03	1.71E-03	9.80E-03	6.95E-04	3.31E-04	1.25E-02	1.62E-03	1.95E-08	9.26E-06	9.03E-06	1.64E-03
3059	480722.06	3851187.39	3.74E-03	2.33E-08	9.66E-06	8.96E-06	3.76E-03	1.76E-03	9.62E-03	7.24E-04	3.29E-04	1.24E-02	1.68E-03	1.92E-08	9.66E-06	8.96E-06	1.69E-03
3060	471363.09	3845877.25	6.81E-04	4.61E-09	4.17E-06	5.17E-06	6.90E-04	3.21E-04	1.90E-03	3.13E-04	1.90E-04	2.72E-03	3.05E-04	3.78E-09	4.17E-06	5.17E-06	3.15E-04
3061	471863.09	3845877.25	5.81E-04	4.20E-09	5.01E-06	5.13E-06	5.91E-04	2.74E-04	1.73E-03	3.76E-04	1.88E-04	2.57E-03	2.60E-04	3.45E-09	5.01E-06	5.13E-06	2.71E-04
3062	472363.09	3845877.25	7.07E-04	5.04E-09	5.97E-06	5.42E-06	7.19E-04	3.34E-04	2.07E-03	4.48E-04	1.99E-04	3.05E-03	3.17E-04	4.13E-09	5.97E-06	5.42E-06	3.29E-04
3063	472863.09	3845877.25	6.07E-04	3.43E-09	6.86E-06	5.59E-06	6.20E-04	2.86E-04	1.41E-03	5.15E-04	2.05E-04	2.42E-03	2.72E-04	2.82E-09	6.86E-06	5.59E-06	2.85E-04
3064	473363.09	3845877.25	5.96E-04	3.78E-09	7.88E-06	4.87E-06	6.09E-04	2.81E-04	1.56E-03	5.91E-04	1.79E-04	2.61E-03	2.68E-04	3.10E-09	7.88E-06	4.87E-06	2.80E-04
3065	473863.09	3845877.25	6.64E-04	4.18E-09	8.91E-06	3.75E-06	6.77E-04	3.13E-04	1.72E-03	6.68E-04	1.38E-04	2.84E-03	2.98E-04	3.43E-09	8.91E-06	3.75E-06	3.10E-04
3066	474363.09	3845877.25	8.26E-04	4.56E-09	7.49E-06	4.75E-06	8.38E-04	3.89E-04	1.88E-03	5.61E-04	1.74E-04	3.01E-03	3.70E-04	3.75E-09	7.49E-06	4.75E-06	3.83E-04
3067	474863.09	3845877.25	8.94E-04	5.63E-09	4.15E-06	5.28E-06	9.04E-04	4.22E-04	2.32E-03	3.11E-04	1.94E-04	3.25E-03	4.01E-04	4.62E-09	4.15E-06	5.28E-06	4.11E-04
3068	475363.09	3845877.25	1.42E-03	5.91E-09	4.41E-06	4.84E-06	1.43E-03	6.71E-04	2.43E-03	3.31E-04	1.77E-04	3.61E-03	6.38E-04	4.85E-09	4.41E-06	4.84E-06	6.47E-04
3069	475863.09	3845877.25	1.40E-03	5.54E-09	7.61E-06	4.50E-06	1.42E-03	6.62E-04	2.28E-03	5.71E-04	1.65E-04	3.68E-03	6.30E-04	4.54E-09	7.61E-06	4.50E-06	6.42E-04
3070	476363.09	3845877.25	1.21E-03	5.11E-09	6.88E-06	5.26E-06	1.23E-03	5.73E-04	2.11E-03	5.16E-04	1.93E-04	3.39E-03	5.45E-04	4.19E-09	6.88E-06	5.26E-06	5.57E-04
3071	476863.09	3845877.25	1.28E-03	4.02E-09	9.21E-06	6.02E-06	1.29E-03	6.03E-04	1.66E-03	6.91E-04	2.21E-04	3.17E-03	5.74E-04	3.30E-09	9.21E-06	6.02E-06	5.89E-04
3072	477363.09	3845877.25	9.17E-04	3.86E-09	1.11E-05	5.26E-06	9.33E-04	4.32E-04	1.59E-03	8.30E-04	1.93E-04	3.04E-03	4.11E-04	3.17E-09	1.11E-05	5.26E-06	4.28E-04
3073	477863.09	3845877.25	8.38E-04	4.45E-09	8.75E-06	5.05E-06	8.52E-04	3.95E-04	1.84E-03	6.56E-04	1.85E-04	3.07E-03	3.76E-04	3.66E-09	8.75E-06	5.05E-06	3.90E-04
3074	478363.09	3845877.25	7.48E-04	3.75E-09	1.03E-05	4.51E-06	7.63E-04	3.53E-04	1.54E-03	7.72E-04	1.65E-04	2.84E-03	3.36E-04	3.08E-09	1.03E-05	4.51E-06	3.50E-04
3075	478863.09	3845877.25	5.86E-04	3.21E-09	1.27E-05	4.43E-06	6.04E-04	2.77E-04	1.32E-03	9.51E-04	1.62E-04	2.71E-03	2.63E-04	2.63E-09	1.27E-05	4.43E-06	2.80E-04
3076	479363.09	3845877.25	5.28E-04	2.86E-09	1.05E-05	5.44E-06	5.44E-04	2.49E-04	1.18E-03	7.86E-04	1.99E-04	2.41E-03	2.37E-04	2.34E-09	1.05E-05	5.44E-06	2.53E-04
3077	479863.09	3845877.25	4.51E-04	2.83E-09	7.17E-06	6.08E-06	4.65E-04	2.13E-04	1.16E-03	5.38E-04	2.23E-04	2.14E-03	2.02E-04	2.32E-09	7.17E-06	6.08E-06	2.16E-04
3078	480363.09	3845877.25	3.24E-04	2.87E-09	6.56E-06	6.20E-06	3.36E-04	1.53E-04	1.18E-03	4.92E-04	2.27E-04	2.06E-03	1.45E-04	2.36E-09	6.56E-06	6.20E-06	1.58E-04
3079	480863.09	3845877.25	2.97E-04	2.05E-09	9.11E-06	5.96E-06	3.12E-04	1.40E-04	8.46E-04	6.83E-04	2.19E-04	1.89E-03	1.33E-04	1.69E-09	9.11E-06	5.96E-06	1.48E-04
3080	481363.09	3845877.25	2.97E-04	2.24E-09	1.03E-05	5.91E-06	3.13E-04	1.40E-04	9.25E-04	7.73E-04	2.17E-04	2.06E-03	1.33E-04	1.84E-09	1.03E-05	5.91E-06	1.50E-04
3081	481863.09	3845877.25	3.06E-04	2.37E-09	1.49E-05	5.44E-06	3.26E-04	1.44E-04	9.76E-04	1.12E-03	1.99E-04	2.44E-03	1.37E-04	1.94E-09	1.49E-05	5.44E-06	1.57E-04
3082	482363.09	3845877.25	2.44E-04	1.75E-09	1.22E-05	5.19E-06	2.62E-04	1.15E-04	7.19E-04	9.12E-04	1.90E-04	1.94E-03	1.10E-04	1.43E-09	1.22E-05	5.19E-06	1.27E-04
3083	482863.09	3845877.25	1.81E-04	1.72E-09	1.22E-05	5.18E-06	1.98E-04	8.52E-05	7.09E-04	9.16E-04	1.90E-04	1.90E-03	8.10E-05	1.41E-09	1.22E-05	5.18E-06	9.84E-05
3084	483363.09	3845877.25	1.46E-04	1.53E-09	1.43E-05	4.32E-06	1.65E-04	6.89E-05	6.32E-04	1.07E-03	1.58E-04	1.93E-03	6.55E-05	1.26E-09	1.43E-05	4.32E-06	8.41E-05
3085	483863.09	3845877.25	1.57E-04	1.90E-09	1.65E-05	6.29E-06	1.80E-04	7.40E-05	7.84E-04	1.24E-03	2.31E-04	2.33E-03	7.04E-05	1.56E-09	1.65E-05	6.29E-06	9.32E-05
3086	484363.09	3845877.25	1.52E-04	1.82E-09	1.32E-05	6.19E-06	1.71E-04	7.15E-05	7.48E-04	9.94E-04	2.27E-04	2.04E-03	6.80E-05	1.49E-09	1.32E-05	6.19E-06	8.74E-05
3087	484863.09	3845877.25	1.53E-04	1.64E-09	2.47E-05	4.45E-06	1.82E-04	7.22E-05	6.77E-04	1.85E-03	1.63E-04	2.76E-03	6.86E-05	1.35E-09	2.47E-05	4.45E-06	9.78E-05
3088	485363.09	3845877.25	2.07E-04	1.51E-09	1.83E-05	4.74E-06	2.30E-04	9.75E-05	6.21E-04	1.37E-03	1.74E-04	2.26E-03	9.27E-05	1.24E-09	1.83E-05	4.74E-06	1.16E-04
3089	485863.09	3845877.25	1.88E-04	1.50E-09	1.33E-05	5.02E-06	2.06E-04	8.85E-05	6.17E-04	9.99E-04	1.84E-04	1.89E-03	8.41E-05	1.23E-09	1.33E-05	5.02E-06	1.02E-04
3090	486363.09	3845877.25	1.76E-04	1.49E-09	1.06E-05	4.52E-06	1.91E-04	8.32E-05	6.16E-04	7.98E-04	1.66E-04	1.66E-03	7.91E-05	1.23E-09	1.06E-05	4.52E-06	9.42E-05
3091	486863.09	3845877.25	1.40E-04	1.46E-09	7.47E-06	4.04E-06	1.51E-04	6.59E-05	6.03E-04	5.60E-04	1.48E-04	1.38E-03	6.27E-05	1.20E-09	7.47E-06	4.04E-06	7.42E-05
3092	487363.09	3845877.25	1.31E-04	1.73E-09	5.63E-06	4.15E-06	1.41E-04	6.18E-05	7.15E-04	4.22E-04	1.52E-04	1.35E-03	5.88E-05	1.42E-09	5.63E-06	4.15E-06	6.86E-05
3093	487863.09	3845877.25	1.24E-04	1.48E-09	5.41E-06	4.24E-06	1.33E-04	5.84E-05	6.10E-04	4.06E-04	1.55E-04	1.23E-03	5.55E-05	1.22E-09	5.41E-06	4.24E-06	6.52E-05
3094	488363.09	3845877.25	1.07E-04	1.43E-09	4.38E-06	3.47E-06	1.15E-04	5.04E-05	5.91E-04	3.28E-04	1.27E-04	1.10E-03	4.79E-05	1.18E-09	4.38E-06	3.47E-06	5.58E-05
3095	488863.09	3845877.25	1.25E-04	1.30E-09	5.51E-06	3.81E-06	1.34E-04	5.87E-05	5.36E-04	4.13E-04	1.40E-04	1.15E-03	5.59E-05	1.07E-09	5.51E-06	3.81E-06	6.52E-05
3096	489363.09	3845877.25	1.15E-04	1.14E-09	1.31E-05	4.05E-06	1.32E-04	5.41E-05	4.69E-04	9.81E-04	1.49E-04	1.65E-03	5.14E-05	9.34E-10	1.31E-05	4.05E-06	6.86E-05
3097	489863.09	3845877.25	1.05E-04	1.23E-09	1.76E-05	3.69E-06	1.26E-04	4.96E-05	5.07E-04	1.32E-03	1.35E-04	2.01E-03	4.72E-05	1.01E-09	1.76E-05	3.69E-06	6.85E-05
3098	490363.09	3845877.25	9.18E-05	1.07E-09	1.10E-05	3.35E-06	1.06E-04	4.33E-05	4.39E-04	8.28E-04	1.23E-04	1.43E-03	4.12E-05	8.75E-10	1.10E-05	3.35E-06	5.56E-05
3099	490863.09	3845877.25	7.93E-05	9.81E-10	8.72E-06	3.02E-06	9.10E-05	3.74E-05	4.04E-04	6.54E-04	1.11E-04	1.21E-03	3.55E-05	8.05E-10	8.72E-06	3.02E-06	4.73E-05
3100	491363.09	3845877.25	8.17E-05	9.83E-10	7.77E-06	3.60E-06	9.31E-05	3.85E-05	4.05E-04	5.82E-04	1.32E-04	1.16E-03	3.67E-05	8.07E-10	7.77E-06	3.60E-06	4.80E-05
3101	491863.09	3845877.25	7.37E-05	1.02E-09	9.94E-06	4.08E-06	8.77E-05	3.47E-05	4.22E-04	7.45E-04	1.50E-04	1.35E-03	3.30E-05	8.41E-10	9.94E-06	4.08E-06	4.71E-05
3102	492363.09	3845877.25	7.53E-05	1.06E-09	8.87E-06	3.41E-06	8.75E-05	3.55E-05	4.35E-04	6.65E-04	1.25E-04	1.26E-03	3.37E-05	8.67E-10	8.87E-06	3.41E-06	4.60E-05
3103	492863.09	3845877.25	8.65E-05	1.05E-09	9.59E-06	4.13E-06	1.00E-04	4.08E-05	4.34E-04	7.19E-04	1.51E-04	1.35E-03	3.88E-05	8.64E-10	9.59E-06	4.13E-06	5.25E-05
3104	493363.09	3845877.25	1.04E-04	1.06E-09	9.74E-06	4.07E-06	1.17E-04	4.88E-05	4.37E-04	7.30E-04	1.49E-04	1.37E-03	4.64E-05	8.70E-10	9.74E-06	4.07E-06	6.03E-05
3105	493863.09	3845877.25	1.10E-04	1.08E-09	9.23E-06	3.89E-06	1.23E-04	5.17E-05	4.45E-04	6.92E-04	1.43E-04	1.33E-03	4.91E-05	8.87E-10	9.23E-06	3.89E-06	6.22E-05
3106	494363.09	3845877.25	1.27E-04	1.12E-09	8.28E-06	3.69E-06	1.39E-04	5.99E-05	4.61E-04	6.21E-04	1.35E-04	1.28E-03	5.69E-05	9.19E-10	8.28E-06	3.69E-06	6.89E-05
3107	494863.09	3845877.25	1.25E-04	1.16E-09	8.84E-06	3.92E-06	1.37E-04	5.88E-05	4.78E-04	6.63E-04	1.44E-04	1.34E-03	5.59E-05	9.52E-10	8.84E-06	3.92E-06	6.86E-05

3108	495363.09	3845877.25	1.18E-04	1.38E-09	9.96E-06	4.07E-06	1.32E-04	5.56E-05	5.68E-04	7.47E-04	1.49E-04	1.52E-03	5.29E-05	1.13E-09	9.96E-06	4.07E-06	6.69E-05
3109	495863.09	3845877.25	1.20E-04	1.46E-09	9.43E-06	3.85E-06	1.33E-04	5.65E-05	6.00E-04	7.07E-04	1.41E-04	1.51E-03	5.37E-05	1.20E-09	9.43E-06	3.85E-06	6.70E-05
3110	496363.09	3845877.25	1.04E-04	1.52E-09	8.22E-06	4.03E-06	1.16E-04	4.89E-05	6.25E-04	6.17E-04	1.48E-04	1.44E-03	4.65E-05	1.24E-09	8.22E-06	4.03E-06	5.87E-05
3111	496863.09	3845877.25	1.01E-04	1.33E-09	1.07E-05	3.70E-06	1.15E-04	4.74E-05	5.46E-04	8.06E-04	1.36E-04	1.53E-03	4.51E-05	1.09E-09	1.07E-05	3.70E-06	5.95E-05
3112	497363.09	3845877.25	1.00E-04	1.20E-09	1.02E-05	3.72E-06	1.14E-04	4.73E-05	4.94E-04	7.62E-04	1.36E-04	1.44E-03	4.50E-05	9.84E-10	1.02E-05	3.72E-06	5.88E-05
3113	497863.09	3845877.25	9.83E-05	1.14E-09	1.23E-05	3.94E-06	1.15E-04	4.64E-05	4.68E-04	9.21E-04	1.44E-04	1.58E-03	4.41E-05	9.32E-10	1.23E-05	3.94E-06	6.03E-05
3114	498363.09	3845877.25	1.06E-04	1.20E-09	1.63E-05	3.75E-06	1.26E-04	5.00E-05	4.96E-04	1.22E-03	1.37E-04	1.90E-03	4.76E-05	9.88E-10	1.63E-05	3.75E-06	6.76E-05
3115	471363.09	3846377.25	1.04E-03	1.11E-08	5.32E-06	4.20E-06	1.05E-03	4.92E-04	4.59E-03	3.99E-04	1.54E-04	5.64E-03	4.68E-04	9.14E-09	5.32E-06	4.20E-06	4.77E-04
3116	471863.09	3846377.25	9.34E-04	8.16E-09	3.92E-06	5.16E-06	9.43E-04	4.40E-04	3.36E-03	2.94E-04	1.89E-04	4.28E-03	4.19E-04	6.69E-09	3.92E-06	5.16E-06	4.28E-04
3117	472363.09	3846377.25	5.05E-04	4.21E-09	5.00E-06	5.62E-06	5.15E-04	2.38E-04	1.74E-03	3.75E-04	2.06E-04	2.56E-03	2.26E-04	3.46E-09	5.00E-06	5.62E-06	2.37E-04
3118	472863.09	3846377.25	5.46E-04	4.52E-09	5.92E-06	5.53E-06	5.57E-04	2.57E-04	1.86E-03	4.44E-04	2.03E-04	2.77E-03	2.45E-04	3.71E-09	5.92E-06	5.53E-06	2.56E-04
3119	473363.09	3846377.25	7.20E-04	4.06E-09	6.93E-06	5.78E-06	7.33E-04	3.40E-04	1.67E-03	5.20E-04	2.12E-04	2.74E-03	3.23E-04	3.33E-09	6.93E-06	5.78E-06	3.36E-04
3120	473863.09	3846377.25	7.45E-04	4.93E-09	8.00E-06	5.07E-06	7.59E-04	3.52E-04	2.03E-03	6.00E-04	1.86E-04	3.17E-03	3.34E-04	4.04E-09	8.00E-06	5.07E-06	3.47E-04
3121	474363.09	3846377.25	8.24E-04	5.58E-09	9.09E-06	3.95E-06	8.37E-04	3.89E-04	2.30E-03	6.82E-04	1.45E-04	3.51E-03	3.70E-04	4.58E-09	9.09E-06	3.95E-06	3.83E-04
3122	474863.09	3846377.25	9.52E-04	5.89E-09	8.46E-06	5.02E-06	9.65E-04	4.49E-04	2.43E-03	6.34E-04	1.84E-04	3.69E-03	4.27E-04	4.83E-09	8.46E-06	5.02E-06	4.40E-04
3123	475363.09	3846377.25	1.10E-03	6.31E-09	4.72E-06	5.64E-06	1.11E-03	5.19E-04	2.60E-03	3.54E-04	2.07E-04	3.68E-03	4.93E-04	5.18E-09	4.72E-06	5.64E-06	5.04E-04
3124	475863.09	3846377.25	1.67E-03	6.90E-09	4.61E-06	5.07E-06	1.68E-03	7.88E-04	2.84E-03	3.46E-04	1.86E-04	4.16E-03	7.49E-04	5.66E-09	4.61E-06	5.07E-06	7.59E-04
3125	476363.09	3846377.25	1.52E-03	5.80E-09	8.05E-06	4.92E-06	1.54E-03	7.18E-04	2.39E-03	6.03E-04	1.80E-04	3.89E-03	6.83E-04	4.76E-09	8.05E-06	4.92E-06	6.96E-04
3126	476863.09	3846377.25	1.25E-03	5.13E-09	8.65E-06	5.77E-06	1.27E-03	5.90E-04	2.11E-03	6.49E-04	2.11E-04	3.56E-03	5.61E-04	4.21E-09	8.65E-06	5.77E-06	5.76E-04
3127	477363.09	3846377.25	1.33E-03	4.49E-09	9.94E-06	6.05E-06	1.35E-03	6.29E-04	1.85E-03	7.45E-04	2.22E-04	3.45E-03	5.98E-04	3.69E-09	9.94E-06	6.05E-06	6.14E-04
3128	477863.09	3846377.25	8.75E-04	4.32E-09	1.13E-05	5.29E-06	8.92E-04	4.13E-04	1.78E-03	8.48E-04	1.94E-04	3.23E-03	3.92E-04	3.55E-09	1.13E-05	5.29E-06	4.09E-04
3129	478363.09	3846377.25	8.55E-04	5.00E-09	8.78E-06	5.66E-06	8.70E-04	4.03E-04	2.06E-03	6.59E-04	2.07E-04	3.33E-03	3.84E-04	4.10E-09	8.78E-06	5.66E-06	3.98E-04
3130	478863.09	3846377.25	8.59E-04	3.92E-09	1.13E-05	5.37E-06	8.76E-04	4.05E-04	1.62E-03	8.51E-04	1.97E-04	3.07E-03	3.85E-04	3.22E-09	1.13E-05	5.37E-06	4.02E-04
3131	479363.09	3846377.25	6.41E-04	3.51E-09	1.29E-05	5.09E-06	6.59E-04	3.02E-04	1.45E-03	9.67E-04	1.87E-04	2.90E-03	2.88E-04	2.88E-09	1.29E-05	5.09E-06	3.06E-04
3132	479863.09	3846377.25	5.28E-04	3.10E-09	1.14E-05	6.01E-06	5.45E-04	2.49E-04	1.28E-03	8.55E-04	2.20E-04	2.60E-03	2.37E-04	2.54E-09	1.14E-05	6.01E-06	2.54E-04
3133	480363.09	3846377.25	4.98E-04	3.03E-09	6.39E-06	6.27E-06	5.11E-04	2.35E-04	1.25E-03	4.79E-04	2.30E-04	2.19E-03	2.23E-04	2.49E-09	6.39E-06	6.27E-06	2.36E-04
3134	480863.09	3846377.25	3.55E-04	2.61E-09	7.19E-06	6.10E-06	3.68E-04	1.67E-04	1.07E-03	5.40E-04	2.24E-04	2.00E-03	1.59E-04	2.14E-09	7.19E-06	6.10E-06	1.72E-04
3135	481363.09	3846377.25	2.96E-04	2.33E-09	8.53E-06	6.63E-06	3.11E-04	1.40E-04	9.59E-04	6.40E-04	2.43E-04	1.98E-03	1.33E-04	1.91E-09	8.53E-06	6.63E-06	1.48E-04
3136	481863.09	3846377.25	3.43E-04	2.57E-09	1.33E-05	5.59E-06	3.62E-04	1.62E-04	1.06E-03	1.00E-03	2.05E-04	2.43E-03	1.54E-04	2.11E-09	1.33E-05	5.59E-06	1.73E-04
3137	482363.09	3846377.25	3.08E-04	2.13E-09	1.40E-05	5.17E-06	3.27E-04	1.45E-04	8.79E-04	1.05E-03	1.90E-04	2.27E-03	1.38E-04	1.75E-09	1.40E-05	5.17E-06	1.57E-04
3138	482863.09	3846377.25	2.06E-04	1.65E-09	1.13E-05	5.16E-06	2.22E-04	9.71E-05	6.80E-04	8.49E-04	1.89E-04	1.82E-03	9.23E-05	1.36E-09	1.13E-05	5.16E-06	1.09E-04
3139	483363.09	3846377.25	2.15E-04	2.02E-09	1.35E-05	5.39E-06	2.34E-04	1.02E-04	8.31E-04	1.01E-03	1.97E-04	2.14E-03	9.66E-05	1.65E-09	1.35E-05	5.39E-06	1.15E-04
3140	483863.09	3846377.25	1.75E-04	2.41E-09	1.73E-05	6.67E-06	1.99E-04	8.25E-05	9.92E-04	1.29E-03	2.45E-04	2.61E-03	7.84E-05	1.98E-09	1.73E-05	6.67E-06	1.02E-04
3141	484363.09	3846377.25	1.53E-04	1.87E-09	1.58E-05	6.12E-06	1.75E-04	7.20E-05	7.69E-04	1.19E-03	2.24E-04	2.25E-03	6.85E-05	1.53E-09	1.58E-05	6.12E-06	9.04E-05
3142	484863.09	3846377.25	1.85E-04	1.95E-09	2.29E-05	5.76E-06	2.13E-04	8.72E-05	8.05E-04	1.72E-03	2.11E-04	2.82E-03	8.29E-05	1.60E-09	2.29E-05	5.76E-06	1.12E-04
3143	485363.09	3846377.25	2.40E-04	1.69E-09	2.13E-05	5.02E-06	2.66E-04	1.13E-04	6.95E-04	1.60E-03	1.84E-04	2.59E-03	1.08E-04	1.38E-09	2.13E-05	5.02E-06	1.34E-04
3144	485863.09	3846377.25	2.23E-04	1.59E-09	1.32E-05	5.21E-06	2.41E-04	1.05E-04	6.56E-04	9.87E-04	1.91E-04	1.94E-03	9.99E-05	1.31E-09	1.32E-05	5.21E-06	1.18E-04
3145	486363.09	3846377.25	1.57E-04	1.51E-09	1.23E-05	4.33E-06	1.74E-04	7.42E-05	6.22E-04	9.23E-04	1.59E-04	1.78E-03	7.06E-05	1.24E-09	1.23E-05	4.33E-06	8.72E-05
3146	486863.09	3846377.25	1.41E-04	1.50E-09	7.74E-06	4.13E-06	1.52E-04	6.63E-05	6.17E-04	5.80E-04	1.52E-04	1.42E-03	6.31E-05	1.23E-09	7.74E-06	4.13E-06	7.49E-05
3147	487363.09	3846377.25	1.34E-04	1.73E-09	6.27E-06	4.12E-06	1.45E-04	6.34E-05	7.12E-04	4.70E-04	1.51E-04	1.40E-03	6.03E-05	1.42E-09	6.27E-06	4.12E-06	7.07E-05
3148	487863.09	3846377.25	1.47E-04	1.66E-09	5.58E-06	4.33E-06	1.57E-04	6.93E-05	6.84E-04	4.18E-04	1.59E-04	1.33E-03	6.59E-05	1.36E-09	5.58E-06	4.33E-06	7.58E-05
3149	488363.09	3846377.25	1.42E-04	1.50E-09	4.50E-06	4.08E-06	1.50E-04	6.68E-05	6.17E-04	3.38E-04	1.50E-04	1.17E-03	6.35E-05	1.23E-09	4.50E-06	4.08E-06	7.21E-05
3150	488863.09	3846377.25	1.34E-04	1.30E-09	7.85E-06	3.98E-06	1.46E-04	6.31E-05	5.34E-04	5.88E-04	1.46E-04	1.33E-03	6.00E-05	1.06E-09	7.85E-06	3.98E-06	7.18E-05
3151	489363.09	3846377.25	1.15E-04	1.20E-09	1.46E-05	4.01E-06	1.33E-04	5.42E-05	4.96E-04	1.10E-03	1.47E-04	1.79E-03	5.15E-05	9.88E-10	1.46E-05	4.01E-06	7.01E-05
3152	489863.09	3846377.25	1.12E-04	1.34E-09	1.77E-05	4.00E-06	1.33E-04	5.27E-05	5.53E-04	1.33E-03	1.47E-04	2.08E-03	5.01E-05	1.10E-09	1.77E-05	4.00E-06	7.18E-05
3153	490363.09	3846377.25	8.82E-05	1.07E-09	1.05E-05	3.94E-06	1.03E-04	4.16E-05	4.41E-04	7.90E-04	1.45E-04	1.42E-03	3.96E-05	8.79E-10	1.05E-05	3.94E-06	5.40E-05
3154	490863.09	3846377.25	8.43E-05	1.03E-09	7.82E-06	3.46E-06	9.56E-05	3.97E-05	4.26E-04	5.86E-04	1.27E-04	1.18E-03	3.78E-05	8.48E-10	7.82E-06	3.46E-06	4.91E-05
3155	491363.09	3846377.25	7.04E-05	9.83E-10	8.85E-06	3.45E-06	8.26E-05	3.32E-05	4.05E-04	6.64E-04	1.26E-04	1.23E-03	3.16E-05	8.06E-10	8.85E-06	3.45E-06	4.38E-05
3156	491863.09	3846377.25	7.95E-05	1.09E-09	1.04E-05	4.17E-06	9.41E-05	3.75E-05	4.50E-04	7.78E-04	1.53E-04	1.42E-03	3.57E-05	8.96E-10	1.04E-05	4.17E-06	5.02E-05
3157	492363.09	3846377.25	8.59E-05	1.15E-09	1.05E-05	4.17E-06	1.01E-04	4.05E-05	4.73E-04	7.85E-04	1.53E-04	1.45E-03	3.85E-05	9.42E-10	1.05E-05	4.17E-06	5.32E-05
3158	492863.09	3846377.25	9.68E-05	1.06E-09	1.07E-05	4.14E-06	1.12E-04	4.57E-05	4.38E-04	8.03E-04	1.52E-04	1.44E-03	4.34E-05	8.73E-10	1.07E-05	4.14E-06	5.83E-05
3159	493363.09	3846377.25	1.15E-04	1.12E-09	9.04E-06	4.07E-06	1.29E-04	5.45E-05	4.63E-04	6.78E-04	1.49E-04	1.34E-03	5.18E-05	9.22E-10	9.04E-06	4.07E-06	6.49E-05
3160	493863.09	3846377.25	1.29E-04	1.15E-09	8.86E-06	4.04E-06	1.42E-04	6.07E-05	4.72E-04	6.65E-04	1.48E-04	1.35E-03	5.77E-05	9.40E-10	8.86E-06	4.04E-06	7.06E-05
3161	494363.09	3846377.25	1.26E-04	1.25E-09	8.59E-06	4.04E-06	1.39E-04	5.96E-05	5.13E-04	6.44E-04	1.48E-04	1.37E-03	5.67E-05	1.02E-09	8.59E-06	4.04E-06	6.93E-05
3162	494863.09	3846377.25	1.28E-04	1.35E-09	9.67E-06	4.28E-06	1.42E-04	6.05E-05	5.55E-04	7.25E-04	1.57E-04	1.50E-03	5.75E-05	1.11E-09	9.67E-06	4.28E-06	7.15E-05
3163	495363.09	3846377.25	1.27E-04	1.45E-09	9.84E-06	3.92E-06	1.41E-04	6.01E-05	5.98E-04	7.38E-04	1.44E-04	1.54E-03	5.71E-05	1.19E-09	9.84E-06	3.92E-06	7.09E-05
3164	495863.09	3846377.25	1.20E-04	1.46E-09	8.62E-06	4.12E-06	1.33E-04	5.66E-05	5.99E-04	6.47E-04	1.51E-04	1.45E-03	5.38E-05	1.19E-09	8.62E-06	4.12E-06	6.66E-05
3165	496363.09	3846377.25	1.04E-04	1.47E-09	1.09E-05	3.79E-06	1.19E-04	4.90E-05	6.04E-04	8.19E-04	1.39E-04	1.61E-03	4.66E-05	1.20E-09	1.09E-05	3.79E-06	6.13E-05
3166	496863.09	3846377.25	1.05E-04	1.26E-09	1.15E-05	4.09E-06	1.21E-04	4.97E-05	5.21E-04	8.59E-04	1.50E-04	1.58E-03	4.73E-05	1.04E-09	1.15E-05	4.09E-06	6.28E-05
3167	497363.09	3846377.25	1.12E-04	1.17E-09	1.50E-05	4.08E-06	1.31E-04	5.26E-05	4.81E-04	1.12E-03	1.50E-04	1.81E-03	5.00E-05	9.59E-10	1.50E-05	4.08E-06	6.91E-05
3168	497863.09	3846377.25	1.20E-04	1.23E-09	1.69E-05	3.90E-06	1.41E-04	5.68E-05	5.05E-04	1.27E-03	1.43E-04	1.97E-03	5.40E-05	1.01E-09	1.69E-05	3.90E-06	7.48E-05

3169	498363.09	3846377.25	1.17E-04	1.18E-09	1.69E-05	4.17E-06	1.38E-04	5.51E-05	4.85E-04	1.27E-03	1.53E-04	1.96E-03	5.24E-05	9.66E-10	1.69E-05	4.17E-06	7.35E-05
3170	471363.09	3846877.25	1.41E-03	1.10E-08	6.85E-06	5.24E-06	1.42E-03	6.66E-04	4.51E-03	5.14E-04	1.92E-04	5.89E-03	6.33E-04	8.99E-09	6.85E-06	5.24E-06	6.45E-04
3171	471863.09	3846877.25	1.10E-03	1.12E-08	6.57E-06	4.20E-06	1.11E-03	5.18E-04	4.60E-03	4.92E-04	1.54E-04	5.77E-03	4.93E-04	9.17E-09	6.57E-06	4.20E-06	5.03E-04
3172	472363.09	3846877.25	1.05E-03	1.00E-08	4.64E-06	5.11E-06	1.06E-03	4.95E-04	4.12E-03	3.48E-04	1.87E-04	5.15E-03	4.70E-04	8.21E-09	4.64E-06	5.11E-06	4.80E-04
3173	472863.09	3846877.25	6.72E-04	4.60E-09	4.97E-06	6.00E-06	6.83E-04	3.17E-04	1.89E-03	3.73E-04	2.20E-04	2.80E-03	3.01E-04	3.77E-09	4.97E-06	6.00E-06	3.12E-04
3174	473363.09	3846877.25	6.44E-04	5.08E-09	5.93E-06	5.64E-06	6.56E-04	3.04E-04	2.09E-03	4.45E-04	2.07E-04	3.05E-03	2.89E-04	4.17E-09	5.93E-06	5.64E-06	3.00E-04
3175	473863.09	3846877.25	9.47E-04	5.60E-09	6.98E-06	5.99E-06	9.60E-04	4.47E-04	2.31E-03	5.24E-04	2.20E-04	3.50E-03	4.25E-04	4.60E-09	6.98E-06	5.99E-06	4.38E-04
3176	474363.09	3846877.25	8.65E-04	5.96E-09	8.12E-06	5.38E-06	8.78E-04	4.08E-04	2.46E-03	6.09E-04	1.97E-04	3.67E-03	3.88E-04	4.89E-09	8.12E-06	5.38E-06	4.01E-04
3177	474863.09	3846877.25	9.96E-04	6.75E-09	9.29E-06	4.19E-06	1.01E-03	4.70E-04	2.78E-03	6.96E-04	1.54E-04	4.10E-03	4.47E-04	5.54E-09	9.29E-06	4.19E-06	4.60E-04
3178	475363.09	3846877.25	1.11E-03	5.84E-09	9.11E-06	5.46E-06	1.12E-03	5.23E-04	2.41E-03	6.83E-04	2.00E-04	3.81E-03	4.98E-04	4.79E-09	9.11E-06	5.46E-06	5.12E-04
3179	475863.09	3846877.25	1.21E-03	6.57E-09	5.38E-06	5.97E-06	1.22E-03	5.69E-04	2.71E-03	4.03E-04	2.19E-04	3.90E-03	5.41E-04	5.39E-09	5.38E-06	5.97E-06	5.53E-04
3180	476363.09	3846877.25	1.81E-03	7.38E-09	4.82E-06	5.35E-06	1.82E-03	8.53E-04	3.04E-03	3.62E-04	1.96E-04	4.45E-03	8.11E-04	6.06E-09	4.82E-06	5.35E-06	8.21E-04
3181	476863.09	3846877.25	1.64E-03	6.16E-09	8.51E-06	5.39E-06	1.65E-03	7.73E-04	2.54E-03	6.39E-04	1.98E-04	4.15E-03	7.35E-04	5.06E-09	8.51E-06	5.39E-06	7.49E-04
3182	477363.09	3846877.25	1.33E-03	5.34E-09	1.10E-05	5.97E-06	1.35E-03	6.29E-04	2.20E-03	8.25E-04	2.19E-04	3.87E-03	5.98E-04	4.38E-09	1.10E-05	5.97E-06	6.15E-04
3183	477863.09	3846877.25	1.50E-03	4.62E-09	1.07E-05	6.53E-06	1.52E-03	7.07E-04	1.90E-03	8.05E-04	2.40E-04	3.66E-03	6.73E-04	3.79E-09	1.07E-05	6.53E-06	6.90E-04
3184	478363.09	3846877.25	8.82E-04	5.16E-09	1.15E-05	5.30E-06	8.99E-04	4.16E-04	2.13E-03	8.63E-04	1.94E-04	3.60E-03	3.95E-04	4.24E-09	1.15E-05	5.30E-06	4.12E-04
3185	478863.09	3846877.25	1.15E-03	5.38E-09	9.71E-06	5.75E-06	1.16E-03	5.41E-04	2.22E-03	7.28E-04	2.11E-04	3.70E-03	5.14E-04	4.41E-09	9.71E-06	5.75E-06	5.30E-04
3186	479363.09	3846877.25	8.70E-04	4.24E-09	1.25E-05	6.15E-06	8.89E-04	4.10E-04	1.75E-03	9.38E-04	2.25E-04	3.32E-03	3.90E-04	3.48E-09	1.25E-05	6.15E-06	4.09E-04
3187	479863.09	3846877.25	4.95E-04	3.00E-09	1.02E-05	5.81E-06	5.11E-04	2.34E-04	1.24E-03	7.62E-04	2.13E-04	2.44E-03	2.22E-04	2.46E-09	1.02E-05	5.81E-06	2.38E-04
3188	480363.09	3846877.25	3.82E-04	2.69E-09	1.01E-05	6.34E-06	3.98E-04	1.80E-04	1.11E-03	7.61E-04	2.32E-04	2.28E-03	1.71E-04	2.20E-09	1.01E-05	6.34E-06	1.88E-04
3189	480863.09	3846877.25	3.59E-04	2.56E-09	6.79E-06	6.40E-06	3.72E-04	1.69E-04	1.06E-03	5.09E-04	2.35E-04	1.97E-03	1.61E-04	2.10E-09	6.79E-06	6.40E-06	1.74E-04
3190	481363.09	3846877.25	3.44E-04	2.23E-09	8.72E-06	6.95E-06	3.60E-04	1.62E-04	9.20E-04	6.54E-04	2.55E-04	1.99E-03	1.54E-04	1.83E-09	8.72E-06	6.95E-06	1.70E-04
3191	481863.09	3846877.25	3.31E-04	2.51E-09	1.10E-05	5.88E-06	3.47E-04	1.56E-04	1.03E-03	8.22E-04	2.16E-04	2.23E-03	1.48E-04	2.06E-09	1.10E-05	5.88E-06	1.65E-04
3192	482363.09	3846877.25	3.29E-04	2.40E-09	1.62E-05	5.28E-06	3.51E-04	1.55E-04	9.88E-04	1.22E-03	1.94E-04	2.55E-03	1.48E-04	1.97E-09	1.62E-05	5.28E-06	1.69E-04
3193	482863.09	3846877.25	2.96E-04	1.89E-09	1.29E-05	5.34E-06	3.14E-04	1.40E-04	7.80E-04	9.69E-04	1.96E-04	2.08E-03	1.33E-04	1.55E-09	1.29E-05	5.34E-06	1.51E-04
3194	483363.09	3846877.25	2.69E-04	2.34E-09	1.34E-05	5.38E-06	2.88E-04	1.27E-04	9.65E-04	1.00E-03	1.97E-04	2.29E-03	1.21E-04	1.92E-09	1.34E-05	5.38E-06	1.39E-04
3195	483863.09	3846877.25	2.08E-04	2.57E-09	1.65E-05	6.91E-06	2.32E-04	9.83E-05	1.06E-03	1.24E-03	2.54E-04	2.65E-03	9.34E-05	2.11E-09	1.65E-05	6.91E-06	1.17E-04
3196	484363.09	3846877.25	1.85E-04	2.45E-09	1.70E-05	6.29E-06	2.08E-04	8.71E-05	1.01E-03	1.28E-03	2.31E-04	2.60E-03	8.28E-05	2.01E-09	1.70E-05	6.29E-06	1.06E-04
3197	484863.09	3846877.25	2.03E-04	2.08E-09	1.96E-05	6.36E-06	2.29E-04	9.59E-05	8.58E-04	1.47E-03	2.33E-04	2.66E-03	9.12E-05	1.71E-09	1.96E-05	6.36E-06	1.17E-04
3198	485363.09	3846877.25	2.55E-04	1.82E-09	2.20E-05	5.23E-06	2.82E-04	1.20E-04	7.50E-04	1.65E-03	1.92E-04	2.71E-03	1.14E-04	1.49E-09	2.20E-05	5.23E-06	1.42E-04
3199	485863.09	3846877.25	2.40E-04	1.80E-09	1.45E-05	5.33E-06	2.60E-04	1.13E-04	7.41E-04	1.09E-03	1.96E-04	2.14E-03	1.08E-04	1.48E-09	1.45E-05	5.33E-06	1.28E-04
3200	486363.09	3846877.25	2.19E-04	1.75E-09	1.40E-05	4.78E-06	2.38E-04	1.03E-04	7.22E-04	1.05E-03	1.75E-04	2.05E-03	9.81E-05	1.44E-09	1.40E-05	4.78E-06	1.17E-04
3201	486863.09	3846877.25	1.79E-04	1.75E-09	7.96E-06	4.90E-06	1.92E-04	8.46E-05	7.23E-04	5.97E-04	1.80E-04	1.58E-03	8.04E-05	1.44E-09	7.96E-06	4.90E-06	9.33E-05
3202	487363.09	3846877.25	1.61E-04	1.73E-09	8.41E-06	4.77E-06	1.74E-04	7.61E-05	7.13E-04	6.31E-04	1.75E-04	1.59E-03	7.23E-05	1.42E-09	8.41E-06	4.77E-06	8.55E-05
3203	487863.09	3846877.25	1.60E-04	1.73E-09	5.76E-06	4.42E-06	1.70E-04	7.55E-05	7.14E-04	4.32E-04	1.62E-04	1.38E-03	7.18E-05	1.42E-09	5.76E-06	4.42E-06	8.20E-05
3204	488363.09	3846877.25	1.52E-04	1.56E-09	4.63E-06	4.42E-06	1.61E-04	7.19E-05	6.44E-04	3.48E-04	1.62E-04	1.23E-03	6.83E-05	1.28E-09	4.63E-06	4.42E-06	7.74E-05
3205	488863.09	3846877.25	1.40E-04	1.27E-09	8.59E-06	3.83E-06	1.53E-04	6.61E-05	5.22E-04	6.44E-04	1.40E-04	1.37E-03	6.29E-05	1.04E-09	8.59E-06	3.83E-06	7.53E-05
3206	489363.09	3846877.25	1.30E-04	1.27E-09	1.63E-05	4.56E-06	1.50E-04	6.11E-05	5.24E-04	1.22E-03	1.67E-04	1.98E-03	5.81E-05	1.04E-09	1.63E-05	4.56E-06	7.90E-05
3207	489863.09	3846877.25	1.30E-04	1.45E-09	1.78E-05	4.63E-06	1.52E-04	6.13E-05	5.99E-04	1.33E-03	1.70E-04	2.16E-03	5.83E-05	1.19E-09	1.78E-05	4.63E-06	8.07E-05
3208	490363.09	3846877.25	9.49E-05	1.19E-09	1.25E-05	4.90E-06	1.12E-04	4.48E-05	4.88E-04	9.41E-04	1.80E-04	1.65E-03	4.26E-05	9.73E-10	1.25E-05	4.90E-06	6.00E-05
3209	490863.09	3846877.25	8.81E-05	1.14E-09	7.99E-06	4.07E-06	1.00E-04	4.15E-05	4.69E-04	5.99E-04	1.49E-04	1.26E-03	3.95E-05	9.34E-10	7.99E-06	4.07E-06	5.16E-05
3210	491363.09	3846877.25	8.13E-05	1.18E-09	9.86E-06	4.46E-06	9.56E-05	3.83E-05	4.85E-04	7.39E-04	1.64E-04	1.43E-03	3.64E-05	9.66E-10	9.86E-06	4.46E-06	5.08E-05
3211	491863.09	3846877.25	8.52E-05	1.12E-09	9.61E-06	4.18E-06	9.90E-05	4.02E-05	4.63E-04	7.21E-04	1.53E-04	1.38E-03	3.82E-05	9.22E-10	9.61E-06	4.18E-06	5.20E-05
3212	492363.09	3846877.25	1.06E-04	1.11E-09	1.03E-05	4.27E-06	1.20E-04	4.99E-05	4.59E-04	7.69E-04	1.57E-04	1.43E-03	4.74E-05	9.15E-10	1.03E-05	4.27E-06	6.20E-05
3213	492863.09	3846877.25	1.15E-04	1.11E-09	1.17E-05	4.22E-06	1.31E-04	5.43E-05	4.56E-04	8.76E-04	1.55E-04	1.54E-03	5.16E-05	9.09E-10	1.17E-05	4.22E-06	6.75E-05
3214	493363.09	3846877.25	1.29E-04	1.17E-09	1.05E-05	4.09E-06	1.44E-04	6.09E-05	4.82E-04	7.87E-04	1.50E-04	1.48E-03	5.79E-05	9.61E-10	1.05E-05	4.09E-06	7.25E-05
3215	493863.09	3846877.25	1.28E-04	1.21E-09	9.33E-06	4.18E-06	1.42E-04	6.05E-05	4.98E-04	7.00E-04	1.53E-04	1.41E-03	5.75E-05	9.92E-10	9.33E-06	4.18E-06	7.11E-05
3216	494363.09	3846877.25	1.34E-04	1.31E-09	9.51E-06	4.53E-06	1.48E-04	6.34E-05	5.40E-04	7.13E-04	1.66E-04	1.48E-03	6.03E-05	1.08E-09	9.51E-06	4.53E-06	7.43E-05
3217	494863.09	3846877.25	1.35E-04	1.42E-09	1.06E-05	3.99E-06	1.50E-04	6.37E-05	5.86E-04	7.91E-04	1.46E-04	1.59E-03	6.05E-05	1.17E-09	1.06E-05	3.99E-06	7.51E-05
3218	495363.09	3846877.25	1.24E-04	1.39E-09	9.45E-06	4.17E-06	1.38E-04	5.85E-05	5.74E-04	7.08E-04	1.53E-04	1.49E-03	5.56E-05	1.14E-09	9.45E-06	4.17E-06	6.93E-05
3219	495863.09	3846877.25	1.01E-04	1.43E-09	1.04E-05	3.96E-06	1.16E-04	4.77E-05	5.88E-04	7.84E-04	1.45E-04	1.56E-03	4.54E-05	1.17E-09	1.04E-05	3.96E-06	5.98E-05
3220	496363.09	3846877.25	1.01E-04	1.30E-09	1.13E-05	4.19E-06	1.17E-04	4.78E-05	5.35E-04	8.49E-04	1.54E-04	1.59E-03	4.55E-05	1.07E-09	1.13E-05	4.19E-06	6.10E-05
3221	496863.09	3846877.25	1.13E-04	1.16E-09	1.07E-05	4.22E-06	1.28E-04	5.35E-05	4.78E-04	8.05E-04	1.55E-04	1.49E-03	5.08E-05	9.52E-10	1.07E-05	4.22E-06	6.58E-05
3222	497363.09	3846877.25	1.23E-04	1.25E-09	1.75E-05	4.26E-06	1.45E-04	5.80E-05	5.13E-04	1.31E-03	1.56E-04	2.04E-03	5.52E-05	1.02E-09	1.75E-05	4.26E-06	7.70E-05
3223	497863.09	3846877.25	1.39E-04	1.32E-09	1.99E-05	4.75E-06	1.64E-04	6.55E-05	5.43E-04	1.49E-03	1.74E-04	2.28E-03	6.23E-05	1.08E-09	1.99E-05	4.75E-06	8.70E-05
3224	498363.09	3846877.25	1.46E-04	1.39E-09	2.04E-05	4.80E-06	1.71E-04	6.87E-05	5.75E-04	1.53E-03	1.76E-04	2.35E-03	6.53E-05	1.14E-09	2.04E-05	4.80E-06	9.05E-05
3225	471363.09	3847377.25	1.21E-03	1.13E-08	9.58E-06	5.08E-06	1.22E-03	5.69E-04	4.65E-03	7.18E-04	1.86E-04	6.13E-03	5.41E-04	9.27E-09	9.58E-06	5.08E-06	5.56E-04
3226	471863.09	3847377.25	1.19E-03	1.05E-08	8.05E-06	5.56E-06	1.20E-03	5.60E-04	4.31E-03	6.04E-04	2.04E-04	5.68E-03	5.33E-04	8.58E-09	8.05E-06	5.56E-06	5.46E-04
3227	472363.09	3847377.25	1.43E-03	1.17E-08	6.58E-06	4.55E-06	1.44E-03	6.76E-04	4.81E-03	4.94E-04	1.67E-04	6.15E-03	6.43E-04	9.58E-09	6.58E-06	4.55E-06	6.54E-04
3228	472863.09	3847377.25	1.19E-03	1.07E-08	5.60E-06	5.03E-06	1.20E-03	5.61E-04	4.43E-03	4.20E-04	1.85E-04	5.59E-03	5.33E-04	8.81E-09	5.60E-06	5.03E-06	5.44E-04
3229	473363.09	3847377.25	1.03E-03	7.03E-09	4.78E-06	6.06E-06	1.04E-03	4.83E-04	2.89E-03	3.58E-04	2.22E-04	3.96E-03	4.60E-04	5.77E-09	4.78E-06	6.06E-06	4.71E-04

3230	473863.09	3847377.25	9.13E-04	6.87E-09	5.93E-06	5.75E-06	9.25E-04	4.31E-04	2.83E-03	4.45E-04	2.11E-04	3.92E-03	4.10E-04	5.64E-09	5.93E-06	5.75E-06	4.21E-04
3231	474363.09	3847377.25	1.13E-03	7.23E-09	7.32E-06	6.21E-06	1.14E-03	5.33E-04	2.98E-03	5.49E-04	2.28E-04	4.29E-03	5.07E-04	5.94E-09	7.32E-06	6.21E-06	5.21E-04
3232	474863.09	3847377.25	1.08E-03	6.66E-09	8.24E-06	5.67E-06	1.10E-03	5.10E-04	2.75E-03	6.18E-04	2.08E-04	4.08E-03	4.85E-04	5.47E-09	8.24E-06	5.67E-06	4.99E-04
3233	475363.09	3847377.25	8.60E-04	6.71E-09	9.49E-06	4.46E-06	8.74E-04	4.06E-04	2.77E-03	7.12E-04	1.63E-04	4.05E-03	3.86E-04	5.51E-09	9.49E-06	4.46E-06	4.00E-04
3234	475863.09	3847377.25	1.34E-03	7.04E-09	9.78E-06	5.68E-06	1.36E-03	6.33E-04	2.90E-03	7.34E-04	2.08E-04	4.48E-03	6.02E-04	5.78E-09	9.78E-06	5.68E-06	6.17E-04
3235	476363.09	3847377.25	1.37E-03	8.55E-09	6.16E-06	6.14E-06	1.39E-03	6.48E-04	3.52E-03	4.62E-04	2.25E-04	4.86E-03	6.16E-04	7.01E-09	6.16E-06	6.14E-06	6.28E-04
3236	476863.09	3847377.25	1.99E-03	8.67E-09	5.04E-06	5.65E-06	2.00E-03	9.40E-04	3.57E-03	3.78E-04	2.07E-04	5.10E-03	8.94E-04	7.11E-09	5.04E-06	5.65E-06	9.04E-04
3237	477363.09	3847377.25	1.82E-03	7.02E-09	9.03E-06	5.97E-06	1.83E-03	8.58E-04	2.89E-03	6.78E-04	2.19E-04	4.65E-03	8.16E-04	5.76E-09	9.03E-06	5.97E-06	8.31E-04
3238	477863.09	3847377.25	1.50E-03	5.26E-09	1.33E-05	6.33E-06	1.52E-03	7.06E-04	2.17E-03	9.98E-04	2.32E-04	4.10E-03	6.71E-04	4.32E-09	1.33E-05	6.33E-06	6.91E-04
3239	478363.09	3847377.25	1.61E-03	5.54E-09	1.16E-05	6.79E-06	1.63E-03	7.60E-04	2.28E-03	8.72E-04	2.49E-04	4.16E-03	7.23E-04	4.55E-09	1.16E-05	6.79E-06	7.42E-04
3240	478863.09	3847377.25	1.15E-03	6.28E-09	1.17E-05	6.15E-06	1.16E-03	5.40E-04	2.59E-03	8.78E-04	2.25E-04	4.23E-03	5.14E-04	5.15E-09	1.17E-05	6.15E-06	5.31E-04
3241	479363.09	3847377.25	1.03E-03	4.65E-09	1.08E-05	6.14E-06	1.05E-03	4.86E-04	1.91E-03	8.09E-04	2.25E-04	3.43E-03	4.62E-04	3.81E-09	1.08E-05	6.14E-06	4.79E-04
3242	479863.09	3847377.25	5.83E-04	3.10E-09	1.38E-05	5.47E-06	6.03E-04	2.75E-04	1.28E-03	1.03E-03	2.01E-04	2.79E-03	2.62E-04	2.55E-09	1.38E-05	5.47E-06	2.81E-04
3243	480363.09	3847377.25	2.90E-04	2.72E-09	1.16E-05	6.56E-06	3.08E-04	1.37E-04	1.12E-03	8.73E-04	2.40E-04	2.37E-03	1.30E-04	2.23E-09	1.16E-05	6.56E-06	1.48E-04
3244	480863.09	3847377.25	2.69E-04	2.22E-09	8.71E-06	6.76E-06	2.85E-04	1.27E-04	9.14E-04	6.53E-04	2.48E-04	1.94E-03	1.21E-04	1.82E-09	8.71E-06	6.76E-06	1.36E-04
3245	481363.09	3847377.25	2.66E-04	2.28E-09	7.51E-06	6.17E-06	2.80E-04	1.25E-04	9.41E-04	5.63E-04	2.26E-04	1.86E-03	1.19E-04	1.87E-09	7.51E-06	6.17E-06	1.33E-04
3246	481863.09	3847377.25	3.48E-04	2.65E-09	1.02E-05	6.58E-06	3.65E-04	1.64E-04	1.09E-03	7.63E-04	2.41E-04	2.26E-03	1.56E-04	2.18E-09	1.02E-05	6.58E-06	1.73E-04
3247	482363.09	3847377.25	3.71E-04	2.88E-09	1.43E-05	5.83E-06	3.92E-04	1.75E-04	1.18E-03	1.07E-03	2.14E-04	2.65E-03	1.67E-04	2.36E-09	1.43E-05	5.83E-06	1.87E-04
3248	482863.09	3847377.25	3.36E-04	2.62E-09	1.53E-05	5.53E-06	3.57E-04	1.58E-04	1.08E-03	1.15E-03	2.03E-04	2.59E-03	1.51E-04	2.15E-09	1.53E-05	5.53E-06	1.71E-04
3249	483363.09	3847377.25	3.17E-04	2.50E-09	1.38E-05	5.36E-06	3.36E-04	1.49E-04	1.03E-03	1.04E-03	1.96E-04	2.41E-03	1.42E-04	2.05E-09	1.38E-05	5.36E-06	1.61E-04
3250	483863.09	3847377.25	2.64E-04	2.72E-09	1.74E-05	7.01E-06	2.88E-04	1.24E-04	1.12E-03	1.31E-03	2.57E-04	2.81E-03	1.18E-04	2.23E-09	1.74E-05	7.01E-06	1.43E-04
3251	484363.09	3847377.25	2.07E-04	2.57E-09	2.01E-05	6.58E-06	2.34E-04	9.76E-05	1.06E-03	1.51E-03	2.41E-04	2.91E-03	9.28E-05	2.11E-09	2.01E-05	6.58E-06	1.19E-04
3252	484863.09	3847377.25	2.35E-04	2.12E-09	1.78E-05	6.37E-06	2.59E-04	1.11E-04	8.74E-04	1.33E-03	2.34E-04	2.55E-03	1.05E-04	1.74E-09	1.78E-05	6.37E-06	1.30E-04
3253	485363.09	3847377.25	2.76E-04	1.91E-09	2.78E-05	5.38E-06	3.09E-04	1.30E-04	7.87E-04	2.09E-03	1.97E-04	3.20E-03	1.24E-04	1.57E-09	2.78E-05	5.38E-06	1.57E-04
3254	485863.09	3847377.25	2.71E-04	1.94E-09	2.01E-05	5.44E-06	2.97E-04	1.28E-04	7.97E-04	1.51E-03	2.00E-04	2.63E-03	1.22E-04	1.59E-09	2.01E-05	5.44E-06	1.47E-04
3255	486363.09	3847377.25	2.41E-04	1.86E-09	1.53E-05	5.18E-06	2.62E-04	1.14E-04	7.65E-04	1.14E-03	1.90E-04	2.21E-03	1.08E-04	1.52E-09	1.53E-05	5.18E-06	1.29E-04
3256	486863.09	3847377.25	2.28E-04	1.99E-09	8.67E-06	4.59E-06	2.41E-04	1.08E-04	8.20E-04	6.51E-04	1.68E-04	1.75E-03	1.02E-04	1.63E-09	8.67E-06	4.59E-06	1.16E-04
3257	487363.09	3847377.25	2.04E-04	1.91E-09	8.75E-06	4.73E-06	2.17E-04	9.61E-05	7.88E-04	6.56E-04	1.74E-04	1.71E-03	9.14E-05	1.57E-09	8.75E-06	4.73E-06	1.05E-04
3258	487863.09	3847377.25	1.73E-04	1.93E-09	5.96E-06	4.87E-06	1.83E-04	8.14E-05	7.94E-04	4.47E-04	1.78E-04	1.50E-03	7.74E-05	1.58E-09	5.96E-06	4.87E-06	8.82E-05
3259	488363.09	3847377.25	1.91E-04	1.75E-09	4.81E-06	4.40E-06	2.00E-04	9.01E-05	7.21E-04	3.61E-04	1.61E-04	1.33E-03	8.57E-05	1.44E-09	4.81E-06	4.40E-06	9.49E-05
3260	488863.09	3847377.25	1.47E-04	1.66E-09	9.41E-06	4.21E-06	1.61E-04	6.93E-05	6.84E-04	7.05E-04	1.54E-04	1.61E-03	6.59E-05	1.36E-09	9.41E-06	4.21E-06	7.95E-05
3261	489363.09	3847377.25	1.54E-04	1.38E-09	1.83E-05	4.67E-06	1.77E-04	7.26E-05	5.70E-04	1.37E-03	1.71E-04	2.18E-03	6.91E-05	1.14E-09	1.83E-05	4.67E-06	9.20E-05
3262	489863.09	3847377.25	1.33E-04	1.57E-09	1.77E-05	5.35E-06	1.56E-04	6.26E-05	6.47E-04	1.33E-03	1.96E-04	2.23E-03	5.95E-05	1.29E-09	1.77E-05	5.35E-06	8.26E-05
3263	490363.09	3847377.25	1.27E-04	1.24E-09	1.20E-05	4.63E-06	1.44E-04	6.01E-05	5.10E-04	9.01E-04	1.70E-04	1.64E-03	5.71E-05	1.02E-09	1.20E-05	4.63E-06	7.38E-05
3264	490863.09	3847377.25	9.45E-05	1.23E-09	8.91E-06	4.43E-06	1.08E-04	4.45E-05	5.08E-04	6.68E-04	1.62E-04	1.38E-03	4.24E-05	1.01E-09	8.91E-06	4.43E-06	5.57E-05
3265	491363.09	3847377.25	1.13E-04	1.19E-09	1.09E-05	4.79E-06	1.29E-04	5.33E-05	4.89E-04	8.17E-04	1.76E-04	1.53E-03	5.07E-05	9.74E-10	1.09E-05	4.79E-06	6.64E-05
3266	491863.09	3847377.25	1.53E-04	1.21E-09	1.13E-05	4.43E-06	1.69E-04	7.21E-05	5.00E-04	8.48E-04	1.63E-04	1.58E-03	6.85E-05	9.96E-10	1.13E-05	4.43E-06	8.43E-05
3267	492363.09	3847377.25	1.20E-04	1.13E-09	1.25E-05	4.50E-06	1.37E-04	5.68E-05	4.65E-04	9.34E-04	1.65E-04	1.62E-03	5.40E-05	9.25E-10	1.25E-05	4.50E-06	7.10E-05
3268	492863.09	3847377.25	1.29E-04	1.23E-09	9.86E-06	4.27E-06	1.44E-04	6.11E-05	5.07E-04	7.39E-04	1.57E-04	1.46E-03	5.81E-05	1.01E-09	9.86E-06	4.27E-06	7.22E-05
3269	493363.09	3847377.25	1.30E-04	1.23E-09	1.08E-05	4.36E-06	1.45E-04	6.15E-05	5.05E-04	8.10E-04	1.60E-04	1.54E-03	5.84E-05	1.01E-09	1.08E-05	4.36E-06	7.36E-05
3270	493863.09	3847377.25	1.36E-04	1.27E-09	9.78E-06	4.65E-06	1.50E-04	6.41E-05	5.24E-04	7.33E-04	1.71E-04	1.49E-03	6.09E-05	1.04E-09	9.78E-06	4.65E-06	7.54E-05
3271	494363.09	3847377.25	1.36E-04	1.39E-09	1.11E-05	4.16E-06	1.51E-04	6.41E-05	5.72E-04	8.36E-04	1.52E-04	1.62E-03	6.10E-05	1.14E-09	1.11E-05	4.16E-06	7.63E-05
3272	494863.09	3847377.25	1.34E-04	1.36E-09	1.07E-05	3.66E-06	1.49E-04	6.33E-05	5.60E-04	7.99E-04	1.34E-04	1.56E-03	6.02E-05	1.11E-09	1.07E-05	3.66E-06	7.46E-05
3273	495363.09	3847377.25	1.05E-04	1.35E-09	9.93E-06	4.08E-06	1.19E-04	4.97E-05	5.56E-04	7.45E-04	1.50E-04	1.50E-03	4.73E-05	1.11E-09	9.93E-06	4.08E-06	6.13E-05
3274	495863.09	3847377.25	1.01E-04	1.35E-09	1.20E-05	4.37E-06	1.17E-04	4.76E-05	5.58E-04	8.98E-04	1.60E-04	1.66E-03	4.52E-05	1.11E-09	1.20E-05	4.37E-06	6.16E-05
3275	496363.09	3847377.25	1.19E-04	1.18E-09	1.12E-05	4.12E-06	1.34E-04	5.60E-05	4.84E-04	8.37E-04	1.51E-04	1.53E-03	5.33E-05	9.65E-10	1.12E-05	4.12E-06	6.86E-05
3276	496863.09	3847377.25	1.18E-04	1.26E-09	1.51E-05	4.22E-06	1.37E-04	5.54E-05	5.19E-04	1.13E-03	1.55E-04	1.86E-03	5.27E-05	1.03E-09	1.51E-05	4.22E-06	7.21E-05
3277	497363.09	3847377.25	1.44E-04	1.42E-09	1.75E-05	4.77E-06	1.66E-04	6.78E-05	5.83E-04	1.32E-03	1.75E-04	2.14E-03	6.45E-05	1.16E-09	1.75E-05	4.77E-06	8.68E-05
3278	497863.09	3847377.25	1.50E-04	1.48E-09	2.12E-05	4.66E-06	1.76E-04	7.09E-05	6.10E-04	1.59E-03	1.71E-04	2.44E-03	6.74E-05	1.22E-09	2.12E-05	4.66E-06	9.33E-05
3279	498363.09	3847377.25	1.67E-04	1.38E-09	2.14E-05	4.82E-06	1.93E-04	7.86E-05	5.68E-04	1.61E-03	1.77E-04	2.43E-03	7.48E-05	1.13E-09	2.14E-05	4.82E-06	1.01E-04
3280	471363.09	3847877.25	1.38E-03	1.17E-08	8.05E-06	4.78E-06	1.39E-03	6.49E-04	4.81E-03	6.03E-04	1.75E-04	6.24E-03	6.17E-04	9.59E-09	8.05E-06	4.78E-06	6.30E-04
3281	471863.09	3847877.25	1.25E-03	1.32E-08	1.07E-05	5.18E-06	1.27E-03	5.90E-04	5.43E-03	8.02E-04	1.90E-04	7.01E-03	5.61E-04	1.08E-08	1.07E-05	5.18E-06	5.77E-04
3282	472363.09	3847877.25	1.21E-03	1.08E-08	9.45E-06	5.68E-06	1.22E-03	5.70E-04	4.47E-03	7.09E-04	2.08E-04	5.95E-03	5.42E-04	8.90E-09	9.45E-06	5.68E-06	5.57E-04
3283	472863.09	3847877.25	1.53E-03	1.40E-08	7.81E-06	5.32E-06	1.54E-03	7.21E-04	5.78E-03	5.86E-04	1.95E-04	7.28E-03	6.86E-04	1.15E-08	7.81E-06	5.32E-06	6.99E-04
3284	473363.09	3847877.25	1.23E-03	1.32E-08	7.34E-06	4.93E-06	1.25E-03	5.82E-04	5.42E-03	5.51E-04	1.81E-04	6.74E-03	5.54E-04	1.08E-08	7.34E-06	4.93E-06	5.66E-04
3285	473863.09	3847877.25	1.23E-03	1.11E-08	4.90E-06	6.10E-06	1.24E-03	5.80E-04	4.56E-03	3.68E-04	2.24E-04	5.73E-03	5.52E-04	9.08E-09	4.90E-06	6.10E-06	5.63E-04
3286	474363.09	3847877.25	1.15E-03	8.41E-09	5.92E-06	5.86E-06	1.16E-03	5.43E-04	3.46E-03	4.44E-04	2.15E-04	4.67E-03	5.16E-04	6.90E-09	5.92E-06	5.86E-06	5.28E-04
3287	474863.09	3847877.25	1.05E-03	8.38E-09	7.17E-06	6.42E-06	1.06E-03	4.94E-04	3.45E-03	5.38E-04	2.35E-04	4.72E-03	4.70E-04	6.87E-09	7.17E-06	6.42E-06	4.84E-04
3288	475363.09	3847877.25	1.16E-03	7.32E-09	8.36E-06	5.97E-06	1.18E-03	5.48E-04	3.02E-03	6.27E-04	2.19E-04	4.41E-03	5.21E-04	6.01E-09	8.36E-06	5.97E-06	5.35E-04
3289	475863.09	3847877.25	9.73E-04	7.30E-09	9.70E-06	4.77E-06	9.88E-04	4.59E-04	3.01E-03	7.27E-04	1.75E-04	4.37E-03	4.37E-04	5.99E-09	9.70E-06	4.77E-06	4.51E-04
3290	476363.09	3847877.25	1.63E-03	9.21E-09	1.05E-05	5.96E-06	1.64E-03	7.68E-04	3.79E-03	7.87E-04	2.18E-04	5.57E-03	7.30E-04	7.56E-09	1.05E-05	5.96E-06	7.46E-04

3291	476863.09	3847877.25	1.43E-03	9.35E-09	7.05E-06	6.32E-06	1.44E-03	6.73E-04	3.85E-03	5.29E-04	2.32E-04	5.28E-03	6.40E-04	7.67E-09	7.05E-06	6.32E-06	6.54E-04
3292	477363.09	3847877.25	2.27E-03	9.52E-09	5.28E-06	5.97E-06	2.29E-03	1.07E-03	3.92E-03	3.96E-04	2.19E-04	5.61E-03	1.02E-03	7.81E-09	5.28E-06	5.97E-06	1.03E-03
3293	477863.09	3847877.25	2.01E-03	8.21E-09	9.60E-06	6.36E-06	2.02E-03	9.47E-04	3.38E-03	7.20E-04	2.33E-04	5.28E-03	9.01E-04	6.73E-09	9.60E-06	6.36E-06	9.17E-04
3294	478363.09	3847877.25	1.90E-03	6.10E-09	1.38E-05	6.83E-06	1.92E-03	8.98E-04	2.51E-03	1.04E-03	2.50E-04	4.70E-03	8.54E-04	5.01E-09	1.38E-05	6.83E-06	8.74E-04
3295	478863.09	3847877.25	1.69E-03	6.14E-09	1.26E-05	6.80E-06	1.71E-03	7.99E-04	2.53E-03	9.47E-04	2.49E-04	4.52E-03	7.59E-04	5.04E-09	1.26E-05	6.80E-06	7.79E-04
3296	479363.09	3847877.25	8.69E-04	5.46E-09	1.19E-05	6.13E-06	8.87E-04	4.10E-04	2.25E-03	8.90E-04	2.25E-04	3.77E-03	3.90E-04	4.48E-09	1.19E-05	6.13E-06	4.08E-04
3297	479863.09	3847877.25	3.86E-04	2.69E-09	1.12E-05	5.82E-06	4.03E-04	1.82E-04	1.11E-03	8.39E-04	2.13E-04	2.34E-03	1.73E-04	2.21E-09	1.12E-05	5.82E-06	1.90E-04
3298	480363.09	3847877.25	4.39E-04	2.86E-09	9.60E-06	6.21E-06	4.55E-04	2.07E-04	1.18E-03	7.20E-04	2.28E-04	2.33E-03	1.97E-04	2.35E-09	9.60E-06	6.21E-06	2.13E-04
3299	480863.09	3847877.25	3.14E-04	2.46E-09	1.35E-05	6.56E-06	3.34E-04	1.48E-04	1.01E-03	1.01E-03	2.41E-04	2.42E-03	1.41E-04	2.02E-09	1.35E-05	6.56E-06	1.61E-04
3300	481363.09	3847877.25	3.72E-04	2.53E-09	7.44E-06	6.59E-06	3.86E-04	1.75E-04	1.04E-03	5.58E-04	2.42E-04	2.02E-03	1.67E-04	2.07E-09	7.44E-06	6.59E-06	1.81E-04
3301	481863.09	3847877.25	4.06E-04	2.84E-09	1.09E-05	7.33E-06	4.24E-04	1.91E-04	1.17E-03	8.16E-04	2.69E-04	2.44E-03	1.82E-04	2.33E-09	1.09E-05	7.33E-06	2.00E-04
3302	482363.09	3847877.25	4.09E-04	3.12E-09	1.15E-05	6.05E-06	4.27E-04	1.93E-04	1.29E-03	8.64E-04	2.22E-04	2.56E-03	1.84E-04	2.56E-09	1.15E-05	6.05E-06	2.01E-04
3303	482863.09	3847877.25	3.81E-04	2.77E-09	1.78E-05	5.72E-06	4.04E-04	1.80E-04	1.14E-03	1.34E-03	2.10E-04	2.87E-03	1.71E-04	2.27E-09	1.78E-05	5.72E-06	1.94E-04
3304	483363.09	3847877.25	3.58E-04	2.93E-09	1.41E-05	5.22E-06	3.77E-04	1.69E-04	1.21E-03	1.05E-03	1.91E-04	2.62E-03	1.60E-04	2.40E-09	1.41E-05	5.22E-06	1.80E-04
3305	483863.09	3847877.25	2.85E-04	2.88E-09	1.46E-05	7.15E-06	3.07E-04	1.34E-04	1.19E-03	1.09E-03	2.62E-04	2.68E-03	1.28E-04	2.36E-09	1.46E-05	7.15E-06	1.50E-04
3306	484363.09	3847877.25	2.36E-04	2.78E-09	2.21E-05	8.21E-06	2.67E-04	1.11E-04	1.15E-03	1.65E-03	3.01E-04	3.21E-03	1.06E-04	2.28E-09	2.21E-05	8.21E-06	1.36E-04
3307	484863.09	3847877.25	2.69E-04	2.33E-09	2.17E-05	7.76E-06	2.98E-04	1.27E-04	9.59E-04	1.63E-03	2.84E-04	3.00E-03	1.21E-04	1.91E-09	2.17E-05	7.76E-06	1.50E-04
3308	485363.09	3847877.25	3.05E-04	2.02E-09	2.68E-05	6.12E-06	3.38E-04	1.44E-04	8.32E-04	2.01E-03	2.24E-04	3.21E-03	1.37E-04	1.66E-09	2.68E-05	6.12E-06	1.70E-04
3309	485863.09	3847877.25	3.00E-04	2.06E-09	2.42E-05	5.74E-06	3.30E-04	1.42E-04	8.48E-04	1.81E-03	2.10E-04	3.01E-03	1.35E-04	1.69E-09	2.42E-05	5.74E-06	1.65E-04
3310	486363.09	3847877.25	2.56E-04	1.93E-09	1.77E-05	5.39E-06	2.79E-04	1.21E-04	7.96E-04	1.33E-03	1.98E-04	2.44E-03	1.15E-04	1.59E-09	1.77E-05	5.39E-06	1.38E-04
3311	486863.09	3847877.25	2.29E-04	2.19E-09	9.97E-06	4.94E-06	2.44E-04	1.08E-04	9.02E-04	7.48E-04	1.81E-04	1.94E-03	1.03E-04	1.80E-09	9.97E-06	4.94E-06	1.18E-04
3312	487363.09	3847877.25	2.23E-04	2.31E-09	9.01E-06	5.17E-06	2.37E-04	1.05E-04	9.54E-04	6.75E-04	1.90E-04	1.92E-03	9.99E-05	1.90E-09	9.01E-06	5.17E-06	1.14E-04
3313	487863.09	3847877.25	2.03E-04	1.97E-09	6.62E-06	4.83E-06	2.14E-04	9.55E-05	8.12E-04	4.97E-04	1.77E-04	1.58E-03	9.09E-05	1.62E-09	6.62E-06	4.83E-06	1.02E-04
3314	488363.09	3847877.25	2.07E-04	1.99E-09	5.12E-06	5.67E-06	2.18E-04	9.77E-05	8.21E-04	3.84E-04	2.08E-04	1.51E-03	9.29E-05	1.63E-09	5.12E-06	5.67E-06	1.04E-04
3315	488863.09	3847877.25	1.98E-04	2.19E-09	1.03E-05	4.30E-06	2.12E-04	9.33E-05	9.00E-04	7.75E-04	1.58E-04	1.93E-03	8.87E-05	1.79E-09	1.03E-05	4.30E-06	1.03E-04
3316	489363.09	3847877.25	1.72E-04	1.59E-09	2.05E-05	5.09E-06	1.98E-04	8.12E-05	6.54E-04	1.54E-03	1.87E-04	2.46E-03	7.72E-05	1.30E-09	2.05E-05	5.09E-06	1.03E-04
3317	489863.09	3847877.25	1.47E-04	1.81E-09	1.87E-05	5.48E-06	1.71E-04	6.94E-05	7.44E-04	1.40E-03	2.01E-04	2.42E-03	6.60E-05	1.48E-09	1.87E-05	5.48E-06	9.02E-05
3318	490363.09	3847877.25	1.46E-04	1.60E-09	2.00E-05	5.68E-06	1.72E-04	6.89E-05	6.57E-04	1.50E-03	2.08E-04	2.44E-03	6.55E-05	1.31E-09	2.00E-05	5.68E-06	9.12E-05
3319	490863.09	3847877.25	1.45E-04	1.56E-09	1.05E-05	4.77E-06	1.60E-04	6.84E-05	6.44E-04	7.84E-04	1.75E-04	1.67E-03	6.51E-05	1.28E-09	1.05E-05	4.77E-06	8.03E-05
3320	491363.09	3847877.25	1.57E-04	1.47E-09	1.18E-05	4.95E-06	1.73E-04	7.39E-05	6.05E-04	8.82E-04	1.82E-04	1.74E-03	7.03E-05	1.20E-09	1.18E-05	4.95E-06	8.70E-05
3321	491863.09	3847877.25	1.53E-04	1.36E-09	1.15E-05	4.91E-06	1.69E-04	7.21E-05	5.61E-04	8.59E-04	1.80E-04	1.67E-03	6.86E-05	1.12E-09	1.15E-05	4.91E-06	8.50E-05
3322	492363.09	3847877.25	1.58E-04	1.32E-09	1.42E-05	4.97E-06	1.77E-04	7.44E-05	5.43E-04	1.07E-03	1.82E-04	1.86E-03	7.08E-05	1.08E-09	1.42E-05	4.97E-06	9.00E-05
3323	492863.09	3847877.25	1.52E-04	1.40E-09	1.17E-05	4.75E-06	1.68E-04	7.17E-05	5.78E-04	8.78E-04	1.74E-04	1.70E-03	6.82E-05	1.15E-09	1.17E-05	4.75E-06	8.46E-05
3324	493363.09	3847877.25	1.37E-04	1.23E-09	1.00E-05	4.77E-06	1.52E-04	6.48E-05	5.06E-04	7.53E-04	1.75E-04	1.50E-03	6.16E-05	1.01E-09	1.00E-05	4.77E-06	7.64E-05
3325	493863.09	3847877.25	1.22E-04	1.35E-09	1.01E-05	4.25E-06	1.36E-04	5.74E-05	5.56E-04	7.54E-04	1.56E-04	1.52E-03	5.46E-05	1.11E-09	1.01E-05	4.25E-06	6.89E-05
3326	494363.09	3847877.25	1.03E-04	1.37E-09	1.12E-05	3.66E-06	1.17E-04	4.84E-05	5.65E-04	8.38E-04	1.34E-04	1.59E-03	4.60E-05	1.13E-09	1.12E-05	3.66E-06	6.08E-05
3327	494863.09	3847877.25	9.61E-05	1.27E-09	9.71E-06	4.19E-06	1.10E-04	4.53E-05	5.22E-04	7.28E-04	1.53E-04	1.45E-03	4.31E-05	1.04E-09	9.71E-06	4.19E-06	5.70E-05
3328	495363.09	3847877.25	1.01E-04	1.37E-09	1.27E-05	4.05E-06	1.18E-04	4.78E-05	5.66E-04	9.50E-04	1.49E-04	1.71E-03	4.55E-05	1.13E-09	1.27E-05	4.05E-06	6.22E-05
3329	495863.09	3847877.25	9.90E-05	1.16E-09	1.26E-05	4.01E-06	1.16E-04	4.67E-05	4.80E-04	9.45E-04	1.47E-04	1.62E-03	4.44E-05	9.56E-10	1.26E-05	4.01E-06	6.10E-05
3330	496363.09	3847877.25	1.11E-04	1.28E-09	1.40E-05	4.39E-06	1.29E-04	5.24E-05	5.28E-04	1.05E-03	1.61E-04	1.79E-03	4.98E-05	1.05E-09	1.40E-05	4.39E-06	6.82E-05
3331	496863.09	3847877.25	1.39E-04	1.49E-09	1.78E-05	4.18E-06	1.61E-04	6.58E-05	6.13E-04	1.33E-03	1.53E-04	2.17E-03	6.26E-05	1.22E-09	1.78E-05	4.18E-06	8.45E-05
3332	497363.09	3847877.25	1.49E-04	1.55E-09	2.03E-05	4.38E-06	1.73E-04	7.01E-05	6.39E-04	1.52E-03	1.61E-04	2.39E-03	6.66E-05	1.27E-09	2.03E-05	4.38E-06	9.13E-05
3333	497863.09	3847877.25	1.73E-04	1.49E-09	2.27E-05	4.76E-06	2.01E-04	8.17E-05	6.14E-04	1.71E-03	1.74E-04	2.58E-03	7.77E-05	1.22E-09	2.27E-05	4.76E-06	1.05E-04
3334	498363.09	3847877.25	1.85E-04	1.49E-09	2.23E-05	5.01E-06	2.12E-04	8.73E-05	6.13E-04	1.67E-03	1.84E-04	2.55E-03	8.30E-05	1.22E-09	2.23E-05	5.01E-06	1.10E-04
3335	471363.09	3848377.25	1.13E-03	1.28E-08	6.32E-06	5.03E-06	1.15E-03	5.35E-04	5.28E-03	4.74E-04	1.84E-04	6.47E-03	5.09E-04	1.05E-08	6.32E-06	5.03E-06	5.20E-04
3336	471863.09	3848377.25	1.38E-03	1.22E-08	7.28E-06	5.03E-06	1.39E-03	6.49E-04	5.05E-03	5.46E-04	1.85E-04	6.42E-03	6.17E-04	1.00E-08	7.28E-06	5.03E-06	6.30E-04
3337	472363.09	3848377.25	1.37E-03	1.33E-08	9.73E-06	5.27E-06	1.39E-03	6.48E-04	5.50E-03	7.30E-04	1.93E-04	7.07E-03	6.16E-04	1.10E-08	9.73E-06	5.27E-06	6.31E-04
3338	472863.09	3848377.25	1.43E-03	1.28E-08	1.10E-05	5.89E-06	1.45E-03	6.74E-04	5.25E-03	8.28E-04	2.16E-04	6.97E-03	6.41E-04	1.05E-08	1.10E-05	5.89E-06	6.58E-04
3339	473363.09	3848377.25	1.31E-03	1.36E-08	9.25E-06	6.22E-06	1.33E-03	6.18E-04	5.59E-03	6.94E-04	2.28E-04	7.13E-03	5.88E-04	1.11E-08	9.25E-06	6.22E-06	6.03E-04
3340	473863.09	3848377.25	1.64E-03	1.51E-08	7.50E-06	4.79E-06	1.65E-03	7.74E-04	6.21E-03	5.63E-04	1.75E-04	7.73E-03	7.36E-04	1.24E-08	7.50E-06	4.79E-06	7.48E-04
3341	474363.09	3848377.25	1.44E-03	1.24E-08	5.94E-06	6.09E-06	1.45E-03	6.80E-04	5.10E-03	4.46E-04	2.23E-04	6.45E-03	6.46E-04	1.02E-08	5.94E-06	6.09E-06	6.59E-04
3342	474863.09	3848377.25	1.44E-03	1.06E-08	5.90E-06	6.14E-06	1.45E-03	6.79E-04	4.35E-03	4.43E-04	2.25E-04	5.70E-03	6.46E-04	8.67E-09	5.90E-06	6.14E-06	6.58E-04
3343	475363.09	3848377.25	1.07E-03	1.16E-08	7.11E-06	6.64E-06	1.08E-03	5.02E-04	4.79E-03	5.33E-04	2.44E-04	6.07E-03	4.78E-04	9.55E-09	7.11E-06	6.64E-06	4.92E-04
3344	475863.09	3848377.25	1.37E-03	9.47E-09	8.46E-06	6.31E-06	1.39E-03	6.48E-04	3.90E-03	6.35E-04	2.31E-04	5.42E-03	6.16E-04	7.77E-09	8.46E-06	6.31E-06	6.31E-04
3345	476363.09	3848377.25	1.16E-03	8.25E-09	9.90E-06	5.12E-06	1.18E-03	5.48E-04	3.40E-03	7.43E-04	1.88E-04	4.88E-03	5.21E-04	6.77E-09	9.90E-06	5.12E-06	5.37E-04
3346	476863.09	3848377.25	1.96E-03	1.10E-08	1.13E-05	6.33E-06	1.98E-03	9.24E-04	4.51E-03	8.44E-04	2.32E-04	6.51E-03	8.79E-04	8.99E-09	1.13E-05	6.33E-06	8.96E-04
3347	477363.09	3848377.25	1.69E-03	9.97E-09	8.08E-06	6.50E-06	1.71E-03	7.98E-04	4.11E-03	6.06E-04	2.38E-04	5.75E-03	7.59E-04	8.18E-09	8.08E-06	6.50E-06	7.73E-04
3348	477863.09	3848377.25	2.49E-03	1.01E-08	5.78E-06	6.29E-06	2.51E-03	1.18E-03	4.16E-03	4.34E-04	2.31E-04	6.00E-03	1.12E-03	8.28E-09	5.78E-06	6.29E-06	1.13E-03
3349	478363.09	3848377.25	2.30E-03	7.98E-09	1.02E-05	6.64E-06	2.31E-03	1.08E-03	3.29E-03	7.66E-04	2.43E-04	5.38E-03	1.03E-03	6.55E-09	1.02E-05	6.64E-06	1.05E-03
3350	478863.09	3848377.25	2.12E-03	5.95E-09	1.44E-05	7.27E-06	2.14E-03	9.98E-04	2.45E-03	1.08E-03	2.67E-04	4.80E-03	9.49E-04	4.88E-09	1.44E-05	7.27E-06	9.71E-04
3351	479363.09	3848377.25	1.07E-03	5.28E-09	1.37E-05	6.66E-06	1.09E-03	5.05E-04	2.18E-03	1.02E-03	2.44E-04	3.95E-03	4.80E-04	4.34E-09	1.37E-05	6.66E-06	5.01E-04

3352	479863.09	3848377.25	3.43E-04	2.20E-09	9.74E-06	5.85E-06	3.58E-04	1.62E-04	9.08E-04	7.30E-04	2.14E-04	2.01E-03	1.54E-04	1.81E-09	9.74E-06	5.85E-06	1.69E-04
3353	480363.09	3848377.25	4.37E-04	2.79E-09	1.14E-05	5.92E-06	4.54E-04	2.06E-04	1.15E-03	8.58E-04	2.17E-04	2.43E-03	1.96E-04	2.29E-09	1.14E-05	5.92E-06	2.13E-04
3354	480863.09	3848377.25	5.58E-04	3.40E-09	1.62E-05	7.04E-06	5.81E-04	2.63E-04	1.40E-03	1.22E-03	2.58E-04	3.14E-03	2.50E-04	2.79E-09	1.62E-05	7.04E-06	2.74E-04
3355	481363.09	3848377.25	5.22E-04	3.41E-09	1.28E-05	7.01E-06	5.42E-04	2.46E-04	1.41E-03	9.61E-04	2.57E-04	2.87E-03	2.34E-04	2.80E-09	1.28E-05	7.01E-06	2.54E-04
3356	481863.09	3848377.25	4.63E-04	2.90E-09	8.99E-06	7.04E-06	4.79E-04	2.18E-04	1.20E-03	6.74E-04	2.58E-04	2.35E-03	2.07E-04	2.38E-09	8.99E-06	7.04E-06	2.23E-04
3357	482363.09	3848377.25	5.31E-04	3.23E-09	1.28E-05	6.07E-06	5.50E-04	2.50E-04	1.33E-03	9.59E-04	2.22E-04	2.76E-03	2.38E-04	2.65E-09	1.28E-05	6.07E-06	2.57E-04
3358	482863.09	3848377.25	4.27E-04	3.22E-09	1.53E-05	5.90E-06	4.49E-04	2.02E-04	1.33E-03	1.15E-03	2.16E-04	2.90E-03	1.92E-04	2.65E-09	1.53E-05	5.90E-06	2.13E-04
3359	483363.09	3848377.25	3.83E-04	3.21E-09	1.68E-05	5.19E-06	4.05E-04	1.81E-04	1.32E-03	1.26E-03	1.90E-04	2.95E-03	1.72E-04	2.64E-09	1.68E-05	5.19E-06	1.94E-04
3360	483863.09	3848377.25	2.97E-04	2.90E-09	1.41E-05	6.58E-06	3.18E-04	1.40E-04	1.20E-03	1.05E-03	2.41E-04	2.63E-03	1.33E-04	2.38E-09	1.41E-05	6.58E-06	1.54E-04
3361	484363.09	3848377.25	2.60E-04	2.87E-09	2.01E-05	8.22E-06	2.89E-04	1.23E-04	1.18E-03	1.51E-03	3.02E-04	3.12E-03	1.17E-04	2.35E-09	2.01E-05	8.22E-06	1.45E-04
3362	484863.09	3848377.25	3.08E-04	2.95E-09	2.58E-05	8.01E-06	3.41E-04	1.45E-04	1.21E-03	1.93E-03	2.94E-04	3.58E-03	1.38E-04	2.42E-09	2.58E-05	8.01E-06	1.72E-04
3363	485363.09	3848377.25	3.30E-04	2.10E-09	2.81E-05	6.72E-06	3.65E-04	1.56E-04	8.66E-04	2.11E-03	2.47E-04	3.38E-03	1.48E-04	1.72E-09	2.81E-05	6.72E-06	1.83E-04
3364	485863.09	3848377.25	3.21E-04	2.04E-09	2.72E-05	5.95E-06	3.54E-04	1.52E-04	8.42E-04	2.04E-03	2.18E-04	3.25E-03	1.44E-04	1.68E-09	2.72E-05	5.95E-06	1.77E-04
3365	486363.09	3848377.25	2.75E-04	2.12E-09	1.93E-05	5.60E-06	3.00E-04	1.30E-04	8.75E-04	1.45E-03	2.05E-04	2.66E-03	1.24E-04	1.74E-09	1.93E-05	5.60E-06	1.48E-04
3366	486863.09	3848377.25	2.48E-04	2.36E-09	1.15E-05	5.26E-06	2.65E-04	1.17E-04	9.74E-04	8.66E-04	1.93E-04	2.15E-03	1.11E-04	1.94E-09	1.15E-05	5.26E-06	1.28E-04
3367	487363.09	3848377.25	2.30E-04	2.35E-09	1.00E-05	5.26E-06	2.45E-04	1.08E-04	9.68E-04	7.52E-04	1.93E-04	2.02E-03	1.03E-04	1.93E-09	1.00E-05	5.26E-06	1.18E-04
3368	487863.09	3848377.25	2.20E-04	2.07E-09	7.58E-06	5.48E-06	2.33E-04	1.04E-04	8.53E-04	5.68E-04	2.01E-04	1.73E-03	9.88E-05	1.70E-09	7.58E-06	5.48E-06	1.12E-04
3369	488363.09	3848377.25	2.13E-04	2.20E-09	5.44E-06	5.95E-06	2.24E-04	1.00E-04	9.07E-04	4.08E-04	2.18E-04	1.63E-03	9.55E-05	1.81E-09	5.44E-06	5.95E-06	1.07E-04
3370	488863.09	3848377.25	2.14E-04	2.22E-09	1.14E-05	5.09E-06	2.30E-04	1.01E-04	9.16E-04	8.56E-04	1.87E-04	2.06E-03	9.58E-05	1.82E-09	1.14E-05	5.09E-06	1.12E-04
3371	489363.09	3848377.25	1.82E-04	1.77E-09	2.30E-05	5.35E-06	2.10E-04	8.57E-05	7.28E-04	1.73E-03	1.96E-04	2.74E-03	8.15E-05	1.45E-09	2.30E-05	5.35E-06	1.10E-04
3372	489863.09	3848377.25	1.73E-04	1.87E-09	2.22E-05	6.14E-06	2.02E-04	8.17E-05	7.72E-04	1.66E-03	2.25E-04	2.74E-03	7.77E-05	1.54E-09	2.22E-05	6.14E-06	1.06E-04
3373	490363.09	3848377.25	1.65E-04	1.53E-09	1.85E-05	5.50E-06	1.89E-04	7.78E-05	6.31E-04	1.39E-03	2.02E-04	2.30E-03	7.40E-05	1.26E-09	1.85E-05	5.50E-06	9.80E-05
3374	490863.09	3848377.25	1.67E-04	1.65E-09	1.08E-05	5.09E-06	1.83E-04	7.89E-05	6.80E-04	8.07E-04	1.87E-04	1.75E-03	7.50E-05	1.35E-09	1.08E-05	5.09E-06	9.08E-05
3375	491363.09	3848377.25	1.65E-04	1.54E-09	1.30E-05	5.19E-06	1.83E-04	7.76E-05	6.33E-04	9.78E-04	1.90E-04	1.88E-03	7.38E-05	1.26E-09	1.30E-05	5.19E-06	9.20E-05
3376	491863.09	3848377.25	1.66E-04	1.49E-09	1.33E-05	5.11E-06	1.84E-04	7.82E-05	6.16E-04	1.00E-03	1.88E-04	1.88E-03	7.43E-05	1.23E-09	1.33E-05	5.11E-06	9.28E-05
3377	492363.09	3848377.25	1.52E-04	1.48E-09	1.17E-05	5.06E-06	1.69E-04	7.18E-05	6.09E-04	8.76E-04	1.85E-04	1.74E-03	6.83E-05	1.21E-09	1.17E-05	5.06E-06	8.50E-05
3378	492863.09	3848377.25	1.39E-04	1.23E-09	1.17E-05	4.90E-06	1.55E-04	6.55E-05	5.07E-04	8.81E-04	1.80E-04	1.63E-03	6.23E-05	1.01E-09	1.17E-05	4.90E-06	7.89E-05
3379	493363.09	3848377.25	1.30E-04	1.31E-09	9.63E-06	4.27E-06	1.44E-04	6.13E-05	5.38E-04	7.22E-04	1.56E-04	1.48E-03	5.83E-05	1.07E-09	9.63E-06	4.27E-06	7.22E-05
3380	493863.09	3848377.25	1.02E-04	1.41E-09	1.17E-05	3.57E-06	1.17E-04	4.80E-05	5.79E-04	8.74E-04	1.31E-04	1.63E-03	4.57E-05	1.15E-09	1.17E-05	3.57E-06	6.09E-05
3381	494363.09	3848377.25	9.76E-05	1.21E-09	8.81E-06	3.67E-06	1.10E-04	4.60E-05	4.97E-04	6.61E-04	1.35E-04	1.34E-03	4.38E-05	9.89E-10	8.81E-06	3.67E-06	5.63E-05
3382	494863.09	3848377.25	1.10E-04	1.38E-09	1.28E-05	4.22E-06	1.27E-04	5.17E-05	5.69E-04	9.60E-04	1.55E-04	1.74E-03	4.92E-05	1.13E-09	1.28E-05	4.22E-06	6.62E-05
3383	495363.09	3848377.25	1.06E-04	1.28E-09	1.44E-05	4.25E-06	1.25E-04	5.00E-05	5.29E-04	1.08E-03	1.56E-04	1.82E-03	4.75E-05	1.05E-09	1.44E-05	4.25E-06	6.62E-05
3384	495863.09	3848377.25	1.10E-04	1.09E-09	1.25E-05	4.11E-06	1.27E-04	5.20E-05	4.49E-04	9.40E-04	1.51E-04	1.59E-03	4.94E-05	8.93E-10	1.25E-05	4.11E-06	6.61E-05
3385	496363.09	3848377.25	1.15E-04	1.38E-09	1.76E-05	4.08E-06	1.36E-04	5.40E-05	5.70E-04	1.32E-03	1.50E-04	2.10E-03	5.14E-05	1.14E-09	1.76E-05	4.08E-06	7.31E-05
3386	496863.09	3848377.25	1.10E-04	1.44E-09	2.09E-05	4.07E-06	1.35E-04	5.19E-05	5.93E-04	1.57E-03	1.49E-04	2.36E-03	4.94E-05	1.18E-09	2.09E-05	4.07E-06	7.43E-05
3387	497363.09	3848377.25	1.29E-04	1.32E-09	1.78E-05	4.27E-06	1.51E-04	6.08E-05	5.44E-04	1.33E-03	1.56E-04	2.10E-03	5.78E-05	1.08E-09	1.78E-05	4.27E-06	7.99E-05
3388	497863.09	3848377.25	1.96E-04	1.64E-09	2.31E-05	5.07E-06	2.24E-04	9.24E-05	6.75E-04	1.73E-03	1.86E-04	2.69E-03	8.79E-05	1.35E-09	2.31E-05	5.07E-06	1.16E-04
3389	498363.09	3848377.25	2.16E-04	1.68E-09	2.10E-05	4.74E-06	2.42E-04	1.02E-04	6.93E-04	1.58E-03	1.74E-04	2.55E-03	9.68E-05	1.38E-09	2.10E-05	4.74E-06	1.23E-04
3390	471363.09	3848877.25	8.86E-04	1.18E-08	6.24E-06	6.19E-06	8.98E-04	4.18E-04	4.87E-03	4.68E-04	2.27E-04	5.98E-03	3.97E-04	9.70E-09	6.24E-06	6.19E-06	4.10E-04
3391	471863.09	3848877.25	1.05E-03	1.46E-08	6.77E-06	5.55E-06	1.06E-03	4.95E-04	6.02E-03	5.08E-04	2.03E-04	7.23E-03	4.70E-04	1.20E-08	6.77E-06	5.55E-06	4.83E-04
3392	472363.09	3848877.25	1.22E-03	1.34E-08	6.57E-06	5.27E-06	1.23E-03	5.76E-04	5.51E-03	4.93E-04	1.93E-04	6.77E-03	5.47E-04	1.10E-08	6.57E-06	5.27E-06	5.59E-04
3393	472863.09	3848877.25	1.48E-03	1.35E-08	8.80E-06	5.38E-06	1.49E-03	6.98E-04	5.56E-03	6.60E-04	1.97E-04	7.11E-03	6.63E-04	1.11E-08	8.80E-06	5.38E-06	6.78E-04
3394	473363.09	3848877.25	1.38E-03	1.48E-08	1.19E-05	5.93E-06	1.39E-03	6.49E-04	6.09E-03	8.93E-04	2.18E-04	7.85E-03	6.17E-04	1.21E-08	1.19E-05	5.93E-06	6.35E-04
3395	473863.09	3848877.25	1.47E-03	1.34E-08	1.09E-05	6.52E-06	1.49E-03	6.94E-04	5.53E-03	8.20E-04	2.39E-04	7.28E-03	6.60E-04	1.10E-08	1.09E-05	6.52E-06	6.78E-04
3396	474363.09	3848877.25	1.63E-03	1.54E-08	8.99E-06	5.38E-06	1.64E-03	7.68E-04	6.34E-03	6.74E-04	1.97E-04	7.98E-03	7.31E-04	1.26E-08	8.99E-06	5.38E-06	7.45E-04
3397	474863.09	3848877.25	1.50E-03	1.36E-08	8.22E-06	6.05E-06	1.52E-03	7.09E-04	5.59E-03	6.17E-04	2.22E-04	7.14E-03	6.75E-04	1.11E-08	8.22E-06	6.05E-06	6.89E-04
3398	475363.09	3848877.25	1.42E-03	1.37E-08	5.82E-06	6.83E-06	1.44E-03	6.71E-04	5.62E-03	4.37E-04	2.50E-04	6.98E-03	6.38E-04	1.12E-08	5.82E-06	6.83E-06	6.51E-04
3399	475863.09	3848877.25	1.49E-03	1.40E-08	7.13E-06	6.84E-06	1.51E-03	7.05E-04	5.75E-03	5.35E-04	2.51E-04	7.24E-03	6.70E-04	1.15E-08	7.13E-06	6.84E-06	6.84E-04
3400	476363.09	3848877.25	1.64E-03	1.25E-08	8.86E-06	6.67E-06	1.66E-03	7.75E-04	5.14E-03	6.65E-04	2.45E-04	6.83E-03	7.37E-04	1.02E-08	8.86E-06	6.67E-06	7.53E-04
3401	476863.09	3848877.25	1.42E-03	1.11E-08	1.01E-05	5.42E-06	1.44E-03	6.72E-04	4.59E-03	7.57E-04	1.99E-04	6.22E-03	6.39E-04	9.15E-09	1.01E-05	5.42E-06	6.54E-04
3402	477363.09	3848877.25	2.04E-03	1.40E-08	1.16E-05	6.68E-06	2.06E-03	9.61E-04	5.78E-03	8.69E-04	2.45E-04	7.86E-03	9.14E-04	1.15E-08	1.16E-05	6.68E-06	9.32E-04
3403	477863.09	3848877.25	2.08E-03	1.16E-08	9.30E-06	6.70E-06	2.10E-03	9.82E-04	4.79E-03	6.97E-04	2.46E-04	6.72E-03	9.34E-04	9.55E-09	9.30E-06	6.70E-06	9.50E-04
3404	478363.09	3848877.25	2.78E-03	1.15E-08	6.35E-06	6.67E-06	2.79E-03	1.31E-03	4.72E-03	4.77E-04	2.45E-04	6.75E-03	1.25E-03	9.40E-09	6.35E-06	6.67E-06	1.26E-03
3405	478863.09	3848877.25	2.46E-03	7.96E-09	1.09E-05	7.95E-06	2.47E-03	1.16E-03	3.28E-03	8.16E-04	2.91E-04	5.54E-03	1.10E-03	6.53E-09	1.09E-05	7.95E-06	1.12E-03
3406	479363.09	3848877.25	2.17E-03	5.79E-09	1.51E-05	7.19E-06	2.19E-03	1.02E-03	2.38E-03	1.13E-03	2.64E-04	4.80E-03	9.74E-04	4.75E-09	1.51E-05	7.19E-06	9.96E-04
3407	479863.09	3848877.25	1.19E-03	5.82E-09	1.46E-05	6.74E-06	1.21E-03	5.63E-04	2.40E-03	1.09E-03	2.47E-04	4.30E-03	5.35E-04	4.78E-09	1.46E-05	6.74E-06	5.56E-04
3408	480363.09	3848877.25	1.32E-03	5.64E-09	1.22E-05	7.76E-06	1.34E-03	6.24E-04	2.33E-03	9.15E-04	2.84E-04	4.15E-03	5.94E-04	4.63E-09	1.22E-05	7.76E-06	6.14E-04
3409	480863.09	3848877.25	1.15E-03	4.80E-09	1.49E-05	7.75E-06	1.18E-03	5.44E-04	1.98E-03	1.11E-03	2.84E-04	3.92E-03	5.17E-04	3.94E-09	1.49E-05	7.75E-06	5.40E-04
3410	481363.09	3848877.25	7.89E-04	3.70E-09	1.71E-05	8.38E-06	8.15E-04	3.72E-04	1.52E-03	1.28E-03	3.07E-04	3.48E-03	3.54E-04	3.04E-09	1.71E-05	8.38E-06	3.80E-04
3411	481863.09	3848877.25	5.96E-04	3.29E-09	1.20E-05	6.78E-06	6.14E-04	2.81E-04	1.36E-03	9.00E-04	2.49E-04	2.79E-03	2.67E-04	2.70E-09	1.20E-05	6.78E-06	2.86E-04
3412	482363.09	3848877.25	4.66E-04	3.02E-09	9.15E-06	6.44E-06	4.81E-04	2.20E-04	1.24E-03	6.87E-04	2.36E-04	2.39E-03	2.09E-04	2.48E-09	9.15E-06	6.44E-06	2.24E-04

3413	482863.09	3848877.25	3.94E-04	3.14E-09	1.21E-05	6.07E-06	4.12E-04	1.86E-04	1.29E-03	9.05E-04	2.22E-04	2.61E-03	1.77E-04	2.57E-09	1.21E-05	6.07E-06	1.95E-04
3414	483363.09	3848877.25	3.71E-04	3.17E-09	1.97E-05	5.63E-06	3.97E-04	1.75E-04	1.31E-03	1.47E-03	2.06E-04	3.16E-03	1.67E-04	2.60E-09	1.97E-05	5.63E-06	1.92E-04
3415	483863.09	3848877.25	3.41E-04	3.02E-09	1.53E-05	6.11E-06	3.62E-04	1.61E-04	1.24E-03	1.15E-03	2.24E-04	2.78E-03	1.53E-04	2.48E-09	1.53E-05	6.11E-06	1.74E-04
3416	484363.09	3848877.25	2.89E-04	2.89E-09	1.81E-05	8.01E-06	3.15E-04	1.36E-04	1.19E-03	1.36E-03	2.94E-04	2.98E-03	1.30E-04	2.37E-09	1.81E-05	8.01E-06	1.56E-04
3417	484863.09	3848877.25	3.49E-04	3.17E-09	2.33E-05	8.38E-06	3.80E-04	1.64E-04	1.31E-03	1.75E-03	3.07E-04	3.53E-03	1.56E-04	2.60E-09	2.33E-05	8.38E-06	1.88E-04
3418	485363.09	3848877.25	3.98E-04	2.51E-09	3.91E-05	7.44E-06	4.45E-04	1.88E-04	1.03E-03	2.93E-03	2.73E-04	4.43E-03	1.79E-04	2.06E-09	3.91E-05	7.44E-06	2.25E-04
3419	485863.09	3848877.25	3.45E-04	2.24E-09	3.43E-05	6.83E-06	3.86E-04	1.63E-04	9.23E-04	2.57E-03	2.50E-04	3.91E-03	1.55E-04	1.84E-09	3.43E-05	6.83E-06	1.96E-04
3420	486363.09	3848877.25	2.95E-04	2.25E-09	2.36E-05	5.80E-06	3.24E-04	1.39E-04	9.26E-04	1.77E-03	2.13E-04	3.04E-03	1.32E-04	1.84E-09	2.36E-05	5.80E-06	1.62E-04
3421	486863.09	3848877.25	2.66E-04	2.47E-09	1.35E-05	5.52E-06	2.85E-04	1.25E-04	1.02E-03	1.01E-03	2.02E-04	2.35E-03	1.19E-04	2.02E-09	1.35E-05	5.52E-06	1.38E-04
3422	487363.09	3848877.25	2.58E-04	2.34E-09	1.11E-05	5.48E-06	2.74E-04	1.22E-04	9.64E-04	8.35E-04	2.01E-04	2.12E-03	1.16E-04	1.92E-09	1.11E-05	5.48E-06	1.32E-04
3423	487863.09	3848877.25	2.38E-04	2.49E-09	7.92E-06	5.77E-06	2.52E-04	1.12E-04	1.02E-03	5.94E-04	2.12E-04	1.94E-03	1.07E-04	2.04E-09	7.92E-06	5.77E-06	1.21E-04
3424	488363.09	3848877.25	2.17E-04	2.40E-09	6.40E-06	5.71E-06	2.30E-04	1.03E-04	9.89E-04	4.80E-04	2.09E-04	1.78E-03	9.75E-05	1.97E-09	6.40E-06	5.71E-06	1.10E-04
3425	488863.09	3848877.25	2.14E-04	2.26E-09	1.63E-05	5.06E-06	2.35E-04	1.01E-04	9.33E-04	1.22E-03	1.86E-04	2.44E-03	9.60E-05	1.86E-09	1.63E-05	5.06E-06	1.17E-04
3426	489363.09	3848877.25	1.99E-04	1.99E-09	2.77E-05	5.51E-06	2.32E-04	9.39E-05	8.20E-04	2.08E-03	2.02E-04	3.20E-03	8.93E-05	1.63E-09	2.77E-05	5.51E-06	1.23E-04
3427	489863.09	3848877.25	1.84E-04	1.93E-09	2.40E-05	6.39E-06	2.14E-04	8.67E-05	7.94E-04	1.80E-03	2.34E-04	2.91E-03	8.25E-05	1.58E-09	2.40E-05	6.39E-06	1.13E-04
3428	490363.09	3848877.25	1.86E-04	1.68E-09	1.70E-05	5.42E-06	2.08E-04	8.77E-05	6.91E-04	1.28E-03	1.99E-04	2.25E-03	8.34E-05	1.38E-09	1.70E-05	5.42E-06	1.06E-04
3429	490863.09	3848877.25	1.90E-04	1.72E-09	1.20E-05	5.23E-06	2.08E-04	8.97E-05	7.07E-04	9.02E-04	1.92E-04	1.89E-03	8.53E-05	1.41E-09	1.20E-05	5.23E-06	1.03E-04
3430	491363.09	3848877.25	1.75E-04	1.77E-09	1.27E-05	5.27E-06	1.93E-04	8.26E-05	7.29E-04	9.54E-04	1.93E-04	1.96E-03	7.85E-05	1.45E-09	1.27E-05	5.27E-06	9.65E-05
3431	491863.09	3848877.25	1.59E-04	1.49E-09	1.77E-05	5.32E-06	1.82E-04	7.51E-05	6.13E-04	1.32E-03	1.95E-04	2.21E-03	7.15E-05	1.22E-09	1.77E-05	5.32E-06	9.44E-05
3432	492363.09	3848877.25	1.51E-04	1.51E-09	1.31E-05	5.09E-06	1.70E-04	7.14E-05	6.21E-04	9.85E-04	1.87E-04	1.86E-03	6.79E-05	1.24E-09	1.31E-05	5.09E-06	8.61E-05
3433	492863.09	3848877.25	1.39E-04	1.32E-09	1.07E-05	4.59E-06	1.55E-04	6.58E-05	5.43E-04	8.00E-04	1.68E-04	1.58E-03	6.26E-05	1.08E-09	1.07E-05	4.59E-06	7.78E-05
3434	493363.09	3848877.25	9.68E-05	1.40E-09	8.99E-06	3.69E-06	1.09E-04	4.57E-05	5.76E-04	6.74E-04	1.35E-04	1.43E-03	4.34E-05	1.15E-09	8.99E-06	3.69E-06	5.61E-05
3435	493863.09	3848877.25	1.08E-04	1.23E-09	9.75E-06	3.65E-06	1.22E-04	5.10E-05	5.05E-04	7.31E-04	1.34E-04	1.42E-03	4.85E-05	1.01E-09	9.75E-06	3.65E-06	6.19E-05
3436	494363.09	3848877.25	1.10E-04	1.37E-09	1.22E-05	4.24E-06	1.27E-04	5.21E-05	5.64E-04	9.14E-04	1.56E-04	1.68E-03	4.95E-05	1.12E-09	1.22E-05	4.24E-06	6.59E-05
3437	494863.09	3848877.25	1.15E-04	1.66E-09	1.41E-05	4.55E-06	1.33E-04	5.41E-05	6.83E-04	1.06E-03	1.67E-04	1.96E-03	5.14E-05	1.36E-09	1.41E-05	4.55E-06	7.00E-05
3438	495363.09	3848877.25	1.21E-04	1.18E-09	1.24E-05	4.53E-06	1.38E-04	5.71E-05	4.87E-04	9.31E-04	1.66E-04	1.64E-03	5.43E-05	9.71E-10	1.24E-05	4.53E-06	7.13E-05
3439	495863.09	3848877.25	1.13E-04	1.17E-09	1.62E-05	4.01E-06	1.33E-04	5.31E-05	4.82E-04	1.21E-03	1.47E-04	1.90E-03	5.05E-05	9.59E-10	1.62E-05	4.01E-06	7.07E-05
3440	496363.09	3848877.25	1.18E-04	1.37E-09	1.80E-05	4.05E-06	1.40E-04	5.56E-05	5.63E-04	1.35E-03	1.48E-04	2.12E-03	5.28E-05	1.12E-09	1.80E-05	4.05E-06	7.49E-05
3441	496863.09	3848877.25	1.53E-04	1.53E-09	1.77E-05	4.30E-06	1.75E-04	7.20E-05	6.29E-04	1.33E-03	1.58E-04	2.19E-03	6.84E-05	1.25E-09	1.77E-05	4.30E-06	9.04E-05
3442	497363.09	3848877.25	1.96E-04	1.56E-09	2.45E-05	5.00E-06	2.26E-04	9.25E-05	6.42E-04	1.83E-03	1.83E-04	2.75E-03	8.80E-05	1.28E-09	2.45E-05	5.00E-06	1.17E-04
3443	497863.09	3848877.25	2.15E-04	1.72E-09	2.15E-05	4.91E-06	2.41E-04	1.01E-04	7.08E-04	1.61E-03	1.80E-04	2.60E-03	9.64E-05	1.41E-09	2.15E-05	4.91E-06	1.23E-04
3444	498363.09	3848877.25	2.39E-04	1.76E-09	2.02E-05	4.84E-06	2.64E-04	1.13E-04	7.24E-04	1.51E-03	1.77E-04	2.53E-03	1.07E-04	1.44E-09	2.02E-05	4.84E-06	1.32E-04
3445	471363.09	3849377.25	1.17E-03	1.11E-08	6.61E-06	5.79E-06	1.18E-03	5.50E-04	4.59E-03	4.96E-04	2.12E-04	5.85E-03	5.23E-04	9.14E-09	6.61E-06	5.79E-06	5.36E-04
3446	471863.09	3849377.25	1.12E-03	1.35E-08	6.79E-06	6.96E-06	1.14E-03	5.30E-04	5.56E-03	5.09E-04	2.55E-04	6.85E-03	5.04E-04	1.11E-08	6.79E-06	6.96E-06	5.18E-04
3447	472363.09	3849377.25	9.94E-04	1.53E-08	7.23E-06	6.34E-06	1.01E-03	4.69E-04	6.30E-03	5.42E-04	2.33E-04	7.55E-03	4.46E-04	1.26E-08	7.23E-06	6.34E-06	4.59E-04
3448	472863.09	3849377.25	1.14E-03	1.59E-08	7.07E-06	5.61E-06	1.15E-03	5.37E-04	6.56E-03	5.31E-04	2.06E-04	7.83E-03	5.11E-04	1.31E-08	7.07E-06	5.61E-06	5.23E-04
3449	473363.09	3849377.25	1.37E-03	1.50E-08	7.90E-06	5.51E-06	1.38E-03	6.45E-04	6.18E-03	5.92E-04	2.02E-04	7.62E-03	6.13E-04	1.23E-08	7.90E-06	5.51E-06	6.27E-04
3450	473863.09	3849377.25	1.69E-03	1.54E-08	1.08E-05	6.07E-06	1.71E-03	7.99E-04	6.36E-03	8.07E-04	2.23E-04	8.19E-03	7.59E-04	1.27E-08	1.08E-05	6.07E-06	7.76E-04
3451	474363.09	3849377.25	1.57E-03	1.56E-08	1.29E-05	6.70E-06	1.59E-03	7.43E-04	6.42E-03	9.64E-04	2.46E-04	8.37E-03	7.06E-04	1.28E-08	1.29E-05	6.70E-06	7.26E-04
3452	474863.09	3849377.25	1.52E-03	1.72E-08	1.07E-05	6.38E-06	1.54E-03	7.18E-04	7.10E-03	8.06E-04	2.34E-04	8.86E-03	6.83E-04	1.41E-08	1.07E-05	6.38E-06	7.00E-04
3453	475363.09	3849377.25	1.97E-03	1.69E-08	8.63E-06	5.97E-06	1.98E-03	9.27E-04	6.97E-03	6.47E-04	2.19E-04	8.76E-03	8.81E-04	1.39E-08	8.63E-06	5.97E-06	8.96E-04
3454	475863.09	3849377.25	1.65E-03	1.84E-08	6.68E-06	7.27E-06	1.67E-03	7.80E-04	7.56E-03	5.01E-04	2.67E-04	9.11E-03	7.42E-04	1.51E-08	6.68E-06	7.27E-06	7.56E-04
3455	476363.09	3849377.25	1.80E-03	1.90E-08	7.12E-06	7.39E-06	1.82E-03	8.49E-04	7.85E-03	5.34E-04	2.71E-04	9.50E-03	8.08E-04	1.56E-08	7.12E-06	7.39E-06	8.22E-04
3456	476863.09	3849377.25	1.60E-03	1.93E-08	9.03E-06	7.00E-06	1.62E-03	7.55E-04	7.95E-03	6.77E-04	2.57E-04	9.64E-03	7.18E-04	1.58E-08	9.03E-06	7.00E-06	7.34E-04
3457	477363.09	3849377.25	1.84E-03	1.79E-08	1.03E-05	5.71E-06	1.86E-03	8.68E-04	7.39E-03	7.70E-04	2.09E-04	9.24E-03	8.25E-04	1.47E-08	1.03E-05	5.71E-06	8.41E-04
3458	477863.09	3849377.25	1.96E-03	1.36E-08	1.19E-05	7.02E-06	1.98E-03	9.24E-04	5.60E-03	8.95E-04	2.57E-04	7.68E-03	8.78E-04	1.12E-08	1.19E-05	7.02E-06	8.97E-04
3459	478363.09	3849377.25	2.58E-03	1.37E-08	1.04E-05	6.89E-06	2.60E-03	1.22E-03	5.64E-03	7.82E-04	2.53E-04	7.89E-03	1.16E-03	1.12E-08	1.04E-05	6.89E-06	1.17E-03
3460	478863.09	3849377.25	2.95E-03	1.10E-08	6.99E-06	7.05E-06	2.97E-03	1.39E-03	4.52E-03	5.24E-04	2.59E-04	6.70E-03	1.32E-03	9.01E-09	6.99E-06	7.05E-06	1.34E-03
3461	479363.09	3849377.25	2.61E-03	7.67E-09	1.16E-05	7.89E-06	2.63E-03	1.23E-03	3.16E-03	8.71E-04	2.89E-04	5.55E-03	1.17E-03	6.29E-09	1.16E-05	7.89E-06	1.19E-03
3462	479863.09	3849377.25	2.34E-03	6.56E-09	1.58E-05	6.99E-06	2.36E-03	1.10E-03	2.70E-03	1.18E-03	2.56E-04	5.25E-03	1.05E-03	5.38E-09	1.58E-05	6.99E-06	1.07E-03
3463	480363.09	3849377.25	1.78E-03	8.13E-09	1.51E-05	8.04E-06	1.80E-03	8.39E-04	3.35E-03	1.14E-03	2.95E-04	5.62E-03	7.98E-04	6.67E-09	1.51E-05	8.04E-06	8.21E-04
3464	480863.09	3849377.25	1.96E-03	7.06E-09	1.25E-05	8.16E-06	1.98E-03	9.24E-04	2.91E-03	9.37E-04	2.99E-04	5.07E-03	8.79E-04	5.79E-09	1.25E-05	8.16E-06	8.99E-04
3465	481363.09	3849377.25	1.10E-03	4.66E-09	1.66E-05	7.85E-06	1.12E-03	5.17E-04	1.92E-03	1.24E-03	2.88E-04	3.97E-03	4.91E-04	3.83E-09	1.66E-05	7.85E-06	5.16E-04
3466	481863.09	3849377.25	6.26E-04	3.12E-09	1.57E-05	7.19E-06	6.49E-04	2.95E-04	1.28E-03	1.17E-03	2.64E-04	3.02E-03	2.81E-04	2.56E-09	1.57E-05	7.19E-06	3.03E-04
3467	482363.09	3849377.25	4.87E-04	2.96E-09	9.35E-06	6.79E-06	5.03E-04	2.30E-04	1.22E-03	7.02E-04	2.49E-04	2.40E-03	2.18E-04	2.43E-09	9.35E-06	6.79E-06	2.34E-04
3468	482863.09	3849377.25	3.92E-04	2.96E-09	1.13E-05	6.21E-06	4.10E-04	1.85E-04	1.22E-03	8.48E-04	2.28E-04	2.48E-03	1.76E-04	2.43E-09	1.13E-05	6.21E-06	1.93E-04
3469	483363.09	3849377.25	3.86E-04	3.49E-09	1.64E-05	5.71E-06	4.08E-04	1.82E-04	1.44E-03	1.23E-03	2.10E-04	3.06E-03	1.73E-04	2.87E-09	1.64E-05	5.71E-06	1.95E-04
3470	483863.09	3849377.25	2.93E-04	3.03E-09	1.85E-05	6.01E-06	3.18E-04	1.38E-04	1.25E-03	1.39E-03	2.20E-04	3.00E-03	1.31E-04	2.49E-09	1.85E-05	6.01E-06	1.56E-04
3471	484363.09	3849377.25	3.47E-04	3.23E-09	1.55E-05	7.87E-06	3.71E-04	1.64E-04	1.33E-03	1.16E-03	2.88E-04	2.95E-03	1.56E-04	2.65E-09	1.55E-05	7.87E-06	1.79E-04
3472	484863.09	3849377.25	4.36E-04	3.30E-09	2.70E-05	8.56E-06	4.72E-04	2.06E-04	1.36E-03	2.02E-03	3.14E-04	3.91E-03	1.96E-04	2.71E-09	2.70E-05	8.56E-06	2.31E-04
3473	485363.09	3849377.25	4.23E-04	2.89E-09	3.29E-05	8.27E-06	4.64E-04	2.00E-04	1.19E-03	2.47E-03	3.03E-04	4.16E-03	1.90E-04	2.37E-09	3.29E-05	8.27E-06	2.31E-04

3474	485863.09	3849377.25	3.67E-04	2.23E-09	3.48E-05	6.78E-06	4.09E-04	1.73E-04	9.18E-04	2.61E-03	2.49E-04	3.95E-03	1.65E-04	1.83E-09	3.48E-05	6.78E-06	2.06E-04
3475	486363.09	3849377.25	2.72E-04	2.25E-09	2.09E-05	5.48E-06	2.98E-04	1.28E-04	9.27E-04	1.57E-03	2.01E-04	2.82E-03	1.22E-04	1.85E-09	2.09E-05	5.48E-06	1.48E-04
3476	486863.09	3849377.25	2.98E-04	2.61E-09	1.60E-05	5.70E-06	3.19E-04	1.40E-04	1.07E-03	1.20E-03	2.09E-04	2.62E-03	1.34E-04	2.14E-09	1.60E-05	5.70E-06	1.55E-04
3477	487363.09	3849377.25	2.87E-04	2.30E-09	1.07E-05	5.52E-06	3.03E-04	1.35E-04	9.47E-04	8.05E-04	2.02E-04	2.09E-03	1.29E-04	1.89E-09	1.07E-05	5.52E-06	1.45E-04
3478	487863.09	3849377.25	2.56E-04	2.84E-09	8.29E-06	5.99E-06	2.70E-04	1.21E-04	1.17E-03	6.22E-04	2.20E-04	2.13E-03	1.15E-04	2.33E-09	8.29E-06	5.99E-06	1.29E-04
3479	488363.09	3849377.25	2.23E-04	2.53E-09	6.77E-06	5.67E-06	2.35E-04	1.05E-04	1.04E-03	5.07E-04	2.08E-04	1.86E-03	9.99E-05	2.07E-09	6.77E-06	5.67E-06	1.12E-04
3480	488863.09	3849377.25	2.29E-04	2.31E-09	1.90E-05	5.92E-06	2.54E-04	1.08E-04	9.54E-04	1.43E-03	2.17E-04	2.71E-03	1.03E-04	1.90E-09	1.90E-05	5.92E-06	1.28E-04
3481	489363.09	3849377.25	2.36E-04	2.19E-09	2.79E-05	7.15E-06	2.71E-04	1.11E-04	9.03E-04	2.10E-03	2.62E-04	3.37E-03	1.06E-04	1.80E-09	2.79E-05	7.15E-06	1.41E-04
3482	489863.09	3849377.25	1.86E-04	1.96E-09	2.91E-05	6.82E-06	2.22E-04	8.75E-05	8.08E-04	2.19E-03	2.50E-04	3.33E-03	8.32E-05	1.61E-09	2.91E-05	6.82E-06	1.19E-04
3483	490363.09	3849377.25	2.17E-04	1.80E-09	1.68E-05	5.44E-06	2.39E-04	1.02E-04	7.43E-04	1.26E-03	1.99E-04	2.31E-03	9.74E-05	1.48E-09	1.68E-05	5.44E-06	1.20E-04
3484	490863.09	3849377.25	2.08E-04	1.77E-09	1.60E-05	5.55E-06	2.30E-04	9.82E-05	7.28E-04	1.20E-03	2.03E-04	2.23E-03	9.33E-05	1.45E-09	1.60E-05	5.55E-06	1.15E-04
3485	491363.09	3849377.25	1.87E-04	1.88E-09	1.38E-05	5.78E-06	2.07E-04	8.82E-05	7.75E-04	1.04E-03	2.12E-04	2.11E-03	8.39E-05	1.54E-09	1.38E-05	5.78E-06	1.03E-04
3486	491863.09	3849377.25	1.52E-04	1.65E-09	1.44E-05	5.35E-06	1.72E-04	7.18E-05	6.80E-04	1.08E-03	1.96E-04	2.03E-03	6.83E-05	1.35E-09	1.44E-05	5.35E-06	8.80E-05
3487	492363.09	3849377.25	1.68E-04	1.53E-09	1.31E-05	5.05E-06	1.86E-04	7.94E-05	6.28E-04	9.80E-04	1.85E-04	1.87E-03	7.55E-05	1.25E-09	1.31E-05	5.05E-06	9.36E-05
3488	492863.09	3849377.25	1.10E-04	1.36E-09	1.02E-05	4.40E-06	1.25E-04	5.19E-05	5.61E-04	7.68E-04	1.61E-04	1.54E-03	4.94E-05	1.12E-09	1.02E-05	4.40E-06	6.40E-05
3489	493363.09	3849377.25	1.29E-04	1.41E-09	1.07E-05	3.88E-06	1.44E-04	6.10E-05	5.82E-04	8.03E-04	1.42E-04	1.59E-03	5.80E-05	1.16E-09	1.07E-05	3.88E-06	7.26E-05
3490	493863.09	3849377.25	1.19E-04	1.54E-09	1.11E-05	4.27E-06	1.34E-04	5.59E-05	6.36E-04	8.33E-04	1.57E-04	1.68E-03	5.32E-05	1.27E-09	1.11E-05	4.27E-06	6.85E-05
3491	494363.09	3849377.25	1.25E-04	1.84E-09	1.44E-05	4.50E-06	1.44E-04	5.90E-05	7.59E-04	1.08E-03	1.65E-04	2.06E-03	5.61E-05	1.51E-09	1.44E-05	4.50E-06	7.50E-05
3492	494863.09	3849377.25	1.62E-04	1.42E-09	1.37E-05	5.21E-06	1.81E-04	7.63E-05	5.85E-04	1.03E-03	1.91E-04	1.88E-03	7.25E-05	1.16E-09	1.37E-05	5.21E-06	9.14E-05
3493	495363.09	3849377.25	1.68E-04	1.55E-09	2.05E-05	4.77E-06	1.93E-04	7.92E-05	6.39E-04	1.53E-03	1.75E-04	2.43E-03	7.53E-05	1.27E-09	2.05E-05	4.77E-06	1.01E-04
3494	495863.09	3849377.25	1.45E-04	1.70E-09	1.92E-05	4.09E-06	1.68E-04	6.82E-05	6.99E-04	1.44E-03	1.50E-04	2.36E-03	6.49E-05	1.39E-09	1.92E-05	4.09E-06	8.82E-05
3495	496363.09	3849377.25	1.56E-04	1.47E-09	1.64E-05	4.33E-06	1.77E-04	7.36E-05	6.05E-04	1.23E-03	1.59E-04	2.07E-03	7.00E-05	1.21E-09	1.64E-05	4.33E-06	9.07E-05
3496	496863.09	3849377.25	2.09E-04	1.61E-09	1.85E-05	5.15E-06	2.33E-04	9.88E-05	6.63E-04	1.39E-03	1.89E-04	2.34E-03	9.40E-05	1.32E-09	1.85E-05	5.15E-06	1.18E-04
3497	497363.09	3849377.25	1.99E-04	1.64E-09	2.09E-05	5.01E-06	2.25E-04	9.39E-05	6.78E-04	1.56E-03	1.84E-04	2.52E-03	8.93E-05	1.35E-09	2.09E-05	5.01E-06	1.15E-04
3498	497863.09	3849377.25	2.84E-04	1.97E-09	2.06E-05	5.06E-06	3.10E-04	1.34E-04	8.14E-04	1.55E-03	1.86E-04	2.68E-03	1.27E-04	1.62E-09	2.06E-05	5.06E-06	1.53E-04
3499	498363.09	3849377.25	2.88E-04	2.01E-09	1.72E-05	5.23E-06	3.10E-04	1.36E-04	8.27E-04	1.29E-03	1.92E-04	2.45E-03	1.29E-04	1.65E-09	1.72E-05	5.23E-06	1.52E-04
3500	471363.09	3849877.25	9.51E-04	8.39E-09	6.37E-06	6.13E-06	9.64E-04	4.49E-04	3.46E-03	4.78E-04	2.25E-04	4.61E-03	4.27E-04	6.89E-09	6.37E-06	6.13E-06	4.39E-04
3501	471863.09	3849877.25	1.22E-03	1.10E-08	4.87E-06	5.15E-06	1.23E-03	5.77E-04	4.54E-03	3.65E-04	1.89E-04	5.67E-03	5.48E-04	9.05E-09	4.87E-06	5.15E-06	5.58E-04
3502	472363.09	3849877.25	1.25E-03	1.39E-08	7.47E-06	6.57E-06	1.26E-03	5.88E-04	5.74E-03	5.60E-04	2.41E-04	7.13E-03	5.59E-04	1.14E-08	7.47E-06	6.57E-06	5.73E-04
3503	472863.09	3849877.25	1.24E-03	1.43E-08	7.61E-06	7.18E-06	1.25E-03	5.83E-04	5.89E-03	5.70E-04	2.63E-04	7.31E-03	5.54E-04	1.17E-08	7.61E-06	7.18E-06	5.69E-04
3504	473363.09	3849877.25	1.11E-03	1.83E-08	7.58E-06	6.48E-06	1.13E-03	5.24E-04	7.52E-03	5.69E-04	2.38E-04	8.85E-03	4.98E-04	1.50E-08	7.58E-06	6.48E-06	5.12E-04
3505	473863.09	3849877.25	1.30E-03	1.69E-08	7.40E-06	5.77E-06	1.31E-03	6.11E-04	6.95E-03	5.55E-04	2.12E-04	8.33E-03	5.81E-04	1.38E-08	7.40E-06	5.77E-06	5.94E-04
3506	474363.09	3849877.25	1.54E-03	1.65E-08	9.65E-06	6.22E-06	1.56E-03	7.27E-04	6.82E-03	7.24E-04	2.28E-04	8.50E-03	6.91E-04	1.36E-08	9.65E-06	6.22E-06	7.07E-04
3507	474863.09	3849877.25	1.81E-03	1.71E-08	1.33E-05	6.65E-06	1.83E-03	8.54E-04	7.03E-03	9.98E-04	2.44E-04	9.12E-03	8.12E-04	1.40E-08	1.33E-05	6.65E-06	8.32E-04
3508	475363.09	3849877.25	1.79E-03	1.73E-08	1.28E-05	7.53E-06	1.81E-03	8.43E-04	7.14E-03	9.59E-04	2.76E-04	9.22E-03	8.02E-04	1.42E-08	1.28E-05	7.53E-06	8.22E-04
3509	475863.09	3849877.25	1.93E-03	1.88E-08	1.04E-05	5.84E-06	1.95E-03	9.13E-04	7.74E-03	7.84E-04	2.14E-04	9.65E-03	8.68E-04	1.54E-08	1.04E-05	5.84E-06	8.84E-04
3510	476363.09	3849877.25	1.83E-03	1.87E-08	8.94E-06	7.36E-06	1.85E-03	8.65E-04	7.71E-03	6.71E-04	2.70E-04	9.52E-03	8.23E-04	1.54E-08	8.94E-06	7.36E-06	8.39E-04
3511	476863.09	3849877.25	1.80E-03	2.07E-08	7.11E-06	7.62E-06	1.82E-03	8.49E-04	8.53E-03	5.33E-04	2.79E-04	1.02E-02	8.07E-04	1.70E-08	7.11E-06	7.62E-06	8.22E-04
3512	477363.09	3849877.25	1.81E-03	2.48E-08	8.85E-06	7.30E-06	1.82E-03	8.53E-04	1.02E-02	6.64E-04	2.68E-04	1.20E-02	8.11E-04	2.04E-08	8.85E-06	7.30E-06	8.27E-04
3513	477863.09	3849877.25	2.00E-03	2.38E-08	1.04E-05	5.98E-06	2.02E-03	9.45E-04	9.80E-03	7.83E-04	2.19E-04	1.17E-02	8.99E-04	1.95E-08	1.04E-05	5.98E-06	9.15E-04
3514	478363.09	3849877.25	1.86E-03	1.70E-08	1.23E-05	7.60E-06	1.88E-03	8.78E-04	7.00E-03	9.20E-04	2.79E-04	9.08E-03	8.35E-04	1.39E-08	1.23E-05	7.60E-06	8.55E-04
3515	478863.09	3849877.25	2.59E-03	1.75E-08	1.14E-05	7.10E-06	2.61E-03	1.22E-03	7.20E-03	8.54E-04	2.60E-04	9.54E-03	1.16E-03	1.43E-08	1.14E-05	7.10E-06	1.18E-03
3516	479363.09	3849877.25	3.32E-03	1.27E-08	7.73E-06	7.44E-06	3.33E-03	1.56E-03	5.25E-03	5.80E-04	2.73E-04	7.67E-03	1.49E-03	1.05E-08	7.73E-06	7.44E-06	1.50E-03
3517	479863.09	3849877.25	3.13E-03	1.14E-08	1.25E-05	8.17E-06	3.15E-03	1.48E-03	4.69E-03	9.36E-04	3.00E-04	7.40E-03	1.40E-03	9.34E-09	1.25E-05	8.17E-06	1.42E-03
3518	480363.09	3849877.25	3.00E-03	8.58E-09	1.65E-05	7.60E-06	3.02E-03	1.41E-03	3.53E-03	1.24E-03	2.79E-04	6.46E-03	1.34E-03	7.04E-09	1.65E-05	7.60E-06	1.37E-03
3519	480863.09	3849877.25	1.66E-03	8.48E-09	1.58E-05	8.26E-06	1.68E-03	7.81E-04	3.49E-03	1.19E-03	3.03E-04	5.77E-03	7.43E-04	6.96E-09	1.58E-05	8.26E-06	7.67E-04
3520	481363.09	3849877.25	1.52E-03	6.36E-09	1.40E-05	8.28E-06	1.54E-03	7.16E-04	2.62E-03	1.05E-03	3.03E-04	4.69E-03	6.81E-04	5.22E-09	1.40E-05	8.28E-06	7.03E-04
3521	481863.09	3849877.25	6.67E-04	3.55E-09	1.85E-05	7.61E-06	6.93E-04	3.15E-04	1.46E-03	1.39E-03	2.79E-04	3.45E-03	2.99E-04	2.92E-09	1.85E-05	7.61E-06	3.25E-04
3522	482363.09	3849877.25	5.33E-04	3.06E-09	1.61E-05	6.95E-06	5.56E-04	2.51E-04	1.26E-03	1.21E-03	2.55E-04	2.97E-03	2.39E-04	2.51E-09	1.61E-05	6.95E-06	2.62E-04
3523	482863.09	3849877.25	3.99E-04	3.03E-09	9.35E-06	6.38E-06	4.15E-04	1.88E-04	1.25E-03	7.01E-04	2.34E-04	2.37E-03	1.79E-04	2.48E-09	9.35E-06	6.38E-06	1.95E-04
3524	483363.09	3849877.25	3.79E-04	3.29E-09	1.38E-05	6.01E-06	3.98E-04	1.79E-04	1.36E-03	1.03E-03	2.20E-04	2.79E-03	1.70E-04	2.70E-09	1.38E-05	6.01E-06	1.90E-04
3525	483863.09	3849877.25	3.84E-04	3.46E-09	2.17E-05	6.34E-06	4.12E-04	1.81E-04	1.42E-03	1.63E-03	2.32E-04	3.46E-03	1.72E-04	2.84E-09	2.17E-05	6.34E-06	2.00E-04
3526	484363.09	3849877.25	4.14E-04	3.58E-09	1.71E-05	8.23E-06	4.39E-04	1.95E-04	1.47E-03	1.28E-03	3.02E-04	3.25E-03	1.85E-04	2.94E-09	1.71E-05	8.23E-06	2.11E-04
3527	484863.09	3849877.25	5.40E-04	3.56E-09	2.48E-05	8.75E-06	5.74E-04	2.55E-04	1.47E-03	1.86E-03	3.21E-04	3.90E-03	2.42E-04	2.92E-09	2.48E-05	8.75E-06	2.76E-04
3528	485363.09	3849877.25	4.87E-04	3.16E-09	3.30E-05	8.37E-06	5.29E-04	2.30E-04	1.30E-03	2.48E-03	3.07E-04	4.32E-03	2.19E-04	2.60E-09	3.30E-05	8.37E-06	2.60E-04
3529	485863.09	3849877.25	4.14E-04	2.78E-09	3.27E-05	8.20E-06	4.55E-04	1.95E-04	1.15E-03	2.45E-03	3.01E-04	4.10E-03	1.86E-04	2.28E-09	3.27E-05	8.20E-06	2.27E-04
3530	486363.09	3849877.25	3.63E-04	2.71E-09	2.49E-05	6.14E-06	3.94E-04	1.71E-04	1.12E-03	1.87E-03	2.25E-04	3.38E-03	1.63E-04	2.22E-09	2.49E-05	6.14E-06	1.94E-04
3531	486863.09	3849877.25	3.51E-04	2.88E-09	1.97E-05	6.75E-06	3.77E-04	1.65E-04	1.18E-03	1.48E-03	2.47E-04	3.07E-03	1.57E-04	2.36E-09	1.97E-05	6.75E-06	1.84E-04
3532	487363.09	3849877.25	3.33E-04	3.19E-09	1.02E-05	5.57E-06	3.49E-04	1.57E-04	1.31E-03	7.65E-04	2.04E-04	2.44E-03	1.49E-04	2.62E-09	1.02E-05	5.57E-06	1.65E-04
3533	487863.09	3849877.25	2.73E-04	3.12E-09	8.70E-06	5.80E-06	2.87E-04	1.29E-04	1.29E-03	6.53E-04	2.13E-04	2.28E-03	1.22E-04	2.56E-09	8.70E-06	5.80E-06	1.37E-04
3534	488363.09	3849877.25	2.50E-04	2.60E-09	7.06E-06	5.84E-06	2.63E-04	1.18E-04	1.07E-03	5.29E-04	2.14E-04	1.93E-03	1.12E-04	2.13E-09	7.06E-06	5.84E-06	1.25E-04

3535	488863.09	3849877.25	3.13E-04	2.36E-09	2.24E-05	7.19E-06	3.43E-04	1.48E-04	9.71E-04	1.68E-03	2.64E-04	3.07E-03	1.41E-04	1.93E-09	2.24E-05	7.19E-06	1.70E-04
3536	489363.09	3849877.25	2.77E-04	2.34E-09	2.80E-05	7.97E-06	3.13E-04	1.30E-04	9.63E-04	2.10E-03	2.92E-04	3.49E-03	1.24E-04	1.92E-09	2.80E-05	7.97E-06	1.60E-04
3537	489863.09	3849877.25	2.52E-04	2.03E-09	2.76E-05	7.89E-06	2.88E-04	1.19E-04	8.34E-04	2.07E-03	2.89E-04	3.31E-03	1.13E-04	1.66E-09	2.76E-05	7.89E-06	1.49E-04
3538	490363.09	3849877.25	2.32E-04	1.84E-09	1.39E-05	6.23E-06	2.52E-04	1.09E-04	7.56E-04	1.04E-03	2.28E-04	2.13E-03	1.04E-04	1.51E-09	1.39E-05	6.23E-06	1.24E-04
3539	490863.09	3849877.25	2.63E-04	1.88E-09	1.49E-05	6.09E-06	2.84E-04	1.24E-04	7.73E-04	1.12E-03	2.23E-04	2.24E-03	1.18E-04	1.54E-09	1.49E-05	6.09E-06	1.39E-04
3540	491363.09	3849877.25	2.43E-04	1.93E-09	1.88E-05	5.60E-06	2.68E-04	1.15E-04	7.94E-04	1.41E-03	2.05E-04	2.52E-03	1.09E-04	1.58E-09	1.88E-05	5.60E-06	1.33E-04
3541	491863.09	3849877.25	1.78E-04	1.74E-09	1.50E-05	5.44E-06	1.98E-04	8.40E-05	7.19E-04	1.12E-03	1.99E-04	2.12E-03	7.99E-05	1.43E-09	1.50E-05	5.44E-06	1.00E-04
3542	492363.09	3849877.25	1.55E-04	1.56E-09	1.20E-05	4.96E-06	1.72E-04	7.29E-05	6.44E-04	9.00E-04	1.82E-04	1.80E-03	6.93E-05	1.28E-09	1.20E-05	4.96E-06	8.63E-05
3543	492863.09	3849877.25	1.52E-04	1.50E-09	1.31E-05	4.60E-06	1.70E-04	7.19E-05	6.16E-04	9.84E-04	1.69E-04	1.84E-03	6.83E-05	1.23E-09	1.31E-05	4.60E-06	8.61E-05
3544	493363.09	3849877.25	1.41E-04	1.78E-09	1.25E-05	4.26E-06	1.58E-04	6.64E-05	7.35E-04	9.34E-04	1.56E-04	1.89E-03	6.32E-05	1.46E-09	1.25E-05	4.26E-06	7.99E-05
3545	493863.09	3849877.25	1.31E-04	1.88E-09	1.53E-05	4.64E-06	1.51E-04	6.17E-05	7.75E-04	1.15E-03	1.70E-04	2.16E-03	5.87E-05	1.54E-09	1.53E-05	4.64E-06	7.86E-05
3546	494363.09	3849877.25	1.86E-04	1.63E-09	1.66E-05	5.44E-06	2.08E-04	8.75E-05	6.70E-04	1.24E-03	2.00E-04	2.20E-03	8.32E-05	1.33E-09	1.66E-05	5.44E-06	1.05E-04
3547	494863.09	3849877.25	1.92E-04	1.94E-09	2.22E-05	4.98E-06	2.19E-04	9.04E-05	7.99E-04	1.66E-03	1.82E-04	2.73E-03	8.60E-05	1.59E-09	2.22E-05	4.98E-06	1.13E-04
3548	495363.09	3849877.25	1.99E-04	1.81E-09	2.22E-05	4.76E-06	2.26E-04	9.37E-05	7.45E-04	1.66E-03	1.74E-04	2.68E-03	8.91E-05	1.48E-09	2.22E-05	4.76E-06	1.16E-04
3549	495863.09	3849877.25	2.37E-04	1.91E-09	2.39E-05	5.19E-06	2.66E-04	1.12E-04	7.88E-04	1.79E-03	1.90E-04	2.89E-03	1.06E-04	1.57E-09	2.39E-05	5.19E-06	1.36E-04
3550	496363.09	3849877.25	2.54E-04	1.89E-09	2.63E-05	5.24E-06	2.86E-04	1.20E-04	7.77E-04	1.98E-03	1.92E-04	3.06E-03	1.14E-04	1.55E-09	2.63E-05	5.24E-06	1.46E-04
3551	496863.09	3849877.25	2.49E-04	1.91E-09	2.29E-05	5.47E-06	2.77E-04	1.17E-04	7.88E-04	1.72E-03	2.00E-04	2.82E-03	1.12E-04	1.57E-09	2.29E-05	5.47E-06	1.40E-04
3552	497363.09	3849877.25	2.92E-04	2.01E-09	2.10E-05	5.46E-06	3.19E-04	1.38E-04	8.29E-04	1.58E-03	2.00E-04	2.75E-03	1.31E-04	1.65E-09	2.10E-05	5.46E-06	1.58E-04
3553	497863.09	3849877.25	3.20E-04	2.20E-09	1.68E-05	5.48E-06	3.42E-04	1.51E-04	9.05E-04	1.26E-03	2.01E-04	2.52E-03	1.43E-04	1.80E-09	1.68E-05	5.48E-06	1.66E-04
3554	498363.09	3849877.25	2.77E-04	2.09E-09	1.63E-05	5.39E-06	2.99E-04	1.31E-04	8.62E-04	1.22E-03	1.97E-04	2.41E-03	1.24E-04	1.72E-09	1.63E-05	5.39E-06	1.46E-04
3555	471363.09	3850377.25	5.93E-04	5.79E-09	8.19E-06	4.85E-06	6.06E-04	2.80E-04	2.39E-03	6.15E-04	1.78E-04	3.46E-03	2.66E-04	4.75E-09	8.19E-06	4.85E-06	2.79E-04
3556	471863.09	3850377.25	8.87E-04	7.45E-09	7.70E-06	5.19E-06	9.00E-04	4.18E-04	3.07E-03	5.77E-04	1.90E-04	4.25E-03	3.98E-04	6.11E-09	7.70E-06	5.19E-06	4.11E-04
3557	472363.09	3850377.25	1.08E-03	9.96E-09	7.13E-06	6.55E-06	1.10E-03	5.11E-04	4.10E-03	5.35E-04	2.40E-04	5.39E-03	4.86E-04	8.17E-09	7.13E-06	6.55E-06	5.00E-04
3558	472863.09	3850377.25	1.28E-03	1.34E-08	5.35E-06	5.69E-06	1.29E-03	6.04E-04	5.50E-03	4.01E-04	2.09E-04	6.72E-03	5.75E-04	1.10E-08	5.35E-06	5.69E-06	5.86E-04
3559	473363.09	3850377.25	1.39E-03	1.39E-08	8.11E-06	7.44E-06	1.41E-03	6.57E-04	5.73E-03	6.09E-04	2.73E-04	7.26E-03	6.25E-04	1.14E-08	8.11E-06	7.44E-06	6.41E-04
3560	473863.09	3850377.25	1.37E-03	1.61E-08	7.72E-06	7.78E-06	1.39E-03	6.48E-04	6.64E-03	5.79E-04	2.85E-04	8.15E-03	6.16E-04	1.32E-08	7.72E-06	7.78E-06	6.32E-04
3561	474363.09	3850377.25	1.24E-03	1.91E-08	7.97E-06	6.61E-06	1.25E-03	5.84E-04	7.85E-03	5.98E-04	2.42E-04	9.28E-03	5.56E-04	1.56E-08	7.97E-06	6.61E-06	5.70E-04
3562	474863.09	3850377.25	1.41E-03	1.79E-08	8.57E-06	6.08E-06	1.42E-03	6.63E-04	7.39E-03	6.43E-04	2.23E-04	8.92E-03	6.30E-04	1.47E-08	8.57E-06	6.08E-06	6.45E-04
3563	475363.09	3850377.25	1.75E-03	1.88E-08	1.19E-05	6.84E-06	1.77E-03	8.26E-04	7.75E-03	8.96E-04	2.51E-04	9.72E-03	7.85E-04	1.54E-08	1.19E-05	6.84E-06	8.04E-04
3564	475863.09	3850377.25	2.04E-03	1.73E-08	1.51E-05	7.84E-06	2.06E-03	9.63E-04	7.15E-03	1.14E-03	2.88E-04	9.53E-03	9.16E-04	1.42E-08	1.51E-05	7.84E-06	9.39E-04
3565	476363.09	3850377.25	1.90E-03	1.97E-08	1.26E-05	6.48E-06	1.92E-03	8.96E-04	8.11E-03	9.46E-04	2.38E-04	1.02E-02	8.52E-04	1.62E-08	1.26E-05	6.48E-06	8.71E-04
3566	476863.09	3850377.25	2.17E-03	2.01E-08	1.00E-05	7.40E-06	2.19E-03	1.02E-03	8.29E-03	7.53E-04	2.71E-04	1.03E-02	9.74E-04	1.65E-08	1.00E-05	7.40E-06	9.91E-04
3567	477363.09	3850377.25	1.90E-03	2.31E-08	7.64E-06	7.85E-06	1.91E-03	8.95E-04	9.53E-03	5.73E-04	2.88E-04	1.13E-02	8.51E-04	1.90E-08	7.64E-06	7.85E-06	8.67E-04
3568	477863.09	3850377.25	1.96E-03	2.65E-08	8.75E-06	7.64E-06	1.98E-03	9.25E-04	1.09E-02	6.56E-04	2.80E-04	1.28E-02	8.79E-04	2.17E-08	8.75E-06	7.64E-06	8.96E-04
3569	478363.09	3850377.25	2.09E-03	2.54E-08	1.06E-05	6.30E-06	2.10E-03	9.84E-04	1.04E-02	7.98E-04	2.31E-04	1.25E-02	9.36E-04	2.08E-08	1.06E-05	6.30E-06	9.53E-04
3570	478863.09	3850377.25	1.82E-03	2.19E-08	1.26E-05	8.23E-06	1.84E-03	8.57E-04	9.02E-03	9.44E-04	3.02E-04	1.11E-02	8.15E-04	1.80E-08	1.26E-05	8.23E-06	8.35E-04
3571	479363.09	3850377.25	2.46E-03	2.15E-08	1.24E-05	7.55E-06	2.48E-03	1.16E-03	8.85E-03	9.33E-04	2.77E-04	1.12E-02	1.10E-03	1.76E-08	1.24E-05	7.55E-06	1.13E-03
3572	479863.09	3850377.25	3.59E-03	1.50E-08	8.42E-06	7.84E-06	3.60E-03	1.69E-03	6.18E-03	6.32E-04	2.87E-04	8.79E-03	1.61E-03	1.23E-08	8.42E-06	7.84E-06	1.62E-03
3573	480363.09	3850377.25	3.71E-03	1.30E-08	1.34E-05	8.47E-06	3.73E-03	1.75E-03	5.35E-03	1.00E-03	3.10E-04	8.42E-03	1.66E-03	1.07E-08	1.34E-05	8.47E-06	1.68E-03
3574	480863.09	3850377.25	3.46E-03	1.24E-08	1.73E-05	9.19E-06	3.49E-03	1.63E-03	5.11E-03	1.30E-03	3.37E-04	8.38E-03	1.55E-03	1.02E-08	1.73E-05	9.19E-06	1.58E-03
3575	481363.09	3850377.25	1.98E-03	8.85E-09	1.66E-05	8.63E-06	2.01E-03	9.34E-04	3.65E-03	1.24E-03	3.16E-04	6.14E-03	8.88E-04	7.27E-09	1.66E-05	8.63E-06	9.14E-04
3576	481863.09	3850377.25	1.58E-03	6.36E-09	1.53E-05	1.05E-05	1.60E-03	7.44E-04	2.62E-03	1.15E-03	3.85E-04	4.90E-03	7.08E-04	5.22E-09	1.53E-05	1.05E-05	7.34E-04
3577	482363.09	3850377.25	1.01E-03	4.49E-09	2.08E-05	1.07E-05	1.04E-03	4.74E-04	1.85E-03	1.56E-03	3.93E-04	4.28E-03	4.51E-04	3.69E-09	2.08E-05	1.07E-05	4.82E-04
3578	482863.09	3850377.25	6.30E-04	3.33E-09	1.44E-05	6.71E-06	6.51E-04	2.97E-04	1.37E-03	1.08E-03	2.46E-04	2.99E-03	2.83E-04	2.73E-09	1.44E-05	6.71E-06	3.04E-04
3579	483363.09	3850377.25	4.69E-04	3.76E-09	1.06E-05	6.51E-06	4.86E-04	2.21E-04	1.55E-03	7.93E-04	2.39E-04	2.80E-03	2.10E-04	3.09E-09	1.06E-05	6.51E-06	2.27E-04
3580	483863.09	3850377.25	4.83E-04	3.94E-09	1.77E-05	6.83E-06	5.07E-04	2.28E-04	1.62E-03	1.33E-03	2.50E-04	3.43E-03	2.17E-04	3.23E-09	1.77E-05	6.83E-06	2.41E-04
3581	484363.09	3850377.25	5.72E-04	3.93E-09	2.48E-05	8.62E-06	6.06E-04	2.70E-04	1.62E-03	1.86E-03	3.16E-04	4.06E-03	2.57E-04	3.23E-09	2.48E-05	8.62E-06	2.90E-04
3582	484863.09	3850377.25	6.39E-04	3.79E-09	1.93E-05	8.65E-06	6.67E-04	3.02E-04	1.56E-03	1.45E-03	3.17E-04	3.63E-03	2.87E-04	3.11E-09	1.93E-05	8.65E-06	3.15E-04
3583	485363.09	3850377.25	6.45E-04	3.67E-09	3.59E-05	9.66E-06	6.90E-04	3.04E-04	1.51E-03	2.70E-03	3.54E-04	4.86E-03	2.89E-04	3.01E-09	3.59E-05	9.66E-06	3.35E-04
3584	485863.09	3850377.25	4.84E-04	3.37E-09	4.39E-05	8.50E-06	5.36E-04	2.28E-04	1.39E-03	3.29E-03	3.12E-04	5.22E-03	2.17E-04	2.77E-09	4.39E-05	8.50E-06	2.69E-04
3585	486363.09	3850377.25	4.26E-04	3.37E-09	3.20E-05	6.92E-06	4.65E-04	2.01E-04	1.39E-03	2.40E-03	2.54E-04	4.24E-03	1.91E-04	2.77E-09	3.20E-05	6.92E-06	2.30E-04
3586	486863.09	3850377.25	4.60E-04	3.68E-09	2.50E-05	7.91E-06	4.93E-04	2.17E-04	1.52E-03	1.88E-03	2.90E-04	3.90E-03	2.06E-04	3.02E-09	2.50E-05	7.91E-06	2.39E-04
3587	487363.09	3850377.25	4.16E-04	3.33E-09	1.11E-05	6.59E-06	4.33E-04	1.96E-04	1.37E-03	8.31E-04	2.42E-04	2.64E-03	1.86E-04	2.73E-09	1.11E-05	6.59E-06	2.04E-04
3588	487863.09	3850377.25	3.12E-04	3.15E-09	9.16E-06	6.65E-06	3.28E-04	1.47E-04	1.30E-03	6.87E-04	2.44E-04	2.38E-03	1.40E-04	2.59E-09	9.16E-06	6.65E-06	1.56E-04
3589	488363.09	3850377.25	3.57E-04	2.71E-09	7.44E-06	7.45E-06	3.72E-04	1.68E-04	1.12E-03	5.58E-04	2.73E-04	2.11E-03	1.60E-04	2.22E-09	7.44E-06	7.45E-06	1.75E-04
3590	488863.09	3850377.25	3.35E-04	2.44E-09	2.66E-05	7.60E-06	3.70E-04	1.58E-04	1.01E-03	1.99E-03	2.79E-04	3.44E-03	1.50E-04	2.00E-09	2.66E-05	7.60E-06	1.85E-04
3591	489363.09	3850377.25	2.98E-04	2.46E-09	2.80E-05	8.40E-06	3.34E-04	1.40E-04	1.01E-03	2.10E-03	3.08E-04	3.56E-03	1.33E-04	2.02E-09	2.80E-05	8.40E-06	1.70E-04
3592	489863.09	3850377.25	2.94E-04	2.23E-09	2.36E-05	7.74E-06	3.25E-04	1.39E-04	9.20E-04	1.77E-03	2.84E-04	3.11E-03	1.32E-04	1.83E-09	2.36E-05	7.74E-06	1.63E-04
3593	490363.09	3850377.25	2.95E-04	2.08E-09	1.34E-05	6.83E-06	3.15E-04	1.39E-04	8.55E-04	1.01E-03	2.51E-04	2.25E-03	1.32E-04	1.70E-09	1.34E-05	6.83E-06	1.53E-04
3594	490863.09	3850377.25	2.68E-04	2.29E-09	1.48E-05	7.10E-06	2.90E-04	1.26E-04	9.44E-04	1.11E-03	2.60E-04	2.44E-03	1.20E-04	1.88E-09	1.48E-05	7.10E-06	1.42E-04
3595	491363.09	3850377.25	2.62E-04	2.01E-09	2.53E-05	6.32E-06	2.94E-04	1.24E-04	8.28E-04	1.90E-03	2.32E-04	3.08E-03	1.17E-04	1.65E-09	2.53E-05	6.32E-06	1.49E-04

3596	491863.09	3850377.25	2.02E-04	1.64E-09	1.50E-05	5.46E-06	2.23E-04	9.55E-05	6.76E-04	1.13E-03	2.00E-04	2.10E-03	9.08E-05	1.35E-09	1.50E-05	5.46E-06	1.11E-04
3597	492363.09	3850377.25	1.82E-04	1.74E-09	1.40E-05	5.62E-06	2.02E-04	8.59E-05	7.17E-04	1.05E-03	2.06E-04	2.06E-03	8.17E-05	1.43E-09	1.40E-05	5.62E-06	1.01E-04
3598	492863.09	3850377.25	1.99E-04	1.84E-09	1.41E-05	5.56E-06	2.19E-04	9.40E-05	7.60E-04	1.05E-03	2.04E-04	2.11E-03	8.94E-05	1.51E-09	1.41E-05	5.56E-06	1.09E-04
3599	493363.09	3850377.25	1.88E-04	2.00E-09	1.55E-05	5.00E-06	2.09E-04	8.88E-05	8.22E-04	1.16E-03	1.83E-04	2.25E-03	8.44E-05	1.64E-09	1.55E-05	5.00E-06	1.05E-04
3600	493863.09	3850377.25	1.99E-04	2.01E-09	1.88E-05	5.19E-06	2.23E-04	9.37E-05	8.27E-04	1.41E-03	1.90E-04	2.52E-03	8.91E-05	1.65E-09	1.88E-05	5.19E-06	1.13E-04
3601	494363.09	3850377.25	2.27E-04	2.12E-09	2.35E-05	5.32E-06	2.56E-04	1.07E-04	8.74E-04	1.76E-03	1.95E-04	2.94E-03	1.02E-04	1.74E-09	2.35E-05	5.32E-06	1.31E-04
3602	494863.09	3850377.25	2.67E-04	2.16E-09	2.66E-05	5.53E-06	2.99E-04	1.26E-04	8.89E-04	2.00E-03	2.03E-04	3.22E-03	1.20E-04	1.77E-09	2.66E-05	5.53E-06	1.52E-04
3603	495363.09	3850377.25	2.84E-04	2.27E-09	2.99E-05	5.28E-06	3.19E-04	1.34E-04	9.37E-04	2.24E-03	1.94E-04	3.51E-03	1.27E-04	1.87E-09	2.99E-05	5.28E-06	1.63E-04
3604	495863.09	3850377.25	2.76E-04	2.14E-09	2.77E-05	5.73E-06	3.09E-04	1.30E-04	8.81E-04	2.08E-03	2.10E-04	3.30E-03	1.24E-04	1.75E-09	2.77E-05	5.73E-06	1.57E-04
3605	496363.09	3850377.25	2.98E-04	2.28E-09	2.84E-05	6.05E-06	3.32E-04	1.40E-04	9.41E-04	2.13E-03	2.22E-04	3.43E-03	1.34E-04	1.87E-09	2.84E-05	6.05E-06	1.68E-04
3606	496863.09	3850377.25	3.48E-04	2.39E-09	2.15E-05	5.73E-06	3.76E-04	1.64E-04	9.87E-04	1.61E-03	2.10E-04	2.97E-03	1.56E-04	1.97E-09	2.15E-05	5.73E-06	1.83E-04
3607	497363.09	3850377.25	3.50E-04	2.41E-09	1.96E-05	5.79E-06	3.75E-04	1.65E-04	9.91E-04	1.47E-03	2.12E-04	2.84E-03	1.57E-04	1.97E-09	1.96E-05	5.79E-06	1.82E-04
3608	497863.09	3850377.25	3.54E-04	2.50E-09	1.73E-05	5.69E-06	3.77E-04	1.67E-04	1.03E-03	1.30E-03	2.09E-04	2.70E-03	1.59E-04	2.05E-09	1.73E-05	5.69E-06	1.82E-04
3609	498363.09	3850377.25	3.58E-04	2.57E-09	1.91E-05	5.85E-06	3.82E-04	1.69E-04	1.06E-03	1.43E-03	2.15E-04	2.87E-03	1.60E-04	2.11E-09	1.91E-05	5.85E-06	1.85E-04
3610	471363.09	3850877.25	7.17E-04	5.66E-09	1.44E-05	6.46E-06	7.38E-04	3.38E-04	2.33E-03	1.08E-03	2.37E-04	3.99E-03	3.21E-04	4.65E-09	1.44E-05	6.46E-06	3.42E-04
3611	471863.09	3850877.25	9.03E-04	6.66E-09	1.34E-05	5.94E-06	9.23E-04	4.26E-04	2.74E-03	1.00E-03	2.18E-04	4.39E-03	4.05E-04	5.47E-09	1.34E-05	5.94E-06	4.24E-04
3612	472363.09	3850877.25	1.06E-03	8.30E-09	1.04E-05	5.38E-06	1.08E-03	5.00E-04	3.42E-03	7.78E-04	1.97E-04	4.90E-03	4.76E-04	6.81E-09	1.04E-05	5.38E-06	4.91E-04
3613	472863.09	3850877.25	1.12E-03	1.08E-08	8.09E-06	5.67E-06	1.13E-03	5.28E-04	4.44E-03	6.07E-04	2.08E-04	5.78E-03	5.03E-04	8.84E-09	8.09E-06	5.67E-06	5.16E-04
3614	473363.09	3850877.25	1.23E-03	1.10E-08	8.01E-06	6.95E-06	1.24E-03	5.78E-04	4.53E-03	6.01E-04	2.55E-04	5.97E-03	5.50E-04	9.03E-09	8.01E-06	6.95E-06	5.65E-04
3615	473863.09	3850877.25	1.30E-03	1.33E-08	5.77E-06	6.50E-06	1.31E-03	6.11E-04	5.49E-03	4.33E-04	2.38E-04	6.77E-03	5.81E-04	1.09E-08	5.77E-06	6.50E-06	5.94E-04
3616	474363.09	3850877.25	1.53E-03	1.79E-08	8.57E-06	8.36E-06	1.54E-03	7.20E-04	7.36E-03	6.43E-04	3.07E-04	9.03E-03	6.84E-04	1.47E-08	8.57E-06	8.36E-06	7.01E-04
3617	474863.09	3850877.25	1.49E-03	2.06E-08	8.54E-06	8.06E-06	1.50E-03	7.01E-04	8.50E-03	6.40E-04	2.95E-04	1.01E-02	6.67E-04	1.69E-08	8.54E-06	8.06E-06	6.83E-04
3618	475363.09	3850877.25	1.38E-03	2.09E-08	8.39E-06	6.73E-06	1.39E-03	6.49E-04	8.59E-03	6.30E-04	2.47E-04	1.01E-02	6.17E-04	1.71E-08	8.39E-06	6.73E-06	6.33E-04
3619	475863.09	3850877.25	1.58E-03	2.12E-08	1.06E-05	6.81E-06	1.60E-03	7.45E-04	8.75E-03	7.95E-04	2.50E-04	1.05E-02	7.08E-04	1.74E-08	1.06E-05	6.81E-06	7.26E-04
3620	476363.09	3850877.25	1.94E-03	2.06E-08	1.50E-05	7.69E-06	1.96E-03	9.13E-04	8.47E-03	1.12E-03	2.82E-04	1.08E-02	8.69E-04	1.69E-08	1.50E-05	7.69E-06	8.91E-04
3621	476863.09	3850877.25	2.04E-03	2.18E-08	1.52E-05	7.81E-06	2.07E-03	9.64E-04	8.98E-03	1.14E-03	2.86E-04	1.14E-02	9.16E-04	1.79E-08	1.52E-05	7.81E-06	9.39E-04
3622	477363.09	3850877.25	2.12E-03	2.02E-08	1.23E-05	7.39E-06	2.14E-03	9.98E-04	8.31E-03	9.24E-04	2.71E-04	1.05E-02	9.49E-04	1.65E-08	1.23E-05	7.39E-06	9.69E-04
3623	477863.09	3850877.25	2.18E-03	2.48E-08	9.52E-06	8.10E-06	2.20E-03	1.03E-03	1.02E-02	7.14E-04	2.97E-04	1.22E-02	9.79E-04	2.03E-08	9.52E-06	8.10E-06	9.97E-04
3624	478363.09	3850877.25	2.26E-03	2.96E-08	8.78E-06	8.01E-06	2.27E-03	1.06E-03	1.22E-02	6.58E-04	2.94E-04	1.42E-02	1.01E-03	2.43E-08	8.78E-06	8.01E-06	1.03E-03
3625	478863.09	3850877.25	1.96E-03	3.20E-08	1.17E-05	6.78E-06	1.98E-03	9.25E-04	1.32E-02	8.74E-04	2.49E-04	1.52E-02	8.80E-04	2.62E-08	1.17E-05	6.78E-06	8.98E-04
3626	479363.09	3850877.25	2.26E-03	2.61E-08	1.29E-05	8.83E-06	2.28E-03	1.07E-03	1.08E-02	9.70E-04	3.24E-04	1.31E-02	1.01E-03	2.14E-08	1.29E-05	8.83E-06	1.04E-03
3627	479863.09	3850877.25	2.60E-03	2.37E-08	1.36E-05	8.58E-06	2.62E-03	1.22E-03	9.77E-03	1.02E-03	3.15E-04	1.23E-02	1.16E-03	1.95E-08	1.36E-05	8.58E-06	1.19E-03
3628	480363.09	3850877.25	3.36E-03	1.97E-08	8.88E-06	8.44E-06	3.37E-03	1.58E-03	8.10E-03	6.66E-04	3.10E-04	1.07E-02	1.51E-03	1.61E-08	8.88E-06	8.44E-06	1.52E-03
3629	480863.09	3850877.25	3.85E-03	1.84E-08	1.45E-05	8.80E-06	3.87E-03	1.81E-03	7.56E-03	1.09E-03	3.23E-04	1.08E-02	1.73E-03	1.51E-08	1.45E-05	8.80E-06	1.75E-03
3630	481363.09	3850877.25	3.52E-03	1.49E-08	1.82E-05	9.67E-06	3.55E-03	1.66E-03	6.14E-03	1.36E-03	3.54E-04	9.52E-03	1.58E-03	1.22E-08	1.82E-05	9.67E-06	1.61E-03
3631	481863.09	3850877.25	3.45E-03	1.15E-08	1.73E-05	9.87E-06	3.47E-03	1.62E-03	4.72E-03	1.30E-03	3.62E-04	8.00E-03	1.55E-03	9.40E-09	1.73E-05	9.87E-06	1.57E-03
3632	482363.09	3850877.25	1.83E-03	6.77E-09	1.80E-05	1.17E-05	1.86E-03	8.65E-04	2.79E-03	1.35E-03	4.30E-04	5.43E-03	8.22E-04	5.56E-09	1.80E-05	1.17E-05	8.52E-04
3633	482863.09	3850877.25	1.07E-03	4.54E-09	2.15E-05	1.04E-05	1.10E-03	5.04E-04	1.87E-03	1.61E-03	3.81E-04	4.37E-03	4.80E-04	3.72E-09	2.15E-05	1.04E-05	5.11E-04
3634	483363.09	3850877.25	8.19E-04	4.36E-09	1.33E-05	7.80E-06	8.40E-04	3.86E-04	1.80E-03	9.97E-04	2.86E-04	3.47E-03	3.67E-04	3.58E-09	1.33E-05	7.80E-06	3.88E-04
3635	483863.09	3850877.25	6.56E-04	4.44E-09	1.69E-05	7.28E-06	6.80E-04	3.09E-04	1.83E-03	1.27E-03	2.67E-04	3.68E-03	2.94E-04	3.64E-09	1.69E-05	7.28E-06	3.18E-04
3636	484363.09	3850877.25	8.00E-04	4.50E-09	2.48E-05	8.60E-06	8.34E-04	3.78E-04	1.86E-03	1.86E-03	3.15E-04	4.41E-03	3.59E-04	3.70E-09	2.48E-05	8.60E-06	3.92E-04
3637	484863.09	3850877.25	7.01E-04	4.18E-09	2.10E-05	9.35E-06	7.31E-04	3.30E-04	1.72E-03	1.58E-03	3.43E-04	3.97E-03	3.14E-04	3.43E-09	2.10E-05	9.35E-06	3.45E-04
3638	485363.09	3850877.25	8.62E-04	4.16E-09	3.20E-05	1.06E-05	9.05E-04	4.07E-04	1.71E-03	2.40E-03	3.87E-04	4.91E-03	3.87E-04	3.41E-09	3.20E-05	1.06E-05	4.29E-04
3639	485863.09	3850877.25	5.77E-04	3.68E-09	3.68E-05	8.71E-06	6.23E-04	2.72E-04	1.51E-03	2.76E-03	3.20E-04	4.87E-03	2.59E-04	3.02E-09	3.68E-05	8.71E-06	3.04E-04
3640	486363.09	3850877.25	5.16E-04	3.66E-09	4.22E-05	8.65E-06	5.67E-04	2.43E-04	1.51E-03	3.16E-03	3.17E-04	5.23E-03	2.32E-04	3.00E-09	4.22E-05	8.65E-06	2.82E-04
3641	486863.09	3850877.25	5.24E-04	3.98E-09	3.21E-05	8.01E-06	5.64E-04	2.47E-04	1.64E-03	2.41E-03	2.94E-04	4.59E-03	2.35E-04	3.27E-09	3.21E-05	8.01E-06	2.75E-04
3642	487363.09	3850877.25	4.33E-04	3.54E-09	2.09E-05	7.18E-06	4.61E-04	2.04E-04	1.46E-03	1.57E-03	2.63E-04	3.49E-03	1.94E-04	2.91E-09	2.09E-05	7.18E-06	2.22E-04
3643	487863.09	3850877.25	3.45E-04	3.58E-09	1.11E-05	6.78E-06	3.63E-04	1.63E-04	1.47E-03	8.34E-04	2.48E-04	2.72E-03	1.55E-04	2.94E-09	1.11E-05	6.78E-06	1.73E-04
3644	488363.09	3850877.25	3.86E-04	3.65E-09	8.66E-06	8.10E-06	4.03E-04	1.82E-04	1.50E-03	6.49E-04	2.97E-04	2.63E-03	1.73E-04	2.99E-09	8.66E-06	8.10E-06	1.90E-04
3645	488863.09	3850877.25	3.70E-04	2.74E-09	3.16E-05	8.67E-06	4.10E-04	1.74E-04	1.13E-03	2.37E-03	3.18E-04	3.99E-03	1.66E-04	2.25E-09	3.16E-05	8.67E-06	2.06E-04
3646	489363.09	3850877.25	3.20E-04	2.76E-09	3.38E-05	8.46E-06	3.62E-04	1.51E-04	1.14E-03	2.54E-03	3.10E-04	4.14E-03	1.44E-04	2.27E-09	3.38E-05	8.46E-06	1.86E-04
3647	489863.09	3850877.25	3.14E-04	2.54E-09	2.33E-05	7.55E-06	3.45E-04	1.48E-04	1.05E-03	1.75E-03	2.77E-04	3.22E-03	1.41E-04	2.09E-09	2.33E-05	7.55E-06	1.72E-04
3648	490363.09	3850877.25	2.74E-04	2.39E-09	3.02E-05	8.13E-06	3.12E-04	1.29E-04	9.86E-04	2.27E-03	2.98E-04	3.68E-03	1.23E-04	1.96E-09	3.02E-05	8.13E-06	1.61E-04
3649	490863.09	3850877.25	2.91E-04	2.22E-09	2.55E-05	7.34E-06	3.24E-04	1.37E-04	9.14E-04	1.91E-03	2.69E-04	3.23E-03	1.30E-04	1.82E-09	2.55E-05	7.34E-06	1.63E-04
3650	491363.09	3850877.25	2.70E-04	2.28E-09	1.92E-05	6.82E-06	2.96E-04	1.27E-04	9.41E-04	1.44E-03	2.50E-04	2.76E-03	1.21E-04	1.87E-09	1.92E-05	6.82E-06	1.47E-04
3651	491863.09	3850877.25	2.60E-04	2.08E-09	1.37E-05	5.96E-06	2.80E-04	1.23E-04	8.57E-04	1.03E-03	2.18E-04	2.23E-03	1.17E-04	1.71E-09	1.37E-05	5.96E-06	1.36E-04
3652	492363.09	3850877.25	2.51E-04	2.09E-09	1.53E-05	5.87E-06	2.72E-04	1.18E-04	8.62E-04	1.15E-03	2.15E-04	2.35E-03	1.12E-04	1.72E-09	1.53E-05	5.87E-06	1.34E-04
3653	492863.09	3850877.25	2.39E-04	2.15E-09	1.68E-05	5.79E-06	2.62E-04	1.13E-04	8.84E-04	1.26E-03	2.12E-04	2.47E-03	1.07E-04	1.76E-09	1.68E-05	5.79E-06	1.30E-04
3654	493363.09	3850877.25	2.55E-04	2.21E-09	1.85E-05	5.61E-06	2.79E-04	1.20E-04	9.12E-04	1.39E-03	2.06E-04	2.62E-03	1.14E-04	1.82E-09	1.85E-05	5.61E-06	1.39E-04
3655	493863.09	3850877.25	2.97E-04	2.37E-09	2.10E-05	6.04E-06	3.24E-04	1.40E-04	9.75E-04	1.57E-03	2.21E-04	2.91E-03	1.33E-04	1.94E-09	2.10E-05	6.04E-06	1.60E-04
3656	494363.09	3850877.25	2.92E-04	2.35E-09	2.78E-05	5.56E-06	3.25E-04	1.38E-04	9.68E-04	2.08E-03	2.04E-04	3.39E-03	1.31E-04	1.93E-09	2.78E-05	5.56E-06	1.64E-04

3657	494863.09	3850877.25	3.35E-04	2.43E-09	3.15E-05	5.86E-06	3.73E-04	1.58E-04	1.00E-03	2.36E-03	2.15E-04	3.74E-03	1.50E-04	2.00E-09	3.15E-05	5.86E-06	1.88E-04
3658	495363.09	3850877.25	3.50E-04	2.55E-09	3.17E-05	6.54E-06	3.88E-04	1.65E-04	1.05E-03	2.37E-03	2.40E-04	3.83E-03	1.57E-04	2.09E-09	3.17E-05	6.54E-06	1.95E-04
3659	495863.09	3850877.25	3.55E-04	2.58E-09	2.95E-05	6.39E-06	3.91E-04	1.67E-04	1.06E-03	2.21E-03	2.34E-04	3.68E-03	1.59E-04	2.12E-09	2.95E-05	6.39E-06	1.95E-04
3660	496363.09	3850877.25	3.67E-04	2.64E-09	2.19E-05	6.43E-06	3.95E-04	1.73E-04	1.09E-03	1.64E-03	2.36E-04	3.14E-03	1.64E-04	2.16E-09	2.19E-05	6.43E-06	1.93E-04
3661	496863.09	3850877.25	4.22E-04	2.85E-09	2.14E-05	6.35E-06	4.49E-04	1.99E-04	1.18E-03	1.61E-03	2.33E-04	3.21E-03	1.89E-04	2.34E-09	2.14E-05	6.35E-06	2.17E-04
3662	497363.09	3850877.25	4.27E-04	3.06E-09	2.11E-05	6.40E-06	4.54E-04	2.01E-04	1.26E-03	1.58E-03	2.35E-04	3.28E-03	1.91E-04	2.51E-09	2.11E-05	6.40E-06	2.19E-04
3663	497863.09	3850877.25	4.13E-04	3.11E-09	1.82E-05	6.52E-06	4.38E-04	1.95E-04	1.28E-03	1.36E-03	2.39E-04	3.08E-03	1.85E-04	2.55E-09	1.82E-05	6.52E-06	2.10E-04
3664	498363.09	3850877.25	3.96E-04	3.03E-09	2.26E-05	6.67E-06	4.25E-04	1.87E-04	1.25E-03	1.70E-03	2.45E-04	3.38E-03	1.78E-04	2.49E-09	2.26E-05	6.67E-06	2.07E-04
3665	471363.09	3851377.25	7.26E-04	5.58E-09	1.46E-05	7.02E-06	7.48E-04	3.42E-04	2.30E-03	1.10E-03	2.57E-04	4.00E-03	3.26E-04	4.58E-09	1.46E-05	7.02E-06	3.47E-04
3666	471863.09	3851377.25	9.73E-04	6.67E-09	1.36E-05	7.31E-06	9.94E-04	4.59E-04	2.75E-03	1.02E-03	2.68E-04	4.49E-03	4.37E-04	5.48E-09	1.36E-05	7.31E-06	4.57E-04
3667	472363.09	3851377.25	9.42E-04	7.84E-09	1.48E-05	7.45E-06	9.65E-04	4.44E-04	3.23E-03	1.11E-03	2.73E-04	5.06E-03	4.23E-04	6.44E-09	1.48E-05	7.45E-06	4.45E-04
3668	472863.09	3851377.25	1.02E-03	7.98E-09	1.59E-05	7.38E-06	1.04E-03	4.81E-04	3.29E-03	1.19E-03	2.71E-04	5.23E-03	4.57E-04	6.55E-09	1.59E-05	7.38E-06	4.81E-04
3669	473363.09	3851377.25	9.64E-04	8.01E-09	1.19E-05	5.71E-06	9.82E-04	4.55E-04	3.30E-03	8.90E-04	2.09E-04	4.85E-03	4.33E-04	6.57E-09	1.19E-05	5.71E-06	4.50E-04
3670	473863.09	3851377.25	1.09E-03	8.91E-09	8.56E-06	5.95E-06	1.10E-03	5.13E-04	3.67E-03	6.42E-04	2.18E-04	5.04E-03	4.88E-04	7.31E-09	8.56E-06	5.95E-06	5.02E-04
3671	474363.09	3851377.25	1.30E-03	1.20E-08	8.83E-06	7.31E-06	1.31E-03	6.11E-04	4.93E-03	6.63E-04	2.68E-04	6.47E-03	5.81E-04	9.82E-09	8.83E-06	7.31E-06	5.97E-04
3672	474863.09	3851377.25	1.46E-03	1.61E-08	6.31E-06	7.43E-06	1.47E-03	6.88E-04	6.64E-03	4.73E-04	2.72E-04	8.07E-03	6.55E-04	1.32E-08	6.31E-06	7.43E-06	6.68E-04
3673	475363.09	3851377.25	1.72E-03	1.90E-08	9.09E-06	8.81E-06	1.74E-03	8.12E-04	7.84E-03	6.82E-04	3.23E-04	9.66E-03	7.72E-04	1.56E-08	9.09E-06	8.81E-06	7.90E-04
3674	475863.09	3851377.25	1.69E-03	2.25E-08	9.05E-06	8.30E-06	1.71E-03	7.99E-04	9.27E-03	6.79E-04	3.04E-04	1.11E-02	7.60E-04	1.85E-08	9.05E-06	8.30E-06	7.77E-04
3675	476363.09	3851377.25	1.60E-03	2.10E-08	9.25E-06	7.12E-06	1.62E-03	7.56E-04	8.65E-03	6.94E-04	2.61E-04	1.04E-02	7.19E-04	1.72E-08	9.25E-06	7.12E-06	7.35E-04
3676	476863.09	3851377.25	1.90E-03	2.11E-08	1.32E-05	7.32E-06	1.92E-03	8.95E-04	8.70E-03	9.91E-04	2.68E-04	1.09E-02	8.51E-04	1.73E-08	1.32E-05	7.32E-06	8.72E-04
3677	477363.09	3851377.25	2.27E-03	2.30E-08	1.81E-05	9.30E-06	2.30E-03	1.07E-03	9.49E-03	1.36E-03	3.41E-04	1.23E-02	1.02E-03	1.89E-08	1.81E-05	9.30E-06	1.04E-03
3678	477863.09	3851377.25	2.42E-03	2.51E-08	1.51E-05	7.29E-06	2.45E-03	1.14E-03	1.03E-02	1.13E-03	2.67E-04	1.29E-02	1.09E-03	2.06E-08	1.51E-05	7.29E-06	1.11E-03
3679	478363.09	3851377.25	2.54E-03	2.70E-08	1.19E-05	8.63E-06	2.56E-03	1.20E-03	1.11E-02	8.89E-04	3.16E-04	1.35E-02	1.14E-03	2.21E-08	1.19E-05	8.63E-06	1.16E-03
3680	478863.09	3851377.25	2.49E-03	3.25E-08	8.81E-06	8.39E-06	2.51E-03	1.18E-03	1.34E-02	6.61E-04	3.08E-04	1.55E-02	1.12E-03	2.67E-08	8.81E-06	8.39E-06	1.14E-03
3681	479363.09	3851377.25	2.36E-03	3.40E-08	1.14E-05	7.42E-06	2.37E-03	1.11E-03	1.40E-02	8.58E-04	2.72E-04	1.63E-02	1.06E-03	2.79E-08	1.14E-05	7.42E-06	1.08E-03
3682	479863.09	3851377.25	2.53E-03	2.91E-08	1.33E-05	9.47E-06	2.55E-03	1.19E-03	1.20E-02	9.96E-04	3.47E-04	1.45E-02	1.13E-03	2.39E-08	1.33E-05	9.47E-06	1.16E-03
3683	480363.09	3851377.25	2.83E-03	2.77E-08	1.48E-05	9.82E-06	2.85E-03	1.33E-03	1.14E-02	1.11E-03	3.60E-04	1.42E-02	1.27E-03	2.27E-08	1.48E-05	9.82E-06	1.29E-03
3684	480863.09	3851377.25	3.81E-03	2.49E-08	9.88E-06	9.08E-06	3.83E-03	1.80E-03	1.02E-02	7.41E-04	3.33E-04	1.31E-02	1.71E-03	2.04E-08	9.88E-06	9.08E-06	1.73E-03
3685	481363.09	3851377.25	3.77E-03	2.09E-08	1.57E-05	1.02E-05	3.79E-03	1.78E-03	8.61E-03	1.18E-03	3.73E-04	1.19E-02	1.69E-03	1.72E-08	1.57E-05	1.02E-05	1.72E-03
3686	481863.09	3851377.25	3.65E-03	1.53E-08	1.92E-05	9.69E-06	3.68E-03	1.72E-03	6.32E-03	1.44E-03	3.55E-04	9.83E-03	1.64E-03	1.26E-08	1.92E-05	9.69E-06	1.67E-03
3687	482363.09	3851377.25	3.82E-03	1.20E-08	1.81E-05	1.13E-05	3.85E-03	1.80E-03	4.96E-03	1.36E-03	4.16E-04	8.53E-03	1.71E-03	9.88E-09	1.81E-05	1.13E-05	1.74E-03
3688	482863.09	3851377.25	2.15E-03	7.29E-09	2.05E-05	1.32E-05	2.19E-03	1.02E-03	3.00E-03	1.54E-03	4.85E-04	6.04E-03	9.66E-04	5.98E-09	2.05E-05	1.32E-05	1.00E-03
3689	483363.09	3851377.25	1.20E-03	4.71E-09	2.11E-05	9.85E-06	1.23E-03	5.67E-04	1.94E-03	1.58E-03	3.61E-04	4.45E-03	5.39E-04	3.87E-09	2.11E-05	9.85E-06	5.70E-04
3690	483863.09	3851377.25	9.65E-04	5.02E-09	1.86E-05	7.83E-06	9.91E-04	4.55E-04	2.07E-03	1.40E-03	2.87E-04	4.21E-03	4.33E-04	4.12E-09	1.86E-05	7.83E-06	4.59E-04
3691	484363.09	3851377.25	1.19E-03	5.90E-09	2.30E-05	7.87E-06	1.22E-03	5.60E-04	2.43E-03	1.73E-03	2.88E-04	5.01E-03	5.32E-04	4.84E-09	2.30E-05	7.87E-06	5.63E-04
3692	484863.09	3851377.25	6.89E-04	4.12E-09	2.69E-05	1.00E-05	7.26E-04	3.25E-04	1.70E-03	2.02E-03	3.67E-04	4.41E-03	3.09E-04	3.38E-09	2.69E-05	1.00E-05	3.46E-04
3693	485363.09	3851377.25	1.07E-03	4.75E-09	2.89E-05	1.16E-05	1.11E-03	5.03E-04	1.95E-03	2.17E-03	4.24E-04	5.05E-03	4.78E-04	3.89E-09	2.89E-05	1.16E-05	5.19E-04
3694	485863.09	3851377.25	6.98E-04	4.16E-09	4.31E-05	1.05E-05	7.52E-04	3.29E-04	1.71E-03	3.23E-03	3.86E-04	5.66E-03	3.13E-04	3.41E-09	4.31E-05	1.05E-05	3.67E-04
3695	486363.09	3851377.25	6.55E-04	4.42E-09	5.33E-05	1.24E-05	7.21E-04	3.09E-04	1.82E-03	4.00E-03	4.55E-04	6.58E-03	2.94E-04	3.63E-09	5.33E-05	1.24E-05	3.59E-04
3696	486863.09	3851377.25	6.29E-04	4.38E-09	3.98E-05	1.05E-05	6.79E-04	2.96E-04	1.80E-03	2.99E-03	3.86E-04	5.47E-03	2.82E-04	3.59E-09	3.98E-05	1.05E-05	3.32E-04
3697	487363.09	3851377.25	4.45E-04	3.90E-09	2.47E-05	7.41E-06	4.77E-04	2.10E-04	1.61E-03	1.85E-03	2.72E-04	3.94E-03	2.00E-04	3.20E-09	2.47E-05	7.41E-06	2.32E-04
3698	487863.09	3851377.25	4.38E-04	4.05E-09	1.39E-05	8.30E-06	4.60E-04	2.07E-04	1.67E-03	1.04E-03	3.04E-04	3.22E-03	1.97E-04	3.32E-09	1.39E-05	8.30E-06	2.19E-04
3699	488363.09	3851377.25	4.23E-04	3.87E-09	1.01E-05	8.97E-06	4.42E-04	2.00E-04	1.60E-03	7.59E-04	3.29E-04	2.88E-03	1.90E-04	3.18E-09	1.01E-05	8.97E-06	2.09E-04
3700	488863.09	3851377.25	4.29E-04	3.46E-09	3.77E-05	9.05E-06	4.76E-04	2.02E-04	1.42E-03	2.83E-03	3.32E-04	4.79E-03	1.92E-04	2.84E-09	3.77E-05	9.05E-06	2.39E-04
3701	489363.09	3851377.25	3.76E-04	3.00E-09	3.48E-05	8.36E-06	4.19E-04	1.77E-04	1.24E-03	2.61E-03	3.06E-04	4.33E-03	1.69E-04	2.46E-09	3.48E-05	8.36E-06	2.12E-04
3702	489863.09	3851377.25	3.17E-04	2.86E-09	2.14E-05	8.30E-06	3.47E-04	1.50E-04	1.18E-03	1.61E-03	3.04E-04	3.24E-03	1.42E-04	2.34E-09	2.14E-05	8.30E-06	1.72E-04
3703	490363.09	3851377.25	3.09E-04	2.51E-09	2.40E-05	7.33E-06	3.40E-04	1.46E-04	1.04E-03	1.80E-03	2.69E-04	3.25E-03	1.39E-04	2.06E-09	2.40E-05	7.33E-06	1.70E-04
3704	490863.09	3851377.25	3.31E-04	2.92E-09	3.57E-05	6.89E-06	3.74E-04	1.56E-04	1.20E-03	2.68E-03	2.52E-04	4.29E-03	1.48E-04	2.39E-09	3.57E-05	6.89E-06	1.91E-04
3705	491363.09	3851377.25	3.47E-04	2.39E-09	1.86E-05	6.84E-06	3.72E-04	1.64E-04	9.86E-04	1.40E-03	2.51E-04	2.80E-03	1.56E-04	1.96E-09	1.86E-05	6.84E-06	1.81E-04
3706	491863.09	3851377.25	3.16E-04	2.53E-09	1.67E-05	6.14E-06	3.38E-04	1.49E-04	1.04E-03	1.25E-03	2.25E-04	2.67E-03	1.42E-04	2.08E-09	1.67E-05	6.14E-06	1.64E-04
3707	492363.09	3851377.25	3.13E-04	2.50E-09	2.10E-05	5.89E-06	3.39E-04	1.47E-04	1.03E-03	1.57E-03	2.16E-04	2.97E-03	1.40E-04	2.05E-09	2.10E-05	5.89E-06	1.67E-04
3708	492863.09	3851377.25	3.39E-04	2.55E-09	1.79E-05	6.60E-06	3.64E-04	1.60E-04	1.05E-03	1.34E-03	2.42E-04	2.80E-03	1.52E-04	2.09E-09	1.79E-05	6.60E-06	1.77E-04
3709	493363.09	3851377.25	3.07E-04	2.37E-09	1.89E-05	5.98E-06	3.32E-04	1.45E-04	9.76E-04	1.42E-03	2.19E-04	2.76E-03	1.38E-04	1.94E-09	1.89E-05	5.98E-06	1.63E-04
3710	493863.09	3851377.25	3.26E-04	2.66E-09	2.84E-05	5.77E-06	3.60E-04	1.54E-04	1.09E-03	2.13E-03	2.12E-04	3.59E-03	1.46E-04	2.18E-09	2.84E-05	5.77E-06	1.80E-04
3711	494363.09	3851377.25	3.77E-04	2.63E-09	3.32E-05	6.33E-06	4.16E-04	1.78E-04	1.08E-03	2.49E-03	2.32E-04	3.99E-03	1.69E-04	2.16E-09	3.32E-05	6.33E-06	2.08E-04
3712	494863.09	3851377.25	3.87E-04	2.77E-09	3.42E-05	6.81E-06	4.28E-04	1.82E-04	1.14E-03	2.57E-03	2.50E-04	4.14E-03	1.73E-04	2.28E-09	3.42E-05	6.81E-06	2.14E-04
3713	495363.09	3851377.25	4.43E-04	2.95E-09	3.86E-05	7.47E-06	4.90E-04	2.09E-04	1.22E-03	2.90E-03	2.74E-04	4.59E-03	1.99E-04	2.42E-09	3.86E-05	7.47E-06	2.45E-04
3714	495863.09	3851377.25	4.81E-04	3.03E-09	2.50E-05	7.25E-06	5.13E-04	2.27E-04	1.25E-03	1.87E-03	2.66E-04	3.61E-03	2.16E-04	2.48E-09	2.50E-05	7.25E-06	2.48E-04
3715	496363.09	3851377.25	4.92E-04	3.49E-09	2.10E-05	7.71E-06	5.21E-04	2.32E-04	1.44E-03	1.57E-03	2.83E-04	3.53E-03	2.21E-04	2.86E-09	2.10E-05	7.71E-06	2.50E-04
3716	496863.09	3851377.25	4.87E-04	3.40E-09	2.54E-05	7.32E-06	5.20E-04	2.30E-04	1.40E-03	1.91E-03	2.68E-04	3.80E-03	2.19E-04	2.79E-09	2.54E-05	7.32E-06	2.51E-04
3717	497363.09	3851377.25	4.77E-04	3.37E-09	2.14E-05	7.62E-06	5.06E-04	2.25E-04	1.39E-03	1.61E-03	2.79E-04	3.50E-03	2.14E-04	2.76E-09	2.14E-05	7.62E-06	2.43E-04

3718	497863.09	3851377.25	4.57E-04	3.22E-09	2.14E-05	7.03E-06	4.85E-04	2.15E-04	1.33E-03	1.61E-03	2.58E-04	3.41E-03	2.05E-04	2.64E-09	2.14E-05	7.03E-06	2.33E-04
3719	498363.09	3851377.25	4.14E-04	2.91E-09	2.17E-05	6.47E-06	4.42E-04	1.95E-04	1.20E-03	1.63E-03	2.37E-04	3.26E-03	1.86E-04	2.39E-09	2.17E-05	6.47E-06	2.14E-04
3720	471363.09	3851877.25	9.90E-04	6.21E-09	1.90E-05	8.19E-06	1.02E-03	4.67E-04	2.56E-03	1.43E-03	3.00E-04	4.75E-03	4.44E-04	5.09E-09	1.90E-05	8.19E-06	4.71E-04
3721	471863.09	3851877.25	9.38E-04	5.86E-09	1.85E-05	7.66E-06	9.64E-04	4.42E-04	2.41E-03	1.38E-03	2.81E-04	4.52E-03	4.21E-04	4.81E-09	1.85E-05	7.66E-06	4.47E-04
3722	472363.09	3851877.25	9.54E-04	6.66E-09	1.72E-05	7.78E-06	9.79E-04	4.50E-04	2.74E-03	1.29E-03	2.85E-04	4.77E-03	4.28E-04	5.46E-09	1.72E-05	7.78E-06	4.53E-04
3723	472863.09	3851877.25	1.01E-03	7.15E-09	1.59E-05	7.76E-06	1.04E-03	4.77E-04	2.95E-03	1.19E-03	2.84E-04	4.90E-03	4.54E-04	5.87E-09	1.59E-05	7.76E-06	4.78E-04
3724	473363.09	3851877.25	9.44E-04	7.34E-09	1.52E-05	7.84E-06	9.67E-04	4.45E-04	3.02E-03	1.14E-03	2.87E-04	4.90E-03	4.23E-04	6.02E-09	1.52E-05	7.84E-06	4.46E-04
3725	473863.09	3851877.25	9.28E-04	7.81E-09	1.75E-05	7.21E-06	9.52E-04	4.37E-04	3.22E-03	1.31E-03	2.64E-04	5.23E-03	4.16E-04	6.41E-09	1.75E-05	7.21E-06	4.41E-04
3726	474363.09	3851877.25	1.16E-03	9.57E-09	1.55E-05	6.33E-06	1.19E-03	5.49E-04	3.94E-03	1.17E-03	2.32E-04	5.89E-03	5.22E-04	7.85E-09	1.55E-05	6.33E-06	5.44E-04
3727	474863.09	3851877.25	1.47E-03	1.22E-08	9.76E-06	6.81E-06	1.48E-03	6.91E-04	5.04E-03	7.32E-04	2.50E-04	6.72E-03	6.57E-04	1.00E-08	9.76E-06	6.81E-06	6.74E-04
3728	475363.09	3851877.25	1.45E-03	1.52E-08	9.38E-06	7.66E-06	1.47E-03	6.84E-04	6.24E-03	7.03E-04	2.81E-04	7.91E-03	6.50E-04	1.24E-08	9.38E-06	7.66E-06	6.67E-04
3729	475863.09	3851877.25	1.64E-03	1.67E-08	6.83E-06	8.47E-06	1.66E-03	7.74E-04	6.89E-03	5.12E-04	3.11E-04	8.49E-03	7.36E-04	1.37E-08	6.83E-06	8.47E-06	7.52E-04
3730	476363.09	3851877.25	1.87E-03	1.57E-08	9.71E-06	9.10E-06	1.89E-03	8.81E-04	6.48E-03	7.28E-04	3.34E-04	8.43E-03	8.38E-04	1.29E-08	9.71E-06	9.10E-06	8.56E-04
3731	476863.09	3851877.25	1.99E-03	1.86E-08	9.65E-06	8.12E-06	2.01E-03	9.38E-04	7.68E-03	7.24E-04	2.98E-04	9.64E-03	8.92E-04	1.53E-08	9.65E-06	8.12E-06	9.10E-04
3732	477363.09	3851877.25	1.92E-03	2.00E-08	1.15E-05	7.28E-06	1.93E-03	9.03E-04	8.25E-03	8.62E-04	2.67E-04	1.03E-02	8.59E-04	1.64E-08	1.15E-05	7.28E-06	8.78E-04
3733	477863.09	3851877.25	2.37E-03	1.99E-08	1.68E-05	9.23E-06	2.39E-03	1.12E-03	8.19E-03	1.26E-03	3.38E-04	1.09E-02	1.06E-03	1.63E-08	1.68E-05	9.23E-06	1.09E-03
3734	478363.09	3851877.25	3.01E-03	2.24E-08	1.82E-05	7.97E-06	3.04E-03	1.42E-03	9.24E-03	1.37E-03	2.92E-04	1.23E-02	1.35E-03	1.84E-08	1.82E-05	7.97E-06	1.38E-03
3735	478863.09	3851877.25	2.90E-03	2.64E-08	1.47E-05	9.17E-06	2.92E-03	1.37E-03	1.09E-02	1.10E-03	3.36E-04	1.37E-02	1.30E-03	2.17E-08	1.47E-05	9.17E-06	1.32E-03
3736	479363.09	3851877.25	3.00E-03	3.37E-08	1.03E-05	9.42E-06	3.02E-03	1.42E-03	1.39E-02	7.70E-04	3.45E-04	1.64E-02	1.35E-03	2.77E-08	1.03E-05	9.42E-06	1.37E-03
3737	479863.09	3851877.25	3.05E-03	3.72E-08	1.11E-05	8.18E-06	3.07E-03	1.44E-03	1.53E-02	8.35E-04	3.00E-04	1.79E-02	1.37E-03	3.05E-08	1.11E-05	8.18E-06	1.39E-03
3738	480363.09	3851877.25	2.82E-03	3.32E-08	1.37E-05	1.00E-05	2.84E-03	1.33E-03	1.37E-02	1.02E-03	3.67E-04	1.64E-02	1.26E-03	2.73E-08	1.37E-05	1.00E-05	1.29E-03
3739	480863.09	3851877.25	3.24E-03	2.87E-08	1.61E-05	1.06E-05	3.27E-03	1.53E-03	1.18E-02	1.21E-03	3.87E-04	1.50E-02	1.45E-03	2.36E-08	1.61E-05	1.06E-05	1.48E-03
3740	481363.09	3851877.25	4.35E-03	3.00E-08	1.18E-05	1.04E-05	4.37E-03	2.05E-03	1.24E-02	8.83E-04	3.80E-04	1.57E-02	1.95E-03	2.46E-08	1.18E-05	1.04E-05	1.97E-03
3741	481863.09	3851877.25	4.60E-03	2.06E-08	1.68E-05	1.05E-05	4.63E-03	2.17E-03	8.50E-03	1.26E-03	3.85E-04	1.23E-02	2.06E-03	1.69E-08	1.68E-05	1.05E-05	2.09E-03
3742	482363.09	3851877.25	3.96E-03	1.44E-08	2.05E-05	1.15E-05	3.99E-03	1.87E-03	5.95E-03	1.54E-03	4.23E-04	9.77E-03	1.78E-03	1.18E-08	2.05E-05	1.15E-05	1.81E-03
3743	482863.09	3851877.25	2.40E-03	8.29E-09	1.86E-05	1.41E-05	2.43E-03	1.13E-03	3.41E-03	1.39E-03	5.17E-04	6.46E-03	1.07E-03	6.80E-09	1.86E-05	1.41E-05	1.11E-03
3744	483363.09	3851877.25	2.25E-03	7.20E-09	2.34E-05	1.15E-05	2.29E-03	1.06E-03	2.97E-03	1.76E-03	4.23E-04	6.21E-03	1.01E-03	5.91E-09	2.34E-05	1.15E-05	1.05E-03
3745	483863.09	3851877.25	1.46E-03	6.92E-09	1.93E-05	1.00E-05	1.49E-03	6.88E-04	2.85E-03	1.45E-03	3.68E-04	5.36E-03	6.54E-04	5.68E-09	1.93E-05	1.00E-05	6.84E-04
3746	484363.09	3851877.25	1.57E-03	7.86E-09	2.23E-05	1.10E-05	1.61E-03	7.43E-04	3.24E-03	1.67E-03	4.05E-04	6.06E-03	7.06E-04	6.45E-09	2.23E-05	1.10E-05	7.40E-04
3747	484863.09	3851877.25	1.38E-03	6.49E-09	2.82E-05	1.02E-05	1.41E-03	6.49E-04	2.67E-03	2.11E-03	3.75E-04	5.81E-03	6.17E-04	5.33E-09	2.82E-05	1.02E-05	6.55E-04
3748	485363.09	3851877.25	1.30E-03	5.66E-09	2.51E-05	1.06E-05	1.34E-03	6.13E-04	2.33E-03	1.88E-03	3.88E-04	5.22E-03	5.83E-04	4.65E-09	2.51E-05	1.06E-05	6.18E-04
3749	485863.09	3851877.25	1.15E-03	5.36E-09	4.72E-05	1.34E-05	1.21E-03	5.42E-04	2.21E-03	3.54E-03	4.92E-04	6.78E-03	5.15E-04	4.40E-09	4.72E-05	1.34E-05	5.76E-04
3750	486363.09	3851877.25	8.02E-04	4.88E-09	6.36E-05	1.29E-05	8.79E-04	3.78E-04	2.01E-03	4.77E-03	4.73E-04	7.63E-03	3.60E-04	4.00E-09	6.36E-05	1.29E-05	4.36E-04
3751	486863.09	3851877.25	7.61E-04	4.71E-09	4.02E-05	9.27E-06	8.10E-04	3.59E-04	1.94E-03	3.02E-03	3.40E-04	5.66E-03	3.41E-04	3.87E-09	4.02E-05	9.27E-06	3.91E-04
3752	487363.09	3851877.25	5.77E-04	4.34E-09	3.22E-05	8.92E-06	6.18E-04	2.72E-04	1.79E-03	2.41E-03	3.27E-04	4.80E-03	2.59E-04	3.56E-09	3.22E-05	8.92E-06	3.00E-04
3753	487863.09	3851877.25	4.74E-04	4.03E-09	1.66E-05	9.34E-06	5.00E-04	2.24E-04	1.66E-03	1.25E-03	3.42E-04	3.48E-03	2.13E-04	3.31E-09	1.66E-05	9.34E-06	2.39E-04
3754	488363.09	3851877.25	4.51E-04	3.75E-09	1.17E-05	9.68E-06	4.72E-04	2.13E-04	1.54E-03	8.78E-04	3.55E-04	2.99E-03	2.02E-04	3.07E-09	1.17E-05	9.68E-06	2.24E-04
3755	488863.09	3851877.25	3.92E-04	3.30E-09	4.26E-05	8.18E-06	4.42E-04	1.85E-04	1.36E-03	3.19E-03	3.00E-04	5.04E-03	1.76E-04	2.71E-09	4.26E-05	8.18E-06	2.26E-04
3756	489363.09	3851877.25	3.58E-04	3.23E-09	3.64E-05	8.44E-06	4.03E-04	1.69E-04	1.33E-03	2.73E-03	3.09E-04	4.54E-03	1.61E-04	2.65E-09	3.64E-05	8.44E-06	2.06E-04
3757	489863.09	3851877.25	3.27E-04	2.78E-09	1.83E-05	7.53E-06	3.53E-04	1.54E-04	1.14E-03	1.37E-03	2.76E-04	2.94E-03	1.47E-04	2.28E-09	1.83E-05	7.53E-06	1.73E-04
3758	490363.09	3851877.25	3.70E-04	2.81E-09	2.72E-05	7.46E-06	4.05E-04	1.75E-04	1.16E-03	2.04E-03	2.74E-04	3.65E-03	1.66E-04	2.30E-09	2.72E-05	7.46E-06	2.01E-04
3759	490863.09	3851877.25	4.04E-04	2.81E-09	2.59E-05	6.87E-06	4.36E-04	1.90E-04	1.16E-03	1.94E-03	2.52E-04	3.54E-03	1.81E-04	2.30E-09	2.59E-05	6.87E-06	2.14E-04
3760	491363.09	3851877.25	4.13E-04	3.00E-09	1.76E-05	7.14E-06	4.38E-04	1.95E-04	1.24E-03	1.32E-03	2.62E-04	3.01E-03	1.85E-04	2.46E-09	1.76E-05	7.14E-06	2.10E-04
3761	491863.09	3851877.25	4.17E-04	3.07E-09	1.83E-05	7.16E-06	4.43E-04	1.97E-04	1.27E-03	1.37E-03	2.62E-04	3.10E-03	1.87E-04	2.52E-09	1.83E-05	7.16E-06	2.13E-04
3762	492363.09	3851877.25	4.23E-04	2.94E-09	2.43E-05	6.57E-06	4.54E-04	2.00E-04	1.21E-03	1.82E-03	2.41E-04	3.47E-03	1.90E-04	2.41E-09	2.43E-05	6.57E-06	2.21E-04
3763	492863.09	3851877.25	3.76E-04	2.55E-09	2.29E-05	6.50E-06	4.05E-04	1.77E-04	1.05E-03	1.71E-03	2.38E-04	3.18E-03	1.68E-04	2.10E-09	2.29E-05	6.50E-06	1.98E-04
3764	493363.09	3851877.25	4.35E-04	2.91E-09	3.54E-05	6.53E-06	4.77E-04	2.05E-04	1.20E-03	2.66E-03	2.40E-04	4.30E-03	1.95E-04	2.39E-09	3.54E-05	6.53E-06	2.37E-04
3765	493863.09	3851877.25	5.01E-04	3.42E-09	4.09E-05	7.34E-06	5.50E-04	2.37E-04	1.41E-03	3.07E-03	2.69E-04	4.98E-03	2.25E-04	2.81E-09	4.09E-05	7.34E-06	2.73E-04
3766	494363.09	3851877.25	5.01E-04	3.29E-09	3.93E-05	7.85E-06	5.48E-04	2.36E-04	1.36E-03	2.95E-03	2.88E-04	4.83E-03	2.25E-04	2.70E-09	3.93E-05	7.85E-06	2.72E-04
3767	494863.09	3851877.25	5.42E-04	3.43E-09	4.24E-05	8.59E-06	5.93E-04	2.56E-04	1.41E-03	3.18E-03	3.15E-04	5.17E-03	2.43E-04	2.82E-09	4.24E-05	8.59E-06	2.94E-04
3768	495363.09	3851877.25	5.71E-04	3.65E-09	2.81E-05	8.51E-06	6.07E-04	2.69E-04	1.51E-03	2.11E-03	3.12E-04	4.20E-03	2.56E-04	3.00E-09	2.81E-05	8.51E-06	2.93E-04
3769	495863.09	3851877.25	5.63E-04	3.83E-09	2.42E-05	8.73E-06	5.96E-04	2.66E-04	1.58E-03	1.82E-03	3.20E-04	3.98E-03	2.53E-04	3.14E-09	2.42E-05	8.73E-06	2.86E-04
3770	496363.09	3851877.25	5.62E-04	3.75E-09	2.44E-05	9.00E-06	5.95E-04	2.65E-04	1.55E-03	1.83E-03	3.30E-04	3.97E-03	2.52E-04	3.08E-09	2.44E-05	9.00E-06	2.85E-04
3771	496863.09	3851877.25	5.35E-04	3.53E-09	2.49E-05	8.33E-06	5.68E-04	2.52E-04	1.45E-03	1.87E-03	3.06E-04	3.88E-03	2.40E-04	2.90E-09	2.49E-05	8.33E-06	2.73E-04
3772	497363.09	3851877.25	5.28E-04	3.36E-09	2.61E-05	7.26E-06	5.61E-04	2.49E-04	1.39E-03	1.95E-03	2.66E-04	3.86E-03	2.37E-04	2.76E-09	2.61E-05	7.26E-06	2.70E-04
3773	497863.09	3851877.25	4.64E-04	3.16E-09	2.28E-05	7.62E-06	4.95E-04	2.19E-04	1.30E-03	1.71E-03	2.79E-04	3.51E-03	2.08E-04	2.59E-09	2.28E-05	7.62E-06	2.39E-04
3774	498363.09	3851877.25	4.25E-04	3.24E-09	2.14E-05	7.41E-06	4.54E-04	2.01E-04	1.34E-03	1.60E-03	2.72E-04	3.41E-03	1.91E-04	2.66E-09	2.14E-05	7.41E-06	2.20E-04
3775	471363.09	3852377.25	7.29E-04	4.96E-09	2.18E-05	1.00E-05	7.61E-04	3.44E-04	2.04E-03	1.63E-03	3.67E-04	4.39E-03	3.27E-04	4.07E-09	2.18E-05	1.00E-05	3.59E-04
3776	471863.09	3852377.25	8.81E-04	5.85E-09	2.30E-05	9.75E-06	9.13E-04	4.15E-04	2.41E-03	1.73E-03	3.58E-04	4.91E-03	3.95E-04	4.80E-09	2.30E-05	9.75E-06	4.28E-04
3777	472363.09	3852377.25	1.02E-03	7.12E-09	1.95E-05	9.29E-06	1.05E-03	4.79E-04	2.93E-03	1.46E-03	3.41E-04	5.21E-03	4.56E-04	5.84E-09	1.95E-05	9.29E-06	4.85E-04
3778	472863.09	3852377.25	1.12E-03	6.72E-09	2.13E-05	9.08E-06	1.15E-03	5.27E-04	2.77E-03	1.60E-03	3.33E-04	5.23E-03	5.01E-04	5.52E-09	2.13E-05	9.08E-06	5.31E-04

3779	473363.09	3852377.25	1.06E-03	7.36E-09	2.02E-05	8.39E-06	1.09E-03	5.00E-04	3.03E-03	1.52E-03	3.08E-04	5.36E-03	4.76E-04	6.04E-09	2.02E-05	8.39E-06	5.04E-04
3780	473863.09	3852377.25	1.13E-03	7.45E-09	1.84E-05	8.26E-06	1.16E-03	5.34E-04	3.07E-03	1.38E-03	3.03E-04	5.29E-03	5.08E-04	6.11E-09	1.84E-05	8.26E-06	5.34E-04
3781	474363.09	3852377.25	1.04E-03	8.00E-09	1.66E-05	8.29E-06	1.07E-03	4.92E-04	3.30E-03	1.24E-03	3.04E-04	5.34E-03	4.68E-04	6.57E-09	1.66E-05	8.29E-06	4.93E-04
3782	474863.09	3852377.25	1.38E-03	1.09E-08	1.81E-05	9.18E-06	1.41E-03	6.51E-04	4.49E-03	1.36E-03	3.37E-04	6.83E-03	6.19E-04	8.94E-09	1.81E-05	9.18E-06	6.47E-04
3783	475363.09	3852377.25	1.36E-03	1.11E-08	1.68E-05	7.63E-06	1.38E-03	6.42E-04	4.56E-03	1.26E-03	2.80E-04	6.74E-03	6.10E-04	9.09E-09	1.68E-05	7.63E-06	6.35E-04
3784	475863.09	3852377.25	1.45E-03	1.21E-08	1.26E-05	7.88E-06	1.47E-03	6.86E-04	4.99E-03	9.48E-04	2.89E-04	6.92E-03	6.52E-04	9.95E-09	1.26E-05	7.88E-06	6.73E-04
3785	476363.09	3852377.25	1.52E-03	1.28E-08	1.00E-05	7.69E-06	1.54E-03	7.18E-04	5.27E-03	7.52E-04	2.82E-04	7.02E-03	6.83E-04	1.05E-08	1.00E-05	7.69E-06	7.00E-04
3786	476863.09	3852377.25	1.69E-03	1.30E-08	7.46E-06	9.60E-06	1.71E-03	7.98E-04	5.36E-03	5.59E-04	3.52E-04	7.07E-03	7.59E-04	1.07E-08	7.46E-06	9.60E-06	7.76E-04
3787	477363.09	3852377.25	1.88E-03	1.34E-08	1.04E-05	9.52E-06	1.90E-03	8.84E-04	5.52E-03	7.81E-04	3.49E-04	7.53E-03	8.41E-04	1.10E-08	1.04E-05	9.52E-06	8.61E-04
3788	477863.09	3852377.25	1.77E-03	1.05E-08	1.04E-05	8.40E-06	1.79E-03	8.36E-04	4.31E-03	7.76E-04	3.08E-04	6.23E-03	7.94E-04	8.58E-09	1.04E-05	8.40E-06	8.13E-04
3789	478363.09	3852377.25	1.46E-03	9.10E-09	1.44E-05	8.73E-06	1.48E-03	6.89E-04	3.75E-03	1.08E-03	3.20E-04	5.84E-03	6.56E-04	7.46E-09	1.44E-05	8.73E-06	6.79E-04
3790	478863.09	3852377.25	2.45E-03	1.20E-08	2.15E-05	9.61E-06	2.48E-03	1.15E-03	4.95E-03	1.61E-03	3.52E-04	8.07E-03	1.10E-03	9.87E-09	2.15E-05	9.61E-06	1.13E-03
3791	479363.09	3852377.25	3.29E-03	1.68E-08	1.82E-05	9.28E-06	3.32E-03	1.55E-03	6.93E-03	1.36E-03	3.40E-04	1.02E-02	1.48E-03	1.38E-08	1.82E-05	9.28E-06	1.50E-03
3792	479863.09	3852377.25	3.99E-03	2.68E-08	1.41E-05	1.02E-05	4.01E-03	1.88E-03	1.10E-02	1.06E-03	3.73E-04	1.43E-02	1.79E-03	2.20E-08	1.41E-05	1.02E-05	1.81E-03
3793	480363.09	3852377.25	3.43E-03	4.14E-08	1.12E-05	9.08E-06	3.45E-03	1.62E-03	1.71E-02	8.39E-04	3.33E-04	1.99E-02	1.54E-03	3.40E-08	1.12E-05	9.08E-06	1.56E-03
3794	480863.09	3852377.25	3.33E-03	3.63E-08	1.56E-05	1.05E-05	3.35E-03	1.57E-03	1.50E-02	1.17E-03	3.85E-04	1.81E-02	1.49E-03	2.98E-08	1.56E-05	1.05E-05	1.52E-03
3795	481363.09	3852377.25	3.61E-03	3.50E-08	1.70E-05	1.06E-05	3.64E-03	1.70E-03	1.44E-02	1.27E-03	3.90E-04	1.78E-02	1.62E-03	2.87E-08	1.70E-05	1.06E-05	1.65E-03
3796	481863.09	3852377.25	5.06E-03	3.09E-08	1.34E-05	1.11E-05	5.08E-03	2.39E-03	1.27E-02	1.01E-03	4.09E-04	1.65E-02	2.27E-03	2.54E-08	1.34E-05	1.11E-05	2.29E-03
3797	482363.09	3852377.25	5.45E-03	2.12E-08	1.81E-05	1.24E-05	5.49E-03	2.57E-03	8.75E-03	1.36E-03	4.54E-04	1.31E-02	2.45E-03	1.74E-08	1.81E-05	1.24E-05	2.48E-03
3798	482863.09	3852377.25	5.46E-03	1.62E-08	2.17E-05	1.21E-05	5.49E-03	2.57E-03	6.67E-03	1.63E-03	4.45E-04	1.13E-02	2.45E-03	1.33E-08	2.17E-05	1.21E-05	2.48E-03
3799	483363.09	3852377.25	3.60E-03	1.06E-08	1.94E-05	1.36E-05	3.63E-03	1.70E-03	4.36E-03	1.46E-03	5.00E-04	8.02E-03	1.61E-03	8.69E-09	1.94E-05	1.36E-05	1.65E-03
3800	483863.09	3852377.25	2.16E-03	8.27E-09	2.68E-05	1.09E-05	2.20E-03	1.02E-03	3.41E-03	2.01E-03	3.98E-04	6.84E-03	9.70E-04	6.78E-09	2.68E-05	1.09E-05	1.01E-03
3801	484363.09	3852377.25	2.16E-03	8.51E-09	2.03E-05	1.15E-05	2.19E-03	1.02E-03	3.51E-03	1.52E-03	4.23E-04	6.47E-03	9.68E-04	6.98E-09	2.03E-05	1.15E-05	1.00E-03
3802	484863.09	3852377.25	2.29E-03	8.88E-09	2.39E-05	1.07E-05	2.32E-03	1.08E-03	3.66E-03	1.80E-03	3.94E-04	6.93E-03	1.03E-03	7.29E-09	2.39E-05	1.07E-05	1.06E-03
3803	485363.09	3852377.25	2.00E-03	8.19E-09	2.96E-05	1.38E-05	2.05E-03	9.45E-04	3.37E-03	2.22E-03	5.05E-04	7.04E-03	8.98E-04	6.72E-09	2.96E-05	1.38E-05	9.42E-04
3804	485863.09	3852377.25	1.59E-03	6.35E-09	3.86E-05	1.63E-05	1.64E-03	7.50E-04	2.61E-03	2.90E-03	5.98E-04	6.86E-03	7.13E-04	5.21E-09	3.86E-05	1.63E-05	7.68E-04
3805	486363.09	3852377.25	9.64E-04	5.29E-09	4.69E-05	1.22E-05	1.02E-03	4.55E-04	2.18E-03	3.52E-03	4.48E-04	6.60E-03	4.32E-04	4.34E-09	4.69E-05	1.22E-05	4.92E-04
3806	486863.09	3852377.25	8.25E-04	5.14E-09	4.43E-05	1.05E-05	8.79E-04	3.89E-04	2.12E-03	3.32E-03	3.85E-04	6.21E-03	3.70E-04	4.21E-09	4.43E-05	1.05E-05	4.25E-04
3807	487363.09	3852377.25	5.65E-04	4.43E-09	3.55E-05	1.01E-05	6.11E-04	2.67E-04	1.83E-03	2.66E-03	3.69E-04	5.13E-03	2.54E-04	3.64E-09	3.55E-05	1.01E-05	2.99E-04
3808	487863.09	3852377.25	4.82E-04	4.28E-09	2.04E-05	1.07E-05	5.13E-04	2.27E-04	1.76E-03	1.53E-03	3.92E-04	3.91E-03	2.16E-04	3.51E-09	2.04E-05	1.07E-05	2.47E-04
3809	488363.09	3852377.25	5.02E-04	3.72E-09	1.34E-05	8.77E-06	5.24E-04	2.37E-04	1.53E-03	1.01E-03	3.22E-04	3.10E-03	2.25E-04	3.06E-09	1.34E-05	8.77E-06	2.47E-04
3810	488863.09	3852377.25	3.50E-04	3.46E-09	4.48E-05	8.53E-06	4.03E-04	1.65E-04	1.43E-03	3.36E-03	3.13E-04	5.26E-03	1.57E-04	2.84E-09	4.48E-05	8.53E-06	2.10E-04
3811	489363.09	3852377.25	3.65E-04	2.99E-09	2.90E-05	8.03E-06	4.02E-04	1.72E-04	1.23E-03	2.18E-03	2.94E-04	3.88E-03	1.64E-04	2.45E-09	2.90E-05	8.03E-06	2.01E-04
3812	489863.09	3852377.25	4.01E-04	2.61E-09	1.75E-05	7.86E-06	4.26E-04	1.89E-04	1.07E-03	1.31E-03	2.88E-04	2.86E-03	1.80E-04	2.14E-09	1.75E-05	7.86E-06	2.05E-04
3813	490363.09	3852377.25	4.31E-04	3.02E-09	3.02E-05	7.85E-06	4.69E-04	2.03E-04	1.24E-03	2.27E-03	2.88E-04	4.00E-03	1.93E-04	2.47E-09	3.02E-05	7.85E-06	2.32E-04
3814	490863.09	3852377.25	4.42E-04	3.23E-09	2.36E-05	8.94E-06	4.75E-04	2.09E-04	1.33E-03	1.77E-03	3.28E-04	3.64E-03	1.98E-04	2.65E-09	2.36E-05	8.94E-06	2.31E-04
3815	491363.09	3852377.25	5.55E-04	3.50E-09	1.98E-05	7.59E-06	5.83E-04	2.62E-04	1.44E-03	1.48E-03	2.78E-04	3.47E-03	2.49E-04	2.87E-09	1.98E-05	7.59E-06	2.76E-04
3816	491863.09	3852377.25	5.70E-04	3.47E-09	2.61E-05	6.94E-06	6.03E-04	2.69E-04	1.43E-03	1.96E-03	2.54E-04	3.91E-03	2.56E-04	2.85E-09	2.61E-05	6.94E-06	2.89E-04
3817	492363.09	3852377.25	5.49E-04	3.59E-09	4.03E-05	7.76E-06	5.97E-04	2.59E-04	1.48E-03	3.02E-03	2.85E-04	5.04E-03	2.46E-04	2.95E-09	4.03E-05	7.76E-06	2.94E-04
3818	492863.09	3852377.25	5.93E-04	3.94E-09	4.01E-05	8.28E-06	6.42E-04	2.80E-04	1.62E-03	3.00E-03	3.04E-04	5.21E-03	2.66E-04	3.23E-09	4.01E-05	8.28E-06	3.14E-04
3819	493363.09	3852377.25	6.61E-04	4.27E-09	4.63E-05	9.00E-06	7.16E-04	3.12E-04	1.76E-03	3.47E-03	3.30E-04	5.87E-03	2.96E-04	3.50E-09	4.63E-05	9.00E-06	3.52E-04
3820	493863.09	3852377.25	6.49E-04	4.51E-09	4.80E-05	9.64E-06	7.07E-04	3.06E-04	1.86E-03	3.60E-03	3.54E-04	6.12E-03	2.91E-04	3.70E-09	4.80E-05	9.64E-06	3.49E-04
3821	494363.09	3852377.25	6.47E-04	4.38E-09	4.57E-05	9.15E-06	7.02E-04	3.05E-04	1.81E-03	3.43E-03	3.35E-04	5.87E-03	2.90E-04	3.60E-09	4.57E-05	9.15E-06	3.45E-04
3822	494863.09	3852377.25	6.80E-04	3.99E-09	3.44E-05	9.91E-06	7.25E-04	3.21E-04	1.64E-03	2.58E-03	3.63E-04	4.91E-03	3.05E-04	3.28E-09	3.44E-05	9.91E-06	3.49E-04
3823	495363.09	3852377.25	7.20E-04	4.35E-09	3.32E-05	9.75E-06	7.63E-04	3.40E-04	1.79E-03	2.49E-03	3.57E-04	4.98E-03	3.23E-04	3.57E-09	3.32E-05	9.75E-06	3.66E-04
3824	495863.09	3852377.25	6.85E-04	4.41E-09	2.38E-05	9.25E-06	7.18E-04	3.23E-04	1.82E-03	1.78E-03	3.39E-04	4.26E-03	3.07E-04	3.62E-09	2.38E-05	9.25E-06	3.40E-04
3825	496363.09	3852377.25	6.58E-04	4.05E-09	2.82E-05	8.82E-06	6.95E-04	3.10E-04	1.67E-03	2.11E-03	3.24E-04	4.42E-03	2.95E-04	3.33E-09	2.82E-05	8.82E-06	3.32E-04
3826	496863.09	3852377.25	6.42E-04	3.88E-09	2.76E-05	8.58E-06	6.78E-04	3.03E-04	1.60E-03	2.07E-03	3.14E-04	4.29E-03	2.88E-04	3.18E-09	2.76E-05	8.58E-06	3.24E-04
3827	497363.09	3852377.25	5.81E-04	3.77E-09	2.56E-05	7.78E-06	6.14E-04	2.74E-04	1.55E-03	1.92E-03	2.85E-04	4.03E-03	2.60E-04	3.09E-09	2.56E-05	7.78E-06	2.94E-04
3828	497863.09	3852377.25	5.34E-04	3.62E-09	2.09E-05	7.56E-06	5.63E-04	2.52E-04	1.49E-03	1.57E-03	2.77E-04	3.59E-03	2.40E-04	2.97E-09	2.09E-05	7.56E-06	2.68E-04
3829	498363.09	3852377.25	4.79E-04	3.44E-09	1.89E-05	7.51E-06	5.05E-04	2.26E-04	1.42E-03	1.42E-03	2.75E-04	3.33E-03	2.15E-04	2.82E-09	1.89E-05	7.51E-06	2.41E-04
3830	471363.09	3852877.25	8.01E-04	5.45E-09	2.35E-05	9.49E-06	8.34E-04	3.78E-04	2.24E-03	1.76E-03	3.48E-04	4.73E-03	3.59E-04	4.47E-09	2.35E-05	9.49E-06	3.92E-04
3831	471863.09	3852877.25	8.42E-04	5.71E-09	2.40E-05	1.11E-05	8.77E-04	3.97E-04	2.35E-03	1.80E-03	4.08E-04	4.96E-03	3.78E-04	4.69E-09	2.40E-05	1.11E-05	4.13E-04
3832	472363.09	3852877.25	1.01E-03	6.29E-09	2.46E-05	1.10E-05	1.04E-03	4.74E-04	2.59E-03	1.84E-03	4.05E-04	5.32E-03	4.51E-04	5.16E-09	2.46E-05	1.10E-05	4.87E-04
3833	472863.09	3852877.25	1.12E-03	6.57E-09	2.85E-05	1.13E-05	1.16E-03	5.31E-04	2.71E-03	2.14E-03	4.13E-04	5.79E-03	5.04E-04	5.39E-09	2.85E-05	1.13E-05	5.44E-04
3834	473363.09	3852877.25	1.13E-03	7.90E-09	2.55E-05	1.11E-05	1.16E-03	5.32E-04	3.26E-03	1.91E-03	4.07E-04	6.11E-03	5.06E-04	6.49E-09	2.55E-05	1.11E-05	5.42E-04
3835	473863.09	3852877.25	1.19E-03	8.09E-09	2.13E-05	1.06E-05	1.22E-03	5.61E-04	3.33E-03	1.60E-03	3.90E-04	5.88E-03	5.33E-04	6.64E-09	2.13E-05	1.06E-05	5.65E-04
3836	474363.09	3852877.25	1.36E-03	8.57E-09	2.39E-05	9.98E-06	1.40E-03	6.43E-04	3.53E-03	1.80E-03	3.66E-04	6.34E-03	6.12E-04	7.04E-09	2.39E-05	9.98E-06	6.46E-04
3837	474863.09	3852877.25	1.30E-03	8.51E-09	2.22E-05	8.95E-06	1.33E-03	6.14E-04	3.51E-03	1.67E-03	3.28E-04	6.12E-03	5.84E-04	6.99E-09	2.22E-05	8.95E-06	6.15E-04
3838	475363.09	3852877.25	1.42E-03	1.02E-08	2.02E-05	9.43E-06	1.45E-03	6.69E-04	4.22E-03	1.51E-03	3.46E-04	6.74E-03	6.36E-04	8.40E-09	2.02E-05	9.43E-06	6.66E-04
3839	475863.09	3852877.25	1.41E-03	1.03E-08	1.87E-05	9.74E-06	1.43E-03	6.63E-04	4.23E-03	1.40E-03	3.57E-04	6.65E-03	6.30E-04	8.43E-09	1.87E-05	9.74E-06	6.59E-04

3840	476363.09	3852877.25	1.28E-03	1.09E-08	2.00E-05	7.66E-06	1.31E-03	6.04E-04	4.51E-03	1.50E-03	2.81E-04	6.89E-03	5.74E-04	8.98E-09	2.00E-05	7.66E-06	6.02E-04
3841	476863.09	3852877.25	1.11E-03	1.12E-08	1.38E-05	7.79E-06	1.13E-03	5.24E-04	4.62E-03	1.04E-03	2.86E-04	6.47E-03	4.98E-04	9.21E-09	1.38E-05	7.79E-06	5.20E-04
3842	477363.09	3852877.25	1.11E-03	1.01E-08	1.08E-05	8.32E-06	1.12E-03	5.21E-04	4.15E-03	8.09E-04	3.05E-04	5.78E-03	4.96E-04	8.26E-09	1.08E-05	8.32E-06	5.15E-04
3843	477863.09	3852877.25	9.15E-04	8.13E-09	8.24E-06	9.09E-06	9.32E-04	4.32E-04	3.35E-03	6.18E-04	3.33E-04	4.73E-03	4.10E-04	6.67E-09	8.24E-06	9.09E-06	4.28E-04
3844	478363.09	3852877.25	6.62E-04	6.91E-09	8.81E-06	9.37E-06	6.80E-04	3.12E-04	2.85E-03	6.61E-04	3.43E-04	4.16E-03	2.97E-04	5.67E-09	8.81E-06	9.37E-06	3.15E-04
3845	478863.09	3852877.25	8.02E-04	7.87E-09	1.21E-05	8.61E-06	8.23E-04	3.78E-04	3.24E-03	9.11E-04	3.16E-04	4.85E-03	3.60E-04	6.46E-09	1.21E-05	8.61E-06	3.81E-04
3846	479363.09	3852877.25	1.44E-03	9.23E-09	1.87E-05	1.12E-05	1.47E-03	6.78E-04	3.80E-03	1.40E-03	4.12E-04	6.29E-03	6.45E-04	7.57E-09	1.87E-05	1.12E-05	6.75E-04
3847	479863.09	3852877.25	3.48E-03	1.81E-08	2.11E-05	9.30E-06	3.51E-03	1.64E-03	7.46E-03	1.58E-03	3.41E-04	1.10E-02	1.56E-03	1.49E-08	2.11E-05	9.30E-06	1.59E-03
3848	480363.09	3852877.25	3.96E-03	3.42E-08	1.65E-05	1.08E-05	3.98E-03	1.87E-03	1.41E-02	1.24E-03	3.97E-04	1.76E-02	1.77E-03	2.80E-08	1.65E-05	1.08E-05	1.80E-03
3849	480863.09	3852877.25	4.42E-03	3.90E-08	1.17E-05	1.08E-05	4.44E-03	2.09E-03	1.61E-02	8.78E-04	3.96E-04	1.94E-02	1.98E-03	3.20E-08	1.17E-05	1.08E-05	2.01E-03
3850	481363.09	3852877.25	4.45E-03	4.20E-08	1.54E-05	1.10E-05	4.48E-03	2.10E-03	1.73E-02	1.16E-03	4.05E-04	2.10E-02	2.00E-03	3.45E-08	1.54E-05	1.10E-05	2.02E-03
3851	481863.09	3852877.25	4.42E-03	3.88E-08	1.77E-05	1.15E-05	4.45E-03	2.09E-03	1.60E-02	1.33E-03	4.23E-04	1.98E-02	1.98E-03	3.18E-08	1.77E-05	1.15E-05	2.01E-03
3852	482363.09	3852877.25	5.98E-03	3.01E-08	1.51E-05	1.36E-05	6.01E-03	2.82E-03	1.24E-02	1.13E-03	4.97E-04	1.69E-02	2.68E-03	2.47E-08	1.51E-05	1.36E-05	2.71E-03
3853	482863.09	3852877.25	6.30E-03	2.71E-08	1.96E-05	1.12E-05	6.33E-03	2.97E-03	1.12E-02	1.47E-03	4.11E-04	1.60E-02	2.82E-03	2.22E-08	1.96E-05	1.12E-05	2.86E-03
3854	483363.09	3852877.25	6.12E-03	1.88E-08	2.34E-05	1.31E-05	6.16E-03	2.89E-03	7.73E-03	1.76E-03	4.81E-04	1.29E-02	2.75E-03	1.54E-08	2.34E-05	1.31E-05	2.78E-03
3855	483863.09	3852877.25	3.68E-03	1.12E-08	2.12E-05	1.35E-05	3.71E-03	1.73E-03	4.60E-03	1.59E-03	4.96E-04	8.42E-03	1.65E-03	9.16E-09	2.12E-05	1.35E-05	1.68E-03
3856	484363.09	3852877.25	2.87E-03	9.61E-09	2.75E-05	1.14E-05	2.91E-03	1.35E-03	3.96E-03	2.06E-03	4.17E-04	7.79E-03	1.29E-03	7.88E-09	2.75E-05	1.14E-05	1.33E-03
3857	484863.09	3852877.25	2.95E-03	9.75E-09	2.87E-05	1.27E-05	2.99E-03	1.39E-03	4.02E-03	2.15E-03	4.64E-04	8.02E-03	1.32E-03	8.00E-09	2.87E-05	1.27E-05	1.36E-03
3858	485363.09	3852877.25	1.62E-03	7.26E-09	3.13E-05	1.32E-05	1.66E-03	7.63E-04	2.99E-03	2.35E-03	4.84E-04	6.59E-03	7.26E-04	5.96E-09	3.13E-05	1.32E-05	7.70E-04
3859	485863.09	3852877.25	1.29E-03	5.80E-09	2.94E-05	1.46E-05	1.34E-03	6.10E-04	2.39E-03	2.21E-03	5.34E-04	5.74E-03	5.80E-04	4.76E-09	2.94E-05	1.46E-05	6.24E-04
3860	486363.09	3852877.25	8.78E-04	5.46E-09	5.74E-05	1.19E-05	9.48E-04	4.14E-04	2.25E-03	4.30E-03	4.38E-04	7.41E-03	3.94E-04	4.48E-09	5.74E-05	1.19E-05	4.63E-04
3861	486863.09	3852877.25	7.50E-04	5.16E-09	4.80E-05	1.14E-05	8.10E-04	3.54E-04	2.13E-03	3.60E-03	4.19E-04	6.50E-03	3.37E-04	4.24E-09	4.80E-05	1.14E-05	3.96E-04
3862	487363.09	3852877.25	5.56E-04	4.39E-09	4.31E-05	1.09E-05	6.10E-04	2.62E-04	1.81E-03	3.23E-03	4.01E-04	5.70E-03	2.49E-04	3.61E-09	4.31E-05	1.09E-05	3.03E-04
3863	487863.09	3852877.25	5.54E-04	4.36E-09	2.44E-05	9.52E-06	5.88E-04	2.61E-04	1.80E-03	1.83E-03	3.49E-04	4.23E-03	2.49E-04	3.58E-09	2.44E-05	9.52E-06	2.82E-04
3864	488363.09	3852877.25	3.75E-04	3.51E-09	1.50E-05	8.76E-06	3.99E-04	1.77E-04	1.45E-03	1.12E-03	3.21E-04	3.07E-03	1.68E-04	2.88E-09	1.50E-05	8.76E-06	1.92E-04
3865	488863.09	3852877.25	4.49E-04	3.32E-09	4.49E-05	8.33E-06	5.02E-04	2.12E-04	1.37E-03	3.37E-03	3.06E-04	5.25E-03	2.01E-04	2.73E-09	4.49E-05	8.33E-06	2.55E-04
3866	489363.09	3852877.25	4.75E-04	3.17E-09	3.23E-05	8.26E-06	5.16E-04	2.24E-04	1.31E-03	2.42E-03	3.03E-04	4.25E-03	2.13E-04	2.60E-09	3.23E-05	8.26E-06	2.54E-04
3867	489863.09	3852877.25	4.75E-04	3.21E-09	2.15E-05	8.62E-06	5.05E-04	2.24E-04	1.32E-03	1.61E-03	3.16E-04	3.48E-03	2.13E-04	2.63E-09	2.15E-05	8.62E-06	2.43E-04
3868	490363.09	3852877.25	6.22E-04	3.89E-09	3.61E-05	9.03E-06	6.67E-04	2.93E-04	1.60E-03	2.71E-03	3.31E-04	4.94E-03	2.79E-04	3.19E-09	3.61E-05	9.03E-06	3.24E-04
3869	490863.09	3852877.25	6.85E-04	4.01E-09	2.38E-05	9.39E-06	7.18E-04	3.23E-04	1.65E-03	1.78E-03	3.44E-04	4.10E-03	3.07E-04	3.29E-09	2.38E-05	9.39E-06	3.40E-04
3870	491363.09	3852877.25	7.44E-04	4.32E-09	2.59E-05	1.00E-05	7.80E-04	3.51E-04	1.78E-03	1.94E-03	3.68E-04	4.44E-03	3.34E-04	3.55E-09	2.59E-05	1.00E-05	3.70E-04
3871	491863.09	3852877.25	7.90E-04	4.74E-09	3.91E-05	1.03E-05	8.39E-04	3.73E-04	1.95E-03	2.93E-03	3.77E-04	5.64E-03	3.54E-04	3.89E-09	3.91E-05	1.03E-05	4.04E-04
3872	492363.09	3852877.25	7.79E-04	4.88E-09	4.51E-05	1.07E-05	8.35E-04	3.68E-04	2.01E-03	3.38E-03	3.93E-04	6.15E-03	3.50E-04	4.00E-09	4.51E-05	1.07E-05	4.05E-04
3873	492863.09	3852877.25	8.90E-04	5.48E-09	6.01E-05	1.05E-05	9.61E-04	4.20E-04	2.26E-03	4.51E-03	3.86E-04	7.57E-03	3.99E-04	4.49E-09	6.01E-05	1.05E-05	4.70E-04
3874	493363.09	3852877.25	9.38E-04	5.36E-09	7.03E-05	1.05E-05	1.02E-03	4.42E-04	2.21E-03	5.27E-03	3.86E-04	8.31E-03	4.21E-04	4.40E-09	7.03E-05	1.05E-05	5.02E-04
3875	493863.09	3852877.25	9.48E-04	4.58E-09	5.57E-05	1.05E-05	1.01E-03	4.47E-04	1.89E-03	4.17E-03	3.84E-04	6.89E-03	4.25E-04	3.76E-09	5.57E-05	1.05E-05	4.91E-04
3876	494363.09	3852877.25	8.86E-04	4.66E-09	3.42E-05	1.03E-05	9.31E-04	4.18E-04	1.92E-03	2.56E-03	3.76E-04	5.28E-03	3.97E-04	3.83E-09	3.42E-05	1.03E-05	4.42E-04
3877	494863.09	3852877.25	9.41E-04	4.97E-09	3.37E-05	9.91E-06	9.85E-04	4.44E-04	2.05E-03	2.52E-03	3.63E-04	5.38E-03	4.22E-04	4.08E-09	3.37E-05	9.91E-06	4.66E-04
3878	495363.09	3852877.25	9.50E-04	5.13E-09	3.16E-05	9.78E-06	9.92E-04	4.48E-04	2.11E-03	2.37E-03	3.58E-04	5.29E-03	4.26E-04	4.21E-09	3.16E-05	9.78E-06	4.68E-04
3879	495863.09	3852877.25	8.36E-04	4.90E-09	3.10E-05	9.81E-06	8.77E-04	3.95E-04	2.02E-03	2.32E-03	3.60E-04	5.09E-03	3.75E-04	4.02E-09	3.10E-05	9.81E-06	4.16E-04
3880	496363.09	3852877.25	8.45E-04	4.89E-09	3.51E-05	9.42E-06	8.90E-04	3.99E-04	2.01E-03	2.63E-03	3.45E-04	5.39E-03	3.79E-04	4.01E-09	3.51E-05	9.42E-06	4.24E-04
3881	496863.09	3852877.25	7.81E-04	4.61E-09	2.96E-05	9.23E-06	8.20E-04	3.69E-04	1.90E-03	2.22E-03	3.38E-04	4.83E-03	3.50E-04	3.78E-09	2.96E-05	9.23E-06	3.89E-04
3882	497363.09	3852877.25	6.26E-04	4.12E-09	2.14E-05	8.36E-06	6.56E-04	2.95E-04	1.70E-03	1.61E-03	3.07E-04	3.90E-03	2.81E-04	3.38E-09	2.14E-05	8.36E-06	3.10E-04
3883	497863.09	3852877.25	5.10E-04	3.49E-09	2.04E-05	8.33E-06	5.38E-04	2.40E-04	1.44E-03	1.53E-03	3.05E-04	3.52E-03	2.29E-04	2.86E-09	2.04E-05	8.33E-06	2.57E-04
3884	498363.09	3852877.25	4.68E-04	3.35E-09	2.24E-05	8.25E-06	4.99E-04	2.21E-04	1.38E-03	1.68E-03	3.02E-04	3.59E-03	2.10E-04	2.75E-09	2.24E-05	8.25E-06	2.41E-04
3885	471363.09	3853377.25	8.33E-04	5.79E-09	2.62E-05	1.07E-05	8.70E-04	3.93E-04	2.39E-03	1.97E-03	3.93E-04	5.14E-03	3.74E-04	4.75E-09	2.62E-05	1.07E-05	4.11E-04
3886	471863.09	3853377.25	9.20E-04	5.95E-09	2.70E-05	1.15E-05	9.59E-04	4.34E-04	2.45E-03	2.02E-03	4.20E-04	5.33E-03	4.13E-04	4.88E-09	2.70E-05	1.15E-05	4.51E-04
3887	472363.09	3853377.25	9.81E-04	6.45E-09	2.75E-05	1.16E-05	1.02E-03	4.63E-04	2.66E-03	2.06E-03	4.27E-04	5.61E-03	4.40E-04	5.30E-09	2.75E-05	1.16E-05	4.79E-04
3888	472863.09	3853377.25	1.04E-03	6.75E-09	2.67E-05	1.24E-05	1.08E-03	4.90E-04	2.78E-03	2.00E-03	4.54E-04	5.73E-03	4.66E-04	5.54E-09	2.67E-05	1.24E-05	5.05E-04
3889	473363.09	3853377.25	1.17E-03	7.20E-09	2.54E-05	1.25E-05	1.21E-03	5.53E-04	2.97E-03	1.91E-03	4.59E-04	5.89E-03	5.26E-04	5.91E-09	2.54E-05	1.25E-05	5.64E-04
3890	473863.09	3853377.25	1.16E-03	7.56E-09	2.69E-05	1.25E-05	1.20E-03	5.47E-04	3.12E-03	2.02E-03	4.58E-04	6.14E-03	5.20E-04	6.21E-09	2.69E-05	1.25E-05	5.59E-04
3891	474363.09	3853377.25	1.27E-03	7.85E-09	3.21E-05	1.23E-05	1.32E-03	6.00E-04	3.24E-03	2.41E-03	4.53E-04	6.69E-03	5.71E-04	6.45E-09	3.21E-05	1.23E-05	6.15E-04
3892	474863.09	3853377.25	1.34E-03	8.04E-09	2.84E-05	1.18E-05	1.38E-03	6.33E-04	3.31E-03	2.13E-03	4.34E-04	6.51E-03	6.02E-04	6.59E-09	2.84E-05	1.18E-05	6.42E-04
3893	475363.09	3853377.25	1.25E-03	8.36E-09	2.40E-05	1.12E-05	1.29E-03	5.90E-04	3.44E-03	1.80E-03	4.09E-04	6.24E-03	5.61E-04	6.86E-09	2.40E-05	1.12E-05	5.96E-04
3894	475863.09	3853377.25	1.16E-03	8.26E-09	2.59E-05	1.03E-05	1.19E-03	5.47E-04	3.40E-03	1.94E-03	3.77E-04	6.27E-03	5.20E-04	6.78E-09	2.59E-05	1.03E-05	5.56E-04
3895	476363.09	3853377.25	1.18E-03	8.52E-09	2.32E-05	9.83E-06	1.22E-03	5.58E-04	3.51E-03	1.74E-03	3.60E-04	6.17E-03	5.31E-04	7.00E-09	2.32E-05	9.83E-06	5.64E-04
3896	476863.09	3853377.25	9.39E-04	8.19E-09	2.03E-05	9.97E-06	9.69E-04	4.43E-04	3.37E-03	1.52E-03	3.65E-04	5.71E-03	4.21E-04	6.72E-09	2.03E-05	9.97E-06	4.51E-04
3897	477363.09	3853377.25	9.57E-04	9.11E-09	2.27E-05	8.76E-06	9.88E-04	4.51E-04	3.75E-03	1.70E-03	3.21E-04	6.23E-03	4.29E-04	7.48E-09	2.27E-05	8.76E-06	4.61E-04
3898	477863.09	3853377.25	9.12E-04	9.89E-09	1.66E-05	7.75E-06	9.36E-04	4.30E-04	4.07E-03	1.24E-03	2.84E-04	6.03E-03	4.09E-04	8.11E-09	1.66E-05	7.75E-06	4.33E-04
3899	478363.09	3853377.25	6.76E-04	8.20E-09	1.20E-05	8.37E-06	6.97E-04	3.19E-04	3.38E-03	9.00E-04	3.07E-04	4.90E-03	3.03E-04	6.73E-09	1.20E-05	8.37E-06	3.24E-04
3900	478863.09	3853377.25	4.98E-04	6.98E-09	9.20E-06	9.63E-06	5.17E-04	2.35E-04	2.88E-03	6.90E-04	3.53E-04	4.16E-03	2.23E-04	5.73E-09	9.20E-06	9.63E-06	2.42E-04

3901	479363.09	3853377.25	9.31E-04	8.35E-09	1.10E-05	1.04E-05	9.52E-04	4.39E-04	3.44E-03	8.27E-04	3.81E-04	5.09E-03	4.17E-04	6.85E-09	1.10E-05	1.04E-05	4.39E-04
3902	479863.09	3853377.25	1.52E-03	1.05E-08	1.59E-05	1.14E-05	1.55E-03	7.17E-04	4.33E-03	1.19E-03	4.16E-04	6.66E-03	6.82E-04	8.62E-09	1.59E-05	1.14E-05	7.09E-04
3903	480363.09	3853377.25	3.25E-03	2.01E-08	2.21E-05	1.01E-05	3.29E-03	1.53E-03	8.30E-03	1.66E-03	3.70E-04	1.19E-02	1.46E-03	1.65E-08	2.21E-05	1.01E-05	1.49E-03
3904	480863.09	3853377.25	4.18E-03	1.86E-08	1.86E-05	1.14E-05	4.21E-03	1.97E-03	7.66E-03	1.39E-03	4.17E-04	1.14E-02	1.88E-03	1.52E-08	1.86E-05	1.14E-05	1.91E-03
3905	481363.09	3853377.25	5.32E-03	3.06E-08	1.53E-05	1.20E-05	5.35E-03	2.51E-03	1.26E-02	1.15E-03	4.41E-04	1.67E-02	2.39E-03	2.51E-08	1.53E-05	1.20E-05	2.41E-03
3906	481863.09	3853377.25	5.08E-03	5.38E-08	1.51E-05	1.32E-05	5.10E-03	2.39E-03	2.21E-02	1.13E-03	4.86E-04	2.62E-02	2.28E-03	4.41E-08	1.51E-05	1.32E-05	2.30E-03
3907	482363.09	3853377.25	5.47E-03	3.76E-08	1.85E-05	1.32E-05	5.50E-03	2.58E-03	1.55E-02	1.39E-03	4.84E-04	2.00E-02	2.45E-03	3.09E-08	1.85E-05	1.32E-05	2.48E-03
3908	482863.09	3853377.25	7.43E-03	3.58E-08	1.70E-05	1.54E-05	7.46E-03	3.50E-03	1.48E-02	1.28E-03	5.64E-04	2.01E-02	3.33E-03	2.94E-08	1.70E-05	1.54E-05	3.36E-03
3909	483363.09	3853377.25	7.93E-03	2.38E-08	2.12E-05	1.39E-05	7.97E-03	3.74E-03	9.80E-03	1.59E-03	5.10E-04	1.56E-02	3.56E-03	1.95E-08	2.12E-05	1.39E-05	3.59E-03
3910	483863.09	3853377.25	6.74E-03	1.84E-08	2.66E-05	1.58E-05	6.78E-03	3.18E-03	7.59E-03	2.00E-03	5.79E-04	1.33E-02	3.02E-03	1.51E-08	2.66E-05	1.58E-05	3.06E-03
3911	484363.09	3853377.25	4.57E-03	1.47E-08	2.60E-05	1.12E-05	4.61E-03	2.16E-03	6.07E-03	1.95E-03	4.12E-04	1.06E-02	2.05E-03	1.21E-08	2.60E-05	1.12E-05	2.09E-03
3912	484863.09	3853377.25	3.44E-03	9.96E-09	2.71E-05	1.37E-05	3.49E-03	1.62E-03	4.10E-03	2.03E-03	5.03E-04	8.27E-03	1.54E-03	8.18E-09	2.71E-05	1.37E-05	1.59E-03
3913	485363.09	3853377.25	1.37E-03	6.85E-09	2.59E-05	1.48E-05	1.41E-03	6.47E-04	2.82E-03	1.94E-03	5.43E-04	5.95E-03	6.15E-04	5.62E-09	2.59E-05	1.48E-05	6.56E-04
3914	485863.09	3853377.25	1.02E-03	5.17E-09	3.23E-05	1.31E-05	1.06E-03	4.80E-04	2.13E-03	2.42E-03	4.80E-04	5.51E-03	4.56E-04	4.24E-09	3.23E-05	1.31E-05	5.02E-04
3915	486363.09	3853377.25	9.03E-04	5.21E-09	4.14E-05	1.33E-05	9.58E-04	4.26E-04	2.15E-03	3.10E-03	4.89E-04	6.16E-03	4.05E-04	4.27E-09	4.14E-05	1.33E-05	4.60E-04
3916	486863.09	3853377.25	7.61E-04	5.27E-09	5.87E-05	1.24E-05	8.32E-04	3.59E-04	2.17E-03	4.40E-03	4.54E-04	7.39E-03	3.41E-04	4.33E-09	5.87E-05	1.24E-05	4.12E-04
3917	487363.09	3853377.25	6.43E-04	4.87E-09	4.89E-05	1.15E-05	7.03E-04	3.03E-04	2.01E-03	3.66E-03	4.21E-04	6.39E-03	2.88E-04	3.99E-09	4.89E-05	1.15E-05	3.49E-04
3918	487863.09	3853377.25	7.11E-04	5.07E-09	3.31E-05	1.10E-05	7.55E-04	3.36E-04	2.09E-03	2.48E-03	4.02E-04	5.31E-03	3.19E-04	4.16E-09	3.31E-05	1.10E-05	3.63E-04
3919	488363.09	3853377.25	7.64E-04	5.56E-09	1.83E-05	1.07E-05	7.93E-04	3.60E-04	2.29E-03	1.38E-03	3.93E-04	4.42E-03	3.43E-04	4.56E-09	1.83E-05	1.07E-05	3.72E-04
3920	488863.09	3853377.25	8.25E-04	5.50E-09	4.63E-05	1.43E-05	8.86E-04	3.89E-04	2.27E-03	3.47E-03	5.23E-04	6.65E-03	3.70E-04	4.52E-09	4.63E-05	1.43E-05	4.31E-04
3921	489363.09	3853377.25	8.97E-04	4.96E-09	3.34E-05	1.19E-05	9.42E-04	4.23E-04	2.04E-03	2.51E-03	4.35E-04	5.41E-03	4.02E-04	4.07E-09	3.34E-05	1.19E-05	4.48E-04
3922	489863.09	3853377.25	8.49E-04	4.79E-09	4.96E-05	1.18E-05	9.10E-04	4.00E-04	1.97E-03	3.72E-03	4.34E-04	6.53E-03	3.81E-04	3.93E-09	4.96E-05	1.18E-05	4.42E-04
3923	490363.09	3853377.25	9.45E-04	4.92E-09	3.95E-05	1.14E-05	9.96E-04	4.46E-04	2.03E-03	2.96E-03	4.19E-04	5.86E-03	4.24E-04	4.04E-09	3.95E-05	1.14E-05	4.75E-04
3924	490863.09	3853377.25	1.05E-03	5.33E-09	3.71E-05	1.13E-05	1.10E-03	4.97E-04	2.20E-03	2.78E-03	4.15E-04	5.89E-03	4.72E-04	4.38E-09	3.71E-05	1.13E-05	5.21E-04
3925	491363.09	3853377.25	1.15E-03	5.84E-09	3.70E-05	1.22E-05	1.20E-03	5.43E-04	2.41E-03	2.78E-03	4.47E-04	6.18E-03	5.17E-04	4.80E-09	3.70E-05	1.22E-05	5.66E-04
3926	491863.09	3853377.25	1.17E-03	5.54E-09	4.71E-05	1.11E-05	1.23E-03	5.53E-04	2.28E-03	3.53E-03	4.08E-04	6.78E-03	5.26E-04	4.55E-09	4.71E-05	1.11E-05	5.84E-04
3927	492363.09	3853377.25	1.27E-03	5.46E-09	6.55E-05	1.14E-05	1.35E-03	5.99E-04	2.25E-03	4.91E-03	4.19E-04	8.18E-03	5.70E-04	4.48E-09	6.55E-05	1.14E-05	6.46E-04
3928	492863.09	3853377.25	1.31E-03	5.85E-09	7.79E-05	1.14E-05	1.40E-03	6.20E-04	2.41E-03	5.84E-03	4.19E-04	9.29E-03	5.90E-04	4.80E-09	7.79E-05	1.14E-05	6.79E-04
3929	493363.09	3853377.25	1.29E-03	5.85E-09	7.15E-05	1.15E-05	1.37E-03	6.07E-04	2.41E-03	5.36E-03	4.21E-04	8.80E-03	5.77E-04	4.80E-09	7.15E-05	1.15E-05	6.60E-04
3930	493863.09	3853377.25	1.30E-03	5.95E-09	3.84E-05	1.14E-05	1.35E-03	6.15E-04	2.45E-03	2.88E-03	4.17E-04	6.36E-03	5.85E-04	4.88E-09	3.84E-05	1.14E-05	6.35E-04
3931	494363.09	3853377.25	1.22E-03	5.68E-09	3.67E-05	1.13E-05	1.27E-03	5.77E-04	2.34E-03	2.75E-03	4.15E-04	6.08E-03	5.49E-04	4.66E-09	3.67E-05	1.13E-05	5.97E-04
3932	494863.09	3853377.25	1.16E-03	5.52E-09	3.69E-05	1.17E-05	1.21E-03	5.46E-04	2.27E-03	2.77E-03	4.27E-04	6.02E-03	5.20E-04	4.53E-09	3.69E-05	1.17E-05	5.68E-04
3933	495363.09	3853377.25	1.17E-03	5.84E-09	4.09E-05	1.16E-05	1.22E-03	5.52E-04	2.41E-03	3.07E-03	4.24E-04	6.45E-03	5.24E-04	4.79E-09	4.09E-05	1.16E-05	5.77E-04
3934	495863.09	3853377.25	1.08E-03	5.73E-09	4.40E-05	1.10E-05	1.13E-03	5.08E-04	2.36E-03	3.30E-03	4.04E-04	6.57E-03	4.83E-04	4.70E-09	4.40E-05	1.10E-05	5.39E-04
3935	496363.09	3853377.25	9.25E-04	5.00E-09	3.19E-05	9.91E-06	9.67E-04	4.36E-04	2.06E-03	2.39E-03	3.63E-04	5.25E-03	4.15E-04	4.10E-09	3.19E-05	9.91E-06	4.57E-04
3936	496863.09	3853377.25	7.92E-04	4.57E-09	3.16E-05	9.80E-06	8.34E-04	3.74E-04	1.88E-03	2.37E-03	3.59E-04	4.98E-03	3.55E-04	3.75E-09	3.16E-05	9.80E-06	3.97E-04
3937	497363.09	3853377.25	6.48E-04	4.07E-09	2.98E-05	9.47E-06	6.88E-04	3.06E-04	1.68E-03	2.24E-03	3.47E-04	4.57E-03	2.91E-04	3.34E-09	2.98E-05	9.47E-06	3.30E-04
3938	497863.09	3853377.25	4.39E-04	3.18E-09	2.39E-05	7.23E-06	4.70E-04	2.07E-04	1.31E-03	1.79E-03	2.65E-04	3.57E-03	1.97E-04	2.61E-09	2.39E-05	7.23E-06	2.28E-04
3939	498363.09	3853377.25	3.66E-04	2.82E-09	2.28E-05	6.48E-06	3.95E-04	1.73E-04	1.16E-03	1.71E-03	2.38E-04	3.28E-03	1.64E-04	2.31E-09	2.28E-05	6.48E-06	1.93E-04
3940	471363.09	3853877.25	8.22E-04	6.72E-09	2.96E-05	9.93E-06	8.62E-04	3.88E-04	2.77E-03	2.22E-03	3.64E-04	5.74E-03	3.69E-04	5.52E-09	2.96E-05	9.93E-06	4.08E-04
3941	471863.09	3853877.25	9.07E-04	6.98E-09	2.79E-05	1.10E-05	9.46E-04	4.28E-04	2.88E-03	2.09E-03	4.03E-04	5.80E-03	4.07E-04	5.73E-09	2.79E-05	1.10E-05	4.46E-04
3942	472363.09	3853877.25	9.68E-04	6.93E-09	2.67E-05	1.13E-05	1.01E-03	4.56E-04	2.86E-03	2.01E-03	4.13E-04	5.73E-03	4.34E-04	5.69E-09	2.67E-05	1.13E-05	4.72E-04
3943	472863.09	3853877.25	1.04E-03	6.84E-09	2.80E-05	1.18E-05	1.08E-03	4.89E-04	2.82E-03	2.10E-03	4.33E-04	5.84E-03	4.65E-04	5.61E-09	2.80E-05	1.18E-05	5.05E-04
3944	473363.09	3853877.25	1.10E-03	7.13E-09	2.91E-05	1.27E-05	1.14E-03	5.17E-04	2.94E-03	2.18E-03	4.64E-04	6.10E-03	4.92E-04	5.85E-09	2.91E-05	1.27E-05	5.33E-04
3945	473863.09	3853877.25	1.15E-03	7.22E-09	2.99E-05	1.37E-05	1.19E-03	5.41E-04	2.98E-03	2.24E-03	5.01E-04	6.26E-03	5.14E-04	5.93E-09	2.99E-05	1.37E-05	5.58E-04
3946	474363.09	3853877.25	1.28E-03	7.38E-09	3.04E-05	1.39E-05	1.33E-03	6.06E-04	3.04E-03	2.28E-03	5.11E-04	6.44E-03	5.76E-04	6.06E-09	3.04E-05	1.39E-05	6.20E-04
3947	474863.09	3853877.25	1.33E-03	8.11E-09	2.69E-05	1.43E-05	1.37E-03	6.26E-04	3.34E-03	2.02E-03	5.23E-04	6.51E-03	5.95E-04	6.65E-09	2.69E-05	1.43E-05	6.37E-04
3948	475363.09	3853877.25	1.28E-03	7.86E-09	2.96E-05	1.27E-05	1.32E-03	6.04E-04	3.24E-03	2.22E-03	4.66E-04	6.53E-03	5.74E-04	6.45E-09	2.96E-05	1.27E-05	6.16E-04
3949	475863.09	3853877.25	9.81E-04	7.28E-09	3.24E-05	1.21E-05	1.03E-03	4.63E-04	3.00E-03	2.43E-03	4.45E-04	6.34E-03	4.40E-04	5.97E-09	3.24E-05	1.21E-05	4.85E-04
3950	476363.09	3853877.25	7.57E-04	6.62E-09	3.23E-05	1.02E-05	7.99E-04	3.57E-04	2.73E-03	2.42E-03	3.75E-04	5.88E-03	3.39E-04	5.43E-09	3.23E-05	1.02E-05	3.82E-04
3951	476863.09	3853877.25	5.73E-04	6.21E-09	2.70E-05	9.48E-06	6.09E-04	2.70E-04	2.56E-03	2.03E-03	3.48E-04	5.21E-03	2.57E-04	5.10E-09	2.70E-05	9.48E-06	2.93E-04
3952	477363.09	3853877.25	6.67E-04	7.46E-09	2.61E-05	1.02E-05	7.03E-04	3.15E-04	3.07E-03	1.96E-03	3.75E-04	5.72E-03	2.99E-04	6.12E-09	2.61E-05	1.02E-05	3.36E-04
3953	477863.09	3853877.25	7.21E-04	8.42E-09	2.46E-05	1.03E-05	7.55E-04	3.40E-04	3.47E-03	1.84E-03	3.78E-04	6.03E-03	3.23E-04	6.91E-09	2.46E-05	1.03E-05	3.58E-04
3954	478363.09	3853877.25	7.98E-04	9.47E-09	2.19E-05	9.18E-06	8.29E-04	3.76E-04	3.90E-03	1.64E-03	3.37E-04	6.25E-03	3.58E-04	7.77E-09	2.19E-05	9.18E-06	3.89E-04
3955	478863.09	3853877.25	5.97E-04	7.74E-09	1.98E-05	8.53E-06	6.25E-04	2.82E-04	3.19E-03	1.49E-03	3.13E-04	5.27E-03	2.68E-04	6.35E-09	1.98E-05	8.53E-06	2.96E-04
3956	479363.09	3853877.25	8.54E-04	8.19E-09	1.46E-05	9.84E-06	8.79E-04	4.03E-04	3.38E-03	1.09E-03	3.61E-04	5.23E-03	3.83E-04	6.72E-09	1.46E-05	9.84E-06	4.07E-04
3957	479863.09	3853877.25	1.47E-03	1.07E-08	1.14E-05	1.17E-05	1.50E-03	6.94E-04	4.41E-03	8.58E-04	4.29E-04	6.39E-03	6.60E-04	8.78E-09	1.14E-05	1.17E-05	6.83E-04
3958	480363.09	3853877.25	2.42E-03	1.37E-08	1.39E-05	1.16E-05	2.45E-03	1.14E-03	5.63E-03	1.04E-03	4.27E-04	8.24E-03	1.09E-03	1.12E-08	1.39E-05	1.16E-05	1.11E-03
3959	480863.09	3853877.25	3.90E-03	2.24E-08	2.05E-05	1.24E-05	3.93E-03	1.84E-03	9.21E-03	1.54E-03	4.56E-04	1.30E-02	1.75E-03	1.83E-08	2.05E-05	1.24E-05	1.78E-03
3960	481363.09	3853877.25	5.05E-03	3.38E-08	2.24E-05	1.30E-05	5.08E-03	2.38E-03	1.39E-02	1.68E-03	4.76E-04	1.85E-02	2.26E-03	2.77E-08	2.24E-05	1.30E-05	2.30E-03
3961	481863.09	3853877.25	5.38E-03	6.27E-08	1.87E-05	1.35E-05	5.41E-03	2.54E-03	2.58E-02	1.41E-03	4.97E-04	3.03E-02	2.41E-03	5.14E-08	1.87E-05	1.35E-05	2.45E-03

3962	482363.09	3853877.25	7.07E-03	6.84E-08	1.55E-05	1.68E-05	7.10E-03	3.33E-03	2.82E-02	1.17E-03	6.17E-04	3.33E-02	3.17E-03	5.61E-08	1.55E-05	1.68E-05	3.20E-03
3963	482863.09	3853877.25	7.32E-03	3.79E-08	1.99E-05	1.96E-05	7.36E-03	3.45E-03	1.56E-02	1.49E-03	7.17E-04	2.13E-02	3.29E-03	3.11E-08	1.99E-05	1.96E-05	3.32E-03
3964	483363.09	3853877.25	1.01E-02	2.83E-08	1.92E-05	1.47E-05	1.01E-02	4.75E-03	1.16E-02	1.44E-03	5.39E-04	1.84E-02	4.51E-03	2.32E-08	1.92E-05	1.47E-05	4.55E-03
3965	483863.09	3853877.25	9.72E-03	2.25E-08	2.31E-05	1.64E-05	9.76E-03	4.58E-03	9.25E-03	1.74E-03	6.00E-04	1.62E-02	4.36E-03	1.84E-08	2.31E-05	1.64E-05	4.40E-03
3966	484363.09	3853877.25	7.14E-03	1.65E-08	2.97E-05	1.23E-05	7.18E-03	3.37E-03	6.79E-03	2.22E-03	4.51E-04	1.28E-02	3.20E-03	1.35E-08	2.97E-05	1.23E-05	3.25E-03
3967	484863.09	3853877.25	3.04E-03	1.00E-08	3.16E-05	2.00E-05	3.09E-03	1.43E-03	4.12E-03	2.37E-03	7.33E-04	8.66E-03	1.36E-03	8.22E-09	3.16E-05	2.00E-05	1.41E-03
3968	485363.09	3853877.25	1.42E-03	6.26E-09	3.19E-05	1.80E-05	1.47E-03	6.68E-04	2.58E-03	2.39E-03	6.62E-04	6.30E-03	6.36E-04	5.14E-09	3.19E-05	1.80E-05	6.86E-04
3969	485863.09	3853877.25	1.38E-03	6.46E-09	3.42E-05	1.79E-05	1.43E-03	6.51E-04	2.66E-03	2.57E-03	6.57E-04	6.54E-03	6.19E-04	5.30E-09	3.42E-05	1.79E-05	6.71E-04
3970	486363.09	3853877.25	1.20E-03	6.42E-09	4.53E-05	1.57E-05	1.26E-03	5.67E-04	2.65E-03	3.39E-03	5.75E-04	7.18E-03	5.39E-04	5.27E-09	4.53E-05	1.57E-05	6.00E-04
3971	486863.09	3853877.25	1.02E-03	6.31E-09	5.77E-05	1.26E-05	1.09E-03	4.81E-04	2.60E-03	4.33E-03	4.63E-04	7.87E-03	4.58E-04	5.18E-09	5.77E-05	1.26E-05	5.28E-04
3972	487363.09	3853877.25	1.02E-03	6.12E-09	5.48E-05	1.45E-05	1.09E-03	4.80E-04	2.52E-03	4.11E-03	5.32E-04	7.65E-03	4.57E-04	5.02E-09	5.48E-05	1.45E-05	5.26E-04
3973	487863.09	3853877.25	1.36E-03	6.88E-09	3.76E-05	1.76E-05	1.42E-03	6.43E-04	2.84E-03	2.82E-03	6.47E-04	6.94E-03	6.11E-04	5.65E-09	3.76E-05	1.76E-05	6.67E-04
3974	488363.09	3853877.25	1.37E-03	7.29E-09	2.33E-05	1.65E-05	1.41E-03	6.48E-04	3.00E-03	1.75E-03	6.06E-04	6.01E-03	6.16E-04	5.98E-09	2.33E-05	1.65E-05	6.56E-04
3975	488863.09	3853877.25	1.60E-03	7.29E-09	4.60E-05	1.94E-05	1.67E-03	7.55E-04	3.00E-03	3.45E-03	7.10E-04	7.92E-03	7.18E-04	5.98E-09	4.60E-05	1.94E-05	7.83E-04
3976	489363.09	3853877.25	1.64E-03	6.56E-09	4.92E-05	1.66E-05	1.71E-03	7.74E-04	2.70E-03	3.69E-03	6.09E-04	7.78E-03	7.36E-04	5.38E-09	4.92E-05	1.66E-05	8.02E-04
3977	489863.09	3853877.25	1.70E-03	7.08E-09	5.33E-05	1.63E-05	1.77E-03	8.01E-04	2.92E-03	4.00E-03	5.98E-04	8.31E-03	7.61E-04	5.81E-09	5.33E-05	1.63E-05	8.31E-04
3978	490363.09	3853877.25	1.72E-03	7.05E-09	4.63E-05	1.43E-05	1.78E-03	8.10E-04	2.90E-03	3.47E-03	5.23E-04	7.71E-03	7.70E-04	5.78E-09	4.63E-05	1.43E-05	8.31E-04
3979	490863.09	3853877.25	1.69E-03	6.83E-09	4.06E-05	1.31E-05	1.74E-03	7.95E-04	2.81E-03	3.04E-03	4.82E-04	7.13E-03	7.56E-04	5.61E-09	4.06E-05	1.31E-05	8.09E-04
3980	491363.09	3853877.25	1.70E-03	6.58E-09	5.24E-05	1.29E-05	1.76E-03	8.01E-04	2.71E-03	3.93E-03	4.73E-04	7.92E-03	7.62E-04	5.40E-09	5.24E-05	1.29E-05	8.27E-04
3981	491863.09	3853877.25	1.68E-03	7.01E-09	7.19E-05	1.34E-05	1.77E-03	7.93E-04	2.89E-03	5.39E-03	4.92E-04	9.56E-03	7.54E-04	5.75E-09	7.19E-05	1.34E-05	8.40E-04
3982	492363.09	3853877.25	1.76E-03	7.38E-09	8.41E-05	1.29E-05	1.86E-03	8.29E-04	3.04E-03	6.31E-03	4.72E-04	1.07E-02	7.89E-04	6.05E-09	8.41E-05	1.29E-05	8.86E-04
3983	492863.09	3853877.25	1.80E-03	7.76E-09	7.54E-05	1.36E-05	1.89E-03	8.50E-04	3.20E-03	5.66E-03	5.00E-04	1.02E-02	8.09E-04	6.37E-09	7.54E-05	1.36E-05	8.98E-04
3984	493363.09	3853877.25	1.75E-03	7.80E-09	4.69E-05	1.31E-05	1.81E-03	8.25E-04	3.21E-03	3.52E-03	4.81E-04	8.04E-03	7.84E-04	6.40E-09	4.69E-05	1.31E-05	8.44E-04
3985	493863.09	3853877.25	1.66E-03	7.48E-09	4.26E-05	1.33E-05	1.72E-03	7.85E-04	3.08E-03	3.20E-03	4.86E-04	7.55E-03	7.46E-04	6.14E-09	4.26E-05	1.33E-05	8.02E-04
3986	494363.09	3853877.25	1.61E-03	7.35E-09	4.71E-05	1.34E-05	1.67E-03	7.60E-04	3.03E-03	3.53E-03	4.90E-04	7.81E-03	7.23E-04	6.03E-09	4.71E-05	1.34E-05	7.84E-04
3987	494863.09	3853877.25	1.51E-03	6.87E-09	7.94E-05	1.29E-05	1.61E-03	7.13E-04	2.83E-03	5.95E-03	4.74E-04	9.97E-03	6.78E-04	5.64E-09	7.94E-05	1.29E-05	7.71E-04
3988	495363.09	3853877.25	1.20E-03	6.05E-09	4.61E-05	1.18E-05	1.26E-03	5.66E-04	2.49E-03	3.46E-03	4.32E-04	6.95E-03	5.38E-04	4.96E-09	4.61E-05	1.18E-05	5.96E-04
3989	495863.09	3853877.25	1.00E-03	5.31E-09	3.97E-05	1.07E-05	1.05E-03	4.73E-04	2.19E-03	2.97E-03	3.94E-04	6.03E-03	4.50E-04	4.36E-09	3.97E-05	1.07E-05	5.00E-04
3990	496363.09	3853877.25	8.94E-04	5.12E-09	4.22E-05	1.04E-05	9.47E-04	4.22E-04	2.11E-03	3.17E-03	3.81E-04	6.08E-03	4.01E-04	4.20E-09	4.22E-05	1.04E-05	4.54E-04
3991	496863.09	3853877.25	7.35E-04	4.72E-09	4.27E-05	9.80E-06	7.87E-04	3.47E-04	1.95E-03	3.20E-03	3.59E-04	5.85E-03	3.30E-04	3.88E-09	4.27E-05	9.80E-06	3.82E-04
3992	497363.09	3853877.25	6.25E-04	4.27E-09	3.28E-05	9.20E-06	6.67E-04	2.95E-04	1.76E-03	2.46E-03	3.37E-04	4.85E-03	2.80E-04	3.51E-09	3.28E-05	9.20E-06	3.22E-04
3993	497863.09	3853877.25	5.01E-04	3.49E-09	3.49E-05	8.48E-06	5.45E-04	2.36E-04	1.44E-03	2.62E-03	3.11E-04	4.61E-03	2.25E-04	2.86E-09	3.49E-05	8.48E-06	2.68E-04
3994	498363.09	3853877.25	4.21E-04	3.18E-09	3.17E-05	7.24E-06	4.60E-04	1.99E-04	1.31E-03	2.38E-03	2.65E-04	4.15E-03	1.89E-04	2.61E-09	3.17E-05	7.24E-06	2.28E-04
3995	471363.09	3854377.25	7.64E-04	6.49E-09	2.50E-05	8.67E-06	7.98E-04	3.61E-04	2.67E-03	1.87E-03	3.18E-04	5.22E-03	3.43E-04	5.33E-09	2.50E-05	8.67E-06	3.76E-04
3996	471863.09	3854377.25	8.26E-04	6.65E-09	2.84E-05	9.25E-06	8.64E-04	3.90E-04	2.74E-03	2.13E-03	3.39E-04	5.60E-03	3.71E-04	5.45E-09	2.84E-05	9.25E-06	4.08E-04
3997	472363.09	3854377.25	8.54E-04	7.05E-09	2.92E-05	9.93E-06	8.93E-04	4.03E-04	2.91E-03	2.19E-03	3.64E-04	5.86E-03	3.83E-04	5.79E-09	2.92E-05	9.93E-06	4.22E-04
3998	472863.09	3854377.25	9.48E-04	7.12E-09	3.00E-05	1.09E-05	9.89E-04	4.47E-04	2.93E-03	2.25E-03	4.00E-04	6.02E-03	4.25E-04	5.84E-09	3.00E-05	1.09E-05	4.66E-04
3999	473363.09	3854377.25	1.07E-03	7.78E-09	3.35E-05	1.13E-05	1.11E-03	5.03E-04	3.21E-03	2.51E-03	4.14E-04	6.63E-03	4.79E-04	6.39E-09	3.35E-05	1.13E-05	5.23E-04
4000	473863.09	3854377.25	1.12E-03	7.79E-09	3.17E-05	1.17E-05	1.16E-03	5.29E-04	3.21E-03	2.38E-03	4.30E-04	6.55E-03	5.03E-04	6.39E-09	3.17E-05	1.17E-05	5.46E-04
4001	474363.09	3854377.25	1.25E-03	7.78E-09	3.00E-05	1.23E-05	1.29E-03	5.88E-04	3.21E-03	2.25E-03	4.52E-04	6.50E-03	5.59E-04	6.39E-09	3.00E-05	1.23E-05	6.01E-04
4002	474863.09	3854377.25	1.17E-03	7.57E-09	3.15E-05	1.23E-05	1.21E-03	5.51E-04	3.12E-03	2.36E-03	4.50E-04	6.48E-03	5.24E-04	6.21E-09	3.15E-05	1.23E-05	5.68E-04
4003	475363.09	3854377.25	9.89E-04	6.54E-09	3.26E-05	1.26E-05	1.03E-03	4.67E-04	2.69E-03	2.45E-03	4.64E-04	6.07E-03	4.44E-04	5.37E-09	3.26E-05	1.26E-05	4.89E-04
4004	475863.09	3854377.25	5.70E-04	5.90E-09	2.72E-05	1.11E-05	6.09E-04	2.69E-04	2.43E-03	2.04E-03	4.05E-04	5.14E-03	2.56E-04	4.84E-09	2.72E-05	1.11E-05	2.94E-04
4005	476363.09	3854377.25	5.42E-04	5.71E-09	3.00E-05	1.06E-05	5.82E-04	2.55E-04	2.35E-03	2.25E-03	3.89E-04	5.25E-03	2.43E-04	4.69E-09	3.00E-05	1.06E-05	2.84E-04
4006	476863.09	3854377.25	5.46E-04	6.05E-09	3.29E-05	1.08E-05	5.90E-04	2.58E-04	2.49E-03	2.47E-03	3.98E-04	5.61E-03	2.45E-04	4.96E-09	3.29E-05	1.08E-05	2.89E-04
4007	477363.09	3854377.25	5.57E-04	6.08E-09	3.16E-05	1.10E-05	6.00E-04	2.63E-04	2.50E-03	2.37E-03	4.02E-04	5.54E-03	2.50E-04	4.99E-09	3.16E-05	1.10E-05	2.92E-04
4008	477863.09	3854377.25	5.83E-04	6.46E-09	2.96E-05	1.09E-05	6.23E-04	2.75E-04	2.66E-03	2.22E-03	4.00E-04	5.56E-03	2.61E-04	5.30E-09	2.96E-05	1.09E-05	3.02E-04
4009	478363.09	3854377.25	6.52E-04	7.91E-09	2.95E-05	1.09E-05	6.92E-04	3.07E-04	3.26E-03	2.21E-03	3.99E-04	6.18E-03	2.92E-04	6.49E-09	2.95E-05	1.09E-05	3.33E-04
4010	478863.09	3854377.25	7.10E-04	8.81E-09	2.49E-05	1.19E-05	7.46E-04	3.35E-04	3.63E-03	1.87E-03	4.35E-04	6.26E-03	3.18E-04	7.23E-09	2.49E-05	1.19E-05	3.55E-04
4011	479363.09	3854377.25	1.01E-03	1.20E-08	2.60E-05	1.08E-05	1.05E-03	4.76E-04	4.96E-03	1.95E-03	3.97E-04	7.79E-03	4.53E-04	9.88E-09	2.60E-05	1.08E-05	4.90E-04
4012	479863.09	3854377.25	1.53E-03	1.47E-08	2.50E-05	1.30E-05	1.57E-03	7.23E-04	6.07E-03	1.87E-03	4.78E-04	9.15E-03	6.88E-04	1.21E-08	2.50E-05	1.30E-05	7.26E-04
4013	480363.09	3854377.25	1.95E-03	1.50E-08	1.89E-05	1.42E-05	1.99E-03	9.22E-04	6.17E-03	1.41E-03	5.21E-04	9.03E-03	8.76E-04	1.23E-08	1.89E-05	1.42E-05	9.10E-04
4014	480863.09	3854377.25	3.16E-03	1.99E-08	1.44E-05	1.39E-05	3.18E-03	1.49E-03	8.21E-03	1.08E-03	5.10E-04	1.13E-02	1.42E-03	1.63E-08	1.44E-05	1.39E-05	1.44E-03
4015	481363.09	3854377.25	4.20E-03	2.93E-08	1.78E-05	1.57E-05	4.24E-03	1.98E-03	1.21E-02	1.33E-03	5.77E-04	1.60E-02	1.89E-03	2.41E-08	1.78E-05	1.57E-05	1.92E-03
4016	481863.09	3854377.25	4.93E-03	7.69E-08	2.50E-05	1.46E-05	4.97E-03	2.33E-03	3.17E-02	1.87E-03	5.35E-04	3.64E-02	2.21E-03	6.31E-08	2.50E-05	1.46E-05	2.25E-03
4017	482363.09	3854377.25	6.76E-03	8.91E-08	2.35E-05	1.68E-05	6.80E-03	3.19E-03	3.67E-02	1.76E-03	6.17E-04	4.23E-02	3.03E-03	7.31E-08	2.35E-05	1.68E-05	3.07E-03
4018	482863.09	3854377.25	7.89E-03	4.95E-08	1.62E-05	2.91E-05	7.93E-03	3.72E-03	2.04E-02	1.22E-03	1.07E-03	2.64E-02	3.54E-03	4.06E-08	1.62E-05	2.91E-05	3.58E-03
4019	483363.09	3854377.25	1.05E-02	3.42E-08	2.16E-05	1.88E-05	1.05E-02	4.93E-03	1.41E-02	1.62E-03	6.88E-04	2.13E-02	4.69E-03	2.81E-08	2.16E-05	1.88E-05	4.73E-03
4020	483863.09	3854377.25	1.45E-02	2.22E-08	2.18E-05	1.98E-05	1.46E-02	6.85E-03	9.16E-03	1.63E-03	7.25E-04	1.84E-02	6.51E-03	1.82E-08	2.18E-05	1.98E-05	6.55E-03
4021	484363.09	3854377.25	6.52E-03	1.46E-08	2.51E-05	2.85E-05	6.58E-03	3.08E-03	6.03E-03	1.89E-03	1.05E-03	1.20E-02	2.93E-03	1.20E-08	2.51E-05	2.85E-05	2.98E-03
4022	484863.09	3854377.25	2.98E-03	8.74E-09	3.15E-05	2.60E-05	3.04E-03	1.40E-03	3.60E-03	2.36E-03	9.55E-04	8.32E-03	1.34E-03	7.17E-09	3.15E-05	2.60E-05	1.39E-03

4023	485363.09	3854377.25	2.96E-03	9.48E-09	3.66E-05	2.53E-05	3.02E-03	1.39E-03	3.91E-03	2.75E-03	9.27E-04	8.98E-03	1.33E-03	7.78E-09	3.66E-05	2.53E-05	1.39E-03
4024	485863.09	3854377.25	1.83E-03	8.03E-09	3.54E-05	2.59E-05	1.89E-03	8.62E-04	3.31E-03	2.65E-03	9.50E-04	7.77E-03	8.19E-04	6.59E-09	3.54E-05	2.59E-05	8.81E-04
4025	486363.09	3854377.25	1.86E-03	8.94E-09	3.72E-05	2.18E-05	1.92E-03	8.77E-04	3.68E-03	2.79E-03	7.99E-04	8.15E-03	8.34E-04	7.33E-09	3.72E-05	2.18E-05	8.93E-04
4026	486863.09	3854377.25	1.84E-03	8.50E-09	7.66E-05	2.19E-05	1.94E-03	8.68E-04	3.50E-03	5.74E-03	8.03E-04	1.09E-02	8.26E-04	6.98E-09	7.66E-05	2.19E-05	9.24E-04
4027	487363.09	3854377.25	2.04E-03	8.24E-09	7.59E-05	2.70E-05	2.15E-03	9.64E-04	3.40E-03	5.69E-03	9.89E-04	1.10E-02	9.17E-04	6.77E-09	7.59E-05	2.70E-05	1.02E-03
4028	487863.09	3854377.25	2.38E-03	9.05E-09	4.18E-05	2.43E-05	2.45E-03	1.12E-03	3.73E-03	3.13E-03	8.90E-04	8.87E-03	1.07E-03	7.43E-09	4.18E-05	2.43E-05	1.13E-03
4029	488363.09	3854377.25	2.72E-03	9.94E-09	3.17E-05	2.42E-05	2.78E-03	1.28E-03	4.09E-03	2.38E-03	8.88E-04	8.65E-03	1.22E-03	8.15E-09	3.17E-05	2.42E-05	1.28E-03
4030	488863.09	3854377.25	2.86E-03	9.95E-09	4.48E-05	2.79E-05	2.93E-03	1.35E-03	4.10E-03	3.36E-03	1.02E-03	9.83E-03	1.28E-03	8.16E-09	4.48E-05	2.79E-05	1.35E-03
4031	489363.09	3854377.25	2.84E-03	9.67E-09	5.79E-05	2.22E-05	2.92E-03	1.34E-03	3.98E-03	4.35E-03	8.13E-04	1.05E-02	1.27E-03	7.94E-09	5.79E-05	2.22E-05	1.35E-03
4032	489863.09	3854377.25	2.75E-03	9.79E-09	5.69E-05	1.81E-05	2.82E-03	1.30E-03	4.03E-03	4.27E-03	6.65E-04	1.03E-02	1.23E-03	8.03E-09	5.69E-05	1.81E-05	1.31E-03
4033	490363.09	3854377.25	2.55E-03	9.10E-09	5.59E-05	1.62E-05	2.62E-03	1.20E-03	3.75E-03	4.19E-03	5.92E-04	9.74E-03	1.14E-03	7.47E-09	5.59E-05	1.62E-05	1.22E-03
4034	490863.09	3854377.25	1.97E-03	7.41E-09	5.93E-05	1.44E-05	2.04E-03	9.27E-04	3.05E-03	4.45E-03	5.28E-04	8.96E-03	8.81E-04	6.08E-09	5.93E-05	1.44E-05	9.55E-04
4035	491363.09	3854377.25	2.23E-03	9.31E-09	7.93E-05	2.01E-05	2.33E-03	1.05E-03	3.84E-03	5.95E-03	7.35E-04	1.16E-02	1.00E-03	7.64E-09	7.93E-05	2.01E-05	1.10E-03
4036	491863.09	3854377.25	2.48E-03	9.68E-09	9.16E-05	1.68E-05	2.59E-03	1.17E-03	3.99E-03	6.87E-03	6.15E-04	1.26E-02	1.11E-03	7.94E-09	9.16E-05	1.68E-05	1.22E-03
4037	492363.09	3854377.25	2.52E-03	1.06E-08	7.96E-05	1.78E-05	2.62E-03	1.19E-03	4.37E-03	5.97E-03	6.51E-04	1.22E-02	1.13E-03	8.70E-09	7.96E-05	1.78E-05	1.23E-03
4038	492863.09	3854377.25	2.45E-03	1.05E-08	5.03E-05	1.76E-05	2.52E-03	1.15E-03	4.32E-03	3.77E-03	6.47E-04	9.89E-03	1.10E-03	8.61E-09	5.03E-05	1.76E-05	1.17E-03
4039	493363.09	3854377.25	2.26E-03	9.76E-09	4.94E-05	1.77E-05	2.33E-03	1.07E-03	4.02E-03	3.71E-03	6.49E-04	9.44E-03	1.01E-03	8.01E-09	4.94E-05	1.77E-05	1.08E-03
4040	493863.09	3854377.25	2.11E-03	8.84E-09	8.71E-05	1.80E-05	2.22E-03	9.97E-04	3.64E-03	6.53E-03	6.60E-04	1.18E-02	9.48E-04	7.26E-09	8.71E-05	1.80E-05	1.05E-03
4041	494363.09	3854377.25	1.94E-03	8.41E-09	1.19E-04	1.50E-05	2.08E-03	9.16E-04	3.46E-03	8.96E-03	5.50E-04	1.39E-02	8.71E-04	6.90E-09	1.19E-04	1.50E-05	1.01E-03
4042	494863.09	3854377.25	1.41E-03	6.85E-09	6.35E-05	1.24E-05	1.49E-03	6.67E-04	2.82E-03	4.76E-03	4.55E-04	8.71E-03	6.34E-04	5.62E-09	6.35E-05	1.24E-05	7.10E-04
4043	495363.09	3854377.25	1.02E-03	5.55E-09	4.62E-05	1.13E-05	1.08E-03	4.81E-04	2.29E-03	3.46E-03	4.14E-04	6.65E-03	4.57E-04	4.56E-09	4.62E-05	1.13E-05	5.15E-04
4044	495863.09	3854377.25	8.20E-04	5.10E-09	4.86E-05	1.07E-05	8.79E-04	3.87E-04	2.10E-03	3.65E-03	3.91E-04	6.52E-03	3.68E-04	4.18E-09	4.86E-05	1.07E-05	4.27E-04
4045	496363.09	3854377.25	7.38E-04	4.82E-09	4.22E-05	9.69E-06	7.90E-04	3.48E-04	1.99E-03	3.17E-03	3.55E-04	5.86E-03	3.31E-04	3.96E-09	4.22E-05	9.69E-06	3.83E-04
4046	496863.09	3854377.25	6.47E-04	4.42E-09	4.14E-05	9.91E-06	6.99E-04	3.05E-04	1.82E-03	3.11E-03	3.63E-04	5.60E-03	2.90E-04	3.62E-09	4.14E-05	9.91E-06	3.42E-04
4047	497363.09	3854377.25	5.16E-04	3.74E-09	3.67E-05	8.12E-06	5.60E-04	2.43E-04	1.54E-03	2.75E-03	2.98E-04	4.83E-03	2.31E-04	3.07E-09	3.67E-05	8.12E-06	2.76E-04
4048	497863.09	3854377.25	5.16E-04	3.87E-09	3.74E-05	8.09E-06	5.61E-04	2.43E-04	1.59E-03	2.80E-03	2.96E-04	4.94E-03	2.31E-04	3.17E-09	3.74E-05	8.09E-06	2.77E-04
4049	498363.09	3854377.25	4.47E-04	3.51E-09	3.61E-05	7.79E-06	4.91E-04	2.11E-04	1.44E-03	2.71E-03	2.86E-04	4.65E-03	2.01E-04	2.88E-09	3.61E-05	7.79E-06	2.44E-04
4050	471363.09	3854877.25	9.20E-04	6.45E-09	1.75E-05	8.82E-06	9.46E-04	4.34E-04	2.66E-03	1.31E-03	3.23E-04	4.72E-03	4.13E-04	5.29E-09	1.75E-05	8.82E-06	4.39E-04
4051	471863.09	3854877.25	9.65E-04	6.76E-09	2.15E-05	9.26E-06	9.96E-04	4.55E-04	2.78E-03	1.61E-03	3.39E-04	5.19E-03	4.33E-04	5.55E-09	2.15E-05	9.26E-06	4.64E-04
4052	472363.09	3854877.25	1.01E-03	7.12E-09	2.67E-05	9.66E-06	1.04E-03	4.74E-04	2.93E-03	2.00E-03	3.54E-04	5.76E-03	4.51E-04	5.84E-09	2.67E-05	9.66E-06	4.87E-04
4053	472863.09	3854877.25	9.95E-04	7.18E-09	2.66E-05	1.00E-05	1.03E-03	4.69E-04	2.96E-03	1.99E-03	3.67E-04	5.79E-03	4.46E-04	5.90E-09	2.66E-05	1.00E-05	4.83E-04
4054	473363.09	3854877.25	1.06E-03	7.63E-09	2.77E-05	1.04E-05	1.10E-03	5.00E-04	3.14E-03	2.08E-03	3.80E-04	6.10E-03	4.76E-04	6.26E-09	2.77E-05	1.04E-05	5.14E-04
4055	473863.09	3854877.25	1.12E-03	7.99E-09	3.14E-05	1.08E-05	1.16E-03	5.29E-04	3.29E-03	2.35E-03	3.98E-04	6.57E-03	5.03E-04	6.56E-09	3.14E-05	1.08E-05	5.45E-04
4056	474363.09	3854877.25	1.23E-03	8.90E-09	3.29E-05	1.14E-05	1.27E-03	5.79E-04	3.67E-03	2.47E-03	4.19E-04	7.13E-03	5.51E-04	7.31E-09	3.29E-05	1.14E-05	5.95E-04
4057	474863.09	3854877.25	1.03E-03	7.50E-09	3.27E-05	1.17E-05	1.07E-03	4.84E-04	3.09E-03	2.45E-03	4.28E-04	6.45E-03	4.60E-04	6.15E-09	3.27E-05	1.17E-05	5.04E-04
4058	475363.09	3854877.25	6.11E-04	6.71E-09	3.67E-05	1.12E-05	6.59E-04	2.88E-04	2.76E-03	2.76E-03	4.12E-04	6.22E-03	2.74E-04	5.50E-09	3.67E-05	1.12E-05	3.22E-04
4059	475863.09	3854877.25	4.56E-04	5.71E-09	3.21E-05	1.08E-05	4.99E-04	2.15E-04	2.35E-03	2.41E-03	3.96E-04	5.37E-03	2.04E-04	4.68E-09	3.21E-05	1.08E-05	2.47E-04
4060	476363.09	3854877.25	3.88E-04	4.77E-09	2.73E-05	1.07E-05	4.26E-04	1.83E-04	1.96E-03	2.05E-03	3.94E-04	4.59E-03	1.74E-04	3.91E-09	2.73E-05	1.07E-05	2.12E-04
4061	476863.09	3854877.25	4.01E-04	5.18E-09	2.45E-05	1.11E-05	4.37E-04	1.89E-04	2.13E-03	1.84E-03	4.06E-04	4.57E-03	1.80E-04	4.25E-09	2.45E-05	1.11E-05	2.15E-04
4062	477363.09	3854877.25	4.20E-04	5.31E-09	2.90E-05	1.11E-05	4.61E-04	1.98E-04	2.19E-03	2.18E-03	4.08E-04	4.97E-03	1.89E-04	4.36E-09	2.90E-05	1.11E-05	2.29E-04
4063	477863.09	3854877.25	4.77E-04	6.20E-09	3.47E-05	1.12E-05	5.23E-04	2.25E-04	2.56E-03	2.60E-03	4.11E-04	5.80E-03	2.14E-04	5.09E-09	3.47E-05	1.12E-05	2.60E-04
4064	478363.09	3854877.25	5.94E-04	7.78E-09	3.67E-05	1.20E-05	6.42E-04	2.80E-04	3.20E-03	2.76E-03	4.39E-04	6.68E-03	2.66E-04	6.38E-09	3.67E-05	1.20E-05	3.15E-04
4065	478863.09	3854877.25	8.87E-04	9.36E-09	3.58E-05	1.25E-05	9.36E-04	4.19E-04	3.86E-03	2.69E-03	4.57E-04	7.42E-03	3.98E-04	7.68E-09	3.58E-05	1.25E-05	4.46E-04
4066	479363.09	3854877.25	1.38E-03	1.20E-08	4.05E-05	1.27E-05	1.44E-03	6.53E-04	4.96E-03	3.04E-03	4.64E-04	9.11E-03	6.21E-04	9.88E-09	4.05E-05	1.27E-05	6.74E-04
4067	479863.09	3854877.25	2.24E-03	1.59E-08	3.86E-05	1.60E-05	2.30E-03	1.06E-03	6.54E-03	2.90E-03	5.88E-04	1.11E-02	1.01E-03	1.30E-08	3.86E-05	1.60E-05	1.06E-03
4068	480363.09	3854877.25	2.95E-03	2.06E-08	3.61E-05	2.19E-05	3.00E-03	1.39E-03	8.49E-03	2.71E-03	8.02E-04	1.34E-02	1.32E-03	1.69E-08	3.61E-05	2.19E-05	1.38E-03
4069	480863.09	3854877.25	3.99E-03	2.84E-08	3.14E-05	1.76E-05	4.04E-03	1.88E-03	1.17E-02	2.35E-03	6.47E-04	1.66E-02	1.79E-03	2.33E-08	3.14E-05	1.76E-05	1.84E-03
4070	481363.09	3854877.25	4.59E-03	3.49E-08	2.57E-05	1.61E-05	4.63E-03	2.17E-03	1.44E-02	1.93E-03	5.89E-04	1.90E-02	2.06E-03	2.86E-08	2.57E-05	1.61E-05	2.10E-03
4071	481863.09	3854877.25	4.52E-03	2.96E-08	1.61E-05	1.79E-05	4.55E-03	2.13E-03	1.22E-02	1.20E-03	6.56E-04	1.62E-02	2.02E-03	2.43E-08	1.61E-05	1.79E-05	2.06E-03
4072	482363.09	3854877.25	5.55E-03	1.06E-07	2.48E-05	2.22E-05	5.59E-03	2.62E-03	4.37E-02	1.86E-03	8.16E-04	4.90E-02	2.49E-03	8.70E-08	2.48E-05	2.22E-05	2.53E-03
4073	482863.09	3854877.25	7.35E-03	1.15E-07	2.48E-05	4.37E-05	7.42E-03	3.47E-03	4.74E-02	1.86E-03	1.60E-03	5.44E-02	3.30E-03	9.45E-08	2.48E-05	4.37E-05	3.37E-03
4074	483363.09	3854877.25	1.07E-02	6.17E-08	1.95E-05	5.50E-05	1.08E-02	5.05E-03	2.54E-02	1.46E-03	2.02E-03	3.39E-02	4.80E-03	5.06E-08	1.95E-05	5.50E-05	4.88E-03
4075	483863.09	3854877.25	1.79E-02	3.65E-08	2.15E-05	4.07E-05	1.80E-02	8.44E-03	1.50E-02	1.61E-03	1.49E-03	2.66E-02	8.03E-03	2.99E-08	2.15E-05	4.07E-05	8.09E-03
4076	484363.09	3854877.25	1.98E-02	2.24E-08	2.47E-05	3.15E-05	1.99E-02	9.35E-03	9.24E-03	1.85E-03	1.15E-03	2.16E-02	8.89E-03	1.84E-08	2.47E-05	3.15E-05	8.94E-03
4077	484863.09	3854877.25	1.06E-02	1.82E-08	2.78E-05	2.84E-05	1.07E-02	5.01E-03	7.48E-03	2.08E-03	1.04E-03	1.56E-02	4.76E-03	1.49E-08	2.78E-05	2.84E-05	4.82E-03
4078	485363.09	3854877.25	6.45E-03	1.54E-08	3.36E-05	3.34E-05	6.52E-03	3.04E-03	6.33E-03	2.52E-03	1.22E-03	1.31E-02	2.89E-03	1.26E-08	3.36E-05	3.34E-05	2.96E-03
4079	485863.09	3854877.25	5.00E-03	1.28E-08	4.41E-05	3.57E-05	5.08E-03	2.36E-03	5.26E-03	3.31E-03	1.31E-03	1.22E-02	2.24E-03	1.05E-08	4.41E-05	3.57E-05	2.32E-03
4080	486363.09	3854877.25	4.00E-03	1.25E-08	3.95E-05	3.62E-05	4.07E-03	1.89E-03	5.14E-03	2.96E-03	1.33E-03	1.13E-02	1.79E-03	1.02E-08	3.95E-05	3.62E-05	1.87E-03
4081	486863.09	3854877.25	3.69E-03	1.25E-08	6.31E-05	3.35E-05	3.78E-03	1.74E-03	5.14E-03	4.73E-03	1.23E-03	1.28E-02	1.65E-03	1.02E-08	6.31E-05	3.35E-05	1.75E-03
4082	487363.09	3854877.25	4.03E-03	1.21E-08	9.83E-05	4.14E-05	4.17E-03	1.90E-03	5.00E-03	7.38E-03	1.52E-03	1.58E-02	1.81E-03	9.96E-09	9.83E-05	4.14E-05	1.95E-03
4083	487863.09	3854877.25	4.44E-03	1.25E-08	5.32E-05	3.19E-05	4.52E-03	2.09E-03	5.14E-03	3.99E-03	1.17E-03	1.24E-02	1.99E-03	1.02E-08	5.32E-05	3.19E-05	2.08E-03

4084	488363.09	3854877.25	4.70E-03	1.28E-08	4.49E-05	2.82E-05	4.78E-03	2.22E-03	5.27E-03	3.37E-03	1.03E-03	1.19E-02	2.11E-03	1.05E-08	4.49E-05	2.82E-05	2.18E-03
4085	488863.09	3854877.25	4.90E-03	1.36E-08	5.43E-05	2.81E-05	4.98E-03	2.31E-03	5.59E-03	4.07E-03	1.03E-03	1.30E-02	2.20E-03	1.11E-08	5.43E-05	2.81E-05	2.28E-03
4086	489363.09	3854877.25	4.79E-03	1.37E-08	8.69E-05	2.80E-05	4.91E-03	2.26E-03	5.66E-03	6.52E-03	1.03E-03	1.55E-02	2.15E-03	1.13E-08	8.69E-05	2.80E-05	2.27E-03
4087	489863.09	3854877.25	4.20E-03	1.32E-08	5.45E-05	2.41E-05	4.28E-03	1.98E-03	5.42E-03	4.09E-03	8.83E-04	1.24E-02	1.88E-03	1.08E-08	5.45E-05	2.41E-05	1.96E-03
4088	490363.09	3854877.25	2.55E-03	9.44E-09	6.00E-05	1.88E-05	2.63E-03	1.20E-03	3.89E-03	4.50E-03	6.91E-04	1.03E-02	1.14E-03	7.75E-09	6.00E-05	1.88E-05	1.22E-03
4089	490863.09	3854877.25	1.62E-03	7.79E-09	7.84E-05	1.39E-05	1.71E-03	7.65E-04	3.21E-03	5.88E-03	5.10E-04	1.04E-02	7.27E-04	6.39E-09	7.84E-05	1.39E-05	8.20E-04
4090	491363.09	3854877.25	1.83E-03	8.21E-09	9.99E-05	1.53E-05	1.95E-03	8.64E-04	3.38E-03	7.49E-03	5.60E-04	1.23E-02	8.22E-04	6.74E-09	9.99E-05	1.53E-05	9.37E-04
4091	491863.09	3854877.25	3.31E-03	1.28E-08	8.34E-05	2.21E-05	3.41E-03	1.56E-03	5.26E-03	6.26E-03	8.10E-04	1.39E-02	1.48E-03	1.05E-08	8.34E-05	2.21E-05	1.59E-03
4092	492363.09	3854877.25	3.24E-03	1.34E-08	6.49E-05	2.09E-05	3.33E-03	1.53E-03	5.51E-03	4.87E-03	7.66E-04	1.27E-02	1.45E-03	1.10E-08	6.49E-05	2.09E-05	1.54E-03
4093	492863.09	3854877.25	3.01E-03	1.26E-08	7.17E-05	2.17E-05	3.10E-03	1.42E-03	5.18E-03	5.37E-03	7.96E-04	1.28E-02	1.35E-03	1.03E-08	7.17E-05	2.17E-05	1.44E-03
4094	493363.09	3854877.25	2.69E-03	1.15E-08	1.63E-04	1.95E-05	2.87E-03	1.27E-03	4.74E-03	1.22E-02	7.16E-04	1.90E-02	1.20E-03	9.44E-09	1.63E-04	1.95E-05	1.39E-03
4095	493863.09	3854877.25	2.47E-03	1.07E-08	1.30E-04	1.90E-05	2.62E-03	1.17E-03	4.39E-03	9.71E-03	6.98E-04	1.60E-02	1.11E-03	8.75E-09	1.30E-04	1.90E-05	1.26E-03
4096	494363.09	3854877.25	1.66E-03	7.68E-09	9.30E-05	1.44E-05	1.77E-03	7.83E-04	3.16E-03	6.97E-03	5.29E-04	1.15E-02	7.45E-04	6.30E-09	9.30E-05	1.44E-05	8.52E-04
4097	494863.09	3854877.25	1.10E-03	5.96E-09	5.23E-05	1.15E-05	1.16E-03	5.19E-04	2.46E-03	3.92E-03	4.21E-04	7.32E-03	4.93E-04	4.89E-09	5.23E-05	1.15E-05	5.57E-04
4098	495363.09	3854877.25	8.51E-04	5.16E-09	4.57E-05	1.06E-05	9.08E-04	4.02E-04	2.13E-03	3.43E-03	3.87E-04	6.35E-03	3.82E-04	4.24E-09	4.57E-05	1.06E-05	4.38E-04
4099	495863.09	3854877.25	7.03E-04	4.61E-09	4.29E-05	9.81E-06	7.56E-04	3.31E-04	1.90E-03	3.22E-03	3.60E-04	5.81E-03	3.15E-04	3.78E-09	4.29E-05	9.81E-06	3.68E-04
4100	496363.09	3854877.25	5.50E-04	4.11E-09	4.06E-05	8.40E-06	5.99E-04	2.59E-04	1.69E-03	3.05E-03	3.08E-04	5.31E-03	2.47E-04	3.38E-09	4.06E-05	8.40E-06	2.96E-04
4101	496863.09	3854877.25	4.75E-04	3.76E-09	3.87E-05	8.02E-06	5.22E-04	2.24E-04	1.55E-03	2.90E-03	2.94E-04	4.97E-03	2.13E-04	3.09E-09	3.87E-05	8.02E-06	2.60E-04
4102	497363.09	3854877.25	4.33E-04	3.61E-09	3.58E-05	7.56E-06	4.76E-04	2.04E-04	1.49E-03	2.68E-03	2.77E-04	4.65E-03	1.94E-04	2.96E-09	3.58E-05	7.56E-06	2.37E-04
4103	497863.09	3854877.25	4.70E-04	3.90E-09	3.89E-05	8.23E-06	5.17E-04	2.22E-04	1.61E-03	2.92E-03	3.02E-04	5.05E-03	2.11E-04	3.20E-09	3.89E-05	8.23E-06	2.58E-04
4104	498363.09	3854877.25	4.50E-04	3.81E-09	3.95E-05	7.90E-06	4.97E-04	2.12E-04	1.57E-03	2.96E-03	2.90E-04	5.03E-03	2.02E-04	3.13E-09	3.95E-05	7.90E-06	2.49E-04
4105	471363.09	3855377.25	9.54E-04	6.80E-09	1.70E-05	8.87E-06	9.80E-04	4.50E-04	2.80E-03	1.27E-03	3.25E-04	4.85E-03	4.28E-04	5.58E-09	1.70E-05	8.87E-06	4.54E-04
4106	471863.09	3855377.25	9.85E-04	7.13E-09	1.62E-05	9.00E-06	1.01E-03	4.65E-04	2.94E-03	1.21E-03	3.30E-04	4.94E-03	4.42E-04	5.85E-09	1.62E-05	9.00E-06	4.67E-04
4107	472363.09	3855377.25	1.09E-03	7.70E-09	1.56E-05	9.39E-06	1.12E-03	5.15E-04	3.17E-03	1.17E-03	3.44E-04	5.20E-03	4.90E-04	6.32E-09	1.56E-05	9.39E-06	5.15E-04
4108	472863.09	3855377.25	1.12E-03	7.64E-09	1.64E-05	9.44E-06	1.15E-03	5.30E-04	3.15E-03	1.23E-03	3.46E-04	5.26E-03	5.04E-04	6.27E-09	1.64E-05	9.44E-06	5.30E-04
4109	473363.09	3855377.25	1.23E-03	8.90E-09	1.80E-05	1.01E-05	1.25E-03	5.78E-04	3.67E-03	1.35E-03	3.70E-04	5.97E-03	5.50E-04	7.31E-09	1.80E-05	1.01E-05	5.78E-04
4110	473863.09	3855377.25	1.33E-03	9.04E-09	2.40E-05	1.06E-05	1.37E-03	6.29E-04	3.73E-03	1.80E-03	3.88E-04	6.55E-03	5.98E-04	7.42E-09	2.40E-05	1.06E-05	6.33E-04
4111	474363.09	3855377.25	1.39E-03	9.26E-09	3.12E-05	1.10E-05	1.43E-03	6.55E-04	3.81E-03	2.34E-03	4.02E-04	7.21E-03	6.23E-04	7.60E-09	3.12E-05	1.10E-05	6.65E-04
4112	474863.09	3855377.25	1.12E-03	7.54E-09	3.12E-05	1.00E-05	1.16E-03	5.26E-04	3.11E-03	2.34E-03	3.68E-04	6.34E-03	5.00E-04	6.19E-09	3.12E-05	1.00E-05	5.41E-04
4113	475363.09	3855377.25	4.11E-04	5.22E-09	2.79E-05	9.96E-06	4.49E-04	1.94E-04	2.15E-03	2.09E-03	3.65E-04	4.80E-03	1.84E-04	4.29E-09	2.79E-05	9.96E-06	2.22E-04
4114	475863.09	3855377.25	3.10E-04	4.85E-09	2.85E-05	1.03E-05	3.49E-04	1.46E-04	2.00E-03	2.14E-03	3.77E-04	4.66E-03	1.39E-04	3.98E-09	2.85E-05	1.03E-05	1.78E-04
4115	476363.09	3855377.25	3.56E-04	5.05E-09	2.97E-05	1.07E-05	3.96E-04	1.68E-04	2.08E-03	2.23E-03	3.91E-04	4.87E-03	1.59E-04	4.14E-09	2.97E-05	1.07E-05	2.00E-04
4116	476863.09	3855377.25	3.60E-04	5.13E-09	3.11E-05	1.11E-05	4.02E-04	1.70E-04	2.11E-03	2.33E-03	4.07E-04	5.02E-03	1.62E-04	4.21E-09	3.11E-05	1.11E-05	2.04E-04
4117	477363.09	3855377.25	3.85E-04	5.38E-09	3.41E-05	1.14E-05	4.31E-04	1.82E-04	2.22E-03	2.56E-03	4.18E-04	5.37E-03	1.73E-04	4.42E-09	3.41E-05	1.14E-05	2.18E-04
4118	477863.09	3855377.25	4.94E-04	6.46E-09	3.70E-05	1.21E-05	5.44E-04	2.33E-04	2.66E-03	2.77E-03	4.43E-04	6.11E-03	2.22E-04	5.30E-09	3.70E-05	1.21E-05	2.71E-04
4119	478363.09	3855377.25	6.21E-04	7.63E-09	3.89E-05	1.24E-05	6.72E-04	2.93E-04	3.14E-03	2.92E-03	4.56E-04	6.81E-03	2.79E-04	6.26E-09	3.89E-05	1.24E-05	3.30E-04
4120	478863.09	3855377.25	8.02E-04	8.95E-09	3.91E-05	1.31E-05	8.55E-04	3.78E-04	3.69E-03	2.94E-03	4.80E-04	7.48E-03	3.60E-04	7.35E-09	3.91E-05	1.31E-05	4.12E-04
4121	479363.09	3855377.25	1.19E-03	1.22E-08	4.18E-05	1.40E-05	1.24E-03	5.60E-04	5.03E-03	3.14E-03	5.12E-04	9.24E-03	5.32E-04	1.00E-08	4.18E-05	1.40E-05	5.88E-04
4122	479863.09	3855377.25	1.70E-03	1.43E-08	3.97E-05	1.75E-05	1.76E-03	8.02E-04	5.91E-03	2.98E-03	6.43E-04	1.03E-02	7.63E-04	1.18E-08	3.97E-05	1.75E-05	8.20E-04
4123	480363.09	3855377.25	3.12E-03	1.88E-08	4.76E-05	1.96E-05	3.19E-03	1.47E-03	7.73E-03	3.57E-03	7.18E-04	1.35E-02	1.40E-03	1.54E-08	4.76E-05	1.96E-05	1.47E-03
4124	480863.09	3855377.25	4.73E-03	2.86E-08	4.37E-05	2.30E-05	4.79E-03	2.23E-03	1.18E-02	3.27E-03	8.44E-04	1.81E-02	2.12E-03	2.34E-08	4.37E-05	2.30E-05	2.19E-03
4125	481363.09	3855377.25	6.13E-03	4.53E-08	4.55E-05	2.65E-05	6.20E-03	2.89E-03	1.87E-02	3.41E-03	9.70E-04	2.59E-02	2.75E-03	3.72E-08	4.55E-05	2.65E-05	2.82E-03
4126	481863.09	3855377.25	6.86E-03	7.91E-08	3.92E-05	2.93E-05	6.93E-03	3.23E-03	3.26E-02	2.94E-03	1.07E-03	3.98E-02	3.08E-03	6.49E-08	3.92E-05	2.93E-05	3.14E-03
4127	482363.09	3855377.25	7.40E-03	1.62E-07	3.43E-05	2.33E-05	7.45E-03	3.49E-03	6.67E-02	2.57E-03	8.56E-04	7.37E-02	3.32E-03	1.33E-07	3.43E-05	2.33E-05	3.37E-03
4128	482863.09	3855377.25	8.95E-03	2.66E-07	1.98E-05	5.34E-05	9.03E-03	4.22E-03	1.09E-01	1.49E-03	1.96E-03	1.17E-01	4.01E-03	2.18E-07	1.98E-05	5.34E-05	4.09E-03
4129	483363.09	3855377.25	1.10E-02	2.23E-07	2.88E-05	4.55E-05	1.10E-02	5.17E-03	9.17E-02	2.16E-03	1.67E-03	1.01E-01	4.91E-03	1.83E-07	2.88E-05	4.55E-05	4.99E-03
4130	483863.09	3855377.25	1.62E-02	1.14E-07	2.33E-05	2.91E-05	1.63E-02	7.64E-03	4.72E-02	1.75E-03	1.07E-03	5.76E-02	7.26E-03	9.39E-08	2.33E-05	2.91E-05	7.32E-03
4131	484363.09	3855377.25	4.17E-02	5.14E-08	2.22E-05	3.35E-05	4.17E-02	1.97E-02	2.12E-02	1.66E-03	1.23E-03	4.37E-02	1.87E-02	4.22E-08	2.22E-05	3.35E-05	1.87E-02
4132	484863.09	3855377.25	1.21E-01	3.87E-08	2.79E-05	3.28E-05	1.21E-01	5.70E-02	1.59E-02	2.09E-03	1.20E-03	7.62E-02	5.42E-02	3.17E-08	2.79E-05	3.28E-05	5.42E-02
4133	485363.09	3855377.25	4.47E-02	2.85E-08	3.09E-05	5.70E-05	4.48E-02	2.11E-02	1.18E-02	2.31E-03	2.09E-03	3.72E-02	2.00E-02	2.34E-08	3.09E-05	5.70E-05	2.01E-02
4134	485863.09	3855377.25	2.22E-02	2.36E-08	3.78E-05	5.57E-05	2.22E-02	1.04E-02	9.73E-03	2.83E-03	2.04E-03	2.51E-02	9.94E-03	1.94E-08	3.78E-05	5.57E-05	1.00E-02
4135	486363.09	3855377.25	1.26E-02	1.88E-08	4.50E-05	4.74E-05	1.27E-02	5.96E-03	7.73E-03	3.37E-03	1.74E-03	1.88E-02	5.67E-03	1.54E-08	4.50E-05	4.74E-05	5.76E-03
4136	486863.09	3855377.25	8.53E-03	1.68E-08	4.59E-05	4.47E-05	8.62E-03	4.02E-03	6.93E-03	3.44E-03	1.64E-03	1.60E-02	3.83E-03	1.38E-08	4.59E-05	4.47E-05	3.92E-03
4137	487363.09	3855377.25	8.46E-03	1.74E-08	1.10E-04	4.05E-05	8.61E-03	3.99E-03	7.18E-03	8.25E-03	1.49E-03	2.09E-02	3.79E-03	1.43E-08	1.10E-04	4.05E-05	3.94E-03
4138	487863.09	3855377.25	8.27E-03	1.77E-08	6.26E-05	3.13E-05	8.36E-03	3.90E-03	7.28E-03	4.69E-03	1.15E-03	1.70E-02	3.71E-03	1.45E-08	6.26E-05	3.13E-05	3.80E-03
4139	488363.09	3855377.25	7.81E-03	1.91E-08	6.08E-05	2.77E-05	7.89E-03	3.68E-03	7.86E-03	4.56E-03	1.01E-03	1.71E-02	3.50E-03	1.57E-08	6.08E-05	2.77E-05	3.59E-03
4140	488863.09	3855377.25	7.50E-03	1.91E-08	6.61E-05	2.81E-05	7.60E-03	3.54E-03	7.89E-03	4.96E-03	1.03E-03	1.74E-02	3.37E-03	1.57E-08	6.61E-05	2.81E-05	3.46E-03
4141	489363.09	3855377.25	6.90E-03	1.97E-08	8.60E-05	2.56E-05	7.02E-03	3.26E-03	8.12E-03	6.45E-03	9.39E-04	1.88E-02	3.10E-03	1.62E-08	8.60E-05	2.56E-05	3.21E-03
4142	489863.09	3855377.25	6.16E-03	1.83E-08	7.35E-05	2.71E-05	6.26E-03	2.91E-03	7.52E-03	5.51E-03	9.95E-04	1.69E-02	2.76E-03	1.50E-08	7.35E-05	2.71E-05	2.87E-03
4143	490363.09	3855377.25	5.83E-03	1.87E-08	9.70E-05	3.28E-05	5.96E-03	2.75E-03	7.72E-03	7.28E-03	1.20E-03	1.89E-02	2.62E-03	1.54E-08	9.70E-05	3.28E-05	2.75E-03
4144	490863.09	3855377.25	3.05E-03	1.07E-08	1.17E-04	2.11E-05	3.19E-03	1.44E-03	4.42E-03	8.74E-03	7.73E-04	1.54E-02	1.37E-03	8.81E-09	1.17E-04	2.11E-05	1.50E-03

4145	491363.09	3855377.25	2.29E-03	9.78E-09	6.37E-05	1.61E-05	2.37E-03	1.08E-03	4.03E-03	4.77E-03	5.90E-04	1.05E-02	1.03E-03	8.02E-09	6.37E-05	1.61E-05	1.11E-03
4146	491863.09	3855377.25	4.10E-03	1.56E-08	7.03E-05	2.14E-05	4.19E-03	1.93E-03	6.42E-03	5.27E-03	7.85E-04	1.44E-02	1.84E-03	1.28E-08	7.03E-05	2.14E-05	1.93E-03
4147	492363.09	3855377.25	3.89E-03	1.57E-08	1.52E-04	2.53E-05	4.07E-03	1.84E-03	6.45E-03	1.14E-02	9.28E-04	2.07E-02	1.75E-03	1.29E-08	1.52E-04	2.53E-05	1.92E-03
4148	492863.09	3855377.25	3.65E-03	1.44E-08	1.69E-04	2.37E-05	3.85E-03	1.72E-03	5.93E-03	1.27E-02	8.71E-04	2.12E-02	1.64E-03	1.18E-08	1.69E-04	2.37E-05	1.83E-03
4149	493363.09	3855377.25	3.04E-03	1.20E-08	1.18E-04	1.98E-05	3.17E-03	1.43E-03	4.93E-03	8.88E-03	7.27E-04	1.60E-02	1.36E-03	9.83E-09	1.18E-04	1.98E-05	1.50E-03
4150	493863.09	3855377.25	2.03E-03	8.88E-09	1.04E-04	1.56E-05	2.15E-03	9.58E-04	3.66E-03	7.79E-03	5.73E-04	1.30E-02	9.11E-04	7.29E-09	1.04E-04	1.56E-05	1.03E-03
4151	494363.09	3855377.25	1.27E-03	6.88E-09	5.98E-05	1.19E-05	1.34E-03	6.00E-04	2.83E-03	4.49E-03	4.38E-04	8.36E-03	5.71E-04	5.64E-09	5.98E-05	1.19E-05	6.42E-04
4152	494863.09	3855377.25	8.50E-04	5.37E-09	4.93E-05	1.00E-05	9.10E-04	4.01E-04	2.21E-03	3.70E-03	3.68E-04	6.68E-03	3.81E-04	4.41E-09	4.93E-05	1.00E-05	4.41E-04
4153	495363.09	3855377.25	6.48E-04	4.89E-09	4.50E-05	9.02E-06	7.02E-04	3.06E-04	2.01E-03	3.37E-03	3.31E-04	6.02E-03	2.91E-04	4.01E-09	4.50E-05	9.02E-06	3.45E-04
4154	495863.09	3855377.25	5.04E-04	4.33E-09	4.10E-05	8.37E-06	5.53E-04	2.38E-04	1.79E-03	3.08E-03	3.07E-04	5.41E-03	2.26E-04	3.56E-09	4.10E-05	8.37E-06	2.75E-04
4155	496363.09	3855377.25	4.75E-04	4.22E-09	4.12E-05	7.91E-06	5.24E-04	2.24E-04	1.74E-03	3.09E-03	2.90E-04	5.34E-03	2.13E-04	3.46E-09	4.12E-05	7.91E-06	2.62E-04
4156	496863.09	3855377.25	4.52E-04	4.02E-09	4.09E-05	7.95E-06	5.01E-04	2.13E-04	1.66E-03	3.07E-03	2.91E-04	5.23E-03	2.03E-04	3.30E-09	4.09E-05	7.95E-06	2.52E-04
4157	497363.09	3855377.25	4.51E-04	4.13E-09	4.02E-05	8.06E-06	4.99E-04	2.13E-04	1.70E-03	3.01E-03	2.95E-04	5.22E-03	2.02E-04	3.39E-09	4.02E-05	8.06E-06	2.51E-04
4158	497863.09	3855377.25	4.78E-04	4.27E-09	4.10E-05	7.62E-06	5.27E-04	2.25E-04	1.76E-03	3.08E-03	2.79E-04	5.34E-03	2.14E-04	3.50E-09	4.10E-05	7.62E-06	2.63E-04
4159	498363.09	3855377.25	5.07E-04	4.43E-09	4.27E-05	8.00E-06	5.58E-04	2.39E-04	1.83E-03	3.20E-03	2.93E-04	5.56E-03	2.27E-04	3.64E-09	4.27E-05	8.00E-06	2.78E-04
4160	471363.09	3855877.25	1.05E-03	6.87E-09	1.70E-05	9.36E-06	1.08E-03	4.95E-04	2.83E-03	1.28E-03	3.43E-04	4.95E-03	4.71E-04	5.64E-09	1.70E-05	9.36E-06	4.97E-04
4161	471863.09	3855877.25	1.07E-03	7.20E-09	1.73E-05	9.45E-06	1.10E-03	5.05E-04	2.97E-03	1.30E-03	3.46E-04	5.12E-03	4.80E-04	5.91E-09	1.73E-05	9.45E-06	5.07E-04
4162	472363.09	3855877.25	1.17E-03	8.03E-09	1.76E-05	1.14E-05	1.20E-03	5.53E-04	3.31E-03	1.32E-03	4.19E-04	5.60E-03	5.26E-04	6.59E-09	1.76E-05	1.14E-05	5.55E-04
4163	472863.09	3855877.25	1.16E-03	8.04E-09	1.79E-05	1.16E-05	1.19E-03	5.48E-04	3.31E-03	1.34E-03	4.26E-04	5.63E-03	5.21E-04	6.60E-09	1.79E-05	1.16E-05	5.50E-04
4164	473363.09	3855877.25	1.31E-03	9.27E-09	1.90E-05	1.23E-05	1.34E-03	6.18E-04	3.82E-03	1.42E-03	4.51E-04	6.31E-03	5.87E-04	7.60E-09	1.90E-05	1.23E-05	6.18E-04
4165	473863.09	3855877.25	1.40E-03	1.01E-08	2.12E-05	1.28E-05	1.44E-03	6.61E-04	4.15E-03	1.59E-03	4.69E-04	6.87E-03	6.29E-04	8.27E-09	2.12E-05	1.28E-05	6.63E-04
4166	474363.09	3855877.25	1.43E-03	1.02E-08	2.34E-05	1.34E-05	1.47E-03	6.76E-04	4.22E-03	1.76E-03	4.90E-04	7.14E-03	6.43E-04	8.40E-09	2.34E-05	1.34E-05	6.80E-04
4167	474863.09	3855877.25	9.99E-04	7.23E-09	2.21E-05	1.02E-05	1.03E-03	4.71E-04	2.98E-03	1.66E-03	3.75E-04	5.48E-03	4.48E-04	5.94E-09	2.21E-05	1.02E-05	4.80E-04
4168	475363.09	3855877.25	5.44E-04	5.87E-09	2.07E-05	9.19E-06	5.74E-04	2.57E-04	2.42E-03	1.55E-03	3.37E-04	4.56E-03	2.44E-04	4.81E-09	2.07E-05	9.19E-06	2.74E-04
4169	475863.09	3855877.25	2.62E-04	3.63E-09	2.02E-05	8.82E-06	2.91E-04	1.24E-04	1.49E-03	1.51E-03	3.23E-04	3.45E-03	1.17E-04	2.98E-09	2.02E-05	8.82E-06	1.46E-04
4170	476363.09	3855877.25	2.69E-04	4.17E-09	2.23E-05	9.99E-06	3.01E-04	1.27E-04	1.72E-03	1.68E-03	3.66E-04	3.89E-03	1.21E-04	3.42E-09	2.23E-05	9.99E-06	1.53E-04
4171	476863.09	3855877.25	4.05E-04	5.61E-09	2.62E-05	1.09E-05	4.42E-04	1.91E-04	2.31E-03	1.96E-03	4.00E-04	4.86E-03	1.82E-04	4.60E-09	2.62E-05	1.09E-05	2.19E-04
4172	477363.09	3855877.25	4.57E-04	5.90E-09	3.02E-05	1.08E-05	4.98E-04	2.15E-04	2.43E-03	2.26E-03	3.97E-04	5.31E-03	2.05E-04	4.84E-09	3.02E-05	1.08E-05	2.46E-04
4173	477863.09	3855877.25	5.29E-04	6.59E-09	3.48E-05	1.10E-05	5.75E-04	2.49E-04	2.71E-03	2.61E-03	4.04E-04	5.97E-03	2.37E-04	5.40E-09	3.48E-05	1.10E-05	2.83E-04
4174	478363.09	3855877.25	6.53E-04	7.36E-09	3.68E-05	1.17E-05	7.01E-04	3.08E-04	3.03E-03	2.76E-03	4.28E-04	6.53E-03	2.93E-04	6.04E-09	3.68E-05	1.17E-05	3.41E-04
4175	478863.09	3855877.25	8.83E-04	8.81E-09	4.34E-05	1.44E-05	9.41E-04	4.17E-04	3.63E-03	3.26E-03	5.27E-04	7.83E-03	3.96E-04	7.23E-09	4.34E-05	1.44E-05	4.54E-04
4176	479363.09	3855877.25	1.29E-03	1.11E-08	4.67E-05	1.61E-05	1.35E-03	6.09E-04	4.55E-03	3.50E-03	5.90E-04	9.25E-03	5.79E-04	9.07E-09	4.67E-05	1.61E-05	6.42E-04
4177	479863.09	3855877.25	2.01E-03	1.38E-08	5.17E-05	1.91E-05	2.08E-03	9.48E-04	5.69E-03	3.88E-03	7.02E-04	1.12E-02	9.01E-04	1.13E-08	5.17E-05	1.91E-05	9.72E-04
4178	480363.09	3855877.25	2.82E-03	1.82E-08	4.73E-05	2.07E-05	2.89E-03	1.33E-03	7.49E-03	3.55E-03	7.59E-04	1.31E-02	1.26E-03	1.49E-08	4.73E-05	2.07E-05	1.33E-03
4179	480863.09	3855877.25	4.04E-03	2.71E-08	5.06E-05	2.22E-05	4.11E-03	1.91E-03	1.12E-02	3.80E-03	8.13E-04	1.77E-02	1.81E-03	2.23E-08	5.06E-05	2.22E-05	1.88E-03
4180	481363.09	3855877.25	4.74E-03	2.93E-08	6.08E-05	2.20E-05	4.82E-03	2.23E-03	1.21E-02	4.56E-03	8.06E-04	1.97E-02	2.12E-03	2.40E-08	6.08E-05	2.20E-05	2.21E-03
4181	481863.09	3855877.25	6.43E-03	6.61E-08	5.18E-05	1.91E-05	6.50E-03	3.03E-03	2.72E-02	3.88E-03	7.01E-04	3.48E-02	2.88E-03	5.42E-08	5.18E-05	1.91E-05	2.96E-03
4182	482363.09	3855877.25	6.83E-03	1.50E-07	5.69E-05	2.56E-05	6.91E-03	3.22E-03	6.18E-02	4.27E-03	9.37E-04	7.02E-02	3.06E-03	1.23E-07	5.69E-05	2.56E-05	3.15E-03
4183	482863.09	3855877.25	8.76E-03	2.26E-07	4.81E-05	3.95E-05	8.85E-03	4.13E-03	9.30E-02	3.61E-03	1.45E-03	1.02E-01	3.93E-03	1.85E-07	4.81E-05	3.95E-05	4.02E-03
4184	483363.09	3855877.25	1.12E-02	3.33E-07	3.95E-05	5.71E-05	1.13E-02	5.30E-03	1.37E-01	2.96E-03	2.09E-03	1.48E-01	5.04E-03	2.74E-07	3.95E-05	5.71E-05	5.13E-03
4185	483863.09	3855877.25	1.54E-02	2.49E-07	2.75E-05	4.59E-05	1.55E-02	7.26E-03	1.03E-01	2.06E-03	1.68E-03	1.14E-01	6.91E-03	2.04E-07	2.75E-05	4.59E-05	6.98E-03
4186	484363.09	3855877.25	2.34E-02	1.39E-07	2.24E-05	6.12E-05	2.35E-02	1.10E-02	5.71E-02	1.68E-03	2.24E-03	7.20E-02	1.05E-02	1.14E-07	2.24E-05	6.12E-05	1.06E-02
4187	484863.09	3855877.25	4.18E-02	8.52E-08	2.26E-05	7.56E-05	4.19E-02	1.97E-02	3.51E-02	1.69E-03	2.77E-03	5.92E-02	1.87E-02	6.99E-08	2.26E-05	7.56E-05	1.88E-02
4188	485363.09	3855877.25	1.25E-01	6.22E-08	3.34E-05	6.32E-05	1.25E-01	5.91E-02	2.56E-02	2.50E-03	2.32E-03	8.95E-02	5.62E-02	5.11E-08	3.34E-05	6.32E-05	5.63E-02
4189	485863.09	3855877.25	7.36E-02	4.22E-08	3.43E-05	5.86E-05	7.37E-02	3.47E-02	1.74E-02	2.58E-03	2.15E-03	5.68E-02	3.30E-02	3.46E-08	3.43E-05	5.86E-05	3.31E-02
4190	486363.09	3855877.25	2.93E-02	2.98E-08	4.82E-05	5.47E-05	2.94E-02	1.38E-02	1.23E-02	3.62E-03	2.00E-03	3.17E-02	1.32E-02	2.44E-08	4.82E-05	5.47E-05	1.33E-02
4191	486863.09	3855877.25	1.88E-02	2.62E-08	4.54E-05	4.90E-05	1.89E-02	8.89E-03	1.08E-02	3.40E-03	1.80E-03	2.49E-02	8.45E-03	2.15E-08	4.54E-05	4.90E-05	8.55E-03
4192	487363.09	3855877.25	1.65E-02	2.64E-08	8.98E-05	4.27E-05	1.66E-02	7.76E-03	1.09E-02	6.73E-03	1.57E-03	2.69E-02	7.38E-03	2.17E-08	8.98E-05	4.27E-05	7.51E-03
4193	487863.09	3855877.25	1.44E-02	2.78E-08	7.40E-05	3.23E-05	1.45E-02	6.81E-03	1.14E-02	5.55E-03	1.18E-03	2.50E-02	6.48E-03	2.28E-08	7.40E-05	3.23E-05	6.58E-03
4194	488363.09	3855877.25	1.25E-02	2.87E-08	6.67E-05	2.74E-05	1.25E-02	5.87E-03	1.18E-02	5.00E-03	1.01E-03	2.37E-02	5.59E-03	2.35E-08	6.67E-05	2.74E-05	5.68E-03
4195	488863.09	3855877.25	1.07E-02	2.87E-08	9.89E-05	2.50E-05	1.08E-02	5.03E-03	1.18E-02	7.42E-03	9.17E-04	2.52E-02	4.78E-03	2.35E-08	9.89E-05	2.50E-05	4.91E-03
4196	489363.09	3855877.25	9.19E-03	2.89E-08	6.93E-05	2.72E-05	9.29E-03	4.33E-03	1.19E-02	5.20E-03	9.96E-04	2.24E-02	4.12E-03	2.37E-08	6.93E-05	2.72E-05	4.22E-03
4197	489863.09	3855877.25	7.93E-03	2.70E-08	1.03E-04	2.59E-05	8.06E-03	3.74E-03	1.11E-02	7.69E-03	9.48E-04	2.35E-02	3.56E-03	2.21E-08	1.03E-04	2.59E-05	3.69E-03
4198	490363.09	3855877.25	6.79E-03	2.56E-08	1.39E-04	2.58E-05	6.96E-03	3.20E-03	1.05E-02	1.04E-02	9.44E-04	2.51E-02	3.05E-03	2.10E-08	1.39E-04	2.58E-05	3.21E-03
4199	490863.09	3855877.25	6.08E-03	2.34E-08	8.09E-05	2.45E-05	6.18E-03	2.87E-03	9.64E-03	6.06E-03	8.97E-04	1.95E-02	2.73E-03	1.92E-08	8.09E-05	2.45E-05	2.83E-03
4200	491363.09	3855877.25	5.07E-03	1.72E-08	1.25E-04	2.25E-05	5.22E-03	2.39E-03	7.10E-03	9.40E-03	8.25E-04	1.97E-02	2.27E-03	1.41E-08	1.25E-04	2.25E-05	2.42E-03
4201	491863.09	3855877.25	5.05E-03	2.13E-08	1.39E-04	2.64E-05	5.22E-03	2.38E-03	8.78E-03	1.04E-02	9.67E-04	2.25E-02	2.27E-03	1.75E-08	1.39E-04	2.64E-05	2.43E-03
4202	492363.09	3855877.25	4.63E-03	1.79E-08	1.11E-04	2.64E-05	4.77E-03	2.19E-03	7.37E-03	8.34E-03	9.68E-04	1.89E-02	2.08E-03	1.47E-08	1.11E-04	2.64E-05	2.22E-03
4203	492863.09	3855877.25	4.32E-03	1.63E-08	1.36E-04	2.51E-05	4.48E-03	2.04E-03	6.72E-03	1.02E-02	9.22E-04	1.99E-02	1.94E-03	1.34E-08	1.36E-04	2.51E-05	2.10E-03
4204	493363.09	3855877.25	2.90E-03	1.12E-08	1.73E-04	1.69E-05	3.09E-03	1.37E-03	4.60E-03	1.30E-02	6.19E-04	1.96E-02	1.30E-03	9.17E-09	1.73E-04	1.69E-05	1.49E-03
4205	493863.09	3855877.25	1.52E-03	7.96E-09	6.15E-05	1.31E-05	1.60E-03	7.19E-04	3.28E-03	4.61E-03	4.82E-04	9.09E-03	6.84E-04	6.53E-09	6.15E-05	1.31E-05	7.59E-04

4206	494363.09	3855877.25	9.57E-04	6.35E-09	5.63E-05	1.05E-05	1.02E-03	4.51E-04	2.61E-03	4.22E-03	3.84E-04	7.67E-03	4.29E-04	5.21E-09	5.63E-05	1.05E-05	4.96E-04
4207	494863.09	3855877.25	7.26E-04	5.36E-09	5.75E-05	9.48E-06	7.93E-04	3.43E-04	2.21E-03	4.32E-03	3.48E-04	7.21E-03	3.26E-04	4.40E-09	5.75E-05	9.48E-06	3.93E-04
4208	495363.09	3855877.25	5.40E-04	4.52E-09	4.30E-05	8.18E-06	5.92E-04	2.55E-04	1.86E-03	3.22E-03	3.00E-04	5.64E-03	2.42E-04	3.71E-09	4.30E-05	8.18E-06	2.94E-04
4209	495863.09	3855877.25	5.07E-04	4.45E-09	4.27E-05	7.81E-06	5.57E-04	2.39E-04	1.83E-03	3.20E-03	2.86E-04	5.56E-03	2.27E-04	3.65E-09	4.27E-05	7.81E-06	2.78E-04
4210	496363.09	3855877.25	4.81E-04	4.35E-09	4.23E-05	7.57E-06	5.31E-04	2.27E-04	1.79E-03	3.17E-03	2.77E-04	5.47E-03	2.16E-04	3.57E-09	4.23E-05	7.57E-06	2.66E-04
4211	496863.09	3855877.25	4.82E-04	4.41E-09	4.31E-05	7.58E-06	5.32E-04	2.27E-04	1.82E-03	3.23E-03	2.78E-04	5.56E-03	2.16E-04	3.62E-09	4.31E-05	7.58E-06	2.67E-04
4212	497363.09	3855877.25	4.89E-04	4.54E-09	4.26E-05	8.35E-06	5.40E-04	2.31E-04	1.87E-03	3.19E-03	3.06E-04	5.60E-03	2.19E-04	3.73E-09	4.26E-05	8.35E-06	2.70E-04
4213	497863.09	3855877.25	5.06E-04	4.68E-09	4.52E-05	8.75E-06	5.60E-04	2.39E-04	1.93E-03	3.39E-03	3.21E-04	5.88E-03	2.27E-04	3.84E-09	4.52E-05	8.75E-06	2.81E-04
4214	498363.09	3855877.25	5.78E-04	5.12E-09	4.62E-05	8.70E-06	6.32E-04	2.72E-04	2.11E-03	3.46E-03	3.19E-04	6.16E-03	2.59E-04	4.20E-09	4.62E-05	8.70E-06	3.14E-04
4215	471363.09	3856377.25	8.59E-04	6.83E-09	1.69E-05	9.02E-06	8.85E-04	4.05E-04	2.82E-03	1.27E-03	3.31E-04	4.82E-03	3.85E-04	5.61E-09	1.69E-05	9.02E-06	4.11E-04
4216	471863.09	3856377.25	8.69E-04	6.87E-09	1.74E-05	9.29E-06	8.96E-04	4.10E-04	2.83E-03	1.31E-03	3.41E-04	4.89E-03	3.90E-04	5.64E-09	1.74E-05	9.29E-06	4.17E-04
4217	472363.09	3856377.25	9.14E-04	7.48E-09	1.85E-05	9.46E-06	9.42E-04	4.31E-04	3.08E-03	1.39E-03	3.47E-04	5.25E-03	4.10E-04	6.14E-09	1.85E-05	9.46E-06	4.38E-04
4218	472863.09	3856377.25	1.02E-03	8.26E-09	2.01E-05	9.74E-06	1.05E-03	4.82E-04	3.40E-03	1.51E-03	3.57E-04	5.75E-03	4.58E-04	6.78E-09	2.01E-05	9.74E-06	4.88E-04
4219	473363.09	3856377.25	1.16E-03	9.31E-09	2.04E-05	9.89E-06	1.19E-03	5.45E-04	3.83E-03	1.53E-03	3.63E-04	6.28E-03	5.19E-04	7.64E-09	2.04E-05	9.89E-06	5.49E-04
4220	473863.09	3856377.25	1.27E-03	1.04E-08	2.07E-05	1.00E-05	1.30E-03	6.00E-04	4.28E-03	1.56E-03	3.67E-04	6.80E-03	5.71E-04	8.52E-09	2.07E-05	1.00E-05	6.01E-04
4221	474363.09	3856377.25	1.23E-03	9.34E-09	2.10E-05	1.05E-05	1.26E-03	5.80E-04	3.85E-03	1.58E-03	3.85E-04	6.39E-03	5.52E-04	7.67E-09	2.10E-05	1.05E-05	5.83E-04
4222	474863.09	3856377.25	1.11E-03	8.57E-09	2.13E-05	1.28E-05	1.14E-03	5.23E-04	3.53E-03	1.60E-03	4.71E-04	6.13E-03	4.98E-04	7.04E-09	2.13E-05	1.28E-05	5.32E-04
4223	475363.09	3856377.25	8.37E-04	6.75E-09	2.16E-05	1.01E-05	8.69E-04	3.95E-04	2.78E-03	1.62E-03	3.69E-04	5.16E-03	3.76E-04	5.54E-09	2.16E-05	1.01E-05	4.07E-04
4224	475863.09	3856377.25	5.63E-04	5.73E-09	2.20E-05	9.69E-06	5.95E-04	2.66E-04	2.36E-03	1.65E-03	3.55E-04	4.63E-03	2.53E-04	4.71E-09	2.20E-05	9.69E-06	2.84E-04
4225	476363.09	3856377.25	5.33E-04	5.64E-09	2.25E-05	1.02E-05	5.66E-04	2.52E-04	2.32E-03	1.69E-03	3.73E-04	4.63E-03	2.39E-04	4.63E-09	2.25E-05	1.02E-05	2.72E-04
4226	476863.09	3856377.25	5.45E-04	5.65E-09	2.47E-05	1.08E-05	5.80E-04	2.57E-04	2.33E-03	1.85E-03	3.96E-04	4.83E-03	2.44E-04	4.63E-09	2.47E-05	1.08E-05	2.80E-04
4227	477363.09	3856377.25	5.72E-04	5.90E-09	2.39E-05	1.14E-05	6.07E-04	2.70E-04	2.43E-03	1.80E-03	4.18E-04	4.91E-03	2.56E-04	4.84E-09	2.39E-05	1.14E-05	2.92E-04
4228	477863.09	3856377.25	4.77E-04	5.91E-09	2.38E-05	1.18E-05	5.12E-04	2.25E-04	2.43E-03	1.78E-03	4.33E-04	4.87E-03	2.14E-04	4.85E-09	2.38E-05	1.18E-05	2.49E-04
4229	478363.09	3856377.25	3.97E-04	6.03E-09	2.41E-05	1.22E-05	4.33E-04	1.87E-04	2.48E-03	1.81E-03	4.49E-04	4.93E-03	1.78E-04	4.95E-09	2.41E-05	1.22E-05	2.14E-04
4230	478863.09	3856377.25	7.22E-04	7.52E-09	2.78E-05	1.33E-05	7.63E-04	3.41E-04	3.10E-03	2.09E-03	4.89E-04	6.02E-03	3.24E-04	6.17E-09	2.78E-05	1.33E-05	3.65E-04
4231	479363.09	3856377.25	8.92E-04	8.78E-09	3.22E-05	1.55E-05	9.40E-04	4.21E-04	3.62E-03	2.41E-03	5.69E-04	7.02E-03	4.00E-04	7.21E-09	3.22E-05	1.55E-05	4.48E-04
4232	479863.09	3856377.25	1.85E-03	1.30E-08	4.66E-05	2.35E-05	1.92E-03	8.71E-04	5.37E-03	3.50E-03	8.60E-04	1.06E-02	8.28E-04	1.07E-08	4.66E-05	2.35E-05	8.98E-04
4233	480363.09	3856377.25	2.83E-03	1.82E-08	5.12E-05	2.22E-05	2.90E-03	1.33E-03	7.51E-03	3.84E-03	8.14E-04	1.35E-02	1.27E-03	1.49E-08	5.12E-05	2.22E-05	1.34E-03
4234	480863.09	3856377.25	3.64E-03	2.62E-08	5.27E-05	2.44E-05	3.71E-03	1.72E-03	1.08E-02	3.95E-03	8.93E-04	1.74E-02	1.63E-03	2.15E-08	5.27E-05	2.44E-05	1.71E-03
4235	481363.09	3856377.25	4.46E-03	3.83E-08	5.48E-05	2.46E-05	4.54E-03	2.10E-03	1.58E-02	4.11E-03	9.01E-04	2.29E-02	2.00E-03	3.15E-08	5.48E-05	2.46E-05	2.08E-03
4236	481863.09	3856377.25	5.47E-03	7.44E-08	5.45E-05	2.06E-05	5.55E-03	2.58E-03	3.07E-02	4.09E-03	7.55E-04	3.81E-02	2.45E-03	6.11E-08	5.45E-05	2.06E-05	2.53E-03
4237	482363.09	3856377.25	6.03E-03	1.35E-07	5.92E-05	2.58E-05	6.11E-03	2.84E-03	5.57E-02	4.44E-03	9.47E-04	6.39E-02	2.70E-03	1.11E-07	5.92E-05	2.58E-05	2.79E-03
4238	482863.09	3856377.25	7.58E-03	1.96E-07	5.50E-05	2.56E-05	7.66E-03	3.57E-03	8.09E-02	4.12E-03	9.39E-04	8.95E-02	3.40E-03	1.61E-07	5.50E-05	2.56E-05	3.48E-03
4239	483363.09	3856377.25	9.78E-03	4.01E-07	6.21E-05	4.48E-05	9.89E-03	4.61E-03	1.65E-01	4.66E-03	1.64E-03	1.76E-01	4.39E-03	3.29E-07	6.21E-05	4.48E-05	4.49E-03
4240	483863.09	3856377.25	1.32E-02	4.18E-07	6.36E-05	1.25E-04	1.33E-02	6.20E-03	1.72E-01	4.77E-03	4.57E-03	1.88E-01	5.90E-03	3.43E-07	6.36E-05	1.25E-04	6.09E-03
4241	484363.09	3856377.25	1.62E-02	4.47E-07	4.96E-05	1.11E-04	1.64E-02	7.66E-03	1.84E-01	3.72E-03	4.08E-03	2.00E-01	7.29E-03	3.67E-07	4.96E-05	1.11E-04	7.45E-03
4242	484863.09	3856377.25	2.36E-02	2.46E-07	4.10E-05	1.01E-04	2.38E-02	1.12E-02	1.01E-01	3.08E-03	3.69E-03	1.19E-01	1.06E-02	2.02E-07	4.10E-05	1.01E-04	1.07E-02
4243	485363.09	3856377.25	3.60E-02	1.40E-07	2.54E-05	6.62E-05	3.61E-02	1.70E-02	5.75E-02	1.91E-03	2.43E-03	7.89E-02	1.62E-02	1.15E-07	2.54E-05	6.62E-05	1.62E-02
4244	485863.09	3856377.25	1.10E-01	8.97E-08	3.65E-05	5.10E-05	1.10E-01	5.17E-02	3.70E-02	2.73E-03	1.87E-03	9.33E-02	4.92E-02	7.36E-08	3.65E-05	5.10E-05	4.93E-02
4245	486363.09	3856377.25	7.63E-02	4.59E-08	4.03E-05	4.73E-05	7.64E-02	3.60E-02	1.89E-02	3.02E-03	1.73E-03	5.97E-02	3.42E-02	3.77E-08	4.03E-05	4.73E-05	3.43E-02
4246	486863.09	3856377.25	3.84E-02	4.17E-08	6.08E-05	3.89E-05	3.85E-02	1.81E-02	1.72E-02	4.56E-03	1.43E-03	4.13E-02	1.72E-02	3.42E-08	6.08E-05	3.89E-05	1.73E-02
4247	487363.09	3856377.25	2.71E-02	4.12E-08	6.20E-05	3.21E-05	2.72E-02	1.28E-02	1.70E-02	4.65E-03	1.18E-03	3.56E-02	1.21E-02	3.38E-08	6.20E-05	3.21E-05	1.22E-02
4248	487863.09	3856377.25	2.15E-02	4.50E-08	9.32E-05	2.77E-05	2.17E-02	1.02E-02	1.85E-02	6.99E-03	1.02E-03	3.67E-02	9.66E-03	3.69E-08	9.32E-05	2.77E-05	9.78E-03
4249	488363.09	3856377.25	1.58E-02	4.27E-08	7.37E-05	2.58E-05	1.59E-02	7.46E-03	1.76E-02	5.53E-03	9.46E-04	3.15E-02	7.10E-03	3.50E-08	7.37E-05	2.58E-05	7.20E-03
4250	488863.09	3856377.25	1.35E-02	4.19E-08	8.80E-05	2.34E-05	1.36E-02	6.38E-03	1.73E-02	6.60E-03	8.57E-04	3.11E-02	6.06E-03	3.44E-08	8.80E-05	2.34E-05	6.17E-03
4251	489363.09	3856377.25	1.12E-02	4.05E-08	1.03E-04	2.20E-05	1.13E-02	5.26E-03	1.67E-02	7.73E-03	8.06E-04	3.05E-02	5.00E-03	3.32E-08	1.03E-04	2.20E-05	5.13E-03
4252	489863.09	3856377.25	9.45E-03	3.77E-08	1.31E-04	2.22E-05	9.60E-03	4.46E-03	1.55E-02	9.84E-03	8.15E-04	3.06E-02	4.24E-03	3.10E-08	1.31E-04	2.22E-05	4.39E-03
4253	490363.09	3856377.25	8.20E-03	3.51E-08	1.02E-04	2.04E-05	8.32E-03	3.87E-03	1.45E-02	7.67E-03	7.47E-04	2.68E-02	3.68E-03	2.88E-08	1.02E-04	2.04E-05	3.80E-03
4254	490863.09	3856377.25	7.33E-03	3.16E-08	1.38E-04	2.08E-05	7.49E-03	3.46E-03	1.30E-02	1.03E-02	7.62E-04	2.76E-02	3.29E-03	2.59E-08	1.38E-04	2.08E-05	3.45E-03
4255	491363.09	3856377.25	6.47E-03	2.76E-08	1.17E-04	2.24E-05	6.61E-03	3.05E-03	1.14E-02	8.77E-03	8.23E-04	2.40E-02	2.90E-03	2.26E-08	1.17E-04	2.24E-05	3.04E-03
4256	491863.09	3856377.25	5.80E-03	2.46E-08	1.50E-04	2.53E-05	5.98E-03	2.74E-03	1.02E-02	1.12E-02	9.27E-04	2.50E-02	2.60E-03	2.02E-08	1.50E-04	2.53E-05	2.78E-03
4257	492363.09	3856377.25	4.82E-03	2.05E-08	1.75E-04	2.91E-05	5.02E-03	2.27E-03	8.46E-03	1.31E-02	1.07E-03	2.49E-02	2.16E-03	1.68E-08	1.75E-04	2.91E-05	2.36E-03
4258	492863.09	3856377.25	3.81E-03	1.50E-08	1.30E-04	2.13E-05	3.96E-03	1.80E-03	6.17E-03	9.74E-03	7.81E-04	1.85E-02	1.71E-03	1.23E-08	1.30E-04	2.13E-05	1.86E-03
4259	493363.09	3856377.25	1.77E-03	9.19E-09	8.15E-05	1.33E-05	1.86E-03	8.33E-04	3.79E-03	6.12E-03	4.87E-04	1.12E-02	7.92E-04	7.54E-09	8.15E-05	1.33E-05	8.87E-04
4260	493863.09	3856377.25	1.27E-03	7.57E-09	7.39E-05	1.29E-05	1.35E-03	5.98E-04	3.12E-03	5.54E-03	4.71E-04	9.73E-03	5.69E-04	6.21E-09	7.39E-05	1.29E-05	6.55E-04
4261	494363.09	3856377.25	8.60E-04	6.42E-09	6.94E-05	1.04E-05	9.40E-04	4.06E-04	2.65E-03	5.21E-03	3.80E-04	8.64E-03	3.86E-04	5.27E-09	6.94E-05	1.04E-05	4.66E-04
4262	494863.09	3856377.25	6.40E-04	5.44E-09	5.00E-05	9.29E-06	6.99E-04	3.02E-04	2.24E-03	3.75E-03	3.41E-04	6.63E-03	2.87E-04	4.46E-09	5.00E-05	9.29E-06	3.46E-04
4263	495363.09	3856377.25	5.20E-04	4.65E-09	4.57E-05	7.90E-06	5.73E-04	2.45E-04	1.92E-03	3.43E-03	2.90E-04	5.88E-03	2.33E-04	3.82E-09	4.57E-05	7.90E-06	2.87E-04
4264	495863.09	3856377.25	4.88E-04	4.39E-09	4.41E-05	7.66E-06	5.39E-04	2.30E-04	1.81E-03	3.30E-03	2.81E-04	5.62E-03	2.19E-04	3.61E-09	4.41E-05	7.66E-06	2.70E-04
4265	496363.09	3856377.25	5.00E-04	4.52E-09	4.09E-05	8.10E-06	5.49E-04	2.36E-04	1.86E-03	3.07E-03	2.97E-04	5.47E-03	2.24E-04	3.71E-09	4.09E-05	8.10E-06	2.73E-04
4266	496863.09	3856377.25	5.40E-04	4.78E-09	4.72E-05	8.56E-06	5.96E-04	2.55E-04	1.97E-03	3.54E-03	3.14E-04	6.08E-03	2.42E-04	3.92E-09	4.72E-05	8.56E-06	2.98E-04

4267	497363.09	3856377.25	5.53E-04	5.00E-09	4.85E-05	9.99E-06	6.11E-04	2.61E-04	2.06E-03	3.64E-03	3.66E-04	6.33E-03	2.48E-04	4.10E-09	4.85E-05	9.99E-06	3.06E-04
4268	497863.09	3856377.25	5.78E-04	5.42E-09	4.87E-05	1.00E-05	6.36E-04	2.72E-04	2.23E-03	3.65E-03	3.68E-04	6.52E-03	2.59E-04	4.45E-09	4.87E-05	1.00E-05	3.18E-04
4269	498363.09	3856377.25	6.63E-04	5.76E-09	4.91E-05	9.93E-06	7.22E-04	3.13E-04	2.37E-03	3.68E-03	3.64E-04	6.73E-03	2.97E-04	4.72E-09	4.91E-05	9.93E-06	3.56E-04
4270	471363.09	3856877.25	8.75E-04	7.01E-09	1.70E-05	9.24E-06	9.01E-04	4.13E-04	2.89E-03	1.28E-03	3.39E-04	4.92E-03	3.93E-04	5.76E-09	1.70E-05	9.24E-06	4.19E-04
4271	471863.09	3856877.25	8.73E-04	7.05E-09	1.80E-05	9.43E-06	9.00E-04	4.12E-04	2.90E-03	1.35E-03	3.46E-04	5.01E-03	3.91E-04	5.78E-09	1.80E-05	9.43E-06	4.19E-04
4272	472363.09	3856877.25	9.53E-04	7.51E-09	1.85E-05	9.80E-06	9.81E-04	4.49E-04	3.09E-03	1.39E-03	3.59E-04	5.29E-03	4.27E-04	6.16E-09	1.85E-05	9.80E-06	4.56E-04
4273	472863.09	3856877.25	1.02E-03	8.04E-09	1.90E-05	9.80E-06	1.05E-03	4.82E-04	3.31E-03	1.43E-03	3.59E-04	5.58E-03	4.59E-04	6.59E-09	1.90E-05	9.80E-06	4.88E-04
4274	473363.09	3856877.25	1.14E-03	9.44E-09	1.95E-05	1.04E-05	1.17E-03	5.39E-04	3.89E-03	1.46E-03	3.83E-04	6.27E-03	5.12E-04	7.75E-09	1.95E-05	1.04E-05	5.42E-04
4275	473863.09	3856877.25	1.25E-03	1.00E-08	2.00E-05	1.09E-05	1.28E-03	5.90E-04	4.12E-03	1.50E-03	4.00E-04	6.61E-03	5.61E-04	8.20E-09	2.00E-05	1.09E-05	5.92E-04
4276	474363.09	3856877.25	1.23E-03	8.99E-09	2.05E-05	1.11E-05	1.26E-03	5.81E-04	3.70E-03	1.54E-03	4.05E-04	6.22E-03	5.52E-04	7.37E-09	2.05E-05	1.11E-05	5.84E-04
4277	474863.09	3856877.25	1.10E-03	7.81E-09	2.10E-05	1.27E-05	1.14E-03	5.20E-04	3.22E-03	1.57E-03	4.65E-04	5.77E-03	4.94E-04	6.41E-09	2.10E-05	1.27E-05	5.28E-04
4278	475363.09	3856877.25	9.12E-04	6.14E-09	2.18E-05	1.07E-05	9.44E-04	4.30E-04	2.53E-03	1.63E-03	3.92E-04	4.98E-03	4.09E-04	5.03E-09	2.18E-05	1.07E-05	4.41E-04
4279	475863.09	3856877.25	8.57E-04	6.23E-09	2.26E-05	1.08E-05	8.90E-04	4.04E-04	2.57E-03	1.69E-03	3.98E-04	5.06E-03	3.84E-04	5.12E-09	2.26E-05	1.08E-05	4.18E-04
4280	476363.09	3856877.25	7.24E-04	5.76E-09	2.39E-05	1.07E-05	7.59E-04	3.42E-04	2.37E-03	1.79E-03	3.94E-04	4.90E-03	3.25E-04	4.73E-09	2.39E-05	1.07E-05	3.59E-04
4281	476863.09	3856877.25	7.32E-04	5.97E-09	2.70E-05	1.07E-05	7.70E-04	3.45E-04	2.46E-03	2.02E-03	3.93E-04	5.22E-03	3.28E-04	4.90E-09	2.70E-05	1.07E-05	3.66E-04
4282	477363.09	3856877.25	6.17E-04	5.99E-09	2.79E-05	1.09E-05	6.56E-04	2.91E-04	2.47E-03	2.10E-03	4.01E-04	5.26E-03	2.77E-04	4.92E-09	2.79E-05	1.09E-05	3.16E-04
4283	477863.09	3856877.25	4.28E-04	5.12E-09	2.62E-05	1.09E-05	4.65E-04	2.02E-04	2.11E-03	1.97E-03	3.99E-04	4.68E-03	1.92E-04	4.20E-09	2.62E-05	1.09E-05	2.29E-04
4284	478363.09	3856877.25	3.64E-04	5.13E-09	2.71E-05	1.14E-05	4.03E-04	1.72E-04	2.11E-03	2.03E-03	4.19E-04	4.74E-03	1.63E-04	4.21E-09	2.71E-05	1.14E-05	2.02E-04
4285	478863.09	3856877.25	4.76E-04	5.80E-09	2.99E-05	1.18E-05	5.18E-04	2.24E-04	2.39E-03	2.24E-03	4.34E-04	5.29E-03	2.13E-04	4.76E-09	2.99E-05	1.18E-05	2.55E-04
4286	479363.09	3856877.25	5.91E-04	6.89E-09	3.05E-05	1.25E-05	6.34E-04	2.79E-04	2.84E-03	2.29E-03	4.58E-04	5.86E-03	2.65E-04	5.65E-09	3.05E-05	1.25E-05	3.08E-04
4287	479863.09	3856877.25	1.89E-03	1.13E-08	3.14E-05	1.86E-05	1.94E-03	8.91E-04	4.68E-03	2.35E-03	6.83E-04	8.60E-03	8.47E-04	9.31E-09	3.14E-05	1.86E-05	8.97E-04
4288	480363.09	3856877.25	2.84E-03	1.80E-08	3.69E-05	2.85E-05	2.90E-03	1.34E-03	7.43E-03	2.77E-03	1.05E-03	1.26E-02	1.27E-03	1.48E-08	3.69E-05	2.85E-05	1.34E-03
4289	480863.09	3856877.25	3.92E-03	2.88E-08	4.30E-05	2.04E-05	3.99E-03	1.85E-03	1.19E-02	3.23E-03	7.49E-04	1.77E-02	1.76E-03	2.36E-08	4.30E-05	2.04E-05	1.82E-03
4290	481363.09	3856877.25	4.63E-03	4.37E-08	4.86E-05	2.10E-05	4.70E-03	2.19E-03	1.80E-02	3.65E-03	7.71E-04	2.46E-02	2.08E-03	3.59E-08	4.86E-05	2.10E-05	2.15E-03
4291	481863.09	3856877.25	5.20E-03	5.85E-08	5.01E-05	2.40E-05	5.28E-03	2.45E-03	2.41E-02	3.76E-03	8.79E-04	3.12E-02	2.33E-03	4.80E-08	5.01E-05	2.40E-05	2.41E-03
4292	482363.09	3856877.25	6.25E-03	1.27E-07	6.23E-05	2.19E-05	6.34E-03	2.95E-03	5.24E-02	4.67E-03	8.02E-04	6.08E-02	2.81E-03	1.04E-07	6.23E-05	2.19E-05	2.89E-03
4293	482863.09	3856877.25	7.17E-03	1.86E-07	6.25E-05	2.15E-05	7.25E-03	3.38E-03	7.67E-02	4.69E-03	7.89E-04	8.56E-02	3.22E-03	1.53E-07	6.25E-05	2.15E-05	3.30E-03
4294	483363.09	3856877.25	8.67E-03	3.14E-07	6.47E-05	4.34E-05	8.78E-03	4.09E-03	1.29E-01	4.85E-03	1.59E-03	1.40E-01	3.89E-03	2.57E-07	6.47E-05	4.34E-05	4.00E-03
4295	483863.09	3856877.25	9.87E-03	4.86E-07	7.06E-05	4.51E-05	9.99E-03	4.65E-03	2.00E-01	5.29E-03	1.65E-03	2.12E-01	4.43E-03	3.99E-07	7.06E-05	4.51E-05	4.54E-03
4296	484363.09	3856877.25	1.26E-02	4.94E-07	7.61E-05	6.93E-05	1.27E-02	5.94E-03	2.04E-01	5.71E-03	2.54E-03	2.18E-01	5.65E-03	4.06E-07	7.61E-05	6.93E-05	5.80E-03
4297	484863.09	3856877.25	1.55E-02	6.06E-07	7.50E-05	1.05E-04	1.56E-02	7.29E-03	2.50E-01	5.62E-03	3.83E-03	2.67E-01	6.94E-03	4.98E-07	7.50E-05	1.05E-04	7.12E-03
4298	485363.09	3856877.25	1.93E-02	3.08E-07	6.51E-05	7.59E-05	1.95E-02	9.13E-03	1.27E-01	4.88E-03	2.78E-03	1.44E-01	8.68E-03	2.53E-07	6.51E-05	7.59E-05	8.82E-03
4299	485863.09	3856877.25	2.94E-02	1.89E-07	5.29E-05	5.11E-05	2.95E-02	1.39E-02	7.79E-02	3.97E-03	1.87E-03	9.76E-02	1.32E-02	1.55E-07	5.29E-05	5.11E-05	1.33E-02
4300	486363.09	3856877.25	8.80E-02	7.00E-08	3.95E-05	5.72E-05	8.81E-02	4.15E-02	2.89E-02	2.96E-03	2.10E-03	7.54E-02	3.95E-02	5.75E-08	3.95E-05	5.72E-05	3.96E-02
4301	486863.09	3856877.25	1.30E-01	6.66E-08	5.09E-05	4.63E-05	1.30E-01	6.15E-02	2.74E-02	3.82E-03	1.70E-03	9.44E-02	5.84E-02	5.47E-08	5.09E-05	4.63E-05	5.85E-02
4302	487363.09	3856877.25	4.40E-02	6.55E-08	6.47E-05	3.92E-05	4.41E-02	2.08E-02	2.70E-02	4.85E-03	1.44E-03	5.41E-02	1.97E-02	5.38E-08	6.47E-05	3.92E-05	1.98E-02
4303	487863.09	3856877.25	2.60E-02	6.27E-08	1.32E-04	2.74E-05	2.62E-02	1.23E-02	2.58E-02	9.94E-03	1.01E-03	4.91E-02	1.17E-02	5.15E-08	1.32E-04	2.74E-05	1.18E-02
4304	488363.09	3856877.25	1.92E-02	6.36E-08	9.97E-05	2.52E-05	1.93E-02	9.04E-03	2.62E-02	7.48E-03	9.24E-04	4.37E-02	8.59E-03	5.22E-08	9.97E-05	2.52E-05	8.72E-03
4305	488863.09	3856877.25	1.51E-02	5.97E-08	1.02E-04	2.51E-05	1.52E-02	7.12E-03	2.46E-02	7.67E-03	9.21E-04	4.03E-02	6.77E-03	4.90E-08	1.02E-04	2.51E-05	6.90E-03
4306	489363.09	3856877.25	1.23E-02	5.68E-08	1.27E-04	2.39E-05	1.25E-02	5.82E-03	2.34E-02	9.55E-03	8.77E-04	3.96E-02	5.54E-03	4.66E-08	1.27E-04	2.39E-05	5.69E-03
4307	489863.09	3856877.25	1.04E-02	4.98E-08	1.24E-04	2.41E-05	1.05E-02	4.90E-03	2.05E-02	9.30E-03	8.83E-04	3.56E-02	4.66E-03	4.09E-08	1.24E-04	2.41E-05	4.81E-03
4308	490363.09	3856877.25	8.90E-03	4.32E-08	1.37E-04	2.18E-05	9.06E-03	4.20E-03	1.78E-02	1.03E-02	8.01E-04	3.31E-02	3.99E-03	3.55E-08	1.37E-04	2.18E-05	4.15E-03
4309	490863.09	3856877.25	7.68E-03	3.84E-08	1.36E-04	2.17E-05	7.84E-03	3.62E-03	1.58E-02	1.02E-02	7.97E-04	3.04E-02	3.44E-03	3.15E-08	1.36E-04	2.17E-05	3.60E-03
4310	491363.09	3856877.25	6.65E-03	3.49E-08	1.35E-04	2.34E-05	6.81E-03	3.14E-03	1.44E-02	1.01E-02	8.57E-04	2.85E-02	2.98E-03	2.86E-08	1.35E-04	2.34E-05	3.14E-03
4311	491863.09	3856877.25	6.12E-03	3.03E-08	1.49E-04	2.64E-05	6.29E-03	2.89E-03	1.25E-02	1.11E-02	9.68E-04	2.75E-02	2.74E-03	2.49E-08	1.49E-04	2.64E-05	2.92E-03
4312	492363.09	3856877.25	4.85E-03	1.90E-08	2.02E-04	3.00E-05	5.08E-03	2.29E-03	7.84E-03	1.51E-02	1.10E-03	2.63E-02	2.18E-03	1.56E-08	2.02E-04	3.00E-05	2.41E-03
4313	492863.09	3856877.25	3.12E-03	1.37E-08	2.02E-04	2.15E-05	3.34E-03	1.47E-03	5.64E-03	1.51E-02	7.88E-04	2.30E-02	1.40E-03	1.12E-08	2.02E-04	2.15E-05	1.62E-03
4314	493363.09	3856877.25	1.77E-03	1.03E-08	1.05E-04	1.41E-05	1.89E-03	8.35E-04	4.25E-03	7.88E-03	5.17E-04	1.35E-02	7.94E-04	8.47E-09	1.05E-04	1.41E-05	9.13E-04
4315	493863.09	3856877.25	1.12E-03	7.90E-09	7.29E-05	1.12E-05	1.20E-03	5.28E-04	3.26E-03	5.47E-03	4.12E-04	9.66E-03	5.02E-04	6.49E-09	7.29E-05	1.12E-05	5.86E-04
4316	494363.09	3856877.25	7.71E-04	6.25E-09	6.53E-05	1.09E-05	8.47E-04	3.64E-04	2.58E-03	4.90E-03	4.01E-04	8.24E-03	3.46E-04	5.13E-09	6.53E-05	1.09E-05	4.22E-04
4317	494863.09	3856877.25	6.46E-04	5.57E-09	6.20E-05	1.03E-05	7.18E-04	3.05E-04	2.30E-03	4.65E-03	3.77E-04	7.63E-03	2.90E-04	4.57E-09	6.20E-05	1.03E-05	3.62E-04
4318	495363.09	3856877.25	5.53E-04	5.22E-09	5.67E-05	9.37E-06	6.19E-04	2.61E-04	2.15E-03	4.25E-03	3.44E-04	7.01E-03	2.48E-04	4.28E-09	5.67E-05	9.37E-06	3.14E-04
4319	495863.09	3856877.25	5.43E-04	5.10E-09	5.47E-05	9.92E-06	6.08E-04	2.56E-04	2.10E-03	4.10E-03	3.64E-04	6.82E-03	2.44E-04	4.18E-09	5.47E-05	9.92E-06	3.08E-04
4320	496363.09	3856877.25	5.45E-04	5.23E-09	4.98E-05	1.04E-05	6.05E-04	2.57E-04	2.16E-03	3.73E-03	3.83E-04	6.53E-03	2.45E-04	4.29E-09	4.98E-05	1.04E-05	3.05E-04
4321	496863.09	3856877.25	5.59E-04	5.36E-09	4.73E-05	1.05E-05	6.17E-04	2.63E-04	2.21E-03	3.55E-03	3.87E-04	6.41E-03	2.51E-04	4.40E-09	4.73E-05	1.05E-05	3.08E-04
4322	497363.09	3856877.25	5.98E-04	5.63E-09	4.64E-05	1.13E-05	6.56E-04	2.82E-04	2.32E-03	3.48E-03	4.15E-04	6.50E-03	2.68E-04	4.62E-09	4.64E-05	1.13E-05	3.26E-04
4323	497863.09	3856877.25	6.84E-04	6.13E-09	4.93E-05	1.15E-05	7.45E-04	3.23E-04	2.53E-03	3.69E-03	4.20E-04	6.96E-03	3.07E-04	5.03E-09	4.93E-05	1.15E-05	3.68E-04
4324	498363.09	3856877.25	7.74E-04	6.80E-09	5.29E-05	1.11E-05	8.38E-04	3.65E-04	2.80E-03	3.96E-03	4.08E-04	7.54E-03	3.47E-04	5.58E-09	5.29E-05	1.11E-05	4.11E-04
4325	471363.09	3857377.25	8.40E-04	6.86E-09	1.76E-05	9.78E-06	8.67E-04	3.96E-04	2.82E-03	1.32E-03	3.59E-04	4.90E-03	3.77E-04	5.63E-09	1.76E-05	9.78E-06	4.04E-04
4326	471863.09	3857377.25	8.32E-04	6.72E-09	1.80E-05	9.72E-06	8.60E-04	3.92E-04	2.77E-03	1.35E-03	3.56E-04	4.87E-03	3.73E-04	5.51E-09	1.80E-05	9.72E-06	4.01E-04
4327	472363.09	3857377.25	8.56E-04	7.11E-09	1.84E-05	9.65E-06	8.84E-04	4.04E-04	2.93E-03	1.38E-03	3.54E-04	5.07E-03	3.84E-04	5.84E-09	1.84E-05	9.65E-06	4.12E-04

4328	472863.09	3857377.25	8.98E-04	7.63E-09	1.88E-05	9.62E-06	9.27E-04	4.24E-04	3.14E-03	1.41E-03	3.53E-04	5.33E-03	4.03E-04	6.26E-09	1.88E-05	9.62E-06	4.31E-04
4329	473363.09	3857377.25	9.84E-04	8.50E-09	1.92E-05	1.03E-05	1.01E-03	4.64E-04	3.50E-03	1.44E-03	3.78E-04	5.78E-03	4.41E-04	6.97E-09	1.92E-05	1.03E-05	4.71E-04
4330	473863.09	3857377.25	1.14E-03	1.01E-08	1.97E-05	1.11E-05	1.17E-03	5.39E-04	4.18E-03	1.48E-03	4.05E-04	6.60E-03	5.12E-04	8.32E-09	1.97E-05	1.11E-05	5.43E-04
4331	474363.09	3857377.25	1.08E-03	8.64E-09	2.01E-05	1.19E-05	1.11E-03	5.08E-04	3.56E-03	1.50E-03	4.36E-04	6.01E-03	4.83E-04	7.09E-09	2.01E-05	1.19E-05	5.15E-04
4332	474863.09	3857377.25	8.65E-04	6.10E-09	2.03E-05	1.28E-05	8.98E-04	4.08E-04	2.51E-03	1.53E-03	4.70E-04	4.92E-03	3.88E-04	5.01E-09	2.03E-05	1.28E-05	4.21E-04
4333	475363.09	3857377.25	6.12E-04	4.74E-09	2.00E-05	8.75E-06	6.40E-04	2.88E-04	1.95E-03	1.50E-03	3.21E-04	4.06E-03	2.74E-04	3.89E-09	2.00E-05	8.75E-06	3.03E-04
4334	475863.09	3857377.25	5.36E-04	4.75E-09	2.07E-05	9.05E-06	5.65E-04	2.53E-04	1.96E-03	1.55E-03	3.32E-04	4.09E-03	2.40E-04	3.90E-09	2.07E-05	9.05E-06	2.70E-04
4335	476363.09	3857377.25	7.06E-04	5.49E-09	2.16E-05	9.42E-06	7.37E-04	3.33E-04	2.26E-03	1.62E-03	3.45E-04	4.56E-03	3.17E-04	4.50E-09	2.16E-05	9.42E-06	3.48E-04
4336	476863.09	3857377.25	7.81E-04	5.77E-09	2.26E-05	9.67E-06	8.13E-04	3.68E-04	2.38E-03	1.70E-03	3.55E-04	4.79E-03	3.50E-04	4.73E-09	2.26E-05	9.67E-06	3.83E-04
4337	477363.09	3857377.25	7.27E-04	5.64E-09	2.25E-05	9.58E-06	7.59E-04	3.43E-04	2.32E-03	1.69E-03	3.51E-04	4.70E-03	3.26E-04	4.63E-09	2.25E-05	9.58E-06	3.58E-04
4338	477863.09	3857377.25	4.61E-04	5.28E-09	2.28E-05	9.40E-06	4.93E-04	2.18E-04	2.18E-03	1.71E-03	3.45E-04	4.45E-03	2.07E-04	4.33E-09	2.28E-05	9.40E-06	2.39E-04
4339	478363.09	3857377.25	3.72E-04	4.96E-09	2.32E-05	9.72E-06	4.05E-04	1.76E-04	2.04E-03	1.74E-03	3.56E-04	4.31E-03	1.67E-04	4.07E-09	2.32E-05	9.72E-06	2.00E-04
4340	478863.09	3857377.25	3.54E-04	4.81E-09	2.35E-05	1.05E-05	3.88E-04	1.67E-04	1.98E-03	1.76E-03	3.85E-04	4.30E-03	1.59E-04	3.95E-09	2.35E-05	1.05E-05	1.93E-04
4341	479363.09	3857377.25	5.08E-04	6.46E-09	2.62E-05	1.15E-05	5.46E-04	2.40E-04	2.66E-03	1.96E-03	4.21E-04	5.29E-03	2.28E-04	5.30E-09	2.62E-05	1.15E-05	2.66E-04
4342	479863.09	3857377.25	1.43E-03	1.06E-08	3.04E-05	2.07E-05	1.48E-03	6.75E-04	4.38E-03	2.28E-03	7.58E-04	8.09E-03	6.42E-04	8.73E-09	3.04E-05	2.07E-05	6.93E-04
4343	480363.09	3857377.25	1.10E-03	9.88E-09	3.32E-05	1.59E-05	1.15E-03	5.19E-04	4.07E-03	2.49E-03	5.83E-04	7.66E-03	4.94E-04	8.11E-09	3.32E-05	1.59E-05	5.43E-04
4344	480863.09	3857377.25	3.67E-03	2.99E-08	3.90E-05	3.22E-05	3.74E-03	1.73E-03	1.23E-02	2.93E-03	1.18E-03	1.82E-02	1.64E-03	2.45E-08	3.90E-05	3.22E-05	1.71E-03
4345	481363.09	3857377.25	4.36E-03	3.21E-08	4.28E-05	2.60E-05	4.43E-03	2.06E-03	1.32E-02	3.21E-03	9.55E-04	1.94E-02	1.96E-03	2.63E-08	4.28E-05	2.60E-05	2.03E-03
4346	481863.09	3857377.25	5.48E-03	4.75E-08	4.44E-05	2.54E-05	5.55E-03	2.58E-03	1.95E-02	3.33E-03	9.31E-04	2.64E-02	2.46E-03	3.89E-08	4.44E-05	2.54E-05	2.53E-03
4347	482363.09	3857377.25	5.80E-03	9.70E-08	4.61E-05	2.32E-05	5.87E-03	2.74E-03	4.00E-02	3.46E-03	8.51E-04	4.70E-02	2.60E-03	7.96E-08	4.61E-05	2.32E-05	2.67E-03
4348	482863.09	3857377.25	6.54E-03	1.38E-07	4.76E-05	2.90E-05	6.61E-03	3.08E-03	5.67E-02	3.57E-03	1.06E-03	6.44E-02	2.93E-03	1.13E-07	4.76E-05	2.90E-05	3.01E-03
4349	483363.09	3857377.25	7.06E-03	1.78E-07	5.06E-05	3.63E-05	7.15E-03	3.33E-03	7.33E-02	3.79E-03	1.33E-03	8.17E-02	3.17E-03	1.46E-07	5.06E-05	3.63E-05	3.25E-03
4350	483863.09	3857377.25	8.08E-03	2.32E-07	6.19E-05	4.40E-05	8.18E-03	3.81E-03	9.56E-02	4.64E-03	1.61E-03	1.06E-01	3.62E-03	1.90E-07	6.19E-05	4.40E-05	3.73E-03
4351	484363.09	3857377.25	9.24E-03	2.81E-07	7.42E-05	1.97E-05	9.34E-03	4.36E-03	1.16E-01	5.57E-03	7.22E-04	1.26E-01	4.15E-03	2.30E-07	7.42E-05	1.97E-05	4.24E-03
4352	484863.09	3857377.25	1.13E-02	4.04E-07	8.58E-05	2.20E-05	1.14E-02	5.33E-03	1.67E-01	6.44E-03	8.08E-04	1.79E-01	5.07E-03	3.32E-07	8.58E-05	2.20E-05	5.17E-03
4353	485363.09	3857377.25	1.25E-02	5.69E-07	9.18E-05	3.15E-05	1.26E-02	5.88E-03	2.34E-01	6.88E-03	1.16E-03	2.48E-01	5.59E-03	4.67E-07	9.18E-05	3.15E-05	5.72E-03
4354	485863.09	3857377.25	1.48E-02	3.95E-07	9.14E-05	3.00E-05	1.49E-02	6.96E-03	1.63E-01	6.86E-03	1.10E-03	1.78E-01	6.62E-03	3.24E-07	9.14E-05	3.00E-05	6.74E-03
4355	486363.09	3857377.25	2.15E-02	1.86E-07	8.20E-05	2.83E-05	2.16E-02	1.01E-02	7.67E-02	6.15E-03	1.04E-03	9.40E-02	9.64E-03	1.53E-07	8.20E-05	2.83E-05	9.75E-03
4356	486863.09	3857377.25	3.25E-02	9.12E-08	7.72E-05	2.64E-05	3.26E-02	1.53E-02	3.76E-02	5.79E-03	9.69E-04	5.97E-02	1.46E-02	7.49E-08	7.72E-05	2.64E-05	1.47E-02
4357	487363.09	3857377.25	3.06E-02	9.22E-08	7.84E-05	3.21E-05	3.07E-02	1.44E-02	3.80E-02	5.88E-03	1.18E-03	5.95E-02	1.37E-02	7.56E-08	7.84E-05	3.21E-05	1.38E-02
4358	487863.09	3857377.25	2.24E-02	9.04E-08	2.05E-04	2.47E-05	2.27E-02	1.06E-02	3.73E-02	1.54E-02	9.06E-04	6.42E-02	1.01E-02	7.42E-08	2.05E-04	2.47E-05	1.03E-02
4359	488363.09	3857377.25	1.40E-02	8.30E-08	1.63E-04	2.40E-05	1.41E-02	6.58E-03	3.42E-02	1.22E-02	8.79E-04	5.39E-02	6.26E-03	6.81E-08	1.63E-04	2.40E-05	6.44E-03
4360	488863.09	3857377.25	1.10E-02	7.68E-08	1.89E-04	2.42E-05	1.12E-02	5.20E-03	3.16E-02	1.42E-02	8.88E-04	5.19E-02	4.95E-03	6.30E-08	1.89E-04	2.42E-05	5.16E-03
4361	489363.09	3857377.25	9.79E-03	7.60E-08	1.94E-04	2.59E-05	1.00E-02	4.62E-03	3.13E-02	1.46E-02	9.50E-04	5.15E-02	4.39E-03	6.24E-08	1.94E-04	2.59E-05	4.61E-03
4362	489863.09	3857377.25	8.52E-03	6.66E-08	1.55E-04	2.62E-05	8.70E-03	4.02E-03	2.74E-02	1.16E-02	9.59E-04	4.40E-02	3.82E-03	5.46E-08	1.55E-04	2.62E-05	4.00E-03
4363	490363.09	3857377.25	7.54E-03	5.78E-08	1.69E-04	2.25E-05	7.73E-03	3.56E-03	2.38E-02	1.27E-02	8.26E-04	4.09E-02	3.38E-03	4.74E-08	1.69E-04	2.25E-05	3.57E-03
4364	490863.09	3857377.25	6.74E-03	4.98E-08	1.78E-04	2.40E-05	6.94E-03	3.18E-03	2.05E-02	1.34E-02	8.81E-04	3.79E-02	3.02E-03	4.09E-08	1.78E-04	2.40E-05	3.22E-03
4365	491363.09	3857377.25	6.27E-03	4.42E-08	1.64E-04	2.40E-05	6.46E-03	2.96E-03	1.82E-02	1.23E-02	8.79E-04	3.43E-02	2.81E-03	3.63E-08	1.64E-04	2.40E-05	3.00E-03
4366	491863.09	3857377.25	5.78E-03	3.42E-08	1.82E-04	2.98E-05	5.99E-03	2.73E-03	1.41E-02	1.36E-02	1.09E-03	3.16E-02	2.59E-03	2.81E-08	1.82E-04	2.98E-05	2.80E-03
4367	492363.09	3857377.25	4.19E-03	1.87E-08	2.43E-04	3.29E-05	4.46E-03	1.98E-03	7.69E-03	1.83E-02	1.21E-03	2.91E-02	1.88E-03	1.53E-08	2.43E-04	3.29E-05	2.15E-03
4368	492863.09	3857377.25	2.03E-03	1.27E-08	1.20E-04	1.62E-05	2.17E-03	9.58E-04	5.23E-03	9.02E-03	5.94E-04	1.58E-02	9.11E-04	1.04E-08	1.20E-04	1.62E-05	1.05E-03
4369	493363.09	3857377.25	1.21E-03	9.51E-09	8.09E-05	1.29E-05	1.30E-03	5.71E-04	3.92E-03	6.07E-03	4.72E-04	1.10E-02	5.43E-04	7.80E-09	8.09E-05	1.29E-05	6.36E-04
4370	493863.09	3857377.25	9.75E-04	8.03E-09	7.57E-05	1.20E-05	1.06E-03	4.60E-04	3.31E-03	5.68E-03	4.41E-04	9.89E-03	4.37E-04	6.59E-09	7.57E-05	1.20E-05	5.25E-04
4371	494363.09	3857377.25	7.60E-04	7.11E-09	6.68E-05	1.10E-05	8.38E-04	3.58E-04	2.93E-03	5.01E-03	4.03E-04	8.70E-03	3.41E-04	5.83E-09	6.68E-05	1.10E-05	4.19E-04
4372	494863.09	3857377.25	6.78E-04	6.47E-09	6.59E-05	1.12E-05	7.55E-04	3.20E-04	2.67E-03	4.94E-03	4.12E-04	8.34E-03	3.04E-04	5.31E-09	6.59E-05	1.12E-05	3.81E-04
4373	495363.09	3857377.25	6.06E-04	6.21E-09	5.73E-05	1.14E-05	6.75E-04	2.86E-04	2.56E-03	4.30E-03	4.19E-04	7.56E-03	2.72E-04	5.09E-09	5.73E-05	1.14E-05	3.41E-04
4374	495863.09	3857377.25	5.92E-04	6.14E-09	5.24E-05	1.16E-05	6.56E-04	2.79E-04	2.53E-03	3.93E-03	4.27E-04	7.16E-03	2.65E-04	5.04E-09	5.24E-05	1.16E-05	3.29E-04
4375	496363.09	3857377.25	5.97E-04	6.10E-09	4.76E-05	1.17E-05	6.57E-04	2.82E-04	2.51E-03	3.57E-03	4.28E-04	6.80E-03	2.68E-04	5.01E-09	4.76E-05	1.17E-05	3.27E-04
4376	496863.09	3857377.25	6.04E-04	6.20E-09	4.49E-05	1.18E-05	6.60E-04	2.85E-04	2.55E-03	3.37E-03	4.32E-04	6.64E-03	2.71E-04	5.08E-09	4.49E-05	1.18E-05	3.27E-04
4377	497363.09	3857377.25	6.31E-04	6.43E-09	4.93E-05	1.18E-05	6.92E-04	2.98E-04	2.65E-03	3.70E-03	4.31E-04	7.07E-03	2.83E-04	5.28E-09	4.93E-05	1.18E-05	3.44E-04
4378	497863.09	3857377.25	7.23E-04	6.80E-09	4.90E-05	1.15E-05	7.84E-04	3.41E-04	2.80E-03	3.68E-03	4.21E-04	7.24E-03	3.24E-04	5.58E-09	4.90E-05	1.15E-05	3.85E-04
4379	498363.09	3857377.25	9.56E-04	8.35E-09	5.09E-05	1.21E-05	1.02E-03	4.51E-04	3.44E-03	3.82E-03	4.42E-04	8.15E-03	4.29E-04	6.85E-09	5.09E-05	1.21E-05	4.92E-04
4380	471363.09	3857877.25	8.88E-04	7.16E-09	1.94E-05	1.07E-05	9.18E-04	4.19E-04	2.95E-03	1.45E-03	3.93E-04	5.21E-03	3.98E-04	5.88E-09	1.94E-05	1.07E-05	4.28E-04
4381	471863.09	3857877.25	9.52E-04	7.06E-09	1.99E-05	1.07E-05	9.83E-04	4.49E-04	2.91E-03	1.50E-03	3.93E-04	5.25E-03	4.27E-04	5.79E-09	1.99E-05	1.07E-05	4.58E-04
4382	472363.09	3857877.25	1.02E-03	7.28E-09	2.06E-05	1.07E-05	1.05E-03	4.79E-04	3.00E-03	1.54E-03	3.94E-04	5.41E-03	4.56E-04	5.97E-09	2.06E-05	1.07E-05	4.87E-04
4383	472863.09	3857877.25	1.09E-03	8.07E-09	2.12E-05	1.08E-05	1.12E-03	5.15E-04	3.32E-03	1.59E-03	3.94E-04	5.82E-03	4.90E-04	6.62E-09	2.12E-05	1.08E-05	5.22E-04
4384	473363.09	3857877.25	1.13E-03	8.62E-09	2.19E-05	1.08E-05	1.16E-03	5.31E-04	3.55E-03	1.64E-03	3.98E-04	6.12E-03	5.05E-04	7.07E-09	2.19E-05	1.08E-05	5.38E-04
4385	473863.09	3857877.25	1.16E-03	9.55E-09	2.26E-05	1.10E-05	1.19E-03	5.46E-04	3.93E-03	1.69E-03	4.02E-04	6.58E-03	5.20E-04	7.83E-09	2.26E-05	1.10E-05	5.53E-04
4386	474363.09	3857877.25	1.11E-03	7.57E-09	2.34E-05	1.25E-05	1.14E-03	5.22E-04	3.12E-03	1.76E-03	4.59E-04	5.85E-03	4.96E-04	6.21E-09	2.34E-05	1.25E-05	5.32E-04
4387	474863.09	3857877.25	8.86E-04	5.30E-09	2.42E-05	1.05E-05	9.21E-04	4.18E-04	2.18E-03	1.82E-03	3.86E-04	4.80E-03	3.97E-04	4.35E-09	2.42E-05	1.05E-05	4.32E-04
4388	475363.09	3857877.25	4.31E-04	4.21E-09	2.31E-05	7.71E-06	4.62E-04	2.03E-04	1.74E-03	1.73E-03	2.83E-04	3.96E-03	1.93E-04	3.46E-09	2.31E-05	7.71E-06	2.24E-04

4389	475863.09	3857877.25	2.46E-04	3.09E-09	1.94E-05	7.37E-06	2.72E-04	1.16E-04	1.27E-03	1.46E-03	2.70E-04	3.12E-03	1.10E-04	2.53E-09	1.94E-05	7.37E-06	1.37E-04
4390	476363.09	3857877.25	4.55E-04	4.57E-09	2.45E-05	8.85E-06	4.89E-04	2.15E-04	1.88E-03	1.84E-03	3.25E-04	4.26E-03	2.04E-04	3.75E-09	2.45E-05	8.85E-06	2.38E-04
4391	476863.09	3857877.25	5.55E-04	5.22E-09	2.53E-05	9.50E-06	5.90E-04	2.62E-04	2.15E-03	1.90E-03	3.48E-04	4.66E-03	2.49E-04	4.28E-09	2.53E-05	9.50E-06	2.84E-04
4392	477363.09	3857877.25	5.89E-04	5.47E-09	2.61E-05	1.01E-05	6.25E-04	2.78E-04	2.25E-03	1.95E-03	3.72E-04	4.86E-03	2.64E-04	4.49E-09	2.61E-05	1.01E-05	3.00E-04
4393	477863.09	3857877.25	5.91E-04	5.51E-09	2.69E-05	1.08E-05	6.29E-04	2.79E-04	2.27E-03	2.02E-03	3.95E-04	4.96E-03	2.65E-04	4.52E-09	2.69E-05	1.08E-05	3.03E-04
4394	478363.09	3857877.25	3.32E-04	4.34E-09	2.76E-05	1.10E-05	3.71E-04	1.57E-04	1.79E-03	2.07E-03	4.02E-04	4.42E-03	1.49E-04	3.57E-09	2.76E-05	1.10E-05	1.88E-04
4395	478863.09	3857877.25	2.82E-04	4.70E-09	2.50E-05	1.10E-05	3.18E-04	1.33E-04	1.94E-03	1.88E-03	4.04E-04	4.35E-03	1.26E-04	3.86E-09	2.50E-05	1.10E-05	1.62E-04
4396	479363.09	3857877.25	1.38E-03	1.03E-08	3.51E-05	1.74E-05	1.44E-03	6.53E-04	4.23E-03	2.63E-03	6.40E-04	8.15E-03	6.21E-04	8.42E-09	3.51E-05	1.74E-05	6.73E-04
4397	479863.09	3857877.25	2.61E-03	1.98E-08	3.68E-05	2.77E-05	2.67E-03	1.23E-03	8.14E-03	2.76E-03	1.02E-03	1.31E-02	1.17E-03	1.62E-08	3.68E-05	2.77E-05	1.23E-03
4398	480363.09	3857877.25	3.27E-03	2.63E-08	3.87E-05	2.19E-05	3.34E-03	1.54E-03	1.09E-02	2.91E-03	8.05E-04	1.61E-02	1.47E-03	2.16E-08	3.87E-05	2.19E-05	1.53E-03
4399	480863.09	3857877.25	3.97E-03	3.10E-08	4.09E-05	2.18E-05	4.03E-03	1.87E-03	1.28E-02	3.07E-03	8.01E-04	1.85E-02	1.78E-03	2.55E-08	4.09E-05	2.18E-05	1.84E-03
4400	481363.09	3857877.25	4.30E-03	3.61E-08	4.34E-05	2.74E-05	4.37E-03	2.03E-03	1.49E-02	3.25E-03	1.00E-03	2.11E-02	1.93E-03	2.96E-08	4.34E-05	2.74E-05	2.00E-03
4401	481863.09	3857877.25	4.99E-03	4.35E-08	4.62E-05	2.74E-05	5.06E-03	2.35E-03	1.79E-02	3.46E-03	1.00E-03	2.48E-02	2.24E-03	3.57E-08	4.62E-05	2.74E-05	2.31E-03
4402	482363.09	3857877.25	5.45E-03	7.37E-08	4.41E-05	2.50E-05	5.52E-03	2.57E-03	3.04E-02	3.30E-03	9.16E-04	3.72E-02	2.44E-03	6.05E-08	4.41E-05	2.50E-05	2.51E-03
4403	482863.09	3857877.25	5.73E-03	1.18E-07	5.04E-05	3.30E-05	5.82E-03	2.70E-03	4.85E-02	3.78E-03	1.21E-03	5.62E-02	2.57E-03	9.66E-08	5.04E-05	3.30E-05	2.66E-03
4404	483363.09	3857877.25	6.06E-03	1.28E-07	5.26E-05	2.81E-05	6.14E-03	2.86E-03	5.27E-02	3.94E-03	1.03E-03	6.06E-02	2.72E-03	1.05E-07	5.26E-05	2.81E-05	2.80E-03
4405	483863.09	3857877.25	6.42E-03	1.25E-07	5.51E-05	2.50E-05	6.50E-03	3.03E-03	5.13E-02	4.13E-03	9.15E-04	5.94E-02	2.88E-03	1.02E-07	5.51E-05	2.50E-05	2.96E-03
4406	484363.09	3857877.25	7.04E-03	1.52E-07	6.30E-05	2.10E-05	7.12E-03	3.32E-03	6.25E-02	4.72E-03	7.70E-04	7.13E-02	3.16E-03	1.24E-07	6.30E-05	2.10E-05	3.24E-03
4407	484863.09	3857877.25	7.98E-03	1.67E-07	7.31E-05	1.81E-05	8.07E-03	3.76E-03	6.89E-02	5.48E-03	6.65E-04	7.88E-02	3.58E-03	1.37E-07	7.31E-05	1.81E-05	3.67E-03
4408	485363.09	3857877.25	8.39E-03	1.84E-07	8.17E-05	2.29E-05	8.50E-03	3.96E-03	7.56E-02	6.13E-03	8.41E-04	8.65E-02	3.76E-03	1.51E-07	8.17E-05	2.29E-05	3.87E-03
4409	485863.09	3857877.25	8.14E-03	2.53E-07	9.94E-05	2.08E-05	8.26E-03	3.84E-03	1.04E-01	7.45E-03	7.63E-04	1.16E-01	3.65E-03	2.07E-07	9.94E-05	2.08E-05	3.77E-03
4410	486363.09	3857877.25	1.01E-02	5.00E-07	1.18E-04	2.60E-05	1.02E-02	4.75E-03	2.06E-01	8.85E-03	9.54E-04	2.21E-01	4.51E-03	4.11E-07	1.18E-04	2.60E-05	4.66E-03
4411	486863.09	3857877.25	1.24E-02	2.18E-07	1.25E-04	2.20E-05	1.25E-02	5.83E-03	9.00E-02	9.39E-03	8.06E-04	1.06E-01	5.54E-03	1.79E-07	1.25E-04	2.20E-05	5.69E-03
4412	487363.09	3857877.25	1.53E-02	1.53E-07	2.06E-04	2.82E-05	1.55E-02	7.21E-03	6.28E-02	1.55E-02	1.03E-03	8.66E-02	6.85E-03	1.25E-07	2.06E-04	2.82E-05	7.09E-03
4413	487863.09	3857877.25	1.52E-02	1.19E-07	4.93E-04	2.39E-05	1.57E-02	7.18E-03	4.89E-02	3.69E-02	8.76E-04	9.38E-02	6.83E-03	9.73E-08	4.93E-04	2.39E-05	7.34E-03
4414	488363.09	3857877.25	1.03E-02	1.01E-07	1.03E-03	2.16E-05	1.13E-02	4.85E-03	4.15E-02	7.72E-02	7.92E-04	1.24E-01	4.62E-03	8.26E-08	1.03E-03	2.16E-05	5.67E-03
4415	488863.09	3857877.25	1.09E-02	9.97E-08	3.95E-04	2.53E-05	1.14E-02	5.16E-03	4.11E-02	2.96E-02	9.29E-04	7.68E-02	4.91E-03	8.18E-08	3.95E-04	2.53E-05	5.33E-03
4416	489363.09	3857877.25	9.44E-03	8.90E-08	2.88E-04	2.65E-05	9.76E-03	4.45E-03	3.67E-02	2.16E-02	9.72E-04	6.37E-02	4.24E-03	7.31E-08	2.88E-04	2.65E-05	4.55E-03
4417	489863.09	3857877.25	7.08E-03	7.70E-08	2.16E-04	1.94E-05	7.32E-03	3.34E-03	3.17E-02	1.62E-02	7.10E-04	5.20E-02	3.18E-03	6.32E-08	2.16E-04	1.94E-05	3.41E-03
4418	490363.09	3857877.25	6.20E-03	6.79E-08	1.78E-04	2.07E-05	6.40E-03	2.93E-03	2.80E-02	1.33E-02	7.61E-04	4.50E-02	2.78E-03	5.57E-08	1.78E-04	2.07E-05	2.98E-03
4419	490863.09	3857877.25	5.52E-03	6.13E-08	1.63E-04	2.05E-05	5.70E-03	2.60E-03	2.53E-02	1.22E-02	7.52E-04	4.08E-02	2.47E-03	5.03E-08	1.63E-04	2.05E-05	2.66E-03
4420	491363.09	3857877.25	5.07E-03	4.78E-08	1.56E-04	2.41E-05	5.25E-03	2.39E-03	1.97E-02	1.17E-02	8.84E-04	3.46E-02	2.28E-03	3.92E-08	1.56E-04	2.41E-05	2.45E-03
4421	491863.09	3857877.25	4.52E-03	3.26E-08	1.80E-04	2.75E-05	4.73E-03	2.13E-03	1.34E-02	1.35E-02	1.01E-03	3.01E-02	2.03E-03	2.67E-08	1.80E-04	2.75E-05	2.24E-03
4422	492363.09	3857877.25	2.79E-03	1.87E-08	1.82E-04	2.22E-05	2.99E-03	1.31E-03	7.71E-03	1.36E-02	8.13E-04	2.35E-02	1.25E-03	1.54E-08	1.82E-04	2.22E-05	1.45E-03
4423	492863.09	3857877.25	1.40E-03	1.29E-08	1.02E-04	1.50E-05	1.52E-03	6.60E-04	5.31E-03	7.65E-03	5.49E-04	1.42E-02	6.28E-04	1.06E-08	1.02E-04	1.50E-05	7.45E-04
4424	493363.09	3857877.25	1.19E-03	1.11E-08	7.98E-05	1.29E-05	1.28E-03	5.62E-04	4.59E-03	5.99E-03	4.71E-04	1.16E-02	5.34E-04	9.13E-09	7.98E-05	1.29E-05	6.27E-04
4425	493863.09	3857877.25	1.06E-03	1.04E-08	6.94E-05	1.26E-05	1.14E-03	4.99E-04	4.29E-03	5.21E-03	4.62E-04	1.05E-02	4.74E-04	8.55E-09	6.94E-05	1.26E-05	5.56E-04
4426	494363.09	3857877.25	9.58E-04	9.77E-09	6.65E-05	1.28E-05	1.04E-03	4.52E-04	4.02E-03	4.99E-03	4.71E-04	9.94E-03	4.29E-04	8.01E-09	6.65E-05	1.28E-05	5.09E-04
4427	494863.09	3857877.25	7.89E-04	8.55E-09	5.80E-05	1.24E-05	8.59E-04	3.72E-04	3.52E-03	4.35E-03	4.56E-04	8.70E-03	3.54E-04	7.01E-09	5.80E-05	1.24E-05	4.24E-04
4428	495363.09	3857877.25	7.34E-04	8.17E-09	5.38E-05	1.21E-05	8.00E-04	3.46E-04	3.36E-03	4.04E-03	4.42E-04	8.19E-03	3.29E-04	6.70E-09	5.38E-05	1.21E-05	3.95E-04
4429	495863.09	3857877.25	6.84E-04	7.65E-09	5.04E-05	1.18E-05	7.46E-04	3.22E-04	3.15E-03	3.78E-03	4.32E-04	7.69E-03	3.07E-04	6.28E-09	5.04E-05	1.18E-05	3.69E-04
4430	496363.09	3857877.25	6.89E-04	7.59E-09	4.84E-05	1.19E-05	7.49E-04	3.25E-04	3.13E-03	3.63E-03	4.35E-04	7.52E-03	3.09E-04	6.23E-09	4.84E-05	1.19E-05	3.69E-04
4431	496863.09	3857877.25	6.76E-04	7.71E-09	4.71E-05	1.18E-05	7.35E-04	3.19E-04	3.17E-03	3.54E-03	4.31E-04	7.46E-03	3.03E-04	6.32E-09	4.71E-05	1.18E-05	3.62E-04
4432	497363.09	3857877.25	6.74E-04	7.65E-09	4.82E-05	1.17E-05	7.34E-04	3.18E-04	3.15E-03	3.61E-03	4.29E-04	7.51E-03	3.02E-04	6.28E-09	4.82E-05	1.17E-05	3.62E-04
4433	497863.09	3857877.25	7.94E-04	8.63E-09	5.46E-05	1.19E-05	8.60E-04	3.74E-04	3.56E-03	4.10E-03	4.37E-04	8.47E-03	3.56E-04	7.08E-09	5.46E-05	1.19E-05	4.22E-04
4434	498363.09	3857877.25	1.01E-03	9.71E-09	5.94E-05	1.31E-05	1.08E-03	4.77E-04	4.00E-03	4.46E-03	4.80E-04	9.42E-03	4.54E-04	7.97E-09	5.94E-05	1.31E-05	5.27E-04
4435	471363.09	3858377.25	8.84E-04	9.44E-09	2.39E-05	1.12E-05	9.20E-04	4.17E-04	3.89E-03	1.79E-03	4.10E-04	6.51E-03	3.97E-04	7.75E-09	2.39E-05	1.12E-05	4.32E-04
4436	471863.09	3858377.25	9.26E-04	9.45E-09	2.44E-05	1.21E-05	9.63E-04	4.37E-04	3.89E-03	1.83E-03	4.45E-04	6.61E-03	4.15E-04	7.76E-09	2.44E-05	1.21E-05	4.52E-04
4437	472363.09	3858377.25	9.45E-04	9.41E-09	2.48E-05	1.24E-05	9.82E-04	4.46E-04	3.88E-03	1.86E-03	4.56E-04	6.64E-03	4.24E-04	7.72E-09	2.48E-05	1.24E-05	4.61E-04
4438	472863.09	3858377.25	1.02E-03	9.98E-09	2.53E-05	1.25E-05	1.05E-03	4.79E-04	4.11E-03	1.90E-03	4.59E-04	6.95E-03	4.56E-04	8.19E-09	2.53E-05	1.25E-05	4.93E-04
4439	473363.09	3858377.25	1.10E-03	1.21E-08	2.65E-05	1.27E-05	1.14E-03	5.21E-04	4.99E-03	1.99E-03	4.65E-04	7.96E-03	4.95E-04	9.94E-09	2.65E-05	1.27E-05	5.35E-04
4440	473863.09	3858377.25	1.13E-03	1.14E-08	2.72E-05	1.25E-05	1.17E-03	5.33E-04	4.71E-03	2.04E-03	4.60E-04	7.74E-03	5.07E-04	9.37E-09	2.72E-05	1.25E-05	5.47E-04
4441	474363.09	3858377.25	1.06E-03	7.59E-09	2.79E-05	1.22E-05	1.10E-03	4.98E-04	3.13E-03	2.09E-03	4.47E-04	6.16E-03	4.73E-04	6.23E-09	2.79E-05	1.22E-05	5.14E-04
4442	474863.09	3858377.25	7.57E-04	5.71E-09	2.82E-05	1.19E-05	7.97E-04	3.57E-04	2.35E-03	2.11E-03	4.37E-04	5.26E-03	3.40E-04	4.69E-09	2.82E-05	1.19E-05	3.80E-04
4443	475363.09	3858377.25	5.14E-04	4.25E-09	2.67E-05	8.53E-06	5.49E-04	2.42E-04	1.75E-03	2.00E-03	3.13E-04	4.31E-03	2.30E-04	3.49E-09	2.67E-05	8.53E-06	2.66E-04
4444	475863.09	3858377.25	4.06E-04	3.82E-09	2.58E-05	8.94E-06	4.41E-04	1.91E-04	1.58E-03	1.93E-03	3.28E-04	4.03E-03	1.82E-04	3.14E-09	2.58E-05	8.94E-06	2.17E-04
4445	476363.09	3858377.25	4.41E-04	4.11E-09	2.67E-05	9.41E-06	4.77E-04	2.08E-04	1.70E-03	2.00E-03	3.45E-04	4.25E-03	1.98E-04	3.38E-09	2.67E-05	9.41E-06	2.34E-04
4446	476863.09	3858377.25	4.72E-04	4.36E-09	2.76E-05	9.61E-06	5.09E-04	2.23E-04	1.80E-03	2.07E-03	3.52E-04	4.44E-03	2.12E-04	3.58E-09	2.76E-05	9.61E-06	2.49E-04
4447	477363.09	3858377.25	4.38E-04	4.47E-09	2.85E-05	1.05E-05	4.77E-04	2.06E-04	1.84E-03	2.14E-03	3.84E-04	4.57E-03	1.96E-04	3.67E-09	2.85E-05	1.05E-05	2.35E-04
4448	477863.09	3858377.25	5.77E-04	5.17E-09	2.96E-05	1.11E-05	6.18E-04	2.72E-04	2.13E-03	2.22E-03	4.08E-04	5.03E-03	2.59E-04	4.24E-09	2.96E-05	1.11E-05	3.00E-04
4449	478363.09	3858377.25	6.05E-04	5.41E-09	3.03E-05	1.17E-05	6.47E-04	2.85E-04	2.23E-03	2.27E-03	4.29E-04	5.22E-03	2.71E-04	4.44E-09	3.03E-05	1.17E-05	3.13E-04

4450	478863.09	3858377.25	4.35E-04	5.19E-09	2.78E-05	1.16E-05	4.75E-04	2.05E-04	2.14E-03	2.09E-03	4.25E-04	4.85E-03	1.95E-04	4.26E-09	2.78E-05	1.16E-05	2.35E-04
4451	479363.09	3858377.25	1.55E-03	9.39E-09	3.76E-05	1.94E-05	1.60E-03	7.30E-04	3.87E-03	2.82E-03	7.13E-04	8.13E-03	6.94E-04	7.71E-09	3.76E-05	1.94E-05	7.51E-04
4452	479863.09	3858377.25	2.83E-03	2.14E-08	3.90E-05	2.18E-05	2.89E-03	1.34E-03	8.83E-03	2.93E-03	8.00E-04	1.39E-02	1.27E-03	1.76E-08	3.90E-05	2.18E-05	1.33E-03
4453	480363.09	3858377.25	3.31E-03	3.00E-08	4.04E-05	2.19E-05	3.37E-03	1.56E-03	1.24E-02	3.03E-03	8.02E-04	1.78E-02	1.48E-03	2.46E-08	4.04E-05	2.19E-05	1.54E-03
4454	480863.09	3858377.25	3.70E-03	3.48E-08	4.17E-05	2.32E-05	3.76E-03	1.74E-03	1.43E-02	3.13E-03	8.51E-04	2.01E-02	1.66E-03	2.86E-08	4.17E-05	2.32E-05	1.72E-03
4455	481363.09	3858377.25	4.00E-03	3.83E-08	4.31E-05	2.14E-05	4.06E-03	1.89E-03	1.58E-02	3.23E-03	7.83E-04	2.17E-02	1.79E-03	3.15E-08	4.31E-05	2.14E-05	1.86E-03
4456	481863.09	3858377.25	4.19E-03	3.95E-08	4.44E-05	2.42E-05	4.26E-03	1.98E-03	1.63E-02	3.33E-03	8.89E-04	2.25E-02	1.88E-03	3.24E-08	4.44E-05	2.42E-05	1.95E-03
4457	482363.09	3858377.25	4.90E-03	4.98E-08	4.83E-05	2.96E-05	4.98E-03	2.31E-03	2.05E-02	3.62E-03	1.09E-03	2.75E-02	2.20E-03	4.09E-08	4.83E-05	2.96E-05	2.28E-03
4458	482863.09	3858377.25	5.14E-03	7.63E-08	5.41E-05	2.58E-05	5.22E-03	2.42E-03	3.14E-02	4.06E-03	9.47E-04	3.89E-02	2.30E-03	6.26E-08	5.41E-05	2.58E-05	2.38E-03
4459	483363.09	3858377.25	5.09E-03	9.70E-08	5.95E-05	2.37E-05	5.17E-03	2.40E-03	4.00E-02	4.46E-03	8.70E-04	4.77E-02	2.28E-03	7.96E-08	5.95E-05	2.37E-05	2.36E-03
4460	483863.09	3858377.25	5.91E-03	1.06E-07	6.52E-05	1.95E-05	6.00E-03	2.79E-03	4.37E-02	4.89E-03	7.14E-04	5.21E-02	2.65E-03	8.71E-08	6.52E-05	1.95E-05	2.74E-03
4461	484363.09	3858377.25	5.94E-03	1.11E-07	6.78E-05	2.21E-05	6.03E-03	2.80E-03	4.59E-02	5.08E-03	8.10E-04	5.46E-02	2.67E-03	9.14E-08	6.78E-05	2.21E-05	2.76E-03
4462	484863.09	3858377.25	5.81E-03	1.37E-07	7.23E-05	2.01E-05	5.90E-03	2.74E-03	5.63E-02	5.42E-03	7.36E-04	6.52E-02	2.60E-03	1.12E-07	7.23E-05	2.01E-05	2.70E-03
4463	485363.09	3858377.25	5.31E-03	1.70E-07	8.56E-05	2.26E-05	5.41E-03	2.50E-03	6.99E-02	6.42E-03	8.27E-04	7.96E-02	2.38E-03	1.39E-07	8.56E-05	2.26E-05	2.49E-03
4464	485863.09	3858377.25	5.71E-03	2.59E-07	8.09E-05	2.44E-05	5.82E-03	2.69E-03	1.07E-01	6.07E-03	8.95E-04	1.16E-01	2.56E-03	2.12E-07	8.09E-05	2.44E-05	2.67E-03
4465	486363.09	3858377.25	6.73E-03	5.98E-07	9.54E-05	9.21E-05	6.91E-03	3.17E-03	2.46E-01	7.16E-03	3.38E-03	2.60E-01	3.02E-03	4.90E-07	9.54E-05	9.21E-05	3.20E-03
4466	486863.09	3858377.25	7.51E-03	6.14E-07	1.32E-04	6.21E-05	7.71E-03	3.54E-03	2.53E-01	9.91E-03	2.28E-03	2.69E-01	3.37E-03	5.04E-07	1.32E-04	6.21E-05	3.57E-03
4467	487363.09	3858377.25	8.69E-03	3.41E-07	1.29E-04	3.38E-05	8.85E-03	4.10E-03	1.41E-01	9.65E-03	1.24E-03	1.56E-01	3.90E-03	2.80E-07	1.29E-04	3.38E-05	4.06E-03
4468	487863.09	3858377.25	1.00E-02	2.39E-07	1.03E-04	5.28E-05	1.02E-02	4.73E-03	9.84E-02	7.70E-03	1.94E-03	1.13E-01	4.50E-03	1.96E-07	1.03E-04	5.28E-05	4.66E-03
4469	488363.09	3858377.25	9.52E-03	1.66E-07	2.73E-04	3.15E-05	9.83E-03	4.49E-03	6.86E-02	2.05E-02	1.16E-03	9.47E-02	4.27E-03	1.37E-07	2.73E-04	3.15E-05	4.57E-03
4470	488863.09	3858377.25	7.73E-03	1.39E-07	3.63E-04	3.35E-05	8.13E-03	3.65E-03	5.74E-02	2.72E-02	1.23E-03	8.95E-02	3.47E-03	1.14E-07	3.63E-04	3.35E-05	3.86E-03
4471	489363.09	3858377.25	6.88E-03	1.24E-07	2.23E-04	2.58E-05	7.13E-03	3.25E-03	5.09E-02	1.67E-02	9.48E-04	7.18E-02	3.09E-03	1.01E-07	2.23E-04	2.58E-05	3.34E-03
4472	489863.09	3858377.25	7.63E-03	1.06E-07	1.88E-04	2.51E-05	7.85E-03	3.60E-03	4.35E-02	1.41E-02	9.21E-04	6.21E-02	3.42E-03	8.67E-08	1.88E-04	2.51E-05	3.64E-03
4473	490363.09	3858377.25	7.10E-03	9.20E-08	1.56E-04	2.17E-05	7.28E-03	3.35E-03	3.79E-02	1.17E-02	7.96E-04	5.38E-02	3.18E-03	7.55E-08	1.56E-04	2.17E-05	3.36E-03
4474	490863.09	3858377.25	5.67E-03	8.04E-08	1.43E-04	2.20E-05	5.83E-03	2.67E-03	3.31E-02	1.07E-02	8.08E-04	4.73E-02	2.54E-03	6.60E-08	1.43E-04	2.20E-05	2.71E-03
4475	491363.09	3858377.25	4.83E-03	5.72E-08	1.49E-04	2.96E-05	5.01E-03	2.28E-03	2.36E-02	1.12E-02	1.08E-03	3.81E-02	2.17E-03	4.70E-08	1.49E-04	2.96E-05	2.34E-03
4476	491863.09	3858377.25	3.78E-03	3.12E-08	2.88E-04	4.52E-05	4.11E-03	1.78E-03	1.28E-02	2.16E-02	1.66E-03	3.79E-02	1.69E-03	2.56E-08	2.88E-04	4.52E-05	2.03E-03
4477	492363.09	3858377.25	1.74E-03	1.82E-08	1.26E-04	1.84E-05	1.89E-03	8.22E-04	7.49E-03	9.42E-03	6.73E-04	1.84E-02	7.82E-04	1.49E-08	1.26E-04	1.84E-05	9.26E-04
4478	492863.09	3858377.25	2.16E-03	1.86E-08	1.51E-04	1.85E-05	2.33E-03	1.02E-03	7.66E-03	1.13E-02	6.79E-04	2.07E-02	9.70E-04	1.52E-08	1.51E-04	1.85E-05	1.14E-03
4479	493363.09	3858377.25	1.62E-03	1.58E-08	1.01E-04	1.52E-05	1.74E-03	7.66E-04	6.53E-03	7.59E-03	5.57E-04	1.54E-02	7.29E-04	1.30E-08	1.01E-04	1.52E-05	8.45E-04
4480	493863.09	3858377.25	1.42E-03	1.45E-08	8.68E-05	1.47E-05	1.52E-03	6.70E-04	5.96E-03	6.51E-03	5.40E-04	1.37E-02	6.37E-04	1.19E-08	8.68E-05	1.47E-05	7.39E-04
4481	494363.09	3858377.25	1.14E-03	1.26E-08	6.96E-05	1.44E-05	1.23E-03	5.39E-04	5.17E-03	5.22E-03	5.29E-04	1.15E-02	5.12E-04	1.03E-08	6.96E-05	1.44E-05	5.96E-04
4482	494863.09	3858377.25	9.55E-04	1.10E-08	6.19E-05	1.41E-05	1.03E-03	4.50E-04	4.52E-03	4.64E-03	5.17E-04	1.01E-02	4.28E-04	9.00E-09	6.19E-05	1.41E-05	5.04E-04
4483	495363.09	3858377.25	8.34E-04	9.82E-09	5.53E-05	1.31E-05	9.02E-04	3.93E-04	4.05E-03	4.15E-03	4.79E-04	9.06E-03	3.74E-04	8.06E-09	5.53E-05	1.31E-05	4.42E-04
4484	495863.09	3858377.25	8.55E-04	9.52E-09	5.34E-05	1.30E-05	9.21E-04	4.03E-04	3.92E-03	4.00E-03	4.75E-04	8.81E-03	3.83E-04	7.81E-09	5.34E-05	1.30E-05	4.50E-04
4485	496363.09	3858377.25	8.65E-04	9.14E-09	5.11E-05	1.26E-05	9.29E-04	4.08E-04	3.76E-03	3.84E-03	4.61E-04	8.47E-03	3.88E-04	7.50E-09	5.11E-05	1.26E-05	4.52E-04
4486	496863.09	3858377.25	9.33E-04	9.28E-09	5.39E-05	1.22E-05	9.99E-04	4.40E-04	3.82E-03	4.05E-03	4.47E-04	8.75E-03	4.18E-04	7.61E-09	5.39E-05	1.22E-05	4.85E-04
4487	497363.09	3858377.25	9.47E-04	9.31E-09	5.40E-05	1.23E-05	1.01E-03	4.47E-04	3.83E-03	4.05E-03	4.51E-04	8.79E-03	4.25E-04	7.64E-09	5.40E-05	1.23E-05	4.91E-04
4488	497863.09	3858377.25	1.21E-03	1.02E-08	5.75E-05	1.35E-05	1.28E-03	5.69E-04	4.22E-03	4.31E-03	4.96E-04	9.60E-03	5.41E-04	8.40E-09	5.75E-05	1.35E-05	6.12E-04
4489	498363.09	3858377.25	1.67E-03	1.30E-08	7.35E-05	1.42E-05	1.76E-03	7.88E-04	5.35E-03	5.51E-03	5.20E-04	1.22E-02	7.49E-04	1.07E-08	7.35E-05	1.42E-05	8.37E-04
4490	471363.09	3858877.25	9.37E-04	9.39E-09	1.76E-05	1.10E-05	9.65E-04	4.42E-04	3.87E-03	1.32E-03	4.02E-04	6.03E-03	4.20E-04	7.70E-09	1.76E-05	1.10E-05	4.49E-04
4491	471863.09	3858877.25	9.35E-04	9.37E-09	1.78E-05	1.12E-05	9.64E-04	4.41E-04	3.86E-03	1.34E-03	4.10E-04	6.05E-03	4.19E-04	7.69E-09	1.78E-05	1.12E-05	4.48E-04
4492	472363.09	3858877.25	9.74E-04	1.02E-08	1.81E-05	1.14E-05	1.00E-03	4.59E-04	4.21E-03	1.36E-03	4.19E-04	6.44E-03	4.37E-04	8.38E-09	1.81E-05	1.14E-05	4.66E-04
4493	472863.09	3858877.25	1.01E-03	1.07E-08	1.83E-05	1.23E-05	1.04E-03	4.74E-04	4.41E-03	1.38E-03	4.50E-04	6.71E-03	4.51E-04	8.78E-09	1.83E-05	1.23E-05	4.82E-04
4494	473363.09	3858877.25	1.05E-03	1.17E-08	1.86E-05	1.26E-05	1.08E-03	4.95E-04	4.82E-03	1.40E-03	4.63E-04	7.18E-03	4.71E-04	9.60E-09	1.86E-05	1.26E-05	5.02E-04
4495	473863.09	3858877.25	1.07E-03	1.12E-08	1.88E-05	1.28E-05	1.10E-03	5.06E-04	4.60E-03	1.41E-03	4.68E-04	6.98E-03	4.81E-04	9.15E-09	1.88E-05	1.28E-05	5.12E-04
4496	474363.09	3858877.25	1.04E-03	9.22E-09	2.32E-05	1.45E-05	1.08E-03	4.92E-04	3.80E-03	1.74E-03	5.33E-04	6.56E-03	4.68E-04	7.56E-09	2.32E-05	1.45E-05	5.06E-04
4497	474863.09	3858877.25	5.40E-04	4.40E-09	1.88E-05	9.23E-06	5.68E-04	2.55E-04	1.81E-03	1.41E-03	3.39E-04	3.82E-03	2.42E-04	3.61E-09	1.88E-05	9.23E-06	2.70E-04
4498	475363.09	3858877.25	3.86E-04	3.76E-09	1.60E-05	8.75E-06	4.10E-04	1.82E-04	1.55E-03	1.20E-03	3.21E-04	3.25E-03	1.73E-04	3.08E-09	1.60E-05	8.75E-06	1.98E-04
4499	475863.09	3858877.25	4.35E-04	4.16E-09	1.67E-05	9.44E-06	4.61E-04	2.05E-04	1.72E-03	1.25E-03	3.46E-04	3.52E-03	1.95E-04	3.42E-09	1.67E-05	9.44E-06	2.21E-04
4500	476363.09	3858877.25	3.20E-04	3.49E-09	1.81E-05	8.98E-06	3.47E-04	1.51E-04	1.44E-03	1.36E-03	3.29E-04	3.28E-03	1.43E-04	2.86E-09	1.81E-05	8.98E-06	1.70E-04
4501	476863.09	3858877.25	3.77E-04	4.15E-09	1.98E-05	9.25E-06	4.06E-04	1.78E-04	1.71E-03	1.49E-03	3.39E-04	3.71E-03	1.69E-04	3.41E-09	1.98E-05	9.25E-06	1.98E-04
4502	477363.09	3858877.25	4.07E-04	4.27E-09	2.10E-05	1.00E-05	4.38E-04	1.92E-04	1.76E-03	1.57E-03	3.68E-04	3.89E-03	1.83E-04	3.50E-09	2.10E-05	1.00E-05	2.14E-04
4503	477863.09	3858877.25	4.24E-04	4.51E-09	2.39E-05	1.05E-05	4.58E-04	2.00E-04	1.86E-03	1.79E-03	3.86E-04	4.23E-03	1.90E-04	3.70E-09	2.39E-05	1.05E-05	2.24E-04
4504	478363.09	3858877.25	9.62E-04	7.17E-09	2.67E-05	1.42E-05	1.00E-03	4.54E-04	2.95E-03	2.00E-03	5.20E-04	5.93E-03	4.31E-04	5.88E-09	2.67E-05	1.42E-05	4.72E-04
4505	478863.09	3858877.25	7.94E-04	6.60E-09	2.91E-05	1.29E-05	8.36E-04	3.74E-04	2.72E-03	2.18E-03	4.75E-04	5.75E-03	3.56E-04	5.42E-09	2.91E-05	1.29E-05	3.98E-04
4506	479363.09	3858877.25	6.79E-04	5.48E-09	2.47E-05	1.27E-05	7.16E-04	3.20E-04	2.26E-03	1.86E-03	4.67E-04	4.90E-03	3.04E-04	4.49E-09	2.47E-05	1.27E-05	3.42E-04
4507	479863.09	3858877.25	2.87E-03	2.68E-08	3.57E-05	2.41E-05	2.93E-03	1.35E-03	1.11E-02	2.67E-03	8.83E-04	1.60E-02	1.29E-03	2.20E-08	3.57E-05	2.41E-05	1.35E-03
4508	480363.09	3858877.25	3.00E-03	3.50E-08	3.94E-05	1.65E-05	3.05E-03	1.41E-03	1.44E-02	2.96E-03	6.06E-04	1.94E-02	1.34E-03	2.88E-08	3.94E-05	1.65E-05	1.40E-03
4509	480863.09	3858877.25	3.24E-03	4.14E-08	3.60E-05	1.66E-05	3.29E-03	1.53E-03	1.71E-02	2.70E-03	6.09E-04	2.19E-02	1.45E-03	3.40E-08	3.60E-05	1.66E-05	1.51E-03
4510	481363.09	3858877.25	3.38E-03	4.53E-08	3.64E-05	1.88E-05	3.43E-03	1.59E-03	1.87E-02	2.73E-03	6.88E-04	2.37E-02	1.51E-03	3.72E-08	3.64E-05	1.88E-05	1.57E-03

4511	481863.09	3858877.25	3.96E-03	4.86E-08	3.22E-05	2.10E-05	4.01E-03	1.87E-03	2.00E-02	2.42E-03	7.69E-04	2.51E-02	1.77E-03	3.99E-08	3.22E-05	2.10E-05	1.83E-03
4512	482363.09	3858877.25	4.28E-03	4.77E-08	3.62E-05	2.10E-05	4.34E-03	2.02E-03	1.97E-02	2.71E-03	7.68E-04	2.52E-02	1.92E-03	3.92E-08	3.62E-05	2.10E-05	1.98E-03
4513	482863.09	3858877.25	4.47E-03	5.50E-08	4.65E-05	1.82E-05	4.53E-03	2.11E-03	2.27E-02	3.49E-03	6.67E-04	2.89E-02	2.00E-03	4.52E-08	4.65E-05	1.82E-05	2.07E-03
4514	483363.09	3858877.25	4.53E-03	8.18E-08	6.46E-05	2.11E-05	4.62E-03	2.14E-03	3.37E-02	4.84E-03	7.73E-04	4.14E-02	2.03E-03	6.71E-08	6.46E-05	2.11E-05	2.12E-03
4515	483863.09	3858877.25	4.77E-03	8.93E-08	7.50E-05	2.20E-05	4.87E-03	2.25E-03	3.68E-02	5.62E-03	8.05E-04	4.55E-02	2.14E-03	7.33E-08	7.50E-05	2.20E-05	2.24E-03
4516	484363.09	3858877.25	4.50E-03	1.01E-07	8.42E-05	2.41E-05	4.61E-03	2.12E-03	4.17E-02	6.31E-03	8.83E-04	5.10E-02	2.02E-03	8.30E-08	8.42E-05	2.41E-05	2.13E-03
4517	484863.09	3858877.25	4.27E-03	1.30E-07	8.74E-05	2.11E-05	4.37E-03	2.01E-03	5.35E-02	6.55E-03	7.72E-04	6.28E-02	1.91E-03	1.07E-07	8.74E-05	2.11E-05	2.02E-03
4518	485363.09	3858877.25	3.94E-03	1.80E-07	1.03E-04	2.71E-05	4.07E-03	1.86E-03	7.41E-02	7.76E-03	9.92E-04	8.47E-02	1.77E-03	1.48E-07	1.03E-04	2.71E-05	1.90E-03
4519	485863.09	3858877.25	4.52E-03	2.87E-07	1.06E-04	3.59E-05	4.66E-03	2.13E-03	1.18E-01	7.94E-03	1.32E-03	1.30E-01	2.03E-03	2.36E-07	1.06E-04	3.59E-05	2.17E-03
4520	486363.09	3858877.25	4.45E-03	6.39E-07	1.07E-04	2.48E-05	4.58E-03	2.10E-03	2.63E-01	8.03E-03	9.10E-04	2.74E-01	2.00E-03	5.24E-07	1.07E-04	2.48E-05	2.13E-03
4521	486863.09	3858877.25	5.64E-03	6.47E-07	9.63E-05	3.95E-05	5.78E-03	2.66E-03	2.67E-01	7.22E-03	1.45E-03	2.78E-01	2.53E-03	5.31E-07	9.63E-05	3.95E-05	2.67E-03
4522	487363.09	3858877.25	6.40E-03	6.16E-07	7.69E-05	5.82E-05	6.54E-03	3.02E-03	2.54E-01	5.77E-03	2.13E-03	2.65E-01	2.87E-03	5.06E-07	7.69E-05	5.82E-05	3.01E-03
4523	487863.09	3858877.25	7.20E-03	3.85E-07	5.34E-05	4.46E-05	7.29E-03	3.39E-03	1.59E-01	4.01E-03	1.63E-03	1.68E-01	3.23E-03	3.16E-07	5.34E-05	4.46E-05	3.33E-03
4524	488363.09	3858877.25	7.32E-03	5.28E-07	4.21E-05	4.03E-05	7.41E-03	3.45E-03	2.18E-01	3.16E-03	1.48E-03	2.26E-01	3.28E-03	4.34E-07	4.21E-05	4.03E-05	3.37E-03
4525	488863.09	3858877.25	7.54E-03	3.06E-07	1.23E-04	3.47E-05	7.69E-03	3.55E-03	1.26E-01	9.20E-03	1.27E-03	1.40E-01	3.38E-03	2.51E-07	1.23E-04	3.47E-05	3.54E-03
4526	489363.09	3858877.25	5.54E-03	2.00E-07	1.37E-04	3.03E-05	5.71E-03	2.61E-03	8.25E-02	1.03E-02	1.11E-03	9.65E-02	2.49E-03	1.64E-07	1.37E-04	3.03E-05	2.65E-03
4527	489863.09	3858877.25	5.27E-03	1.53E-07	1.35E-04	2.66E-05	5.43E-03	2.49E-03	6.32E-02	1.01E-02	9.76E-04	7.67E-02	2.36E-03	1.26E-07	1.35E-04	2.66E-05	2.53E-03
4528	490363.09	3858877.25	5.36E-03	1.13E-07	1.13E-04	2.32E-05	5.50E-03	2.53E-03	4.67E-02	8.51E-03	8.52E-04	5.86E-02	2.41E-03	9.30E-08	1.13E-04	2.32E-05	2.54E-03
4529	490863.09	3858877.25	5.99E-03	7.64E-08	1.23E-04	2.72E-05	6.14E-03	2.82E-03	3.15E-02	9.25E-03	9.98E-04	4.46E-02	2.69E-03	6.27E-08	1.23E-04	2.72E-05	2.84E-03
4530	491363.09	3858877.25	5.43E-03	4.24E-08	2.69E-04	3.45E-05	5.73E-03	2.56E-03	1.75E-02	2.02E-02	1.26E-03	4.15E-02	2.43E-03	3.48E-08	2.69E-04	3.45E-05	2.74E-03
4531	491863.09	3858877.25	3.23E-03	2.63E-08	2.58E-04	2.45E-05	3.51E-03	1.52E-03	1.08E-02	1.94E-02	8.97E-04	3.26E-02	1.45E-03	2.16E-08	2.58E-04	2.45E-05	1.73E-03
4532	492363.09	3858877.25	3.54E-03	2.93E-08	1.98E-04	3.52E-05	3.78E-03	1.67E-03	1.21E-02	1.48E-02	1.29E-03	2.99E-02	1.59E-03	2.40E-08	1.98E-04	3.52E-05	1.82E-03
4533	492863.09	3858877.25	3.38E-03	3.45E-08	1.44E-04	2.97E-05	3.55E-03	1.59E-03	1.42E-02	1.08E-02	1.09E-03	2.77E-02	1.52E-03	2.83E-08	1.44E-04	2.97E-05	1.69E-03
4534	493363.09	3858877.25	2.86E-03	2.81E-08	1.62E-04	2.96E-05	3.05E-03	1.35E-03	1.16E-02	1.22E-02	1.09E-03	2.62E-02	1.28E-03	2.30E-08	1.62E-04	2.96E-05	1.47E-03
4535	493863.09	3858877.25	2.14E-03	2.05E-08	1.56E-04	2.05E-05	2.32E-03	1.01E-03	8.46E-03	1.17E-02	7.53E-04	2.19E-02	9.61E-04	1.68E-08	1.56E-04	2.05E-05	1.14E-03
4536	494363.09	3858877.25	2.00E-03	1.84E-08	1.64E-04	1.90E-05	2.19E-03	9.45E-04	7.56E-03	1.23E-02	6.96E-04	2.15E-02	8.99E-04	1.51E-08	1.64E-04	1.90E-05	1.08E-03
4537	494863.09	3858877.25	1.68E-03	1.64E-08	1.08E-04	1.65E-05	1.81E-03	7.93E-04	6.74E-03	8.13E-03	6.06E-04	1.63E-02	7.55E-04	1.34E-08	1.08E-04	1.65E-05	8.79E-04
4538	495363.09	3858877.25	1.36E-03	1.43E-08	8.64E-05	1.53E-05	1.46E-03	6.41E-04	5.90E-03	6.48E-03	5.62E-04	1.36E-02	6.10E-04	1.17E-08	8.64E-05	1.53E-05	7.12E-04
4539	495863.09	3858877.25	1.25E-03	1.32E-08	7.38E-05	1.49E-05	1.34E-03	5.91E-04	5.44E-03	5.54E-03	5.47E-04	1.21E-02	5.62E-04	1.08E-08	7.38E-05	1.49E-05	6.51E-04
4540	496363.09	3858877.25	1.13E-03	1.28E-08	6.93E-05	1.47E-05	1.21E-03	5.32E-04	5.28E-03	5.20E-03	5.40E-04	1.15E-02	5.06E-04	1.05E-08	6.93E-05	1.47E-05	5.90E-04
4541	496863.09	3858877.25	1.08E-03	1.26E-08	7.00E-05	1.44E-05	1.17E-03	5.10E-04	5.17E-03	5.25E-03	5.29E-04	1.15E-02	4.85E-04	1.03E-08	7.00E-05	1.44E-05	5.69E-04
4542	497363.09	3858877.25	1.10E-03	1.27E-08	7.01E-05	1.41E-05	1.19E-03	5.21E-04	5.22E-03	5.25E-03	5.16E-04	1.15E-02	4.95E-04	1.04E-08	7.01E-05	1.41E-05	5.79E-04
4543	497863.09	3858877.25	1.46E-03	1.49E-08	8.89E-05	1.49E-05	1.57E-03	6.90E-04	6.15E-03	6.67E-03	5.45E-04	1.41E-02	6.56E-04	1.22E-08	8.89E-05	1.49E-05	7.59E-04
4544	498363.09	3858877.25	1.84E-03	1.84E-08	8.76E-05	1.54E-05	1.94E-03	8.68E-04	7.58E-03	6.57E-03	5.66E-04	1.56E-02	8.25E-04	1.51E-08	8.76E-05	1.54E-05	9.28E-04
4545	471363.09	3859377.25	9.13E-04	9.66E-09	1.67E-05	1.34E-05	9.43E-04	4.31E-04	3.98E-03	1.25E-03	4.92E-04	6.16E-03	4.10E-04	7.93E-09	1.67E-05	1.34E-05	4.40E-04
4546	471863.09	3859377.25	9.38E-04	9.76E-09	1.83E-05	1.38E-05	9.71E-04	4.43E-04	4.02E-03	1.37E-03	5.06E-04	6.34E-03	4.21E-04	8.01E-09	1.83E-05	1.38E-05	4.53E-04
4547	472363.09	3859377.25	9.74E-04	1.06E-08	1.82E-05	1.38E-05	1.01E-03	4.60E-04	4.39E-03	1.37E-03	5.07E-04	6.72E-03	4.37E-04	8.74E-09	1.82E-05	1.38E-05	4.69E-04
4548	472863.09	3859377.25	1.01E-03	1.13E-08	1.81E-05	1.14E-05	1.04E-03	4.77E-04	4.64E-03	1.36E-03	4.20E-04	6.90E-03	4.54E-04	9.25E-09	1.81E-05	1.14E-05	4.83E-04
4549	473363.09	3859377.25	1.12E-03	1.23E-08	1.79E-05	1.07E-05	1.15E-03	5.28E-04	5.07E-03	1.34E-03	3.94E-04	7.34E-03	5.02E-04	1.01E-08	1.79E-05	1.07E-05	5.31E-04
4550	473863.09	3859377.25	1.27E-03	1.26E-08	1.86E-05	1.22E-05	1.30E-03	6.00E-04	5.20E-03	1.39E-03	4.49E-04	7.65E-03	5.70E-04	1.04E-08	1.86E-05	1.22E-05	6.01E-04
4551	474363.09	3859377.25	1.21E-03	9.83E-09	2.02E-05	1.32E-05	1.24E-03	5.69E-04	4.05E-03	1.52E-03	4.84E-04	6.62E-03	5.41E-04	8.07E-09	2.02E-05	1.32E-05	5.75E-04
4552	474863.09	3859377.25	8.75E-04	6.60E-09	2.16E-05	1.09E-05	9.08E-04	4.13E-04	2.72E-03	1.62E-03	4.00E-04	5.15E-03	3.93E-04	5.41E-09	2.16E-05	1.09E-05	4.25E-04
4553	475363.09	3859377.25	5.05E-04	4.30E-09	1.64E-05	9.84E-06	5.31E-04	2.38E-04	1.77E-03	1.23E-03	3.61E-04	3.60E-03	2.26E-04	3.53E-09	1.64E-05	9.84E-06	2.53E-04
4554	475863.09	3859377.25	3.71E-04	3.71E-09	1.58E-05	8.97E-06	3.96E-04	1.75E-04	1.53E-03	1.18E-03	3.29E-04	3.21E-03	1.67E-04	3.04E-09	1.58E-05	8.97E-06	1.91E-04
4555	476363.09	3859377.25	3.35E-04	3.69E-09	1.52E-05	9.39E-06	3.59E-04	1.58E-04	1.52E-03	1.14E-03	3.44E-04	3.16E-03	1.50E-04	3.03E-09	1.52E-05	9.39E-06	1.75E-04
4556	476863.09	3859377.25	2.61E-04	3.47E-09	1.45E-05	9.15E-06	2.84E-04	1.23E-04	1.43E-03	1.09E-03	3.35E-04	2.97E-03	1.17E-04	2.84E-09	1.45E-05	9.15E-06	1.41E-04
4557	477363.09	3859377.25	2.78E-04	3.76E-09	1.38E-05	9.12E-06	3.01E-04	1.31E-04	1.55E-03	1.04E-03	3.35E-04	3.05E-03	1.25E-04	3.09E-09	1.38E-05	9.12E-06	1.48E-04
4558	477863.09	3859377.25	5.06E-04	5.04E-09	2.01E-05	1.03E-05	5.36E-04	2.38E-04	2.08E-03	1.51E-03	3.76E-04	4.20E-03	2.27E-04	4.14E-09	2.01E-05	1.03E-05	2.57E-04
4559	478363.09	3859377.25	8.64E-04	6.85E-09	2.10E-05	1.23E-05	8.98E-04	4.08E-04	2.82E-03	1.57E-03	4.49E-04	5.25E-03	3.88E-04	5.62E-09	2.10E-05	1.23E-05	4.21E-04
4560	478863.09	3859377.25	1.54E-03	9.80E-09	4.00E-05	1.98E-05	1.60E-03	7.25E-04	4.04E-03	3.00E-03	7.27E-04	8.49E-03	6.90E-04	8.04E-09	4.00E-05	1.98E-05	7.50E-04
4561	479363.09	3859377.25	2.06E-03	1.46E-08	4.34E-05	2.15E-05	2.12E-03	9.70E-04	6.00E-03	3.25E-03	7.87E-04	1.10E-02	9.22E-04	1.19E-08	4.34E-05	2.15E-05	9.87E-04
4562	479863.09	3859377.25	2.60E-03	2.37E-08	4.64E-05	2.40E-05	2.68E-03	1.23E-03	9.74E-03	3.48E-03	8.79E-04	1.53E-02	1.17E-03	1.94E-08	4.64E-05	2.40E-05	1.24E-03
4563	480363.09	3859377.25	2.70E-03	3.32E-08	4.02E-05	1.98E-05	2.76E-03	1.27E-03	1.37E-02	3.02E-03	7.26E-04	1.87E-02	1.21E-03	2.72E-08	4.02E-05	1.98E-05	1.27E-03
4564	480863.09	3859377.25	2.92E-03	3.61E-08	4.71E-05	1.61E-05	2.98E-03	1.38E-03	1.49E-02	3.53E-03	5.89E-04	2.04E-02	1.31E-03	2.96E-08	4.71E-05	1.61E-05	1.37E-03
4565	481363.09	3859377.25	3.46E-03	4.28E-08	5.65E-05	1.53E-05	3.53E-03	1.63E-03	1.76E-02	4.23E-03	5.62E-04	2.40E-02	1.55E-03	3.51E-08	5.65E-05	1.53E-05	1.62E-03
4566	481863.09	3859377.25	3.68E-03	4.72E-08	6.57E-05	1.71E-05	3.76E-03	1.73E-03	1.94E-02	4.93E-03	6.26E-04	2.67E-02	1.65E-03	3.87E-08	6.57E-05	1.71E-05	1.73E-03
4567	482363.09	3859377.25	3.74E-03	4.92E-08	7.56E-05	1.69E-05	3.83E-03	1.76E-03	2.03E-02	5.67E-03	6.21E-04	2.83E-02	1.68E-03	4.04E-08	7.56E-05	1.69E-05	1.77E-03
4568	482863.09	3859377.25	4.03E-03	5.31E-08	8.35E-05	1.81E-05	4.13E-03	1.90E-03	2.19E-02	6.26E-03	6.62E-04	3.07E-02	1.81E-03	4.36E-08	8.35E-05	1.81E-05	1.91E-03
4569	483363.09	3859377.25	4.03E-03	6.72E-08	8.84E-05	1.60E-05	4.13E-03	1.90E-03	2.77E-02	6.63E-03	5.87E-04	3.68E-02	1.81E-03	5.52E-08	8.84E-05	1.60E-05	1.91E-03
4570	483863.09	3859377.25	3.79E-03	8.15E-08	8.17E-05	1.76E-05	3.89E-03	1.79E-03	3.36E-02	6.13E-03	6.45E-04	4.21E-02	1.70E-03	6.68E-08	8.17E-05	1.76E-05	1.80E-03
4571	484363.09	3859377.25	3.65E-03	9.37E-08	8.11E-05	1.84E-05	3.75E-03	1.72E-03	3.86E-02	6.08E-03	6.75E-04	4.71E-02	1.64E-03	7.69E-08	8.11E-05	1.84E-05	1.74E-03

4572	484863.09	3859377.25	3.48E-03	1.09E-07	7.20E-05	1.77E-05	3.57E-03	1.64E-03	4.47E-02	5.40E-03	6.49E-04	5.24E-02	1.56E-03	8.90E-08	7.20E-05	1.77E-05	1.65E-03
4573	485363.09	3859377.25	3.40E-03	1.53E-07	9.02E-05	2.58E-05	3.51E-03	1.60E-03	6.30E-02	6.77E-03	9.46E-04	7.24E-02	1.52E-03	1.26E-07	9.02E-05	2.58E-05	1.64E-03
4574	485863.09	3859377.25	3.39E-03	2.15E-07	9.23E-05	1.89E-05	3.51E-03	1.60E-03	8.85E-02	6.93E-03	6.95E-04	9.78E-02	1.52E-03	1.76E-07	9.23E-05	1.89E-05	1.63E-03
4575	486363.09	3859377.25	3.46E-03	3.15E-07	7.81E-05	2.68E-05	3.56E-03	1.63E-03	1.30E-01	5.86E-03	9.82E-04	1.38E-01	1.55E-03	2.59E-07	7.81E-05	2.68E-05	1.65E-03
4576	486863.09	3859377.25	4.03E-03	5.55E-07	7.34E-05	2.77E-05	4.13E-03	1.90E-03	2.29E-01	5.51E-03	1.02E-03	2.37E-01	1.81E-03	4.56E-07	7.34E-05	2.77E-05	1.91E-03
4577	487363.09	3859377.25	4.82E-03	5.38E-07	3.28E-05	4.30E-05	4.89E-03	2.27E-03	2.22E-01	2.46E-03	1.58E-03	2.28E-01	2.16E-03	4.42E-07	3.28E-05	4.30E-05	2.24E-03
4578	487863.09	3859377.25	5.31E-03	6.16E-07	3.78E-05	6.73E-05	5.41E-03	2.50E-03	2.54E-01	2.83E-03	2.47E-03	2.61E-01	2.38E-03	5.05E-07	3.78E-05	6.73E-05	2.49E-03
4579	488363.09	3859377.25	5.07E-03	6.47E-07	3.13E-05	4.10E-04	5.52E-03	2.39E-03	2.67E-01	2.35E-03	1.50E-02	2.86E-01	2.28E-03	5.31E-07	3.13E-05	4.10E-04	2.72E-03
4580	488863.09	3859377.25	5.96E-03	4.68E-07	6.50E-05	4.71E-05	6.07E-03	2.81E-03	1.93E-01	4.88E-03	1.73E-03	2.02E-01	2.67E-03	3.84E-07	6.50E-05	4.71E-05	2.78E-03
4581	489363.09	3859377.25	6.07E-03	2.74E-07	8.45E-05	3.61E-05	6.19E-03	2.86E-03	1.13E-01	6.34E-03	1.33E-03	1.23E-01	2.72E-03	2.25E-07	8.45E-05	3.61E-05	2.84E-03
4582	489863.09	3859377.25	4.76E-03	2.03E-07	9.71E-05	2.91E-05	4.89E-03	2.24E-03	8.35E-02	7.28E-03	1.07E-03	9.41E-02	2.13E-03	1.66E-07	9.71E-05	2.91E-05	2.26E-03
4583	490363.09	3859377.25	4.45E-03	1.49E-07	1.11E-04	2.68E-05	4.59E-03	2.10E-03	6.15E-02	8.34E-03	9.83E-04	7.29E-02	1.99E-03	1.23E-07	1.11E-04	2.68E-05	2.13E-03
4584	490863.09	3859377.25	3.79E-03	9.41E-08	1.03E-04	2.69E-05	3.92E-03	1.79E-03	3.88E-02	7.69E-03	9.88E-04	4.92E-02	1.70E-03	7.72E-08	1.03E-04	2.69E-05	1.83E-03
4585	491363.09	3859377.25	4.24E-03	4.63E-08	1.17E-04	4.14E-05	4.40E-03	2.00E-03	1.91E-02	8.77E-03	1.52E-03	3.14E-02	1.90E-03	3.80E-08	1.17E-04	4.14E-05	2.06E-03
4586	491863.09	3859377.25	4.83E-03	5.73E-08	1.14E-04	2.86E-05	4.98E-03	2.28E-03	2.36E-02	8.56E-03	1.05E-03	3.55E-02	2.17E-03	4.70E-08	1.14E-04	2.86E-05	2.31E-03
4587	492363.09	3859377.25	4.48E-03	5.12E-08	1.15E-04	2.56E-05	4.62E-03	2.11E-03	2.11E-02	8.64E-03	9.38E-04	3.28E-02	2.01E-03	4.20E-08	1.15E-04	2.56E-05	2.15E-03
4588	492863.09	3859377.25	3.91E-03	4.95E-08	1.07E-04	2.41E-05	4.04E-03	1.85E-03	2.04E-02	8.04E-03	8.84E-04	3.12E-02	1.75E-03	4.07E-08	1.07E-04	2.41E-05	1.89E-03
4589	493363.09	3859377.25	3.39E-03	3.99E-08	1.65E-04	2.51E-05	3.58E-03	1.60E-03	1.64E-02	1.23E-02	9.21E-04	3.13E-02	1.52E-03	3.27E-08	1.65E-04	2.51E-05	1.71E-03
4590	493863.09	3859377.25	3.10E-03	3.71E-08	1.17E-04	2.85E-05	3.25E-03	1.46E-03	1.53E-02	8.78E-03	1.04E-03	2.66E-02	1.39E-03	3.05E-08	1.17E-04	2.85E-05	1.54E-03
4591	494363.09	3859377.25	2.63E-03	3.17E-08	1.22E-04	2.63E-05	2.78E-03	1.24E-03	1.31E-02	9.14E-03	9.63E-04	2.44E-02	1.18E-03	2.60E-08	1.22E-04	2.63E-05	1.33E-03
4592	494863.09	3859377.25	2.19E-03	2.31E-08	1.15E-04	2.23E-05	2.33E-03	1.03E-03	9.52E-03	8.63E-03	8.18E-04	2.00E-02	9.83E-04	1.90E-08	1.15E-04	2.23E-05	1.12E-03
4593	495363.09	3859377.25	2.13E-03	2.12E-08	1.22E-04	1.96E-05	2.27E-03	1.01E-03	8.74E-03	9.13E-03	7.19E-04	1.96E-02	9.57E-04	1.74E-08	1.22E-04	1.96E-05	1.10E-03
4594	495863.09	3859377.25	2.07E-03	1.88E-08	1.03E-04	1.76E-05	2.19E-03	9.75E-04	7.76E-03	7.74E-03	6.46E-04	1.71E-02	9.27E-04	1.55E-08	1.03E-04	1.76E-05	1.05E-03
4595	496363.09	3859377.25	2.07E-03	1.86E-08	1.05E-04	1.77E-05	2.19E-03	9.77E-04	7.68E-03	7.89E-03	6.48E-04	1.72E-02	9.29E-04	1.53E-08	1.05E-04	1.77E-05	1.05E-03
4596	496863.09	3859377.25	1.67E-03	1.61E-08	1.00E-04	1.61E-05	1.79E-03	7.90E-04	6.61E-03	7.52E-03	5.90E-04	1.55E-02	7.51E-04	1.32E-08	1.00E-04	1.61E-05	8.67E-04
4597	497363.09	3859377.25	1.74E-03	1.72E-08	1.02E-04	1.65E-05	1.85E-03	8.19E-04	7.10E-03	7.68E-03	6.03E-04	1.62E-02	7.79E-04	1.41E-08	1.02E-04	1.65E-05	8.97E-04
4598	497863.09	3859377.25	1.86E-03	2.15E-08	1.10E-04	1.73E-05	1.99E-03	8.77E-04	8.85E-03	8.24E-03	6.34E-04	1.86E-02	8.34E-04	1.76E-08	1.10E-04	1.73E-05	9.61E-04
4599	498363.09	3859377.25	1.82E-03	2.51E-08	1.03E-04	1.75E-05	1.94E-03	8.60E-04	1.03E-02	7.71E-03	6.43E-04	1.95E-02	8.18E-04	2.06E-08	1.03E-04	1.75E-05	9.38E-04
4600	471363.09	3859877.25	9.40E-04	9.92E-09	1.60E-05	9.95E-06	9.66E-04	4.44E-04	4.09E-03	1.20E-03	3.65E-04	6.10E-03	4.22E-04	8.14E-09	1.60E-05	9.95E-06	4.48E-04
4601	471863.09	3859877.25	1.01E-03	1.07E-08	1.59E-05	1.03E-05	1.03E-03	4.74E-04	4.43E-03	1.19E-03	3.77E-04	6.47E-03	4.51E-04	8.82E-09	1.59E-05	1.03E-05	4.77E-04
4602	472363.09	3859877.25	1.02E-03	1.12E-08	1.61E-05	1.07E-05	1.05E-03	4.82E-04	4.62E-03	1.21E-03	3.91E-04	6.70E-03	4.58E-04	9.20E-09	1.61E-05	1.07E-05	4.85E-04
4603	472863.09	3859877.25	1.16E-03	1.23E-08	1.53E-05	1.09E-05	1.19E-03	5.48E-04	5.05E-03	1.15E-03	4.01E-04	7.15E-03	5.21E-04	1.01E-08	1.53E-05	1.09E-05	5.47E-04
4604	473363.09	3859877.25	1.25E-03	1.33E-08	1.58E-05	1.16E-05	1.28E-03	5.91E-04	5.47E-03	1.18E-03	4.27E-04	7.67E-03	5.62E-04	1.09E-08	1.58E-05	1.16E-05	5.89E-04
4605	473863.09	3859877.25	1.31E-03	1.41E-08	1.70E-05	1.27E-05	1.34E-03	6.18E-04	5.81E-03	1.27E-03	4.67E-04	8.17E-03	5.88E-04	1.16E-08	1.70E-05	1.27E-05	6.18E-04
4606	474363.09	3859877.25	1.27E-03	1.17E-08	1.70E-05	1.42E-05	1.30E-03	5.99E-04	4.81E-03	1.28E-03	5.21E-04	7.21E-03	5.70E-04	9.59E-09	1.70E-05	1.42E-05	6.01E-04
4607	474863.09	3859877.25	1.20E-03	8.86E-09	2.36E-05	1.49E-05	1.23E-03	5.64E-04	3.65E-03	1.77E-03	5.47E-04	6.53E-03	5.36E-04	7.27E-09	2.36E-05	1.49E-05	5.75E-04
4608	475363.09	3859877.25	6.55E-04	5.31E-09	1.65E-05	1.12E-05	6.83E-04	3.09E-04	2.19E-03	1.24E-03	4.11E-04	4.15E-03	2.94E-04	4.36E-09	1.65E-05	1.12E-05	3.22E-04
4609	475863.09	3859877.25	3.31E-04	3.61E-09	1.54E-05	9.09E-06	3.56E-04	1.56E-04	1.49E-03	1.15E-03	3.33E-04	3.13E-03	1.49E-04	2.96E-09	1.54E-05	9.09E-06	1.73E-04
4610	476363.09	3859877.25	2.17E-04	2.67E-09	1.53E-05	8.17E-06	2.41E-04	1.02E-04	1.10E-03	1.15E-03	3.00E-04	2.65E-03	9.74E-05	2.19E-09	1.53E-05	8.17E-06	1.21E-04
4611	476863.09	3859877.25	2.52E-04	3.06E-09	1.85E-05	8.24E-06	2.79E-04	1.19E-04	1.26E-03	1.39E-03	3.02E-04	3.07E-03	1.13E-04	2.51E-09	1.85E-05	8.24E-06	1.40E-04
4612	477363.09	3859877.25	2.88E-04	3.29E-09	2.25E-05	8.62E-06	3.19E-04	1.36E-04	1.35E-03	1.69E-03	3.16E-04	3.50E-03	1.29E-04	2.70E-09	2.25E-05	8.62E-06	1.60E-04
4613	477863.09	3859877.25	4.54E-04	4.46E-09	2.76E-05	1.01E-05	4.91E-04	2.14E-04	1.84E-03	2.07E-03	3.70E-04	4.49E-03	2.03E-04	3.66E-09	2.76E-05	1.01E-05	2.41E-04
4614	478363.09	3859877.25	9.46E-04	6.10E-09	3.53E-05	1.20E-05	9.93E-04	4.46E-04	2.51E-03	2.65E-03	4.38E-04	6.05E-03	4.24E-04	5.01E-09	3.53E-05	1.20E-05	4.71E-04
4615	478863.09	3859877.25	1.59E-03	9.75E-09	4.37E-05	1.74E-05	1.65E-03	7.50E-04	4.02E-03	3.28E-03	6.40E-04	8.69E-03	7.13E-04	8.00E-09	4.37E-05	1.74E-05	7.75E-04
4616	479363.09	3859877.25	2.08E-03	1.64E-08	7.08E-05	2.34E-05	2.17E-03	9.80E-04	6.75E-03	5.31E-03	8.59E-04	1.39E-02	9.32E-04	1.34E-08	7.08E-05	2.34E-05	1.03E-03
4617	479863.09	3859877.25	2.30E-03	2.43E-08	7.75E-05	2.24E-05	2.40E-03	1.09E-03	9.99E-03	5.81E-03	8.22E-04	1.77E-02	1.03E-03	1.99E-08	7.75E-05	2.24E-05	1.13E-03
4618	480363.09	3859877.25	2.62E-03	3.19E-08	6.86E-05	1.55E-05	2.71E-03	1.24E-03	1.32E-02	5.14E-03	5.70E-04	2.01E-02	1.18E-03	2.62E-08	6.86E-05	1.55E-05	1.26E-03
4619	480863.09	3859877.25	3.06E-03	3.74E-08	7.36E-05	1.41E-05	3.15E-03	1.45E-03	1.54E-02	5.52E-03	5.19E-04	2.29E-02	1.37E-03	3.07E-08	7.36E-05	1.41E-05	1.46E-03
4620	481363.09	3859877.25	3.25E-03	4.22E-08	7.72E-05	1.37E-05	3.34E-03	1.53E-03	1.74E-02	5.79E-03	5.04E-04	2.52E-02	1.46E-03	3.47E-08	7.72E-05	1.37E-05	1.55E-03
4621	481863.09	3859877.25	3.28E-03	4.51E-08	6.97E-05	1.38E-05	3.36E-03	1.55E-03	1.86E-02	5.23E-03	5.04E-04	2.59E-02	1.47E-03	3.70E-08	6.97E-05	1.38E-05	1.56E-03
4622	482363.09	3859877.25	3.38E-03	4.82E-08	6.53E-05	1.44E-05	3.46E-03	1.59E-03	1.99E-02	4.90E-03	5.27E-04	2.69E-02	1.51E-03	3.96E-08	6.53E-05	1.44E-05	1.59E-03
4623	482863.09	3859877.25	3.29E-03	5.20E-08	6.78E-05	1.75E-05	3.38E-03	1.55E-03	2.14E-02	5.08E-03	6.40E-04	2.87E-02	1.48E-03	4.27E-08	6.78E-05	1.75E-05	1.56E-03
4624	483363.09	3859877.25	3.35E-03	5.68E-08	6.36E-05	1.56E-05	3.43E-03	1.58E-03	2.34E-02	4.77E-03	5.73E-04	3.03E-02	1.50E-03	4.66E-08	6.36E-05	1.56E-05	1.58E-03
4625	483863.09	3859877.25	3.25E-03	7.22E-08	5.78E-05	1.63E-05	3.33E-03	1.53E-03	2.98E-02	4.34E-03	5.99E-04	3.62E-02	1.46E-03	5.93E-08	5.78E-05	1.63E-05	1.53E-03
4626	484363.09	3859877.25	3.00E-03	8.22E-08	7.82E-05	1.75E-05	3.10E-03	1.42E-03	3.39E-02	5.87E-03	6.41E-04	4.18E-02	1.35E-03	6.75E-08	7.82E-05	1.75E-05	1.44E-03
4627	484863.09	3859877.25	2.91E-03	9.98E-08	8.06E-05	1.93E-05	3.01E-03	1.37E-03	4.11E-02	6.05E-03	7.06E-04	4.92E-02	1.30E-03	8.19E-08	8.06E-05	1.93E-05	1.40E-03
4628	485363.09	3859877.25	2.74E-03	1.23E-07	8.46E-05	1.93E-05	2.84E-03	1.29E-03	5.05E-02	6.34E-03	7.06E-04	5.88E-02	1.23E-03	1.01E-07	8.46E-05	1.93E-05	1.33E-03
4629	485863.09	3859877.25	2.81E-03	1.48E-07	7.22E-05	1.92E-05	2.90E-03	1.32E-03	6.10E-02	5.41E-03	7.03E-04	6.84E-02	1.26E-03	1.21E-07	7.22E-05	1.92E-05	1.35E-03
4630	486363.09	3859877.25	2.94E-03	1.76E-07	8.25E-05	2.49E-05	3.05E-03	1.39E-03	7.27E-02	6.19E-03	9.12E-04	8.12E-02	1.32E-03	1.45E-07	8.25E-05	2.49E-05	1.43E-03
4631	486863.09	3859877.25	3.39E-03	2.06E-07	3.79E-05	2.34E-05	3.45E-03	1.60E-03	8.48E-02	2.84E-03	8.57E-04	9.01E-02	1.52E-03	1.69E-07	3.79E-05	2.34E-05	1.58E-03
4632	487363.09	3859877.25	3.97E-03	2.93E-07	2.72E-05	2.92E-05	4.03E-03	1.87E-03	1.21E-01	2.04E-03	1.07E-03	1.26E-01	1.78E-03	2.41E-07	2.72E-05	2.92E-05	1.84E-03

4633	487863.09	3859877.25	4.15E-03	5.93E-07	3.62E-05	5.21E-05	4.23E-03	1.96E-03	2.44E-01	2.71E-03	1.91E-03	2.51E-01	1.86E-03	4.87E-07	3.62E-05	5.21E-05	1.95E-03
4634	488363.09	3859877.25	4.44E-03	5.81E-07	3.12E-05	1.05E-04	4.58E-03	2.10E-03	2.39E-01	2.34E-03	3.86E-03	2.48E-01	1.99E-03	4.76E-07	3.12E-05	1.05E-04	2.13E-03
4635	488863.09	3859877.25	4.56E-03	3.09E-07	3.05E-05	1.11E-04	4.71E-03	2.15E-03	1.27E-01	2.29E-03	4.07E-03	1.36E-01	2.05E-03	2.53E-07	3.05E-05	1.11E-04	2.19E-03
4636	489363.09	3859877.25	4.68E-03	2.24E-07	9.01E-05	6.04E-05	4.83E-03	2.21E-03	9.22E-02	6.76E-03	2.21E-03	1.03E-01	2.10E-03	1.84E-07	9.01E-05	6.04E-05	2.25E-03
4637	489863.09	3859877.25	4.85E-03	1.86E-07	8.79E-05	3.67E-05	4.97E-03	2.29E-03	7.68E-02	6.59E-03	1.35E-03	8.70E-02	2.17E-03	1.53E-07	8.79E-05	3.67E-05	2.30E-03
4638	490363.09	3859877.25	4.14E-03	1.50E-07	8.35E-05	2.80E-05	4.25E-03	1.95E-03	6.18E-02	6.26E-03	1.03E-03	7.10E-02	1.86E-03	1.23E-07	8.35E-05	2.80E-05	1.97E-03
4639	490863.09	3859877.25	3.61E-03	1.28E-07	8.48E-05	2.64E-05	3.73E-03	1.70E-03	5.28E-02	6.36E-03	9.67E-04	6.19E-02	1.62E-03	1.05E-07	8.48E-05	2.64E-05	1.73E-03
4640	491363.09	3859877.25	3.24E-03	1.14E-07	8.89E-05	2.49E-05	3.36E-03	1.53E-03	4.69E-02	6.67E-03	9.12E-04	5.60E-02	1.45E-03	9.33E-08	8.89E-05	2.49E-05	1.57E-03
4641	491863.09	3859877.25	3.21E-03	9.85E-08	8.22E-05	2.20E-05	3.32E-03	1.51E-03	4.06E-02	6.16E-03	8.08E-04	4.90E-02	1.44E-03	8.08E-08	8.22E-05	2.20E-05	1.54E-03
4642	492363.09	3859877.25	3.58E-03	8.43E-08	9.59E-05	2.20E-05	3.70E-03	1.69E-03	3.47E-02	7.19E-03	8.07E-04	4.44E-02	1.61E-03	6.92E-08	9.59E-05	2.20E-05	1.72E-03
4643	492863.09	3859877.25	3.79E-03	6.74E-08	9.97E-05	2.08E-05	3.91E-03	1.79E-03	2.78E-02	7.48E-03	7.62E-04	3.78E-02	1.70E-03	5.53E-08	9.97E-05	2.08E-05	1.82E-03
4644	493363.09	3859877.25	3.60E-03	5.92E-08	8.15E-05	2.13E-05	3.70E-03	1.70E-03	2.44E-02	6.11E-03	7.80E-04	3.30E-02	1.62E-03	4.86E-08	8.15E-05	2.13E-05	1.72E-03
4645	493863.09	3859877.25	3.15E-03	5.34E-08	8.10E-05	2.10E-05	3.25E-03	1.48E-03	2.20E-02	6.07E-03	7.70E-04	3.03E-02	1.41E-03	4.38E-08	8.10E-05	2.10E-05	1.51E-03
4646	494363.09	3859877.25	3.07E-03	4.49E-08	8.16E-05	2.25E-05	3.18E-03	1.45E-03	1.85E-02	6.12E-03	8.25E-04	2.69E-02	1.38E-03	3.69E-08	8.16E-05	2.25E-05	1.48E-03
4647	494863.09	3859877.25	2.70E-03	4.04E-08	8.63E-05	2.15E-05	2.81E-03	1.27E-03	1.66E-02	6.47E-03	7.87E-04	2.52E-02	1.21E-03	3.31E-08	8.63E-05	2.15E-05	1.32E-03
4648	495363.09	3859877.25	2.58E-03	3.51E-08	1.01E-04	2.23E-05	2.71E-03	1.22E-03	1.44E-02	7.59E-03	8.19E-04	2.41E-02	1.16E-03	2.88E-08	1.01E-04	2.23E-05	1.28E-03
4649	495863.09	3859877.25	2.31E-03	2.93E-08	1.02E-04	2.24E-05	2.43E-03	1.09E-03	1.21E-02	7.63E-03	8.21E-04	2.16E-02	1.04E-03	2.41E-08	1.02E-04	2.24E-05	1.16E-03
4650	496363.09	3859877.25	1.95E-03	2.29E-08	9.92E-05	2.27E-05	2.08E-03	9.21E-04	9.45E-03	7.44E-03	8.31E-04	1.86E-02	8.76E-04	1.88E-08	9.92E-05	2.27E-05	9.98E-04
4651	496863.09	3859877.25	1.42E-03	1.50E-08	8.48E-05	1.50E-05	1.52E-03	6.69E-04	6.19E-03	6.36E-03	5.51E-04	1.38E-02	6.36E-04	1.23E-08	8.48E-05	1.50E-05	7.36E-04
4652	497363.09	3859877.25	1.92E-03	1.96E-08	8.86E-05	2.08E-05	2.03E-03	9.05E-04	8.07E-03	6.64E-03	7.62E-04	1.64E-02	8.60E-04	1.61E-08	8.86E-05	2.08E-05	9.70E-04
4653	497863.09	3859877.25	2.02E-03	2.73E-08	9.19E-05	2.06E-05	2.14E-03	9.54E-04	1.12E-02	6.89E-03	7.55E-04	1.98E-02	9.07E-04	2.24E-08	9.19E-05	2.06E-05	1.02E-03
4654	498363.09	3859877.25	1.81E-03	3.01E-08	7.82E-05	1.61E-05	1.91E-03	8.56E-04	1.24E-02	5.86E-03	5.90E-04	1.97E-02	8.14E-04	2.47E-08	7.82E-05	1.61E-05	9.08E-04
4655	471363.09	3860377.25	9.17E-04	1.03E-08	1.42E-05	9.16E-06	9.41E-04	4.33E-04	4.24E-03	1.06E-03	3.36E-04	6.07E-03	4.11E-04	8.45E-09	1.42E-05	9.16E-06	4.35E-04
4656	471863.09	3860377.25	9.94E-04	1.09E-08	1.42E-05	1.00E-05	1.02E-03	4.69E-04	4.48E-03	1.07E-03	3.67E-04	6.39E-03	4.46E-04	8.93E-09	1.42E-05	1.00E-05	4.70E-04
4657	472363.09	3860377.25	1.09E-03	1.23E-08	1.86E-05	1.09E-05	1.12E-03	5.12E-04	5.05E-03	1.39E-03	4.00E-04	7.36E-03	4.87E-04	1.01E-08	1.86E-05	1.09E-05	5.17E-04
4658	472863.09	3860377.25	1.20E-03	1.36E-08	2.32E-05	1.19E-05	1.24E-03	5.68E-04	5.61E-03	1.74E-03	4.35E-04	8.36E-03	5.40E-04	1.12E-08	2.32E-05	1.19E-05	5.75E-04
4659	473363.09	3860377.25	1.26E-03	1.44E-08	2.42E-05	1.28E-05	1.30E-03	5.95E-04	5.93E-03	1.82E-03	4.70E-04	8.81E-03	5.66E-04	1.18E-08	2.42E-05	1.28E-05	6.03E-04
4660	473863.09	3860377.25	1.38E-03	1.44E-08	2.11E-05	1.37E-05	1.42E-03	6.53E-04	5.95E-03	1.58E-03	5.02E-04	8.68E-03	6.21E-04	1.18E-08	2.11E-05	1.37E-05	6.55E-04
4661	474363.09	3860377.25	1.34E-03	1.35E-08	1.87E-05	1.27E-05	1.37E-03	6.31E-04	5.56E-03	1.40E-03	4.67E-04	8.06E-03	6.00E-04	1.11E-08	1.87E-05	1.27E-05	6.32E-04
4662	474863.09	3860377.25	1.34E-03	1.15E-08	2.12E-05	1.33E-05	1.37E-03	6.30E-04	4.72E-03	1.59E-03	4.86E-04	7.43E-03	5.99E-04	9.40E-09	2.12E-05	1.33E-05	6.34E-04
4663	475363.09	3860377.25	1.18E-03	9.07E-09	2.49E-05	1.68E-05	1.22E-03	5.56E-04	3.74E-03	1.87E-03	6.15E-04	6.77E-03	5.29E-04	7.44E-09	2.49E-05	1.68E-05	5.70E-04
4664	475863.09	3860377.25	9.60E-04	7.27E-09	2.89E-05	1.39E-05	1.00E-03	4.53E-04	2.99E-03	2.17E-03	5.11E-04	6.13E-03	4.31E-04	5.96E-09	2.89E-05	1.39E-05	4.74E-04
4665	476363.09	3860377.25	6.84E-04	5.56E-09	3.40E-05	1.05E-05	7.29E-04	3.23E-04	2.29E-03	2.55E-03	3.86E-04	5.55E-03	3.07E-04	4.56E-09	3.40E-05	1.05E-05	3.51E-04
4666	476863.09	3860377.25	6.42E-04	4.53E-09	3.68E-05	1.01E-05	6.89E-04	3.03E-04	1.87E-03	2.76E-03	3.70E-04	5.30E-03	2.88E-04	3.72E-09	3.68E-05	1.01E-05	3.35E-04
4667	477363.09	3860377.25	4.21E-04	3.80E-09	3.72E-05	9.23E-06	4.67E-04	1.99E-04	1.56E-03	2.79E-03	3.38E-04	4.89E-03	1.89E-04	3.12E-09	3.72E-05	9.23E-06	2.35E-04
4668	477863.09	3860377.25	5.55E-04	4.09E-09	4.17E-05	1.00E-05	6.07E-04	2.62E-04	1.68E-03	3.13E-03	3.67E-04	5.44E-03	2.49E-04	3.35E-09	4.17E-05	1.00E-05	3.01E-04
4669	478363.09	3860377.25	1.06E-03	6.64E-09	6.60E-05	1.35E-05	1.14E-03	5.00E-04	2.73E-03	4.95E-03	4.93E-04	8.68E-03	4.75E-04	5.45E-09	6.60E-05	1.35E-05	5.55E-04
4670	478863.09	3860377.25	1.66E-03	1.05E-08	6.72E-05	1.91E-05	1.74E-03	7.82E-04	4.33E-03	5.04E-03	7.01E-04	1.09E-02	7.43E-04	8.62E-09	6.72E-05	1.91E-05	8.30E-04
4671	479363.09	3860377.25	1.99E-03	1.65E-08	6.48E-05	2.39E-05	2.08E-03	9.37E-04	6.79E-03	4.86E-03	8.77E-04	1.35E-02	8.91E-04	1.35E-08	6.48E-05	2.39E-05	9.80E-04
4672	479863.09	3860377.25	2.38E-03	2.26E-08	6.17E-05	1.63E-05	2.46E-03	1.12E-03	9.30E-03	4.62E-03	5.97E-04	1.56E-02	1.07E-03	1.85E-08	6.17E-05	1.63E-05	1.15E-03
4673	480363.09	3860377.25	2.64E-03	2.89E-08	5.71E-05	1.19E-05	2.71E-03	1.25E-03	1.19E-02	4.28E-03	4.35E-04	1.79E-02	1.18E-03	2.37E-08	5.71E-05	1.19E-05	1.25E-03
4674	480863.09	3860377.25	2.70E-03	3.29E-08	5.68E-05	1.08E-05	2.77E-03	1.28E-03	1.36E-02	4.26E-03	3.97E-04	1.95E-02	1.21E-03	2.70E-08	5.68E-05	1.08E-05	1.28E-03
4675	481363.09	3860377.25	2.74E-03	3.70E-08	5.84E-05	1.35E-05	2.82E-03	1.29E-03	1.52E-02	4.38E-03	4.93E-04	2.14E-02	1.23E-03	3.04E-08	5.84E-05	1.35E-05	1.30E-03
4676	481863.09	3860377.25	2.88E-03	4.33E-08	6.33E-05	1.29E-05	2.96E-03	1.36E-03	1.78E-02	4.75E-03	4.73E-04	2.44E-02	1.29E-03	3.55E-08	6.33E-05	1.29E-05	1.37E-03
4677	482363.09	3860377.25	2.90E-03	4.54E-08	4.87E-05	1.67E-05	2.97E-03	1.37E-03	1.87E-02	3.65E-03	6.13E-04	2.44E-02	1.30E-03	3.73E-08	4.87E-05	1.67E-05	1.37E-03
4678	482863.09	3860377.25	2.84E-03	4.88E-08	5.62E-05	1.67E-05	2.91E-03	1.34E-03	2.01E-02	4.22E-03	6.14E-04	2.63E-02	1.27E-03	4.00E-08	5.62E-05	1.67E-05	1.35E-03
4679	483363.09	3860377.25	3.10E-03	5.64E-08	6.97E-05	1.53E-05	3.18E-03	1.46E-03	2.32E-02	5.23E-03	5.61E-04	3.05E-02	1.39E-03	4.63E-08	6.97E-05	1.53E-05	1.47E-03
4680	483863.09	3860377.25	2.88E-03	6.50E-08	6.96E-05	1.82E-05	2.97E-03	1.36E-03	2.68E-02	5.22E-03	6.68E-04	3.40E-02	1.29E-03	5.34E-08	6.96E-05	1.82E-05	1.38E-03
4681	484363.09	3860377.25	2.52E-03	7.32E-08	7.03E-05	1.73E-05	2.61E-03	1.19E-03	3.02E-02	5.27E-03	6.35E-04	3.73E-02	1.13E-03	6.01E-08	7.03E-05	1.73E-05	1.22E-03
4682	484863.09	3860377.25	2.55E-03	8.94E-08	7.73E-05	1.66E-05	2.65E-03	1.20E-03	3.68E-02	5.80E-03	6.10E-04	4.44E-02	1.14E-03	7.33E-08	7.73E-05	1.66E-05	1.24E-03
4683	485363.09	3860377.25	2.37E-03	9.83E-08	6.87E-05	1.50E-05	2.46E-03	1.12E-03	4.05E-02	5.15E-03	5.51E-04	4.73E-02	1.07E-03	8.06E-08	6.87E-05	1.50E-05	1.15E-03
4684	485863.09	3860377.25	2.50E-03	1.16E-07	6.98E-05	1.65E-05	2.58E-03	1.18E-03	4.79E-02	5.24E-03	6.06E-04	5.49E-02	1.12E-03	9.54E-08	6.98E-05	1.65E-05	1.21E-03
4685	486363.09	3860377.25	2.59E-03	1.35E-07	3.87E-05	1.92E-05	2.65E-03	1.22E-03	5.58E-02	2.90E-03	7.03E-04	6.06E-02	1.16E-03	1.11E-07	3.87E-05	1.92E-05	1.22E-03
4686	486863.09	3860377.25	2.73E-03	1.66E-07	3.69E-05	2.36E-05	2.79E-03	1.29E-03	6.86E-02	2.77E-03	8.66E-04	7.35E-02	1.22E-03	1.37E-07	3.69E-05	2.36E-05	1.28E-03
4687	487363.09	3860377.25	3.13E-03	2.53E-07	2.97E-05	2.58E-05	3.18E-03	1.48E-03	1.04E-01	2.23E-03	9.47E-04	1.09E-01	1.40E-03	2.08E-07	2.97E-05	2.58E-05	1.46E-03
4688	487863.09	3860377.25	3.37E-03	5.42E-07	3.11E-05	3.07E-05	3.43E-03	1.59E-03	2.23E-01	2.33E-03	1.13E-03	2.28E-01	1.51E-03	4.45E-07	3.11E-05	3.07E-05	1.57E-03
4689	488363.09	3860377.25	3.48E-03	5.73E-07	5.05E-05	4.63E-05	3.57E-03	1.64E-03	2.36E-01	3.79E-03	1.70E-03	2.43E-01	1.56E-03	4.70E-07	5.05E-05	4.63E-05	1.66E-03
4690	488863.09	3860377.25	4.10E-03	6.09E-07	2.91E-05	5.59E-05	4.18E-03	1.93E-03	2.51E-01	2.18E-03	2.05E-03	2.57E-01	1.84E-03	5.00E-07	2.91E-05	5.59E-05	1.92E-03
4691	489363.09	3860377.25	3.80E-03	3.34E-07	5.82E-05	4.46E-05	3.91E-03	1.79E-03	1.37E-01	4.37E-03	1.63E-03	1.45E-01	1.71E-03	2.74E-07	5.82E-05	4.46E-05	1.81E-03
4692	489863.09	3860377.25	3.86E-03	2.01E-07	8.93E-05	3.48E-05	3.98E-03	1.82E-03	8.29E-02	6.70E-03	1.28E-03	9.27E-02	1.73E-03	1.65E-07	8.93E-05	3.48E-05	1.85E-03
4693	490363.09	3860377.25	3.80E-03	1.47E-07	7.74E-05	3.35E-05	3.91E-03	1.79E-03	6.05E-02	5.80E-03	1.23E-03	6.94E-02	1.70E-03	1.21E-07	7.74E-05	3.35E-05	1.81E-03

4694	490863.09	3860377.25	3.50E-03	1.24E-07	9.16E-05	2.66E-05	3.62E-03	1.65E-03	5.10E-02	6.87E-03	9.76E-04	6.05E-02	1.57E-03	1.02E-07	9.16E-05	2.66E-05	1.69E-03
4695	491363.09	3860377.25	2.80E-03	1.03E-07	6.89E-05	2.39E-05	2.89E-03	1.32E-03	4.25E-02	5.16E-03	8.77E-04	4.98E-02	1.26E-03	8.46E-08	6.89E-05	2.39E-05	1.35E-03
4696	491863.09	3860377.25	2.72E-03	8.89E-08	7.28E-05	2.13E-05	2.81E-03	1.28E-03	3.66E-02	5.46E-03	7.81E-04	4.41E-02	1.22E-03	7.29E-08	7.28E-05	2.13E-05	1.31E-03
4697	492363.09	3860377.25	2.47E-03	8.16E-08	7.46E-05	2.07E-05	2.57E-03	1.17E-03	3.36E-02	5.60E-03	7.60E-04	4.11E-02	1.11E-03	6.69E-08	7.46E-05	2.07E-05	1.20E-03
4698	492863.09	3860377.25	2.63E-03	7.49E-08	6.75E-05	2.03E-05	2.71E-03	1.24E-03	3.08E-02	5.06E-03	7.45E-04	3.79E-02	1.18E-03	6.14E-08	6.75E-05	2.03E-05	1.27E-03
4699	493363.09	3860377.25	2.81E-03	6.53E-08	7.85E-05	1.93E-05	2.90E-03	1.32E-03	2.69E-02	5.89E-03	7.07E-04	3.48E-02	1.26E-03	5.36E-08	7.85E-05	1.93E-05	1.36E-03
4700	493863.09	3860377.25	3.14E-03	6.02E-08	8.01E-05	1.88E-05	3.24E-03	1.48E-03	2.48E-02	6.01E-03	6.90E-04	3.30E-02	1.41E-03	4.94E-08	8.01E-05	1.88E-05	1.51E-03
4701	494363.09	3860377.25	3.04E-03	5.26E-08	9.15E-05	1.81E-05	3.15E-03	1.44E-03	2.17E-02	6.86E-03	6.63E-04	3.06E-02	1.36E-03	4.31E-08	9.15E-05	1.81E-05	1.47E-03
4702	494863.09	3860377.25	2.58E-03	4.95E-08	7.71E-05	1.75E-05	2.67E-03	1.21E-03	2.04E-02	5.78E-03	6.42E-04	2.80E-02	1.16E-03	4.06E-08	7.71E-05	1.75E-05	1.25E-03
4703	495363.09	3860377.25	2.53E-03	4.43E-08	6.52E-05	1.68E-05	2.62E-03	1.19E-03	1.83E-02	4.89E-03	6.14E-04	2.50E-02	1.14E-03	3.64E-08	6.52E-05	1.68E-05	1.22E-03
4704	495863.09	3860377.25	2.33E-03	3.64E-08	6.91E-05	1.87E-05	2.42E-03	1.10E-03	1.50E-02	5.18E-03	6.86E-04	2.20E-02	1.05E-03	2.99E-08	6.91E-05	1.87E-05	1.13E-03
4705	496363.09	3860377.25	2.39E-03	2.88E-08	7.97E-05	2.38E-05	2.49E-03	1.13E-03	1.18E-02	5.97E-03	8.71E-04	1.98E-02	1.07E-03	2.36E-08	7.97E-05	2.38E-05	1.18E-03
4706	496863.09	3860377.25	2.07E-03	2.29E-08	1.00E-04	2.28E-05	2.19E-03	9.76E-04	9.45E-03	7.52E-03	8.36E-04	1.88E-02	9.28E-04	1.88E-08	1.00E-04	2.28E-05	1.05E-03
4707	497363.09	3860377.25	1.81E-03	1.75E-08	1.20E-04	2.16E-05	1.95E-03	8.55E-04	7.21E-03	9.03E-03	7.90E-04	1.79E-02	8.13E-04	1.44E-08	1.20E-04	2.16E-05	9.55E-04
4708	497863.09	3860377.25	1.73E-03	2.40E-08	8.69E-05	2.27E-05	1.84E-03	8.14E-04	9.90E-03	6.52E-03	8.32E-04	1.81E-02	7.74E-04	1.97E-08	8.69E-05	2.27E-05	8.84E-04
4709	498363.09	3860377.25	1.67E-03	3.05E-08	6.80E-05	1.61E-05	1.75E-03	7.85E-04	1.25E-02	5.10E-03	5.92E-04	1.90E-02	7.47E-04	2.50E-08	6.80E-05	1.61E-05	8.31E-04
4710	471363.09	3860877.25	1.01E-03	1.23E-08	1.44E-05	1.01E-05	1.03E-03	4.75E-04	5.07E-03	1.08E-03	3.71E-04	7.00E-03	4.51E-04	1.01E-08	1.44E-05	1.01E-05	4.76E-04
4711	471863.09	3860877.25	1.11E-03	1.33E-08	1.65E-05	1.09E-05	1.14E-03	5.24E-04	5.50E-03	1.24E-03	4.01E-04	7.66E-03	4.98E-04	1.09E-08	1.65E-05	1.09E-05	5.26E-04
4712	472363.09	3860877.25	1.19E-03	1.38E-08	1.89E-05	1.17E-05	1.22E-03	5.63E-04	5.68E-03	1.42E-03	4.30E-04	8.09E-03	5.36E-04	1.13E-08	1.89E-05	1.17E-05	5.66E-04
4713	472863.09	3860877.25	1.17E-03	1.45E-08	2.22E-05	1.13E-05	1.21E-03	5.53E-04	5.98E-03	1.66E-03	4.13E-04	8.61E-03	5.26E-04	1.19E-08	2.22E-05	1.13E-05	5.60E-04
4714	473363.09	3860877.25	1.23E-03	1.44E-08	2.78E-05	1.12E-05	1.27E-03	5.80E-04	5.92E-03	2.08E-03	4.10E-04	8.99E-03	5.51E-04	1.18E-08	2.78E-05	1.12E-05	5.90E-04
4715	473863.09	3860877.25	1.32E-03	1.43E-08	3.05E-05	1.20E-05	1.36E-03	6.22E-04	5.88E-03	2.29E-03	4.41E-04	9.23E-03	5.92E-04	1.17E-08	3.05E-05	1.20E-05	6.34E-04
4716	474363.09	3860877.25	1.27E-03	1.30E-08	3.47E-05	1.28E-05	1.32E-03	6.01E-04	5.37E-03	2.60E-03	4.69E-04	9.04E-03	5.71E-04	1.07E-08	3.47E-05	1.28E-05	6.19E-04
4717	474863.09	3860877.25	1.29E-03	1.31E-08	4.05E-05	1.34E-05	1.34E-03	6.06E-04	5.41E-03	3.04E-03	4.92E-04	9.55E-03	5.76E-04	1.08E-08	4.05E-05	1.34E-05	6.30E-04
4718	475363.09	3860877.25	1.34E-03	1.33E-08	5.62E-05	1.73E-05	1.42E-03	6.33E-04	5.48E-03	4.21E-03	6.33E-04	1.10E-02	6.02E-04	1.09E-08	5.62E-05	1.73E-05	6.75E-04
4719	475863.09	3860877.25	1.34E-03	1.15E-08	5.77E-05	1.79E-05	1.41E-03	6.32E-04	4.75E-03	4.33E-03	6.55E-04	1.04E-02	6.01E-04	9.45E-09	5.77E-05	1.79E-05	6.76E-04
4720	476363.09	3860877.25	1.16E-03	9.47E-09	5.75E-05	1.92E-05	1.24E-03	5.48E-04	3.90E-03	4.31E-03	7.06E-04	9.47E-03	5.21E-04	7.77E-09	5.75E-05	1.92E-05	5.98E-04
4721	476863.09	3860877.25	1.25E-03	8.67E-09	5.81E-05	1.93E-05	1.33E-03	5.91E-04	3.57E-03	4.35E-03	7.09E-04	9.23E-03	5.62E-04	7.11E-09	5.81E-05	1.93E-05	6.39E-04
4722	477363.09	3860877.25	1.26E-03	9.08E-09	5.76E-05	1.92E-05	1.34E-03	5.95E-04	3.74E-03	4.32E-03	7.04E-04	9.36E-03	5.66E-04	7.45E-09	5.76E-05	1.92E-05	6.42E-04
4723	477863.09	3860877.25	1.16E-03	7.52E-09	5.28E-05	1.55E-05	1.23E-03	5.49E-04	3.10E-03	3.96E-03	5.67E-04	8.18E-03	5.22E-04	6.17E-09	5.28E-05	1.55E-05	5.90E-04
4724	478363.09	3860877.25	7.21E-04	4.89E-09	3.94E-05	1.05E-05	7.71E-04	3.40E-04	2.01E-03	2.96E-03	3.84E-04	5.70E-03	3.23E-04	4.01E-09	3.94E-05	1.05E-05	3.73E-04
4725	478863.09	3860877.25	1.56E-03	1.03E-08	5.52E-05	2.18E-05	1.63E-03	7.35E-04	4.24E-03	4.14E-03	7.99E-04	9.91E-03	6.99E-04	8.44E-09	5.52E-05	2.18E-05	7.76E-04
4726	479363.09	3860877.25	1.89E-03	1.59E-08	5.48E-05	2.27E-05	1.97E-03	8.93E-04	6.53E-03	4.11E-03	8.32E-04	1.24E-02	8.49E-04	1.30E-08	5.48E-05	2.27E-05	9.26E-04
4727	479863.09	3860877.25	2.21E-03	2.42E-08	5.27E-05	1.37E-05	2.28E-03	1.04E-03	9.98E-03	3.95E-03	5.01E-04	1.55E-02	9.91E-04	1.99E-08	5.27E-05	1.37E-05	1.06E-03
4728	480363.09	3860877.25	2.25E-03	3.02E-08	5.15E-05	1.04E-05	2.31E-03	1.06E-03	1.25E-02	3.86E-03	3.80E-04	1.78E-02	1.01E-03	2.48E-08	5.15E-05	1.04E-05	1.07E-03
4729	480863.09	3860877.25	2.48E-03	3.28E-08	6.00E-05	1.21E-05	2.55E-03	1.17E-03	1.35E-02	4.50E-03	4.43E-04	1.96E-02	1.11E-03	2.69E-08	6.00E-05	1.21E-05	1.18E-03
4730	481363.09	3860877.25	2.49E-03	3.81E-08	3.81E-05	1.30E-05	2.54E-03	1.18E-03	1.57E-02	2.86E-03	4.78E-04	2.02E-02	1.12E-03	3.13E-08	3.81E-05	1.30E-05	1.17E-03
4731	481863.09	3860877.25	2.63E-03	4.15E-08	5.80E-05	1.39E-05	2.70E-03	1.24E-03	1.71E-02	4.35E-03	5.10E-04	2.32E-02	1.18E-03	3.41E-08	5.80E-05	1.39E-05	1.25E-03
4732	482363.09	3860877.25	2.26E-03	4.37E-08	5.91E-05	1.42E-05	2.33E-03	1.07E-03	1.80E-02	4.44E-03	5.19E-04	2.40E-02	1.01E-03	3.59E-08	5.91E-05	1.42E-05	1.09E-03
4733	482863.09	3860877.25	2.51E-03	4.75E-08	6.40E-05	1.45E-05	2.59E-03	1.18E-03	1.96E-02	4.80E-03	5.33E-04	2.61E-02	1.13E-03	3.89E-08	6.40E-05	1.45E-05	1.20E-03
4734	483363.09	3860877.25	2.64E-03	5.47E-08	6.97E-05	1.55E-05	2.73E-03	1.25E-03	2.25E-02	5.23E-03	5.67E-04	2.96E-02	1.18E-03	4.49E-08	6.97E-05	1.55E-05	1.27E-03
4735	483863.09	3860877.25	2.44E-03	5.88E-08	6.79E-05	1.60E-05	2.52E-03	1.15E-03	2.42E-02	5.09E-03	5.88E-04	3.10E-02	1.09E-03	4.82E-08	6.79E-05	1.60E-05	1.18E-03
4736	484363.09	3860877.25	2.40E-03	6.73E-08	8.03E-05	1.66E-05	2.50E-03	1.13E-03	2.77E-02	6.03E-03	6.10E-04	3.55E-02	1.08E-03	5.52E-08	8.03E-05	1.66E-05	1.17E-03
4737	484863.09	3860877.25	2.18E-03	7.34E-08	6.24E-05	1.73E-05	2.26E-03	1.03E-03	3.02E-02	4.68E-03	6.35E-04	3.66E-02	9.79E-04	6.02E-08	6.24E-05	1.73E-05	1.06E-03
4738	485363.09	3860877.25	2.11E-03	7.81E-08	6.00E-05	1.80E-05	2.19E-03	9.96E-04	3.22E-02	4.50E-03	6.62E-04	3.83E-02	9.47E-04	6.41E-08	6.00E-05	1.80E-05	1.03E-03
4739	485863.09	3860877.25	2.26E-03	8.64E-08	3.48E-05	1.92E-05	2.32E-03	1.07E-03	3.56E-02	2.61E-03	7.04E-04	4.00E-02	1.02E-03	7.09E-08	3.48E-05	1.92E-05	1.07E-03
4740	486363.09	3860877.25	2.30E-03	1.09E-07	3.24E-05	1.90E-05	2.35E-03	1.09E-03	4.50E-02	2.43E-03	6.95E-04	4.92E-02	1.03E-03	8.96E-08	3.24E-05	1.90E-05	1.08E-03
4741	486863.09	3860877.25	2.43E-03	1.30E-07	2.73E-05	2.25E-05	2.48E-03	1.15E-03	5.34E-02	2.05E-03	8.25E-04	5.74E-02	1.09E-03	1.06E-07	2.73E-05	2.25E-05	1.14E-03
4742	487363.09	3860877.25	2.51E-03	1.65E-07	2.76E-05	2.45E-05	2.56E-03	1.18E-03	6.80E-02	2.07E-03	8.98E-04	7.21E-02	1.12E-03	1.35E-07	2.76E-05	2.45E-05	1.18E-03
4743	487863.09	3860877.25	2.80E-03	1.64E-07	3.05E-05	1.81E-05	2.84E-03	1.32E-03	6.76E-02	2.29E-03	6.63E-04	7.19E-02	1.25E-03	1.35E-07	3.05E-05	1.81E-05	1.30E-03
4744	488363.09	3860877.25	3.11E-03	1.82E-07	4.66E-05	2.23E-05	3.18E-03	1.47E-03	7.49E-02	3.50E-03	8.17E-04	8.07E-02	1.39E-03	1.49E-07	4.66E-05	2.23E-05	1.46E-03
4745	488863.09	3860877.25	3.25E-03	1.81E-07	2.39E-05	2.82E-05	3.31E-03	1.53E-03	7.46E-02	1.79E-03	1.04E-03	7.89E-02	1.46E-03	1.49E-07	2.39E-05	2.82E-05	1.51E-03
4746	489363.09	3860877.25	3.25E-03	1.83E-07	1.56E-05	3.68E-05	3.30E-03	1.53E-03	7.54E-02	1.17E-03	1.35E-03	7.94E-02	1.46E-03	1.50E-07	1.56E-05	3.68E-05	1.51E-03
4747	489863.09	3860877.25	3.00E-03	1.37E-07	7.02E-05	3.02E-05	3.10E-03	1.41E-03	5.65E-02	5.26E-03	1.11E-03	6.43E-02	1.34E-03	1.13E-07	7.02E-05	3.02E-05	1.44E-03
4748	490363.09	3860877.25	3.25E-03	1.11E-07	7.39E-05	2.65E-05	3.35E-03	1.53E-03	4.58E-02	5.54E-03	9.72E-04	5.38E-02	1.46E-03	9.11E-08	7.39E-05	2.65E-05	1.56E-03
4749	490863.09	3860877.25	3.12E-03	1.02E-07	6.68E-05	2.08E-05	3.20E-03	1.47E-03	4.20E-02	5.01E-03	7.63E-04	4.93E-02	1.40E-03	8.37E-08	6.68E-05	2.08E-05	1.49E-03
4750	491363.09	3860877.25	2.71E-03	9.21E-08	8.15E-05	1.80E-05	2.81E-03	1.28E-03	3.79E-02	6.11E-03	6.60E-04	4.60E-02	1.21E-03	7.56E-08	8.15E-05	1.80E-05	1.31E-03
4751	491863.09	3860877.25	2.55E-03	7.97E-08	5.46E-05	1.81E-05	2.62E-03	1.20E-03	3.28E-02	4.10E-03	6.62E-04	3.88E-02	1.14E-03	6.54E-08	5.46E-05	1.81E-05	1.22E-03
4752	492363.09	3860877.25	2.28E-03	6.70E-08	6.01E-05	1.90E-05	2.36E-03	1.08E-03	2.76E-02	4.50E-03	6.98E-04	3.39E-02	1.02E-03	5.50E-08	6.01E-05	1.90E-05	1.10E-03
4753	492863.09	3860877.25	2.19E-03	6.03E-08	6.04E-05	1.83E-05	2.27E-03	1.03E-03	2.49E-02	4.53E-03	6.69E-04	3.11E-02	9.83E-04	4.95E-08	6.04E-05	1.83E-05	1.06E-03
4754	493363.09	3860877.25	2.16E-03	5.78E-08	6.99E-05	1.78E-05	2.24E-03	1.02E-03	2.38E-02	5.25E-03	6.52E-04	3.07E-02	9.67E-04	4.74E-08	6.99E-05	1.78E-05	1.05E-03

4755	493863.09	3860877.25	2.25E-03	5.30E-08	5.70E-05	1.58E-05	2.32E-03	1.06E-03	2.18E-02	4.28E-03	5.81E-04	2.77E-02	1.01E-03	4.35E-08	5.70E-05	1.58E-05	1.08E-03
4756	494363.09	3860877.25	2.24E-03	4.83E-08	5.28E-05	1.65E-05	2.31E-03	1.06E-03	1.99E-02	3.96E-03	6.03E-04	2.55E-02	1.00E-03	3.97E-08	5.28E-05	1.65E-05	1.07E-03
4757	494863.09	3860877.25	2.62E-03	4.53E-08	6.78E-05	1.63E-05	2.71E-03	1.24E-03	1.87E-02	5.08E-03	5.97E-04	2.56E-02	1.18E-03	3.72E-08	6.78E-05	1.63E-05	1.26E-03
4758	495363.09	3860877.25	2.58E-03	4.21E-08	6.81E-05	1.59E-05	2.67E-03	1.22E-03	1.74E-02	5.10E-03	5.84E-04	2.43E-02	1.16E-03	3.46E-08	6.81E-05	1.59E-05	1.24E-03
4759	495863.09	3860877.25	2.19E-03	3.94E-08	8.00E-05	1.56E-05	2.29E-03	1.03E-03	1.62E-02	6.00E-03	5.71E-04	2.38E-02	9.82E-04	3.23E-08	8.00E-05	1.56E-05	1.08E-03
4760	496363.09	3860877.25	2.26E-03	3.78E-08	6.52E-05	1.48E-05	2.34E-03	1.06E-03	1.56E-02	4.89E-03	5.42E-04	2.20E-02	1.01E-03	3.10E-08	6.52E-05	1.48E-05	1.09E-03
4761	496863.09	3860877.25	2.10E-03	3.07E-08	6.41E-05	1.84E-05	2.19E-03	9.92E-04	1.27E-02	4.81E-03	6.75E-04	1.91E-02	9.44E-04	2.52E-08	6.41E-05	1.84E-05	1.03E-03
4762	497363.09	3860877.25	2.04E-03	2.98E-08	6.27E-05	1.74E-05	2.12E-03	9.64E-04	1.23E-02	4.70E-03	6.39E-04	1.86E-02	9.17E-04	2.45E-08	6.27E-05	1.74E-05	9.97E-04
4763	497863.09	3860877.25	2.06E-03	2.67E-08	7.38E-05	1.96E-05	2.16E-03	9.73E-04	1.10E-02	5.54E-03	7.17E-04	1.82E-02	9.25E-04	2.19E-08	7.38E-05	1.96E-05	1.02E-03
4764	498363.09	3860877.25	1.63E-03	2.91E-08	5.50E-05	1.48E-05	1.70E-03	7.69E-04	1.20E-02	4.13E-03	5.42E-04	1.74E-02	7.31E-04	2.38E-08	5.50E-05	1.48E-05	8.01E-04
4765	471363.09	3861377.25	1.08E-03	1.28E-08	2.66E-05	1.14E-05	1.12E-03	5.08E-04	5.26E-03	1.99E-03	4.17E-04	8.18E-03	4.83E-04	1.05E-08	2.66E-05	1.14E-05	5.21E-04
4766	471863.09	3861377.25	1.05E-03	1.25E-08	2.91E-05	1.12E-05	1.09E-03	4.94E-04	5.14E-03	2.18E-03	4.12E-04	8.22E-03	4.70E-04	1.02E-08	2.91E-05	1.12E-05	5.10E-04
4767	472363.09	3861377.25	1.16E-03	1.19E-08	3.11E-05	1.15E-05	1.20E-03	5.45E-04	4.92E-03	2.33E-03	4.23E-04	8.22E-03	5.18E-04	9.79E-09	3.11E-05	1.15E-05	5.61E-04
4768	472863.09	3861377.25	1.15E-03	1.20E-08	3.70E-05	1.08E-05	1.20E-03	5.42E-04	4.94E-03	2.78E-03	3.96E-04	8.65E-03	5.15E-04	9.83E-09	3.70E-05	1.08E-05	5.63E-04
4769	473363.09	3861377.25	1.11E-03	1.27E-08	4.15E-05	1.13E-05	1.17E-03	5.26E-04	5.22E-03	3.12E-03	4.15E-04	9.27E-03	5.00E-04	1.04E-08	4.15E-05	1.13E-05	5.53E-04
4770	473863.09	3861377.25	1.11E-03	1.43E-08	4.59E-05	1.19E-05	1.17E-03	5.25E-04	5.90E-03	3.44E-03	4.36E-04	1.03E-02	4.99E-04	1.17E-08	4.59E-05	1.19E-05	5.57E-04
4771	474363.09	3861377.25	1.25E-03	1.66E-08	4.96E-05	1.21E-05	1.31E-03	5.88E-04	6.83E-03	3.72E-03	4.44E-04	1.16E-02	5.59E-04	1.36E-08	4.96E-05	1.21E-05	6.21E-04
4772	474863.09	3861377.25	1.20E-03	1.56E-08	4.96E-05	1.38E-05	1.26E-03	5.65E-04	6.41E-03	3.72E-03	5.07E-04	1.12E-02	5.37E-04	1.28E-08	4.96E-05	1.38E-05	6.01E-04
4773	475363.09	3861377.25	1.26E-03	1.59E-08	4.94E-05	1.33E-05	1.32E-03	5.92E-04	6.56E-03	3.71E-03	4.89E-04	1.13E-02	5.63E-04	1.31E-08	4.94E-05	1.33E-05	6.26E-04
4774	475863.09	3861377.25	1.30E-03	1.50E-08	4.77E-05	1.60E-05	1.36E-03	6.13E-04	6.18E-03	3.57E-03	5.85E-04	1.09E-02	5.83E-04	1.23E-08	4.77E-05	1.60E-05	6.47E-04
4775	476363.09	3861377.25	1.38E-03	1.46E-08	4.41E-05	1.54E-05	1.44E-03	6.49E-04	6.00E-03	3.31E-03	5.66E-04	1.05E-02	6.17E-04	1.20E-08	4.41E-05	1.54E-05	6.77E-04
4776	476863.09	3861377.25	1.38E-03	1.45E-08	4.09E-05	1.61E-05	1.44E-03	6.52E-04	5.99E-03	3.07E-03	5.91E-04	1.03E-02	6.20E-04	1.19E-08	4.09E-05	1.61E-05	6.77E-04
4777	477363.09	3861377.25	1.55E-03	1.38E-08	4.82E-05	1.49E-05	1.62E-03	7.33E-04	5.70E-03	3.61E-03	5.46E-04	1.06E-02	6.97E-04	1.14E-08	4.82E-05	1.49E-05	7.60E-04
4778	477863.09	3861377.25	1.41E-03	1.08E-08	4.85E-05	2.04E-05	1.48E-03	6.66E-04	4.45E-03	3.64E-03	7.46E-04	9.50E-03	6.33E-04	8.86E-09	4.85E-05	2.04E-05	7.02E-04
4779	478363.09	3861377.25	8.97E-04	5.66E-09	4.44E-05	1.12E-05	9.53E-04	4.23E-04	2.33E-03	3.33E-03	4.11E-04	6.49E-03	4.02E-04	4.65E-09	4.44E-05	1.12E-05	4.58E-04
4780	478863.09	3861377.25	1.09E-03	6.84E-09	5.16E-05	1.22E-05	1.15E-03	5.14E-04	2.82E-03	3.87E-03	4.48E-04	7.65E-03	4.89E-04	5.62E-09	5.16E-05	1.22E-05	5.52E-04
4781	479363.09	3861377.25	1.76E-03	1.38E-08	5.96E-05	2.24E-05	1.84E-03	8.30E-04	5.68E-03	4.47E-03	8.20E-04	1.18E-02	7.89E-04	1.13E-08	5.96E-05	2.24E-05	8.71E-04
4782	479863.09	3861377.25	1.99E-03	2.26E-08	5.58E-05	1.68E-05	2.06E-03	9.36E-04	9.33E-03	4.18E-03	6.17E-04	1.51E-02	8.90E-04	1.86E-08	5.58E-05	1.68E-05	9.63E-04
4783	480363.09	3861377.25	2.10E-03	3.13E-08	3.53E-05	1.11E-05	2.14E-03	9.89E-04	1.29E-02	2.65E-03	4.08E-04	1.69E-02	9.41E-04	2.57E-08	3.53E-05	1.11E-05	9.87E-04
4784	480863.09	3861377.25	2.14E-03	3.57E-08	5.08E-05	1.31E-05	2.20E-03	1.01E-03	1.47E-02	3.81E-03	4.82E-04	2.00E-02	9.58E-04	2.93E-08	5.08E-05	1.31E-05	1.02E-03
4785	481363.09	3861377.25	2.20E-03	3.60E-08	5.12E-05	1.28E-05	2.26E-03	1.04E-03	1.48E-02	3.84E-03	4.68E-04	2.02E-02	9.87E-04	2.96E-08	5.12E-05	1.28E-05	1.05E-03
4786	481863.09	3861377.25	1.93E-03	3.73E-08	5.65E-05	1.37E-05	2.00E-03	9.12E-04	1.54E-02	4.24E-03	5.03E-04	2.10E-02	8.67E-04	3.06E-08	5.65E-05	1.37E-05	9.38E-04
4787	482363.09	3861377.25	2.17E-03	4.24E-08	6.02E-05	1.40E-05	2.25E-03	1.03E-03	1.75E-02	4.52E-03	5.13E-04	2.35E-02	9.75E-04	3.48E-08	6.02E-05	1.40E-05	1.05E-03
4788	482863.09	3861377.25	2.41E-03	4.67E-08	6.31E-05	1.38E-05	2.49E-03	1.14E-03	1.92E-02	4.73E-03	5.08E-04	2.56E-02	1.08E-03	3.83E-08	6.31E-05	1.38E-05	1.16E-03
4789	483363.09	3861377.25	2.26E-03	4.78E-08	6.54E-05	1.51E-05	2.34E-03	1.07E-03	1.97E-02	4.90E-03	5.52E-04	2.62E-02	1.01E-03	3.92E-08	6.54E-05	1.51E-05	1.10E-03
4790	483863.09	3861377.25	2.18E-03	5.04E-08	7.12E-05	1.49E-05	2.27E-03	1.03E-03	2.07E-02	5.34E-03	5.45E-04	2.77E-02	9.77E-04	4.13E-08	7.12E-05	1.49E-05	1.06E-03
4791	484363.09	3861377.25	2.27E-03	5.76E-08	6.32E-05	1.43E-05	2.35E-03	1.07E-03	2.37E-02	4.74E-03	5.25E-04	3.00E-02	1.02E-03	4.72E-08	6.32E-05	1.43E-05	1.10E-03
4792	484863.09	3861377.25	1.91E-03	6.10E-08	5.74E-05	1.47E-05	1.98E-03	8.99E-04	2.51E-02	4.30E-03	5.41E-04	3.09E-02	8.54E-04	5.01E-08	5.74E-05	1.47E-05	9.27E-04
4793	485363.09	3861377.25	1.84E-03	6.67E-08	3.24E-05	1.76E-05	1.89E-03	8.69E-04	2.75E-02	2.43E-03	6.47E-04	3.14E-02	8.27E-04	5.47E-08	3.24E-05	1.76E-05	8.77E-04
4794	485863.09	3861377.25	1.88E-03	7.28E-08	4.15E-05	1.64E-05	1.94E-03	8.87E-04	3.00E-02	3.11E-03	6.02E-04	3.46E-02	8.43E-04	5.98E-08	4.15E-05	1.64E-05	9.01E-04
4795	486363.09	3861377.25	2.03E-03	8.21E-08	4.18E-05	1.70E-05	2.09E-03	9.58E-04	3.38E-02	3.13E-03	6.25E-04	3.86E-02	9.11E-04	6.74E-08	4.18E-05	1.70E-05	9.69E-04
4796	486863.09	3861377.25	2.14E-03	8.57E-08	2.54E-05	1.60E-05	2.18E-03	1.01E-03	3.53E-02	1.90E-03	5.87E-04	3.88E-02	9.61E-04	7.04E-08	2.54E-05	1.60E-05	1.00E-03
4797	487363.09	3861377.25	2.20E-03	9.88E-08	2.34E-05	1.76E-05	2.24E-03	1.04E-03	4.07E-02	1.76E-03	6.47E-04	4.42E-02	9.85E-04	8.11E-08	2.34E-05	1.76E-05	1.03E-03
4798	487863.09	3861377.25	2.44E-03	9.14E-08	3.23E-05	1.40E-05	2.49E-03	1.15E-03	3.77E-02	2.42E-03	5.15E-04	4.17E-02	1.10E-03	7.50E-08	3.23E-05	1.40E-05	1.14E-03
4799	488363.09	3861377.25	2.52E-03	1.04E-07	4.55E-05	1.54E-05	2.58E-03	1.19E-03	4.28E-02	3.41E-03	5.64E-04	4.80E-02	1.13E-03	8.53E-08	4.55E-05	1.54E-05	1.19E-03
4800	488863.09	3861377.25	2.63E-03	1.04E-07	1.72E-05	2.14E-05	2.67E-03	1.24E-03	4.30E-02	1.29E-03	7.83E-04	4.64E-02	1.18E-03	8.57E-08	1.72E-05	2.14E-05	1.22E-03
4801	489363.09	3861377.25	2.84E-03	1.05E-07	1.75E-05	2.47E-05	2.88E-03	1.34E-03	4.32E-02	1.31E-03	9.05E-04	4.67E-02	1.27E-03	8.60E-08	1.75E-05	2.47E-05	1.32E-03
4802	489863.09	3861377.25	2.72E-03	1.08E-07	4.65E-05	3.04E-05	2.80E-03	1.28E-03	4.43E-02	3.48E-03	1.12E-03	5.02E-02	1.22E-03	8.83E-08	4.65E-05	3.04E-05	1.30E-03
4803	490363.09	3861377.25	2.60E-03	9.26E-08	7.42E-05	2.60E-05	2.70E-03	1.23E-03	3.81E-02	5.56E-03	9.54E-04	4.59E-02	1.17E-03	7.60E-08	7.42E-05	2.60E-05	1.27E-03
4804	490863.09	3861377.25	2.75E-03	8.49E-08	7.12E-05	2.39E-05	2.85E-03	1.30E-03	3.50E-02	5.34E-03	8.77E-04	4.25E-02	1.23E-03	6.96E-08	7.12E-05	2.39E-05	1.33E-03
4805	491363.09	3861377.25	2.68E-03	7.55E-08	5.79E-05	2.29E-05	2.76E-03	1.26E-03	3.11E-02	4.34E-03	8.40E-04	3.75E-02	1.20E-03	6.19E-08	5.79E-05	2.29E-05	1.28E-03
4806	491863.09	3861377.25	2.28E-03	7.54E-08	7.16E-05	1.80E-05	2.37E-03	1.08E-03	3.11E-02	5.37E-03	6.60E-04	3.82E-02	1.02E-03	6.19E-08	7.16E-05	1.80E-05	1.11E-03
4807	492363.09	3861377.25	2.18E-03	6.37E-08	5.48E-05	1.76E-05	2.26E-03	1.03E-03	2.62E-02	4.11E-03	6.44E-04	3.20E-02	9.79E-04	5.23E-08	5.48E-05	1.76E-05	1.05E-03
4808	492863.09	3861377.25	2.00E-03	5.87E-08	4.86E-05	1.66E-05	2.07E-03	9.45E-04	2.42E-02	3.64E-03	6.09E-04	2.94E-02	8.99E-04	4.82E-08	4.86E-05	1.66E-05	9.64E-04
4809	493363.09	3861377.25	1.95E-03	5.07E-08	5.34E-05	1.78E-05	2.02E-03	9.18E-04	2.09E-02	4.00E-03	6.53E-04	2.65E-02	8.73E-04	4.16E-08	5.34E-05	1.78E-05	9.44E-04
4810	493863.09	3861377.25	1.74E-03	4.55E-08	5.30E-05	1.46E-05	1.81E-03	8.20E-04	1.88E-02	3.97E-03	5.35E-04	2.41E-02	7.80E-04	3.74E-08	5.30E-05	1.46E-05	8.48E-04
4811	494363.09	3861377.25	1.82E-03	4.24E-08	5.61E-05	1.37E-05	1.89E-03	8.58E-04	1.75E-02	4.21E-03	5.02E-04	2.31E-02	8.16E-04	3.48E-08	5.61E-05	1.37E-05	8.86E-04
4812	494863.09	3861377.25	1.86E-03	4.06E-08	4.92E-05	1.33E-05	1.92E-03	8.77E-04	1.67E-02	3.69E-03	4.89E-04	2.18E-02	8.34E-04	3.33E-08	4.92E-05	1.33E-05	8.96E-04
4813	495363.09	3861377.25	1.87E-03	3.86E-08	4.44E-05	1.37E-05	1.93E-03	8.83E-04	1.59E-02	3.33E-03	5.04E-04	2.06E-02	8.39E-04	3.17E-08	4.44E-05	1.37E-05	8.97E-04
4814	495863.09	3861377.25	2.18E-03	3.69E-08	5.11E-05	1.43E-05	2.25E-03	1.03E-03	1.52E-02	3.83E-03	5.23E-04	2.06E-02	9.79E-04	3.03E-08	5.11E-05	1.43E-05	1.04E-03
4815	496363.09	3861377.25	2.20E-03	3.40E-08	5.23E-05	1.50E-05	2.27E-03	1.04E-03	1.40E-02	3.92E-03	5.51E-04	1.95E-02	9.89E-04	2.79E-08	5.23E-05	1.50E-05	1.06E-03

4816	496863.09	3861377.25	1.92E-03	3.33E-08	6.42E-05	1.55E-05	2.00E-03	9.06E-04	1.37E-02	4.81E-03	5.67E-04	2.00E-02	8.61E-04	2.73E-08	6.42E-05	1.55E-05	9.41E-04
4817	497363.09	3861377.25	1.92E-03	3.27E-08	7.29E-05	1.50E-05	2.01E-03	9.08E-04	1.35E-02	5.46E-03	5.49E-04	2.04E-02	8.63E-04	2.68E-08	7.29E-05	1.50E-05	9.51E-04
4818	497863.09	3861377.25	1.86E-03	3.09E-08	5.77E-05	1.49E-05	1.93E-03	8.77E-04	1.27E-02	4.33E-03	5.47E-04	1.85E-02	8.34E-04	2.54E-08	5.77E-05	1.49E-05	9.07E-04
4819	498363.09	3861377.25	1.66E-03	2.96E-08	5.71E-05	1.47E-05	1.73E-03	7.84E-04	1.22E-02	4.28E-03	5.40E-04	1.78E-02	7.46E-04	2.43E-08	5.71E-05	1.47E-05	8.17E-04
4820	471363.09	3861877.25	1.02E-03	1.12E-08	3.83E-05	1.05E-05	1.07E-03	4.82E-04	4.61E-03	2.87E-03	3.86E-04	8.35E-03	4.58E-04	9.18E-09	3.83E-05	1.05E-05	5.07E-04
4821	471863.09	3861877.25	1.01E-03	1.19E-08	4.18E-05	1.05E-05	1.06E-03	4.77E-04	4.91E-03	3.13E-03	3.85E-04	8.91E-03	4.54E-04	9.78E-09	4.18E-05	1.05E-05	5.06E-04
4822	472363.09	3861877.25	9.88E-04	1.29E-08	4.46E-05	1.11E-05	1.04E-03	4.66E-04	5.32E-03	3.35E-03	4.06E-04	9.54E-03	4.43E-04	1.06E-08	4.46E-05	1.11E-05	4.99E-04
4823	472863.09	3861877.25	1.03E-03	1.42E-08	4.40E-05	1.07E-05	1.09E-03	4.88E-04	5.86E-03	3.30E-03	3.92E-04	1.00E-02	4.64E-04	1.17E-08	4.40E-05	1.07E-05	5.18E-04
4824	473363.09	3861877.25	1.08E-03	1.55E-08	4.39E-05	1.02E-05	1.13E-03	5.08E-04	6.40E-03	3.29E-03	3.73E-04	1.06E-02	4.83E-04	1.27E-08	4.39E-05	1.02E-05	5.37E-04
4825	473863.09	3861877.25	1.11E-03	1.57E-08	4.31E-05	1.13E-05	1.16E-03	5.21E-04	6.46E-03	3.23E-03	4.15E-04	1.06E-02	4.96E-04	1.29E-08	4.31E-05	1.13E-05	5.50E-04
4826	474363.09	3861877.25	1.12E-03	1.49E-08	4.05E-05	1.14E-05	1.17E-03	5.29E-04	6.14E-03	3.04E-03	4.16E-04	1.01E-02	5.03E-04	1.22E-08	4.05E-05	1.14E-05	5.54E-04
4827	474863.09	3861877.25	1.19E-03	1.53E-08	3.72E-05	1.19E-05	1.24E-03	5.60E-04	6.29E-03	2.79E-03	4.36E-04	1.01E-02	5.33E-04	1.25E-08	3.72E-05	1.19E-05	5.82E-04
4828	475363.09	3861877.25	1.27E-03	1.69E-08	3.60E-05	1.22E-05	1.32E-03	6.00E-04	6.95E-03	2.70E-03	4.49E-04	1.07E-02	5.71E-04	1.38E-08	3.60E-05	1.22E-05	6.19E-04
4829	475863.09	3861877.25	1.29E-03	1.79E-08	3.86E-05	1.11E-05	1.34E-03	6.06E-04	7.35E-03	2.89E-03	4.05E-04	1.13E-02	5.76E-04	1.46E-08	3.86E-05	1.11E-05	6.26E-04
4830	476363.09	3861877.25	1.33E-03	1.77E-08	3.91E-05	1.29E-05	1.38E-03	6.25E-04	7.29E-03	2.93E-03	4.73E-04	1.13E-02	5.95E-04	1.45E-08	3.91E-05	1.29E-05	6.47E-04
4831	476863.09	3861877.25	1.45E-03	1.73E-08	4.02E-05	1.30E-05	1.51E-03	6.85E-04	7.12E-03	3.01E-03	4.76E-04	1.13E-02	6.51E-04	1.42E-08	4.02E-05	1.30E-05	7.05E-04
4832	477363.09	3861877.25	1.42E-03	1.69E-08	4.41E-05	1.42E-05	1.47E-03	6.68E-04	6.97E-03	3.31E-03	5.22E-04	1.15E-02	6.35E-04	1.39E-08	4.41E-05	1.42E-05	6.93E-04
4833	477863.09	3861877.25	1.37E-03	1.07E-08	5.04E-05	2.18E-05	1.44E-03	6.46E-04	4.41E-03	3.78E-03	7.99E-04	9.64E-03	6.14E-04	8.79E-09	5.04E-05	2.18E-05	6.86E-04
4834	478363.09	3861877.25	7.22E-04	4.62E-09	4.71E-05	9.19E-06	7.78E-04	3.40E-04	1.90E-03	3.53E-03	3.37E-04	6.11E-03	3.24E-04	3.79E-09	4.71E-05	9.19E-06	3.80E-04
4835	478863.09	3861877.25	1.24E-03	7.58E-09	5.13E-05	1.37E-05	1.31E-03	5.86E-04	3.12E-03	3.85E-03	5.03E-04	8.06E-03	5.58E-04	6.22E-09	5.13E-05	1.37E-05	6.23E-04
4836	479363.09	3861877.25	1.08E-03	6.62E-09	4.14E-05	1.22E-05	1.13E-03	5.09E-04	2.73E-03	3.11E-03	4.46E-04	6.79E-03	4.84E-04	5.43E-09	4.14E-05	1.22E-05	5.38E-04
4837	479863.09	3861877.25	1.91E-03	2.28E-08	4.97E-05	1.53E-05	1.98E-03	9.03E-04	9.39E-03	3.73E-03	5.60E-04	1.46E-02	8.58E-04	1.87E-08	4.97E-05	1.53E-05	9.23E-04
4838	480363.09	3861877.25	1.98E-03	3.00E-08	4.47E-05	1.23E-05	2.04E-03	9.34E-04	1.23E-02	3.35E-03	4.51E-04	1.71E-02	8.88E-04	2.46E-08	4.47E-05	1.23E-05	9.45E-04
4839	480863.09	3861877.25	1.88E-03	3.12E-08	5.33E-05	1.18E-05	1.95E-03	8.88E-04	1.28E-02	4.00E-03	4.32E-04	1.82E-02	8.45E-04	2.56E-08	5.33E-05	1.18E-05	9.10E-04
4840	481363.09	3861877.25	1.65E-03	3.48E-08	5.44E-05	1.19E-05	1.72E-03	7.80E-04	1.43E-02	4.08E-03	4.37E-04	1.96E-02	7.42E-04	2.86E-08	5.44E-05	1.19E-05	8.08E-04
4841	481863.09	3861877.25	1.85E-03	3.57E-08	6.03E-05	1.40E-05	1.92E-03	8.71E-04	1.47E-02	4.52E-03	5.12E-04	2.06E-02	8.28E-04	2.93E-08	6.03E-05	1.40E-05	9.02E-04
4842	482363.09	3861877.25	1.95E-03	3.99E-08	5.58E-05	1.28E-05	2.02E-03	9.19E-04	1.64E-02	4.18E-03	4.68E-04	2.20E-02	8.74E-04	3.27E-08	5.58E-05	1.28E-05	9.42E-04
4843	482863.09	3861877.25	2.10E-03	4.20E-08	6.13E-05	1.30E-05	2.17E-03	9.89E-04	1.73E-02	4.59E-03	4.78E-04	2.34E-02	9.41E-04	3.45E-08	6.13E-05	1.30E-05	1.01E-03
4844	483363.09	3861877.25	2.04E-03	4.39E-08	5.82E-05	1.57E-05	2.11E-03	9.61E-04	1.81E-02	4.36E-03	5.75E-04	2.40E-02	9.14E-04	3.61E-08	5.82E-05	1.57E-05	9.88E-04
4845	483863.09	3861877.25	1.98E-03	4.60E-08	5.57E-05	1.47E-05	2.05E-03	9.33E-04	1.90E-02	4.18E-03	5.39E-04	2.46E-02	8.87E-04	3.78E-08	5.57E-05	1.47E-05	9.57E-04
4846	484363.09	3861877.25	1.90E-03	5.04E-08	4.98E-05	1.62E-05	1.96E-03	8.95E-04	2.08E-02	3.73E-03	5.95E-04	2.60E-02	8.51E-04	4.14E-08	4.98E-05	1.62E-05	9.17E-04
4847	484863.09	3861877.25	1.84E-03	5.27E-08	4.00E-05	1.58E-05	1.89E-03	8.66E-04	2.17E-02	3.00E-03	5.79E-04	2.62E-02	8.23E-04	4.32E-08	4.00E-05	1.58E-05	8.79E-04
4848	485363.09	3861877.25	1.63E-03	5.65E-08	2.93E-05	1.61E-05	1.68E-03	7.71E-04	2.33E-02	2.20E-03	5.91E-04	2.69E-02	7.33E-04	4.64E-08	2.93E-05	1.61E-05	7.79E-04
4849	485863.09	3861877.25	1.67E-03	5.94E-08	4.43E-05	1.58E-05	1.73E-03	7.85E-04	2.45E-02	3.32E-03	5.81E-04	2.92E-02	7.47E-04	4.88E-08	4.43E-05	1.58E-05	8.07E-04
4850	486363.09	3861877.25	1.81E-03	6.35E-08	2.80E-05	1.29E-05	1.85E-03	8.54E-04	2.61E-02	2.10E-03	4.74E-04	2.96E-02	8.12E-04	5.21E-08	2.80E-05	1.29E-05	8.53E-04
4851	486863.09	3861877.25	1.87E-03	6.23E-08	2.37E-05	1.33E-05	1.90E-03	8.80E-04	2.57E-02	1.78E-03	4.88E-04	2.88E-02	8.37E-04	5.11E-08	2.37E-05	1.33E-05	8.74E-04
4852	487363.09	3861877.25	2.08E-03	6.81E-08	2.21E-05	1.09E-05	2.12E-03	9.82E-04	2.81E-02	1.66E-03	3.99E-04	3.11E-02	9.34E-04	5.59E-08	2.21E-05	1.09E-05	9.67E-04
4853	487863.09	3861877.25	2.14E-03	6.57E-08	3.76E-05	1.35E-05	2.20E-03	1.01E-03	2.71E-02	2.82E-03	4.95E-04	3.14E-02	9.62E-04	5.39E-08	3.76E-05	1.35E-05	1.01E-03
4854	488363.09	3861877.25	2.27E-03	7.27E-08	4.98E-05	1.39E-05	2.33E-03	1.07E-03	2.99E-02	3.74E-03	5.10E-04	3.53E-02	1.02E-03	5.96E-08	4.98E-05	1.39E-05	1.08E-03
4855	488863.09	3861877.25	2.30E-03	7.83E-08	1.90E-05	1.65E-05	2.34E-03	1.08E-03	3.23E-02	1.43E-03	6.06E-04	3.54E-02	1.03E-03	6.43E-08	1.90E-05	1.65E-05	1.07E-03
4856	489363.09	3861877.25	2.47E-03	7.83E-08	1.87E-05	1.98E-05	2.51E-03	1.17E-03	3.23E-02	1.40E-03	7.26E-04	3.56E-02	1.11E-03	6.43E-08	1.87E-05	1.98E-05	1.15E-03
4857	489863.09	3861877.25	2.39E-03	7.92E-08	1.27E-05	2.30E-05	2.43E-03	1.13E-03	3.26E-02	9.54E-04	8.45E-04	3.56E-02	1.07E-03	6.50E-08	1.27E-05	2.30E-05	1.11E-03
4858	490363.09	3861877.25	2.40E-03	7.71E-08	4.59E-05	2.71E-05	2.48E-03	1.13E-03	3.18E-02	3.44E-03	9.93E-04	3.73E-02	1.08E-03	6.33E-08	4.59E-05	2.71E-05	1.15E-03
4859	490863.09	3861877.25	2.32E-03	7.05E-08	6.92E-05	2.52E-05	2.41E-03	1.09E-03	2.91E-02	5.19E-03	9.23E-04	3.63E-02	1.04E-03	5.79E-08	6.92E-05	2.52E-05	1.13E-03
4860	491363.09	3861877.25	2.30E-03	6.29E-08	5.91E-05	2.12E-05	2.38E-03	1.08E-03	2.59E-02	4.43E-03	7.77E-04	3.22E-02	1.03E-03	5.16E-08	5.91E-05	2.12E-05	1.11E-03
4861	491863.09	3861877.25	2.35E-03	5.52E-08	5.11E-05	1.98E-05	2.42E-03	1.11E-03	2.27E-02	3.83E-03	7.27E-04	2.84E-02	1.05E-03	4.53E-08	5.11E-05	1.98E-05	1.13E-03
4862	492363.09	3861877.25	2.06E-03	5.33E-08	7.54E-05	1.88E-05	2.16E-03	9.73E-04	2.20E-02	5.65E-03	6.91E-04	2.93E-02	9.25E-04	4.38E-08	7.54E-05	1.88E-05	1.02E-03
4863	492863.09	3861877.25	1.96E-03	5.73E-08	5.52E-05	1.82E-05	2.03E-03	9.25E-04	2.36E-02	4.14E-03	6.68E-04	2.93E-02	8.79E-04	4.70E-08	5.52E-05	1.82E-05	9.53E-04
4864	493363.09	3861877.25	1.76E-03	5.32E-08	4.50E-05	1.70E-05	1.82E-03	8.29E-04	2.19E-02	3.38E-03	6.22E-04	2.67E-02	7.89E-04	4.36E-08	4.50E-05	1.70E-05	8.51E-04
4865	493863.09	3861877.25	1.66E-03	4.74E-08	4.30E-05	1.60E-05	1.72E-03	7.81E-04	1.95E-02	3.23E-03	5.85E-04	2.41E-02	7.43E-04	3.89E-08	4.30E-05	1.60E-05	8.02E-04
4866	494363.09	3861877.25	1.63E-03	4.22E-08	4.64E-05	1.48E-05	1.69E-03	7.67E-04	1.74E-02	3.48E-03	5.41E-04	2.22E-02	7.29E-04	3.46E-08	4.64E-05	1.48E-05	7.90E-04
4867	494863.09	3861877.25	1.57E-03	3.53E-08	4.70E-05	1.45E-05	1.64E-03	7.42E-04	1.45E-02	3.52E-03	5.31E-04	1.93E-02	7.06E-04	2.89E-08	4.70E-05	1.45E-05	7.67E-04
4868	495363.09	3861877.25	1.58E-03	3.38E-08	4.79E-05	1.31E-05	1.64E-03	7.45E-04	1.39E-02	3.59E-03	4.79E-04	1.88E-02	7.09E-04	2.78E-08	4.79E-05	1.31E-05	7.70E-04
4869	495863.09	3861877.25	1.61E-03	3.30E-08	4.30E-05	1.25E-05	1.66E-03	7.58E-04	1.36E-02	3.23E-03	4.60E-04	1.80E-02	7.21E-04	2.71E-08	4.30E-05	1.25E-05	7.77E-04
4870	496363.09	3861877.25	1.65E-03	3.11E-08	3.93E-05	1.25E-05	1.70E-03	7.79E-04	1.28E-02	2.95E-03	4.59E-04	1.70E-02	7.41E-04	2.55E-08	3.93E-05	1.25E-05	7.92E-04
4871	496863.09	3861877.25	2.05E-03	3.00E-08	5.07E-05	1.35E-05	2.11E-03	9.67E-04	1.24E-02	3.80E-03	4.96E-04	1.76E-02	9.19E-04	2.46E-08	5.07E-05	1.35E-05	9.83E-04
4872	497363.09	3861877.25	1.94E-03	2.76E-08	4.76E-05	1.36E-05	2.00E-03	9.15E-04	1.14E-02	3.57E-03	4.97E-04	1.64E-02	8.70E-04	2.27E-08	4.76E-05	1.36E-05	9.31E-04
4873	497863.09	3861877.25	1.65E-03	2.68E-08	4.45E-05	1.35E-05	1.71E-03	7.80E-04	1.10E-02	3.34E-03	4.93E-04	1.57E-02	7.42E-04	2.20E-08	4.45E-05	1.35E-05	8.00E-04
4874	498363.09	3861877.25	1.54E-03	2.60E-08	5.20E-05	1.38E-05	1.60E-03	7.25E-04	1.07E-02	3.90E-03	5.07E-04	1.58E-02	6.89E-04	2.13E-08	5.20E-05	1.38E-05	7.55E-04
4875	471363.09	3862377.25	8.93E-04	1.14E-08	3.90E-05	9.67E-06	9.42E-04	4.21E-04	4.72E-03	2.92E-03	3.54E-04	8.41E-03	4.00E-04	9.39E-09	3.90E-05	9.67E-06	4.49E-04
4876	471863.09	3862377.25	9.47E-04	1.15E-08	3.92E-05	1.00E-05	9.96E-04	4.47E-04	4.75E-03	2.94E-03	3.68E-04	8.50E-03	4.25E-04	9.46E-09	3.92E-05	1.00E-05	4.74E-04

4877	472363.09	3862377.25	1.01E-03	1.26E-08	3.71E-05	8.98E-06	1.06E-03	4.77E-04	5.19E-03	2.79E-03	3.29E-04	8.78E-03	4.54E-04	1.03E-08	3.71E-05	8.98E-06	5.00E-04
4878	472863.09	3862377.25	1.02E-03	1.36E-08	3.46E-05	9.09E-06	1.06E-03	4.80E-04	5.60E-03	2.59E-03	3.33E-04	9.01E-03	4.57E-04	1.12E-08	3.46E-05	9.09E-06	5.01E-04
4879	473363.09	3862377.25	1.01E-03	1.41E-08	3.18E-05	9.75E-06	1.05E-03	4.74E-04	5.83E-03	2.39E-03	3.57E-04	9.05E-03	4.51E-04	1.16E-08	3.18E-05	9.75E-06	4.92E-04
4880	473863.09	3862377.25	1.03E-03	1.48E-08	3.00E-05	9.61E-06	1.07E-03	4.85E-04	6.08E-03	2.25E-03	3.52E-04	9.17E-03	4.62E-04	1.21E-08	3.00E-05	9.61E-06	5.01E-04
4881	474363.09	3862377.25	1.15E-03	1.55E-08	3.54E-05	9.79E-06	1.19E-03	5.41E-04	6.38E-03	2.66E-03	3.59E-04	9.94E-03	5.14E-04	1.27E-08	3.54E-05	9.79E-06	5.60E-04
4882	474863.09	3862377.25	1.19E-03	1.62E-08	3.52E-05	1.08E-05	1.23E-03	5.60E-04	6.65E-03	2.64E-03	3.98E-04	1.02E-02	5.33E-04	1.33E-08	3.52E-05	1.08E-05	5.79E-04
4883	475363.09	3862377.25	1.22E-03	1.72E-08	3.67E-05	1.10E-05	1.26E-03	5.73E-04	7.08E-03	2.75E-03	4.02E-04	1.08E-02	5.45E-04	1.41E-08	3.67E-05	1.10E-05	5.93E-04
4884	475863.09	3862377.25	1.29E-03	1.81E-08	3.89E-05	1.11E-05	1.34E-03	6.08E-04	7.45E-03	2.92E-03	4.06E-04	1.14E-02	5.78E-04	1.48E-08	3.89E-05	1.11E-05	6.28E-04
4885	476363.09	3862377.25	1.23E-03	1.86E-08	4.30E-05	1.06E-05	1.29E-03	5.81E-04	7.66E-03	3.23E-03	3.89E-04	1.19E-02	5.53E-04	1.53E-08	4.30E-05	1.06E-05	6.07E-04
4886	476863.09	3862377.25	1.31E-03	1.90E-08	4.11E-05	1.10E-05	1.36E-03	6.16E-04	7.81E-03	3.08E-03	4.05E-04	1.19E-02	5.86E-04	1.56E-08	4.11E-05	1.10E-05	6.38E-04
4887	477363.09	3862377.25	1.40E-03	1.83E-08	4.54E-05	1.19E-05	1.46E-03	6.61E-04	7.55E-03	3.40E-03	4.38E-04	1.20E-02	6.28E-04	1.50E-08	4.54E-05	1.19E-05	6.86E-04
4888	477863.09	3862377.25	1.36E-03	1.23E-08	4.76E-05	2.05E-05	1.43E-03	6.43E-04	5.05E-03	3.57E-03	7.52E-04	1.00E-02	6.11E-04	1.01E-08	4.76E-05	2.05E-05	6.79E-04
4889	478363.09	3862377.25	1.18E-03	8.55E-09	4.73E-05	1.40E-05	1.24E-03	5.57E-04	3.52E-03	3.55E-03	5.15E-04	8.14E-03	5.29E-04	7.02E-09	4.73E-05	1.40E-05	5.91E-04
4890	478863.09	3862377.25	1.37E-03	9.75E-09	4.40E-05	1.47E-05	1.43E-03	6.47E-04	4.02E-03	3.30E-03	5.39E-04	8.50E-03	6.15E-04	8.00E-09	4.40E-05	1.47E-05	6.74E-04
4891	479363.09	3862377.25	1.57E-03	1.23E-08	4.77E-05	1.43E-05	1.64E-03	7.42E-04	5.09E-03	3.58E-03	5.24E-04	9.93E-03	7.06E-04	1.01E-08	4.77E-05	1.43E-05	7.68E-04
4892	479863.09	3862377.25	1.81E-03	2.31E-08	4.83E-05	1.26E-05	1.88E-03	8.56E-04	9.50E-03	3.62E-03	4.62E-04	1.44E-02	8.14E-04	1.89E-08	4.83E-05	1.26E-05	8.75E-04
4893	480363.09	3862377.25	1.66E-03	2.72E-08	5.21E-05	1.14E-05	1.73E-03	7.84E-04	1.12E-02	3.91E-03	4.20E-04	1.63E-02	7.45E-04	2.23E-08	5.21E-05	1.14E-05	8.09E-04
4894	480863.09	3862377.25	1.51E-03	2.85E-08	5.44E-05	1.17E-05	1.58E-03	7.12E-04	1.17E-02	4.08E-03	4.28E-04	1.70E-02	6.77E-04	2.34E-08	5.44E-05	1.17E-05	7.44E-04
4895	481363.09	3862377.25	1.54E-03	3.09E-08	5.68E-05	1.25E-05	1.61E-03	7.26E-04	1.27E-02	4.26E-03	4.58E-04	1.82E-02	6.91E-04	2.53E-08	5.68E-05	1.25E-05	7.60E-04
4896	481863.09	3862377.25	1.79E-03	3.41E-08	5.11E-05	1.27E-05	1.85E-03	8.42E-04	1.41E-02	3.83E-03	4.67E-04	1.92E-02	8.01E-04	2.80E-08	5.11E-05	1.27E-05	8.65E-04
4897	482363.09	3862377.25	1.83E-03	3.64E-08	5.86E-05	1.24E-05	1.90E-03	8.63E-04	1.50E-02	4.40E-03	4.55E-04	2.07E-02	8.21E-04	2.99E-08	5.86E-05	1.24E-05	8.92E-04
4898	482863.09	3862377.25	1.91E-03	3.65E-08	5.37E-05	1.40E-05	1.97E-03	8.99E-04	1.50E-02	4.02E-03	5.14E-04	2.05E-02	8.55E-04	3.00E-08	5.37E-05	1.40E-05	9.22E-04
4899	483363.09	3862377.25	1.91E-03	3.79E-08	5.25E-05	1.35E-05	1.98E-03	9.01E-04	1.56E-02	3.94E-03	4.94E-04	2.10E-02	8.57E-04	3.11E-08	5.25E-05	1.35E-05	9.23E-04
4900	483863.09	3862377.25	1.80E-03	4.23E-08	4.23E-05	1.45E-05	1.85E-03	8.47E-04	1.74E-02	3.17E-03	5.31E-04	2.20E-02	8.05E-04	3.47E-08	4.23E-05	1.45E-05	8.62E-04
4901	484363.09	3862377.25	1.68E-03	4.50E-08	3.90E-05	1.62E-05	1.74E-03	7.95E-04	1.85E-02	2.92E-03	5.93E-04	2.29E-02	7.56E-04	3.69E-08	3.90E-05	1.62E-05	8.11E-04
4902	484863.09	3862377.25	1.65E-03	4.63E-08	2.93E-05	1.61E-05	1.70E-03	7.79E-04	1.91E-02	2.20E-03	5.92E-04	2.27E-02	7.41E-04	3.80E-08	2.93E-05	1.61E-05	7.87E-04
4903	485363.09	3862377.25	1.56E-03	4.64E-08	3.57E-05	1.56E-05	1.61E-03	7.34E-04	1.91E-02	2.68E-03	5.74E-04	2.31E-02	6.98E-04	3.81E-08	3.57E-05	1.56E-05	7.50E-04
4904	485863.09	3862377.25	1.56E-03	4.93E-08	4.34E-05	1.23E-05	1.61E-03	7.34E-04	2.03E-02	3.26E-03	4.51E-04	2.47E-02	6.98E-04	4.04E-08	4.34E-05	1.23E-05	7.54E-04
4905	486363.09	3862377.25	1.63E-03	4.70E-08	2.07E-05	1.19E-05	1.66E-03	7.67E-04	1.93E-02	1.55E-03	4.35E-04	2.21E-02	7.30E-04	3.85E-08	2.07E-05	1.19E-05	7.62E-04
4906	486863.09	3862377.25	1.59E-03	5.49E-08	2.12E-05	9.88E-06	1.62E-03	7.48E-04	2.26E-02	1.59E-03	3.62E-04	2.53E-02	7.11E-04	4.51E-08	2.12E-05	9.88E-06	7.43E-04
4907	487363.09	3862377.25	1.92E-03	5.40E-08	2.20E-05	8.45E-06	1.95E-03	9.06E-04	2.22E-02	1.65E-03	3.10E-04	2.51E-02	8.62E-04	4.43E-08	2.20E-05	8.45E-06	8.92E-04
4908	487863.09	3862377.25	1.94E-03	5.14E-08	3.85E-05	1.26E-05	1.99E-03	9.14E-04	2.12E-02	2.89E-03	4.61E-04	2.55E-02	8.69E-04	4.22E-08	3.85E-05	1.26E-05	9.20E-04
4909	488363.09	3862377.25	2.03E-03	5.54E-08	4.86E-05	1.42E-05	2.10E-03	9.59E-04	2.28E-02	3.65E-03	5.20E-04	2.80E-02	9.11E-04	4.55E-08	4.86E-05	1.42E-05	9.74E-04
4910	488863.09	3862377.25	1.97E-03	6.41E-08	2.24E-05	1.56E-05	2.01E-03	9.28E-04	2.64E-02	1.68E-03	5.72E-04	2.96E-02	8.82E-04	5.26E-08	2.24E-05	1.56E-05	9.21E-04
4911	489363.09	3862377.25	2.06E-03	6.27E-08	1.42E-05	1.69E-05	2.09E-03	9.73E-04	2.58E-02	1.06E-03	6.19E-04	2.85E-02	9.25E-04	5.14E-08	1.42E-05	1.69E-05	9.56E-04
4912	489863.09	3862377.25	2.38E-03	6.13E-08	1.45E-05	2.15E-05	2.42E-03	1.12E-03	2.52E-02	1.09E-03	7.89E-04	2.82E-02	1.07E-03	5.03E-08	1.45E-05	2.15E-05	1.10E-03
4913	490363.09	3862377.25	2.24E-03	6.56E-08	3.37E-05	2.21E-05	2.30E-03	1.06E-03	2.70E-02	2.53E-03	8.11E-04	3.14E-02	1.00E-03	5.39E-08	3.37E-05	2.21E-05	1.06E-03
4914	490863.09	3862377.25	2.22E-03	6.56E-08	5.60E-05	2.44E-05	2.31E-03	1.05E-03	2.70E-02	4.20E-03	8.96E-04	3.32E-02	9.98E-04	5.39E-08	5.60E-05	2.44E-05	1.08E-03
4915	491363.09	3862377.25	2.07E-03	5.91E-08	5.85E-05	2.54E-05	2.16E-03	9.77E-04	2.44E-02	4.38E-03	9.31E-04	3.07E-02	9.29E-04	4.85E-08	5.85E-05	2.54E-05	1.01E-03
4916	491863.09	3862377.25	1.99E-03	5.26E-08	5.33E-05	1.93E-05	2.07E-03	9.40E-04	2.17E-02	3.99E-03	7.08E-04	2.73E-02	8.94E-04	4.31E-08	5.33E-05	1.93E-05	9.66E-04
4917	492363.09	3862377.25	2.09E-03	4.65E-08	4.65E-05	1.94E-05	2.16E-03	9.86E-04	1.91E-02	3.49E-03	7.10E-04	2.43E-02	9.37E-04	3.81E-08	4.65E-05	1.94E-05	1.00E-03
4918	492863.09	3862377.25	1.90E-03	4.23E-08	6.93E-05	1.99E-05	1.99E-03	8.95E-04	1.74E-02	5.19E-03	7.28E-04	2.42E-02	8.51E-04	3.47E-08	6.93E-05	1.99E-05	9.41E-04
4919	493363.09	3862377.25	1.80E-03	4.31E-08	5.61E-05	1.88E-05	1.87E-03	8.47E-04	1.78E-02	4.21E-03	6.88E-04	2.35E-02	8.05E-04	3.54E-08	5.61E-05	1.88E-05	8.80E-04
4920	493863.09	3862377.25	1.60E-03	4.68E-08	3.67E-05	1.83E-05	1.66E-03	7.56E-04	1.93E-02	2.75E-03	6.70E-04	2.34E-02	7.19E-04	3.84E-08	3.67E-05	1.83E-05	7.74E-04
4921	494363.09	3862377.25	1.54E-03	4.62E-08	3.65E-05	1.65E-05	1.59E-03	7.24E-04	1.90E-02	2.74E-03	6.03E-04	2.31E-02	6.89E-04	3.79E-08	3.65E-05	1.65E-05	7.42E-04
4922	494863.09	3862377.25	1.53E-03	4.20E-08	3.94E-05	1.52E-05	1.58E-03	7.21E-04	1.73E-02	2.95E-03	5.56E-04	2.15E-02	6.86E-04	3.45E-08	3.94E-05	1.52E-05	7.40E-04
4923	495363.09	3862377.25	1.36E-03	3.59E-08	4.01E-05	1.49E-05	1.42E-03	6.43E-04	1.48E-02	3.01E-03	5.48E-04	1.90E-02	6.11E-04	2.95E-08	4.01E-05	1.49E-05	6.66E-04
4924	495863.09	3862377.25	1.43E-03	3.21E-08	4.20E-05	1.41E-05	1.48E-03	6.72E-04	1.32E-02	3.15E-03	5.16E-04	1.76E-02	6.39E-04	2.64E-08	4.20E-05	1.41E-05	6.95E-04
4925	496363.09	3862377.25	1.45E-03	2.91E-08	4.11E-05	1.34E-05	1.50E-03	6.82E-04	1.20E-02	3.08E-03	4.90E-04	1.63E-02	6.49E-04	2.39E-08	4.11E-05	1.34E-05	7.03E-04
4926	496863.09	3862377.25	1.41E-03	2.70E-08	3.88E-05	1.30E-05	1.46E-03	6.64E-04	1.11E-02	2.91E-03	4.77E-04	1.52E-02	6.31E-04	2.22E-08	3.88E-05	1.30E-05	6.83E-04
4927	497363.09	3862377.25	1.46E-03	2.63E-08	3.53E-05	1.20E-05	1.51E-03	6.90E-04	1.08E-02	2.65E-03	4.40E-04	1.46E-02	6.56E-04	2.16E-08	3.53E-05	1.20E-05	7.03E-04
4928	497863.09	3862377.25	1.67E-03	2.43E-08	3.49E-05	1.21E-05	1.72E-03	7.88E-04	1.00E-02	2.62E-03	4.43E-04	1.39E-02	7.49E-04	1.99E-08	3.49E-05	1.21E-05	7.96E-04
4929	498363.09	3862377.25	1.60E-03	2.25E-08	3.81E-05	1.17E-05	1.65E-03	7.56E-04	9.25E-03	2.86E-03	4.30E-04	1.33E-02	7.19E-04	1.84E-08	3.81E-05	1.17E-05	7.69E-04
4930	471363.09	3862877.25	9.28E-04	1.26E-08	2.97E-05	8.46E-06	9.66E-04	4.38E-04	5.19E-03	2.22E-03	3.10E-04	8.16E-03	4.16E-04	1.03E-08	2.97E-05	8.46E-06	4.54E-04
4931	471863.09	3862877.25	9.13E-04	1.30E-08	2.98E-05	8.70E-06	9.51E-04	4.30E-04	5.36E-03	2.23E-03	3.19E-04	8.34E-03	4.09E-04	1.07E-08	2.98E-05	8.70E-06	4.48E-04
4932	472363.09	3862877.25	9.00E-04	1.24E-08	3.13E-05	9.18E-06	9.41E-04	4.25E-04	5.12E-03	2.35E-03	3.37E-04	8.23E-03	4.04E-04	1.02E-08	3.13E-05	9.18E-06	4.44E-04
4933	472863.09	3862877.25	9.02E-04	1.27E-08	3.27E-05	9.55E-06	9.45E-04	4.26E-04	5.24E-03	2.45E-03	3.50E-04	8.48E-03	4.05E-04	1.04E-08	3.27E-05	9.55E-06	4.47E-04
4934	473363.09	3862877.25	1.01E-03	1.31E-08	3.18E-05	9.48E-06	1.06E-03	4.78E-04	5.39E-03	2.39E-03	3.48E-04	8.61E-03	4.55E-04	1.07E-08	3.18E-05	9.48E-06	4.96E-04
4935	473863.09	3862877.25	1.05E-03	1.44E-08	3.27E-05	9.64E-06	1.09E-03	4.96E-04	5.92E-03	2.45E-03	3.54E-04	9.22E-03	4.72E-04	1.18E-08	3.27E-05	9.64E-06	5.14E-04
4936	474363.09	3862877.25	1.11E-03	1.65E-08	3.41E-05	1.00E-05	1.15E-03	5.24E-04	6.78E-03	2.56E-03	3.68E-04	1.02E-02	4.98E-04	1.35E-08	3.41E-05	1.00E-05	5.42E-04
4937	474863.09	3862877.25	1.16E-03	1.67E-08	3.81E-05	1.06E-05	1.20E-03	5.45E-04	6.87E-03	2.86E-03	3.87E-04	1.07E-02	5.18E-04	1.37E-08	3.81E-05	1.06E-05	5.67E-04

4938	475363.09	3862877.25	1.16E-03	1.75E-08	3.99E-05	1.05E-05	1.21E-03	5.46E-04	7.19E-03	2.99E-03	3.84E-04	1.11E-02	5.20E-04	1.43E-08	3.99E-05	1.05E-05	5.70E-04
4939	475863.09	3862877.25	1.13E-03	1.73E-08	4.00E-05	1.02E-05	1.18E-03	5.32E-04	7.12E-03	3.00E-03	3.74E-04	1.10E-02	5.06E-04	1.42E-08	4.00E-05	1.02E-05	5.56E-04
4940	476363.09	3862877.25	1.26E-03	1.85E-08	4.31E-05	1.05E-05	1.31E-03	5.94E-04	7.61E-03	3.23E-03	3.84E-04	1.18E-02	5.65E-04	1.52E-08	4.31E-05	1.05E-05	6.18E-04
4941	476863.09	3862877.25	1.29E-03	1.80E-08	2.50E-05	1.02E-05	1.32E-03	6.08E-04	7.40E-03	1.88E-03	3.73E-04	1.03E-02	5.78E-04	1.47E-08	2.50E-05	1.02E-05	6.13E-04
4942	477363.09	3862877.25	1.32E-03	1.88E-08	4.34E-05	9.97E-06	1.37E-03	6.21E-04	7.73E-03	3.25E-03	3.66E-04	1.20E-02	5.91E-04	1.54E-08	4.34E-05	9.97E-06	6.44E-04
4943	477863.09	3862877.25	1.26E-03	1.72E-08	3.98E-05	1.09E-05	1.31E-03	5.93E-04	7.09E-03	2.99E-03	3.99E-04	1.11E-02	5.63E-04	1.41E-08	3.98E-05	1.09E-05	6.14E-04
4944	478363.09	3862877.25	1.32E-03	1.15E-08	4.38E-05	1.38E-05	1.38E-03	6.25E-04	4.75E-03	3.28E-03	5.06E-04	9.16E-03	5.94E-04	9.46E-09	4.38E-05	1.38E-05	6.52E-04
4945	478863.09	3862877.25	1.49E-03	1.18E-08	4.57E-05	1.27E-05	1.55E-03	7.05E-04	4.88E-03	3.43E-03	4.65E-04	9.48E-03	6.70E-04	9.72E-09	4.57E-05	1.27E-05	7.29E-04
4946	479363.09	3862877.25	1.48E-03	1.25E-08	4.94E-05	1.30E-05	1.54E-03	6.98E-04	5.13E-03	3.70E-03	4.76E-04	1.00E-02	6.64E-04	1.02E-08	4.94E-05	1.30E-05	7.27E-04
4947	479863.09	3862877.25	1.48E-03	2.41E-08	4.67E-05	1.19E-05	1.54E-03	6.98E-04	9.92E-03	3.50E-03	4.37E-04	1.46E-02	6.64E-04	1.98E-08	4.67E-05	1.19E-05	7.23E-04
4948	480363.09	3862877.25	1.32E-03	2.55E-08	5.56E-05	1.25E-05	1.39E-03	6.22E-04	1.05E-02	4.17E-03	4.57E-04	1.58E-02	5.91E-04	2.09E-08	5.56E-05	1.25E-05	6.59E-04
4949	480863.09	3862877.25	1.31E-03	2.82E-08	5.17E-05	1.29E-05	1.37E-03	6.18E-04	1.16E-02	3.88E-03	4.73E-04	1.66E-02	5.88E-04	2.32E-08	5.17E-05	1.29E-05	6.52E-04
4950	481363.09	3862877.25	1.61E-03	2.90E-08	4.87E-05	1.22E-05	1.67E-03	7.57E-04	1.19E-02	3.65E-03	4.48E-04	1.68E-02	7.20E-04	2.38E-08	4.87E-05	1.22E-05	7.81E-04
4951	481863.09	3862877.25	1.70E-03	2.96E-08	5.21E-05	1.16E-05	1.76E-03	8.01E-04	1.22E-02	3.91E-03	4.25E-04	1.73E-02	7.62E-04	2.43E-08	5.21E-05	1.16E-05	8.26E-04
4952	482363.09	3862877.25	1.78E-03	3.08E-08	5.11E-05	1.18E-05	1.84E-03	8.40E-04	1.27E-02	3.83E-03	4.34E-04	1.78E-02	7.99E-04	2.52E-08	5.11E-05	1.18E-05	8.62E-04
4953	482863.09	3862877.25	1.79E-03	3.43E-08	4.84E-05	1.18E-05	1.85E-03	8.45E-04	1.41E-02	3.63E-03	4.34E-04	1.91E-02	8.04E-04	2.82E-08	4.84E-05	1.18E-05	8.64E-04
4954	483363.09	3862877.25	1.67E-03	3.56E-08	3.83E-05	1.35E-05	1.72E-03	7.88E-04	1.47E-02	2.87E-03	4.95E-04	1.88E-02	7.50E-04	2.92E-08	3.83E-05	1.35E-05	8.01E-04
4955	483863.09	3862877.25	1.67E-03	3.76E-08	3.72E-05	1.64E-05	1.73E-03	7.89E-04	1.55E-02	2.79E-03	6.02E-04	1.97E-02	7.50E-04	3.09E-08	3.72E-05	1.64E-05	8.04E-04
4956	484363.09	3862877.25	1.61E-03	3.89E-08	1.87E-05	1.57E-05	1.64E-03	7.59E-04	1.60E-02	1.41E-03	5.76E-04	1.87E-02	7.22E-04	3.19E-08	1.87E-05	1.57E-05	7.56E-04
4957	484863.09	3862877.25	1.43E-03	3.79E-08	3.58E-05	1.51E-05	1.48E-03	6.73E-04	1.56E-02	2.68E-03	5.55E-04	1.95E-02	6.40E-04	3.11E-08	3.58E-05	1.51E-05	6.91E-04
4958	485363.09	3862877.25	1.41E-03	4.23E-08	4.58E-05	1.11E-05	1.47E-03	6.66E-04	1.74E-02	3.43E-03	4.07E-04	2.19E-02	6.34E-04	3.47E-08	4.58E-05	1.11E-05	6.90E-04
4959	485863.09	3862877.25	1.37E-03	4.09E-08	2.60E-05	9.73E-06	1.40E-03	6.46E-04	1.69E-02	1.95E-03	3.57E-04	1.98E-02	6.14E-04	3.36E-08	2.60E-05	9.73E-06	6.50E-04
4960	486363.09	3862877.25	1.49E-03	4.15E-08	2.32E-05	8.96E-06	1.52E-03	7.01E-04	1.71E-02	1.74E-03	3.28E-04	1.99E-02	6.67E-04	3.41E-08	2.32E-05	8.96E-06	6.99E-04
4961	486863.09	3862877.25	1.47E-03	4.32E-08	2.23E-05	9.88E-06	1.50E-03	6.91E-04	1.78E-02	1.68E-03	3.62E-04	2.05E-02	6.57E-04	3.54E-08	2.23E-05	9.88E-06	6.90E-04
4962	487363.09	3862877.25	1.77E-03	4.40E-08	2.23E-05	8.14E-06	1.80E-03	8.36E-04	1.81E-02	1.68E-03	2.98E-04	2.10E-02	7.95E-04	3.61E-08	2.23E-05	8.14E-06	8.26E-04
4963	487863.09	3862877.25	1.68E-03	4.26E-08	3.61E-05	1.09E-05	1.72E-03	7.90E-04	1.75E-02	2.71E-03	3.99E-04	2.14E-02	7.51E-04	3.49E-08	3.61E-05	1.09E-05	7.98E-04
4964	488363.09	3862877.25	1.82E-03	4.21E-08	4.70E-05	1.41E-05	1.88E-03	8.57E-04	1.74E-02	3.53E-03	5.16E-04	2.23E-02	8.15E-04	3.46E-08	4.70E-05	1.41E-05	8.76E-04
4965	488863.09	3862877.25	1.88E-03	4.89E-08	2.46E-05	1.19E-05	1.92E-03	8.86E-04	2.01E-02	1.85E-03	4.35E-04	2.33E-02	8.42E-04	4.01E-08	2.46E-05	1.19E-05	8.79E-04
4966	489363.09	3862877.25	1.81E-03	5.03E-08	1.36E-05	1.31E-05	1.84E-03	8.55E-04	2.07E-02	1.02E-03	4.81E-04	2.31E-02	8.13E-04	4.13E-08	1.36E-05	1.31E-05	8.39E-04
4967	489863.09	3862877.25	2.08E-03	5.13E-08	1.46E-05	1.69E-05	2.11E-03	9.80E-04	2.11E-02	1.10E-03	6.20E-04	2.38E-02	9.32E-04	4.21E-08	1.46E-05	1.69E-05	9.64E-04
4968	490363.09	3862877.25	2.08E-03	5.46E-08	1.21E-05	2.01E-05	2.11E-03	9.80E-04	2.25E-02	9.09E-04	7.37E-04	2.51E-02	9.32E-04	4.48E-08	1.21E-05	2.01E-05	9.64E-04
4969	490863.09	3862877.25	1.98E-03	5.59E-08	3.80E-05	1.78E-05	2.03E-03	9.33E-04	2.30E-02	2.85E-03	6.53E-04	2.75E-02	8.87E-04	4.59E-08	3.80E-05	1.78E-05	9.43E-04
4970	491363.09	3862877.25	1.95E-03	5.56E-08	5.65E-05	2.39E-05	2.03E-03	9.19E-04	2.29E-02	4.23E-03	8.76E-04	2.89E-02	8.74E-04	4.57E-08	5.65E-05	2.39E-05	9.54E-04
4971	491863.09	3862877.25	1.89E-03	5.04E-08	5.30E-05	2.58E-05	1.97E-03	8.91E-04	2.08E-02	3.97E-03	9.47E-04	2.66E-02	8.47E-04	4.14E-08	5.30E-05	2.58E-05	9.26E-04
4972	492363.09	3862877.25	1.79E-03	4.50E-08	4.69E-05	1.93E-05	1.85E-03	8.43E-04	1.85E-02	3.52E-03	7.09E-04	2.36E-02	8.01E-04	3.69E-08	4.69E-05	1.93E-05	8.67E-04
4973	492863.09	3862877.25	1.88E-03	4.12E-08	4.36E-05	1.63E-05	1.94E-03	8.88E-04	1.70E-02	3.27E-03	5.98E-04	2.17E-02	8.45E-04	3.38E-08	4.36E-05	1.63E-05	9.05E-04
4974	493363.09	3862877.25	1.80E-03	3.89E-08	6.19E-05	1.79E-05	1.88E-03	8.47E-04	1.60E-02	4.64E-03	6.57E-04	2.22E-02	8.05E-04	3.19E-08	6.19E-05	1.79E-05	8.85E-04
4975	493863.09	3862877.25	1.68E-03	3.65E-08	5.70E-05	1.80E-05	1.76E-03	7.93E-04	1.51E-02	4.27E-03	6.59E-04	2.08E-02	7.54E-04	3.00E-08	5.70E-05	1.80E-05	8.29E-04
4976	494363.09	3862877.25	1.48E-03	3.76E-08	4.10E-05	1.88E-05	1.54E-03	6.97E-04	1.55E-02	3.08E-03	6.89E-04	2.00E-02	6.63E-04	3.09E-08	4.10E-05	1.88E-05	7.23E-04
4977	494863.09	3862877.25	1.37E-03	3.93E-08	3.68E-05	1.76E-05	1.42E-03	6.46E-04	1.62E-02	2.76E-03	6.47E-04	2.02E-02	6.14E-04	3.22E-08	3.68E-05	1.76E-05	6.69E-04
4978	495363.09	3862877.25	1.35E-03	3.82E-08	3.35E-05	1.56E-05	1.40E-03	6.38E-04	1.57E-02	2.51E-03	5.72E-04	1.95E-02	6.07E-04	3.14E-08	3.35E-05	1.56E-05	6.56E-04
4979	495863.09	3862877.25	1.30E-03	3.64E-08	3.94E-05	1.46E-05	1.35E-03	6.13E-04	1.50E-02	2.95E-03	5.34E-04	1.91E-02	5.83E-04	2.99E-08	3.94E-05	1.46E-05	6.37E-04
4980	496363.09	3862877.25	1.22E-03	3.23E-08	3.81E-05	1.44E-05	1.28E-03	5.78E-04	1.33E-02	2.86E-03	5.27E-04	1.73E-02	5.49E-04	2.65E-08	3.81E-05	1.44E-05	6.02E-04
4981	496863.09	3862877.25	1.28E-03	2.79E-08	3.82E-05	1.28E-05	1.33E-03	6.02E-04	1.15E-02	2.87E-03	4.70E-04	1.54E-02	5.72E-04	2.29E-08	3.82E-05	1.28E-05	6.23E-04
4982	497363.09	3862877.25	1.32E-03	2.59E-08	3.69E-05	1.27E-05	1.37E-03	6.24E-04	1.07E-02	2.77E-03	4.66E-04	1.45E-02	5.93E-04	2.13E-08	3.69E-05	1.27E-05	6.43E-04
4983	497863.09	3862877.25	1.20E-03	2.46E-08	3.44E-05	1.29E-05	1.25E-03	5.66E-04	1.01E-02	2.58E-03	4.73E-04	1.37E-02	5.38E-04	2.02E-08	3.44E-05	1.29E-05	5.85E-04
4984	498363.09	3862877.25	1.32E-03	2.30E-08	3.22E-05	1.18E-05	1.36E-03	6.22E-04	9.46E-03	2.41E-03	4.32E-04	1.29E-02	5.92E-04	1.88E-08	3.22E-05	1.18E-05	6.36E-04
4985	471363.09	3863377.25	8.04E-04	1.15E-08	3.04E-05	9.07E-06	8.44E-04	3.79E-04	4.74E-03	2.28E-03	3.33E-04	7.73E-03	3.61E-04	9.44E-09	3.04E-05	9.07E-06	4.00E-04
4986	471863.09	3863377.25	8.37E-04	1.23E-08	2.87E-05	9.42E-06	8.75E-04	3.95E-04	5.05E-03	2.15E-03	3.45E-04	7.95E-03	3.76E-04	1.01E-08	2.87E-05	9.42E-06	4.14E-04
4987	472363.09	3863377.25	9.05E-04	1.26E-08	2.98E-05	9.50E-06	9.44E-04	4.27E-04	5.21E-03	2.24E-03	3.48E-04	8.22E-03	4.06E-04	1.04E-08	2.98E-05	9.50E-06	4.45E-04
4988	472863.09	3863377.25	9.90E-04	1.47E-08	3.08E-05	9.39E-06	1.03E-03	4.67E-04	6.07E-03	2.31E-03	3.44E-04	9.19E-03	4.44E-04	1.21E-08	3.08E-05	9.39E-06	4.84E-04
4989	473363.09	3863377.25	1.00E-03	1.55E-08	3.36E-05	9.46E-06	1.04E-03	4.72E-04	6.40E-03	2.52E-03	3.47E-04	9.74E-03	4.49E-04	1.28E-08	3.36E-05	9.46E-06	4.92E-04
4990	473863.09	3863377.25	1.02E-03	1.57E-08	3.76E-05	1.01E-05	1.07E-03	4.81E-04	6.47E-03	2.82E-03	3.72E-04	1.01E-02	4.57E-04	1.29E-08	3.76E-05	1.01E-05	5.05E-04
4991	474363.09	3863377.25	1.06E-03	1.60E-08	3.71E-05	9.46E-06	1.10E-03	4.98E-04	6.60E-03	2.78E-03	3.47E-04	1.02E-02	4.73E-04	1.32E-08	3.71E-05	9.46E-06	5.20E-04
4992	474863.09	3863377.25	1.07E-03	1.58E-08	3.86E-05	9.85E-06	1.12E-03	5.05E-04	6.50E-03	2.89E-03	3.61E-04	1.03E-02	4.80E-04	1.30E-08	3.86E-05	9.85E-06	5.29E-04
4993	475363.09	3863377.25	1.06E-03	1.55E-08	3.83E-05	9.43E-06	1.11E-03	5.01E-04	6.37E-03	2.87E-03	3.46E-04	1.01E-02	4.76E-04	1.27E-08	3.83E-05	9.43E-06	5.24E-04
4994	475863.09	3863377.25	1.20E-03	1.60E-08	3.17E-05	1.00E-05	1.25E-03	5.68E-04	6.58E-03	2.38E-03	3.68E-04	9.90E-03	5.40E-04	1.31E-08	3.17E-05	1.00E-05	5.82E-04
4995	476363.09	3863377.25	1.18E-03	1.71E-08	3.74E-05	9.79E-06	1.23E-03	5.58E-04	7.03E-03	2.80E-03	3.59E-04	1.08E-02	5.31E-04	1.40E-08	3.74E-05	9.79E-06	5.78E-04
4996	476863.09	3863377.25	1.20E-03	1.74E-08	3.42E-05	9.59E-06	1.24E-03	5.66E-04	7.17E-03	2.56E-03	3.52E-04	1.06E-02	5.38E-04	1.43E-08	3.42E-05	9.59E-06	5.82E-04
4997	477363.09	3863377.25	1.15E-03	1.82E-08	3.46E-05	9.42E-06	1.19E-03	5.41E-04	7.48E-03	2.59E-03	3.45E-04	1.10E-02	5.14E-04	1.49E-08	3.46E-05	9.42E-06	5.58E-04
4998	477863.09	3863377.25	1.37E-03	1.77E-08	3.91E-05	1.03E-05	1.41E-03	6.44E-04	7.31E-03	2.93E-03	3.78E-04	1.13E-02	6.12E-04	1.46E-08	3.91E-05	1.03E-05	6.62E-04

4999	478363.09	3863377.25	1.45E-03	1.62E-08	4.61E-05	1.15E-05	1.51E-03	6.84E-04	6.67E-03	3.46E-03	4.21E-04	1.12E-02	6.51E-04	1.33E-08	4.61E-05	1.15E-05	7.08E-04
5000	478863.09	3863377.25	1.48E-03	1.77E-08	4.60E-05	1.13E-05	1.53E-03	6.96E-04	7.27E-03	3.45E-03	4.13E-04	1.18E-02	6.62E-04	1.45E-08	4.60E-05	1.13E-05	7.19E-04
5001	479363.09	3863377.25	1.33E-03	2.08E-08	4.87E-05	1.20E-05	1.39E-03	6.27E-04	8.55E-03	3.65E-03	4.40E-04	1.33E-02	5.96E-04	1.70E-08	4.87E-05	1.20E-05	6.57E-04
5002	479863.09	3863377.25	1.17E-03	2.30E-08	5.23E-05	1.21E-05	1.24E-03	5.53E-04	9.49E-03	3.93E-03	4.43E-04	1.44E-02	5.26E-04	1.89E-08	5.23E-05	1.21E-05	5.91E-04
5003	480363.09	3863377.25	1.15E-03	2.47E-08	4.32E-05	1.19E-05	1.20E-03	5.42E-04	1.02E-02	3.24E-03	4.36E-04	1.44E-02	5.15E-04	2.03E-08	4.32E-05	1.19E-05	5.71E-04
5004	480863.09	3863377.25	1.29E-03	2.65E-08	4.68E-05	1.16E-05	1.35E-03	6.10E-04	1.09E-02	3.51E-03	4.27E-04	1.55E-02	5.80E-04	2.18E-08	4.68E-05	1.16E-05	6.39E-04
5005	481363.09	3863377.25	1.40E-03	2.66E-08	4.34E-05	1.12E-05	1.45E-03	6.59E-04	1.10E-02	3.25E-03	4.11E-04	1.53E-02	6.27E-04	2.19E-08	4.34E-05	1.12E-05	6.81E-04
5006	481863.09	3863377.25	1.39E-03	2.83E-08	4.37E-05	1.11E-05	1.45E-03	6.56E-04	1.17E-02	3.28E-03	4.08E-04	1.60E-02	6.24E-04	2.32E-08	4.37E-05	1.11E-05	6.79E-04
5007	482363.09	3863377.25	1.68E-03	3.09E-08	4.45E-05	1.12E-05	1.74E-03	7.93E-04	1.27E-02	3.33E-03	4.10E-04	1.73E-02	7.54E-04	2.54E-08	4.45E-05	1.12E-05	8.09E-04
5008	482863.09	3863377.25	1.61E-03	3.23E-08	3.43E-05	1.28E-05	1.66E-03	7.61E-04	1.33E-02	2.57E-03	4.68E-04	1.71E-02	7.24E-04	2.65E-08	3.43E-05	1.28E-05	7.71E-04
5009	483363.09	3863377.25	1.52E-03	3.11E-08	3.54E-05	1.39E-05	1.57E-03	7.16E-04	1.28E-02	2.66E-03	5.08E-04	1.67E-02	6.81E-04	2.56E-08	3.54E-05	1.39E-05	7.30E-04
5010	483863.09	3863377.25	1.42E-03	3.27E-08	1.77E-05	1.38E-05	1.45E-03	6.68E-04	1.35E-02	1.33E-03	5.06E-04	1.60E-02	6.35E-04	2.68E-08	1.77E-05	1.38E-05	6.67E-04
5011	484363.09	3863377.25	1.49E-03	2.94E-08	3.50E-05	1.41E-05	1.54E-03	7.02E-04	1.21E-02	2.63E-03	5.15E-04	1.59E-02	6.67E-04	2.41E-08	3.50E-05	1.41E-05	7.16E-04
5012	484863.09	3863377.25	1.31E-03	3.63E-08	3.58E-05	1.18E-05	1.36E-03	6.17E-04	1.50E-02	2.69E-03	4.34E-04	1.87E-02	5.87E-04	2.98E-08	3.58E-05	1.18E-05	6.34E-04
5013	485363.09	3863377.25	1.26E-03	3.46E-08	4.61E-05	1.04E-05	1.32E-03	5.94E-04	1.43E-02	3.46E-03	3.80E-04	1.87E-02	5.64E-04	2.84E-08	4.61E-05	1.04E-05	6.21E-04
5014	485863.09	3863377.25	1.28E-03	3.15E-08	1.69E-05	9.34E-06	1.30E-03	6.02E-04	1.30E-02	1.27E-03	3.43E-04	1.52E-02	5.73E-04	2.59E-08	1.69E-05	9.34E-06	5.99E-04
5015	486363.09	3863377.25	1.36E-03	3.87E-08	1.79E-05	1.00E-05	1.38E-03	6.40E-04	1.59E-02	1.34E-03	3.67E-04	1.83E-02	6.08E-04	3.18E-08	1.79E-05	1.00E-05	6.36E-04
5016	486863.09	3863377.25	1.36E-03	3.51E-08	1.72E-05	7.96E-06	1.38E-03	6.39E-04	1.44E-02	1.29E-03	2.92E-04	1.67E-02	6.08E-04	2.88E-08	1.72E-05	7.96E-06	6.33E-04
5017	487363.09	3863377.25	1.56E-03	3.62E-08	2.17E-05	8.16E-06	1.59E-03	7.38E-04	1.49E-02	1.63E-03	2.99E-04	1.76E-02	7.02E-04	2.97E-08	2.17E-05	8.16E-06	7.32E-04
5018	487863.09	3863377.25	1.45E-03	3.56E-08	3.40E-05	8.89E-06	1.49E-03	6.83E-04	1.47E-02	2.55E-03	3.26E-04	1.82E-02	6.49E-04	2.92E-08	3.40E-05	8.89E-06	6.92E-04
5019	488363.09	3863377.25	1.55E-03	3.49E-08	4.47E-05	1.35E-05	1.61E-03	7.32E-04	1.44E-02	3.35E-03	4.96E-04	1.90E-02	6.96E-04	2.87E-08	4.47E-05	1.35E-05	7.54E-04
5020	488863.09	3863377.25	1.69E-03	3.82E-08	2.42E-05	1.22E-05	1.72E-03	7.95E-04	1.57E-02	1.81E-03	4.48E-04	1.88E-02	7.56E-04	3.13E-08	2.42E-05	1.22E-05	7.92E-04
5021	489363.09	3863377.25	1.62E-03	4.60E-08	1.28E-05	1.20E-05	1.65E-03	7.65E-04	1.90E-02	9.58E-04	4.42E-04	2.11E-02	7.27E-04	3.78E-08	1.28E-05	1.20E-05	7.52E-04
5022	489863.09	3863377.25	1.71E-03	4.51E-08	1.35E-05	1.35E-05	1.73E-03	8.05E-04	1.86E-02	1.01E-03	4.94E-04	2.09E-02	7.66E-04	3.70E-08	1.35E-05	1.35E-05	7.93E-04
5023	490363.09	3863377.25	1.98E-03	4.28E-08	1.21E-05	1.83E-05	2.01E-03	9.34E-04	1.76E-02	9.08E-04	6.70E-04	2.01E-02	8.88E-04	3.51E-08	1.21E-05	1.83E-05	9.19E-04
5024	490863.09	3863377.25	1.79E-03	4.90E-08	2.57E-05	1.97E-05	1.83E-03	8.42E-04	2.02E-02	1.93E-03	7.24E-04	2.37E-02	8.01E-04	4.02E-08	2.57E-05	1.97E-05	8.46E-04
5025	491363.09	3863377.25	1.76E-03	4.64E-08	4.29E-05	1.66E-05	1.82E-03	8.30E-04	1.91E-02	3.22E-03	6.09E-04	2.38E-02	7.89E-04	3.81E-08	4.29E-05	1.66E-05	8.48E-04
5026	491863.09	3863377.25	1.75E-03	4.75E-08	5.43E-05	2.15E-05	1.83E-03	8.27E-04	1.96E-02	4.07E-03	7.90E-04	2.53E-02	7.87E-04	3.90E-08	5.43E-05	2.15E-05	8.63E-04
5027	492363.09	3863377.25	1.74E-03	4.44E-08	5.44E-05	2.51E-05	1.82E-03	8.22E-04	1.83E-02	4.08E-03	9.21E-04	2.41E-02	7.81E-04	3.64E-08	5.44E-05	2.51E-05	8.61E-04
5028	492863.09	3863377.25	1.67E-03	3.88E-08	4.29E-05	2.16E-05	1.74E-03	7.89E-04	1.60E-02	3.22E-03	7.91E-04	2.08E-02	7.50E-04	3.18E-08	4.29E-05	2.16E-05	8.15E-04
5029	493363.09	3863377.25	1.84E-03	3.96E-08	4.91E-05	1.71E-05	1.91E-03	8.68E-04	1.63E-02	3.68E-03	6.26E-04	2.15E-02	8.25E-04	3.25E-08	4.91E-05	1.71E-05	8.92E-04
5030	493863.09	3863377.25	1.78E-03	3.44E-08	6.30E-05	1.61E-05	1.86E-03	8.39E-04	1.42E-02	4.73E-03	5.92E-04	2.03E-02	7.97E-04	2.82E-08	6.30E-05	1.61E-05	8.77E-04
5031	494363.09	3863377.25	1.55E-03	3.57E-08	5.85E-05	1.78E-05	1.63E-03	7.33E-04	1.47E-02	4.39E-03	6.52E-04	2.05E-02	6.97E-04	2.93E-08	5.85E-05	1.78E-05	7.73E-04
5032	494863.09	3863377.25	1.43E-03	3.18E-08	4.77E-05	1.71E-05	1.49E-03	6.74E-04	1.31E-02	3.58E-03	6.27E-04	1.80E-02	6.41E-04	2.61E-08	4.77E-05	1.71E-05	7.06E-04
5033	495363.09	3863377.25	1.39E-03	3.42E-08	3.15E-05	1.80E-05	1.44E-03	6.54E-04	1.41E-02	2.36E-03	6.62E-04	1.77E-02	6.22E-04	2.80E-08	3.15E-05	1.80E-05	6.72E-04
5034	495863.09	3863377.25	1.28E-03	3.36E-08	3.36E-05	1.77E-05	1.34E-03	6.06E-04	1.38E-02	2.52E-03	6.49E-04	1.76E-02	5.76E-04	2.76E-08	3.36E-05	1.77E-05	6.27E-04
5035	496363.09	3863377.25	1.29E-03	3.38E-08	3.26E-05	1.55E-05	1.34E-03	6.07E-04	1.39E-02	2.44E-03	5.70E-04	1.75E-02	5.77E-04	2.77E-08	3.26E-05	1.55E-05	6.25E-04
5036	496863.09	3863377.25	1.12E-03	3.19E-08	3.38E-05	1.36E-05	1.16E-03	5.26E-04	1.32E-02	2.54E-03	4.98E-04	1.67E-02	5.00E-04	2.62E-08	3.38E-05	1.36E-05	5.48E-04
5037	497363.09	3863377.25	1.16E-03	2.80E-08	3.50E-05	1.33E-05	1.21E-03	5.46E-04	1.15E-02	2.63E-03	4.88E-04	1.52E-02	5.19E-04	2.30E-08	3.50E-05	1.33E-05	5.67E-04
5038	497863.09	3863377.25	1.15E-03	2.46E-08	3.49E-05	1.18E-05	1.20E-03	5.42E-04	1.01E-02	2.62E-03	4.32E-04	1.37E-02	5.16E-04	2.02E-08	3.49E-05	1.18E-05	5.62E-04
5039	498363.09	3863377.25	1.19E-03	2.31E-08	3.38E-05	1.16E-05	1.23E-03	5.61E-04	9.53E-03	2.53E-03	4.27E-04	1.31E-02	5.33E-04	1.90E-08	3.38E-05	1.16E-05	5.79E-04
5040	471363.09	3863877.25	8.18E-04	1.29E-08	2.88E-05	9.04E-06	8.56E-04	3.86E-04	5.33E-03	2.16E-03	3.31E-04	8.20E-03	3.67E-04	1.06E-08	2.88E-05	9.04E-06	4.05E-04
5041	471863.09	3863877.25	8.96E-04	1.32E-08	2.97E-05	9.27E-06	9.35E-04	4.23E-04	5.45E-03	2.22E-03	3.40E-04	8.43E-03	4.02E-04	1.09E-08	2.97E-05	9.27E-06	4.41E-04
5042	472363.09	3863877.25	9.04E-04	1.37E-08	3.33E-05	9.37E-06	9.47E-04	4.26E-04	5.63E-03	2.50E-03	3.44E-04	8.90E-03	4.05E-04	1.12E-08	3.33E-05	9.37E-06	4.48E-04
5043	472863.09	3863877.25	9.37E-04	1.41E-08	3.68E-05	9.43E-06	9.83E-04	4.42E-04	5.82E-03	2.76E-03	3.46E-04	9.37E-03	4.20E-04	1.16E-08	3.68E-05	9.43E-06	4.66E-04
5044	473363.09	3863877.25	9.22E-04	1.41E-08	3.44E-05	9.00E-06	9.65E-04	4.35E-04	5.82E-03	2.58E-03	3.30E-04	9.16E-03	4.13E-04	1.16E-08	3.44E-05	9.00E-06	4.57E-04
5045	473863.09	3863877.25	9.18E-04	1.44E-08	3.69E-05	9.23E-06	9.64E-04	4.33E-04	5.95E-03	2.77E-03	3.39E-04	9.48E-03	4.12E-04	1.18E-08	3.69E-05	9.23E-06	4.58E-04
5046	474363.09	3863877.25	9.81E-04	1.45E-08	3.21E-05	9.18E-06	1.02E-03	4.63E-04	5.96E-03	2.41E-03	3.36E-04	9.17E-03	4.40E-04	1.19E-08	3.21E-05	9.18E-06	4.81E-04
5047	474863.09	3863877.25	1.03E-03	1.42E-08	3.50E-05	8.97E-06	1.08E-03	4.87E-04	5.83E-03	2.62E-03	3.29E-04	9.27E-03	4.63E-04	1.16E-08	3.50E-05	8.97E-06	5.07E-04
5048	475363.09	3863877.25	1.12E-03	1.52E-08	3.32E-05	9.34E-06	1.16E-03	5.28E-04	6.25E-03	2.49E-03	3.42E-04	9.61E-03	5.02E-04	1.25E-08	3.32E-05	9.34E-06	5.45E-04
5049	475863.09	3863877.25	1.09E-03	1.64E-08	3.10E-05	9.19E-06	1.13E-03	5.12E-04	6.75E-03	2.33E-03	3.37E-04	9.92E-03	4.87E-04	1.34E-08	3.10E-05	9.19E-06	5.27E-04
5050	476363.09	3863877.25	1.08E-03	1.70E-08	3.31E-05	9.48E-06	1.13E-03	5.12E-04	6.99E-03	2.48E-03	3.48E-04	1.03E-02	4.87E-04	1.39E-08	3.31E-05	9.48E-06	5.29E-04
5051	476863.09	3863877.25	1.01E-03	1.77E-08	3.54E-05	9.41E-06	1.06E-03	4.78E-04	7.31E-03	2.65E-03	3.45E-04	1.08E-02	4.55E-04	1.46E-08	3.54E-05	9.41E-06	5.00E-04
5052	477363.09	3863877.25	1.29E-03	1.77E-08	3.85E-05	1.03E-05	1.34E-03	6.07E-04	7.29E-03	2.89E-03	3.76E-04	1.12E-02	5.77E-04	1.45E-08	3.85E-05	1.03E-05	6.26E-04
5053	477863.09	3863877.25	1.32E-03	1.84E-08	4.55E-05	1.08E-05	1.37E-03	6.21E-04	7.57E-03	3.41E-03	3.95E-04	1.20E-02	5.90E-04	1.51E-08	4.55E-05	1.08E-05	6.46E-04
5054	478363.09	3863877.25	1.38E-03	1.76E-08	4.47E-05	1.12E-05	1.43E-03	6.50E-04	7.24E-03	3.35E-03	4.10E-04	1.17E-02	6.18E-04	1.44E-08	4.47E-05	1.12E-05	6.74E-04
5055	478863.09	3863877.25	1.24E-03	1.96E-08	4.91E-05	1.11E-05	1.30E-03	5.84E-04	8.09E-03	3.68E-03	4.06E-04	1.28E-02	5.56E-04	1.61E-08	4.91E-05	1.11E-05	6.16E-04
5056	479363.09	3863877.25	1.11E-03	2.20E-08	4.38E-05	1.12E-05	1.17E-03	5.24E-04	9.05E-03	3.29E-03	4.11E-04	1.33E-02	4.98E-04	1.80E-08	4.38E-05	1.12E-05	5.53E-04
5057	479863.09	3863877.25	1.05E-03	2.35E-08	4.02E-05	1.16E-05	1.10E-03	4.96E-04	9.68E-03	3.02E-03	4.27E-04	1.36E-02	4.72E-04	1.93E-08	4.02E-05	1.16E-05	5.24E-04
5058	480363.09	3863877.25	1.11E-03	2.41E-08	4.50E-05	1.21E-05	1.16E-03	5.22E-04	9.92E-03	3.38E-03	4.45E-04	1.43E-02	4.97E-04	1.98E-08	4.50E-05	1.21E-05	5.54E-04
5059	480863.09	3863877.25	1.32E-03	2.55E-08	4.07E-05	1.10E-05	1.37E-03	6.24E-04	1.05E-02	3.05E-03	4.03E-04	1.46E-02	5.93E-04	2.10E-08	4.07E-05	1.10E-05	6.45E-04

5060	481363.09	3863877.25	1.26E-03	2.57E-08	4.01E-05	1.08E-05	1.31E-03	5.96E-04	1.06E-02	3.01E-03	3.95E-04	1.46E-02	5.67E-04	2.11E-08	4.01E-05	1.08E-05	6.18E-04
5061	481863.09	3863877.25	1.44E-03	2.67E-08	3.75E-05	1.12E-05	1.49E-03	6.78E-04	1.10E-02	2.81E-03	4.12E-04	1.49E-02	6.44E-04	2.20E-08	3.75E-05	1.12E-05	6.93E-04
5062	482363.09	3863877.25	1.60E-03	2.86E-08	3.12E-05	1.21E-05	1.64E-03	7.55E-04	1.18E-02	2.34E-03	4.44E-04	1.53E-02	7.18E-04	2.35E-08	3.12E-05	1.21E-05	7.61E-04
5063	482863.09	3863877.25	1.35E-03	2.83E-08	3.35E-05	1.31E-05	1.40E-03	6.36E-04	1.17E-02	2.52E-03	4.79E-04	1.53E-02	6.05E-04	2.32E-08	3.35E-05	1.31E-05	6.52E-04
5064	483363.09	3863877.25	1.28E-03	2.84E-08	1.61E-05	1.29E-05	1.31E-03	6.03E-04	1.17E-02	1.21E-03	4.75E-04	1.40E-02	5.73E-04	2.33E-08	1.61E-05	1.29E-05	6.02E-04
5065	483863.09	3863877.25	1.36E-03	2.54E-08	2.59E-05	1.30E-05	1.40E-03	6.43E-04	1.05E-02	1.94E-03	4.76E-04	1.35E-02	6.11E-04	2.08E-08	2.59E-05	1.30E-05	6.50E-04
5066	484363.09	3863877.25	1.34E-03	2.86E-08	3.97E-05	1.18E-05	1.39E-03	6.33E-04	1.18E-02	2.97E-03	4.34E-04	1.58E-02	6.02E-04	2.35E-08	3.97E-05	1.18E-05	6.53E-04
5067	484863.09	3863877.25	1.24E-03	3.04E-08	5.13E-05	1.09E-05	1.30E-03	5.86E-04	1.25E-02	3.84E-03	4.00E-04	1.74E-02	5.57E-04	2.50E-08	5.13E-05	1.09E-05	6.19E-04
5068	485363.09	3863877.25	1.14E-03	2.75E-08	2.75E-05	9.46E-06	1.18E-03	5.39E-04	1.13E-02	2.06E-03	3.47E-04	1.43E-02	5.12E-04	2.26E-08	2.75E-05	9.46E-06	5.49E-04
5069	485863.09	3863877.25	1.17E-03	2.93E-08	1.73E-05	9.36E-06	1.19E-03	5.51E-04	1.21E-02	1.29E-03	3.43E-04	1.43E-02	5.24E-04	2.41E-08	1.73E-05	9.36E-06	5.50E-04
5070	486363.09	3863877.25	1.25E-03	3.33E-08	1.81E-05	8.85E-06	1.28E-03	5.90E-04	1.37E-02	1.36E-03	3.24E-04	1.60E-02	5.61E-04	2.73E-08	1.81E-05	8.85E-06	5.88E-04
5071	486863.09	3863877.25	1.24E-03	3.10E-08	1.58E-05	7.03E-06	1.26E-03	5.84E-04	1.28E-02	1.18E-03	2.58E-04	1.48E-02	5.55E-04	2.54E-08	1.58E-05	7.03E-06	5.78E-04
5072	487363.09	3863877.25	1.39E-03	3.33E-08	2.08E-05	7.60E-06	1.41E-03	6.54E-04	1.37E-02	1.56E-03	2.79E-04	1.62E-02	6.22E-04	2.73E-08	2.08E-05	7.60E-06	6.50E-04
5073	487863.09	3863877.25	1.41E-03	2.89E-08	3.53E-05	8.11E-06	1.45E-03	6.64E-04	1.19E-02	2.65E-03	2.97E-04	1.55E-02	6.32E-04	2.37E-08	3.53E-05	8.11E-06	6.75E-04
5074	488363.09	3863877.25	1.48E-03	2.98E-08	4.24E-05	1.29E-05	1.54E-03	7.00E-04	1.23E-02	3.18E-03	4.74E-04	1.66E-02	6.65E-04	2.44E-08	4.24E-05	1.29E-05	7.21E-04
5075	488863.09	3863877.25	1.47E-03	3.39E-08	2.36E-05	1.11E-05	1.50E-03	6.93E-04	1.40E-02	1.77E-03	4.08E-04	1.68E-02	6.59E-04	2.78E-08	2.36E-05	1.11E-05	6.94E-04
5076	489363.09	3863877.25	1.48E-03	3.83E-08	1.19E-05	1.08E-05	1.51E-03	7.00E-04	1.58E-02	8.93E-04	3.95E-04	1.78E-02	6.65E-04	3.14E-08	1.19E-05	1.08E-05	6.88E-04
5077	489863.09	3863877.25	1.56E-03	3.74E-08	1.14E-05	1.25E-05	1.58E-03	7.35E-04	1.54E-02	8.57E-04	4.59E-04	1.75E-02	6.99E-04	3.07E-08	1.14E-05	1.25E-05	7.23E-04
5078	490363.09	3863877.25	1.75E-03	3.72E-08	8.90E-06	1.47E-05	1.77E-03	8.25E-04	1.53E-02	6.67E-04	5.38E-04	1.73E-02	7.85E-04	3.05E-08	8.90E-06	1.47E-05	8.08E-04
5079	490863.09	3863877.25	1.78E-03	3.90E-08	1.08E-05	1.87E-05	1.81E-03	8.38E-04	1.61E-02	8.09E-04	6.84E-04	1.84E-02	7.97E-04	3.20E-08	1.08E-05	1.87E-05	8.26E-04
5080	491363.09	3863877.25	1.65E-03	4.22E-08	3.01E-05	1.86E-05	1.70E-03	7.78E-04	1.74E-02	2.26E-03	6.80E-04	2.11E-02	7.40E-04	3.46E-08	3.01E-05	1.86E-05	7.89E-04
5081	491863.09	3863877.25	1.78E-03	4.17E-08	4.59E-05	2.08E-05	1.85E-03	8.42E-04	1.72E-02	3.44E-03	7.61E-04	2.22E-02	8.00E-04	3.43E-08	4.59E-05	2.08E-05	8.67E-04
5082	492363.09	3863877.25	1.73E-03	4.55E-08	5.28E-05	2.08E-05	1.80E-03	8.17E-04	1.87E-02	3.96E-03	7.63E-04	2.43E-02	7.76E-04	3.73E-08	5.28E-05	2.08E-05	8.50E-04
5083	492863.09	3863877.25	1.73E-03	3.80E-08	5.34E-05	2.45E-05	1.81E-03	8.15E-04	1.57E-02	4.00E-03	8.98E-04	2.14E-02	7.75E-04	3.12E-08	5.34E-05	2.45E-05	8.53E-04
5084	493363.09	3863877.25	1.57E-03	3.35E-08	3.91E-05	1.76E-05	1.63E-03	7.43E-04	1.38E-02	2.93E-03	6.45E-04	1.81E-02	7.06E-04	2.75E-08	3.91E-05	1.76E-05	7.63E-04
5085	493863.09	3863877.25	1.72E-03	3.36E-08	4.24E-05	1.49E-05	1.78E-03	8.11E-04	1.39E-02	3.18E-03	5.45E-04	1.84E-02	7.71E-04	2.76E-08	4.24E-05	1.49E-05	8.28E-04
5086	494363.09	3863877.25	1.59E-03	3.22E-08	5.70E-05	1.68E-05	1.67E-03	7.52E-04	1.33E-02	4.28E-03	6.18E-04	1.89E-02	7.15E-04	2.64E-08	5.70E-05	1.68E-05	7.89E-04
5087	494863.09	3863877.25	1.44E-03	2.82E-08	5.98E-05	1.72E-05	1.52E-03	6.80E-04	1.16E-02	4.49E-03	6.32E-04	1.74E-02	6.47E-04	2.31E-08	5.98E-05	1.72E-05	7.24E-04
5088	495363.09	3863877.25	1.33E-03	3.06E-08	4.46E-05	1.62E-05	1.39E-03	6.25E-04	1.26E-02	3.35E-03	5.94E-04	1.72E-02	5.95E-04	2.51E-08	4.46E-05	1.62E-05	6.56E-04
5089	495863.09	3863877.25	1.23E-03	2.83E-08	3.42E-05	1.62E-05	1.28E-03	5.82E-04	1.17E-02	2.57E-03	5.95E-04	1.54E-02	5.53E-04	2.32E-08	3.42E-05	1.62E-05	6.04E-04
5090	496363.09	3863877.25	1.19E-03	3.00E-08	3.06E-05	1.65E-05	1.24E-03	5.61E-04	1.24E-02	2.29E-03	6.05E-04	1.58E-02	5.34E-04	2.46E-08	3.06E-05	1.65E-05	5.81E-04
5091	496863.09	3863877.25	1.17E-03	2.99E-08	3.33E-05	1.57E-05	1.22E-03	5.53E-04	1.23E-02	2.50E-03	5.77E-04	1.59E-02	5.26E-04	2.45E-08	3.33E-05	1.57E-05	5.75E-04
5092	497363.09	3863877.25	1.09E-03	2.95E-08	3.41E-05	1.45E-05	1.14E-03	5.15E-04	1.22E-02	2.56E-03	5.33E-04	1.58E-02	4.90E-04	2.42E-08	3.41E-05	1.45E-05	5.39E-04
5093	497863.09	3863877.25	9.94E-04	2.83E-08	2.88E-05	1.28E-05	1.04E-03	4.69E-04	1.17E-02	2.16E-03	4.71E-04	1.48E-02	4.46E-04	2.33E-08	2.88E-05	1.28E-05	4.87E-04
5094	498363.09	3863877.25	1.06E-03	2.52E-08	3.26E-05	1.25E-05	1.10E-03	4.99E-04	1.04E-02	2.45E-03	4.60E-04	1.38E-02	4.74E-04	2.07E-08	3.26E-05	1.25E-05	5.20E-04
5095	471363.09	3864377.25	8.23E-04	1.18E-08	3.28E-05	8.65E-06	8.65E-04	3.88E-04	4.86E-03	2.46E-03	3.17E-04	8.03E-03	3.69E-04	9.68E-09	3.28E-05	8.65E-06	4.11E-04
5096	471863.09	3864377.25	8.54E-04	1.22E-08	3.58E-05	8.73E-06	8.99E-04	4.03E-04	5.03E-03	2.68E-03	3.20E-04	8.44E-03	3.83E-04	1.00E-08	3.58E-05	8.73E-06	4.28E-04
5097	472363.09	3864377.25	8.50E-04	1.25E-08	3.33E-05	8.68E-06	8.92E-04	4.01E-04	5.14E-03	2.50E-03	3.18E-04	8.35E-03	3.81E-04	1.02E-08	3.33E-05	8.68E-06	4.23E-04
5098	472863.09	3864377.25	8.74E-04	1.27E-08	3.52E-05	8.58E-06	9.18E-04	4.12E-04	5.24E-03	2.64E-03	3.15E-04	8.61E-03	3.92E-04	1.04E-08	3.52E-05	8.58E-06	4.36E-04
5099	473363.09	3864377.25	9.38E-04	1.30E-08	2.69E-05	8.42E-06	9.73E-04	4.42E-04	5.37E-03	2.02E-03	3.09E-04	8.14E-03	4.21E-04	1.07E-08	2.69E-05	8.42E-06	4.56E-04
5100	473863.09	3864377.25	9.03E-04	1.29E-08	3.31E-05	8.62E-06	9.45E-04	4.26E-04	5.32E-03	2.48E-03	3.16E-04	8.55E-03	4.05E-04	1.06E-08	3.31E-05	8.62E-06	4.47E-04
5101	474363.09	3864377.25	1.00E-03	1.34E-08	3.06E-05	9.03E-06	1.04E-03	4.74E-04	5.53E-03	2.29E-03	3.31E-04	8.63E-03	4.51E-04	1.10E-08	3.06E-05	9.03E-06	4.90E-04
5102	474863.09	3864377.25	1.04E-03	1.44E-08	2.90E-05	9.44E-06	1.08E-03	4.89E-04	5.95E-03	2.17E-03	3.46E-04	8.96E-03	4.65E-04	1.18E-08	2.90E-05	9.44E-06	5.04E-04
5103	475363.09	3864377.25	9.98E-04	1.57E-08	3.15E-05	9.07E-06	1.04E-03	4.71E-04	6.48E-03	2.36E-03	3.33E-04	9.65E-03	4.48E-04	1.29E-08	3.15E-05	9.07E-06	4.88E-04
5104	475863.09	3864377.25	9.81E-04	1.60E-08	3.28E-05	9.18E-06	1.02E-03	4.63E-04	6.60E-03	2.46E-03	3.37E-04	9.86E-03	4.40E-04	1.31E-08	3.28E-05	9.18E-06	4.82E-04
5105	476363.09	3864377.25	9.25E-04	1.62E-08	3.46E-05	9.95E-06	9.70E-04	4.36E-04	6.69E-03	2.59E-03	3.65E-04	1.01E-02	4.15E-04	1.33E-08	3.46E-05	9.95E-06	4.60E-04
5106	476863.09	3864377.25	1.18E-03	1.67E-08	4.06E-05	9.51E-06	1.23E-03	5.57E-04	6.90E-03	3.05E-03	3.49E-04	1.09E-02	5.30E-04	1.37E-08	4.06E-05	9.51E-06	5.80E-04
5107	477363.09	3864377.25	1.18E-03	1.77E-08	3.92E-05	9.69E-06	1.23E-03	5.57E-04	7.30E-03	2.94E-03	3.55E-04	1.12E-02	5.30E-04	1.45E-08	3.92E-05	9.69E-06	5.79E-04
5108	477863.09	3864377.25	1.26E-03	1.90E-08	4.45E-05	1.02E-05	1.31E-03	5.92E-04	7.84E-03	3.34E-03	3.74E-04	1.21E-02	5.63E-04	1.56E-08	4.45E-05	1.02E-05	6.18E-04
5109	478363.09	3864377.25	1.15E-03	1.92E-08	4.42E-05	1.08E-05	1.20E-03	5.40E-04	7.90E-03	3.32E-03	3.94E-04	1.22E-02	5.14E-04	1.57E-08	4.42E-05	1.08E-05	5.69E-04
5110	478863.09	3864377.25	1.04E-03	1.88E-08	3.90E-05	1.18E-05	1.09E-03	4.92E-04	7.73E-03	2.92E-03	4.32E-04	1.16E-02	4.68E-04	1.54E-08	3.90E-05	1.18E-05	5.18E-04
5111	479363.09	3864377.25	9.95E-04	2.05E-08	3.81E-05	1.09E-05	1.04E-03	4.69E-04	8.46E-03	2.86E-03	3.98E-04	1.22E-02	4.46E-04	1.69E-08	3.81E-05	1.09E-05	4.95E-04
5112	479863.09	3864377.25	9.96E-04	2.23E-08	3.78E-05	1.12E-05	1.05E-03	4.70E-04	9.19E-03	2.84E-03	4.09E-04	1.29E-02	4.47E-04	1.83E-08	3.78E-05	1.12E-05	4.96E-04
5113	480363.09	3864377.25	1.16E-03	2.42E-08	3.82E-05	1.14E-05	1.21E-03	5.49E-04	9.99E-03	2.86E-03	4.19E-04	1.38E-02	5.22E-04	1.99E-08	3.82E-05	1.14E-05	5.72E-04
5114	480863.09	3864377.25	1.12E-03	2.40E-08	3.68E-05	1.09E-05	1.17E-03	5.30E-04	9.90E-03	2.76E-03	4.01E-04	1.36E-02	5.04E-04	1.97E-08	3.68E-05	1.09E-05	5.52E-04
5115	481363.09	3864377.25	1.25E-03	2.54E-08	3.29E-05	1.10E-05	1.29E-03	5.89E-04	1.05E-02	2.47E-03	4.02E-04	1.39E-02	5.60E-04	2.09E-08	3.29E-05	1.10E-05	6.04E-04
5116	481863.09	3864377.25	1.51E-03	2.61E-08	2.84E-05	1.14E-05	1.55E-03	7.13E-04	1.07E-02	2.13E-03	4.18E-04	1.40E-02	6.78E-04	2.14E-08	2.84E-05	1.14E-05	7.18E-04
5117	482363.09	3864377.25	1.39E-03	2.66E-08	3.18E-05	1.28E-05	1.43E-03	6.54E-04	1.10E-02	2.38E-03	4.68E-04	1.45E-02	6.22E-04	2.18E-08	3.18E-05	1.28E-05	6.66E-04
5118	482863.09	3864377.25	1.32E-03	2.43E-08	1.73E-05	1.07E-05	1.35E-03	6.22E-04	9.99E-03	1.30E-03	3.92E-04	1.23E-02	5.92E-04	1.99E-08	1.73E-05	1.07E-05	6.20E-04
5119	483363.09	3864377.25	1.12E-03	2.28E-08	1.82E-05	1.25E-05	1.15E-03	5.29E-04	9.39E-03	1.36E-03	4.59E-04	1.17E-02	5.03E-04	1.87E-08	1.82E-05	1.25E-05	5.33E-04
5120	483863.09	3864377.25	1.31E-03	2.43E-08	2.70E-05	1.10E-05	1.35E-03	6.19E-04	1.00E-02	2.03E-03	4.04E-04	1.31E-02	5.88E-04	2.00E-08	2.70E-05	1.10E-05	6.26E-04

5121	484363.09	3864377.25	1.18E-03	2.58E-08	3.26E-05	9.49E-06	1.22E-03	5.58E-04	1.06E-02	2.45E-03	3.48E-04	1.40E-02	5.30E-04	2.12E-08	3.26E-05	9.49E-06	5.72E-04
5122	484863.09	3864377.25	1.17E-03	2.43E-08	3.94E-05	8.98E-06	1.22E-03	5.53E-04	1.00E-02	2.96E-03	3.29E-04	1.39E-02	5.26E-04	2.00E-08	3.94E-05	8.98E-06	5.74E-04
5123	485363.09	3864377.25	1.02E-03	2.38E-08	1.42E-05	7.37E-06	1.04E-03	4.81E-04	9.80E-03	1.07E-03	2.70E-04	1.16E-02	4.57E-04	1.95E-08	1.42E-05	7.37E-06	4.79E-04
5124	485863.09	3864377.25	1.09E-03	2.75E-08	1.83E-05	9.93E-06	1.12E-03	5.13E-04	1.13E-02	1.38E-03	3.64E-04	1.36E-02	4.88E-04	2.25E-08	1.83E-05	9.93E-06	5.16E-04
5125	486363.09	3864377.25	1.16E-03	2.73E-08	1.66E-05	7.09E-06	1.19E-03	5.48E-04	1.12E-02	1.24E-03	2.60E-04	1.33E-02	5.21E-04	2.24E-08	1.66E-05	7.09E-06	5.45E-04
5126	486863.09	3864377.25	1.14E-03	2.63E-08	1.31E-05	7.26E-06	1.16E-03	5.36E-04	1.08E-02	9.79E-04	2.66E-04	1.26E-02	5.09E-04	2.16E-08	1.31E-05	7.26E-06	5.30E-04
5127	487363.09	3864377.25	1.21E-03	2.95E-08	2.02E-05	6.79E-06	1.24E-03	5.72E-04	1.22E-02	1.52E-03	2.49E-04	1.45E-02	5.44E-04	2.42E-08	2.02E-05	6.79E-06	5.71E-04
5128	487863.09	3864377.25	1.41E-03	2.50E-08	3.63E-05	7.73E-06	1.45E-03	6.64E-04	1.03E-02	2.72E-03	2.83E-04	1.40E-02	6.32E-04	2.05E-08	3.63E-05	7.73E-06	6.76E-04
5129	488363.09	3864377.25	1.30E-03	2.65E-08	3.92E-05	1.20E-05	1.35E-03	6.12E-04	1.09E-02	2.94E-03	4.42E-04	1.49E-02	5.82E-04	2.18E-08	3.92E-05	1.20E-05	6.33E-04
5130	488863.09	3864377.25	1.36E-03	2.91E-08	2.15E-05	9.55E-06	1.39E-03	6.43E-04	1.20E-02	1.62E-03	3.50E-04	1.46E-02	6.12E-04	2.39E-08	2.15E-05	9.55E-06	6.43E-04
5131	489363.09	3864377.25	1.40E-03	3.04E-08	1.10E-05	7.95E-06	1.42E-03	6.60E-04	1.25E-02	8.28E-04	2.92E-04	1.43E-02	6.28E-04	2.50E-08	1.10E-05	7.95E-06	6.47E-04
5132	489863.09	3864377.25	1.35E-03	3.08E-08	1.11E-05	1.11E-05	1.37E-03	6.36E-04	1.27E-02	8.29E-04	4.07E-04	1.46E-02	6.05E-04	2.53E-08	1.11E-05	1.11E-05	6.27E-04
5133	490363.09	3864377.25	1.45E-03	3.39E-08	1.32E-05	1.29E-05	1.48E-03	6.84E-04	1.40E-02	9.87E-04	4.72E-04	1.61E-02	6.51E-04	2.78E-08	1.32E-05	1.29E-05	6.77E-04
5134	490863.09	3864377.25	1.70E-03	3.41E-08	1.03E-05	1.68E-05	1.73E-03	8.02E-04	1.41E-02	7.71E-04	6.14E-04	1.62E-02	7.63E-04	2.80E-08	1.03E-05	1.68E-05	7.90E-04
5135	491363.09	3864377.25	1.67E-03	3.58E-08	2.11E-05	1.88E-05	1.71E-03	7.90E-04	1.48E-02	1.58E-03	6.90E-04	1.78E-02	7.51E-04	2.94E-08	2.11E-05	1.88E-05	7.91E-04
5136	491863.09	3864377.25	1.50E-03	9.44E-09	3.43E-05	1.68E-05	1.56E-03	7.10E-04	3.89E-03	2.57E-03	6.17E-04	7.79E-03	6.75E-04	7.75E-09	3.43E-05	1.68E-05	7.26E-04
5137	492363.09	3864377.25	2.07E-03	2.62E-08	4.77E-05	2.05E-05	2.14E-03	9.76E-04	1.08E-02	3.57E-03	7.50E-04	1.61E-02	9.28E-04	2.15E-08	4.77E-05	2.05E-05	9.96E-04
5138	492863.09	3864377.25	1.88E-03	1.58E-08	4.77E-05	1.80E-05	1.95E-03	8.87E-04	6.52E-03	3.58E-03	6.60E-04	1.16E-02	8.43E-04	1.30E-08	4.77E-05	1.80E-05	9.09E-04
5139	493363.09	3864377.25	2.03E-03	2.21E-08	4.61E-05	2.19E-05	2.09E-03	9.56E-04	9.12E-03	3.46E-03	8.02E-04	1.43E-02	9.09E-04	1.82E-08	4.61E-05	2.19E-05	9.77E-04
5140	493863.09	3864377.25	1.72E-03	2.86E-08	3.91E-05	1.76E-05	1.78E-03	8.12E-04	1.18E-02	2.93E-03	6.45E-04	1.62E-02	7.72E-04	2.35E-08	3.91E-05	1.76E-05	8.29E-04
5141	494363.09	3864377.25	1.58E-03	2.92E-08	3.72E-05	1.50E-05	1.64E-03	7.47E-04	1.20E-02	2.79E-03	5.49E-04	1.61E-02	7.10E-04	2.40E-08	3.72E-05	1.50E-05	7.63E-04
5142	494863.09	3864377.25	1.49E-03	2.88E-08	5.08E-05	1.44E-05	1.55E-03	7.02E-04	1.19E-02	3.81E-03	5.26E-04	1.69E-02	6.67E-04	2.36E-08	5.08E-05	1.44E-05	7.32E-04
5143	495363.09	3864377.25	1.31E-03	2.73E-08	5.64E-05	1.78E-05	1.39E-03	6.20E-04	1.12E-02	4.23E-03	6.54E-04	1.68E-02	5.89E-04	2.24E-08	5.64E-05	1.78E-05	6.64E-04
5144	495863.09	3864377.25	1.25E-03	2.56E-08	4.36E-05	1.64E-05	1.31E-03	5.88E-04	1.05E-02	3.27E-03	6.03E-04	1.50E-02	5.59E-04	2.10E-08	4.36E-05	1.64E-05	6.19E-04
5145	496363.09	3864377.25	1.19E-03	2.64E-08	3.46E-05	1.48E-05	1.24E-03	5.62E-04	1.09E-02	2.59E-03	5.43E-04	1.46E-02	5.35E-04	2.17E-08	3.46E-05	1.48E-05	5.84E-04
5146	496863.09	3864377.25	1.14E-03	2.52E-08	2.82E-05	1.55E-05	1.18E-03	5.36E-04	1.04E-02	2.12E-03	5.67E-04	1.36E-02	5.09E-04	2.07E-08	2.82E-05	1.55E-05	5.53E-04
5147	497363.09	3864377.25	1.10E-03	2.61E-08	3.37E-05	1.52E-05	1.15E-03	5.19E-04	1.08E-02	2.52E-03	5.56E-04	1.44E-02	4.93E-04	2.15E-08	3.37E-05	1.52E-05	5.42E-04
5148	497863.09	3864377.25	1.12E-03	2.70E-08	3.45E-05	1.50E-05	1.17E-03	5.29E-04	1.11E-02	2.58E-03	5.48E-04	1.48E-02	5.03E-04	2.22E-08	3.45E-05	1.50E-05	5.53E-04
5149	498363.09	3864377.25	9.74E-04	2.68E-08	2.95E-05	1.39E-05	1.02E-03	4.59E-04	1.11E-02	2.21E-03	5.10E-04	1.42E-02	4.37E-04	2.20E-08	2.95E-05	1.39E-05	4.80E-04
5150	471363.09	3864877.25	7.84E-04	1.14E-08	3.22E-05	8.54E-06	8.25E-04	3.70E-04	4.70E-03	2.41E-03	3.13E-04	7.80E-03	3.52E-04	9.37E-09	3.22E-05	8.54E-06	3.92E-04
5151	471863.09	3864877.25	7.76E-04	1.17E-08	3.11E-05	8.42E-06	8.15E-04	3.66E-04	4.83E-03	2.33E-03	3.09E-04	7.84E-03	3.48E-04	9.63E-09	3.11E-05	8.42E-06	3.87E-04
5152	472363.09	3864877.25	7.97E-04	1.18E-08	2.39E-05	8.49E-06	8.29E-04	3.76E-04	4.85E-03	1.79E-03	3.11E-04	7.33E-03	3.57E-04	9.66E-09	2.39E-05	8.49E-06	3.90E-04
5153	472863.09	3864877.25	8.64E-04	1.18E-08	3.20E-05	8.72E-06	9.04E-04	4.07E-04	4.86E-03	2.40E-03	3.20E-04	7.98E-03	3.87E-04	9.68E-09	3.20E-05	8.72E-06	4.28E-04
5154	473363.09	3864877.25	8.81E-04	1.22E-08	2.85E-05	8.92E-06	9.19E-04	4.16E-04	5.04E-03	2.14E-03	3.27E-04	7.92E-03	3.95E-04	1.00E-08	2.85E-05	8.92E-06	4.33E-04
5155	473863.09	3864877.25	9.73E-04	1.30E-08	2.70E-05	8.57E-06	1.01E-03	4.59E-04	5.36E-03	2.03E-03	3.14E-04	8.15E-03	4.37E-04	1.07E-08	2.70E-05	8.57E-06	4.72E-04
5156	474363.09	3864877.25	9.65E-04	1.38E-08	2.94E-05	9.06E-06	1.00E-03	4.55E-04	5.69E-03	2.21E-03	3.32E-04	8.68E-03	4.33E-04	1.13E-08	2.94E-05	9.06E-06	4.71E-04
5157	474863.09	3864877.25	9.15E-04	1.43E-08	3.04E-05	9.02E-06	9.55E-04	4.32E-04	5.89E-03	2.28E-03	3.31E-04	8.94E-03	4.10E-04	1.17E-08	3.04E-05	9.02E-06	4.50E-04
5158	475363.09	3864877.25	8.98E-04	1.46E-08	3.07E-05	9.58E-06	9.38E-04	4.23E-04	6.03E-03	2.30E-03	3.51E-04	9.10E-03	4.03E-04	1.20E-08	3.07E-05	9.58E-06	4.43E-04
5159	475863.09	3864877.25	8.60E-04	1.49E-08	3.62E-05	9.06E-06	9.05E-04	4.05E-04	6.16E-03	2.72E-03	3.32E-04	9.61E-03	3.86E-04	1.23E-08	3.62E-05	9.06E-06	4.31E-04
5160	476363.09	3864877.25	1.08E-03	1.58E-08	3.40E-05	9.04E-06	1.12E-03	5.09E-04	6.50E-03	2.55E-03	3.31E-04	9.89E-03	4.84E-04	1.30E-08	3.40E-05	9.04E-06	5.27E-04
5161	476863.09	3864877.25	1.08E-03	1.67E-08	4.00E-05	9.44E-06	1.13E-03	5.08E-04	6.87E-03	3.00E-03	3.46E-04	1.07E-02	4.83E-04	1.37E-08	4.00E-05	9.44E-06	5.33E-04
5162	477363.09	3864877.25	1.16E-03	1.70E-08	4.38E-05	1.02E-05	1.22E-03	5.48E-04	6.99E-03	3.29E-03	3.74E-04	1.12E-02	5.21E-04	1.39E-08	4.38E-05	1.02E-05	5.75E-04
5163	477863.09	3864877.25	1.07E-03	1.78E-08	3.72E-05	1.02E-05	1.12E-03	5.05E-04	7.35E-03	2.79E-03	3.73E-04	1.10E-02	4.80E-04	1.46E-08	3.72E-05	1.02E-05	5.28E-04
5164	478363.09	3864877.25	9.79E-04	1.74E-08	3.57E-05	1.03E-05	1.02E-03	4.62E-04	7.17E-03	2.68E-03	3.77E-04	1.07E-02	4.39E-04	1.43E-08	3.57E-05	1.03E-05	4.85E-04
5165	478863.09	3864877.25	9.45E-04	2.02E-08	3.73E-05	1.13E-05	9.93E-04	4.46E-04	8.32E-03	2.80E-03	4.13E-04	1.20E-02	4.24E-04	1.66E-08	3.73E-05	1.13E-05	4.72E-04
5166	479363.09	3864877.25	9.34E-04	2.03E-08	3.71E-05	1.09E-05	9.82E-04	4.41E-04	8.35E-03	2.79E-03	3.98E-04	1.20E-02	4.19E-04	1.66E-08	3.71E-05	1.09E-05	4.67E-04
5167	479863.09	3864877.25	9.60E-04	2.22E-08	3.53E-05	1.09E-05	1.01E-03	4.53E-04	9.13E-03	2.65E-03	3.99E-04	1.26E-02	4.31E-04	1.82E-08	3.53E-05	1.09E-05	4.77E-04
5168	480363.09	3864877.25	1.02E-03	2.25E-08	3.41E-05	1.10E-05	1.07E-03	4.83E-04	9.28E-03	2.55E-03	4.03E-04	1.27E-02	4.60E-04	1.85E-08	3.41E-05	1.10E-05	5.05E-04
5169	480863.09	3864877.25	1.00E-03	2.38E-08	3.02E-05	1.05E-05	1.04E-03	4.73E-04	9.80E-03	2.26E-03	3.85E-04	1.29E-02	4.49E-04	1.95E-08	3.02E-05	1.05E-05	4.90E-04
5170	481363.09	3864877.25	1.23E-03	2.42E-08	2.60E-05	1.05E-05	1.26E-03	5.78E-04	9.97E-03	1.95E-03	3.83E-04	1.29E-02	5.50E-04	1.99E-08	2.60E-05	1.05E-05	5.86E-04
5171	481863.09	3864877.25	1.39E-03	2.44E-08	3.00E-05	1.14E-05	1.43E-03	6.54E-04	1.00E-02	2.25E-03	4.19E-04	1.34E-02	6.22E-04	2.00E-08	3.00E-05	1.14E-05	6.64E-04
5172	482363.09	3864877.25	1.16E-03	2.27E-08	1.80E-05	1.11E-05	1.19E-03	5.49E-04	9.37E-03	1.35E-03	4.08E-04	1.17E-02	5.22E-04	1.87E-08	1.80E-05	1.11E-05	5.52E-04
5173	482863.09	3864877.25	1.06E-03	2.05E-08	1.39E-05	1.01E-05	1.08E-03	5.00E-04	8.46E-03	1.05E-03	3.71E-04	1.04E-02	4.76E-04	1.69E-08	1.39E-05	1.01E-05	5.00E-04
5174	483363.09	3864877.25	1.10E-03	2.21E-08	3.13E-05	1.07E-05	1.14E-03	5.18E-04	9.08E-03	2.35E-03	3.91E-04	1.23E-02	4.93E-04	1.81E-08	3.13E-05	1.07E-05	5.35E-04
5175	483863.09	3864877.25	1.26E-03	2.24E-08	4.21E-05	1.01E-05	1.32E-03	5.96E-04	9.22E-03	3.16E-03	3.71E-04	1.33E-02	5.67E-04	1.84E-08	4.21E-05	1.01E-05	6.19E-04
5176	484363.09	3864877.25	1.09E-03	2.24E-08	4.98E-05	8.89E-06	1.15E-03	5.14E-04	9.22E-03	3.74E-03	3.26E-04	1.38E-02	4.89E-04	1.84E-08	4.98E-05	8.89E-06	5.48E-04
5177	484863.09	3864877.25	1.10E-03	2.11E-08	2.45E-05	7.07E-06	1.13E-03	5.20E-04	8.70E-03	1.84E-03	2.59E-04	1.13E-02	4.94E-04	1.73E-08	2.45E-05	7.07E-06	5.26E-04
5178	485363.09	3864877.25	9.56E-04	2.32E-08	1.47E-05	9.27E-06	9.80E-04	4.51E-04	9.54E-03	1.10E-03	3.40E-04	1.14E-02	4.29E-04	1.90E-08	1.47E-05	9.27E-06	4.53E-04
5179	485863.09	3864877.25	1.02E-03	2.55E-08	1.41E-05	8.23E-06	1.04E-03	4.82E-04	1.05E-02	1.06E-03	3.02E-04	1.23E-02	4.59E-04	2.09E-08	1.41E-05	8.23E-06	4.81E-04
5180	486363.09	3864877.25	1.08E-03	2.29E-08	1.58E-05	7.35E-06	1.11E-03	5.11E-04	9.44E-03	1.19E-03	2.70E-04	1.14E-02	4.86E-04	1.88E-08	1.58E-05	7.35E-06	5.09E-04
5181	486863.09	3864877.25	1.09E-03	2.35E-08	1.68E-05	6.97E-06	1.11E-03	5.13E-04	9.69E-03	1.26E-03	2.56E-04	1.17E-02	4.88E-04	1.93E-08	1.68E-05	6.97E-06	5.11E-04

5182	487363.09	3864877.25	1.06E-03	2.48E-08	1.96E-05	6.88E-06	1.09E-03	5.01E-04	1.02E-02	1.47E-03	2.52E-04	1.24E-02	4.76E-04	2.03E-08	1.96E-05	6.88E-06	5.03E-04
5183	487863.09	3864877.25	1.27E-03	2.24E-08	3.70E-05	7.19E-06	1.32E-03	6.01E-04	9.24E-03	2.77E-03	2.64E-04	1.29E-02	5.71E-04	1.84E-08	3.70E-05	7.19E-06	6.15E-04
5184	488363.09	3864877.25	1.22E-03	2.28E-08	3.72E-05	1.13E-05	1.26E-03	5.73E-04	9.40E-03	2.79E-03	4.14E-04	1.32E-02	5.45E-04	1.87E-08	3.72E-05	1.13E-05	5.93E-04
5185	488863.09	3864877.25	1.19E-03	2.54E-08	2.24E-05	8.54E-06	1.22E-03	5.61E-04	1.05E-02	1.68E-03	3.13E-04	1.30E-02	5.33E-04	2.09E-08	2.24E-05	8.54E-06	5.64E-04
5186	489363.09	3864877.25	1.24E-03	2.66E-08	1.18E-05	8.25E-06	1.26E-03	5.87E-04	1.10E-02	8.86E-04	3.02E-04	1.27E-02	5.58E-04	2.18E-08	1.18E-05	8.25E-06	5.78E-04
5187	489863.09	3864877.25	1.30E-03	2.86E-08	9.35E-06	8.74E-06	1.32E-03	6.15E-04	1.18E-02	7.01E-04	3.20E-04	1.34E-02	5.85E-04	2.35E-08	9.35E-06	8.74E-06	6.03E-04
5188	490363.09	3864877.25	1.32E-03	3.02E-08	9.56E-06	1.14E-05	1.34E-03	6.23E-04	1.24E-02	7.17E-04	4.18E-04	1.42E-02	5.92E-04	2.48E-08	9.56E-06	1.14E-05	6.13E-04
5189	490863.09	3864877.25	1.58E-03	2.76E-08	7.40E-06	1.35E-05	1.60E-03	7.46E-04	1.14E-02	5.55E-04	4.96E-04	1.32E-02	7.09E-04	2.27E-08	7.40E-06	1.35E-05	7.30E-04
5190	491363.09	3864877.25	1.72E-03	3.25E-08	1.15E-05	1.81E-05	1.75E-03	8.11E-04	1.34E-02	8.59E-04	6.64E-04	1.57E-02	7.71E-04	2.67E-08	1.15E-05	1.81E-05	8.01E-04
5191	491863.09	3864877.25	1.48E-03	2.72E-08	2.44E-05	1.85E-05	1.52E-03	6.99E-04	1.12E-02	1.83E-03	6.78E-04	1.44E-02	6.64E-04	2.24E-08	2.44E-05	1.85E-05	7.07E-04
5192	492363.09	3864877.25	7.97E-04	6.00E-09	3.34E-05	1.02E-05	8.40E-04	3.76E-04	2.47E-03	2.50E-03	3.73E-04	5.72E-03	3.57E-04	4.92E-09	3.34E-05	1.02E-05	4.01E-04
5193	492863.09	3864877.25	1.26E-03	8.71E-09	4.69E-05	1.54E-05	1.32E-03	5.92E-04	3.59E-03	3.51E-03	5.66E-04	8.26E-03	5.63E-04	7.14E-09	4.69E-05	1.54E-05	6.25E-04
5194	493363.09	3864877.25	1.16E-03	9.62E-09	4.74E-05	1.29E-05	1.23E-03	5.49E-04	3.96E-03	3.55E-03	4.72E-04	8.54E-03	5.22E-04	7.89E-09	4.74E-05	1.29E-05	5.83E-04
5195	493863.09	3864877.25	1.83E-03	2.15E-08	4.18E-05	2.02E-05	1.90E-03	8.65E-04	8.87E-03	3.14E-03	7.40E-04	1.36E-02	8.22E-04	1.77E-08	4.18E-05	2.02E-05	8.84E-04
5196	494363.09	3864877.25	1.50E-03	2.77E-08	3.13E-05	1.82E-05	1.55E-03	7.05E-04	1.14E-02	2.35E-03	6.67E-04	1.51E-02	6.71E-04	2.28E-08	3.13E-05	1.82E-05	7.20E-04
5197	494863.09	3864877.25	1.44E-03	2.71E-08	3.46E-05	1.46E-05	1.49E-03	6.78E-04	1.12E-02	2.59E-03	5.34E-04	1.50E-02	6.45E-04	2.23E-08	3.46E-05	1.46E-05	6.94E-04
5198	495363.09	3864877.25	1.39E-03	2.71E-08	4.56E-05	1.32E-05	1.45E-03	6.56E-04	1.12E-02	3.42E-03	4.86E-04	1.57E-02	6.23E-04	2.22E-08	4.56E-05	1.32E-05	6.82E-04
5199	495863.09	3864877.25	1.20E-03	2.58E-08	5.10E-05	1.54E-05	1.26E-03	5.64E-04	1.06E-02	3.83E-03	5.66E-04	1.56E-02	5.37E-04	2.12E-08	5.10E-05	1.54E-05	6.03E-04
5200	496363.09	3864877.25	1.20E-03	2.31E-08	4.43E-05	1.70E-05	1.26E-03	5.66E-04	9.52E-03	3.33E-03	6.24E-04	1.40E-02	5.38E-04	1.90E-08	4.43E-05	1.70E-05	6.00E-04
5201	496863.09	3864877.25	1.08E-03	2.40E-08	3.39E-05	1.40E-05	1.13E-03	5.10E-04	9.89E-03	2.54E-03	5.12E-04	1.34E-02	4.85E-04	1.97E-08	3.39E-05	1.40E-05	5.33E-04
5202	497363.09	3864877.25	1.09E-03	2.31E-08	2.60E-05	1.38E-05	1.13E-03	5.12E-04	9.53E-03	1.95E-03	5.05E-04	1.25E-02	4.87E-04	1.90E-08	2.60E-05	1.38E-05	5.27E-04
5203	497863.09	3864877.25	1.00E-03	2.33E-08	2.98E-05	1.45E-05	1.05E-03	4.73E-04	9.61E-03	2.23E-03	5.30E-04	1.28E-02	4.50E-04	1.91E-08	2.98E-05	1.45E-05	4.94E-04
5204	498363.09	3864877.25	1.01E-03	2.38E-08	3.76E-05	1.42E-05	1.06E-03	4.77E-04	9.81E-03	2.82E-03	5.21E-04	1.36E-02	4.54E-04	1.95E-08	3.76E-05	1.42E-05	5.05E-04
5205	471363.09	3865377.25	7.51E-04	1.08E-08	2.71E-05	8.46E-06	7.87E-04	3.54E-04	4.46E-03	2.03E-03	3.10E-04	7.16E-03	3.37E-04	8.89E-09	2.71E-05	8.46E-06	3.72E-04
5206	471863.09	3865377.25	7.46E-04	1.10E-08	3.00E-05	8.72E-06	7.84E-04	3.52E-04	4.54E-03	2.25E-03	3.20E-04	7.46E-03	3.34E-04	9.05E-09	3.00E-05	8.72E-06	3.73E-04
5207	472363.09	3865377.25	8.06E-04	1.12E-08	2.71E-05	8.56E-06	8.42E-04	3.80E-04	4.61E-03	2.03E-03	3.14E-04	7.33E-03	3.61E-04	9.18E-09	2.71E-05	8.56E-06	3.97E-04
5208	472863.09	3865377.25	8.64E-04	1.19E-08	2.54E-05	8.99E-06	8.98E-04	4.07E-04	4.89E-03	1.90E-03	3.30E-04	7.53E-03	3.87E-04	9.74E-09	2.54E-05	8.99E-06	4.22E-04
5209	473363.09	3865377.25	9.16E-04	1.26E-08	2.77E-05	8.60E-06	9.53E-04	4.32E-04	5.17E-03	2.08E-03	3.15E-04	8.00E-03	4.11E-04	1.03E-08	2.77E-05	8.60E-06	4.47E-04
5210	473863.09	3865377.25	8.90E-04	1.29E-08	2.84E-05	8.84E-06	9.28E-04	4.20E-04	5.31E-03	2.13E-03	3.24E-04	8.18E-03	3.99E-04	1.06E-08	2.84E-05	8.84E-06	4.37E-04
5211	474363.09	3865377.25	8.60E-04	1.34E-08	2.75E-05	9.02E-06	8.97E-04	4.06E-04	5.54E-03	2.06E-03	3.31E-04	8.34E-03	3.86E-04	1.10E-08	2.75E-05	9.02E-06	4.22E-04
5212	474863.09	3865377.25	8.35E-04	1.37E-08	3.22E-05	8.59E-06	8.76E-04	3.94E-04	5.65E-03	2.42E-03	3.15E-04	8.78E-03	3.75E-04	1.13E-08	3.22E-05	8.59E-06	4.15E-04
5213	475363.09	3865377.25	8.21E-04	1.41E-08	3.62E-05	8.52E-06	8.66E-04	3.87E-04	5.83E-03	2.72E-03	3.12E-04	9.24E-03	3.68E-04	1.16E-08	3.62E-05	8.52E-06	4.13E-04
5214	475863.09	3865377.25	9.88E-04	1.43E-08	3.50E-05	8.84E-06	1.03E-03	4.66E-04	5.89E-03	2.63E-03	3.24E-04	9.31E-03	4.43E-04	1.17E-08	3.50E-05	8.84E-06	4.87E-04
5215	476363.09	3865377.25	9.95E-04	1.61E-08	4.08E-05	9.15E-06	1.05E-03	4.69E-04	6.62E-03	3.06E-03	3.36E-04	1.05E-02	4.46E-04	1.32E-08	4.08E-05	9.15E-06	4.96E-04
5216	476863.09	3865377.25	1.06E-03	1.49E-08	3.78E-05	1.06E-05	1.11E-03	5.00E-04	6.14E-03	2.83E-03	3.90E-04	9.87E-03	4.76E-04	1.22E-08	3.78E-05	1.06E-05	5.24E-04
5217	477363.09	3865377.25	1.02E-03	1.67E-08	3.54E-05	9.64E-06	1.06E-03	4.80E-04	6.88E-03	2.65E-03	3.53E-04	1.04E-02	4.57E-04	1.37E-08	3.54E-05	9.64E-06	5.02E-04
5218	477863.09	3865377.25	9.22E-04	1.73E-08	3.26E-05	1.00E-05	9.65E-04	4.35E-04	7.13E-03	2.44E-03	3.68E-04	1.04E-02	4.14E-04	1.42E-08	3.26E-05	1.00E-05	4.56E-04
5219	478363.09	3865377.25	9.03E-04	1.88E-08	3.66E-05	1.05E-05	9.50E-04	4.26E-04	7.75E-03	2.75E-03	3.84E-04	1.13E-02	4.05E-04	1.54E-08	3.66E-05	1.05E-05	4.52E-04
5220	478863.09	3865377.25	8.93E-04	1.83E-08	3.78E-05	1.10E-05	9.41E-04	4.21E-04	7.53E-03	2.84E-03	4.03E-04	1.12E-02	4.00E-04	1.50E-08	3.78E-05	1.10E-05	4.49E-04
5221	479363.09	3865377.25	8.93E-04	1.96E-08	3.30E-05	1.06E-05	9.37E-04	4.21E-04	8.09E-03	2.48E-03	3.88E-04	1.14E-02	4.01E-04	1.61E-08	3.30E-05	1.06E-05	4.44E-04
5222	479863.09	3865377.25	1.02E-03	2.01E-08	3.15E-05	1.08E-05	1.06E-03	4.82E-04	8.27E-03	2.36E-03	3.95E-04	1.15E-02	4.58E-04	1.65E-08	3.15E-05	1.08E-05	5.01E-04
5223	480363.09	3865377.25	9.48E-04	2.13E-08	2.77E-05	1.04E-05	9.87E-04	4.47E-04	8.76E-03	2.08E-03	3.80E-04	1.17E-02	4.25E-04	1.74E-08	2.77E-05	1.04E-05	4.63E-04
5224	480863.09	3865377.25	1.03E-03	2.17E-08	2.39E-05	1.03E-05	1.06E-03	4.84E-04	8.93E-03	1.79E-03	3.78E-04	1.16E-02	4.60E-04	1.78E-08	2.39E-05	1.03E-05	4.94E-04
5225	481363.09	3865377.25	1.25E-03	2.29E-08	2.66E-05	1.02E-05	1.28E-03	5.87E-04	9.42E-03	1.99E-03	3.75E-04	1.24E-02	5.59E-04	1.88E-08	2.66E-05	1.02E-05	5.95E-04
5226	481863.09	3865377.25	1.20E-03	2.04E-08	1.79E-05	1.01E-05	1.23E-03	5.67E-04	8.40E-03	1.34E-03	3.70E-04	1.07E-02	5.39E-04	1.67E-08	1.79E-05	1.01E-05	5.67E-04
5227	482363.09	3865377.25	1.06E-03	1.90E-08	1.20E-05	9.09E-06	1.08E-03	4.99E-04	7.83E-03	8.97E-04	3.33E-04	9.56E-03	4.75E-04	1.56E-08	1.20E-05	9.09E-06	4.96E-04
5228	482863.09	3865377.25	9.52E-04	1.89E-08	2.56E-05	9.26E-06	9.87E-04	4.49E-04	7.80E-03	1.92E-03	3.40E-04	1.05E-02	4.27E-04	1.55E-08	2.56E-05	9.26E-06	4.62E-04
5229	483363.09	3865377.25	1.06E-03	2.00E-08	3.95E-05	1.03E-05	1.11E-03	5.01E-04	8.23E-03	2.96E-03	3.76E-04	1.21E-02	4.76E-04	1.64E-08	3.95E-05	1.03E-05	5.26E-04
5230	483863.09	3865377.25	1.11E-03	1.98E-08	2.95E-05	9.19E-06	1.15E-03	5.25E-04	8.15E-03	2.22E-03	3.37E-04	1.12E-02	5.00E-04	1.62E-08	2.95E-05	9.19E-06	5.38E-04
5231	484363.09	3865377.25	1.04E-03	1.87E-08	3.40E-05	8.50E-06	1.08E-03	4.91E-04	7.71E-03	2.55E-03	3.12E-04	1.11E-02	4.67E-04	1.54E-08	3.40E-05	8.50E-06	5.09E-04
5232	484863.09	3865377.25	1.04E-03	2.03E-08	1.68E-05	7.53E-06	1.06E-03	4.89E-04	8.37E-03	1.26E-03	2.76E-04	1.04E-02	4.65E-04	1.67E-08	1.68E-05	7.53E-06	4.89E-04
5233	485363.09	3865377.25	9.14E-04	2.13E-08	1.48E-05	9.08E-06	9.38E-04	4.31E-04	8.77E-03	1.11E-03	3.33E-04	1.06E-02	4.10E-04	1.75E-08	1.48E-05	9.08E-06	4.34E-04
5234	485863.09	3865377.25	9.72E-04	2.15E-08	1.26E-05	6.35E-06	9.91E-04	4.58E-04	8.86E-03	9.47E-04	2.33E-04	1.05E-02	4.36E-04	1.76E-08	1.26E-05	6.35E-06	4.55E-04
5235	486363.09	3865377.25	9.77E-04	1.89E-08	1.74E-05	7.61E-06	1.00E-03	4.61E-04	7.77E-03	1.30E-03	2.79E-04	9.81E-03	4.38E-04	1.55E-08	1.74E-05	7.61E-06	4.63E-04
5236	486863.09	3865377.25	1.04E-03	2.03E-08	1.68E-05	6.00E-06	1.07E-03	4.92E-04	8.37E-03	1.26E-03	2.20E-04	1.03E-02	4.68E-04	1.67E-08	1.68E-05	6.00E-06	4.91E-04
5237	487363.09	3865377.25	1.01E-03	2.12E-08	1.91E-05	7.05E-06	1.03E-03	4.75E-04	8.75E-03	1.43E-03	2.59E-04	1.09E-02	4.51E-04	1.74E-08	1.91E-05	7.05E-06	4.78E-04
5238	487863.09	3865377.25	1.15E-03	2.04E-08	3.72E-05	7.64E-06	1.19E-03	5.42E-04	8.39E-03	2.79E-03	2.80E-04	1.20E-02	5.15E-04	1.67E-08	3.72E-05	7.64E-06	5.60E-04
5239	488363.09	3865377.25	1.17E-03	2.05E-08	3.54E-05	1.06E-05	1.22E-03	5.53E-04	8.45E-03	2.66E-03	3.89E-04	1.21E-02	5.26E-04	1.68E-08	3.54E-05	1.06E-05	5.72E-04
5240	488863.09	3865377.25	1.15E-03	2.23E-08	2.18E-05	7.15E-06	1.18E-03	5.41E-04	9.19E-03	1.63E-03	2.62E-04	1.16E-02	5.14E-04	1.83E-08	2.18E-05	7.15E-06	5.43E-04
5241	489363.09	3865377.25	1.16E-03	2.35E-08	1.33E-05	6.26E-06	1.18E-03	5.49E-04	9.67E-03	9.99E-04	2.30E-04	1.14E-02	5.22E-04	1.93E-08	1.33E-05	6.26E-06	5.41E-04
5242	489863.09	3865377.25	1.27E-03	2.65E-08	1.04E-05	8.84E-06	1.29E-03	5.99E-04	1.09E-02	7.77E-04	3.24E-04	1.26E-02	5.70E-04	2.17E-08	1.04E-05	8.84E-06	5.89E-04

5243	490363.09	3865377.25	1.25E-03	2.44E-08	1.26E-05	9.89E-06	1.28E-03	5.91E-04	1.00E-02	9.42E-04	3.63E-04	1.19E-02	5.62E-04	2.00E-08	1.26E-05	9.89E-06	5.85E-04
5244	490863.09	3865377.25	1.33E-03	2.40E-08	7.90E-06	1.16E-05	1.35E-03	6.26E-04	9.90E-03	5.93E-04	4.25E-04	1.15E-02	5.95E-04	1.97E-08	7.90E-06	1.16E-05	6.15E-04
5245	491363.09	3865377.25	1.59E-03	2.52E-08	7.70E-06	1.41E-05	1.61E-03	7.51E-04	1.04E-02	5.78E-04	5.16E-04	1.22E-02	7.14E-04	2.07E-08	7.70E-06	1.41E-05	7.36E-04
5246	491863.09	3865377.25	1.47E-03	2.54E-08	1.55E-05	1.70E-05	1.51E-03	6.95E-04	1.05E-02	1.16E-03	6.23E-04	1.29E-02	6.61E-04	2.08E-08	1.55E-05	1.70E-05	6.93E-04
5247	492363.09	3865377.25	1.64E-03	1.46E-08	2.78E-05	1.71E-05	1.68E-03	7.73E-04	6.00E-03	2.08E-03	6.25E-04	9.48E-03	7.35E-04	1.20E-08	2.78E-05	1.71E-05	7.80E-04
5248	492863.09	3865377.25	1.51E-03	1.02E-08	3.90E-05	1.59E-05	1.56E-03	7.12E-04	4.20E-03	2.92E-03	5.82E-04	8.42E-03	6.77E-04	8.37E-09	3.90E-05	1.59E-05	7.32E-04
5249	493363.09	3865377.25	1.11E-03	7.66E-09	3.95E-05	1.03E-05	1.16E-03	5.25E-04	3.15E-03	2.96E-03	3.79E-04	7.02E-03	4.99E-04	6.28E-09	3.95E-05	1.03E-05	5.49E-04
5250	493863.09	3865377.25	1.64E-03	1.65E-08	4.81E-05	1.77E-05	1.70E-03	7.72E-04	6.80E-03	3.60E-03	6.50E-04	1.18E-02	7.34E-04	1.36E-08	4.81E-05	1.77E-05	7.99E-04
5251	494363.09	3865377.25	1.64E-03	2.18E-08	3.80E-05	1.86E-05	1.70E-03	7.74E-04	8.96E-03	2.85E-03	6.82E-04	1.33E-02	7.36E-04	1.79E-08	3.80E-05	1.86E-05	7.93E-04
5252	494863.09	3865377.25	1.43E-03	2.70E-08	2.87E-05	1.76E-05	1.48E-03	6.75E-04	1.11E-02	2.15E-03	6.47E-04	1.46E-02	6.42E-04	2.22E-08	2.87E-05	1.76E-05	6.88E-04
5253	495363.09	3865377.25	1.34E-03	2.51E-08	3.16E-05	1.39E-05	1.38E-03	6.30E-04	1.04E-02	2.37E-03	5.11E-04	1.39E-02	5.99E-04	2.06E-08	3.16E-05	1.39E-05	6.45E-04
5254	495863.09	3865377.25	1.30E-03	2.49E-08	4.11E-05	1.28E-05	1.35E-03	6.13E-04	1.03E-02	3.08E-03	4.68E-04	1.44E-02	5.83E-04	2.05E-08	4.11E-05	1.28E-05	6.37E-04
5255	496363.09	3865377.25	1.11E-03	2.36E-08	4.81E-05	1.24E-05	1.17E-03	5.25E-04	9.72E-03	3.61E-03	4.55E-04	1.43E-02	5.00E-04	1.94E-08	4.81E-05	1.24E-05	5.60E-04
5256	496863.09	3865377.25	1.13E-03	2.18E-08	4.32E-05	1.49E-05	1.19E-03	5.32E-04	8.98E-03	3.24E-03	5.47E-04	1.33E-02	5.05E-04	1.79E-08	4.32E-05	1.49E-05	5.64E-04
5257	497363.09	3865377.25	1.02E-03	2.16E-08	3.49E-05	1.45E-05	1.07E-03	4.83E-04	8.88E-03	2.62E-03	5.31E-04	1.25E-02	4.59E-04	1.77E-08	3.49E-05	1.45E-05	5.09E-04
5258	497863.09	3865377.25	9.44E-04	2.18E-08	2.43E-05	1.32E-05	9.81E-04	4.45E-04	8.97E-03	1.82E-03	4.84E-04	1.17E-02	4.23E-04	1.79E-08	2.43E-05	1.32E-05	4.61E-04
5259	498363.09	3865377.25	9.45E-04	2.15E-08	2.55E-05	1.30E-05	9.84E-04	4.46E-04	8.86E-03	1.91E-03	4.78E-04	1.17E-02	4.24E-04	1.76E-08	2.55E-05	1.30E-05	4.62E-04
5260	471363.09	3865877.25	7.65E-04	1.08E-08	2.55E-05	8.76E-06	7.99E-04	3.61E-04	4.46E-03	1.92E-03	3.21E-04	7.06E-03	3.43E-04	8.88E-09	2.55E-05	8.76E-06	3.77E-04
5261	471863.09	3865877.25	7.95E-04	1.10E-08	2.39E-05	8.67E-06	8.27E-04	3.75E-04	4.53E-03	1.80E-03	3.18E-04	7.02E-03	3.56E-04	9.03E-09	2.39E-05	8.67E-06	3.89E-04
5262	472363.09	3865877.25	8.44E-04	1.15E-08	2.61E-05	8.88E-06	8.79E-04	3.98E-04	4.72E-03	1.96E-03	3.25E-04	7.40E-03	3.79E-04	9.40E-09	2.61E-05	8.88E-06	4.14E-04
5263	472863.09	3865877.25	8.54E-04	1.16E-08	2.63E-05	8.65E-06	8.89E-04	4.03E-04	4.79E-03	1.97E-03	3.17E-04	7.48E-03	3.83E-04	9.54E-09	2.63E-05	8.65E-06	4.18E-04
5264	473363.09	3865877.25	8.25E-04	1.20E-08	2.57E-05	8.57E-06	8.59E-04	3.89E-04	4.96E-03	1.93E-03	3.14E-04	7.59E-03	3.70E-04	9.88E-09	2.57E-05	8.57E-06	4.04E-04
5265	473863.09	3865877.25	7.86E-04	1.20E-08	2.89E-05	8.15E-06	8.24E-04	3.71E-04	4.94E-03	2.17E-03	2.99E-04	7.78E-03	3.53E-04	9.84E-09	2.89E-05	8.15E-06	3.90E-04
5266	474363.09	3865877.25	7.67E-04	1.30E-08	3.31E-05	8.02E-06	8.09E-04	3.62E-04	5.36E-03	2.49E-03	2.94E-04	8.51E-03	3.44E-04	1.07E-08	3.31E-05	8.02E-06	3.85E-04
5267	474863.09	3865877.25	7.93E-04	1.33E-08	3.13E-05	8.32E-06	8.32E-04	3.74E-04	5.47E-03	2.35E-03	3.05E-04	8.49E-03	3.55E-04	1.09E-08	3.13E-05	8.32E-06	3.95E-04
5268	475363.09	3865877.25	9.03E-04	1.34E-08	3.63E-05	7.92E-06	9.47E-04	4.26E-04	5.51E-03	2.72E-03	2.90E-04	8.95E-03	4.05E-04	1.10E-08	3.63E-05	7.92E-06	4.49E-04
5269	475863.09	3865877.25	9.09E-04	1.49E-08	3.78E-05	8.67E-06	9.56E-04	4.29E-04	6.14E-03	2.83E-03	3.18E-04	9.72E-03	4.08E-04	1.22E-08	3.78E-05	8.67E-06	4.54E-04
5270	476363.09	3865877.25	9.67E-04	1.52E-08	3.33E-05	9.10E-06	1.01E-03	4.56E-04	6.28E-03	2.50E-03	3.34E-04	9.57E-03	4.34E-04	1.25E-08	3.33E-05	9.10E-06	4.76E-04
5271	476863.09	3865877.25	9.98E-04	1.39E-08	3.04E-05	9.20E-06	1.04E-03	4.71E-04	5.74E-03	2.28E-03	3.37E-04	8.83E-03	4.48E-04	1.14E-08	3.04E-05	9.20E-06	4.87E-04
5272	477363.09	3865877.25	8.81E-04	1.62E-08	3.36E-05	9.44E-06	9.24E-04	4.15E-04	6.67E-03	2.52E-03	3.46E-04	9.95E-03	3.95E-04	1.33E-08	3.36E-05	9.44E-06	4.38E-04
5273	477863.09	3865877.25	8.64E-04	1.72E-08	3.58E-05	1.02E-05	9.10E-04	4.07E-04	7.08E-03	2.69E-03	3.73E-04	1.05E-02	3.87E-04	1.41E-08	3.58E-05	1.02E-05	4.33E-04
5274	478363.09	3865877.25	8.49E-04	1.63E-08	3.77E-05	1.12E-05	8.98E-04	4.00E-04	6.72E-03	2.83E-03	4.09E-04	1.04E-02	3.81E-04	1.34E-08	3.77E-05	1.12E-05	4.30E-04
5275	478863.09	3865877.25	8.61E-04	1.75E-08	2.98E-05	1.12E-05	9.02E-04	4.06E-04	7.21E-03	2.24E-03	4.11E-04	1.03E-02	3.86E-04	1.44E-08	2.98E-05	1.12E-05	4.27E-04
5276	479363.09	3865877.25	8.87E-04	1.75E-08	2.92E-05	1.13E-05	9.27E-04	4.18E-04	7.20E-03	2.19E-03	4.16E-04	1.02E-02	3.98E-04	1.43E-08	2.92E-05	1.13E-05	4.38E-04
5277	479863.09	3865877.25	8.70E-04	1.87E-08	2.57E-05	1.05E-05	9.06E-04	4.10E-04	7.70E-03	1.93E-03	3.85E-04	1.04E-02	3.90E-04	1.53E-08	2.57E-05	1.05E-05	4.26E-04
5278	480363.09	3865877.25	8.75E-04	1.93E-08	2.21E-05	1.02E-05	9.07E-04	4.13E-04	7.96E-03	1.66E-03	3.74E-04	1.04E-02	3.92E-04	1.59E-08	2.21E-05	1.02E-05	4.25E-04
5279	480863.09	3865877.25	1.09E-03	2.03E-08	2.43E-05	9.11E-06	1.12E-03	5.15E-04	8.36E-03	1.82E-03	3.34E-04	1.10E-02	4.89E-04	1.66E-08	2.43E-05	9.11E-06	5.23E-04
5280	481363.09	3865877.25	1.22E-03	1.84E-08	1.84E-05	8.46E-06	1.25E-03	5.75E-04	7.59E-03	1.38E-03	3.10E-04	9.85E-03	5.46E-04	1.51E-08	1.84E-05	8.46E-06	5.73E-04
5281	481863.09	3865877.25	1.05E-03	1.78E-08	1.04E-05	8.92E-06	1.07E-03	4.93E-04	7.32E-03	7.81E-04	3.27E-04	8.92E-03	4.69E-04	1.46E-08	1.04E-05	8.92E-06	4.89E-04
5282	482363.09	3865877.25	9.54E-04	1.84E-08	1.65E-05	7.70E-06	9.78E-04	4.50E-04	7.60E-03	1.24E-03	2.82E-04	9.57E-03	4.28E-04	1.51E-08	1.65E-05	7.70E-06	4.52E-04
5283	482863.09	3865877.25	8.87E-04	1.81E-08	2.51E-05	9.20E-06	9.21E-04	4.18E-04	7.46E-03	1.88E-03	3.37E-04	1.01E-02	3.98E-04	1.49E-08	2.51E-05	9.20E-06	4.32E-04
5284	483363.09	3865877.25	1.06E-03	1.83E-08	4.04E-05	9.89E-06	1.11E-03	4.99E-04	7.52E-03	3.03E-03	3.63E-04	1.14E-02	4.74E-04	1.50E-08	4.04E-05	9.89E-06	5.25E-04
5285	483863.09	3865877.25	9.37E-04	1.74E-08	4.30E-05	8.80E-06	9.89E-04	4.42E-04	7.17E-03	3.22E-03	3.23E-04	1.12E-02	4.20E-04	1.43E-08	4.30E-05	8.80E-06	4.72E-04
5286	484363.09	3865877.25	1.01E-03	1.80E-08	2.21E-05	8.34E-06	1.04E-03	4.77E-04	7.41E-03	1.66E-03	3.06E-04	9.85E-03	4.53E-04	1.48E-08	2.21E-05	8.34E-06	4.84E-04
5287	484863.09	3865877.25	9.45E-04	1.86E-08	1.27E-05	9.71E-06	9.68E-04	4.46E-04	7.66E-03	9.49E-04	3.56E-04	9.41E-03	4.24E-04	1.53E-08	1.27E-05	9.71E-06	4.46E-04
5288	485363.09	3865877.25	8.74E-04	2.00E-08	1.46E-05	8.16E-06	8.97E-04	4.12E-04	8.24E-03	1.10E-03	2.99E-04	1.01E-02	3.92E-04	1.64E-08	1.46E-05	8.16E-06	4.15E-04
5289	485863.09	3865877.25	9.26E-04	1.72E-08	1.43E-05	6.01E-06	9.47E-04	4.37E-04	7.08E-03	1.08E-03	2.20E-04	8.81E-03	4.16E-04	1.41E-08	1.43E-05	6.01E-06	4.36E-04
5290	486363.09	3865877.25	9.15E-04	1.65E-08	1.21E-05	7.35E-06	9.34E-04	4.31E-04	6.78E-03	9.08E-04	2.69E-04	8.39E-03	4.10E-04	1.35E-08	1.21E-05	7.35E-06	4.30E-04
5291	486863.09	3865877.25	9.42E-04	1.93E-08	1.67E-05	5.93E-06	9.65E-04	4.44E-04	7.96E-03	1.26E-03	2.17E-04	9.88E-03	4.23E-04	1.59E-08	1.67E-05	5.93E-06	4.45E-04
5292	487363.09	3865877.25	9.67E-04	1.84E-08	1.85E-05	7.12E-06	9.93E-04	4.56E-04	7.59E-03	1.39E-03	2.61E-04	9.69E-03	4.34E-04	1.51E-08	1.85E-05	7.12E-06	4.60E-04
5293	487863.09	3865877.25	1.08E-03	1.80E-08	3.64E-05	8.05E-06	1.12E-03	5.07E-04	7.43E-03	2.73E-03	2.95E-04	1.10E-02	4.83E-04	1.48E-08	3.64E-05	8.05E-06	5.27E-04
5294	488363.09	3865877.25	1.11E-03	1.89E-08	3.38E-05	1.00E-05	1.15E-03	5.23E-04	7.78E-03	2.53E-03	3.68E-04	1.12E-02	4.98E-04	1.55E-08	3.38E-05	1.00E-05	5.41E-04
5295	488863.09	3865877.25	1.12E-03	2.02E-08	1.86E-05	7.88E-06	1.15E-03	5.30E-04	8.33E-03	1.40E-03	2.89E-04	1.05E-02	5.04E-04	1.66E-08	1.86E-05	7.88E-06	5.30E-04
5296	489363.09	3865877.25	1.13E-03	2.21E-08	1.47E-05	5.59E-06	1.15E-03	5.32E-04	9.10E-03	1.10E-03	2.05E-04	1.09E-02	5.06E-04	1.81E-08	1.47E-05	5.59E-06	5.26E-04
5297	489863.09	3865877.25	1.14E-03	2.26E-08	9.85E-06	7.83E-06	1.15E-03	5.36E-04	9.30E-03	7.39E-04	2.87E-04	1.09E-02	5.10E-04	1.85E-08	9.85E-06	7.83E-06	5.27E-04
5298	490363.09	3865877.25	1.20E-03	2.25E-08	9.68E-06	7.89E-06	1.22E-03	5.67E-04	9.28E-03	7.26E-04	2.89E-04	1.09E-02	5.39E-04	1.85E-08	9.68E-06	7.89E-06	5.57E-04
5299	490863.09	3865877.25	1.18E-03	2.38E-08	9.12E-06	1.03E-05	1.20E-03	5.58E-04	9.80E-03	6.84E-04	3.77E-04	1.14E-02	5.31E-04	1.95E-08	9.12E-06	1.03E-05	5.50E-04
5300	491363.09	3865877.25	1.48E-03	2.08E-08	6.09E-06	1.21E-05	1.50E-03	7.00E-04	8.58E-03	4.57E-04	4.42E-04	1.02E-02	6.65E-04	1.71E-08	6.09E-06	1.21E-05	6.84E-04
5301	491863.09	3865877.25	1.72E-03	2.33E-08	4.33E-06	1.51E-05	1.74E-03	8.10E-04	9.61E-03	3.25E-04	5.53E-04	1.13E-02	7.70E-04	1.91E-08	4.33E-06	1.51E-05	7.89E-04
5302	492363.09	3865877.25	1.50E-03	2.05E-08	1.97E-05	1.62E-05	1.53E-03	7.05E-04	8.45E-03	1.47E-03	5.94E-04	1.12E-02	6.71E-04	1.68E-08	1.97E-05	1.62E-05	7.07E-04
5303	492863.09	3865877.25	1.49E-03	8.97E-09	2.97E-05	1.52E-05	1.53E-03	7.00E-04	3.70E-03	2.22E-03	5.56E-04	7.18E-03	6.66E-04	7.36E-09	2.97E-05	1.52E-05	7.11E-04

5304	493363.09	3865877.25	1.50E-03	1.16E-08	4.81E-05	1.60E-05	1.56E-03	7.06E-04	4.78E-03	3.61E-03	5.87E-04	9.68E-03	6.72E-04	9.52E-09	4.81E-05	1.60E-05	7.36E-04
5305	493863.09	3865877.25	1.76E-03	1.47E-08	3.82E-05	1.61E-05	1.81E-03	8.29E-04	6.05E-03	2.86E-03	5.91E-04	1.03E-02	7.88E-04	1.20E-08	3.82E-05	1.61E-05	8.43E-04
5306	494363.09	3865877.25	1.57E-03	2.38E-08	4.18E-05	1.43E-05	1.63E-03	7.41E-04	9.80E-03	3.14E-03	5.26E-04	1.42E-02	7.05E-04	1.95E-08	4.18E-05	1.43E-05	7.61E-04
5307	494863.09	3865877.25	1.30E-03	2.54E-08	3.47E-05	1.73E-05	1.35E-03	6.13E-04	1.05E-02	2.60E-03	6.35E-04	1.43E-02	5.83E-04	2.08E-08	3.47E-05	1.73E-05	6.35E-04
5308	495363.09	3865877.25	1.17E-03	2.76E-08	2.88E-05	1.76E-05	1.21E-03	5.50E-04	1.14E-02	2.16E-03	6.45E-04	1.47E-02	5.23E-04	2.26E-08	2.88E-05	1.76E-05	5.70E-04
5309	495863.09	3865877.25	1.24E-03	2.31E-08	2.83E-05	1.35E-05	1.29E-03	5.87E-04	9.50E-03	2.13E-03	4.95E-04	1.27E-02	5.58E-04	1.89E-08	2.83E-05	1.35E-05	6.00E-04
5310	496363.09	3865877.25	1.36E-03	2.20E-08	3.68E-05	1.20E-05	1.41E-03	6.43E-04	9.06E-03	2.76E-03	4.40E-04	1.29E-02	6.11E-04	1.81E-08	3.68E-05	1.20E-05	6.60E-04
5311	496863.09	3865877.25	1.27E-03	1.99E-08	4.46E-05	1.04E-05	1.32E-03	5.98E-04	8.21E-03	3.35E-03	3.82E-04	1.25E-02	5.69E-04	1.64E-08	4.46E-05	1.04E-05	6.24E-04
5312	497363.09	3865877.25	1.02E-03	2.08E-08	4.00E-05	1.22E-05	1.07E-03	4.80E-04	8.58E-03	3.00E-03	4.49E-04	1.25E-02	4.56E-04	1.71E-08	4.00E-05	1.22E-05	5.08E-04
5313	497863.09	3865877.25	9.57E-04	1.95E-08	3.26E-05	1.49E-05	1.00E-03	4.51E-04	8.03E-03	2.45E-03	5.47E-04	1.15E-02	4.29E-04	1.60E-08	3.26E-05	1.49E-05	4.77E-04
5314	498363.09	3865877.25	1.03E-03	1.91E-08	2.54E-05	1.23E-05	1.06E-03	4.83E-04	7.85E-03	1.90E-03	4.51E-04	1.07E-02	4.60E-04	1.56E-08	2.54E-05	1.23E-05	4.97E-04
5315	471363.09	3866377.25	7.82E-04	1.06E-08	2.48E-05	8.55E-06	8.16E-04	3.69E-04	4.38E-03	1.86E-03	3.14E-04	6.92E-03	3.51E-04	8.72E-09	2.48E-05	8.55E-06	3.84E-04
5316	471863.09	3866377.25	8.14E-04	1.05E-08	2.46E-05	8.60E-06	8.47E-04	3.84E-04	4.32E-03	1.84E-03	3.15E-04	6.86E-03	3.65E-04	8.61E-09	2.46E-05	8.60E-06	3.98E-04
5317	472363.09	3866377.25	8.04E-04	1.11E-08	2.48E-05	8.40E-06	8.37E-04	3.79E-04	4.56E-03	1.86E-03	3.08E-04	7.10E-03	3.60E-04	9.08E-09	2.48E-05	8.40E-06	3.94E-04
5318	472863.09	3866377.25	7.61E-04	1.13E-08	2.62E-05	8.13E-06	7.95E-04	3.59E-04	4.67E-03	1.96E-03	2.98E-04	7.29E-03	3.41E-04	9.29E-09	2.62E-05	8.13E-06	3.76E-04
5319	473363.09	3866377.25	7.36E-04	1.15E-08	2.98E-05	7.80E-06	7.73E-04	3.47E-04	4.73E-03	2.24E-03	2.86E-04	7.60E-03	3.30E-04	9.42E-09	2.98E-05	7.80E-06	3.68E-04
5320	473863.09	3866377.25	7.21E-04	1.20E-08	2.86E-05	7.79E-06	7.57E-04	3.40E-04	4.96E-03	2.15E-03	2.86E-04	7.74E-03	3.23E-04	9.89E-09	2.86E-05	7.79E-06	3.60E-04
5321	474363.09	3866377.25	7.62E-04	1.27E-08	3.27E-05	7.26E-06	8.02E-04	3.59E-04	5.22E-03	2.45E-03	2.66E-04	8.30E-03	3.42E-04	1.04E-08	3.27E-05	7.26E-06	3.82E-04
5322	474863.09	3866377.25	8.19E-04	1.29E-08	3.65E-05	7.77E-06	8.63E-04	3.86E-04	5.29E-03	2.74E-03	2.85E-04	8.70E-03	3.67E-04	1.05E-08	3.65E-05	7.77E-06	4.12E-04
5323	475363.09	3866377.25	8.21E-04	1.37E-08	3.27E-05	8.22E-06	8.62E-04	3.87E-04	5.66E-03	2.46E-03	3.01E-04	8.80E-03	3.68E-04	1.13E-08	3.27E-05	8.22E-06	4.09E-04
5324	475863.09	3866377.25	8.58E-04	1.47E-08	3.10E-05	8.55E-06	8.98E-04	4.05E-04	6.05E-03	2.32E-03	3.13E-04	9.10E-03	3.85E-04	1.21E-08	3.10E-05	8.55E-06	4.24E-04
5325	476363.09	3866377.25	9.11E-04	1.47E-08	3.25E-05	9.22E-06	9.53E-04	4.30E-04	6.04E-03	2.44E-03	3.38E-04	9.25E-03	4.09E-04	1.20E-08	3.25E-05	9.22E-06	4.50E-04
5326	476863.09	3866377.25	8.52E-04	1.35E-08	3.24E-05	9.57E-06	8.94E-04	4.02E-04	5.57E-03	2.43E-03	3.51E-04	8.75E-03	3.82E-04	1.11E-08	3.24E-05	9.57E-06	4.24E-04
5327	477363.09	3866377.25	8.41E-04	1.48E-08	3.58E-05	9.39E-06	8.86E-04	3.97E-04	6.08E-03	2.69E-03	3.44E-04	9.51E-03	3.77E-04	1.21E-08	3.58E-05	9.39E-06	4.22E-04
5328	477863.09	3866377.25	8.11E-04	1.51E-08	3.66E-05	1.11E-05	8.59E-04	3.83E-04	6.24E-03	2.75E-03	4.08E-04	9.77E-03	3.64E-04	1.24E-08	3.66E-05	1.11E-05	4.12E-04
5329	478363.09	3866377.25	8.31E-04	1.51E-08	2.82E-05	1.14E-05	8.71E-04	3.92E-04	6.21E-03	2.12E-03	4.19E-04	9.13E-03	3.73E-04	1.24E-08	2.82E-05	1.14E-05	4.12E-04
5330	478863.09	3866377.25	8.30E-04	1.55E-08	2.73E-05	1.02E-05	8.68E-04	3.92E-04	6.38E-03	2.05E-03	3.74E-04	9.20E-03	3.72E-04	1.27E-08	2.73E-05	1.02E-05	4.10E-04
5331	479363.09	3866377.25	8.39E-04	1.63E-08	2.41E-05	1.09E-05	8.74E-04	3.96E-04	6.69E-03	1.80E-03	4.00E-04	9.30E-03	3.76E-04	1.33E-08	2.41E-05	1.09E-05	4.11E-04
5332	479863.09	3866377.25	8.53E-04	1.71E-08	2.08E-05	1.02E-05	8.84E-04	4.02E-04	7.02E-03	1.56E-03	3.74E-04	9.36E-03	3.83E-04	1.40E-08	2.08E-05	1.02E-05	4.14E-04
5333	480363.09	3866377.25	8.89E-04	1.82E-08	2.38E-05	8.59E-06	9.21E-04	4.19E-04	7.50E-03	1.79E-03	3.15E-04	1.00E-02	3.99E-04	1.49E-08	2.38E-05	8.59E-06	4.31E-04
5334	480863.09	3866377.25	1.10E-03	1.73E-08	1.88E-05	7.95E-06	1.13E-03	5.20E-04	7.12E-03	1.41E-03	2.91E-04	9.34E-03	4.94E-04	1.42E-08	1.88E-05	7.95E-06	5.21E-04
5335	481363.09	3866377.25	1.07E-03	1.66E-08	9.97E-06	8.20E-06	1.09E-03	5.06E-04	6.85E-03	7.47E-04	3.01E-04	8.41E-03	4.81E-04	1.37E-08	9.97E-06	8.20E-06	4.99E-04
5336	481863.09	3866377.25	9.75E-04	1.68E-08	1.25E-05	7.10E-06	9.95E-04	4.60E-04	6.94E-03	9.37E-04	2.60E-04	8.59E-03	4.37E-04	1.38E-08	1.25E-05	7.10E-06	4.57E-04
5337	482363.09	3866377.25	8.80E-04	1.67E-08	2.28E-05	7.40E-06	9.10E-04	4.15E-04	6.90E-03	1.71E-03	2.71E-04	9.29E-03	3.95E-04	1.37E-08	2.28E-05	7.40E-06	4.25E-04
5338	482863.09	3866377.25	8.59E-04	1.66E-08	4.91E-05	9.09E-06	9.17E-04	4.05E-04	6.84E-03	3.68E-03	3.33E-04	1.13E-02	3.85E-04	1.36E-08	4.91E-05	9.09E-06	4.44E-04
5339	483363.09	3866377.25	1.05E-03	1.62E-08	2.89E-05	9.57E-06	1.09E-03	4.97E-04	6.66E-03	2.17E-03	3.51E-04	9.68E-03	4.72E-04	1.33E-08	2.89E-05	9.57E-06	5.11E-04
5340	483863.09	3866377.25	9.04E-04	1.63E-08	2.96E-05	8.83E-06	9.43E-04	4.27E-04	6.70E-03	2.22E-03	3.24E-04	9.67E-03	4.06E-04	1.33E-08	2.96E-05	8.83E-06	4.44E-04
5341	484363.09	3866377.25	9.75E-04	1.74E-08	1.85E-05	8.66E-06	1.00E-03	4.60E-04	7.18E-03	1.39E-03	3.18E-04	9.35E-03	4.37E-04	1.43E-08	1.85E-05	8.66E-06	4.65E-04
5342	484863.09	3866377.25	8.67E-04	1.75E-08	1.29E-05	1.02E-05	8.90E-04	4.09E-04	7.20E-03	9.70E-04	3.74E-04	8.95E-03	3.89E-04	1.43E-08	1.29E-05	1.02E-05	4.12E-04
5343	485363.09	3866377.25	8.38E-04	1.71E-08	1.15E-05	6.92E-06	8.57E-04	3.95E-04	7.03E-03	8.66E-04	2.54E-04	8.55E-03	3.76E-04	1.40E-08	1.15E-05	6.92E-06	3.94E-04
5344	485863.09	3866377.25	8.83E-04	1.57E-08	1.33E-05	6.67E-06	9.03E-04	4.16E-04	6.46E-03	9.94E-04	2.45E-04	8.12E-03	3.96E-04	1.29E-08	1.33E-05	6.67E-06	4.16E-04
5345	486363.09	3866377.25	8.64E-04	1.56E-08	1.08E-05	6.45E-06	8.81E-04	4.07E-04	6.42E-03	8.12E-04	2.37E-04	7.87E-03	3.87E-04	1.28E-08	1.08E-05	6.45E-06	4.05E-04
5346	486863.09	3866377.25	9.13E-04	1.77E-08	1.65E-05	5.84E-06	9.35E-04	4.30E-04	7.27E-03	1.24E-03	2.14E-04	9.16E-03	4.09E-04	1.45E-08	1.65E-05	5.84E-06	4.32E-04
5347	487363.09	3866377.25	9.49E-04	1.66E-08	1.83E-05	8.29E-06	9.75E-04	4.48E-04	6.83E-03	1.37E-03	3.04E-04	8.95E-03	4.26E-04	1.36E-08	1.83E-05	8.29E-06	4.52E-04
5348	487863.09	3866377.25	1.02E-03	1.75E-08	4.05E-05	8.48E-06	1.07E-03	4.81E-04	7.22E-03	3.04E-03	3.11E-04	1.11E-02	4.57E-04	1.44E-08	4.05E-05	8.48E-06	5.06E-04
5349	488363.09	3866377.25	1.09E-03	1.79E-08	3.32E-05	9.73E-06	1.13E-03	5.13E-04	7.37E-03	2.49E-03	3.57E-04	1.07E-02	4.88E-04	1.47E-08	3.32E-05	9.73E-06	5.31E-04
5350	488863.09	3866377.25	1.08E-03	1.82E-08	1.85E-05	7.23E-06	1.10E-03	5.09E-04	7.49E-03	1.39E-03	2.65E-04	9.65E-03	4.84E-04	1.49E-08	1.85E-05	7.23E-06	5.10E-04
5351	489363.09	3866377.25	1.03E-03	2.10E-08	1.58E-05	5.39E-06	1.05E-03	4.87E-04	8.66E-03	1.18E-03	1.97E-04	1.05E-02	4.63E-04	1.72E-08	1.58E-05	5.39E-06	4.84E-04
5352	489863.09	3866377.25	1.08E-03	1.85E-08	9.92E-06	6.76E-06	1.10E-03	5.10E-04	7.64E-03	7.44E-04	2.48E-04	9.14E-03	4.85E-04	1.52E-08	9.92E-06	6.76E-06	5.01E-04
5353	490363.09	3866377.25	1.18E-03	2.08E-08	7.03E-06	7.83E-06	1.19E-03	5.56E-04	8.58E-03	5.28E-04	2.87E-04	9.95E-03	5.29E-04	1.71E-08	7.03E-06	7.83E-06	5.44E-04
5354	490863.09	3866377.25	1.09E-03	2.11E-08	8.34E-06	8.29E-06	1.11E-03	5.15E-04	8.71E-03	6.26E-04	3.04E-04	1.02E-02	4.90E-04	1.73E-08	8.34E-06	8.29E-06	5.06E-04
5355	491363.09	3866377.25	1.15E-03	2.14E-08	6.56E-06	1.05E-05	1.16E-03	5.40E-04	8.80E-03	4.92E-04	3.86E-04	1.02E-02	5.14E-04	1.75E-08	6.56E-06	1.05E-05	5.31E-04
5356	491863.09	3866377.25	1.66E-03	1.72E-08	5.40E-06	1.30E-05	1.68E-03	7.83E-04	7.10E-03	4.05E-04	4.77E-04	8.76E-03	7.44E-04	1.41E-08	5.40E-06	1.30E-05	7.63E-04
5357	492363.09	3866377.25	1.64E-03	1.80E-08	9.68E-06	1.55E-05	1.67E-03	7.76E-04	7.43E-03	7.26E-04	5.67E-04	9.50E-03	7.38E-04	1.48E-08	9.68E-06	1.55E-05	7.63E-04
5358	492863.09	3866377.25	1.41E-03	1.41E-08	2.03E-05	1.55E-05	1.44E-03	6.63E-04	5.80E-03	1.52E-03	5.67E-04	8.55E-03	6.30E-04	1.16E-08	2.03E-05	1.55E-05	6.66E-04
5359	493363.09	3866377.25	1.63E-03	1.42E-08	3.12E-05	1.41E-05	1.67E-03	7.67E-04	5.86E-03	2.34E-03	5.16E-04	9.48E-03	7.29E-04	1.17E-08	3.12E-05	1.41E-05	7.74E-04
5360	493863.09	3866377.25	1.59E-03	1.81E-08	3.97E-05	1.32E-05	1.64E-03	7.50E-04	7.47E-03	2.98E-03	4.83E-04	1.17E-02	7.13E-04	1.49E-08	3.97E-05	1.32E-05	7.66E-04
5361	494363.09	3866377.25	1.43E-03	2.31E-08	4.03E-05	1.66E-05	1.49E-03	6.75E-04	9.53E-03	3.02E-03	6.08E-04	1.38E-02	6.42E-04	1.90E-08	4.03E-05	1.66E-05	6.99E-04
5362	494863.09	3866377.25	1.39E-03	2.58E-08	3.93E-05	1.37E-05	1.45E-03	6.57E-04	1.06E-02	2.95E-03	5.01E-04	1.47E-02	6.24E-04	2.12E-08	3.93E-05	1.37E-05	6.77E-04
5363	495363.09	3866377.25	1.34E-03	2.17E-08	3.26E-05	1.57E-05	1.39E-03	6.32E-04	8.92E-03	2.44E-03	5.77E-04	1.26E-02	6.01E-04	1.78E-08	3.26E-05	1.57E-05	6.50E-04
5364	495863.09	3866377.25	1.38E-03	2.06E-08	3.02E-05	1.65E-05	1.43E-03	6.52E-04	8.48E-03	2.27E-03	6.06E-04	1.20E-02	6.20E-04	1.69E-08	3.02E-05	1.65E-05	6.67E-04

5365	496363.09	3866377.25	1.57E-03	1.84E-08	2.37E-05	1.31E-05	1.61E-03	7.42E-04	7.58E-03	1.78E-03	4.79E-04	1.06E-02	7.06E-04	1.51E-08	2.37E-05	1.31E-05	7.42E-04
5366	496863.09	3866377.25	1.67E-03	1.62E-08	3.24E-05	1.16E-05	1.72E-03	7.88E-04	6.67E-03	2.43E-03	4.25E-04	1.03E-02	7.50E-04	1.33E-08	3.24E-05	1.16E-05	7.94E-04
5367	497363.09	3866377.25	1.30E-03	1.67E-08	4.09E-05	9.34E-06	1.35E-03	6.15E-04	6.88E-03	3.07E-03	3.42E-04	1.09E-02	5.85E-04	1.37E-08	4.09E-05	9.34E-06	6.35E-04
5368	497863.09	3866377.25	1.13E-03	1.73E-08	3.97E-05	1.03E-05	1.18E-03	5.32E-04	7.11E-03	2.97E-03	3.78E-04	1.10E-02	5.06E-04	1.42E-08	3.97E-05	1.03E-05	5.56E-04
5369	498363.09	3866377.25	1.32E-03	1.26E-08	2.99E-05	1.23E-05	1.36E-03	6.21E-04	5.21E-03	2.24E-03	4.50E-04	8.52E-03	5.90E-04	1.04E-08	2.99E-05	1.23E-05	6.32E-04
5370	474494.92	3848334.16	1.44E-03	1.20E-08	5.25E-06	6.47E-06	1.45E-03	6.77E-04	4.93E-03	3.94E-04	2.37E-04	6.24E-03	6.44E-04	9.82E-09	5.25E-06	6.47E-06	6.56E-04
5371	475167.27	3848920.79	1.58E-03	1.28E-08	6.30E-06	6.69E-06	1.59E-03	7.46E-04	5.26E-03	4.72E-04	2.45E-04	6.72E-03	7.09E-04	1.05E-08	6.30E-06	6.69E-06	7.22E-04
5372	475297.89	3848997.96	1.60E-03	1.32E-08	6.31E-06	6.82E-06	1.61E-03	7.52E-04	5.44E-03	4.73E-04	2.50E-04	6.91E-03	7.15E-04	1.08E-08	6.31E-06	6.82E-06	7.29E-04
5373	475439.05	3849062	1.59E-03	1.30E-08	6.19E-06	6.98E-06	1.61E-03	7.51E-04	5.38E-03	4.64E-04	2.56E-04	6.85E-03	7.15E-04	1.07E-08	6.19E-06	6.98E-06	7.28E-04
5374	475486.86	3849061.09	1.60E-03	1.29E-08	6.02E-06	7.07E-06	1.61E-03	7.53E-04	5.32E-03	4.51E-04	2.59E-04	6.78E-03	7.16E-04	1.06E-08	6.02E-06	7.07E-06	7.29E-04
5375	475538.46	3849075.56	1.65E-03	1.37E-08	5.93E-06	7.15E-06	1.66E-03	7.78E-04	5.64E-03	4.45E-04	2.62E-04	7.12E-03	7.40E-04	1.12E-08	5.93E-06	7.15E-06	7.53E-04
5376	475751.79	3849137.15	1.57E-03	1.54E-08	5.99E-06	6.64E-06	1.59E-03	7.42E-04	6.36E-03	4.49E-04	2.44E-04	7.80E-03	7.06E-04	1.27E-08	5.99E-06	6.64E-06	7.18E-04
5377	476303.62	3849223.38	1.62E-03	1.74E-08	7.39E-06	7.05E-06	1.63E-03	7.63E-04	7.15E-03	5.55E-04	2.58E-04	8.73E-03	7.26E-04	1.43E-08	7.39E-06	7.05E-06	7.40E-04
5378	476304.51	3849238.92	1.66E-03	1.73E-08	7.35E-06	7.04E-06	1.68E-03	7.85E-04	7.13E-03	5.51E-04	2.58E-04	8.72E-03	7.46E-04	1.42E-08	7.35E-06	7.04E-06	7.61E-04
5379	476365.04	3849247.98	1.61E-03	1.79E-08	7.50E-06	7.08E-06	1.62E-03	7.58E-04	7.39E-03	5.63E-04	2.60E-04	8.98E-03	7.21E-04	1.47E-08	7.50E-06	7.08E-06	7.35E-04
5380	476444.86	3849267.13	1.53E-03	1.75E-08	7.68E-06	7.12E-06	1.55E-03	7.22E-04	7.23E-03	5.76E-04	2.61E-04	8.79E-03	6.87E-04	1.44E-08	7.68E-06	7.12E-06	7.02E-04
5381	476550.75	3849300.66	1.48E-03	1.89E-08	7.89E-06	7.14E-06	1.50E-03	6.99E-04	7.80E-03	5.92E-04	2.62E-04	9.36E-03	6.65E-04	1.55E-08	7.89E-06	7.14E-06	6.80E-04
5382	476656.71	3849346.88	1.55E-03	1.88E-08	8.12E-06	7.14E-06	1.57E-03	7.32E-04	7.74E-03	6.09E-04	2.62E-04	9.34E-03	6.96E-04	1.54E-08	8.12E-06	7.14E-06	7.11E-04
5383	476873.55	3849454.53	1.51E-03	2.05E-08	8.65E-06	7.12E-06	1.52E-03	7.11E-04	8.44E-03	6.49E-04	2.61E-04	1.01E-02	6.76E-04	1.68E-08	8.65E-06	7.12E-06	6.92E-04
5384	477700	3849859.7	1.82E-03	2.47E-08	9.91E-06	6.47E-06	1.83E-03	8.56E-04	1.02E-02	7.43E-04	2.37E-04	1.20E-02	8.14E-04	2.03E-08	9.91E-06	6.47E-06	8.31E-04
5385	477743.16	3849856.38	1.80E-03	2.47E-08	1.01E-05	6.32E-06	1.82E-03	8.50E-04	1.02E-02	7.56E-04	2.32E-04	1.20E-02	8.08E-04	2.03E-08	1.01E-05	6.32E-06	8.24E-04
5386	478477.35	3850216.33	2.10E-03	2.14E-08	1.16E-05	7.41E-06	2.11E-03	9.88E-04	8.83E-03	8.73E-04	2.72E-04	1.10E-02	9.40E-04	1.76E-08	1.16E-05	7.41E-06	9.59E-04
5387	478485.8	3850201.6	2.06E-03	2.09E-08	1.17E-05	7.40E-06	2.08E-03	9.72E-04	8.63E-03	8.79E-04	2.71E-04	1.07E-02	9.24E-04	1.72E-08	1.17E-05	7.40E-06	9.43E-04
5388	479113.21	3850501.53	2.03E-03	2.25E-08	1.32E-05	8.51E-06	2.05E-03	9.57E-04	9.26E-03	9.88E-04	3.12E-04	1.15E-02	9.10E-04	1.84E-08	1.32E-05	8.51E-06	9.32E-04
5389	479108.11	3850382.28	2.05E-03	2.20E-08	1.35E-05	8.12E-06	2.07E-03	9.68E-04	9.05E-03	1.01E-03	2.98E-04	1.13E-02	9.20E-04	1.80E-08	1.35E-05	8.12E-06	9.42E-04
5390	479689.85	3850674.28	2.70E-03	2.17E-08	1.29E-05	8.28E-06	2.72E-03	1.27E-03	8.96E-03	9.68E-04	3.03E-04	1.15E-02	1.21E-03	1.78E-08	1.29E-05	8.28E-06	1.23E-03
5391	479952.42	3850774.28	3.19E-03	2.08E-08	1.20E-05	9.14E-06	3.21E-03	1.50E-03	8.55E-03	8.97E-04	3.35E-04	1.13E-02	1.43E-03	1.70E-08	1.20E-05	9.14E-06	1.45E-03
5392	479911.32	3850884.85	2.75E-03	2.33E-08	1.33E-05	8.77E-06	2.78E-03	1.30E-03	9.61E-03	1.00E-03	3.22E-04	1.22E-02	1.24E-03	1.91E-08	1.33E-05	8.77E-06	1.26E-03
5393	480500.92	3851178.12	3.31E-03	2.21E-08	1.17E-05	8.52E-06	3.33E-03	1.56E-03	9.11E-03	8.80E-04	3.12E-04	1.19E-02	1.49E-03	1.81E-08	1.17E-05	8.52E-06	1.51E-03
5394	480738.01	3851289.27	3.61E-03	2.54E-08	1.02E-05	9.12E-06	3.63E-03	1.70E-03	1.05E-02	7.65E-04	3.34E-04	1.33E-02	1.62E-03	2.08E-08	1.02E-05	9.12E-06	1.64E-03
5395	481055.42	3851443.58	4.07E-03	2.51E-08	9.56E-06	9.55E-06	4.09E-03	1.92E-03	1.03E-02	7.17E-04	3.50E-04	1.33E-02	1.82E-03	2.06E-08	9.56E-06	9.55E-06	1.84E-03
5396	481110.22	3851443.15	4.03E-03	2.48E-08	1.01E-05	9.41E-06	4.05E-03	1.90E-03	1.02E-02	7.56E-04	3.45E-04	1.32E-02	1.81E-03	2.03E-08	1.01E-05	9.41E-06	1.83E-03
5397	481111.1	3851417.45	4.03E-03	2.37E-08	1.05E-05	9.49E-06	4.05E-03	1.90E-03	9.76E-03	7.84E-04	3.48E-04	1.28E-02	1.81E-03	1.94E-08	1.05E-05	9.49E-06	1.83E-03
5398	482248.44	3852605.09	5.75E-03	2.77E-08	1.22E-05	1.11E-05	5.77E-03	2.71E-03	1.14E-02	9.14E-04	4.06E-04	1.54E-02	2.58E-03	2.27E-08	1.22E-05	1.11E-05	2.60E-03
5399	482273.34	3852632.31	5.81E-03	2.80E-08	1.23E-05	1.11E-05	5.83E-03	2.74E-03	1.15E-02	9.22E-04	4.06E-04	1.56E-02	2.60E-03	2.30E-08	1.23E-05	1.11E-05	2.63E-03
5400	482665.46	3853038.72	6.83E-03	3.07E-08	1.38E-05	1.26E-05	6.86E-03	3.22E-03	1.26E-02	1.04E-03	4.62E-04	1.74E-02	3.07E-03	2.52E-08	1.38E-05	1.26E-05	3.09E-03
5401	483077.95	3853844.31	7.43E-03	3.49E-08	2.12E-05	1.49E-05	7.47E-03	3.51E-03	1.44E-02	1.59E-03	5.47E-04	2.00E-02	3.33E-03	2.87E-08	2.12E-05	1.49E-05	3.37E-03
5402	483121.38	3853909.38	8.62E-03	3.40E-08	2.15E-05	1.49E-05	8.65E-03	4.06E-03	1.40E-02	1.61E-03	5.47E-04	2.02E-02	3.86E-03	2.79E-08	2.15E-05	1.49E-05	3.90E-03
5403	483492.64	3853911.49	1.11E-02	2.79E-08	1.81E-05	1.60E-05	1.11E-02	5.22E-03	1.15E-02	1.36E-03	5.88E-04	1.87E-02	4.96E-03	2.29E-08	1.81E-05	1.60E-05	4.99E-03
5404	483498.29	3854204.73	1.09E-02	2.97E-08	2.24E-05	1.84E-05	1.10E-02	5.16E-03	1.22E-02	1.68E-03	6.74E-04	1.98E-02	4.91E-03	2.44E-08	2.24E-05	1.84E-05	4.95E-03
5405	484132.44	3854662.55	1.35E-02	1.95E-08	2.35E-05	3.25E-05	1.36E-02	6.37E-03	8.02E-03	1.76E-03	1.19E-03	1.73E-02	6.06E-03	1.60E-08	2.35E-05	3.25E-05	6.11E-03
5406	484627.62	3854876.13	1.73E-02	1.99E-08	2.05E-05	2.97E-05	1.73E-02	8.15E-03	8.19E-03	1.53E-03	1.09E-03	1.90E-02	7.75E-03	1.63E-08	2.05E-05	2.97E-05	7.80E-03
5407	484756.14	3854949.04	1.85E-02	2.13E-08	2.15E-05	2.76E-05	1.85E-02	8.72E-03	8.78E-03	1.61E-03	1.01E-03	2.01E-02	8.30E-03	1.75E-08	2.15E-05	2.76E-05	8.34E-03
5408	486697.51	3856599.17	6.95E-02	5.25E-08	5.10E-05	5.62E-05	6.96E-02	3.28E-02	2.16E-02	3.82E-03	2.06E-03	6.03E-02	3.12E-02	4.31E-08	5.10E-05	5.62E-05	3.13E-02
5409	487105.31	3856962.27	7.48E-02	7.40E-08	6.20E-05	3.92E-05	7.49E-02	3.53E-02	3.05E-02	4.65E-03	1.44E-03	7.19E-02	3.36E-02	6.08E-08	6.20E-05	3.92E-05	3.37E-02
5410	487157.57	3856901.7	6.11E-02	6.96E-08	6.60E-05	4.05E-05	6.12E-02	2.88E-02	2.87E-02	4.95E-03	1.48E-03	6.39E-02	2.74E-02	5.71E-08	6.60E-05	4.05E-05	2.75E-02
5411	487173.5	3856853.74	5.52E-02	6.74E-08	6.96E-05	4.11E-05	5.53E-02	2.60E-02	2.77E-02	5.22E-03	1.51E-03	6.05E-02	2.47E-02	5.53E-08	6.96E-05	4.11E-05	2.48E-02
5412	487564.41	3856860.83	3.42E-02	6.34E-08	7.98E-05	3.62E-05	3.43E-02	1.61E-02	2.61E-02	5.98E-03	1.33E-03	4.95E-02	1.53E-02	5.20E-08	7.98E-05	3.62E-05	1.54E-02
5413	487563.31	3856931.58	3.47E-02	6.69E-08	8.08E-05	3.47E-05	3.48E-02	1.64E-02	2.76E-02	6.06E-03	1.27E-03	5.13E-02	1.56E-02	5.49E-08	8.08E-05	3.47E-05	1.57E-02
5414	487782.7	3856926.85	2.77E-02	6.61E-08	1.20E-04	3.15E-05	2.78E-02	1.30E-02	2.72E-02	8.97E-03	1.16E-03	5.04E-02	1.24E-02	5.43E-08	1.20E-04	3.15E-05	1.26E-02
5415	487782.39	3856757.07	2.79E-02	5.83E-08	1.11E-04	2.80E-05	2.80E-02	1.32E-02	2.40E-02	8.33E-03	1.03E-03	4.65E-02	1.25E-02	4.79E-08	1.11E-04	2.80E-05	1.26E-02
5416	487917.26	3856752.41	2.51E-02	5.99E-08	9.89E-05	2.79E-05	2.53E-02	1.19E-02	2.47E-02	7.42E-03	1.02E-03	4.50E-02	1.13E-02	4.92E-08	9.89E-05	2.79E-05	1.14E-02
5417	487919.57	3856953.35	2.51E-02	6.91E-08	1.04E-04	2.80E-05	2.52E-02	1.18E-02	2.85E-02	7.79E-03	1.03E-03	4.91E-02	1.12E-02	5.67E-08	1.04E-04	2.80E-05	1.14E-02
5418	487932.76	3857000.32	2.51E-02	7.15E-08	1.11E-04	2.67E-05	2.53E-02	1.19E-02	2.95E-02	8.36E-03	9.81E-04	5.07E-02	1.13E-02	5.87E-08	1.11E-04	2.67E-05	1.14E-02
5419	487960.5	3857044.75	2.34E-02	7.38E-08	1.17E-04	2.66E-05	2.36E-02	1.10E-02	3.04E-02	8.79E-03	9.77E-04	5.12E-02	1.05E-02	6.05E-08	1.17E-04	2.66E-05	1.06E-02
5420	488016.54	3857089.54	2.20E-02	7.57E-08	1.24E-04	2.62E-05	2.22E-02	1.04E-02	3.12E-02	9.29E-03	9.59E-04	5.18E-02	9.87E-03	6.21E-08	1.24E-04	2.62E-05	1.00E-02
5421	488114.39	3857165.47	1.89E-02	7.62E-08	1.18E-04	2.48E-05	1.90E-02	8.89E-03	3.14E-02	8.88E-03	9.08E-04	5.01E-02	8.46E-03	6.25E-08	1.18E-04	2.48E-05	8.60E-03
5422	488171.49	3857234.24	1.67E-02	7.68E-08	1.40E-04	2.46E-05	1.69E-02	7.90E-03	3.17E-02	1.05E-02	9.03E-04	5.09E-02	7.51E-03	6.31E-08	1.40E-04	2.46E-05	7.67E-03
5423	488193.16	3857297.8	1.56E-02	8.18E-08	1.62E-04	2.39E-05	1.58E-02	7.38E-03	3.37E-02	1.21E-02	8.77E-04	5.41E-02	7.02E-03	6.71E-08	1.62E-04	2.39E-05	7.20E-03
5424	488189.27	3857649.94	1.29E-02	1.01E-07	2.75E-04	2.35E-05	1.32E-02	6.09E-03	4.14E-02	2.06E-02	8.62E-04	6.90E-02	5.79E-03	8.25E-08	2.75E-04	2.35E-05	6.09E-03
5425	488127.43	3857732.32	1.28E-02	1.05E-07	3.83E-04	2.35E-05	1.32E-02	6.04E-03	4.31E-02	2.87E-02	8.62E-04	7.88E-02	5.74E-03	8.59E-08	3.83E-04	2.35E-05	6.15E-03

5426	488149.93	3857752.94	1.24E-02	1.04E-07	3.79E-04	2.21E-05	1.28E-02	5.86E-03	4.29E-02	2.84E-02	8.12E-04	7.80E-02	5.57E-03	8.54E-08	3.79E-04	2.21E-05	5.97E-03
5427	488144.76	3857758.71	1.25E-02	1.04E-07	3.86E-04	2.20E-05	1.29E-02	5.90E-03	4.27E-02	2.89E-02	8.05E-04	7.83E-02	5.61E-03	8.51E-08	3.86E-04	2.20E-05	6.02E-03
5428	488335.58	3857932.55	1.04E-02	1.05E-07	1.17E-03	2.51E-05	1.16E-02	4.92E-03	4.31E-02	8.78E-02	9.20E-04	1.37E-01	4.68E-03	8.58E-08	1.17E-03	2.51E-05	5.87E-03
5429	488372.29	3857943.79	1.01E-02	1.05E-07	1.11E-03	2.88E-05	1.13E-02	4.78E-03	4.32E-02	8.30E-02	1.06E-03	1.32E-01	4.55E-03	8.61E-08	1.11E-03	2.88E-05	5.69E-03
5430	488828.64	3857936.4	9.70E-03	1.04E-07	4.45E-04	2.66E-05	1.02E-02	4.58E-03	4.27E-02	3.34E-02	9.77E-04	8.16E-02	4.35E-03	8.50E-08	4.45E-04	2.66E-05	4.82E-03
5431	488829.08	3857959.58	9.27E-03	1.05E-07	4.73E-04	2.69E-05	9.77E-03	4.37E-03	4.35E-02	3.55E-02	9.85E-04	8.43E-02	4.16E-03	8.66E-08	4.73E-04	2.69E-05	4.66E-03
5432	488351.61	3857964.55	1.04E-02	1.06E-07	1.22E-03	2.98E-05	1.17E-02	4.92E-03	4.38E-02	9.15E-02	1.09E-03	1.41E-01	4.68E-03	8.73E-08	1.22E-03	2.98E-05	5.93E-03
5433	488316.87	3857947.65	1.08E-02	1.06E-07	1.24E-03	2.56E-05	1.21E-02	5.11E-03	4.35E-02	9.28E-02	9.40E-04	1.42E-01	4.86E-03	8.67E-08	1.24E-03	2.56E-05	6.13E-03
5434	488129.1	3857775.77	1.27E-02	1.03E-07	3.89E-04	2.20E-05	1.31E-02	5.99E-03	4.24E-02	2.92E-02	8.05E-04	7.84E-02	5.70E-03	8.45E-08	3.89E-04	2.20E-05	6.11E-03
5435	488062.53	3857846.13	1.37E-02	1.04E-07	7.30E-04	2.43E-05	1.44E-02	6.45E-03	4.28E-02	5.47E-02	8.90E-04	1.05E-01	6.13E-03	8.52E-08	7.30E-04	2.43E-05	6.89E-03
5436	488330.41	3858091.34	1.02E-02	1.18E-07	1.64E-03	2.92E-05	1.18E-02	4.79E-03	4.87E-02	1.23E-01	1.07E-03	1.78E-01	4.55E-03	9.70E-08	1.64E-03	2.92E-05	6.22E-03
5437	488470.87	3858174.45	9.44E-03	1.28E-07	1.21E-03	3.33E-05	1.07E-02	4.45E-03	5.28E-02	9.07E-02	1.22E-03	1.49E-01	4.23E-03	1.05E-07	1.21E-03	3.33E-05	5.47E-03
5438	488568.9	3858262.31	8.36E-03	1.42E-07	7.25E-04	3.14E-05	9.12E-03	3.94E-03	5.86E-02	5.44E-02	1.15E-03	1.18E-01	3.75E-03	1.17E-07	7.25E-04	3.14E-05	4.51E-03
5439	488964.27	3858025.71	8.83E-03	1.05E-07	3.80E-04	2.90E-05	9.24E-03	4.17E-03	4.33E-02	2.85E-02	1.06E-03	7.70E-02	3.96E-03	8.62E-08	3.80E-04	2.90E-05	4.37E-03
5440	489147.25	3857956.64	1.02E-02	9.65E-08	3.38E-04	2.69E-05	1.06E-02	4.81E-03	3.98E-02	2.53E-02	9.86E-04	7.09E-02	4.57E-03	7.92E-08	3.38E-04	2.69E-05	4.94E-03
5441	489343.52	3857932.45	1.00E-02	9.10E-08	2.79E-04	2.48E-05	1.03E-02	4.73E-03	3.75E-02	2.09E-02	9.09E-04	6.40E-02	4.50E-03	7.46E-08	2.79E-04	2.48E-05	4.80E-03
5442	489866.19	3857923.19	7.28E-03	7.94E-08	2.20E-04	1.93E-05	7.51E-03	3.43E-03	3.27E-02	1.65E-02	7.07E-04	5.33E-02	3.26E-03	6.52E-08	2.20E-04	1.93E-05	3.50E-03
5443	489955.65	3857902.27	6.85E-03	7.57E-08	2.11E-04	1.96E-05	7.08E-03	3.23E-03	3.12E-02	1.58E-02	7.18E-04	5.10E-02	3.07E-03	6.22E-08	2.11E-04	1.96E-05	3.30E-03
5444	490079.44	3857847.9	6.58E-03	7.25E-08	1.93E-04	1.96E-05	6.79E-03	3.10E-03	2.99E-02	1.45E-02	7.20E-04	4.82E-02	2.95E-03	5.95E-08	1.93E-04	1.96E-05	3.16E-03
5445	490108.49	3857934.13	6.61E-03	7.32E-08	1.92E-04	2.08E-05	6.82E-03	3.12E-03	3.01E-02	1.44E-02	7.63E-04	4.84E-02	2.96E-03	6.00E-08	1.92E-04	2.08E-05	3.18E-03
5446	489884.48	3858014.17	7.74E-03	8.03E-08	2.08E-04	2.05E-05	7.97E-03	3.65E-03	3.31E-02	1.56E-02	7.51E-04	5.31E-02	3.47E-03	6.59E-08	2.08E-04	2.05E-05	3.70E-03
5447	489326.56	3858025.86	9.77E-03	9.48E-08	2.66E-04	2.19E-05	1.01E-02	4.61E-03	3.91E-02	2.00E-02	8.02E-04	6.45E-02	4.38E-03	7.78E-08	2.66E-04	2.19E-05	4.67E-03
5448	489130.38	3858056.71	9.20E-03	1.01E-07	3.25E-04	2.52E-05	9.55E-03	4.34E-03	4.14E-02	2.44E-02	9.25E-04	7.11E-02	4.13E-03	8.26E-08	3.25E-04	2.52E-05	4.48E-03
5449	488936.49	3858143.93	8.13E-03	1.16E-07	3.79E-04	2.67E-05	8.54E-03	3.84E-03	4.79E-02	2.84E-02	9.79E-04	8.12E-02	3.65E-03	9.55E-08	3.79E-04	2.67E-05	4.05E-03
5450	488638.08	3858327.45	8.02E-03	1.46E-07	5.46E-04	2.82E-05	8.60E-03	3.78E-03	6.02E-02	4.09E-02	1.03E-03	1.06E-01	3.60E-03	1.20E-07	5.46E-04	2.82E-05	4.17E-03
5451	488663.79	3858349.57	7.93E-03	1.48E-07	5.05E-04	2.76E-05	8.46E-03	3.74E-03	6.09E-02	3.78E-02	1.01E-03	1.04E-01	3.55E-03	1.21E-07	5.05E-04	2.76E-05	4.09E-03
5452	488694.56	3858349.5	7.88E-03	1.46E-07	4.61E-04	2.79E-05	8.37E-03	3.72E-03	6.02E-02	3.46E-02	1.02E-03	9.95E-02	3.53E-03	1.20E-07	4.61E-04	2.79E-05	4.02E-03
5453	488694.35	3858336.75	8.00E-03	1.45E-07	4.53E-04	2.83E-05	8.48E-03	3.77E-03	5.95E-02	3.39E-02	1.04E-03	9.83E-02	3.59E-03	1.19E-07	4.53E-04	2.83E-05	4.07E-03
5454	488712.81	3858336.38	7.98E-03	1.43E-07	4.58E-04	2.80E-05	8.47E-03	3.76E-03	5.90E-02	3.43E-02	1.03E-03	9.81E-02	3.58E-03	1.17E-07	4.58E-04	2.80E-05	4.07E-03
5455	488713.23	3858367.46	7.65E-03	1.46E-07	4.39E-04	2.69E-05	8.12E-03	3.61E-03	6.02E-02	3.29E-02	9.86E-04	9.77E-02	3.43E-03	1.20E-07	4.39E-04	2.69E-05	3.90E-03
5456	488704.63	3858384.05	7.76E-03	1.49E-07	4.08E-04	2.72E-05	8.20E-03	3.66E-03	6.13E-02	3.06E-02	9.96E-04	9.66E-02	3.48E-03	1.22E-07	4.08E-04	2.72E-05	3.92E-03
5457	488604.15	3858488.29	8.95E-03	1.71E-07	2.55E-04	3.30E-05	9.23E-03	4.22E-03	7.04E-02	1.91E-02	1.21E-03	9.49E-02	4.01E-03	1.40E-07	2.55E-04	3.30E-05	4.30E-03
5458	488605.66	3858550.47	8.31E-03	1.82E-07	1.82E-04	3.39E-05	8.52E-03	3.92E-03	7.48E-02	1.36E-02	1.24E-03	9.36E-02	3.73E-03	1.49E-07	1.82E-04	3.39E-05	3.94E-03
5459	488692.68	3858548.71	8.50E-03	1.75E-07	2.14E-04	3.33E-05	8.75E-03	4.01E-03	7.21E-02	1.61E-02	1.22E-03	9.35E-02	3.81E-03	1.44E-07	2.14E-04	3.33E-05	4.06E-03
5460	488759.93	3858461.81	7.79E-03	1.57E-07	2.90E-04	3.22E-05	8.12E-03	3.68E-03	6.47E-02	2.18E-02	1.18E-03	9.13E-02	3.50E-03	1.29E-07	2.90E-04	3.22E-05	3.82E-03
5461	488816.57	3858541.79	7.54E-03	1.69E-07	2.45E-04	3.53E-05	7.82E-03	3.56E-03	6.95E-02	1.84E-02	1.29E-03	9.28E-02	3.38E-03	1.39E-07	2.45E-04	3.53E-05	3.66E-03
5462	488944.63	3858656.77	7.02E-03	1.95E-07	1.81E-04	3.13E-05	7.23E-03	3.31E-03	8.03E-02	1.36E-02	1.15E-03	9.84E-02	3.15E-03	1.60E-07	1.81E-04	3.13E-05	3.36E-03
5463	489134.91	3858830.7	6.45E-03	2.17E-07	1.21E-04	3.36E-05	6.61E-03	3.04E-03	8.95E-02	9.10E-03	1.23E-03	1.03E-01	2.89E-03	1.78E-07	1.21E-04	3.36E-05	3.05E-03
5464	489193.99	3858886.05	6.34E-03	2.24E-07	1.22E-04	3.31E-05	6.49E-03	2.99E-03	9.22E-02	9.15E-03	1.21E-03	1.06E-01	2.84E-03	1.84E-07	1.22E-04	3.31E-05	3.00E-03
5465	489295.2	3858954.34	5.95E-03	2.29E-07	1.21E-04	3.05E-05	6.10E-03	2.81E-03	9.43E-02	9.11E-03	1.12E-03	1.07E-01	2.67E-03	1.88E-07	1.21E-04	3.05E-05	2.82E-03
5466	489295.64	3858992.74	6.38E-03	2.38E-07	1.08E-04	2.90E-05	6.52E-03	3.01E-03	9.79E-02	8.11E-03	1.06E-03	1.10E-01	2.86E-03	1.95E-07	1.08E-04	2.90E-05	3.00E-03
5467	489183.74	3858911.72	6.75E-03	2.38E-07	1.15E-04	3.27E-05	6.90E-03	3.18E-03	9.81E-02	8.64E-03	1.20E-03	1.11E-01	3.03E-03	1.95E-07	1.15E-04	3.27E-05	3.17E-03
5468	488873.37	3858625.59	7.33E-03	1.92E-07	1.78E-04	3.01E-05	7.54E-03	3.46E-03	7.90E-02	1.34E-02	1.10E-03	9.70E-02	3.29E-03	1.57E-07	1.78E-04	3.01E-05	3.50E-03
5469	488842.84	3858658.69	7.90E-03	2.05E-07	1.57E-04	3.27E-05	8.09E-03	3.72E-03	8.45E-02	1.18E-02	1.20E-03	1.01E-01	3.54E-03	1.68E-07	1.57E-04	3.27E-05	3.73E-03
5470	488856.39	3858670.93	7.88E-03	2.07E-07	1.52E-04	3.38E-05	8.06E-03	3.71E-03	8.53E-02	1.14E-02	1.24E-03	1.02E-01	3.53E-03	1.70E-07	1.52E-04	3.38E-05	3.72E-03
5471	488805.7	3858724.5	7.40E-03	2.30E-07	1.28E-04	3.47E-05	7.56E-03	3.49E-03	9.50E-02	9.57E-03	1.27E-03	1.09E-01	3.32E-03	1.89E-07	1.28E-04	3.47E-05	3.48E-03
5472	488805.87	3858804.16	7.57E-03	2.75E-07	1.20E-04	3.35E-05	7.72E-03	3.57E-03	1.13E-01	9.03E-03	1.23E-03	1.27E-01	3.39E-03	2.26E-07	1.20E-04	3.35E-05	3.55E-03
5473	488995.78	3858936.96	6.80E-03	2.99E-07	9.37E-05	3.27E-05	6.93E-03	3.21E-03	1.23E-01	7.03E-03	1.20E-03	1.35E-01	3.05E-03	2.46E-07	9.37E-05	3.27E-05	3.18E-03
5474	489130.76	3859017.38	6.24E-03	2.82E-07	9.68E-05	3.26E-05	6.37E-03	2.94E-03	1.16E-01	7.26E-03	1.19E-03	1.28E-01	2.80E-03	2.32E-07	9.68E-05	3.26E-05	2.93E-03
5475	489130.92	3859052.24	6.39E-03	2.88E-07	9.02E-05	3.25E-05	6.51E-03	3.01E-03	1.18E-01	6.77E-03	1.19E-03	1.29E-01	2.86E-03	2.36E-07	9.02E-05	3.25E-05	2.99E-03
5476	489200.33	3859090.6	6.06E-03	2.83E-07	9.42E-05	2.97E-05	6.19E-03	2.86E-03	1.17E-01	7.06E-03	1.09E-03	1.28E-01	2.72E-03	2.32E-07	9.42E-05	2.97E-05	2.84E-03
5477	489296.07	3859143.7	5.74E-03	2.73E-07	8.35E-05	3.22E-05	5.86E-03	2.71E-03	1.12E-01	6.26E-03	1.18E-03	1.22E-01	2.58E-03	2.24E-07	8.35E-05	3.22E-05	2.69E-03
5478	489296.43	3858954.74	5.94E-03	2.29E-07	1.21E-04	3.05E-05	6.09E-03	2.80E-03	9.43E-02	9.11E-03	1.12E-03	1.07E-01	2.66E-03	1.88E-07	1.21E-04	3.05E-05	2.82E-03
5479	489410.33	3859033.19	5.61E-03	2.27E-07	1.09E-04	2.72E-05	5.75E-03	2.65E-03	9.33E-02	8.18E-03	9.96E-04	1.05E-01	2.52E-03	1.86E-07	1.09E-04	2.72E-05	2.65E-03
5480	489371.37	3859089.8	6.25E-03	2.41E-07	1.02E-04	3.06E-05	6.39E-03	2.95E-03	9.92E-02	7.64E-03	1.12E-03	1.11E-01	2.80E-03	1.98E-07	1.02E-04	3.06E-05	2.94E-03
5481	489390.52	3859102.82	6.20E-03	2.40E-07	1.01E-04	3.13E-05	6.33E-03	2.92E-03	9.87E-02	7.60E-03	1.15E-03	1.10E-01	2.78E-03	1.97E-07	1.01E-04	3.13E-05	2.91E-03
5482	489382.3	3859114.53	6.24E-03	2.44E-07	9.83E-05	3.22E-05	6.37E-03	2.94E-03	1.00E-01	7.37E-03	1.18E-03	1.12E-01	2.80E-03	2.00E-07	9.83E-05	3.22E-05	2.93E-03
5483	489363.04	3859102.45	6.29E-03	2.45E-07	9.85E-05	3.05E-05	6.42E-03	2.97E-03	1.01E-01	7.39E-03	1.12E-03	1.13E-01	2.82E-03	2.01E-07	9.85E-05	3.05E-05	2.95E-03
5484	489337.52	3859140.71	5.91E-03	2.61E-07	8.82E-05	3.23E-05	6.03E-03	2.79E-03	1.08E-01	6.61E-03	1.18E-03	1.18E-01	2.65E-03	2.15E-07	8.82E-05	3.23E-05	2.77E-03
5485	489375.14	3859164.55	5.90E-03	2.56E-07	8.79E-05	3.31E-05	6.03E-03	2.78E-03	1.06E-01	6.59E-03	1.21E-03	1.16E-01	2.65E-03	2.10E-07	8.79E-05	3.31E-05	2.77E-03
5486	489409.3	3859114.5	6.15E-03	2.38E-07	1.01E-04	3.17E-05	6.28E-03	2.90E-03	9.81E-02	7.58E-03	1.16E-03	1.10E-01	2.76E-03	1.95E-07	1.01E-04	3.17E-05	2.89E-03

5487	489434.87	3859131.81	6.08E-03	2.35E-07	1.00E-04	3.21E-05	6.21E-03	2.87E-03	9.69E-02	7.53E-03	1.18E-03	1.09E-01	2.73E-03	1.93E-07	1.00E-04	3.21E-05	2.86E-03
5488	489471.87	3859075.75	5.48E-03	2.18E-07	1.13E-04	3.09E-05	5.63E-03	2.59E-03	8.96E-02	8.48E-03	1.13E-03	1.02E-01	2.46E-03	1.79E-07	1.13E-04	3.09E-05	2.60E-03
5489	489602.62	3859164.69	5.26E-03	2.15E-07	1.09E-04	3.13E-05	5.40E-03	2.48E-03	8.85E-02	8.19E-03	1.15E-03	1.00E-01	2.36E-03	1.76E-07	1.09E-04	3.13E-05	2.50E-03
5490	489558.29	3859232.45	5.78E-03	2.31E-07	9.03E-05	3.26E-05	5.90E-03	2.72E-03	9.54E-02	6.77E-03	1.19E-03	1.06E-01	2.59E-03	1.90E-07	9.03E-05	3.26E-05	2.71E-03
5491	489620.11	3859273.56	5.61E-03	2.32E-07	8.92E-05	3.36E-05	5.73E-03	2.65E-03	9.57E-02	6.69E-03	1.23E-03	1.06E-01	2.52E-03	1.91E-07	8.92E-05	3.36E-05	2.64E-03
5492	489666.06	3859206.42	5.22E-03	2.13E-07	1.09E-04	3.03E-05	5.36E-03	2.46E-03	8.77E-02	8.20E-03	1.11E-03	9.95E-02	2.34E-03	1.75E-07	1.09E-04	3.03E-05	2.48E-03
5493	489787.9	3859285.65	4.90E-03	2.07E-07	1.10E-04	3.12E-05	5.04E-03	2.31E-03	8.54E-02	8.28E-03	1.14E-03	9.72E-02	2.20E-03	1.70E-07	1.10E-04	3.12E-05	2.34E-03
5494	489752.17	3859343.13	4.94E-03	2.19E-07	9.24E-05	3.01E-05	5.07E-03	2.33E-03	9.02E-02	6.93E-03	1.10E-03	1.01E-01	2.22E-03	1.80E-07	9.24E-05	3.01E-05	2.34E-03
5495	489814.94	3859385.33	4.84E-03	2.07E-07	9.05E-05	2.89E-05	4.96E-03	2.28E-03	8.54E-02	6.79E-03	1.06E-03	9.55E-02	2.17E-03	1.70E-07	9.05E-05	2.89E-05	2.29E-03
5496	489853.42	3859330.74	4.74E-03	2.07E-07	1.10E-04	2.89E-05	4.88E-03	2.24E-03	8.54E-02	8.21E-03	1.06E-03	9.69E-02	2.13E-03	1.70E-07	1.10E-04	2.89E-05	2.27E-03
5497	489969.5	3859401.91	4.49E-03	1.92E-07	1.06E-04	2.87E-05	4.63E-03	2.12E-03	7.93E-02	7.95E-03	1.05E-03	9.04E-02	2.02E-03	1.58E-07	1.06E-04	2.87E-05	2.15E-03
5498	490166.91	3859486.96	4.05E-03	1.73E-07	1.01E-04	2.85E-05	4.18E-03	1.91E-03	7.14E-02	7.55E-03	1.04E-03	8.19E-02	1.82E-03	1.42E-07	1.01E-04	2.85E-05	1.95E-03
5499	490128.86	3859571.46	4.31E-03	1.73E-07	8.91E-05	2.85E-05	4.43E-03	2.03E-03	7.14E-02	6.68E-03	1.05E-03	8.11E-02	1.93E-03	1.42E-07	8.91E-05	2.85E-05	2.05E-03
5500	490186.65	3859593.65	4.20E-03	1.68E-07	9.27E-05	2.82E-05	4.32E-03	1.98E-03	6.94E-02	6.96E-03	1.04E-03	7.93E-02	1.88E-03	1.38E-07	9.27E-05	2.82E-05	2.00E-03
5501	490223.74	3859517.48	4.04E-03	1.67E-07	9.99E-05	2.72E-05	4.17E-03	1.91E-03	6.88E-02	7.49E-03	9.96E-04	7.92E-02	1.81E-03	1.37E-07	9.99E-05	2.72E-05	1.94E-03
5502	490846.34	3859817.22	3.80E-03	1.28E-07	8.86E-05	2.61E-05	3.91E-03	1.79E-03	5.28E-02	6.64E-03	9.57E-04	6.21E-02	1.70E-03	1.05E-07	8.86E-05	2.61E-05	1.82E-03
5503	490925.65	3859844.59	3.74E-03	1.22E-07	8.83E-05	2.61E-05	3.85E-03	1.76E-03	5.02E-02	6.63E-03	9.57E-04	5.96E-02	1.68E-03	1.00E-07	8.83E-05	2.61E-05	1.79E-03
5504	491159.29	3859896.28	3.42E-03	1.17E-07	9.18E-05	2.51E-05	3.53E-03	1.61E-03	4.83E-02	6.88E-03	9.21E-04	5.78E-02	1.53E-03	9.63E-08	9.18E-05	2.51E-05	1.65E-03
5505	491370.69	3859960.89	3.32E-03	1.13E-07	8.51E-05	2.36E-05	3.43E-03	1.57E-03	4.65E-02	6.39E-03	8.64E-04	5.53E-02	1.49E-03	9.26E-08	8.51E-05	2.36E-05	1.60E-03
5506	491330.28	3860063.17	3.17E-03	1.14E-07	7.96E-05	2.60E-05	3.27E-03	1.49E-03	4.70E-02	5.97E-03	9.55E-04	5.54E-02	1.42E-03	9.36E-08	7.96E-05	2.60E-05	1.53E-03
5507	491636.45	3860180.75	3.04E-03	1.03E-07	7.84E-05	2.36E-05	3.14E-03	1.43E-03	4.23E-02	5.88E-03	8.65E-04	5.05E-02	1.36E-03	8.42E-08	7.84E-05	2.36E-05	1.47E-03
5508	491617.94	3860203.93	2.93E-03	1.02E-07	7.97E-05	2.38E-05	3.04E-03	1.38E-03	4.22E-02	5.98E-03	8.74E-04	5.04E-02	1.32E-03	8.40E-08	7.97E-05	2.38E-05	1.42E-03
5509	491805.68	3860271.59	2.90E-03	9.29E-08	7.56E-05	2.28E-05	3.00E-03	1.37E-03	3.83E-02	5.67E-03	8.36E-04	4.62E-02	1.30E-03	7.62E-08	7.56E-05	2.28E-05	1.40E-03
5510	491654.23	3860414.02	2.84E-03	9.48E-08	6.65E-05	2.30E-05	2.93E-03	1.34E-03	3.90E-02	4.99E-03	8.44E-04	4.62E-02	1.27E-03	7.78E-08	6.65E-05	2.30E-05	1.36E-03
5511	491592.62	3860510.76	2.75E-03	9.13E-08	6.73E-05	2.26E-05	2.84E-03	1.30E-03	3.76E-02	5.04E-03	8.28E-04	4.48E-02	1.23E-03	7.49E-08	6.73E-05	2.26E-05	1.32E-03
5512	491475.41	3860368.93	2.85E-03	1.01E-07	6.47E-05	2.29E-05	2.94E-03	1.34E-03	4.18E-02	4.85E-03	8.38E-04	4.88E-02	1.28E-03	8.32E-08	6.47E-05	2.29E-05	1.37E-03
5513	491445.61	3860337.28	2.86E-03	1.03E-07	6.58E-05	2.31E-05	2.95E-03	1.35E-03	4.23E-02	4.93E-03	8.47E-04	4.94E-02	1.28E-03	8.43E-08	6.58E-05	2.31E-05	1.37E-03
5514	491399.05	3860300.37	2.90E-03	1.03E-07	6.70E-05	2.35E-05	2.99E-03	1.37E-03	4.24E-02	5.03E-03	8.63E-04	4.96E-02	1.30E-03	8.44E-08	6.70E-05	2.35E-05	1.39E-03
5515	491228.84	3860235.98	3.02E-03	1.11E-07	7.11E-05	2.53E-05	3.12E-03	1.43E-03	4.56E-02	5.33E-03	9.28E-04	5.33E-02	1.36E-03	9.09E-08	7.11E-05	2.53E-05	1.45E-03
5516	491228.47	3860174.57	3.04E-03	1.15E-07	7.09E-05	2.57E-05	3.14E-03	1.43E-03	4.75E-02	5.32E-03	9.41E-04	5.52E-02	1.36E-03	9.46E-08	7.09E-05	2.57E-05	1.46E-03
5517	491145.77	3860112.55	3.12E-03	1.20E-07	7.32E-05	2.62E-05	3.22E-03	1.47E-03	4.95E-02	5.49E-03	9.60E-04	5.74E-02	1.40E-03	9.86E-08	7.32E-05	2.62E-05	1.50E-03
5518	490844.41	3859966.22	3.41E-03	1.32E-07	8.51E-05	2.75E-05	3.52E-03	1.61E-03	5.45E-02	6.38E-03	1.01E-03	6.35E-02	1.53E-03	1.08E-07	8.51E-05	2.75E-05	1.64E-03
5519	490845.55	3859928.15	3.48E-03	1.33E-07	7.97E-05	2.75E-05	3.58E-03	1.64E-03	5.47E-02	5.98E-03	1.01E-03	6.33E-02	1.56E-03	1.09E-07	7.97E-05	2.75E-05	1.67E-03
5520	490046.91	3859625.6	4.71E-03	1.77E-07	8.73E-05	2.91E-05	4.83E-03	2.22E-03	7.31E-02	6.55E-03	1.07E-03	8.30E-02	2.11E-03	1.46E-07	8.73E-05	2.91E-05	2.23E-03
5521	489970.48	3859589.4	4.89E-03	1.85E-07	9.06E-05	3.03E-05	5.01E-03	2.30E-03	7.61E-02	6.80E-03	1.11E-03	8.63E-02	2.19E-03	1.52E-07	9.06E-05	3.03E-05	2.31E-03
5522	489865.89	3859529.06	5.11E-03	1.99E-07	9.29E-05	3.23E-05	5.24E-03	2.41E-03	8.20E-02	6.97E-03	1.19E-03	9.25E-02	2.29E-03	1.63E-07	9.29E-05	3.23E-05	2.42E-03
5523	489826.89	3859531.74	4.99E-03	2.05E-07	9.72E-05	3.31E-05	5.13E-03	2.36E-03	8.45E-02	7.29E-03	1.21E-03	9.53E-02	2.24E-03	1.68E-07	9.72E-05	3.31E-05	2.37E-03
5524	489410.47	3859303.06	5.65E-03	2.64E-07	8.63E-05	3.49E-05	5.77E-03	2.66E-03	1.09E-01	6.48E-03	1.28E-03	1.19E-01	2.53E-03	2.16E-07	8.63E-05	3.49E-05	2.65E-03
5525	489407.15	3859286.09	5.59E-03	2.63E-07	8.88E-05	3.42E-05	5.71E-03	2.64E-03	1.09E-01	6.66E-03	1.25E-03	1.19E-01	2.51E-03	2.16E-07	8.88E-05	3.42E-05	2.63E-03
5526	488806.07	3858963.62	6.60E-03	4.04E-07	9.75E-05	3.61E-05	6.73E-03	3.11E-03	1.67E-01	7.31E-03	1.33E-03	1.78E-01	2.96E-03	3.32E-07	9.75E-05	3.61E-05	3.09E-03
5527	488817.64	3859546.3	4.93E-03	4.62E-07	4.62E-05	8.30E-05	5.06E-03	2.33E-03	1.90E-01	3.47E-03	3.04E-03	1.99E-01	2.21E-03	3.79E-07	4.62E-05	8.30E-05	2.34E-03
5528	489187.25	3859549.52	5.55E-03	2.91E-07	8.23E-05	4.80E-05	5.68E-03	2.62E-03	1.20E-01	6.17E-03	1.76E-03	1.30E-01	2.49E-03	2.39E-07	8.23E-05	4.80E-05	2.62E-03
5529	489187.66	3859523.74	5.49E-03	2.96E-07	8.46E-05	4.76E-05	5.62E-03	2.59E-03	1.22E-01	6.35E-03	1.75E-03	1.33E-01	2.46E-03	2.43E-07	8.46E-05	4.76E-05	2.59E-03
5530	489232.59	3859522.85	5.47E-03	2.85E-07	8.71E-05	4.44E-05	5.60E-03	2.58E-03	1.18E-01	6.53E-03	1.63E-03	1.28E-01	2.45E-03	2.34E-07	8.71E-05	4.44E-05	2.58E-03
5531	489224.98	3859759.91	5.05E-03	2.54E-07	8.55E-05	5.34E-05	5.19E-03	2.38E-03	1.04E-01	6.41E-03	1.96E-03	1.15E-01	2.26E-03	2.08E-07	8.55E-05	5.34E-05	2.40E-03
5532	488401.39	3859763.34	5.02E-03	5.59E-07	2.12E-05	1.34E-04	5.18E-03	2.37E-03	2.30E-01	1.59E-03	4.91E-03	2.39E-01	2.25E-03	4.59E-07	2.12E-05	1.34E-04	2.41E-03
5533	488405.51	3859966.16	4.39E-03	5.60E-07	2.83E-05	7.89E-05	4.50E-03	2.07E-03	2.31E-01	2.13E-03	2.89E-03	2.38E-01	1.97E-03	4.59E-07	2.83E-05	7.89E-05	2.08E-03
5534	489202.85	3859956.57	4.22E-03	2.56E-07	7.16E-05	6.20E-05	4.35E-03	1.99E-03	1.06E-01	5.37E-03	2.27E-03	1.15E-01	1.89E-03	2.10E-07	7.16E-05	6.20E-05	2.03E-03
5535	489191.9	3860676.74	3.48E-03	2.57E-07	2.26E-05	3.86E-05	3.54E-03	1.64E-03	1.06E-01	1.70E-03	1.41E-03	1.11E-01	1.56E-03	2.11E-07	2.26E-05	3.86E-05	1.62E-03
5536	488392.82	3860687.88	3.17E-03	2.73E-07	4.69E-05	3.62E-05	3.25E-03	1.49E-03	1.12E-01	3.51E-03	1.33E-03	1.19E-01	1.42E-03	2.24E-07	4.69E-05	3.62E-05	1.50E-03
5537	488392.82	3860760.27	3.09E-03	2.32E-07	4.64E-05	3.11E-05	3.17E-03	1.46E-03	9.57E-02	3.48E-03	1.14E-03	1.02E-01	1.39E-03	1.91E-07	4.64E-05	3.11E-05	1.47E-03
5538	487549.05	3860777.45	2.82E-03	2.03E-07	2.96E-05	2.87E-05	2.88E-03	1.33E-03	8.38E-02	2.22E-03	1.05E-03	8.84E-02	1.26E-03	1.67E-07	2.96E-05	2.87E-05	1.32E-03
5539	487554.62	3859571.83	4.41E-03	4.17E-07	3.10E-05	6.13E-05	4.50E-03	2.08E-03	1.72E-01	2.32E-03	2.25E-03	1.79E-01	1.98E-03	3.43E-07	3.10E-05	6.13E-05	2.07E-03
5540	485949.46	3859558.54	3.06E-03	1.97E-07	9.12E-05	2.15E-05	3.17E-03	1.44E-03	8.13E-02	6.84E-03	7.87E-04	9.04E-02	1.37E-03	1.62E-07	9.12E-05	2.15E-05	1.48E-03
5541	485947.55	3857943.61	8.33E-03	2.63E-07	9.60E-05	2.21E-05	8.45E-03	3.93E-03	1.08E-01	7.20E-03	8.12E-04	1.20E-01	3.74E-03	2.16E-07	9.60E-05	2.21E-05	3.86E-03
5542	484738.38	3857940.21	7.63E-03	1.54E-07	7.00E-05	1.82E-05	7.72E-03	3.60E-03	6.33E-02	5.25E-03	6.68E-04	7.28E-02	3.42E-03	1.26E-07	7.00E-05	1.82E-05	3.51E-03
5543	484737.06	3857535.68	9.73E-03	2.36E-07	6.89E-05	2.06E-05	9.82E-03	4.59E-03	9.72E-02	5.17E-03	7.56E-04	1.08E-01	4.36E-03	1.94E-07	6.89E-05	2.06E-05	4.45E-03
5544	483730.2	3857530.13	7.61E-03	1.74E-07	5.59E-05	4.50E-05	7.71E-03	3.59E-03	7.15E-02	4.20E-03	1.65E-03	8.10E-02	3.41E-03	1.43E-07	5.59E-05	4.50E-05	3.51E-03
5545	483727.27	3857130.01	8.40E-03	3.18E-07	7.31E-05	3.49E-05	8.51E-03	3.96E-03	1.31E-01	5.49E-03	1.28E-03	1.42E-01	3.77E-03	2.61E-07	7.31E-05	3.49E-05	3.88E-03
5546	483124.42	3857123.45	7.39E-03	1.92E-07	6.21E-05	3.64E-05	7.49E-03	3.49E-03	7.91E-02	4.65E-03	1.34E-03	8.86E-02	3.31E-03	1.58E-07	6.21E-05	3.64E-05	3.41E-03
5547	483111.13	3855921.03	9.69E-03	2.98E-07	4.71E-05	5.56E-05	9.79E-03	4.57E-03	1.23E-01	3.53E-03	2.04E-03	1.33E-01	4.34E-03	2.44E-07	4.71E-05	5.56E-05	4.45E-03

5548	482701.73	3855918.24	8.11E-03	1.95E-07	5.21E-05	3.39E-05	8.20E-03	3.82E-03	8.05E-02	3.91E-03	1.24E-03	8.95E-02	3.64E-03	1.60E-07	5.21E-05	3.39E-05	3.72E-03
5549	482668.02	3853521.78	5.94E-03	3.53E-08	2.00E-05	1.81E-05	5.97E-03	2.80E-03	1.45E-02	1.50E-03	6.63E-04	1.95E-02	2.66E-03	2.89E-08	2.00E-05	1.81E-05	2.70E-03
5550	482579.91	3853219.19	6.53E-03	3.13E-08	1.78E-05	1.59E-05	6.56E-03	3.08E-03	1.29E-02	1.34E-03	5.83E-04	1.79E-02	2.93E-03	2.57E-08	1.78E-05	1.59E-05	2.96E-03
5551	482434.06	3852961.94	6.08E-03	3.03E-08	1.56E-05	1.43E-05	6.11E-03	2.87E-03	1.25E-02	1.17E-03	5.26E-04	1.70E-02	2.73E-03	2.48E-08	1.56E-05	1.43E-05	2.76E-03
5552	482332.11	3852832.85	5.97E-03	2.97E-08	1.48E-05	1.26E-05	6.00E-03	2.82E-03	1.23E-02	1.11E-03	4.60E-04	1.66E-02	2.68E-03	2.44E-08	1.48E-05	1.26E-05	2.70E-03
5553	481334.99	3851818.96	4.37E-03	2.92E-08	1.10E-05	1.03E-05	4.40E-03	2.06E-03	1.20E-02	8.21E-04	3.78E-04	1.53E-02	1.96E-03	2.39E-08	1.10E-05	1.03E-05	1.98E-03
5554	481127.62	3851646.36	4.07E-03	2.77E-08	1.09E-05	9.91E-06	4.09E-03	1.92E-03	1.14E-02	8.21E-04	3.63E-04	1.45E-02	1.82E-03	2.27E-08	1.09E-05	9.91E-06	1.84E-03
5555	481025.04	3851591.73	3.83E-03	2.57E-08	1.16E-05	9.21E-06	3.85E-03	1.81E-03	1.06E-02	8.72E-04	3.38E-04	1.36E-02	1.72E-03	2.11E-08	1.16E-05	9.21E-06	1.74E-03
5556	480513.6	3851335.76	3.27E-03	2.44E-08	1.34E-05	9.58E-06	3.29E-03	1.54E-03	1.00E-02	1.00E-03	3.51E-04	1.29E-02	1.46E-03	2.00E-08	1.34E-05	9.58E-06	1.49E-03
5557	480523.56	3851317.66	3.35E-03	2.40E-08	1.31E-05	9.37E-06	3.37E-03	1.58E-03	9.89E-03	9.83E-04	3.44E-04	1.28E-02	1.50E-03	1.97E-08	1.31E-05	9.37E-06	1.52E-03
5558	476921.56	3849569.11	1.66E-03	2.19E-08	8.26E-06	7.23E-06	1.68E-03	7.85E-04	9.01E-03	6.19E-04	2.65E-04	1.07E-02	7.47E-04	1.79E-08	8.26E-06	7.23E-06	7.62E-04
5559	476521.19	3849373.96	1.62E-03	2.00E-08	7.59E-06	7.15E-06	1.63E-03	7.64E-04	8.22E-03	5.69E-04	2.62E-04	9.82E-03	7.26E-04	1.64E-08	7.59E-06	7.15E-06	7.41E-04
5560	476391.45	3849333.38	1.73E-03	1.90E-08	7.33E-06	7.14E-06	1.75E-03	8.17E-04	7.84E-03	5.50E-04	2.62E-04	9.47E-03	7.77E-04	1.56E-08	7.33E-06	7.14E-06	7.92E-04
5561	476219.41	3849304.29	1.79E-03	1.77E-08	6.93E-06	7.20E-06	1.81E-03	8.46E-04	7.30E-03	5.20E-04	2.64E-04	8.93E-03	8.05E-04	1.45E-08	6.93E-06	7.20E-06	8.19E-04
5562	475679.11	3849218.47	1.70E-03	1.64E-08	6.32E-06	7.18E-06	1.72E-03	8.04E-04	6.75E-03	4.74E-04	2.63E-04	8.29E-03	7.64E-04	1.34E-08	6.32E-06	7.18E-06	7.78E-04
5563	475677.71	3849233.88	1.68E-03	1.64E-08	6.43E-06	7.15E-06	1.70E-03	7.94E-04	6.76E-03	4.82E-04	2.62E-04	8.30E-03	7.55E-04	1.35E-08	6.43E-06	7.15E-06	7.69E-04
5564	475492.74	3849204.66	1.65E-03	1.10E-08	6.98E-06	6.80E-06	1.66E-03	7.76E-04	4.51E-03	5.24E-04	2.49E-04	6.06E-03	7.38E-04	8.99E-09	6.98E-06	6.80E-06	7.52E-04
5565	475497.64	3849158.75	1.62E-03	1.26E-08	6.57E-06	6.92E-06	1.64E-03	7.65E-04	5.19E-03	4.93E-04	2.54E-04	6.70E-03	7.28E-04	1.03E-08	6.57E-06	6.92E-06	7.41E-04
5566	475391.35	3849141.94	1.63E-03	1.34E-08	7.16E-06	6.71E-06	1.64E-03	7.68E-04	5.51E-03	5.37E-04	2.46E-04	7.07E-03	7.30E-04	1.10E-08	7.16E-06	6.71E-06	7.44E-04
5567	475277	3849095.47	1.64E-03	1.37E-08	7.58E-06	6.55E-06	1.65E-03	7.73E-04	5.66E-03	5.69E-04	2.40E-04	7.24E-03	7.35E-04	1.13E-08	7.58E-06	6.55E-06	7.49E-04
5568	475183.93	3849025.66	1.61E-03	1.36E-08	7.43E-06	6.49E-06	1.62E-03	7.59E-04	5.59E-03	5.57E-04	2.38E-04	7.14E-03	7.22E-04	1.11E-08	7.43E-06	6.49E-06	7.36E-04
5569	474453.23	3848378.77	1.41E-03	1.25E-08	5.77E-06	6.29E-06	1.42E-03	6.63E-04	5.15E-03	4.33E-04	2.31E-04	6.47E-03	6.31E-04	1.02E-08	5.77E-06	6.29E-06	6.43E-04
5570	474569.63	3848399.34	1.49E-03	1.21E-08	5.36E-06	6.49E-06	1.51E-03	7.05E-04	4.99E-03	4.02E-04	2.38E-04	6.34E-03	6.70E-04	9.94E-09	5.36E-06	6.49E-06	6.82E-04
5571	474644.33	3848464.52	1.48E-03	1.23E-08	5.47E-06	6.52E-06	1.49E-03	6.99E-04	5.08E-03	4.10E-04	2.39E-04	6.43E-03	6.65E-04	1.01E-08	5.47E-06	6.52E-06	6.77E-04
5572	474719.04	3848529.7	1.47E-03	1.24E-08	5.58E-06	6.54E-06	1.48E-03	6.93E-04	5.13E-03	4.18E-04	2.40E-04	6.48E-03	6.59E-04	1.02E-08	5.58E-06	6.54E-06	6.71E-04
5573	474793.74	3848594.88	1.46E-03	1.23E-08	5.69E-06	6.57E-06	1.47E-03	6.87E-04	5.06E-03	4.26E-04	2.41E-04	6.41E-03	6.54E-04	1.01E-08	5.69E-06	6.57E-06	6.66E-04
5574	474868.45	3848660.07	1.48E-03	1.19E-08	5.81E-06	6.59E-06	1.49E-03	6.96E-04	4.90E-03	4.36E-04	2.42E-04	6.28E-03	6.62E-04	9.77E-09	5.81E-06	6.59E-06	6.74E-04
5575	474943.15	3848725.25	1.51E-03	1.18E-08	5.96E-06	6.61E-06	1.52E-03	7.11E-04	4.85E-03	4.47E-04	2.43E-04	6.25E-03	6.76E-04	9.67E-09	5.96E-06	6.61E-06	6.88E-04
5576	475017.86	3848790.43	1.56E-03	1.20E-08	6.10E-06	6.64E-06	1.57E-03	7.35E-04	4.96E-03	4.57E-04	2.43E-04	6.39E-03	6.99E-04	9.87E-09	6.10E-06	6.64E-06	7.12E-04
5577	475092.56	3848855.61	1.56E-03	1.24E-08	6.16E-06	6.67E-06	1.57E-03	7.36E-04	5.12E-03	4.62E-04	2.44E-04	6.57E-03	7.00E-04	1.02E-08	6.16E-06	6.67E-06	7.13E-04
5578	475232.58	3848959.38	1.59E-03	1.31E-08	6.30E-06	6.76E-06	1.60E-03	7.49E-04	5.40E-03	4.73E-04	2.48E-04	6.87E-03	7.12E-04	1.08E-08	6.30E-06	6.76E-06	7.25E-04
5579	475368.47	3849029.98	1.64E-03	1.31E-08	6.25E-06	6.90E-06	1.66E-03	7.74E-04	5.41E-03	4.69E-04	2.53E-04	6.91E-03	7.36E-04	1.08E-08	6.25E-06	6.90E-06	7.50E-04
5580	475609.57	3849096.09	1.69E-03	1.42E-08	5.91E-06	7.02E-06	1.71E-03	7.99E-04	5.87E-03	4.43E-04	2.58E-04	7.37E-03	7.59E-04	1.17E-08	5.91E-06	7.02E-06	7.72E-04
5581	475680.68	3849116.62	1.65E-03	1.52E-08	6.03E-06	6.84E-06	1.66E-03	7.78E-04	6.28E-03	4.52E-04	2.51E-04	7.76E-03	7.40E-04	1.25E-08	6.03E-06	6.84E-06	7.53E-04
5582	475843.76	3849151.52	1.76E-03	1.59E-08	6.35E-06	6.64E-06	1.78E-03	8.32E-04	6.54E-03	4.76E-04	2.43E-04	8.09E-03	7.91E-04	1.30E-08	6.35E-06	6.64E-06	8.04E-04
5583	475935.73	3849165.89	1.76E-03	1.62E-08	6.55E-06	6.82E-06	1.77E-03	8.30E-04	6.69E-03	4.91E-04	2.50E-04	8.26E-03	7.90E-04	1.33E-08	6.55E-06	6.82E-06	8.03E-04
5584	476027.71	3849180.27	1.75E-03	1.70E-08	6.75E-06	7.00E-06	1.77E-03	8.26E-04	7.01E-03	5.06E-04	2.57E-04	8.60E-03	7.86E-04	1.40E-08	6.75E-06	7.00E-06	7.99E-04
5585	476119.68	3849194.64	1.67E-03	1.63E-08	6.96E-06	7.18E-06	1.69E-03	7.89E-04	6.71E-03	5.22E-04	2.63E-04	8.29E-03	7.50E-04	1.34E-08	6.96E-06	7.18E-06	7.64E-04
5586	476211.65	3849209.01	1.71E-03	1.64E-08	7.18E-06	7.19E-06	1.72E-03	8.05E-04	6.76E-03	5.38E-04	2.64E-04	8.36E-03	7.66E-04	1.35E-08	7.18E-06	7.19E-06	7.80E-04
5587	476497.8	3849283.9	1.51E-03	1.83E-08	7.79E-06	7.13E-06	1.52E-03	7.11E-04	7.54E-03	5.84E-04	2.61E-04	9.10E-03	6.76E-04	1.50E-08	7.79E-06	7.13E-06	6.91E-04
5588	476603.73	3849323.77	1.49E-03	1.84E-08	7.98E-06	7.14E-06	1.50E-03	7.00E-04	7.57E-03	5.99E-04	2.62E-04	9.13E-03	6.66E-04	1.51E-08	7.98E-06	7.14E-06	6.81E-04
5589	476728.99	3849382.76	1.55E-03	1.95E-08	8.30E-06	7.14E-06	1.56E-03	7.30E-04	8.03E-03	6.22E-04	2.62E-04	9.64E-03	6.95E-04	1.60E-08	8.30E-06	7.14E-06	7.10E-04
5590	476801.27	3849418.65	1.50E-03	1.96E-08	8.47E-06	7.13E-06	1.51E-03	7.06E-04	8.08E-03	6.35E-04	2.62E-04	9.68E-03	6.72E-04	1.61E-08	8.47E-06	7.13E-06	6.87E-04
5591	476956.2	3849495.05	1.60E-03	2.08E-08	8.86E-06	7.10E-06	1.61E-03	7.53E-04	8.58E-03	6.64E-04	2.60E-04	1.03E-02	7.16E-04	1.71E-08	8.86E-06	7.10E-06	7.32E-04
5592	477038.84	3849535.56	1.69E-03	2.16E-08	9.07E-06	7.07E-06	1.71E-03	7.98E-04	8.90E-03	6.80E-04	2.59E-04	1.06E-02	7.59E-04	1.77E-08	9.07E-06	7.07E-06	7.75E-04
5593	477121.48	3849576.08	1.65E-03	2.22E-08	9.29E-06	7.02E-06	1.67E-03	7.79E-04	9.16E-03	6.97E-04	2.58E-04	1.09E-02	7.41E-04	1.82E-08	9.29E-06	7.02E-06	7.57E-04
5594	477204.13	3849616.6	1.66E-03	2.20E-08	9.51E-06	6.97E-06	1.68E-03	7.85E-04	9.08E-03	7.13E-04	2.56E-04	1.08E-02	7.46E-04	1.81E-08	9.51E-06	6.97E-06	7.63E-04
5595	477286.78	3849657.12	1.78E-03	2.08E-08	9.73E-06	6.92E-06	1.80E-03	8.39E-04	8.57E-03	7.30E-04	2.54E-04	1.04E-02	7.98E-04	1.71E-08	9.73E-06	6.92E-06	8.15E-04
5596	477369.42	3849697.63	1.77E-03	2.26E-08	9.97E-06	6.83E-06	1.78E-03	8.33E-04	9.31E-03	7.48E-04	2.50E-04	1.11E-02	7.93E-04	1.85E-08	9.97E-06	6.83E-06	8.09E-04
5597	477452.07	3849738.15	1.74E-03	2.28E-08	1.02E-05	6.77E-06	1.76E-03	8.20E-04	9.38E-03	7.65E-04	2.48E-04	1.12E-02	7.80E-04	1.87E-08	1.02E-05	6.77E-06	7.97E-04
5598	477534.71	3849778.67	1.75E-03	2.40E-08	1.01E-05	6.68E-06	1.77E-03	8.27E-04	9.89E-03	7.59E-04	2.45E-04	1.17E-02	7.87E-04	1.97E-08	1.01E-05	6.68E-06	8.03E-04
5599	477617.35	3849819.18	1.81E-03	2.41E-08	9.88E-06	6.58E-06	1.83E-03	8.55E-04	9.92E-03	7.41E-04	2.41E-04	1.18E-02	8.13E-04	1.98E-08	9.88E-06	6.58E-06	8.30E-04
5600	477824.74	3849896.37	1.89E-03	2.56E-08	1.02E-05	6.20E-06	1.91E-03	8.92E-04	1.05E-02	7.67E-04	2.27E-04	1.24E-02	8.49E-04	2.10E-08	1.02E-05	6.20E-06	8.65E-04
5601	477906.31	3849936.37	2.00E-03	2.40E-08	1.04E-05	6.08E-06	2.02E-03	9.45E-04	9.90E-03	7.81E-04	2.23E-04	1.19E-02	8.98E-04	1.97E-08	1.04E-05	6.08E-06	9.15E-04
5602	477987.89	3849976.36	2.02E-03	2.43E-08	1.06E-05	5.94E-06	2.04E-03	9.53E-04	9.99E-03	7.93E-04	2.18E-04	1.20E-02	9.07E-04	1.99E-08	1.06E-05	5.94E-06	9.23E-04
5603	478069.47	3850016.36	2.05E-03	2.27E-08	1.07E-05	6.14E-06	2.07E-03	9.66E-04	9.36E-03	8.06E-04	2.25E-04	1.14E-02	9.19E-04	1.86E-08	1.07E-05	6.14E-06	9.35E-04
5604	478151.04	3850056.35	2.13E-03	2.12E-08	1.09E-05	6.41E-06	2.14E-03	1.00E-03	8.75E-03	8.20E-04	2.35E-04	1.08E-02	9.53E-04	1.74E-08	1.09E-05	6.41E-06	9.71E-04
5605	478232.62	3850096.35	2.09E-03	2.10E-08	1.11E-05	6.72E-06	2.11E-03	9.86E-04	8.67E-03	8.33E-04	2.46E-04	1.07E-02	9.38E-04	1.73E-08	1.11E-05	6.72E-06	9.55E-04
5606	478314.2	3850136.34	2.04E-03	2.16E-08	1.13E-05	7.04E-06	2.06E-03	9.63E-04	8.90E-03	8.46E-04	2.58E-04	1.10E-02	9.15E-04	1.77E-08	1.13E-05	7.04E-06	9.34E-04
5607	478395.77	3850176.34	2.01E-03	2.20E-08	1.15E-05	7.37E-06	2.03E-03	9.47E-04	9.06E-03	8.59E-04	2.70E-04	1.11E-02	9.01E-04	1.80E-08	1.15E-05	7.37E-06	9.19E-04
5608	478575.43	3850244.45	2.04E-03	2.03E-08	1.19E-05	7.46E-06	2.06E-03	9.61E-04	8.38E-03	8.94E-04	2.74E-04	1.05E-02	9.14E-04	1.67E-08	1.19E-05	7.46E-06	9.33E-04

5609	478665.06	3850287.29	2.05E-03	2.05E-08	1.21E-05	7.71E-06	2.07E-03	9.68E-04	8.44E-03	9.09E-04	2.83E-04	1.06E-02	9.20E-04	1.68E-08	1.21E-05	7.71E-06	9.40E-04
5610	478754.69	3850330.14	1.94E-03	2.07E-08	1.23E-05	7.92E-06	1.96E-03	9.16E-04	8.52E-03	9.25E-04	2.91E-04	1.07E-02	8.71E-04	1.70E-08	1.23E-05	7.92E-06	8.91E-04
5611	478844.32	3850372.99	1.82E-03	2.16E-08	1.25E-05	8.17E-06	1.84E-03	8.59E-04	8.89E-03	9.40E-04	2.99E-04	1.10E-02	8.17E-04	1.77E-08	1.25E-05	8.17E-06	8.38E-04
5612	478933.95	3850415.84	1.90E-03	2.20E-08	1.27E-05	8.40E-06	1.92E-03	8.97E-04	9.05E-03	9.56E-04	3.08E-04	1.12E-02	8.53E-04	1.80E-08	1.27E-05	8.40E-06	8.74E-04
5613	479023.58	3850458.68	2.02E-03	2.16E-08	1.30E-05	8.60E-06	2.04E-03	9.53E-04	8.91E-03	9.72E-04	3.15E-04	1.12E-02	9.06E-04	1.77E-08	1.30E-05	8.60E-06	9.28E-04
5614	479110.66	3850441.9	2.04E-03	2.24E-08	1.33E-05	8.32E-06	2.06E-03	9.61E-04	9.23E-03	1.00E-03	3.05E-04	1.15E-02	9.14E-04	1.84E-08	1.33E-05	8.32E-06	9.36E-04
5615	479191.22	3850423.99	2.09E-03	2.25E-08	1.37E-05	8.02E-06	2.12E-03	9.88E-04	9.26E-03	1.03E-03	2.94E-04	1.16E-02	9.39E-04	1.84E-08	1.37E-05	8.02E-06	9.61E-04
5616	479274.32	3850465.71	2.16E-03	2.25E-08	1.36E-05	7.92E-06	2.19E-03	1.02E-03	9.26E-03	1.02E-03	2.90E-04	1.16E-02	9.70E-04	1.84E-08	1.36E-05	7.92E-06	9.92E-04
5617	479357.43	3850507.42	2.27E-03	2.37E-08	1.35E-05	7.81E-06	2.29E-03	1.07E-03	9.75E-03	1.01E-03	2.86E-04	1.21E-02	1.02E-03	1.94E-08	1.35E-05	7.81E-06	1.04E-03
5618	479440.53	3850549.14	2.48E-03	2.31E-08	1.34E-05	7.69E-06	2.50E-03	1.17E-03	9.50E-03	1.00E-03	2.82E-04	1.20E-02	1.11E-03	1.89E-08	1.34E-05	7.69E-06	1.13E-03
5619	479523.64	3850590.85	2.49E-03	2.23E-08	1.32E-05	7.79E-06	2.51E-03	1.18E-03	9.19E-03	9.92E-04	2.86E-04	1.16E-02	1.12E-03	1.83E-08	1.32E-05	7.79E-06	1.14E-03
5620	479606.74	3850632.57	2.69E-03	2.17E-08	1.31E-05	8.03E-06	2.71E-03	1.27E-03	8.92E-03	9.81E-04	2.94E-04	1.15E-02	1.21E-03	1.78E-08	1.31E-05	8.03E-06	1.23E-03
5621	479777.37	3850707.61	2.95E-03	2.15E-08	1.26E-05	8.57E-06	2.98E-03	1.39E-03	8.87E-03	9.46E-04	3.14E-04	1.15E-02	1.33E-03	1.77E-08	1.26E-05	8.57E-06	1.35E-03
5622	479864.9	3850740.95	3.13E-03	2.11E-08	1.23E-05	8.86E-06	3.15E-03	1.48E-03	8.68E-03	9.22E-04	3.25E-04	1.14E-02	1.41E-03	1.73E-08	1.23E-05	8.86E-06	1.43E-03
5623	479931.87	3850829.56	3.03E-03	2.17E-08	1.27E-05	8.97E-06	3.05E-03	1.43E-03	8.96E-03	9.50E-04	3.29E-04	1.17E-02	1.36E-03	1.78E-08	1.27E-05	8.97E-06	1.38E-03
5624	479995.55	3850926.75	2.73E-03	2.33E-08	1.31E-05	9.04E-06	2.76E-03	1.29E-03	9.59E-03	9.86E-04	3.32E-04	1.22E-02	1.23E-03	1.91E-08	1.31E-05	9.04E-06	1.25E-03
5625	480079.78	3850968.64	2.88E-03	2.31E-08	1.29E-05	9.33E-06	2.91E-03	1.36E-03	9.51E-03	9.71E-04	3.42E-04	1.22E-02	1.29E-03	1.89E-08	1.29E-05	9.33E-06	1.32E-03
5626	480164.01	3851010.54	3.02E-03	2.33E-08	1.27E-05	9.49E-06	3.04E-03	1.42E-03	9.58E-03	9.55E-04	3.48E-04	1.23E-02	1.35E-03	1.91E-08	1.27E-05	9.49E-06	1.37E-03
5627	480248.23	3851052.43	3.13E-03	2.33E-08	1.25E-05	9.24E-06	3.15E-03	1.47E-03	9.59E-03	9.38E-04	3.39E-04	1.23E-02	1.40E-03	1.91E-08	1.25E-05	9.24E-06	1.42E-03
5628	480332.46	3851094.33	3.14E-03	2.30E-08	1.23E-05	8.99E-06	3.17E-03	1.48E-03	9.47E-03	9.20E-04	3.30E-04	1.22E-02	1.41E-03	1.89E-08	1.23E-05	8.99E-06	1.43E-03
5629	480416.69	3851136.22	3.07E-03	2.23E-08	1.20E-05	8.76E-06	3.09E-03	1.45E-03	9.20E-03	9.01E-04	3.21E-04	1.19E-02	1.38E-03	1.83E-08	1.20E-05	8.76E-06	1.40E-03
5630	480579.95	3851215.17	3.33E-03	2.37E-08	1.14E-05	8.70E-06	3.35E-03	1.57E-03	9.74E-03	8.52E-04	3.19E-04	1.25E-02	1.49E-03	1.94E-08	1.14E-05	8.70E-06	1.51E-03
5631	480658.98	3851252.22	3.49E-03	2.48E-08	1.08E-05	8.92E-06	3.51E-03	1.64E-03	1.02E-02	8.08E-04	3.27E-04	1.30E-02	1.56E-03	2.03E-08	1.08E-05	8.92E-06	1.58E-03
5632	480817.36	3851327.85	3.77E-03	2.50E-08	9.65E-06	9.08E-06	3.78E-03	1.78E-03	1.03E-02	7.24E-04	3.33E-04	1.31E-02	1.69E-03	2.05E-08	9.65E-06	9.08E-06	1.71E-03
5633	480896.72	3851366.42	3.91E-03	2.36E-08	9.79E-06	8.92E-06	3.93E-03	1.84E-03	9.73E-03	7.35E-04	3.27E-04	1.26E-02	1.75E-03	1.94E-08	9.79E-06	8.92E-06	1.77E-03
5634	480976.07	3851405	4.01E-03	2.44E-08	9.89E-06	9.68E-06	4.03E-03	1.89E-03	1.00E-02	7.42E-04	3.55E-04	1.30E-02	1.80E-03	2.00E-08	9.89E-06	9.68E-06	1.82E-03
5635	481178	3851487.31	4.11E-03	2.50E-08	1.05E-05	9.93E-06	4.13E-03	1.94E-03	1.03E-02	7.88E-04	3.64E-04	1.34E-02	1.84E-03	2.05E-08	1.05E-05	9.93E-06	1.86E-03
5636	481244.9	3851557.17	4.19E-03	2.50E-08	1.06E-05	1.02E-05	4.21E-03	1.98E-03	1.03E-02	7.92E-04	3.72E-04	1.35E-02	1.88E-03	2.05E-08	1.06E-05	1.02E-05	1.90E-03
5637	481311.81	3851627.03	4.27E-03	2.49E-08	1.06E-05	1.03E-05	4.30E-03	2.02E-03	1.02E-02	7.95E-04	3.76E-04	1.34E-02	1.92E-03	2.04E-08	1.06E-05	1.03E-05	1.94E-03
5638	481378.71	3851696.89	4.36E-03	2.46E-08	1.06E-05	1.04E-05	4.38E-03	2.06E-03	1.01E-02	7.98E-04	3.80E-04	1.34E-02	1.95E-03	2.02E-08	1.06E-05	1.04E-05	1.98E-03
5639	481445.61	3851766.76	4.45E-03	2.44E-08	1.07E-05	1.05E-05	4.47E-03	2.10E-03	1.00E-02	8.01E-04	3.83E-04	1.33E-02	1.99E-03	2.00E-08	1.07E-05	1.05E-05	2.01E-03
5640	481512.51	3851836.62	4.54E-03	2.40E-08	1.07E-05	1.05E-05	4.56E-03	2.14E-03	9.90E-03	8.04E-04	3.87E-04	1.32E-02	2.04E-03	1.97E-08	1.07E-05	1.05E-05	2.06E-03
5641	481579.42	3851906.48	4.63E-03	2.37E-08	1.08E-05	1.06E-05	4.65E-03	2.19E-03	9.78E-03	8.07E-04	3.90E-04	1.32E-02	2.08E-03	1.95E-08	1.08E-05	1.06E-05	2.10E-03
5642	481646.32	3851976.34	4.73E-03	2.39E-08	1.08E-05	1.07E-05	4.75E-03	2.23E-03	9.86E-03	8.09E-04	3.93E-04	1.33E-02	2.12E-03	1.96E-08	1.08E-05	1.07E-05	2.14E-03
5643	481713.22	3852046.2	4.84E-03	2.39E-08	1.08E-05	1.13E-05	4.86E-03	2.28E-03	9.85E-03	8.11E-04	4.14E-04	1.34E-02	2.17E-03	1.96E-08	1.08E-05	1.13E-05	2.19E-03
5644	481780.12	3852116.06	4.94E-03	2.42E-08	1.09E-05	1.14E-05	4.97E-03	2.33E-03	9.98E-03	8.14E-04	4.19E-04	1.35E-02	2.22E-03	1.99E-08	1.09E-05	1.14E-05	2.24E-03
5645	481847.03	3852185.92	5.04E-03	2.47E-08	1.09E-05	1.09E-05	5.06E-03	2.38E-03	1.02E-02	8.18E-04	4.01E-04	1.38E-02	2.26E-03	2.02E-08	1.09E-05	1.09E-05	2.28E-03
5646	481913.93	3852255.78	5.14E-03	2.51E-08	1.10E-05	1.10E-05	5.16E-03	2.42E-03	1.03E-02	8.24E-04	4.03E-04	1.40E-02	2.31E-03	2.06E-08	1.10E-05	1.10E-05	2.33E-03
5647	481980.83	3852325.65	5.24E-03	2.56E-08	1.12E-05	1.07E-05	5.26E-03	2.47E-03	1.06E-02	8.42E-04	3.92E-04	1.43E-02	2.35E-03	2.10E-08	1.12E-05	1.07E-05	2.37E-03
5648	482047.73	3852395.51	5.36E-03	2.59E-08	1.15E-05	1.03E-05	5.38E-03	2.53E-03	1.07E-02	8.59E-04	3.79E-04	1.44E-02	2.40E-03	2.12E-08	1.15E-05	1.03E-05	2.42E-03
5649	482114.64	3852465.37	5.46E-03	2.62E-08	1.17E-05	1.06E-05	5.49E-03	2.58E-03	1.08E-02	8.77E-04	3.87E-04	1.46E-02	2.45E-03	2.15E-08	1.17E-05	1.06E-05	2.47E-03
5650	482181.54	3852535.23	5.61E-03	2.67E-08	1.19E-05	1.11E-05	5.63E-03	2.65E-03	1.10E-02	8.95E-04	4.08E-04	1.50E-02	2.52E-03	2.19E-08	1.19E-05	1.11E-05	2.54E-03
5651	482338.69	3852700.04	5.95E-03	2.85E-08	1.25E-05	1.12E-05	5.97E-03	2.80E-03	1.17E-02	9.41E-04	4.10E-04	1.59E-02	2.67E-03	2.34E-08	1.25E-05	1.12E-05	2.69E-03
5652	482404.05	3852767.78	6.10E-03	2.86E-08	1.28E-05	1.12E-05	6.12E-03	2.88E-03	1.18E-02	9.59E-04	4.09E-04	1.60E-02	2.73E-03	2.34E-08	1.28E-05	1.12E-05	2.76E-03
5653	482469.4	3852835.52	6.25E-03	2.89E-08	1.30E-05	1.14E-05	6.28E-03	2.95E-03	1.19E-02	9.75E-04	4.18E-04	1.62E-02	2.80E-03	2.37E-08	1.30E-05	1.14E-05	2.83E-03
5654	482534.75	3852903.25	6.44E-03	2.91E-08	1.32E-05	1.20E-05	6.46E-03	3.04E-03	1.20E-02	9.92E-04	4.39E-04	1.65E-02	2.89E-03	2.39E-08	1.32E-05	1.20E-05	2.91E-03
5655	482600.11	3852970.98	6.63E-03	2.94E-08	1.36E-05	1.23E-05	6.65E-03	3.12E-03	1.21E-02	1.02E-03	4.53E-04	1.67E-02	2.97E-03	2.41E-08	1.36E-05	1.23E-05	3.00E-03
5656	482706.71	3853119.28	7.07E-03	3.19E-08	1.47E-05	1.36E-05	7.10E-03	3.34E-03	1.31E-02	1.10E-03	4.99E-04	1.81E-02	3.17E-03	2.62E-08	1.47E-05	1.36E-05	3.20E-03
5657	482747.96	3853199.84	7.20E-03	3.32E-08	1.55E-05	1.45E-05	7.23E-03	3.40E-03	1.37E-02	1.16E-03	5.32E-04	1.88E-02	3.23E-03	2.72E-08	1.55E-05	1.45E-05	3.26E-03
5658	482789.21	3853280.4	7.20E-03	3.43E-08	1.64E-05	1.49E-05	7.23E-03	3.40E-03	1.41E-02	1.23E-03	5.46E-04	1.93E-02	3.23E-03	2.81E-08	1.64E-05	1.49E-05	3.26E-03
5659	482830.46	3853360.96	7.23E-03	3.55E-08	1.72E-05	1.55E-05	7.26E-03	3.41E-03	1.46E-02	1.29E-03	5.67E-04	1.99E-02	3.24E-03	2.91E-08	1.72E-05	1.55E-05	3.28E-03
5660	482871.71	3853441.52	7.44E-03	3.65E-08	1.80E-05	1.59E-05	7.48E-03	3.51E-03	1.50E-02	1.35E-03	5.82E-04	2.05E-02	3.34E-03	3.00E-08	1.80E-05	1.59E-05	3.37E-03
5661	482912.95	3853522.07	7.75E-03	3.69E-08	1.87E-05	1.60E-05	7.79E-03	3.66E-03	1.52E-02	1.41E-03	5.87E-04	2.09E-02	3.48E-03	3.03E-08	1.87E-05	1.60E-05	3.51E-03
5662	482954.2	3853602.63	7.55E-03	3.70E-08	1.95E-05	1.49E-05	7.58E-03	3.56E-03	1.53E-02	1.46E-03	5.47E-04	2.08E-02	3.38E-03	3.04E-08	1.95E-05	1.49E-05	3.42E-03
5663	482995.45	3853683.19	8.04E-03	3.65E-08	2.01E-05	1.50E-05	8.07E-03	3.79E-03	1.50E-02	1.51E-03	5.51E-04	2.09E-02	3.60E-03	3.00E-08	2.01E-05	1.50E-05	3.64E-03
5664	483036.7	3853763.75	7.85E-03	3.60E-08	2.07E-05	1.52E-05	7.88E-03	3.70E-03	1.49E-02	1.55E-03	5.56E-04	2.07E-02	3.52E-03	2.96E-08	2.07E-05	1.52E-05	3.56E-03
5665	483214.2	3853909.91	9.15E-03	3.08E-08	2.11E-05	1.58E-05	9.18E-03	4.31E-03	1.27E-02	1.58E-03	5.79E-04	1.92E-02	4.10E-03	2.53E-08	2.11E-05	1.58E-05	4.14E-03
5666	483307.01	3853910.44	1.04E-02	3.00E-08	2.04E-05	1.61E-05	1.04E-02	4.89E-03	1.24E-02	1.53E-03	5.91E-04	1.94E-02	4.65E-03	2.46E-08	2.04E-05	1.61E-05	4.69E-03
5667	483399.83	3853910.96	1.03E-02	2.87E-08	1.94E-05	1.48E-05	1.03E-02	4.86E-03	1.18E-02	1.45E-03	5.43E-04	1.87E-02	4.62E-03	2.35E-08	1.94E-05	1.48E-05	4.66E-03
5668	483494.52	3854009.24	1.09E-02	2.89E-08	1.99E-05	1.60E-05	1.09E-02	5.12E-03	1.19E-02	1.49E-03	5.87E-04	1.91E-02	4.87E-03	2.37E-08	1.99E-05	1.60E-05	4.91E-03
5669	483496.41	3854106.98	1.19E-02	3.00E-08	2.14E-05	1.64E-05	1.19E-02	5.60E-03	1.24E-02	1.60E-03	6.02E-04	2.02E-02	5.32E-03	2.46E-08	2.14E-05	1.64E-05	5.36E-03

5670	483577.56	3854261.96	1.13E-02	2.88E-08	2.25E-05	2.09E-05	1.13E-02	5.32E-03	1.18E-02	1.69E-03	7.68E-04	1.96E-02	5.05E-03	2.36E-08	2.25E-05	2.09E-05	5.10E-03
5671	483656.83	3854319.19	1.21E-02	2.76E-08	2.27E-05	1.73E-05	1.21E-02	5.69E-03	1.14E-02	1.70E-03	6.33E-04	1.94E-02	5.41E-03	2.27E-08	2.27E-05	1.73E-05	5.45E-03
5672	483736.1	3854376.41	1.31E-02	2.51E-08	2.28E-05	2.20E-05	1.31E-02	6.18E-03	1.03E-02	1.71E-03	8.07E-04	1.90E-02	5.87E-03	2.06E-08	2.28E-05	2.20E-05	5.92E-03
5673	483815.36	3854433.64	1.38E-02	2.31E-08	2.30E-05	1.95E-05	1.38E-02	6.50E-03	9.53E-03	1.72E-03	7.13E-04	1.85E-02	6.19E-03	1.90E-08	2.30E-05	1.95E-05	6.23E-03
5674	483894.63	3854490.87	1.42E-02	2.21E-08	2.31E-05	2.12E-05	1.42E-02	6.70E-03	9.09E-03	1.73E-03	7.78E-04	1.83E-02	6.37E-03	1.81E-08	2.31E-05	2.12E-05	6.41E-03
5675	483973.9	3854548.1	1.54E-02	2.11E-08	2.33E-05	2.66E-05	1.55E-02	7.28E-03	8.71E-03	1.74E-03	9.74E-04	1.87E-02	6.92E-03	1.73E-08	2.33E-05	2.66E-05	6.97E-03
5676	484053.17	3854605.32	1.49E-02	2.05E-08	2.34E-05	3.64E-05	1.50E-02	7.04E-03	8.46E-03	1.75E-03	1.33E-03	1.86E-02	6.70E-03	1.69E-08	2.34E-05	3.64E-05	6.76E-03
5677	484214.97	3854698.15	1.28E-02	1.93E-08	2.33E-05	3.75E-05	1.28E-02	6.01E-03	7.93E-03	1.75E-03	1.37E-03	1.71E-02	5.72E-03	1.58E-08	2.33E-05	3.75E-05	5.78E-03
5678	484297.5	3854733.74	1.38E-02	1.88E-08	2.29E-05	3.90E-05	1.39E-02	6.52E-03	7.75E-03	1.72E-03	1.43E-03	1.74E-02	6.20E-03	1.54E-08	2.29E-05	3.90E-05	6.26E-03
5679	484380.03	3854769.34	1.43E-02	1.82E-08	2.25E-05	3.65E-05	1.43E-02	6.73E-03	7.49E-03	1.68E-03	1.34E-03	1.72E-02	6.40E-03	1.49E-08	2.25E-05	3.65E-05	6.46E-03
5680	484462.56	3854804.94	1.54E-02	1.92E-08	2.19E-05	3.68E-05	1.55E-02	7.26E-03	7.89E-03	1.64E-03	1.35E-03	1.82E-02	6.91E-03	1.57E-08	2.19E-05	3.68E-05	6.96E-03
5681	484545.09	3854840.53	1.60E-02	1.95E-08	2.12E-05	3.29E-05	1.60E-02	7.53E-03	8.03E-03	1.59E-03	1.21E-03	1.84E-02	7.16E-03	1.60E-08	2.12E-05	3.29E-05	7.21E-03
5682	484691.88	3854912.58	1.85E-02	2.03E-08	2.04E-05	2.65E-05	1.86E-02	8.74E-03	8.38E-03	1.53E-03	9.71E-04	1.96E-02	8.31E-03	1.67E-08	2.04E-05	2.65E-05	8.36E-03
5683	484830.81	3855012.51	2.05E-02	2.24E-08	2.21E-05	3.34E-05	2.05E-02	9.66E-03	9.21E-03	1.66E-03	1.23E-03	2.18E-02	9.19E-03	1.83E-08	2.21E-05	3.34E-05	9.24E-03
5684	484905.48	3855075.97	2.86E-02	2.54E-08	2.28E-05	3.37E-05	2.87E-02	1.35E-02	1.05E-02	1.71E-03	1.23E-03	2.69E-02	1.28E-02	2.08E-08	2.28E-05	3.37E-05	1.29E-02
5685	484980.14	3855139.44	3.91E-02	2.59E-08	2.34E-05	3.36E-05	3.92E-02	1.84E-02	1.07E-02	1.75E-03	1.23E-03	3.21E-02	1.75E-02	2.13E-08	2.34E-05	3.36E-05	1.76E-02
5686	485054.81	3855202.91	4.54E-02	2.67E-08	2.37E-05	3.16E-05	4.55E-02	2.14E-02	1.10E-02	1.78E-03	1.16E-03	3.54E-02	2.04E-02	2.20E-08	2.37E-05	3.16E-05	2.04E-02
5687	485129.48	3855266.37	4.62E-02	2.65E-08	2.44E-05	4.26E-05	4.63E-02	2.18E-02	1.09E-02	1.83E-03	1.56E-03	3.61E-02	2.07E-02	2.17E-08	2.44E-05	4.26E-05	2.08E-02
5688	485204.15	3855329.84	5.39E-02	2.83E-08	2.53E-05	3.88E-05	5.39E-02	2.54E-02	1.17E-02	1.90E-03	1.42E-03	4.04E-02	2.42E-02	2.33E-08	2.53E-05	3.88E-05	2.42E-02
5689	485278.82	3855393.31	5.65E-02	2.98E-08	2.63E-05	5.16E-05	5.65E-02	2.66E-02	1.23E-02	1.97E-03	1.89E-03	4.28E-02	2.53E-02	2.45E-08	2.63E-05	5.16E-05	2.54E-02
5690	485353.48	3855456.77	6.19E-02	3.24E-08	2.72E-05	5.85E-05	6.20E-02	2.92E-02	1.33E-02	2.04E-03	2.14E-03	4.67E-02	2.78E-02	2.66E-08	2.72E-05	5.85E-05	2.79E-02
5691	485428.15	3855520.24	6.37E-02	3.39E-08	2.81E-05	4.70E-05	6.38E-02	3.01E-02	1.40E-02	2.10E-03	1.72E-03	4.79E-02	2.86E-02	2.78E-08	2.81E-05	4.70E-05	2.87E-02
5692	485502.82	3855583.71	6.57E-02	3.50E-08	2.89E-05	6.12E-05	6.58E-02	3.10E-02	1.44E-02	2.17E-03	2.24E-03	4.98E-02	2.95E-02	2.87E-08	2.89E-05	6.12E-05	2.95E-02
5693	485577.49	3855647.17	7.03E-02	3.79E-08	2.99E-05	5.06E-05	7.04E-02	3.32E-02	1.56E-02	2.24E-03	1.86E-03	5.29E-02	3.15E-02	3.11E-08	2.99E-05	5.06E-05	3.16E-02
5694	485652.16	3855710.64	7.46E-02	4.12E-08	3.08E-05	5.39E-05	7.47E-02	3.52E-02	1.70E-02	2.31E-03	1.98E-03	5.65E-02	3.34E-02	3.38E-08	3.08E-05	5.39E-05	3.35E-02
5695	485726.83	3855774.1	7.84E-02	4.34E-08	3.18E-05	5.79E-05	7.85E-02	3.70E-02	1.79E-02	2.39E-03	2.12E-03	5.94E-02	3.52E-02	3.56E-08	3.18E-05	5.79E-05	3.52E-02
5696	485801.49	3855837.57	7.70E-02	4.32E-08	3.28E-05	4.87E-05	7.71E-02	3.63E-02	1.78E-02	2.46E-03	1.79E-03	5.83E-02	3.45E-02	3.54E-08	3.28E-05	4.87E-05	3.46E-02
5697	485876.16	3855901.04	8.07E-02	4.40E-08	3.39E-05	5.83E-05	8.08E-02	3.81E-02	1.81E-02	2.54E-03	2.14E-03	6.09E-02	3.62E-02	3.61E-08	3.39E-05	5.83E-05	3.63E-02
5698	485950.83	3855964.5	7.75E-02	4.30E-08	3.50E-05	6.02E-05	7.76E-02	3.65E-02	1.77E-02	2.63E-03	2.21E-03	5.91E-02	3.47E-02	3.53E-08	3.50E-05	6.02E-05	3.48E-02
5699	486025.5	3856027.97	7.43E-02	4.20E-08	3.62E-05	5.91E-05	7.44E-02	3.50E-02	1.73E-02	2.71E-03	2.17E-03	5.72E-02	3.33E-02	3.45E-08	3.62E-05	5.91E-05	3.34E-02
5700	486100.17	3856091.44	8.17E-02	4.76E-08	3.74E-05	5.06E-05	8.18E-02	3.85E-02	1.96E-02	2.81E-03	1.86E-03	6.28E-02	3.67E-02	3.91E-08	3.74E-05	5.06E-05	3.67E-02
5701	486174.83	3856154.9	7.62E-02	4.64E-08	3.87E-05	4.60E-05	7.63E-02	3.60E-02	1.91E-02	2.90E-03	1.69E-03	5.97E-02	3.42E-02	3.81E-08	3.87E-05	4.60E-05	3.43E-02
5702	486249.5	3856218.37	6.64E-02	4.23E-08	4.00E-05	5.10E-05	6.65E-02	3.13E-02	1.74E-02	3.00E-03	1.87E-03	5.36E-02	2.98E-02	3.47E-08	4.00E-05	5.10E-05	2.99E-02
5703	486324.17	3856281.84	5.95E-02	4.08E-08	4.12E-05	4.82E-05	5.96E-02	2.81E-02	1.68E-02	3.09E-03	1.77E-03	4.98E-02	2.67E-02	3.35E-08	4.12E-05	4.82E-05	2.68E-02
5704	486398.84	3856345.3	6.17E-02	4.28E-08	4.18E-05	4.76E-05	6.18E-02	2.91E-02	1.76E-02	3.14E-03	1.74E-03	5.16E-02	2.77E-02	3.51E-08	4.18E-05	4.76E-05	2.78E-02
5705	486473.51	3856408.77	6.16E-02	4.42E-08	4.44E-05	4.69E-05	6.17E-02	2.90E-02	1.82E-02	3.33E-03	1.72E-03	5.23E-02	2.76E-02	3.63E-08	4.44E-05	4.69E-05	2.77E-02
5706	486548.17	3856472.24	6.39E-02	4.69E-08	4.61E-05	4.68E-05	6.40E-02	3.01E-02	1.93E-02	3.46E-03	1.72E-03	5.46E-02	2.87E-02	3.84E-08	4.61E-05	4.68E-05	2.87E-02
5707	486622.84	3856535.7	6.66E-02	4.91E-08	4.85E-05	5.15E-05	6.67E-02	3.14E-02	2.02E-02	3.63E-03	1.89E-03	5.72E-02	2.99E-02	4.03E-08	4.85E-05	5.15E-05	3.00E-02
5708	486765.48	3856659.69	7.36E-02	5.60E-08	5.14E-05	5.37E-05	7.37E-02	3.47E-02	2.31E-02	3.85E-03	1.97E-03	6.36E-02	3.30E-02	4.60E-08	5.14E-05	5.37E-05	3.31E-02
5709	486833.44	3856720.2	7.66E-02	5.85E-08	5.32E-05	4.92E-05	7.67E-02	3.61E-02	2.41E-02	3.99E-03	1.81E-03	6.60E-02	3.43E-02	4.80E-08	5.32E-05	4.92E-05	3.44E-02
5710	486901.41	3856780.72	7.71E-02	6.34E-08	5.51E-05	4.54E-05	7.72E-02	3.64E-02	2.61E-02	4.14E-03	1.66E-03	6.83E-02	3.46E-02	5.20E-08	5.51E-05	4.54E-05	3.47E-02
5711	486969.38	3856841.24	7.64E-02	6.75E-08	5.73E-05	4.37E-05	7.65E-02	3.60E-02	2.78E-02	4.29E-03	1.60E-03	6.98E-02	3.43E-02	5.54E-08	5.73E-05	4.37E-05	3.44E-02
5712	487037.34	3856901.75	7.59E-02	7.08E-08	5.95E-05	4.17E-05	7.60E-02	3.58E-02	2.92E-02	4.47E-03	1.53E-03	7.10E-02	3.40E-02	5.81E-08	5.95E-05	4.17E-05	3.41E-02
5713	487271.23	3856855.51	4.90E-02	6.60E-08	6.72E-05	4.02E-05	4.91E-02	2.31E-02	2.72E-02	5.04E-03	1.48E-03	5.68E-02	2.20E-02	5.42E-08	6.72E-05	4.02E-05	2.21E-02
5714	487368.96	3856857.29	4.32E-02	6.46E-08	6.18E-05	3.94E-05	4.33E-02	2.04E-02	2.66E-02	4.64E-03	1.44E-03	5.31E-02	1.94E-02	5.30E-08	6.18E-05	3.94E-05	1.95E-02
5715	487466.68	3856859.06	3.84E-02	6.42E-08	7.70E-05	3.84E-05	3.85E-02	1.81E-02	2.65E-02	5.78E-03	1.41E-03	5.17E-02	1.72E-02	5.27E-08	7.70E-05	3.84E-05	1.73E-02
5716	487636.44	3856930	3.19E-02	6.59E-08	1.01E-04	3.40E-05	3.20E-02	1.50E-02	2.71E-02	7.60E-03	1.25E-03	5.10E-02	1.43E-02	5.41E-08	1.01E-04	3.40E-05	1.44E-02
5717	487709.57	3856928.43	2.98E-02	6.60E-08	1.12E-04	3.30E-05	2.99E-02	1.40E-02	2.72E-02	8.40E-03	1.21E-03	5.09E-02	1.34E-02	5.42E-08	1.12E-04	3.30E-05	1.35E-02
5718	487782.54	3856841.96	2.84E-02	6.14E-08	1.08E-04	2.82E-05	2.85E-02	1.34E-02	2.53E-02	8.12E-03	1.04E-03	4.78E-02	1.27E-02	5.04E-08	1.08E-04	2.82E-05	1.29E-02
5719	487849.83	3856754.74	2.64E-02	5.86E-08	1.12E-04	2.78E-05	2.66E-02	1.25E-02	2.41E-02	8.37E-03	1.02E-03	4.60E-02	1.18E-02	4.81E-08	1.12E-04	2.78E-05	1.20E-02
5720	487918.03	3856819.39	2.54E-02	6.08E-08	1.04E-04	2.73E-05	2.55E-02	1.20E-02	2.50E-02	7.77E-03	9.99E-04	4.58E-02	1.14E-02	4.99E-08	1.04E-04	2.73E-05	1.15E-02
5721	487918.8	3856886.37	2.50E-02	6.46E-08	1.04E-04	2.78E-05	2.51E-02	1.18E-02	2.66E-02	7.81E-03	1.02E-03	4.72E-02	1.12E-02	5.30E-08	1.04E-04	2.78E-05	1.13E-02
5722	488065.47	3857127.5	2.04E-02	7.67E-08	1.17E-04	2.56E-05	2.06E-02	9.63E-03	3.16E-02	8.74E-03	9.39E-04	5.09E-02	9.15E-03	6.30E-08	1.17E-04	2.56E-05	9.30E-03
5723	488192.19	3857385.83	1.65E-02	8.79E-08	1.61E-04	2.36E-05	1.67E-02	7.81E-03	3.62E-02	1.20E-02	8.65E-04	5.69E-02	7.42E-03	7.21E-08	1.61E-04	2.36E-05	7.61E-03
5724	488191.22	3857473.87	1.75E-02	9.41E-08	1.80E-04	2.18E-05	1.77E-02	8.27E-03	3.88E-02	1.35E-02	7.98E-04	6.14E-02	7.87E-03	7.72E-08	1.80E-04	2.18E-05	8.07E-03
5725	488190.24	3857561.9	1.58E-02	9.68E-08	2.05E-04	2.32E-05	1.61E-02	7.46E-03	3.99E-02	1.54E-02	8.52E-04	6.36E-02	7.10E-03	7.94E-08	2.05E-04	2.32E-05	7.32E-03
5726	488158.35	3857691.13	1.32E-02	1.03E-07	3.18E-04	2.27E-05	1.36E-02	6.23E-03	4.24E-02	2.38E-02	8.31E-04	7.33E-02	5.93E-03	8.45E-08	3.18E-04	2.27E-05	6.27E-03
5727	488208.37	3857816.66	1.16E-02	1.04E-07	5.94E-04	2.51E-05	1.22E-02	5.46E-03	4.29E-02	4.45E-02	9.19E-04	9.38E-02	5.20E-03	8.55E-08	5.94E-04	2.51E-05	5.81E-03
5728	488271.97	3857874.6	1.10E-02	1.03E-07	1.03E-03	2.18E-05	1.21E-02	5.19E-03	4.25E-02	7.74E-02	8.01E-04	1.26E-01	4.94E-03	8.47E-08	1.03E-03	2.18E-05	5.99E-03
5729	488463.56	3857942.31	9.37E-03	1.05E-07	8.89E-04	2.36E-05	1.03E-02	4.42E-03	4.31E-02	6.67E-02	8.66E-04	1.15E-01	4.20E-03	8.59E-08	8.89E-04	2.36E-05	5.12E-03
5730	488554.83	3857940.83	9.87E-03	1.07E-07	7.18E-04	2.26E-05	1.06E-02	4.66E-03	4.39E-02	5.38E-02	8.28E-04	1.03E-01	4.43E-03	8.74E-08	7.18E-04	2.26E-05	5.17E-03

5731	488646.1	3857939.36	9.69E-03	1.06E-07	6.09E-04	2.42E-05	1.03E-02	4.57E-03	4.36E-02	4.57E-02	8.88E-04	9.47E-02	4.35E-03	8.68E-08	6.09E-04	2.42E-05	4.98E-03
5732	488737.37	3857937.88	9.40E-03	1.06E-07	4.98E-04	2.36E-05	9.92E-03	4.43E-03	4.37E-02	3.73E-02	8.64E-04	8.64E-02	4.22E-03	8.71E-08	4.98E-04	2.36E-05	4.74E-03
5733	488733.59	3857960.57	9.38E-03	1.07E-07	5.30E-04	2.53E-05	9.94E-03	4.42E-03	4.41E-02	3.98E-02	9.29E-04	8.93E-02	4.21E-03	8.79E-08	5.30E-04	2.53E-05	4.76E-03
5734	488638.09	3857961.57	9.59E-03	1.06E-07	6.03E-04	2.42E-05	1.02E-02	4.52E-03	4.39E-02	4.53E-02	8.88E-04	9.45E-02	4.30E-03	8.74E-08	6.03E-04	2.42E-05	4.93E-03
5735	488542.6	3857962.56	9.69E-03	1.08E-07	7.69E-04	2.29E-05	1.05E-02	4.57E-03	4.44E-02	5.77E-02	8.39E-04	1.07E-01	4.35E-03	8.84E-08	7.69E-04	2.29E-05	5.14E-03
5736	488447.1	3857963.56	9.55E-03	1.05E-07	9.63E-04	2.32E-05	1.05E-02	4.50E-03	4.34E-02	7.22E-02	8.51E-04	1.21E-01	4.28E-03	8.64E-08	9.63E-04	2.32E-05	5.27E-03
5737	488254.28	3857890.36	1.13E-02	1.04E-07	1.10E-03	2.30E-05	1.24E-02	5.34E-03	4.30E-02	8.23E-02	8.42E-04	1.32E-01	5.08E-03	8.57E-08	1.10E-03	2.30E-05	6.20E-03
5738	488191.69	3857833.06	1.19E-02	1.05E-07	6.11E-04	2.41E-05	1.25E-02	5.60E-03	4.33E-02	4.58E-02	8.83E-04	9.56E-02	5.32E-03	8.63E-08	6.11E-04	2.41E-05	5.96E-03
5739	488129.5	3857907.43	1.26E-02	1.10E-07	6.25E-04	2.76E-05	1.33E-02	5.94E-03	4.55E-02	4.68E-02	1.01E-03	9.93E-02	5.65E-03	9.06E-08	6.25E-04	2.76E-05	6.30E-03
5740	488196.47	3857968.73	1.18E-02	1.11E-07	1.12E-03	2.64E-05	1.30E-02	5.58E-03	4.57E-02	8.40E-02	9.69E-04	1.36E-01	5.31E-03	9.10E-08	1.12E-03	2.64E-05	6.45E-03
5741	488263.44	3858030.04	1.12E-02	1.14E-07	1.68E-03	3.31E-05	1.29E-02	5.27E-03	4.69E-02	1.26E-01	1.21E-03	1.79E-01	5.01E-03	9.35E-08	1.68E-03	3.31E-05	6.72E-03
5742	488400.64	3858132.9	9.94E-03	1.22E-07	1.50E-03	3.14E-05	1.15E-02	4.69E-03	5.03E-02	1.12E-01	1.15E-03	1.69E-01	4.46E-03	1.00E-07	1.50E-03	3.14E-05	5.99E-03
5743	488519.89	3858218.38	9.01E-03	1.38E-07	8.65E-04	3.36E-05	9.91E-03	4.25E-03	5.68E-02	6.48E-02	1.23E-03	1.27E-01	4.04E-03	1.13E-07	8.65E-04	3.36E-05	4.94E-03
5744	488647.97	3858214.99	8.67E-03	1.33E-07	6.86E-04	2.97E-05	9.38E-03	4.09E-03	5.48E-02	5.14E-02	1.09E-03	1.11E-01	3.89E-03	1.09E-07	6.86E-04	2.97E-05	4.60E-03
5745	488727.05	3858167.67	8.32E-03	1.26E-07	4.94E-04	3.01E-05	8.85E-03	3.93E-03	5.17E-02	3.70E-02	1.10E-03	9.37E-02	3.73E-03	1.03E-07	4.94E-04	3.01E-05	4.26E-03
5746	488806.12	3858120.35	8.18E-03	1.18E-07	4.46E-04	2.99E-05	8.66E-03	3.86E-03	4.87E-02	3.34E-02	1.09E-03	8.71E-02	3.67E-03	9.70E-08	4.46E-04	2.99E-05	4.15E-03
5747	488885.2	3858073.03	8.61E-03	1.12E-07	3.93E-04	2.83E-05	9.03E-03	4.06E-03	4.61E-02	2.95E-02	1.04E-03	8.06E-02	3.86E-03	9.17E-08	3.93E-04	2.83E-05	4.28E-03
5748	489055.76	3857991.17	9.81E-03	1.00E-07	3.50E-04	2.81E-05	1.02E-02	4.63E-03	4.13E-02	2.62E-02	1.03E-03	7.32E-02	4.40E-03	8.22E-08	3.50E-04	2.81E-05	4.78E-03
5749	489245.39	3857944.54	1.01E-02	9.25E-08	3.06E-04	2.76E-05	1.05E-02	4.78E-03	3.81E-02	2.29E-02	1.01E-03	6.68E-02	4.54E-03	7.59E-08	3.06E-04	2.76E-05	4.87E-03
5750	489430.63	3857930.91	9.43E-03	8.78E-08	2.61E-04	2.23E-05	9.71E-03	4.45E-03	3.62E-02	1.96E-02	8.18E-04	6.10E-02	4.23E-03	7.21E-08	2.61E-04	2.23E-05	4.51E-03
5751	489517.74	3857929.36	9.01E-03	8.61E-08	2.49E-04	2.11E-05	9.28E-03	4.25E-03	3.55E-02	1.86E-02	7.75E-04	5.91E-02	4.04E-03	7.06E-08	2.49E-04	2.11E-05	4.31E-03
5752	489604.85	3857927.82	8.56E-03	8.28E-08	2.43E-04	2.05E-05	8.83E-03	4.04E-03	3.41E-02	1.82E-02	7.50E-04	5.71E-02	3.84E-03	6.79E-08	2.43E-04	2.05E-05	4.10E-03
5753	489691.97	3857926.28	8.08E-03	8.23E-08	2.42E-04	1.96E-05	8.35E-03	3.81E-03	3.39E-02	1.82E-02	7.19E-04	5.66E-02	3.63E-03	6.75E-08	2.42E-04	1.96E-05	3.89E-03
5754	489779.08	3857924.73	7.60E-03	8.13E-08	2.32E-04	1.97E-05	7.86E-03	3.59E-03	3.35E-02	1.74E-02	7.24E-04	5.52E-02	3.41E-03	6.67E-08	2.32E-04	1.97E-05	3.66E-03
5755	490017.54	3857875.08	6.78E-03	7.30E-08	2.03E-04	1.94E-05	7.00E-03	3.20E-03	3.01E-02	1.53E-02	7.10E-04	4.92E-02	3.04E-03	5.99E-08	2.03E-04	1.94E-05	3.26E-03
5756	490033.82	3857960.81	6.83E-03	7.65E-08	1.95E-04	2.06E-05	7.04E-03	3.22E-03	3.15E-02	1.46E-02	7.57E-04	5.01E-02	3.06E-03	6.28E-08	1.95E-04	2.06E-05	3.28E-03
5757	489959.15	3857987.49	7.13E-03	8.04E-08	1.97E-04	2.04E-05	7.34E-03	3.36E-03	3.31E-02	1.48E-02	7.47E-04	5.20E-02	3.20E-03	6.60E-08	1.97E-04	2.04E-05	3.41E-03
5758	489791.49	3858016.12	8.23E-03	8.41E-08	2.14E-04	1.97E-05	8.46E-03	3.88E-03	3.46E-02	1.61E-02	7.22E-04	5.53E-02	3.69E-03	6.90E-08	2.14E-04	1.97E-05	3.92E-03
5759	489698.51	3858018.07	8.67E-03	8.65E-08	2.21E-04	2.02E-05	8.91E-03	4.09E-03	3.56E-02	1.66E-02	7.39E-04	5.70E-02	3.89E-03	7.10E-08	2.21E-04	2.02E-05	4.13E-03
5760	489605.52	3858020.02	9.07E-03	8.84E-08	2.33E-04	2.13E-05	9.33E-03	4.28E-03	3.64E-02	1.75E-02	7.80E-04	5.89E-02	4.07E-03	7.26E-08	2.33E-04	2.13E-05	4.32E-03
5761	489512.53	3858021.96	9.41E-03	8.96E-08	2.48E-04	2.11E-05	9.67E-03	4.44E-03	3.69E-02	1.86E-02	7.73E-04	6.07E-02	4.22E-03	7.35E-08	2.48E-04	2.11E-05	4.49E-03
5762	489419.55	3858023.91	9.63E-03	9.16E-08	2.55E-04	2.07E-05	9.90E-03	4.54E-03	3.77E-02	1.91E-02	7.60E-04	6.22E-02	4.32E-03	7.52E-08	2.55E-04	2.07E-05	4.59E-03
5763	489228.47	3858041.29	9.68E-03	9.72E-08	2.93E-04	2.34E-05	1.00E-02	4.57E-03	4.00E-02	2.20E-02	8.58E-04	6.75E-02	4.34E-03	7.97E-08	2.93E-04	2.34E-05	4.66E-03
5764	489065.75	3858085.78	8.53E-03	1.06E-07	3.45E-04	2.56E-05	8.90E-03	4.02E-03	4.39E-02	2.59E-02	9.37E-04	7.47E-02	3.82E-03	8.74E-08	3.45E-04	2.56E-05	4.19E-03
5765	489001.12	3858114.86	8.34E-03	1.11E-07	3.62E-04	2.59E-05	8.73E-03	3.93E-03	4.59E-02	2.72E-02	9.49E-04	7.79E-02	3.74E-03	9.14E-08	3.62E-04	2.59E-05	4.13E-03
5766	488861.89	3858189.81	7.68E-03	1.19E-07	4.32E-04	2.67E-05	8.14E-03	3.62E-03	4.92E-02	3.24E-02	9.79E-04	8.62E-02	3.45E-03	9.80E-08	4.32E-04	2.67E-05	3.90E-03
5767	488787.28	3858235.69	8.12E-03	1.28E-07	4.44E-04	2.68E-05	8.59E-03	3.83E-03	5.28E-02	3.33E-02	9.81E-04	9.09E-02	3.64E-03	1.05E-07	4.44E-04	2.68E-05	4.11E-03
5768	488712.68	3858281.57	8.55E-03	1.35E-07	5.77E-04	2.71E-05	9.15E-03	4.03E-03	5.57E-02	4.33E-02	9.95E-04	1.04E-01	3.83E-03	1.11E-07	5.77E-04	2.71E-05	4.44E-03
5769	488654.39	3858436.17	8.30E-03	1.60E-07	3.43E-04	2.94E-05	8.67E-03	3.91E-03	6.59E-02	2.57E-02	1.08E-03	9.66E-02	3.72E-03	1.31E-07	3.43E-04	2.94E-05	4.09E-03
5770	488726.3	3858505.26	7.94E-03	1.66E-07	2.63E-04	3.26E-05	8.23E-03	3.74E-03	6.83E-02	1.97E-02	1.19E-03	9.29E-02	3.56E-03	1.36E-07	2.63E-04	3.26E-05	3.85E-03
5771	488880.6	3858599.28	7.27E-03	1.85E-07	2.21E-04	3.12E-05	7.52E-03	3.43E-03	7.62E-02	1.66E-02	1.14E-03	9.74E-02	3.26E-03	1.52E-07	2.21E-04	3.12E-05	3.51E-03
5772	489008.06	3858714.75	6.78E-03	2.06E-07	1.49E-04	3.32E-05	6.96E-03	3.20E-03	8.48E-02	1.12E-02	1.22E-03	1.00E-01	3.04E-03	1.69E-07	1.49E-04	3.32E-05	3.22E-03
5773	489071.48	3858772.72	6.55E-03	2.10E-07	1.32E-04	3.20E-05	6.72E-03	3.09E-03	8.64E-02	9.89E-03	1.17E-03	1.01E-01	2.94E-03	1.72E-07	1.32E-04	3.20E-05	3.10E-03
5774	489244.59	3858920.19	6.14E-03	2.30E-07	1.21E-04	3.04E-05	6.30E-03	2.90E-03	9.48E-02	9.04E-03	1.11E-03	1.08E-01	2.76E-03	1.89E-07	1.21E-04	3.04E-05	2.91E-03
5775	489239.69	3858952.23	6.56E-03	2.37E-07	1.10E-04	3.16E-05	6.71E-03	3.10E-03	9.77E-02	8.23E-03	1.16E-03	1.10E-01	2.94E-03	1.95E-07	1.10E-04	3.16E-05	3.09E-03
5776	489121.67	3858854.49	6.82E-03	2.28E-07	1.24E-04	3.36E-05	6.98E-03	3.22E-03	9.37E-02	9.27E-03	1.23E-03	1.07E-01	3.06E-03	1.87E-07	1.24E-04	3.36E-05	3.22E-03
5777	489059.59	3858797.27	6.89E-03	2.18E-07	1.17E-04	3.36E-05	7.04E-03	3.25E-03	8.98E-02	8.76E-03	1.23E-03	1.03E-01	3.09E-03	1.79E-07	1.17E-04	3.36E-05	3.24E-03
5778	488997.52	3858740.04	6.97E-03	2.14E-07	1.35E-04	3.34E-05	7.14E-03	3.29E-03	8.80E-02	1.01E-02	1.23E-03	1.03E-01	3.13E-03	1.75E-07	1.35E-04	3.34E-05	3.29E-03
5779	488935.44	3858682.82	7.04E-03	2.05E-07	1.53E-04	3.37E-05	7.23E-03	3.32E-03	8.45E-02	1.15E-02	1.24E-03	1.01E-01	3.16E-03	1.68E-07	1.53E-04	3.37E-05	3.35E-03
5780	488869.17	3858848.43	7.24E-03	2.91E-07	1.14E-04	3.37E-05	7.39E-03	3.41E-03	1.20E-01	8.52E-03	1.24E-03	1.33E-01	3.25E-03	2.39E-07	1.14E-04	3.37E-05	3.39E-03
5781	488932.48	3858892.69	7.00E-03	3.01E-07	1.03E-04	3.35E-05	7.14E-03	3.30E-03	1.24E-01	7.74E-03	1.23E-03	1.36E-01	3.14E-03	2.47E-07	1.03E-04	3.35E-05	3.28E-03
5782	489063.27	3858977.17	6.49E-03	2.96E-07	9.42E-05	3.40E-05	6.61E-03	3.06E-03	1.22E-01	7.06E-03	1.25E-03	1.33E-01	2.91E-03	2.43E-07	9.42E-05	3.40E-05	3.04E-03
5783	489248.2	3859117.15	5.89E-03	2.77E-07	9.00E-05	2.98E-05	6.01E-03	2.78E-03	1.14E-01	6.75E-03	1.09E-03	1.25E-01	2.64E-03	2.27E-07	9.00E-05	2.98E-05	2.76E-03
5784	489296.25	3859049.22	6.47E-03	2.50E-07	1.01E-04	2.88E-05	6.60E-03	3.05E-03	1.03E-01	7.61E-03	1.06E-03	1.15E-01	2.90E-03	2.05E-07	1.01E-04	2.88E-05	3.03E-03
5785	489353.38	3858993.96	5.75E-03	2.27E-07	1.16E-04	2.84E-05	5.89E-03	2.71E-03	9.36E-02	8.67E-03	1.04E-03	1.06E-01	2.58E-03	1.87E-07	1.16E-04	2.84E-05	2.72E-03
5786	489537.24	3859120.22	5.35E-03	2.14E-07	1.12E-04	3.08E-05	5.49E-03	2.52E-03	8.83E-02	8.38E-03	1.13E-03	1.00E-01	2.40E-03	1.76E-07	1.12E-04	3.08E-05	2.54E-03
5787	489726.98	3859246.04	5.06E-03	2.10E-07	1.10E-04	3.25E-05	5.20E-03	2.38E-03	8.65E-02	8.25E-03	1.19E-03	9.83E-02	2.27E-03	1.72E-07	1.10E-04	3.25E-05	2.41E-03
5788	489911.46	3859366.33	4.62E-03	1.98E-07	1.09E-04	2.89E-05	4.76E-03	2.18E-03	8.15E-02	8.21E-03	1.06E-03	9.29E-02	2.07E-03	1.62E-07	1.09E-04	2.89E-05	2.21E-03
5789	490035.3	3859430.26	4.32E-03	1.87E-07	1.03E-04	2.84E-05	4.46E-03	2.04E-03	7.72E-02	7.74E-03	1.04E-03	8.80E-02	1.94E-03	1.54E-07	1.03E-04	2.84E-05	2.07E-03
5790	490101.11	3859458.61	4.25E-03	1.81E-07	1.01E-04	2.81E-05	4.38E-03	2.00E-03	7.44E-02	7.61E-03	1.03E-03	8.50E-02	1.91E-03	1.48E-07	1.01E-04	2.81E-05	2.04E-03
5791	490312.68	3859560.3	4.03E-03	1.61E-07	9.68E-05	2.76E-05	4.16E-03	1.90E-03	6.64E-02	7.26E-03	1.01E-03	7.65E-02	1.81E-03	1.32E-07	9.68E-05	2.76E-05	1.93E-03

5792	490401.63	3859603.12	3.94E-03	1.55E-07	9.38E-05	2.62E-05	4.06E-03	1.86E-03	6.37E-02	7.04E-03	9.61E-04	7.36E-02	1.77E-03	1.27E-07	9.38E-05	2.62E-05	1.89E-03
5793	490490.57	3859645.94	3.83E-03	1.48E-07	9.25E-05	2.65E-05	3.95E-03	1.81E-03	6.10E-02	6.93E-03	9.71E-04	7.07E-02	1.72E-03	1.22E-07	9.25E-05	2.65E-05	1.84E-03
5794	490579.51	3859688.76	3.82E-03	1.42E-07	9.15E-05	2.60E-05	3.94E-03	1.80E-03	5.83E-02	6.87E-03	9.53E-04	6.79E-02	1.71E-03	1.16E-07	9.15E-05	2.60E-05	1.83E-03
5795	490668.45	3859731.58	3.84E-03	1.34E-07	9.08E-05	2.61E-05	3.96E-03	1.81E-03	5.54E-02	6.81E-03	9.58E-04	6.50E-02	1.72E-03	1.10E-07	9.08E-05	2.61E-05	1.84E-03
5796	490757.4	3859774.4	3.83E-03	1.32E-07	8.95E-05	2.60E-05	3.94E-03	1.80E-03	5.42E-02	6.72E-03	9.55E-04	6.37E-02	1.72E-03	1.08E-07	8.95E-05	2.60E-05	1.83E-03
5797	491003.53	3859861.82	3.61E-03	1.21E-07	9.00E-05	2.59E-05	3.73E-03	1.70E-03	4.99E-02	6.75E-03	9.49E-04	5.93E-02	1.62E-03	9.94E-08	9.00E-05	2.59E-05	1.74E-03
5798	491081.41	3859879.05	3.52E-03	1.19E-07	9.70E-05	2.56E-05	3.64E-03	1.66E-03	4.92E-02	7.28E-03	9.39E-04	5.90E-02	1.58E-03	9.79E-08	9.70E-05	2.56E-05	1.70E-03
5799	491229.76	3859917.82	3.44E-03	1.16E-07	9.20E-05	2.46E-05	3.55E-03	1.62E-03	4.78E-02	6.90E-03	9.03E-04	5.72E-02	1.54E-03	9.52E-08	9.20E-05	2.46E-05	1.66E-03
5800	491300.22	3859939.35	3.40E-03	1.14E-07	8.75E-05	2.41E-05	3.51E-03	1.60E-03	4.72E-02	6.56E-03	8.84E-04	5.62E-02	1.52E-03	9.39E-08	8.75E-05	2.41E-05	1.64E-03
5801	491350.48	3860012.03	3.21E-03	1.13E-07	8.42E-05	2.48E-05	3.32E-03	1.51E-03	4.64E-02	6.31E-03	9.10E-04	5.52E-02	1.44E-03	9.25E-08	8.42E-05	2.48E-05	1.55E-03
5802	491406.82	3860092.56	3.14E-03	1.11E-07	7.96E-05	2.56E-05	3.24E-03	1.48E-03	4.58E-02	5.97E-03	9.38E-04	5.42E-02	1.41E-03	9.13E-08	7.96E-05	2.56E-05	1.51E-03
5803	491483.36	3860121.96	3.05E-03	1.08E-07	8.28E-05	2.51E-05	3.16E-03	1.44E-03	4.46E-02	6.21E-03	9.21E-04	5.32E-02	1.37E-03	8.88E-08	8.28E-05	2.51E-05	1.48E-03
5804	491559.91	3860151.35	3.05E-03	1.05E-07	7.87E-05	2.41E-05	3.15E-03	1.44E-03	4.33E-02	5.90E-03	8.84E-04	5.15E-02	1.37E-03	8.62E-08	7.87E-05	2.41E-05	1.47E-03
5805	491711.81	3860237.76	3.07E-03	9.48E-08	8.47E-05	2.33E-05	3.18E-03	1.45E-03	3.90E-02	6.35E-03	8.56E-04	4.77E-02	1.38E-03	7.78E-08	8.47E-05	2.33E-05	1.48E-03
5806	491755.2	3860319.07	2.82E-03	9.42E-08	7.37E-05	2.27E-05	2.92E-03	1.33E-03	3.88E-02	5.53E-03	8.33E-04	4.65E-02	1.27E-03	7.73E-08	7.37E-05	2.27E-05	1.36E-03
5807	491704.71	3860366.54	2.82E-03	9.43E-08	6.93E-05	2.32E-05	2.91E-03	1.33E-03	3.89E-02	5.20E-03	8.51E-04	4.62E-02	1.26E-03	7.74E-08	6.93E-05	2.32E-05	1.36E-03
5808	491623.42	3860462.39	2.75E-03	9.22E-08	6.29E-05	2.22E-05	2.84E-03	1.30E-03	3.80E-02	4.72E-03	8.14E-04	4.48E-02	1.24E-03	7.57E-08	6.29E-05	2.22E-05	1.32E-03
5809	491534.02	3860439.85	2.95E-03	9.63E-08	7.52E-05	2.45E-05	3.05E-03	1.39E-03	3.97E-02	5.64E-03	9.00E-04	4.76E-02	1.32E-03	7.90E-08	7.52E-05	2.45E-05	1.42E-03
5810	491313.95	3860268.17	2.97E-03	1.07E-07	6.68E-05	2.36E-05	3.06E-03	1.40E-03	4.40E-02	5.01E-03	8.65E-04	5.12E-02	1.33E-03	8.75E-08	6.68E-05	2.36E-05	1.42E-03
5811	491187.12	3860143.56	3.08E-03	1.18E-07	7.21E-05	2.60E-05	3.18E-03	1.45E-03	4.86E-02	5.41E-03	9.53E-04	5.64E-02	1.38E-03	9.68E-08	7.21E-05	2.60E-05	1.48E-03
5812	491070.43	3860075.97	3.22E-03	1.23E-07	7.41E-05	2.65E-05	3.32E-03	1.52E-03	5.07E-02	5.56E-03	9.71E-04	5.88E-02	1.44E-03	1.01E-07	7.41E-05	2.65E-05	1.54E-03
5813	490995.09	3860039.38	3.30E-03	1.26E-07	7.48E-05	2.67E-05	3.40E-03	1.56E-03	5.18E-02	5.61E-03	9.78E-04	6.00E-02	1.48E-03	1.03E-07	7.48E-05	2.67E-05	1.58E-03
5814	490919.75	3860002.8	3.37E-03	1.27E-07	7.80E-05	2.70E-05	3.48E-03	1.59E-03	5.24E-02	5.85E-03	9.88E-04	6.09E-02	1.51E-03	1.04E-07	7.80E-05	2.70E-05	1.62E-03
5815	490756.81	3859894.53	3.53E-03	1.36E-07	8.57E-05	2.67E-05	3.64E-03	1.66E-03	5.60E-02	6.43E-03	9.80E-04	6.51E-02	1.58E-03	1.12E-07	8.57E-05	2.67E-05	1.69E-03
5816	490668.07	3859860.92	3.48E-03	1.39E-07	8.73E-05	2.71E-05	3.59E-03	1.64E-03	5.71E-02	6.55E-03	9.95E-04	6.63E-02	1.56E-03	1.14E-07	8.73E-05	2.71E-05	1.67E-03
5817	490579.34	3859827.3	3.63E-03	1.41E-07	8.68E-05	2.63E-05	3.74E-03	1.71E-03	5.81E-02	6.51E-03	9.65E-04	6.73E-02	1.63E-03	1.16E-07	8.68E-05	2.63E-05	1.74E-03
5818	490490.6	3859793.68	3.74E-03	1.45E-07	8.84E-05	2.60E-05	3.85E-03	1.76E-03	5.98E-02	6.63E-03	9.53E-04	6.92E-02	1.68E-03	1.19E-07	8.84E-05	2.60E-05	1.79E-03
5819	490401.86	3859760.07	3.90E-03	1.51E-07	8.37E-05	2.63E-05	4.01E-03	1.84E-03	6.23E-02	6.28E-03	9.63E-04	7.14E-02	1.75E-03	1.24E-07	8.37E-05	2.63E-05	1.86E-03
5820	490313.12	3859726.45	4.03E-03	1.58E-07	8.19E-05	2.72E-05	4.14E-03	1.90E-03	6.50E-02	6.14E-03	9.99E-04	7.40E-02	1.81E-03	1.29E-07	8.19E-05	2.72E-05	1.92E-03
5821	490224.39	3859692.83	4.18E-03	1.65E-07	8.27E-05	2.76E-05	4.29E-03	1.97E-03	6.81E-02	6.20E-03	1.01E-03	7.73E-02	1.88E-03	1.36E-07	8.27E-05	2.76E-05	1.99E-03
5822	490135.65	3859659.22	4.30E-03	1.72E-07	8.19E-05	2.84E-05	4.41E-03	2.03E-03	7.10E-02	6.14E-03	1.04E-03	8.02E-02	1.93E-03	1.41E-07	8.19E-05	2.84E-05	2.04E-03
5823	489918.18	3859559.23	5.00E-03	1.93E-07	9.20E-05	3.12E-05	5.13E-03	2.36E-03	7.94E-02	6.90E-03	1.14E-03	8.98E-02	2.24E-03	1.58E-07	9.20E-05	3.12E-05	2.37E-03
5824	489743.61	3859486	4.95E-03	2.10E-07	9.80E-05	3.28E-05	5.08E-03	2.33E-03	8.67E-02	7.35E-03	1.20E-03	9.76E-02	2.22E-03	1.73E-07	9.80E-05	3.28E-05	2.35E-03
5825	489660.32	3859440.27	4.88E-03	2.22E-07	9.78E-05	3.12E-05	5.01E-03	2.30E-03	9.16E-02	7.34E-03	1.15E-03	1.02E-01	2.19E-03	1.82E-07	9.78E-05	3.12E-05	2.32E-03
5826	489577.04	3859394.53	5.03E-03	2.38E-07	9.44E-05	3.35E-05	5.16E-03	2.37E-03	9.82E-02	7.08E-03	1.23E-03	1.09E-01	2.26E-03	1.96E-07	9.44E-05	3.35E-05	2.38E-03
5827	489493.75	3859348.8	5.32E-03	2.54E-07	8.95E-05	3.50E-05	5.45E-03	2.51E-03	1.05E-01	6.71E-03	1.28E-03	1.15E-01	2.39E-03	2.09E-07	8.95E-05	3.50E-05	2.51E-03
5828	489321.28	3859240.02	5.92E-03	2.77E-07	8.70E-05	3.43E-05	6.04E-03	2.79E-03	1.14E-01	6.53E-03	1.26E-03	1.25E-01	2.66E-03	2.28E-07	8.70E-05	3.43E-05	2.78E-03
5829	489235.41	3859193.96	6.29E-03	2.95E-07	8.19E-05	3.48E-05	6.41E-03	2.97E-03	1.21E-01	6.15E-03	1.27E-03	1.32E-01	2.82E-03	2.42E-07	8.19E-05	3.48E-05	2.94E-03
5830	489149.54	3859147.89	6.67E-03	3.23E-07	8.80E-05	3.27E-05	6.80E-03	3.15E-03	1.33E-01	6.60E-03	1.20E-03	1.44E-01	2.99E-03	2.65E-07	8.80E-05	3.27E-05	3.11E-03
5831	489063.68	3859101.82	6.90E-03	3.36E-07	9.31E-05	3.39E-05	7.03E-03	3.26E-03	1.39E-01	6.98E-03	1.24E-03	1.50E-01	3.10E-03	2.76E-07	9.31E-05	3.39E-05	3.22E-03
5832	488977.81	3859055.75	6.80E-03	3.51E-07	9.31E-05	3.80E-05	6.94E-03	3.21E-03	1.45E-01	6.98E-03	1.39E-03	1.56E-01	3.05E-03	2.88E-07	9.31E-05	3.80E-05	3.18E-03
5833	488891.94	3859009.69	6.57E-03	3.85E-07	9.07E-05	3.69E-05	6.70E-03	3.10E-03	1.59E-01	6.80E-03	1.35E-03	1.70E-01	2.95E-03	3.16E-07	9.07E-05	3.69E-05	3.08E-03
5834	488808	3859060.73	6.57E-03	4.81E-07	7.90E-05	3.85E-05	6.69E-03	3.10E-03	1.98E-01	5.93E-03	1.41E-03	2.08E-01	2.95E-03	3.94E-07	7.90E-05	3.85E-05	3.06E-03
5835	488809.93	3859157.85	6.51E-03	4.93E-07	7.05E-05	3.91E-05	6.62E-03	3.07E-03	2.03E-01	5.29E-03	1.43E-03	2.13E-01	2.92E-03	4.04E-07	7.05E-05	3.91E-05	3.03E-03
5836	488811.85	3859254.96	6.23E-03	5.06E-07	7.64E-05	4.55E-05	6.35E-03	2.94E-03	2.09E-01	5.73E-03	1.67E-03	2.19E-01	2.79E-03	4.15E-07	7.64E-05	4.55E-05	2.92E-03
5837	488813.78	3859352.07	6.04E-03	5.14E-07	6.77E-05	4.73E-05	6.15E-03	2.85E-03	2.12E-01	5.08E-03	1.73E-03	2.21E-01	2.71E-03	4.22E-07	6.77E-05	4.73E-05	2.82E-03
5838	488815.71	3859449.19	5.32E-03	5.18E-07	5.82E-05	5.89E-05	5.44E-03	2.51E-03	2.14E-01	4.37E-03	2.16E-03	2.23E-01	2.39E-03	4.25E-07	5.82E-05	5.89E-05	2.50E-03
5839	488910.04	3859547.1	5.15E-03	3.98E-07	5.64E-05	7.24E-05	5.28E-03	2.43E-03	1.64E-01	4.23E-03	2.65E-03	1.73E-01	2.31E-03	3.26E-07	5.64E-05	7.24E-05	2.44E-03
5840	489002.45	3859547.91	5.63E-03	3.52E-07	6.67E-05	6.16E-05	5.76E-03	2.65E-03	1.45E-01	5.00E-03	2.26E-03	1.55E-01	2.52E-03	2.89E-07	6.67E-05	6.16E-05	2.65E-03
5841	489094.85	3859548.71	5.49E-03	3.16E-07	7.93E-05	5.50E-05	5.62E-03	2.59E-03	1.30E-01	5.94E-03	2.02E-03	1.41E-01	2.46E-03	2.59E-07	7.93E-05	5.50E-05	2.60E-03
5842	489230.05	3859601.87	5.46E-03	2.77E-07	8.40E-05	4.83E-05	5.59E-03	2.57E-03	1.14E-01	6.30E-03	1.77E-03	1.25E-01	2.45E-03	2.27E-07	8.40E-05	4.83E-05	2.58E-03
5843	489227.52	3859680.89	5.22E-03	2.54E-07	8.07E-05	5.04E-05	5.35E-03	2.46E-03	1.05E-01	6.06E-03	1.85E-03	1.15E-01	2.34E-03	2.08E-07	8.07E-05	5.04E-05	2.47E-03
5844	489133.47	3859760.29	4.92E-03	2.58E-07	7.42E-05	6.07E-05	5.05E-03	2.32E-03	1.06E-01	5.57E-03	2.22E-03	1.17E-01	2.21E-03	2.12E-07	7.42E-05	6.07E-05	2.34E-03
5845	489041.96	3859760.67	4.52E-03	2.72E-07	5.91E-05	6.89E-05	4.64E-03	2.13E-03	1.12E-01	4.44E-03	2.52E-03	1.21E-01	2.03E-03	2.23E-07	5.91E-05	6.89E-05	2.15E-03
5846	488950.45	3859761.05	4.42E-03	2.91E-07	4.19E-05	7.96E-05	4.55E-03	2.09E-03	1.20E-01	3.14E-03	2.92E-03	1.28E-01	1.98E-03	2.39E-07	4.19E-05	7.96E-05	2.11E-03
5847	488858.94	3859761.43	4.70E-03	2.99E-07	3.33E-05	9.48E-05	4.82E-03	2.21E-03	1.23E-01	2.50E-03	3.48E-03	1.32E-01	2.11E-03	2.46E-07	3.33E-05	9.48E-05	2.23E-03
5848	488767.43	3859761.82	4.72E-03	3.18E-07	3.33E-05	1.19E-04	4.87E-03	2.22E-03	1.31E-01	2.50E-03	4.35E-03	1.40E-01	2.11E-03	2.61E-07	3.33E-05	1.19E-04	2.27E-03
5849	488675.92	3859762.2	4.51E-03	3.51E-07	3.31E-05	1.58E-04	4.70E-03	2.13E-03	1.44E-01	2.48E-03	5.79E-03	1.55E-01	2.02E-03	2.88E-07	3.31E-05	1.58E-04	2.21E-03
5850	488584.41	3859762.58	4.66E-03	3.92E-07	3.21E-05	2.09E-04	4.90E-03	2.20E-03	1.62E-01	2.41E-03	7.67E-03	1.74E-01	2.09E-03	3.22E-07	3.21E-05	2.09E-04	2.33E-03
5851	488492.9	3859762.96	4.96E-03	4.51E-07	2.62E-05	2.72E-04	5.26E-03	2.34E-03	1.86E-01	1.97E-03	9.98E-03	2.00E-01	2.23E-03	3.70E-07	2.62E-05	2.72E-04	2.53E-03
5852	488402.76	3859830.95	4.74E-03	5.56E-07	2.31E-05	4.13E-04	5.18E-03	2.24E-03	2.29E-01	1.73E-03	1.51E-02	2.48E-01	2.13E-03	4.56E-07	2.31E-05	4.13E-04	2.56E-03

5853	488404.14	3859898.55	4.43E-03	5.57E-07	2.55E-05	1.40E-04	4.59E-03	2.09E-03	2.30E-01	1.91E-03	5.13E-03	2.39E-01	1.98E-03	4.57E-07	2.55E-05	1.40E-04	2.15E-03
5854	488505.18	3859964.96	4.53E-03	4.91E-07	2.39E-05	1.26E-04	4.68E-03	2.14E-03	2.02E-01	1.79E-03	4.60E-03	2.11E-01	2.03E-03	4.03E-07	2.39E-05	1.26E-04	2.18E-03
5855	488604.84	3859963.76	4.81E-03	4.64E-07	3.19E-05	1.60E-04	5.00E-03	2.27E-03	1.91E-01	2.39E-03	5.86E-03	2.02E-01	2.16E-03	3.81E-07	3.19E-05	1.60E-04	2.35E-03
5856	488704.51	3859962.56	4.38E-03	4.22E-07	3.39E-05	1.65E-04	4.58E-03	2.07E-03	1.74E-01	2.54E-03	6.03E-03	1.84E-01	1.96E-03	3.46E-07	3.39E-05	1.65E-04	2.16E-03
5857	488804.18	3859961.37	4.29E-03	3.76E-07	3.00E-05	1.30E-04	4.45E-03	2.02E-03	1.55E-01	2.25E-03	4.77E-03	1.64E-01	1.92E-03	3.09E-07	3.00E-05	1.30E-04	2.08E-03
5858	488903.85	3859960.17	4.30E-03	3.31E-07	2.83E-05	1.04E-04	4.44E-03	2.03E-03	1.36E-01	2.12E-03	3.80E-03	1.44E-01	1.93E-03	2.71E-07	2.83E-05	1.04E-04	2.06E-03
5859	489003.52	3859958.97	4.44E-03	3.01E-07	3.11E-05	8.45E-05	4.56E-03	2.10E-03	1.24E-01	2.33E-03	3.10E-03	1.32E-01	1.99E-03	2.47E-07	3.11E-05	8.45E-05	2.11E-03
5860	489103.18	3859957.77	4.08E-03	2.75E-07	4.69E-05	6.96E-05	4.20E-03	1.92E-03	1.13E-01	3.52E-03	2.55E-03	1.21E-01	1.83E-03	2.25E-07	4.69E-05	6.96E-05	1.95E-03
5861	489201.48	3860046.59	3.98E-03	2.72E-07	6.47E-05	6.60E-05	4.11E-03	1.88E-03	1.12E-01	4.85E-03	2.42E-03	1.21E-01	1.79E-03	2.23E-07	6.47E-05	6.60E-05	1.92E-03
5862	489200.11	3860136.61	3.95E-03	2.86E-07	4.77E-05	6.05E-05	4.06E-03	1.86E-03	1.18E-01	3.57E-03	2.22E-03	1.25E-01	1.77E-03	2.34E-07	4.77E-05	6.05E-05	1.88E-03
5863	489198.74	3860226.63	4.12E-03	3.32E-07	3.42E-05	5.66E-05	4.21E-03	1.94E-03	1.37E-01	2.57E-03	2.08E-03	1.43E-01	1.85E-03	2.72E-07	3.42E-05	5.66E-05	1.94E-03
5864	489197.38	3860316.65	3.85E-03	4.59E-07	2.58E-05	5.72E-05	3.93E-03	1.81E-03	1.89E-01	1.93E-03	2.10E-03	1.95E-01	1.73E-03	3.77E-07	2.58E-05	5.72E-05	1.81E-03
5865	489196.01	3860406.68	3.69E-03	4.88E-07	2.08E-05	4.58E-05	3.75E-03	1.74E-03	2.01E-01	1.56E-03	1.68E-03	2.06E-01	1.65E-03	4.00E-07	2.08E-05	4.58E-05	1.72E-03
5866	489194.64	3860496.7	3.48E-03	4.62E-07	1.79E-05	4.23E-05	3.54E-03	1.64E-03	1.90E-01	1.34E-03	1.55E-03	1.95E-01	1.56E-03	3.79E-07	1.79E-05	4.23E-05	1.62E-03
5867	489193.27	3860586.72	3.48E-03	3.68E-07	1.87E-05	4.09E-05	3.54E-03	1.64E-03	1.51E-01	1.41E-03	1.50E-03	1.56E-01	1.56E-03	3.02E-07	1.87E-05	4.09E-05	1.62E-03
5868	489092.02	3860678.13	3.72E-03	2.74E-07	2.40E-05	3.64E-05	3.78E-03	1.76E-03	1.13E-01	1.80E-03	1.33E-03	1.18E-01	1.67E-03	2.25E-07	2.40E-05	3.64E-05	1.73E-03
5869	488992.13	3860679.52	3.44E-03	2.77E-07	2.68E-05	3.92E-05	3.50E-03	1.62E-03	1.14E-01	2.01E-03	1.44E-03	1.19E-01	1.54E-03	2.28E-07	2.68E-05	3.92E-05	1.61E-03
5870	488892.24	3860680.92	3.40E-03	2.72E-07	2.14E-05	4.11E-05	3.46E-03	1.60E-03	1.12E-01	1.60E-03	1.51E-03	1.17E-01	1.52E-03	2.24E-07	2.14E-05	4.11E-05	1.59E-03
5871	488792.36	3860682.31	3.52E-03	2.68E-07	2.48E-05	3.98E-05	3.59E-03	1.66E-03	1.10E-01	1.86E-03	1.46E-03	1.15E-01	1.58E-03	2.20E-07	2.48E-05	3.98E-05	1.64E-03
5872	488692.47	3860683.7	3.63E-03	2.59E-07	2.06E-05	4.69E-05	3.70E-03	1.71E-03	1.07E-01	1.54E-03	1.72E-03	1.12E-01	1.63E-03	2.12E-07	2.06E-05	4.69E-05	1.70E-03
5873	488592.59	3860685.1	3.29E-03	2.70E-07	2.32E-05	4.36E-05	3.35E-03	1.55E-03	1.11E-01	1.74E-03	1.60E-03	1.16E-01	1.47E-03	2.22E-07	2.32E-05	4.36E-05	1.54E-03
5874	488492.71	3860686.49	3.19E-03	2.73E-07	3.48E-05	5.26E-05	3.28E-03	1.50E-03	1.13E-01	2.61E-03	1.93E-03	1.19E-01	1.43E-03	2.24E-07	3.48E-05	5.26E-05	1.52E-03
5875	488299.07	3860762.18	3.22E-03	2.36E-07	4.95E-05	2.23E-05	3.29E-03	1.52E-03	9.71E-02	3.72E-03	8.18E-04	1.03E-01	1.44E-03	1.93E-07	4.95E-05	2.23E-05	1.52E-03
5876	488205.32	3860764.09	3.24E-03	2.32E-07	5.71E-05	1.72E-05	3.31E-03	1.53E-03	9.56E-02	4.28E-03	6.31E-04	1.02E-01	1.45E-03	1.90E-07	5.71E-05	1.72E-05	1.53E-03
5877	488111.56	3860766	3.19E-03	2.40E-07	6.05E-05	1.76E-05	3.27E-03	1.51E-03	9.88E-02	4.54E-03	6.46E-04	1.05E-01	1.43E-03	1.97E-07	6.05E-05	1.76E-05	1.51E-03
5878	488017.81	3860767.91	3.04E-03	2.25E-07	4.89E-05	2.15E-05	3.11E-03	1.43E-03	9.29E-02	3.66E-03	7.88E-04	9.87E-02	1.36E-03	1.85E-07	4.89E-05	2.15E-05	1.43E-03
5879	487924.06	3860769.81	2.97E-03	2.10E-07	3.76E-05	2.33E-05	3.03E-03	1.40E-03	8.64E-02	2.82E-03	8.53E-04	9.15E-02	1.33E-03	1.72E-07	3.76E-05	2.33E-05	1.39E-03
5880	487830.31	3860771.72	2.91E-03	2.07E-07	2.86E-05	3.03E-05	2.97E-03	1.37E-03	8.54E-02	2.15E-03	1.11E-03	9.00E-02	1.31E-03	1.70E-07	2.86E-05	3.03E-05	1.37E-03
5881	487736.55	3860773.63	2.97E-03	2.01E-07	2.91E-05	2.91E-05	3.03E-03	1.40E-03	8.26E-02	2.18E-03	1.07E-03	8.73E-02	1.33E-03	1.65E-07	2.91E-05	2.91E-05	1.39E-03
5882	487642.8	3860775.54	3.02E-03	2.04E-07	2.81E-05	3.05E-05	3.08E-03	1.43E-03	8.41E-02	2.11E-03	1.12E-03	8.88E-02	1.36E-03	1.68E-07	2.81E-05	3.05E-05	1.41E-03
5883	487549.48	3860684.71	2.86E-03	2.41E-07	2.97E-05	2.74E-05	2.92E-03	1.35E-03	9.92E-02	2.23E-03	1.00E-03	1.04E-01	1.28E-03	1.98E-07	2.97E-05	2.74E-05	1.34E-03
5884	487549.91	3860591.97	3.13E-03	2.68E-07	2.97E-05	2.74E-05	3.19E-03	1.48E-03	1.10E-01	2.23E-03	1.00E-03	1.15E-01	1.40E-03	2.20E-07	2.97E-05	2.74E-05	1.46E-03
5885	487550.34	3860499.23	3.36E-03	3.07E-07	2.96E-05	2.15E-05	3.41E-03	1.59E-03	1.27E-01	2.22E-03	7.88E-04	1.31E-01	1.51E-03	2.52E-07	2.96E-05	2.15E-05	1.56E-03
5886	487550.76	3860406.49	3.44E-03	3.32E-07	3.00E-05	2.64E-05	3.50E-03	1.62E-03	1.37E-01	2.25E-03	9.67E-04	1.42E-01	1.54E-03	2.73E-07	3.00E-05	2.64E-05	1.60E-03
5887	487551.19	3860313.75	3.50E-03	3.28E-07	2.94E-05	2.96E-05	3.56E-03	1.65E-03	1.35E-01	2.20E-03	1.09E-03	1.40E-01	1.57E-03	2.69E-07	2.94E-05	2.96E-05	1.63E-03
5888	487551.62	3860221.01	3.56E-03	3.44E-07	2.92E-05	2.82E-05	3.62E-03	1.68E-03	1.42E-01	2.19E-03	1.04E-03	1.47E-01	1.60E-03	2.83E-07	2.92E-05	2.82E-05	1.65E-03
5889	487552.05	3860128.27	3.64E-03	3.68E-07	2.89E-05	2.81E-05	3.70E-03	1.72E-03	1.51E-01	2.17E-03	1.03E-03	1.56E-01	1.63E-03	3.02E-07	2.89E-05	2.81E-05	1.69E-03
5890	487552.48	3860035.53	3.93E-03	3.84E-07	3.10E-05	3.07E-05	3.99E-03	1.85E-03	1.58E-01	2.33E-03	1.13E-03	1.63E-01	1.76E-03	3.15E-07	3.10E-05	3.07E-05	1.82E-03
5891	487552.91	3859942.79	4.11E-03	3.92E-07	3.45E-05	3.38E-05	4.18E-03	1.94E-03	1.62E-01	2.59E-03	1.24E-03	1.67E-01	1.84E-03	3.22E-07	3.45E-05	3.38E-05	1.91E-03
5892	487553.33	3859850.05	4.23E-03	3.97E-07	3.19E-05	4.01E-05	4.30E-03	1.99E-03	1.63E-01	2.39E-03	1.47E-03	1.69E-01	1.90E-03	3.26E-07	3.19E-05	4.01E-05	1.97E-03
5893	487553.76	3859757.31	4.33E-03	3.89E-07	3.17E-05	4.51E-05	4.41E-03	2.04E-03	1.60E-01	2.38E-03	1.65E-03	1.66E-01	1.94E-03	3.19E-07	3.17E-05	4.51E-05	2.02E-03
5894	487554.19	3859664.57	4.35E-03	4.00E-07	3.30E-05	5.42E-05	4.44E-03	2.05E-03	1.65E-01	2.48E-03	1.99E-03	1.72E-01	1.95E-03	3.29E-07	3.30E-05	5.42E-05	2.04E-03
5895	487460.2	3859571.05	4.55E-03	3.79E-07	2.61E-05	4.87E-05	4.63E-03	2.15E-03	1.56E-01	1.95E-03	1.79E-03	1.62E-01	2.04E-03	3.11E-07	2.61E-05	4.87E-05	2.12E-03
5896	487365.78	3859570.27	4.43E-03	3.60E-07	2.80E-05	4.24E-05	4.50E-03	2.09E-03	1.48E-01	2.10E-03	1.55E-03	1.54E-01	1.99E-03	2.95E-07	2.80E-05	4.24E-05	2.06E-03
5897	487271.36	3859569.48	4.36E-03	3.54E-07	3.06E-05	3.66E-05	4.43E-03	2.06E-03	1.46E-01	2.30E-03	1.34E-03	1.51E-01	1.96E-03	2.90E-07	3.06E-05	3.66E-05	2.02E-03
5898	487176.94	3859568.7	4.25E-03	3.41E-07	3.38E-05	3.24E-05	4.32E-03	2.01E-03	1.40E-01	2.54E-03	1.19E-03	1.46E-01	1.91E-03	2.80E-07	3.38E-05	3.24E-05	1.97E-03
5899	487082.51	3859567.92	4.11E-03	3.32E-07	4.50E-05	3.07E-05	4.18E-03	1.94E-03	1.37E-01	3.37E-03	1.12E-03	1.43E-01	1.84E-03	2.73E-07	4.50E-05	3.07E-05	1.92E-03
5900	486988.09	3859567.14	3.92E-03	3.25E-07	4.75E-05	3.84E-05	4.00E-03	1.85E-03	1.34E-01	3.56E-03	1.41E-03	1.41E-01	1.76E-03	2.67E-07	4.75E-05	3.84E-05	1.84E-03
5901	486893.67	3859566.36	3.77E-03	3.17E-07	4.50E-05	2.73E-05	3.84E-03	1.78E-03	1.30E-01	3.37E-03	1.00E-03	1.37E-01	1.69E-03	2.60E-07	4.50E-05	2.73E-05	1.76E-03
5902	486799.25	3859565.58	3.73E-03	3.02E-07	5.10E-05	2.48E-05	3.80E-03	1.76E-03	1.24E-01	3.83E-03	9.09E-04	1.31E-01	1.67E-03	2.48E-07	5.10E-05	2.48E-05	1.75E-03
5903	486704.83	3859564.79	3.53E-03	2.84E-07	7.86E-05	2.68E-05	3.64E-03	1.66E-03	1.17E-01	5.89E-03	9.83E-04	1.26E-01	1.58E-03	2.33E-07	7.86E-05	2.68E-05	1.69E-03
5904	486610.41	3859564.01	3.35E-03	2.75E-07	8.09E-05	2.73E-05	3.46E-03	1.58E-03	1.13E-01	6.07E-03	1.00E-03	1.22E-01	1.50E-03	2.26E-07	8.09E-05	2.73E-05	1.61E-03
5905	486515.99	3859563.23	3.30E-03	2.59E-07	6.08E-05	2.43E-05	3.38E-03	1.55E-03	1.07E-01	4.56E-03	8.91E-04	1.14E-01	1.48E-03	2.13E-07	6.08E-05	2.43E-05	1.56E-03
5906	486421.57	3859562.45	3.25E-03	2.49E-07	6.13E-05	2.31E-05	3.33E-03	1.53E-03	1.03E-01	4.60E-03	8.45E-04	1.10E-01	1.46E-03	2.05E-07	6.13E-05	2.31E-05	1.54E-03
5907	486327.14	3859561.67	3.24E-03	2.39E-07	6.08E-05	2.15E-05	3.32E-03	1.53E-03	9.85E-02	4.56E-03	7.90E-04	1.05E-01	1.45E-03	1.96E-07	6.08E-05	2.15E-05	1.53E-03
5908	486232.72	3859560.89	3.17E-03	2.26E-07	7.52E-05	2.15E-05	3.26E-03	1.49E-03	9.30E-02	5.64E-03	7.87E-04	1.01E-01	1.42E-03	1.85E-07	7.52E-05	2.15E-05	1.52E-03
5909	486138.3	3859560.1	3.15E-03	2.18E-07	7.69E-05	2.21E-05	3.25E-03	1.49E-03	8.97E-02	5.77E-03	8.10E-04	9.78E-02	1.41E-03	1.79E-07	7.69E-05	2.21E-05	1.51E-03
5910	486043.88	3859559.32	3.09E-03	2.09E-07	8.66E-05	2.29E-05	3.20E-03	1.46E-03	8.60E-02	6.49E-03	8.39E-04	9.48E-02	1.39E-03	1.71E-07	8.66E-05	2.29E-05	1.50E-03
5911	485949.35	3859463.54	3.19E-03	2.16E-07	9.33E-05	2.06E-05	3.30E-03	1.50E-03	8.90E-02	7.00E-03	7.56E-04	9.83E-02	1.43E-03	1.77E-07	9.33E-05	2.06E-05	1.54E-03
5912	485949.24	3859368.55	3.31E-03	2.30E-07	9.12E-05	1.88E-05	3.42E-03	1.56E-03	9.48E-02	6.84E-03	6.90E-04	1.04E-01	1.48E-03	1.89E-07	9.12E-05	1.88E-05	1.59E-03
5913	485949.12	3859273.55	3.46E-03	2.51E-07	9.77E-05	2.09E-05	3.58E-03	1.63E-03	1.03E-01	7.33E-03	7.66E-04	1.13E-01	1.55E-03	2.06E-07	9.77E-05	2.09E-05	1.67E-03

5914	485949.01	3859178.56	3.63E-03	2.70E-07	9.62E-05	2.28E-05	3.75E-03	1.71E-03	1.11E-01	7.22E-03	8.36E-04	1.21E-01	1.63E-03	2.22E-07	9.62E-05	2.28E-05	1.75E-03
5915	485948.9	3859083.56	3.83E-03	2.99E-07	1.00E-04	2.84E-05	3.96E-03	1.80E-03	1.23E-01	7.52E-03	1.04E-03	1.34E-01	1.72E-03	2.45E-07	1.00E-04	2.84E-05	1.84E-03
5916	485948.79	3858988.56	3.99E-03	3.17E-07	8.35E-05	3.38E-05	4.10E-03	1.88E-03	1.31E-01	6.26E-03	1.24E-03	1.40E-01	1.79E-03	2.60E-07	8.35E-05	3.38E-05	1.90E-03
5917	485948.67	3858893.57	4.23E-03	3.18E-07	1.00E-04	4.19E-05	4.37E-03	1.99E-03	1.31E-01	7.52E-03	1.54E-03	1.42E-01	1.90E-03	2.61E-07	1.00E-04	4.19E-05	2.04E-03
5918	485948.56	3858798.57	4.54E-03	3.15E-07	1.08E-04	3.55E-05	4.68E-03	2.14E-03	1.30E-01	8.10E-03	1.30E-03	1.41E-01	2.03E-03	2.59E-07	1.08E-04	3.55E-05	2.18E-03
5919	485948.45	3858703.58	4.82E-03	3.03E-07	1.18E-04	2.99E-05	4.97E-03	2.27E-03	1.25E-01	8.83E-03	1.09E-03	1.37E-01	2.16E-03	2.48E-07	1.18E-04	2.99E-05	2.31E-03
5920	485948.34	3858608.58	5.14E-03	3.00E-07	1.14E-04	3.07E-05	5.28E-03	2.42E-03	1.24E-01	8.56E-03	1.13E-03	1.36E-01	2.30E-03	2.46E-07	1.14E-04	3.07E-05	2.45E-03
5921	485948.22	3858513.59	5.43E-03	3.04E-07	9.09E-05	3.41E-05	5.56E-03	2.56E-03	1.25E-01	6.82E-03	1.25E-03	1.36E-01	2.44E-03	2.50E-07	9.09E-05	3.41E-05	2.56E-03
5922	485948.11	3858418.59	5.66E-03	2.97E-07	7.90E-05	3.25E-05	5.78E-03	2.67E-03	1.22E-01	5.93E-03	1.19E-03	1.32E-01	2.54E-03	2.44E-07	7.90E-05	3.25E-05	2.65E-03
5923	485948	3858323.59	5.88E-03	2.87E-07	8.80E-05	2.32E-05	6.00E-03	2.78E-03	1.18E-01	6.60E-03	8.52E-04	1.29E-01	2.64E-03	2.36E-07	8.80E-05	2.32E-05	2.75E-03
5924	485947.89	3858228.6	6.28E-03	2.79E-07	1.02E-04	2.17E-05	6.40E-03	2.96E-03	1.15E-01	7.66E-03	7.96E-04	1.27E-01	2.81E-03	2.29E-07	1.02E-04	2.17E-05	2.94E-03
5925	485947.77	3858133.6	6.86E-03	2.74E-07	9.54E-05	2.30E-05	6.98E-03	3.23E-03	1.13E-01	7.16E-03	8.43E-04	1.24E-01	3.08E-03	2.25E-07	9.54E-05	2.30E-05	3.19E-03
5926	485947.66	3858038.61	7.56E-03	2.67E-07	9.14E-05	2.37E-05	7.68E-03	3.57E-03	1.10E-01	6.86E-03	8.68E-04	1.21E-01	3.39E-03	2.19E-07	9.14E-05	2.37E-05	3.51E-03
5927	485854.54	3857943.35	7.57E-03	2.41E-07	9.22E-05	2.30E-05	7.69E-03	3.57E-03	9.94E-02	6.92E-03	8.44E-04	1.11E-01	3.40E-03	1.98E-07	9.22E-05	2.30E-05	3.51E-03
5928	485761.52	3857943.09	7.74E-03	2.27E-07	8.98E-05	2.18E-05	7.85E-03	3.65E-03	9.34E-02	6.74E-03	7.98E-04	1.05E-01	3.47E-03	1.86E-07	8.98E-05	2.18E-05	3.58E-03
5929	485668.51	3857942.83	7.58E-03	2.12E-07	8.77E-05	1.99E-05	7.69E-03	3.58E-03	8.75E-02	6.58E-03	7.31E-04	9.84E-02	3.40E-03	1.74E-07	8.77E-05	1.99E-05	3.51E-03
5930	485575.5	3857942.56	7.48E-03	2.01E-07	8.55E-05	2.11E-05	7.58E-03	3.53E-03	8.29E-02	6.41E-03	7.72E-04	9.36E-02	3.35E-03	1.65E-07	8.55E-05	2.11E-05	3.46E-03
5931	485482.48	3857942.3	7.96E-03	1.89E-07	8.35E-05	2.34E-05	8.06E-03	3.75E-03	7.78E-02	6.26E-03	8.56E-04	8.87E-02	3.57E-03	1.55E-07	8.35E-05	2.34E-05	3.68E-03
5932	485389.47	3857942.04	8.05E-03	1.80E-07	8.16E-05	2.19E-05	8.15E-03	3.80E-03	7.42E-02	6.12E-03	8.03E-04	8.49E-02	3.61E-03	1.48E-07	8.16E-05	2.19E-05	3.71E-03
5933	485296.46	3857941.78	7.94E-03	1.75E-07	7.98E-05	2.08E-05	8.04E-03	3.75E-03	7.23E-02	5.99E-03	7.61E-04	8.28E-02	3.56E-03	1.44E-07	7.98E-05	2.08E-05	3.66E-03
5934	485203.45	3857941.52	8.05E-03	1.69E-07	7.82E-05	1.96E-05	8.15E-03	3.80E-03	6.96E-02	5.86E-03	7.19E-04	8.00E-02	3.61E-03	1.39E-07	7.82E-05	1.96E-05	3.71E-03
5935	485110.43	3857941.26	8.06E-03	1.67E-07	7.65E-05	1.87E-05	8.15E-03	3.80E-03	6.90E-02	5.74E-03	6.87E-04	7.92E-02	3.61E-03	1.37E-07	7.65E-05	1.87E-05	3.71E-03
5936	485017.42	3857940.99	8.00E-03	1.65E-07	7.48E-05	1.82E-05	8.09E-03	3.77E-03	6.80E-02	5.61E-03	6.69E-04	7.81E-02	3.59E-03	1.35E-07	7.48E-05	1.82E-05	3.68E-03
5937	484924.41	3857940.73	7.92E-03	1.61E-07	7.32E-05	1.73E-05	8.01E-03	3.74E-03	6.63E-02	5.49E-03	6.36E-04	7.62E-02	3.55E-03	1.32E-07	7.32E-05	1.73E-05	3.64E-03
5938	484831.39	3857940.47	7.72E-03	1.59E-07	7.18E-05	1.76E-05	7.81E-03	3.64E-03	6.56E-02	5.38E-03	6.47E-04	7.52E-02	3.46E-03	1.31E-07	7.18E-05	1.76E-05	3.55E-03
5939	484738.12	3857859.3	8.06E-03	1.64E-07	7.12E-05	1.76E-05	8.15E-03	3.80E-03	6.74E-02	5.34E-03	6.47E-04	7.72E-02	3.62E-03	1.34E-07	7.12E-05	1.76E-05	3.70E-03
5940	484737.85	3857778.4	8.52E-03	1.75E-07	7.09E-05	1.86E-05	8.60E-03	4.02E-03	7.23E-02	5.31E-03	6.80E-04	8.23E-02	3.82E-03	1.44E-07	7.09E-05	1.86E-05	3.91E-03
5941	484737.59	3857697.49	8.98E-03	1.92E-07	6.93E-05	2.02E-05	9.06E-03	4.23E-03	7.91E-02	5.20E-03	7.41E-04	8.93E-02	4.03E-03	1.58E-07	6.93E-05	2.02E-05	4.11E-03
5942	484737.32	3857616.59	9.33E-03	2.10E-07	6.67E-05	2.09E-05	9.42E-03	4.40E-03	8.65E-02	5.00E-03	7.66E-04	9.67E-02	4.18E-03	1.72E-07	6.67E-05	2.09E-05	4.27E-03
5943	484645.53	3857535.18	9.52E-03	2.25E-07	6.61E-05	1.98E-05	9.61E-03	4.49E-03	9.28E-02	4.96E-03	7.27E-04	1.03E-01	4.27E-03	1.85E-07	6.61E-05	1.98E-05	4.36E-03
5944	484553.99	3857534.67	9.23E-03	2.18E-07	6.34E-05	1.87E-05	9.32E-03	4.36E-03	8.98E-02	4.76E-03	6.86E-04	9.96E-02	4.14E-03	1.79E-07	6.34E-05	1.87E-05	4.22E-03
5945	484462.46	3857534.17	8.91E-03	2.11E-07	6.11E-05	1.75E-05	8.99E-03	4.20E-03	8.71E-02	4.59E-03	6.40E-04	9.65E-02	4.00E-03	1.73E-07	6.11E-05	1.75E-05	4.08E-03
5946	484370.93	3857533.66	8.71E-03	2.09E-07	6.05E-05	1.71E-05	8.79E-03	4.11E-03	8.59E-02	4.53E-03	6.27E-04	9.52E-02	3.91E-03	1.71E-07	6.05E-05	1.71E-05	3.98E-03
5947	484279.4	3857533.16	8.59E-03	2.10E-07	5.98E-05	1.73E-05	8.66E-03	4.05E-03	8.66E-02	4.49E-03	6.34E-04	9.58E-02	3.85E-03	1.73E-07	5.98E-05	1.73E-05	3.93E-03
5948	484187.86	3857532.65	8.49E-03	2.09E-07	5.91E-05	1.78E-05	8.57E-03	4.00E-03	8.59E-02	4.43E-03	6.54E-04	9.50E-02	3.81E-03	1.71E-07	5.91E-05	1.78E-05	3.88E-03
5949	484096.33	3857532.15	8.43E-03	1.93E-07	5.85E-05	2.88E-05	8.52E-03	3.98E-03	7.95E-02	4.39E-03	1.06E-03	8.89E-02	3.78E-03	1.58E-07	5.85E-05	2.88E-05	3.87E-03
5950	484004.8	3857531.64	8.34E-03	1.87E-07	5.78E-05	3.02E-05	8.43E-03	3.93E-03	7.72E-02	4.34E-03	1.11E-03	8.66E-02	3.74E-03	1.54E-07	5.78E-05	3.02E-05	3.83E-03
5951	483913.27	3857531.14	7.70E-03	1.85E-07	5.71E-05	2.77E-05	7.78E-03	3.63E-03	7.63E-02	4.28E-03	1.01E-03	8.52E-02	3.45E-03	1.52E-07	5.71E-05	2.77E-05	3.54E-03
5952	483821.73	3857530.63	7.62E-03	1.79E-07	5.64E-05	3.23E-05	7.71E-03	3.59E-03	7.38E-02	4.23E-03	1.18E-03	8.28E-02	3.42E-03	1.47E-07	5.64E-05	3.23E-05	3.51E-03
5953	483729.61	3857450.11	7.74E-03	2.00E-07	5.35E-05	6.20E-05	7.85E-03	3.65E-03	8.25E-02	4.01E-03	2.27E-03	9.24E-02	3.47E-03	1.64E-07	5.35E-05	6.20E-05	3.59E-03
5954	483729.03	3857370.08	7.74E-03	2.15E-07	5.94E-05	5.24E-05	7.86E-03	3.65E-03	8.85E-02	4.46E-03	1.92E-03	9.85E-02	3.47E-03	1.76E-07	5.94E-05	5.24E-05	3.59E-03
5955	483728.44	3857290.06	7.85E-03	2.36E-07	6.60E-05	4.46E-05	7.96E-03	3.70E-03	9.71E-02	4.95E-03	1.64E-03	1.07E-01	3.52E-03	1.93E-07	6.60E-05	4.46E-05	3.63E-03
5956	483727.86	3857210.03	8.08E-03	2.68E-07	7.02E-05	3.72E-05	8.18E-03	3.81E-03	1.10E-01	5.27E-03	1.36E-03	1.21E-01	3.62E-03	2.20E-07	7.02E-05	3.72E-05	3.73E-03
5957	483641.15	3857129.07	8.33E-03	2.83E-07	7.21E-05	3.84E-05	8.44E-03	3.93E-03	1.17E-01	5.41E-03	1.41E-03	1.27E-01	3.74E-03	2.32E-07	7.21E-05	3.84E-05	3.85E-03
5958	483555.03	3857128.14	8.23E-03	2.62E-07	7.09E-05	3.97E-05	8.34E-03	3.88E-03	1.08E-01	5.32E-03	1.46E-03	1.18E-01	3.69E-03	2.15E-07	7.09E-05	3.97E-05	3.80E-03
5959	483468.91	3857127.2	8.07E-03	2.52E-07	6.95E-05	4.12E-05	8.18E-03	3.81E-03	1.04E-01	5.21E-03	1.51E-03	1.14E-01	3.62E-03	2.07E-07	6.95E-05	4.12E-05	3.73E-03
5960	483382.78	3857126.26	7.94E-03	2.36E-07	6.83E-05	4.48E-05	8.06E-03	3.75E-03	9.74E-02	5.12E-03	1.64E-03	1.08E-01	3.56E-03	1.94E-07	6.83E-05	4.48E-05	3.68E-03
5961	483296.66	3857125.32	7.85E-03	2.19E-07	6.61E-05	4.62E-05	7.96E-03	3.70E-03	9.03E-02	4.95E-03	1.69E-03	1.01E-01	3.52E-03	1.80E-07	6.61E-05	4.62E-05	3.63E-03
5962	483210.54	3857124.39	7.57E-03	2.06E-07	6.32E-05	4.22E-05	7.68E-03	3.57E-03	8.48E-02	4.74E-03	1.55E-03	9.47E-02	3.40E-03	1.69E-07	6.32E-05	4.22E-05	3.50E-03
5963	483123.4	3857030.96	7.41E-03	2.12E-07	6.73E-05	3.32E-05	7.51E-03	3.49E-03	8.75E-02	5.04E-03	1.22E-03	9.72E-02	3.32E-03	1.74E-07	6.73E-05	3.32E-05	3.42E-03
5964	483122.38	3856938.46	7.56E-03	2.19E-07	6.52E-05	2.40E-05	7.65E-03	3.57E-03	9.04E-02	4.89E-03	8.80E-04	9.97E-02	3.39E-03	1.80E-07	6.52E-05	2.40E-05	3.48E-03
5965	483121.35	3856845.97	7.74E-03	2.34E-07	6.17E-05	2.09E-05	7.83E-03	3.65E-03	9.65E-02	4.63E-03	7.68E-04	1.06E-01	3.47E-03	1.92E-07	6.17E-05	2.09E-05	3.56E-03
5966	483120.33	3856753.47	7.86E-03	2.49E-07	6.22E-05	2.20E-05	7.95E-03	3.71E-03	1.02E-01	4.66E-03	8.07E-04	1.12E-01	3.53E-03	2.04E-07	6.22E-05	2.20E-05	3.61E-03
5967	483119.31	3856660.98	8.23E-03	2.60E-07	6.40E-05	2.42E-05	8.32E-03	3.88E-03	1.07E-01	4.80E-03	8.88E-04	1.17E-01	3.69E-03	2.14E-07	6.40E-05	2.42E-05	3.78E-03
5968	483118.29	3856568.49	8.30E-03	2.55E-07	6.44E-05	2.72E-05	8.39E-03	3.92E-03	1.05E-01	4.83E-03	9.96E-04	1.15E-01	3.72E-03	2.10E-07	6.44E-05	2.72E-05	3.82E-03
5969	483117.26	3856475.99	8.38E-03	2.56E-07	5.79E-05	2.99E-05	8.46E-03	3.95E-03	1.05E-01	4.34E-03	1.09E-03	1.15E-01	3.76E-03	2.10E-07	5.79E-05	2.99E-05	3.84E-03
5970	483116.24	3856383.5	8.71E-03	2.62E-07	6.02E-05	3.58E-05	8.80E-03	4.11E-03	1.08E-01	4.51E-03	1.31E-03	1.18E-01	3.91E-03	2.15E-07	6.02E-05	3.58E-05	4.00E-03
5971	483115.22	3856291.01	8.88E-03	2.66E-07	5.85E-05	4.20E-05	8.98E-03	4.19E-03	1.10E-01	4.38E-03	1.54E-03	1.20E-01	3.98E-03	2.19E-07	5.85E-05	4.20E-05	4.08E-03
5972	483114.2	3856198.51	8.90E-03	2.67E-07	5.67E-05	5.26E-05	9.01E-03	4.20E-03	1.10E-01	4.26E-03	1.93E-03	1.20E-01	3.99E-03	2.19E-07	5.67E-05	5.26E-05	4.10E-03
5973	483113.17	3856106.02	9.09E-03	2.66E-07	5.66E-05	5.39E-05	9.20E-03	4.29E-03	1.09E-01	4.25E-03	1.98E-03	1.20E-01	4.08E-03	2.18E-07	5.66E-05	5.39E-05	4.19E-03
5974	483112.15	3856013.52	9.68E-03	2.82E-07	5.03E-05	5.97E-05	9.79E-03	4.57E-03	1.16E-01	3.77E-03	2.19E-03	1.27E-01	4.34E-03	2.31E-07	5.03E-05	5.97E-05	4.45E-03

5975	483029.25	3855920.47	9.47E-03	2.49E-07	4.82E-05	5.09E-05	9.57E-03	4.47E-03	1.03E-01	3.61E-03	1.86E-03	1.13E-01	4.25E-03	2.04E-07	4.82E-05	5.09E-05	4.35E-03
5976	482947.37	3855919.91	9.14E-03	2.31E-07	4.88E-05	4.59E-05	9.24E-03	4.31E-03	9.52E-02	3.66E-03	1.68E-03	1.05E-01	4.10E-03	1.90E-07	4.88E-05	4.59E-05	4.19E-03
5977	482865.49	3855919.36	8.62E-03	2.25E-07	4.91E-05	3.90E-05	8.71E-03	4.06E-03	9.25E-02	3.68E-03	1.43E-03	1.02E-01	3.87E-03	1.84E-07	4.91E-05	3.90E-05	3.95E-03
5978	482783.61	3855918.8	8.46E-03	2.04E-07	5.07E-05	3.40E-05	8.55E-03	3.99E-03	8.40E-02	3.80E-03	1.25E-03	9.30E-02	3.80E-03	1.67E-07	5.07E-05	3.40E-05	3.88E-03
5979	482700.33	3855818.39	7.80E-03	2.10E-07	4.75E-05	4.34E-05	7.89E-03	3.68E-03	8.64E-02	3.56E-03	1.59E-03	9.52E-02	3.50E-03	1.72E-07	4.75E-05	4.34E-05	3.59E-03
5980	482698.92	3855718.54	7.99E-03	2.09E-07	4.12E-05	3.65E-05	8.07E-03	3.77E-03	8.63E-02	3.09E-03	1.34E-03	9.45E-02	3.58E-03	1.72E-07	4.12E-05	3.65E-05	3.66E-03
5981	482697.52	3855618.68	8.05E-03	2.25E-07	3.89E-05	3.54E-05	8.12E-03	3.80E-03	9.27E-02	2.92E-03	1.30E-03	1.01E-01	3.61E-03	1.85E-07	3.89E-05	3.54E-05	3.69E-03
5982	482696.11	3855518.83	8.32E-03	2.23E-07	3.64E-05	2.72E-05	8.38E-03	3.92E-03	9.21E-02	2.73E-03	9.96E-04	9.97E-02	3.73E-03	1.83E-07	3.64E-05	2.72E-05	3.79E-03
5983	482694.71	3855418.98	8.32E-03	2.16E-07	2.78E-05	2.30E-05	8.37E-03	3.92E-03	8.91E-02	2.09E-03	8.42E-04	9.60E-02	3.73E-03	1.78E-07	2.78E-05	2.30E-05	3.78E-03
5984	482693.3	3855319.13	8.32E-03	1.94E-07	2.02E-05	2.29E-05	8.36E-03	3.92E-03	7.97E-02	1.51E-03	8.40E-04	8.60E-02	3.73E-03	1.59E-07	2.02E-05	2.29E-05	3.77E-03
5985	482691.9	3855219.27	7.99E-03	1.76E-07	2.12E-05	2.44E-05	8.04E-03	3.77E-03	7.24E-02	1.59E-03	8.96E-04	7.87E-02	3.59E-03	1.44E-07	2.12E-05	2.44E-05	3.63E-03
5986	482690.49	3855119.42	7.42E-03	1.62E-07	2.25E-05	6.04E-05	7.51E-03	3.50E-03	6.68E-02	1.69E-03	2.22E-03	7.42E-02	3.33E-03	1.33E-07	2.25E-05	6.04E-05	3.41E-03
5987	482689.09	3855019.57	7.17E-03	1.34E-07	2.81E-05	6.64E-05	7.26E-03	3.38E-03	5.53E-02	2.11E-03	2.44E-03	6.32E-02	3.22E-03	1.10E-07	2.81E-05	6.64E-05	3.31E-03
5988	482687.68	3854919.71	6.72E-03	1.31E-07	2.38E-05	4.22E-05	6.79E-03	3.17E-03	5.41E-02	1.79E-03	1.55E-03	6.06E-02	3.01E-03	1.08E-07	2.38E-05	4.22E-05	3.08E-03
5989	482686.28	3854819.86	6.82E-03	1.12E-07	2.47E-05	3.01E-05	6.88E-03	3.22E-03	4.63E-02	1.86E-03	1.10E-03	5.25E-02	3.06E-03	9.23E-08	2.47E-05	3.01E-05	3.12E-03
5990	482684.88	3854720.01	6.79E-03	1.04E-07	2.48E-05	2.68E-05	6.84E-03	3.20E-03	4.30E-02	1.86E-03	9.82E-04	4.90E-02	3.04E-03	8.56E-08	2.48E-05	2.68E-05	3.10E-03
5991	482683.47	3854620.16	7.62E-03	9.05E-08	2.34E-05	2.12E-05	7.67E-03	3.60E-03	3.73E-02	1.76E-03	7.78E-04	4.34E-02	3.42E-03	7.43E-08	2.34E-05	2.12E-05	3.46E-03
5992	482682.07	3854520.31	8.04E-03	8.12E-08	2.13E-05	2.12E-05	8.08E-03	3.79E-03	3.34E-02	1.60E-03	7.76E-04	3.96E-02	3.60E-03	6.66E-08	2.13E-05	2.12E-05	3.65E-03
5993	482680.66	3854420.45	7.75E-03	7.45E-08	1.87E-05	2.39E-05	7.79E-03	3.66E-03	3.07E-02	1.40E-03	8.78E-04	3.66E-02	3.48E-03	6.11E-08	1.87E-05	2.39E-05	3.52E-03
5994	482679.26	3854320.6	6.95E-03	6.65E-08	1.96E-05	2.32E-05	6.99E-03	3.28E-03	2.74E-02	1.47E-03	8.52E-04	3.30E-02	3.12E-03	5.45E-08	1.96E-05	2.32E-05	3.16E-03
5995	482677.85	3854220.75	7.66E-03	5.63E-08	1.50E-05	2.24E-05	7.70E-03	3.61E-03	2.32E-02	1.13E-03	8.20E-04	2.87E-02	3.43E-03	4.62E-08	1.50E-05	2.24E-05	3.47E-03
5996	482676.45	3854120.9	8.09E-03	5.21E-08	1.59E-05	1.95E-05	8.12E-03	3.82E-03	2.15E-02	1.19E-03	7.16E-04	2.72E-02	3.63E-03	4.28E-08	1.59E-05	1.95E-05	3.66E-03
5997	482675.04	3854021.04	7.78E-03	4.85E-08	1.68E-05	1.65E-05	7.81E-03	3.67E-03	2.00E-02	1.26E-03	6.06E-04	2.55E-02	3.49E-03	3.98E-08	1.68E-05	1.65E-05	3.52E-03
5998	482673.64	3853921.19	6.88E-03	4.38E-08	1.84E-05	1.73E-05	6.91E-03	3.24E-03	1.80E-02	1.38E-03	6.34E-04	2.33E-02	3.08E-03	3.59E-08	1.84E-05	1.73E-05	3.12E-03
5999	482672.23	3853821.34	7.11E-03	4.08E-08	2.00E-05	1.85E-05	7.14E-03	3.35E-03	1.68E-02	1.50E-03	6.77E-04	2.23E-02	3.19E-03	3.35E-08	2.00E-05	1.85E-05	3.23E-03
6000	482670.83	3853721.48	6.12E-03	3.81E-08	1.92E-05	1.95E-05	6.16E-03	2.89E-03	1.57E-02	1.44E-03	7.15E-04	2.08E-02	2.74E-03	3.13E-08	1.92E-05	1.95E-05	2.78E-03
6001	482669.42	3853621.63	6.20E-03	3.61E-08	1.94E-05	1.91E-05	6.24E-03	2.92E-03	1.49E-02	1.46E-03	7.00E-04	1.99E-02	2.78E-03	2.96E-08	1.94E-05	1.91E-05	2.82E-03
6002	482645.99	3853446.13	5.84E-03	3.53E-08	1.99E-05	1.74E-05	5.88E-03	2.76E-03	1.45E-02	1.49E-03	6.39E-04	1.94E-02	2.62E-03	2.89E-08	1.99E-05	1.74E-05	2.66E-03
6003	482623.97	3853370.48	6.46E-03	3.45E-08	1.93E-05	1.69E-05	6.50E-03	3.05E-03	1.42E-02	1.45E-03	6.18E-04	1.93E-02	2.90E-03	2.83E-08	1.93E-05	1.69E-05	2.94E-03
6004	482601.94	3853294.84	6.25E-03	3.25E-08	1.86E-05	1.64E-05	6.28E-03	2.95E-03	1.34E-02	1.39E-03	6.00E-04	1.83E-02	2.80E-03	2.67E-08	1.86E-05	1.64E-05	2.84E-03
6005	482531.29	3853133.44	6.47E-03	3.08E-08	1.71E-05	1.54E-05	6.50E-03	3.05E-03	1.27E-02	1.28E-03	5.65E-04	1.76E-02	2.90E-03	2.53E-08	1.71E-05	1.54E-05	2.93E-03
6006	482482.68	3853047.69	6.06E-03	3.04E-08	1.63E-05	1.49E-05	6.10E-03	2.86E-03	1.25E-02	1.23E-03	5.45E-04	1.72E-02	2.72E-03	2.50E-08	1.63E-05	1.49E-05	2.75E-03
6007	482383.09	3852897.4	6.03E-03	3.02E-08	1.52E-05	1.38E-05	6.06E-03	2.84E-03	1.24E-02	1.14E-03	5.06E-04	1.69E-02	2.70E-03	2.48E-08	1.52E-05	1.38E-05	2.73E-03
6008	482265.64	3852765.26	5.83E-03	2.88E-08	1.45E-05	1.16E-05	5.85E-03	2.75E-03	1.18E-02	1.09E-03	4.27E-04	1.61E-02	2.61E-03	2.36E-08	1.45E-05	1.16E-05	2.64E-03
6009	482199.16	3852697.66	5.70E-03	2.80E-08	1.43E-05	1.14E-05	5.73E-03	2.69E-03	1.16E-02	1.07E-03	4.19E-04	1.57E-02	2.56E-03	2.30E-08	1.43E-05	1.14E-05	2.58E-03
6010	482132.69	3852630.07	5.58E-03	2.75E-08	1.40E-05	1.14E-05	5.61E-03	2.63E-03	1.13E-02	1.05E-03	4.17E-04	1.54E-02	2.50E-03	2.26E-08	1.40E-05	1.14E-05	2.53E-03
6011	482066.21	3852562.48	5.46E-03	2.85E-08	1.38E-05	1.13E-05	5.49E-03	2.58E-03	1.17E-02	1.04E-03	4.16E-04	1.58E-02	2.45E-03	2.34E-08	1.38E-05	1.13E-05	2.48E-03
6012	481999.74	3852494.89	5.34E-03	3.00E-08	1.36E-05	1.13E-05	5.37E-03	2.52E-03	1.23E-02	1.02E-03	4.13E-04	1.63E-02	2.40E-03	2.46E-08	1.36E-05	1.13E-05	2.42E-03
6013	481933.26	3852427.29	5.23E-03	3.07E-08	1.33E-05	1.12E-05	5.25E-03	2.47E-03	1.26E-02	1.00E-03	4.11E-04	1.65E-02	2.35E-03	2.52E-08	1.33E-05	1.12E-05	2.37E-03
6014	481866.79	3852359.7	5.13E-03	3.06E-08	1.31E-05	1.11E-05	5.15E-03	2.42E-03	1.26E-02	9.84E-04	4.08E-04	1.64E-02	2.30E-03	2.51E-08	1.31E-05	1.11E-05	2.32E-03
6015	481800.31	3852292.11	5.03E-03	3.04E-08	1.29E-05	1.10E-05	5.06E-03	2.37E-03	1.25E-02	9.67E-04	4.05E-04	1.63E-02	2.26E-03	2.50E-08	1.29E-05	1.10E-05	2.28E-03
6016	481733.84	3852224.52	4.94E-03	3.02E-08	1.27E-05	1.10E-05	4.96E-03	2.33E-03	1.24E-02	9.51E-04	4.02E-04	1.61E-02	2.21E-03	2.48E-08	1.27E-05	1.10E-05	2.24E-03
6017	481667.36	3852156.92	4.85E-03	2.98E-08	1.24E-05	1.09E-05	4.87E-03	2.29E-03	1.23E-02	9.32E-04	3.98E-04	1.59E-02	2.17E-03	2.45E-08	1.24E-05	1.09E-05	2.20E-03
6018	481600.89	3852089.33	4.73E-03	2.98E-08	1.21E-05	1.08E-05	4.76E-03	2.23E-03	1.23E-02	9.09E-04	3.95E-04	1.58E-02	2.12E-03	2.44E-08	1.21E-05	1.08E-05	2.15E-03
6019	481534.41	3852021.74	4.64E-03	2.99E-08	1.18E-05	1.06E-05	4.66E-03	2.19E-03	1.23E-02	8.87E-04	3.90E-04	1.58E-02	2.08E-03	2.45E-08	1.18E-05	1.06E-05	2.10E-03
6020	481467.94	3851954.15	4.54E-03	2.99E-08	1.15E-05	1.05E-05	4.57E-03	2.14E-03	1.23E-02	8.65E-04	3.86E-04	1.57E-02	2.04E-03	2.45E-08	1.15E-05	1.05E-05	2.06E-03
6021	481401.46	3851886.55	4.46E-03	2.99E-08	1.12E-05	1.04E-05	4.48E-03	2.10E-03	1.23E-02	8.42E-04	3.82E-04	1.56E-02	2.00E-03	2.45E-08	1.12E-05	1.04E-05	2.02E-03
6022	481265.87	3851761.43	4.26E-03	2.75E-08	1.10E-05	1.00E-05	4.28E-03	2.01E-03	1.13E-02	8.22E-04	3.67E-04	1.45E-02	1.91E-03	2.26E-08	1.10E-05	1.00E-05	1.93E-03
6023	481196.74	3851703.89	4.17E-03	2.85E-08	1.09E-05	9.94E-06	4.19E-03	1.97E-03	1.17E-02	8.21E-04	3.65E-04	1.49E-02	1.87E-03	2.34E-08	1.09E-05	9.94E-06	1.89E-03
6024	481076.33	3851619.04	3.95E-03	2.65E-08	1.13E-05	9.70E-06	3.97E-03	1.86E-03	1.09E-02	8.46E-04	3.56E-04	1.40E-02	1.77E-03	2.18E-08	1.13E-05	9.70E-06	1.79E-03
6025	480939.8	3851549.07	3.68E-03	2.71E-08	1.21E-05	9.38E-06	3.70E-03	1.73E-03	1.12E-02	9.04E-04	3.44E-04	1.42E-02	1.65E-03	2.23E-08	1.21E-05	9.38E-06	1.67E-03
6026	480854.56	3851506.41	3.60E-03	2.82E-08	1.23E-05	9.24E-06	3.62E-03	1.70E-03	1.16E-02	9.26E-04	3.39E-04	1.46E-02	1.62E-03	2.31E-08	1.23E-05	9.24E-06	1.64E-03
6027	480769.32	3851463.75	3.50E-03	2.74E-08	1.26E-05	9.01E-06	3.53E-03	1.65E-03	1.13E-02	9.47E-04	3.30E-04	1.42E-02	1.57E-03	2.25E-08	1.26E-05	9.01E-06	1.59E-03
6028	480684.08	3851421.08	3.47E-03	2.59E-08	1.29E-05	9.06E-06	3.50E-03	1.64E-03	1.07E-02	9.67E-04	3.32E-04	1.36E-02	1.56E-03	2.13E-08	1.29E-05	9.06E-06	1.58E-03
6029	480598.84	3851378.42	3.40E-03	2.41E-08	1.31E-05	9.32E-06	3.42E-03	1.60E-03	9.94E-03	9.85E-04	3.42E-04	1.29E-02	1.52E-03	1.98E-08	1.31E-05	9.32E-06	1.55E-03
6030	480435.71	3851275.01	3.18E-03	2.44E-08	1.33E-05	9.65E-06	3.21E-03	1.50E-03	1.00E-02	1.00E-03	3.54E-04	1.29E-02	1.43E-03	2.00E-08	1.33E-05	9.65E-06	1.45E-03
6031	480347.85	3851232.36	3.02E-03	2.49E-08	1.36E-05	9.94E-06	3.04E-03	1.42E-03	1.03E-02	1.02E-03	3.64E-04	1.31E-02	1.35E-03	2.04E-08	1.36E-05	9.94E-06	1.38E-03
6032	480260	3851189.72	3.03E-03	2.57E-08	1.38E-05	9.71E-06	3.06E-03	1.43E-03	1.06E-02	1.03E-03	3.56E-04	1.34E-02	1.36E-03	2.11E-08	1.38E-05	9.71E-06	1.38E-03
6033	480172.15	3851147.07	2.83E-03	2.64E-08	1.40E-05	9.38E-06	2.85E-03	1.33E-03	1.09E-02	1.05E-03	3.44E-04	1.36E-02	1.27E-03	2.16E-08	1.40E-05	9.38E-06	1.29E-03
6034	480084.29	3851104.42	2.62E-03	2.68E-08	1.42E-05	9.07E-06	2.64E-03	1.24E-03	1.11E-02	1.06E-03	3.32E-04	1.37E-02	1.17E-03	2.20E-08	1.42E-05	9.07E-06	1.20E-03
6035	479996.44	3851061.77	2.60E-03	2.59E-08	1.43E-05	8.77E-06	2.63E-03	1.23E-03	1.07E-02	1.07E-03	3.21E-04	1.33E-02	1.17E-03	2.13E-08	1.43E-05	8.77E-06	1.19E-03

6036	479908.58	3851019.13	2.55E-03	2.47E-08	1.45E-05	8.49E-06	2.57E-03	1.20E-03	1.02E-02	1.08E-03	3.11E-04	1.28E-02	1.14E-03	2.03E-08	1.45E-05	8.49E-06	1.17E-03
6037	479820.73	3850976.48	2.40E-03	2.50E-08	1.46E-05	8.21E-06	2.42E-03	1.13E-03	1.03E-02	1.09E-03	3.01E-04	1.28E-02	1.07E-03	2.05E-08	1.46E-05	8.21E-06	1.10E-03
6038	479732.88	3850933.83	2.37E-03	2.58E-08	1.44E-05	8.21E-06	2.39E-03	1.12E-03	1.06E-02	1.08E-03	3.01E-04	1.31E-02	1.06E-03	2.11E-08	1.44E-05	8.21E-06	1.08E-03
6039	479645.02	3850891.18	2.34E-03	2.56E-08	1.41E-05	8.34E-06	2.36E-03	1.10E-03	1.05E-02	1.06E-03	3.06E-04	1.30E-02	1.05E-03	2.10E-08	1.41E-05	8.34E-06	1.07E-03
6040	479557.17	3850848.54	2.29E-03	2.39E-08	1.39E-05	8.46E-06	2.31E-03	1.08E-03	9.85E-03	1.04E-03	3.10E-04	1.23E-02	1.03E-03	1.96E-08	1.39E-05	8.46E-06	1.05E-03
6041	479469.32	3850805.89	2.18E-03	2.28E-08	1.37E-05	8.57E-06	2.20E-03	1.03E-03	9.41E-03	1.02E-03	3.14E-04	1.18E-02	9.78E-04	1.87E-08	1.37E-05	8.57E-06	1.00E-03
6042	479381.46	3850763.24	2.07E-03	2.33E-08	1.34E-05	8.68E-06	2.09E-03	9.75E-04	9.60E-03	1.01E-03	3.18E-04	1.19E-02	9.27E-04	1.91E-08	1.34E-05	8.68E-06	9.49E-04
6043	479293.61	3850720.59	2.06E-03	2.42E-08	1.32E-05	8.77E-06	2.09E-03	9.73E-04	9.99E-03	9.90E-04	3.22E-04	1.23E-02	9.25E-04	1.99E-08	1.32E-05	8.77E-06	9.47E-04
6044	479205.76	3850677.95	1.97E-03	2.45E-08	1.30E-05	8.75E-06	2.00E-03	9.31E-04	1.01E-02	9.72E-04	3.21E-04	1.23E-02	8.85E-04	2.01E-08	1.30E-05	8.75E-06	9.07E-04
6045	479117.9	3850635.3	2.06E-03	2.43E-08	1.27E-05	8.52E-06	2.08E-03	9.70E-04	1.00E-02	9.55E-04	3.13E-04	1.22E-02	9.22E-04	1.99E-08	1.27E-05	8.52E-06	9.43E-04
6046	479030.05	3850592.65	2.09E-03	2.52E-08	1.25E-05	8.29E-06	2.11E-03	9.85E-04	1.04E-02	9.38E-04	3.04E-04	1.26E-02	9.37E-04	2.07E-08	1.25E-05	8.29E-06	9.57E-04
6047	478942.19	3850550	2.04E-03	2.46E-08	1.23E-05	8.15E-06	2.06E-03	9.64E-04	1.02E-02	9.23E-04	2.99E-04	1.23E-02	9.17E-04	2.02E-08	1.23E-05	8.15E-06	9.37E-04
6048	478854.34	3850507.36	2.11E-03	2.27E-08	1.21E-05	7.89E-06	2.13E-03	9.96E-04	9.35E-03	9.09E-04	2.89E-04	1.15E-02	9.48E-04	1.86E-08	1.21E-05	7.89E-06	9.68E-04
6049	478766.49	3850464.71	2.18E-03	2.23E-08	1.19E-05	7.63E-06	2.20E-03	1.03E-03	9.20E-03	8.94E-04	2.80E-04	1.14E-02	9.78E-04	1.83E-08	1.19E-05	7.63E-06	9.98E-04
6050	478678.63	3850422.06	2.06E-03	2.30E-08	1.17E-05	7.58E-06	2.08E-03	9.73E-04	9.46E-03	8.79E-04	2.78E-04	1.16E-02	9.25E-04	1.89E-08	1.17E-05	7.58E-06	9.45E-04
6051	478590.78	3850379.41	2.12E-03	2.34E-08	1.15E-05	7.55E-06	2.14E-03	9.98E-04	9.66E-03	8.64E-04	2.77E-04	1.18E-02	9.49E-04	1.92E-08	1.15E-05	7.55E-06	9.69E-04
6052	478502.93	3850336.77	2.16E-03	2.37E-08	1.13E-05	7.20E-06	2.17E-03	1.02E-03	9.75E-03	8.49E-04	2.64E-04	1.19E-02	9.67E-04	1.94E-08	1.13E-05	7.20E-06	9.85E-04
6053	478415.07	3850294.12	2.17E-03	2.29E-08	1.11E-05	6.84E-06	2.19E-03	1.02E-03	9.45E-03	8.35E-04	2.51E-04	1.16E-02	9.73E-04	1.88E-08	1.11E-05	6.84E-06	9.91E-04
6054	478327.22	3850251.47	2.18E-03	2.30E-08	1.09E-05	6.51E-06	2.19E-03	1.03E-03	9.49E-03	8.20E-04	2.39E-04	1.16E-02	9.76E-04	1.89E-08	1.09E-05	6.51E-06	9.93E-04
6055	478239.36	3850208.82	2.10E-03	2.32E-08	1.07E-05	6.23E-06	2.11E-03	9.89E-04	9.58E-03	8.06E-04	2.28E-04	1.16E-02	9.41E-04	1.91E-08	1.07E-05	6.23E-06	9.58E-04
6056	478151.51	3850166.18	1.97E-03	2.35E-08	1.06E-05	6.17E-06	1.98E-03	9.27E-04	9.68E-03	7.92E-04	2.26E-04	1.16E-02	8.82E-04	1.93E-08	1.06E-05	6.17E-06	8.98E-04
6057	478063.66	3850123.53	2.03E-03	2.37E-08	1.04E-05	6.31E-06	2.04E-03	9.55E-04	9.78E-03	7.78E-04	2.31E-04	1.17E-02	9.09E-04	1.95E-08	1.04E-05	6.31E-06	9.25E-04
6058	477975.8	3850080.88	1.93E-03	2.54E-08	1.02E-05	6.44E-06	1.95E-03	9.11E-04	1.05E-02	7.64E-04	2.36E-04	1.24E-02	8.67E-04	2.08E-08	1.02E-05	6.44E-06	8.83E-04
6059	477887.95	3850038.23	1.85E-03	2.52E-08	1.03E-05	6.56E-06	1.86E-03	8.71E-04	1.04E-02	7.74E-04	2.41E-04	1.23E-02	8.28E-04	2.07E-08	1.03E-05	6.56E-06	8.45E-04
6060	477800.1	3849995.59	1.75E-03	2.57E-08	1.06E-05	6.68E-06	1.77E-03	8.25E-04	1.06E-02	7.96E-04	2.45E-04	1.25E-02	7.84E-04	2.11E-08	1.06E-05	6.68E-06	8.02E-04
6061	477712.24	3849952.94	1.76E-03	2.57E-08	1.04E-05	6.78E-06	1.77E-03	8.29E-04	1.06E-02	7.82E-04	2.49E-04	1.25E-02	7.88E-04	2.11E-08	1.04E-05	6.78E-06	8.05E-04
6062	477624.39	3849910.29	1.69E-03	2.56E-08	1.02E-05	6.88E-06	1.70E-03	7.96E-04	1.05E-02	7.62E-04	2.52E-04	1.23E-02	7.57E-04	2.10E-08	1.02E-05	6.88E-06	7.74E-04
6063	477536.54	3849867.64	1.61E-03	2.54E-08	9.91E-06	6.96E-06	1.62E-03	7.58E-04	1.05E-02	7.43E-04	2.55E-04	1.22E-02	7.21E-04	2.08E-08	9.91E-06	6.96E-06	7.37E-04
6064	477448.68	3849825	1.64E-03	2.49E-08	9.66E-06	7.03E-06	1.66E-03	7.74E-04	1.02E-02	7.24E-04	2.58E-04	1.20E-02	7.36E-04	2.04E-08	9.66E-06	7.03E-06	7.53E-04
6065	477360.83	3849782.35	1.66E-03	2.53E-08	9.41E-06	7.09E-06	1.68E-03	7.84E-04	1.04E-02	7.06E-04	2.60E-04	1.22E-02	7.45E-04	2.08E-08	9.41E-06	7.09E-06	7.62E-04
6066	477272.97	3849739.7	1.58E-03	2.46E-08	9.17E-06	7.14E-06	1.60E-03	7.46E-04	1.02E-02	6.88E-04	2.62E-04	1.18E-02	7.09E-04	2.02E-08	9.17E-06	7.14E-06	7.25E-04
6067	477185.12	3849697.05	1.61E-03	2.43E-08	8.94E-06	7.18E-06	1.63E-03	7.61E-04	1.00E-02	6.70E-04	2.63E-04	1.17E-02	7.23E-04	2.00E-08	8.94E-06	7.18E-06	7.40E-04
6068	477097.27	3849654.41	1.67E-03	2.37E-08	8.71E-06	7.20E-06	1.69E-03	7.88E-04	9.75E-03	6.53E-04	2.64E-04	1.15E-02	7.49E-04	1.94E-08	8.71E-06	7.20E-06	7.65E-04
6069	477009.41	3849611.76	1.74E-03	2.24E-08	8.48E-06	7.23E-06	1.75E-03	8.20E-04	9.22E-03	6.36E-04	2.65E-04	1.09E-02	7.80E-04	1.84E-08	8.48E-06	7.23E-06	7.95E-04
6070	476841.49	3849530.08	1.60E-03	2.12E-08	8.09E-06	7.23E-06	1.61E-03	7.53E-04	8.74E-03	6.07E-04	2.65E-04	1.04E-02	7.16E-04	1.74E-08	8.09E-06	7.23E-06	7.31E-04
6071	476761.41	3849491.05	1.57E-03	2.09E-08	7.96E-06	7.22E-06	1.59E-03	7.41E-04	8.60E-03	5.97E-04	2.65E-04	1.02E-02	7.05E-04	1.71E-08	7.96E-06	7.22E-06	7.20E-04
6072	476681.34	3849452.02	1.62E-03	2.16E-08	7.83E-06	7.20E-06	1.64E-03	7.64E-04	8.92E-03	5.88E-04	2.64E-04	1.05E-02	7.27E-04	1.78E-08	7.83E-06	7.20E-06	7.42E-04
6073	476601.26	3849412.99	1.62E-03	2.06E-08	7.71E-06	7.18E-06	1.63E-03	7.63E-04	8.50E-03	5.78E-04	2.63E-04	1.01E-02	7.25E-04	1.69E-08	7.71E-06	7.18E-06	7.40E-04
6074	476456.32	3849353.67	1.69E-03	1.89E-08	7.46E-06	7.11E-06	1.71E-03	7.98E-04	7.80E-03	5.60E-04	2.61E-04	9.42E-03	7.59E-04	1.55E-08	7.46E-06	7.11E-06	7.74E-04
6075	476305.43	3849318.83	1.71E-03	1.81E-08	7.13E-06	7.36E-06	1.73E-03	8.09E-04	7.47E-03	5.35E-04	2.70E-04	9.08E-03	7.69E-04	1.49E-08	7.13E-06	7.36E-06	7.84E-04
6076	476129.36	3849289.99	1.72E-03	1.76E-08	6.72E-06	7.03E-06	1.74E-03	8.12E-04	7.23E-03	5.04E-04	2.58E-04	8.81E-03	7.72E-04	1.44E-08	6.72E-06	7.03E-06	7.86E-04
6077	476039.31	3849275.68	1.72E-03	1.76E-08	6.52E-06	6.85E-06	1.73E-03	8.12E-04	7.26E-03	4.89E-04	2.51E-04	8.82E-03	7.72E-04	1.45E-08	6.52E-06	6.85E-06	7.85E-04
6078	475949.26	3849261.38	1.69E-03	1.76E-08	6.22E-06	6.66E-06	1.70E-03	7.95E-04	7.24E-03	4.66E-04	2.44E-04	8.74E-03	7.56E-04	1.44E-08	6.22E-06	6.66E-06	7.69E-04
6079	475859.21	3849247.08	1.70E-03	1.76E-08	6.14E-06	6.83E-06	1.71E-03	8.00E-04	7.26E-03	4.60E-04	2.51E-04	8.78E-03	7.61E-04	1.45E-08	6.14E-06	6.83E-06	7.74E-04
6080	475769.16	3849232.77	1.63E-03	1.72E-08	6.10E-06	7.15E-06	1.64E-03	7.68E-04	7.08E-03	4.58E-04	2.62E-04	8.57E-03	7.30E-04	1.41E-08	6.10E-06	7.15E-06	7.44E-04
6081	475585.22	3849219.27	1.58E-03	1.13E-08	6.61E-06	6.98E-06	1.59E-03	7.45E-04	4.67E-03	4.96E-04	2.56E-04	6.16E-03	7.09E-04	9.29E-09	6.61E-06	6.98E-06	7.22E-04
6082	475444.49	3849150.35	1.64E-03	1.32E-08	6.78E-06	6.82E-06	1.66E-03	7.75E-04	5.44E-03	5.09E-04	2.50E-04	6.97E-03	7.37E-04	1.08E-08	6.78E-06	6.82E-06	7.51E-04
6083	475334.17	3849118.71	1.62E-03	1.36E-08	7.37E-06	6.63E-06	1.63E-03	7.64E-04	5.60E-03	5.53E-04	2.43E-04	7.16E-03	7.26E-04	1.12E-08	7.37E-06	6.63E-06	7.40E-04
6084	475230.47	3849060.56	1.63E-03	1.36E-08	7.50E-06	6.52E-06	1.64E-03	7.68E-04	5.60E-03	5.63E-04	2.39E-04	7.17E-03	7.30E-04	1.12E-08	7.50E-06	6.52E-06	7.44E-04
6085	475110.86	3848960.97	1.58E-03	1.35E-08	7.18E-06	6.47E-06	1.59E-03	7.43E-04	5.56E-03	5.38E-04	2.37E-04	7.08E-03	7.07E-04	1.11E-08	7.18E-06	6.47E-06	7.21E-04
6086	475037.79	3848896.28	1.57E-03	1.34E-08	6.92E-06	6.45E-06	1.59E-03	7.42E-04	5.53E-03	5.19E-04	2.36E-04	7.03E-03	7.06E-04	1.10E-08	6.92E-06	6.45E-06	7.19E-04
6087	474964.72	3848831.59	1.57E-03	1.32E-08	6.67E-06	6.43E-06	1.58E-03	7.39E-04	5.42E-03	5.00E-04	2.36E-04	6.90E-03	7.03E-04	1.08E-08	6.67E-06	6.43E-06	7.16E-04
6088	474891.65	3848766.9	1.52E-03	1.30E-08	6.45E-06	6.41E-06	1.53E-03	7.15E-04	5.34E-03	4.83E-04	2.35E-04	6.77E-03	6.80E-04	1.06E-08	6.45E-06	6.41E-06	6.93E-04
6089	474818.58	3848702.21	1.49E-03	1.29E-08	6.24E-06	6.39E-06	1.51E-03	7.04E-04	5.30E-03	4.68E-04	2.34E-04	6.71E-03	6.70E-04	1.06E-08	6.24E-06	6.39E-06	6.82E-04
6090	474745.51	3848637.53	1.50E-03	1.31E-08	6.08E-06	6.37E-06	1.52E-03	7.09E-04	5.42E-03	4.56E-04	2.34E-04	6.81E-03	6.74E-04	1.08E-08	6.08E-06	6.37E-06	6.86E-04
6091	474672.44	3848572.84	1.48E-03	1.31E-08	5.96E-06	6.35E-06	1.49E-03	6.96E-04	5.39E-03	4.47E-04	2.33E-04	6.76E-03	6.62E-04	1.07E-08	5.96E-06	6.35E-06	6.74E-04
6092	474599.37	3848508.15	1.49E-03	1.30E-08	5.84E-06	6.33E-06	1.50E-03	7.03E-04	5.34E-03	4.38E-04	2.32E-04	6.71E-03	6.68E-04	1.06E-08	5.84E-06	6.33E-06	6.80E-04
6093	474526.3	3848443.46	1.45E-03	1.28E-08	5.87E-06	6.31E-06	1.46E-03	6.83E-04	5.26E-03	4.40E-04	2.32E-04	6.62E-03	6.50E-04	1.05E-08	5.87E-06	6.31E-06	6.62E-04

			PM2.5				2028 Unmitigated					2028 Mitigated					2033 Unmitigated				
			Period				Rates (g/s	3.73E-03	2.98E-02	6.38E-03	3.16E-03	3.40E-03	3.02E-08	8.50E-05	8.61E-05		4.32E-03	2.98E-02	6.38E-03	3.16E-03	
			Concentration [ug/m^3] at 1 g/s					Concentration [ug/m^3]				Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARI	WHS (PAF	STCK1-1(	STCK11-39		CHE (PARE/	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PARE/	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PARE	WHS (PAR	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	0.35988	0.05384	0.0075	0.03265		1.34E-03	1.61E-03	4.81E-05	1.03E-04	3.10E-03	1.22E-03	1.63E-09	6.41E-07	2.81E-06	1.23E-03	1.55E-03	1.61E-03	4.81E-05	1.03E-04	3.31E-03
2	486023.61	3854936.51	0.35183	0.05308	0.008	0.03279		1.31E-03	1.58E-03	5.07E-05	1.04E-04	3.05E-03	1.19E-03	1.60E-09	6.76E-07	2.82E-06	1.20E-03	1.52E-03	1.58E-03	5.07E-05	1.04E-04	3.26E-03
3	486073.61	3854936.51	0.34761	0.05265	0.0084	0.03291		1.30E-03	1.57E-03	5.38E-05	1.04E-04	3.03E-03	1.18E-03	1.59E-09	7.18E-07	2.83E-06	1.18E-03	1.50E-03	1.57E-03	5.38E-05	1.04E-04	3.23E-03
4	486123.61	3854936.51	0.33456	0.05147	0.0091	0.03298		1.25E-03	1.54E-03	5.77E-05	1.04E-04	2.95E-03	1.14E-03	1.55E-09	7.70E-07	2.84E-06	1.14E-03	1.44E-03	1.54E-03	5.77E-05	1.04E-04	3.14E-03
5	486173.61	3854936.51	0.33525	0.0515	0.0096	0.03307		1.25E-03	1.54E-03	6.11E-05	1.04E-04	2.95E-03	1.14E-03	1.56E-09	8.15E-07	2.85E-06	1.14E-03	1.45E-03	1.54E-03	6.11E-05	1.04E-04	3.15E-03
6	486223.61	3854936.51	0.32792	0.05084	0.0101	0.03312		1.22E-03	1.52E-03	6.44E-05	1.05E-04	2.91E-03	1.11E-03	1.54E-09	8.59E-07	2.85E-06	1.12E-03	1.42E-03	1.52E-03	6.44E-05	1.05E-04	3.10E-03
7	486273.61	3854936.51	0.32311	0.0504	0.0105	0.03316		1.21E-03	1.50E-03	6.69E-05	1.05E-04	2.88E-03	1.10E-03	1.52E-09	8.92E-07	2.86E-06	1.10E-03	1.39E-03	1.50E-03	6.69E-05	1.05E-04	3.07E-03
8	486323.61	3854936.51	0.31907	0.05005	0.0107	0.03319		1.19E-03	1.49E-03	6.83E-05	1.05E-04	2.86E-03	1.08E-03	1.51E-09	9.10E-07	2.86E-06	1.09E-03	1.38E-03	1.49E-03	6.83E-05	1.05E-04	3.04E-03
9	485973.61	3854986.51	0.42832	0.05768	0.0074	0.03412		1.60E-03	1.72E-03	4.75E-05	1.08E-04	3.47E-03	1.45E-03	1.74E-09	6.33E-07	2.94E-06	1.46E-03	1.85E-03	1.72E-03	4.75E-05	1.08E-04	3.72E-03
10	486023.61	3854986.51	0.41891	0.05701	0.0078	0.03424		1.56E-03	1.70E-03	4.94E-05	1.08E-04	3.42E-03	1.42E-03	1.72E-09	6.59E-07	2.95E-06	1.43E-03	1.81E-03	1.70E-03	4.94E-05	1.08E-04	3.67E-03
11	486073.61	3854986.51	0.40702	0.05615	0.0082	0.03434		1.52E-03	1.68E-03	5.23E-05	1.08E-04	3.35E-03	1.38E-03	1.70E-09	6.97E-07	2.96E-06	1.39E-03	1.76E-03	1.68E-03	5.23E-05	1.08E-04	3.59E-03
12	486123.61	3854986.51	0.39608	0.05535	0.0088	0.03441		1.48E-03	1.65E-03	5.58E-05	1.09E-04	3.29E-03	1.34E-03	1.67E-09	7.44E-07	2.96E-06	1.35E-03	1.71E-03	1.65E-03	5.58E-05	1.09E-04	3.52E-03
13	486173.61	3854986.51	0.39115	0.05502	0.0093	0.03449		1.46E-03	1.64E-03	5.94E-05	1.09E-04	3.27E-03	1.33E-03	1.66E-09	7.92E-07	2.97E-06	1.33E-03	1.69E-03	1.64E-03	5.94E-05	1.09E-04	3.50E-03
14	486223.61	3854986.51	0.38028	0.05422	0.0099	0.03454		1.42E-03	1.62E-03	6.31E-05	1.09E-04	3.21E-03	1.29E-03	1.64E-09	8.42E-07	2.97E-06	1.29E-03	1.64E-03	1.62E-03	6.31E-05	1.09E-04	3.43E-03
15	486273.61	3854986.51	0.36856	0.05334	0.0104	0.03456		1.38E-03	1.59E-03	6.64E-05	1.09E-04	3.14E-03	1.25E-03	1.61E-09	8.85E-07	2.98E-06	1.26E-03	1.59E-03	1.59E-03	6.64E-05	1.09E-04	3.36E-03
16	486323.61	3854986.51	0.36936	0.05351	0.0107	0.03461		1.38E-03	1.60E-03	6.82E-05	1.09E-04	3.15E-03	1.25E-03	1.62E-09	9.09E-07	2.98E-06	1.26E-03	1.59E-03	1.60E-03	6.82E-05	1.09E-04	3.37E-03
17	485973.61	3855036.51	0.50902	0.06189	0.0074	0.03569		1.90E-03	1.85E-03	4.71E-05	1.13E-04	3.91E-03	1.73E-03	1.87E-09	6.28E-07	3.07E-06	1.73E-03	2.20E-03	1.85E-03	4.71E-05	1.13E-04	4.20E-03
18	486023.61	3855036.51	0.49309	0.06098	0.0076	0.03579		1.84E-03	1.82E-03	4.85E-05	1.13E-04	3.82E-03	1.67E-03	1.84E-09	6.47E-07	3.08E-06	1.68E-03	2.13E-03	1.82E-03	4.85E-05	1.13E-04	4.11E-03
19	486073.61	3855036.51	0.47349	0.05979	0.008	0.03588		1.77E-03	1.78E-03	5.10E-05	1.13E-04	3.71E-03	1.61E-03	1.81E-09	6.80E-07	3.09E-06	1.61E-03	2.04E-03	1.78E-03	5.10E-05	1.13E-04	3.99E-03
20	486123.61	3855036.51	0.45947	0.05896	0.0085	0.03596		1.71E-03	1.76E-03	5.42E-05	1.14E-04	3.64E-03	1.56E-03	1.78E-09	7.22E-07	3.10E-06	1.56E-03	1.98E-03	1.76E-03	5.42E-05	1.14E-04	3.91E-03
21	486173.61	3855036.51	0.45231	0.05862	0.009	0.03604		1.69E-03	1.75E-03	5.76E-05	1.14E-04	3.61E-03	1.54E-03	1.77E-09	7.68E-07	3.10E-06	1.54E-03	1.95E-03	1.75E-03	5.76E-05	1.14E-04	3.87E-03
22	486223.61	3855036.51	0.43536	0.05753	0.0097	0.03608		1.62E-03	1.72E-03	6.17E-05	1.14E-04	3.52E-03	1.48E-03	1.74E-09	8.22E-07	3.11E-06	1.48E-03	1.88E-03	1.72E-03	6.17E-05	1.14E-04	3.77E-03
23	486273.61	3855036.51	0.43047	0.05735	0.0102	0.03612		1.61E-03	1.71E-03	6.49E-05	1.14E-04	3.50E-03	1.46E-03	1.73E-09	8.66E-07	3.11E-06	1.47E-03	1.86E-03	1.71E-03	6.49E-05	1.14E-04	3.75E-03
24	486323.61	3855036.51	0.41878	0.05663	0.0106	0.03613		1.56E-03	1.69E-03	6.79E-05	1.14E-04	3.43E-03	1.42E-03	1.71E-09	9.05E-07	3.11E-06	1.43E-03	1.81E-03	1.69E-03	6.79E-05	1.14E-04	3.68E-03
25	485973.61	3855086.51	0.59667	0.06612	0.0074	0.03738		2.23E-03	1.97E-03	4.72E-05	1.18E-04	4.36E-03	2.03E-03	2.00E-09	6.29E-07	3.22E-06	2.03E-03	2.57E-03	1.97E-03	4.72E-05	1.18E-04	4.71E-03
26	486023.61	3855086.51	0.57899	0.06536	0.0075	0.03748		2.16E-03	1.95E-03	4.80E-05	1.18E-04	4.28E-03	1.97E-03	1.97E-09	6.40E-07	3.23E-06	1.97E-03	2.50E-03	1.95E-03	4.80E-05	1.18E-04	4.61E-03
27	486073.61	3855086.51	0.55226	0.06396	0.0078	0.03758		2.06E-03	1.91E-03	4.99E-05	1.19E-04	4.14E-03	1.87E-03	1.93E-09	6.65E-07	3.24E-06	1.88E-03	2.38E-03	1.91E-03	4.99E-05	1.19E-04	4.46E-03
28	486123.61	3855086.51	0.53754	0.0633	0.0082	0.03767		2.01E-03	1.89E-03	5.24E-05	1.19E-04	4.07E-03	1.82E-03	1.91E-09	6.98E-07	3.24E-06	1.83E-03	2.32E-03	1.89E-03	5.24E-05	1.19E-04	4.38E-03
29	486173.61	3855086.51	0.5162	0.06216	0.0088	0.03774		1.93E-03	1.85E-03	5.59E-05	1.19E-04	3.96E-03	1.75E-03	1.88E-09	7.46E-07	3.25E-06	1.76E-03	2.23E-03	1.85E-03	5.59E-05	1.19E-04	4.26E-03
30	486223.61	3855086.51	0.5028	0.06152	0.0094	0.03778		1.88E-03	1.84E-03	5.96E-05	1.19E-04	3.89E-03	1.71E-03	1.86E-09	7.95E-07	3.25E-06	1.71E-03	2.17E-03	1.84E-03	5.96E-05	1.19E-04	4.18E-03
31	485973.61	3855136.51	0.70058	0.071	0.0074	0.03923		2.61E-03	2.12E-03	4.75E-05	1.24E-04	4.90E-03	2.38E-03	2.14E-09	6.33E-07	3.38E-06	2.38E-03	3.02E-03	2.12E-03	4.75E-05	1.24E-04	5.31E-03
32	486023.61	3855136.51	0.6713	0.06982	0.0075	0.03934		2.50E-03	2.08E-03	4.79E-05	1.24E-04	4.76E-03	2.28E-03	2.11E-09	6.39E-07	3.39E-06	2.28E-03	2.90E-03	2.08E-03	4.79E-05	1.24E-04	5.15E-03
33	486073.61	3855136.51	0.6428	0.06859	0.0077	0.03946		2.40E-03	2.05E-03	4.91E-05	1.25E-04	4.62E-03	2.18E-03	2.07E-09	6.54E-07	3.40E-06	2.19E-03	2.77E-03	2.05E-03	4.91E-05	1.25E-04	4.99E-03
34	486123.61	3855136.51	0.61895	0.06758	0.008	0.03954		2.31E-03	2.02E-03	5.11E-05	1.25E-04	4.50E-03	2.10E-03	2.04E-09	6.81E-07	3.40E-06	2.11E-03	2.67E-03	2.02E-03	5.11E-05	1.25E-04	4.86E-03
35	486173.61	3855136.51	0.59438	0.06646	0.0085	0.0396		2.22E-03	1.98E-03	5.41E-05	1.25E-04	4.38E-03	2.02E-03	2.01E-09	7.21E-07	3.41E-06	2.02E-03	2.56E-03	1.98E-03	5.41E-05	1.25E-04	4.73E-03
36	486223.61	3855136.51	0.5736	0.06552	0.0091	0.0396		2.14E-03	1.95E-03	5.77E-05	1.25E-04	4.28E-03	1.95E-03	1.98E-09	7.70E-07	3.41E-06	1.95E-03	2.48E-03	1.95E-03	5.77E-05	1.25E-04	4.61E-03
37	485973.61	3855186.51	0.8149	0.07618	0.0075	0.04127		3.04E-03	2.27E-03	4.80E-05	1.30E-04	5.49E-03	2.77E-03	2.30E-09	6.40E-07	3.55E-06	2.77E-03	3.52E-03	2.27E-03	4.80E-05	1.30E-04	5.97E-03
38	486023.61	3855186.51	0.77914	0.07491	0.0075	0.04139		2.91E-03	2.23E-03	4.80E-05	1.31E-04	5.32E-03	2.65E-03	2.26E-09	6.40E-07	3.56E-06	2.65E-03	3.36E-03	2.23E-03	4.80E-05	1.31E-04	5.78E-03
39	486073.61	3855186.51	0.73761	0.07322	0.0077	0.0415		2.75E-03	2.18E-03	4.88E-05	1.31E-04	5.12E-03	2.50E-03	2.21E-09	6.51E-07	3.57E-06	2.51E-03	3.18E-03	2.18E-03	4.88E-05	1.31E-04	5.55E-03
40	486123.61	3855186.51	0.70051	0.07167	0.0079	0.04156		2.61E-03	2.14E-03	5.03E-05	1.31E-04	4.93E-03	2.38E-03	2.16E-09	6.71E-07	3.58E-06	2.38E-03	3.02E-03	2.14E-03	5.03E-05	1.31E-04	5.34E-03
41	486173.61	3855186.51	0.67277	0.07058	0.0083	0.04156		2.51E-03	2.11E-03	5.28E-05	1.31E-04	4.80E-03	2.28E-03	2.13E-09	7.03E-07	3.58E-06	2.29E-03	2.90E-03	2.11E-03	5.28E-05	1.31E-04	5.19E-03
42	486223.61	3855186.51	0.6471	0.06954	0.0088	0.0415		2.41E-03	2.07E-03	5.59E-05	1.31E-04	4.68E-03	2.20E-03	2.10E-09	7.46E-07	3.57E-06	2.20E-03	2.79E-03	2.07E-03	5.59E-05	1.31E-04	5.05E-03
43	486273.61	3855186.51	0.62122	0.06842	0.0094	0.04138		2.32E-03	2.04E-03	5.99E-05	1.31E-04	4.55E-03	2.11E-03	2.07E-09	7.99E-07	3.56E-06	2.11E-03	2.68E-03	2.04E-03	5.99E-05	1.31E-04	4.91E-03
44	486323.61	3855186.51	0.61819	0.06873	0.0099	0.0412		2.31E-03	2.05E-03	6.31E-05	1.30E-04	4.55E-03	2.10E-03	2.08E-09	8.41E-07	3.55E-06	2.10E-03	2.67E-03	2.05E-03	6.31E-05	1.30E-04	4.91E-03
45	485973.61	3855236.51	0.937	0.08149	0.0076	0.0435		3.50E-03	2.43E-03	4.86E-05	1.37E-04	6.11E-03	3.18E-03	2.46E-09	6.48E-07	3.75E-06	3.19E-03	4.04E-03	2.43E-03	4.86E-05	1.37E-04	6.66E-03
46	486023.61	3855236.51	0.88352	0.0796	0.0076	0.04361		3.30E-03	2.37E-03	4.86E-05	1.38E-04	5.86E-03	3.00E-03	2.40E-09	6.48E-07	3.76E-06	3.00E-03	3.81E-03	2.37E-03	4.86E-05	1.38E-04	6.37E-03
47	486073.61	3855236.51	0.83256	0.07767	0.0077	0.04368		3.11E-03	2.32E-03	4.90E-05	1.38E-04	5.61E-03	2.83E-03	2.35E-09	6.53E-07	3.76E-06	2.83E-03	3.59E-03	2.32E-03	4.90E-05	1.38E-04	6.10E-03
48	486123.61	3855236.51	0.79383	0.0763	0.0078	0.04366		2.96E-03	2.28E-03	4.99E-05	1.38E-04	5.43E-03	2.70E-03	2.30E-09	6.65E-07	3.76E-06	2.70E-03	3.43E-03	2.28E-03	4.99E-05	1.38E-04	5.89E-03
49	486173.61	3855236.51	0.7597	0.07508	0.0081	0.04357		2.83E-03	2.24E-03	5.17E-05	1.38E-04	5.26E-03	2.58E-03	2.27E-09	6.89E-07	3.75E-06	2.58E-03	3.28E-03	2.24E-03	5.17E-05	1.38E-04	5.71E-03
50	486223.61	3855236.51	0.72603	0.07378	0.0085	0.04341		2.71E-03	2.20E-03	5.44E-05	1.37E-04	5.10E-03	2.46E-03	2.23E-09	7.25E-07	3.74E-06	2.47E-03	3.13E-03	2.20E-03	5.44E-05	1.37E-04	5.53E-03
51	486273.61	3855236.51	0.68442	0.07189	0.0092	0.0432		2.55E-03	2.14E-03	5.84E-05	1.36E-04	4.89E-03	2.32E-03	2.17E-09	7.78E-07	3.72E-06	2.33E-03	2.95E-03	2.14E-03	5.84E-05	1.36E-04	5.29E-03
52	486323.61	3855236.51	0.69021	0.07287	0.0096	0.04291		2.58E-03	2.17E-03	6.12E-05	1.35E-04	4.95E-03	2.34E-03	2.20E-09	8.16E-07	3.69E-06	2.35E-03	2.98E-03	2.17E-03	6.12E-05	1.35E-04	5.35E-03
53	485973.61	3855286.51	1.06653	0.08693	0.0077	0.04588		3.98E-03	2.59E-03	4.93E-05	1.45E-04	6.77E-03	3.62E-03	2.63E-09	6.57E-07	3.95E-06	3.63E-03	4.60E-03	2.59E-03	4.93E-05	1.45E-04	7.39E-03
54	486023.61	3855286.51	0.99897	0.0847	0.0077	0.04593		3.73E-03	2.53E-03	4.94E-05	1.45E-04	6.45E-03	3.39E-03	2.56E-09	6.58E-07	3.96E-06	3.40E-03	4.31E-03	2.53E-03	4.94E-05	1.45E-04	7.03E-03
55	486073.61	3855286.51	0.9433	0.08286	0.0077	0.04589		3.52E-03	2.47E-03	4.94E-05	1.45E-04	6.19E-03	3.20E-03	2.50E-09	6.58E-07	3.95E-06	3.21E-03	4.07E-03	2.47E-03	4.94E-05	1.45E-04	6.74E-03
56	486123.61	3855286.51	0.8899	0.08095	0.0078	0.04578		3.32E-03	2.42E-03	4.99E-05	1.45E-04	5.93E-03	3.02E-03	2.44E-09	6.66E-07	3.94E-06	3.03E-03	3.84E-03	2.42E-03	4.99E-05	1.45E-04	6.45E-03
57	486173.61	3855286.51	0.84449	0.07934	0.008	0.04558		3.15E-03	2.37E-03	5.12E-05	1.44E-04	5.71E-03	2.87E-03	2.40E-09	6.82E-07	3.92E-06	2.87E-03	3.64E-03	2.37E-03	5.12E-05	1.44E-04	6.21E-03

58	486223.61	3855286.51	0.81005	0.07822	0.0083	0.04531	3.02E-03	2.33E-03	5.32E-05	1.43E-04	5.55E-03	2.75E-03	2.36E-09	7.09E-07	3.90E-06	2.75E-03	3.50E-03	2.33E-03	5.32E-05	1.43E-04	6.03E-03
59	486123.61	3855336.51	0.99168	0.08582	0.0079	0.04787	3.70E-03	2.56E-03	5.04E-05	1.51E-04	6.46E-03	3.37E-03	2.59E-09	6.72E-07	4.12E-06	3.37E-03	4.28E-03	2.56E-03	5.04E-05	1.51E-04	7.04E-03
60	486173.61	3855336.51	0.94443	0.08435	0.008	0.04755	3.52E-03	2.52E-03	5.10E-05	1.50E-04	6.24E-03	3.21E-03	2.55E-09	6.80E-07	4.09E-06	3.21E-03	4.08E-03	2.52E-03	5.10E-05	1.50E-04	6.79E-03
61	486223.61	3855336.51	0.89861	0.08284	0.0082	0.04719	3.35E-03	2.47E-03	5.25E-05	1.49E-04	6.03E-03	3.05E-03	2.50E-09	7.00E-07	4.06E-06	3.06E-03	3.88E-03	2.47E-03	5.25E-05	1.49E-04	6.55E-03
62	486123.61	3855386.51	1.10322	0.09111	0.008	0.04995	4.12E-03	2.72E-03	5.10E-05	1.58E-04	7.04E-03	3.75E-03	2.75E-09	6.80E-07	4.30E-06	3.75E-03	4.76E-03	2.72E-03	5.10E-05	1.58E-04	7.69E-03
63	486173.61	3855386.51	1.04743	0.0895	0.008	0.04955	3.91E-03	2.67E-03	5.12E-05	1.56E-04	6.79E-03	3.56E-03	2.70E-09	6.83E-07	4.27E-06	3.56E-03	4.52E-03	2.67E-03	5.12E-05	1.56E-04	7.40E-03
64	486223.61	3855386.51	0.99859	0.08804	0.0082	0.04912	3.73E-03	2.63E-03	5.20E-05	1.55E-04	6.56E-03	3.39E-03	2.66E-09	6.94E-07	4.23E-06	3.40E-03	4.31E-03	2.63E-03	5.20E-05	1.55E-04	7.14E-03
65	486533.18	3855443.15	0.87012	0.08678	0.011	0.04888	3.25E-03	2.59E-03	7.02E-05	1.54E-04	6.06E-03	2.95E-03	2.62E-09	9.36E-07	4.21E-06	2.96E-03	3.75E-03	2.59E-03	7.02E-05	1.54E-04	6.57E-03
66	486583.18	3855443.15	0.83656	0.08555	0.0115	0.04851	3.12E-03	2.55E-03	7.33E-05	1.53E-04	5.90E-03	2.84E-03	2.58E-09	9.77E-07	4.18E-06	2.85E-03	3.61E-03	2.55E-03	7.33E-05	1.53E-04	6.39E-03
67	486633.18	3855443.15	0.80524	0.08436	0.0118	0.04816	3.00E-03	2.52E-03	7.51E-05	1.52E-04	5.75E-03	2.73E-03	2.55E-09	1.00E-06	4.15E-06	2.74E-03	3.47E-03	2.52E-03	7.51E-05	1.52E-04	6.22E-03
68	486683.18	3855443.15	0.78237	0.08364	0.0118	0.0478	2.92E-03	2.50E-03	7.53E-05	1.51E-04	5.64E-03	2.66E-03	2.53E-09	1.00E-06	4.12E-06	2.66E-03	3.38E-03	2.50E-03	7.53E-05	1.51E-04	6.10E-03
69	486533.18	3855493.15	0.94346	0.09152	0.0108	0.05108	3.52E-03	2.73E-03	6.86E-05	1.61E-04	6.48E-03	3.20E-03	2.76E-09	9.14E-07	4.40E-06	3.21E-03	4.07E-03	2.73E-03	6.86E-05	1.61E-04	7.03E-03
70	486583.18	3855493.15	0.90852	0.09034	0.0113	0.05066	3.39E-03	2.70E-03	7.21E-05	1.60E-04	6.32E-03	3.08E-03	2.73E-09	9.62E-07	4.36E-06	3.09E-03	3.92E-03	2.70E-03	7.21E-05	1.60E-04	6.85E-03
71	486633.18	3855493.15	0.87402	0.08909	0.0117	0.05024	3.26E-03	2.66E-03	7.48E-05	1.59E-04	6.15E-03	2.97E-03	2.69E-09	9.98E-07	4.33E-06	2.97E-03	3.77E-03	2.66E-03	7.48E-05	1.59E-04	6.66E-03
72	486683.18	3855493.15	0.8422	0.0879	0.0119	0.04982	3.14E-03	2.62E-03	7.62E-05	1.57E-04	6.00E-03	2.86E-03	2.65E-09	1.02E-06	4.29E-06	2.86E-03	3.63E-03	2.62E-03	7.62E-05	1.57E-04	6.49E-03
73	486533.18	3855543.15	1.02518	0.0968	0.0104	0.05338	3.83E-03	2.89E-03	6.66E-05	1.69E-04	6.95E-03	3.48E-03	2.92E-09	8.88E-07	4.60E-06	3.49E-03	4.42E-03	2.89E-03	6.66E-05	1.69E-04	7.55E-03
74	486583.18	3855543.15	0.9763	0.0949	0.0111	0.05289	3.64E-03	2.83E-03	7.10E-05	1.67E-04	6.71E-03	3.31E-03	2.87E-09	9.47E-07	4.55E-06	3.32E-03	4.21E-03	2.83E-03	7.10E-05	1.67E-04	7.28E-03
75	486633.18	3855543.15	0.94044	0.09369	0.0117	0.05238	3.51E-03	2.80E-03	7.43E-05	1.65E-04	6.54E-03	3.19E-03	2.83E-09	9.91E-07	4.51E-06	3.20E-03	4.06E-03	2.80E-03	7.43E-05	1.65E-04	7.09E-03
76	486683.18	3855543.15	0.8967	0.09185	0.0121	0.05188	3.35E-03	2.74E-03	7.70E-05	1.64E-04	6.33E-03	3.04E-03	2.77E-09	1.03E-06	4.47E-06	3.05E-03	3.87E-03	2.74E-03	7.70E-05	1.64E-04	6.85E-03
77	486533.18	3855593.15	1.10445	0.10195	0.0102	0.05575	4.12E-03	3.04E-03	6.48E-05	1.76E-04	7.40E-03	3.75E-03	3.08E-09	8.64E-07	4.80E-06	3.76E-03	4.77E-03	3.04E-03	6.48E-05	1.76E-04	8.05E-03
78	486583.18	3855593.15	1.05439	0.10015	0.0109	0.05515	3.93E-03	2.99E-03	6.92E-05	1.74E-04	7.17E-03	3.58E-03	3.02E-09	9.23E-07	4.75E-06	3.59E-03	4.55E-03	2.99E-03	6.92E-05	1.74E-04	7.78E-03
79	486633.18	3855593.15	1.0104	0.09855	0.0115	0.05454	3.77E-03	2.94E-03	7.33E-05	1.72E-04	6.96E-03	3.43E-03	2.98E-09	9.77E-07	4.70E-06	3.44E-03	4.36E-03	2.94E-03	7.33E-05	1.72E-04	7.55E-03
80	486683.18	3855593.15	0.97409	0.09732	0.0119	0.05392	3.63E-03	2.90E-03	7.62E-05	1.70E-04	6.78E-03	3.31E-03	2.94E-09	1.02E-06	4.64E-06	3.31E-03	4.20E-03	2.90E-03	7.62E-05	1.70E-04	7.35E-03
81	486533.18	3855643.15	1.18988	0.10753	0.0099	0.05814	4.44E-03	3.21E-03	6.31E-05	1.84E-04	7.89E-03	4.04E-03	3.25E-09	8.41E-07	5.01E-06	4.05E-03	5.13E-03	3.21E-03	6.31E-05	1.84E-04	8.59E-03
82	486583.18	3855643.15	1.1368	0.10571	0.0106	0.05741	4.24E-03	3.15E-03	6.73E-05	1.81E-04	7.64E-03	3.86E-03	3.19E-09	8.97E-07	4.94E-06	3.87E-03	4.91E-03	3.15E-03	6.73E-05	1.81E-04	8.31E-03
83	486633.18	3855643.15	1.08735	0.10391	0.0112	0.05669	4.06E-03	3.10E-03	7.17E-05	1.79E-04	7.41E-03	3.69E-03	3.14E-09	9.56E-07	4.88E-06	3.70E-03	4.69E-03	3.10E-03	7.17E-05	1.79E-04	8.04E-03
84	486683.18	3855643.15	1.04394	0.10234	0.0118	0.05596	3.90E-03	3.05E-03	7.54E-05	1.77E-04	7.20E-03	3.54E-03	3.09E-09	1.01E-06	4.82E-06	3.55E-03	4.50E-03	3.05E-03	7.54E-05	1.77E-04	7.81E-03
85	486533.18	3855693.15	1.28752	0.11382	0.0096	0.06051	4.80E-03	3.40E-03	6.15E-05	1.91E-04	8.45E-03	4.37E-03	3.44E-09	8.20E-07	5.21E-06	4.38E-03	5.56E-03	3.40E-03	6.15E-05	1.91E-04	9.20E-03
86	486583.18	3855693.15	1.21691	0.11114	0.0103	0.05968	4.54E-03	3.32E-03	6.56E-05	1.88E-04	8.11E-03	4.13E-03	3.36E-09	8.75E-07	5.14E-06	4.14E-03	5.25E-03	3.32E-03	6.56E-05	1.88E-04	8.82E-03
87	486633.18	3855693.15	1.1506	0.10846	0.0111	0.05885	4.29E-03	3.24E-03	7.05E-05	1.86E-04	7.79E-03	3.91E-03	3.28E-09	9.41E-07	5.07E-06	3.91E-03	4.96E-03	3.24E-03	7.05E-05	1.86E-04	8.46E-03
88	486683.18	3855693.15	1.11614	0.10758	0.0116	0.05798	4.16E-03	3.21E-03	7.42E-05	1.83E-04	7.63E-03	3.79E-03	3.25E-09	9.90E-07	4.99E-06	3.80E-03	4.82E-03	3.21E-03	7.42E-05	1.83E-04	8.28E-03
89	486733.18	3855693.15	1.09402	0.10739	0.012	0.05711	4.08E-03	3.20E-03	7.65E-05	1.80E-04	7.54E-03	3.71E-03	3.24E-09	1.02E-06	4.92E-06	3.72E-03	4.72E-03	3.20E-03	7.65E-05	1.80E-04	8.18E-03
90	486783.18	3855693.15	1.07812	0.10761	0.0121	0.05624	4.02E-03	3.21E-03	7.71E-05	1.78E-04	7.49E-03	3.66E-03	3.25E-09	1.03E-06	4.84E-06	3.67E-03	4.65E-03	3.21E-03	7.71E-05	1.78E-04	8.12E-03
91	486533.18	3855743.15	1.38155	0.11989	0.0095	0.06284	5.16E-03	3.58E-03	6.05E-05	1.98E-04	8.99E-03	4.69E-03	3.62E-09	8.07E-07	5.41E-06	4.70E-03	5.96E-03	3.58E-03	6.05E-05	1.98E-04	9.80E-03
92	486583.18	3855743.15	1.29382	0.11639	0.0101	0.0619	4.83E-03	3.47E-03	6.44E-05	1.95E-04	8.56E-03	4.39E-03	3.51E-09	8.59E-07	5.33E-06	4.40E-03	5.58E-03	3.47E-03	6.44E-05	1.95E-04	9.32E-03
93	486633.18	3855743.15	1.2317	0.11415	0.0108	0.06092	4.60E-03	3.41E-03	6.88E-05	1.92E-04	8.26E-03	4.18E-03	3.45E-09	9.17E-07	5.25E-06	4.19E-03	5.31E-03	3.41E-03	6.88E-05	1.92E-04	8.98E-03
94	486683.18	3855743.15	1.20125	0.11367	0.0113	0.0599	4.48E-03	3.39E-03	7.23E-05	1.89E-04	8.14E-03	4.08E-03	3.43E-09	9.64E-07	5.16E-06	4.08E-03	5.18E-03	3.39E-03	7.23E-05	1.89E-04	8.84E-03
95	486733.18	3855743.15	1.16319	0.1126	0.0119	0.05893	4.34E-03	3.36E-03	7.58E-05	1.86E-04	7.96E-03	3.95E-03	3.40E-09	1.01E-06	5.07E-06	3.96E-03	5.02E-03	3.36E-03	7.58E-05	1.86E-04	8.64E-03
96	486783.18	3855743.15	1.15207	0.11322	0.0121	0.05792	4.30E-03	3.38E-03	7.69E-05	1.83E-04	7.94E-03	3.91E-03	3.42E-09	1.03E-06	4.99E-06	3.92E-03	4.97E-03	3.38E-03	7.69E-05	1.83E-04	8.61E-03
97	486533.18	3855793.15	1.48306	0.1264	0.0094	0.06503	5.53E-03	3.77E-03	6.01E-05	2.05E-04	9.57E-03	5.04E-03	3.82E-09	8.01E-07	5.60E-06	5.04E-03	6.40E-03	3.77E-03	6.01E-05	2.05E-04	1.04E-02
98	486583.18	3855793.15	1.36802	0.12149	0.01	0.06399	5.10E-03	3.62E-03	6.36E-05	2.02E-04	8.99E-03	4.64E-03	3.67E-09	8.48E-07	5.51E-06	4.65E-03	5.90E-03	3.62E-03	6.36E-05	2.02E-04	9.79E-03
99	486633.18	3855793.15	1.32951	0.12081	0.0105	0.0628	4.96E-03	3.60E-03	6.67E-05	1.98E-04	8.83E-03	4.51E-03	3.65E-09	8.90E-07	5.41E-06	4.52E-03	5.74E-03	3.60E-03	6.67E-05	1.98E-04	9.61E-03
100	486683.18	3855793.15	1.29575	0.12031	0.011	0.06164	4.84E-03	3.59E-03	7.02E-05	1.95E-04	8.69E-03	4.40E-03	3.63E-09	9.36E-07	5.31E-06	4.41E-03	5.59E-03	3.59E-03	7.02E-05	1.95E-04	9.45E-03
101	486733.18	3855793.15	1.25742	0.11941	0.0116	0.06052	4.69E-03	3.56E-03	7.38E-05	1.91E-04	8.52E-03	4.27E-03	3.61E-09	9.84E-07	5.21E-06	4.28E-03	5.43E-03	3.56E-03	7.38E-05	1.91E-04	9.25E-03
102	486783.18	3855793.15	1.22536	0.1188	0.012	0.05943	4.57E-03	3.54E-03	7.65E-05	1.88E-04	8.38E-03	4.16E-03	3.59E-09	1.02E-06	5.12E-06	4.17E-03	5.29E-03	3.54E-03	7.65E-05	1.88E-04	9.10E-03
103	486533.18	3855843.15	1.57139	0.13203	0.0095	0.06702	5.86E-03	3.94E-03	6.04E-05	2.12E-04	1.01E-02	5.33E-03	3.99E-09	8.05E-07	5.77E-06	5.34E-03	6.78E-03	3.94E-03	6.04E-05	2.12E-04	1.10E-02
104	486583.18	3855843.15	1.46792	0.12801	0.0098	0.06579	5.48E-03	3.82E-03	6.28E-05	2.08E-04	9.57E-03	4.98E-03	3.87E-09	8.37E-07	5.67E-06	4.99E-03	6.33E-03	3.82E-03	6.28E-05	2.08E-04	1.04E-02
105	486633.18	3855843.15	1.42591	0.12733	0.0102	0.06444	5.32E-03	3.80E-03	6.53E-05	2.03E-04	9.39E-03	4.84E-03	3.85E-09	8.70E-07	5.55E-06	4.85E-03	6.15E-03	3.80E-03	6.53E-05	2.03E-04	1.02E-02
106	486683.18	3855843.15	1.38706	0.12671	0.0107	0.06314	5.18E-03	3.78E-03	6.85E-05	1.99E-04	9.22E-03	4.71E-03	3.83E-09	9.13E-07	5.44E-06	4.72E-03	5.99E-03	3.78E-03	6.85E-05	1.99E-04	1.00E-02
107	486733.18	3855843.15	1.34981	0.12613	0.0113	0.06188	5.04E-03	3.76E-03	7.19E-05	1.95E-04	9.07E-03	4.58E-03	3.81E-09	9.59E-07	5.33E-06	4.59E-03	5.82E-03	3.76E-03	7.19E-05	1.95E-04	9.85E-03
108	486783.18	3855843.15	1.3112	0.12528	0.0118	0.06067	4.89E-03	3.74E-03	7.52E-05	1.92E-04	8.90E-03	4.45E-03	3.78E-09	1.00E-06	5.22E-06	4.46E-03	5.66E-03	3.74E-03	7.52E-05	1.92E-04	9.66E-03
109	486533.18	3855893.15	1.6388	0.13637	0.0097	0.06874	6.12E-03	4.07E-03	6.16E-05	2.17E-04	1.05E-02	5.56E-03	4.12E-09	8.21E-07	5.92E-06	5.57E-03	7.07E-03	4.07E-03	6.16E-05	2.17E-04	1.14E-02
110	486583.18	3855893.15	1.58266	0.1353	0.0098	0.06722	5.91E-03	4.04E-03	6.24E-05	2.12E-04	1.02E-02	5.37E-03	4.09E-09	8.32E-07	5.79E-06	5.38E-03	6.83E-03	4.04E-03	6.24E-05	2.12E-04	1.11E-02
111	486633.18	3855893.15	1.52791	0.13412	0.0101	0.06575	5.70E-03	4.00E-03	6.43E-05	2.08E-04	9.97E-03	5.19E-03	4.05E-09	8.57E-07	5.66E-06	5.19E-03	6.59E-03	4.00E-03	6.43E-05	2.08E-04	1.09E-02
112	486683.18	3855893.15	1.48325	0.13338	0.0105	0.06432	5.53E-03	3.98E-03	6.70E-05	2.03E-04	9.78E-03	5.04E-03	4.03E-09	8.94E-07	5.54E-06	5.04E-03	6.40E-03	3.98E-03	6.70E-05	2.03E-04	1.06E-02
113	486733.18	3855893.15	1.44094	0.13264	0.011	0.06294	5.38E-03	3.96E-03	7.04E-05	1.99E-04	9.60E-03	4.89E-03	4.01E-09	9.39E-07	5.42E-06	4.90E-03	6.22E-03	3.96E-03	7.04E-05	1.99E-04	1.04E-02
114	486783.18	3855893.15	1.40549	0.13228	0.0115	0.0616	5.24E-03	3.95E-03	7.35E-05	1.94E-04	9.46E-03	4.77E-03	3.99E-09	9.81E-07	5.30E-06	4.78E-03	6.06E-03	3.95E-03	7.35E-05	1.94E-04	1.03E-02
115	486533.18	3855943.15	1.74976	0.14297	0.0098	0.06999	6.53E-03	4.27E-03	6.26E-05	2.21E-04	1.11E-02	5.94E-03	4.32E-09	8.34E-07	6.03E-06	5.95E-03	7.55E-03	4.27E-03	6.26E-05	2.21E-04	1.21E-02
116	486583.18	3855943.15	1.70633	0.14289	0.0098	0.06828	6.37E-03	4.26E-03	6.26E-05	2.16E-04	1.09E-02	5.79E-03	4.32E-09	8.35E-07	5.88E-06	5.80E-03	7.36E-03	4.26E-03	6.26E-05	2.16E-04	1.19E-02
117	486633.18	3855943.15	1.63763	0.1412	0.01	0.06671	6.11E-03	4.21E-03	6.39E-05	2.11E-04	1.06E-02	5.56E-03	4.26E-09	8.52E-07	5.74E-06	5.57E-03	7.07E-03	4.21E-03	6.39E-05	2.11E-04	1.16E-02
118	486683.18	3855943.15	1.59292	0.14073	0.0103	0.06515	5.94E-03	4.20E-03	6.59E-05	2.06E-04	1.04E-02	5.41E-03	4.25E-09	8.79E-07	5.61E-06	5.41E-03	6.87E-03	4.20E-03	6.59E-05	2.06E-04	1.13E-02

119	486733.18	3855943.15	1.53844	0.13948	0.0108	0.06369	5.74E-03	4.16E-03	6.90E-05	2.01E-04	1.02E-02	5.22E-03	4.21E-09	9.19E-07	5.48E-06	5.23E-03	6.64E-03	4.16E-03	6.90E-05	2.01E-04	1.11E-02
120	486783.18	3855943.15	1.50043	0.13917	0.0113	0.06225	5.60E-03	4.15E-03	7.21E-05	1.97E-04	1.00E-02	5.09E-03	4.20E-09	9.61E-07	5.36E-06	5.10E-03	6.47E-03	4.15E-03	7.21E-05	1.97E-04	1.09E-02
121	486533.18	3855993.15	1.88964	0.15077	0.01	0.07082	7.05E-03	4.50E-03	6.36E-05	2.24E-04	1.18E-02	6.42E-03	4.55E-09	8.48E-07	6.10E-06	6.42E-03	8.15E-03	4.50E-03	6.36E-05	2.24E-04	1.29E-02
122	486583.18	3855993.15	1.82269	0.14976	0.01	0.06903	6.80E-03	4.47E-03	6.35E-05	2.18E-04	1.16E-02	6.19E-03	4.52E-09	8.46E-07	5.94E-06	6.19E-03	7.87E-03	4.47E-03	6.35E-05	2.18E-04	1.26E-02
123	486633.18	3855993.15	1.7565	0.14854	0.01	0.06733	6.55E-03	4.43E-03	6.40E-05	2.13E-04	1.13E-02	5.96E-03	4.49E-09	8.54E-07	5.80E-06	5.97E-03	7.58E-03	4.43E-03	6.40E-05	2.13E-04	1.23E-02
124	486683.18	3855993.15	1.70392	0.14792	0.0103	0.06569	6.36E-03	4.41E-03	6.54E-05	2.07E-04	1.10E-02	5.78E-03	4.47E-09	8.72E-07	5.66E-06	5.79E-03	7.35E-03	4.41E-03	6.54E-05	2.07E-04	1.20E-02
125	486733.18	3855993.15	1.64558	0.14673	0.0106	0.06414	6.14E-03	4.38E-03	6.79E-05	2.03E-04	1.08E-02	5.59E-03	4.43E-09	9.05E-07	5.52E-06	5.59E-03	7.10E-03	4.38E-03	6.79E-05	2.03E-04	1.17E-02
126	486783.18	3855993.15	1.59609	0.14594	0.0111	0.06265	5.96E-03	4.35E-03	7.09E-05	1.98E-04	1.06E-02	5.42E-03	4.41E-09	9.45E-07	5.39E-06	5.43E-03	6.89E-03	4.35E-03	7.09E-05	1.98E-04	1.15E-02
127	486533.18	3856043.15	2.03527	0.15847	0.0101	0.07133	7.59E-03	4.73E-03	6.46E-05	2.25E-04	1.26E-02	6.91E-03	4.79E-09	8.62E-07	6.14E-06	6.92E-03	8.78E-03	4.73E-03	6.46E-05	2.25E-04	1.38E-02
128	486583.18	3856043.15	1.96555	0.15774	0.0101	0.06943	7.33E-03	4.71E-03	6.44E-05	2.19E-04	1.23E-02	6.67E-03	4.76E-09	8.59E-07	5.98E-06	6.68E-03	8.48E-03	4.71E-03	6.44E-05	2.19E-04	1.35E-02
129	486633.18	3856043.15	1.88392	0.15606	0.0102	0.06767	7.03E-03	4.66E-03	6.47E-05	2.14E-04	1.20E-02	6.40E-03	4.71E-09	8.63E-07	5.83E-06	6.40E-03	8.13E-03	4.66E-03	6.47E-05	2.14E-04	1.31E-02
130	486683.18	3856043.15	1.82645	0.15552	0.0103	0.06595	6.82E-03	4.64E-03	6.54E-05	2.08E-04	1.17E-02	6.20E-03	4.70E-09	8.72E-07	5.68E-06	6.21E-03	7.88E-03	4.64E-03	6.54E-05	2.08E-04	1.28E-02
131	486733.18	3856043.15	1.75666	0.15397	0.0106	0.06436	6.55E-03	4.59E-03	6.73E-05	2.03E-04	1.14E-02	5.96E-03	4.65E-09	8.97E-07	5.54E-06	5.97E-03	7.58E-03	4.59E-03	6.73E-05	2.03E-04	1.24E-02
132	486783.18	3856043.15	1.70846	0.15365	0.0109	0.0628	6.38E-03	4.58E-03	6.97E-05	1.98E-04	1.12E-02	5.80E-03	4.64E-09	9.30E-07	5.41E-06	5.81E-03	7.37E-03	4.58E-03	6.97E-05	1.98E-04	1.22E-02
133	486533.18	3856093.15	2.20955	0.16709	0.0102	0.07153	8.24E-03	4.98E-03	6.53E-05	2.26E-04	1.35E-02	7.50E-03	5.05E-09	8.71E-07	6.16E-06	7.51E-03	9.53E-03	4.98E-03	6.53E-05	2.26E-04	1.48E-02
134	486583.18	3856093.15	2.11524	0.16561	0.0103	0.06961	7.89E-03	4.94E-03	6.55E-05	2.20E-04	1.31E-02	7.18E-03	5.00E-09	8.73E-07	5.99E-06	7.19E-03	9.13E-03	4.94E-03	6.55E-05	2.20E-04	1.44E-02
135	486633.18	3856093.15	2.02685	0.16405	0.0103	0.06778	7.56E-03	4.89E-03	6.56E-05	2.14E-04	1.27E-02	6.88E-03	4.95E-09	8.75E-07	5.84E-06	6.89E-03	8.75E-03	4.89E-03	6.56E-05	2.14E-04	1.39E-02
136	486683.18	3856093.15	1.95547	0.16313	0.0103	0.06603	7.30E-03	4.87E-03	6.60E-05	2.08E-04	1.24E-02	6.64E-03	4.93E-09	8.79E-07	5.69E-06	6.65E-03	8.44E-03	4.87E-03	6.60E-05	2.08E-04	1.36E-02
137	486733.18	3856093.15	1.88106	0.16172	0.0105	0.06439	7.02E-03	4.82E-03	6.72E-05	2.03E-04	1.21E-02	6.39E-03	4.88E-09	8.96E-07	5.54E-06	6.39E-03	8.12E-03	4.82E-03	6.72E-05	2.03E-04	1.32E-02
138	486783.18	3856093.15	1.82027	0.16095	0.0108	0.06281	6.79E-03	4.80E-03	6.91E-05	1.98E-04	1.19E-02	6.18E-03	4.86E-09	9.21E-07	5.41E-06	6.19E-03	7.85E-03	4.80E-03	6.91E-05	1.98E-04	1.29E-02
139	486533.18	3856143.15	2.39061	0.17535	0.0103	0.07157	8.92E-03	5.23E-03	6.58E-05	2.26E-04	1.44E-02	8.12E-03	5.30E-09	8.78E-07	6.16E-06	8.12E-03	1.03E-02	5.23E-03	6.58E-05	2.26E-04	1.58E-02
140	486583.18	3856143.15	2.27142	0.17323	0.0104	0.06963	8.48E-03	5.17E-03	6.66E-05	2.20E-04	1.39E-02	7.71E-03	5.23E-09	8.88E-07	6.00E-06	7.72E-03	9.80E-03	5.17E-03	6.66E-05	2.20E-04	1.53E-02
141	486633.18	3856143.15	2.18153	0.17214	0.0105	0.06774	8.14E-03	5.14E-03	6.67E-05	2.14E-04	1.36E-02	7.41E-03	5.20E-09	8.90E-07	5.83E-06	7.41E-03	9.41E-03	5.14E-03	6.67E-05	2.14E-04	1.48E-02
142	486683.18	3856143.15	2.09393	0.17079	0.0105	0.06597	7.81E-03	5.10E-03	6.69E-05	2.08E-04	1.32E-02	7.11E-03	5.16E-09	8.92E-07	5.68E-06	7.12E-03	9.04E-03	5.10E-03	6.69E-05	2.08E-04	1.44E-02
143	486733.18	3856143.15	2.01324	0.1695	0.0106	0.06429	7.51E-03	5.06E-03	6.76E-05	2.03E-04	1.28E-02	6.83E-03	5.12E-09	9.01E-07	5.54E-06	6.84E-03	8.69E-03	5.06E-03	6.76E-05	2.03E-04	1.40E-02
144	486783.18	3856143.15	1.95295	0.16933	0.0108	0.06266	7.29E-03	5.05E-03	6.88E-05	1.98E-04	1.26E-02	6.63E-03	5.11E-09	9.18E-07	5.40E-06	6.64E-03	8.43E-03	5.05E-03	6.88E-05	1.98E-04	1.37E-02
145	486533.18	3856193.15	2.60613	0.18436	0.0103	0.07146	9.72E-03	5.50E-03	6.58E-05	2.26E-04	1.55E-02	8.85E-03	5.57E-09	8.78E-07	6.15E-06	8.85E-03	1.12E-02	5.50E-03	6.58E-05	2.26E-04	1.70E-02
146	486583.18	3856193.15	2.45672	0.18158	0.0105	0.0695	9.17E-03	5.42E-03	6.72E-05	2.19E-04	1.49E-02	8.34E-03	5.48E-09	8.96E-07	5.98E-06	8.35E-03	1.06E-02	5.42E-03	6.72E-05	2.19E-04	1.63E-02
147	486633.18	3856193.15	2.3501	0.18028	0.0106	0.06759	8.77E-03	5.38E-03	6.78E-05	2.13E-04	1.44E-02	7.98E-03	5.44E-09	9.04E-07	5.82E-06	7.99E-03	1.01E-02	5.38E-03	6.78E-05	2.13E-04	1.58E-02
148	486683.18	3856193.15	2.26321	0.17967	0.0106	0.06575	8.45E-03	5.36E-03	6.79E-05	2.08E-04	1.41E-02	7.68E-03	5.43E-09	9.05E-07	5.66E-06	7.69E-03	9.77E-03	5.36E-03	6.79E-05	2.08E-04	1.54E-02
149	486733.18	3856193.15	2.16339	0.17785	0.0107	0.06406	8.07E-03	5.31E-03	6.84E-05	2.02E-04	1.36E-02	7.34E-03	5.37E-09	9.12E-07	5.52E-06	7.35E-03	9.34E-03	5.31E-03	6.84E-05	2.02E-04	1.49E-02
150	486783.18	3856193.15	2.09192	0.17755	0.0108	0.0624	7.81E-03	5.30E-03	6.91E-05	1.97E-04	1.34E-02	7.10E-03	5.36E-09	9.22E-07	5.37E-06	7.11E-03	9.03E-03	5.30E-03	6.91E-05	1.97E-04	1.46E-02
151	486533.18	3856243.15	2.84079	0.19308	0.0103	0.07125	1.06E-02	5.76E-03	6.56E-05	2.25E-04	1.67E-02	9.64E-03	5.83E-09	8.75E-07	6.14E-06	9.65E-03	1.23E-02	5.76E-03	6.56E-05	2.25E-04	1.83E-02
152	486583.18	3856243.15	2.68334	0.19094	0.0106	0.06922	1.00E-02	5.70E-03	6.74E-05	2.19E-04	1.60E-02	9.11E-03	5.77E-09	8.98E-07	5.96E-06	9.12E-03	1.16E-02	5.70E-03	6.74E-05	2.19E-04	1.76E-02
153	486633.18	3856243.15	2.54706	0.18904	0.0107	0.06729	9.50E-03	5.64E-03	6.85E-05	2.12E-04	1.54E-02	8.65E-03	5.71E-09	9.13E-07	5.79E-06	8.65E-03	1.10E-02	5.64E-03	6.85E-05	2.12E-04	1.69E-02
154	486683.18	3856243.15	2.43338	0.18771	0.0108	0.06544	9.08E-03	5.60E-03	6.91E-05	2.07E-04	1.50E-02	8.26E-03	5.67E-09	9.21E-07	5.64E-06	8.27E-03	1.05E-02	5.60E-03	6.91E-05	2.07E-04	1.64E-02
155	486733.18	3856243.15	2.33554	0.18683	0.0109	0.06367	8.71E-03	5.57E-03	6.93E-05	2.01E-04	1.46E-02	7.93E-03	5.64E-09	9.24E-07	5.48E-06	7.94E-03	1.01E-02	5.57E-03	6.93E-05	2.01E-04	1.59E-02
156	486783.18	3856243.15	2.23679	0.18542	0.011	0.06201	8.35E-03	5.53E-03	7.00E-05	1.96E-04	1.41E-02	7.59E-03	5.60E-09	9.33E-07	5.34E-06	7.60E-03	9.65E-03	5.53E-03	7.00E-05	1.96E-04	1.54E-02
157	486533.18	3856293.15	3.12496	0.20241	0.0102	0.07085	1.17E-02	6.04E-03	6.51E-05	2.24E-04	1.80E-02	1.06E-02	6.11E-09	8.68E-07	6.10E-06	1.06E-02	1.35E-02	6.04E-03	6.51E-05	2.24E-04	1.98E-02
158	486583.18	3856293.15	2.9307	0.19991	0.0105	0.06879	1.09E-02	5.96E-03	6.72E-05	2.17E-04	1.72E-02	9.95E-03	6.04E-09	8.96E-07	5.92E-06	9.96E-03	1.26E-02	5.96E-03	6.72E-05	2.17E-04	1.89E-02
159	486633.18	3856293.15	2.7711	0.198	0.0108	0.06681	1.03E-02	5.91E-03	6.89E-05	2.11E-04	1.65E-02	9.41E-03	5.98E-09	9.19E-07	5.75E-06	9.41E-03	1.20E-02	5.91E-03	6.89E-05	2.11E-04	1.81E-02
160	486683.18	3856293.15	2.63295	0.19636	0.011	0.06492	9.82E-03	5.86E-03	6.99E-05	2.05E-04	1.60E-02	8.94E-03	5.93E-09	9.32E-07	5.59E-06	8.95E-03	1.14E-02	5.86E-03	6.99E-05	2.05E-04	1.75E-02
161	486733.18	3856293.15	2.52183	0.19567	0.011	0.0631	9.41E-03	5.84E-03	7.04E-05	1.99E-04	1.55E-02	8.56E-03	5.91E-09	9.39E-07	5.43E-06	8.57E-03	1.09E-02	5.84E-03	7.04E-05	1.99E-04	1.70E-02
162	486783.18	3856293.15	2.40482	0.19399	0.0111	0.06142	8.97E-03	5.79E-03	7.10E-05	1.94E-04	1.50E-02	8.16E-03	5.86E-09	9.47E-07	5.29E-06	8.17E-03	1.04E-02	5.79E-03	7.10E-05	1.94E-04	1.64E-02
163	486783.18	3856343.15	2.60456	0.2036	0.0113	0.06057	9.72E-03	6.07E-03	7.20E-05	1.91E-04	1.61E-02	8.84E-03	6.15E-09	9.60E-07	5.22E-06	8.85E-03	1.12E-02	6.07E-03	7.20E-05	1.91E-04	1.76E-02
164	486833.18	3856343.15	2.48336	0.2022	0.0114	0.05894	9.27E-03	6.03E-03	7.27E-05	1.86E-04	1.56E-02	8.43E-03	6.11E-09	9.70E-07	5.08E-06	8.44E-03	1.07E-02	6.03E-03	7.27E-05	1.86E-04	1.70E-02
165	486883.18	3856343.15	2.37344	0.20094	0.0116	0.0574	8.86E-03	5.99E-03	7.39E-05	1.81E-04	1.51E-02	8.06E-03	6.07E-09	9.85E-07	4.94E-06	8.06E-03	1.02E-02	5.99E-03	7.39E-05	1.81E-04	1.65E-02
166	486783.18	3856393.15	2.80945	0.21184	0.0115	0.05952	1.05E-02	6.32E-03	7.32E-05	1.88E-04	1.71E-02	9.54E-03	6.40E-09	9.76E-07	5.13E-06	9.54E-03	1.21E-02	6.32E-03	7.32E-05	1.88E-04	1.87E-02
167	486833.18	3856393.15	2.6701	0.21051	0.0116	0.05789	9.96E-03	6.28E-03	7.40E-05	1.83E-04	1.65E-02	9.07E-03	6.36E-09	9.87E-07	4.98E-06	9.07E-03	1.15E-02	6.28E-03	7.40E-05	1.83E-04	1.81E-02
168	486883.18	3856393.15	2.53449	0.20837	0.0118	0.05637	9.46E-03	6.22E-03	7.51E-05	1.78E-04	1.59E-02	8.60E-03	6.29E-09	1.00E-06	4.85E-06	8.61E-03	1.09E-02	6.22E-03	7.51E-05	1.78E-04	1.74E-02
169	487208.74	3856886.11	3.55376	0.27209	0.0168	0.03453	1.33E-02	8.12E-03	1.07E-04	1.09E-04	2.16E-02	1.21E-02	8.22E-09	1.43E-06	2.97E-06	1.21E-02	1.53E-02	8.12E-03	1.07E-04	1.09E-04	2.37E-02
170	487258.74	3856886.11	3.25908	0.26834	0.0174	0.03408	1.22E-02	8.01E-03	1.11E-04	1.08E-04	2.04E-02	1.11E-02	8.10E-09	1.48E-06	2.93E-06	1.11E-02	1.41E-02	8.01E-03	1.11E-04	1.08E-04	2.23E-02
171	487308.74	3856886.11	3.0045	0.26498	0.0181	0.03367	1.12E-02	7.91E-03	1.16E-04	1.06E-04	1.93E-02	1.02E-02	8.00E-09	1.54E-06	2.90E-06	1.02E-02	1.30E-02	7.91E-03	1.16E-04	1.06E-04	2.11E-02
172	487358.74	3856886.11	2.78233	0.26116	0.019	0.03329	1.04E-02	7.79E-03	1.21E-04	1.05E-04	1.84E-02	9.45E-03	7.89E-09	1.61E-06	2.87E-06	9.45E-03	1.20E-02	7.79E-03	1.21E-04	1.05E-04	2.00E-02
173	487208.74	3856936.11	3.83197	0.2793	0.0173	0.03329	1.43E-02	8.33E-03	1.11E-04	1.05E-04	2.28E-02	1.30E-02	8.43E-09	1.47E-06	2.87E-06	1.30E-02	1.65E-02	8.33E-03	1.11E-04	1.05E-04	2.51E-02
174	487258.74	3856936.11	3.45631	0.27542	0.0179	0.0329	1.29E-02	8.22E-03	1.14E-04	1.04E-04	2.13E-02	1.17E-02	8.32E-09	1.52E-06	2.83E-06	1.17E-02	1.49E-02	8.22E-03	1.14E-04	1.04E-04	2.33E-02
175	487308.74	3856936.11	3.13789	0.27205	0.0186	0.03253	1.17E-02	8.12E-03	1.19E-04	1.03E-04	2.00E-02	1.07E-02	8.22E-09	1.58E-06	2.80E-06	1.07E-02	1.35E-02	8.12E-03	1.19E-04	1.03E-04	2.19E-02
176	487358.74	3856936.11	2.86804	0.2684	0.0194	0.0322	1.07E-02	8.01E-03	1.24E-04	1.02E-04	1.89E-02	9.74E-03	8.11E-09	1.65E-06	2.77E-06	9.74E-03	1.24E-02	8.01E-03	1.24E-04	1.02E-04	2.06E-02
177	487208.74	3856986.11	4.07288	0.28624	0.0179	0.03214	1.52E-02	8.54E-03	1.14E-04	1.01E-04	2.40E-02	1.38E-02	8.64E-09	1.52E-06	2.77E-06	1.38E-02	1.76E-02	8.54E-03	1.14E-04	1.01E-04	2.63E-02
178	487258.74	3856986.11	3.57731	0.28309	0.0185	0.03178	1.33E-02	8.45E-03	1.18E-04	1.00E-04	2.20E-02	1.21E-02	8.55E-09	1.57E-06	2.74E-06	1.21E-02	1.54E-02	8.45E-03	1.18E-04	1.00E-04	2.41E-02
179	487308.74	3856986.11	3.1934	0.27864	0.0192	0.03147	1.19E-02	8.31E-03	1.22E-04	9.94E-05	2.05E-02	1.08E-02	8.41E-09	1.63E-06	2.71E-06	1.08E-02	1.38E-02	8.31E-03	1.22E-04	9.94E-05	2.23E-02

180	487358.74	3856986.11	2.87623	0.27555	0.02	0.03117	1.07E-02	8.22E-03	1.28E-04	9.84E-05	1.92E-02	9.76E-03	8.32E-09	1.70E-06	2.68E-06	9.77E-03	1.24E-02	8.22E-03	1.28E-04	9.84E-05	2.09E-02
181	487208.74	3857036.11	4.06256	0.29273	0.0185	0.03104	1.52E-02	8.73E-03	1.18E-04	9.80E-05	2.41E-02	1.38E-02	8.84E-09	1.58E-06	2.67E-06	1.38E-02	1.75E-02	8.73E-03	1.18E-04	9.80E-05	2.65E-02
182	487258.74	3857036.11	3.50258	0.28899	0.0192	0.03074	1.31E-02	8.62E-03	1.22E-04	9.71E-05	2.19E-02	1.19E-02	8.73E-09	1.63E-06	2.65E-06	1.19E-02	1.51E-02	8.62E-03	1.22E-04	9.71E-05	2.40E-02
183	487308.74	3857036.11	3.08181	0.28588	0.0199	0.03047	1.15E-02	8.53E-03	1.27E-04	9.62E-05	2.03E-02	1.05E-02	8.63E-09	1.69E-06	2.62E-06	1.05E-02	1.33E-02	8.53E-03	1.27E-04	9.62E-05	2.21E-02
184	487358.74	3857036.11	2.75806	0.28227	0.0207	0.03023	1.03E-02	8.42E-03	1.32E-04	9.54E-05	1.89E-02	9.36E-03	8.52E-09	1.76E-06	2.60E-06	9.37E-03	1.19E-02	8.42E-03	1.32E-04	9.54E-05	2.05E-02
185	487427.14	3856878.23	2.50522	0.25669	0.0202	0.03296	9.35E-03	7.66E-03	1.29E-04	1.04E-04	1.72E-02	8.51E-03	7.75E-09	1.72E-06	2.84E-06	8.51E-03	1.08E-02	7.66E-03	1.29E-04	1.04E-04	1.87E-02
186	487477.14	3856878.23	2.34009	0.25385	0.0212	0.0326	8.73E-03	7.57E-03	1.35E-04	1.03E-04	1.65E-02	7.94E-03	7.67E-09	1.80E-06	2.81E-06	7.95E-03	1.01E-02	7.57E-03	1.35E-04	1.03E-04	1.79E-02
187	487527.14	3856878.23	2.19274	0.25075	0.0222	0.03225	8.18E-03	7.48E-03	1.42E-04	1.02E-04	1.59E-02	7.44E-03	7.57E-09	1.89E-06	2.78E-06	7.45E-03	9.46E-03	7.48E-03	1.42E-04	1.02E-04	1.72E-02
188	487427.14	3856928.23	2.55391	0.2634	0.0207	0.03192	9.53E-03	7.86E-03	1.32E-04	1.01E-04	1.76E-02	8.67E-03	7.95E-09	1.76E-06	2.75E-06	8.68E-03	1.10E-02	7.86E-03	1.32E-04	1.01E-04	1.91E-02
189	487477.14	3856928.23	2.36799	0.25966	0.0218	0.03162	8.84E-03	7.75E-03	1.39E-04	9.98E-05	1.68E-02	8.04E-03	7.84E-09	1.85E-06	2.72E-06	8.04E-03	1.02E-02	7.75E-03	1.39E-04	9.98E-05	1.82E-02
190	487527.14	3856928.23	2.20335	0.25676	0.0229	0.03131	8.22E-03	7.66E-03	1.46E-04	9.89E-05	1.61E-02	7.48E-03	7.75E-09	1.95E-06	2.70E-06	7.49E-03	9.51E-03	7.66E-03	1.46E-04	9.89E-05	1.74E-02
191	487577.14	3856928.23	2.05842	0.25387	0.0241	0.03101	7.68E-03	7.57E-03	1.54E-04	9.79E-05	1.55E-02	6.99E-03	7.67E-09	2.05E-06	2.67E-06	6.99E-03	8.88E-03	7.57E-03	1.54E-04	9.79E-05	1.67E-02
192	487627.14	3856928.23	1.9314	0.25032	0.0254	0.03075	7.21E-03	7.47E-03	1.62E-04	9.71E-05	1.49E-02	6.56E-03	7.56E-09	2.16E-06	2.65E-06	6.56E-03	8.33E-03	7.47E-03	1.62E-04	9.71E-05	1.61E-02
193	487677.14	3856928.23	1.8158	0.24812	0.0269	0.03049	6.78E-03	7.40E-03	1.71E-04	9.63E-05	1.44E-02	6.16E-03	7.49E-09	2.29E-06	2.63E-06	6.17E-03	7.84E-03	7.40E-03	1.71E-04	9.63E-05	1.55E-02
194	487727.14	3856928.23	1.71182	0.24619	0.0283	0.03025	6.39E-03	7.34E-03	1.81E-04	9.55E-05	1.40E-02	5.81E-03	7.43E-09	2.41E-06	2.60E-06	5.82E-03	7.39E-03	7.34E-03	1.81E-04	9.55E-05	1.50E-02
195	487777.14	3856928.23	1.61951	0.24353	0.0294	0.03004	6.04E-03	7.27E-03	1.88E-04	9.48E-05	1.36E-02	5.50E-03	7.35E-09	2.50E-06	2.59E-06	5.50E-03	6.99E-03	7.27E-03	1.88E-04	9.48E-05	1.45E-02
196	487427.14	3856978.23	2.54374	0.26934	0.0213	0.03096	9.49E-03	8.04E-03	1.36E-04	9.78E-05	1.78E-02	8.64E-03	8.13E-09	1.81E-06	2.67E-06	8.64E-03	1.10E-02	8.04E-03	1.36E-04	9.78E-05	1.92E-02
197	487477.14	3856978.23	2.33972	0.2662	0.0224	0.03069	8.73E-03	7.94E-03	1.43E-04	9.69E-05	1.69E-02	7.94E-03	8.04E-09	1.91E-06	2.64E-06	7.95E-03	1.01E-02	7.94E-03	1.43E-04	9.69E-05	1.83E-02
198	487527.14	3856978.23	2.16521	0.26311	0.0236	0.03043	8.08E-03	7.85E-03	1.51E-04	9.61E-05	1.62E-02	7.35E-03	7.95E-09	2.01E-06	2.62E-06	7.36E-03	9.34E-03	7.85E-03	1.51E-04	9.61E-05	1.74E-02
199	487577.14	3856978.23	2.01485	0.25987	0.0249	0.03019	7.52E-03	7.75E-03	1.59E-04	9.53E-05	1.55E-02	6.84E-03	7.85E-09	2.12E-06	2.60E-06	6.85E-03	8.69E-03	7.75E-03	1.59E-04	9.53E-05	1.67E-02
200	487627.14	3856978.23	1.88494	0.25609	0.0263	0.02999	7.03E-03	7.64E-03	1.68E-04	9.47E-05	1.49E-02	6.40E-03	7.73E-09	2.24E-06	2.58E-06	6.40E-03	8.13E-03	7.64E-03	1.68E-04	9.47E-05	1.60E-02
201	487677.14	3856978.23	1.7677	0.2537	0.0278	0.02979	6.60E-03	7.57E-03	1.77E-04	9.41E-05	1.44E-02	6.00E-03	7.66E-09	2.36E-06	2.57E-06	6.01E-03	7.63E-03	7.57E-03	1.77E-04	9.41E-05	1.55E-02
202	487727.14	3856978.23	1.66804	0.24915	0.0294	0.02964	6.22E-03	7.43E-03	1.87E-04	9.36E-05	1.39E-02	5.66E-03	7.52E-09	2.50E-06	2.55E-06	5.67E-03	7.20E-03	7.43E-03	1.87E-04	9.36E-05	1.49E-02
203	487777.14	3856978.23	1.57024	0.24944	0.0307	0.02945	5.86E-03	7.44E-03	1.96E-04	9.30E-05	1.36E-02	5.33E-03	7.53E-09	2.61E-06	2.54E-06	5.34E-03	6.78E-03	7.44E-03	1.96E-04	9.30E-05	1.45E-02
204	487427.14	3857028.23	2.44059	0.27621	0.0219	0.03005	9.11E-03	8.24E-03	1.40E-04	9.49E-05	1.76E-02	8.29E-03	8.34E-09	1.86E-06	2.59E-06	8.29E-03	1.05E-02	8.24E-03	1.40E-04	9.49E-05	1.90E-02
205	487477.14	3857028.23	2.23866	0.27265	0.0231	0.02984	8.35E-03	8.13E-03	1.47E-04	9.42E-05	1.67E-02	7.60E-03	8.23E-09	1.97E-06	2.57E-06	7.60E-03	9.66E-03	8.13E-03	1.47E-04	9.42E-05	1.80E-02
206	487527.14	3857028.23	2.06901	0.26894	0.0244	0.02964	7.72E-03	8.02E-03	1.56E-04	9.36E-05	1.60E-02	7.02E-03	8.12E-09	2.08E-06	2.55E-06	7.03E-03	8.93E-03	8.02E-03	1.56E-04	9.36E-05	1.72E-02
207	487577.14	3857028.23	1.92251	0.26575	0.0258	0.02946	7.17E-03	7.93E-03	1.65E-04	9.30E-05	1.54E-02	6.53E-03	8.03E-09	2.20E-06	2.54E-06	6.53E-03	8.30E-03	7.93E-03	1.65E-04	9.30E-05	1.65E-02
208	487627.14	3857028.23	1.79833	0.26159	0.0273	0.02932	6.71E-03	7.80E-03	1.74E-04	9.26E-05	1.48E-02	6.11E-03	7.90E-09	2.32E-06	2.52E-06	6.11E-03	7.76E-03	7.80E-03	1.74E-04	9.26E-05	1.58E-02
209	487677.14	3857028.23	1.68656	0.25882	0.0288	0.02919	6.29E-03	7.72E-03	1.84E-04	9.22E-05	1.43E-02	5.73E-03	7.82E-09	2.45E-06	2.51E-06	5.73E-03	7.28E-03	7.72E-03	1.84E-04	9.22E-05	1.53E-02
210	487727.14	3857028.23	1.58614	0.25694	0.0305	0.02906	5.92E-03	7.67E-03	1.95E-04	9.18E-05	1.39E-02	5.38E-03	7.76E-09	2.59E-06	2.50E-06	5.39E-03	6.84E-03	7.67E-03	1.95E-04	9.18E-05	1.48E-02
211	487777.14	3857028.23	1.49814	0.25451	0.032	0.02895	5.59E-03	7.59E-03	2.04E-04	9.14E-05	1.35E-02	5.09E-03	7.69E-09	2.72E-06	2.49E-06	5.09E-03	6.46E-03	7.59E-03	2.04E-04	9.14E-05	1.44E-02
212	487427.14	3857078.23	2.24549	0.28244	0.0227	0.02923	8.38E-03	8.43E-03	1.45E-04	9.23E-05	1.70E-02	7.62E-03	8.53E-09	1.93E-06	2.52E-06	7.63E-03	9.69E-03	8.43E-03	1.45E-04	9.23E-05	1.84E-02
213	487477.14	3857078.23	2.06751	0.27838	0.0239	0.02907	7.71E-03	8.31E-03	1.52E-04	9.18E-05	1.63E-02	7.02E-03	8.41E-09	2.03E-06	2.50E-06	7.02E-03	8.92E-03	8.31E-03	1.52E-04	9.18E-05	1.75E-02
214	487527.14	3857078.23	1.91524	0.27491	0.0253	0.02893	7.15E-03	8.20E-03	1.61E-04	9.13E-05	1.56E-02	6.50E-03	8.30E-09	2.15E-06	2.49E-06	6.51E-03	8.26E-03	8.20E-03	1.61E-04	9.13E-05	1.67E-02
215	487577.14	3857078.23	1.7853	0.27135	0.0268	0.02882	6.66E-03	8.10E-03	1.71E-04	9.10E-05	1.50E-02	6.06E-03	8.19E-09	2.28E-06	2.48E-06	6.07E-03	7.70E-03	8.10E-03	1.71E-04	9.10E-05	1.61E-02
216	487627.14	3857078.23	1.67345	0.26754	0.0284	0.02874	6.24E-03	7.98E-03	1.81E-04	9.07E-05	1.45E-02	5.68E-03	8.08E-09	2.41E-06	2.47E-06	5.69E-03	7.22E-03	7.98E-03	1.81E-04	9.07E-05	1.55E-02
217	487677.14	3857078.23	1.57362	0.26454	0.03	0.02868	5.87E-03	7.89E-03	1.92E-04	9.06E-05	1.40E-02	5.34E-03	7.99E-09	2.55E-06	2.47E-06	5.35E-03	6.79E-03	7.89E-03	1.92E-04	9.06E-05	1.50E-02
218	487727.14	3857078.23	1.48438	0.26206	0.0318	0.02861	5.54E-03	7.82E-03	2.03E-04	9.03E-05	1.37E-02	5.04E-03	7.91E-09	2.71E-06	2.46E-06	5.04E-03	6.41E-03	7.82E-03	2.03E-04	9.03E-05	1.45E-02
219	487777.14	3857078.23	1.40641	0.25894	0.0336	0.02855	5.25E-03	7.73E-03	2.14E-04	9.01E-05	1.33E-02	4.77E-03	7.82E-09	2.86E-06	2.46E-06	4.78E-03	6.07E-03	7.73E-03	2.14E-04	9.01E-05	1.41E-02
220	487427.14	3857128.23	1.98354	0.28856	0.0235	0.0285	7.40E-03	8.61E-03	1.50E-04	9.00E-05	1.63E-02	6.73E-03	8.71E-09	2.00E-06	2.45E-06	6.74E-03	8.56E-03	8.61E-03	1.50E-04	9.00E-05	1.74E-02
221	487477.14	3857128.23	1.84426	0.2841	0.0248	0.0284	6.88E-03	8.48E-03	1.58E-04	8.97E-05	1.56E-02	6.26E-03	8.58E-09	2.11E-06	2.45E-06	6.27E-03	7.96E-03	8.48E-03	1.58E-04	8.97E-05	1.67E-02
222	487527.14	3857128.23	1.72372	0.27989	0.0262	0.02834	6.43E-03	8.35E-03	1.67E-04	8.95E-05	1.50E-02	5.85E-03	8.45E-09	2.23E-06	2.44E-06	5.86E-03	7.44E-03	8.35E-03	1.67E-04	8.95E-05	1.60E-02
223	487577.14	3857128.23	1.6168	0.27647	0.0279	0.0283	6.03E-03	8.25E-03	1.78E-04	8.94E-05	1.45E-02	5.49E-03	8.35E-09	2.37E-06	2.44E-06	5.49E-03	6.98E-03	8.25E-03	1.78E-04	8.94E-05	1.55E-02
224	487627.14	3857128.23	1.52261	0.27326	0.0296	0.02828	5.68E-03	8.15E-03	1.89E-04	8.93E-05	1.41E-02	5.17E-03	8.25E-09	2.52E-06	2.44E-06	5.17E-03	6.57E-03	8.15E-03	1.89E-04	8.93E-05	1.50E-02
225	487677.14	3857128.23	1.44081	0.26947	0.0314	0.02828	5.38E-03	8.04E-03	2.00E-04	8.93E-05	1.37E-02	4.89E-03	8.14E-09	2.67E-06	2.44E-06	4.90E-03	6.22E-03	8.04E-03	2.00E-04	8.93E-05	1.45E-02
226	487727.14	3857128.23	1.36403	0.26746	0.0333	0.02827	5.09E-03	7.98E-03	2.13E-04	8.93E-05	1.34E-02	4.63E-03	8.08E-09	2.83E-06	2.43E-06	4.64E-03	5.89E-03	7.98E-03	2.13E-04	8.93E-05	1.42E-02
227	487777.14	3857128.23	1.29793	0.26417	0.0353	0.02825	4.84E-03	7.88E-03	2.25E-04	8.92E-05	1.30E-02	4.41E-03	7.98E-09	3.00E-06	2.43E-06	4.41E-03	5.60E-03	7.88E-03	2.25E-04	8.92E-05	1.38E-02
228	488049.44	3856539.39	1.2263	0.19206	0.0175	0.03353	4.58E-03	5.73E-03	1.11E-04	1.06E-04	1.05E-02	4.16E-03	5.80E-09	1.49E-06	2.89E-06	4.17E-03	5.29E-03	5.73E-03	1.11E-04	1.06E-04	1.12E-02
229	488099.44	3856539.39	1.18884	0.18955	0.017	0.03312	4.44E-03	5.65E-03	1.08E-04	1.05E-04	1.03E-02	4.04E-03	5.72E-09	1.45E-06	2.85E-06	4.04E-03	5.13E-03	5.65E-03	1.08E-04	1.05E-04	1.10E-02
230	488149.44	3856539.39	1.15319	0.18774	0.0169	0.03272	4.30E-03	5.60E-03	1.08E-04	1.03E-04	1.01E-02	3.92E-03	5.67E-09	1.44E-06	2.82E-06	3.92E-03	4.98E-03	5.60E-03	1.08E-04	1.03E-04	1.08E-02
231	488049.44	3856589.39	1.24986	0.19767	0.0183	0.03284	4.66E-03	5.90E-03	1.17E-04	1.04E-04	1.08E-02	4.24E-03	5.97E-09	1.55E-06	2.83E-06	4.25E-03	5.39E-03	5.90E-03	1.17E-04	1.04E-04	1.15E-02
232	488099.44	3856589.39	1.20987	0.19522	0.0178	0.03245	4.51E-03	5.82E-03	1.13E-04	1.02E-04	1.06E-02	4.11E-03	5.90E-09	1.51E-06	2.79E-06	4.11E-03	5.22E-03	5.82E-03	1.13E-04	1.02E-04	1.13E-02
233	488149.44	3856589.39	1.17176	0.19302	0.0177	0.03209	4.37E-03	5.76E-03	1.13E-04	1.01E-04	1.03E-02	3.98E-03	5.83E-09	1.50E-06	2.76E-06	3.98E-03	5.06E-03	5.76E-03	1.13E-04	1.01E-04	1.10E-02
234	488199.44	3856589.39	1.13538	0.19042	0.0178	0.03176	4.24E-03	5.68E-03	1.14E-04	1.00E-04	1.01E-02	3.85E-03	5.75E-09	1.52E-06	2.73E-06	3.86E-03	4.90E-03	5.68E-03	1.14E-04	1.00E-04	1.08E-02
235	488249.44	3856589.39	1.10079	0.18981	0.0182	0.03142	4.11E-03	5.66E-03	1.16E-04	9.92E-05	9.99E-03	3.74E-03	5.73E-09	1.55E-06	2.71E-06	3.74E-03	4.75E-03	5.66E-03	1.16E-04	9.92E-05	1.06E-02
236	488049.44	3856639.39	1.26945	0.20294	0.0192	0.03217	4.74E-03	6.05E-03	1.22E-04	1.02E-04	1.10E-02	4.31E-03	6.13E-09	1.63E-06	2.77E-06	4.31E-03	5.48E-03	6.05E-03	1.22E-04	1.02E-04	1.18E-02
237	488099.44	3856639.39	1.22686	0.20043	0.0186	0.03181	4.58E-03	5.98E-03	1.19E-04	1.00E-04	1.08E-02	4.17E-03	6.05E-09	1.59E-06	2.74E-06	4.17E-03	5.29E-03	5.98E-03	1.19E-04	1.00E-04	1.15E-02
238	488149.44	3856639.39	1.1864	0.19803	0.0185	0.03148	4.43E-03	5.91E-03	1.18E-04	9.94E-05	1.06E-02	4.03E-03	5.98E-09	1.57E-06	2.71E-06	4.03E-03	5.12E-03	5.91E-03	1.18E-04	9.94E-05	1.12E-02
239	488199.44	3856639.39	1.14769	0.19633	0.0187	0.03116	4.28E-03	5.86E-03	1.19E-04	9.84E-05	1.04E-02	3.90E-03	5.93E-09	1.59E-06	2.68E-06	3.90E-03	4.95E-03	5.86E-03	1.19E-04	9.84E-05	1.10E-02
240	488249.44	3856639.39	1.111	0.19439	0.0191	0.03087	4.15E-03	5.80E-03	1.22E-04	9.75E-05	1.02E-02	3.77E-03	5.87E-09	1.62E-06	2.66E-06	3.78E-03	4.79E-03	5.80E-03	1.22E-04	9.75E-05	1.08E-02

241	488299.44	3856639.39	1.07607	0.19256	0.0195	0.03059	4.02E-03	5.74E-03	1.25E-04	9.66E-05	9.98E-03	3.65E-03	5.81E-09	1.66E-06	2.63E-06	3.66E-03	4.64E-03	5.74E-03	1.25E-04	9.66E-05	1.06E-02
242	488349.44	3856639.39	1.04303	0.1903	0.02	0.03032	3.89E-03	5.68E-03	1.27E-04	9.57E-05	9.79E-03	3.54E-03	5.75E-09	1.70E-06	2.61E-06	3.55E-03	4.50E-03	5.68E-03	1.27E-04	9.57E-05	1.04E-02
243	488399.44	3856639.39	1.011	0.18929	0.0204	0.03004	3.77E-03	5.65E-03	1.30E-04	9.48E-05	9.64E-03	3.43E-03	5.72E-09	1.74E-06	2.59E-06	3.44E-03	4.36E-03	5.65E-03	1.30E-04	9.48E-05	1.02E-02
244	488099.44	3856689.39	1.23842	0.20596	0.0196	0.03119	4.62E-03	6.14E-03	1.25E-04	9.85E-05	1.10E-02	4.20E-03	6.22E-09	1.67E-06	2.69E-06	4.21E-03	5.34E-03	6.14E-03	1.25E-04	9.85E-05	1.17E-02
245	488149.44	3856689.39	1.19579	0.20332	0.0194	0.03089	4.46E-03	6.07E-03	1.24E-04	9.75E-05	1.07E-02	4.06E-03	6.14E-09	1.65E-06	2.66E-06	4.06E-03	5.16E-03	6.07E-03	1.24E-04	9.75E-05	1.14E-02
246	488199.44	3856689.39	1.15501	0.20144	0.0196	0.0306	4.31E-03	6.01E-03	1.25E-04	9.66E-05	1.05E-02	3.92E-03	6.08E-09	1.67E-06	2.63E-06	3.93E-03	4.98E-03	6.01E-03	1.25E-04	9.66E-05	1.12E-02
247	488249.44	3856689.39	1.11685	0.19886	0.02	0.03034	4.17E-03	5.93E-03	1.28E-04	9.58E-05	1.03E-02	3.79E-03	6.01E-09	1.70E-06	2.61E-06	3.80E-03	4.82E-03	5.93E-03	1.28E-04	9.58E-05	1.10E-02
248	488299.44	3856689.39	1.0799	0.19759	0.0205	0.03007	4.03E-03	5.89E-03	1.31E-04	9.49E-05	1.02E-02	3.67E-03	5.97E-09	1.74E-06	2.59E-06	3.67E-03	4.66E-03	5.89E-03	1.31E-04	9.49E-05	1.08E-02
249	488349.44	3856689.39	1.0455	0.1953	0.021	0.02981	3.90E-03	5.83E-03	1.34E-04	9.41E-05	9.96E-03	3.55E-03	5.90E-09	1.78E-06	2.57E-06	3.55E-03	4.51E-03	5.83E-03	1.34E-04	9.41E-05	1.06E-02
250	488399.44	3856689.39	1.0133	0.19223	0.0214	0.02957	3.78E-03	5.73E-03	1.37E-04	9.34E-05	9.75E-03	3.44E-03	5.81E-09	1.82E-06	2.55E-06	3.44E-03	4.37E-03	5.73E-03	1.37E-04	9.34E-05	1.03E-02
251	488099.44	3856739.39	1.24359	0.21164	0.0206	0.0306	4.64E-03	6.31E-03	1.32E-04	9.66E-05	1.12E-02	4.22E-03	6.39E-09	1.75E-06	2.63E-06	4.23E-03	5.37E-03	6.31E-03	1.32E-04	9.66E-05	1.19E-02
252	488149.44	3856739.39	1.19935	0.20842	0.0205	0.03033	4.48E-03	6.22E-03	1.31E-04	9.58E-05	1.09E-02	4.07E-03	6.29E-09	1.74E-06	2.61E-06	4.08E-03	5.18E-03	6.22E-03	1.31E-04	9.58E-05	1.16E-02
253	488199.44	3856739.39	1.15627	0.20693	0.0207	0.03006	4.31E-03	6.17E-03	1.32E-04	9.49E-05	1.07E-02	3.93E-03	6.25E-09	1.76E-06	2.59E-06	3.93E-03	4.99E-03	6.17E-03	1.32E-04	9.49E-05	1.14E-02
254	488249.44	3856739.39	1.11667	0.20421	0.0211	0.02982	4.17E-03	6.09E-03	1.34E-04	9.42E-05	1.05E-02	3.79E-03	6.17E-09	1.79E-06	2.57E-06	3.80E-03	4.82E-03	6.09E-03	1.34E-04	9.42E-05	1.11E-02
255	488299.44	3856739.39	1.07985	0.20072	0.0215	0.02959	4.03E-03	5.99E-03	1.37E-04	9.34E-05	1.02E-02	3.67E-03	6.06E-09	1.83E-06	2.55E-06	3.67E-03	4.66E-03	5.99E-03	1.37E-04	9.34E-05	1.09E-02
256	488349.44	3856739.39	1.04307	0.20004	0.022	0.02933	3.89E-03	5.97E-03	1.41E-04	9.26E-05	1.01E-02	3.54E-03	6.04E-09	1.87E-06	2.53E-06	3.55E-03	4.50E-03	5.97E-03	1.41E-04	9.26E-05	1.07E-02
257	488399.44	3856739.39	1.00828	0.19918	0.0226	0.02908	3.76E-03	5.94E-03	1.44E-04	9.18E-05	9.94E-03	3.42E-03	6.01E-09	1.92E-06	2.50E-06	3.43E-03	4.35E-03	5.94E-03	1.44E-04	9.18E-05	1.05E-02
258	487999.44	3856789.39	1.34687	0.22001	0.0234	0.03061	5.03E-03	6.56E-03	1.49E-04	9.66E-05	1.18E-02	4.57E-03	6.64E-09	1.99E-06	2.64E-06	4.58E-03	5.81E-03	6.56E-03	1.49E-04	9.66E-05	1.26E-02
259	488049.44	3856789.39	1.29322	0.21772	0.0224	0.03032	4.83E-03	6.50E-03	1.43E-04	9.57E-05	1.16E-02	4.39E-03	6.57E-09	1.90E-06	2.61E-06	4.40E-03	5.58E-03	6.50E-03	1.43E-04	9.57E-05	1.23E-02
260	488099.44	3856789.39	1.24216	0.2163	0.0218	0.03005	4.64E-03	6.45E-03	1.39E-04	9.49E-05	1.13E-02	4.22E-03	6.53E-09	1.85E-06	2.59E-06	4.22E-03	5.36E-03	6.45E-03	1.39E-04	9.49E-05	1.20E-02
261	488149.44	3856789.39	1.19575	0.21353	0.0216	0.0298	4.46E-03	6.37E-03	1.38E-04	9.41E-05	1.11E-02	4.06E-03	6.45E-09	1.84E-06	2.57E-06	4.06E-03	5.16E-03	6.37E-03	1.38E-04	9.41E-05	1.18E-02
262	488199.44	3856789.39	1.1515	0.21151	0.0218	0.02956	4.30E-03	6.31E-03	1.39E-04	9.33E-05	1.08E-02	3.91E-03	6.39E-09	1.86E-06	2.55E-06	3.91E-03	4.97E-03	6.31E-03	1.39E-04	9.33E-05	1.15E-02
263	488249.44	3856789.39	1.11053	0.20895	0.0223	0.02933	4.14E-03	6.23E-03	1.42E-04	9.26E-05	1.06E-02	3.77E-03	6.31E-09	1.89E-06	2.53E-06	3.77E-03	4.79E-03	6.23E-03	1.42E-04	9.26E-05	1.13E-02
264	488299.44	3856789.39	1.07257	0.20582	0.0227	0.02912	4.00E-03	6.14E-03	1.45E-04	9.19E-05	1.04E-02	3.64E-03	6.22E-09	1.93E-06	2.51E-06	3.65E-03	4.63E-03	6.14E-03	1.45E-04	9.19E-05	1.10E-02
265	488349.44	3856789.39	1.03469	0.20511	0.0232	0.02887	3.86E-03	6.12E-03	1.48E-04	9.12E-05	1.02E-02	3.51E-03	6.19E-09	1.98E-06	2.49E-06	3.52E-03	4.46E-03	6.12E-03	1.48E-04	9.12E-05	1.08E-02
266	488399.44	3856789.39	0.99958	0.20369	0.0238	0.02864	3.73E-03	6.08E-03	1.52E-04	9.04E-05	1.00E-02	3.39E-03	6.15E-09	2.02E-06	2.47E-06	3.40E-03	4.31E-03	6.08E-03	1.52E-04	9.04E-05	1.06E-02
267	487949.44	3856839.39	1.4004	0.22703	0.0259	0.03029	5.23E-03	6.77E-03	1.65E-04	9.56E-05	1.23E-02	4.75E-03	6.86E-09	2.21E-06	2.61E-06	4.76E-03	6.04E-03	6.77E-03	1.65E-04	9.56E-05	1.31E-02
268	487999.44	3856839.39	1.34036	0.22479	0.0248	0.03003	5.00E-03	6.71E-03	1.58E-04	9.48E-05	1.20E-02	4.55E-03	6.79E-09	2.10E-06	2.59E-06	4.56E-03	5.78E-03	6.71E-03	1.58E-04	9.48E-05	1.27E-02
269	488049.44	3856839.39	1.28479	0.22241	0.0237	0.02978	4.79E-03	6.64E-03	1.51E-04	9.40E-05	1.17E-02	4.36E-03	6.72E-09	2.01E-06	2.56E-06	4.37E-03	5.54E-03	6.64E-03	1.51E-04	9.40E-05	1.24E-02
270	488099.44	3856839.39	1.23259	0.22048	0.023	0.02953	4.60E-03	6.58E-03	1.47E-04	9.32E-05	1.14E-02	4.18E-03	6.66E-09	1.96E-06	2.54E-06	4.19E-03	5.32E-03	6.58E-03	1.47E-04	9.32E-05	1.21E-02
271	488149.44	3856839.39	1.184	0.21852	0.0229	0.0293	4.42E-03	6.52E-03	1.46E-04	9.25E-05	1.12E-02	4.02E-03	6.60E-09	1.95E-06	2.52E-06	4.02E-03	5.11E-03	6.52E-03	1.46E-04	9.25E-05	1.19E-02
272	488199.44	3856839.39	1.1388	0.21643	0.0231	0.02908	4.25E-03	6.46E-03	1.47E-04	9.18E-05	1.09E-02	3.87E-03	6.54E-09	1.97E-06	2.50E-06	3.87E-03	4.91E-03	6.46E-03	1.47E-04	9.18E-05	1.16E-02
273	487949.44	3856889.39	1.38425	0.23127	0.0275	0.02973	5.17E-03	6.90E-03	1.75E-04	9.39E-05	1.23E-02	4.70E-03	6.98E-09	2.34E-06	2.56E-06	4.70E-03	5.97E-03	6.90E-03	1.75E-04	9.39E-05	1.31E-02
274	487999.44	3856889.39	1.32145	0.22997	0.0263	0.02949	4.93E-03	6.86E-03	1.68E-04	9.31E-05	1.21E-02	4.49E-03	6.94E-09	2.23E-06	2.54E-06	4.49E-03	5.70E-03	6.86E-03	1.68E-04	9.31E-05	1.28E-02
275	488049.44	3856889.39	1.26605	0.22673	0.0251	0.02928	4.72E-03	6.76E-03	1.60E-04	9.24E-05	1.17E-02	4.30E-03	6.85E-09	2.14E-06	2.52E-06	4.30E-03	5.46E-03	6.76E-03	1.60E-04	9.24E-05	1.25E-02
276	488099.44	3856889.39	1.21254	0.22523	0.0244	0.02906	4.52E-03	6.72E-03	1.56E-04	9.18E-05	1.15E-02	4.12E-03	6.80E-09	2.08E-06	2.50E-06	4.12E-03	5.23E-03	6.72E-03	1.56E-04	9.18E-05	1.22E-02
277	488635.86	3857895.05	0.26431	0.33677	1.9023	0.04432	9.86E-04	1.00E-02	1.21E-02	1.40E-04	2.33E-02	8.97E-04	1.02E-08	1.62E-04	3.82E-06	1.06E-03	1.14E-03	1.00E-02	1.21E-02	1.40E-04	2.35E-02
278	489137.64	3857804.15	0.28577	0.28493	0.7416	0.03859	1.07E-03	8.50E-03	4.73E-03	1.22E-04	1.44E-02	9.70E-04	8.60E-09	6.31E-05	3.32E-06	1.04E-03	1.23E-03	8.50E-03	4.73E-03	1.22E-04	1.46E-02
279	488617.32	3857859.41	0.2776	0.32981	1.8515	0.04268	1.04E-03	9.84E-03	1.18E-02	1.35E-04	2.28E-02	9.42E-04	9.96E-09	1.57E-04	3.68E-06	1.10E-03	1.20E-03	9.84E-03	1.18E-02	1.35E-04	2.30E-02
280	488667.32	3857859.41	0.27774	0.32565	1.6821	0.04248	1.04E-03	9.72E-03	1.07E-02	1.34E-04	2.16E-02	9.43E-04	9.83E-09	1.43E-04	3.66E-06	1.09E-03	1.20E-03	9.72E-03	1.07E-02	1.34E-04	2.18E-02
281	488717.32	3857859.41	0.27766	0.32169	1.5267	0.04229	1.04E-03	9.60E-03	9.74E-03	1.34E-04	2.05E-02	9.43E-04	9.71E-09	1.30E-04	3.64E-06	1.08E-03	1.20E-03	9.60E-03	9.74E-03	1.34E-04	2.07E-02
282	488767.32	3857859.41	0.2767	0.31896	1.3905	0.04212	1.03E-03	9.52E-03	8.87E-03	1.33E-04	1.96E-02	9.39E-04	9.63E-09	1.18E-04	3.63E-06	1.06E-03	1.19E-03	9.52E-03	8.87E-03	1.33E-04	1.97E-02
283	488617.32	3857909.41	0.259	0.34168	2.0125	0.04513	9.66E-04	1.02E-02	1.28E-02	1.42E-04	2.41E-02	8.79E-04	1.03E-08	1.71E-04	3.89E-06	1.05E-03	1.12E-03	1.02E-02	1.28E-02	1.42E-04	2.43E-02
284	488667.32	3857909.41	0.2588	0.33873	1.788	0.04487	9.66E-04	1.01E-02	1.14E-02	1.42E-04	2.26E-02	8.79E-04	1.02E-08	1.52E-04	3.86E-06	1.03E-03	1.12E-03	1.01E-02	1.14E-02	1.42E-04	2.28E-02
285	488717.32	3857909.41	0.25984	0.33334	1.5924	0.04455	9.70E-04	9.94E-03	1.02E-02	1.41E-04	2.12E-02	8.82E-04	1.01E-08	1.35E-04	3.84E-06	1.02E-03	1.12E-03	9.94E-03	1.02E-02	1.41E-04	2.14E-02
286	488767.32	3857909.41	0.25953	0.33018	1.4289	0.04427	9.68E-04	9.85E-03	9.11E-03	1.40E-04	2.01E-02	8.81E-04	9.97E-09	1.22E-04	3.81E-06	1.01E-03	1.12E-03	9.85E-03	9.11E-03	1.40E-04	2.02E-02
287	488417.32	3857959.41	0.23844	0.37161	3.5868	0.04922	8.90E-04	1.11E-02	2.29E-02	1.55E-04	3.50E-02	8.10E-04	1.12E-08	3.05E-04	4.24E-06	1.12E-03	1.03E-03	1.11E-02	2.29E-02	1.55E-04	3.51E-02
288	488467.32	3857959.41	0.23912	0.36749	3.0616	0.04886	8.92E-04	1.10E-02	1.95E-02	1.54E-04	3.15E-02	8.12E-04	1.11E-08	2.60E-04	4.21E-06	1.08E-03	1.03E-03	1.10E-02	1.95E-02	1.54E-04	3.17E-02
289	488517.32	3857959.41	0.2398	0.36349	2.6233	0.04851	8.95E-04	1.08E-02	1.67E-02	1.53E-04	2.86E-02	8.14E-04	1.10E-08	2.23E-04	4.18E-06	1.04E-03	1.03E-03	1.08E-02	1.67E-02	1.53E-04	2.88E-02
290	488567.32	3857959.41	0.24046	0.35951	2.2644	0.04815	8.97E-04	1.07E-02	1.44E-02	1.52E-04	2.62E-02	8.16E-04	1.09E-08	1.93E-04	4.15E-06	1.01E-03	1.04E-03	1.07E-02	1.44E-02	1.52E-04	2.64E-02
291	488617.32	3857959.41	0.24135	0.35493	1.9702	0.04774	9.01E-04	1.06E-02	1.26E-02	1.51E-04	2.42E-02	8.19E-04	1.07E-08	1.68E-04	4.11E-06	9.91E-04	1.04E-03	1.06E-02	1.26E-02	1.51E-04	2.43E-02
292	488667.32	3857959.41	0.24219	0.35037	1.7286	0.04732	9.04E-04	1.05E-02	1.10E-02	1.49E-04	2.25E-02	8.22E-04	1.06E-08	1.47E-04	4.07E-06	9.73E-04	1.05E-03	1.05E-02	1.10E-02	1.49E-04	2.27E-02
293	488717.32	3857959.41	0.24264	0.34651	1.5284	0.04691	9.05E-04	1.03E-02	9.75E-03	1.48E-04	2.11E-02	8.24E-04	1.05E-08	1.30E-04	4.04E-06	9.58E-04	1.05E-03	1.03E-02	9.75E-03	1.48E-04	2.13E-02
294	488767.32	3857959.41	0.24315	0.34233	1.3623	0.04648	9.07E-04	1.02E-02	8.69E-03	1.47E-04	2.00E-02	8.25E-04	1.03E-08	1.16E-04	4.00E-06	9.45E-04	1.05E-03	1.02E-02	8.69E-03	1.47E-04	2.01E-02
295	488417.32	3858009.41	0.22262	0.38668	3.1558	0.05252	8.31E-04	1.15E-02	2.01E-02	1.66E-04	3.27E-02	7.56E-04	1.17E-08	2.68E-04	4.52E-06	1.03E-03	9.61E-04	1.15E-02	2.01E-02	1.66E-04	3.28E-02
296	488467.32	3858009.41	0.22293	0.38252	2.6662	0.05204	8.32E-04	1.14E-02	1.70E-02	1.64E-04	2.94E-02	7.57E-04	1.16E-08	2.27E-04	4.48E-06	9.88E-04	9.62E-04	1.14E-02	1.70E-02	1.64E-04	2.95E-02
297	488517.32	3858009.41	0.22348	0.37818	2.2744	0.05154	8.34E-04	1.13E-02	1.45E-02	1.63E-04	2.68E-02	7.59E-04	1.14E-08	1.93E-04	4.44E-06	9.57E-04	9.64E-04	1.13E-02	1.45E-02	1.63E-04	2.69E-02
298	488567.32	3858009.41	0.22407	0.37401	1.9629	0.05101	8.36E-04	1.12E-02	1.25E-02	1.61E-04	2.47E-02	7.61E-04	1.13E-08	1.67E-04	4.39E-06	9.32E-04	9.67E-04	1.12E-02	1.25E-02	1.61E-04	2.48E-02
299	488617.32	3858009.41	0.2252	0.3687	1.7142	0.05043	8.40E-04	1.10E-02	1.09E-02	1.59E-04	2.29E-02	7.65E-04	1.11E-08	1.46E-04	4.34E-06	9.15E-04	9.72E-04	1.10E-02	1.09E-02	1.59E-04	2.31E-02
300	488667.32	3858009.41	0.22628	0.36364	1.5101	0.04985	8.44E-04	1.08E-02	9.63E-03	1.57E-04	2.15E-02	7.68E-04	1.10E-08	1.28E-04	4.29E-06	9.01E-04	9.76E-04	1.08E-02	9.63E-03	1.57E-04	2.16E-02
301	488717.32	3858009.41	0.2271	0.35921	1.3413	0.04928	8.47E-04	1.07E-02	8.56E-03	1.56E-04	2.03E-02	7.71E-04	1.08E-08	1.14E-04	4.24E-06	8.89E-04	9.80E-04	1.07E-02	8.56E-03	1.56E-04	2.04E-02

302	488767.32	3858009.41	0.22782	0.35493	1.2007	0.04869	8.50E-04	1.06E-02	7.66E-03	1.54E-04	1.93E-02	7.73E-04	1.07E-08	1.02E-04	4.19E-06	8.80E-04	9.83E-04	1.06E-02	7.66E-03	1.54E-04	1.94E-02
303	488417.32	3858059.41	0.20876	0.40349	2.1988	0.05604	7.79E-04	1.20E-02	1.40E-02	1.77E-04	2.70E-02	7.09E-04	1.22E-08	1.87E-04	4.83E-06	9.01E-04	9.01E-04	1.20E-02	1.40E-02	1.77E-04	2.71E-02
304	488467.32	3858059.41	0.20867	0.39891	1.9276	0.05538	7.79E-04	1.19E-02	1.23E-02	1.75E-04	2.51E-02	7.08E-04	1.20E-08	1.64E-04	4.77E-06	8.77E-04	9.00E-04	1.19E-02	1.23E-02	1.75E-04	2.53E-02
305	488517.32	3858059.41	0.20896	0.39396	1.6956	0.05467	7.80E-04	1.18E-02	1.08E-02	1.73E-04	2.35E-02	7.09E-04	1.19E-08	1.44E-04	4.71E-06	8.58E-04	9.02E-04	1.18E-02	1.08E-02	1.73E-04	2.36E-02
306	488567.32	3858059.41	0.20944	0.38917	1.5017	0.05394	7.82E-04	1.16E-02	9.58E-03	1.70E-04	2.21E-02	7.11E-04	1.18E-08	1.28E-04	4.64E-06	8.43E-04	9.04E-04	1.16E-02	9.58E-03	1.70E-04	2.23E-02
307	488617.32	3858059.41	0.21015	0.38421	1.3379	0.05318	7.84E-04	1.15E-02	8.53E-03	1.68E-04	2.09E-02	7.13E-04	1.16E-08	1.14E-04	4.58E-06	8.32E-04	9.07E-04	1.15E-02	8.53E-03	1.68E-04	2.11E-02
308	488667.32	3858059.41	0.21128	0.37857	1.2031	0.05241	7.88E-04	1.13E-02	7.67E-03	1.65E-04	1.99E-02	7.17E-04	1.14E-08	1.02E-04	4.51E-06	8.24E-04	9.12E-04	1.13E-02	7.67E-03	1.65E-04	2.00E-02
309	488417.32	3858109.41	0.1975	0.41935	1.3736	0.05969	7.37E-04	1.25E-02	8.76E-03	1.88E-04	2.22E-02	6.71E-04	1.27E-08	1.17E-04	5.14E-06	7.92E-04	8.52E-04	1.25E-02	8.76E-03	1.88E-04	2.23E-02
310	488467.32	3858109.41	0.19677	0.41499	1.2702	0.05879	7.34E-04	1.24E-02	8.10E-03	1.86E-04	2.14E-02	6.68E-04	1.25E-08	1.08E-04	5.06E-06	7.81E-04	8.49E-04	1.24E-02	8.10E-03	1.86E-04	2.15E-02
311	488517.32	3858109.41	0.19642	0.41043	1.164	0.05786	7.33E-04	1.22E-02	7.42E-03	1.83E-04	2.06E-02	6.67E-04	1.24E-08	9.90E-05	4.98E-06	7.71E-04	8.48E-04	1.22E-02	7.42E-03	1.83E-04	2.07E-02
312	488567.32	3858109.41	0.19659	0.40507	1.0682	0.05688	7.34E-04	1.21E-02	6.81E-03	1.80E-04	1.98E-02	6.67E-04	1.22E-08	9.08E-05	4.90E-06	7.63E-04	8.48E-04	1.21E-02	6.81E-03	1.80E-04	1.99E-02
313	488617.32	3858109.41	0.19693	0.40003	0.9795	0.05592	7.35E-04	1.19E-02	6.25E-03	1.77E-04	1.91E-02	6.69E-04	1.21E-08	8.33E-05	4.82E-06	7.57E-04	8.50E-04	1.19E-02	6.25E-03	1.77E-04	1.92E-02
314	488667.32	3858109.41	0.19792	0.3938	0.9046	0.05493	7.39E-04	1.17E-02	5.77E-03	1.73E-04	1.84E-02	6.72E-04	1.19E-08	7.69E-05	4.73E-06	7.54E-04	8.54E-04	1.17E-02	5.77E-03	1.73E-04	1.85E-02
315	488769.93	3858449.27	0.1413	0.50131	0.1281	0.06955	5.27E-04	1.50E-02	8.17E-04	2.20E-04	1.65E-02	4.80E-04	1.51E-08	1.09E-05	5.99E-06	4.97E-04	6.10E-04	1.50E-02	8.17E-04	2.20E-04	1.66E-02
316	488819.93	3858449.27	0.14071	0.49287	0.1348	0.06785	5.25E-04	1.47E-02	8.60E-04	2.14E-04	1.63E-02	4.78E-04	1.49E-08	1.15E-05	5.84E-06	4.95E-04	6.07E-04	1.47E-02	8.60E-04	2.14E-04	1.64E-02
317	488819.93	3858499.27	0.13564	0.51868	0.1041	0.06994	5.06E-04	1.55E-02	6.64E-04	2.21E-04	1.69E-02	4.61E-04	1.57E-08	8.85E-06	6.02E-06	4.75E-04	5.85E-04	1.55E-02	6.64E-04	2.21E-04	1.69E-02
318	488869.93	3858499.27	0.13505	0.5105	0.1098	0.06821	5.04E-04	1.52E-02	7.00E-04	2.15E-04	1.66E-02	4.58E-04	1.54E-08	9.34E-06	5.87E-06	4.74E-04	5.83E-04	1.52E-02	7.00E-04	2.15E-04	1.67E-02
319	488869.93	3858549.27	0.13046	0.54121	0.0867	0.07001	4.87E-04	1.61E-02	5.53E-04	2.21E-04	1.74E-02	4.43E-04	1.63E-08	7.37E-06	6.03E-06	4.56E-04	5.63E-04	1.61E-02	5.53E-04	2.21E-04	1.75E-02
320	489438.17	3859571.48	0.07266	0.80677	0.0154	0.14841	2.71E-04	2.41E-02	9.83E-05	4.69E-04	2.49E-02	2.47E-04	2.44E-08	1.31E-06	1.28E-05	2.61E-04	3.14E-04	2.41E-02	9.83E-05	4.69E-04	2.49E-02
321	489488.17	3859571.48	0.07283	0.78097	0.0157	0.1409	2.72E-04	2.33E-02	9.99E-05	4.45E-04	2.41E-02	2.47E-04	2.36E-08	1.33E-06	1.21E-05	2.61E-04	3.14E-04	2.33E-02	9.99E-05	4.45E-04	2.42E-02
322	489538.17	3859571.48	0.07289	0.75714	0.016	0.13403	2.72E-04	2.26E-02	1.02E-04	4.23E-04	2.34E-02	2.47E-04	2.29E-08	1.36E-06	1.15E-05	2.60E-04	3.15E-04	2.26E-02	1.02E-04	4.23E-04	2.34E-02
323	489588.17	3859571.48	0.07276	0.73642	0.0163	0.12786	2.72E-04	2.20E-02	1.04E-04	4.04E-04	2.27E-02	2.47E-04	2.22E-08	1.38E-06	1.10E-05	2.59E-04	3.14E-04	2.20E-02	1.04E-04	4.04E-04	2.28E-02
324	489438.17	3859621.48	0.0705	0.78984	0.0148	0.15023	2.63E-04	2.36E-02	9.47E-05	4.74E-04	2.44E-02	2.39E-04	2.39E-08	1.26E-06	1.29E-05	2.54E-04	3.04E-04	2.36E-02	9.47E-05	4.74E-04	2.44E-02
325	489488.17	3859621.48	0.07074	0.76699	0.015	0.14231	2.64E-04	2.29E-02	9.59E-05	4.49E-04	2.37E-02	2.40E-04	2.32E-08	1.28E-06	1.23E-05	2.54E-04	3.05E-04	2.29E-02	9.59E-05	4.49E-04	2.37E-02
326	489538.17	3859621.48	0.07091	0.74507	0.0153	0.13507	2.65E-04	2.22E-02	9.74E-05	4.26E-04	2.30E-02	2.41E-04	2.25E-08	1.30E-06	1.16E-05	2.54E-04	3.06E-04	2.22E-02	9.74E-05	4.26E-04	2.31E-02
327	489588.17	3859621.48	0.07106	0.72314	0.0156	0.12834	2.65E-04	2.16E-02	9.94E-05	4.05E-04	2.23E-02	2.41E-04	2.18E-08	1.33E-06	1.11E-05	2.54E-04	3.07E-04	2.16E-02	9.94E-05	4.05E-04	2.24E-02
328	489238.17	3859671.48	0.06679	0.87318	0.0135	0.19293	2.49E-04	2.60E-02	8.59E-05	6.09E-04	2.70E-02	2.27E-04	2.64E-08	1.14E-06	1.66E-05	2.45E-04	2.88E-04	2.60E-02	8.59E-05	6.09E-04	2.70E-02
329	489288.17	3859671.48	0.06715	0.84741	0.0137	0.18048	2.51E-04	2.53E-02	8.76E-05	5.70E-04	2.62E-02	2.28E-04	2.56E-08	1.17E-06	1.55E-05	2.45E-04	2.90E-04	2.53E-02	8.76E-05	5.70E-04	2.62E-02
330	489338.17	3859671.48	0.06758	0.82188	0.014	0.16919	2.52E-04	2.45E-02	8.92E-05	5.34E-04	2.54E-02	2.29E-04	2.48E-08	1.19E-06	1.46E-05	2.45E-04	2.92E-04	2.45E-02	8.92E-05	5.34E-04	2.54E-02
331	489388.17	3859671.48	0.06808	0.79622	0.0142	0.15892	2.54E-04	2.38E-02	9.06E-05	5.02E-04	2.46E-02	2.31E-04	2.40E-08	1.21E-06	1.37E-05	2.46E-04	2.94E-04	2.38E-02	9.06E-05	5.02E-04	2.46E-02
332	489438.17	3859671.48	0.0684	0.77479	0.0144	0.14991	2.55E-04	2.31E-02	9.16E-05	4.73E-04	2.39E-02	2.32E-04	2.34E-08	1.22E-06	1.29E-05	2.46E-04	2.95E-04	2.31E-02	9.16E-05	4.73E-04	2.40E-02
333	489488.17	3859671.48	0.06883	0.75179	0.0146	0.14155	2.57E-04	2.24E-02	9.29E-05	4.47E-04	2.32E-02	2.34E-04	2.27E-08	1.24E-06	1.22E-05	2.47E-04	2.97E-04	2.24E-02	9.29E-05	4.47E-04	2.33E-02
334	489538.17	3859671.48	0.06911	0.7312	0.0148	0.13407	2.58E-04	2.18E-02	9.41E-05	4.23E-04	2.26E-02	2.35E-04	2.21E-08	1.26E-06	1.15E-05	2.47E-04	2.98E-04	2.18E-02	9.41E-05	4.23E-04	2.26E-02
335	489588.17	3859671.48	0.06934	0.71113	0.015	0.12721	2.59E-04	2.12E-02	9.57E-05	4.02E-04	2.20E-02	2.35E-04	2.15E-08	1.28E-06	1.10E-05	2.48E-04	2.99E-04	2.12E-02	9.57E-05	4.02E-04	2.20E-02
336	489238.17	3859721.48	0.06482	0.85643	0.013	0.19016	2.42E-04	2.56E-02	8.27E-05	6.00E-04	2.65E-02	2.20E-04	2.59E-08	1.10E-06	1.64E-05	2.38E-04	2.80E-04	2.56E-02	8.27E-05	6.00E-04	2.65E-02
337	489288.17	3859721.48	0.06527	0.82659	0.0133	0.17748	2.44E-04	2.47E-02	8.50E-05	5.60E-04	2.55E-02	2.22E-04	2.50E-08	1.13E-06	1.53E-05	2.38E-04	2.82E-04	2.47E-02	8.50E-05	5.60E-04	2.56E-02
338	489338.17	3859721.48	0.06566	0.80399	0.0136	0.16633	2.45E-04	2.40E-02	8.66E-05	5.25E-04	2.48E-02	2.23E-04	2.43E-08	1.15E-06	1.43E-05	2.38E-04	2.83E-04	2.40E-02	8.66E-05	5.25E-04	2.49E-02
339	489388.17	3859721.48	0.06605	0.7826	0.0138	0.15635	2.46E-04	2.33E-02	8.80E-05	4.94E-04	2.42E-02	2.24E-04	2.36E-08	1.17E-06	1.35E-05	2.39E-04	2.85E-04	2.33E-02	8.80E-05	4.94E-04	2.42E-02
340	489438.17	3859721.48	0.0664	0.76272	0.014	0.1474	2.48E-04	2.28E-02	8.90E-05	4.65E-04	2.36E-02	2.25E-04	2.30E-08	1.19E-06	1.27E-05	2.39E-04	2.87E-04	2.28E-02	8.90E-05	4.65E-04	2.36E-02
341	489488.17	3859721.48	0.06689	0.7407	0.0141	0.13907	2.50E-04	2.21E-02	9.02E-05	4.39E-04	2.29E-02	2.27E-04	2.24E-08	1.20E-06	1.20E-05	2.40E-04	2.89E-04	2.21E-02	9.02E-05	4.39E-04	2.29E-02
342	489538.17	3859721.48	0.06727	0.72074	0.0143	0.1316	2.51E-04	2.15E-02	9.13E-05	4.16E-04	2.23E-02	2.28E-04	2.18E-08	1.22E-06	1.13E-05	2.41E-04	2.90E-04	2.15E-02	9.13E-05	4.16E-04	2.23E-02
343	489588.17	3859721.48	0.06758	0.70179	0.0145	0.12481	2.52E-04	2.09E-02	9.26E-05	3.94E-04	2.17E-02	2.29E-04	2.12E-08	1.23E-06	1.07E-05	2.41E-04	2.92E-04	2.09E-02	9.26E-05	3.94E-04	2.17E-02
344	489238.17	3859771.48	0.063	0.84481	0.0125	0.18443	2.35E-04	2.52E-02	7.95E-05	5.82E-04	2.61E-02	2.14E-04	2.55E-08	1.06E-06	1.59E-05	2.31E-04	2.72E-04	2.52E-02	7.95E-05	5.82E-04	2.61E-02
345	489288.17	3859771.48	0.06341	0.81656	0.0129	0.17236	2.37E-04	2.44E-02	8.21E-05	5.44E-04	2.52E-02	2.15E-04	2.47E-08	1.09E-06	1.48E-05	2.31E-04	2.74E-04	2.44E-02	8.21E-05	5.44E-04	2.53E-02
346	489338.17	3859771.48	0.06371	0.79619	0.0132	0.16181	2.38E-04	2.38E-02	8.39E-05	5.11E-04	2.46E-02	2.16E-04	2.40E-08	1.12E-06	1.39E-05	2.31E-04	2.75E-04	2.38E-02	8.39E-05	5.11E-04	2.46E-02
347	489388.17	3859771.48	0.0641	0.77517	0.0134	0.1522	2.39E-04	2.31E-02	8.54E-05	4.81E-04	2.39E-02	2.18E-04	2.34E-08	1.14E-06	1.31E-05	2.32E-04	2.77E-04	2.31E-02	8.54E-05	4.81E-04	2.40E-02
348	489438.17	3859771.48	0.06444	0.75637	0.0136	0.14361	2.40E-04	2.26E-02	8.65E-05	4.53E-04	2.33E-02	2.19E-04	2.28E-08	1.15E-06	1.24E-05	2.32E-04	2.78E-04	2.26E-02	8.65E-05	4.53E-04	2.34E-02
349	489488.17	3859771.48	0.065	0.73382	0.0138	0.13548	2.43E-04	2.19E-02	8.78E-05	4.28E-04	2.27E-02	2.21E-04	2.22E-08	1.17E-06	1.17E-05	2.34E-04	2.80E-04	2.19E-02	8.78E-05	4.28E-04	2.27E-02
350	489538.17	3859771.48	0.06547	0.71312	0.014	0.12818	2.44E-04	2.13E-02	8.90E-05	4.05E-04	2.20E-02	2.22E-04	2.15E-08	1.19E-06	1.10E-05	2.35E-04	2.83E-04	2.13E-02	8.90E-05	4.05E-04	2.21E-02
351	489588.17	3859771.48	0.06578	0.69596	0.0141	0.12166	2.45E-04	2.08E-02	8.99E-05	3.84E-04	2.15E-02	2.23E-04	2.10E-08	1.20E-06	1.05E-05	2.35E-04	2.84E-04	2.08E-02	8.99E-05	3.84E-04	2.15E-02
352	489238.17	3859821.48	0.06125	0.84455	0.012	0.17819	2.29E-04	2.52E-02	7.64E-05	5.63E-04	2.61E-02	2.08E-04	2.55E-08	1.02E-06	1.53E-05	2.24E-04	2.64E-04	2.52E-02	7.64E-05	5.63E-04	2.61E-02
353	489288.17	3859821.48	0.06163	0.81625	0.0124	0.16683	2.30E-04	2.44E-02	7.92E-05	5.27E-04	2.52E-02	2.09E-04	2.46E-08	1.06E-06	1.44E-05	2.25E-04	2.66E-04	2.44E-02	7.92E-05	5.27E-04	2.52E-02
354	489338.17	3859821.48	0.06191	0.79511	0.0127	0.15683	2.31E-04	2.37E-02	8.13E-05	4.95E-04	2.45E-02	2.10E-04	2.40E-08	1.08E-06	1.35E-05	2.25E-04	2.67E-04	2.37E-02	8.13E-05	4.95E-04	2.46E-02
355	489388.17	3859821.48	0.06226	0.77416	0.013	0.14772	2.32E-04	2.31E-02	8.30E-05	4.66E-04	2.39E-02	2.11E-04	2.34E-08	1.11E-06	1.27E-05	2.25E-04	2.69E-04	2.31E-02	8.30E-05	4.66E-04	2.39E-02
356	489438.17	3859821.48	0.06274	0.75178	0.0133	0.13926	2.34E-04	2.24E-02	8.46E-05	4.40E-04	2.32E-02	2.13E-04	2.27E-08	1.13E-06	1.20E-05	2.26E-04	2.71E-04	2.24E-02	8.46E-05	4.40E-04	2.32E-02
357	489488.17	3859821.48	0.06322	0.73039	0.0135	0.13158	2.36E-04	2.18E-02	8.59E-05	4.15E-04	2.25E-02	2.15E-04	2.21E-08	1.14E-06	1.13E-05	2.27E-04	2.73E-04	2.18E-02	8.59E-05	4.15E-04	2.26E-02
358	489538.17	3859821.48	0.0637	0.70952	0.0137	0.12457	2.38E-04	2.12E-02	8.71E-05	3.93E-04	2.19E-02	2.16E-04	2.14E-08	1.16E-06	1.07E-05	2.28E-04	2.75E-04	2.12E-02	8.71E-05	3.93E-04	2.19E-02
359	489588.17	3859821.48	0.06405	0.69221	0.0138	0.11828	2.39E-04	2.07E-02	8.78E-05	3.73E-04	2.14E-02	2.17E-04	2.09E-08	1.17E-06	1.02E-05	2.29E-04	2.76E-04	2.07E-02	8.78E-05	3.73E-04	2.14E-02
360	489238.17	3859871.48	0.05966	0.85457	0.0115	0.17222	2.23E-04	2.55E-02	7.34E-05	5.44E-04	2.63E-02	2.03E-04	2.58E-08	9.79E-07	1.48E-05	2.18E-04	2.57E-04	2.55E-02	7.34E-05	5.44E-04	2.64E-02
361	489288.17	3859871.48	0.05992	0.82975	0.0119	0.16169	2.24E-04	2.48E-02	7.62E-05	5.11E-04	2.56E-02	2.03E-04	2.51E-08	1.02E-06	1.39E-05	2.18E-04	2.59E-04	2.48E-02	7.62E-05	5.11E-04	2.56E-02
362	489338.17	3859871.48	0.06021	0.80184	0.0123	0.15209	2.25E-04	2.39E-02	7.85E-05	4.80E-04	2.47E-02	2.04E-04	2.42E-08	1.05E-06	1.31E-05	2.19E-04	2.60E-04	2.39E-02	7.85E-05	4.80E-04	2.47E-02

363	489388.17	3859871.48	0.06061	0.77749	0.0127	0.14321	2.26E-04	2.32E-02	8.07E-05	4.52E-04	2.40E-02	2.06E-04	2.35E-08	1.08E-06	1.23E-05	2.19E-04	2.62E-04	2.32E-02	8.07E-05	4.52E-04	2.40E-02
364	489438.17	3859871.48	0.06115	0.75135	0.013	0.13497	2.28E-04	2.24E-02	8.28E-05	4.26E-04	2.32E-02	2.08E-04	2.27E-08	1.10E-06	1.16E-05	2.20E-04	2.64E-04	2.24E-02	8.28E-05	4.26E-04	2.32E-02
365	489488.17	3859871.48	0.06174	0.72431	0.0133	0.12743	2.30E-04	2.16E-02	8.47E-05	4.02E-04	2.23E-02	2.10E-04	2.19E-08	1.13E-06	1.10E-05	2.22E-04	2.66E-04	2.16E-02	8.47E-05	4.02E-04	2.24E-02
366	489538.17	3859871.48	0.06204	0.70776	0.0134	0.12087	2.32E-04	2.11E-02	8.55E-05	3.82E-04	2.18E-02	2.11E-04	2.14E-08	1.14E-06	1.04E-05	2.22E-04	2.68E-04	2.11E-02	8.55E-05	3.82E-04	2.18E-02
367	489588.17	3859871.48	0.06243	0.68916	0.0135	0.11476	2.33E-04	2.06E-02	8.63E-05	3.62E-04	2.12E-02	2.12E-04	2.08E-08	1.15E-06	9.88E-06	2.23E-04	2.69E-04	2.06E-02	8.63E-05	3.62E-04	2.13E-02
368	489238.17	3859921.48	0.05824	0.87321	0.0111	0.16534	2.17E-04	2.61E-02	7.06E-05	5.22E-04	2.69E-02	1.98E-04	2.64E-08	9.41E-07	1.42E-05	2.13E-04	2.51E-04	2.61E-02	7.06E-05	5.22E-04	2.69E-02
369	489288.17	3859921.48	0.05854	0.83781	0.0115	0.1554	2.18E-04	2.50E-02	7.36E-05	4.91E-04	2.58E-02	1.99E-04	2.53E-08	9.81E-07	1.34E-05	2.13E-04	2.53E-04	2.50E-02	7.36E-05	4.91E-04	2.58E-02
370	489338.17	3859921.48	0.0588	0.81068	0.012	0.14637	2.19E-04	2.42E-02	7.62E-05	4.62E-04	2.49E-02	2.00E-04	2.45E-08	1.02E-06	1.26E-05	2.13E-04	2.54E-04	2.42E-02	7.62E-05	4.62E-04	2.50E-02
371	489388.17	3859921.48	0.0592	0.78195	0.0124	0.13788	2.21E-04	2.33E-02	7.88E-05	4.35E-04	2.41E-02	2.01E-04	2.36E-08	1.05E-06	1.19E-05	2.14E-04	2.55E-04	2.33E-02	7.88E-05	4.35E-04	2.41E-02
372	489438.17	3859921.48	0.05976	0.75029	0.0128	0.12998	2.23E-04	2.24E-02	8.14E-05	4.10E-04	2.31E-02	2.03E-04	2.27E-08	1.09E-06	1.12E-05	2.15E-04	2.58E-04	2.24E-02	8.14E-05	4.10E-04	2.31E-02
373	489488.17	3859921.48	0.06015	0.7266	0.013	0.12296	2.24E-04	2.17E-02	8.31E-05	3.88E-04	2.24E-02	2.04E-04	2.19E-08	1.11E-06	1.06E-05	2.16E-04	2.60E-04	2.17E-02	8.31E-05	3.88E-04	2.24E-02
374	489538.17	3859921.48	0.06048	0.70732	0.0132	0.11659	2.26E-04	2.11E-02	8.41E-05	3.68E-04	2.18E-02	2.05E-04	2.14E-08	1.12E-06	1.00E-05	2.17E-04	2.61E-04	2.11E-02	8.41E-05	3.68E-04	2.18E-02
375	489588.17	3859921.48	0.06094	0.68435	0.0134	0.11063	2.27E-04	2.04E-02	8.54E-05	3.49E-04	2.11E-02	2.07E-04	2.07E-08	1.14E-06	9.53E-06	2.18E-04	2.63E-04	2.04E-02	8.54E-05	3.49E-04	2.11E-02
376	489238.17	3859971.48	0.05693	0.89193	0.0107	0.15675	2.12E-04	2.66E-02	6.79E-05	4.95E-04	2.74E-02	1.93E-04	2.69E-08	9.06E-07	1.35E-05	2.08E-04	2.46E-04	2.66E-02	6.79E-05	4.95E-04	2.74E-02
377	489288.17	3859971.48	0.05713	0.85778	0.0111	0.14767	2.13E-04	2.56E-02	7.08E-05	4.66E-04	2.63E-02	1.94E-04	2.59E-08	9.44E-07	1.27E-05	2.08E-04	2.47E-04	2.56E-02	7.08E-05	4.66E-04	2.64E-02
378	489338.17	3859971.48	0.05743	0.82432	0.0116	0.13914	2.14E-04	2.46E-02	7.38E-05	4.39E-04	2.53E-02	1.95E-04	2.49E-08	9.84E-07	1.20E-05	2.08E-04	2.48E-04	2.46E-02	7.38E-05	4.39E-04	2.54E-02
379	489388.17	3859971.48	0.05788	0.7886	0.0121	0.13112	2.16E-04	2.35E-02	7.69E-05	4.14E-04	2.42E-02	1.97E-04	2.38E-08	1.02E-06	1.13E-05	2.09E-04	2.50E-04	2.35E-02	7.69E-05	4.14E-04	2.43E-02
380	489438.17	3859971.48	0.05844	0.7497	0.0126	0.12367	2.18E-04	2.24E-02	8.01E-05	3.90E-04	2.31E-02	1.98E-04	2.26E-08	1.07E-06	1.06E-05	2.10E-04	2.52E-04	2.24E-02	8.01E-05	3.90E-04	2.31E-02
381	489488.17	3859971.48	0.05908	0.7061	0.0129	0.11687	2.20E-04	2.11E-02	8.25E-05	3.69E-04	2.17E-02	2.01E-04	2.13E-08	1.10E-06	1.01E-05	2.12E-04	2.55E-04	2.11E-02	8.25E-05	3.69E-04	2.18E-02
382	489538.17	3859971.48	0.05955	0.67429	0.013	0.11081	2.22E-04	2.01E-02	8.31E-05	3.50E-04	2.08E-02	2.02E-04	2.04E-08	1.11E-06	9.54E-06	2.13E-04	2.57E-04	2.01E-02	8.31E-05	3.50E-04	2.08E-02
383	489588.17	3859971.48	0.05998	0.64865	0.0131	0.10528	2.24E-04	1.94E-02	8.36E-05	3.32E-04	2.00E-02	2.04E-04	1.96E-08	1.11E-06	9.07E-06	2.14E-04	2.59E-04	1.94E-02	8.36E-05	3.32E-04	2.00E-02
384	483577.7	3854071	0.1015	0.02624	0.0039	0.01267	3.79E-04	7.83E-04	2.47E-05	4.00E-05	1.23E-03	3.45E-04	7.92E-10	3.29E-07	1.09E-06	3.46E-04	4.38E-04	7.83E-04	2.47E-05	4.00E-05	1.29E-03
385	483627.7	3854071	0.10557	0.02573	0.0039	0.01281	3.94E-04	7.68E-04	2.47E-05	4.04E-05	1.23E-03	3.58E-04	7.77E-10	3.29E-07	1.10E-06	3.60E-04	4.56E-04	7.68E-04	2.47E-05	4.04E-05	1.29E-03
386	483677.7	3854071	0.10903	0.02508	0.0039	0.01293	4.07E-04	7.48E-04	2.47E-05	4.08E-05	1.22E-03	3.70E-04	7.57E-10	3.29E-07	1.11E-06	3.72E-04	4.70E-04	7.48E-04	2.47E-05	4.08E-05	1.28E-03
387	483727.7	3854071	0.11165	0.02443	0.0039	0.01306	4.17E-04	7.29E-04	2.47E-05	4.12E-05	1.21E-03	3.79E-04	7.38E-10	3.29E-07	1.12E-06	3.81E-04	4.82E-04	7.29E-04	2.47E-05	4.12E-05	1.28E-03
388	483777.7	3854071	0.11313	0.02341	0.0039	0.01327	4.22E-04	6.98E-04	2.47E-05	4.19E-05	1.19E-03	3.84E-04	7.07E-10	3.30E-07	1.14E-06	3.86E-04	4.88E-04	6.98E-04	2.47E-05	4.19E-05	1.25E-03
389	483577.7	3854121	0.1022	0.02711	0.0039	0.01342	3.81E-04	8.09E-04	2.49E-05	4.24E-05	1.26E-03	3.47E-04	8.19E-10	3.33E-07	1.16E-06	3.48E-04	4.41E-04	8.09E-04	2.49E-05	4.24E-05	1.32E-03
390	483627.7	3854121	0.10671	0.02627	0.0039	0.01357	3.98E-04	7.84E-04	2.49E-05	4.28E-05	1.25E-03	3.62E-04	7.93E-10	3.33E-07	1.17E-06	3.64E-04	4.60E-04	7.84E-04	2.49E-05	4.28E-05	1.31E-03
391	483677.7	3854121	0.11082	0.02519	0.0039	0.01371	4.14E-04	7.52E-04	2.49E-05	4.33E-05	1.23E-03	3.76E-04	7.61E-10	3.33E-07	1.18E-06	3.78E-04	4.78E-04	7.52E-04	2.49E-05	4.33E-05	1.30E-03
392	483727.7	3854121	0.11418	0.02409	0.0039	0.01393	4.26E-04	7.19E-04	2.49E-05	4.40E-05	1.21E-03	3.88E-04	7.27E-10	3.33E-07	1.20E-06	3.89E-04	4.93E-04	7.19E-04	2.49E-05	4.40E-05	1.28E-03
393	483777.7	3854121	0.11763	0.02342	0.0039	0.01424	4.39E-04	6.99E-04	2.49E-05	4.50E-05	1.21E-03	3.99E-04	7.07E-10	3.33E-07	1.23E-06	4.01E-04	5.08E-04	6.99E-04	2.49E-05	4.50E-05	1.28E-03
394	483577.7	3854171	0.10291	0.02721	0.004	0.01429	3.84E-04	8.12E-04	2.52E-05	4.51E-05	1.27E-03	3.49E-04	8.22E-10	3.36E-07	1.23E-06	3.51E-04	4.44E-04	8.12E-04	2.52E-05	4.51E-05	1.33E-03
395	483627.7	3854171	0.10743	0.02595	0.004	0.01446	4.01E-04	7.74E-04	2.52E-05	4.57E-05	1.25E-03	3.65E-04	7.84E-10	3.36E-07	1.25E-06	3.66E-04	4.64E-04	7.74E-04	2.52E-05	4.57E-05	1.31E-03
396	483677.7	3854171	0.11195	0.02504	0.004	0.01468	4.18E-04	7.47E-04	2.52E-05	4.64E-05	1.24E-03	3.80E-04	7.56E-10	3.36E-07	1.26E-06	3.82E-04	4.83E-04	7.47E-04	2.52E-05	4.64E-05	1.30E-03
397	483727.7	3854171	0.11643	0.02432	0.004	0.01501	4.34E-04	7.26E-04	2.52E-05	4.74E-05	1.23E-03	3.95E-04	7.34E-10	3.36E-07	1.29E-06	3.97E-04	5.02E-04	7.26E-04	2.52E-05	4.74E-05	1.30E-03
398	483777.7	3854171	0.12012	0.02353	0.004	0.01543	4.48E-04	7.02E-04	2.52E-05	4.87E-05	1.22E-03	4.08E-04	7.11E-10	3.36E-07	1.33E-06	4.09E-04	5.18E-04	7.02E-04	2.52E-05	4.87E-05	1.29E-03
399	483827.7	3854171	0.12191	0.0224	0.004	0.01588	4.55E-04	6.68E-04	2.53E-05	5.01E-05	1.20E-03	4.14E-04	6.76E-10	3.37E-07	1.37E-06	4.16E-04	5.26E-04	6.68E-04	2.53E-05	5.01E-05	1.27E-03
400	483877.7	3854171	0.1226	0.02186	0.004	0.0163	4.57E-04	6.52E-04	2.53E-05	5.15E-05	1.19E-03	4.16E-04	6.60E-10	3.37E-07	1.40E-06	4.18E-04	5.29E-04	6.52E-04	2.53E-05	5.15E-05	1.26E-03
401	483727.7	3854221	0.11722	0.02475	0.004	0.01638	4.37E-04	7.38E-04	2.55E-05	5.17E-05	1.25E-03	3.98E-04	7.47E-10	3.39E-07	1.41E-06	4.00E-04	5.06E-04	7.38E-04	2.55E-05	5.17E-05	1.32E-03
402	483777.7	3854221	0.12147	0.0239	0.004	0.0169	4.53E-04	7.13E-04	2.55E-05	5.34E-05	1.25E-03	4.12E-04	7.22E-10	3.39E-07	1.46E-06	4.14E-04	5.24E-04	7.13E-04	2.55E-05	5.34E-05	1.32E-03
403	483827.7	3854221	0.12565	0.0237	0.004	0.0174	4.69E-04	7.07E-04	2.55E-05	5.49E-05	1.26E-03	4.27E-04	7.16E-10	3.40E-07	1.50E-06	4.28E-04	5.42E-04	7.07E-04	2.55E-05	5.49E-05	1.33E-03
404	483877.7	3854221	0.12726	0.02282	0.004	0.01784	4.75E-04	6.81E-04	2.55E-05	5.63E-05	1.24E-03	4.32E-04	6.89E-10	3.40E-07	1.54E-06	4.34E-04	5.49E-04	6.81E-04	2.55E-05	5.63E-05	1.31E-03
405	489150.19	3858726.45	0.11379	0.63736	0.0573	0.07222	4.25E-04	1.90E-02	3.66E-04	2.28E-04	2.00E-02	3.86E-04	1.92E-08	4.87E-06	6.22E-06	3.97E-04	4.91E-04	1.90E-02	3.66E-04	2.28E-04	2.01E-02
406	489200.19	3858726.45	0.11329	0.62437	0.0593	0.07136	4.23E-04	1.86E-02	3.79E-04	2.25E-04	1.97E-02	3.85E-04	1.89E-08	5.05E-06	6.14E-06	3.96E-04	4.89E-04	1.86E-02	3.79E-04	2.25E-04	1.97E-02
407	489150.19	3858776.45	0.11045	0.69437	0.049	0.07584	4.12E-04	2.07E-02	3.13E-04	2.39E-04	2.17E-02	3.75E-04	2.10E-08	4.17E-06	6.53E-06	3.86E-04	4.77E-04	2.07E-02	3.13E-04	2.39E-04	2.17E-02
408	489200.19	3858776.45	0.10994	0.6749	0.051	0.07499	4.10E-04	2.01E-02	3.25E-04	2.37E-04	2.11E-02	3.73E-04	2.04E-08	4.34E-06	6.46E-06	3.84E-04	4.74E-04	2.01E-02	3.25E-04	2.37E-04	2.12E-02
409	488919.6	3856400.76	0.74463	0.15135	0.0194	0.02952	2.78E-03	4.52E-03	1.24E-04	9.32E-05	7.51E-03	2.53E-03	4.57E-09	1.65E-06	2.54E-06	2.53E-03	3.21E-03	4.52E-03	1.24E-04	9.32E-05	7.95E-03
410	488919.6	3856450.76	0.75107	0.15536	0.0201	0.02912	2.80E-03	4.63E-03	1.28E-04	9.19E-05	7.66E-03	2.55E-03	4.69E-09	1.71E-06	2.51E-06	2.55E-03	3.24E-03	4.63E-03	1.28E-04	9.19E-05	8.10E-03
411	488969.6	3856450.76	0.73376	0.15381	0.0203	0.02892	2.74E-03	4.59E-03	1.29E-04	9.13E-05	7.55E-03	2.49E-03	4.64E-09	1.73E-06	2.49E-06	2.50E-03	3.17E-03	4.59E-03	1.29E-04	9.13E-05	7.98E-03
412	488919.6	3856500.76	0.7557	0.15938	0.0208	0.02875	2.82E-03	4.75E-03	1.33E-04	9.08E-05	7.80E-03	2.57E-03	4.81E-09	1.77E-06	2.48E-06	2.57E-03	3.26E-03	4.75E-03	1.33E-04	9.08E-05	8.24E-03
413	488969.6	3856500.76	0.73788	0.15809	0.0211	0.02858	2.75E-03	4.72E-03	1.34E-04	9.02E-05	7.69E-03	2.51E-03	4.77E-09	1.79E-06	2.46E-06	2.51E-03	3.18E-03	4.72E-03	1.34E-04	9.02E-05	8.12E-03
414	488919.6	3856550.76	0.75827	0.16374	0.0217	0.02841	2.83E-03	4.88E-03	1.38E-04	8.97E-05	7.94E-03	2.57E-03	4.94E-09	1.84E-06	2.45E-06	2.58E-03	3.27E-03	4.88E-03	1.38E-04	8.97E-05	8.38E-03
415	488969.6	3856550.76	0.73994	0.1621	0.022	0.02828	2.76E-03	4.84E-03	1.41E-04	8.93E-05	7.83E-03	2.51E-03	4.90E-09	1.87E-06	2.44E-06	2.52E-03	3.19E-03	4.84E-03	1.41E-04	8.93E-05	8.26E-03
416	488819.6	3856600.76	0.79801	0.17073	0.022	0.02841	2.98E-03	5.09E-03	1.40E-04	8.97E-05	8.30E-03	2.71E-03	5.16E-09	1.87E-06	2.45E-06	2.71E-03	3.44E-03	5.09E-03	1.40E-04	8.97E-05	8.77E-03
417	488869.6	3856600.76	0.77776	0.16903	0.0223	0.02825	2.90E-03	5.04E-03	1.42E-04	8.92E-05	8.18E-03	2.64E-03	5.10E-09	1.90E-06	2.43E-06	2.64E-03	3.36E-03	5.04E-03	1.42E-04	8.92E-05	8.63E-03
418	488919.6	3856600.76	0.75824	0.16764	0.0227	0.02813	2.83E-03	5.00E-03	1.45E-04	8.88E-05	8.06E-03	2.57E-03	5.06E-09	1.93E-06	2.42E-06	2.58E-03	3.27E-03	5.00E-03	1.45E-04	8.88E-05	8.51E-03
419	488819.6	3856650.76	0.79616	0.1749	0.023	0.0281	2.97E-03	5.22E-03	1.47E-04	8.87E-05	8.42E-03	2.70E-03	5.28E-09	1.96E-06	2.42E-06	2.71E-03	3.44E-03	5.22E-03	1.47E-04	8.87E-05	8.89E-03
420	488869.6	3856650.76	0.77556	0.17311	0.0235	0.02798	2.89E-03	5.16E-03	1.50E-04	8.83E-05	8.30E-03	2.63E-03	5.23E-09	2.00E-06	2.41E-06	2.64E-03	3.35E-03	5.16E-03	1.50E-04	8.83E-05	8.75E-03
421	488819.6	3856700.76	0.79139	0.17912	0.0243	0.02784	2.95E-03	5.34E-03	1.55E-04	8.79E-05	8.54E-03	2.69E-03	5.41E-09	2.06E-06	2.40E-06	2.69E-03	3.41E-03	5.34E-03	1.55E-04	8.79E-05	9.00E-03
422	488869.6	3856700.76	0.77064	0.17716	0.0249	0.02777	2.88E-03	5.29E-03	1.59E-04	8.77E-05	8.41E-03	2.62E-03	5.35E-09	2.12E-06	2.39E-06	2.62E-03	3.33E-03	5.29E-03	1.59E-04	8.77E-05	8.86E-03
423	488819.6	3856750.76	0.7838	0.18299	0.0258	0.02765	2.92E-03	5.46E-03	1.65E-04	8.73E-05	8.64E-03	2.66E-03	5.53E-09	2.19E-06	2.38E-06	2.67E-03	3.38E-03	5.46E-03	1.65E-04	8.73E-05	9.09E-03

424	488869.6	3856750.76	0.7628	0.18133	0.0267	0.0276	2.85E-03	5.41E-03	1.70E-04	8.71E-05	8.51E-03	2.59E-03	5.48E-09	2.27E-06	2.38E-06	2.59E-03	3.29E-03	5.41E-03	1.70E-04	8.71E-05	8.96E-03
425	488819.6	3857050.76	0.67546	0.20823	0.05	0.02757	2.52E-03	6.21E-03	3.19E-04	8.70E-05	9.14E-03	2.29E-03	6.29E-09	4.25E-06	2.37E-06	2.30E-03	2.91E-03	6.21E-03	3.19E-04	8.70E-05	9.53E-03
426	488869.6	3857050.76	0.65782	0.20656	0.0554	0.02762	2.45E-03	6.16E-03	3.53E-04	8.72E-05	9.06E-03	2.23E-03	6.24E-09	4.71E-06	2.38E-06	2.24E-03	2.84E-03	6.16E-03	3.53E-04	8.72E-05	9.44E-03
427	488919.6	3857050.76	0.6413	0.20468	0.0611	0.02764	2.39E-03	6.11E-03	3.90E-04	8.73E-05	8.98E-03	2.18E-03	6.18E-09	5.20E-06	2.38E-06	2.18E-03	2.77E-03	6.11E-03	3.90E-04	8.73E-05	9.35E-03
428	488819.6	3857100.76	0.64967	0.21264	0.0592	0.02772	2.42E-03	6.34E-03	3.77E-04	8.75E-05	9.23E-03	2.21E-03	6.42E-09	5.03E-06	2.39E-06	2.21E-03	2.80E-03	6.34E-03	3.77E-04	8.75E-05	9.61E-03
429	488869.6	3857100.76	0.63352	0.21065	0.0657	0.02776	2.36E-03	6.28E-03	4.19E-04	8.76E-05	9.15E-03	2.15E-03	6.36E-09	5.59E-06	2.39E-06	2.16E-03	2.73E-03	6.28E-03	4.19E-04	8.76E-05	9.52E-03
430	488919.6	3857100.76	0.61774	0.20906	0.0723	0.02779	2.31E-03	6.24E-03	4.61E-04	8.77E-05	9.09E-03	2.10E-03	6.31E-09	6.15E-06	2.39E-06	2.11E-03	2.67E-03	6.24E-03	4.61E-04	8.77E-05	9.45E-03
431	488819.6	3857150.76	0.62286	0.21718	0.0709	0.02793	2.32E-03	6.48E-03	4.52E-04	8.82E-05	9.34E-03	2.11E-03	6.56E-09	6.03E-06	2.41E-06	2.12E-03	2.69E-03	6.48E-03	4.52E-04	8.82E-05	9.71E-03
432	488869.6	3857150.76	0.60772	0.21537	0.0786	0.02797	2.27E-03	6.43E-03	5.01E-04	8.83E-05	9.28E-03	2.06E-03	6.50E-09	6.68E-06	2.41E-06	2.07E-03	2.62E-03	6.43E-03	5.01E-04	8.83E-05	9.64E-03
433	488919.6	3857150.76	0.59346	0.21341	0.0861	0.02799	2.21E-03	6.37E-03	5.49E-04	8.84E-05	9.22E-03	2.01E-03	6.44E-09	7.32E-06	2.41E-06	2.02E-03	2.56E-03	6.37E-03	5.49E-04	8.84E-05	9.57E-03
434	488969.6	3857150.76	0.57974	0.21155	0.0934	0.02801	2.16E-03	6.31E-03	5.95E-04	8.84E-05	9.16E-03	1.97E-03	6.39E-09	7.94E-06	2.41E-06	1.98E-03	2.50E-03	6.31E-03	5.95E-04	8.84E-05	9.50E-03
435	488819.6	3857200.76	0.59531	0.22196	0.0859	0.0282	2.22E-03	6.62E-03	5.48E-04	8.90E-05	9.48E-03	2.02E-03	6.70E-09	7.30E-06	2.43E-06	2.03E-03	2.57E-03	6.62E-03	5.48E-04	8.90E-05	9.83E-03
436	488869.6	3857200.76	0.58138	0.22019	0.0948	0.02823	2.17E-03	6.57E-03	6.05E-04	8.91E-05	9.43E-03	1.97E-03	6.65E-09	8.06E-06	2.43E-06	1.98E-03	2.51E-03	6.57E-03	6.05E-04	8.91E-05	9.77E-03
437	488919.6	3857200.76	0.56828	0.21824	0.1034	0.02825	2.12E-03	6.51E-03	6.59E-04	8.92E-05	9.38E-03	1.93E-03	6.59E-09	8.79E-06	2.43E-06	1.94E-03	2.45E-03	6.51E-03	6.59E-04	8.92E-05	9.71E-03
438	488969.6	3857200.76	0.55597	0.21608	0.1115	0.02827	2.07E-03	6.45E-03	7.11E-04	8.93E-05	9.32E-03	1.89E-03	6.53E-09	9.49E-06	2.43E-06	1.90E-03	2.40E-03	6.45E-03	7.11E-04	8.93E-05	9.65E-03
439	488819.6	3857250.76	0.56761	0.22674	0.1051	0.02854	2.12E-03	6.76E-03	6.70E-04	9.01E-05	9.64E-03	1.93E-03	6.85E-09	8.94E-06	2.46E-06	1.94E-03	2.45E-03	6.76E-03	6.70E-04	9.01E-05	9.97E-03
440	488869.6	3857250.76	0.55512	0.22483	0.1154	0.02856	2.07E-03	6.71E-03	7.36E-04	9.02E-05	9.60E-03	1.88E-03	6.79E-09	9.81E-06	2.46E-06	1.90E-03	2.40E-03	6.71E-03	7.36E-04	9.02E-05	9.93E-03
441	488919.6	3857250.76	0.54317	0.2229	0.1252	0.02858	2.03E-03	6.65E-03	7.99E-04	9.02E-05	9.57E-03	1.84E-03	6.73E-09	1.06E-05	2.46E-06	1.86E-03	2.34E-03	6.65E-03	7.99E-04	9.02E-05	9.88E-03
442	488969.6	3857250.76	0.53175	0.22093	0.1346	0.02859	1.98E-03	6.59E-03	8.59E-04	9.03E-05	9.52E-03	1.81E-03	6.67E-09	1.14E-05	2.46E-06	1.82E-03	2.29E-03	6.59E-03	8.59E-04	9.03E-05	9.83E-03
443	488819.6	3857300.76	0.53951	0.23198	0.1299	0.02895	2.01E-03	6.92E-03	8.29E-04	9.14E-05	9.85E-03	1.83E-03	7.01E-09	1.11E-05	2.49E-06	1.85E-03	2.33E-03	6.92E-03	8.29E-04	9.14E-05	1.02E-02
444	488869.6	3857300.76	0.5284	0.22997	0.142	0.02896	1.97E-03	6.86E-03	9.05E-04	9.14E-05	9.83E-03	1.79E-03	6.94E-09	1.21E-05	2.49E-06	1.81E-03	2.28E-03	6.86E-03	9.05E-04	9.14E-05	1.01E-02
445	488919.6	3857300.76	0.51754	0.22813	0.1535	0.02897	1.93E-03	6.81E-03	9.79E-04	9.15E-05	9.81E-03	1.76E-03	6.89E-09	1.31E-05	2.49E-06	1.77E-03	2.23E-03	6.81E-03	9.79E-04	9.15E-05	1.01E-02
446	488819.6	3857450.76	0.4567	0.24882	0.2649	0.03065	1.70E-03	7.42E-03	1.69E-03	9.68E-05	1.09E-02	1.55E-03	7.51E-09	2.25E-05	2.64E-06	1.58E-03	1.97E-03	7.42E-03	1.69E-03	9.68E-05	1.12E-02
447	488869.6	3857450.76	0.44954	0.24653	0.2834	0.03062	1.68E-03	7.35E-03	1.81E-03	9.67E-05	1.09E-02	1.53E-03	7.44E-09	2.41E-05	2.64E-06	1.55E-03	1.94E-03	7.35E-03	1.81E-03	9.67E-05	1.12E-02
448	488919.6	3857450.76	0.44191	0.24489	0.2998	0.03062	1.65E-03	7.31E-03	1.91E-03	9.67E-05	1.10E-02	1.50E-03	7.40E-09	2.55E-05	2.64E-06	1.53E-03	1.91E-03	7.31E-03	1.91E-03	9.67E-05	1.12E-02
449	488819.6	3857500.76	0.43052	0.25475	0.3425	0.03139	1.61E-03	7.60E-03	2.18E-03	9.91E-05	1.15E-02	1.46E-03	7.69E-09	2.91E-05	2.70E-06	1.49E-03	1.86E-03	7.60E-03	2.18E-03	9.91E-05	1.17E-02
450	488869.6	3857500.76	0.42401	0.25289	0.3617	0.03138	1.58E-03	7.54E-03	2.31E-03	9.91E-05	1.15E-02	1.44E-03	7.64E-09	3.08E-05	2.70E-06	1.47E-03	1.83E-03	7.54E-03	2.31E-03	9.91E-05	1.18E-02
451	488919.6	3857500.76	0.41759	0.25109	0.3767	0.03138	1.56E-03	7.49E-03	2.40E-03	9.91E-05	1.16E-02	1.42E-03	7.58E-09	3.20E-05	2.70E-06	1.45E-03	1.80E-03	7.49E-03	2.40E-03	9.91E-05	1.18E-02
452	488819.6	3857550.76	0.40499	0.26143	0.4428	0.03229	1.51E-03	7.80E-03	2.82E-03	1.02E-04	1.22E-02	1.37E-03	7.89E-09	3.77E-05	2.78E-06	1.42E-03	1.75E-03	7.80E-03	2.82E-03	1.02E-04	1.25E-02
453	488869.6	3857550.76	0.39967	0.25935	0.4586	0.03229	1.49E-03	7.74E-03	2.93E-03	1.02E-04	1.23E-02	1.36E-03	7.83E-09	3.90E-05	2.78E-06	1.40E-03	1.72E-03	7.74E-03	2.93E-03	1.02E-04	1.25E-02
454	488919.6	3857550.76	0.39406	0.25769	0.4688	0.03231	1.47E-03	7.69E-03	2.99E-03	1.02E-04	1.23E-02	1.34E-03	7.78E-09	3.99E-05	2.78E-06	1.38E-03	1.70E-03	7.69E-03	2.99E-03	1.02E-04	1.25E-02
455	489663.71	3860900.05	0.03761	0.30076	0.0071	0.01908	1.40E-04	8.97E-03	4.53E-05	6.02E-05	9.22E-03	1.28E-04	9.08E-09	6.04E-07	1.64E-06	1.30E-04	1.62E-04	8.97E-03	4.53E-05	6.02E-05	9.24E-03
456	489813.71	3860900.05	0.03782	0.29296	0.0079	0.0186	1.41E-04	8.74E-03	5.06E-05	5.87E-05	8.99E-03	1.28E-04	8.85E-09	6.74E-07	1.60E-06	1.31E-04	1.63E-04	8.74E-03	5.06E-05	5.87E-05	9.01E-03
457	489863.71	3860900.05	0.03782	0.28961	0.0082	0.01845	1.41E-04	8.64E-03	5.22E-05	5.83E-05	8.89E-03	1.28E-04	8.75E-09	6.96E-07	1.59E-06	1.31E-04	1.63E-04	8.64E-03	5.22E-05	5.83E-05	8.91E-03
458	489913.71	3860900.05	0.03792	0.28729	0.0085	0.01836	1.41E-04	8.57E-03	5.39E-05	5.80E-05	8.82E-03	1.29E-04	8.68E-09	7.19E-07	1.58E-06	1.31E-04	1.64E-04	8.57E-03	5.39E-05	5.80E-05	8.85E-03
459	489963.71	3860900.05	0.03791	0.28385	0.0087	0.01823	1.41E-04	8.47E-03	5.53E-05	5.76E-05	8.72E-03	1.29E-04	8.57E-09	7.37E-07	1.57E-06	1.31E-04	1.64E-04	8.47E-03	5.53E-05	5.76E-05	8.74E-03
460	490013.71	3860900.05	0.03801	0.28136	0.0089	0.01817	1.42E-04	8.39E-03	5.66E-05	5.74E-05	8.65E-03	1.29E-04	8.50E-09	7.55E-07	1.56E-06	1.31E-04	1.64E-04	8.39E-03	5.66E-05	5.74E-05	8.67E-03
461	490063.71	3860900.05	0.03806	0.27829	0.0091	0.01807	1.42E-04	8.30E-03	5.78E-05	5.71E-05	8.56E-03	1.29E-04	8.40E-09	7.71E-07	1.56E-06	1.32E-04	1.64E-04	8.30E-03	5.78E-05	5.71E-05	8.58E-03
462	489663.71	3860950.05	0.03689	0.27353	0.0069	0.01746	1.38E-04	8.16E-03	4.38E-05	5.51E-05	8.40E-03	1.25E-04	8.26E-09	5.83E-07	1.50E-06	1.27E-04	1.59E-04	8.16E-03	4.38E-05	5.51E-05	8.42E-03
463	489813.71	3860950.05	0.03711	0.26809	0.0077	0.01713	1.38E-04	8.00E-03	4.89E-05	5.41E-05	8.24E-03	1.26E-04	8.10E-09	6.51E-07	1.48E-06	1.28E-04	1.60E-04	8.00E-03	4.89E-05	5.41E-05	8.26E-03
464	489863.71	3860950.05	0.0371	0.26552	0.0079	0.01699	1.38E-04	7.92E-03	5.05E-05	5.36E-05	8.16E-03	1.26E-04	8.02E-09	6.74E-07	1.46E-06	1.28E-04	1.60E-04	7.92E-03	5.05E-05	5.36E-05	8.19E-03
465	489913.71	3860950.05	0.03718	0.26379	0.0082	0.01691	1.39E-04	7.87E-03	5.22E-05	5.34E-05	8.11E-03	1.26E-04	7.97E-09	6.96E-07	1.46E-06	1.28E-04	1.60E-04	7.87E-03	5.22E-05	5.34E-05	8.14E-03
466	489963.71	3860950.05	0.03719	0.26148	0.0084	0.01681	1.39E-04	7.80E-03	5.36E-05	5.31E-05	8.05E-03	1.26E-04	7.90E-09	7.15E-07	1.45E-06	1.28E-04	1.60E-04	7.80E-03	5.36E-05	5.31E-05	8.07E-03
467	490013.71	3860950.05	0.03724	0.25944	0.0086	0.01674	1.39E-04	7.74E-03	5.50E-05	5.29E-05	7.99E-03	1.26E-04	7.83E-09	7.34E-07	1.44E-06	1.29E-04	1.61E-04	7.74E-03	5.50E-05	5.29E-05	8.01E-03
468	490063.71	3860950.05	0.0373	0.25737	0.0088	0.01669	1.39E-04	7.68E-03	5.63E-05	5.27E-05	7.93E-03	1.27E-04	7.77E-09	7.50E-07	1.44E-06	1.29E-04	1.61E-04	7.68E-03	5.63E-05	5.27E-05	7.95E-03
469	489513.71	3861000.05	0.03602	0.25391	0.006	0.01616	1.34E-04	7.57E-03	3.83E-05	5.10E-05	7.80E-03	1.22E-04	7.67E-09	5.10E-07	1.39E-06	1.24E-04	1.55E-04	7.57E-03	3.83E-05	5.10E-05	7.82E-03
470	489563.71	3861000.05	0.03606	0.25264	0.0062	0.01611	1.35E-04	7.54E-03	3.95E-05	5.09E-05	7.76E-03	1.22E-04	7.63E-09	5.26E-07	1.39E-06	1.24E-04	1.56E-04	7.54E-03	3.95E-05	5.09E-05	7.78E-03
471	489613.71	3861000.05	0.03615	0.25169	0.0064	0.01608	1.35E-04	7.51E-03	4.09E-05	5.08E-05	7.74E-03	1.23E-04	7.60E-09	5.45E-07	1.38E-06	1.25E-04	1.56E-04	7.51E-03	4.09E-05	5.08E-05	7.76E-03
472	489663.71	3861000.05	0.03621	0.25038	0.0066	0.01604	1.35E-04	7.47E-03	4.24E-05	5.06E-05	7.70E-03	1.23E-04	7.56E-09	5.65E-07	1.38E-06	1.25E-04	1.56E-04	7.47E-03	4.24E-05	5.06E-05	7.72E-03
473	489713.71	3861000.05	0.03625	0.24874	0.0069	0.01598	1.35E-04	7.42E-03	4.39E-05	5.05E-05	7.65E-03	1.23E-04	7.51E-09	5.85E-07	1.38E-06	1.25E-04	1.56E-04	7.42E-03	4.39E-05	5.05E-05	7.67E-03
474	489763.71	3861000.05	0.03631	0.2473	0.0071	0.0159	1.35E-04	7.38E-03	4.55E-05	5.02E-05	7.61E-03	1.23E-04	7.47E-09	6.07E-07	1.37E-06	1.25E-04	1.57E-04	7.38E-03	4.55E-05	5.02E-05	7.63E-03
475	489813.71	3861000.05	0.03643	0.24642	0.0074	0.01585	1.36E-04	7.35E-03	4.73E-05	5.00E-05	7.58E-03	1.24E-04	7.44E-09	6.30E-07	1.36E-06	1.26E-04	1.57E-04	7.35E-03	4.73E-05	5.00E-05	7.61E-03
476	489863.71	3861000.05	0.03643	0.24444	0.0077	0.01574	1.36E-04	7.29E-03	4.89E-05	4.97E-05	7.53E-03	1.24E-04	7.38E-09	6.51E-07	1.36E-06	1.26E-04	1.57E-04	7.29E-03	4.89E-05	4.97E-05	7.55E-03
477	489913.71	3861000.05	0.03651	0.24323	0.0079	0.01566	1.36E-04	7.26E-03	5.06E-05	4.94E-05	7.49E-03	1.24E-04	7.35E-09	6.74E-07	1.35E-06	1.26E-04	1.58E-04	7.26E-03	5.06E-05	4.94E-05	7.51E-03
478	489963.71	3861000.05	0.0365	0.24133	0.0082	0.01557	1.36E-04	7.20E-03	5.20E-05	4.92E-05	7.44E-03	1.24E-04	7.29E-09	6.94E-07	1.34E-06	1.26E-04	1.58E-04	7.20E-03	5.20E-05	4.92E-05	7.46E-03
479	490013.71	3861000.05	0.03655	0.23988	0.0084	0.01551	1.36E-04	7.16E-03	5.35E-05	4.90E-05	7.40E-03	1.24E-04	7.24E-09	7.14E-07	1.34E-06	1.26E-04	1.58E-04	7.16E-03	5.35E-05	4.90E-05	7.42E-03
480	490063.71	3861000.05	0.03658	0.23829	0.0086	0.01546	1.36E-04	7.11E-03	5.48E-05	4.88E-05	7.35E-03	1.24E-04	7.20E-09	7.31E-07	1.33E-06	1.26E-04	1.58E-04	7.11E-03	5.48E-05	4.88E-05	7.37E-03
481	489513.71	3861050.05	0.0354	0.23297	0.0058	0.01493	1.32E-04	6.95E-03	3.73E-05	4.71E-05	7.17E-03	1.20E-04	7.04E-09	4.97E-07	1.29E-06	1.22E-04	1.53E-04	6.95E-03	3.73E-05	4.71E-05	7.19E-03
482	489563.71	3861050.05	0.03542	0.23205	0.006	0.01486	1.32E-04	6.92E-03	3.83E-05	4.69E-05	7.14E-03	1.20E-04	7.01E-09	5.11E-07	1.28E-06	1.22E-04	1.53E-04	6.92E-03	3.83E-05	4.69E-05	7.16E-03
483	489613.71	3861050.05	0.03554	0.23175	0.0062	0.01485	1.33E-04	6.91E-03	3.97E-05	4.69E-05	7.13E-03	1.21E-04	7.00E-09	5.29E-07	1.28E-06	1.22E-04	1.53E-04	6.91E-03	3.97E-05	4.69E-05	7.15E-03
484	489663.71	3861050.05	0.03555	0.23032	0.0064	0.0148	1.33E-04	6.87E-03	4.10E-05	4.67E-05	7.09E-03	1.21E-04	6.96E-09	5.46E-07	1.27E-06	1.23E-04	1.53E-04	6.87E-03	4.10E-05	4.67E-05	7.11E-03

485	489713.71	3861050.05	0.03558	0.22898	0.0067	0.01476	1.33E-04	6.83E-03	4.24E-05	4.66E-05	7.05E-03	1.21E-04	6.91E-09	5.66E-07	1.27E-06	1.23E-04	1.54E-04	6.83E-03	4.24E-05	4.66E-05	7.07E-03
486	489763.71	3861050.05	0.03565	0.22798	0.0069	0.01473	1.33E-04	6.80E-03	4.40E-05	4.65E-05	7.02E-03	1.21E-04	6.88E-09	5.87E-07	1.27E-06	1.23E-04	1.54E-04	6.80E-03	4.40E-05	4.65E-05	7.05E-03
487	489813.71	3861050.05	0.03573	0.22709	0.0072	0.01469	1.33E-04	6.77E-03	4.57E-05	4.64E-05	7.00E-03	1.21E-04	6.86E-09	6.09E-07	1.26E-06	1.23E-04	1.54E-04	6.77E-03	4.57E-05	4.64E-05	7.02E-03
488	489863.71	3861050.05	0.03577	0.22581	0.0074	0.01463	1.33E-04	6.74E-03	4.73E-05	4.62E-05	6.96E-03	1.21E-04	6.82E-09	6.30E-07	1.26E-06	1.23E-04	1.54E-04	6.74E-03	4.73E-05	4.62E-05	6.98E-03
489	489913.71	3861050.05	0.03581	0.22466	0.0077	0.01456	1.34E-04	6.70E-03	4.89E-05	4.60E-05	6.93E-03	1.22E-04	6.78E-09	6.52E-07	1.25E-06	1.23E-04	1.55E-04	6.70E-03	4.89E-05	4.60E-05	6.95E-03
490	489963.71	3861050.05	0.03584	0.22342	0.0079	0.01449	1.34E-04	6.67E-03	5.05E-05	4.58E-05	6.90E-03	1.22E-04	6.75E-09	6.73E-07	1.25E-06	1.24E-04	1.55E-04	6.67E-03	5.05E-05	4.58E-05	6.92E-03
491	490013.71	3861050.05	0.03591	0.22258	0.0082	0.01445	1.34E-04	6.64E-03	5.20E-05	4.56E-05	6.87E-03	1.22E-04	6.72E-09	6.93E-07	1.24E-06	1.24E-04	1.55E-04	6.64E-03	5.20E-05	4.56E-05	6.89E-03
492	490063.71	3861050.05	0.03593	0.22131	0.0084	0.0144	1.34E-04	6.60E-03	5.33E-05	4.55E-05	6.84E-03	1.22E-04	6.68E-09	7.11E-07	1.24E-06	1.24E-04	1.55E-04	6.60E-03	5.33E-05	4.55E-05	6.86E-03
493	489513.71	3861100.05	0.03485	0.21535	0.0057	0.01393	1.30E-04	6.42E-03	3.63E-05	4.40E-05	6.63E-03	1.18E-04	6.50E-09	4.84E-07	1.20E-06	1.20E-04	1.50E-04	6.42E-03	3.63E-05	4.40E-05	6.66E-03
494	489563.71	3861100.05	0.0348	0.21413	0.0058	0.01383	1.30E-04	6.39E-03	3.73E-05	4.37E-05	6.60E-03	1.18E-04	6.47E-09	4.97E-07	1.19E-06	1.20E-04	1.50E-04	6.39E-03	3.73E-05	4.37E-05	6.62E-03
495	489613.71	3861100.05	0.03475	0.21273	0.006	0.01374	1.30E-04	6.35E-03	3.83E-05	4.34E-05	6.56E-03	1.18E-04	6.42E-09	5.11E-07	1.18E-06	1.20E-04	1.50E-04	6.35E-03	3.83E-05	4.34E-05	6.58E-03
496	489663.71	3861100.05	0.03481	0.21217	0.0062	0.01371	1.30E-04	6.33E-03	3.96E-05	4.33E-05	6.54E-03	1.18E-04	6.41E-09	5.28E-07	1.18E-06	1.20E-04	1.50E-04	6.33E-03	3.96E-05	4.33E-05	6.56E-03
497	489713.71	3861100.05	0.03488	0.21152	0.0064	0.01369	1.30E-04	6.31E-03	4.10E-05	4.32E-05	6.52E-03	1.18E-04	6.39E-09	5.47E-07	1.18E-06	1.20E-04	1.51E-04	6.31E-03	4.10E-05	4.32E-05	6.55E-03
498	489763.71	3861100.05	0.03495	0.21076	0.0067	0.01367	1.30E-04	6.29E-03	4.25E-05	4.32E-05	6.50E-03	1.19E-04	6.36E-09	5.67E-07	1.18E-06	1.20E-04	1.51E-04	6.29E-03	4.25E-05	4.32E-05	6.52E-03
499	489813.71	3861100.05	0.03504	0.21013	0.0069	0.01366	1.31E-04	6.27E-03	4.41E-05	4.31E-05	6.49E-03	1.19E-04	6.35E-09	5.89E-07	1.18E-06	1.21E-04	1.51E-04	6.27E-03	4.41E-05	4.31E-05	6.51E-03
500	489863.71	3861100.05	0.03515	0.20964	0.0072	0.01365	1.31E-04	6.25E-03	4.58E-05	4.31E-05	6.47E-03	1.19E-04	6.33E-09	6.11E-07	1.18E-06	1.21E-04	1.52E-04	6.25E-03	4.58E-05	4.31E-05	6.49E-03
501	489913.71	3861100.05	0.03515	0.20841	0.0074	0.01359	1.31E-04	6.22E-03	4.73E-05	4.29E-05	6.44E-03	1.19E-04	6.29E-09	6.31E-07	1.17E-06	1.21E-04	1.52E-04	6.22E-03	4.73E-05	4.29E-05	6.46E-03
502	489963.71	3861100.05	0.0352	0.20752	0.0077	0.01354	1.31E-04	6.19E-03	4.89E-05	4.28E-05	6.41E-03	1.20E-04	6.27E-09	6.52E-07	1.17E-06	1.21E-04	1.52E-04	6.19E-03	4.89E-05	4.28E-05	6.43E-03
503	490013.71	3861100.05	0.0352	0.20641	0.0079	0.01349	1.31E-04	6.16E-03	5.04E-05	4.26E-05	6.38E-03	1.20E-04	6.23E-09	6.72E-07	1.16E-06	1.21E-04	1.52E-04	6.16E-03	5.04E-05	4.26E-05	6.40E-03
504	490063.71	3861100.05	0.03523	0.20556	0.0081	0.01345	1.31E-04	6.13E-03	5.18E-05	4.25E-05	6.36E-03	1.20E-04	6.21E-09	6.91E-07	1.16E-06	1.21E-04	1.52E-04	6.13E-03	5.18E-05	4.25E-05	6.38E-03
505	489713.71	3861150.05	0.03422	0.19632	0.0062	0.01279	1.28E-04	5.86E-03	3.97E-05	4.04E-05	6.06E-03	1.16E-04	5.93E-09	5.30E-07	1.10E-06	1.18E-04	1.48E-04	5.86E-03	3.97E-05	4.04E-05	6.08E-03
506	489763.71	3861150.05	0.03431	0.19589	0.0065	0.01277	1.28E-04	5.84E-03	4.11E-05	4.03E-05	6.05E-03	1.16E-04	5.92E-09	5.49E-07	1.10E-06	1.18E-04	1.48E-04	5.84E-03	4.11E-05	4.03E-05	6.07E-03
507	489813.71	3861150.05	0.03439	0.19544	0.0067	0.01277	1.28E-04	5.83E-03	4.27E-05	4.03E-05	6.04E-03	1.17E-04	5.90E-09	5.69E-07	1.10E-06	1.18E-04	1.48E-04	5.83E-03	4.27E-05	4.03E-05	6.06E-03
508	489863.71	3861150.05	0.03446	0.19478	0.0069	0.01275	1.29E-04	5.81E-03	4.42E-05	4.03E-05	6.02E-03	1.17E-04	5.88E-09	5.89E-07	1.10E-06	1.19E-04	1.49E-04	5.81E-03	4.42E-05	4.03E-05	6.04E-03
509	489913.71	3861150.05	0.0345	0.19398	0.0072	0.01273	1.29E-04	5.79E-03	4.58E-05	4.02E-05	6.00E-03	1.17E-04	5.86E-09	6.11E-07	1.10E-06	1.19E-04	1.49E-04	5.79E-03	4.58E-05	4.02E-05	6.02E-03
510	489963.71	3861150.05	0.03452	0.19308	0.0074	0.01269	1.29E-04	5.76E-03	4.73E-05	4.01E-05	5.98E-03	1.17E-04	5.83E-09	6.31E-07	1.09E-06	1.19E-04	1.49E-04	5.76E-03	4.73E-05	4.01E-05	6.00E-03
511	490013.71	3861150.05	0.03454	0.19223	0.0077	0.01265	1.29E-04	5.73E-03	4.88E-05	3.99E-05	5.95E-03	1.17E-04	5.81E-09	6.51E-07	1.09E-06	1.19E-04	1.49E-04	5.73E-03	4.88E-05	3.99E-05	5.97E-03
512	490063.71	3861150.05	0.03459	0.19169	0.0079	0.01262	1.29E-04	5.72E-03	5.03E-05	3.98E-05	5.94E-03	1.17E-04	5.79E-09	6.70E-07	1.09E-06	1.19E-04	1.49E-04	5.72E-03	5.03E-05	3.98E-05	5.96E-03
513	489613.71	3861200.05	0.03344	0.18322	0.0057	0.0121	1.25E-04	5.47E-03	3.61E-05	3.82E-05	5.67E-03	1.14E-04	5.53E-09	4.81E-07	1.04E-06	1.15E-04	1.44E-04	5.47E-03	3.61E-05	3.82E-05	5.68E-03
514	489663.71	3861200.05	0.03351	0.18313	0.0058	0.01206	1.25E-04	5.46E-03	3.73E-05	3.81E-05	5.66E-03	1.14E-04	5.53E-09	4.97E-07	1.04E-06	1.15E-04	1.45E-04	5.46E-03	3.73E-05	3.81E-05	5.68E-03
515	489713.71	3861200.05	0.03359	0.18297	0.006	0.01203	1.25E-04	5.46E-03	3.85E-05	3.80E-05	5.66E-03	1.14E-04	5.53E-09	5.13E-07	1.04E-06	1.16E-04	1.45E-04	5.46E-03	3.85E-05	3.80E-05	5.68E-03
516	489763.71	3861200.05	0.03367	0.1827	0.0062	0.01201	1.26E-04	5.45E-03	3.98E-05	3.79E-05	5.65E-03	1.14E-04	5.52E-09	5.31E-07	1.03E-06	1.16E-04	1.45E-04	5.45E-03	3.98E-05	3.79E-05	5.67E-03
517	489813.71	3861200.05	0.03375	0.18239	0.0065	0.01199	1.26E-04	5.44E-03	4.13E-05	3.79E-05	5.65E-03	1.15E-04	5.51E-09	5.50E-07	1.03E-06	1.16E-04	1.46E-04	5.44E-03	4.13E-05	3.79E-05	5.67E-03
518	489863.71	3861200.05	0.03385	0.1821	0.0067	0.01199	1.26E-04	5.43E-03	4.28E-05	3.79E-05	5.64E-03	1.15E-04	5.50E-09	5.71E-07	1.03E-06	1.17E-04	1.46E-04	5.43E-03	4.28E-05	3.79E-05	5.66E-03
519	489913.71	3861200.05	0.03389	0.18142	0.007	0.01197	1.26E-04	5.41E-03	4.43E-05	3.78E-05	5.62E-03	1.15E-04	5.48E-09	5.91E-07	1.03E-06	1.17E-04	1.46E-04	5.41E-03	4.43E-05	3.78E-05	5.64E-03
520	489963.71	3861200.05	0.03391	0.18061	0.0072	0.01194	1.27E-04	5.39E-03	4.58E-05	3.77E-05	5.60E-03	1.15E-04	5.45E-09	6.11E-07	1.03E-06	1.17E-04	1.46E-04	5.39E-03	4.58E-05	3.77E-05	5.62E-03
521	490013.71	3861200.05	0.03395	0.18001	0.0074	0.01192	1.27E-04	5.37E-03	4.73E-05	3.76E-05	5.58E-03	1.15E-04	5.44E-09	6.31E-07	1.03E-06	1.17E-04	1.46E-04	5.37E-03	4.73E-05	3.76E-05	5.60E-03
522	490063.71	3861200.05	0.03397	0.17931	0.0077	0.01189	1.27E-04	5.35E-03	4.88E-05	3.75E-05	5.56E-03	1.15E-04	5.41E-09	6.51E-07	1.02E-06	1.17E-04	1.47E-04	5.35E-03	4.88E-05	3.75E-05	5.58E-03
523	489513.71	3861250.05	0.03271	0.17087	0.0052	0.01143	1.22E-04	5.10E-03	3.33E-05	3.61E-05	5.29E-03	1.11E-04	5.16E-09	4.44E-07	9.84E-07	1.12E-04	1.41E-04	5.10E-03	3.33E-05	3.61E-05	5.31E-03
524	489563.71	3861250.05	0.03279	0.17123	0.0054	0.01146	1.22E-04	5.11E-03	3.41E-05	3.62E-05	5.30E-03	1.11E-04	5.17E-09	4.55E-07	9.87E-07	1.13E-04	1.41E-04	5.11E-03	3.41E-05	3.62E-05	5.32E-03
525	489613.71	3861250.05	0.03286	0.17138	0.0055	0.01145	1.23E-04	5.11E-03	3.51E-05	3.62E-05	5.31E-03	1.12E-04	5.18E-09	4.68E-07	9.86E-07	1.13E-04	1.42E-04	5.11E-03	3.51E-05	3.62E-05	5.33E-03
526	489663.71	3861250.05	0.03291	0.17127	0.0057	0.01142	1.23E-04	5.11E-03	3.62E-05	3.61E-05	5.30E-03	1.12E-04	5.17E-09	4.82E-07	9.83E-07	1.13E-04	1.42E-04	5.11E-03	3.62E-05	3.61E-05	5.32E-03
527	489713.71	3861250.05	0.03298	0.1712	0.0059	0.01138	1.23E-04	5.11E-03	3.73E-05	3.59E-05	5.30E-03	1.12E-04	5.17E-09	4.98E-07	9.80E-07	1.13E-04	1.42E-04	5.11E-03	3.73E-05	3.59E-05	5.32E-03
528	489763.71	3861250.05	0.03306	0.17105	0.0061	0.01136	1.23E-04	5.10E-03	3.86E-05	3.59E-05	5.30E-03	1.12E-04	5.17E-09	5.15E-07	9.78E-07	1.14E-04	1.43E-04	5.10E-03	3.86E-05	3.59E-05	5.32E-03
529	489813.71	3861250.05	0.03313	0.17082	0.0063	0.01133	1.24E-04	5.10E-03	3.99E-05	3.58E-05	5.30E-03	1.12E-04	5.16E-09	5.32E-07	9.76E-07	1.14E-04	1.43E-04	5.10E-03	3.99E-05	3.58E-05	5.31E-03
530	489863.71	3861250.05	0.0332	0.1705	0.0065	0.01132	1.24E-04	5.09E-03	4.14E-05	3.57E-05	5.29E-03	1.13E-04	5.15E-09	5.52E-07	9.75E-07	1.14E-04	1.43E-04	5.09E-03	4.14E-05	3.57E-05	5.31E-03
531	489913.71	3861250.05	0.03328	0.17018	0.0067	0.01131	1.24E-04	5.08E-03	4.29E-05	3.57E-05	5.28E-03	1.13E-04	5.14E-09	5.72E-07	9.74E-07	1.15E-04	1.44E-04	5.08E-03	4.29E-05	3.57E-05	5.30E-03
532	489963.71	3861250.05	0.03334	0.16969	0.007	0.0113	1.24E-04	5.06E-03	4.44E-05	3.57E-05	5.27E-03	1.13E-04	5.12E-09	5.92E-07	9.73E-07	1.15E-04	1.44E-04	5.06E-03	4.44E-05	3.57E-05	5.29E-03
533	490013.71	3861250.05	0.03337	0.1691	0.0072	0.01127	1.25E-04	5.04E-03	4.59E-05	3.56E-05	5.25E-03	1.13E-04	5.11E-09	6.12E-07	9.70E-07	1.15E-04	1.44E-04	5.04E-03	4.59E-05	3.56E-05	5.27E-03
534	490063.71	3861250.05	0.03337	0.16833	0.0074	0.01124	1.25E-04	5.02E-03	4.73E-05	3.55E-05	5.23E-03	1.13E-04	5.08E-09	6.31E-07	9.68E-07	1.15E-04	1.44E-04	5.02E-03	4.73E-05	3.55E-05	5.25E-03
535	489528.13	3861308.47	0.03205	0.15842	0.0051	0.01073	1.20E-04	4.73E-03	3.26E-05	3.39E-05	4.91E-03	1.09E-04	4.78E-09	4.35E-07	9.24E-07	1.10E-04	1.38E-04	4.73E-03	3.26E-05	3.39E-05	4.93E-03
536	489578.13	3861308.47	0.03211	0.15869	0.0052	0.01076	1.20E-04	4.73E-03	3.34E-05	3.40E-05	4.92E-03	1.09E-04	4.79E-09	4.45E-07	9.27E-07	1.10E-04	1.39E-04	4.73E-03	3.34E-05	3.40E-05	4.94E-03
537	489628.13	3861308.47	0.03217	0.15885	0.0054	0.01076	1.20E-04	4.74E-03	3.43E-05	3.40E-05	4.93E-03	1.09E-04	4.80E-09	4.57E-07	9.27E-07	1.11E-04	1.39E-04	4.74E-03	3.43E-05	3.40E-05	4.95E-03
538	489678.13	3861308.47	0.03224	0.15901	0.0055	0.01075	1.20E-04	4.74E-03	3.53E-05	3.39E-05	4.93E-03	1.09E-04	4.80E-09	4.70E-07	9.26E-07	1.11E-04	1.39E-04	4.74E-03	3.53E-05	3.39E-05	4.95E-03
539	489728.13	3861308.47	0.03231	0.15905	0.0057	0.01073	1.21E-04	4.74E-03	3.64E-05	3.39E-05	4.94E-03	1.10E-04	4.80E-09	4.85E-07	9.24E-07	1.11E-04	1.39E-04	4.75E-03	3.64E-05	3.39E-05	4.95E-03
540	489778.13	3861308.47	0.03237	0.1589	0.0059	0.01069	1.21E-04	4.74E-03	3.76E-05	3.38E-05	4.93E-03	1.10E-04	4.80E-09	5.01E-07	9.21E-07	1.11E-04	1.40E-04	4.74E-03	3.76E-05	3.38E-05	4.95E-03
541	489678.13	3861358.47	0.03167	0.14966	0.0054	0.01025	1.18E-04	4.46E-03	3.43E-05	3.24E-05	4.65E-03	1.08E-04	4.52E-09	4.58E-07	8.83E-07	1.09E-04	1.37E-04	4.46E-03	3.43E-05	3.24E-05	4.67E-03
542	489728.13	3861358.47	0.03172	0.14973	0.0055	0.01023	1.18E-04	4.47E-03	3.53E-05	3.23E-05	4.65E-03	1.08E-04	4.52E-09	4.71E-07	8.81E-07	1.09E-04	1.37E-04	4.47E-03	3.53E-05	3.23E-05	4.67E-03
543	489528.13	3861408.47	0.03093	0.14046	0.0049	0.00974	1.15E-04	4.19E-03	3.11E-05	3.08E-05	4.37E-03	1.05E-04	4.24E-09	4.14E-07	8.39E-07	1.06E-04	1.33E-04	4.19E-03	3.11E-05	3.08E-05	4.39E-03
544	489578.13	3861408.47	0.03099	0.14076	0.005	0.00977	1.16E-04	4.20E-03	3.18E-05	3.08E-05	4.38E-03	1.05E-04	4.25E-09	4.24E-07	8.41E-07	1.06E-04	1.34E-04	4.20E-03	3.18E-05	3.08E-05	4.40E-03
545	489628.13	3861408.47	0.03109	0.14129	0.0051	0.0098	1.16E-04	4.22E-03	3.25E-05	3.09E-05	4.39E-03	1.06E-04	4.27E-09	4.34E-07	8.44E-07	1.07E-04	1.34E-04	4.22E-03	3.25E-05	3.09E-05	4.41E-03

546	489678.13	3861408.47	0.03112	0.14134	0.0052	0.0098	1.16E-04	4.22E-03	3.34E-05	3.09E-05	4.40E-03	1.06E-04	4.27E-09	4.45E-07	8.44E-07	1.07E-04	1.34E-04	4.22E-03	3.34E-05	3.09E-05	4.42E-03
547	489728.13	3861408.47	0.03116	0.14135	0.0054	0.00979	1.16E-04	4.22E-03	3.43E-05	3.09E-05	4.40E-03	1.06E-04	4.27E-09	4.58E-07	8.43E-07	1.07E-04	1.34E-04	4.22E-03	3.43E-05	3.09E-05	4.42E-03
548	489528.13	3861458.47	0.03043	0.13302	0.0048	0.00933	1.14E-04	3.97E-03	3.04E-05	2.95E-05	4.14E-03	1.03E-04	4.02E-09	4.06E-07	8.03E-07	1.05E-04	1.31E-04	3.97E-03	3.04E-05	2.95E-05	4.16E-03
549	489578.13	3861458.47	0.03049	0.13332	0.0049	0.00936	1.14E-04	3.98E-03	3.10E-05	2.96E-05	4.15E-03	1.04E-04	4.03E-09	4.13E-07	8.06E-07	1.05E-04	1.32E-04	3.98E-03	3.10E-05	2.96E-05	4.17E-03
550	489628.13	3861458.47	0.03054	0.13357	0.005	0.00938	1.14E-04	3.98E-03	3.18E-05	2.96E-05	4.16E-03	1.04E-04	4.03E-09	4.24E-07	8.08E-07	1.05E-04	1.32E-04	3.98E-03	3.18E-05	2.96E-05	4.18E-03
551	489678.13	3861458.47	0.03057	0.13371	0.0051	0.00939	1.14E-04	3.99E-03	3.25E-05	2.96E-05	4.17E-03	1.04E-04	4.04E-09	4.34E-07	8.09E-07	1.05E-04	1.32E-04	3.99E-03	3.25E-05	2.96E-05	4.18E-03
552	489728.13	3861458.47	0.03058	0.13363	0.0052	0.00938	1.14E-04	3.99E-03	3.34E-05	2.96E-05	4.16E-03	1.04E-04	4.04E-09	4.45E-07	8.08E-07	1.05E-04	1.32E-04	3.99E-03	3.34E-05	2.96E-05	4.18E-03
553	489528.13	3861508.47	0.02993	0.12621	0.0047	0.00895	1.12E-04	3.77E-03	2.98E-05	2.83E-05	3.93E-03	1.02E-04	3.81E-09	3.97E-07	7.71E-07	1.03E-04	1.29E-04	3.77E-03	2.98E-05	2.83E-05	3.95E-03
554	489578.13	3861508.47	0.02997	0.1264	0.0048	0.00898	1.12E-04	3.77E-03	3.04E-05	2.84E-05	3.94E-03	1.02E-04	3.82E-09	4.05E-07	7.73E-07	1.03E-04	1.29E-04	3.77E-03	3.04E-05	2.84E-05	3.96E-03
555	489628.13	3861508.47	0.03	0.12658	0.0049	0.009	1.12E-04	3.78E-03	3.09E-05	2.84E-05	3.95E-03	1.02E-04	3.82E-09	4.12E-07	7.75E-07	1.03E-04	1.29E-04	3.78E-03	3.09E-05	2.84E-05	3.97E-03
556	489678.13	3861508.47	0.03002	0.12668	0.005	0.00902	1.12E-04	3.78E-03	3.17E-05	2.85E-05	3.95E-03	1.02E-04	3.83E-09	4.23E-07	7.77E-07	1.03E-04	1.30E-04	3.78E-03	3.17E-05	2.85E-05	3.97E-03
557	489728.13	3861508.47	0.03005	0.12674	0.0051	0.00902	1.12E-04	3.78E-03	3.25E-05	2.85E-05	3.95E-03	1.02E-04	3.83E-09	4.33E-07	7.77E-07	1.03E-04	1.30E-04	3.78E-03	3.25E-05	2.85E-05	3.97E-03
558	489628.13	3861558.47	0.02953	0.12047	0.0048	0.00867	1.10E-04	3.59E-03	3.03E-05	2.74E-05	3.76E-03	1.00E-04	3.64E-09	4.04E-07	7.47E-07	1.01E-04	1.27E-04	3.59E-03	3.03E-05	2.74E-05	3.78E-03
559	489678.13	3861558.47	0.02959	0.12077	0.0049	0.0087	1.10E-04	3.60E-03	3.10E-05	2.75E-05	3.77E-03	1.00E-04	3.65E-09	4.13E-07	7.49E-07	1.02E-04	1.28E-04	3.60E-03	3.10E-05	2.75E-05	3.79E-03
560	489728.13	3861558.47	0.02961	0.12087	0.005	0.0087	1.10E-04	3.61E-03	3.17E-05	2.75E-05	3.78E-03	1.01E-04	3.65E-09	4.23E-07	7.49E-07	1.02E-04	1.28E-04	3.61E-03	3.17E-05	2.75E-05	3.79E-03
561	489357.08	3861015.81	0.03568	0.24904	0.0055	0.01591	1.33E-04	7.43E-03	3.50E-05	5.02E-05	7.65E-03	1.21E-04	7.52E-09	4.66E-07	1.37E-06	1.23E-04	1.54E-04	7.43E-03	3.50E-05	5.02E-05	7.67E-03
562	489407.08	3861015.81	0.03567	0.24797	0.0056	0.01585	1.33E-04	7.40E-03	3.58E-05	5.00E-05	7.62E-03	1.21E-04	7.49E-09	4.77E-07	1.36E-06	1.23E-04	1.54E-04	7.40E-03	3.58E-05	5.00E-05	7.64E-03
563	489457.08	3861015.81	0.03571	0.24726	0.0058	0.01579	1.33E-04	7.38E-03	3.67E-05	4.99E-05	7.60E-03	1.21E-04	7.47E-09	4.89E-07	1.36E-06	1.23E-04	1.54E-04	7.38E-03	3.67E-05	4.99E-05	7.62E-03
564	489357.08	3861065.81	0.03505	0.22799	0.0054	0.01466	1.31E-04	6.80E-03	3.42E-05	4.63E-05	7.01E-03	1.19E-04	6.88E-09	4.56E-07	1.26E-06	1.21E-04	1.51E-04	6.80E-03	3.42E-05	4.63E-05	7.03E-03
565	489407.08	3861065.81	0.03504	0.22719	0.0055	0.01464	1.31E-04	6.78E-03	3.49E-05	4.62E-05	6.99E-03	1.19E-04	6.86E-09	4.65E-07	1.26E-06	1.21E-04	1.51E-04	6.78E-03	3.49E-05	4.62E-05	7.01E-03
566	489457.08	3861065.81	0.03507	0.22678	0.0056	0.01461	1.31E-04	6.77E-03	3.57E-05	4.61E-05	6.98E-03	1.19E-04	6.85E-09	4.76E-07	1.26E-06	1.21E-04	1.51E-04	6.77E-03	3.57E-05	4.61E-05	7.00E-03
567	489357.08	3861115.81	0.03441	0.20977	0.0052	0.01358	1.28E-04	6.26E-03	3.34E-05	4.29E-05	6.46E-03	1.17E-04	6.33E-09	4.45E-07	1.17E-06	1.18E-04	1.48E-04	6.26E-03	3.34E-05	4.29E-05	6.48E-03
568	489407.08	3861115.81	0.03446	0.20971	0.0053	0.01362	1.29E-04	6.26E-03	3.41E-05	4.30E-05	6.46E-03	1.17E-04	6.33E-09	4.54E-07	1.17E-06	1.19E-04	1.49E-04	6.26E-03	3.41E-05	4.30E-05	6.48E-03
569	489457.08	3861115.81	0.0345	0.20958	0.0055	0.01362	1.29E-04	6.25E-03	3.48E-05	4.30E-05	6.46E-03	1.17E-04	6.33E-09	4.64E-07	1.17E-06	1.19E-04	1.49E-04	6.25E-03	3.48E-05	4.30E-05	6.48E-03
570	489407.08	3861165.81	0.03389	0.19448	0.0052	0.01272	1.26E-04	5.80E-03	3.33E-05	4.02E-05	6.00E-03	1.15E-04	5.87E-09	4.44E-07	1.10E-06	1.17E-04	1.46E-04	5.80E-03	3.33E-05	4.02E-05	6.02E-03
571	489457.08	3861165.81	0.03389	0.19414	0.0053	0.01274	1.26E-04	5.79E-03	3.40E-05	4.02E-05	5.99E-03	1.15E-04	5.86E-09	4.53E-07	1.10E-06	1.17E-04	1.46E-04	5.79E-03	3.40E-05	4.02E-05	6.01E-03
572	489407.08	3861215.81	0.03314	0.1798	0.0051	0.01188	1.24E-04	5.36E-03	3.25E-05	3.75E-05	5.56E-03	1.13E-04	5.43E-09	4.33E-07	1.02E-06	1.14E-04	1.43E-04	5.36E-03	3.25E-05	3.75E-05	5.58E-03
573	489457.08	3861215.81	0.03317	0.17976	0.0052	0.01191	1.24E-04	5.36E-03	3.31E-05	3.76E-05	5.56E-03	1.13E-04	5.43E-09	4.41E-07	1.03E-06	1.14E-04	1.43E-04	5.36E-03	3.31E-05	3.76E-05	5.58E-03
574	489407.08	3861265.81	0.03241	0.16687	0.005	0.01115	1.21E-04	4.98E-03	3.16E-05	3.52E-05	5.17E-03	1.10E-04	5.04E-09	4.22E-07	9.60E-07	1.11E-04	1.40E-04	4.98E-03	3.16E-05	3.52E-05	5.18E-03
575	489457.08	3861265.81	0.03248	0.16719	0.0051	0.0112	1.21E-04	4.99E-03	3.22E-05	3.54E-05	5.18E-03	1.10E-04	5.05E-09	4.29E-07	9.64E-07	1.12E-04	1.40E-04	4.99E-03	3.22E-05	3.54E-05	5.20E-03
576	489309.86	3861110.14	0.03441	0.21149	0.0052	0.01362	1.28E-04	6.31E-03	3.29E-05	4.30E-05	6.51E-03	1.17E-04	6.39E-09	4.39E-07	1.17E-06	1.18E-04	1.48E-04	6.31E-03	3.29E-05	4.30E-05	6.53E-03
577	489407.08	3861315.81	0.03183	0.15637	0.0049	0.01056	1.19E-04	4.67E-03	3.10E-05	3.33E-05	4.85E-03	1.08E-04	4.72E-09	4.13E-07	9.09E-07	1.09E-04	1.37E-04	4.67E-03	3.10E-05	3.33E-05	4.87E-03
578	489457.08	3861315.81	0.03191	0.15674	0.0049	0.01061	1.19E-04	4.68E-03	3.15E-05	3.35E-05	4.86E-03	1.08E-04	4.73E-09	4.20E-07	9.14E-07	1.10E-04	1.38E-04	4.68E-03	3.15E-05	3.35E-05	4.88E-03
579	488906.03	3861006.75	0.03536	0.25603	0.0054	0.01556	1.32E-04	7.64E-03	3.42E-05	4.91E-05	7.85E-03	1.20E-04	7.73E-09	4.56E-07	1.34E-06	1.22E-04	1.53E-04	7.64E-03	3.42E-05	4.91E-05	7.87E-03
580	488956.03	3861006.75	0.03559	0.25734	0.0053	0.01562	1.33E-04	7.68E-03	3.39E-05	4.93E-05	7.89E-03	1.21E-04	7.77E-09	4.52E-07	1.35E-06	1.23E-04	1.54E-04	7.68E-03	3.39E-05	4.93E-05	7.91E-03
581	488904.24	3861051.87	0.03524	0.23596	0.0054	0.01457	1.31E-04	7.04E-03	3.44E-05	4.60E-05	7.25E-03	1.20E-04	7.13E-09	4.58E-07	1.25E-06	1.21E-04	1.52E-04	7.04E-03	3.44E-05	4.60E-05	7.27E-03
582	488954.24	3861051.87	0.03514	0.23639	0.0053	0.01456	1.31E-04	7.05E-03	3.37E-05	4.60E-05	7.26E-03	1.19E-04	7.14E-09	4.49E-07	1.25E-06	1.21E-04	1.52E-04	7.05E-03	3.37E-05	4.60E-05	7.28E-03
583	489004.24	3861051.87	0.03541	0.23705	0.0053	0.01461	1.32E-04	7.07E-03	3.35E-05	4.61E-05	7.28E-03	1.20E-04	7.16E-09	4.46E-07	1.26E-06	1.22E-04	1.53E-04	7.07E-03	3.35E-05	4.61E-05	7.30E-03
584	488804.24	3861101.87	0.03403	0.21391	0.0055	0.01403	1.27E-04	6.38E-03	3.48E-05	4.43E-05	6.59E-03	1.16E-04	6.46E-09	4.64E-07	1.21E-06	1.17E-04	1.47E-04	6.38E-03	3.48E-05	4.43E-05	6.61E-03
585	488854.24	3861101.87	0.03426	0.21486	0.0054	0.0138	1.28E-04	6.41E-03	3.43E-05	4.36E-05	6.62E-03	1.16E-04	6.49E-09	4.58E-07	1.19E-06	1.18E-04	1.48E-04	6.41E-03	3.43E-05	4.36E-05	6.64E-03
586	488904.24	3861101.87	0.034	0.21332	0.0053	0.01346	1.27E-04	6.36E-03	3.35E-05	4.25E-05	6.57E-03	1.15E-04	6.44E-09	4.46E-07	1.16E-06	1.17E-04	1.47E-04	6.36E-03	3.35E-05	4.25E-05	6.59E-03
587	488954.24	3861101.87	0.03401	0.21291	0.0052	0.01333	1.27E-04	6.35E-03	3.30E-05	4.21E-05	6.55E-03	1.15E-04	6.43E-09	4.40E-07	1.15E-06	1.17E-04	1.47E-04	6.35E-03	3.30E-05	4.21E-05	6.57E-03
588	489004.24	3861101.87	0.03414	0.21344	0.0051	0.01333	1.27E-04	6.37E-03	3.27E-05	4.21E-05	6.57E-03	1.16E-04	6.45E-09	4.35E-07	1.15E-06	1.17E-04	1.47E-04	6.37E-03	3.27E-05	4.21E-05	6.59E-03
589	488804.24	3861151.87	0.03288	0.19325	0.0053	0.01297	1.23E-04	5.77E-03	3.39E-05	4.10E-05	5.96E-03	1.12E-04	5.84E-09	4.52E-07	1.12E-06	1.13E-04	1.42E-04	5.77E-03	3.39E-05	4.10E-05	5.98E-03
590	488854.24	3861151.87	0.03295	0.19322	0.0052	0.0127	1.23E-04	5.76E-03	3.34E-05	4.01E-05	5.96E-03	1.12E-04	5.83E-09	4.46E-07	1.09E-06	1.13E-04	1.42E-04	5.76E-03	3.34E-05	4.01E-05	5.98E-03
591	489129.49	3861187.55	0.03306	0.18488	0.0049	0.01191	1.23E-04	5.52E-03	3.13E-05	3.76E-05	5.71E-03	1.12E-04	5.58E-09	4.18E-07	1.03E-06	1.14E-04	1.43E-04	5.52E-03	3.13E-05	3.76E-05	5.73E-03
592	489179.49	3861187.55	0.03313	0.18517	0.0049	0.01199	1.24E-04	5.52E-03	3.13E-05	3.79E-05	5.72E-03	1.12E-04	5.59E-09	4.17E-07	1.03E-06	1.14E-04	1.43E-04	5.52E-03	3.13E-05	3.79E-05	5.74E-03
593	488804.24	3861201.87	0.03227	0.17895	0.0053	0.01223	1.20E-04	5.34E-03	3.36E-05	3.86E-05	5.53E-03	1.10E-04	5.40E-09	4.48E-07	1.05E-06	1.11E-04	1.39E-04	5.34E-03	3.36E-05	3.86E-05	5.55E-03
594	488854.24	3861201.87	0.03225	0.17817	0.0052	0.01196	1.20E-04	5.32E-03	3.30E-05	3.78E-05	5.51E-03	1.09E-04	5.38E-09	4.41E-07	1.03E-06	1.11E-04	1.39E-04	5.32E-03	3.30E-05	3.78E-05	5.53E-03
595	489129.49	3861237.55	0.03252	0.17248	0.0049	0.01121	1.21E-04	5.15E-03	3.10E-05	3.54E-05	5.33E-03	1.10E-04	5.21E-09	4.13E-07	9.65E-07	1.12E-04	1.40E-04	5.15E-03	3.10E-05	3.54E-05	5.35E-03
596	489179.49	3861237.55	0.03253	0.17227	0.0048	0.01126	1.21E-04	5.14E-03	3.08E-05	3.56E-05	5.33E-03	1.10E-04	5.20E-09	4.11E-07	9.70E-07	1.12E-04	1.40E-04	5.14E-03	3.08E-05	3.56E-05	5.35E-03
597	488804.24	3861251.87	0.0317	0.16684	0.0052	0.01159	1.18E-04	4.98E-03	3.34E-05	3.66E-05	5.17E-03	1.08E-04	5.04E-09	4.45E-07	9.98E-07	1.09E-04	1.37E-04	4.98E-03	3.34E-05	3.66E-05	5.18E-03
598	488854.24	3861251.87	0.03166	0.16598	0.0051	0.01133	1.18E-04	4.95E-03	3.28E-05	3.58E-05	5.14E-03	1.07E-04	5.01E-09	4.37E-07	9.76E-07	1.09E-04	1.37E-04	4.95E-03	3.28E-05	3.58E-05	5.16E-03
599	488804.24	3861301.87	0.03107	0.15561	0.0052	0.01099	1.16E-04	4.64E-03	3.30E-05	3.47E-05	4.83E-03	1.05E-04	4.70E-09	4.41E-07	9.46E-07	1.07E-04	1.34E-04	4.64E-03	3.30E-05	3.47E-05	4.84E-03
600	488854.24	3861301.87	0.03108	0.1553	0.0051	0.01077	1.16E-04	4.63E-03	3.25E-05	3.40E-05	4.82E-03	1.06E-04	4.69E-09	4.33E-07	9.27E-07	1.07E-04	1.34E-04	4.63E-03	3.25E-05	3.40E-05	4.83E-03
601	490943.5	3860181.97	0.04955	0.36773	0.0135	0.0374	1.85E-04	1.10E-02	8.62E-05	1.18E-04	1.14E-02	1.68E-04	1.11E-08	1.15E-06	3.22E-06	1.73E-04	2.14E-04	1.10E-02	8.62E-05	1.18E-04	1.14E-02
602	490993.5	3860181.97	0.04925	0.36006	0.0135	0.03666	1.84E-04	1.07E-02	8.62E-05	1.16E-04	1.11E-02	1.67E-04	1.09E-08	1.15E-06	3.16E-06	1.72E-04	2.13E-04	1.07E-02	8.62E-05	1.16E-04	1.12E-02
603	491043.5	3860181.97	0.04899	0.35269	0.0135	0.03597	1.83E-04	1.05E-02	8.64E-05	1.14E-04	1.09E-02	1.66E-04	1.07E-08	1.15E-06	3.10E-06	1.71E-04	2.11E-04	1.05E-02	8.64E-05	1.14E-04	1.09E-02
604	491093.5	3860181.97	0.04871	0.34537	0.0136	0.03524	1.82E-04	1.03E-02	8.65E-05	1.11E-04	1.07E-02	1.65E-04	1.04E-08	1.15E-06	3.03E-06	1.70E-04	2.10E-04	1.03E-02	8.65E-05	1.11E-04	1.07E-02
605	490943.5	3860231.97	0.04883	0.36069	0.0132	0.03555	1.82E-04	1.08E-02	8.41E-05	1.12E-04	1.11E-02	1.66E-04	1.09E-08	1.12E-06	3.06E-06	1.70E-04	2.11E-04	1.08E-02	8.41E-05	1.12E-04	1.12E-02
606	490993.5	3860231.97	0.04861	0.35352	0.0132	0.03503	1.81E-04	1.05E-02	8.43E-05	1.11E-04	1.09E-02	1.65E-04	1.07E-08	1.12E-06	3.02E-06	1.69E-04	2.10E-04	1.05E-02	8.43E-05	1.11E-04	1.10E-02

607	491043.5	3860231.97	0.04824	0.34602	0.0132	0.03429	1.80E-04	1.03E-02	8.41E-05	1.08E-04	1.07E-02	1.64E-04	1.04E-08	1.12E-06	2.95E-06	1.68E-04	2.08E-04	1.03E-02	8.41E-05	1.08E-04	1.07E-02
608	491093.5	3860231.97	0.04791	0.33876	0.0132	0.0336	1.79E-04	1.01E-02	8.41E-05	1.06E-04	1.05E-02	1.63E-04	1.02E-08	1.12E-06	2.89E-06	1.67E-04	2.07E-04	1.01E-02	8.41E-05	1.06E-04	1.05E-02
609	490943.5	3860281.97	0.04817	0.35282	0.0129	0.03372	1.80E-04	1.05E-02	8.22E-05	1.06E-04	1.09E-02	1.64E-04	1.07E-08	1.10E-06	2.90E-06	1.68E-04	2.08E-04	1.05E-02	8.22E-05	1.06E-04	1.09E-02
610	490993.5	3860281.97	0.0479	0.34577	0.0129	0.03321	1.79E-04	1.03E-02	8.23E-05	1.05E-04	1.07E-02	1.63E-04	1.04E-08	1.10E-06	2.86E-06	1.67E-04	2.07E-04	1.03E-02	8.23E-05	1.05E-04	1.07E-02
611	491043.5	3860281.97	0.04755	0.33859	0.0129	0.0326	1.77E-04	1.01E-02	8.22E-05	1.03E-04	1.05E-02	1.61E-04	1.02E-08	1.10E-06	2.81E-06	1.65E-04	2.05E-04	1.01E-02	8.22E-05	1.03E-04	1.05E-02
612	491093.5	3860281.97	0.04722	0.33161	0.0129	0.032	1.76E-04	9.89E-03	8.20E-05	1.01E-04	1.03E-02	1.60E-04	1.00E-08	1.09E-06	2.76E-06	1.64E-04	2.04E-04	9.89E-03	8.20E-05	1.01E-04	1.03E-02
613	490943.5	3860331.97	0.04754	0.3441	0.0126	0.03191	1.77E-04	1.03E-02	8.06E-05	1.01E-04	1.06E-02	1.61E-04	1.04E-08	1.07E-06	2.75E-06	1.65E-04	2.05E-04	1.03E-02	8.06E-05	1.01E-04	1.07E-02
614	490993.5	3860331.97	0.04716	0.33689	0.0126	0.03135	1.76E-04	1.01E-02	8.04E-05	9.90E-05	1.04E-02	1.60E-04	1.02E-08	1.07E-06	2.70E-06	1.64E-04	2.04E-04	1.01E-02	8.04E-05	9.90E-05	1.04E-02
615	491043.5	3860331.97	0.04681	0.32999	0.0126	0.03081	1.75E-04	9.84E-03	8.02E-05	9.73E-05	1.02E-02	1.59E-04	9.97E-09	1.07E-06	2.65E-06	1.63E-04	2.02E-04	9.84E-03	8.02E-05	9.73E-05	1.02E-02
616	491093.5	3860331.97	0.04649	0.32336	0.0126	0.03031	1.73E-04	9.65E-03	8.01E-05	9.57E-05	1.00E-02	1.58E-04	9.76E-09	1.07E-06	2.61E-06	1.62E-04	2.01E-04	9.65E-03	8.01E-05	9.57E-05	1.00E-02
617	490086.72	3859935.12	0.06044	0.56437	0.0144	0.07225	2.26E-04	1.68E-02	9.15E-05	2.28E-04	1.74E-02	2.05E-04	1.70E-08	1.22E-06	6.22E-06	2.13E-04	2.61E-04	1.68E-02	9.15E-05	2.28E-04	1.74E-02
618	490136.72	3859935.12	0.06011	0.55185	0.0146	0.06983	2.24E-04	1.65E-02	9.29E-05	2.20E-04	1.70E-02	2.04E-04	1.67E-08	1.24E-06	6.01E-06	2.11E-04	2.59E-04	1.65E-02	9.29E-05	2.20E-04	1.70E-02
619	490186.72	3859935.12	0.05973	0.53963	0.0148	0.06757	2.23E-04	1.61E-02	9.41E-05	2.13E-04	1.66E-02	2.03E-04	1.63E-08	1.25E-06	5.82E-06	2.10E-04	2.58E-04	1.61E-02	9.41E-05	2.13E-04	1.67E-02
620	490236.72	3859935.12	0.05932	0.52771	0.0149	0.06545	2.21E-04	1.57E-02	9.52E-05	2.07E-04	1.63E-02	2.01E-04	1.59E-08	1.27E-06	5.64E-06	2.08E-04	2.56E-04	1.57E-02	9.52E-05	2.07E-04	1.63E-02
621	490286.72	3859935.12	0.05884	0.51621	0.0151	0.06351	2.20E-04	1.54E-02	9.60E-05	2.01E-04	1.59E-02	2.00E-04	1.56E-08	1.28E-06	5.47E-06	2.07E-04	2.54E-04	1.54E-02	9.60E-05	2.01E-04	1.60E-02
622	490336.72	3859935.12	0.05834	0.505	0.0152	0.06169	2.18E-04	1.51E-02	9.66E-05	1.95E-04	1.56E-02	1.98E-04	1.53E-08	1.29E-06	5.31E-06	2.05E-04	2.52E-04	1.51E-02	9.66E-05	1.95E-04	1.56E-02
623	490386.72	3859935.12	0.05787	0.49402	0.0152	0.05994	2.16E-04	1.47E-02	9.71E-05	1.89E-04	1.52E-02	1.96E-04	1.49E-08	1.30E-06	5.16E-06	2.03E-04	2.50E-04	1.47E-02	9.71E-05	1.89E-04	1.53E-02
624	490436.72	3859935.12	0.05739	0.48338	0.0153	0.05832	2.14E-04	1.44E-02	9.75E-05	1.84E-04	1.49E-02	1.95E-04	1.46E-08	1.30E-06	5.02E-06	2.01E-04	2.48E-04	1.44E-02	9.75E-05	1.84E-04	1.50E-02
625	490486.72	3859935.12	0.05695	0.473	0.0153	0.05676	2.13E-04	1.41E-02	9.78E-05	1.79E-04	1.46E-02	1.93E-04	1.43E-08	1.30E-06	4.89E-06	2.00E-04	2.46E-04	1.41E-02	9.78E-05	1.79E-04	1.46E-02
626	490536.72	3859935.12	0.05668	0.46265	0.0155	0.05515	2.11E-04	1.38E-02	9.85E-05	1.74E-04	1.43E-02	1.92E-04	1.40E-08	1.31E-06	4.75E-06	1.99E-04	2.45E-04	1.38E-02	9.85E-05	1.74E-04	1.43E-02
627	490586.72	3859935.12	0.05648	0.45246	0.0156	0.05359	2.11E-04	1.35E-02	9.94E-05	1.69E-04	1.40E-02	1.92E-04	1.37E-08	1.33E-06	4.61E-06	1.98E-04	2.44E-04	1.35E-02	9.94E-05	1.69E-04	1.40E-02
628	490636.72	3859935.12	0.05618	0.44288	0.0157	0.05224	2.10E-04	1.32E-02	9.99E-05	1.65E-04	1.37E-02	1.91E-04	1.34E-08	1.33E-06	4.50E-06	1.97E-04	2.42E-04	1.32E-02	9.99E-05	1.65E-04	1.37E-02
629	490686.72	3859935.12	0.05612	0.43216	0.0159	0.0508	2.09E-04	1.29E-02	1.01E-04	1.60E-04	1.34E-02	1.91E-04	1.31E-08	1.35E-06	4.37E-06	1.96E-04	2.42E-04	1.29E-02	1.01E-04	1.60E-04	1.34E-02
630	490736.72	3859935.12	0.05596	0.42256	0.016	0.04954	2.09E-04	1.26E-02	1.02E-04	1.56E-04	1.31E-02	1.90E-04	1.28E-08	1.36E-06	4.27E-06	1.96E-04	2.41E-04	1.26E-02	1.02E-04	1.56E-04	1.31E-02
631	490086.72	3859985.12	0.05932	0.56486	0.0138	0.06943	2.21E-04	1.69E-02	8.83E-05	2.19E-04	1.74E-02	2.01E-04	1.71E-08	1.18E-06	5.98E-06	2.09E-04	2.56E-04	1.69E-02	8.83E-05	2.19E-04	1.74E-02
632	490136.72	3859985.12	0.05905	0.55189	0.014	0.06718	2.20E-04	1.65E-02	8.95E-05	2.12E-04	1.70E-02	2.00E-04	1.67E-08	1.19E-06	5.78E-06	2.07E-04	2.55E-04	1.65E-02	8.95E-05	2.12E-04	1.70E-02
633	490186.72	3859985.12	0.05878	0.53908	0.0142	0.06502	2.19E-04	1.61E-02	9.08E-05	2.05E-04	1.66E-02	2.00E-04	1.63E-08	1.21E-06	5.60E-06	2.06E-04	2.54E-04	1.61E-02	9.08E-05	2.05E-04	1.66E-02
634	490236.72	3859985.12	0.05848	0.52657	0.0145	0.06297	2.18E-04	1.57E-02	9.22E-05	1.99E-04	1.62E-02	1.99E-04	1.59E-08	1.23E-06	5.42E-06	2.05E-04	2.52E-04	1.57E-02	9.22E-05	1.99E-04	1.63E-02
635	490286.72	3859985.12	0.05805	0.51471	0.0146	0.06112	2.17E-04	1.54E-02	9.31E-05	1.93E-04	1.59E-02	1.97E-04	1.55E-08	1.24E-06	5.26E-06	2.04E-04	2.50E-04	1.54E-02	9.31E-05	1.93E-04	1.59E-02
636	490336.72	3859985.12	0.05759	0.50321	0.0147	0.0594	2.15E-04	1.50E-02	9.38E-05	1.88E-04	1.55E-02	1.96E-04	1.52E-08	1.25E-06	5.11E-06	2.02E-04	2.49E-04	1.50E-02	9.38E-05	1.88E-04	1.55E-02
637	490386.72	3859985.12	0.05705	0.49215	0.0148	0.05784	2.13E-04	1.47E-02	9.42E-05	1.83E-04	1.52E-02	1.94E-04	1.49E-08	1.26E-06	4.98E-06	2.00E-04	2.46E-04	1.47E-02	9.42E-05	1.83E-04	1.52E-02
638	490436.72	3859985.12	0.05656	0.48129	0.0148	0.05631	2.11E-04	1.44E-02	9.46E-05	1.78E-04	1.48E-02	1.92E-04	1.45E-08	1.26E-06	4.85E-06	1.98E-04	2.44E-04	1.44E-02	9.46E-05	1.78E-04	1.49E-02
639	490486.72	3859985.12	0.05611	0.47069	0.0149	0.05483	2.09E-04	1.40E-02	9.49E-05	1.73E-04	1.45E-02	1.90E-04	1.42E-08	1.27E-06	4.72E-06	1.96E-04	2.42E-04	1.40E-02	9.49E-05	1.73E-04	1.46E-02
640	490536.72	3859985.12	0.05575	0.46033	0.015	0.05338	2.08E-04	1.37E-02	9.54E-05	1.69E-04	1.42E-02	1.89E-04	1.39E-08	1.27E-06	4.60E-06	1.95E-04	2.41E-04	1.37E-02	9.54E-05	1.69E-04	1.42E-02
641	490586.72	3859985.12	0.05545	0.45021	0.015	0.05196	2.07E-04	1.34E-02	9.59E-05	1.64E-04	1.39E-02	1.88E-04	1.36E-08	1.28E-06	4.47E-06	1.94E-04	2.39E-04	1.34E-02	9.59E-05	1.64E-04	1.39E-02
642	490636.72	3859985.12	0.05523	0.44028	0.0151	0.05056	2.06E-04	1.31E-02	9.66E-05	1.60E-04	1.36E-02	1.88E-04	1.33E-08	1.29E-06	4.35E-06	1.93E-04	2.38E-04	1.31E-02	9.66E-05	1.60E-04	1.36E-02
643	490686.72	3859985.12	0.05514	0.42973	0.0153	0.04916	2.06E-04	1.28E-02	9.77E-05	1.55E-04	1.33E-02	1.87E-04	1.30E-08	1.30E-06	4.23E-06	1.93E-04	2.38E-04	1.28E-02	9.77E-05	1.55E-04	1.33E-02
644	490736.72	3859985.12	0.05485	0.42074	0.0154	0.04802	2.05E-04	1.26E-02	9.81E-05	1.52E-04	1.30E-02	1.86E-04	1.27E-08	1.31E-06	4.14E-06	1.92E-04	2.37E-04	1.26E-02	9.81E-05	1.52E-04	1.30E-02
645	490786.72	3859985.12	0.05458	0.41208	0.0154	0.04695	2.04E-04	1.23E-02	9.85E-05	1.48E-04	1.27E-02	1.85E-04	1.24E-08	1.31E-06	4.04E-06	1.91E-04	2.36E-04	1.23E-02	9.85E-05	1.48E-04	1.28E-02
646	490086.72	3860035.12	0.05815	0.56537	0.0134	0.06634	2.17E-04	1.69E-02	8.53E-05	2.09E-04	1.74E-02	1.97E-04	1.71E-08	1.14E-06	5.71E-06	2.04E-04	2.51E-04	1.69E-02	8.53E-05	2.09E-04	1.74E-02
647	490136.72	3860035.12	0.05797	0.55167	0.0136	0.06425	2.16E-04	1.65E-02	8.64E-05	2.03E-04	1.70E-02	1.97E-04	1.67E-08	1.15E-06	5.53E-06	2.04E-04	2.50E-04	1.65E-02	8.64E-05	2.03E-04	1.70E-02
648	490186.72	3860035.12	0.05775	0.53836	0.0137	0.06227	2.15E-04	1.61E-02	8.76E-05	1.97E-04	1.66E-02	1.96E-04	1.63E-08	1.17E-06	5.36E-06	2.03E-04	2.49E-04	1.61E-02	8.76E-05	1.97E-04	1.66E-02
649	490236.72	3860035.12	0.05747	0.52548	0.0139	0.06041	2.14E-04	1.57E-02	8.88E-05	1.91E-04	1.62E-02	1.95E-04	1.59E-08	1.18E-06	5.20E-06	2.02E-04	2.48E-04	1.57E-02	8.88E-05	1.91E-04	1.62E-02
650	490286.72	3860035.12	0.0571	0.51313	0.0141	0.05869	2.13E-04	1.53E-02	8.98E-05	1.85E-04	1.58E-02	1.94E-04	1.55E-08	1.20E-06	5.05E-06	2.00E-04	2.46E-04	1.53E-02	8.98E-05	1.85E-04	1.58E-02
651	490336.72	3860035.12	0.05676	0.50104	0.0142	0.05701	2.12E-04	1.49E-02	9.08E-05	1.80E-04	1.54E-02	1.93E-04	1.51E-08	1.21E-06	4.91E-06	1.99E-04	2.45E-04	1.49E-02	9.08E-05	1.80E-04	1.55E-02
652	490386.72	3860035.12	0.05626	0.48965	0.0143	0.05554	2.10E-04	1.46E-02	9.14E-05	1.75E-04	1.51E-02	1.91E-04	1.48E-08	1.22E-06	4.78E-06	1.97E-04	2.43E-04	1.46E-02	9.14E-05	1.75E-04	1.51E-02
653	490436.72	3860035.12	0.05578	0.47852	0.0144	0.05412	2.08E-04	1.43E-02	9.19E-05	1.71E-04	1.47E-02	1.89E-04	1.45E-08	1.22E-06	4.66E-06	1.95E-04	2.41E-04	1.43E-02	9.19E-05	1.71E-04	1.48E-02
654	490486.72	3860035.12	0.05532	0.46771	0.0145	0.05275	2.06E-04	1.40E-02	9.22E-05	1.67E-04	1.44E-02	1.88E-04	1.41E-08	1.23E-06	4.54E-06	1.94E-04	2.39E-04	1.40E-02	9.22E-05	1.67E-04	1.45E-02
655	490536.72	3860035.12	0.05493	0.45719	0.0145	0.05141	2.05E-04	1.36E-02	9.26E-05	1.62E-04	1.41E-02	1.86E-04	1.38E-08	1.23E-06	4.43E-06	1.92E-04	2.37E-04	1.36E-02	9.26E-05	1.62E-04	1.41E-02
656	490586.72	3860035.12	0.05455	0.44704	0.0146	0.05013	2.04E-04	1.33E-02	9.29E-05	1.58E-04	1.38E-02	1.85E-04	1.35E-08	1.24E-06	4.32E-06	1.91E-04	2.35E-04	1.33E-02	9.29E-05	1.58E-04	1.38E-02
657	490636.72	3860035.12	0.05412	0.43731	0.0146	0.04897	2.02E-04	1.30E-02	9.31E-05	1.55E-04	1.35E-02	1.84E-04	1.32E-08	1.24E-06	4.22E-06	1.89E-04	2.34E-04	1.30E-02	9.31E-05	1.55E-04	1.35E-02
658	490686.72	3860035.12	0.05387	0.42772	0.0147	0.04775	2.01E-04	1.28E-02	9.36E-05	1.51E-04	1.32E-02	1.83E-04	1.29E-08	1.25E-06	4.11E-06	1.88E-04	2.32E-04	1.28E-02	9.36E-05	1.51E-04	1.32E-02
659	490736.72	3860035.12	0.0538	0.41809	0.0148	0.04644	2.01E-04	1.25E-02	9.46E-05	1.47E-04	1.29E-02	1.83E-04	1.26E-08	1.26E-06	4.00E-06	1.88E-04	2.32E-04	1.25E-02	9.46E-05	1.47E-04	1.29E-02
660	490786.72	3860035.12	0.05351	0.40928	0.0149	0.04542	2.00E-04	1.22E-02	9.48E-05	1.43E-04	1.26E-02	1.82E-04	1.24E-08	1.26E-06	3.91E-06	1.87E-04	2.31E-04	1.22E-02	9.48E-05	1.43E-04	1.27E-02
661	490836.72	3860035.12	0.05322	0.40084	0.0149	0.04446	1.99E-04	1.20E-02	9.51E-05	1.40E-04	1.24E-02	1.81E-04	1.21E-08	1.27E-06	3.83E-06	1.86E-04	2.30E-04	1.20E-02	9.51E-05	1.40E-04	1.24E-02
662	490086.72	3860085.12	0.05713	0.56336	0.013	0.0629	2.13E-04	1.68E-02	8.30E-05	1.99E-04	1.73E-02	1.94E-04	1.70E-08	1.11E-06	5.42E-06	2.00E-04	2.47E-04	1.68E-02	8.30E-05	1.99E-04	1.73E-02
663	490136.72	3860085.12	0.05683	0.55102	0.0131	0.06114	2.12E-04	1.64E-02	8.35E-05	1.93E-04	1.69E-02	1.93E-04	1.66E-08	1.11E-06	5.26E-06	1.99E-04	2.45E-04	1.64E-02	8.35E-05	1.93E-04	1.70E-02
664	490186.72	3860085.12	0.05675	0.53678	0.0133	0.05927	2.12E-04	1.60E-02	8.48E-05	1.87E-04	1.65E-02	1.93E-04	1.62E-08	1.13E-06	5.10E-06	1.99E-04	2.45E-04	1.60E-02	8.48E-05	1.87E-04	1.65E-02
665	490236.72	3860085.12	0.05652	0.52343	0.0135	0.05758	2.11E-04	1.56E-02	8.59E-05	1.82E-04	1.61E-02	1.92E-04	1.58E-08	1.14E-06	4.96E-06	1.98E-04	2.44E-04	1.56E-02	8.59E-05	1.82E-04	1.61E-02
666	490286.72	3860085.12	0.05623	0.51058	0.0136	0.05599	2.10E-04	1.52E-02	8.69E-05	1.77E-04	1.57E-02	1.91E-04	1.54E-08	1.16E-06	4.82E-06	1.97E-04	2.43E-04	1.52E-02	8.69E-05	1.77E-04	1.57E-02
667	490336.72	3860085.12	0.05585	0.49829	0.0138	0.05451	2.08E-04	1.49E-02	8.78E-05	1.72E-04	1.53E-02	1.90E-04	1.50E-08	1.17E-06	4.69E-06	1.95E-04	2.41E-04	1.49E-02	8.78E-05	1.72E-04	1.54E-02

668	490386.72	3860085.12	0.05544	0.48641	0.0139	0.05311	2.07E-04	1.45E-02	8.85E-05	1.68E-04	1.50E-02	1.88E-04	1.47E-08	1.18E-06	4.57E-06	1.94E-04	2.39E-04	1.45E-02	8.85E-05	1.68E-04	1.50E-02
669	490436.72	3860085.12	0.05501	0.47496	0.014	0.05179	2.05E-04	1.42E-02	8.92E-05	1.64E-04	1.46E-02	1.87E-04	1.43E-08	1.19E-06	4.46E-06	1.92E-04	2.37E-04	1.42E-02	8.92E-05	1.64E-04	1.47E-02
670	490486.72	3860085.12	0.05453	0.46393	0.014	0.0505	2.03E-04	1.38E-02	8.96E-05	1.59E-04	1.43E-02	1.85E-04	1.40E-08	1.19E-06	4.35E-06	1.91E-04	2.35E-04	1.38E-02	8.96E-05	1.59E-04	1.43E-02
671	490536.72	3860085.12	0.05413	0.45324	0.0141	0.04925	2.02E-04	1.35E-02	9.00E-05	1.56E-04	1.40E-02	1.84E-04	1.37E-08	1.20E-06	4.24E-06	1.89E-04	2.34E-04	1.35E-02	9.00E-05	1.56E-04	1.40E-02
672	490586.72	3860085.12	0.05374	0.44294	0.0142	0.04808	2.01E-04	1.32E-02	9.04E-05	1.52E-04	1.37E-02	1.82E-04	1.34E-08	1.21E-06	4.14E-06	1.88E-04	2.32E-04	1.32E-02	9.04E-05	1.52E-04	1.37E-02
673	490636.72	3860085.12	0.05331	0.43305	0.0142	0.04695	1.99E-04	1.29E-02	9.05E-05	1.48E-04	1.34E-02	1.81E-04	1.31E-08	1.21E-06	4.04E-06	1.86E-04	2.30E-04	1.29E-02	9.05E-05	1.48E-04	1.34E-02
674	490686.72	3860085.12	0.05298	0.42346	0.0142	0.0459	1.98E-04	1.26E-02	9.08E-05	1.45E-04	1.31E-02	1.80E-04	1.28E-08	1.21E-06	3.95E-06	1.85E-04	2.29E-04	1.26E-02	9.08E-05	1.45E-04	1.31E-02
675	490736.72	3860085.12	0.05272	0.41416	0.0143	0.04484	1.97E-04	1.24E-02	9.12E-05	1.42E-04	1.28E-02	1.79E-04	1.25E-08	1.22E-06	3.86E-06	1.84E-04	2.27E-04	1.24E-02	9.12E-05	1.42E-04	1.28E-02
676	490786.72	3860085.12	0.05249	0.40516	0.0144	0.0438	1.96E-04	1.21E-02	9.16E-05	1.38E-04	1.25E-02	1.78E-04	1.22E-08	1.22E-06	3.77E-06	1.83E-04	2.27E-04	1.21E-02	9.16E-05	1.38E-04	1.25E-02
677	490836.72	3860085.12	0.05217	0.39664	0.0144	0.04291	1.95E-04	1.18E-02	9.17E-05	1.35E-04	1.23E-02	1.77E-04	1.20E-08	1.22E-06	3.69E-06	1.82E-04	2.25E-04	1.18E-02	9.17E-05	1.35E-04	1.23E-02
678	490086.72	3860135.12	0.05554	0.56537	0.0125	0.05983	2.07E-04	1.69E-02	7.99E-05	1.89E-04	1.73E-02	1.89E-04	1.71E-08	1.06E-06	5.15E-06	1.95E-04	2.40E-04	1.69E-02	7.99E-05	1.89E-04	1.74E-02
679	490136.72	3860135.12	0.0556	0.54964	0.0127	0.05798	2.07E-04	1.64E-02	8.08E-05	1.83E-04	1.69E-02	1.89E-04	1.66E-08	1.08E-06	4.99E-06	1.95E-04	2.40E-04	1.64E-02	8.08E-05	1.83E-04	1.69E-02
680	490186.72	3860135.12	0.05559	0.53466	0.0128	0.05625	2.07E-04	1.60E-02	8.19E-05	1.78E-04	1.64E-02	1.89E-04	1.61E-08	1.09E-06	4.84E-06	1.95E-04	2.40E-04	1.60E-02	8.19E-05	1.78E-04	1.65E-02
681	490236.72	3860135.12	0.05543	0.52066	0.013	0.0547	2.07E-04	1.55E-02	8.29E-05	1.73E-04	1.60E-02	1.88E-04	1.57E-08	1.10E-06	4.71E-06	1.94E-04	2.39E-04	1.55E-02	8.29E-05	1.73E-04	1.60E-02
682	490286.72	3860135.12	0.05524	0.50719	0.0132	0.05322	2.06E-04	1.51E-02	8.39E-05	1.68E-04	1.56E-02	1.88E-04	1.53E-08	1.12E-06	4.58E-06	1.93E-04	2.38E-04	1.51E-02	8.39E-05	1.68E-04	1.56E-02
683	490336.72	3860135.12	0.05497	0.49435	0.0133	0.05183	2.05E-04	1.47E-02	8.50E-05	1.64E-04	1.52E-02	1.87E-04	1.49E-08	1.13E-06	4.46E-06	1.92E-04	2.37E-04	1.47E-02	8.50E-05	1.64E-04	1.52E-02
684	490386.72	3860135.12	0.05461	0.48211	0.0135	0.05054	2.04E-04	1.44E-02	8.58E-05	1.60E-04	1.48E-02	1.85E-04	1.46E-08	1.14E-06	4.35E-06	1.91E-04	2.36E-04	1.44E-02	8.58E-05	1.60E-04	1.49E-02
685	490436.72	3860135.12	0.0542	0.47039	0.0136	0.04932	2.02E-04	1.40E-02	8.64E-05	1.56E-04	1.45E-02	1.84E-04	1.42E-08	1.15E-06	4.25E-06	1.89E-04	2.34E-04	1.40E-02	8.64E-05	1.56E-04	1.45E-02
686	490486.72	3860135.12	0.05378	0.45909	0.0136	0.04809	2.01E-04	1.37E-02	8.70E-05	1.52E-04	1.41E-02	1.83E-04	1.39E-08	1.16E-06	4.14E-06	1.88E-04	2.32E-04	1.37E-02	8.70E-05	1.52E-04	1.42E-02
687	490536.72	3860135.12	0.0534	0.44822	0.0137	0.04693	1.99E-04	1.34E-02	8.76E-05	1.48E-04	1.38E-02	1.81E-04	1.35E-08	1.17E-06	4.04E-06	1.87E-04	2.30E-04	1.34E-02	8.76E-05	1.48E-04	1.38E-02
688	490586.72	3860135.12	0.05299	0.4378	0.0138	0.04583	1.98E-04	1.31E-02	8.80E-05	1.45E-04	1.35E-02	1.80E-04	1.32E-08	1.17E-06	3.95E-06	1.85E-04	2.29E-04	1.31E-02	8.80E-05	1.45E-04	1.35E-02
689	490636.72	3860135.12	0.05257	0.42776	0.0138	0.04478	1.96E-04	1.28E-02	8.82E-05	1.41E-04	1.32E-02	1.78E-04	1.29E-08	1.18E-06	3.86E-06	1.84E-04	2.27E-04	1.28E-02	8.82E-05	1.41E-04	1.32E-02
690	490686.72	3860135.12	0.05215	0.41809	0.0138	0.04378	1.95E-04	1.25E-02	8.83E-05	1.38E-04	1.29E-02	1.77E-04	1.26E-08	1.18E-06	3.77E-06	1.82E-04	2.25E-04	1.25E-02	8.83E-05	1.38E-04	1.29E-02
691	490736.72	3860135.12	0.0518	0.40888	0.0139	0.04286	1.93E-04	1.22E-02	8.84E-05	1.35E-04	1.26E-02	1.76E-04	1.23E-08	1.18E-06	3.69E-06	1.81E-04	2.24E-04	1.22E-02	8.84E-05	1.35E-04	1.26E-02
692	490786.72	3860135.12	0.05154	0.40001	0.0139	0.042	1.92E-04	1.19E-02	8.87E-05	1.33E-04	1.23E-02	1.75E-04	1.21E-08	1.18E-06	3.62E-06	1.80E-04	2.22E-04	1.19E-02	8.87E-05	1.33E-04	1.24E-02
693	490836.72	3860135.12	0.05119	0.39145	0.0139	0.04115	1.91E-04	1.17E-02	8.88E-05	1.30E-04	1.21E-02	1.74E-04	1.18E-08	1.18E-06	3.54E-06	1.79E-04	2.21E-04	1.17E-02	8.88E-05	1.30E-04	1.21E-02
694	490086.72	3860185.12	0.05415	0.56356	0.0122	0.05654	2.02E-04	1.68E-02	7.75E-05	1.79E-04	1.73E-02	1.84E-04	1.70E-08	1.03E-06	4.87E-06	1.90E-04	2.34E-04	1.68E-02	7.75E-05	1.79E-04	1.73E-02
695	490136.72	3860185.12	0.05433	0.54672	0.0123	0.05477	2.03E-04	1.63E-02	7.84E-05	1.73E-04	1.68E-02	1.84E-04	1.65E-08	1.05E-06	4.72E-06	1.90E-04	2.34E-04	1.63E-02	7.84E-05	1.73E-04	1.68E-02
696	490186.72	3860185.12	0.0544	0.53098	0.0124	0.05317	2.03E-04	1.58E-02	7.93E-05	1.68E-04	1.63E-02	1.85E-04	1.60E-08	1.06E-06	4.58E-06	1.90E-04	2.35E-04	1.58E-02	7.93E-05	1.68E-04	1.63E-02
697	490236.72	3860185.12	0.05433	0.5163	0.0126	0.05172	2.03E-04	1.54E-02	8.02E-05	1.63E-04	1.58E-02	1.84E-04	1.56E-08	1.07E-06	4.45E-06	1.90E-04	2.34E-04	1.54E-02	8.02E-05	1.63E-04	1.59E-02
698	490286.72	3860185.12	0.05419	0.50236	0.0127	0.05036	2.02E-04	1.50E-02	8.11E-05	1.59E-04	1.54E-02	1.84E-04	1.52E-08	1.08E-06	4.34E-06	1.89E-04	2.34E-04	1.50E-02	8.11E-05	1.59E-04	1.55E-02
699	490336.72	3860185.12	0.05399	0.48912	0.0129	0.04909	2.01E-04	1.46E-02	8.21E-05	1.55E-04	1.50E-02	1.83E-04	1.48E-08	1.09E-06	4.23E-06	1.89E-04	2.33E-04	1.46E-02	8.21E-05	1.55E-04	1.51E-02
700	490386.72	3860185.12	0.05372	0.47651	0.013	0.04789	2.00E-04	1.42E-02	8.30E-05	1.51E-04	1.47E-02	1.82E-04	1.44E-08	1.11E-06	4.12E-06	1.88E-04	2.32E-04	1.42E-02	8.30E-05	1.51E-04	1.47E-02
701	490436.72	3860185.12	0.05339	0.46449	0.0131	0.04672	1.99E-04	1.39E-02	8.38E-05	1.48E-04	1.43E-02	1.81E-04	1.40E-08	1.12E-06	4.02E-06	1.86E-04	2.30E-04	1.39E-02	8.38E-05	1.48E-04	1.43E-02
702	490486.72	3860185.12	0.05302	0.45299	0.0132	0.04559	1.98E-04	1.35E-02	8.45E-05	1.44E-04	1.39E-02	1.80E-04	1.37E-08	1.13E-06	3.93E-06	1.85E-04	2.29E-04	1.35E-02	8.45E-05	1.44E-04	1.40E-02
703	490536.72	3860185.12	0.05265	0.44194	0.0133	0.04452	1.96E-04	1.32E-02	8.51E-05	1.41E-04	1.36E-02	1.79E-04	1.33E-08	1.13E-06	3.83E-06	1.84E-04	2.27E-04	1.32E-02	8.51E-05	1.41E-04	1.36E-02
704	490586.72	3860185.12	0.0523	0.43146	0.0134	0.04352	1.95E-04	1.29E-02	8.57E-05	1.37E-04	1.33E-02	1.78E-04	1.30E-08	1.14E-06	3.75E-06	1.82E-04	2.26E-04	1.29E-02	8.57E-05	1.37E-04	1.33E-02
705	490636.72	3860185.12	0.05185	0.42127	0.0135	0.04252	1.93E-04	1.26E-02	8.59E-05	1.34E-04	1.30E-02	1.76E-04	1.27E-08	1.15E-06	3.66E-06	1.81E-04	2.24E-04	1.26E-02	8.59E-05	1.34E-04	1.30E-02
706	490686.72	3860185.12	0.05147	0.41164	0.0135	0.04161	1.92E-04	1.23E-02	8.62E-05	1.31E-04	1.27E-02	1.75E-04	1.24E-08	1.15E-06	3.58E-06	1.79E-04	2.22E-04	1.23E-02	8.62E-05	1.31E-04	1.27E-02
707	490736.72	3860185.12	0.05103	0.40224	0.0135	0.04066	1.90E-04	1.20E-02	8.61E-05	1.28E-04	1.24E-02	1.73E-04	1.21E-08	1.15E-06	3.50E-06	1.78E-04	2.20E-04	1.20E-02	8.61E-05	1.28E-04	1.24E-02
708	490786.72	3860185.12	0.05068	0.39343	0.0135	0.03987	1.89E-04	1.17E-02	8.62E-05	1.26E-04	1.21E-02	1.72E-04	1.19E-08	1.15E-06	3.43E-06	1.77E-04	2.19E-04	1.17E-02	8.62E-05	1.26E-04	1.22E-02
709	490836.72	3860185.12	0.05034	0.38495	0.0135	0.0391	1.88E-04	1.15E-02	8.63E-05	1.23E-04	1.19E-02	1.71E-04	1.16E-08	1.15E-06	3.37E-06	1.75E-04	2.17E-04	1.15E-02	8.63E-05	1.23E-04	1.19E-02
710	490086.72	3860235.12	0.05281	0.55913	0.0119	0.05315	1.97E-04	1.67E-02	7.56E-05	1.68E-04	1.71E-02	1.79E-04	1.69E-08	1.01E-06	4.58E-06	1.85E-04	2.28E-04	1.67E-02	7.56E-05	1.68E-04	1.72E-02
711	490136.72	3860235.12	0.05301	0.54163	0.012	0.05156	1.98E-04	1.62E-02	7.62E-05	1.63E-04	1.66E-02	1.80E-04	1.64E-08	1.02E-06	4.44E-06	1.85E-04	2.29E-04	1.62E-02	7.62E-05	1.63E-04	1.66E-02
712	490186.72	3860235.12	0.05315	0.52525	0.0121	0.05008	1.98E-04	1.57E-02	7.70E-05	1.58E-04	1.61E-02	1.80E-04	1.59E-08	1.03E-06	4.31E-06	1.86E-04	2.29E-04	1.57E-02	7.70E-05	1.58E-04	1.61E-02
713	490236.72	3860235.12	0.05318	0.50998	0.0122	0.04873	1.98E-04	1.52E-02	7.78E-05	1.54E-04	1.56E-02	1.81E-04	1.54E-08	1.04E-06	4.20E-06	1.86E-04	2.29E-04	1.52E-02	7.78E-05	1.54E-04	1.57E-02
714	490286.72	3860235.12	0.05312	0.49563	0.0123	0.04748	1.98E-04	1.48E-02	7.86E-05	1.50E-04	1.52E-02	1.80E-04	1.50E-08	1.05E-06	4.09E-06	1.85E-04	2.29E-04	1.48E-02	7.86E-05	1.50E-04	1.52E-02
715	490336.72	3860235.12	0.053	0.48206	0.0125	0.04631	1.98E-04	1.44E-02	7.95E-05	1.46E-04	1.48E-02	1.80E-04	1.46E-08	1.06E-06	3.99E-06	1.85E-04	2.29E-04	1.44E-02	7.95E-05	1.46E-04	1.48E-02
716	490386.72	3860235.12	0.05281	0.46922	0.0126	0.04519	1.97E-04	1.40E-02	8.04E-05	1.43E-04	1.44E-02	1.79E-04	1.42E-08	1.07E-06	3.89E-06	1.84E-04	2.28E-04	1.40E-02	8.04E-05	1.43E-04	1.44E-02
717	490436.72	3860235.12	0.05257	0.45704	0.0127	0.04411	1.96E-04	1.36E-02	8.13E-05	1.39E-04	1.41E-02	1.78E-04	1.38E-08	1.08E-06	3.80E-06	1.83E-04	2.27E-04	1.36E-02	8.13E-05	1.39E-04	1.41E-02
718	490486.72	3860235.12	0.05225	0.44542	0.0129	0.04307	1.95E-04	1.33E-02	8.20E-05	1.36E-04	1.37E-02	1.77E-04	1.35E-08	1.09E-06	3.71E-06	1.82E-04	2.25E-04	1.33E-02	8.20E-05	1.36E-04	1.37E-02
719	490536.72	3860235.12	0.05192	0.4343	0.013	0.04208	1.94E-04	1.30E-02	8.27E-05	1.33E-04	1.34E-02	1.76E-04	1.31E-08	1.10E-06	3.62E-06	1.81E-04	2.24E-04	1.30E-02	8.27E-05	1.33E-04	1.34E-02
720	490586.72	3860235.12	0.05157	0.42374	0.0131	0.04114	1.92E-04	1.26E-02	8.33E-05	1.30E-04	1.30E-02	1.75E-04	1.28E-08	1.11E-06	3.54E-06	1.80E-04	2.23E-04	1.26E-02	8.33E-05	1.30E-04	1.31E-02
721	490636.72	3860235.12	0.05119	0.41365	0.0131	0.04024	1.91E-04	1.23E-02	8.38E-05	1.27E-04	1.27E-02	1.74E-04	1.25E-08	1.12E-06	3.47E-06	1.78E-04	2.21E-04	1.23E-02	8.38E-05	1.27E-04	1.28E-02
722	490686.72	3860235.12	0.0508	0.40402	0.0132	0.03938	1.90E-04	1.21E-02	8.41E-05	1.24E-04	1.25E-02	1.72E-04	1.22E-08	1.12E-06	3.39E-06	1.77E-04	2.19E-04	1.21E-02	8.41E-05	1.24E-04	1.25E-02
723	490736.72	3860235.12	0.05039	0.39476	0.0132	0.03854	1.88E-04	1.18E-02	8.42E-05	1.22E-04	1.22E-02	1.71E-04	1.19E-08	1.12E-06	3.32E-06	1.76E-04	2.17E-04	1.18E-02	8.42E-05	1.22E-04	1.22E-02
724	490786.72	3860235.12	0.04998	0.38587	0.0132	0.03773	1.86E-04	1.15E-02	8.42E-05	1.19E-04	1.19E-02	1.70E-04	1.17E-08	1.12E-06	3.25E-06	1.74E-04	2.16E-04	1.15E-02	8.42E-05	1.19E-04	1.19E-02
725	490086.72	3860285.12	0.05144	0.55166	0.0116	0.04974	1.92E-04	1.65E-02	7.39E-05	1.57E-04	1.69E-02	1.75E-04	1.67E-08	9.85E-07	4.28E-06	1.80E-04	2.22E-04	1.65E-02	7.39E-05	1.57E-04	1.69E-02
726	490136.72	3860285.12	0.05169	0.53361	0.0117	0.04831	1.93E-04	1.59E-02	7.44E-05	1.53E-04	1.63E-02	1.75E-04	1.61E-08	9.92E-07	4.16E-06	1.81E-04	2.23E-04	1.59E-02	7.44E-05	1.53E-04	1.64E-02
727	490186.72	3860285.12	0.05186	0.51689	0.0117	0.04699	1.94E-04	1.54E-02	7.49E-05	1.48E-04	1.58E-02	1.76E-04	1.56E-08	9.98E-07	4.05E-06	1.81E-04	2.24E-04	1.54E-02	7.49E-05	1.48E-04	1.59E-02
728	490236.72	3860285.12	0.052	0.50123	0.0119	0.04575	1.94E-04	1.50E-02	7.56E-05	1.44E-04	1.54E-02	1.77E-04	1.51E-08	1.01E-06	3.94E-06	1.82E-04	2.24E-04	1.50E-02	7.56E-05	1.44E-04	1.54E-02

729	490286.72	3860285.12	0.052	0.48668	0.012	0.04463	1.94E-04	1.45E-02	7.62E-05	1.41E-04	1.49E-02	1.77E-04	1.47E-08	1.02E-06	3.84E-06	1.81E-04	2.24E-04	1.45E-02	7.62E-05	1.41E-04	1.50E-02
730	490336.72	3860285.12	0.05195	0.473	0.0121	0.04356	1.94E-04	1.41E-02	7.70E-05	1.38E-04	1.45E-02	1.76E-04	1.43E-08	1.03E-06	3.75E-06	1.81E-04	2.24E-04	1.41E-02	7.70E-05	1.38E-04	1.45E-02
731	490386.72	3860285.12	0.05186	0.46006	0.0122	0.04252	1.94E-04	1.37E-02	7.79E-05	1.34E-04	1.41E-02	1.76E-04	1.39E-08	1.04E-06	3.66E-06	1.81E-04	2.24E-04	1.37E-02	7.79E-05	1.34E-04	1.42E-02
732	490436.72	3860285.12	0.05168	0.44787	0.0124	0.04153	1.93E-04	1.34E-02	7.88E-05	1.31E-04	1.38E-02	1.75E-04	1.35E-08	1.05E-06	3.58E-06	1.80E-04	2.23E-04	1.34E-02	7.88E-05	1.31E-04	1.38E-02
733	490486.72	3860285.12	0.05145	0.43625	0.0125	0.04059	1.92E-04	1.30E-02	7.96E-05	1.28E-04	1.34E-02	1.75E-04	1.32E-08	1.06E-06	3.50E-06	1.79E-04	2.22E-04	1.30E-02	7.96E-05	1.28E-04	1.34E-02
734	490536.72	3860285.12	0.05115	0.42513	0.0126	0.03966	1.91E-04	1.27E-02	8.03E-05	1.25E-04	1.31E-02	1.74E-04	1.28E-08	1.07E-06	3.42E-06	1.78E-04	2.21E-04	1.27E-02	8.03E-05	1.25E-04	1.31E-02
735	490586.72	3860285.12	0.05082	0.41458	0.0127	0.03875	1.90E-04	1.24E-02	8.09E-05	1.22E-04	1.28E-02	1.73E-04	1.25E-08	1.08E-06	3.34E-06	1.77E-04	2.19E-04	1.24E-02	8.09E-05	1.22E-04	1.28E-02
736	490636.72	3860285.12	0.05048	0.40462	0.0128	0.03792	1.88E-04	1.21E-02	8.15E-05	1.20E-04	1.25E-02	1.71E-04	1.22E-08	1.09E-06	3.27E-06	1.76E-04	2.18E-04	1.21E-02	8.15E-05	1.20E-04	1.25E-02
737	490686.72	3860285.12	0.05013	0.39518	0.0129	0.03716	1.87E-04	1.18E-02	8.20E-05	1.17E-04	1.22E-02	1.70E-04	1.19E-08	1.09E-06	3.20E-06	1.74E-04	2.16E-04	1.18E-02	8.20E-05	1.17E-04	1.22E-02
738	490736.72	3860285.12	0.04974	0.3861	0.0129	0.0364	1.86E-04	1.15E-02	8.22E-05	1.15E-04	1.19E-02	1.69E-04	1.17E-08	1.10E-06	3.13E-06	1.73E-04	2.15E-04	1.15E-02	8.22E-05	1.15E-04	1.19E-02
739	490786.72	3860285.12	0.04937	0.37746	0.0129	0.0357	1.84E-04	1.13E-02	8.24E-05	1.13E-04	1.16E-02	1.68E-04	1.14E-08	1.10E-06	3.07E-06	1.72E-04	2.13E-04	1.13E-02	8.24E-05	1.13E-04	1.17E-02
740	490086.72	3860335.12	0.05006	0.54055	0.0113	0.04624	1.87E-04	1.61E-02	7.23E-05	1.46E-04	1.65E-02	1.70E-04	1.63E-08	9.64E-07	3.98E-06	1.75E-04	2.16E-04	1.61E-02	7.23E-05	1.46E-04	1.66E-02
741	490136.72	3860335.12	0.05037	0.52232	0.0114	0.04499	1.88E-04	1.56E-02	7.27E-05	1.42E-04	1.60E-02	1.71E-04	1.58E-08	9.70E-07	3.87E-06	1.76E-04	2.17E-04	1.56E-02	7.27E-05	1.42E-04	1.60E-02
742	490186.72	3860335.12	0.05058	0.50552	0.0115	0.04385	1.89E-04	1.51E-02	7.31E-05	1.38E-04	1.55E-02	1.72E-04	1.53E-08	9.75E-07	3.78E-06	1.76E-04	2.18E-04	1.51E-02	7.31E-05	1.38E-04	1.55E-02
743	490236.72	3860335.12	0.05078	0.48984	0.0116	0.04275	1.89E-04	1.46E-02	7.37E-05	1.35E-04	1.50E-02	1.72E-04	1.48E-08	9.82E-07	3.68E-06	1.77E-04	2.19E-04	1.46E-02	7.37E-05	1.35E-04	1.50E-02
744	490286.72	3860335.12	0.05086	0.47532	0.0116	0.04177	1.90E-04	1.42E-02	7.42E-05	1.32E-04	1.46E-02	1.73E-04	1.44E-08	9.89E-07	3.60E-06	1.77E-04	2.19E-04	1.42E-02	7.42E-05	1.32E-04	1.46E-02
745	490336.72	3860335.12	0.05087	0.46173	0.0117	0.04081	1.90E-04	1.38E-02	7.48E-05	1.29E-04	1.42E-02	1.73E-04	1.39E-08	9.98E-07	3.51E-06	1.77E-04	2.20E-04	1.38E-02	7.48E-05	1.29E-04	1.42E-02
746	490386.72	3860335.12	0.05084	0.44894	0.0118	0.03989	1.90E-04	1.34E-02	7.55E-05	1.26E-04	1.38E-02	1.73E-04	1.36E-08	1.01E-06	3.43E-06	1.77E-04	2.19E-04	1.34E-02	7.55E-05	1.26E-04	1.38E-02
747	490436.72	3860335.12	0.05074	0.43686	0.012	0.03901	1.89E-04	1.30E-02	7.64E-05	1.23E-04	1.34E-02	1.72E-04	1.32E-08	1.02E-06	3.36E-06	1.77E-04	2.19E-04	1.30E-02	7.64E-05	1.23E-04	1.35E-02
748	490486.72	3860335.12	0.05057	0.42537	0.0121	0.03815	1.89E-04	1.27E-02	7.72E-05	1.20E-04	1.31E-02	1.72E-04	1.28E-08	1.03E-06	3.29E-06	1.76E-04	2.18E-04	1.27E-02	7.72E-05	1.20E-04	1.31E-02
749	490536.72	3860335.12	0.05038	0.41456	0.0122	0.03734	1.88E-04	1.24E-02	7.80E-05	1.18E-04	1.28E-02	1.71E-04	1.25E-08	1.04E-06	3.22E-06	1.75E-04	2.17E-04	1.24E-02	7.80E-05	1.18E-04	1.28E-02
750	490586.72	3860335.12	0.05009	0.40418	0.0123	0.03649	1.87E-04	1.21E-02	7.87E-05	1.15E-04	1.24E-02	1.70E-04	1.22E-08	1.05E-06	3.14E-06	1.74E-04	2.16E-04	1.21E-02	7.87E-05	1.15E-04	1.25E-02
751	490636.72	3860335.12	0.04979	0.39442	0.0124	0.03573	1.86E-04	1.18E-02	7.93E-05	1.13E-04	1.21E-02	1.69E-04	1.19E-08	1.06E-06	3.08E-06	1.73E-04	2.15E-04	1.18E-02	7.93E-05	1.13E-04	1.22E-02
752	490686.72	3860335.12	0.04946	0.38515	0.0125	0.03502	1.85E-04	1.15E-02	7.99E-05	1.11E-04	1.19E-02	1.68E-04	1.16E-08	1.06E-06	3.02E-06	1.72E-04	2.13E-04	1.15E-02	7.99E-05	1.11E-04	1.19E-02
753	490736.72	3860335.12	0.04911	0.37634	0.0126	0.03434	1.83E-04	1.12E-02	8.02E-05	1.08E-04	1.16E-02	1.67E-04	1.14E-08	1.07E-06	2.96E-06	1.71E-04	2.12E-04	1.12E-02	8.02E-05	1.08E-04	1.16E-02
754	490786.72	3860335.12	0.04879	0.36809	0.0126	0.03376	1.82E-04	1.10E-02	8.06E-05	1.07E-04	1.14E-02	1.66E-04	1.11E-08	1.07E-06	2.91E-06	1.70E-04	2.11E-04	1.10E-02	8.06E-05	1.07E-04	1.14E-02
755	490086.72	3860385.12	0.04874	0.52558	0.0111	0.04269	1.82E-04	1.57E-02	7.09E-05	1.35E-04	1.61E-02	1.65E-04	1.59E-08	9.46E-07	3.68E-06	1.70E-04	2.10E-04	1.57E-02	7.09E-05	1.35E-04	1.61E-02
756	490136.72	3860385.12	0.04906	0.50762	0.0112	0.04164	1.83E-04	1.51E-02	7.13E-05	1.31E-04	1.55E-02	1.67E-04	1.53E-08	9.51E-07	3.59E-06	1.71E-04	2.12E-04	1.51E-02	7.13E-05	1.31E-04	1.56E-02
757	490186.72	3860385.12	0.04928	0.49115	0.0112	0.04069	1.84E-04	1.47E-02	7.15E-05	1.28E-04	1.50E-02	1.67E-04	1.48E-08	9.53E-07	3.50E-06	1.72E-04	2.13E-04	1.47E-02	7.15E-05	1.28E-04	1.51E-02
758	490236.72	3860385.12	0.04951	0.47581	0.0113	0.03977	1.85E-04	1.42E-02	7.19E-05	1.26E-04	1.46E-02	1.68E-04	1.44E-08	9.58E-07	3.42E-06	1.72E-04	2.14E-04	1.42E-02	7.19E-05	1.26E-04	1.46E-02
759	490286.72	3860385.12	0.04965	0.46159	0.0113	0.0389	1.85E-04	1.38E-02	7.23E-05	1.23E-04	1.42E-02	1.69E-04	1.39E-08	9.64E-07	3.35E-06	1.73E-04	2.14E-04	1.38E-02	7.23E-05	1.23E-04	1.42E-02
760	490336.72	3860385.12	0.04975	0.4483	0.0114	0.03807	1.86E-04	1.34E-02	7.28E-05	1.20E-04	1.38E-02	1.69E-04	1.35E-08	9.70E-07	3.28E-06	1.73E-04	2.15E-04	1.34E-02	7.28E-05	1.20E-04	1.38E-02
761	490386.72	3860385.12	0.04977	0.43581	0.0115	0.03728	1.86E-04	1.30E-02	7.34E-05	1.18E-04	1.34E-02	1.69E-04	1.32E-08	9.79E-07	3.21E-06	1.73E-04	2.15E-04	1.30E-02	7.34E-05	1.18E-04	1.34E-02
762	490436.72	3860385.12	0.04975	0.42401	0.0116	0.03651	1.86E-04	1.26E-02	7.41E-05	1.15E-04	1.30E-02	1.69E-04	1.28E-08	9.88E-07	3.14E-06	1.73E-04	2.15E-04	1.26E-02	7.41E-05	1.15E-04	1.31E-02
763	490486.72	3860385.12	0.04968	0.41295	0.0118	0.03577	1.85E-04	1.23E-02	7.49E-05	1.13E-04	1.27E-02	1.69E-04	1.25E-08	9.99E-07	3.08E-06	1.73E-04	2.14E-04	1.23E-02	7.49E-05	1.13E-04	1.27E-02
764	490536.72	3860385.12	0.04954	0.40246	0.0119	0.03504	1.85E-04	1.20E-02	7.57E-05	1.11E-04	1.24E-02	1.68E-04	1.22E-08	1.01E-06	3.02E-06	1.72E-04	2.14E-04	1.20E-02	7.57E-05	1.11E-04	1.24E-02
765	490586.72	3860385.12	0.04934	0.39252	0.012	0.03432	1.84E-04	1.17E-02	7.65E-05	1.08E-04	1.21E-02	1.68E-04	1.19E-08	1.02E-06	2.96E-06	1.71E-04	2.13E-04	1.17E-02	7.65E-05	1.08E-04	1.21E-02
766	490636.72	3860385.12	0.04907	0.38303	0.0121	0.03362	1.83E-04	1.14E-02	7.72E-05	1.06E-04	1.18E-02	1.67E-04	1.16E-08	1.03E-06	2.90E-06	1.71E-04	2.12E-04	1.14E-02	7.72E-05	1.06E-04	1.18E-02
767	490686.72	3860385.12	0.0488	0.37415	0.0122	0.033	1.82E-04	1.12E-02	7.78E-05	1.04E-04	1.15E-02	1.66E-04	1.13E-08	1.04E-06	2.84E-06	1.70E-04	2.11E-04	1.12E-02	7.78E-05	1.04E-04	1.16E-02
768	490736.72	3860385.12	0.04846	0.36556	0.0123	0.03236	1.81E-04	1.09E-02	7.83E-05	1.02E-04	1.13E-02	1.65E-04	1.10E-08	1.04E-06	2.79E-06	1.68E-04	2.09E-04	1.09E-02	7.83E-05	1.02E-04	1.13E-02
769	490786.72	3860385.12	0.04812	0.35746	0.0123	0.03179	1.80E-04	1.07E-02	7.86E-05	1.00E-04	1.10E-02	1.63E-04	1.08E-08	1.05E-06	2.74E-06	1.67E-04	2.08E-04	1.07E-02	7.86E-05	1.00E-04	1.11E-02
770	490136.72	3860435.12	0.04773	0.48977	0.011	0.03841	1.78E-04	1.46E-02	6.99E-05	1.21E-04	1.50E-02	1.62E-04	1.48E-08	9.32E-07	3.31E-06	1.66E-04	2.06E-04	1.46E-02	6.99E-05	1.21E-04	1.50E-02
771	490186.72	3860435.12	0.04802	0.47392	0.011	0.03759	1.79E-04	1.41E-02	7.01E-05	1.19E-04	1.45E-02	1.63E-04	1.43E-08	9.35E-07	3.24E-06	1.67E-04	2.07E-04	1.41E-02	7.01E-05	1.19E-04	1.45E-02
772	490236.72	3860435.12	0.04825	0.45924	0.011	0.03681	1.80E-04	1.37E-02	7.04E-05	1.16E-04	1.41E-02	1.64E-04	1.39E-08	9.38E-07	3.17E-06	1.68E-04	2.08E-04	1.37E-02	7.04E-05	1.16E-04	1.41E-02
773	490286.72	3860435.12	0.04845	0.44561	0.0111	0.03608	1.81E-04	1.33E-02	7.06E-05	1.14E-04	1.37E-02	1.64E-04	1.35E-08	9.41E-07	3.11E-06	1.69E-04	2.09E-04	1.33E-02	7.06E-05	1.14E-04	1.37E-02
774	490336.72	3860435.12	0.04857	0.43278	0.0111	0.03537	1.81E-04	1.29E-02	7.10E-05	1.12E-04	1.33E-02	1.65E-04	1.31E-08	9.47E-07	3.05E-06	1.69E-04	2.10E-04	1.29E-02	7.10E-05	1.12E-04	1.33E-02
775	490386.72	3860435.12	0.04867	0.42082	0.0112	0.03469	1.82E-04	1.26E-02	7.15E-05	1.10E-04	1.29E-02	1.65E-04	1.27E-08	9.53E-07	2.99E-06	1.69E-04	2.10E-04	1.26E-02	7.15E-05	1.10E-04	1.29E-02
776	490436.72	3860435.12	0.04871	0.40957	0.0113	0.03402	1.82E-04	1.22E-02	7.21E-05	1.07E-04	1.26E-02	1.65E-04	1.24E-08	9.61E-07	2.93E-06	1.69E-04	2.10E-04	1.22E-02	7.21E-05	1.07E-04	1.26E-02
777	490486.72	3860435.12	0.0487	0.39898	0.0114	0.03336	1.82E-04	1.19E-02	7.28E-05	1.05E-04	1.23E-02	1.65E-04	1.20E-08	9.70E-07	2.87E-06	1.69E-04	2.10E-04	1.19E-02	7.28E-05	1.05E-04	1.23E-02
778	490536.72	3860435.12	0.04864	0.38904	0.0115	0.03275	1.81E-04	1.16E-02	7.35E-05	1.03E-04	1.20E-02	1.65E-04	1.17E-08	9.81E-07	2.82E-06	1.69E-04	2.10E-04	1.16E-02	7.35E-05	1.03E-04	1.20E-02
779	490586.72	3860435.12	0.0485	0.37955	0.0116	0.03214	1.81E-04	1.13E-02	7.42E-05	1.01E-04	1.17E-02	1.65E-04	1.15E-08	9.90E-07	2.77E-06	1.68E-04	2.09E-04	1.13E-02	7.42E-05	1.01E-04	1.17E-02
780	490636.72	3860435.12	0.0483	0.37052	0.0118	0.03154	1.80E-04	1.11E-02	7.49E-05	9.96E-05	1.14E-02	1.64E-04	1.12E-08	9.99E-07	2.72E-06	1.68E-04	2.08E-04	1.11E-02	7.49E-05	9.96E-05	1.14E-02
781	490686.72	3860435.12	0.04807	0.36204	0.0119	0.03099	1.79E-04	1.08E-02	7.56E-05	9.78E-05	1.12E-02	1.63E-04	1.09E-08	1.01E-06	2.67E-06	1.67E-04	2.07E-04	1.08E-02	7.56E-05	9.78E-05	1.12E-02
782	490736.72	3860435.12	0.04783	0.35405	0.012	0.03049	1.78E-04	1.06E-02	7.64E-05	9.63E-05	1.09E-02	1.62E-04	1.07E-08	1.02E-06	2.63E-06	1.66E-04	2.06E-04	1.06E-02	7.64E-05	9.63E-05	1.09E-02
783	490786.72	3860435.12	0.04751	0.34628	0.012	0.02996	1.77E-04	1.03E-02	7.68E-05	9.46E-05	1.07E-02	1.61E-04	1.05E-08	1.02E-06	2.58E-06	1.65E-04	2.05E-04	1.03E-02	7.68E-05	9.46E-05	1.07E-02
784	490136.72	3860485.12	0.04653	0.46911	0.0108	0.03536	1.74E-04	1.40E-02	6.88E-05	1.12E-04	1.43E-02	1.58E-04	1.42E-08	9.17E-07	3.04E-06	1.62E-04	2.01E-04	1.40E-02	6.88E-05	1.12E-04	1.44E-02
785	490186.72	3860485.12	0.04678	0.4543	0.0108	0.03467	1.75E-04	1.36E-02	6.89E-05	1.09E-04	1.39E-02	1.59E-04	1.37E-08	9.19E-07	2.99E-06	1.63E-04	2.02E-04	1.36E-02	6.89E-05	1.09E-04	1.39E-02
786	490236.72	3860485.12	0.047	0.44047	0.0108	0.03402	1.75E-04	1.31E-02	6.90E-05	1.07E-04	1.35E-02	1.60E-04	1.33E-08	9.19E-07	2.93E-06	1.63E-04	2.03E-04	1.31E-02	6.90E-05	1.07E-04	1.35E-02
787	490286.72	3860485.12	0.04724	0.4277	0.0109	0.03339	1.76E-04	1.28E-02	6.92E-05	1.05E-04	1.31E-02	1.60E-04	1.29E-08	9.23E-07	2.88E-06	1.64E-04	2.04E-04	1.28E-02	6.92E-05	1.05E-04	1.31E-02
788	490336.72	3860485.12	0.04741	0.41564	0.0109	0.03277	1.77E-04	1.24E-02	6.94E-05	1.03E-04	1.27E-02	1.61E-04	1.26E-08	9.25E-07	2.82E-06	1.65E-04	2.05E-04	1.24E-02	6.94E-05	1.03E-04	1.28E-02
789	490386.72	3860485.12	0.04757	0.40445	0.0109	0.03219	1.78E-04	1.21E-02	6.98E-05	1.02E-04	1.24E-02	1.62E-04	1.22E-08	9.30E-07	2.77E-06	1.65E-04	2.05E-04	1.21E-02	6.98E-05	1.02E-04	1.24E-02

790	490436.72	3860485.12	0.04771	0.39404	0.011	0.03166	1.78E-04	1.18E-02	7.04E-05	1.00E-04	1.21E-02	1.62E-04	1.19E-08	9.38E-07	2.73E-06	1.66E-04	2.06E-04	1.18E-02	7.04E-05	1.00E-04	1.21E-02
791	490486.72	3860485.12	0.04773	0.38403	0.0111	0.03108	1.78E-04	1.15E-02	7.09E-05	9.81E-05	1.18E-02	1.62E-04	1.16E-08	9.45E-07	2.68E-06	1.66E-04	2.06E-04	1.15E-02	7.09E-05	9.81E-05	1.18E-02
792	490536.72	3860485.12	0.04769	0.37456	0.0112	0.03052	1.78E-04	1.12E-02	7.14E-05	9.64E-05	1.15E-02	1.62E-04	1.13E-08	9.53E-07	2.63E-06	1.66E-04	2.06E-04	1.12E-02	7.14E-05	9.64E-05	1.15E-02
793	490586.72	3860485.12	0.04761	0.36561	0.0113	0.02999	1.78E-04	1.09E-02	7.21E-05	9.47E-05	1.13E-02	1.62E-04	1.10E-08	9.62E-07	2.58E-06	1.65E-04	2.05E-04	1.09E-02	7.21E-05	9.47E-05	1.13E-02
794	490636.72	3860485.12	0.0475	0.35726	0.0114	0.02952	1.77E-04	1.07E-02	7.29E-05	9.32E-05	1.10E-02	1.61E-04	1.08E-08	9.72E-07	2.54E-06	1.65E-04	2.05E-04	1.07E-02	7.29E-05	9.32E-05	1.10E-02
795	490686.72	3860485.12	0.04731	0.34917	0.0115	0.02902	1.77E-04	1.04E-02	7.35E-05	9.16E-05	1.08E-02	1.61E-04	1.05E-08	9.81E-07	2.50E-06	1.64E-04	2.04E-04	1.04E-02	7.35E-05	9.16E-05	1.08E-02
796	490736.72	3860485.12	0.04711	0.34163	0.0116	0.02859	1.76E-04	1.02E-02	7.42E-05	9.03E-05	1.05E-02	1.60E-04	1.03E-08	9.90E-07	2.46E-06	1.63E-04	2.03E-04	1.02E-02	7.42E-05	9.03E-05	1.06E-02
797	490786.72	3860485.12	0.04686	0.33441	0.0117	0.02817	1.75E-04	9.98E-03	7.48E-05	8.89E-05	1.03E-02	1.59E-04	1.01E-08	9.98E-07	2.43E-06	1.63E-04	2.02E-04	9.98E-03	7.48E-05	8.89E-05	1.03E-02
798	490136.72	3860535.12	0.04534	0.44631	0.0106	0.03256	1.69E-04	1.33E-02	6.77E-05	1.03E-04	1.37E-02	1.54E-04	1.35E-08	9.02E-07	2.80E-06	1.58E-04	1.96E-04	1.33E-02	6.77E-05	1.03E-04	1.37E-02
799	490186.72	3860535.12	0.04568	0.43292	0.0107	0.03198	1.70E-04	1.29E-02	6.79E-05	1.01E-04	1.33E-02	1.55E-04	1.31E-08	9.06E-07	2.75E-06	1.59E-04	1.97E-04	1.29E-02	6.79E-05	1.01E-04	1.33E-02
800	490236.72	3860535.12	0.04582	0.42018	0.0106	0.03141	1.71E-04	1.25E-02	6.78E-05	9.92E-05	1.29E-02	1.56E-04	1.27E-08	9.04E-07	2.70E-06	1.59E-04	1.98E-04	1.25E-02	6.78E-05	9.92E-05	1.29E-02
801	490286.72	3860535.12	0.04602	0.40834	0.0106	0.03085	1.72E-04	1.22E-02	6.79E-05	9.74E-05	1.25E-02	1.56E-04	1.23E-08	9.05E-07	2.66E-06	1.60E-04	1.99E-04	1.22E-02	6.79E-05	9.74E-05	1.25E-02
802	490336.72	3860535.12	0.04625	0.39737	0.0107	0.03033	1.73E-04	1.19E-02	6.81E-05	9.58E-05	1.22E-02	1.57E-04	1.20E-08	9.07E-07	2.61E-06	1.61E-04	2.00E-04	1.19E-02	6.81E-05	9.58E-05	1.22E-02
803	490386.72	3860535.12	0.04647	0.38717	0.0107	0.02987	1.73E-04	1.16E-02	6.84E-05	9.43E-05	1.19E-02	1.58E-04	1.17E-08	9.12E-07	2.57E-06	1.61E-04	2.01E-04	1.16E-02	6.84E-05	9.43E-05	1.19E-02
804	490436.72	3860535.12	0.04665	0.37754	0.0108	0.02941	1.74E-04	1.13E-02	6.88E-05	9.29E-05	1.16E-02	1.58E-04	1.14E-08	9.17E-07	2.53E-06	1.62E-04	2.01E-04	1.13E-02	6.88E-05	9.29E-05	1.16E-02
805	490486.72	3860535.12	0.04676	0.36839	0.0109	0.02895	1.74E-04	1.10E-02	6.92E-05	9.14E-05	1.13E-02	1.59E-04	1.11E-08	9.23E-07	2.49E-06	1.62E-04	2.02E-04	1.10E-02	6.92E-05	9.14E-05	1.14E-02
806	490536.72	3860535.12	0.04692	0.36005	0.011	0.02861	1.75E-04	1.07E-02	7.00E-05	9.03E-05	1.11E-02	1.59E-04	1.09E-08	9.33E-07	2.46E-06	1.63E-04	2.02E-04	1.07E-02	7.00E-05	9.03E-05	1.11E-02
807	490586.72	3860535.12	0.04674	0.35128	0.011	0.028	1.74E-04	1.05E-02	7.02E-05	8.84E-05	1.08E-02	1.59E-04	1.06E-08	9.36E-07	2.41E-06	1.62E-04	2.02E-04	1.05E-02	7.02E-05	8.84E-05	1.08E-02
808	490636.72	3860535.12	0.04666	0.34337	0.0111	0.02756	1.74E-04	1.02E-02	7.09E-05	8.70E-05	1.06E-02	1.58E-04	1.04E-08	9.45E-07	2.37E-06	1.62E-04	2.01E-04	1.02E-02	7.09E-05	8.70E-05	1.06E-02
809	490686.72	3860535.12	0.04655	0.33596	0.0112	0.02716	1.74E-04	1.00E-02	7.16E-05	8.58E-05	1.04E-02	1.58E-04	1.01E-08	9.54E-07	2.34E-06	1.61E-04	2.01E-04	1.00E-02	7.16E-05	8.58E-05	1.04E-02
810	490736.72	3860535.12	0.04637	0.32879	0.0113	0.02676	1.73E-04	9.81E-03	7.22E-05	8.45E-05	1.01E-02	1.57E-04	9.93E-09	9.63E-07	2.30E-06	1.61E-04	2.00E-04	9.81E-03	7.22E-05	8.45E-05	1.02E-02
811	490786.72	3860535.12	0.04618	0.32213	0.0114	0.02641	1.72E-04	9.61E-03	7.29E-05	8.34E-05	9.94E-03	1.57E-04	9.73E-09	9.72E-07	2.27E-06	1.60E-04	1.99E-04	9.61E-03	7.29E-05	8.34E-05	9.97E-03
812	490136.72	3860585.12	0.0443	0.42245	0.0105	0.03001	1.65E-04	1.26E-02	6.68E-05	9.48E-05	1.29E-02	1.50E-04	1.28E-08	8.90E-07	2.58E-06	1.54E-04	1.91E-04	1.26E-02	6.68E-05	9.48E-05	1.30E-02
813	490186.72	3860585.12	0.04429	0.40954	0.0104	0.02934	1.65E-04	1.22E-02	6.64E-05	9.26E-05	1.25E-02	1.50E-04	1.24E-08	8.85E-07	2.53E-06	1.54E-04	1.91E-04	1.22E-02	6.64E-05	9.26E-05	1.26E-02
814	490236.72	3860585.12	0.04459	0.39865	0.0104	0.02894	1.66E-04	1.19E-02	6.66E-05	9.14E-05	1.22E-02	1.51E-04	1.20E-08	8.88E-07	2.49E-06	1.55E-04	1.92E-04	1.19E-02	6.66E-05	9.14E-05	1.22E-02
815	490286.72	3860585.12	0.04486	0.38827	0.0105	0.02852	1.67E-04	1.16E-02	6.67E-05	9.00E-05	1.19E-02	1.52E-04	1.17E-08	8.90E-07	2.46E-06	1.56E-04	1.94E-04	1.16E-02	6.67E-05	9.00E-05	1.19E-02
816	490336.72	3860585.12	0.04509	0.37834	0.0105	0.02807	1.68E-04	1.13E-02	6.68E-05	8.86E-05	1.16E-02	1.53E-04	1.14E-08	8.90E-07	2.42E-06	1.56E-04	1.95E-04	1.13E-02	6.68E-05	8.86E-05	1.16E-02
817	490386.72	3860585.12	0.0453	0.36897	0.0105	0.02764	1.69E-04	1.10E-02	6.70E-05	8.73E-05	1.13E-02	1.54E-04	1.11E-08	8.93E-07	2.38E-06	1.57E-04	1.95E-04	1.10E-02	6.70E-05	8.73E-05	1.14E-02
818	490436.72	3860585.12	0.04562	0.36063	0.0106	0.02738	1.70E-04	1.08E-02	6.75E-05	8.64E-05	1.11E-02	1.55E-04	1.09E-08	9.00E-07	2.36E-06	1.58E-04	1.97E-04	1.08E-02	6.75E-05	8.64E-05	1.11E-02
819	490486.72	3860585.12	0.04589	0.35256	0.0107	0.02704	1.71E-04	1.05E-02	6.81E-05	8.54E-05	1.08E-02	1.56E-04	1.06E-08	9.07E-07	2.33E-06	1.59E-04	1.98E-04	1.05E-02	6.81E-05	8.54E-05	1.09E-02
820	490536.72	3860585.12	0.04594	0.34456	0.0107	0.02666	1.71E-04	1.03E-02	6.83E-05	8.42E-05	1.06E-02	1.56E-04	1.04E-08	9.11E-07	2.30E-06	1.59E-04	1.98E-04	1.03E-02	6.83E-05	8.42E-05	1.06E-02
821	490586.72	3860585.12	0.04576	0.33626	0.0107	0.02606	1.71E-04	1.00E-02	6.84E-05	8.23E-05	1.04E-02	1.55E-04	1.02E-08	9.12E-07	2.24E-06	1.59E-04	1.97E-04	1.00E-02	6.84E-05	8.23E-05	1.04E-02
822	490636.72	3860585.12	0.04577	0.32911	0.0108	0.02571	1.71E-04	9.82E-03	6.90E-05	8.12E-05	1.01E-02	1.55E-04	9.94E-09	9.19E-07	2.21E-06	1.59E-04	1.98E-04	9.82E-03	6.90E-05	8.12E-05	1.02E-02
823	490686.72	3860585.12	0.04571	0.32227	0.0109	0.02537	1.71E-04	9.61E-03	6.96E-05	8.01E-05	9.93E-03	1.55E-04	9.73E-09	9.28E-07	2.18E-06	1.58E-04	1.97E-04	9.61E-03	6.96E-05	8.01E-05	9.96E-03
824	490736.72	3860585.12	0.04561	0.31576	0.011	0.02504	1.70E-04	9.42E-03	7.03E-05	7.91E-05	9.74E-03	1.55E-04	9.54E-09	9.37E-07	2.16E-06	1.58E-04	1.97E-04	9.42E-03	7.03E-05	7.91E-05	9.77E-03
825	490786.72	3860585.12	0.04544	0.30946	0.0111	0.02471	1.70E-04	9.23E-03	7.09E-05	7.80E-05	9.55E-03	1.54E-04	9.35E-09	9.45E-07	2.13E-06	1.57E-04	1.96E-04	9.23E-03	7.09E-05	7.80E-05	9.58E-03
826	490136.72	3860635.12	0.0434	0.39784	0.0104	0.02764	1.62E-04	1.19E-02	6.61E-05	8.73E-05	1.22E-02	1.47E-04	1.20E-08	8.81E-07	2.38E-06	1.51E-04	1.87E-04	1.19E-02	6.61E-05	8.73E-05	1.22E-02
827	490186.72	3860635.12	0.04343	0.38741	0.0103	0.02724	1.62E-04	1.16E-02	6.58E-05	8.60E-05	1.19E-02	1.47E-04	1.17E-08	8.78E-07	2.35E-06	1.51E-04	1.87E-04	1.16E-02	6.58E-05	8.60E-05	1.19E-02
828	490236.72	3860635.12	0.04348	0.37697	0.0103	0.02672	1.62E-04	1.12E-02	6.56E-05	8.44E-05	1.16E-02	1.48E-04	1.14E-08	8.74E-07	2.30E-06	1.51E-04	1.88E-04	1.12E-02	6.56E-05	8.44E-05	1.16E-02
829	490286.72	3860635.12	0.04369	0.36758	0.0103	0.02632	1.63E-04	1.10E-02	6.56E-05	8.31E-05	1.13E-02	1.48E-04	1.11E-08	8.74E-07	2.27E-06	1.51E-04	1.89E-04	1.10E-02	6.56E-05	8.31E-05	1.13E-02
830	490336.72	3860635.12	0.04394	0.3589	0.0103	0.02598	1.64E-04	1.07E-02	6.57E-05	8.20E-05	1.10E-02	1.49E-04	1.08E-08	8.76E-07	2.24E-06	1.52E-04	1.90E-04	1.07E-02	6.57E-05	8.20E-05	1.10E-02
831	490386.72	3860635.12	0.04418	0.35065	0.0103	0.02564	1.65E-04	1.05E-02	6.58E-05	8.10E-05	1.08E-02	1.50E-04	1.06E-08	8.77E-07	2.21E-06	1.53E-04	1.91E-04	1.05E-02	6.58E-05	8.10E-05	1.08E-02
832	490436.72	3860635.12	0.04438	0.34272	0.0103	0.02529	1.66E-04	1.02E-02	6.59E-05	7.98E-05	1.05E-02	1.51E-04	1.03E-08	8.79E-07	2.18E-06	1.54E-04	1.92E-04	1.02E-02	6.59E-05	7.98E-05	1.06E-02
833	490486.72	3860635.12	0.04458	0.3353	0.0104	0.02497	1.66E-04	1.00E-02	6.61E-05	7.88E-05	1.03E-02	1.51E-04	1.01E-08	8.82E-07	2.15E-06	1.54E-04	1.92E-04	1.00E-02	6.61E-05	7.88E-05	1.03E-02
834	490536.72	3860635.12	0.0448	0.32843	0.0104	0.02472	1.67E-04	9.80E-03	6.66E-05	7.81E-05	1.01E-02	1.52E-04	9.92E-09	8.88E-07	2.13E-06	1.55E-04	1.93E-04	9.80E-03	6.66E-05	7.81E-05	1.01E-02
835	490586.72	3860635.12	0.04482	0.32131	0.0105	0.02433	1.67E-04	9.59E-03	6.68E-05	7.68E-05	9.90E-03	1.52E-04	9.70E-09	8.91E-07	2.10E-06	1.55E-04	1.93E-04	9.59E-03	6.68E-05	7.68E-05	9.92E-03
836	490636.72	3860635.12	0.04488	0.31486	0.0106	0.02404	1.67E-04	9.39E-03	6.73E-05	7.59E-05	9.70E-03	1.52E-04	9.51E-09	8.97E-07	2.07E-06	1.55E-04	1.94E-04	9.39E-03	6.73E-05	7.59E-05	9.73E-03
837	490686.72	3860635.12	0.04488	0.3086	0.0106	0.02373	1.67E-04	9.21E-03	6.79E-05	7.49E-05	9.52E-03	1.52E-04	9.32E-09	9.05E-07	2.04E-06	1.55E-04	1.94E-04	9.21E-03	6.79E-05	7.49E-05	9.54E-03
838	490736.72	3860635.12	0.04479	0.30245	0.0107	0.02342	1.67E-04	9.02E-03	6.84E-05	7.39E-05	9.33E-03	1.52E-04	9.13E-09	9.12E-07	2.02E-06	1.55E-04	1.93E-04	9.02E-03	6.84E-05	7.39E-05	9.36E-03
839	490786.72	3860635.12	0.04469	0.29678	0.0108	0.02315	1.67E-04	8.85E-03	6.90E-05	7.31E-05	9.16E-03	1.52E-04	8.96E-09	9.20E-07	1.99E-06	1.55E-04	1.93E-04	8.85E-03	6.90E-05	7.31E-05	9.19E-03
840	490136.72	3860685.12	0.0423	0.37342	0.0102	0.02549	1.58E-04	1.11E-02	6.49E-05	8.05E-05	1.14E-02	1.44E-04	1.13E-08	8.65E-07	2.19E-06	1.47E-04	1.83E-04	1.11E-02	6.49E-05	8.05E-05	1.15E-02
841	490186.72	3860685.12	0.04266	0.36434	0.0103	0.0251	1.59E-04	1.09E-02	6.55E-05	7.93E-05	1.12E-02	1.45E-04	1.10E-08	8.73E-07	2.16E-06	1.48E-04	1.84E-04	1.09E-02	6.55E-05	7.93E-05	1.12E-02
842	490236.72	3860685.12	0.04261	0.35594	0.0102	0.02481	1.59E-04	1.06E-02	6.50E-05	7.83E-05	1.09E-02	1.45E-04	1.07E-08	8.67E-07	2.14E-06	1.48E-04	1.84E-04	1.06E-02	6.50E-05	7.83E-05	1.09E-02
843	490286.72	3860685.12	0.04255	0.34677	0.0101	0.02427	1.59E-04	1.03E-02	6.45E-05	7.66E-05	1.06E-02	1.44E-04	1.05E-08	8.60E-07	2.09E-06	1.47E-04	1.84E-04	1.03E-02	6.45E-05	7.66E-05	1.07E-02
844	490336.72	3860685.12	0.04285	0.33949	0.0101	0.02403	1.60E-04	1.01E-02	6.47E-05	7.59E-05	1.04E-02	1.45E-04	1.03E-08	8.62E-07	2.07E-06	1.48E-04	1.85E-04	1.01E-02	6.47E-05	7.59E-05	1.05E-02
845	490386.72	3860685.12	0.04309	0.33225	0.0102	0.02376	1.61E-04	9.91E-03	6.47E-05	7.50E-05	1.02E-02	1.46E-04	1.00E-08	8.63E-07	2.05E-06	1.49E-04	1.86E-04	9.91E-03	6.47E-05	7.50E-05	1.02E-02
846	490436.72	3860685.12	0.04327	0.3251	0.0102	0.02345	1.61E-04	9.70E-03	6.47E-05	7.40E-05	1.00E-02	1.47E-04	9.82E-09	8.63E-07	2.02E-06	1.50E-04	1.87E-04	9.70E-03	6.47E-05	7.40E-05	1.00E-02
847	490486.72	3860685.12	0.04343	0.31826	0.0102	0.02315	1.62E-04	9.49E-03	6.47E-05	7.31E-05	9.79E-03	1.47E-04	9.61E-09	8.63E-07	1.99E-06	1.50E-04	1.87E-04	9.49E-03	6.47E-05	7.31E-05	9.82E-03
848	490536.72	3860685.12	0.04363	0.31202	0.0102	0.02291	1.63E-04	9.31E-03	6.50E-05	7.23E-05	9.61E-03	1.48E-04	9.42E-09	8.67E-07	1.97E-06	1.51E-04	1.88E-04	9.31E-03	6.50E-05	7.23E-05	9.63E-03
849	490586.72	3860685.12	0.04379	0.30602	0.0102	0.02267	1.63E-04	9.13E-03	6.53E-05	7.16E-05	9.43E-03	1.49E-04	9.24E-09	8.71E-07	1.95E-06	1.52E-04	1.89E-04	9.13E-03	6.53E-05	7.16E-05	9.46E-03
850	490636.72	3860685.12	0.04393	0.30035	0.0103	0.02244	1.64E-04	8.96E-03	6.58E-05	7.09E-05	9.26E-03	1.49E-04	9.07E-09	8.77E-07	1.93E-06	1.52E-04	1.90E-04	8.96E-03	6.58E-05	7.09E-05	9.29E-03

851	490686.72	3860685.12	0.04402	0.29494	0.0104	0.02223	1.64E-04	8.80E-03	6.63E-05	7.02E-05	9.10E-03	1.49E-04	8.91E-09	8.84E-07	1.91E-06	1.52E-04	1.90E-04	8.80E-03	6.63E-05	7.02E-05	9.13E-03
852	490736.72	3860685.12	0.044	0.28945	0.0105	0.02197	1.64E-04	8.64E-03	6.67E-05	6.94E-05	8.94E-03	1.49E-04	8.74E-09	8.90E-07	1.89E-06	1.52E-04	1.90E-04	8.64E-03	6.67E-05	6.94E-05	8.96E-03
853	490786.72	3860685.12	0.04402	0.28456	0.0106	0.02178	1.64E-04	8.49E-03	6.74E-05	6.88E-05	8.79E-03	1.49E-04	8.59E-09	8.99E-07	1.88E-06	1.52E-04	1.90E-04	8.49E-03	6.74E-05	6.88E-05	8.82E-03
854	490136.72	3860735.12	0.04109	0.34817	0.0099	0.02334	1.53E-04	1.04E-02	6.32E-05	7.37E-05	1.07E-02	1.40E-04	1.05E-08	8.43E-07	2.01E-06	1.42E-04	1.77E-04	1.04E-02	6.32E-05	7.37E-05	1.07E-02
855	490186.72	3860735.12	0.04117	0.3404	0.0099	0.02299	1.54E-04	1.02E-02	6.33E-05	7.26E-05	1.04E-02	1.40E-04	1.03E-08	8.45E-07	1.98E-06	1.43E-04	1.78E-04	1.02E-02	6.33E-05	7.26E-05	1.05E-02
856	490236.72	3860735.12	0.04132	0.33321	0.01	0.02269	1.54E-04	9.94E-03	6.35E-05	7.16E-05	1.02E-02	1.40E-04	1.01E-08	8.46E-07	1.95E-06	1.43E-04	1.78E-04	9.94E-03	6.35E-05	7.16E-05	1.03E-02
857	490286.72	3860735.12	0.04152	0.32645	0.01	0.02243	1.55E-04	9.74E-03	6.35E-05	7.08E-05	1.00E-02	1.41E-04	9.86E-09	8.47E-07	1.93E-06	1.44E-04	1.79E-04	9.74E-03	6.35E-05	7.08E-05	1.01E-02
858	490336.72	3860735.12	0.04173	0.3199	0.01	0.02218	1.56E-04	9.54E-03	6.36E-05	7.00E-05	9.83E-03	1.42E-04	9.66E-09	8.48E-07	1.91E-06	1.44E-04	1.80E-04	9.54E-03	6.36E-05	7.00E-05	9.86E-03
859	490386.72	3860735.12	0.04199	0.31384	0.01	0.02198	1.57E-04	9.36E-03	6.37E-05	6.94E-05	9.65E-03	1.43E-04	9.48E-09	8.49E-07	1.89E-06	1.45E-04	1.81E-04	9.36E-03	6.37E-05	6.94E-05	9.68E-03
860	490436.72	3860735.12	0.04234	0.30836	0.01	0.02186	1.58E-04	9.20E-03	6.40E-05	6.90E-05	9.49E-03	1.44E-04	9.31E-09	8.53E-07	1.88E-06	1.46E-04	1.83E-04	9.20E-03	6.40E-05	6.90E-05	9.52E-03
861	490486.72	3860735.12	0.04248	0.30224	0.01	0.02158	1.59E-04	9.02E-03	6.38E-05	6.81E-05	9.31E-03	1.44E-04	9.13E-09	8.51E-07	1.86E-06	1.47E-04	1.83E-04	9.02E-03	6.38E-05	6.81E-05	9.33E-03
862	490536.72	3860735.12	0.04255	0.29601	0.01	0.02128	1.59E-04	8.83E-03	6.37E-05	6.72E-05	9.12E-03	1.44E-04	8.94E-09	8.50E-07	1.83E-06	1.47E-04	1.84E-04	8.83E-03	6.37E-05	6.72E-05	9.15E-03
863	490586.72	3860735.12	0.04271	0.29057	0.01	0.02107	1.59E-04	8.67E-03	6.39E-05	6.65E-05	8.96E-03	1.45E-04	8.77E-09	8.52E-07	1.81E-06	1.48E-04	1.84E-04	8.67E-03	6.39E-05	6.65E-05	8.98E-03
864	490636.72	3860735.12	0.04286	0.28547	0.0101	0.02088	1.60E-04	8.52E-03	6.42E-05	6.59E-05	8.81E-03	1.46E-04	8.62E-09	8.56E-07	1.80E-06	1.48E-04	1.85E-04	8.52E-03	6.42E-05	6.59E-05	8.83E-03
865	490686.72	3860735.12	0.04304	0.28088	0.0101	0.02074	1.61E-04	8.38E-03	6.47E-05	6.55E-05	8.67E-03	1.46E-04	8.48E-09	8.62E-07	1.79E-06	1.49E-04	1.86E-04	8.38E-03	6.47E-05	6.55E-05	8.70E-03
866	490736.72	3860735.12	0.04317	0.27641	0.0102	0.02059	1.61E-04	8.25E-03	6.52E-05	6.50E-05	8.54E-03	1.47E-04	8.35E-09	8.69E-07	1.77E-06	1.49E-04	1.86E-04	8.25E-03	6.52E-05	6.50E-05	8.56E-03
867	490136.72	3860785.12	0.04004	0.32358	0.0097	0.02144	1.49E-04	9.65E-03	6.18E-05	6.77E-05	9.93E-03	1.36E-04	9.77E-09	8.24E-07	1.85E-06	1.39E-04	1.73E-04	9.65E-03	6.18E-05	6.77E-05	9.96E-03
868	490186.72	3860785.12	0.04015	0.31761	0.0097	0.02118	1.50E-04	9.48E-03	6.21E-05	6.69E-05	9.75E-03	1.36E-04	9.59E-09	8.28E-07	1.82E-06	1.39E-04	1.73E-04	9.48E-03	6.21E-05	6.69E-05	9.78E-03
869	490236.72	3860785.12	0.04028	0.31171	0.0098	0.02094	1.50E-04	9.30E-03	6.23E-05	6.61E-05	9.58E-03	1.37E-04	9.41E-09	8.31E-07	1.80E-06	1.39E-04	1.74E-04	9.30E-03	6.23E-05	6.61E-05	9.60E-03
870	490286.72	3860785.12	0.04045	0.30607	0.0098	0.02071	1.51E-04	9.13E-03	6.24E-05	6.54E-05	9.41E-03	1.37E-04	9.24E-09	8.33E-07	1.78E-06	1.40E-04	1.75E-04	9.13E-03	6.24E-05	6.54E-05	9.43E-03
871	490336.72	3860785.12	0.04063	0.30055	0.0098	0.02049	1.52E-04	8.97E-03	6.25E-05	6.47E-05	9.25E-03	1.38E-04	9.08E-09	8.33E-07	1.76E-06	1.41E-04	1.75E-04	8.97E-03	6.25E-05	6.47E-05	9.27E-03
872	490386.72	3860785.12	0.04092	0.29572	0.0098	0.02035	1.53E-04	8.82E-03	6.27E-05	6.43E-05	9.10E-03	1.39E-04	8.93E-09	8.36E-07	1.75E-06	1.42E-04	1.77E-04	8.82E-03	6.27E-05	6.43E-05	9.13E-03
873	490436.72	3860785.12	0.04113	0.29054	0.0098	0.02016	1.53E-04	8.67E-03	6.27E-05	6.37E-05	8.95E-03	1.40E-04	8.77E-09	8.36E-07	1.74E-06	1.42E-04	1.77E-04	8.67E-03	6.27E-05	6.37E-05	8.97E-03
874	490486.72	3860785.12	0.04143	0.28591	0.0099	0.02004	1.55E-04	8.53E-03	6.28E-05	6.33E-05	8.81E-03	1.41E-04	8.63E-09	8.38E-07	1.73E-06	1.43E-04	1.79E-04	8.53E-03	6.28E-05	6.33E-05	8.83E-03
875	490536.72	3860785.12	0.04158	0.28078	0.0098	0.01983	1.55E-04	8.38E-03	6.28E-05	6.26E-05	8.66E-03	1.41E-04	8.48E-09	8.37E-07	1.71E-06	1.44E-04	1.79E-04	8.38E-03	6.28E-05	6.26E-05	8.68E-03
876	490586.72	3860785.12	0.04166	0.27546	0.0098	0.01959	1.55E-04	8.22E-03	6.26E-05	6.19E-05	8.50E-03	1.41E-04	8.32E-09	8.35E-07	1.69E-06	1.44E-04	1.80E-04	8.22E-03	6.26E-05	6.19E-05	8.52E-03
877	490636.72	3860785.12	0.04182	0.27085	0.0099	0.01943	1.56E-04	8.08E-03	6.28E-05	6.13E-05	8.36E-03	1.42E-04	8.18E-09	8.38E-07	1.67E-06	1.44E-04	1.80E-04	8.08E-03	6.28E-05	6.13E-05	8.39E-03
878	490686.72	3860785.12	0.042	0.2667	0.0099	0.0193	1.57E-04	7.96E-03	6.31E-05	6.09E-05	8.24E-03	1.43E-04	8.05E-09	8.42E-07	1.66E-06	1.45E-04	1.81E-04	7.96E-03	6.31E-05	6.09E-05	8.26E-03
879	490736.72	3860785.12	0.04218	0.2629	0.01	0.0192	1.57E-04	7.84E-03	6.36E-05	6.06E-05	8.12E-03	1.43E-04	7.94E-09	8.48E-07	1.65E-06	1.46E-04	1.82E-04	7.84E-03	6.36E-05	6.06E-05	8.15E-03
880	490086.72	3860835.12	0.03908	0.30549	0.0094	0.01998	1.46E-04	9.11E-03	5.99E-05	6.31E-05	9.38E-03	1.33E-04	9.23E-09	7.99E-07	1.72E-06	1.35E-04	1.69E-04	9.11E-03	5.99E-05	6.31E-05	9.41E-03
881	490136.72	3860835.12	0.03919	0.30107	0.0095	0.01982	1.46E-04	8.98E-03	6.06E-05	6.26E-05	9.25E-03	1.33E-04	9.09E-09	8.08E-07	1.71E-06	1.36E-04	1.69E-04	8.98E-03	6.06E-05	6.26E-05	9.27E-03
882	490186.72	3860835.12	0.03924	0.29599	0.0096	0.0196	1.46E-04	8.83E-03	6.10E-05	6.19E-05	9.10E-03	1.33E-04	8.94E-09	8.13E-07	1.69E-06	1.36E-04	1.69E-04	8.83E-03	6.10E-05	6.19E-05	9.12E-03
883	490236.72	3860835.12	0.03933	0.29114	0.0096	0.01939	1.47E-04	8.69E-03	6.12E-05	6.12E-05	8.95E-03	1.34E-04	8.79E-09	8.16E-07	1.67E-06	1.36E-04	1.70E-04	8.69E-03	6.12E-05	6.12E-05	8.98E-03
884	490286.72	3860835.12	0.03948	0.28663	0.0096	0.01921	1.47E-04	8.55E-03	6.15E-05	6.07E-05	8.82E-03	1.34E-04	8.66E-09	8.20E-07	1.65E-06	1.37E-04	1.70E-04	8.55E-03	6.15E-05	6.07E-05	8.84E-03
885	490336.72	3860835.12	0.03963	0.28196	0.0097	0.01901	1.48E-04	8.41E-03	6.16E-05	6.00E-05	8.68E-03	1.35E-04	8.51E-09	8.21E-07	1.64E-06	1.37E-04	1.71E-04	8.41E-03	6.16E-05	6.00E-05	8.70E-03
886	490386.72	3860835.12	0.03981	0.27752	0.0097	0.01884	1.49E-04	8.28E-03	6.16E-05	5.95E-05	8.55E-03	1.35E-04	8.38E-09	8.21E-07	1.62E-06	1.38E-04	1.72E-04	8.28E-03	6.16E-05	5.95E-05	8.57E-03
887	490436.72	3860835.12	0.04006	0.27351	0.0097	0.0187	1.49E-04	8.16E-03	6.17E-05	5.90E-05	8.43E-03	1.36E-04	8.26E-09	8.22E-07	1.61E-06	1.38E-04	1.73E-04	8.16E-03	6.17E-05	5.90E-05	8.45E-03
888	490486.72	3860835.12	0.0403	0.26945	0.0097	0.01857	1.50E-04	8.04E-03	6.17E-05	5.86E-05	8.31E-03	1.37E-04	8.14E-09	8.23E-07	1.60E-06	1.39E-04	1.74E-04	8.04E-03	6.17E-05	5.86E-05	8.33E-03
889	490536.72	3860835.12	0.04051	0.26529	0.0097	0.01843	1.51E-04	7.91E-03	6.17E-05	5.82E-05	8.19E-03	1.38E-04	8.01E-09	8.23E-07	1.59E-06	1.40E-04	1.75E-04	7.91E-03	6.17E-05	5.82E-05	8.21E-03
890	490586.72	3860835.12	0.04067	0.26099	0.0097	0.01826	1.52E-04	7.79E-03	6.17E-05	5.77E-05	8.06E-03	1.38E-04	7.88E-09	8.22E-07	1.57E-06	1.40E-04	1.75E-04	7.79E-03	6.17E-05	5.77E-05	8.08E-03
891	490636.72	3860835.12	0.04083	0.25683	0.0097	0.01811	1.52E-04	7.66E-03	6.17E-05	5.72E-05	7.93E-03	1.39E-04	7.76E-09	8.22E-07	1.56E-06	1.41E-04	1.76E-04	7.66E-03	6.17E-05	5.72E-05	7.96E-03
892	490686.72	3860835.12	0.04102	0.25313	0.0097	0.018	1.53E-04	7.55E-03	6.19E-05	5.68E-05	7.82E-03	1.39E-04	7.64E-09	8.25E-07	1.55E-06	1.42E-04	1.77E-04	7.55E-03	6.19E-05	5.68E-05	7.85E-03
893	490736.72	3860835.12	0.04123	0.24981	0.0098	0.01792	1.54E-04	7.45E-03	6.23E-05	5.66E-05	7.73E-03	1.40E-04	7.54E-09	8.30E-07	1.54E-06	1.42E-04	1.78E-04	7.45E-03	6.23E-05	5.66E-05	7.75E-03
894	490086.72	3860885.12	0.03832	0.28325	0.0092	0.01846	1.43E-04	8.45E-03	5.86E-05	5.83E-05	8.71E-03	1.30E-04	8.55E-09	7.82E-07	1.59E-06	1.32E-04	1.65E-04	8.45E-03	5.86E-05	5.83E-05	8.73E-03
895	490136.72	3860885.12	0.03836	0.27952	0.0093	0.01833	1.43E-04	8.34E-03	5.93E-05	5.79E-05	8.60E-03	1.30E-04	8.44E-09	7.91E-07	1.58E-06	1.33E-04	1.66E-04	8.34E-03	5.93E-05	5.79E-05	8.62E-03
896	490186.72	3860885.12	0.0384	0.27564	0.0094	0.01817	1.43E-04	8.22E-03	5.98E-05	5.74E-05	8.48E-03	1.30E-04	8.32E-09	7.98E-07	1.56E-06	1.33E-04	1.66E-04	8.22E-03	5.98E-05	5.74E-05	8.51E-03
897	490236.72	3860885.12	0.03847	0.27185	0.0094	0.01802	1.44E-04	8.11E-03	6.02E-05	5.69E-05	8.37E-03	1.31E-04	8.21E-09	8.03E-07	1.55E-06	1.33E-04	1.66E-04	8.11E-03	6.02E-05	5.69E-05	8.39E-03
898	490286.72	3860885.12	0.03857	0.26806	0.0095	0.01786	1.44E-04	8.00E-03	6.05E-05	5.64E-05	8.26E-03	1.31E-04	8.09E-09	8.06E-07	1.54E-06	1.33E-04	1.66E-04	8.00E-03	6.05E-05	5.64E-05	8.28E-03
899	490336.72	3860885.12	0.03868	0.26418	0.0095	0.0177	1.44E-04	7.88E-03	6.06E-05	5.59E-05	8.14E-03	1.31E-04	7.98E-09	8.08E-07	1.52E-06	1.34E-04	1.67E-04	7.88E-03	6.06E-05	5.59E-05	8.16E-03
900	490386.72	3860885.12	0.03886	0.26069	0.0095	0.01756	1.45E-04	7.78E-03	6.07E-05	5.54E-05	8.04E-03	1.32E-04	7.87E-09	8.10E-07	1.51E-06	1.34E-04	1.68E-04	7.78E-03	6.07E-05	5.54E-05	8.06E-03
901	490436.72	3860885.12	0.03908	0.25734	0.0095	0.01744	1.46E-04	7.68E-03	6.08E-05	5.51E-05	7.94E-03	1.33E-04	7.77E-09	8.10E-07	1.50E-06	1.35E-04	1.69E-04	7.68E-03	6.08E-05	5.51E-05	7.96E-03
902	490486.72	3860885.12	0.03929	0.25386	0.0095	0.01731	1.47E-04	7.57E-03	6.08E-05	5.47E-05	7.84E-03	1.33E-04	7.67E-09	8.10E-07	1.49E-06	1.36E-04	1.70E-04	7.57E-03	6.08E-05	5.47E-05	7.86E-03
903	490536.72	3860885.12	0.03949	0.25033	0.0095	0.01718	1.47E-04	7.47E-03	6.08E-05	5.42E-05	7.73E-03	1.34E-04	7.56E-09	8.10E-07	1.48E-06	1.36E-04	1.70E-04	7.47E-03	6.08E-05	5.42E-05	7.75E-03
904	490586.72	3860885.12	0.03967	0.24675	0.0095	0.01705	1.48E-04	7.36E-03	6.07E-05	5.38E-05	7.62E-03	1.35E-04	7.45E-09	8.10E-07	1.47E-06	1.37E-04	1.71E-04	7.36E-03	6.07E-05	5.38E-05	7.65E-03
905	490636.72	3860885.12	0.03984	0.24318	0.0095	0.01692	1.49E-04	7.25E-03	6.07E-05	5.34E-05	7.52E-03	1.35E-04	7.34E-09	8.09E-07	1.46E-06	1.38E-04	1.72E-04	7.25E-03	6.07E-05	5.34E-05	7.54E-03
906	490686.72	3860885.12	0.04003	0.23987	0.0095	0.01682	1.49E-04	7.16E-03	6.07E-05	5.31E-05	7.42E-03	1.36E-04	7.24E-09	8.10E-07	1.45E-06	1.38E-04	1.73E-04	7.16E-03	6.07E-05	5.31E-05	7.44E-03
907	490736.72	3860885.12	0.04021	0.23674	0.0096	0.01673	1.50E-04	7.06E-03	6.09E-05	5.28E-05	7.33E-03	1.37E-04	7.15E-09	8.12E-07	1.44E-06	1.39E-04	1.74E-04	7.06E-03	6.09E-05	5.28E-05	7.35E-03
908	490086.72	3860935.12	0.03753	0.26209	0.009	0.01705	1.40E-04	7.82E-03	5.72E-05	5.38E-05	8.07E-03	1.27E-04	7.91E-09	7.62E-07	1.47E-06	1.30E-04	1.62E-04	7.82E-03	5.72E-05	5.38E-05	8.09E-03
909	490136.72	3860935.12	0.03751	0.25896	0.0091	0.01694	1.40E-04	7.73E-03	5.79E-05	5.35E-05	7.98E-03	1.27E-04	7.82E-09	7.72E-07	1.46E-06	1.30E-04	1.62E-04	7.73E-03	5.79E-05	5.35E-05	8.00E-03
910	490186.72	3860935.12	0.03757	0.2563	0.0092	0.01685	1.40E-04	7.65E-03	5.86E-05	5.32E-05	7.90E-03	1.28E-04	7.74E-09	7.82E-07	1.45E-06	1.30E-04	1.62E-04	7.65E-03	5.86E-05	5.32E-05	7.92E-03
911	490236.72	3860935.12	0.03764	0.25349	0.0093	0.01676	1.40E-04	7.56E-03	5.91E-05	5.29E-05	7.81E-03	1.28E-04	7.65E-09	7.88E-07	1.44E-06	1.30E-04	1.62E-04	7.56E-03	5.91E-05	5.29E-05	7.84E-03

912	490286.72	3860935.12	0.03773	0.25066	0.0093	0.01666	1.41E-04	7.48E-03	5.95E-05	5.26E-05	7.73E-03	1.28E-04	7.57E-09	7.93E-07	1.43E-06	1.30E-04	1.63E-04	7.48E-03	5.95E-05	5.26E-05	7.75E-03
913	490336.72	3860935.12	0.03781	0.24749	0.0094	0.01652	1.41E-04	7.38E-03	5.96E-05	5.22E-05	7.64E-03	1.28E-04	7.47E-09	7.95E-07	1.42E-06	1.31E-04	1.63E-04	7.38E-03	5.96E-05	5.22E-05	7.66E-03
914	490386.72	3860935.12	0.03797	0.24475	0.0094	0.01642	1.42E-04	7.30E-03	5.98E-05	5.18E-05	7.56E-03	1.29E-04	7.39E-09	7.98E-07	1.41E-06	1.31E-04	1.64E-04	7.30E-03	5.98E-05	5.18E-05	7.58E-03
915	490436.72	3860935.12	0.03816	0.24199	0.0094	0.01632	1.42E-04	7.22E-03	6.00E-05	5.15E-05	7.47E-03	1.30E-04	7.31E-09	7.99E-07	1.41E-06	1.32E-04	1.65E-04	7.22E-03	6.00E-05	5.15E-05	7.50E-03
916	490486.72	3860935.12	0.03833	0.23901	0.0094	0.0162	1.43E-04	7.13E-03	5.99E-05	5.11E-05	7.38E-03	1.30E-04	7.22E-09	7.99E-07	1.39E-06	1.32E-04	1.65E-04	7.13E-03	5.99E-05	5.11E-05	7.41E-03
917	490536.72	3860935.12	0.03853	0.23612	0.0094	0.01609	1.44E-04	7.04E-03	5.99E-05	5.08E-05	7.30E-03	1.31E-04	7.13E-09	7.99E-07	1.39E-06	1.33E-04	1.66E-04	7.04E-03	5.99E-05	5.08E-05	7.32E-03
918	490586.72	3860935.12	0.03871	0.23308	0.0094	0.01598	1.44E-04	6.95E-03	5.98E-05	5.05E-05	7.21E-03	1.31E-04	7.04E-09	7.98E-07	1.38E-06	1.34E-04	1.67E-04	6.95E-03	5.98E-05	5.05E-05	7.23E-03
919	490636.72	3860935.12	0.03888	0.23005	0.0094	0.01586	1.45E-04	6.86E-03	5.98E-05	5.01E-05	7.12E-03	1.32E-04	6.95E-09	7.97E-07	1.37E-06	1.34E-04	1.68E-04	6.86E-03	5.98E-05	5.01E-05	7.14E-03
920	490686.72	3860935.12	0.03907	0.22719	0.0094	0.01577	1.46E-04	6.78E-03	5.98E-05	4.98E-05	7.03E-03	1.33E-04	6.86E-09	7.97E-07	1.36E-06	1.35E-04	1.69E-04	6.78E-03	5.98E-05	4.98E-05	7.06E-03
921	490736.72	3860935.12	0.03925	0.2244	0.0094	0.01568	1.46E-04	6.69E-03	5.98E-05	4.95E-05	6.95E-03	1.33E-04	6.78E-09	7.98E-07	1.35E-06	1.35E-04	1.69E-04	6.69E-03	5.98E-05	4.95E-05	6.97E-03
922	490786.72	3860935.12	0.03943	0.22174	0.0094	0.01561	1.47E-04	6.62E-03	6.00E-05	4.93E-05	6.87E-03	1.34E-04	6.70E-09	8.00E-07	1.34E-06	1.36E-04	1.70E-04	6.62E-03	6.00E-05	4.93E-05	6.89E-03
923	490836.72	3860935.12	0.03963	0.21943	0.0095	0.01556	1.48E-04	6.55E-03	6.03E-05	4.91E-05	6.80E-03	1.35E-04	6.63E-09	8.04E-07	1.34E-06	1.37E-04	1.71E-04	6.55E-03	6.03E-05	4.91E-05	6.83E-03
924	490086.72	3860985.12	0.03682	0.24302	0.0087	0.01579	1.37E-04	7.25E-03	5.57E-05	4.99E-05	7.49E-03	1.25E-04	7.34E-09	7.43E-07	1.36E-06	1.27E-04	1.59E-04	7.25E-03	5.57E-05	4.99E-05	7.51E-03
925	490136.72	3860985.12	0.03682	0.24089	0.0089	0.01573	1.37E-04	7.19E-03	5.67E-05	4.97E-05	7.43E-03	1.25E-04	7.27E-09	7.56E-07	1.35E-06	1.27E-04	1.59E-04	7.19E-03	5.67E-05	4.97E-05	7.45E-03
926	490186.72	3860985.12	0.03687	0.23896	0.009	0.01568	1.38E-04	7.13E-03	5.75E-05	4.95E-05	7.37E-03	1.25E-04	7.22E-09	7.67E-07	1.35E-06	1.27E-04	1.59E-04	7.13E-03	5.75E-05	4.95E-05	7.40E-03
927	490236.72	3860985.12	0.03687	0.23647	0.0091	0.0156	1.38E-04	7.05E-03	5.80E-05	4.93E-05	7.30E-03	1.25E-04	7.14E-09	7.74E-07	1.34E-06	1.27E-04	1.59E-04	7.05E-03	5.80E-05	4.93E-05	7.32E-03
928	490286.72	3860985.12	0.03692	0.23413	0.0092	0.01552	1.38E-04	6.98E-03	5.84E-05	4.90E-05	7.23E-03	1.25E-04	7.07E-09	7.79E-07	1.34E-06	1.27E-04	1.59E-04	6.98E-03	5.84E-05	4.90E-05	7.25E-03
929	490336.72	3860985.12	0.03699	0.23181	0.0092	0.01545	1.38E-04	6.92E-03	5.87E-05	4.88E-05	7.16E-03	1.26E-04	7.00E-09	7.82E-07	1.33E-06	1.28E-04	1.60E-04	6.92E-03	5.87E-05	4.88E-05	7.18E-03
930	490386.72	3860985.12	0.03711	0.22956	0.0092	0.01537	1.38E-04	6.85E-03	5.89E-05	4.85E-05	7.09E-03	1.26E-04	6.93E-09	7.86E-07	1.32E-06	1.28E-04	1.60E-04	6.85E-03	5.89E-05	4.85E-05	7.12E-03
931	490436.72	3860985.12	0.0373	0.22753	0.0093	0.01531	1.39E-04	6.79E-03	5.91E-05	4.83E-05	7.03E-03	1.27E-04	6.87E-09	7.88E-07	1.32E-06	1.29E-04	1.61E-04	6.79E-03	5.91E-05	4.83E-05	7.06E-03
932	490486.72	3860985.12	0.03744	0.22506	0.0093	0.01521	1.40E-04	6.71E-03	5.91E-05	4.80E-05	6.96E-03	1.27E-04	6.80E-09	7.88E-07	1.31E-06	1.29E-04	1.62E-04	6.71E-03	5.91E-05	4.80E-05	6.98E-03
933	490536.72	3860985.12	0.03759	0.2225	0.0093	0.01511	1.40E-04	6.64E-03	5.91E-05	4.77E-05	6.88E-03	1.28E-04	6.72E-09	7.88E-07	1.30E-06	1.30E-04	1.62E-04	6.64E-03	5.91E-05	4.77E-05	6.91E-03
934	490586.72	3860985.12	0.03776	0.21997	0.0093	0.01501	1.41E-04	6.56E-03	5.90E-05	4.74E-05	6.81E-03	1.28E-04	6.64E-09	7.87E-07	1.29E-06	1.30E-04	1.63E-04	6.56E-03	5.90E-05	4.74E-05	6.83E-03
935	490636.72	3860985.12	0.03796	0.2176	0.0093	0.01492	1.42E-04	6.49E-03	5.90E-05	4.71E-05	6.74E-03	1.29E-04	6.57E-09	7.87E-07	1.28E-06	1.31E-04	1.64E-04	6.49E-03	5.90E-05	4.71E-05	6.76E-03
936	490686.72	3860985.12	0.03814	0.21507	0.0092	0.01483	1.42E-04	6.42E-03	5.89E-05	4.68E-05	6.66E-03	1.29E-04	6.49E-09	7.86E-07	1.28E-06	1.32E-04	1.65E-04	6.42E-03	5.89E-05	4.68E-05	6.69E-03
937	490736.72	3860985.12	0.03831	0.21258	0.0092	0.01475	1.43E-04	6.34E-03	5.89E-05	4.66E-05	6.59E-03	1.30E-04	6.42E-09	7.85E-07	1.27E-06	1.32E-04	1.65E-04	6.34E-03	5.89E-05	4.66E-05	6.61E-03
938	490786.72	3860985.12	0.03851	0.2103	0.0092	0.01468	1.44E-04	6.27E-03	5.89E-05	4.64E-05	6.52E-03	1.31E-04	6.35E-09	7.86E-07	1.26E-06	1.33E-04	1.66E-04	6.27E-03	5.89E-05	4.64E-05	6.55E-03
939	490836.72	3860985.12	0.03871	0.20824	0.0093	0.01463	1.44E-04	6.21E-03	5.91E-05	4.62E-05	6.46E-03	1.31E-04	6.29E-09	7.88E-07	1.26E-06	1.33E-04	1.67E-04	6.21E-03	5.91E-05	4.62E-05	6.48E-03
940	490086.72	3861035.12	0.03612	0.22552	0.0085	0.01468	1.35E-04	6.73E-03	5.43E-05	4.64E-05	6.96E-03	1.23E-04	6.81E-09	7.24E-07	1.26E-06	1.25E-04	1.56E-04	6.73E-03	5.43E-05	4.64E-05	6.98E-03
941	490136.72	3861035.12	0.03614	0.22406	0.0087	0.01463	1.35E-04	6.68E-03	5.54E-05	4.62E-05	6.92E-03	1.23E-04	6.77E-09	7.38E-07	1.26E-06	1.25E-04	1.56E-04	6.68E-03	5.54E-05	4.62E-05	6.94E-03
942	490186.72	3861035.12	0.03614	0.22243	0.0088	0.01459	1.35E-04	6.64E-03	5.62E-05	4.61E-05	6.87E-03	1.23E-04	6.72E-09	7.49E-07	1.26E-06	1.25E-04	1.56E-04	6.64E-03	5.62E-05	4.61E-05	6.89E-03
943	490236.72	3861035.12	0.03617	0.22088	0.0089	0.01456	1.35E-04	6.59E-03	5.69E-05	4.60E-05	6.83E-03	1.23E-04	6.67E-09	7.59E-07	1.25E-06	1.25E-04	1.56E-04	6.59E-03	5.69E-05	4.60E-05	6.85E-03
944	490286.72	3861035.12	0.03618	0.21894	0.009	0.0145	1.35E-04	6.53E-03	5.74E-05	4.58E-05	6.77E-03	1.23E-04	6.61E-09	7.65E-07	1.25E-06	1.25E-04	1.56E-04	6.53E-03	5.74E-05	4.58E-05	6.79E-03
945	490336.72	3861035.12	0.03621	0.21705	0.0091	0.01444	1.35E-04	6.48E-03	5.77E-05	4.56E-05	6.71E-03	1.23E-04	6.55E-09	7.70E-07	1.24E-06	1.25E-04	1.56E-04	6.48E-03	5.77E-05	4.56E-05	6.73E-03
946	490386.72	3861035.12	0.03634	0.21553	0.0091	0.01441	1.36E-04	6.43E-03	5.80E-05	4.55E-05	6.67E-03	1.23E-04	6.51E-09	7.74E-07	1.24E-06	1.25E-04	1.57E-04	6.43E-03	5.80E-05	4.55E-05	6.69E-03
947	490436.72	3861035.12	0.03649	0.21394	0.0091	0.01437	1.36E-04	6.38E-03	5.83E-05	4.54E-05	6.62E-03	1.24E-04	6.46E-09	7.77E-07	1.24E-06	1.26E-04	1.57E-04	6.38E-03	5.83E-05	4.54E-05	6.64E-03
948	490486.72	3861035.12	0.03661	0.21199	0.0092	0.0143	1.37E-04	6.32E-03	5.84E-05	4.52E-05	6.56E-03	1.24E-04	6.40E-09	7.78E-07	1.23E-06	1.26E-04	1.58E-04	6.32E-03	5.84E-05	4.52E-05	6.59E-03
949	490536.72	3861035.12	0.03674	0.2099	0.0091	0.01422	1.37E-04	6.26E-03	5.83E-05	4.49E-05	6.50E-03	1.25E-04	6.34E-09	7.77E-07	1.22E-06	1.27E-04	1.59E-04	6.26E-03	5.83E-05	4.49E-05	6.52E-03
950	490586.72	3861035.12	0.03688	0.20776	0.0091	0.01414	1.38E-04	6.20E-03	5.82E-05	4.46E-05	6.44E-03	1.25E-04	6.27E-09	7.76E-07	1.22E-06	1.27E-04	1.59E-04	6.20E-03	5.82E-05	4.46E-05	6.46E-03
951	490636.72	3861035.12	0.03704	0.2056	0.0091	0.01406	1.38E-04	6.13E-03	5.82E-05	4.44E-05	6.37E-03	1.26E-04	6.21E-09	7.76E-07	1.21E-06	1.28E-04	1.60E-04	6.13E-03	5.82E-05	4.44E-05	6.40E-03
952	490686.72	3861035.12	0.03721	0.20346	0.0091	0.01398	1.39E-04	6.07E-03	5.81E-05	4.41E-05	6.31E-03	1.26E-04	6.14E-09	7.75E-07	1.20E-06	1.28E-04	1.61E-04	6.07E-03	5.81E-05	4.41E-05	6.33E-03
953	490736.72	3861035.12	0.0374	0.20137	0.0091	0.01391	1.40E-04	6.01E-03	5.80E-05	4.39E-05	6.25E-03	1.27E-04	6.08E-09	7.74E-07	1.20E-06	1.29E-04	1.61E-04	6.01E-03	5.80E-05	4.39E-05	6.27E-03
954	490786.72	3861035.12	0.0376	0.19946	0.0091	0.01385	1.40E-04	5.95E-03	5.80E-05	4.37E-05	6.19E-03	1.28E-04	6.02E-09	7.74E-07	1.19E-06	1.30E-04	1.62E-04	5.95E-03	5.80E-05	4.37E-05	6.21E-03
955	490836.72	3861035.12	0.03781	0.19763	0.0091	0.01381	1.41E-04	5.90E-03	5.82E-05	4.36E-05	6.14E-03	1.28E-04	5.97E-09	7.76E-07	1.19E-06	1.30E-04	1.63E-04	5.90E-03	5.82E-05	4.36E-05	6.16E-03
956	490086.72	3861085.12	0.03546	0.20971	0.0083	0.0137	1.32E-04	6.26E-03	5.29E-05	4.33E-05	6.48E-03	1.20E-04	6.33E-09	7.05E-07	1.18E-06	1.22E-04	1.53E-04	6.26E-03	5.29E-05	4.33E-05	6.51E-03
957	490136.72	3861085.12	0.03551	0.20891	0.0085	0.01368	1.33E-04	6.23E-03	5.40E-05	4.32E-05	6.46E-03	1.21E-04	6.31E-09	7.20E-07	1.18E-06	1.22E-04	1.53E-04	6.23E-03	5.40E-05	4.32E-05	6.48E-03
958	490186.72	3861085.12	0.03556	0.20809	0.0086	0.01367	1.33E-04	6.21E-03	5.51E-05	4.32E-05	6.44E-03	1.21E-04	6.28E-09	7.35E-07	1.18E-06	1.23E-04	1.53E-04	6.21E-03	5.51E-05	4.32E-05	6.46E-03
959	490236.72	3861085.12	0.03553	0.20661	0.0088	0.01362	1.33E-04	6.16E-03	5.58E-05	4.30E-05	6.40E-03	1.21E-04	6.24E-09	7.44E-07	1.17E-06	1.23E-04	1.53E-04	6.16E-03	5.58E-05	4.30E-05	6.42E-03
960	490286.72	3861085.12	0.03552	0.20515	0.0088	0.01359	1.33E-04	6.12E-03	5.64E-05	4.29E-05	6.35E-03	1.21E-04	6.20E-09	7.52E-07	1.17E-06	1.23E-04	1.53E-04	6.12E-03	5.64E-05	4.29E-05	6.37E-03
961	490336.72	3861085.12	0.03553	0.20364	0.0089	0.01354	1.33E-04	6.08E-03	5.68E-05	4.28E-05	6.31E-03	1.21E-04	6.15E-09	7.57E-07	1.17E-06	1.23E-04	1.53E-04	6.08E-03	5.68E-05	4.28E-05	6.33E-03
962	490386.72	3861085.12	0.03562	0.20247	0.009	0.01353	1.33E-04	6.04E-03	5.72E-05	4.27E-05	6.27E-03	1.21E-04	6.11E-09	7.62E-07	1.17E-06	1.23E-04	1.54E-04	6.04E-03	5.72E-05	4.27E-05	6.29E-03
963	490436.72	3861085.12	0.0357	0.20104	0.009	0.01349	1.33E-04	6.00E-03	5.73E-05	4.26E-05	6.23E-03	1.21E-04	6.07E-09	7.65E-07	1.16E-06	1.23E-04	1.54E-04	6.00E-03	5.73E-05	4.26E-05	6.25E-03
964	490486.72	3861085.12	0.0358	0.19953	0.009	0.01345	1.34E-04	5.95E-03	5.75E-05	4.25E-05	6.19E-03	1.22E-04	6.03E-09	7.66E-07	1.16E-06	1.23E-04	1.54E-04	5.95E-03	5.75E-05	4.25E-05	6.21E-03
965	490536.72	3861085.12	0.03595	0.19811	0.009	0.01341	1.34E-04	5.91E-03	5.76E-05	4.23E-05	6.14E-03	1.22E-04	5.98E-09	7.68E-07	1.15E-06	1.24E-04	1.55E-04	5.91E-03	5.76E-05	4.23E-05	6.17E-03
966	490586.72	3861085.12	0.03606	0.1963	0.009	0.01335	1.35E-04	5.86E-03	5.75E-05	4.22E-05	6.09E-03	1.22E-04	5.93E-09	7.67E-07	1.15E-06	1.24E-04	1.56E-04	5.86E-03	5.75E-05	4.22E-05	6.11E-03
967	490636.72	3861085.12	0.03617	0.19433	0.009	0.01327	1.35E-04	5.80E-03	5.74E-05	4.19E-05	6.03E-03	1.23E-04	5.87E-09	7.65E-07	1.14E-06	1.25E-04	1.56E-04	5.80E-03	5.74E-05	4.19E-05	6.05E-03
968	490686.72	3861085.12	0.03632	0.19251	0.009	0.01321	1.36E-04	5.74E-03	5.73E-05	4.17E-05	5.98E-03	1.23E-04	5.81E-09	7.65E-07	1.14E-06	1.25E-04	1.57E-04	5.74E-03	5.73E-05	4.17E-05	6.00E-03
969	490736.72	3861085.12	0.03651	0.19082	0.009	0.01315	1.36E-04	5.69E-03	5.73E-05	4.15E-05	5.93E-03	1.24E-04	5.76E-09	7.64E-07	1.13E-06	1.26E-04	1.58E-04	5.69E-03	5.73E-05	4.15E-05	5.95E-03
970	490786.72	3861085.12	0.03671	0.18916	0.009	0.0131	1.37E-04	5.64E-03	5.72E-05	4.14E-05	5.88E-03	1.25E-04	5.71E-09	7.63E-07	1.13E-06	1.27E-04	1.58E-04	5.64E-03	5.72E-05	4.14E-05	5.90E-03
971	490836.72	3861085.12	0.03691	0.18753	0.009	0.01305	1.38E-04	5.59E-03	5.73E-05	4.12E-05	5.83E-03	1.25E-04	5.66E-09	7.64E-07	1.12E-06	1.27E-04	1.59E-04	5.59E-03	5.73E-05	4.12E-05	5.85E-03
972	490086.72	3861135.12	0.03481	0.19543	0.0081	0.01284	1.30E-04	5.83E-03	5.13E-05	4.05E-05	6.05E-03	1.18E-04	5.90E-09	6.85E-07	1.11E-06	1.20E-04	1.50E-04	5.83E-03	5.13E-05	4.05E-05	6.07E-03

973	490136.72	3861135.12	0.03484	0.1948	0.0083	0.01282	1.30E-04	5.81E-03	5.26E-05	4.05E-05	6.03E-03	1.18E-04	5.88E-09	7.02E-07	1.10E-06	1.20E-04	1.50E-04	5.81E-03	5.26E-05	4.05E-05	6.05E-03
974	490186.72	3861135.12	0.03488	0.1942	0.0084	0.01281	1.30E-04	5.79E-03	5.37E-05	4.04E-05	6.02E-03	1.18E-04	5.86E-09	7.16E-07	1.10E-06	1.20E-04	1.51E-04	5.79E-03	5.37E-05	4.04E-05	6.04E-03
975	490236.72	3861135.12	0.03491	0.19342	0.0086	0.01279	1.30E-04	5.77E-03	5.46E-05	4.04E-05	6.00E-03	1.19E-04	5.84E-09	7.28E-07	1.10E-06	1.20E-04	1.51E-04	5.77E-03	5.46E-05	4.04E-05	6.02E-03
976	490286.72	3861135.12	0.03491	0.19244	0.0087	0.01277	1.30E-04	5.74E-03	5.53E-05	4.03E-05	5.97E-03	1.19E-04	5.81E-09	7.37E-07	1.10E-06	1.20E-04	1.51E-04	5.74E-03	5.53E-05	4.03E-05	5.99E-03
977	490336.72	3861135.12	0.0349	0.1913	0.0088	0.01274	1.30E-04	5.71E-03	5.58E-05	4.02E-05	5.93E-03	1.18E-04	5.78E-09	7.44E-07	1.10E-06	1.20E-04	1.51E-04	5.71E-03	5.58E-05	4.02E-05	5.95E-03
978	490386.72	3861135.12	0.03493	0.19029	0.0088	0.01272	1.30E-04	5.68E-03	5.63E-05	4.02E-05	5.90E-03	1.19E-04	5.75E-09	7.50E-07	1.10E-06	1.20E-04	1.51E-04	5.68E-03	5.63E-05	4.02E-05	5.92E-03
979	490436.72	3861135.12	0.03498	0.18915	0.0089	0.0127	1.31E-04	5.64E-03	5.65E-05	4.01E-05	5.87E-03	1.19E-04	5.71E-09	7.54E-07	1.09E-06	1.21E-04	1.51E-04	5.64E-03	5.65E-05	4.01E-05	5.89E-03
980	490486.72	3861135.12	0.03506	0.18801	0.0089	0.01267	1.31E-04	5.61E-03	5.67E-05	4.00E-05	5.84E-03	1.19E-04	5.68E-09	7.56E-07	1.09E-06	1.21E-04	1.51E-04	5.61E-03	5.67E-05	4.00E-05	5.86E-03
981	490536.72	3861135.12	0.03516	0.1868	0.0089	0.01264	1.31E-04	5.57E-03	5.68E-05	3.99E-05	5.80E-03	1.19E-04	5.64E-09	7.57E-07	1.09E-06	1.21E-04	1.52E-04	5.57E-03	5.68E-05	3.99E-05	5.82E-03
982	490586.72	3861135.12	0.03526	0.18542	0.0089	0.0126	1.32E-04	5.53E-03	5.68E-05	3.98E-05	5.76E-03	1.20E-04	5.60E-09	7.57E-07	1.08E-06	1.22E-04	1.52E-04	5.53E-03	5.68E-05	3.98E-05	5.78E-03
983	490636.72	3861135.12	0.03536	0.18382	0.0089	0.01255	1.32E-04	5.48E-03	5.67E-05	3.96E-05	5.71E-03	1.20E-04	5.55E-09	7.56E-07	1.08E-06	1.22E-04	1.53E-04	5.48E-03	5.67E-05	3.96E-05	5.73E-03
984	490686.72	3861135.12	0.03551	0.18238	0.0089	0.0125	1.33E-04	5.44E-03	5.66E-05	3.95E-05	5.67E-03	1.21E-04	5.51E-09	7.55E-07	1.08E-06	1.22E-04	1.53E-04	5.44E-03	5.66E-05	3.95E-05	5.69E-03
985	490736.72	3861135.12	0.03568	0.181	0.0089	0.01246	1.33E-04	5.40E-03	5.66E-05	3.93E-05	5.63E-03	1.21E-04	5.47E-09	7.54E-07	1.07E-06	1.23E-04	1.54E-04	5.40E-03	5.66E-05	3.93E-05	5.65E-03
986	490786.72	3861135.12	0.03587	0.17958	0.0089	0.01242	1.34E-04	5.36E-03	5.65E-05	3.92E-05	5.59E-03	1.22E-04	5.42E-09	7.54E-07	1.07E-06	1.24E-04	1.55E-04	5.36E-03	5.65E-05	3.92E-05	5.61E-03
987	490836.72	3861135.12	0.03606	0.17812	0.0089	0.01237	1.35E-04	5.31E-03	5.64E-05	3.91E-05	5.54E-03	1.22E-04	5.38E-09	7.53E-07	1.07E-06	1.24E-04	1.56E-04	5.31E-03	5.64E-05	3.91E-05	5.57E-03
988	490086.72	3861185.12	0.03417	0.18264	0.0078	0.01209	1.28E-04	5.45E-03	4.99E-05	3.82E-05	5.66E-03	1.16E-04	5.52E-09	6.65E-07	1.04E-06	1.18E-04	1.47E-04	5.45E-03	4.99E-05	3.82E-05	5.68E-03
989	490136.72	3861185.12	0.03416	0.18186	0.008	0.01205	1.27E-04	5.43E-03	5.11E-05	3.80E-05	5.64E-03	1.16E-04	5.49E-09	6.81E-07	1.04E-06	1.18E-04	1.47E-04	5.43E-03	5.11E-05	3.80E-05	5.66E-03
990	490186.72	3861185.12	0.03419	0.18134	0.0082	0.01203	1.28E-04	5.41E-03	5.23E-05	3.80E-05	5.63E-03	1.16E-04	5.48E-09	6.97E-07	1.04E-06	1.18E-04	1.48E-04	5.41E-03	5.23E-05	3.80E-05	5.65E-03
991	490236.72	3861185.12	0.03422	0.18086	0.0084	0.01202	1.28E-04	5.40E-03	5.33E-05	3.80E-05	5.61E-03	1.16E-04	5.46E-09	7.10E-07	1.04E-06	1.18E-04	1.48E-04	5.40E-03	5.33E-05	3.80E-05	5.63E-03
992	490286.72	3861185.12	0.03427	0.18048	0.0085	0.01202	1.28E-04	5.38E-03	5.42E-05	3.80E-05	5.60E-03	1.16E-04	5.45E-09	7.22E-07	1.04E-06	1.18E-04	1.48E-04	5.38E-03	5.42E-05	3.80E-05	5.62E-03
993	490336.72	3861185.12	0.03421	0.17934	0.0086	0.01198	1.28E-04	5.35E-03	5.47E-05	3.78E-05	5.57E-03	1.16E-04	5.42E-09	7.29E-07	1.03E-06	1.18E-04	1.48E-04	5.35E-03	5.47E-05	3.78E-05	5.59E-03
994	490386.72	3861185.12	0.03423	0.17865	0.0087	0.01197	1.28E-04	5.33E-03	5.52E-05	3.78E-05	5.55E-03	1.16E-04	5.39E-09	7.36E-07	1.03E-06	1.18E-04	1.48E-04	5.33E-03	5.52E-05	3.78E-05	5.57E-03
995	490436.72	3861185.12	0.0343	0.17805	0.0087	0.01197	1.28E-04	5.31E-03	5.56E-05	3.78E-05	5.53E-03	1.16E-04	5.38E-09	7.42E-07	1.03E-06	1.18E-04	1.48E-04	5.31E-03	5.56E-05	3.78E-05	5.55E-03
996	490486.72	3861185.12	0.03435	0.17716	0.0088	0.01196	1.28E-04	5.29E-03	5.58E-05	3.78E-05	5.51E-03	1.17E-04	5.35E-09	7.44E-07	1.03E-06	1.18E-04	1.48E-04	5.29E-03	5.58E-05	3.78E-05	5.53E-03
997	490536.72	3861185.12	0.03448	0.17657	0.0088	0.01196	1.29E-04	5.27E-03	5.61E-05	3.78E-05	5.49E-03	1.17E-04	5.33E-09	7.48E-07	1.03E-06	1.19E-04	1.49E-04	5.27E-03	5.61E-05	3.78E-05	5.51E-03
998	490586.72	3861185.12	0.03454	0.17539	0.0088	0.01193	1.29E-04	5.23E-03	5.61E-05	3.77E-05	5.46E-03	1.17E-04	5.30E-09	7.48E-07	1.03E-06	1.19E-04	1.49E-04	5.23E-03	5.61E-05	3.77E-05	5.48E-03
999	490636.72	3861185.12	0.03458	0.17391	0.0088	0.01188	1.29E-04	5.19E-03	5.60E-05	3.75E-05	5.41E-03	1.17E-04	5.25E-09	7.47E-07	1.02E-06	1.19E-04	1.49E-04	5.19E-03	5.60E-05	3.75E-05	5.43E-03
1000	490686.72	3861185.12	0.0347	0.17273	0.0088	0.01184	1.29E-04	5.15E-03	5.59E-05	3.74E-05	5.38E-03	1.18E-04	5.22E-09	7.46E-07	1.02E-06	1.20E-04	1.50E-04	5.15E-03	5.59E-05	3.74E-05	5.40E-03
1001	490736.72	3861185.12	0.03489	0.17174	0.0088	0.01182	1.30E-04	5.12E-03	5.59E-05	3.73E-05	5.35E-03	1.18E-04	5.19E-09	7.45E-07	1.02E-06	1.20E-04	1.51E-04	5.12E-03	5.59E-05	3.73E-05	5.37E-03
1002	490786.72	3861185.12	0.03507	0.17062	0.0088	0.01179	1.31E-04	5.09E-03	5.59E-05	3.72E-05	5.31E-03	1.19E-04	5.15E-09	7.45E-07	1.02E-06	1.21E-04	1.51E-04	5.09E-03	5.59E-05	3.72E-05	5.33E-03
1003	490836.72	3861185.12	0.03525	0.1694	0.0088	0.01176	1.32E-04	5.05E-03	5.58E-05	3.71E-05	5.28E-03	1.20E-04	5.12E-09	7.44E-07	1.01E-06	1.21E-04	1.52E-04	5.05E-03	5.58E-05	3.71E-05	5.30E-03
1004	490086.72	3861235.12	0.03354	0.17112	0.0076	0.01141	1.25E-04	5.11E-03	4.83E-05	3.60E-05	5.31E-03	1.14E-04	5.17E-09	6.45E-07	9.83E-07	1.16E-04	1.45E-04	5.11E-03	4.83E-05	3.60E-05	5.33E-03
1005	490136.72	3861235.12	0.03355	0.17052	0.0078	0.01138	1.25E-04	5.09E-03	4.97E-05	3.59E-05	5.30E-03	1.14E-04	5.15E-09	6.63E-07	9.80E-07	1.16E-04	1.45E-04	5.09E-03	4.97E-05	3.59E-05	5.32E-03
1006	490186.72	3861235.12	0.03358	0.17015	0.008	0.01136	1.25E-04	5.08E-03	5.09E-05	3.59E-05	5.29E-03	1.14E-04	5.14E-09	6.79E-07	9.78E-07	1.16E-04	1.45E-04	5.08E-03	5.09E-05	3.59E-05	5.31E-03
1007	490236.72	3861235.12	0.03357	0.16952	0.0081	0.01134	1.25E-04	5.06E-03	5.19E-05	3.58E-05	5.27E-03	1.14E-04	5.12E-09	6.92E-07	9.76E-07	1.16E-04	1.45E-04	5.06E-03	5.19E-05	3.58E-05	5.29E-03
1008	490386.72	3861235.12	0.03357	0.16791	0.0085	0.0113	1.25E-04	5.01E-03	5.41E-05	3.57E-05	5.22E-03	1.14E-04	5.07E-09	7.21E-07	9.73E-07	1.16E-04	1.45E-04	5.01E-03	5.41E-05	3.57E-05	5.24E-03
1009	490436.72	3861235.12	0.03358	0.16727	0.0086	0.01129	1.25E-04	4.99E-03	5.45E-05	3.56E-05	5.21E-03	1.14E-04	5.05E-09	7.27E-07	9.72E-07	1.16E-04	1.45E-04	4.99E-03	5.45E-05	3.56E-05	5.23E-03
1010	490486.72	3861235.12	0.03361	0.16666	0.0086	0.01129	1.25E-04	4.97E-03	5.49E-05	3.56E-05	5.19E-03	1.14E-04	5.03E-09	7.31E-07	9.72E-07	1.16E-04	1.45E-04	4.97E-03	5.49E-05	3.56E-05	5.21E-03
1011	490536.72	3861235.12	0.03377	0.16658	0.0087	0.01131	1.26E-04	4.97E-03	5.52E-05	3.57E-05	5.19E-03	1.15E-04	5.03E-09	7.37E-07	9.74E-07	1.16E-04	1.46E-04	4.97E-03	5.52E-05	3.57E-05	5.21E-03
1012	490586.72	3861235.12	0.03389	0.16612	0.0087	0.01132	1.26E-04	4.96E-03	5.54E-05	3.57E-05	5.17E-03	1.15E-04	5.02E-09	7.39E-07	9.75E-07	1.17E-04	1.46E-04	4.96E-03	5.54E-05	3.57E-05	5.19E-03
1013	490636.72	3861235.12	0.03385	0.16461	0.0087	0.01126	1.26E-04	4.91E-03	5.52E-05	3.56E-05	5.13E-03	1.15E-04	4.97E-09	7.37E-07	9.70E-07	1.17E-04	1.46E-04	4.91E-03	5.52E-05	3.56E-05	5.15E-03
1014	490686.72	3861235.12	0.03396	0.16372	0.0087	0.01124	1.27E-04	4.88E-03	5.52E-05	3.55E-05	5.10E-03	1.15E-04	4.94E-09	7.37E-07	9.68E-07	1.17E-04	1.47E-04	4.88E-03	5.52E-05	3.55E-05	5.12E-03
1015	490736.72	3861235.12	0.03412	0.16298	0.0087	0.01123	1.27E-04	4.86E-03	5.52E-05	3.55E-05	5.08E-03	1.16E-04	4.92E-09	7.37E-07	9.67E-07	1.18E-04	1.47E-04	4.86E-03	5.52E-05	3.55E-05	5.10E-03
1016	490786.72	3861235.12	0.03431	0.16219	0.0087	0.01122	1.28E-04	4.84E-03	5.52E-05	3.54E-05	5.06E-03	1.16E-04	4.90E-09	7.37E-07	9.66E-07	1.18E-04	1.48E-04	4.84E-03	5.52E-05	3.54E-05	5.08E-03
1017	490836.72	3861235.12	0.03447	0.16118	0.0087	0.01119	1.29E-04	4.81E-03	5.52E-05	3.53E-05	5.03E-03	1.17E-04	4.87E-09	7.36E-07	9.64E-07	1.19E-04	1.49E-04	4.81E-03	5.52E-05	3.53E-05	5.05E-03
1018	490086.72	3861285.12	0.03297	0.16113	0.0074	0.01082	1.23E-04	4.81E-03	4.69E-05	3.42E-05	5.01E-03	1.12E-04	4.87E-09	6.26E-07	9.32E-07	1.13E-04	1.42E-04	4.81E-03	4.69E-05	3.42E-05	5.03E-03
1019	490136.72	3861285.12	0.03305	0.16092	0.0076	0.01082	1.23E-04	4.80E-03	4.83E-05	3.42E-05	5.01E-03	1.12E-04	4.86E-09	6.45E-07	9.32E-07	1.14E-04	1.43E-04	4.80E-03	4.83E-05	3.42E-05	5.03E-03
1020	490186.72	3861285.12	0.03301	0.16019	0.0078	0.01078	1.23E-04	4.78E-03	4.96E-05	3.40E-05	4.99E-03	1.12E-04	4.84E-09	6.61E-07	9.28E-07	1.14E-04	1.42E-04	4.78E-03	4.96E-05	3.40E-05	5.01E-03
1021	490236.72	3861285.12	0.03301	0.15966	0.0079	0.01076	1.23E-04	4.76E-03	5.06E-05	3.40E-05	4.97E-03	1.12E-04	4.82E-09	6.75E-07	9.27E-07	1.14E-04	1.42E-04	4.76E-03	5.06E-05	3.40E-05	4.99E-03
1022	490386.72	3861285.12	0.03299	0.15831	0.0083	0.01072	1.23E-04	4.72E-03	5.31E-05	3.38E-05	4.93E-03	1.12E-04	4.78E-09	7.08E-07	9.23E-07	1.14E-04	1.42E-04	4.72E-03	5.31E-05	3.38E-05	4.95E-03
1023	490436.72	3861285.12	0.03301	0.158	0.0084	0.01072	1.23E-04	4.71E-03	5.36E-05	3.38E-05	4.92E-03	1.12E-04	4.77E-09	7.15E-07	9.23E-07	1.14E-04	1.42E-04	4.71E-03	5.36E-05	3.38E-05	4.94E-03
1024	490486.72	3861285.12	0.03301	0.15744	0.0085	0.01071	1.23E-04	4.70E-03	5.40E-05	3.38E-05	4.91E-03	1.12E-04	4.75E-09	7.19E-07	9.22E-07	1.14E-04	1.42E-04	4.70E-03	5.40E-05	3.38E-05	4.93E-03
1025	490536.72	3861285.12	0.03305	0.15702	0.0085	0.01071	1.23E-04	4.68E-03	5.43E-05	3.38E-05	4.90E-03	1.12E-04	4.74E-09	7.24E-07	9.22E-07	1.14E-04	1.43E-04	4.68E-03	5.43E-05	3.38E-05	4.92E-03
1026	490586.72	3861285.12	0.03313	0.15665	0.0085	0.01071	1.24E-04	4.67E-03	5.45E-05	3.38E-05	4.89E-03	1.12E-04	4.73E-09	7.26E-07	9.22E-07	1.14E-04	1.43E-04	4.67E-03	5.45E-05	3.38E-05	4.90E-03
1027	490636.72	3861285.12	0.03314	0.15575	0.0085	0.01069	1.24E-04	4.65E-03	5.45E-05	3.38E-05	4.86E-03	1.13E-04	4.70E-09	7.26E-07	9.21E-07	1.14E-04	1.43E-04	4.65E-03	5.45E-05	3.38E-05	4.88E-03
1028	490686.72	3861285.12	0.03323	0.15512	0.0086	0.01068	1.24E-04	4.63E-03	5.45E-05	3.37E-05	4.84E-03	1.13E-04	4.68E-09	7.27E-07	9.20E-07	1.14E-04	1.43E-04	4.63E-03	5.45E-05	3.37E-05	4.86E-03
1029	490736.72	3861285.12	0.03341	0.15482	0.0086	0.01069	1.25E-04	4.62E-03	5.46E-05	3.38E-05	4.83E-03	1.13E-04	4.68E-09	7.28E-07	9.21E-07	1.15E-04	1.44E-04	4.62E-03	5.46E-05	3.38E-05	4.85E-03
1030	490786.72	3861285.12	0.03354	0.15405	0.0086	0.01068	1.25E-04	4.60E-03	5.46E-05	3.37E-05	4.81E-03	1.14E-04	4.65E-09	7.28E-07	9.20E-07	1.16E-04	1.45E-04	4.60E-03	5.46E-05	3.37E-05	4.83E-03
1031	490836.72	3861285.12	0.03367	0.15311	0.0085	0.01065	1.26E-04	4.57E-03	5.45E-05	3.36E-05	4.78E-03	1.14E-04	4.62E-09	7.26E-07	9.17E-07	1.16E-04	1.45E-04	4.57E-03	5.45E-05	3.36E-05	4.80E-03
1032	490061.24	3859716.13	0.06527	0.57114	0.0169	0.08374	2.44E-04	1.70E-02	1.08E-04	2.64E-04	1.77E-02	2.22E-04	1.72E-08	1.44E-06	7.21E-06	2.30E-04	2.82E-04	1.70E-02	1.08E-04	2.64E-04	1.77E-02
1033	490111.24	3859716.13	0.06475	0.55902	0.0171	0.08085	2.42E-04	1.67E-02	1.09E-04	2.55E-04	1.73E-02	2.20E-04	1.69E-08	1.45E-06	6.96E-06	2.28E-04	2.79E-04	1.67E-02	1.09E-04	2.55E-04	1.73E-02

1034	490161.24	3859716.13	0.06419	0.54751	0.0172	0.07819	2.40E-04	1.63E-02	1.10E-04	2.47E-04	1.69E-02	2.18E-04	1.65E-08	1.46E-06	6.73E-06	2.26E-04	2.77E-04	1.63E-02	1.10E-04	2.47E-04	1.70E-02
1035	490211.24	3859716.13	0.06361	0.53731	0.0173	0.07573	2.37E-04	1.60E-02	1.10E-04	2.39E-04	1.66E-02	2.16E-04	1.62E-08	1.47E-06	6.52E-06	2.24E-04	2.74E-04	1.60E-02	1.10E-04	2.39E-04	1.67E-02
1036	490061.24	3859766.13	0.0643	0.56938	0.0163	0.08161	2.40E-04	1.70E-02	1.04E-04	2.58E-04	1.76E-02	2.18E-04	1.72E-08	1.38E-06	7.03E-06	2.27E-04	2.77E-04	1.70E-02	1.04E-04	2.58E-04	1.76E-02
1037	490111.24	3859766.13	0.06376	0.55781	0.0165	0.07882	2.38E-04	1.66E-02	1.05E-04	2.49E-04	1.72E-02	2.16E-04	1.68E-08	1.40E-06	6.79E-06	2.25E-04	2.75E-04	1.66E-02	1.05E-04	2.49E-04	1.73E-02
1038	490161.24	3859766.13	0.06319	0.54755	0.0166	0.07624	2.36E-04	1.63E-02	1.06E-04	2.41E-04	1.69E-02	2.15E-04	1.65E-08	1.41E-06	6.57E-06	2.23E-04	2.73E-04	1.63E-02	1.06E-04	2.41E-04	1.70E-02
1039	490211.24	3859766.13	0.06265	0.53612	0.0167	0.0738	2.34E-04	1.60E-02	1.07E-04	2.33E-04	1.66E-02	2.13E-04	1.62E-08	1.42E-06	6.35E-06	2.20E-04	2.70E-04	1.60E-02	1.07E-04	2.33E-04	1.66E-02
1040	490061.24	3859816.13	0.06326	0.56872	0.0157	0.07938	2.36E-04	1.70E-02	9.98E-05	2.51E-04	1.76E-02	2.15E-04	1.72E-08	1.33E-06	6.84E-06	2.23E-04	2.73E-04	1.70E-02	9.98E-05	2.51E-04	1.76E-02
1041	490111.24	3859816.13	0.06275	0.55838	0.0158	0.07667	2.34E-04	1.67E-02	1.01E-04	2.42E-04	1.72E-02	2.13E-04	1.69E-08	1.35E-06	6.60E-06	2.21E-04	2.71E-04	1.67E-02	1.01E-04	2.42E-04	1.73E-02
1042	490161.24	3859816.13	0.06224	0.54669	0.016	0.07412	2.32E-04	1.63E-02	1.02E-04	2.34E-04	1.69E-02	2.11E-04	1.65E-08	1.36E-06	6.38E-06	2.19E-04	2.69E-04	1.63E-02	1.02E-04	2.34E-04	1.69E-02
1043	490211.24	3859816.13	0.06171	0.53528	0.0161	0.07175	2.30E-04	1.60E-02	1.03E-04	2.27E-04	1.65E-02	2.10E-04	1.62E-08	1.37E-06	6.18E-06	2.17E-04	2.66E-04	1.60E-02	1.03E-04	2.27E-04	1.66E-02
1044	490061.24	3859866.13	0.06216	0.57013	0.015	0.07705	2.32E-04	1.70E-02	9.59E-05	2.43E-04	1.76E-02	2.11E-04	1.72E-08	1.28E-06	6.63E-06	2.19E-04	2.68E-04	1.70E-02	9.59E-05	2.43E-04	1.76E-02
1045	490111.24	3859866.13	0.06175	0.558	0.0152	0.07439	2.30E-04	1.66E-02	9.72E-05	2.35E-04	1.72E-02	2.10E-04	1.69E-08	1.30E-06	6.41E-06	2.17E-04	2.66E-04	1.66E-02	9.72E-05	2.35E-04	1.72E-02
1046	490161.24	3859866.13	0.06131	0.54608	0.0154	0.07191	2.29E-04	1.63E-02	9.84E-05	2.27E-04	1.68E-02	2.08E-04	1.65E-08	1.31E-06	6.19E-06	2.16E-04	2.65E-04	1.63E-02	9.84E-05	2.27E-04	1.69E-02
1047	490211.24	3859866.13	0.06083	0.53445	0.0156	0.06959	2.27E-04	1.59E-02	9.94E-05	2.20E-04	1.65E-02	2.07E-04	1.61E-08	1.33E-06	5.99E-06	2.14E-04	2.62E-04	1.59E-02	9.94E-05	2.20E-04	1.65E-02
1048	490061.24	3859916.13	0.06099	0.57073	0.0144	0.07459	2.28E-04	1.70E-02	9.21E-05	2.36E-04	1.76E-02	2.07E-04	1.72E-08	1.23E-06	6.42E-06	2.15E-04	2.63E-04	1.70E-02	9.21E-05	2.36E-04	1.76E-02
1049	490111.24	3859916.13	0.0607	0.55807	0.0147	0.072	2.27E-04	1.66E-02	9.36E-05	2.27E-04	1.72E-02	2.06E-04	1.69E-08	1.25E-06	6.20E-06	2.14E-04	2.62E-04	1.66E-02	9.36E-05	2.27E-04	1.72E-02
1050	490161.24	3859916.13	0.06033	0.54583	0.0149	0.06961	2.25E-04	1.63E-02	9.48E-05	2.20E-04	1.68E-02	2.05E-04	1.65E-08	1.26E-06	5.99E-06	2.12E-04	2.60E-04	1.63E-02	9.48E-05	2.20E-04	1.69E-02
1051	490211.24	3859916.13	0.05989	0.53396	0.015	0.0674	2.23E-04	1.59E-02	9.59E-05	2.13E-04	1.65E-02	2.03E-04	1.61E-08	1.28E-06	5.80E-06	2.10E-04	2.58E-04	1.59E-02	9.59E-05	2.13E-04	1.65E-02
1052	490229.25	3859815.26	0.06157	0.53112	0.0162	0.07094	2.30E-04	1.58E-02	1.03E-04	2.24E-04	1.64E-02	2.09E-04	1.60E-08	1.38E-06	6.11E-06	2.17E-04	2.66E-04	1.58E-02	1.03E-04	2.24E-04	1.64E-02
1053	490279.25	3859815.26	0.06102	0.52011	0.0163	0.0688	2.28E-04	1.55E-02	1.04E-04	2.17E-04	1.61E-02	2.07E-04	1.57E-08	1.38E-06	5.92E-06	2.14E-04	2.63E-04	1.55E-02	1.04E-04	2.17E-04	1.61E-02
1054	490329.25	3859815.26	0.06049	0.50935	0.0164	0.0668	2.26E-04	1.52E-02	1.04E-04	2.11E-04	1.57E-02	2.05E-04	1.54E-08	1.39E-06	5.75E-06	2.13E-04	2.61E-04	1.52E-02	1.04E-04	2.11E-04	1.58E-02
1055	490379.25	3859815.26	0.06008	0.4986	0.0165	0.06482	2.24E-04	1.49E-02	1.05E-04	2.05E-04	1.54E-02	2.04E-04	1.51E-08	1.40E-06	5.58E-06	2.11E-04	2.59E-04	1.49E-02	1.05E-04	2.05E-04	1.54E-02
1056	490429.25	3859815.26	0.05978	0.48794	0.0166	0.06288	2.23E-04	1.46E-02	1.06E-04	1.99E-04	1.51E-02	2.03E-04	1.47E-08	1.41E-06	5.41E-06	2.10E-04	2.58E-04	1.46E-02	1.06E-04	1.99E-04	1.51E-02
1057	490229.25	3859865.26	0.06067	0.53034	0.0157	0.06883	2.26E-04	1.58E-02	9.98E-05	2.17E-04	1.64E-02	2.06E-04	1.60E-08	1.33E-06	5.93E-06	2.13E-04	2.62E-04	1.58E-02	9.98E-05	2.17E-04	1.64E-02
1058	490279.25	3859865.26	0.06015	0.51918	0.0158	0.06675	2.24E-04	1.55E-02	1.00E-04	2.11E-04	1.60E-02	2.04E-04	1.57E-08	1.34E-06	5.75E-06	2.11E-04	2.60E-04	1.55E-02	1.00E-04	2.11E-04	1.61E-02
1059	490329.25	3859865.26	0.05962	0.50828	0.0158	0.0648	2.22E-04	1.52E-02	1.01E-04	2.05E-04	1.57E-02	2.02E-04	1.53E-08	1.35E-06	5.58E-06	2.09E-04	2.57E-04	1.52E-02	1.01E-04	2.05E-04	1.57E-02
1060	490379.25	3859865.26	0.05915	0.49753	0.0159	0.06294	2.21E-04	1.48E-02	1.01E-04	1.99E-04	1.54E-02	2.01E-04	1.50E-08	1.35E-06	5.42E-06	2.08E-04	2.55E-04	1.48E-02	1.01E-04	1.99E-04	1.54E-02
1061	490429.25	3859865.26	0.05873	0.487	0.016	0.06115	2.19E-04	1.45E-02	1.02E-04	1.93E-04	1.50E-02	1.99E-04	1.47E-08	1.36E-06	5.27E-06	2.06E-04	2.53E-04	1.45E-02	1.02E-04	1.93E-04	1.51E-02
1062	490229.25	3859915.26	0.05975	0.52972	0.0151	0.06666	2.23E-04	1.58E-02	9.64E-05	2.10E-04	1.63E-02	2.03E-04	1.60E-08	1.29E-06	5.74E-06	2.10E-04	2.58E-04	1.58E-02	9.64E-05	2.10E-04	1.64E-02
1063	490279.25	3859915.26	0.05924	0.51836	0.0152	0.06468	2.21E-04	1.55E-02	9.71E-05	2.04E-04	1.60E-02	2.01E-04	1.57E-08	1.30E-06	5.57E-06	2.08E-04	2.56E-04	1.55E-02	9.71E-05	2.04E-04	1.60E-02
1064	490329.25	3859915.26	0.05875	0.50717	0.0153	0.06279	2.19E-04	1.51E-02	9.78E-05	1.98E-04	1.56E-02	1.99E-04	1.53E-08	1.30E-06	5.41E-06	2.06E-04	2.54E-04	1.51E-02	9.78E-05	1.98E-04	1.57E-02
1065	490379.25	3859915.26	0.05828	0.49624	0.0154	0.061	2.17E-04	1.48E-02	9.83E-05	1.93E-04	1.53E-02	1.98E-04	1.50E-08	1.31E-06	5.25E-06	2.04E-04	2.51E-04	1.48E-02	9.83E-05	1.93E-04	1.53E-02
1066	490429.25	3859915.26	0.0578	0.48563	0.0155	0.05932	2.16E-04	1.45E-02	9.87E-05	1.87E-04	1.50E-02	1.96E-04	1.47E-08	1.32E-06	5.11E-06	2.03E-04	2.49E-04	1.45E-02	9.87E-05	1.87E-04	1.50E-02
1067	490451.43	3859872.59	0.0584	0.48227	0.0159	0.06015	2.18E-04	1.44E-02	1.02E-04	1.90E-04	1.49E-02	1.98E-04	1.46E-08	1.35E-06	5.18E-06	2.05E-04	2.52E-04	1.44E-02	1.02E-04	1.90E-04	1.49E-02
1068	490501.43	3859872.59	0.05809	0.47198	0.016	0.05844	2.17E-04	1.41E-02	1.02E-04	1.85E-04	1.46E-02	1.97E-04	1.43E-08	1.36E-06	5.03E-06	2.04E-04	2.51E-04	1.41E-02	1.02E-04	1.85E-04	1.46E-02
1069	490551.43	3859872.59	0.05792	0.46166	0.0162	0.05675	2.16E-04	1.38E-02	1.03E-04	1.79E-04	1.43E-02	1.97E-04	1.39E-08	1.38E-06	4.89E-06	2.03E-04	2.50E-04	1.38E-02	1.03E-04	1.79E-04	1.43E-02
1070	490601.43	3859872.59	0.05777	0.45074	0.0164	0.05517	2.16E-04	1.34E-02	1.04E-04	1.74E-04	1.39E-02	1.96E-04	1.36E-08	1.39E-06	4.75E-06	2.02E-04	2.49E-04	1.34E-02	1.04E-04	1.74E-04	1.40E-02
1071	490451.43	3859922.59	0.05748	0.48075	0.0154	0.05833	2.14E-04	1.43E-02	9.84E-05	1.84E-04	1.48E-02	1.95E-04	1.45E-08	1.31E-06	5.02E-06	2.01E-04	2.48E-04	1.43E-02	9.84E-05	1.84E-04	1.49E-02
1072	490501.43	3859922.59	0.05709	0.47043	0.0155	0.05674	2.13E-04	1.40E-02	9.88E-05	1.79E-04	1.45E-02	1.94E-04	1.42E-08	1.32E-06	4.89E-06	2.00E-04	2.46E-04	1.40E-02	9.88E-05	1.79E-04	1.46E-02
1073	490551.43	3859922.59	0.05684	0.46019	0.0156	0.05513	2.12E-04	1.37E-02	9.96E-05	1.74E-04	1.42E-02	1.93E-04	1.39E-08	1.33E-06	4.75E-06	1.99E-04	2.45E-04	1.37E-02	9.96E-05	1.74E-04	1.42E-02
1074	490601.43	3859922.59	0.05667	0.45005	0.0158	0.05358	2.11E-04	1.34E-02	1.00E-04	1.69E-04	1.39E-02	1.92E-04	1.36E-08	1.34E-06	4.61E-06	1.98E-04	2.45E-04	1.34E-02	1.00E-04	1.69E-04	1.39E-02
1075	482129.67	3852241.07	0.03656	0.0145	0.0028	0.00491	1.36E-04	4.33E-04	1.78E-05	1.55E-05	6.02E-04	1.24E-04	4.38E-10	2.37E-07	4.23E-07	1.25E-04	1.58E-04	4.33E-04	1.78E-05	1.55E-05	6.24E-04
1076	482029.67	3852291.07	0.03665	0.01519	0.0028	0.00486	1.37E-04	4.53E-04	1.79E-05	1.53E-05	6.23E-04	1.24E-04	4.59E-10	2.39E-07	4.18E-07	1.25E-04	1.58E-04	4.53E-04	1.79E-05	1.53E-05	6.45E-04
1077	482079.67	3852291.07	0.03703	0.01507	0.0028	0.0049	1.38E-04	4.50E-04	1.79E-05	1.55E-05	6.21E-04	1.26E-04	4.55E-10	2.39E-07	4.22E-07	1.26E-04	1.60E-04	4.50E-04	1.79E-05	1.55E-05	6.43E-04
1078	482129.67	3852291.07	0.03726	0.01492	0.0028	0.00495	1.39E-04	4.45E-04	1.79E-05	1.56E-05	6.18E-04	1.26E-04	4.51E-10	2.39E-07	4.26E-07	1.27E-04	1.61E-04	4.45E-04	1.79E-05	1.56E-05	6.39E-04
1079	482179.67	3852291.07	0.03736	0.01468	0.0028	0.005	1.39E-04	4.38E-04	1.79E-05	1.58E-05	6.11E-04	1.27E-04	4.43E-10	2.39E-07	4.31E-07	1.28E-04	1.61E-04	4.38E-04	1.79E-05	1.58E-05	6.33E-04
1080	482229.67	3852291.07	0.03732	0.01433	0.0028	0.00506	1.39E-04	4.28E-04	1.80E-05	1.60E-05	6.01E-04	1.27E-04	4.33E-10	2.40E-07	4.36E-07	1.27E-04	1.61E-04	4.28E-04	1.80E-05	1.60E-05	6.23E-04
1081	482029.67	3852341.07	0.03684	0.01565	0.0028	0.0049	1.37E-04	4.67E-04	1.81E-05	1.55E-05	6.38E-04	1.25E-04	4.73E-10	2.41E-07	4.22E-07	1.26E-04	1.59E-04	4.67E-04	1.81E-05	1.55E-05	6.59E-04
1082	482079.67	3852341.07	0.03741	0.01551	0.0028	0.00494	1.40E-04	4.63E-04	1.81E-05	1.56E-05	6.36E-04	1.27E-04	4.68E-10	2.41E-07	4.25E-07	1.28E-04	1.61E-04	4.63E-04	1.81E-05	1.56E-05	6.58E-04
1083	482129.67	3852341.07	0.03781	0.01538	0.0028	0.00499	1.41E-04	4.59E-04	1.81E-05	1.58E-05	6.34E-04	1.28E-04	4.64E-10	2.41E-07	4.30E-07	1.29E-04	1.63E-04	4.59E-04	1.81E-05	1.58E-05	6.56E-04
1084	482179.67	3852341.07	0.03807	0.01518	0.0028	0.00505	1.42E-04	4.53E-04	1.81E-05	1.59E-05	6.29E-04	1.29E-04	4.58E-10	2.41E-07	4.35E-07	1.30E-04	1.64E-04	4.53E-04	1.81E-05	1.59E-05	6.51E-04
1085	482259.06	3852400.14	0.03888	0.01581	0.0029	0.00518	1.45E-04	4.72E-04	1.83E-05	1.64E-05	6.51E-04	1.32E-04	4.77E-10	2.44E-07	4.46E-07	1.33E-04	1.68E-04	4.72E-04	1.83E-05	1.64E-05	6.74E-04
1086	482309.06	3852400.14	0.03907	0.01533	0.0029	0.00524	1.46E-04	4.57E-04	1.83E-05	1.65E-05	6.38E-04	1.33E-04	4.63E-10	2.44E-07	4.51E-07	1.33E-04	1.69E-04	4.57E-04	1.83E-05	1.65E-05	6.61E-04
1087	482209.06	3852450.14	0.0392	0.01639	0.0029	0.00518	1.46E-04	4.89E-04	1.84E-05	1.64E-05	6.70E-04	1.33E-04	4.95E-10	2.46E-07	4.46E-07	1.34E-04	1.69E-04	4.89E-04	1.84E-05	1.64E-05	6.93E-04
1088	482259.06	3852450.14	0.03958	0.01625	0.0029	0.00523	1.48E-04	4.85E-04	1.84E-05	1.65E-05	6.67E-04	1.34E-04	4.91E-10	2.46E-07	4.50E-07	1.35E-04	1.71E-04	4.85E-04	1.84E-05	1.65E-05	6.91E-04
1089	482309.06	3852450.14	0.03989	0.01589	0.0029	0.00529	1.49E-04	4.74E-04	1.84E-05	1.67E-05	6.58E-04	1.35E-04	4.80E-10	2.46E-07	4.56E-07	1.36E-04	1.72E-04	4.74E-04	1.84E-05	1.67E-05	6.81E-04
1090	482209.06	3852500.14	0.03954	0.01681	0.0029	0.00523	1.48E-04	5.01E-04	1.86E-05	1.65E-05	6.84E-04	1.34E-04	5.08E-10	2.48E-07	4.50E-07	1.35E-04	1.71E-04	5.01E-04	1.86E-05	1.65E-05	7.07E-04
1091	482259.06	3852500.14	0.04013	0.01666	0.0029	0.00529	1.50E-04	4.97E-04	1.86E-05	1.67E-05	6.82E-04	1.36E-04	5.03E-10	2.47E-07	4.56E-07	1.37E-04	1.73E-04	4.97E-04	1.86E-05	1.67E-05	7.05E-04
1092	482309.06	3852500.14	0.04057	0.01644	0.0029	0.00535	1.51E-04	4.90E-04	1.86E-05	1.69E-05	6.77E-04	1.38E-04	4.96E-10	2.47E-07	4.61E-07	1.38E-04	1.75E-04	4.90E-04	1.86E-05	1.69E-05	7.01E-04
1093	482283.91	3852513.62	0.04049	0.01671	0.0029	0.00533	1.51E-04	4.99E-04	1.86E-05	1.68E-05	6.85E-04	1.37E-04	5.05E-10	2.48E-07	4.59E-07	1.38E-04	1.75E-04	4.99E-04	1.86E-05	1.68E-05	7.09E-04
1094	482333.91	3852513.62	0.04086	0.0165	0.0029	0.00539	1.52E-04	4.92E-04	1.86E-05	1.70E-05	6.80E-04	1.39E-04	4.98E-10	2.48E-07	4.64E-07	1.39E-04	1.76E-04	4.92E-04	1.86E-05	1.70E-05	7.04E-04

1095	482283.91	3852563.62	0.04083	0.01723	0.003	0.00539	1.52E-04	5.14E-04	1.88E-05	1.70E-05	7.02E-04	1.39E-04	5.20E-10	2.51E-07	4.64E-07	1.39E-04	1.76E-04	5.14E-04	1.88E-05	1.70E-05	7.26E-04
1096	482333.91	3852563.62	0.04136	0.01712	0.003	0.00545	1.54E-04	5.11E-04	1.88E-05	1.72E-05	7.01E-04	1.40E-04	5.17E-10	2.51E-07	4.69E-07	1.41E-04	1.78E-04	5.11E-04	1.88E-05	1.72E-05	7.25E-04
1097	482383.91	3852563.62	0.04168	0.01701	0.003	0.0055	1.56E-04	5.07E-04	1.88E-05	1.74E-05	6.99E-04	1.42E-04	5.14E-10	2.51E-07	4.74E-07	1.42E-04	1.80E-04	5.07E-04	1.88E-05	1.74E-05	7.24E-04
1098	482283.91	3852613.62	0.04114	0.0176	0.003	0.00545	1.54E-04	5.25E-04	1.89E-05	1.72E-05	7.15E-04	1.40E-04	5.31E-10	2.53E-07	4.69E-07	1.40E-04	1.78E-04	5.25E-04	1.89E-05	1.72E-05	7.39E-04
1099	482333.91	3852613.62	0.04179	0.01759	0.003	0.00551	1.56E-04	5.25E-04	1.89E-05	1.74E-05	7.17E-04	1.42E-04	5.31E-10	2.53E-07	4.74E-07	1.43E-04	1.80E-04	5.25E-04	1.89E-05	1.74E-05	7.41E-04
1100	482383.91	3852613.62	0.04226	0.01757	0.003	0.00557	1.58E-04	5.24E-04	1.89E-05	1.76E-05	7.18E-04	1.43E-04	5.31E-10	2.53E-07	4.80E-07	1.44E-04	1.82E-04	5.24E-04	1.89E-05	1.76E-05	7.43E-04
1101	482602.38	3852600.87	0.0422	0.01609	0.003	0.00571	1.57E-04	4.80E-04	1.90E-05	1.80E-05	6.75E-04	1.43E-04	4.86E-10	2.53E-07	4.92E-07	1.44E-04	1.82E-04	4.80E-04	1.90E-05	1.80E-05	6.99E-04
1102	482652.38	3852600.87	0.04173	0.01589	0.003	0.00574	1.56E-04	4.74E-04	1.91E-05	1.81E-05	6.67E-04	1.42E-04	4.80E-10	2.54E-07	4.94E-07	1.42E-04	1.80E-04	4.74E-04	1.91E-05	1.81E-05	6.91E-04
1103	482702.38	3852600.87	0.04122	0.0152	0.003	0.00577	1.54E-04	4.53E-04	1.92E-05	1.82E-05	6.45E-04	1.40E-04	4.59E-10	2.56E-07	4.97E-07	1.41E-04	1.78E-04	4.53E-04	1.92E-05	1.82E-05	6.69E-04
1104	482552.38	3852650.87	0.04365	0.01708	0.003	0.00575	1.63E-04	5.10E-04	1.91E-05	1.82E-05	7.10E-04	1.48E-04	5.16E-10	2.54E-07	4.95E-07	1.49E-04	1.88E-04	5.10E-04	1.91E-05	1.82E-05	7.35E-04
1105	482602.38	3852650.87	0.04348	0.01681	0.003	0.00578	1.62E-04	5.01E-04	1.91E-05	1.82E-05	7.01E-04	1.48E-04	5.08E-10	2.55E-07	4.98E-07	1.48E-04	1.88E-04	5.01E-04	1.91E-05	1.82E-05	7.27E-04
1106	482652.38	3852650.87	0.0431	0.01662	0.003	0.00581	1.61E-04	4.96E-04	1.92E-05	1.83E-05	6.94E-04	1.46E-04	5.02E-10	2.56E-07	5.00E-07	1.47E-04	1.86E-04	4.96E-04	1.92E-05	1.83E-05	7.19E-04
1107	482702.38	3852650.87	0.04261	0.01639	0.003	0.00583	1.59E-04	4.89E-04	1.93E-05	1.84E-05	6.86E-04	1.45E-04	4.95E-10	2.57E-07	5.02E-07	1.45E-04	1.84E-04	4.89E-04	1.93E-05	1.84E-05	7.11E-04
1108	482552.38	3852700.87	0.0447	0.01768	0.003	0.00583	1.67E-04	5.27E-04	1.92E-05	1.84E-05	7.32E-04	1.52E-04	5.34E-10	2.56E-07	5.02E-07	1.53E-04	1.93E-04	5.27E-04	1.92E-05	1.84E-05	7.58E-04
1109	482602.38	3852700.87	0.04462	0.01753	0.003	0.00586	1.66E-04	5.23E-04	1.93E-05	1.85E-05	7.27E-04	1.51E-04	5.29E-10	2.57E-07	5.05E-07	1.52E-04	1.93E-04	5.23E-04	1.93E-05	1.85E-05	7.53E-04
1110	482652.38	3852700.87	0.04422	0.01763	0.003	0.00588	1.65E-04	5.26E-04	1.93E-05	1.86E-05	7.29E-04	1.50E-04	5.32E-10	2.58E-07	5.06E-07	1.51E-04	1.91E-04	5.26E-04	1.93E-05	1.86E-05	7.55E-04
1111	482702.38	3852700.87	0.04392	0.01734	0.003	0.0059	1.64E-04	5.17E-04	1.94E-05	1.86E-05	7.19E-04	1.49E-04	5.24E-10	2.59E-07	5.08E-07	1.50E-04	1.90E-04	5.17E-04	1.94E-05	1.86E-05	7.45E-04
1112	482452.38	3852750.87	0.04444	0.01863	0.003	0.00584	1.66E-04	5.56E-04	1.94E-05	1.84E-05	7.59E-04	1.51E-04	5.63E-10	2.59E-07	5.03E-07	1.52E-04	1.92E-04	5.56E-04	1.94E-05	1.84E-05	7.85E-04
1113	482521.29	3852749.74	0.04527	0.01842	0.003	0.00589	1.69E-04	5.50E-04	1.94E-05	1.86E-05	7.56E-04	1.54E-04	5.56E-10	2.59E-07	5.07E-07	1.54E-04	1.95E-04	5.50E-04	1.94E-05	1.86E-05	7.83E-04
1114	482571.29	3852749.74	0.04557	0.01826	0.003	0.00593	1.70E-04	5.45E-04	1.94E-05	1.87E-05	7.53E-04	1.55E-04	5.51E-10	2.59E-07	5.11E-07	1.55E-04	1.97E-04	5.45E-04	1.94E-05	1.87E-05	7.80E-04
1115	482521.29	3852799.74	0.04576	0.01902	0.0031	0.00598	1.71E-04	5.67E-04	1.96E-05	1.89E-05	7.77E-04	1.55E-04	5.74E-10	2.61E-07	5.15E-07	1.56E-04	1.97E-04	5.67E-04	1.96E-05	1.89E-05	8.03E-04
1116	482571.29	3852799.74	0.0463	0.01889	0.0031	0.00602	1.73E-04	5.64E-04	1.96E-05	1.90E-05	7.75E-04	1.57E-04	5.70E-10	2.61E-07	5.18E-07	1.58E-04	2.00E-04	5.64E-04	1.96E-05	1.90E-05	8.02E-04
1117	482621.29	3852799.74	0.04662	0.01872	0.0031	0.00604	1.74E-04	5.58E-04	1.96E-05	1.91E-05	7.71E-04	1.58E-04	5.65E-10	2.61E-07	5.20E-07	1.59E-04	2.01E-04	5.58E-04	1.96E-05	1.91E-05	7.98E-04
1118	482571.29	3852849.74	0.04695	0.01939	0.0031	0.00611	1.75E-04	5.78E-04	1.98E-05	1.93E-05	7.93E-04	1.59E-04	5.86E-10	2.64E-07	5.26E-07	1.60E-04	2.03E-04	5.78E-04	1.98E-05	1.93E-05	8.20E-04
1119	482621.29	3852849.74	0.04756	0.01917	0.0031	0.00614	1.77E-04	5.72E-04	1.97E-05	1.94E-05	7.88E-04	1.61E-04	5.79E-10	2.63E-07	5.29E-07	1.62E-04	2.05E-04	5.72E-04	1.97E-05	1.94E-05	8.16E-04
1120	482577.42	3852901.55	0.04756	0.01983	0.0031	0.00622	1.77E-04	5.92E-04	1.99E-05	1.96E-05	8.09E-04	1.61E-04	5.99E-10	2.65E-07	5.36E-07	1.62E-04	2.05E-04	5.92E-04	1.99E-05	1.96E-05	8.36E-04
1121	482627.42	3852901.55	0.04844	0.0196	0.0031	0.00625	1.81E-04	5.85E-04	1.99E-05	1.97E-05	8.05E-04	1.64E-04	5.92E-10	2.65E-07	5.38E-07	1.65E-04	2.09E-04	5.85E-04	1.99E-05	1.97E-05	8.33E-04
1122	482629.96	3852955.85	0.04899	0.02017	0.0032	0.00637	1.83E-04	6.02E-04	2.01E-05	2.01E-05	8.25E-04	1.66E-04	6.09E-10	2.68E-07	5.49E-07	1.67E-04	2.11E-04	6.02E-04	2.01E-05	2.01E-05	8.53E-04
1123	482679.96	3852955.85	0.04988	0.01995	0.0032	0.00639	1.86E-04	5.95E-04	2.01E-05	2.02E-05	8.22E-04	1.69E-04	6.02E-10	2.68E-07	5.50E-07	1.70E-04	2.15E-04	5.95E-04	2.01E-05	2.02E-05	8.51E-04
1124	482781.63	3853034.48	0.05257	0.02025	0.0032	0.0066	1.96E-04	6.04E-04	2.03E-05	2.08E-05	8.41E-04	1.78E-04	6.12E-10	2.71E-07	5.68E-07	1.79E-04	2.27E-04	6.04E-04	2.03E-05	2.08E-05	8.72E-04
1125	482831.63	3853034.48	0.05308	0.01994	0.0032	0.0066	1.98E-04	5.95E-04	2.03E-05	2.08E-05	8.34E-04	1.80E-04	6.02E-10	2.70E-07	5.68E-07	1.81E-04	2.29E-04	5.95E-04	2.03E-05	2.08E-05	8.65E-04
1126	482881.63	3853034.48	0.05324	0.01964	0.0032	0.00659	1.99E-04	5.86E-04	2.03E-05	2.08E-05	8.26E-04	1.81E-04	5.93E-10	2.71E-07	5.67E-07	1.82E-04	2.30E-04	5.86E-04	2.03E-05	2.08E-05	8.57E-04
1127	482781.63	3853084.48	0.05329	0.02087	0.0032	0.00673	1.99E-04	6.23E-04	2.05E-05	2.12E-05	8.63E-04	1.81E-04	6.30E-10	2.74E-07	5.80E-07	1.82E-04	2.30E-04	6.23E-04	2.05E-05	2.12E-05	8.94E-04
1128	482831.63	3853084.48	0.05414	0.02054	0.0032	0.00673	2.02E-04	6.13E-04	2.05E-05	2.12E-05	8.57E-04	1.84E-04	6.20E-10	2.73E-07	5.80E-07	1.85E-04	2.34E-04	6.13E-04	2.05E-05	2.12E-05	8.88E-04
1129	482881.63	3853084.48	0.0546	0.02026	0.0032	0.00671	2.04E-04	6.04E-04	2.05E-05	2.12E-05	8.50E-04	1.85E-04	6.12E-10	2.73E-07	5.78E-07	1.86E-04	2.36E-04	6.04E-04	2.05E-05	2.12E-05	8.82E-04
1130	482781.63	3853134.48	0.05365	0.02157	0.0033	0.00686	2.00E-04	6.44E-04	2.07E-05	2.17E-05	8.86E-04	1.82E-04	6.51E-10	2.76E-07	5.91E-07	1.83E-04	2.32E-04	6.44E-04	2.07E-05	2.17E-05	9.17E-04
1131	482831.63	3853134.48	0.05485	0.02126	0.0032	0.00686	2.05E-04	6.34E-04	2.07E-05	2.17E-05	8.81E-04	1.86E-04	6.42E-10	2.76E-07	5.91E-07	1.87E-04	2.37E-04	6.34E-04	2.07E-05	2.17E-05	9.13E-04
1132	482881.63	3853134.48	0.05563	0.02103	0.0032	0.00685	2.08E-04	6.27E-04	2.07E-05	2.16E-05	8.77E-04	1.89E-04	6.35E-10	2.76E-07	5.90E-07	1.90E-04	2.40E-04	6.27E-04	2.07E-05	2.16E-05	9.10E-04
1133	482831.63	3853184.48	0.05525	0.02199	0.0033	0.007	2.06E-04	6.56E-04	2.09E-05	2.21E-05	9.05E-04	1.88E-04	6.64E-10	2.79E-07	6.03E-07	1.88E-04	2.38E-04	6.56E-04	2.09E-05	2.21E-05	9.37E-04
1134	482881.63	3853184.48	0.05638	0.02178	0.0033	0.00699	2.10E-04	6.50E-04	2.09E-05	2.21E-05	9.03E-04	1.91E-04	6.58E-10	2.79E-07	6.02E-07	1.92E-04	2.43E-04	6.50E-04	2.09E-05	2.21E-05	9.36E-04
1135	484154.84	3854250.98	0.11168	0.02081	0.0041	0.02043	4.17E-04	6.21E-04	2.63E-05	6.45E-05	1.13E-03	3.79E-04	6.28E-10	3.50E-07	1.76E-06	3.81E-04	4.82E-04	6.21E-04	2.63E-05	6.45E-05	1.19E-03
1136	484204.84	3854250.98	0.1075	0.02077	0.0042	0.02063	4.01E-04	6.20E-04	2.65E-05	6.51E-05	1.11E-03	3.65E-04	6.27E-10	3.54E-07	1.78E-06	3.67E-04	4.64E-04	6.20E-04	2.65E-05	6.51E-05	1.18E-03
1137	484154.84	3854300.98	0.11397	0.02127	0.0041	0.0227	4.25E-04	6.35E-04	2.64E-05	7.17E-05	1.16E-03	3.87E-04	6.42E-10	3.52E-07	1.95E-06	3.89E-04	4.92E-04	6.35E-04	2.64E-05	7.17E-05	1.22E-03
1138	484204.84	3854300.98	0.11111	0.02151	0.0042	0.02287	4.15E-04	6.42E-04	2.66E-05	7.22E-05	1.16E-03	3.77E-04	6.50E-10	3.55E-07	1.97E-06	3.80E-04	4.79E-04	6.42E-04	2.66E-05	7.22E-05	1.22E-03
1139	484074.19	3854519.8	0.13159	0.0288	0.0043	0.03753	4.91E-04	8.59E-04	2.74E-05	1.18E-04	1.50E-03	4.47E-04	8.70E-10	3.66E-07	3.23E-06	4.50E-04	5.68E-04	8.59E-04	2.74E-05	1.18E-04	1.57E-03
1140	484124.19	3854519.8	0.13027	0.02855	0.0043	0.03686	4.86E-04	8.52E-04	2.75E-05	1.16E-04	1.48E-03	4.42E-04	8.62E-10	3.67E-07	3.17E-06	4.46E-04	5.62E-04	8.52E-04	2.75E-05	1.16E-04	1.56E-03
1141	484074.19	3854569.8	0.1345	0.0318	0.0043	0.04192	5.02E-04	9.49E-04	2.77E-05	1.32E-04	1.61E-03	4.57E-04	9.60E-10	3.69E-07	3.61E-06	4.61E-04	5.80E-04	9.49E-04	2.77E-05	1.32E-04	1.69E-03
1142	484124.19	3854569.8	0.13136	0.03127	0.0044	0.04078	4.90E-04	9.33E-04	2.77E-05	1.29E-04	1.58E-03	4.46E-04	9.44E-10	3.70E-07	3.51E-06	4.50E-04	5.67E-04	9.33E-04	2.77E-05	1.29E-04	1.66E-03
1143	485205.11	3855188.89	1.97729	0.09517	0.0055	0.03793	7.38E-03	2.84E-03	3.50E-05	1.20E-04	1.04E-02	6.71E-03	2.87E-09	4.67E-07	3.27E-06	6.72E-03	8.53E-03	2.84E-03	3.50E-05	1.20E-04	1.15E-02
1144	485255.11	3855188.89	1.75166	0.09213	0.0056	0.03825	6.54E-03	2.75E-03	3.58E-05	1.21E-04	9.44E-03	5.95E-03	2.78E-09	4.77E-07	3.29E-06	5.95E-03	7.56E-03	2.75E-03	3.58E-05	1.21E-04	1.05E-02
1145	485205.11	3855238.89	2.37528	0.09966	0.0055	0.04014	8.86E-03	2.97E-03	3.51E-05	1.27E-04	1.20E-02	8.06E-03	3.01E-09	4.69E-07	3.46E-06	8.07E-03	1.02E-02	2.97E-03	3.51E-05	1.27E-04	1.34E-02
1146	485255.11	3855238.89	2.1617	0.09821	0.0056	0.04059	8.07E-03	2.93E-03	3.57E-05	1.28E-04	1.12E-02	7.34E-03	2.97E-09	4.75E-07	3.50E-06	7.34E-03	9.33E-03	2.93E-03	3.57E-05	1.28E-04	1.24E-02
1147	485205.11	3855288.89	3.19095	0.10937	0.0055	0.04272	1.19E-02	3.26E-03	3.53E-05	1.35E-04	1.53E-02	1.08E-02	3.30E-09	4.70E-07	3.68E-06	1.08E-02	1.38E-02	3.26E-03	3.53E-05	1.35E-04	1.72E-02
1148	485255.11	3855288.89	2.78057	0.10737	0.0056	0.04332	1.04E-02	3.20E-03	3.57E-05	1.37E-04	1.38E-02	9.44E-03	3.24E-09	4.75E-07	3.73E-06	9.44E-03	1.20E-02	3.20E-03	3.57E-05	1.37E-04	1.54E-02
1149	485255.11	3855338.89	3.57907	0.11753	0.0056	0.04652	1.34E-02	3.51E-03	3.58E-05	1.47E-04	1.70E-02	1.22E-02	3.55E-09	4.78E-07	4.01E-06	1.22E-02	1.54E-02	3.51E-03	3.58E-05	1.47E-04	1.91E-02
1150	485305.11	3855338.89	3.09684	0.11399	0.0057	0.04705	1.16E-02	3.40E-03	3.62E-05	1.49E-04	1.51E-02	1.05E-02	3.44E-09	4.83E-07	4.05E-06	1.05E-02	1.34E-02	3.40E-03	3.62E-05	1.49E-04	1.69E-02
1151	485852.5	3855635.28	2.72638	0.14032	0.007	0.0673	1.02E-02	4.19E-03	4.48E-05	2.12E-04	1.46E-02	9.26E-03	4.24E-09	5.98E-07	5.80E-06	9.26E-03	1.18E-02	4.19E-03	4.48E-05	2.12E-04	1.62E-02
1152	485902.5	3855635.28	2.49124	0.1364	0.0073	0.06661	9.30E-03	4.07E-03	4.64E-05	2.10E-04	1.36E-02	8.46E-03	4.12E-09	6.19E-07	5.74E-06	8.46E-03	1.07E-02	4.07E-03	4.64E-05	2.10E-04	1.51E-02
1153	485852.5	3855685.28	3.04007	0.14854	0.007	0.07165	1.13E-02	4.43E-03	4.45E-05	2.26E-04	1.60E-02	1.03E-02	4.49E-09	5.93E-07	6.17E-06	1.03E-02	1.31E-02	4.43E-03	4.45E-05	2.26E-04	1.78E-02
1154	485902.5	3855685.28	2.75909	0.14426	0.0072	0.07083	1.03E-02	4.30E-03	4.59E-05	2.24E-04	1.49E-02	9.37E-03	4.36E-09	6.12E-07	6.10E-06	9.37E-03	1.19E-02	4.30E-03	4.59E-05	2.24E-04	1.65E-02
1155	485852.5	3855735.28	3.41335	0.15733	0.0069	0.07634	1.27E-02	4.69E-03	4.43E-05	2.41E-04	1.77E-02	1.16E-02	4.75E-09	5.90E-07	6.57E-06	1.16E-02	1.47E-02	4.69E-03	4.43E-05	2.41E-04	1.97E-02

1156	485902.5	3855735.28	3.10425	0.15387	0.0071	0.07526	1.16E-02	4.59E-03	4.55E-05	2.38E-04	1.65E-02	1.05E-02	4.65E-09	6.06E-07	6.48E-06	1.05E-02	1.34E-02	4.59E-03	4.55E-05	2.38E-04	1.83E-02
1157	485852.5	3855785.28	3.9184	0.16828	0.0069	0.08112	1.46E-02	5.02E-03	4.43E-05	2.56E-04	1.99E-02	1.33E-02	5.08E-09	5.90E-07	6.99E-06	1.33E-02	1.69E-02	5.02E-03	4.43E-05	2.56E-04	2.22E-02
1158	485902.5	3855785.28	3.46548	0.16234	0.0071	0.07982	1.29E-02	4.84E-03	4.53E-05	2.52E-04	1.81E-02	1.18E-02	4.90E-09	6.04E-07	6.87E-06	1.18E-02	1.50E-02	4.84E-03	4.53E-05	2.52E-04	2.01E-02
1159	486809.46	3856465.28	3.07916	0.224	0.0118	0.05663	1.15E-02	6.68E-03	7.52E-05	1.79E-04	1.84E-02	1.05E-02	6.76E-09	1.00E-06	4.88E-06	1.05E-02	1.33E-02	6.68E-03	7.52E-05	1.79E-04	2.02E-02
1160	486859.46	3856465.28	2.9022	0.22199	0.012	0.05508	1.08E-02	6.62E-03	7.64E-05	1.74E-04	1.77E-02	9.85E-03	6.70E-09	1.02E-06	4.74E-06	9.86E-03	1.25E-02	6.62E-03	7.64E-05	1.74E-04	1.94E-02
1161	486909.46	3856465.28	2.73787	0.21934	0.0122	0.05365	1.02E-02	6.54E-03	7.76E-05	1.69E-04	1.70E-02	9.30E-03	6.62E-09	1.04E-06	4.62E-06	9.30E-03	1.18E-02	6.54E-03	7.76E-05	1.69E-04	1.86E-02
1162	486809.46	3856515.28	3.36629	0.23279	0.0119	0.05489	1.26E-02	6.94E-03	7.61E-05	1.73E-04	1.98E-02	1.14E-02	7.03E-09	1.01E-06	4.73E-06	1.14E-02	1.45E-02	6.94E-03	7.61E-05	1.73E-04	2.17E-02
1163	486859.46	3856515.28	3.15936	0.23126	0.0122	0.05338	1.18E-02	6.90E-03	7.76E-05	1.69E-04	1.89E-02	1.07E-02	6.98E-09	1.03E-06	4.60E-06	1.07E-02	1.36E-02	6.90E-03	7.76E-05	1.69E-04	2.08E-02
1164	486909.46	3856515.28	2.96805	0.22891	0.0124	0.05199	1.11E-02	6.83E-03	7.89E-05	1.64E-04	1.81E-02	1.01E-02	6.91E-09	1.05E-06	4.48E-06	1.01E-02	1.28E-02	6.83E-03	7.89E-05	1.64E-04	1.99E-02
1165	486980.94	3856357.95	2.20906	0.19908	0.0123	0.0544	8.24E-03	5.94E-03	7.85E-05	1.72E-04	1.44E-02	7.50E-03	6.01E-09	1.05E-06	4.68E-06	7.51E-03	9.53E-03	5.94E-03	7.85E-05	1.72E-04	1.57E-02
1166	487030.94	3856357.95	2.11731	0.19728	0.0128	0.05312	7.90E-03	5.89E-03	8.15E-05	1.68E-04	1.40E-02	7.19E-03	5.96E-09	1.09E-06	4.57E-06	7.19E-03	9.14E-03	5.89E-03	8.15E-05	1.68E-04	1.53E-02
1167	486980.94	3856407.95	2.35737	0.2075	0.0124	0.05327	8.80E-03	6.19E-03	7.88E-05	1.68E-04	1.52E-02	8.00E-03	6.27E-09	1.05E-06	4.59E-06	8.01E-03	1.02E-02	6.19E-03	7.88E-05	1.68E-04	1.66E-02
1168	487030.94	3856407.95	2.25108	0.20534	0.0128	0.052	8.40E-03	6.13E-03	8.16E-05	1.64E-04	1.48E-02	7.64E-03	6.20E-09	1.09E-06	4.48E-06	7.65E-03	9.71E-03	6.13E-03	8.16E-05	1.64E-04	1.61E-02
1169	487447.18	3856437.45	1.68371	0.19506	0.0173	0.04315	6.28E-03	5.82E-03	1.10E-04	1.36E-04	1.23E-02	5.72E-03	5.89E-09	1.47E-06	3.72E-06	5.72E-03	7.27E-03	5.82E-03	1.10E-04	1.36E-04	1.33E-02
1170	487497.18	3856437.45	1.62771	0.19353	0.0183	0.04235	6.07E-03	5.77E-03	1.17E-04	1.34E-04	1.21E-02	5.53E-03	5.84E-09	1.56E-06	3.65E-06	5.53E-03	7.02E-03	5.77E-03	1.17E-04	1.34E-04	1.30E-02
1171	487547.18	3856437.45	1.57511	0.19223	0.0194	0.04157	5.88E-03	5.73E-03	1.24E-04	1.31E-04	1.19E-02	5.35E-03	5.81E-09	1.65E-06	3.58E-06	5.35E-03	6.80E-03	5.73E-03	1.24E-04	1.31E-04	1.28E-02
1172	487447.18	3856487.45	1.75893	0.20201	0.0175	0.04204	6.56E-03	6.03E-03	1.12E-04	1.33E-04	1.28E-02	5.97E-03	6.10E-09	1.49E-06	3.62E-06	5.98E-03	7.59E-03	6.03E-03	1.12E-04	1.33E-04	1.39E-02
1173	487497.18	3856487.45	1.69673	0.2002	0.0185	0.04128	6.33E-03	5.97E-03	1.18E-04	1.30E-04	1.26E-02	5.76E-03	6.05E-09	1.57E-06	3.55E-06	5.77E-03	7.32E-03	5.97E-03	1.18E-04	1.30E-04	1.35E-02
1174	487547.18	3856487.45	1.64406	0.19883	0.0196	0.04054	6.13E-03	5.93E-03	1.25E-04	1.28E-04	1.23E-02	5.58E-03	6.00E-09	1.67E-06	3.49E-06	5.59E-03	7.09E-03	5.93E-03	1.25E-04	1.28E-04	1.33E-02
1175	487447.18	3856537.45	1.84307	0.20895	0.0178	0.04088	6.88E-03	6.23E-03	1.13E-04	1.29E-04	1.34E-02	6.26E-03	6.31E-09	1.51E-06	3.52E-06	6.26E-03	7.95E-03	6.23E-03	1.13E-04	1.29E-04	1.44E-02
1176	487497.18	3856537.45	1.77336	0.20684	0.0187	0.04017	6.62E-03	6.17E-03	1.19E-04	1.27E-04	1.30E-02	6.02E-03	6.25E-09	1.59E-06	3.46E-06	6.03E-03	7.65E-03	6.17E-03	1.19E-04	1.27E-04	1.41E-02
1177	487547.18	3856537.45	1.70921	0.20558	0.0198	0.03946	6.38E-03	6.13E-03	1.26E-04	1.25E-04	1.28E-02	5.80E-03	6.21E-09	1.68E-06	3.40E-06	5.81E-03	7.38E-03	6.13E-03	1.26E-04	1.25E-04	1.38E-02
1178	489285.89	3858826.54	0.10586	0.69726	0.047	0.07792	3.95E-04	2.08E-02	2.99E-04	2.46E-04	2.17E-02	3.59E-04	2.11E-08	3.99E-06	6.71E-06	3.70E-04	4.57E-04	2.08E-02	2.99E-04	2.46E-04	2.18E-02
1179	489335.89	3858826.54	0.10541	0.67806	0.0484	0.077	3.93E-04	2.02E-02	3.09E-04	2.43E-04	2.12E-02	3.58E-04	2.05E-08	4.12E-06	6.63E-06	3.69E-04	4.55E-04	2.02E-02	3.09E-04	2.43E-04	2.12E-02
1180	489385.89	3858826.54	0.10515	0.65841	0.0498	0.07602	3.92E-04	1.96E-02	3.18E-04	2.40E-04	2.06E-02	3.57E-04	1.99E-08	4.24E-06	6.55E-06	3.68E-04	4.54E-04	1.96E-02	3.18E-04	2.40E-04	2.07E-02
1181	489435.89	3858826.54	0.10496	0.64063	0.051	0.07505	3.92E-04	1.91E-02	3.25E-04	2.37E-04	2.01E-02	3.56E-04	1.93E-08	4.34E-06	6.46E-06	3.67E-04	4.53E-04	1.91E-02	3.25E-04	2.37E-04	2.01E-02
1182	489485.89	3858826.54	0.10488	0.62402	0.0521	0.07407	3.91E-04	1.86E-02	3.32E-04	2.34E-04	1.96E-02	3.56E-04	1.88E-08	4.43E-06	6.38E-06	3.67E-04	4.53E-04	1.86E-02	3.32E-04	2.34E-04	1.96E-02
1183	489535.89	3858826.54	0.10492	0.608	0.053	0.0731	3.92E-04	1.81E-02	3.38E-04	2.31E-04	1.91E-02	3.56E-04	1.84E-08	4.51E-06	6.29E-06	3.67E-04	4.53E-04	1.81E-02	3.38E-04	2.31E-04	1.92E-02
1184	489585.89	3858826.54	0.10506	0.59291	0.0539	0.07214	3.92E-04	1.77E-02	3.44E-04	2.28E-04	1.87E-02	3.57E-04	1.79E-08	4.58E-06	6.21E-06	3.67E-04	4.53E-04	1.77E-02	3.44E-04	2.28E-04	1.87E-02
1185	489635.89	3858826.54	0.10532	0.57797	0.0546	0.07118	3.93E-04	1.72E-02	3.48E-04	2.25E-04	1.82E-02	3.58E-04	1.75E-08	4.64E-06	6.13E-06	3.68E-04	4.54E-04	1.72E-02	3.48E-04	2.25E-04	1.83E-02
1186	489685.89	3858826.54	0.10568	0.56349	0.0552	0.07024	3.94E-04	1.68E-02	3.52E-04	2.22E-04	1.78E-02	3.59E-04	1.70E-08	4.70E-06	6.05E-06	3.70E-04	4.56E-04	1.68E-02	3.52E-04	2.22E-04	1.78E-02
1187	489735.89	3858826.54	0.10613	0.5496	0.0557	0.06931	3.96E-04	1.64E-02	3.56E-04	2.19E-04	1.74E-02	3.60E-04	1.66E-08	4.74E-06	5.97E-06	3.71E-04	4.58E-04	1.64E-02	3.56E-04	2.19E-04	1.74E-02
1188	489785.89	3858826.54	0.10659	0.5371	0.0563	0.0684	3.98E-04	1.60E-02	3.59E-04	2.16E-04	1.70E-02	3.62E-04	1.62E-08	4.78E-06	5.89E-06	3.73E-04	4.60E-04	1.60E-02	3.59E-04	2.16E-04	1.71E-02
1189	489835.89	3858826.54	0.10718	0.52409	0.0567	0.06748	4.00E-04	1.56E-02	3.62E-04	2.13E-04	1.66E-02	3.64E-04	1.58E-08	4.82E-06	5.81E-06	3.75E-04	4.62E-04	1.56E-02	3.62E-04	2.13E-04	1.67E-02
1190	489885.89	3858826.54	0.10773	0.51278	0.0571	0.06658	4.02E-04	1.53E-02	3.64E-04	2.10E-04	1.63E-02	3.66E-04	1.55E-08	4.86E-06	5.73E-06	3.76E-04	4.65E-04	1.53E-02	3.64E-04	2.10E-04	1.63E-02
1191	489935.89	3858826.54	0.10834	0.50163	0.0575	0.06568	4.04E-04	1.50E-02	3.67E-04	2.07E-04	1.59E-02	3.68E-04	1.51E-08	4.89E-06	5.66E-06	3.78E-04	4.67E-04	1.50E-02	3.67E-04	2.07E-04	1.60E-02
1192	489985.89	3858826.54	0.10899	0.4906	0.0579	0.06479	4.07E-04	1.46E-02	3.69E-04	2.05E-04	1.56E-02	3.70E-04	1.48E-08	4.92E-06	5.58E-06	3.81E-04	4.70E-04	1.46E-02	3.69E-04	2.05E-04	1.57E-02
1193	490035.89	3858826.54	0.10974	0.47881	0.0581	0.0639	4.09E-04	1.43E-02	3.71E-04	2.02E-04	1.53E-02	3.73E-04	1.45E-08	4.94E-06	5.50E-06	3.83E-04	4.74E-04	1.43E-02	3.71E-04	2.02E-04	1.53E-02
1194	489285.89	3858876.54	0.103	0.74913	0.0412	0.08253	3.84E-04	2.23E-02	2.63E-04	2.61E-04	2.33E-02	3.50E-04	2.26E-08	3.51E-06	7.11E-06	3.60E-04	4.44E-04	2.23E-02	2.63E-04	2.61E-04	2.33E-02
1195	489335.89	3858876.54	0.10244	0.72485	0.0426	0.08137	3.82E-04	2.16E-02	2.72E-04	2.57E-04	2.25E-02	3.48E-04	2.19E-08	3.62E-06	7.01E-06	3.58E-04	4.42E-04	2.16E-02	2.72E-04	2.57E-04	2.26E-02
1196	489385.89	3858876.54	0.10197	0.70252	0.0439	0.0802	3.80E-04	2.10E-02	2.80E-04	2.53E-04	2.19E-02	3.46E-04	2.12E-08	3.73E-06	6.91E-06	3.57E-04	4.40E-04	2.10E-02	2.80E-04	2.53E-04	2.19E-02
1197	489435.89	3858876.54	0.10162	0.68136	0.0451	0.07902	3.79E-04	2.03E-02	2.88E-04	2.49E-04	2.12E-02	3.45E-04	2.06E-08	3.83E-06	6.80E-06	3.56E-04	4.39E-04	2.03E-02	2.88E-04	2.49E-04	2.13E-02
1198	489485.89	3858876.54	0.10139	0.66137	0.0462	0.07785	3.78E-04	1.97E-02	2.95E-04	2.46E-04	2.06E-02	3.44E-04	2.00E-08	3.93E-06	6.70E-06	3.55E-04	4.38E-04	1.97E-02	2.95E-04	2.46E-04	2.07E-02
1199	489535.89	3858876.54	0.10128	0.6423	0.0472	0.07669	3.78E-04	1.92E-02	3.01E-04	2.42E-04	2.01E-02	3.44E-04	1.94E-08	4.02E-06	6.60E-06	3.54E-04	4.37E-04	1.92E-02	3.01E-04	2.42E-04	2.01E-02
1200	489585.89	3858876.54	0.10131	0.62341	0.0481	0.07554	3.78E-04	1.86E-02	3.07E-04	2.39E-04	1.95E-02	3.44E-04	1.88E-08	4.09E-06	6.50E-06	3.55E-04	4.37E-04	1.86E-02	3.07E-04	2.39E-04	1.96E-02
1201	489635.89	3858876.54	0.10138	0.60682	0.0489	0.07444	3.78E-04	1.81E-02	3.12E-04	2.35E-04	1.90E-02	3.44E-04	1.83E-08	4.16E-06	6.41E-06	3.55E-04	4.37E-04	1.81E-02	3.12E-04	2.35E-04	1.91E-02
1202	489685.89	3858876.54	0.10158	0.59041	0.0496	0.07335	3.79E-04	1.76E-02	3.16E-04	2.32E-04	1.85E-02	3.45E-04	1.78E-08	4.22E-06	6.32E-06	3.55E-04	4.38E-04	1.76E-02	3.16E-04	2.32E-04	1.86E-02
1203	489735.89	3858876.54	0.1019	0.57432	0.0502	0.07227	3.80E-04	1.71E-02	3.20E-04	2.28E-04	1.81E-02	3.46E-04	1.73E-08	4.27E-06	6.22E-06	3.56E-04	4.40E-04	1.71E-02	3.20E-04	2.28E-04	1.81E-02
1204	489785.89	3858876.54	0.10223	0.56015	0.0507	0.07121	3.81E-04	1.67E-02	3.23E-04	2.25E-04	1.76E-02	3.47E-04	1.69E-08	4.31E-06	6.13E-06	3.58E-04	4.41E-04	1.67E-02	3.23E-04	2.25E-04	1.77E-02
1205	489835.89	3858876.54	0.10268	0.5458	0.0512	0.07016	3.83E-04	1.63E-02	3.26E-04	2.22E-04	1.72E-02	3.49E-04	1.65E-08	4.35E-06	6.04E-06	3.59E-04	4.43E-04	1.63E-02	3.26E-04	2.22E-04	1.73E-02
1206	489885.89	3858876.54	0.10309	0.53377	0.0517	0.06914	3.85E-04	1.59E-02	3.30E-04	2.18E-04	1.69E-02	3.50E-04	1.61E-08	4.40E-06	5.95E-06	3.60E-04	4.45E-04	1.59E-02	3.30E-04	2.18E-04	1.69E-02
1207	489935.89	3858876.54	0.10367	0.52036	0.0521	0.06811	3.87E-04	1.55E-02	3.32E-04	2.15E-04	1.65E-02	3.52E-04	1.57E-08	4.43E-06	5.86E-06	3.62E-04	4.47E-04	1.55E-02	3.32E-04	2.15E-04	1.65E-02
1208	489985.89	3858876.54	0.10432	0.50721	0.0525	0.0671	3.89E-04	1.51E-02	3.35E-04	2.12E-04	1.61E-02	3.54E-04	1.53E-08	4.46E-06	5.78E-06	3.64E-04	4.50E-04	1.51E-02	3.35E-04	2.12E-04	1.61E-02
1209	490035.89	3858876.54	0.10497	0.49486	0.0528	0.06612	3.92E-04	1.48E-02	3.37E-04	2.09E-04	1.57E-02	3.56E-04	1.49E-08	4.49E-06	5.69E-06	3.67E-04	4.53E-04	1.48E-02	3.37E-04	2.09E-04	1.58E-02
1210	489285.89	3858926.54	0.10038	0.80299	0.0365	0.08746	3.75E-04	2.40E-02	2.33E-04	2.76E-04	2.48E-02	3.41E-04	2.42E-08	3.11E-06	7.53E-06	3.51E-04	4.33E-04	2.40E-02	2.33E-04	2.76E-04	2.49E-02
1211	489335.89	3858926.54	0.09973	0.7734	0.0377	0.08603	3.72E-04	2.31E-02	2.41E-04	2.72E-04	2.40E-02	3.39E-04	2.34E-08	3.21E-06	7.41E-06	3.49E-04	4.30E-04	2.31E-02	2.41E-04	2.72E-04	2.40E-02
1212	489385.89	3858926.54	0.0992	0.74534	0.039	0.08458	3.70E-04	2.22E-02	2.48E-04	2.67E-04	2.31E-02	3.37E-04	2.25E-08	3.31E-06	7.28E-06	3.47E-04	4.28E-04	2.22E-02	2.48E-04	2.67E-04	2.32E-02
1213	489435.89	3858926.54	0.09871	0.72063	0.0401	0.08318	3.68E-04	2.15E-02	2.56E-04	2.63E-04	2.24E-02	3.35E-04	2.18E-08	3.41E-06	7.16E-06	3.46E-04	4.26E-04	2.15E-02	2.56E-04	2.63E-04	2.24E-02
1214	489485.89	3858926.54	0.09834	0.69723	0.0412	0.08181	3.67E-04	2.08E-02	2.63E-04	2.58E-04	2.17E-02	3.34E-04	2.11E-08	3.50E-06	7.04E-06	3.44E-04	4.24E-04	2.08E-02	2.63E-04	2.58E-04	2.17E-02
1215	489535.89	3858926.54	0.09808	0.67527	0.0422	0.08047	3.66E-04	2.01E-02	2.69E-04	2.54E-04	2.10E-02	3.33E-04	2.04E-08	3.59E-06	6.93E-06	3.44E-04	4.23E-04	2.01E-02	2.69E-04	2.54E-04	2.11E-02
1216	489585.89	3858926.54	0.09793	0.65439	0.0431	0.07917	3.65E-04	1.95E-02	2.75E-04	2.50E-04	2.04E-02	3.32E-04	1.98E-08	3.67E-06	6.82E-06	3.43E-04	4.23E-04	1.95E-02	2.75E-04	2.50E-04	2.05E-02

1217	489635.89	3858926.54	0.09788	0.63489	0.0439	0.0779	3.65E-04	1.89E-02	2.80E-04	2.46E-04	1.98E-02	3.32E-04	1.92E-08	3.74E-06	6.71E-06	3.43E-04	4.22E-04	1.89E-02	2.80E-04	2.46E-04	1.99E-02
1218	489685.89	3858926.54	0.09796	0.61569	0.0447	0.07664	3.66E-04	1.84E-02	2.85E-04	2.42E-04	1.93E-02	3.33E-04	1.86E-08	3.80E-06	6.60E-06	3.43E-04	4.23E-04	1.84E-02	2.85E-04	2.42E-04	1.93E-02
1219	489735.89	3858926.54	0.09806	0.59902	0.0453	0.07543	3.66E-04	1.79E-02	2.89E-04	2.38E-04	1.88E-02	3.33E-04	1.81E-08	3.85E-06	6.50E-06	3.43E-04	4.23E-04	1.79E-02	2.89E-04	2.38E-04	1.88E-02
1220	489785.89	3858926.54	0.09824	0.58341	0.0459	0.07422	3.67E-04	1.74E-02	2.93E-04	2.34E-04	1.83E-02	3.34E-04	1.76E-08	3.90E-06	6.39E-06	3.44E-04	4.24E-04	1.74E-02	2.93E-04	2.34E-04	1.84E-02
1221	489835.89	3858926.54	0.09857	0.56721	0.0464	0.07301	3.68E-04	1.69E-02	2.96E-04	2.31E-04	1.78E-02	3.35E-04	1.71E-08	3.95E-06	6.29E-06	3.45E-04	4.25E-04	1.69E-02	2.96E-04	2.31E-04	1.79E-02
1222	489885.89	3858926.54	0.09891	0.55302	0.0469	0.07185	3.69E-04	1.65E-02	2.99E-04	2.27E-04	1.74E-02	3.36E-04	1.67E-08	3.99E-06	6.19E-06	3.46E-04	4.27E-04	1.65E-02	2.99E-04	2.27E-04	1.75E-02
1223	489935.89	3858926.54	0.09935	0.5388	0.0473	0.07069	3.71E-04	1.61E-02	3.02E-04	2.23E-04	1.70E-02	3.37E-04	1.63E-08	4.03E-06	6.09E-06	3.47E-04	4.29E-04	1.61E-02	3.02E-04	2.23E-04	1.70E-02
1224	489985.89	3858926.54	0.09992	0.52421	0.0477	0.06955	3.73E-04	1.56E-02	3.04E-04	2.20E-04	1.65E-02	3.39E-04	1.58E-08	4.06E-06	5.99E-06	3.49E-04	4.31E-04	1.56E-02	3.04E-04	2.20E-04	1.66E-02
1225	490035.89	3858926.54	0.10061	0.50876	0.0481	0.06842	3.75E-04	1.52E-02	3.07E-04	2.16E-04	1.61E-02	3.42E-04	1.54E-08	4.09E-06	5.89E-06	3.52E-04	4.34E-04	1.52E-02	3.07E-04	2.16E-04	1.61E-02
1226	489335.89	3858976.54	0.0973	0.81934	0.0338	0.09094	3.63E-04	2.44E-02	2.15E-04	2.87E-04	2.53E-02	3.30E-04	2.47E-08	2.87E-06	7.83E-06	3.41E-04	4.20E-04	2.44E-02	2.15E-04	2.87E-04	2.54E-02
1227	489385.89	3858976.54	0.0967	0.78656	0.0349	0.08923	3.61E-04	2.35E-02	2.22E-04	2.82E-04	2.43E-02	3.28E-04	2.38E-08	2.96E-06	7.68E-06	3.39E-04	4.17E-04	2.35E-02	2.22E-04	2.82E-04	2.44E-02
1228	489435.89	3858976.54	0.09607	0.75911	0.0358	0.08764	3.58E-04	2.26E-02	2.29E-04	2.77E-04	2.35E-02	3.26E-04	2.29E-08	3.05E-06	7.55E-06	3.37E-04	4.15E-04	2.26E-02	2.29E-04	2.77E-04	2.36E-02
1229	489485.89	3858976.54	0.09561	0.73173	0.0369	0.08607	3.57E-04	2.18E-02	2.35E-04	2.72E-04	2.27E-02	3.25E-04	2.21E-08	3.13E-06	7.41E-06	3.35E-04	4.13E-04	2.18E-02	2.35E-04	2.72E-04	2.27E-02
1230	489535.89	3858976.54	0.09526	0.7059	0.0378	0.08454	3.55E-04	2.11E-02	2.41E-04	2.67E-04	2.19E-02	3.23E-04	2.13E-08	3.22E-06	7.28E-06	3.34E-04	4.11E-04	2.11E-02	2.41E-04	2.67E-04	2.20E-02
1231	489585.89	3858976.54	0.09493	0.68349	0.0387	0.08309	3.54E-04	2.04E-02	2.47E-04	2.62E-04	2.13E-02	3.22E-04	2.06E-08	3.29E-06	7.15E-06	3.33E-04	4.10E-04	2.04E-02	2.47E-04	2.62E-04	2.13E-02
1232	489635.89	3858976.54	0.09475	0.66146	0.0396	0.08164	3.54E-04	1.97E-02	2.53E-04	2.58E-04	2.06E-02	3.22E-04	2.00E-08	3.37E-06	7.03E-06	3.32E-04	4.09E-04	1.97E-02	2.53E-04	2.58E-04	2.07E-02
1233	489685.89	3858976.54	0.09469	0.64032	0.0404	0.0802	3.53E-04	1.91E-02	2.58E-04	2.53E-04	2.00E-02	3.21E-04	1.93E-08	3.43E-06	6.91E-06	3.32E-04	4.09E-04	1.91E-02	2.58E-04	2.53E-04	2.00E-02
1234	489735.89	3858976.54	0.09467	0.62153	0.0411	0.07879	3.53E-04	1.85E-02	2.62E-04	2.49E-04	1.94E-02	3.21E-04	1.88E-08	3.49E-06	6.78E-06	3.32E-04	4.09E-04	1.85E-02	2.62E-04	2.49E-04	1.95E-02
1235	489785.89	3858976.54	0.09469	0.60474	0.0417	0.07742	3.53E-04	1.80E-02	2.66E-04	2.44E-04	1.89E-02	3.21E-04	1.83E-08	3.54E-06	6.67E-06	3.32E-04	4.09E-04	1.80E-02	2.66E-04	2.44E-04	1.90E-02
1236	489835.89	3858976.54	0.09482	0.58831	0.0422	0.07607	3.54E-04	1.76E-02	2.69E-04	2.40E-04	1.84E-02	3.22E-04	1.78E-08	3.59E-06	6.55E-06	3.32E-04	4.09E-04	1.76E-02	2.69E-04	2.40E-04	1.85E-02
1237	489885.89	3858976.54	0.09515	0.57051	0.0427	0.0747	3.55E-04	1.70E-02	2.72E-04	2.36E-04	1.79E-02	3.23E-04	1.72E-08	3.63E-06	6.43E-06	3.33E-04	4.11E-04	1.70E-02	2.72E-04	2.36E-04	1.79E-02
1238	489935.89	3858976.54	0.09551	0.55452	0.0432	0.07339	3.56E-04	1.65E-02	2.75E-04	2.32E-04	1.74E-02	3.24E-04	1.67E-08	3.67E-06	6.32E-06	3.34E-04	4.12E-04	1.65E-02	2.75E-04	2.32E-04	1.75E-02
1239	489985.89	3858976.54	0.09592	0.53969	0.0436	0.07211	3.58E-04	1.61E-02	2.78E-04	2.28E-04	1.70E-02	3.26E-04	1.63E-08	3.70E-06	6.21E-06	3.36E-04	4.14E-04	1.61E-02	2.78E-04	2.28E-04	1.70E-02
1240	490035.89	3858976.54	0.09679	0.51727	0.0438	0.07077	3.61E-04	1.54E-02	2.79E-04	2.23E-04	1.63E-02	3.29E-04	1.56E-08	3.72E-06	6.09E-06	3.38E-04	4.18E-04	1.54E-02	2.79E-04	2.23E-04	1.64E-02
1241	489385.89	3859026.54	0.09442	0.82434	0.0315	0.09437	3.52E-04	2.46E-02	2.01E-04	2.98E-04	2.54E-02	3.21E-04	2.49E-08	2.67E-06	8.13E-06	3.31E-04	4.07E-04	2.46E-02	2.01E-04	2.98E-04	2.55E-02
1242	489435.89	3859026.54	0.09378	0.79198	0.0324	0.09253	3.50E-04	2.36E-02	2.06E-04	2.92E-04	2.45E-02	3.18E-04	2.39E-08	2.75E-06	7.97E-06	3.29E-04	4.05E-04	2.36E-02	2.06E-04	2.92E-04	2.45E-02
1243	489485.89	3859026.54	0.09322	0.76176	0.0333	0.09076	3.48E-04	2.27E-02	2.12E-04	2.87E-04	2.36E-02	3.16E-04	2.30E-08	2.83E-06	7.82E-06	3.27E-04	4.02E-04	2.27E-02	2.12E-04	2.87E-04	2.36E-02
1244	489535.89	3859026.54	0.09272	0.73452	0.0341	0.08904	3.46E-04	2.19E-02	2.18E-04	2.81E-04	2.28E-02	3.15E-04	2.22E-08	2.90E-06	7.67E-06	3.25E-04	4.00E-04	2.19E-02	2.18E-04	2.81E-04	2.28E-02
1245	489585.89	3859026.54	0.09234	0.70809	0.035	0.08733	3.45E-04	2.11E-02	2.23E-04	2.76E-04	2.20E-02	3.13E-04	2.14E-08	2.98E-06	7.52E-06	3.24E-04	3.98E-04	2.11E-02	2.23E-04	2.76E-04	2.20E-02
1246	489635.89	3859026.54	0.09201	0.68474	0.0358	0.08566	3.43E-04	2.04E-02	2.29E-04	2.70E-04	2.13E-02	3.12E-04	2.07E-08	3.05E-06	7.38E-06	3.23E-04	3.97E-04	2.04E-02	2.29E-04	2.70E-04	2.13E-02
1247	489685.89	3859026.54	0.09178	0.66268	0.0366	0.08401	3.42E-04	1.98E-02	2.33E-04	2.65E-04	2.06E-02	3.12E-04	2.00E-08	3.11E-06	7.23E-06	3.22E-04	3.96E-04	1.98E-02	2.33E-04	2.65E-04	2.07E-02
1248	489735.89	3859026.54	0.0916	0.64292	0.0373	0.0824	3.42E-04	1.92E-02	2.38E-04	2.60E-04	2.00E-02	3.11E-04	1.94E-08	3.17E-06	7.10E-06	3.21E-04	3.95E-04	1.92E-02	2.38E-04	2.60E-04	2.01E-02
1249	489785.89	3859026.54	0.09151	0.62417	0.0379	0.08082	3.41E-04	1.86E-02	2.42E-04	2.55E-04	1.95E-02	3.11E-04	1.88E-08	3.23E-06	6.96E-06	3.21E-04	3.95E-04	1.86E-02	2.42E-04	2.55E-04	1.95E-02
1250	489835.89	3859026.54	0.09162	0.60437	0.0385	0.07922	3.42E-04	1.80E-02	2.46E-04	2.50E-04	1.89E-02	3.11E-04	1.83E-08	3.28E-06	6.82E-06	3.21E-04	3.95E-04	1.80E-02	2.46E-04	2.50E-04	1.89E-02
1251	489885.89	3859026.54	0.09177	0.58665	0.0391	0.07769	3.42E-04	1.75E-02	2.49E-04	2.45E-04	1.83E-02	3.12E-04	1.77E-08	3.32E-06	6.69E-06	3.22E-04	3.96E-04	1.75E-02	2.49E-04	2.45E-04	1.84E-02
1252	489935.89	3859026.54	0.09202	0.56921	0.0395	0.07617	3.43E-04	1.70E-02	2.52E-04	2.40E-04	1.78E-02	3.12E-04	1.72E-08	3.36E-06	6.56E-06	3.22E-04	3.97E-04	1.70E-02	2.52E-04	2.40E-04	1.79E-02
1253	489985.89	3859026.54	0.09234	0.55269	0.0399	0.07469	3.45E-04	1.65E-02	2.54E-04	2.36E-04	1.73E-02	3.13E-04	1.67E-08	3.39E-06	6.43E-06	3.23E-04	3.98E-04	1.65E-02	2.54E-04	2.36E-04	1.74E-02
1254	490035.89	3859026.54	0.09317	0.527	0.0401	0.07316	3.48E-04	1.57E-02	2.56E-04	2.31E-04	1.66E-02	3.16E-04	1.59E-08	3.41E-06	6.30E-06	3.26E-04	4.02E-04	1.57E-02	2.56E-04	2.31E-04	1.66E-02
1255	489485.89	3859076.54	0.09106	0.78803	0.0303	0.096	3.40E-04	2.35E-02	1.93E-04	3.03E-04	2.43E-02	3.09E-04	2.38E-08	2.57E-06	8.27E-06	3.20E-04	3.93E-04	2.35E-02	1.93E-04	3.03E-04	2.44E-02
1256	489535.89	3859076.54	0.0905	0.75778	0.0311	0.09395	3.38E-04	2.26E-02	1.98E-04	2.97E-04	2.34E-02	3.07E-04	2.29E-08	2.64E-06	8.09E-06	3.18E-04	3.91E-04	2.26E-02	1.98E-04	2.97E-04	2.35E-02
1257	489585.89	3859076.54	0.09002	0.72979	0.0318	0.09193	3.36E-04	2.18E-02	2.03E-04	2.90E-04	2.26E-02	3.06E-04	2.20E-08	2.71E-06	7.92E-06	3.16E-04	3.88E-04	2.18E-02	2.03E-04	2.90E-04	2.27E-02
1258	489635.89	3859076.54	0.08954	0.70571	0.0326	0.08998	3.34E-04	2.11E-02	2.08E-04	2.84E-04	2.19E-02	3.04E-04	2.13E-08	2.77E-06	7.75E-06	3.15E-04	3.86E-04	2.11E-02	2.08E-04	2.84E-04	2.19E-02
1259	489685.89	3859076.54	0.08916	0.68287	0.0333	0.08805	3.33E-04	2.04E-02	2.12E-04	2.78E-04	2.12E-02	3.03E-04	2.06E-08	2.83E-06	7.58E-06	3.13E-04	3.85E-04	2.04E-02	2.12E-04	2.78E-04	2.12E-02
1260	489735.89	3859076.54	0.08888	0.66129	0.034	0.08616	3.32E-04	1.97E-02	2.17E-04	2.72E-04	2.05E-02	3.02E-04	2.00E-08	2.89E-06	7.42E-06	3.12E-04	3.84E-04	1.97E-02	2.17E-04	2.72E-04	2.06E-02
1261	489785.89	3859076.54	0.0887	0.64094	0.0346	0.08431	3.31E-04	1.91E-02	2.21E-04	2.66E-04	1.99E-02	3.01E-04	1.94E-08	2.94E-06	7.26E-06	3.11E-04	3.83E-04	1.91E-02	2.21E-04	2.66E-04	2.00E-02
1262	489835.89	3859076.54	0.08866	0.62068	0.0352	0.08248	3.31E-04	1.85E-02	2.25E-04	2.60E-04	1.93E-02	3.01E-04	1.87E-08	3.00E-06	7.10E-06	3.11E-04	3.83E-04	1.85E-02	2.25E-04	2.60E-04	1.94E-02
1263	489885.89	3859076.54	0.08871	0.60134	0.0358	0.08069	3.31E-04	1.79E-02	2.28E-04	2.55E-04	1.88E-02	3.01E-04	1.82E-08	3.05E-06	6.95E-06	3.11E-04	3.83E-04	1.79E-02	2.28E-04	2.55E-04	1.88E-02
1264	489935.89	3859076.54	0.08881	0.58373	0.0363	0.07895	3.31E-04	1.74E-02	2.32E-04	2.49E-04	1.82E-02	3.02E-04	1.76E-08	3.09E-06	6.80E-06	3.11E-04	3.83E-04	1.74E-02	2.32E-04	2.49E-04	1.83E-02
1265	489985.89	3859076.54	0.08906	0.56552	0.0367	0.07723	3.32E-04	1.69E-02	2.34E-04	2.44E-04	1.77E-02	3.02E-04	1.71E-08	3.12E-06	6.65E-06	3.12E-04	3.84E-04	1.69E-02	2.34E-04	2.44E-04	1.77E-02
1266	490035.89	3859076.54	0.0897	0.54044	0.0369	0.07548	3.35E-04	1.61E-02	2.35E-04	2.38E-04	1.69E-02	3.05E-04	1.63E-08	3.14E-06	6.50E-06	3.14E-04	3.87E-04	1.61E-02	2.35E-04	2.38E-04	1.70E-02
1267	489585.89	3859126.54	0.08789	0.74882	0.0291	0.09673	3.28E-04	2.23E-02	1.86E-04	3.05E-04	2.32E-02	2.98E-04	2.26E-08	2.48E-06	8.33E-06	3.09E-04	3.79E-04	2.23E-02	1.86E-04	3.05E-04	2.32E-02
1268	489635.89	3859126.54	0.08732	0.72338	0.0298	0.09441	3.26E-04	2.16E-02	1.90E-04	2.98E-04	2.24E-02	2.96E-04	2.18E-08	2.53E-06	8.13E-06	3.07E-04	3.77E-04	2.16E-02	1.90E-04	2.98E-04	2.24E-02
1269	489685.89	3859126.54	0.08687	0.69891	0.0304	0.09212	3.24E-04	2.09E-02	1.94E-04	2.91E-04	2.17E-02	2.95E-04	2.11E-08	2.59E-06	7.93E-06	3.05E-04	3.75E-04	2.09E-02	1.94E-04	2.91E-04	2.17E-02
1270	489735.89	3859126.54	0.08649	0.67604	0.0311	0.08989	3.23E-04	2.02E-02	1.98E-04	2.84E-04	2.10E-02	2.94E-04	2.04E-08	2.64E-06	7.74E-06	3.04E-04	3.73E-04	2.02E-02	1.98E-04	2.84E-04	2.10E-02
1271	489785.89	3859126.54	0.0862	0.65474	0.0317	0.08773	3.22E-04	1.95E-02	2.02E-04	2.77E-04	2.03E-02	2.93E-04	1.98E-08	2.69E-06	7.55E-06	3.03E-04	3.72E-04	1.95E-02	2.02E-04	2.77E-04	2.04E-02
1272	489835.89	3859126.54	0.08604	0.63373	0.0323	0.0856	3.21E-04	1.89E-02	2.06E-04	2.70E-04	1.97E-02	2.92E-04	1.91E-08	2.75E-06	7.37E-06	3.02E-04	3.71E-04	1.89E-02	2.06E-04	2.70E-04	1.98E-02
1273	489885.89	3859126.54	0.086	0.6132	0.0329	0.08351	3.21E-04	1.83E-02	2.10E-04	2.64E-04	1.91E-02	2.92E-04	1.85E-08	2.80E-06	7.19E-06	3.02E-04	3.71E-04	1.83E-02	2.10E-04	2.64E-04	1.91E-02
1274	489935.89	3859126.54	0.08598	0.59504	0.0334	0.08152	3.21E-04	1.78E-02	2.13E-04	2.57E-04	1.85E-02	2.92E-04	1.80E-08	2.84E-06	7.02E-06	3.02E-04	3.71E-04	1.78E-02	2.13E-04	2.57E-04	1.86E-02
1275	489985.89	3859126.54	0.08623	0.57363	0.0338	0.07951	3.22E-04	1.71E-02	2.16E-04	2.51E-04	1.79E-02	2.93E-04	1.73E-08	2.88E-06	6.85E-06	3.02E-04	3.72E-04	1.71E-02	2.16E-04	2.51E-04	1.80E-02
1276	490035.89	3859126.54	0.08654	0.55285	0.0341	0.0776	3.23E-04	1.65E-02	2.18E-04	2.45E-04	1.73E-02	2.94E-04	1.67E-08	2.90E-06	6.68E-06	3.03E-04	3.73E-04	1.65E-02	2.18E-04	2.45E-04	1.73E-02
1277	489585.89	3859176.54	0.08602	0.76175	0.0269	0.10135	3.21E-04	2.27E-02	1.71E-04	3.20E-04	2.35E-02	2.92E-04	2.30E-08	2.29E-06	8.73E-06	3.03E-04	3.71E-04	2.27E-02	1.71E-04	3.20E-04	2.36E-02

1278	489635.89	3859176.54	0.08538	0.73562	0.0274	0.0986	3.19E-04	2.19E-02	1.75E-04	3.11E-04	2.28E-02	2.90E-04	2.22E-08	2.33E-06	8.49E-06	3.01E-04	3.68E-04	2.19E-02	1.75E-04	3.11E-04	2.28E-02
1279	489685.89	3859176.54	0.0848	0.71155	0.028	0.09596	3.16E-04	2.12E-02	1.78E-04	3.03E-04	2.20E-02	2.88E-04	2.15E-08	2.38E-06	8.26E-06	2.99E-04	3.66E-04	2.12E-02	1.78E-04	3.03E-04	2.21E-02
1280	489735.89	3859176.54	0.0843	0.68867	0.0285	0.09339	3.15E-04	2.05E-02	1.82E-04	2.95E-04	2.13E-02	2.86E-04	2.08E-08	2.43E-06	8.04E-06	2.97E-04	3.64E-04	2.05E-02	1.82E-04	2.95E-04	2.14E-02
1281	489785.89	3859176.54	0.08397	0.66541	0.0291	0.09084	3.13E-04	1.99E-02	1.86E-04	2.87E-04	2.06E-02	2.85E-04	2.01E-08	2.48E-06	7.82E-06	2.95E-04	3.62E-04	1.99E-02	1.86E-04	2.87E-04	2.07E-02
1282	489835.89	3859176.54	0.0837	0.64408	0.0297	0.0884	3.12E-04	1.92E-02	1.90E-04	2.79E-04	2.00E-02	2.84E-04	1.95E-08	2.53E-06	7.61E-06	2.94E-04	3.61E-04	1.92E-02	1.90E-04	2.79E-04	2.00E-02
1283	489885.89	3859176.54	0.08355	0.62318	0.0303	0.08603	3.12E-04	1.86E-02	1.93E-04	2.72E-04	1.94E-02	2.84E-04	1.88E-08	2.58E-06	7.41E-06	2.94E-04	3.61E-04	1.86E-02	1.93E-04	2.72E-04	1.94E-02
1284	489935.89	3859176.54	0.08342	0.60456	0.0308	0.08378	3.11E-04	1.80E-02	1.97E-04	2.65E-04	1.88E-02	2.83E-04	1.83E-08	2.62E-06	7.21E-06	2.93E-04	3.60E-04	1.80E-02	1.97E-04	2.65E-04	1.89E-02
1285	489985.89	3859176.54	0.08356	0.58271	0.0313	0.08154	3.12E-04	1.74E-02	2.00E-04	2.57E-04	1.82E-02	2.84E-04	1.76E-08	2.66E-06	7.02E-06	2.93E-04	3.61E-04	1.74E-02	2.00E-04	2.57E-04	1.82E-02
1286	490035.89	3859176.54	0.08358	0.56623	0.0317	0.07949	3.12E-04	1.69E-02	2.02E-04	2.51E-04	1.77E-02	2.84E-04	1.71E-08	2.70E-06	6.84E-06	2.93E-04	3.61E-04	1.69E-02	2.02E-04	2.51E-04	1.77E-02
1287	489685.89	3859226.54	0.08301	0.71838	0.026	0.0993	3.10E-04	2.14E-02	1.66E-04	3.14E-04	2.22E-02	2.82E-04	2.17E-08	2.21E-06	8.55E-06	2.93E-04	3.58E-04	2.14E-02	1.66E-04	3.14E-04	2.23E-02
1288	489735.89	3859226.54	0.0824	0.69623	0.0264	0.0964	3.07E-04	2.08E-02	1.68E-04	3.04E-04	2.16E-02	2.80E-04	2.10E-08	2.25E-06	8.30E-06	2.90E-04	3.56E-04	2.08E-02	1.68E-04	3.04E-04	2.16E-02
1289	489785.89	3859226.54	0.08196	0.67331	0.0269	0.09355	3.06E-04	2.01E-02	1.72E-04	2.95E-04	2.09E-02	2.78E-04	2.03E-08	2.29E-06	8.06E-06	2.89E-04	3.54E-04	2.01E-02	1.72E-04	2.95E-04	2.09E-02
1290	489835.89	3859226.54	0.08165	0.65053	0.0275	0.09078	3.05E-04	1.94E-02	1.75E-04	2.87E-04	2.02E-02	2.77E-04	1.96E-08	2.34E-06	7.82E-06	2.87E-04	3.52E-04	1.94E-02	1.75E-04	2.87E-04	2.02E-02
1291	489885.89	3859226.54	0.08138	0.63	0.028	0.08818	3.04E-04	1.88E-02	1.79E-04	2.78E-04	1.96E-02	2.76E-04	1.90E-08	2.38E-06	7.59E-06	2.86E-04	3.51E-04	1.88E-02	1.79E-04	2.78E-04	1.96E-02
1292	489935.89	3859226.54	0.08119	0.61027	0.0286	0.08569	3.03E-04	1.82E-02	1.82E-04	2.71E-04	1.90E-02	2.76E-04	1.84E-08	2.43E-06	7.38E-06	2.85E-04	3.50E-04	1.82E-02	1.82E-04	2.71E-04	1.90E-02
1293	489985.89	3859226.54	0.08128	0.58675	0.029	0.08325	3.03E-04	1.75E-02	1.85E-04	2.63E-04	1.83E-02	2.76E-04	1.77E-08	2.47E-06	7.17E-06	2.86E-04	3.51E-04	1.75E-02	1.85E-04	2.63E-04	1.83E-02
1294	490035.89	3859226.54	0.08115	0.5714	0.0295	0.08108	3.03E-04	1.70E-02	1.88E-04	2.56E-04	1.78E-02	2.76E-04	1.73E-08	2.50E-06	6.98E-06	2.85E-04	3.50E-04	1.70E-02	1.88E-04	2.56E-04	1.78E-02
1295	489735.89	3859276.54	0.08072	0.69942	0.0246	0.09897	3.01E-04	2.09E-02	1.57E-04	3.12E-04	2.16E-02	2.74E-04	2.11E-08	2.09E-06	8.52E-06	2.85E-04	3.48E-04	2.09E-02	1.57E-04	3.12E-04	2.17E-02
1296	489785.89	3859276.54	0.08016	0.67755	0.0251	0.09589	2.99E-04	2.02E-02	1.60E-04	3.03E-04	2.10E-02	2.72E-04	2.05E-08	2.13E-06	8.26E-06	2.83E-04	3.46E-04	2.02E-02	1.60E-04	3.03E-04	2.10E-02
1297	489835.89	3859276.54	0.07979	0.6545	0.0256	0.09288	2.98E-04	1.95E-02	1.63E-04	2.93E-04	2.03E-02	2.71E-04	1.98E-08	2.17E-06	8.00E-06	2.81E-04	3.44E-04	1.95E-02	1.63E-04	2.93E-04	2.03E-02
1298	489885.89	3859276.54	0.07941	0.63443	0.026	0.09011	2.96E-04	1.89E-02	1.66E-04	2.85E-04	1.97E-02	2.70E-04	1.92E-08	2.21E-06	7.76E-06	2.80E-04	3.43E-04	1.89E-02	1.66E-04	2.85E-04	1.97E-02
1299	489935.89	3859276.54	0.07918	0.61378	0.0265	0.08744	2.95E-04	1.83E-02	1.69E-04	2.76E-04	1.91E-02	2.69E-04	1.85E-08	2.26E-06	7.53E-06	2.79E-04	3.42E-04	1.83E-02	1.69E-04	2.76E-04	1.91E-02
1300	489985.89	3859276.54	0.07922	0.58903	0.027	0.08483	2.96E-04	1.76E-02	1.72E-04	2.68E-04	1.83E-02	2.69E-04	1.78E-08	2.29E-06	7.30E-06	2.79E-04	3.42E-04	1.76E-02	1.72E-04	2.68E-04	1.84E-02
1301	490035.89	3859276.54	0.07888	0.5766	0.0274	0.0826	2.94E-04	1.72E-02	1.75E-04	2.61E-04	1.79E-02	2.68E-04	1.74E-08	2.33E-06	7.11E-06	2.77E-04	3.40E-04	1.72E-02	1.75E-04	2.61E-04	1.80E-02
1302	490458.06	3859590.74	0.06589	0.47941	0.0208	0.06784	2.46E-04	1.43E-02	1.32E-04	2.14E-04	1.49E-02	2.24E-04	1.45E-08	1.77E-06	5.84E-06	2.31E-04	2.84E-04	1.43E-02	1.32E-04	2.14E-04	1.49E-02
1303	490508.06	3859590.74	0.06593	0.4675	0.0211	0.06595	2.46E-04	1.39E-02	1.35E-04	2.08E-04	1.45E-02	2.24E-04	1.41E-08	1.80E-06	5.68E-06	2.31E-04	2.84E-04	1.39E-02	1.35E-04	2.08E-04	1.46E-02
1304	490558.06	3859590.74	0.06599	0.45587	0.0215	0.06418	2.46E-04	1.36E-02	1.37E-04	2.03E-04	1.42E-02	2.24E-04	1.38E-08	1.83E-06	5.53E-06	2.31E-04	2.85E-04	1.36E-02	1.37E-04	2.03E-04	1.42E-02
1305	490608.06	3859590.74	0.06612	0.44394	0.0217	0.06251	2.47E-04	1.32E-02	1.38E-04	1.97E-04	1.38E-02	2.24E-04	1.34E-08	1.85E-06	5.38E-06	2.32E-04	2.85E-04	1.32E-02	1.38E-04	1.97E-04	1.39E-02
1306	490658.06	3859590.74	0.06629	0.43168	0.0218	0.06095	2.47E-04	1.29E-02	1.39E-04	1.92E-04	1.35E-02	2.25E-04	1.30E-08	1.85E-06	5.25E-06	2.32E-04	2.86E-04	1.29E-02	1.39E-04	1.92E-04	1.35E-02
1307	490708.06	3859590.74	0.06649	0.41942	0.0219	0.05949	2.48E-04	1.25E-02	1.40E-04	1.88E-04	1.31E-02	2.26E-04	1.27E-08	1.86E-06	5.12E-06	2.33E-04	2.87E-04	1.25E-02	1.40E-04	1.88E-04	1.31E-02
1308	490758.06	3859590.74	0.06672	0.40667	0.022	0.05813	2.49E-04	1.21E-02	1.40E-04	1.84E-04	1.27E-02	2.27E-04	1.23E-08	1.87E-06	5.01E-06	2.33E-04	2.88E-04	1.21E-02	1.40E-04	1.84E-04	1.27E-02
1309	490808.06	3859590.74	0.06693	0.39569	0.0221	0.05684	2.50E-04	1.18E-02	1.41E-04	1.79E-04	1.24E-02	2.27E-04	1.19E-08	1.88E-06	4.89E-06	2.34E-04	2.89E-04	1.18E-02	1.41E-04	1.79E-04	1.24E-02
1310	490858.06	3859590.74	0.06718	0.38436	0.0223	0.05564	2.51E-04	1.15E-02	1.42E-04	1.76E-04	1.20E-02	2.28E-04	1.16E-08	1.89E-06	4.79E-06	2.35E-04	2.90E-04	1.15E-02	1.42E-04	1.76E-04	1.21E-02
1311	490458.06	3859640.74	0.06423	0.48094	0.0196	0.06693	2.40E-04	1.43E-02	1.25E-04	2.11E-04	1.49E-02	2.18E-04	1.45E-08	1.67E-06	5.76E-06	2.26E-04	2.77E-04	1.43E-02	1.25E-04	2.11E-04	1.50E-02
1312	490508.06	3859640.74	0.06419	0.46972	0.0199	0.06502	2.40E-04	1.40E-02	1.27E-04	2.05E-04	1.46E-02	2.18E-04	1.42E-08	1.69E-06	5.60E-06	2.25E-04	2.77E-04	1.40E-02	1.27E-04	2.05E-04	1.46E-02
1313	490558.06	3859640.74	0.06419	0.45868	0.0202	0.06324	2.40E-04	1.37E-02	1.29E-04	2.00E-04	1.43E-02	2.18E-04	1.39E-08	1.72E-06	5.45E-06	2.25E-04	2.77E-04	1.37E-02	1.29E-04	2.00E-04	1.43E-02
1314	490608.06	3859640.74	0.06431	0.44664	0.0206	0.06153	2.40E-04	1.33E-02	1.32E-04	1.94E-04	1.39E-02	2.18E-04	1.35E-08	1.76E-06	5.30E-06	2.25E-04	2.78E-04	1.33E-02	1.32E-04	1.94E-04	1.39E-02
1315	490658.06	3859640.74	0.06446	0.43421	0.0208	0.05994	2.41E-04	1.30E-02	1.33E-04	1.89E-04	1.35E-02	2.19E-04	1.31E-08	1.77E-06	5.16E-06	2.26E-04	2.78E-04	1.30E-02	1.33E-04	1.89E-04	1.36E-02
1316	490708.06	3859640.74	0.0646	0.42249	0.0209	0.05847	2.41E-04	1.26E-02	1.33E-04	1.85E-04	1.32E-02	2.19E-04	1.28E-08	1.78E-06	5.03E-06	2.26E-04	2.79E-04	1.26E-02	1.33E-04	1.85E-04	1.32E-02
1317	490758.06	3859640.74	0.06478	0.41024	0.021	0.05709	2.42E-04	1.22E-02	1.34E-04	1.80E-04	1.28E-02	2.20E-04	1.24E-08	1.79E-06	4.92E-06	2.27E-04	2.80E-04	1.22E-02	1.34E-04	1.80E-04	1.28E-02
1318	490808.06	3859640.74	0.06492	0.40017	0.0212	0.0558	2.42E-04	1.19E-02	1.35E-04	1.76E-04	1.25E-02	2.20E-04	1.21E-08	1.80E-06	4.80E-06	2.27E-04	2.80E-04	1.19E-02	1.35E-04	1.76E-04	1.25E-02
1319	490858.06	3859640.74	0.06508	0.39045	0.0213	0.05458	2.43E-04	1.16E-02	1.36E-04	1.72E-04	1.22E-02	2.21E-04	1.18E-08	1.81E-06	4.70E-06	2.27E-04	2.81E-04	1.16E-02	1.36E-04	1.72E-04	1.22E-02
1320	490608.06	3859690.74	0.06266	0.44821	0.0195	0.06034	2.34E-04	1.34E-02	1.24E-04	1.91E-04	1.39E-02	2.13E-04	1.35E-08	1.66E-06	5.20E-06	2.20E-04	2.70E-04	1.34E-02	1.24E-04	1.91E-04	1.40E-02
1321	490658.06	3859690.74	0.06277	0.43626	0.0199	0.05875	2.34E-04	1.30E-02	1.27E-04	1.85E-04	1.36E-02	2.13E-04	1.32E-08	1.69E-06	5.06E-06	2.20E-04	2.71E-04	1.30E-02	1.27E-04	1.85E-04	1.36E-02
1322	490708.06	3859690.74	0.06286	0.42481	0.02	0.05728	2.35E-04	1.27E-02	1.28E-04	1.81E-04	1.32E-02	2.13E-04	1.28E-08	1.70E-06	4.93E-06	2.20E-04	2.71E-04	1.27E-02	1.28E-04	1.81E-04	1.33E-02
1323	490758.06	3859690.74	0.06301	0.4129	0.0201	0.05591	2.35E-04	1.23E-02	1.28E-04	1.77E-04	1.29E-02	2.14E-04	1.25E-08	1.71E-06	4.81E-06	2.20E-04	2.72E-04	1.23E-02	1.28E-04	1.77E-04	1.29E-02
1324	490808.06	3859690.74	0.06312	0.40233	0.0202	0.05463	2.36E-04	1.20E-02	1.29E-04	1.72E-04	1.25E-02	2.14E-04	1.21E-08	1.72E-06	4.70E-06	2.21E-04	2.72E-04	1.20E-02	1.29E-04	1.72E-04	1.26E-02
1325	490858.06	3859690.74	0.06316	0.3948	0.0204	0.05343	2.36E-04	1.18E-02	1.30E-04	1.69E-04	1.23E-02	2.14E-04	1.19E-08	1.73E-06	4.60E-06	2.21E-04	2.73E-04	1.18E-02	1.30E-04	1.69E-04	1.23E-02
1326	490708.06	3859740.74	0.06123	0.42719	0.0191	0.05597	2.28E-04	1.27E-02	1.22E-04	1.77E-04	1.33E-02	2.08E-04	1.29E-08	1.63E-06	4.82E-06	2.14E-04	2.64E-04	1.27E-02	1.22E-04	1.77E-04	1.33E-02
1327	490758.06	3859740.74	0.06122	0.41789	0.0194	0.05464	2.28E-04	1.25E-02	1.23E-04	1.73E-04	1.30E-02	2.08E-04	1.26E-08	1.65E-06	4.71E-06	2.14E-04	2.64E-04	1.25E-02	1.23E-04	1.73E-04	1.30E-02
1328	490808.06	3859740.74	0.06128	0.40804	0.0195	0.05337	2.29E-04	1.22E-02	1.24E-04	1.69E-04	1.27E-02	2.08E-04	1.23E-08	1.66E-06	4.60E-06	2.14E-04	2.64E-04	1.22E-02	1.24E-04	1.69E-04	1.27E-02
1329	490858.06	3859740.74	0.06134	0.39915	0.0196	0.05218	2.29E-04	1.19E-02	1.25E-04	1.65E-04	1.24E-02	2.08E-04	1.21E-08	1.67E-06	4.49E-06	2.14E-04	2.65E-04	1.19E-02	1.25E-04	1.65E-04	1.25E-02
1330	490786.56	3859749.39	0.06096	0.41293	0.0193	0.05368	2.27E-04	1.23E-02	1.23E-04	1.69E-04	1.28E-02	2.07E-04	1.25E-08	1.64E-06	4.62E-06	2.13E-04	2.63E-04	1.23E-02	1.23E-04	1.69E-04	1.29E-02
1331	490836.56	3859749.39	0.06102	0.40339	0.0194	0.05246	2.28E-04	1.20E-02	1.24E-04	1.66E-04	1.26E-02	2.07E-04	1.22E-08	1.65E-06	4.52E-06	2.13E-04	2.63E-04	1.20E-02	1.24E-04	1.66E-04	1.26E-02
1332	490786.56	3859799.39	0.05935	0.41513	0.0183	0.05232	2.21E-04	1.24E-02	1.17E-04	1.65E-04	1.29E-02	2.01E-04	1.25E-08	1.56E-06	4.51E-06	2.08E-04	2.56E-04	1.24E-02	1.17E-04	1.65E-04	1.29E-02
1333	490836.56	3859799.39	0.05939	0.40568	0.0186	0.05111	2.22E-04	1.21E-02	1.19E-04	1.61E-04	1.26E-02	2.02E-04	1.23E-08	1.58E-06	4.40E-06	2.08E-04	2.56E-04	1.21E-02	1.19E-04	1.61E-04	1.26E-02
1334	492307.84	3854508.36	0.13896	0.03727	0.0205	0.01998	5.19E-04	1.11E-03	1.31E-04	6.31E-05	1.82E-03	4.72E-04	1.13E-09	1.74E-06	1.72E-06	4.75E-04	6.00E-04	1.11E-03	1.31E-04	6.31E-05	1.91E-03
1335	486445.7	3854753.6	0.19702	0.04029	0.0092	0.0291	7.35E-04	1.20E-03	5.89E-05	9.19E-05	2.09E-03	6.69E-04	1.22E-09	7.86E-07	2.51E-06	6.72E-04	8.50E-04	1.20E-03	5.89E-05	9.19E-05	2.20E-03
1336	472599.75	3877830.11	0.00291	0.00335	0.0012	0.00114	1.09E-05	9.99E-05	7.46E-06	3.60E-06	1.22E-04	9.88E-06	1.01E-10	9.95E-08	9.82E-08	1.01E-05	1.26E-05	9.99E-05	7.46E-06	3.60E-06	1.24E-04
1337	493107.48	3866840.19	0.00925	0.00993	0.0027	0.00318	3.45E-05	2.96E-04	1.73E-05	1.00E-05	3.58E-04	3.14E-05	3.00E-10	2.31E-07	2.74E-07	3.19E-05	3.99E-05	2.96E-04	1.73E-05	1.00E-05	3.64E-04
1338	495815.79	3861662.87	0.03028	0.07154	0.0084	0.00787	1.13E-04	2.13E-03	5.34E-05	2.48E-05	2.33E-03	1.03E-04	2.16E-09	7.12E-07	6.78E-07	1.04E-04	1.31E-04	2.13E-03	5.34E-05	2.48E-05	2.34E-03

1339	480272.33	3841389.2	0.00102	0.00079	0.0014	0.00157	3.81E-06	2.36E-05	9.12E-06	4.96E-06	4.15E-05	3.46E-06	2.39E-11	1.22E-07	1.35E-07	3.72E-06	4.40E-06	2.36E-05	9.12E-06	4.96E-06	4.20E-05
1340	497005.18	3862813.64	0.02083	0.0448	0.0064	0.00489	7.77E-05	1.34E-03	4.07E-05	1.54E-05	1.47E-03	7.07E-05	1.35E-09	5.43E-07	4.21E-07	7.17E-05	8.99E-05	1.34E-03	4.07E-05	1.54E-05	1.48E-03
1341	493677.33	3860302.55	0.05296	0.1577	0.0175	0.01911	1.98E-04	4.70E-03	1.12E-04	6.03E-05	5.07E-03	1.80E-04	4.76E-09	1.49E-06	1.65E-06	1.83E-04	2.29E-04	4.70E-03	1.12E-04	6.03E-05	5.11E-03
1342	493727.33	3860302.55	0.05294	0.156	0.0176	0.01899	1.98E-04	4.65E-03	1.12E-04	6.00E-05	5.02E-03	1.80E-04	4.71E-09	1.50E-06	1.64E-06	1.83E-04	2.28E-04	4.65E-03	1.12E-04	6.00E-05	5.05E-03
1343	493777.33	3860302.55	0.05293	0.15425	0.0176	0.01887	1.98E-04	4.60E-03	1.12E-04	5.96E-05	4.97E-03	1.80E-04	4.66E-09	1.50E-06	1.62E-06	1.83E-04	2.28E-04	4.60E-03	1.12E-04	5.96E-05	5.00E-03
1344	493827.33	3860302.55	0.05291	0.15252	0.0177	0.01875	1.97E-04	4.55E-03	1.13E-04	5.92E-05	4.92E-03	1.80E-04	4.61E-09	1.50E-06	1.61E-06	1.83E-04	2.28E-04	4.55E-03	1.13E-04	5.92E-05	4.95E-03
1345	493877.33	3860302.55	0.05283	0.15098	0.0177	0.01864	1.97E-04	4.50E-03	1.13E-04	5.89E-05	4.87E-03	1.79E-04	4.56E-09	1.51E-06	1.61E-06	1.82E-04	2.28E-04	4.50E-03	1.13E-04	5.89E-05	4.90E-03
1346	493927.33	3860302.55	0.05273	0.14956	0.0178	0.01854	1.97E-04	4.46E-03	1.14E-04	5.85E-05	4.83E-03	1.79E-04	4.52E-09	1.51E-06	1.60E-06	1.82E-04	2.28E-04	4.46E-03	1.14E-04	5.85E-05	4.86E-03
1347	493977.33	3860302.55	0.05275	0.14741	0.0178	0.0184	1.97E-04	4.40E-03	1.13E-04	5.81E-05	4.77E-03	1.79E-04	4.45E-09	1.51E-06	1.58E-06	1.82E-04	2.28E-04	4.40E-03	1.13E-04	5.81E-05	4.80E-03
1348	494027.33	3860302.55	0.0527	0.14563	0.0178	0.01829	1.97E-04	4.34E-03	1.13E-04	5.77E-05	4.71E-03	1.79E-04	4.40E-09	1.51E-06	1.57E-06	1.82E-04	2.27E-04	4.34E-03	1.13E-04	5.77E-05	4.74E-03
1349	493677.33	3860352.55	0.0518	0.15569	0.017	0.01861	1.93E-04	4.64E-03	1.08E-04	5.88E-05	5.00E-03	1.76E-04	4.70E-09	1.44E-06	1.60E-06	1.79E-04	2.24E-04	4.64E-03	1.08E-04	5.88E-05	5.04E-03
1350	493727.33	3860352.55	0.05178	0.15416	0.017	0.01851	1.93E-04	4.60E-03	1.09E-04	5.84E-05	4.96E-03	1.76E-04	4.66E-09	1.45E-06	1.59E-06	1.79E-04	2.23E-04	4.60E-03	1.09E-04	5.84E-05	4.99E-03
1351	493777.33	3860352.55	0.05175	0.15263	0.0171	0.01841	1.93E-04	4.55E-03	1.09E-04	5.81E-05	4.91E-03	1.76E-04	4.61E-09	1.46E-06	1.59E-06	1.79E-04	2.23E-04	4.55E-03	1.09E-04	5.81E-05	4.94E-03
1352	493827.33	3860352.55	0.05174	0.15105	0.0172	0.0183	1.93E-04	4.51E-03	1.10E-04	5.78E-05	4.87E-03	1.76E-04	4.56E-09	1.46E-06	1.58E-06	1.79E-04	2.23E-04	4.51E-03	1.10E-04	5.78E-05	4.90E-03
1353	493877.33	3860352.55	0.05174	0.1494	0.0173	0.01819	1.93E-04	4.46E-03	1.10E-04	5.74E-05	4.82E-03	1.76E-04	4.51E-09	1.47E-06	1.57E-06	1.79E-04	2.23E-04	4.46E-03	1.10E-04	5.74E-05	4.85E-03
1354	493927.33	3860352.55	0.05176	0.14762	0.0173	0.01806	1.93E-04	4.40E-03	1.10E-04	5.70E-05	4.76E-03	1.76E-04	4.46E-09	1.47E-06	1.56E-06	1.79E-04	2.23E-04	4.40E-03	1.10E-04	5.70E-05	4.79E-03
1355	493977.33	3860352.55	0.05179	0.14572	0.0173	0.01794	1.93E-04	4.35E-03	1.10E-04	5.66E-05	4.71E-03	1.76E-04	4.40E-09	1.47E-06	1.54E-06	1.79E-04	2.23E-04	4.35E-03	1.10E-04	5.66E-05	4.74E-03
1356	494027.33	3860352.55	0.05171	0.14425	0.0173	0.01784	1.93E-04	4.30E-03	1.10E-04	5.63E-05	4.66E-03	1.76E-04	4.36E-09	1.47E-06	1.54E-06	1.79E-04	2.23E-04	4.30E-03	1.10E-04	5.63E-05	4.69E-03
1357	493677.33	3860402.55	0.05053	0.15373	0.0162	0.01815	1.89E-04	4.59E-03	1.03E-04	5.73E-05	4.94E-03	1.72E-04	4.64E-09	1.37E-06	1.56E-06	1.74E-04	2.18E-04	4.59E-03	1.03E-04	5.73E-05	4.96E-03
1358	493727.33	3860402.55	0.05055	0.15221	0.0162	0.01806	1.89E-04	4.54E-03	1.04E-04	5.70E-05	4.89E-03	1.72E-04	4.60E-09	1.38E-06	1.56E-06	1.75E-04	2.18E-04	4.54E-03	1.04E-04	5.70E-05	4.92E-03
1359	493777.33	3860402.55	0.05068	0.1504	0.0165	0.01792	1.89E-04	4.49E-03	1.05E-04	5.66E-05	4.84E-03	1.72E-04	4.54E-09	1.40E-06	1.54E-06	1.75E-04	2.19E-04	4.49E-03	1.05E-04	5.66E-05	4.87E-03
1360	493827.33	3860402.55	0.05063	0.14904	0.0165	0.01784	1.89E-04	4.45E-03	1.05E-04	5.63E-05	4.80E-03	1.72E-04	4.50E-09	1.40E-06	1.54E-06	1.75E-04	2.18E-04	4.45E-03	1.05E-04	5.63E-05	4.83E-03
1361	493877.33	3860402.55	0.05061	0.14758	0.0166	0.01775	1.89E-04	4.40E-03	1.06E-04	5.60E-05	4.75E-03	1.72E-04	4.46E-09	1.41E-06	1.53E-06	1.75E-04	2.18E-04	4.40E-03	1.06E-04	5.60E-05	4.78E-03
1362	493927.33	3860402.55	0.05069	0.14584	0.0168	0.01762	1.89E-04	4.35E-03	1.07E-04	5.56E-05	4.70E-03	1.72E-04	4.40E-09	1.43E-06	1.52E-06	1.75E-04	2.19E-04	4.35E-03	1.07E-04	5.56E-05	4.73E-03
1363	493977.33	3860402.55	0.05079	0.14396	0.0168	0.01748	1.90E-04	4.29E-03	1.07E-04	5.52E-05	4.65E-03	1.72E-04	4.35E-09	1.43E-06	1.51E-06	1.75E-04	2.19E-04	4.29E-03	1.07E-04	5.52E-05	4.68E-03
1364	494027.33	3860402.55	0.05071	0.14264	0.0169	0.0174	1.89E-04	4.26E-03	1.08E-04	5.49E-05	4.61E-03	1.72E-04	4.31E-09	1.44E-06	1.50E-06	1.75E-04	2.19E-04	4.26E-03	1.08E-04	5.49E-05	4.64E-03
1365	493677.33	3860452.55	0.04933	0.1514	0.0155	0.01767	1.84E-04	4.52E-03	9.86E-05	5.58E-05	4.86E-03	1.67E-04	4.57E-09	1.31E-06	1.52E-06	1.70E-04	2.13E-04	4.52E-03	9.86E-05	5.58E-05	4.88E-03
1366	493727.33	3860452.55	0.04929	0.15007	0.0155	0.01763	1.84E-04	4.48E-03	9.86E-05	5.57E-05	4.82E-03	1.67E-04	4.53E-09	1.31E-06	1.52E-06	1.70E-04	2.13E-04	4.48E-03	9.86E-05	5.57E-05	4.84E-03
1367	493777.33	3860452.55	0.04934	0.14859	0.0156	0.01754	1.84E-04	4.43E-03	9.92E-05	5.54E-05	4.77E-03	1.68E-04	4.49E-09	1.32E-06	1.51E-06	1.70E-04	2.13E-04	4.43E-03	9.92E-05	5.54E-05	4.80E-03
1368	493827.33	3860452.55	0.04946	0.14699	0.0157	0.01741	1.85E-04	4.39E-03	1.00E-04	5.50E-05	4.73E-03	1.68E-04	4.44E-09	1.34E-06	1.50E-06	1.71E-04	2.13E-04	4.39E-03	1.00E-04	5.50E-05	4.75E-03
1369	493877.33	3860452.55	0.04954	0.14545	0.0159	0.0173	1.85E-04	4.34E-03	1.01E-04	5.46E-05	4.68E-03	1.68E-04	4.39E-09	1.35E-06	1.49E-06	1.71E-04	2.14E-04	4.34E-03	1.01E-04	5.46E-05	4.71E-03
1370	493927.33	3860452.55	0.04969	0.14369	0.0161	0.01715	1.85E-04	4.29E-03	1.03E-04	5.41E-05	4.63E-03	1.69E-04	4.34E-09	1.37E-06	1.48E-06	1.72E-04	2.14E-04	4.29E-03	1.03E-04	5.41E-05	4.66E-03
1371	493977.33	3860452.55	0.04969	0.14229	0.0162	0.01707	1.85E-04	4.24E-03	1.04E-04	5.39E-05	4.59E-03	1.69E-04	4.30E-09	1.38E-06	1.47E-06	1.72E-04	2.14E-04	4.24E-03	1.04E-04	5.39E-05	4.62E-03
1372	494027.33	3860452.55	0.04966	0.14093	0.0163	0.01698	1.85E-04	4.20E-03	1.04E-04	5.36E-05	4.55E-03	1.69E-04	4.26E-09	1.39E-06	1.46E-06	1.71E-04	2.14E-04	4.20E-03	1.04E-04	5.36E-05	4.58E-03
1373	493677.33	3860502.55	0.04809	0.14905	0.0148	0.01721	1.79E-04	4.45E-03	9.42E-05	5.43E-05	4.77E-03	1.63E-04	4.50E-09	1.26E-06	1.48E-06	1.66E-04	2.08E-04	4.45E-03	9.42E-05	5.43E-05	4.80E-03
1374	493727.33	3860502.55	0.04811	0.14768	0.0148	0.01716	1.80E-04	4.41E-03	9.45E-05	5.42E-05	4.73E-03	1.63E-04	4.46E-09	1.26E-06	1.48E-06	1.66E-04	2.08E-04	4.41E-03	9.45E-05	5.42E-05	4.76E-03
1375	493777.33	3860502.55	0.04819	0.14624	0.0149	0.01707	1.80E-04	4.36E-03	9.51E-05	5.39E-05	4.69E-03	1.64E-04	4.42E-09	1.27E-06	1.47E-06	1.66E-04	2.08E-04	4.36E-03	9.51E-05	5.39E-05	4.72E-03
1376	493827.33	3860502.55	0.04826	0.14482	0.015	0.01699	1.80E-04	4.32E-03	9.57E-05	5.36E-05	4.65E-03	1.64E-04	4.37E-09	1.28E-06	1.46E-06	1.67E-04	2.08E-04	4.32E-03	9.57E-05	5.36E-05	4.68E-03
1377	493877.33	3860502.55	0.0484	0.14331	0.0152	0.01687	1.81E-04	4.28E-03	9.68E-05	5.33E-05	4.61E-03	1.64E-04	4.33E-09	1.29E-06	1.45E-06	1.67E-04	2.09E-04	4.28E-03	9.68E-05	5.33E-05	4.63E-03
1378	493927.33	3860502.55	0.04855	0.14175	0.0154	0.01674	1.81E-04	4.23E-03	9.82E-05	5.29E-05	4.56E-03	1.65E-04	4.28E-09	1.31E-06	1.44E-06	1.68E-04	2.09E-04	4.23E-03	9.82E-05	5.29E-05	4.59E-03
1379	493977.33	3860502.55	0.04855	0.14043	0.0155	0.01667	1.81E-04	4.19E-03	9.87E-05	5.26E-05	4.52E-03	1.65E-04	4.24E-09	1.32E-06	1.44E-06	1.68E-04	2.09E-04	4.19E-03	9.87E-05	5.26E-05	4.55E-03
1380	494027.33	3860502.55	0.04858	0.13908	0.0156	0.01659	1.81E-04	4.15E-03	9.94E-05	5.24E-05	4.48E-03	1.65E-04	4.20E-09	1.33E-06	1.43E-06	1.68E-04	2.10E-04	4.15E-03	9.94E-05	5.24E-05	4.51E-03
1381	493627.33	3860552.55	0.04669	0.14806	0.0141	0.01683	1.74E-04	4.42E-03	8.96E-05	5.31E-05	4.73E-03	1.59E-04	4.47E-09	1.19E-06	1.45E-06	1.61E-04	2.01E-04	4.42E-03	8.96E-05	5.31E-05	4.76E-03
1382	493677.33	3860552.55	0.04675	0.14677	0.0141	0.01678	1.74E-04	4.38E-03	8.99E-05	5.30E-05	4.70E-03	1.59E-04	4.43E-09	1.20E-06	1.44E-06	1.61E-04	2.02E-04	4.38E-03	8.99E-05	5.30E-05	4.72E-03
1383	493727.33	3860552.55	0.04682	0.14538	0.0141	0.01673	1.75E-04	4.34E-03	9.02E-05	5.28E-05	4.65E-03	1.59E-04	4.39E-09	1.20E-06	1.44E-06	1.62E-04	2.02E-04	4.34E-03	9.02E-05	5.28E-05	4.68E-03
1384	493777.33	3860552.55	0.04696	0.14397	0.0143	0.01664	1.75E-04	4.30E-03	9.09E-05	5.25E-05	4.61E-03	1.59E-04	4.35E-09	1.21E-06	1.43E-06	1.62E-04	2.03E-04	4.30E-03	9.09E-05	5.25E-05	4.64E-03
1385	493827.33	3860552.55	0.04713	0.14246	0.0144	0.01653	1.76E-04	4.25E-03	9.19E-05	5.22E-05	4.57E-03	1.60E-04	4.30E-09	1.23E-06	1.42E-06	1.63E-04	2.03E-04	4.25E-03	9.19E-05	5.22E-05	4.60E-03
1386	493877.33	3860552.55	0.04719	0.14114	0.0145	0.01647	1.76E-04	4.21E-03	9.24E-05	5.20E-05	4.53E-03	1.60E-04	4.26E-09	1.23E-06	1.42E-06	1.63E-04	2.04E-04	4.21E-03	9.24E-05	5.20E-05	4.56E-03
1387	493927.33	3860552.55	0.04732	0.13974	0.0146	0.01636	1.77E-04	4.17E-03	9.33E-05	5.17E-05	4.49E-03	1.61E-04	4.22E-09	1.24E-06	1.41E-06	1.63E-04	2.04E-04	4.17E-03	9.33E-05	5.17E-05	4.52E-03
1388	493977.33	3860552.55	0.04746	0.13832	0.0148	0.01626	1.77E-04	4.13E-03	9.44E-05	5.13E-05	4.45E-03	1.61E-04	4.18E-09	1.26E-06	1.40E-06	1.64E-04	2.05E-04	4.13E-03	9.44E-05	5.13E-05	4.48E-03
1389	494027.33	3860552.55	0.04748	0.13706	0.0149	0.01619	1.77E-04	4.09E-03	9.50E-05	5.11E-05	4.41E-03	1.61E-04	4.14E-09	1.27E-06	1.39E-06	1.64E-04	2.05E-04	4.09E-03	9.50E-05	5.11E-05	4.44E-03
1390	493627.33	3860602.55	0.0454	0.14559	0.0135	0.01637	1.69E-04	4.34E-03	8.60E-05	5.17E-05	4.65E-03	1.54E-04	4.40E-09	1.15E-06	1.41E-06	1.57E-04	1.96E-04	4.34E-03	8.60E-05	5.17E-05	4.68E-03
1391	493727.33	3860602.55	0.0455	0.14289	0.0135	0.01632	1.70E-04	4.26E-03	8.62E-05	5.15E-05	4.57E-03	1.54E-04	4.32E-09	1.15E-06	1.41E-06	1.57E-04	1.96E-04	4.26E-03	8.62E-05	5.15E-05	4.60E-03
1392	493777.33	3860602.55	0.04575	0.14151	0.0137	0.0162	1.71E-04	4.22E-03	8.72E-05	5.11E-05	4.53E-03	1.55E-04	4.27E-09	1.16E-06	1.39E-06	1.58E-04	1.97E-04	4.22E-03	8.72E-05	5.11E-05	4.56E-03
1393	493827.33	3860602.55	0.04588	0.14019	0.0138	0.01613	1.71E-04	4.18E-03	8.78E-05	5.09E-05	4.49E-03	1.56E-04	4.23E-09	1.17E-06	1.39E-06	1.58E-04	1.98E-04	4.18E-03	8.78E-05	5.09E-05	4.52E-03
1394	493877.33	3860602.55	0.04607	0.13885	0.0139	0.01602	1.72E-04	4.14E-03	8.87E-05	5.06E-05	4.45E-03	1.56E-04	4.19E-09	1.18E-06	1.38E-06	1.59E-04	1.99E-04	4.14E-03	8.87E-05	5.06E-05	4.48E-03
1395	493927.33	3860602.55	0.04621	0.13755	0.014	0.01593	1.72E-04	4.10E-03	8.95E-05	5.03E-05	4.42E-03	1.57E-04	4.15E-09	1.19E-06	1.37E-06	1.59E-04	1.99E-04	4.10E-03	8.95E-05	5.03E-05	4.44E-03
1396	493977.33	3860602.55	0.04634	0.13616	0.0142	0.01585	1.73E-04	4.06E-03	9.04E-05	5.00E-05	4.38E-03	1.57E-04	4.11E-09	1.21E-06	1.36E-06	1.60E-04	2.00E-04	4.06E-03	9.04E-05	5.00E-05	4.40E-03
1397	494027.33	3860602.55	0.04636	0.13504	0.0142	0.0158	1.73E-04	4.03E-03	9.08E-05	4.99E-05	4.34E-03	1.57E-04	4.08E-09	1.21E-06	1.36E-06	1.60E-04	2.00E-04	4.03E-03	9.08E-05	4.99E-05	4.37E-03
1398	493627.33	3860652.55	0.04409	0.14298	0.013	0.01593	1.65E-04	4.27E-03	8.27E-05	5.03E-05	4.56E-03	1.50E-04	4.32E-09	1.10E-06	1.37E-06	1.52E-04	1.90E-04	4.27E-03	8.27E-05	5.03E-05	4.59E-03
1399	493727.33	3860652.55	0.04424	0.14035	0.013	0.01582	1.65E-04	4.19E-03	8.29E-05	4.99E-05	4.48E-03	1.50E-04	4.24E-09	1.10E-06	1.36E-06	1.53E-04	1.91E-04	4.19E-03	8.29E-05	4.99E-05	4.51E-03

1400	493777.33	3860652.55	0.04447	0.13904	0.0131	0.01577	1.66E-04	4.15E-03	8.36E-05	4.98E-05	4.45E-03	1.51E-04	4.20E-09	1.11E-06	1.36E-06	1.53E-04	1.92E-04	4.15E-03	8.36E-05	4.98E-05	4.47E-03
1401	493827.33	3860652.55	0.04468	0.13775	0.0132	0.01569	1.67E-04	4.11E-03	8.43E-05	4.95E-05	4.41E-03	1.52E-04	4.16E-09	1.12E-06	1.35E-06	1.54E-04	1.93E-04	4.11E-03	8.43E-05	4.95E-05	4.44E-03
1402	493877.33	3860652.55	0.04491	0.13647	0.0134	0.0156	1.68E-04	4.07E-03	8.52E-05	4.93E-05	4.37E-03	1.52E-04	4.12E-09	1.14E-06	1.34E-06	1.55E-04	1.94E-04	4.07E-03	8.52E-05	4.93E-05	4.40E-03
1403	493927.33	3860652.55	0.04504	0.13522	0.0135	0.01552	1.68E-04	4.03E-03	8.58E-05	4.90E-05	4.34E-03	1.53E-04	4.08E-09	1.14E-06	1.34E-06	1.55E-04	1.94E-04	4.03E-03	8.58E-05	4.90E-05	4.36E-03
1404	493977.33	3860652.55	0.04516	0.134	0.0136	0.01546	1.69E-04	4.00E-03	8.64E-05	4.88E-05	4.30E-03	1.53E-04	4.05E-09	1.15E-06	1.33E-06	1.56E-04	1.95E-04	4.00E-03	8.64E-05	4.88E-05	4.33E-03
1405	494027.33	3860652.55	0.04533	0.13277	0.0137	0.01536	1.69E-04	3.96E-03	8.73E-05	4.85E-05	4.27E-03	1.54E-04	4.01E-09	1.16E-06	1.32E-06	1.56E-04	1.96E-04	3.96E-03	8.73E-05	4.85E-05	4.29E-03
1406	494311.06	3858401.99	0.06132	0.06938	0.0507	0.02491	2.29E-04	2.07E-03	3.23E-04	7.87E-05	2.70E-03	2.08E-04	2.10E-09	4.31E-06	2.15E-06	2.15E-04	2.65E-04	2.07E-03	3.23E-04	7.87E-05	2.74E-03
1407	494361.06	3858401.99	0.06026	0.06825	0.0499	0.02469	2.25E-04	2.04E-03	3.18E-04	7.80E-05	2.66E-03	2.05E-04	2.06E-09	4.24E-06	2.13E-06	2.11E-04	2.60E-04	2.04E-03	3.18E-04	7.80E-05	2.69E-03
1408	494411.06	3858401.99	0.0596	0.06744	0.0494	0.02451	2.22E-04	2.01E-03	3.15E-04	7.74E-05	2.63E-03	2.02E-04	2.04E-09	4.20E-06	2.11E-06	2.09E-04	2.57E-04	2.01E-03	3.15E-04	7.74E-05	2.66E-03
1409	494461.06	3858401.99	0.05935	0.06698	0.049	0.02437	2.21E-04	2.00E-03	3.13E-04	7.69E-05	2.61E-03	2.01E-04	2.02E-09	4.17E-06	2.10E-06	2.08E-04	2.56E-04	2.00E-03	3.13E-04	7.69E-05	2.64E-03
1410	494511.06	3858401.99	0.05861	0.06613	0.0485	0.02419	2.19E-04	1.97E-03	3.09E-04	7.64E-05	2.58E-03	1.99E-04	2.00E-09	4.12E-06	2.08E-06	2.05E-04	2.53E-04	1.97E-03	3.09E-04	7.64E-05	2.61E-03
1411	494561.06	3858401.99	0.05832	0.06565	0.0481	0.02406	2.18E-04	1.96E-03	3.07E-04	7.60E-05	2.56E-03	1.98E-04	1.98E-09	4.09E-06	2.07E-06	2.04E-04	2.52E-04	1.96E-03	3.07E-04	7.60E-05	2.59E-03
1412	494611.06	3858401.99	0.05757	0.06479	0.0475	0.02387	2.15E-04	1.93E-03	3.03E-04	7.54E-05	2.53E-03	1.95E-04	1.96E-09	4.04E-06	2.06E-06	2.02E-04	2.48E-04	1.93E-03	3.03E-04	7.54E-05	2.56E-03
1413	494661.06	3858401.99	0.05689	0.06406	0.047	0.02371	2.12E-04	1.91E-03	3.00E-04	7.49E-05	2.50E-03	1.93E-04	1.93E-09	4.00E-06	2.04E-06	1.99E-04	2.45E-04	1.91E-03	3.00E-04	7.49E-05	2.53E-03
1414	494711.06	3858401.99	0.0559	0.06301	0.0463	0.02351	2.09E-04	1.88E-03	2.95E-04	7.42E-05	2.46E-03	1.90E-04	1.90E-09	3.94E-06	2.02E-06	1.96E-04	2.41E-04	1.88E-03	2.95E-04	7.42E-05	2.49E-03
1415	494761.06	3858401.99	0.05544	0.06239	0.0459	0.02336	2.07E-04	1.86E-03	2.93E-04	7.38E-05	2.43E-03	1.88E-04	1.88E-09	3.91E-06	2.01E-06	1.94E-04	2.39E-04	1.86E-03	2.93E-04	7.38E-05	2.47E-03
1416	494811.06	3858401.99	0.05471	0.06157	0.0454	0.02318	2.04E-04	1.84E-03	2.90E-04	7.32E-05	2.40E-03	1.86E-04	1.86E-09	3.86E-06	2.00E-06	1.92E-04	2.36E-04	1.84E-03	2.90E-04	7.32E-05	2.44E-03
1417	494861.06	3858401.99	0.05408	0.06083	0.045	0.02302	2.02E-04	1.81E-03	2.87E-04	7.27E-05	2.38E-03	1.84E-04	1.84E-09	3.82E-06	1.98E-06	1.89E-04	2.33E-04	1.81E-03	2.87E-04	7.27E-05	2.41E-03
1418	494911.06	3858401.99	0.05346	0.06014	0.0445	0.02286	1.99E-04	1.79E-03	2.84E-04	7.22E-05	2.35E-03	1.81E-04	1.82E-09	3.79E-06	1.97E-06	1.87E-04	2.31E-04	1.79E-03	2.84E-04	7.22E-05	2.38E-03
1419	494961.06	3858401.99	0.0528	0.05936	0.0441	0.0227	1.97E-04	1.77E-03	2.81E-04	7.17E-05	2.32E-03	1.79E-04	1.79E-09	3.75E-06	1.95E-06	1.85E-04	2.28E-04	1.77E-03	2.81E-04	7.17E-05	2.35E-03
1420	495011.06	3858401.99	0.05192	0.05844	0.0435	0.0225	1.94E-04	1.74E-03	2.77E-04	7.10E-05	2.29E-03	1.76E-04	1.76E-09	3.70E-06	1.94E-06	1.82E-04	2.24E-04	1.74E-03	2.77E-04	7.10E-05	2.32E-03
1421	495061.06	3858401.99	0.05126	0.0577	0.0429	0.02233	1.91E-04	1.72E-03	2.74E-04	7.05E-05	2.26E-03	1.74E-04	1.74E-09	3.65E-06	1.92E-06	1.80E-04	2.21E-04	1.72E-03	2.74E-04	7.05E-05	2.29E-03
1422	495111.06	3858401.99	0.04993	0.0564	0.0423	0.02208	1.86E-04	1.68E-03	2.70E-04	6.97E-05	2.21E-03	1.70E-04	1.70E-09	3.59E-06	1.90E-06	1.75E-04	2.15E-04	1.68E-03	2.70E-04	6.97E-05	2.24E-03
1423	495161.06	3858401.99	0.04977	0.05607	0.042	0.02197	1.86E-04	1.67E-03	2.68E-04	6.94E-05	2.20E-03	1.69E-04	1.69E-09	3.57E-06	1.89E-06	1.74E-04	2.15E-04	1.67E-03	2.68E-04	6.94E-05	2.22E-03
1424	495211.06	3858401.99	0.04859	0.05495	0.0414	0.02177	1.81E-04	1.64E-03	2.64E-04	6.87E-05	2.15E-03	1.65E-04	1.66E-09	3.52E-06	1.87E-06	1.70E-04	2.10E-04	1.64E-03	2.64E-04	6.87E-05	2.18E-03
1425	495261.06	3858401.99	0.04802	0.05428	0.041	0.02162	1.79E-04	1.62E-03	2.62E-04	6.83E-05	2.13E-03	1.63E-04	1.64E-09	3.49E-06	1.86E-06	1.68E-04	2.07E-04	1.62E-03	2.62E-04	6.83E-05	2.16E-03
1426	495311.06	3858401.99	0.04741	0.05359	0.0406	0.02146	1.77E-04	1.60E-03	2.59E-04	6.78E-05	2.10E-03	1.61E-04	1.62E-09	3.45E-06	1.85E-06	1.66E-04	2.05E-04	1.60E-03	2.59E-04	6.78E-05	2.13E-03
1427	495361.06	3858401.99	0.04701	0.05309	0.0403	0.02133	1.75E-04	1.58E-03	2.57E-04	6.73E-05	2.08E-03	1.60E-04	1.60E-09	3.43E-06	1.84E-06	1.65E-04	2.03E-04	1.58E-03	2.57E-04	6.73E-05	2.11E-03
1428	495411.06	3858401.99	0.04684	0.05276	0.0401	0.02122	1.75E-04	1.57E-03	2.56E-04	6.70E-05	2.07E-03	1.59E-04	1.59E-09	3.41E-06	1.83E-06	1.64E-04	2.02E-04	1.57E-03	2.56E-04	6.70E-05	2.10E-03
1429	495461.06	3858401.99	0.04674	0.0525	0.0399	0.02112	1.74E-04	1.57E-03	2.54E-04	6.67E-05	2.06E-03	1.59E-04	1.59E-09	3.39E-06	1.82E-06	1.64E-04	2.02E-04	1.57E-03	2.54E-04	6.67E-05	2.09E-03
1430	495511.06	3858401.99	0.04657	0.05218	0.0396	0.02102	1.74E-04	1.56E-03	2.53E-04	6.64E-05	2.05E-03	1.58E-04	1.58E-09	3.37E-06	1.81E-06	1.63E-04	2.01E-04	1.56E-03	2.53E-04	6.64E-05	2.08E-03
1431	495561.06	3858401.99	0.04618	0.0516	0.0394	0.02092	1.72E-04	1.54E-03	2.52E-04	6.61E-05	2.03E-03	1.57E-04	1.56E-09	3.35E-06	1.80E-06	1.62E-04	1.99E-04	1.54E-03	2.52E-04	6.61E-05	2.06E-03
1432	495611.06	3858401.99	0.04606	0.05133	0.0392	0.02082	1.72E-04	1.53E-03	2.50E-04	6.57E-05	2.02E-03	1.56E-04	1.55E-09	3.34E-06	1.79E-06	1.62E-04	1.99E-04	1.53E-03	2.50E-04	6.57E-05	2.05E-03
1433	495661.06	3858401.99	0.04623	0.05138	0.039	0.02073	1.73E-04	1.53E-03	2.49E-04	6.55E-05	2.02E-03	1.57E-04	1.55E-09	3.32E-06	1.79E-06	1.62E-04	1.99E-04	1.53E-03	2.49E-04	6.55E-05	2.05E-03
1434	494311.06	3858451.99	0.06241	0.07181	0.0508	0.02517	2.33E-04	2.14E-03	3.24E-04	7.95E-05	2.78E-03	2.12E-04	2.17E-09	4.32E-06	2.17E-06	2.18E-04	2.69E-04	2.14E-03	3.24E-04	7.95E-05	2.81E-03
1435	494361.06	3858451.99	0.06158	0.07083	0.0499	0.02496	2.30E-04	2.11E-03	3.18E-04	7.88E-05	2.74E-03	2.09E-04	2.14E-09	4.25E-06	2.15E-06	2.15E-04	2.66E-04	2.11E-03	3.18E-04	7.88E-05	2.78E-03
1436	494411.06	3858451.99	0.0609	0.06998	0.0493	0.02477	2.27E-04	2.09E-03	3.15E-04	7.82E-05	2.71E-03	2.07E-04	2.11E-09	4.20E-06	2.13E-06	2.13E-04	2.63E-04	2.09E-03	3.15E-04	7.82E-05	2.74E-03
1437	494461.06	3858451.99	0.06032	0.06922	0.0488	0.02459	2.25E-04	2.07E-03	3.11E-04	7.76E-05	2.68E-03	2.05E-04	2.09E-09	4.15E-06	2.12E-06	2.11E-04	2.60E-04	2.07E-03	3.11E-04	7.76E-05	2.71E-03
1438	494511.06	3858451.99	0.06002	0.0687	0.0484	0.02445	2.24E-04	2.05E-03	3.09E-04	7.72E-05	2.66E-03	2.04E-04	2.07E-09	4.12E-06	2.11E-06	2.10E-04	2.59E-04	2.05E-03	3.09E-04	7.72E-05	2.69E-03
1439	494561.06	3858451.99	0.05924	0.06776	0.0478	0.02425	2.21E-04	2.02E-03	3.05E-04	7.66E-05	2.62E-03	2.01E-04	2.05E-09	4.07E-06	2.09E-06	2.07E-04	2.56E-04	2.02E-03	3.05E-04	7.66E-05	2.66E-03
1440	494611.06	3858451.99	0.05868	0.06704	0.0473	0.02408	2.19E-04	2.00E-03	3.02E-04	7.60E-05	2.60E-03	1.99E-04	2.02E-09	4.02E-06	2.07E-06	2.05E-04	2.53E-04	2.00E-03	3.02E-04	7.60E-05	2.63E-03
1441	494661.06	3858451.99	0.05806	0.06627	0.0468	0.02391	2.17E-04	1.98E-03	2.98E-04	7.55E-05	2.57E-03	1.97E-04	2.00E-09	3.98E-06	2.06E-06	2.03E-04	2.51E-04	1.98E-03	2.98E-04	7.55E-05	2.60E-03
1442	494711.06	3858451.99	0.05723	0.06531	0.0462	0.02372	2.14E-04	1.95E-03	2.95E-04	7.49E-05	2.53E-03	1.94E-04	1.97E-09	3.93E-06	2.04E-06	2.00E-04	2.47E-04	1.95E-03	2.95E-04	7.49E-05	2.57E-03
1443	494761.06	3858451.99	0.05639	0.06436	0.0456	0.02352	2.10E-04	1.92E-03	2.91E-04	7.43E-05	2.50E-03	1.91E-04	1.94E-09	3.88E-06	2.03E-06	1.97E-04	2.43E-04	1.92E-03	2.91E-04	7.43E-05	2.53E-03
1444	494811.06	3858451.99	0.05574	0.06358	0.0451	0.02335	2.08E-04	1.90E-03	2.88E-04	7.37E-05	2.47E-03	1.89E-04	1.92E-09	3.84E-06	2.01E-06	1.95E-04	2.41E-04	1.90E-03	2.88E-04	7.37E-05	2.50E-03
1445	494861.06	3858451.99	0.05492	0.06272	0.0445	0.02317	2.05E-04	1.87E-03	2.84E-04	7.32E-05	2.43E-03	1.86E-04	1.89E-09	3.79E-06	2.00E-06	1.92E-04	2.37E-04	1.87E-03	2.84E-04	7.32E-05	2.47E-03
1446	494911.06	3858451.99	0.05402	0.0616	0.0441	0.02301	2.02E-04	1.84E-03	2.81E-04	7.27E-05	2.39E-03	1.83E-04	1.86E-09	3.75E-06	1.98E-06	1.89E-04	2.33E-04	1.84E-03	2.81E-04	7.27E-05	2.42E-03
1447	494961.06	3858451.99	0.05317	0.06078	0.0435	0.02278	1.98E-04	1.81E-03	2.77E-04	7.19E-05	2.36E-03	1.81E-04	1.84E-09	3.70E-06	1.96E-06	1.86E-04	2.29E-04	1.81E-03	2.77E-04	7.19E-05	2.39E-03
1448	495011.06	3858451.99	0.05224	0.05978	0.0429	0.02259	1.95E-04	1.78E-03	2.74E-04	7.13E-05	2.32E-03	1.77E-04	1.81E-09	3.65E-06	1.95E-06	1.83E-04	2.25E-04	1.78E-03	2.74E-04	7.13E-05	2.35E-03
1449	495061.06	3858451.99	0.05186	0.05925	0.0426	0.02245	1.94E-04	1.77E-03	2.72E-04	7.09E-05	2.30E-03	1.76E-04	1.79E-09	3.62E-06	1.93E-06	1.82E-04	2.24E-04	1.77E-03	2.72E-04	7.09E-05	2.33E-03
1450	495111.06	3858451.99	0.05096	0.05829	0.042	0.02226	1.90E-04	1.74E-03	2.68E-04	7.03E-05	2.27E-03	1.73E-04	1.76E-09	3.57E-06	1.92E-06	1.78E-04	2.20E-04	1.74E-03	2.68E-04	7.03E-05	2.30E-03
1451	495161.06	3858451.99	0.04993	0.05723	0.0413	0.02204	1.86E-04	1.71E-03	2.63E-04	6.96E-05	2.23E-03	1.70E-04	1.73E-09	3.51E-06	1.90E-06	1.75E-04	2.15E-04	1.71E-03	2.63E-04	6.96E-05	2.26E-03
1452	495211.06	3858451.99	0.04902	0.05625	0.0408	0.02182	1.83E-04	1.68E-03	2.60E-04	6.89E-05	2.19E-03	1.66E-04	1.70E-09	3.47E-06	1.88E-06	1.72E-04	2.12E-04	1.68E-03	2.60E-04	6.89E-05	2.22E-03
1453	495261.06	3858451.99	0.04847	0.05557	0.0405	0.02168	1.81E-04	1.66E-03	2.58E-04	6.85E-05	2.17E-03	1.65E-04	1.68E-09	3.44E-06	1.87E-06	1.70E-04	2.09E-04	1.66E-03	2.58E-04	6.85E-05	2.19E-03
1454	495311.06	3858451.99	0.04803	0.055	0.0401	0.02154	1.79E-04	1.64E-03	2.56E-04	6.80E-05	2.14E-03	1.63E-04	1.66E-09	3.41E-06	1.85E-06	1.68E-04	2.07E-04	1.64E-03	2.56E-04	6.80E-05	2.17E-03
1455	495361.06	3858451.99	0.04762	0.05451	0.0398	0.02141	1.78E-04	1.63E-03	2.54E-04	6.76E-05	2.13E-03	1.62E-04	1.65E-09	3.39E-06	1.84E-06	1.67E-04	2.05E-04	1.63E-03	2.54E-04	6.76E-05	2.15E-03
1456	495411.06	3858451.99	0.0475	0.05422	0.0396	0.0213	1.77E-04	1.62E-03	2.53E-04	6.73E-05	2.11E-03	1.61E-04	1.64E-09	3.37E-06	1.83E-06	1.66E-04	2.05E-04	1.62E-03	2.53E-04	6.73E-05	2.14E-03
1457	495461.06	3858451.99	0.04743	0.05397	0.0394	0.02121	1.77E-04	1.61E-03	2.52E-04	6.70E-05	2.11E-03	1.61E-04	1.63E-09	3.35E-06	1.83E-06	1.66E-04	2.05E-04	1.61E-03	2.52E-04	6.70E-05	2.13E-03
1458	495511.06	3858451.99	0.04699	0.05341	0.0391	0.02107	1.75E-04	1.59E-03	2.50E-04	6.65E-05	2.08E-03	1.60E-04	1.61E-09	3.33E-06	1.81E-06	1.65E-04	2.03E-04	1.59E-03	2.50E-04	6.65E-05	2.11E-03
1459	495561.06	3858451.99	0.04713	0.05334	0.039	0.021	1.76E-04	1.59E-03	2.49E-04	6.63E-05	2.08E-03	1.60E-04	1.61E-09	3.32E-06	1.81E-06	1.65E-04	2.03E-04	1.59E-03	2.49E-04	6.63E-05	2.11E-03
1460	495611.06	3858451.99	0.04657	0.05268	0.0387	0.02085	1.74E-04	1.57E-03	2.47E-04	6.58E-05	2.06E-03	1.58E-04	1.59E-09	3.29E-06	1.80E-06	1.63E-04	2.01E-04	1.57E-03	2.47E-04	6.58E-05	2.08E-03

1461	495661.06	3858451.99	0.04657	0.05251	0.0385	0.02076	1.74E-04	1.57E-03	2.46E-04	6.55E-05	2.05E-03	1.58E-04	1.59E-09	3.27E-06	1.79E-06	1.63E-04	2.01E-04	1.57E-03	2.46E-04	6.55E-05	2.08E-03
1462	494311.06	3858501.99	0.06231	0.07329	0.0502	0.02529	2.33E-04	2.19E-03	3.20E-04	7.98E-05	2.82E-03	2.12E-04	2.21E-09	4.27E-06	2.18E-06	2.18E-04	2.69E-04	2.19E-03	3.20E-04	7.98E-05	2.86E-03
1463	494361.06	3858501.99	0.06182	0.07256	0.0497	0.02512	2.31E-04	2.16E-03	3.17E-04	7.93E-05	2.79E-03	2.10E-04	2.19E-09	4.23E-06	2.16E-06	2.16E-04	2.67E-04	2.16E-03	3.17E-04	7.93E-05	2.83E-03
1464	494411.06	3858501.99	0.06122	0.07173	0.0492	0.02493	2.28E-04	2.14E-03	3.14E-04	7.87E-05	2.76E-03	2.08E-04	2.17E-09	4.18E-06	2.15E-06	2.14E-04	2.64E-04	2.14E-03	3.14E-04	7.87E-05	2.80E-03
1465	494461.06	3858501.99	0.0609	0.07116	0.0487	0.02477	2.27E-04	2.12E-03	3.11E-04	7.82E-05	2.74E-03	2.07E-04	2.15E-09	4.14E-06	2.13E-06	2.13E-04	2.63E-04	2.12E-03	3.11E-04	7.82E-05	2.77E-03
1466	494511.06	3858501.99	0.06005	0.07014	0.048	0.02456	2.24E-04	2.09E-03	3.06E-04	7.75E-05	2.70E-03	2.04E-04	2.12E-09	4.08E-06	2.11E-06	2.10E-04	2.59E-04	2.09E-03	3.06E-04	7.75E-05	2.74E-03
1467	494561.06	3858501.99	0.06024	0.07002	0.0479	0.02447	2.25E-04	2.09E-03	3.05E-04	7.73E-05	2.70E-03	2.05E-04	2.11E-09	4.07E-06	2.11E-06	2.11E-04	2.60E-04	2.09E-03	3.05E-04	7.73E-05	2.73E-03
1468	494611.06	3858501.99	0.05952	0.06913	0.0472	0.02428	2.22E-04	2.06E-03	3.01E-04	7.67E-05	2.66E-03	2.02E-04	2.09E-09	4.01E-06	2.09E-06	2.08E-04	2.57E-04	2.06E-03	3.01E-04	7.67E-05	2.70E-03
1469	494661.06	3858501.99	0.05909	0.06849	0.0467	0.02411	2.20E-04	2.04E-03	2.98E-04	7.61E-05	2.64E-03	2.01E-04	2.07E-09	3.97E-06	2.08E-06	2.07E-04	2.55E-04	2.04E-03	2.98E-04	7.61E-05	2.67E-03
1470	494711.06	3858501.99	0.05824	0.06749	0.0461	0.02391	2.17E-04	2.01E-03	2.94E-04	7.55E-05	2.60E-03	1.98E-04	2.04E-09	3.92E-06	2.06E-06	2.04E-04	2.51E-04	2.01E-03	2.94E-04	7.55E-05	2.63E-03
1471	494761.06	3858501.99	0.05726	0.06637	0.0454	0.02368	2.14E-04	1.98E-03	2.90E-04	7.48E-05	2.56E-03	1.94E-04	2.00E-09	3.86E-06	2.04E-06	2.00E-04	2.47E-04	1.98E-03	2.90E-04	7.48E-05	2.59E-03
1472	494811.06	3858501.99	0.05636	0.06534	0.0448	0.02348	2.10E-04	1.95E-03	2.86E-04	7.41E-05	2.52E-03	1.91E-04	1.97E-09	3.81E-06	2.02E-06	1.97E-04	2.43E-04	1.95E-03	2.86E-04	7.41E-05	2.55E-03
1473	494861.06	3858501.99	0.05577	0.06458	0.0443	0.02331	2.08E-04	1.93E-03	2.83E-04	7.36E-05	2.49E-03	1.89E-04	1.95E-09	3.77E-06	2.01E-06	1.95E-04	2.41E-04	1.93E-03	2.83E-04	7.36E-05	2.52E-03
1474	494911.06	3858501.99	0.0545	0.06326	0.0435	0.02306	2.03E-04	1.89E-03	2.78E-04	7.28E-05	2.44E-03	1.85E-04	1.91E-09	3.70E-06	1.99E-06	1.91E-04	2.35E-04	1.89E-03	2.78E-04	7.28E-05	2.47E-03
1475	494961.06	3858501.99	0.05385	0.06251	0.0431	0.0229	2.01E-04	1.86E-03	2.75E-04	7.23E-05	2.41E-03	1.83E-04	1.89E-09	3.66E-06	1.97E-06	1.88E-04	2.32E-04	1.86E-03	2.75E-04	7.23E-05	2.44E-03
1476	495011.06	3858501.99	0.05278	0.06134	0.0424	0.02268	1.97E-04	1.83E-03	2.71E-04	7.16E-05	2.37E-03	1.79E-04	1.85E-09	3.61E-06	1.95E-06	1.85E-04	2.28E-04	1.83E-03	2.71E-04	7.16E-05	2.40E-03
1477	495061.06	3858501.99	0.05239	0.06078	0.0421	0.02254	1.95E-04	1.81E-03	2.68E-04	7.12E-05	2.35E-03	1.78E-04	1.84E-09	3.58E-06	1.94E-06	1.83E-04	2.26E-04	1.81E-03	2.68E-04	7.12E-05	2.38E-03
1478	495111.06	3858501.99	0.05105	0.05941	0.0414	0.02229	1.90E-04	1.77E-03	2.64E-04	7.04E-05	2.30E-03	1.73E-04	1.79E-09	3.52E-06	1.92E-06	1.79E-04	2.20E-04	1.77E-03	2.64E-04	7.04E-05	2.33E-03
1479	495161.06	3858501.99	0.05023	0.05849	0.0409	0.02211	1.87E-04	1.74E-03	2.61E-04	6.98E-05	2.26E-03	1.71E-04	1.77E-09	3.48E-06	1.90E-06	1.76E-04	2.17E-04	1.74E-03	2.61E-04	6.98E-05	2.29E-03
1480	495211.06	3858501.99	0.04943	0.0576	0.0403	0.02192	1.84E-04	1.72E-03	2.57E-04	6.92E-05	2.23E-03	1.68E-04	1.74E-09	3.43E-06	1.89E-06	1.73E-04	2.13E-04	1.72E-03	2.57E-04	6.92E-05	2.26E-03
1481	495261.06	3858501.99	0.0489	0.05694	0.0399	0.02176	1.82E-04	1.70E-03	2.54E-04	6.87E-05	2.20E-03	1.66E-04	1.72E-09	3.39E-06	1.87E-06	1.71E-04	2.11E-04	1.70E-03	2.54E-04	6.87E-05	2.23E-03
1482	495311.06	3858501.99	0.04862	0.05649	0.0396	0.02163	1.81E-04	1.69E-03	2.53E-04	6.83E-05	2.19E-03	1.65E-04	1.71E-09	3.37E-06	1.86E-06	1.70E-04	2.10E-04	1.69E-03	2.53E-04	6.83E-05	2.22E-03
1483	495361.06	3858501.99	0.04837	0.05607	0.0394	0.0215	1.80E-04	1.67E-03	2.51E-04	6.79E-05	2.17E-03	1.64E-04	1.69E-09	3.35E-06	1.85E-06	1.69E-04	2.09E-04	1.67E-03	2.51E-04	6.79E-05	2.20E-03
1484	495411.06	3858501.99	0.04823	0.05571	0.0392	0.02139	1.80E-04	1.66E-03	2.50E-04	6.75E-05	2.16E-03	1.64E-04	1.68E-09	3.33E-06	1.84E-06	1.69E-04	2.08E-04	1.66E-03	2.50E-04	6.75E-05	2.19E-03
1485	495461.06	3858501.99	0.04809	0.05539	0.039	0.02128	1.79E-04	1.65E-03	2.48E-04	6.72E-05	2.15E-03	1.63E-04	1.67E-09	3.31E-06	1.83E-06	1.68E-04	2.08E-04	1.65E-03	2.48E-04	6.72E-05	2.18E-03
1486	495511.06	3858501.99	0.04784	0.05498	0.0387	0.02116	1.79E-04	1.64E-03	2.47E-04	6.68E-05	2.13E-03	1.62E-04	1.66E-09	3.29E-06	1.82E-06	1.68E-04	2.06E-04	1.64E-03	2.47E-04	6.68E-05	2.16E-03
1487	495561.06	3858501.99	0.04795	0.0549	0.0386	0.02108	1.79E-04	1.64E-03	2.46E-04	6.66E-05	2.13E-03	1.63E-04	1.66E-09	3.28E-06	1.82E-06	1.68E-04	2.07E-04	1.64E-03	2.46E-04	6.66E-05	2.16E-03
1488	495611.06	3858501.99	0.04767	0.05436	0.0384	0.021	1.78E-04	1.62E-03	2.45E-04	6.63E-05	2.11E-03	1.62E-04	1.64E-09	3.27E-06	1.81E-06	1.67E-04	2.06E-04	1.62E-03	2.45E-04	6.63E-05	2.14E-03
1489	495661.06	3858501.99	0.04748	0.05409	0.0381	0.02085	1.77E-04	1.61E-03	2.43E-04	6.58E-05	2.10E-03	1.61E-04	1.63E-09	3.24E-06	1.80E-06	1.66E-04	2.05E-04	1.61E-03	2.43E-04	6.58E-05	2.13E-03
1490	494311.06	3858551.99	0.06118	0.07362	0.0496	0.02534	2.28E-04	2.20E-03	3.17E-04	8.00E-05	2.82E-03	2.08E-04	2.22E-09	4.22E-06	2.18E-06	2.14E-04	2.64E-04	2.20E-03	3.17E-04	8.00E-05	2.86E-03
1491	494361.06	3858551.99	0.06171	0.07377	0.0499	0.02529	2.30E-04	2.20E-03	3.18E-04	7.98E-05	2.83E-03	2.10E-04	2.23E-09	4.24E-06	2.18E-06	2.16E-04	2.66E-04	2.20E-03	3.18E-04	7.98E-05	2.87E-03
1492	494411.06	3858551.99	0.06195	0.07391	0.0494	0.02514	2.31E-04	2.20E-03	3.15E-04	7.94E-05	2.83E-03	2.10E-04	2.23E-09	4.20E-06	2.16E-06	2.17E-04	2.67E-04	2.20E-03	3.15E-04	7.94E-05	2.87E-03
1493	494461.06	3858551.99	0.06188	0.07354	0.0491	0.02502	2.31E-04	2.19E-03	3.13E-04	7.90E-05	2.82E-03	2.10E-04	2.22E-09	4.18E-06	2.15E-06	2.16E-04	2.67E-04	2.19E-03	3.13E-04	7.90E-05	2.85E-03
1494	494511.06	3858551.99	0.06147	0.07287	0.0486	0.02485	2.29E-04	2.17E-03	3.10E-04	7.85E-05	2.79E-03	2.09E-04	2.20E-09	4.13E-06	2.14E-06	2.15E-04	2.65E-04	2.17E-03	3.10E-04	7.85E-05	2.83E-03
1495	494561.06	3858551.99	0.06115	0.07228	0.0482	0.02469	2.28E-04	2.16E-03	3.08E-04	7.80E-05	2.77E-03	2.08E-04	2.18E-09	4.10E-06	2.13E-06	2.14E-04	2.64E-04	2.16E-03	3.08E-04	7.80E-05	2.81E-03
1496	494611.06	3858551.99	0.06061	0.07151	0.0476	0.02451	2.26E-04	2.13E-03	3.04E-04	7.74E-05	2.74E-03	2.06E-04	2.16E-09	4.05E-06	2.11E-06	2.12E-04	2.62E-04	2.13E-03	3.04E-04	7.74E-05	2.78E-03
1497	494661.06	3858551.99	0.06014	0.0708	0.0471	0.02434	2.24E-04	2.11E-03	3.00E-04	7.69E-05	2.71E-03	2.04E-04	2.14E-09	4.00E-06	2.10E-06	2.10E-04	2.60E-04	2.11E-03	3.00E-04	7.69E-05	2.75E-03
1498	494711.06	3858551.99	0.05917	0.06964	0.0464	0.0241	2.21E-04	2.08E-03	2.96E-04	7.61E-05	2.67E-03	2.01E-04	2.10E-09	3.94E-06	2.08E-06	2.07E-04	2.55E-04	2.08E-03	2.96E-04	7.61E-05	2.70E-03
1499	494761.06	3858551.99	0.05822	0.06852	0.0456	0.02387	2.17E-04	2.04E-03	2.91E-04	7.54E-05	2.63E-03	1.98E-04	2.07E-09	3.87E-06	2.06E-06	2.04E-04	2.51E-04	2.04E-03	2.91E-04	7.54E-05	2.66E-03
1500	494811.06	3858551.99	0.0575	0.06762	0.0448	0.02368	2.15E-04	2.02E-03	2.86E-04	7.48E-05	2.59E-03	1.95E-04	2.04E-09	3.81E-06	2.04E-06	2.01E-04	2.48E-04	2.02E-03	2.86E-04	7.48E-05	2.63E-03
1501	494861.06	3858551.99	0.05655	0.06651	0.0442	0.02346	2.11E-04	1.98E-03	2.82E-04	7.41E-05	2.55E-03	1.92E-04	2.01E-09	3.76E-06	2.02E-06	1.98E-04	2.44E-04	1.98E-03	2.82E-04	7.41E-05	2.58E-03
1502	494911.06	3858551.99	0.05544	0.06526	0.0434	0.02321	2.07E-04	1.95E-03	2.77E-04	7.33E-05	2.50E-03	1.88E-04	1.97E-09	3.69E-06	2.00E-06	1.94E-04	2.39E-04	1.95E-03	2.77E-04	7.33E-05	2.54E-03
1503	494961.06	3858551.99	0.0546	0.06426	0.0428	0.02301	2.04E-04	1.92E-03	2.73E-04	7.27E-05	2.47E-03	1.85E-04	1.94E-09	3.64E-06	1.98E-06	1.91E-04	2.36E-04	1.92E-03	2.73E-04	7.27E-05	2.50E-03
1504	495011.06	3858551.99	0.05348	0.06303	0.0422	0.02279	2.00E-04	1.88E-03	2.69E-04	7.20E-05	2.42E-03	1.82E-04	1.90E-09	3.58E-06	1.96E-06	1.87E-04	2.31E-04	1.88E-03	2.69E-04	7.20E-05	2.45E-03
1505	495061.06	3858551.99	0.05278	0.06224	0.0417	0.02261	1.97E-04	1.86E-03	2.66E-04	7.14E-05	2.39E-03	1.79E-04	1.88E-09	3.54E-06	1.95E-06	1.85E-04	2.28E-04	1.86E-03	2.66E-04	7.14E-05	2.42E-03
1506	495111.06	3858551.99	0.05144	0.06081	0.0409	0.02236	1.92E-04	1.81E-03	2.61E-04	7.06E-05	2.34E-03	1.75E-04	1.84E-09	3.48E-06	1.93E-06	1.80E-04	2.22E-04	1.81E-03	2.61E-04	7.06E-05	2.37E-03
1507	495161.06	3858551.99	0.05062	0.05986	0.0404	0.02216	1.89E-04	1.79E-03	2.58E-04	7.00E-05	2.30E-03	1.72E-04	1.81E-09	3.43E-06	1.91E-06	1.77E-04	2.18E-04	1.79E-03	2.58E-04	7.00E-05	2.33E-03
1508	495211.06	3858551.99	0.0499	0.05901	0.0399	0.02199	1.86E-04	1.76E-03	2.55E-04	6.94E-05	2.27E-03	1.69E-04	1.78E-09	3.40E-06	1.89E-06	1.75E-04	2.15E-04	1.76E-03	2.55E-04	6.94E-05	2.30E-03
1509	495261.06	3858551.99	0.04944	0.05838	0.0396	0.02184	1.84E-04	1.74E-03	2.53E-04	6.90E-05	2.25E-03	1.68E-04	1.76E-09	3.37E-06	1.88E-06	1.73E-04	2.13E-04	1.74E-03	2.53E-04	6.90E-05	2.28E-03
1510	495311.06	3858551.99	0.04925	0.05799	0.0394	0.02172	1.84E-04	1.73E-03	2.51E-04	6.86E-05	2.23E-03	1.67E-04	1.75E-09	3.35E-06	1.87E-06	1.72E-04	2.13E-04	1.73E-03	2.51E-04	6.86E-05	2.26E-03
1511	495361.06	3858551.99	0.04901	0.05756	0.0391	0.0216	1.83E-04	1.72E-03	2.50E-04	6.82E-05	2.22E-03	1.66E-04	1.74E-09	3.33E-06	1.86E-06	1.72E-04	2.11E-04	1.72E-03	2.50E-04	6.82E-05	2.25E-03
1512	495411.06	3858551.99	0.04894	0.05728	0.0389	0.02149	1.83E-04	1.71E-03	2.48E-04	6.79E-05	2.21E-03	1.66E-04	1.73E-09	3.31E-06	1.85E-06	1.71E-04	2.11E-04	1.71E-03	2.48E-04	6.79E-05	2.24E-03
1513	495461.06	3858551.99	0.04876	0.05691	0.0387	0.02137	1.82E-04	1.70E-03	2.47E-04	6.75E-05	2.19E-03	1.66E-04	1.72E-09	3.29E-06	1.84E-06	1.71E-04	2.10E-04	1.70E-03	2.47E-04	6.75E-05	2.22E-03
1514	495511.06	3858551.99	0.04871	0.05666	0.0386	0.02128	1.82E-04	1.69E-03	2.46E-04	6.72E-05	2.19E-03	1.65E-04	1.71E-09	3.28E-06	1.83E-06	1.70E-04	2.10E-04	1.69E-03	2.46E-04	6.72E-05	2.21E-03
1515	495561.06	3858551.99	0.04852	0.05628	0.0383	0.02116	1.81E-04	1.68E-03	2.45E-04	6.68E-05	2.17E-03	1.65E-04	1.70E-09	3.26E-06	1.82E-06	1.70E-04	2.09E-04	1.68E-03	2.45E-04	6.68E-05	2.20E-03
1516	495611.06	3858551.99	0.04826	0.05585	0.0381	0.02104	1.80E-04	1.67E-03	2.43E-04	6.64E-05	2.16E-03	1.64E-04	1.69E-09	3.24E-06	1.81E-06	1.69E-04	2.08E-04	1.67E-03	2.43E-04	6.64E-05	2.18E-03
1517	495661.06	3858551.99	0.04795	0.05538	0.0378	0.02091	1.79E-04	1.65E-03	2.41E-04	6.60E-05	2.14E-03	1.63E-04	1.67E-09	3.21E-06	1.80E-06	1.68E-04	2.07E-04	1.65E-03	2.41E-04	6.60E-05	2.17E-03
1518	494311.06	3858601.99	0.05734	0.07191	0.0462	0.02489	2.14E-04	2.15E-03	2.95E-04	7.86E-05	2.73E-03	1.95E-04	2.17E-09	3.93E-06	2.14E-06	2.01E-04	2.47E-04	2.15E-03	2.95E-04	7.86E-05	2.77E-03
1519	494361.06	3858601.99	0.0609	0.07459	0.0491	0.02531	2.27E-04	2.23E-03	3.13E-04	7.99E-05	2.85E-03	2.07E-04	2.25E-09	4.17E-06	2.18E-06	2.13E-04	2.63E-04	2.23E-03	3.13E-04	7.99E-05	2.88E-03
1520	494411.06	3858601.99	0.06305	0.07651	0.0496	0.02544	2.35E-04	2.28E-03	3.16E-04	8.03E-05	2.91E-03	2.14E-04	2.31E-09	4.22E-06	2.19E-06	2.20E-04	2.72E-04	2.28E-03	3.16E-04	8.03E-05	2.95E-03
1521	494461.06	3858601.99	0.06295	0.07609	0.0493	0.02531	2.35E-04	2.27E-03	3.14E-04	7.99E-05	2.90E-03	2.14E-04	2.30E-09	4.19E-06	2.18E-06	2.20E-04	2.72E-04	2.27E-03	3.14E-04	7.99E-05	2.94E-03

1522	494511.06	3858601.99	0.06228	0.07489	0.049	0.02515	2.32E-04	2.23E-03	3.12E-04	7.94E-05	2.86E-03	2.11E-04	2.26E-09	4.17E-06	2.17E-06	2.18E-04	2.69E-04	2.23E-03	3.12E-04	7.94E-05	2.89E-03
1523	494561.06	3858601.99	0.06236	0.0749	0.0485	0.02499	2.33E-04	2.23E-03	3.10E-04	7.89E-05	2.85E-03	2.12E-04	2.26E-09	4.13E-06	2.15E-06	2.18E-04	2.69E-04	2.23E-03	3.10E-04	7.89E-05	2.89E-03
1524	494611.06	3858601.99	0.06158	0.07386	0.0479	0.02476	2.30E-04	2.20E-03	3.06E-04	7.82E-05	2.82E-03	2.09E-04	2.23E-09	4.08E-06	2.13E-06	2.15E-04	2.66E-04	2.20E-03	3.06E-04	7.82E-05	2.85E-03
1525	494661.06	3858601.99	0.06105	0.07306	0.0475	0.02457	2.28E-04	2.18E-03	3.03E-04	7.76E-05	2.79E-03	2.07E-04	2.21E-09	4.04E-06	2.12E-06	2.13E-04	2.63E-04	2.18E-03	3.03E-04	7.76E-05	2.82E-03
1526	494711.06	3858601.99	0.06015	0.07193	0.0468	0.02432	2.24E-04	2.15E-03	2.99E-04	7.68E-05	2.75E-03	2.04E-04	2.17E-09	3.98E-06	2.09E-06	2.10E-04	2.60E-04	2.15E-03	2.99E-04	7.68E-05	2.78E-03
1527	494761.06	3858601.99	0.05926	0.07082	0.046	0.02409	2.21E-04	2.11E-03	2.93E-04	7.61E-05	2.70E-03	2.01E-04	2.14E-09	3.91E-06	2.07E-06	2.07E-04	2.56E-04	2.11E-03	2.93E-04	7.61E-05	2.74E-03
1528	494811.06	3858601.99	0.05788	0.06925	0.0449	0.02379	2.16E-04	2.07E-03	2.87E-04	7.51E-05	2.64E-03	1.97E-04	2.09E-09	3.82E-06	2.05E-06	2.02E-04	2.50E-04	2.07E-03	2.87E-04	7.51E-05	2.68E-03
1529	494861.06	3858601.99	0.0572	0.06835	0.0443	0.02359	2.13E-04	2.04E-03	2.83E-04	7.45E-05	2.61E-03	1.94E-04	2.06E-09	3.77E-06	2.03E-06	2.00E-04	2.47E-04	2.04E-03	2.83E-04	7.45E-05	2.64E-03
1530	494911.06	3858601.99	0.05593	0.06693	0.0432	0.02332	2.09E-04	2.00E-03	2.76E-04	7.36E-05	2.55E-03	1.90E-04	2.02E-09	3.68E-06	2.01E-06	1.96E-04	2.41E-04	2.00E-03	2.76E-04	7.36E-05	2.59E-03
1531	494961.06	3858601.99	0.05507	0.06587	0.0426	0.02311	2.05E-04	1.97E-03	2.72E-04	7.30E-05	2.52E-03	1.87E-04	1.99E-09	3.63E-06	1.99E-06	1.93E-04	2.38E-04	1.97E-03	2.72E-04	7.30E-05	2.55E-03
1532	495011.06	3858601.99	0.05417	0.0648	0.042	0.02289	2.02E-04	1.93E-03	2.68E-04	7.23E-05	2.48E-03	1.84E-04	1.96E-09	3.57E-06	1.97E-06	1.89E-04	2.34E-04	1.93E-03	2.68E-04	7.23E-05	2.51E-03
1533	495061.06	3858601.99	0.05322	0.06369	0.0413	0.02267	1.99E-04	1.90E-03	2.64E-04	7.16E-05	2.43E-03	1.81E-04	1.92E-09	3.51E-06	1.95E-06	1.86E-04	2.30E-04	1.90E-03	2.64E-04	7.16E-05	2.46E-03
1534	495111.06	3858601.99	0.05173	0.06217	0.0405	0.02241	1.93E-04	1.85E-03	2.58E-04	7.08E-05	2.38E-03	1.76E-04	1.88E-09	3.44E-06	1.93E-06	1.81E-04	2.23E-04	1.85E-03	2.58E-04	7.08E-05	2.41E-03
1535	495161.06	3858601.99	0.05102	0.06128	0.04	0.02222	1.90E-04	1.83E-03	2.55E-04	7.02E-05	2.34E-03	1.73E-04	1.85E-09	3.40E-06	1.91E-06	1.79E-04	2.20E-04	1.83E-03	2.55E-04	7.02E-05	2.37E-03
1536	495211.06	3858601.99	0.05059	0.06065	0.0396	0.02207	1.89E-04	1.81E-03	2.53E-04	6.97E-05	2.32E-03	1.72E-04	1.83E-09	3.37E-06	1.90E-06	1.77E-04	2.18E-04	1.81E-03	2.53E-04	6.97E-05	2.35E-03
1537	495261.06	3858601.99	0.05008	0.05994	0.0393	0.02191	1.87E-04	1.79E-03	2.50E-04	6.92E-05	2.29E-03	1.70E-04	1.81E-09	3.34E-06	1.89E-06	1.75E-04	2.16E-04	1.79E-03	2.50E-04	6.92E-05	2.32E-03
1538	495311.06	3858601.99	0.04974	0.0594	0.039	0.02176	1.86E-04	1.77E-03	2.49E-04	6.87E-05	2.28E-03	1.69E-04	1.79E-09	3.32E-06	1.87E-06	1.74E-04	2.15E-04	1.77E-03	2.49E-04	6.87E-05	2.30E-03
1539	495361.06	3858601.99	0.04958	0.05903	0.0388	0.02165	1.85E-04	1.76E-03	2.47E-04	6.84E-05	2.26E-03	1.68E-04	1.78E-09	3.30E-06	1.86E-06	1.73E-04	2.14E-04	1.76E-03	2.47E-04	6.84E-05	2.29E-03
1540	495411.06	3858601.99	0.04943	0.05867	0.0386	0.02153	1.84E-04	1.75E-03	2.46E-04	6.80E-05	2.25E-03	1.68E-04	1.77E-09	3.28E-06	1.85E-06	1.73E-04	2.13E-04	1.75E-03	2.46E-04	6.80E-05	2.28E-03
1541	495461.06	3858601.99	0.04933	0.05835	0.0384	0.02142	1.84E-04	1.74E-03	2.45E-04	6.76E-05	2.24E-03	1.67E-04	1.76E-09	3.26E-06	1.84E-06	1.73E-04	2.13E-04	1.74E-03	2.45E-04	6.76E-05	2.27E-03
1542	495511.06	3858601.99	0.04897	0.05781	0.0381	0.02129	1.83E-04	1.72E-03	2.43E-04	6.72E-05	2.22E-03	1.66E-04	1.75E-09	3.24E-06	1.83E-06	1.71E-04	2.11E-04	1.72E-03	2.43E-04	6.72E-05	2.25E-03
1543	495561.06	3858601.99	0.04898	0.0576	0.038	0.02119	1.83E-04	1.72E-03	2.42E-04	6.69E-05	2.21E-03	1.66E-04	1.74E-09	3.23E-06	1.82E-06	1.71E-04	2.11E-04	1.72E-03	2.42E-04	6.69E-05	2.24E-03
1544	495611.06	3858601.99	0.04853	0.05698	0.0377	0.02105	1.81E-04	1.70E-03	2.40E-04	6.65E-05	2.19E-03	1.65E-04	1.72E-09	3.20E-06	1.81E-06	1.70E-04	2.09E-04	1.70E-03	2.40E-04	6.65E-05	2.22E-03
1545	495661.06	3858601.99	0.04846	0.05671	0.0375	0.02095	1.81E-04	1.69E-03	2.39E-04	6.61E-05	2.18E-03	1.65E-04	1.71E-09	3.19E-06	1.80E-06	1.70E-04	2.09E-04	1.69E-03	2.39E-04	6.61E-05	2.21E-03
1546	494311.06	3858651.99	0.0564	0.07255	0.0452	0.02486	2.10E-04	2.16E-03	2.88E-04	7.85E-05	2.74E-03	1.91E-04	2.19E-09	3.84E-06	2.14E-06	1.97E-04	2.43E-04	2.16E-03	2.88E-04	7.85E-05	2.77E-03
1547	494361.06	3858651.99	0.05988	0.07521	0.0481	0.02528	2.23E-04	2.24E-03	3.07E-04	7.98E-05	2.85E-03	2.03E-04	2.27E-09	4.09E-06	2.18E-06	2.10E-04	2.58E-04	2.24E-03	3.07E-04	7.98E-05	2.89E-03
1548	494411.06	3858651.99	0.06353	0.07836	0.0503	0.02572	2.37E-04	2.34E-03	3.21E-04	8.12E-05	2.98E-03	2.16E-04	2.37E-09	4.28E-06	2.21E-06	2.22E-04	2.74E-04	2.34E-03	3.21E-04	8.12E-05	3.01E-03
1549	494461.06	3858651.99	0.06369	0.07846	0.0494	0.02552	2.38E-04	2.34E-03	3.15E-04	8.06E-05	2.97E-03	2.16E-04	2.37E-09	4.20E-06	2.20E-06	2.23E-04	2.75E-04	2.34E-03	3.15E-04	8.06E-05	3.01E-03
1550	494511.06	3858651.99	0.06328	0.07771	0.049	0.02534	2.36E-04	2.32E-03	3.12E-04	8.00E-05	2.95E-03	2.15E-04	2.35E-09	4.16E-06	2.18E-06	2.21E-04	2.73E-04	2.32E-03	3.12E-04	8.00E-05	2.98E-03
1551	494561.06	3858651.99	0.06306	0.07716	0.0486	0.02519	2.35E-04	2.30E-03	3.10E-04	7.95E-05	2.93E-03	2.14E-04	2.33E-09	4.13E-06	2.17E-06	2.20E-04	2.72E-04	2.30E-03	3.10E-04	7.95E-05	2.96E-03
1552	494611.06	3858651.99	0.06265	0.07644	0.0482	0.02501	2.34E-04	2.28E-03	3.07E-04	7.90E-05	2.90E-03	2.13E-04	2.31E-09	4.10E-06	2.15E-06	2.19E-04	2.70E-04	2.28E-03	3.07E-04	7.90E-05	2.94E-03
1553	494661.06	3858651.99	0.06194	0.07543	0.0476	0.02479	2.31E-04	2.25E-03	3.03E-04	7.83E-05	2.86E-03	2.10E-04	2.28E-09	4.05E-06	2.13E-06	2.16E-04	2.67E-04	2.25E-03	3.03E-04	7.83E-05	2.90E-03
1554	494711.06	3858651.99	0.06091	0.07408	0.0468	0.02453	2.27E-04	2.21E-03	2.99E-04	7.75E-05	2.81E-03	2.07E-04	2.24E-09	3.98E-06	2.11E-06	2.13E-04	2.63E-04	2.21E-03	2.99E-04	7.75E-05	2.85E-03
1555	494761.06	3858651.99	0.06013	0.07302	0.0462	0.02431	2.24E-04	2.18E-03	2.95E-04	7.68E-05	2.77E-03	2.04E-04	2.21E-09	3.93E-06	2.09E-06	2.10E-04	2.59E-04	2.18E-03	2.95E-04	7.68E-05	2.81E-03
1556	494811.06	3858651.99	0.05892	0.07156	0.0454	0.024	2.20E-04	2.13E-03	2.90E-04	7.58E-05	2.72E-03	2.00E-04	2.16E-09	3.86E-06	2.07E-06	2.06E-04	2.54E-04	2.13E-03	2.90E-04	7.58E-05	2.75E-03
1557	494861.06	3858651.99	0.05782	0.07023	0.0445	0.02374	2.16E-04	2.10E-03	2.84E-04	7.50E-05	2.67E-03	1.96E-04	2.12E-09	3.78E-06	2.04E-06	2.02E-04	2.50E-04	2.10E-03	2.84E-04	7.50E-05	2.70E-03
1558	494911.06	3858651.99	0.05658	0.06877	0.0435	0.02345	2.11E-04	2.05E-03	2.78E-04	7.40E-05	2.61E-03	1.92E-04	2.08E-09	3.70E-06	2.02E-06	1.98E-04	2.44E-04	2.05E-03	2.78E-04	7.40E-05	2.65E-03
1559	494961.06	3858651.99	0.05549	0.06747	0.0426	0.0232	2.07E-04	2.01E-03	2.72E-04	7.33E-05	2.57E-03	1.88E-04	2.04E-09	3.62E-06	2.00E-06	1.94E-04	2.39E-04	2.01E-03	2.72E-04	7.33E-05	2.60E-03
1560	495011.06	3858651.99	0.05466	0.06643	0.0419	0.02298	2.04E-04	1.98E-03	2.67E-04	7.26E-05	2.53E-03	1.86E-04	2.01E-09	3.56E-06	1.98E-06	1.91E-04	2.36E-04	1.98E-03	2.67E-04	7.26E-05	2.56E-03
1561	495061.06	3858651.99	0.05371	0.06527	0.0412	0.02276	2.00E-04	1.95E-03	2.63E-04	7.19E-05	2.48E-03	1.82E-04	1.97E-09	3.51E-06	1.96E-06	1.88E-04	2.32E-04	1.95E-03	2.63E-04	7.19E-05	2.51E-03
1562	495111.06	3858651.99	0.05257	0.064	0.0404	0.0225	1.96E-04	1.91E-03	2.58E-04	7.10E-05	2.43E-03	1.78E-04	1.93E-09	3.44E-06	1.94E-06	1.84E-04	2.27E-04	1.91E-03	2.58E-04	7.10E-05	2.46E-03
1563	495161.06	3858651.99	0.05189	0.06308	0.0399	0.02231	1.94E-04	1.88E-03	2.55E-04	7.04E-05	2.40E-03	1.76E-04	1.90E-09	3.40E-06	1.92E-06	1.81E-04	2.24E-04	1.88E-03	2.55E-04	7.04E-05	2.43E-03
1564	495211.06	3858651.99	0.05107	0.06208	0.0394	0.02212	1.91E-04	1.85E-03	2.51E-04	6.98E-05	2.36E-03	1.73E-04	1.87E-09	3.35E-06	1.90E-06	1.79E-04	2.20E-04	1.85E-03	2.51E-04	6.98E-05	2.39E-03
1565	495261.06	3858651.99	0.0509	0.06167	0.0392	0.02199	1.90E-04	1.84E-03	2.50E-04	6.94E-05	2.35E-03	1.73E-04	1.86E-09	3.33E-06	1.89E-06	1.78E-04	2.20E-04	1.84E-03	2.50E-04	6.94E-05	2.38E-03
1566	495311.06	3858651.99	0.05053	0.06109	0.0389	0.02185	1.89E-04	1.82E-03	2.48E-04	6.90E-05	2.33E-03	1.72E-04	1.84E-09	3.30E-06	1.88E-06	1.77E-04	2.18E-04	1.82E-03	2.48E-04	6.90E-05	2.36E-03
1567	495361.06	3858651.99	0.0503	0.06068	0.0386	0.02172	1.88E-04	1.81E-03	2.46E-04	6.86E-05	2.31E-03	1.71E-04	1.83E-09	3.28E-06	1.87E-06	1.76E-04	2.17E-04	1.81E-03	2.46E-04	6.86E-05	2.34E-03
1568	495411.06	3858651.99	0.05028	0.06036	0.0385	0.02161	1.88E-04	1.80E-03	2.45E-04	6.82E-05	2.30E-03	1.71E-04	1.82E-09	3.27E-06	1.86E-06	1.76E-04	2.17E-04	1.80E-03	2.45E-04	6.82E-05	2.33E-03
1569	495461.06	3858651.99	0.05032	0.06016	0.0383	0.02152	1.88E-04	1.79E-03	2.45E-04	6.79E-05	2.30E-03	1.71E-04	1.82E-09	3.26E-06	1.85E-06	1.76E-04	2.17E-04	1.79E-03	2.45E-04	6.79E-05	2.32E-03
1570	495511.06	3858651.99	0.04981	0.05952	0.038	0.02137	1.86E-04	1.78E-03	2.42E-04	6.75E-05	2.27E-03	1.69E-04	1.80E-09	3.23E-06	1.84E-06	1.74E-04	2.15E-04	1.78E-03	2.42E-04	6.75E-05	2.30E-03
1571	495561.06	3858651.99	0.04951	0.05902	0.0377	0.02124	1.85E-04	1.76E-03	2.40E-04	6.71E-05	2.25E-03	1.68E-04	1.78E-09	3.21E-06	1.83E-06	1.73E-04	2.14E-04	1.76E-03	2.40E-04	6.71E-05	2.28E-03
1572	495611.06	3858651.99	0.04898	0.05831	0.0373	0.02108	1.83E-04	1.74E-03	2.38E-04	6.66E-05	2.23E-03	1.66E-04	1.76E-09	3.17E-06	1.82E-06	1.71E-04	2.11E-04	1.74E-03	2.38E-04	6.66E-05	2.26E-03
1573	495661.06	3858651.99	0.04888	0.058	0.0371	0.02097	1.82E-04	1.73E-03	2.37E-04	6.62E-05	2.22E-03	1.66E-04	1.75E-09	3.16E-06	1.81E-06	1.71E-04	2.11E-04	1.73E-03	2.37E-04	6.62E-05	2.24E-03
1574	494311.06	3858701.99	0.05692	0.07457	0.0454	0.02502	2.12E-04	2.22E-03	2.89E-04	7.90E-05	2.81E-03	1.93E-04	2.25E-09	3.86E-06	2.15E-06	1.99E-04	2.46E-04	2.22E-03	2.89E-04	7.90E-05	2.84E-03
1575	494361.06	3858701.99	0.06159	0.07849	0.0489	0.02568	2.30E-04	2.34E-03	3.12E-04	8.11E-05	2.96E-03	2.09E-04	2.37E-09	4.16E-06	2.21E-06	2.15E-04	2.66E-04	2.34E-03	3.12E-04	8.11E-05	3.00E-03
1576	494411.06	3858701.99	0.06414	0.08069	0.0507	0.02595	2.39E-04	2.41E-03	3.23E-04	8.19E-05	3.05E-03	2.18E-04	2.44E-09	4.31E-06	2.23E-06	2.24E-04	2.77E-04	2.41E-03	3.23E-04	8.19E-05	3.09E-03
1577	494461.06	3858701.99	0.06423	0.08041	0.0506	0.02584	2.40E-04	2.40E-03	3.23E-04	8.16E-05	3.04E-03	2.18E-04	2.43E-09	4.30E-06	2.23E-06	2.25E-04	2.77E-04	2.40E-03	3.23E-04	8.16E-05	3.08E-03
1578	494511.06	3858701.99	0.06402	0.08013	0.0492	0.02555	2.39E-04	2.39E-03	3.14E-04	8.07E-05	3.02E-03	2.17E-04	2.42E-09	4.19E-06	2.20E-06	2.24E-04	2.76E-04	2.39E-03	3.14E-04	8.07E-05	3.06E-03
1579	494561.06	3858701.99	0.06366	0.0794	0.0488	0.02538	2.38E-04	2.37E-03	3.11E-04	8.01E-05	3.00E-03	2.16E-04	2.40E-09	4.15E-06	2.19E-06	2.22E-04	2.75E-04	2.37E-03	3.11E-04	8.01E-05	3.03E-03
1580	494611.06	3858701.99	0.06243	0.07779	0.0478	0.02508	2.33E-04	2.32E-03	3.05E-04	7.92E-05	2.94E-03	2.12E-04	2.35E-09	4.06E-06	2.16E-06	2.18E-04	2.69E-04	2.32E-03	3.05E-04	7.92E-05	2.97E-03
1581	494661.06	3858701.99	0.06243	0.07745	0.0476	0.02495	2.33E-04	2.31E-03	3.04E-04	7.88E-05	2.93E-03	2.12E-04	2.34E-09	4.05E-06	2.15E-06	2.18E-04	2.69E-04	2.31E-03	3.04E-04	7.88E-05	2.96E-03
1582	494711.06	3858701.99	0.05967	0.07432	0.0458	0.02443	2.23E-04	2.22E-03	2.92E-04	7.71E-05	2.81E-03	2.03E-04	2.24E-09	3.89E-06	2.10E-06	2.09E-04	2.57E-04	2.22E-03	2.92E-04	7.71E-05	2.84E-03

1583	494761.06	3858701.99	0.06035	0.0747	0.046	0.0244	2.25E-04	2.23E-03	2.93E-04	7.70E-05	2.82E-03	2.05E-04	2.26E-09	3.91E-06	2.10E-06	2.11E-04	2.60E-04	2.23E-03	2.93E-04	7.70E-05	2.86E-03
1584	494811.06	3858701.99	0.05943	0.07316	0.0451	0.02412	2.22E-04	2.18E-03	2.88E-04	7.62E-05	2.77E-03	2.02E-04	2.21E-09	3.84E-06	2.08E-06	2.08E-04	2.56E-04	2.18E-03	2.88E-04	7.62E-05	2.80E-03
1585	494861.06	3858701.99	0.0582	0.07193	0.0445	0.02386	2.17E-04	2.15E-03	2.84E-04	7.53E-05	2.72E-03	1.98E-04	2.17E-09	3.78E-06	2.05E-06	2.03E-04	2.51E-04	2.15E-03	2.84E-04	7.53E-05	2.76E-03
1586	494911.06	3858701.99	0.05739	0.07083	0.0439	0.02362	2.14E-04	2.11E-03	2.80E-04	7.46E-05	2.68E-03	1.95E-04	2.14E-09	3.73E-06	2.03E-06	2.01E-04	2.48E-04	2.11E-03	2.80E-04	7.46E-05	2.72E-03
1587	494961.06	3858701.99	0.05569	0.0689	0.0425	0.02325	2.08E-04	2.06E-03	2.71E-04	7.34E-05	2.61E-03	1.89E-04	2.08E-09	3.62E-06	2.00E-06	1.95E-04	2.40E-04	2.06E-03	2.71E-04	7.34E-05	2.64E-03
1588	495011.06	3858701.99	0.05466	0.06761	0.0417	0.023	2.04E-04	2.02E-03	2.66E-04	7.26E-05	2.56E-03	1.86E-04	2.04E-09	3.55E-06	1.98E-06	1.91E-04	2.36E-04	2.02E-03	2.66E-04	7.26E-05	2.59E-03
1589	495061.06	3858701.99	0.05425	0.06694	0.0413	0.02284	2.02E-04	2.00E-03	2.63E-04	7.21E-05	2.54E-03	1.84E-04	2.02E-09	3.51E-06	1.97E-06	1.90E-04	2.34E-04	2.00E-03	2.63E-04	7.21E-05	2.57E-03
1590	495111.06	3858701.99	0.05303	0.06552	0.0403	0.02257	1.98E-04	1.95E-03	2.57E-04	7.13E-05	2.48E-03	1.80E-04	1.98E-09	3.43E-06	1.94E-06	1.85E-04	2.29E-04	1.95E-03	2.57E-04	7.13E-05	2.51E-03
1591	495161.06	3858701.99	0.05247	0.0647	0.0399	0.0224	1.96E-04	1.93E-03	2.55E-04	7.07E-05	2.45E-03	1.78E-04	1.95E-09	3.39E-06	1.93E-06	1.83E-04	2.26E-04	1.93E-03	2.55E-04	7.07E-05	2.48E-03
1592	495211.06	3858701.99	0.05167	0.06369	0.0393	0.02217	1.93E-04	1.90E-03	2.51E-04	7.00E-05	2.41E-03	1.75E-04	1.92E-09	3.34E-06	1.91E-06	1.81E-04	2.23E-04	1.90E-03	2.51E-04	7.00E-05	2.44E-03
1593	495261.06	3858701.99	0.05154	0.0633	0.0391	0.02205	1.92E-04	1.89E-03	2.50E-04	6.96E-05	2.40E-03	1.75E-04	1.91E-09	3.33E-06	1.90E-06	1.80E-04	2.22E-04	1.89E-03	2.50E-04	6.96E-05	2.43E-03
1594	495311.06	3858701.99	0.05142	0.06292	0.0389	0.02193	1.92E-04	1.88E-03	2.48E-04	6.92E-05	2.39E-03	1.75E-04	1.90E-09	3.31E-06	1.89E-06	1.80E-04	2.22E-04	1.88E-03	2.48E-04	6.92E-05	2.42E-03
1595	495361.06	3858701.99	0.05115	0.06241	0.0387	0.02179	1.91E-04	1.86E-03	2.47E-04	6.88E-05	2.37E-03	1.74E-04	1.88E-09	3.29E-06	1.88E-06	1.79E-04	2.21E-04	1.86E-03	2.47E-04	6.88E-05	2.40E-03
1596	495411.06	3858701.99	0.05115	0.06215	0.0385	0.02169	1.91E-04	1.85E-03	2.46E-04	6.85E-05	2.36E-03	1.74E-04	1.88E-09	3.28E-06	1.87E-06	1.79E-04	2.21E-04	1.85E-03	2.46E-04	6.85E-05	2.39E-03
1597	495461.06	3858701.99	0.05096	0.06172	0.0383	0.02157	1.90E-04	1.84E-03	2.44E-04	6.81E-05	2.34E-03	1.73E-04	1.86E-09	3.26E-06	1.86E-06	1.78E-04	2.20E-04	1.84E-03	2.44E-04	6.81E-05	2.37E-03
1598	495511.06	3858701.99	0.05063	0.06116	0.038	0.02143	1.89E-04	1.82E-03	2.42E-04	6.77E-05	2.32E-03	1.72E-04	1.85E-09	3.23E-06	1.85E-06	1.77E-04	2.18E-04	1.82E-03	2.42E-04	6.77E-05	2.35E-03
1599	495561.06	3858701.99	0.0502	0.06052	0.0376	0.02127	1.87E-04	1.81E-03	2.40E-04	6.72E-05	2.30E-03	1.70E-04	1.83E-09	3.20E-06	1.83E-06	1.75E-04	2.17E-04	1.81E-03	2.40E-04	6.72E-05	2.33E-03
1600	495611.06	3858701.99	0.04976	0.05988	0.0373	0.02113	1.86E-04	1.79E-03	2.38E-04	6.67E-05	2.28E-03	1.69E-04	1.81E-09	3.17E-06	1.82E-06	1.74E-04	2.15E-04	1.79E-03	2.38E-04	6.67E-05	2.31E-03
1601	495661.06	3858701.99	0.04952	0.05943	0.0371	0.021	1.85E-04	1.77E-03	2.37E-04	6.63E-05	2.26E-03	1.68E-04	1.79E-09	3.15E-06	1.81E-06	1.73E-04	2.14E-04	1.77E-03	2.37E-04	6.63E-05	2.29E-03
1602	494311.06	3858751.99	0.05774	0.07667	0.0458	0.02531	2.15E-04	2.29E-03	2.92E-04	7.99E-05	2.87E-03	1.96E-04	2.32E-09	3.90E-06	2.18E-06	2.02E-04	2.49E-04	2.29E-03	2.92E-04	7.99E-05	2.91E-03
1603	494361.06	3858751.99	0.06297	0.08159	0.0497	0.02603	2.35E-04	2.43E-03	3.17E-04	8.22E-05	3.07E-03	2.14E-04	2.46E-09	4.23E-06	2.24E-06	2.20E-04	2.72E-04	2.43E-03	3.17E-04	8.22E-05	3.11E-03
1604	494411.06	3858751.99	0.06489	0.08324	0.0512	0.02624	2.42E-04	2.48E-03	3.27E-04	8.28E-05	3.14E-03	2.20E-04	2.51E-09	4.36E-06	2.26E-06	2.27E-04	2.80E-04	2.48E-03	3.27E-04	8.28E-05	3.17E-03
1605	494461.06	3858751.99	0.06496	0.08293	0.0512	0.02612	2.42E-04	2.47E-03	3.26E-04	8.25E-05	3.13E-03	2.21E-04	2.50E-09	4.35E-06	2.25E-06	2.27E-04	2.80E-04	2.47E-03	3.26E-04	8.25E-05	3.16E-03
1606	494511.06	3858751.99	0.06494	0.08285	0.0496	0.02582	2.42E-04	2.47E-03	3.16E-04	8.15E-05	3.11E-03	2.20E-04	2.50E-09	4.22E-06	2.22E-06	2.27E-04	2.80E-04	2.47E-03	3.16E-04	8.15E-05	3.15E-03
1607	494561.06	3858751.99	0.06439	0.08157	0.0494	0.02566	2.40E-04	2.43E-03	3.15E-04	8.10E-05	3.07E-03	2.19E-04	2.46E-09	4.20E-06	2.21E-06	2.25E-04	2.78E-04	2.43E-03	3.15E-04	8.10E-05	3.11E-03
1608	494611.06	3858751.99	0.06334	0.08013	0.0484	0.02534	2.36E-04	2.39E-03	3.09E-04	8.00E-05	3.02E-03	2.15E-04	2.42E-09	4.12E-06	2.18E-06	2.21E-04	2.73E-04	2.39E-03	3.09E-04	8.00E-05	3.05E-03
1609	494661.06	3858751.99	0.06299	0.07935	0.0483	0.0252	2.35E-04	2.37E-03	3.08E-04	7.96E-05	2.99E-03	2.14E-04	2.40E-09	4.11E-06	2.17E-06	2.20E-04	2.72E-04	2.37E-03	3.08E-04	7.96E-05	3.03E-03
1610	494711.06	3858751.99	0.0615	0.07744	0.047	0.02484	2.29E-04	2.31E-03	3.00E-04	7.84E-05	2.92E-03	2.09E-04	2.34E-09	4.00E-06	2.14E-06	2.15E-04	2.65E-04	2.31E-03	3.00E-04	7.84E-05	2.95E-03
1611	494761.06	3858751.99	0.06089	0.07672	0.046	0.02456	2.27E-04	2.29E-03	2.94E-04	7.75E-05	2.89E-03	2.07E-04	2.32E-09	3.92E-06	2.11E-06	2.13E-04	2.63E-04	2.29E-03	2.94E-04	7.75E-05	2.92E-03
1612	494811.06	3858751.99	0.05959	0.07504	0.0451	0.02424	2.22E-04	2.24E-03	2.87E-04	7.65E-05	2.83E-03	2.02E-04	2.27E-09	3.83E-06	2.09E-06	2.08E-04	2.57E-04	2.24E-03	2.87E-04	7.65E-05	2.86E-03
1613	494861.06	3858751.99	0.05845	0.07353	0.0442	0.02395	2.18E-04	2.19E-03	2.82E-04	7.56E-05	2.77E-03	1.98E-04	2.22E-09	3.76E-06	2.06E-06	2.04E-04	2.52E-04	2.19E-03	2.82E-04	7.56E-05	2.80E-03
1614	494911.06	3858751.99	0.05718	0.07194	0.0434	0.02365	2.13E-04	2.15E-03	2.77E-04	7.47E-05	2.71E-03	1.94E-04	2.17E-09	3.69E-06	2.04E-06	2.00E-04	2.47E-04	2.15E-03	2.77E-04	7.47E-05	2.74E-03
1615	494961.06	3858751.99	0.0563	0.07075	0.0427	0.02338	2.10E-04	2.11E-03	2.73E-04	7.38E-05	2.67E-03	1.91E-04	2.14E-09	3.63E-06	2.01E-06	1.97E-04	2.43E-04	2.11E-03	2.73E-04	7.38E-05	2.70E-03
1616	495011.06	3858751.99	0.05573	0.06987	0.0423	0.02318	2.08E-04	2.08E-03	2.70E-04	7.32E-05	2.64E-03	1.89E-04	2.11E-09	3.60E-06	2.00E-06	1.95E-04	2.40E-04	2.08E-03	2.70E-04	7.32E-05	2.67E-03
1617	495061.06	3858751.99	0.0548	0.06866	0.0415	0.02294	2.04E-04	2.05E-03	2.65E-04	7.24E-05	2.59E-03	1.86E-04	2.07E-09	3.53E-06	1.98E-06	1.92E-04	2.36E-04	2.05E-03	2.65E-04	7.24E-05	2.62E-03
1618	495111.06	3858751.99	0.0537	0.06728	0.0407	0.02266	2.00E-04	2.01E-03	2.59E-04	7.15E-05	2.54E-03	1.82E-04	2.03E-09	3.46E-06	1.95E-06	1.88E-04	2.32E-04	2.01E-03	2.59E-04	7.15E-05	2.57E-03
1619	495161.06	3858751.99	0.0531	0.06641	0.0401	0.02247	1.98E-04	1.98E-03	2.56E-04	7.09E-05	2.51E-03	1.80E-04	2.01E-09	3.41E-06	1.93E-06	1.86E-04	2.29E-04	1.98E-03	2.56E-04	7.09E-05	2.54E-03
1620	495211.06	3858751.99	0.05231	0.06537	0.0393	0.02226	1.95E-04	1.95E-03	2.51E-04	7.03E-05	2.47E-03	1.78E-04	1.97E-09	3.34E-06	1.92E-06	1.83E-04	2.26E-04	1.95E-03	2.51E-04	7.03E-05	2.50E-03
1621	495261.06	3858751.99	0.05214	0.06492	0.0391	0.02212	1.95E-04	1.94E-03	2.49E-04	6.98E-05	2.45E-03	1.77E-04	1.96E-09	3.33E-06	1.90E-06	1.82E-04	2.25E-04	1.94E-03	2.49E-04	6.98E-05	2.48E-03
1622	495311.06	3858751.99	0.05203	0.06454	0.0389	0.022	1.94E-04	1.93E-03	2.48E-04	6.95E-05	2.44E-03	1.77E-04	1.95E-09	3.31E-06	1.89E-06	1.82E-04	2.25E-04	1.93E-03	2.48E-04	6.95E-05	2.47E-03
1623	495361.06	3858751.99	0.05178	0.06403	0.0387	0.02187	1.93E-04	1.91E-03	2.47E-04	6.91E-05	2.42E-03	1.76E-04	1.93E-09	3.29E-06	1.88E-06	1.81E-04	2.23E-04	1.91E-03	2.47E-04	6.91E-05	2.45E-03
1624	495411.06	3858751.99	0.05186	0.06383	0.0386	0.02178	1.94E-04	1.90E-03	2.46E-04	6.88E-05	2.41E-03	1.76E-04	1.93E-09	3.28E-06	1.88E-06	1.81E-04	2.24E-04	1.90E-03	2.46E-04	6.88E-05	2.44E-03
1625	495461.06	3858751.99	0.05167	0.06338	0.0384	0.02165	1.93E-04	1.89E-03	2.45E-04	6.84E-05	2.40E-03	1.75E-04	1.91E-09	3.26E-06	1.86E-06	1.81E-04	2.23E-04	1.89E-03	2.45E-04	6.84E-05	2.43E-03
1626	495511.06	3858751.99	0.05133	0.0628	0.0381	0.0215	1.92E-04	1.87E-03	2.43E-04	6.79E-05	2.38E-03	1.74E-04	1.90E-09	3.24E-06	1.85E-06	1.79E-04	2.21E-04	1.87E-03	2.43E-04	6.79E-05	2.41E-03
1627	495561.06	3858751.99	0.05092	0.06216	0.0378	0.02134	1.90E-04	1.85E-03	2.41E-04	6.74E-05	2.35E-03	1.73E-04	1.88E-09	3.21E-06	1.84E-06	1.78E-04	2.20E-04	1.85E-03	2.41E-04	6.74E-05	2.38E-03
1628	495611.06	3858751.99	0.05051	0.06151	0.0374	0.02119	1.88E-04	1.84E-03	2.39E-04	6.69E-05	2.33E-03	1.71E-04	1.86E-09	3.18E-06	1.82E-06	1.76E-04	2.18E-04	1.84E-03	2.39E-04	6.69E-05	2.36E-03
1629	495661.06	3858751.99	0.05019	0.06097	0.0372	0.02105	1.87E-04	1.82E-03	2.37E-04	6.65E-05	2.31E-03	1.70E-04	1.84E-09	3.16E-06	1.81E-06	1.75E-04	2.17E-04	1.82E-03	2.37E-04	6.65E-05	2.34E-03
1630	494311.06	3858801.99	0.05966	0.08021	0.0466	0.02573	2.23E-04	2.39E-03	2.97E-04	8.12E-05	2.99E-03	2.03E-04	2.42E-09	3.96E-06	2.22E-06	2.09E-04	2.57E-04	2.39E-03	2.97E-04	8.12E-05	3.03E-03
1631	494361.06	3858801.99	0.0639	0.08436	0.0502	0.02635	2.38E-04	2.52E-03	3.20E-04	8.32E-05	3.16E-03	2.17E-04	2.55E-09	4.27E-06	2.27E-06	2.23E-04	2.76E-04	2.52E-03	3.20E-04	8.32E-05	3.20E-03
1632	494411.06	3858801.99	0.06493	0.08511	0.051	0.02644	2.42E-04	2.54E-03	3.25E-04	8.35E-05	3.19E-03	2.20E-04	2.57E-09	4.34E-06	2.28E-06	2.27E-04	2.80E-04	2.54E-03	3.25E-04	8.35E-05	3.23E-03
1633	494461.06	3858801.99	0.06544	0.08533	0.0509	0.02634	2.44E-04	2.55E-03	3.25E-04	8.32E-05	3.20E-03	2.22E-04	2.58E-09	4.33E-06	2.27E-06	2.29E-04	2.82E-04	2.55E-03	3.25E-04	8.32E-05	3.24E-03
1634	494511.06	3858801.99	0.06553	0.08537	0.0496	0.02606	2.45E-04	2.55E-03	3.17E-04	8.23E-05	3.19E-03	2.22E-04	2.58E-09	4.22E-06	2.24E-06	2.29E-04	2.83E-04	2.55E-03	3.17E-04	8.23E-05	3.23E-03
1635	494561.06	3858801.99	0.06531	0.08473	0.0493	0.02589	2.44E-04	2.53E-03	3.15E-04	8.17E-05	3.17E-03	2.22E-04	2.56E-09	4.20E-06	2.23E-06	2.28E-04	2.82E-04	2.53E-03	3.15E-04	8.17E-05	3.21E-03
1636	494611.06	3858801.99	0.06477	0.08372	0.0488	0.02567	2.42E-04	2.50E-03	3.11E-04	8.10E-05	3.13E-03	2.20E-04	2.53E-09	4.15E-06	2.21E-06	2.26E-04	2.79E-04	2.50E-03	3.11E-04	8.10E-05	3.17E-03
1637	494661.06	3858801.99	0.06378	0.08219	0.048	0.02536	2.38E-04	2.45E-03	3.06E-04	8.01E-05	3.08E-03	2.17E-04	2.48E-09	4.08E-06	2.18E-06	2.23E-04	2.75E-04	2.45E-03	3.06E-04	8.01E-05	3.11E-03
1638	494711.06	3858801.99	0.06257	0.08046	0.047	0.02502	2.33E-04	2.40E-03	3.00E-04	7.90E-05	3.01E-03	2.12E-04	2.43E-09	4.00E-06	2.15E-06	2.19E-04	2.70E-04	2.40E-03	3.00E-04	7.90E-05	3.05E-03
1639	494761.06	3858801.99	0.06113	0.07851	0.0459	0.02466	2.28E-04	2.34E-03	2.93E-04	7.79E-05	2.94E-03	2.08E-04	2.37E-09	3.90E-06	2.12E-06	2.14E-04	2.64E-04	2.34E-03	2.93E-04	7.79E-05	2.98E-03
1640	494811.06	3858801.99	0.05963	0.07654	0.0448	0.02431	2.23E-04	2.28E-03	2.86E-04	7.68E-05	2.87E-03	2.02E-04	2.31E-09	3.81E-06	2.09E-06	2.08E-04	2.57E-04	2.28E-03	2.86E-04	7.68E-05	2.90E-03
1641	494861.06	3858801.99	0.05888	0.07539	0.0442	0.02407	2.20E-04	2.25E-03	2.82E-04	7.60E-05	2.83E-03	2.00E-04	2.28E-09	3.76E-06	2.07E-06	2.06E-04	2.54E-04	2.25E-03	2.82E-04	7.60E-05	2.86E-03
1642	494911.06	3858801.99	0.05768	0.07381	0.0433	0.02376	2.15E-04	2.20E-03	2.76E-04	7.50E-05	2.77E-03	1.96E-04	2.23E-09	3.68E-06	2.05E-06	2.02E-04	2.49E-04	2.20E-03	2.76E-04	7.50E-05	2.80E-03
1643	494961.06	3858801.99	0.05683	0.07256	0.0426	0.02351	2.12E-04	2.16E-03	2.72E-04	7.42E-05	2.72E-03	1.93E-04	2.19E-09	3.63E-06	2.02E-06	1.99E-04	2.45E-04	2.16E-03	2.72E-04	7.42E-05	2.76E-03

1644	495011.06	3858801.99	0.05591	0.0713	0.042	0.02325	2.09E-04	2.13E-03	2.68E-04	7.34E-05	2.68E-03	1.90E-04	2.15E-09	3.57E-06	2.00E-06	1.95E-04	2.41E-04	2.13E-03	2.68E-04	7.34E-05	2.71E-03
1645	495061.06	3858801.99	0.05536	0.07042	0.0416	0.02304	2.07E-04	2.10E-03	2.65E-04	7.27E-05	2.65E-03	1.88E-04	2.13E-09	3.53E-06	1.98E-06	1.93E-04	2.39E-04	2.10E-03	2.65E-04	7.27E-05	2.68E-03
1646	495111.06	3858801.99	0.05414	0.06888	0.0407	0.02273	2.02E-04	2.05E-03	2.60E-04	7.18E-05	2.59E-03	1.84E-04	2.08E-09	3.46E-06	1.96E-06	1.89E-04	2.34E-04	2.05E-03	2.60E-04	7.18E-05	2.62E-03
1647	495161.06	3858801.99	0.05327	0.06772	0.04	0.02249	1.99E-04	2.02E-03	2.55E-04	7.10E-05	2.55E-03	1.81E-04	2.05E-09	3.40E-06	1.94E-06	1.86E-04	2.30E-04	2.02E-03	2.55E-04	7.10E-05	2.58E-03
1648	495211.06	3858801.99	0.05286	0.06701	0.0396	0.02231	1.97E-04	2.00E-03	2.53E-04	7.04E-05	2.52E-03	1.79E-04	2.02E-09	3.37E-06	1.92E-06	1.85E-04	2.28E-04	2.00E-03	2.53E-04	7.04E-05	2.55E-03
1649	495261.06	3858801.99	0.05272	0.06654	0.0394	0.02218	1.97E-04	1.99E-03	2.51E-04	7.00E-05	2.50E-03	1.79E-04	2.01E-09	3.35E-06	1.91E-06	1.84E-04	2.27E-04	1.99E-03	2.51E-04	7.00E-05	2.53E-03
1650	495311.06	3858801.99	0.05267	0.06622	0.0393	0.02206	1.97E-04	1.98E-03	2.50E-04	6.97E-05	2.49E-03	1.79E-04	2.00E-09	3.34E-06	1.90E-06	1.84E-04	2.27E-04	1.98E-03	2.50E-04	6.97E-05	2.52E-03
1651	495361.06	3858801.99	0.05246	0.06571	0.0391	0.02193	1.96E-04	1.96E-03	2.49E-04	6.92E-05	2.47E-03	1.78E-04	1.98E-09	3.32E-06	1.89E-06	1.83E-04	2.26E-04	1.96E-03	2.49E-04	6.92E-05	2.51E-03
1652	495411.06	3858801.99	0.05269	0.06567	0.0391	0.02186	1.97E-04	1.96E-03	2.49E-04	6.90E-05	2.47E-03	1.79E-04	1.98E-09	3.32E-06	1.88E-06	1.84E-04	2.27E-04	1.96E-03	2.49E-04	6.90E-05	2.50E-03
1653	495461.06	3858801.99	0.05243	0.06514	0.0388	0.02172	1.96E-04	1.94E-03	2.47E-04	6.86E-05	2.45E-03	1.78E-04	1.97E-09	3.30E-06	1.87E-06	1.83E-04	2.26E-04	1.94E-03	2.47E-04	6.86E-05	2.49E-03
1654	495511.06	3858801.99	0.05201	0.06443	0.0385	0.02155	1.94E-04	1.92E-03	2.45E-04	6.80E-05	2.43E-03	1.77E-04	1.95E-09	3.27E-06	1.86E-06	1.82E-04	2.24E-04	1.92E-03	2.45E-04	6.80E-05	2.46E-03
1655	495561.06	3858801.99	0.05168	0.06385	0.0382	0.0214	1.93E-04	1.90E-03	2.44E-04	6.76E-05	2.41E-03	1.75E-04	1.93E-09	3.25E-06	1.84E-06	1.81E-04	2.23E-04	1.90E-03	2.44E-04	6.76E-05	2.44E-03
1656	495611.06	3858801.99	0.05114	0.06306	0.0377	0.02123	1.91E-04	1.88E-03	2.40E-04	6.70E-05	2.38E-03	1.74E-04	1.90E-09	3.21E-06	1.83E-06	1.79E-04	2.21E-04	1.88E-03	2.40E-04	6.70E-05	2.41E-03
1657	495661.06	3858801.99	0.05092	0.06259	0.0374	0.0211	1.90E-04	1.87E-03	2.39E-04	6.66E-05	2.36E-03	1.73E-04	1.89E-09	3.18E-06	1.82E-06	1.78E-04	2.20E-04	1.87E-03	2.39E-04	6.66E-05	2.39E-03
1658	494311.06	3858851.99	0.06373	0.08638	0.0493	0.02661	2.38E-04	2.58E-03	3.15E-04	8.40E-05	3.21E-03	2.16E-04	2.61E-09	4.20E-06	2.29E-06	2.23E-04	2.75E-04	2.58E-03	3.15E-04	8.40E-05	3.25E-03
1659	494361.06	3858851.99	0.06603	0.08877	0.0515	0.02696	2.46E-04	2.65E-03	3.29E-04	8.51E-05	3.31E-03	2.24E-04	2.68E-09	4.38E-06	2.32E-06	2.31E-04	2.85E-04	2.65E-03	3.29E-04	8.51E-05	3.35E-03
1660	494411.06	3858851.99	0.06591	0.08822	0.0513	0.02679	2.46E-04	2.63E-03	3.27E-04	8.46E-05	3.29E-03	2.24E-04	2.66E-09	4.37E-06	2.31E-06	2.30E-04	2.84E-04	2.63E-03	3.27E-04	8.46E-05	3.33E-03
1661	494461.06	3858851.99	0.06611	0.08806	0.0509	0.02662	2.47E-04	2.63E-03	3.25E-04	8.40E-05	3.28E-03	2.24E-04	2.66E-09	4.33E-06	2.29E-06	2.31E-04	2.85E-04	2.63E-03	3.25E-04	8.40E-05	3.32E-03
1662	494511.06	3858851.99	0.0659	0.08775	0.0493	0.02624	2.46E-04	2.62E-03	3.14E-04	8.28E-05	3.26E-03	2.24E-04	2.65E-09	4.19E-06	2.26E-06	2.30E-04	2.84E-04	2.62E-03	3.14E-04	8.28E-05	3.30E-03
1663	494561.06	3858851.99	0.06557	0.08694	0.049	0.02605	2.45E-04	2.59E-03	3.12E-04	8.22E-05	3.23E-03	2.23E-04	2.63E-09	4.16E-06	2.24E-06	2.29E-04	2.83E-04	2.59E-03	3.12E-04	8.22E-05	3.27E-03
1664	494611.06	3858851.99	0.06487	0.08568	0.0484	0.02579	2.42E-04	2.56E-03	3.09E-04	8.14E-05	3.19E-03	2.20E-04	2.59E-09	4.12E-06	2.22E-06	2.27E-04	2.80E-04	2.56E-03	3.09E-04	8.14E-05	3.23E-03
1665	494661.06	3858851.99	0.06395	0.08417	0.0477	0.0255	2.39E-04	2.51E-03	3.04E-04	8.05E-05	3.13E-03	2.17E-04	2.54E-09	4.05E-06	2.20E-06	2.23E-04	2.76E-04	2.51E-03	3.04E-04	8.05E-05	3.17E-03
1666	494711.06	3858851.99	0.06255	0.08209	0.0466	0.02512	2.33E-04	2.45E-03	2.97E-04	7.93E-05	3.06E-03	2.12E-04	2.48E-09	3.96E-06	2.16E-06	2.18E-04	2.70E-04	2.45E-03	2.97E-04	7.93E-05	3.10E-03
1667	494761.06	3858851.99	0.06118	0.08014	0.0456	0.02474	2.28E-04	2.39E-03	2.91E-04	7.81E-05	2.99E-03	2.08E-04	2.42E-09	3.87E-06	2.13E-06	2.14E-04	2.64E-04	2.39E-03	2.91E-04	7.81E-05	3.02E-03
1668	494811.06	3858851.99	0.06007	0.07851	0.0447	0.02442	2.24E-04	2.34E-03	2.85E-04	7.71E-05	2.93E-03	2.04E-04	2.37E-09	3.80E-06	2.10E-06	2.10E-04	2.59E-04	2.34E-03	2.85E-04	7.71E-05	2.96E-03
1669	494861.06	3858851.99	0.05937	0.07738	0.0441	0.02418	2.22E-04	2.31E-03	2.81E-04	7.63E-05	2.89E-03	2.02E-04	2.34E-09	3.75E-06	2.08E-06	2.07E-04	2.56E-04	2.31E-03	2.81E-04	7.63E-05	2.92E-03
1670	494911.06	3858851.99	0.05833	0.07587	0.0433	0.0239	2.18E-04	2.26E-03	2.76E-04	7.55E-05	2.83E-03	1.98E-04	2.29E-09	3.68E-06	2.06E-06	2.04E-04	2.52E-04	2.26E-03	2.76E-04	7.55E-05	2.87E-03
1671	494961.06	3858851.99	0.05743	0.07454	0.0426	0.02363	2.14E-04	2.22E-03	2.72E-04	7.46E-05	2.78E-03	1.95E-04	2.25E-09	3.62E-06	2.03E-06	2.01E-04	2.48E-04	2.22E-03	2.72E-04	7.46E-05	2.82E-03
1672	495011.06	3858851.99	0.05673	0.07345	0.0421	0.02339	2.12E-04	2.19E-03	2.68E-04	7.39E-05	2.75E-03	1.93E-04	2.22E-09	3.58E-06	2.01E-06	1.98E-04	2.45E-04	2.19E-03	2.68E-04	7.39E-05	2.78E-03
1673	495061.06	3858851.99	0.05586	0.0722	0.0414	0.02314	2.08E-04	2.15E-03	2.64E-04	7.31E-05	2.70E-03	1.90E-04	2.18E-09	3.52E-06	1.99E-06	1.95E-04	2.41E-04	2.15E-03	2.64E-04	7.31E-05	2.73E-03
1674	495111.06	3858851.99	0.05419	0.07012	0.0404	0.02275	2.02E-04	2.09E-03	2.57E-04	7.18E-05	2.62E-03	1.84E-04	2.12E-09	3.43E-06	1.96E-06	1.89E-04	2.34E-04	2.09E-03	2.57E-04	7.18E-05	2.66E-03
1675	495161.06	3858851.99	0.05337	0.06895	0.0398	0.0225	1.99E-04	2.06E-03	2.54E-04	7.10E-05	2.58E-03	1.81E-04	2.08E-09	3.39E-06	1.94E-06	1.87E-04	2.30E-04	2.06E-03	2.54E-04	7.10E-05	2.61E-03
1676	495211.06	3858851.99	0.05351	0.06876	0.0398	0.02241	2.00E-04	2.05E-03	2.54E-04	7.08E-05	2.58E-03	1.82E-04	2.08E-09	3.38E-06	1.93E-06	1.87E-04	2.31E-04	2.05E-03	2.54E-04	7.08E-05	2.61E-03
1677	495261.06	3858851.99	0.05335	0.06829	0.0396	0.02227	1.99E-04	2.04E-03	2.53E-04	7.03E-05	2.56E-03	1.81E-04	2.06E-09	3.37E-06	1.92E-06	1.86E-04	2.30E-04	2.04E-03	2.53E-04	7.03E-05	2.59E-03
1678	495311.06	3858851.99	0.05338	0.068	0.0395	0.02217	1.99E-04	2.03E-03	2.52E-04	7.00E-05	2.55E-03	1.81E-04	2.05E-09	3.36E-06	1.91E-06	1.86E-04	2.30E-04	2.03E-03	2.52E-04	7.00E-05	2.58E-03
1679	495361.06	3858851.99	0.05327	0.06759	0.0393	0.02204	1.99E-04	2.02E-03	2.51E-04	6.96E-05	2.54E-03	1.81E-04	2.04E-09	3.35E-06	1.90E-06	1.86E-04	2.30E-04	2.02E-03	2.51E-04	6.96E-05	2.57E-03
1680	495411.06	3858851.99	0.05317	0.06718	0.0392	0.02192	1.98E-04	2.00E-03	2.50E-04	6.92E-05	2.52E-03	1.81E-04	2.03E-09	3.33E-06	1.89E-06	1.86E-04	2.29E-04	2.00E-03	2.50E-04	6.92E-05	2.55E-03
1681	495461.06	3858851.99	0.05311	0.06683	0.039	0.0218	1.98E-04	1.99E-03	2.49E-04	6.88E-05	2.51E-03	1.80E-04	2.02E-09	3.32E-06	1.88E-06	1.86E-04	2.29E-04	1.99E-03	2.49E-04	6.88E-05	2.54E-03
1682	495511.06	3858851.99	0.05296	0.06621	0.0391	0.02172	1.98E-04	1.98E-03	2.49E-04	6.86E-05	2.49E-03	1.80E-04	2.00E-09	3.32E-06	1.87E-06	1.85E-04	2.29E-04	1.98E-03	2.49E-04	6.86E-05	2.52E-03
1683	495561.06	3858851.99	0.0521	0.06526	0.0382	0.02144	1.94E-04	1.95E-03	2.44E-04	6.77E-05	2.45E-03	1.77E-04	1.97E-09	3.25E-06	1.85E-06	1.82E-04	2.25E-04	1.95E-03	2.44E-04	6.77E-05	2.48E-03
1684	495611.06	3858851.99	0.05151	0.0644	0.0378	0.02124	1.92E-04	1.92E-03	2.41E-04	6.71E-05	2.42E-03	1.75E-04	1.94E-09	3.21E-06	1.83E-06	1.80E-04	2.22E-04	1.92E-03	2.41E-04	6.71E-05	2.45E-03
1685	495661.06	3858851.99	0.05144	0.06406	0.0376	0.02113	1.92E-04	1.91E-03	2.40E-04	6.67E-05	2.41E-03	1.75E-04	1.93E-09	3.20E-06	1.82E-06	1.80E-04	2.22E-04	1.91E-03	2.40E-04	6.67E-05	2.44E-03
1686	494311.06	3858901.99	0.065	0.0898	0.0494	0.02699	2.43E-04	2.68E-03	3.15E-04	8.52E-05	3.32E-03	2.21E-04	2.71E-09	4.20E-06	2.32E-06	2.27E-04	2.80E-04	2.68E-03	3.15E-04	8.52E-05	3.36E-03
1687	494361.06	3858901.99	0.06662	0.0916	0.0507	0.02721	2.49E-04	2.73E-03	3.23E-04	8.59E-05	3.39E-03	2.26E-04	2.77E-09	4.31E-06	2.34E-06	2.33E-04	2.87E-04	2.73E-03	3.23E-04	8.59E-05	3.43E-03
1688	494411.06	3858901.99	0.06677	0.09141	0.0508	0.0271	2.49E-04	2.73E-03	3.24E-04	8.56E-05	3.39E-03	2.27E-04	2.76E-09	4.32E-06	2.33E-06	2.33E-04	2.88E-04	2.73E-03	3.24E-04	8.56E-05	3.42E-03
1689	494461.06	3858901.99	0.06678	0.0914	0.049	0.02668	2.49E-04	2.73E-03	3.13E-04	8.42E-05	3.37E-03	2.27E-04	2.76E-09	4.17E-06	2.30E-06	2.33E-04	2.88E-04	2.73E-03	3.13E-04	8.42E-05	3.41E-03
1690	494511.06	3858901.99	0.06674	0.09095	0.0489	0.02652	2.49E-04	2.71E-03	3.12E-04	8.37E-05	3.36E-03	2.27E-04	2.75E-09	4.16E-06	2.28E-06	2.33E-04	2.88E-04	2.71E-03	3.12E-04	8.37E-05	3.40E-03
1691	494561.06	3858901.99	0.06605	0.08955	0.0485	0.02625	2.46E-04	2.67E-03	3.09E-04	8.29E-05	3.31E-03	2.24E-04	2.70E-09	4.12E-06	2.26E-06	2.31E-04	2.85E-04	2.67E-03	3.09E-04	8.29E-05	3.35E-03
1692	494611.06	3858901.99	0.06473	0.08739	0.0476	0.02586	2.42E-04	2.61E-03	3.03E-04	8.16E-05	3.23E-03	2.20E-04	2.64E-09	4.05E-06	2.23E-06	2.26E-04	2.79E-04	2.61E-03	3.03E-04	8.16E-05	3.27E-03
1693	494661.06	3858901.99	0.06406	0.08612	0.0471	0.0256	2.39E-04	2.57E-03	3.00E-04	8.08E-05	3.19E-03	2.17E-04	2.60E-09	4.00E-06	2.20E-06	2.24E-04	2.76E-04	2.57E-03	3.00E-04	8.08E-05	3.23E-03
1694	494711.06	3858901.99	0.06283	0.08416	0.0462	0.02524	2.34E-04	2.51E-03	2.95E-04	7.97E-05	3.12E-03	2.13E-04	2.54E-09	3.93E-06	2.17E-06	2.19E-04	2.71E-04	2.51E-03	2.95E-04	7.97E-05	3.16E-03
1695	494761.06	3858901.99	0.06133	0.08192	0.0451	0.02484	2.29E-04	2.44E-03	2.88E-04	7.84E-05	3.04E-03	2.08E-04	2.47E-09	3.84E-06	2.14E-06	2.14E-04	2.65E-04	2.44E-03	2.88E-04	7.84E-05	3.07E-03
1696	494811.06	3858901.99	0.06049	0.08054	0.0445	0.02455	2.26E-04	2.40E-03	2.84E-04	7.75E-05	2.99E-03	2.05E-04	2.43E-09	3.78E-06	2.11E-06	2.11E-04	2.61E-04	2.40E-03	2.84E-04	7.75E-05	3.03E-03
1697	494861.06	3858901.99	0.05988	0.07945	0.044	0.02431	2.23E-04	2.37E-03	2.81E-04	7.68E-05	2.95E-03	2.03E-04	2.40E-09	3.74E-06	2.09E-06	2.09E-04	2.58E-04	2.37E-03	2.81E-04	7.68E-05	2.99E-03
1698	494911.06	3858901.99	0.05839	0.07736	0.0429	0.02393	2.18E-04	2.31E-03	2.74E-04	7.56E-05	2.87E-03	1.98E-04	2.34E-09	3.65E-06	2.06E-06	2.04E-04	2.52E-04	2.31E-03	2.74E-04	7.56E-05	2.91E-03
1699	494961.06	3858901.99	0.05763	0.07615	0.0423	0.02368	2.15E-04	2.27E-03	2.70E-04	7.48E-05	2.83E-03	1.96E-04	2.30E-09	3.60E-06	2.04E-06	2.01E-04	2.49E-04	2.27E-03	2.70E-04	7.48E-05	2.87E-03
1700	495011.06	3858901.99	0.05688	0.07494	0.0417	0.02344	2.12E-04	2.24E-03	2.66E-04	7.40E-05	2.79E-03	1.93E-04	2.26E-09	3.55E-06	2.02E-06	1.99E-04	2.45E-04	2.24E-03	2.66E-04	7.40E-05	2.82E-03
1701	495061.06	3858901.99	0.05575	0.07334	0.0409	0.02311	2.08E-04	2.19E-03	2.61E-04	7.30E-05	2.73E-03	1.89E-04	2.21E-09	3.48E-06	1.99E-06	1.95E-04	2.41E-04	2.19E-03	2.61E-04	7.30E-05	2.76E-03
1702	495111.06	3858901.99	0.05408	0.07119	0.0398	0.02273	2.02E-04	2.12E-03	2.54E-04	7.18E-05	2.65E-03	1.84E-04	2.15E-09	3.39E-06	1.96E-06	1.89E-04	2.33E-04	2.12E-03	2.54E-04	7.18E-05	2.68E-03
1703	495161.06	3858901.99	0.05366	0.0704	0.0395	0.02254	2.00E-04	2.10E-03	2.52E-04	7.12E-05	2.62E-03	1.82E-04	2.13E-09	3.36E-06	1.94E-06	1.87E-04	2.32E-04	2.10E-03	2.52E-04	7.12E-05	2.65E-03
1704	495211.06	3858901.99	0.05408	0.07051	0.0397	0.0225	2.02E-04	2.10E-03	2.53E-04	7.10E-05	2.63E-03	1.84E-04	2.13E-09	3.37E-06	1.94E-06	1.89E-04	2.33E-04	2.10E-03	2.53E-04	7.10E-05	2.66E-03

1705	495261.06	3858901.99	0.05406	0.07015	0.0395	0.02237	2.02E-04	2.09E-03	2.52E-04	7.06E-05	2.62E-03	1.84E-04	2.12E-09	3.36E-06	1.93E-06	1.89E-04	2.33E-04	2.09E-03	2.52E-04	7.06E-05	2.65E-03
1706	495311.06	3858901.99	0.05389	0.06964	0.0394	0.02224	2.01E-04	2.08E-03	2.51E-04	7.02E-05	2.60E-03	1.83E-04	2.10E-09	3.35E-06	1.92E-06	1.88E-04	2.33E-04	2.08E-03	2.51E-04	7.02E-05	2.63E-03
1707	495361.06	3858901.99	0.05376	0.06919	0.0392	0.0221	2.01E-04	2.06E-03	2.50E-04	6.98E-05	2.58E-03	1.83E-04	2.09E-09	3.33E-06	1.90E-06	1.88E-04	2.32E-04	2.06E-03	2.50E-04	6.98E-05	2.62E-03
1708	495411.06	3858901.99	0.05387	0.069	0.0392	0.02202	2.01E-04	2.06E-03	2.50E-04	6.95E-05	2.58E-03	1.83E-04	2.08E-09	3.33E-06	1.90E-06	1.88E-04	2.32E-04	2.06E-03	2.50E-04	6.95E-05	2.61E-03
1709	495461.06	3858901.99	0.05359	0.0684	0.0389	0.02186	2.00E-04	2.04E-03	2.48E-04	6.90E-05	2.56E-03	1.82E-04	2.07E-09	3.31E-06	1.88E-06	1.87E-04	2.31E-04	2.04E-03	2.48E-04	6.90E-05	2.59E-03
1710	495511.06	3858901.99	0.05309	0.06758	0.0386	0.02167	1.98E-04	2.02E-03	2.46E-04	6.84E-05	2.53E-03	1.80E-04	2.04E-09	3.28E-06	1.87E-06	1.85E-04	2.29E-04	2.02E-03	2.46E-04	6.84E-05	2.56E-03
1711	495561.06	3858901.99	0.0527	0.06688	0.0382	0.02151	1.97E-04	2.00E-03	2.44E-04	6.79E-05	2.50E-03	1.79E-04	2.02E-09	3.25E-06	1.85E-06	1.84E-04	2.27E-04	2.00E-03	2.44E-04	6.79E-05	2.53E-03
1712	495611.06	3858901.99	0.05212	0.066	0.0378	0.02131	1.94E-04	1.97E-03	2.41E-04	6.73E-05	2.47E-03	1.77E-04	1.99E-09	3.22E-06	1.84E-06	1.82E-04	2.25E-04	1.97E-03	2.41E-04	6.73E-05	2.50E-03
1713	495661.06	3858901.99	0.05212	0.06572	0.0378	0.02121	1.94E-04	1.96E-03	2.41E-04	6.70E-05	2.46E-03	1.77E-04	1.98E-09	3.21E-06	1.83E-06	1.82E-04	2.25E-04	1.96E-03	2.41E-04	6.70E-05	2.49E-03
1714	494311.06	3858951.99	0.06702	0.09466	0.0497	0.02761	2.50E-04	2.82E-03	3.17E-04	8.72E-05	3.48E-03	2.28E-04	2.86E-09	4.23E-06	2.38E-06	2.34E-04	2.89E-04	2.82E-03	3.17E-04	8.72E-05	3.52E-03
1715	494361.06	3858951.99	0.06759	0.09514	0.0501	0.02762	2.52E-04	2.84E-03	3.20E-04	8.72E-05	3.50E-03	2.29E-04	2.87E-09	4.26E-06	2.38E-06	2.36E-04	2.92E-04	2.84E-03	3.20E-04	8.72E-05	3.54E-03
1716	494411.06	3858951.99	0.06713	0.09406	0.0497	0.02734	2.50E-04	2.81E-03	3.17E-04	8.63E-05	3.46E-03	2.28E-04	2.84E-09	4.23E-06	2.35E-06	2.34E-04	2.90E-04	2.81E-03	3.17E-04	8.63E-05	3.50E-03
1717	494461.06	3858951.99	0.06717	0.09413	0.0481	0.02688	2.51E-04	2.81E-03	3.07E-04	8.49E-05	3.45E-03	2.28E-04	2.84E-09	4.09E-06	2.31E-06	2.34E-04	2.90E-04	2.81E-03	3.07E-04	8.49E-05	3.49E-03
1718	494511.06	3858951.99	0.06684	0.09325	0.0479	0.02667	2.49E-04	2.78E-03	3.05E-04	8.42E-05	3.42E-03	2.27E-04	2.82E-09	4.07E-06	2.30E-06	2.33E-04	2.88E-04	2.78E-03	3.05E-04	8.42E-05	3.46E-03
1719	494561.06	3858951.99	0.06619	0.09188	0.0475	0.02639	2.47E-04	2.74E-03	3.03E-04	8.33E-05	3.37E-03	2.25E-04	2.77E-09	4.04E-06	2.27E-06	2.31E-04	2.86E-04	2.74E-03	3.03E-04	8.33E-05	3.41E-03
1720	494611.06	3858951.99	0.06515	0.08995	0.0469	0.02603	2.43E-04	2.68E-03	2.99E-04	8.22E-05	3.31E-03	2.21E-04	2.72E-09	3.99E-06	2.24E-06	2.27E-04	2.81E-04	2.68E-03	2.99E-04	8.22E-05	3.35E-03
1721	494661.06	3858951.99	0.06418	0.08815	0.0463	0.0257	2.39E-04	2.63E-03	2.95E-04	8.11E-05	3.25E-03	2.18E-04	2.66E-09	3.94E-06	2.21E-06	2.24E-04	2.77E-04	2.63E-03	2.95E-04	8.11E-05	3.28E-03
1722	494711.06	3858951.99	0.06273	0.08579	0.0453	0.02528	2.34E-04	2.56E-03	2.89E-04	7.98E-05	3.16E-03	2.13E-04	2.59E-09	3.86E-06	2.18E-06	2.19E-04	2.71E-04	2.56E-03	2.89E-04	7.98E-05	3.20E-03
1723	494761.06	3858951.99	0.06169	0.08403	0.0446	0.02495	2.30E-04	2.51E-03	2.85E-04	7.88E-05	3.10E-03	2.09E-04	2.54E-09	3.80E-06	2.15E-06	2.15E-04	2.66E-04	2.51E-03	2.85E-04	7.88E-05	3.14E-03
1724	494811.06	3858951.99	0.06099	0.08275	0.0441	0.02469	2.28E-04	2.47E-03	2.81E-04	7.80E-05	3.06E-03	2.07E-04	2.50E-09	3.75E-06	2.13E-06	2.13E-04	2.63E-04	2.47E-03	2.81E-04	7.80E-05	3.09E-03
1725	494861.06	3858951.99	0.06029	0.08149	0.0436	0.02443	2.25E-04	2.43E-03	2.78E-04	7.71E-05	3.01E-03	2.05E-04	2.46E-09	3.71E-06	2.10E-06	2.11E-04	2.60E-04	2.43E-03	2.78E-04	7.71E-05	3.05E-03
1726	494911.06	3858951.99	0.0592	0.07976	0.0429	0.02409	2.21E-04	2.38E-03	2.73E-04	7.61E-05	2.95E-03	2.01E-04	2.41E-09	3.64E-06	2.07E-06	2.07E-04	2.55E-04	2.38E-03	2.73E-04	7.61E-05	2.98E-03
1727	494961.06	3858951.99	0.05869	0.07877	0.0425	0.02387	2.19E-04	2.35E-03	2.71E-04	7.54E-05	2.92E-03	1.99E-04	2.38E-09	3.61E-06	2.06E-06	2.05E-04	2.53E-04	2.35E-03	2.71E-04	7.54E-05	2.95E-03
1728	495011.06	3858951.99	0.05691	0.07632	0.0412	0.02344	2.12E-04	2.28E-03	2.63E-04	7.40E-05	2.83E-03	1.93E-04	2.30E-09	3.51E-06	2.02E-06	1.99E-04	2.46E-04	2.28E-03	2.63E-04	7.40E-05	2.86E-03
1729	495061.06	3858951.99	0.05523	0.07403	0.0401	0.02303	2.06E-04	2.21E-03	2.56E-04	7.27E-05	2.74E-03	1.88E-04	2.24E-09	3.41E-06	1.98E-06	1.93E-04	2.38E-04	2.21E-03	2.56E-04	7.27E-05	2.78E-03
1730	495111.06	3858951.99	0.05397	0.07229	0.0392	0.02269	2.01E-04	2.16E-03	2.50E-04	7.16E-05	2.68E-03	1.83E-04	2.18E-09	3.34E-06	1.95E-06	1.89E-04	2.33E-04	2.16E-03	2.50E-04	7.16E-05	2.71E-03
1731	495161.06	3858951.99	0.05466	0.07268	0.0396	0.02269	2.04E-04	2.17E-03	2.53E-04	7.16E-05	2.70E-03	1.86E-04	2.19E-09	3.37E-06	1.95E-06	1.91E-04	2.36E-04	2.17E-03	2.53E-04	7.16E-05	2.73E-03
1732	495211.06	3858951.99	0.05468	0.07235	0.0395	0.02258	2.04E-04	2.16E-03	2.52E-04	7.13E-05	2.69E-03	1.86E-04	2.18E-09	3.36E-06	1.94E-06	1.91E-04	2.36E-04	2.16E-03	2.52E-04	7.13E-05	2.72E-03
1733	495261.06	3858951.99	0.05468	0.072	0.0395	0.02246	2.04E-04	2.15E-03	2.52E-04	7.09E-05	2.67E-03	1.86E-04	2.17E-09	3.36E-06	1.93E-06	1.91E-04	2.36E-04	2.15E-03	2.52E-04	7.09E-05	2.71E-03
1734	495311.06	3858951.99	0.0541	0.07104	0.039	0.02224	2.02E-04	2.12E-03	2.49E-04	7.02E-05	2.64E-03	1.84E-04	2.15E-09	3.32E-06	1.92E-06	1.89E-04	2.33E-04	2.12E-03	2.49E-04	7.02E-05	2.67E-03
1735	495361.06	3858951.99	0.05417	0.07078	0.039	0.02214	2.02E-04	2.11E-03	2.49E-04	6.99E-05	2.63E-03	1.84E-04	2.14E-09	3.32E-06	1.91E-06	1.89E-04	2.34E-04	2.11E-03	2.49E-04	6.99E-05	2.66E-03
1736	495411.06	3858951.99	0.05434	0.07064	0.0391	0.02206	2.03E-04	2.11E-03	2.49E-04	6.97E-05	2.63E-03	1.84E-04	2.13E-09	3.32E-06	1.90E-06	1.90E-04	2.34E-04	2.11E-03	2.49E-04	6.97E-05	2.66E-03
1737	495461.06	3858951.99	0.05415	0.07011	0.0389	0.02191	2.02E-04	2.09E-03	2.48E-04	6.92E-05	2.61E-03	1.84E-04	2.12E-09	3.31E-06	1.89E-06	1.89E-04	2.34E-04	2.09E-03	2.48E-04	6.92E-05	2.64E-03
1738	495511.06	3858951.99	0.05416	0.06981	0.0388	0.02182	2.02E-04	2.08E-03	2.48E-04	6.89E-05	2.60E-03	1.84E-04	2.11E-09	3.30E-06	1.88E-06	1.89E-04	2.34E-04	2.08E-03	2.48E-04	6.89E-05	2.63E-03
1739	495561.06	3858951.99	0.05327	0.06854	0.0382	0.02155	1.99E-04	2.04E-03	2.44E-04	6.80E-05	2.56E-03	1.81E-04	2.07E-09	3.25E-06	1.86E-06	1.86E-04	2.30E-04	2.04E-03	2.44E-04	6.80E-05	2.59E-03
1740	495611.06	3858951.99	0.05278	0.06772	0.0378	0.02137	1.97E-04	2.02E-03	2.41E-04	6.75E-05	2.53E-03	1.79E-04	2.05E-09	3.22E-06	1.84E-06	1.84E-04	2.28E-04	2.02E-03	2.41E-04	6.75E-05	2.56E-03
1741	495661.06	3858951.99	0.05281	0.06746	0.0378	0.02127	1.97E-04	2.01E-03	2.41E-04	6.72E-05	2.52E-03	1.79E-04	2.04E-09	3.21E-06	1.83E-06	1.84E-04	2.28E-04	2.01E-03	2.41E-04	6.72E-05	2.55E-03
1742	494311.06	3859001.99	0.0681	0.09858	0.0489	0.02806	2.54E-04	2.94E-03	3.12E-04	8.86E-05	3.60E-03	2.31E-04	2.98E-09	4.16E-06	2.42E-06	2.38E-04	2.94E-04	2.94E-03	3.12E-04	8.86E-05	3.64E-03
1743	494361.06	3859001.99	0.06801	0.09808	0.0485	0.02781	2.54E-04	2.93E-03	3.09E-04	8.78E-05	3.58E-03	2.31E-04	2.96E-09	4.12E-06	2.39E-06	2.37E-04	2.93E-04	2.93E-03	3.09E-04	8.78E-05	3.62E-03
1744	494411.06	3859001.99	0.06774	0.09766	0.047	0.02726	2.53E-04	2.91E-03	3.00E-04	8.61E-05	3.55E-03	2.30E-04	2.95E-09	4.00E-06	2.35E-06	2.36E-04	2.92E-04	2.91E-03	3.00E-04	8.61E-05	3.59E-03
1745	494461.06	3859001.99	0.06744	0.09681	0.0469	0.02705	2.52E-04	2.89E-03	2.99E-04	8.54E-05	3.52E-03	2.29E-04	2.92E-09	3.99E-06	2.33E-06	2.35E-04	2.91E-04	2.89E-03	2.99E-04	8.54E-05	3.56E-03
1746	494511.06	3859001.99	0.06713	0.09594	0.0467	0.02683	2.50E-04	2.86E-03	2.98E-04	8.47E-05	3.50E-03	2.28E-04	2.90E-09	3.97E-06	2.31E-06	2.34E-04	2.90E-04	2.86E-03	2.98E-04	8.47E-05	3.53E-03
1747	494561.06	3859001.99	0.06618	0.09398	0.0463	0.02648	2.47E-04	2.80E-03	2.95E-04	8.36E-05	3.43E-03	2.25E-04	2.84E-09	3.93E-06	2.28E-06	2.31E-04	2.86E-04	2.80E-03	2.95E-04	8.36E-05	3.47E-03
1748	494611.06	3859001.99	0.06529	0.0922	0.0458	0.02615	2.44E-04	2.75E-03	2.92E-04	8.26E-05	3.37E-03	2.22E-04	2.78E-09	3.90E-06	2.25E-06	2.28E-04	2.82E-04	2.75E-03	2.92E-04	8.26E-05	3.41E-03
1749	494661.06	3859001.99	0.06416	0.09009	0.0452	0.02576	2.39E-04	2.69E-03	2.88E-04	8.13E-05	3.30E-03	2.18E-04	2.72E-09	3.84E-06	2.22E-06	2.24E-04	2.77E-04	2.69E-03	2.88E-04	8.13E-05	3.33E-03
1750	494711.06	3859001.99	0.06278	0.08763	0.0444	0.02534	2.34E-04	2.61E-03	2.83E-04	8.00E-05	3.21E-03	2.13E-04	2.65E-09	3.78E-06	2.18E-06	2.19E-04	2.71E-04	2.61E-03	2.83E-04	8.00E-05	3.25E-03
1751	494761.06	3859001.99	0.06198	0.08612	0.0439	0.02504	2.31E-04	2.57E-03	2.80E-04	7.91E-05	3.16E-03	2.10E-04	2.60E-09	3.74E-06	2.16E-06	2.16E-04	2.67E-04	2.57E-03	2.80E-04	7.91E-05	3.20E-03
1752	494811.06	3859001.99	0.06154	0.08512	0.0436	0.02482	2.30E-04	2.54E-03	2.78E-04	7.84E-05	3.13E-03	2.09E-04	2.57E-09	3.71E-06	2.14E-06	2.15E-04	2.66E-04	2.54E-03	2.78E-04	7.84E-05	3.16E-03
1753	494861.06	3859001.99	0.06064	0.08353	0.0431	0.02451	2.26E-04	2.49E-03	2.75E-04	7.74E-05	3.07E-03	2.06E-04	2.52E-09	3.66E-06	2.11E-06	2.12E-04	2.62E-04	2.49E-03	2.75E-04	7.74E-05	3.11E-03
1754	494911.06	3859001.99	0.05967	0.08187	0.0424	0.0242	2.23E-04	2.44E-03	2.71E-04	7.64E-05	3.01E-03	2.03E-04	2.47E-09	3.61E-06	2.08E-06	2.08E-04	2.57E-04	2.44E-03	2.71E-04	7.64E-05	3.05E-03
1755	494961.06	3859001.99	0.05866	0.08019	0.0418	0.02389	2.19E-04	2.39E-03	2.66E-04	7.54E-05	2.95E-03	1.99E-04	2.42E-09	3.55E-06	2.06E-06	2.05E-04	2.53E-04	2.39E-03	2.66E-04	7.54E-05	2.99E-03
1756	495011.06	3859001.99	0.05577	0.07633	0.0399	0.02323	2.08E-04	2.28E-03	2.54E-04	7.33E-05	2.81E-03	1.89E-04	2.31E-09	3.39E-06	2.00E-06	1.95E-04	2.41E-04	2.28E-03	2.54E-04	7.33E-05	2.85E-03
1757	495061.06	3859001.99	0.05529	0.07538	0.0395	0.02302	2.06E-04	2.25E-03	2.52E-04	7.27E-05	2.78E-03	1.88E-04	2.28E-09	3.36E-06	1.98E-06	1.93E-04	2.39E-04	2.25E-03	2.52E-04	7.27E-05	2.81E-03
1758	495111.06	3859001.99	0.05413	0.07367	0.0387	0.0227	2.02E-04	2.20E-03	2.47E-04	7.17E-05	2.72E-03	1.84E-04	2.22E-09	3.29E-06	1.95E-06	1.89E-04	2.34E-04	2.20E-03	2.47E-04	7.17E-05	2.75E-03
1759	495161.06	3859001.99	0.0552	0.07453	0.0394	0.02275	2.06E-04	2.22E-03	2.51E-04	7.18E-05	2.75E-03	1.87E-04	2.25E-09	3.35E-06	1.96E-06	1.93E-04	2.38E-04	2.22E-03	2.51E-04	7.18E-05	2.78E-03
1760	495211.06	3859001.99	0.05502	0.07397	0.0392	0.0226	2.05E-04	2.21E-03	2.50E-04	7.14E-05	2.73E-03	1.87E-04	2.23E-09	3.33E-06	1.95E-06	1.92E-04	2.37E-04	2.21E-03	2.50E-04	7.14E-05	2.77E-03
1761	495261.06	3859001.99	0.0551	0.0737	0.0392	0.0225	2.06E-04	2.20E-03	2.50E-04	7.10E-05	2.73E-03	1.87E-04	2.23E-09	3.33E-06	1.94E-06	1.92E-04	2.38E-04	2.20E-03	2.50E-04	7.10E-05	2.76E-03
1762	495311.06	3859001.99	0.05486	0.07307	0.039	0.02233	2.05E-04	2.18E-03	2.49E-04	7.05E-05	2.70E-03	1.86E-04	2.21E-09	3.32E-06	1.92E-06	1.91E-04	2.37E-04	2.18E-03	2.49E-04	7.05E-05	2.74E-03
1763	495361.06	3859001.99	0.05489	0.07277	0.039	0.02223	2.05E-04	2.17E-03	2.49E-04	7.02E-05	2.69E-03	1.86E-04	2.20E-09	3.32E-06	1.91E-06	1.92E-04	2.37E-04	2.17E-03	2.49E-04	7.02E-05	2.73E-03
1764	495411.06	3859001.99	0.05479	0.07232	0.0389	0.0221	2.04E-04	2.16E-03	2.48E-04	6.98E-05	2.68E-03	1.86E-04	2.18E-09	3.31E-06	1.90E-06	1.91E-04	2.36E-04	2.16E-03	2.48E-04	6.98E-05	2.71E-03
1765	495461.06	3859001.99	0.05474	0.07194	0.0388	0.02197	2.04E-04	2.15E-03	2.47E-04	6.94E-05	2.67E-03	1.86E-04	2.17E-09	3.30E-06	1.89E-06	1.91E-04	2.36E-04	2.15E-03	2.47E-04	6.94E-05	2.70E-03

1766	495511.06	3859001.99	0.05409	0.07088	0.0383	0.02175	2.02E-04	2.11E-03	2.45E-04	6.87E-05	2.63E-03	1.84E-04	2.14E-09	3.26E-06	1.87E-06	1.89E-04	2.33E-04	2.11E-03	2.45E-04	6.87E-05	2.66E-03
1767	495561.06	3859001.99	0.05375	0.07017	0.0381	0.02159	2.01E-04	2.09E-03	2.43E-04	6.82E-05	2.60E-03	1.82E-04	2.12E-09	3.24E-06	1.86E-06	1.88E-04	2.32E-04	2.09E-03	2.43E-04	6.82E-05	2.64E-03
1768	495611.06	3859001.99	0.05336	0.06941	0.0378	0.02142	1.99E-04	2.07E-03	2.41E-04	6.76E-05	2.58E-03	1.81E-04	2.10E-09	3.21E-06	1.84E-06	1.86E-04	2.30E-04	2.07E-03	2.41E-04	6.76E-05	2.61E-03
1769	495661.06	3859001.99	0.05374	0.06954	0.038	0.02137	2.01E-04	2.07E-03	2.42E-04	6.75E-05	2.58E-03	1.82E-04	2.10E-09	3.23E-06	1.84E-06	1.88E-04	2.32E-04	2.07E-03	2.42E-04	6.75E-05	2.62E-03
1770	494311.06	3859051.99	0.06865	0.10199	0.0472	0.02826	2.56E-04	3.04E-03	3.01E-04	8.92E-05	3.69E-03	2.33E-04	3.08E-09	4.02E-06	2.43E-06	2.40E-04	2.96E-04	3.04E-03	3.01E-04	8.92E-05	3.73E-03
1771	494361.06	3859051.99	0.06851	0.10182	0.0459	0.02766	2.56E-04	3.04E-03	2.92E-04	8.73E-05	3.67E-03	2.33E-04	3.07E-09	3.90E-06	2.38E-06	2.39E-04	2.96E-04	3.04E-03	2.92E-04	8.73E-05	3.71E-03
1772	494411.06	3859051.99	0.06805	0.10062	0.0457	0.02741	2.54E-04	3.00E-03	2.91E-04	8.65E-05	3.63E-03	2.31E-04	3.04E-09	3.88E-06	2.36E-06	2.37E-04	2.94E-04	3.00E-03	2.91E-04	8.65E-05	3.67E-03
1773	494461.06	3859051.99	0.06749	0.09924	0.0455	0.02714	2.52E-04	2.96E-03	2.90E-04	8.57E-05	3.59E-03	2.29E-04	3.00E-09	3.87E-06	2.34E-06	2.35E-04	2.91E-04	2.96E-03	2.90E-04	8.57E-05	3.63E-03
1774	494511.06	3859051.99	0.06674	0.09752	0.0452	0.02682	2.49E-04	2.91E-03	2.88E-04	8.47E-05	3.53E-03	2.27E-04	2.94E-09	3.84E-06	2.31E-06	2.33E-04	2.88E-04	2.91E-03	2.88E-04	8.47E-05	3.57E-03
1775	494561.06	3859051.99	0.06611	0.09606	0.0449	0.02654	2.47E-04	2.87E-03	2.86E-04	8.38E-05	3.48E-03	2.24E-04	2.90E-09	3.82E-06	2.29E-06	2.31E-04	2.85E-04	2.87E-03	2.86E-04	8.38E-05	3.52E-03
1776	494611.06	3859051.99	0.06522	0.09415	0.0445	0.02619	2.43E-04	2.81E-03	2.84E-04	8.27E-05	3.42E-03	2.21E-04	2.84E-09	3.79E-06	2.26E-06	2.27E-04	2.81E-04	2.81E-03	2.84E-04	8.27E-05	3.46E-03
1777	494661.06	3859051.99	0.06423	0.09215	0.0441	0.02583	2.40E-04	2.75E-03	2.81E-04	8.16E-05	3.35E-03	2.18E-04	2.78E-09	3.75E-06	2.22E-06	2.24E-04	2.77E-04	2.75E-03	2.81E-04	8.16E-05	3.39E-03
1778	494711.06	3859051.99	0.0633	0.09029	0.0436	0.02549	2.36E-04	2.69E-03	2.78E-04	8.05E-05	3.29E-03	2.15E-04	2.73E-09	3.71E-06	2.19E-06	2.21E-04	2.73E-04	2.69E-03	2.78E-04	8.05E-05	3.33E-03
1779	494761.06	3859051.99	0.06232	0.0884	0.0431	0.02514	2.33E-04	2.64E-03	2.75E-04	7.94E-05	3.22E-03	2.12E-04	2.67E-09	3.66E-06	2.16E-06	2.17E-04	2.69E-04	2.64E-03	2.75E-04	7.94E-05	3.26E-03
1780	494811.06	3859051.99	0.06164	0.08702	0.0427	0.02486	2.30E-04	2.60E-03	2.72E-04	7.85E-05	3.18E-03	2.09E-04	2.63E-09	3.63E-06	2.14E-06	2.15E-04	2.66E-04	2.60E-03	2.72E-04	7.85E-05	3.21E-03
1781	494861.06	3859051.99	0.06094	0.08557	0.0423	0.02458	2.27E-04	2.55E-03	2.70E-04	7.76E-05	3.13E-03	2.07E-04	2.58E-09	3.60E-06	2.12E-06	2.13E-04	2.63E-04	2.55E-03	2.70E-04	7.76E-05	3.16E-03
1782	494911.06	3859051.99	0.05978	0.08356	0.0416	0.02422	2.23E-04	2.49E-03	2.65E-04	7.65E-05	3.06E-03	2.03E-04	2.52E-09	3.54E-06	2.09E-06	2.09E-04	2.58E-04	2.49E-03	2.65E-04	7.65E-05	3.09E-03
1783	494961.06	3859051.99	0.05797	0.08077	0.0405	0.02375	2.16E-04	2.41E-03	2.58E-04	7.50E-05	2.96E-03	1.97E-04	2.44E-09	3.45E-06	2.05E-06	2.02E-04	2.50E-04	2.41E-03	2.58E-04	7.50E-05	2.99E-03
1784	495011.06	3859051.99	0.05664	0.07867	0.0397	0.02336	2.11E-04	2.35E-03	2.53E-04	7.38E-05	2.89E-03	1.92E-04	2.38E-09	3.37E-06	2.01E-06	1.98E-04	2.44E-04	2.35E-03	2.53E-04	7.38E-05	2.92E-03
1785	495061.06	3859051.99	0.05577	0.07722	0.0391	0.02307	2.08E-04	2.30E-03	2.50E-04	7.28E-05	2.83E-03	1.89E-04	2.33E-09	3.33E-06	1.99E-06	1.95E-04	2.41E-04	2.30E-03	2.50E-04	7.28E-05	2.87E-03
1786	495111.06	3859051.99	0.05536	0.07634	0.0388	0.02288	2.07E-04	2.28E-03	2.48E-04	7.22E-05	2.80E-03	1.88E-04	2.31E-09	3.30E-06	1.97E-06	1.93E-04	2.39E-04	2.28E-03	2.48E-04	7.22E-05	2.84E-03
1787	495161.06	3859051.99	0.0559	0.07663	0.0391	0.02285	2.09E-04	2.29E-03	2.50E-04	7.21E-05	2.82E-03	1.90E-04	2.31E-09	3.33E-06	1.97E-06	1.95E-04	2.41E-04	2.29E-03	2.50E-04	7.21E-05	2.85E-03
1788	495211.06	3859051.99	0.05538	0.07563	0.0388	0.02263	2.07E-04	2.26E-03	2.47E-04	7.15E-05	2.78E-03	1.88E-04	2.28E-09	3.30E-06	1.95E-06	1.93E-04	2.39E-04	2.26E-03	2.47E-04	7.15E-05	2.81E-03
1789	495261.06	3859051.99	0.05565	0.0756	0.0389	0.02256	2.08E-04	2.26E-03	2.48E-04	7.12E-05	2.78E-03	1.89E-04	2.28E-09	3.31E-06	1.94E-06	1.94E-04	2.40E-04	2.26E-03	2.48E-04	7.12E-05	2.82E-03
1790	495311.06	3859051.99	0.05534	0.07487	0.0387	0.02238	2.06E-04	2.23E-03	2.47E-04	7.07E-05	2.76E-03	1.88E-04	2.26E-09	3.29E-06	1.93E-06	1.93E-04	2.39E-04	2.23E-03	2.47E-04	7.07E-05	2.79E-03
1791	495361.06	3859051.99	0.05527	0.07443	0.0387	0.02225	2.06E-04	2.22E-03	2.47E-04	7.03E-05	2.74E-03	1.88E-04	2.25E-09	3.29E-06	1.92E-06	1.93E-04	2.38E-04	2.22E-03	2.47E-04	7.03E-05	2.78E-03
1792	495411.06	3859051.99	0.05535	0.0742	0.0387	0.02215	2.07E-04	2.21E-03	2.47E-04	6.99E-05	2.74E-03	1.88E-04	2.24E-09	3.29E-06	1.91E-06	1.93E-04	2.39E-04	2.21E-03	2.47E-04	6.99E-05	2.77E-03
1793	495461.06	3859051.99	0.05541	0.07394	0.0387	0.02205	2.07E-04	2.21E-03	2.47E-04	6.96E-05	2.73E-03	1.88E-04	2.23E-09	3.29E-06	1.90E-06	1.93E-04	2.39E-04	2.21E-03	2.47E-04	6.96E-05	2.76E-03
1794	495511.06	3859051.99	0.05475	0.0728	0.0382	0.02182	2.04E-04	2.17E-03	2.44E-04	6.89E-05	2.69E-03	1.86E-04	2.20E-09	3.25E-06	1.88E-06	1.91E-04	2.36E-04	2.17E-03	2.44E-04	6.89E-05	2.72E-03
1795	495561.06	3859051.99	0.05426	0.0719	0.0379	0.02163	2.02E-04	2.15E-03	2.42E-04	6.83E-05	2.66E-03	1.84E-04	2.17E-09	3.22E-06	1.86E-06	1.89E-04	2.34E-04	2.15E-03	2.42E-04	6.83E-05	2.69E-03
1796	495611.06	3859051.99	0.05385	0.07109	0.0376	0.02144	2.01E-04	2.12E-03	2.40E-04	6.77E-05	2.63E-03	1.83E-04	2.15E-09	3.20E-06	1.85E-06	1.88E-04	2.32E-04	2.12E-03	2.40E-04	6.77E-05	2.66E-03
1797	495661.06	3859051.99	0.05416	0.07114	0.0378	0.02139	2.02E-04	2.12E-03	2.41E-04	6.75E-05	2.63E-03	1.84E-04	2.15E-09	3.21E-06	1.84E-06	1.89E-04	2.34E-04	2.12E-03	2.41E-04	6.75E-05	2.66E-03
1798	494311.06	3859101.99	0.06897	0.10575	0.0445	0.02797	2.57E-04	3.15E-03	2.84E-04	8.83E-05	3.78E-03	2.34E-04	3.19E-09	3.79E-06	2.41E-06	2.40E-04	2.98E-04	3.15E-03	2.84E-04	8.83E-05	3.82E-03
1799	494361.06	3859101.99	0.06858	0.10461	0.0444	0.02773	2.56E-04	3.12E-03	2.83E-04	8.76E-05	3.75E-03	2.33E-04	3.16E-09	3.77E-06	2.39E-06	2.39E-04	2.96E-04	3.12E-03	2.83E-04	8.76E-05	3.79E-03
1800	494411.06	3859101.99	0.06827	0.10367	0.0442	0.02751	2.55E-04	3.09E-03	2.82E-04	8.69E-05	3.72E-03	2.32E-04	3.13E-09	3.76E-06	2.37E-06	2.38E-04	2.95E-04	3.09E-03	2.82E-04	8.69E-05	3.76E-03
1801	494461.06	3859101.99	0.06769	0.10215	0.0441	0.02723	2.53E-04	3.05E-03	2.81E-04	8.60E-05	3.67E-03	2.30E-04	3.08E-09	3.75E-06	2.34E-06	2.36E-04	2.92E-04	3.05E-03	2.81E-04	8.60E-05	3.71E-03
1802	494511.06	3859101.99	0.06683	0.10005	0.0438	0.02689	2.49E-04	2.98E-03	2.79E-04	8.49E-05	3.60E-03	2.27E-04	3.02E-09	3.73E-06	2.32E-06	2.33E-04	2.88E-04	2.98E-03	2.79E-04	8.49E-05	3.64E-03
1803	494561.06	3859101.99	0.06615	0.09838	0.0436	0.02659	2.47E-04	2.94E-03	2.78E-04	8.40E-05	3.54E-03	2.25E-04	2.97E-09	3.70E-06	2.29E-06	2.31E-04	2.85E-04	2.94E-03	2.78E-04	8.40E-05	3.58E-03
1804	494611.06	3859101.99	0.06505	0.09596	0.0432	0.02619	2.43E-04	2.86E-03	2.75E-04	8.27E-05	3.46E-03	2.21E-04	2.90E-09	3.67E-06	2.26E-06	2.27E-04	2.81E-04	2.86E-03	2.75E-04	8.27E-05	3.50E-03
1805	494661.06	3859101.99	0.06437	0.09439	0.0429	0.02589	2.40E-04	2.82E-03	2.74E-04	8.17E-05	3.41E-03	2.19E-04	2.85E-09	3.65E-06	2.23E-06	2.24E-04	2.78E-04	2.82E-03	2.74E-04	8.17E-05	3.45E-03
1806	494711.06	3859101.99	0.06307	0.09178	0.0423	0.02546	2.35E-04	2.74E-03	2.70E-04	8.04E-05	3.32E-03	2.14E-04	2.77E-09	3.60E-06	2.19E-06	2.20E-04	2.72E-04	2.74E-03	2.70E-04	8.04E-05	3.36E-03
1807	494761.06	3859101.99	0.06277	0.09094	0.0422	0.02526	2.34E-04	2.71E-03	2.69E-04	7.98E-05	3.30E-03	2.13E-04	2.75E-09	3.59E-06	2.18E-06	2.19E-04	2.71E-04	2.71E-03	2.69E-04	7.98E-05	3.33E-03
1808	494811.06	3859101.99	0.06192	0.08921	0.0418	0.02494	2.31E-04	2.66E-03	2.66E-04	7.87E-05	3.24E-03	2.10E-04	2.69E-09	3.55E-06	2.15E-06	2.16E-04	2.67E-04	2.66E-03	2.66E-04	7.87E-05	3.27E-03
1809	494861.06	3859101.99	0.06117	0.08766	0.0414	0.02464	2.28E-04	2.62E-03	2.64E-04	7.78E-05	3.19E-03	2.08E-04	2.65E-09	3.52E-06	2.12E-06	2.13E-04	2.64E-04	2.62E-03	2.64E-04	7.78E-05	3.22E-03
1810	494911.06	3859101.99	0.06001	0.08547	0.0408	0.02426	2.24E-04	2.55E-03	2.60E-04	7.66E-05	3.11E-03	2.04E-04	2.58E-09	3.47E-06	2.09E-06	2.09E-04	2.59E-04	2.55E-03	2.60E-04	7.66E-05	3.15E-03
1811	494961.06	3859101.99	0.05815	0.08243	0.0398	0.02375	2.17E-04	2.46E-03	2.54E-04	7.50E-05	3.00E-03	1.97E-04	2.49E-09	3.38E-06	2.05E-06	2.03E-04	2.51E-04	2.46E-03	2.54E-04	7.50E-05	3.04E-03
1812	495011.06	3859101.99	0.05615	0.07936	0.0386	0.02325	2.10E-04	2.37E-03	2.46E-04	7.34E-05	2.90E-03	1.91E-04	2.40E-09	3.28E-06	2.00E-06	1.96E-04	2.42E-04	2.37E-03	2.46E-04	7.34E-05	2.93E-03
1813	495061.06	3859101.99	0.05626	0.07915	0.0386	0.02314	2.10E-04	2.36E-03	2.46E-04	7.31E-05	2.89E-03	1.91E-04	2.39E-09	3.29E-06	1.99E-06	1.96E-04	2.43E-04	2.36E-03	2.46E-04	7.31E-05	2.92E-03
1814	495111.06	3859101.99	0.05578	0.07813	0.0383	0.02292	2.08E-04	2.33E-03	2.45E-04	7.24E-05	2.86E-03	1.89E-04	2.36E-09	3.26E-06	1.97E-06	1.95E-04	2.41E-04	2.33E-03	2.45E-04	7.24E-05	2.89E-03
1815	495161.06	3859101.99	0.05627	0.07842	0.0386	0.02288	2.10E-04	2.34E-03	2.46E-04	7.22E-05	2.87E-03	1.91E-04	2.37E-09	3.28E-06	1.97E-06	1.96E-04	2.43E-04	2.34E-03	2.46E-04	7.22E-05	2.90E-03
1816	495211.06	3859101.99	0.05584	0.07748	0.0384	0.02268	2.08E-04	2.31E-03	2.45E-04	7.16E-05	2.84E-03	1.90E-04	2.34E-09	3.26E-06	1.95E-06	1.95E-04	2.41E-04	2.31E-03	2.45E-04	7.16E-05	2.87E-03
1817	495261.06	3859101.99	0.05595	0.07728	0.0384	0.02258	2.09E-04	2.31E-03	2.45E-04	7.13E-05	2.83E-03	1.90E-04	2.33E-09	3.27E-06	1.94E-06	1.95E-04	2.41E-04	2.31E-03	2.45E-04	7.13E-05	2.86E-03
1818	495311.06	3859101.99	0.05596	0.07667	0.0386	0.02251	2.09E-04	2.29E-03	2.46E-04	7.11E-05	2.81E-03	1.90E-04	2.32E-09	3.28E-06	1.94E-06	1.95E-04	2.41E-04	2.29E-03	2.46E-04	7.11E-05	2.85E-03
1819	495361.06	3859101.99	0.05599	0.07663	0.0384	0.02234	2.09E-04	2.29E-03	2.45E-04	7.05E-05	2.81E-03	1.90E-04	2.31E-09	3.27E-06	1.92E-06	1.95E-04	2.42E-04	2.29E-03	2.45E-04	7.05E-05	2.84E-03
1820	495411.06	3859101.99	0.05594	0.07623	0.0384	0.02222	2.09E-04	2.27E-03	2.45E-04	7.02E-05	2.80E-03	1.90E-04	2.30E-09	3.26E-06	1.91E-06	1.95E-04	2.41E-04	2.27E-03	2.45E-04	7.02E-05	2.83E-03
1821	495461.06	3859101.99	0.05577	0.07541	0.0385	0.02213	2.08E-04	2.25E-03	2.46E-04	6.99E-05	2.77E-03	1.89E-04	2.28E-09	3.28E-06	1.91E-06	1.95E-04	2.41E-04	2.25E-03	2.46E-04	6.99E-05	2.81E-03
1822	495511.06	3859101.99	0.05559	0.07485	0.0384	0.02198	2.07E-04	2.23E-03	2.45E-04	6.94E-05	2.75E-03	1.89E-04	2.26E-09	3.27E-06	1.89E-06	1.94E-04	2.40E-04	2.23E-03	2.45E-04	6.94E-05	2.79E-03
1823	495561.06	3859101.99	0.05496	0.07394	0.0377	0.0217	2.05E-04	2.21E-03	2.41E-04	6.85E-05	2.72E-03	1.87E-04	2.23E-09	3.21E-06	1.87E-06	1.92E-04	2.37E-04	2.21E-03	2.41E-04	6.85E-05	2.75E-03
1824	495611.06	3859101.99	0.05446	0.07298	0.0374	0.02149	2.03E-04	2.18E-03	2.39E-04	6.79E-05	2.69E-03	1.85E-04	2.20E-09	3.18E-06	1.85E-06	1.90E-04	2.35E-04	2.18E-03	2.39E-04	6.79E-05	2.72E-03
1825	495661.06	3859101.99	0.0545	0.07273	0.0374	0.0214	2.03E-04	2.17E-03	2.39E-04	6.76E-05	2.68E-03	1.85E-04	2.20E-09	3.18E-06	1.84E-06	1.90E-04	2.35E-04	2.17E-03	2.39E-04	6.76E-05	2.71E-03
1826	494311.06	3859151.99	0.06903	0.10885	0.0431	0.02798	2.58E-04	3.25E-03	2.75E-04	8.83E-05	3.87E-03	2.34E-04	3.29E-09	3.66E-06	2.41E-06	2.40E-04	2.98E-04	3.25E-03	2.75E-04	8.83E-05	3.91E-03

1827	494361.06	3859151.99	0.06877	0.10801	0.0429	0.02778	2.57E-04	3.22E-03	2.74E-04	8.77E-05	3.84E-03	2.33E-04	3.26E-09	3.65E-06	2.39E-06	2.40E-04	2.97E-04	3.22E-03	2.74E-04	8.77E-05	3.88E-03
1828	494411.06	3859151.99	0.06814	0.10618	0.0428	0.02748	2.54E-04	3.17E-03	2.73E-04	8.68E-05	3.78E-03	2.31E-04	3.21E-09	3.64E-06	2.37E-06	2.37E-04	2.94E-04	3.17E-03	2.73E-04	8.68E-05	3.82E-03
1829	494461.06	3859151.99	0.06748	0.10434	0.0426	0.02719	2.52E-04	3.11E-03	2.72E-04	8.58E-05	3.72E-03	2.29E-04	3.15E-09	3.62E-06	2.34E-06	2.35E-04	2.91E-04	3.11E-03	2.72E-04	8.58E-05	3.76E-03
1830	494511.06	3859151.99	0.0666	0.10203	0.0424	0.02684	2.49E-04	3.04E-03	2.70E-04	8.47E-05	3.65E-03	2.26E-04	3.08E-09	3.61E-06	2.31E-06	2.32E-04	2.87E-04	3.04E-03	2.70E-04	8.47E-05	3.69E-03
1831	494561.06	3859151.99	0.06607	0.1006	0.0422	0.02657	2.47E-04	3.00E-03	2.69E-04	8.39E-05	3.60E-03	2.24E-04	3.04E-09	3.59E-06	2.29E-06	2.30E-04	2.85E-04	3.00E-03	2.69E-04	8.39E-05	3.64E-03
1832	494611.06	3859151.99	0.06515	0.09835	0.042	0.02622	2.43E-04	2.93E-03	2.68E-04	8.28E-05	3.53E-03	2.21E-04	2.97E-09	3.57E-06	2.26E-06	2.27E-04	2.81E-04	2.93E-03	2.68E-04	8.28E-05	3.57E-03
1833	494661.06	3859151.99	0.06456	0.09686	0.0417	0.02594	2.41E-04	2.89E-03	2.66E-04	8.19E-05	3.48E-03	2.19E-04	2.93E-09	3.55E-06	2.23E-06	2.25E-04	2.79E-04	2.89E-03	2.66E-04	8.19E-05	3.52E-03
1834	494711.06	3859151.99	0.06405	0.09557	0.0415	0.02569	2.39E-04	2.85E-03	2.65E-04	8.11E-05	3.44E-03	2.17E-04	2.89E-09	3.53E-06	2.21E-06	2.23E-04	2.76E-04	2.85E-03	2.65E-04	8.11E-05	3.47E-03
1835	494761.06	3859151.99	0.06292	0.0931	0.0411	0.02529	2.35E-04	2.78E-03	2.62E-04	7.98E-05	3.35E-03	2.14E-04	2.81E-09	3.50E-06	2.18E-06	2.19E-04	2.72E-04	2.78E-03	2.62E-04	7.98E-05	3.39E-03
1836	494811.06	3859151.99	0.06195	0.09104	0.0407	0.02494	2.31E-04	2.72E-03	2.60E-04	7.87E-05	3.29E-03	2.10E-04	2.75E-09	3.46E-06	2.15E-06	2.16E-04	2.67E-04	2.72E-03	2.60E-04	7.87E-05	3.32E-03
1837	494861.06	3859151.99	0.06135	0.08966	0.0404	0.02467	2.29E-04	2.67E-03	2.58E-04	7.79E-05	3.24E-03	2.08E-04	2.71E-09	3.44E-06	2.12E-06	2.14E-04	2.65E-04	2.67E-03	2.58E-04	7.79E-05	3.28E-03
1838	494911.06	3859151.99	0.0601	0.08725	0.0399	0.02426	2.24E-04	2.60E-03	2.54E-04	7.66E-05	3.16E-03	2.04E-04	2.63E-09	3.39E-06	2.09E-06	2.10E-04	2.59E-04	2.60E-03	2.54E-04	7.66E-05	3.19E-03
1839	494961.06	3859151.99	0.05846	0.08401	0.0392	0.02383	2.18E-04	2.51E-03	2.50E-04	7.52E-05	3.05E-03	1.98E-04	2.54E-09	3.33E-06	2.05E-06	2.04E-04	2.52E-04	2.51E-03	2.50E-04	7.52E-05	3.08E-03
1840	495011.06	3859151.99	0.0566	0.08128	0.038	0.02327	2.11E-04	2.42E-03	2.42E-04	7.35E-05	2.95E-03	1.92E-04	2.45E-09	3.23E-06	2.00E-06	1.97E-04	2.44E-04	2.42E-03	2.42E-04	7.35E-05	2.99E-03
1841	495061.06	3859151.99	0.05652	0.08079	0.038	0.02313	2.11E-04	2.41E-03	2.42E-04	7.30E-05	2.94E-03	1.92E-04	2.44E-09	3.23E-06	1.99E-06	1.97E-04	2.44E-04	2.41E-03	2.42E-04	7.30E-05	2.97E-03
1842	495111.06	3859151.99	0.05626	0.08008	0.0378	0.02295	2.10E-04	2.39E-03	2.41E-04	7.25E-05	2.91E-03	1.91E-04	2.42E-09	3.22E-06	1.98E-06	1.96E-04	2.43E-04	2.39E-03	2.41E-04	7.25E-05	2.95E-03
1843	495161.06	3859151.99	0.05672	0.08036	0.0381	0.02292	2.12E-04	2.40E-03	2.43E-04	7.24E-05	2.92E-03	1.93E-04	2.43E-09	3.24E-06	1.97E-06	1.98E-04	2.45E-04	2.40E-03	2.43E-04	7.24E-05	2.96E-03
1844	495211.06	3859151.99	0.05653	0.07975	0.038	0.02276	2.11E-04	2.38E-03	2.42E-04	7.19E-05	2.90E-03	1.92E-04	2.41E-09	3.23E-06	1.96E-06	1.97E-04	2.44E-04	2.38E-03	2.42E-04	7.19E-05	2.94E-03
1845	495261.06	3859151.99	0.05637	0.07917	0.0379	0.02261	2.10E-04	2.36E-03	2.42E-04	7.14E-05	2.89E-03	1.91E-04	2.39E-09	3.22E-06	1.95E-06	1.97E-04	2.43E-04	2.36E-03	2.42E-04	7.14E-05	2.92E-03
1846	495311.06	3859151.99	0.05628	0.0787	0.0378	0.02247	2.10E-04	2.35E-03	2.41E-04	7.09E-05	2.87E-03	1.91E-04	2.38E-09	3.22E-06	1.93E-06	1.96E-04	2.43E-04	2.35E-03	2.41E-04	7.09E-05	2.90E-03
1847	495361.06	3859151.99	0.05614	0.07816	0.0377	0.02233	2.09E-04	2.33E-03	2.41E-04	7.05E-05	2.85E-03	1.91E-04	2.36E-09	3.21E-06	1.92E-06	1.96E-04	2.42E-04	2.33E-03	2.41E-04	7.05E-05	2.89E-03
1848	495411.06	3859151.99	0.0565	0.07835	0.0379	0.02228	2.11E-04	2.34E-03	2.42E-04	7.03E-05	2.86E-03	1.92E-04	2.37E-09	3.23E-06	1.92E-06	1.97E-04	2.44E-04	2.34E-03	2.42E-04	7.03E-05	2.89E-03
1849	495461.06	3859151.99	0.05639	0.07786	0.0379	0.02214	2.10E-04	2.32E-03	2.42E-04	6.99E-05	2.84E-03	1.91E-04	2.35E-09	3.22E-06	1.91E-06	1.97E-04	2.43E-04	2.32E-03	2.42E-04	6.99E-05	2.88E-03
1850	495511.06	3859151.99	0.05583	0.07674	0.0376	0.02192	2.08E-04	2.29E-03	2.40E-04	6.92E-05	2.81E-03	1.90E-04	2.32E-09	3.19E-06	1.89E-06	1.95E-04	2.41E-04	2.29E-03	2.40E-04	6.92E-05	2.84E-03
1851	495561.06	3859151.99	0.05546	0.0759	0.0373	0.02174	2.07E-04	2.26E-03	2.38E-04	6.86E-05	2.78E-03	1.88E-04	2.29E-09	3.18E-06	1.87E-06	1.93E-04	2.39E-04	2.26E-03	2.38E-04	6.86E-05	2.81E-03
1852	495611.06	3859151.99	0.05516	0.07516	0.0372	0.02157	2.06E-04	2.24E-03	2.37E-04	6.81E-05	2.75E-03	1.87E-04	2.27E-09	3.16E-06	1.86E-06	1.92E-04	2.38E-04	2.24E-03	2.37E-04	6.81E-05	2.79E-03
1853	495661.06	3859151.99	0.05491	0.07451	0.037	0.02142	2.05E-04	2.22E-03	2.36E-04	6.76E-05	2.73E-03	1.86E-04	2.25E-09	3.15E-06	1.84E-06	1.91E-04	2.37E-04	2.22E-03	2.36E-04	6.76E-05	2.76E-03
1854	494311.06	3859201.99	0.0689	0.11186	0.0416	0.02791	2.57E-04	3.34E-03	2.65E-04	8.81E-05	3.95E-03	2.34E-04	3.38E-09	3.54E-06	2.40E-06	2.40E-04	2.97E-04	3.34E-03	2.65E-04	8.81E-05	3.99E-03
1855	494361.06	3859201.99	0.06852	0.1106	0.0415	0.02767	2.56E-04	3.30E-03	2.65E-04	8.74E-05	3.91E-03	2.33E-04	3.34E-09	3.53E-06	2.38E-06	2.39E-04	2.96E-04	3.30E-03	2.65E-04	8.74E-05	3.95E-03
1856	494411.06	3859201.99	0.06801	0.10894	0.0414	0.02741	2.54E-04	3.25E-03	2.64E-04	8.65E-05	3.85E-03	2.31E-04	3.29E-09	3.52E-06	2.36E-06	2.37E-04	2.93E-04	3.25E-03	2.64E-04	8.65E-05	3.89E-03
1857	494461.06	3859201.99	0.06726	0.10664	0.0413	0.0271	2.51E-04	3.18E-03	2.63E-04	8.56E-05	3.78E-03	2.28E-04	3.22E-09	3.51E-06	2.33E-06	2.34E-04	2.90E-04	3.18E-03	2.63E-04	8.56E-05	3.82E-03
1858	494511.06	3859201.99	0.06673	0.10506	0.0411	0.02683	2.49E-04	3.13E-03	2.62E-04	8.47E-05	3.73E-03	2.27E-04	3.17E-09	3.50E-06	2.31E-06	2.32E-04	2.88E-04	3.13E-03	2.62E-04	8.47E-05	3.77E-03
1859	494561.06	3859201.99	0.06584	0.10259	0.041	0.02649	2.46E-04	3.06E-03	2.61E-04	8.36E-05	3.65E-03	2.24E-04	3.10E-09	3.48E-06	2.28E-06	2.29E-04	2.84E-04	3.06E-03	2.61E-04	8.36E-05	3.69E-03
1860	494611.06	3859201.99	0.06513	0.10066	0.0408	0.02618	2.43E-04	3.00E-03	2.60E-04	8.27E-05	3.59E-03	2.21E-04	3.04E-09	3.47E-06	2.25E-06	2.27E-04	2.81E-04	3.00E-03	2.60E-04	8.27E-05	3.63E-03
1861	494661.06	3859201.99	0.06456	0.09911	0.0406	0.02591	2.41E-04	2.96E-03	2.59E-04	8.18E-05	3.54E-03	2.19E-04	2.99E-09	3.45E-06	2.23E-06	2.25E-04	2.79E-04	2.96E-03	2.59E-04	8.18E-05	3.58E-03
1862	494711.06	3859201.99	0.06397	0.09756	0.0404	0.02564	2.39E-04	2.91E-03	2.58E-04	8.10E-05	3.49E-03	2.17E-04	2.95E-09	3.43E-06	2.21E-06	2.23E-04	2.76E-04	2.91E-03	2.58E-04	8.10E-05	3.53E-03
1863	494761.06	3859201.99	0.06297	0.09517	0.0401	0.02527	2.35E-04	2.84E-03	2.56E-04	7.98E-05	3.41E-03	2.14E-04	2.87E-09	3.41E-06	2.18E-06	2.19E-04	2.72E-04	2.84E-03	2.56E-04	7.98E-05	3.45E-03
1864	494811.06	3859201.99	0.06212	0.0932	0.0397	0.02494	2.32E-04	2.78E-03	2.53E-04	7.87E-05	3.34E-03	2.11E-04	2.81E-09	3.38E-06	2.15E-06	2.16E-04	2.68E-04	2.78E-03	2.53E-04	7.87E-05	3.38E-03
1865	494861.06	3859201.99	0.06118	0.09079	0.0395	0.02464	2.28E-04	2.71E-03	2.52E-04	7.78E-05	3.27E-03	2.08E-04	2.74E-09	3.36E-06	2.12E-06	2.13E-04	2.64E-04	2.71E-03	2.52E-04	7.78E-05	3.30E-03
1866	494911.06	3859201.99	0.05976	0.08828	0.0388	0.02414	2.23E-04	2.63E-03	2.47E-04	7.62E-05	3.18E-03	2.03E-04	2.67E-09	3.30E-06	2.08E-06	2.08E-04	2.58E-04	2.63E-03	2.47E-04	7.62E-05	3.22E-03
1867	494961.06	3859201.99	0.05829	0.08553	0.0381	0.02369	2.18E-04	2.55E-03	2.43E-04	7.48E-05	3.09E-03	1.98E-04	2.58E-09	3.24E-06	2.04E-06	2.03E-04	2.52E-04	2.55E-03	2.43E-04	7.48E-05	3.12E-03
1868	495011.06	3859201.99	0.05627	0.08201	0.0371	0.02314	2.10E-04	2.45E-03	2.36E-04	7.31E-05	2.97E-03	1.91E-04	2.48E-09	3.15E-06	1.99E-06	1.96E-04	2.43E-04	2.45E-03	2.36E-04	7.31E-05	3.00E-03
1869	495061.06	3859201.99	0.05708	0.08294	0.0374	0.02318	2.13E-04	2.47E-03	2.39E-04	7.32E-05	3.00E-03	1.94E-04	2.50E-09	3.18E-06	2.00E-06	1.99E-04	2.46E-04	2.47E-03	2.39E-04	7.32E-05	3.03E-03
1870	495111.06	3859201.99	0.05711	0.08264	0.0375	0.02306	2.13E-04	2.47E-03	2.39E-04	7.28E-05	2.99E-03	1.94E-04	2.50E-09	3.19E-06	1.99E-06	1.99E-04	2.46E-04	2.47E-03	2.39E-04	7.28E-05	3.02E-03
1871	495161.06	3859201.99	0.05703	0.08219	0.0374	0.02293	2.13E-04	2.45E-03	2.39E-04	7.24E-05	2.98E-03	1.94E-04	2.48E-09	3.18E-06	1.97E-06	1.99E-04	2.46E-04	2.45E-03	2.39E-04	7.24E-05	3.01E-03
1872	495211.06	3859201.99	0.05665	0.08128	0.0372	0.02273	2.11E-04	2.42E-03	2.37E-04	7.18E-05	2.95E-03	1.92E-04	2.45E-09	3.16E-06	1.96E-06	1.97E-04	2.44E-04	2.42E-03	2.37E-04	7.18E-05	2.98E-03
1873	495261.06	3859201.99	0.05671	0.08104	0.0372	0.02262	2.12E-04	2.42E-03	2.38E-04	7.14E-05	2.94E-03	1.93E-04	2.45E-09	3.17E-06	1.95E-06	1.98E-04	2.45E-04	2.42E-03	2.38E-04	7.14E-05	2.97E-03
1874	495311.06	3859201.99	0.05662	0.08057	0.0372	0.02248	2.11E-04	2.40E-03	2.37E-04	7.10E-05	2.92E-03	1.92E-04	2.43E-09	3.16E-06	1.94E-06	1.97E-04	2.44E-04	2.40E-03	2.37E-04	7.10E-05	2.96E-03
1875	495361.06	3859201.99	0.0566	0.08021	0.0372	0.02236	2.11E-04	2.39E-03	2.37E-04	7.06E-05	2.91E-03	1.92E-04	2.42E-09	3.16E-06	1.93E-06	1.97E-04	2.44E-04	2.39E-03	2.37E-04	7.06E-05	2.94E-03
1876	495411.06	3859201.99	0.05684	0.08031	0.0373	0.0223	2.12E-04	2.40E-03	2.38E-04	7.04E-05	2.92E-03	1.93E-04	2.43E-09	3.17E-06	1.92E-06	1.98E-04	2.45E-04	2.40E-03	2.38E-04	7.04E-05	2.95E-03
1877	495461.06	3859201.99	0.05661	0.07965	0.0372	0.02214	2.11E-04	2.38E-03	2.37E-04	6.99E-05	2.89E-03	1.92E-04	2.41E-09	3.16E-06	1.91E-06	1.97E-04	2.44E-04	2.38E-03	2.37E-04	6.99E-05	2.93E-03
1878	495511.06	3859201.99	0.0564	0.07895	0.0371	0.02199	2.10E-04	2.36E-03	2.37E-04	6.94E-05	2.87E-03	1.91E-04	2.38E-09	3.15E-06	1.89E-06	1.97E-04	2.43E-04	2.36E-03	2.37E-04	6.94E-05	2.90E-03
1879	495561.06	3859201.99	0.05579	0.07771	0.0368	0.02175	2.08E-04	2.32E-03	2.35E-04	6.87E-05	2.83E-03	1.89E-04	2.35E-09	3.13E-06	1.87E-06	1.94E-04	2.41E-04	2.32E-03	2.35E-04	6.87E-05	2.86E-03
1880	495611.06	3859201.99	0.0554	0.07681	0.0366	0.02156	2.07E-04	2.29E-03	2.33E-04	6.81E-05	2.80E-03	1.88E-04	2.32E-09	3.11E-06	1.86E-06	1.93E-04	2.39E-04	2.29E-03	2.33E-04	6.81E-05	2.83E-03
1881	495661.06	3859201.99	0.05517	0.07616	0.0364	0.02141	2.06E-04	2.27E-03	2.32E-04	6.76E-05	2.78E-03	1.87E-04	2.30E-09	3.10E-06	1.84E-06	1.92E-04	2.38E-04	2.27E-03	2.32E-04	6.76E-05	2.81E-03
1882	494311.06	3859251.99	0.06864	0.11492	0.0402	0.02774	2.56E-04	3.43E-03	2.56E-04	8.76E-05	4.03E-03	2.33E-04	3.47E-09	3.42E-06	2.39E-06	2.39E-04	2.96E-04	3.43E-03	2.56E-04	8.76E-05	4.07E-03
1883	494361.06	3859251.99	0.06814	0.11307	0.0401	0.02749	2.54E-04	3.37E-03	2.56E-04	8.68E-05	3.97E-03	2.31E-04	3.41E-09	3.41E-06	2.37E-06	2.37E-04	2.94E-04	3.37E-03	2.56E-04	8.68E-05	4.01E-03
1884	494411.06	3859251.99	0.06744	0.11063	0.0401	0.0272	2.52E-04	3.30E-03	2.56E-04	8.59E-05	3.89E-03	2.29E-04	3.34E-09	3.41E-06	2.34E-06	2.35E-04	2.91E-04	3.30E-03	2.56E-04	8.59E-05	3.93E-03
1885	494461.06	3859251.99	0.06696	0.10899	0.04	0.02695	2.50E-04	3.25E-03	2.55E-04	8.51E-05	3.84E-03	2.27E-04	3.29E-09	3.40E-06	2.32E-06	2.33E-04	2.89E-04	3.25E-03	2.55E-04	8.51E-05	3.88E-03
1886	494511.06	3859251.99	0.06616	0.10642	0.0399	0.02663	2.47E-04	3.17E-03	2.55E-04	8.41E-05	3.76E-03	2.25E-04	3.21E-09	3.39E-06	2.29E-06	2.30E-04	2.85E-04	3.17E-03	2.55E-04	8.41E-05	3.80E-03
1887	494561.06	3859251.99	0.06561	0.10471	0.0398	0.02636	2.45E-04	3.12E-03	2.54E-04	8.32E-05	3.71E-03	2.23E-04	3.16E-09	3.38E-06	2.27E-06	2.28E-04	2.83E-04	3.12E-03	2.54E-04	8.32E-05	3.74E-03

1888	494611.06	3859251.99	0.06487	0.10255	0.0396	0.02606	2.42E-04	3.06E-03	2.53E-04	8.23E-05	3.64E-03	2.20E-04	3.10E-09	3.37E-06	2.24E-06	2.26E-04	2.80E-04	3.06E-03	2.53E-04	8.23E-05	3.67E-03
1889	494661.06	3859251.99	0.06446	0.10131	0.0395	0.02583	2.41E-04	3.02E-03	2.52E-04	8.16E-05	3.60E-03	2.19E-04	3.06E-09	3.36E-06	2.22E-06	2.24E-04	2.78E-04	3.02E-03	2.52E-04	8.16E-05	3.63E-03
1890	494711.06	3859251.99	0.0639	0.0997	0.0393	0.02556	2.38E-04	2.97E-03	2.51E-04	8.07E-05	3.54E-03	2.17E-04	3.01E-09	3.34E-06	2.20E-06	2.22E-04	2.76E-04	2.97E-03	2.51E-04	8.07E-05	3.58E-03
1891	494761.06	3859251.99	0.06248	0.09582	0.039	0.02514	2.33E-04	2.86E-03	2.49E-04	7.94E-05	3.42E-03	2.12E-04	2.89E-09	3.32E-06	2.16E-06	2.18E-04	2.70E-04	2.86E-03	2.49E-04	7.94E-05	3.46E-03
1892	494811.06	3859251.99	0.06218	0.09528	0.0388	0.0249	2.32E-04	2.84E-03	2.47E-04	7.86E-05	3.40E-03	2.11E-04	2.88E-09	3.30E-06	2.14E-06	2.17E-04	2.68E-04	2.84E-03	2.47E-04	7.86E-05	3.44E-03
1893	494861.06	3859251.99	0.06087	0.09196	0.0385	0.02452	2.27E-04	2.74E-03	2.45E-04	7.74E-05	3.29E-03	2.07E-04	2.78E-09	3.27E-06	2.11E-06	2.12E-04	2.63E-04	2.74E-03	2.45E-04	7.74E-05	3.33E-03
1894	494911.06	3859251.99	0.05943	0.08929	0.0378	0.024	2.22E-04	2.66E-03	2.41E-04	7.58E-05	3.20E-03	2.02E-04	2.70E-09	3.21E-06	2.07E-06	2.07E-04	2.56E-04	2.66E-03	2.41E-04	7.58E-05	3.24E-03
1895	494961.06	3859251.99	0.05875	0.08777	0.0375	0.02372	2.19E-04	2.62E-03	2.39E-04	7.49E-05	3.15E-03	1.99E-04	2.65E-09	3.19E-06	2.04E-06	2.05E-04	2.54E-04	2.62E-03	2.39E-04	7.49E-05	3.19E-03
1896	495011.06	3859251.99	0.05791	0.08601	0.0371	0.02341	2.16E-04	2.57E-03	2.36E-04	7.39E-05	3.09E-03	1.97E-04	2.60E-09	3.15E-06	2.02E-06	2.02E-04	2.50E-04	2.57E-03	2.36E-04	7.39E-05	3.13E-03
1897	495061.06	3859251.99	0.05799	0.08584	0.0371	0.02331	2.16E-04	2.56E-03	2.37E-04	7.36E-05	3.09E-03	1.97E-04	2.59E-09	3.15E-06	2.01E-06	2.02E-04	2.50E-04	2.56E-03	2.37E-04	7.36E-05	3.12E-03
1898	495111.06	3859251.99	0.05768	0.08501	0.0369	0.02312	2.15E-04	2.54E-03	2.36E-04	7.30E-05	3.06E-03	1.96E-04	2.57E-09	3.14E-06	1.99E-06	2.01E-04	2.49E-04	2.54E-03	2.36E-04	7.30E-05	3.09E-03
1899	495161.06	3859251.99	0.05755	0.08449	0.0369	0.02298	2.15E-04	2.52E-03	2.35E-04	7.26E-05	3.04E-03	1.95E-04	2.55E-09	3.13E-06	1.98E-06	2.00E-04	2.48E-04	2.52E-03	2.35E-04	7.26E-05	3.08E-03
1900	495211.06	3859251.99	0.05721	0.08361	0.0367	0.02278	2.13E-04	2.49E-03	2.34E-04	7.19E-05	3.01E-03	1.94E-04	2.52E-09	3.12E-06	1.96E-06	1.99E-04	2.47E-04	2.49E-03	2.34E-04	7.19E-05	3.05E-03
1901	495261.06	3859251.99	0.05723	0.08306	0.0368	0.02273	2.14E-04	2.48E-03	2.35E-04	7.18E-05	3.00E-03	1.94E-04	2.51E-09	3.13E-06	1.96E-06	1.99E-04	2.47E-04	2.48E-03	2.35E-04	7.18E-05	3.03E-03
1902	495311.06	3859251.99	0.05716	0.08292	0.0367	0.02255	2.13E-04	2.47E-03	2.34E-04	7.12E-05	2.99E-03	1.94E-04	2.50E-09	3.12E-06	1.94E-06	1.99E-04	2.47E-04	2.47E-03	2.34E-04	7.12E-05	3.03E-03
1903	495361.06	3859251.99	0.05698	0.08233	0.0366	0.0224	2.13E-04	2.46E-03	2.33E-04	7.07E-05	2.97E-03	1.93E-04	2.49E-09	3.11E-06	1.93E-06	1.98E-04	2.46E-04	2.46E-03	2.33E-04	7.07E-05	3.01E-03
1904	495411.06	3859251.99	0.05713	0.08228	0.0366	0.02232	2.13E-04	2.45E-03	2.34E-04	7.05E-05	2.97E-03	1.94E-04	2.48E-09	3.11E-06	1.92E-06	1.99E-04	2.47E-04	2.45E-03	2.34E-04	7.05E-05	3.01E-03
1905	495461.06	3859251.99	0.05692	0.08163	0.0365	0.02216	2.12E-04	2.44E-03	2.33E-04	7.00E-05	2.95E-03	1.93E-04	2.47E-09	3.11E-06	1.91E-06	1.98E-04	2.46E-04	2.44E-03	2.33E-04	7.00E-05	2.98E-03
1906	495511.06	3859251.99	0.05634	0.08035	0.0363	0.02192	2.10E-04	2.40E-03	2.31E-04	6.92E-05	2.91E-03	1.91E-04	2.43E-09	3.08E-06	1.89E-06	1.96E-04	2.43E-04	2.40E-03	2.31E-04	6.92E-05	2.94E-03
1907	495561.06	3859251.99	0.05604	0.07956	0.0361	0.02175	2.09E-04	2.37E-03	2.30E-04	6.87E-05	2.88E-03	1.90E-04	2.40E-09	3.07E-06	1.87E-06	1.95E-04	2.42E-04	2.37E-03	2.30E-04	6.87E-05	2.91E-03
1908	495611.06	3859251.99	0.05554	0.07844	0.0359	0.02153	2.07E-04	2.34E-03	2.29E-04	6.80E-05	2.84E-03	1.89E-04	2.37E-09	3.05E-06	1.85E-06	1.93E-04	2.40E-04	2.34E-03	2.29E-04	6.80E-05	2.88E-03
1909	495661.06	3859251.99	0.05524	0.07766	0.0357	0.02136	2.06E-04	2.32E-03	2.28E-04	6.74E-05	2.82E-03	1.88E-04	2.35E-09	3.04E-06	1.84E-06	1.92E-04	2.38E-04	2.32E-03	2.28E-04	6.74E-05	2.85E-03
1910	494311.06	3859301.99	0.0682	0.11777	0.0388	0.02749	2.54E-04	3.51E-03	2.48E-04	8.68E-05	4.10E-03	2.32E-04	3.56E-09	3.30E-06	2.37E-06	2.37E-04	2.94E-04	3.51E-03	2.48E-04	8.68E-05	4.14E-03
1911	494361.06	3859301.99	0.06771	0.11575	0.0388	0.02725	2.53E-04	3.45E-03	2.47E-04	8.60E-05	4.04E-03	2.30E-04	3.50E-09	3.30E-06	2.35E-06	2.36E-04	2.92E-04	3.45E-03	2.47E-04	8.60E-05	4.08E-03
1912	494411.06	3859301.99	0.06708	0.11324	0.0388	0.02698	2.50E-04	3.38E-03	2.48E-04	8.52E-05	3.96E-03	2.28E-04	3.42E-09	3.30E-06	2.32E-06	2.33E-04	2.89E-04	3.38E-03	2.48E-04	8.52E-05	4.00E-03
1913	494461.06	3859301.99	0.06643	0.11078	0.0388	0.02671	2.48E-04	3.30E-03	2.47E-04	8.43E-05	3.88E-03	2.26E-04	3.35E-09	3.30E-06	2.30E-06	2.31E-04	2.87E-04	3.30E-03	2.47E-04	8.43E-05	3.92E-03
1914	494511.06	3859301.99	0.06582	0.10863	0.0387	0.02644	2.46E-04	3.24E-03	2.47E-04	8.35E-05	3.82E-03	2.23E-04	3.28E-09	3.29E-06	2.28E-06	2.29E-04	2.84E-04	3.24E-03	2.47E-04	8.35E-05	3.86E-03
1915	494561.06	3859301.99	0.06532	0.10692	0.0386	0.02619	2.44E-04	3.19E-03	2.46E-04	8.27E-05	3.76E-03	2.22E-04	3.23E-09	3.29E-06	2.26E-06	2.27E-04	2.82E-04	3.19E-03	2.46E-04	8.27E-05	3.80E-03
1916	494611.06	3859301.99	0.06476	0.10505	0.0385	0.02593	2.42E-04	3.13E-03	2.46E-04	8.19E-05	3.70E-03	2.20E-04	3.17E-09	3.28E-06	2.23E-06	2.25E-04	2.79E-04	3.13E-03	2.46E-04	8.19E-05	3.74E-03
1917	494661.06	3859301.99	0.06419	0.10324	0.0384	0.02567	2.40E-04	3.08E-03	2.45E-04	8.10E-05	3.65E-03	2.18E-04	3.12E-09	3.27E-06	2.21E-06	2.23E-04	2.77E-04	3.08E-03	2.45E-04	8.10E-05	3.68E-03
1918	494711.06	3859301.99	0.06348	0.10112	0.0383	0.02538	2.37E-04	3.02E-03	2.44E-04	8.01E-05	3.58E-03	2.16E-04	3.05E-09	3.25E-06	2.19E-06	2.21E-04	2.74E-04	3.02E-03	2.44E-04	8.01E-05	3.61E-03
1919	494761.06	3859301.99	0.06284	0.09926	0.0381	0.0251	2.34E-04	2.96E-03	2.43E-04	7.93E-05	3.52E-03	2.13E-04	3.00E-09	3.24E-06	2.16E-06	2.19E-04	2.71E-04	2.96E-03	2.43E-04	7.93E-05	3.55E-03
1920	494811.06	3859301.99	0.06189	0.09671	0.0379	0.02475	2.31E-04	2.89E-03	2.41E-04	7.81E-05	3.44E-03	2.10E-04	2.92E-09	3.22E-06	2.13E-06	2.15E-04	2.67E-04	2.89E-03	2.41E-04	7.81E-05	3.47E-03
1921	494861.06	3859301.99	0.06051	0.09336	0.0375	0.0243	2.26E-04	2.79E-03	2.39E-04	7.67E-05	3.33E-03	2.05E-04	2.82E-09	3.19E-06	2.09E-06	2.11E-04	2.61E-04	2.79E-03	2.39E-04	7.67E-05	3.36E-03
1922	494911.06	3859301.99	0.0598	0.09162	0.0372	0.02401	2.23E-04	2.73E-03	2.37E-04	7.58E-05	3.27E-03	2.03E-04	2.77E-09	3.16E-06	2.07E-06	2.08E-04	2.58E-04	2.73E-03	2.37E-04	7.58E-05	3.30E-03
1923	494961.06	3859301.99	0.05834	0.08836	0.0366	0.02357	2.18E-04	2.64E-03	2.34E-04	7.44E-05	3.16E-03	1.98E-04	2.67E-09	3.12E-06	2.03E-06	2.03E-04	2.52E-04	2.64E-03	2.34E-04	7.44E-05	3.20E-03
1924	495011.06	3859301.99	0.05781	0.08707	0.0364	0.02333	2.16E-04	2.60E-03	2.32E-04	7.37E-05	3.12E-03	1.96E-04	2.63E-09	3.09E-06	2.01E-06	2.01E-04	2.49E-04	2.60E-03	2.32E-04	7.37E-05	3.15E-03
1925	495061.06	3859301.99	0.05857	0.08809	0.0367	0.02342	2.19E-04	2.63E-03	2.34E-04	7.39E-05	3.15E-03	1.99E-04	2.66E-09	3.12E-06	2.02E-06	2.04E-04	2.53E-04	2.63E-03	2.34E-04	7.39E-05	3.19E-03
1926	495111.06	3859301.99	0.05773	0.08636	0.0363	0.02308	2.15E-04	2.58E-03	2.31E-04	7.29E-05	3.10E-03	1.96E-04	2.61E-09	3.09E-06	1.99E-06	2.01E-04	2.49E-04	2.58E-03	2.31E-04	7.29E-05	3.13E-03
1927	495161.06	3859301.99	0.05756	0.08596	0.0361	0.0229	2.15E-04	2.56E-03	2.30E-04	7.23E-05	3.08E-03	1.95E-04	2.60E-09	3.07E-06	1.97E-06	2.00E-04	2.48E-04	2.56E-03	2.30E-04	7.23E-05	3.12E-03
1928	495211.06	3859301.99	0.05775	0.08605	0.0362	0.02283	2.15E-04	2.57E-03	2.31E-04	7.21E-05	3.09E-03	1.96E-04	2.60E-09	3.08E-06	1.97E-06	2.01E-04	2.49E-04	2.57E-03	2.31E-04	7.21E-05	3.12E-03
1929	495261.06	3859301.99	0.05773	0.08575	0.0361	0.02272	2.15E-04	2.56E-03	2.30E-04	7.17E-05	3.08E-03	1.96E-04	2.59E-09	3.07E-06	1.96E-06	2.01E-04	2.49E-04	2.56E-03	2.30E-04	7.17E-05	3.11E-03
1930	495311.06	3859301.99	0.05722	0.08453	0.0359	0.02249	2.14E-04	2.52E-03	2.29E-04	7.10E-05	3.04E-03	1.94E-04	2.55E-09	3.05E-06	1.94E-06	1.99E-04	2.47E-04	2.52E-03	2.29E-04	7.10E-05	3.07E-03
1931	495361.06	3859301.99	0.05727	0.08436	0.0359	0.0224	2.14E-04	2.52E-03	2.29E-04	7.07E-05	3.03E-03	1.94E-04	2.55E-09	3.05E-06	1.93E-06	1.99E-04	2.47E-04	2.52E-03	2.29E-04	7.07E-05	3.06E-03
1932	495411.06	3859301.99	0.05715	0.08386	0.0358	0.02226	2.13E-04	2.50E-03	2.29E-04	7.03E-05	3.01E-03	1.94E-04	2.53E-09	3.05E-06	1.92E-06	1.99E-04	2.47E-04	2.50E-03	2.29E-04	7.03E-05	3.05E-03
1933	495461.06	3859301.99	0.05708	0.08347	0.0358	0.02214	2.13E-04	2.49E-03	2.28E-04	6.99E-05	3.00E-03	1.94E-04	2.52E-09	3.04E-06	1.91E-06	1.99E-04	2.46E-04	2.49E-03	2.28E-04	6.99E-05	3.03E-03
1934	495511.06	3859301.99	0.05664	0.08239	0.0356	0.02193	2.11E-04	2.46E-03	2.27E-04	6.92E-05	2.97E-03	1.92E-04	2.49E-09	3.03E-06	1.89E-06	1.97E-04	2.44E-04	2.46E-03	2.27E-04	6.92E-05	3.00E-03
1935	495561.06	3859301.99	0.05589	0.08075	0.0353	0.02166	2.09E-04	2.41E-03	2.25E-04	6.84E-05	2.91E-03	1.90E-04	2.44E-09	3.00E-06	1.87E-06	1.95E-04	2.41E-04	2.41E-03	2.25E-04	6.84E-05	2.94E-03
1936	495611.06	3859301.99	0.05561	0.07996	0.0351	0.02149	2.08E-04	2.39E-03	2.24E-04	6.79E-05	2.88E-03	1.89E-04	2.41E-09	2.99E-06	1.85E-06	1.94E-04	2.40E-04	2.39E-03	2.24E-04	6.79E-05	2.92E-03
1937	495661.06	3859301.99	0.05531	0.07916	0.035	0.02132	2.06E-04	2.36E-03	2.23E-04	6.73E-05	2.86E-03	1.88E-04	2.39E-09	2.98E-06	1.84E-06	1.93E-04	2.39E-04	2.36E-03	2.23E-04	6.73E-05	2.89E-03
1938	494311.06	3859351.99	0.06751	0.11996	0.0375	0.02715	2.52E-04	3.58E-03	2.39E-04	8.57E-05	4.16E-03	2.29E-04	3.62E-09	3.19E-06	2.34E-06	2.35E-04	2.91E-04	3.58E-03	2.39E-04	8.57E-05	4.19E-03
1939	494361.06	3859351.99	0.06707	0.11788	0.0375	0.02693	2.50E-04	3.52E-03	2.39E-04	8.50E-05	4.09E-03	2.28E-04	3.56E-09	3.19E-06	2.32E-06	2.33E-04	2.89E-04	3.52E-03	2.39E-04	8.50E-05	4.13E-03
1940	494411.06	3859351.99	0.06644	0.11508	0.0376	0.02667	2.48E-04	3.43E-03	2.40E-04	8.42E-05	4.01E-03	2.26E-04	3.48E-09	3.20E-06	2.30E-06	2.31E-04	2.87E-04	3.43E-03	2.40E-04	8.42E-05	4.04E-03
1941	494461.06	3859351.99	0.06587	0.11273	0.0377	0.02642	2.46E-04	3.36E-03	2.40E-04	8.34E-05	3.93E-03	2.24E-04	3.40E-09	3.20E-06	2.28E-06	2.29E-04	2.84E-04	3.36E-03	2.40E-04	8.34E-05	3.97E-03
1942	494511.06	3859351.99	0.06534	0.11063	0.0376	0.02618	2.44E-04	3.30E-03	2.40E-04	8.27E-05	3.87E-03	2.22E-04	3.34E-09	3.20E-06	2.25E-06	2.27E-04	2.82E-04	3.30E-03	2.40E-04	8.27E-05	3.91E-03
1943	494561.06	3859351.99	0.06493	0.10904	0.0376	0.02595	2.42E-04	3.25E-03	2.40E-04	8.19E-05	3.82E-03	2.20E-04	3.29E-09	3.19E-06	2.23E-06	2.26E-04	2.80E-04	3.25E-03	2.40E-04	8.19E-05	3.85E-03
1944	494611.06	3859351.99	0.06444	0.10724	0.0375	0.02571	2.40E-04	3.20E-03	2.39E-04	8.12E-05	3.76E-03	2.19E-04	3.24E-09	3.19E-06	2.21E-06	2.24E-04	2.78E-04	3.20E-03	2.39E-04	8.12E-05	3.80E-03
1945	494661.06	3859351.99	0.0639	0.10536	0.0374	0.02547	2.38E-04	3.14E-03	2.39E-04	8.04E-05	3.70E-03	2.17E-04	3.18E-09	3.18E-06	2.19E-06	2.22E-04	2.76E-04	3.14E-03	2.39E-04	8.04E-05	3.74E-03
1946	494711.06	3859351.99	0.0632	0.10303	0.0373	0.02519	2.36E-04	3.07E-03	2.38E-04	7.95E-05	3.63E-03	2.15E-04	3.11E-09	3.17E-06	2.17E-06	2.20E-04	2.73E-04	3.07E-03	2.38E-04	7.95E-05	3.66E-03
1947	494761.06	3859351.99	0.06236	0.10008	0.0372	0.02491	2.33E-04	2.99E-03	2.38E-04	7.87E-05	3.53E-03	2.12E-04	3.02E-09	3.17E-06	2.15E-06	2.17E-04	2.69E-04	2.99E-03	2.38E-04	7.87E-05	3.57E-03
1948	494811.06	3859351.99	0.06094	0.09651	0.0369	0.02441	2.27E-04	2.88E-03	2.36E-04	7.71E-05	3.42E-03	2.07E-04	2.91E-09	3.14E-06	2.10E-06	2.12E-04	2.63E-04	2.88E-03	2.36E-04	7.71E-05	3.45E-03

1949	494861.06	3859351.99	0.0604	0.095	0.0367	0.02416	2.25E-04	2.83E-03	2.34E-04	7.63E-05	3.37E-03	2.05E-04	2.87E-09	3.12E-06	2.08E-06	2.10E-04	2.61E-04	2.83E-03	2.34E-04	7.63E-05	3.41E-03
1950	494911.06	3859351.99	0.06004	0.09394	0.0366	0.02396	2.24E-04	2.80E-03	2.33E-04	7.57E-05	3.34E-03	2.04E-04	2.84E-09	3.11E-06	2.06E-06	2.09E-04	2.59E-04	2.80E-03	2.33E-04	7.57E-05	3.37E-03
1951	494961.06	3859351.99	0.05939	0.0923	0.0363	0.02369	2.22E-04	2.75E-03	2.32E-04	7.48E-05	3.28E-03	2.02E-04	2.79E-09	3.09E-06	2.04E-06	2.07E-04	2.56E-04	2.75E-03	2.32E-04	7.48E-05	3.32E-03
1952	495011.06	3859351.99	0.05893	0.09102	0.0361	0.02346	2.20E-04	2.72E-03	2.30E-04	7.41E-05	3.24E-03	2.00E-04	2.75E-09	3.07E-06	2.02E-06	2.05E-04	2.54E-04	2.72E-03	2.30E-04	7.41E-05	3.27E-03
1953	495061.06	3859351.99	0.05919	0.09138	0.0361	0.02341	2.21E-04	2.73E-03	2.30E-04	7.39E-05	3.25E-03	2.01E-04	2.76E-09	3.07E-06	2.02E-06	2.06E-04	2.55E-04	2.73E-03	2.30E-04	7.39E-05	3.29E-03
1954	495111.06	3859351.99	0.05867	0.09002	0.0359	0.02318	2.19E-04	2.69E-03	2.29E-04	7.32E-05	3.21E-03	1.99E-04	2.72E-09	3.05E-06	2.00E-06	2.04E-04	2.53E-04	2.69E-03	2.29E-04	7.32E-05	3.24E-03
1955	495161.06	3859351.99	0.05843	0.08928	0.0358	0.02301	2.18E-04	2.66E-03	2.28E-04	7.27E-05	3.18E-03	1.98E-04	2.70E-09	3.04E-06	1.98E-06	2.03E-04	2.52E-04	2.66E-03	2.28E-04	7.27E-05	3.22E-03
1956	495211.06	3859351.99	0.05815	0.08847	0.0356	0.02284	2.17E-04	2.64E-03	2.27E-04	7.21E-05	3.16E-03	1.97E-04	2.67E-09	3.03E-06	1.97E-06	2.02E-04	2.51E-04	2.64E-03	2.27E-04	7.21E-05	3.19E-03
1957	495261.06	3859351.99	0.05808	0.08809	0.0355	0.02271	2.17E-04	2.63E-03	2.27E-04	7.17E-05	3.14E-03	1.97E-04	2.66E-09	3.02E-06	1.96E-06	2.02E-04	2.51E-04	2.63E-03	2.27E-04	7.17E-05	3.18E-03
1958	495311.06	3859351.99	0.05766	0.08697	0.0354	0.02251	2.15E-04	2.59E-03	2.25E-04	7.11E-05	3.11E-03	1.96E-04	2.63E-09	3.01E-06	1.94E-06	2.01E-04	2.49E-04	2.59E-03	2.25E-04	7.11E-05	3.14E-03
1959	495361.06	3859351.99	0.05742	0.08626	0.0352	0.02235	2.14E-04	2.57E-03	2.25E-04	7.06E-05	3.08E-03	1.95E-04	2.60E-09	3.00E-06	1.92E-06	2.00E-04	2.48E-04	2.57E-03	2.25E-04	7.06E-05	3.12E-03
1960	495411.06	3859351.99	0.05732	0.08583	0.0352	0.02222	2.14E-04	2.56E-03	2.24E-04	7.02E-05	3.07E-03	1.95E-04	2.59E-09	2.99E-06	1.91E-06	2.00E-04	2.47E-04	2.56E-03	2.24E-04	7.02E-05	3.10E-03
1961	495461.06	3859351.99	0.05732	0.0856	0.0351	0.02212	2.14E-04	2.55E-03	2.24E-04	6.98E-05	3.06E-03	1.95E-04	2.58E-09	2.99E-06	1.90E-06	1.99E-04	2.47E-04	2.55E-03	2.24E-04	6.98E-05	3.09E-03
1962	495511.06	3859351.99	0.05673	0.08413	0.0349	0.02188	2.12E-04	2.51E-03	2.23E-04	6.91E-05	3.01E-03	1.93E-04	2.54E-09	2.97E-06	1.88E-06	1.97E-04	2.45E-04	2.51E-03	2.23E-04	6.91E-05	3.05E-03
1963	495561.06	3859351.99	0.05629	0.08302	0.0347	0.02167	2.10E-04	2.48E-03	2.21E-04	6.84E-05	2.98E-03	1.91E-04	2.51E-09	2.95E-06	1.87E-06	1.96E-04	2.43E-04	2.48E-03	2.21E-04	6.84E-05	3.01E-03
1964	495611.06	3859351.99	0.056	0.08219	0.0346	0.02151	2.09E-04	2.45E-03	2.21E-04	6.79E-05	2.95E-03	1.90E-04	2.48E-09	2.94E-06	1.85E-06	1.95E-04	2.42E-04	2.45E-03	2.21E-04	6.79E-05	2.98E-03
1965	495661.06	3859351.99	0.05539	0.08076	0.0343	0.02127	2.07E-04	2.41E-03	2.19E-04	6.72E-05	2.90E-03	1.88E-04	2.44E-09	2.92E-06	1.83E-06	1.93E-04	2.39E-04	2.41E-03	2.19E-04	6.72E-05	2.93E-03
1966	494311.06	3859401.99	0.06687	0.12279	0.0361	0.02677	2.50E-04	3.66E-03	2.30E-04	8.45E-05	4.23E-03	2.27E-04	3.71E-09	3.07E-06	2.31E-06	2.32E-04	2.89E-04	3.66E-03	2.30E-04	8.45E-05	4.27E-03
1967	494361.06	3859401.99	0.06633	0.11986	0.0363	0.02655	2.48E-04	3.58E-03	2.31E-04	8.38E-05	4.14E-03	2.25E-04	3.62E-09	3.08E-06	2.29E-06	2.31E-04	2.86E-04	3.58E-03	2.31E-04	8.38E-05	4.18E-03
1968	494411.06	3859401.99	0.06575	0.11693	0.0364	0.02632	2.45E-04	3.49E-03	2.32E-04	8.31E-05	4.05E-03	2.23E-04	3.53E-09	3.10E-06	2.27E-06	2.29E-04	2.84E-04	3.49E-03	2.32E-04	8.31E-05	4.09E-03
1969	494461.06	3859401.99	0.06527	0.11473	0.0365	0.0261	2.44E-04	3.42E-03	2.33E-04	8.24E-05	3.98E-03	2.22E-04	3.46E-09	3.10E-06	2.25E-06	2.27E-04	2.82E-04	3.42E-03	2.33E-04	8.24E-05	4.02E-03
1970	494511.06	3859401.99	0.06493	0.11323	0.0364	0.02589	2.42E-04	3.38E-03	2.32E-04	8.17E-05	3.93E-03	2.20E-04	3.42E-09	3.10E-06	2.23E-06	2.26E-04	2.80E-04	3.38E-03	2.32E-04	8.17E-05	3.97E-03
1971	494561.06	3859401.99	0.06452	0.11148	0.0364	0.02567	2.41E-04	3.33E-03	2.32E-04	8.10E-05	3.88E-03	2.19E-04	3.37E-09	3.10E-06	2.21E-06	2.24E-04	2.78E-04	3.33E-03	2.32E-04	8.10E-05	3.92E-03
1972	494611.06	3859401.99	0.06401	0.10936	0.0364	0.02544	2.39E-04	3.26E-03	2.32E-04	8.03E-05	3.81E-03	2.17E-04	3.30E-09	3.10E-06	2.19E-06	2.23E-04	2.76E-04	3.26E-03	2.32E-04	8.03E-05	3.85E-03
1973	494661.06	3859401.99	0.06362	0.10783	0.0364	0.02523	2.37E-04	3.22E-03	2.32E-04	7.97E-05	3.77E-03	2.16E-04	3.26E-09	3.09E-06	2.17E-06	2.21E-04	2.75E-04	3.22E-03	2.32E-04	7.97E-05	3.80E-03
1974	494711.06	3859401.99	0.06315	0.10602	0.0363	0.02501	2.36E-04	3.16E-03	2.31E-04	7.90E-05	3.71E-03	2.14E-04	3.20E-09	3.09E-06	2.15E-06	2.20E-04	2.72E-04	3.16E-03	2.31E-04	7.90E-05	3.75E-03
1975	494761.06	3859401.99	0.06234	0.10279	0.0364	0.02477	2.33E-04	3.07E-03	2.32E-04	7.82E-05	3.61E-03	2.12E-04	3.10E-09	3.09E-06	2.13E-06	2.17E-04	2.69E-04	3.07E-03	2.32E-04	7.82E-05	3.65E-03
1976	494811.06	3859401.99	0.06153	0.10046	0.0362	0.02441	2.30E-04	3.00E-03	2.31E-04	7.71E-05	3.53E-03	2.09E-04	3.03E-09	3.08E-06	2.10E-06	2.14E-04	2.66E-04	3.00E-03	2.31E-04	7.71E-05	3.57E-03
1977	494861.06	3859401.99	0.06058	0.09758	0.0361	0.02408	2.26E-04	2.91E-03	2.30E-04	7.60E-05	3.44E-03	2.06E-04	2.95E-09	3.07E-06	2.07E-06	2.11E-04	2.61E-04	2.91E-03	2.30E-04	7.60E-05	3.48E-03
1978	494911.06	3859401.99	0.06002	0.09559	0.0359	0.02386	2.24E-04	2.85E-03	2.29E-04	7.53E-05	3.38E-03	2.04E-04	2.89E-09	3.05E-06	2.05E-06	2.09E-04	2.59E-04	2.85E-03	2.29E-04	7.53E-05	3.42E-03
1979	494961.06	3859401.99	0.05962	0.09469	0.0357	0.02362	2.22E-04	2.82E-03	2.28E-04	7.46E-05	3.35E-03	2.02E-04	2.86E-09	3.04E-06	2.03E-06	2.07E-04	2.57E-04	2.82E-03	2.28E-04	7.46E-05	3.38E-03
1980	495011.06	3859401.99	0.05938	0.0939	0.0356	0.02345	2.22E-04	2.80E-03	2.27E-04	7.40E-05	3.32E-03	2.02E-04	2.84E-09	3.03E-06	2.02E-06	2.07E-04	2.56E-04	2.80E-03	2.27E-04	7.40E-05	3.36E-03
1981	495061.06	3859401.99	0.0593	0.09324	0.0355	0.02336	2.21E-04	2.78E-03	2.26E-04	7.38E-05	3.30E-03	2.01E-04	2.82E-09	3.02E-06	2.01E-06	2.06E-04	2.56E-04	2.78E-03	2.26E-04	7.38E-05	3.34E-03
1982	495111.06	3859401.99	0.05876	0.09171	0.0353	0.02312	2.19E-04	2.74E-03	2.25E-04	7.30E-05	3.25E-03	1.99E-04	2.77E-09	3.00E-06	1.99E-06	2.04E-04	2.54E-04	2.74E-03	2.25E-04	7.30E-05	3.29E-03
1983	495161.06	3859401.99	0.05853	0.09128	0.0351	0.02292	2.18E-04	2.72E-03	2.24E-04	7.24E-05	3.24E-03	1.99E-04	2.76E-09	2.99E-06	1.97E-06	2.04E-04	2.53E-04	2.72E-03	2.24E-04	7.24E-05	3.27E-03
1984	495211.06	3859401.99	0.05845	0.09093	0.035	0.0228	2.18E-04	2.71E-03	2.23E-04	7.20E-05	3.23E-03	1.98E-04	2.75E-09	2.98E-06	1.96E-06	2.03E-04	2.52E-04	2.71E-03	2.23E-04	7.20E-05	3.26E-03
1985	495261.06	3859401.99	0.05819	0.09013	0.0349	0.02263	2.17E-04	2.69E-03	2.22E-04	7.15E-05	3.20E-03	1.98E-04	2.72E-09	2.97E-06	1.95E-06	2.02E-04	2.51E-04	2.69E-03	2.22E-04	7.15E-05	3.23E-03
1986	495311.06	3859401.99	0.05789	0.08924	0.0347	0.02246	2.16E-04	2.66E-03	2.22E-04	7.09E-05	3.17E-03	1.97E-04	2.69E-09	2.95E-06	1.93E-06	2.01E-04	2.50E-04	2.66E-03	2.22E-04	7.09E-05	3.20E-03
1987	495361.06	3859401.99	0.05787	0.08904	0.0347	0.02235	2.16E-04	2.66E-03	2.21E-04	7.06E-05	3.16E-03	1.96E-04	2.69E-09	2.95E-06	1.92E-06	2.01E-04	2.50E-04	2.66E-03	2.21E-04	7.06E-05	3.20E-03
1988	495411.06	3859401.99	0.05769	0.08843	0.0346	0.02221	2.15E-04	2.64E-03	2.20E-04	7.01E-05	3.14E-03	1.96E-04	2.67E-09	2.94E-06	1.91E-06	2.01E-04	2.49E-04	2.64E-03	2.20E-04	7.01E-05	3.18E-03
1989	495461.06	3859401.99	0.05733	0.08739	0.0344	0.02203	2.14E-04	2.61E-03	2.19E-04	6.96E-05	3.11E-03	1.95E-04	2.64E-09	2.93E-06	1.90E-06	1.99E-04	2.47E-04	2.61E-03	2.19E-04	6.96E-05	3.14E-03
1990	495511.06	3859401.99	0.05679	0.08594	0.0342	0.0218	2.12E-04	2.56E-03	2.18E-04	6.88E-05	3.06E-03	1.93E-04	2.60E-09	2.91E-06	1.88E-06	1.98E-04	2.45E-04	2.56E-03	2.18E-04	6.88E-05	3.10E-03
1991	495561.06	3859401.99	0.05614	0.08429	0.034	0.02155	2.09E-04	2.51E-03	2.17E-04	6.80E-05	3.01E-03	1.91E-04	2.55E-09	2.89E-06	1.86E-06	1.95E-04	2.42E-04	2.51E-03	2.17E-04	6.80E-05	3.04E-03
1992	495611.06	3859401.99	0.05579	0.08333	0.0338	0.02137	2.08E-04	2.49E-03	2.16E-04	6.75E-05	2.98E-03	1.89E-04	2.52E-09	2.88E-06	1.84E-06	1.94E-04	2.41E-04	2.49E-03	2.16E-04	6.75E-05	3.01E-03
1993	495661.06	3859401.99	0.05551	0.08253	0.0337	0.02121	2.07E-04	2.46E-03	2.15E-04	6.70E-05	2.95E-03	1.88E-04	2.49E-09	2.87E-06	1.83E-06	1.93E-04	2.40E-04	2.46E-03	2.15E-04	6.70E-05	2.98E-03
1994	494311.06	3859451.99	0.06599	0.12434	0.0348	0.02633	2.46E-04	3.71E-03	2.22E-04	8.31E-05	4.26E-03	2.24E-04	3.75E-09	2.96E-06	2.27E-06	2.29E-04	2.85E-04	3.71E-03	2.22E-04	8.31E-05	4.30E-03
1995	494361.06	3859451.99	0.06553	0.12171	0.035	0.02613	2.45E-04	3.63E-03	2.23E-04	8.25E-05	4.18E-03	2.22E-04	3.68E-09	2.97E-06	2.25E-06	2.28E-04	2.83E-04	3.63E-03	2.23E-04	8.25E-05	4.22E-03
1996	494411.06	3859451.99	0.06488	0.11802	0.0353	0.02591	2.42E-04	3.52E-03	2.25E-04	8.18E-05	4.07E-03	2.20E-04	3.56E-09	3.01E-06	2.23E-06	2.26E-04	2.80E-04	3.52E-03	2.25E-04	8.18E-05	4.11E-03
1997	494461.06	3859451.99	0.06461	0.11674	0.0353	0.02572	2.41E-04	3.48E-03	2.25E-04	8.12E-05	4.03E-03	2.19E-04	3.53E-09	3.00E-06	2.21E-06	2.25E-04	2.79E-04	3.48E-03	2.25E-04	8.12E-05	4.07E-03
1998	494511.06	3859451.99	0.06418	0.11463	0.0354	0.02551	2.39E-04	3.42E-03	2.25E-04	8.05E-05	3.97E-03	2.18E-04	3.46E-09	3.01E-06	2.20E-06	2.23E-04	2.77E-04	3.42E-03	2.25E-04	8.05E-05	4.00E-03
1999	494561.06	3859451.99	0.06382	0.11291	0.0354	0.02531	2.38E-04	3.37E-03	2.25E-04	7.99E-05	3.91E-03	2.17E-04	3.41E-09	3.01E-06	2.18E-06	2.22E-04	2.75E-04	3.37E-03	2.25E-04	7.99E-05	3.95E-03
2000	494611.06	3859451.99	0.06358	0.11185	0.0353	0.02513	2.37E-04	3.34E-03	2.25E-04	7.93E-05	3.88E-03	2.16E-04	3.38E-09	3.00E-06	2.16E-06	2.21E-04	2.74E-04	3.34E-03	2.25E-04	7.93E-05	3.92E-03
2001	494661.06	3859451.99	0.06309	0.10965	0.0353	0.02491	2.35E-04	3.27E-03	2.25E-04	7.87E-05	3.81E-03	2.14E-04	3.31E-09	3.00E-06	2.15E-06	2.19E-04	2.72E-04	3.27E-03	2.25E-04	7.87E-05	3.85E-03
2002	494711.06	3859451.99	0.06258	0.10747	0.0353	0.02469	2.34E-04	3.21E-03	2.25E-04	7.80E-05	3.74E-03	2.12E-04	3.25E-09	3.01E-06	2.13E-06	2.18E-04	2.70E-04	3.21E-03	2.25E-04	7.80E-05	3.78E-03
2003	494761.06	3859451.99	0.06213	0.10567	0.0353	0.02448	2.32E-04	3.15E-03	2.25E-04	7.73E-05	3.69E-03	2.11E-04	3.19E-09	3.00E-06	2.11E-06	2.16E-04	2.68E-04	3.15E-03	2.25E-04	7.73E-05	3.72E-03
2004	494811.06	3859451.99	0.06143	0.10301	0.0353	0.02421	2.29E-04	3.07E-03	2.25E-04	7.64E-05	3.60E-03	2.09E-04	3.11E-09	3.00E-06	2.08E-06	2.14E-04	2.65E-04	3.07E-03	2.25E-04	7.64E-05	3.64E-03
2005	494861.06	3859451.99	0.06082	0.10084	0.0353	0.02397	2.27E-04	3.01E-03	2.25E-04	7.57E-05	3.54E-03	2.06E-04	3.05E-09	3.00E-06	2.06E-06	2.12E-04	2.62E-04	3.01E-03	2.25E-04	7.57E-05	3.57E-03
2006	494911.06	3859451.99	0.06034	0.09919	0.0352	0.02374	2.25E-04	2.96E-03	2.24E-04	7.50E-05	3.48E-03	2.05E-04	3.00E-09	2.99E-06	2.04E-06	2.10E-04	2.60E-04	2.96E-03	2.24E-04	7.50E-05	3.52E-03
2007	494961.06	3859451.99	0.06005	0.09817	0.035	0.02356	2.24E-04	2.93E-03	2.23E-04	7.44E-05	3.45E-03	2.04E-04	2.96E-09	2.98E-06	2.03E-06	2.09E-04	2.59E-04	2.93E-03	2.23E-04	7.44E-05	3.49E-03
2008	495011.06	3859451.99	0.05968	0.09693	0.0349	0.02337	2.23E-04	2.89E-03	2.23E-04	7.38E-05	3.41E-03	2.03E-04	2.93E-09	2.97E-06	2.01E-06	2.08E-04	2.58E-04	2.89E-03	2.23E-04	7.38E-05	3.45E-03
2009	495061.06	3859451.99	0.05931	0.09571	0.0348	0.02317	2.21E-04	2.86E-03	2.22E-04	7.32E-05	3.37E-03	2.01E-04	2.89E-09	2.96E-06	2.00E-06	2.06E-04	2.56E-04	2.86E-03	2.22E-04	7.32E-05	3.41E-03

2010	495111.06	3859451.99	0.05892	0.09447	0.0346	0.02298	2.20E-04	2.82E-03	2.21E-04	7.26E-05	3.33E-03	2.00E-04	2.85E-09	2.94E-06	1.98E-06	2.05E-04	2.54E-04	2.82E-03	2.21E-04	7.26E-05	3.37E-03
2011	495161.06	3859451.99	0.05873	0.09383	0.0345	0.02283	2.19E-04	2.80E-03	2.20E-04	7.21E-05	3.31E-03	1.99E-04	2.83E-09	2.93E-06	1.97E-06	2.04E-04	2.53E-04	2.80E-03	2.20E-04	7.21E-05	3.34E-03
2012	495211.06	3859451.99	0.05861	0.09338	0.0344	0.0227	2.19E-04	2.79E-03	2.19E-04	7.17E-05	3.30E-03	1.99E-04	2.82E-09	2.92E-06	1.95E-06	2.04E-04	2.53E-04	2.79E-03	2.19E-04	7.17E-05	3.33E-03
2013	495261.06	3859451.99	0.05846	0.09286	0.0342	0.02256	2.18E-04	2.77E-03	2.18E-04	7.12E-05	3.28E-03	1.98E-04	2.80E-09	2.91E-06	1.94E-06	2.03E-04	2.52E-04	2.77E-03	2.18E-04	7.12E-05	3.31E-03
2014	495311.06	3859451.99	0.05815	0.09189	0.0341	0.02239	2.17E-04	2.74E-03	2.18E-04	7.07E-05	3.25E-03	1.97E-04	2.77E-09	2.90E-06	1.93E-06	2.02E-04	2.51E-04	2.74E-03	2.18E-04	7.07E-05	3.28E-03
2015	495361.06	3859451.99	0.05791	0.09112	0.034	0.02224	2.16E-04	2.72E-03	2.17E-04	7.02E-05	3.22E-03	1.97E-04	2.75E-09	2.89E-06	1.92E-06	2.01E-04	2.50E-04	2.72E-03	2.17E-04	7.02E-05	3.26E-03
2016	495411.06	3859451.99	0.05759	0.09013	0.0339	0.02206	2.15E-04	2.69E-03	2.16E-04	6.97E-05	3.19E-03	1.96E-04	2.72E-09	2.88E-06	1.90E-06	2.00E-04	2.49E-04	2.69E-03	2.16E-04	6.97E-05	3.22E-03
2017	495461.06	3859451.99	0.05734	0.08934	0.0337	0.02191	2.14E-04	2.67E-03	2.15E-04	6.92E-05	3.16E-03	1.95E-04	2.70E-09	2.87E-06	1.89E-06	1.99E-04	2.47E-04	2.67E-03	2.15E-04	6.92E-05	3.20E-03
2018	495511.06	3859451.99	0.05674	0.08763	0.0336	0.02167	2.12E-04	2.61E-03	2.14E-04	6.84E-05	3.11E-03	1.93E-04	2.65E-09	2.86E-06	1.87E-06	1.97E-04	2.45E-04	2.61E-03	2.14E-04	6.84E-05	3.14E-03
2019	495561.06	3859451.99	0.05636	0.08653	0.0334	0.02149	2.10E-04	2.58E-03	2.13E-04	6.79E-05	3.07E-03	1.91E-04	2.61E-09	2.84E-06	1.85E-06	1.96E-04	2.43E-04	2.58E-03	2.13E-04	6.79E-05	3.11E-03
2020	495611.06	3859451.99	0.056	0.08548	0.0333	0.02131	2.09E-04	2.55E-03	2.12E-04	6.73E-05	3.04E-03	1.90E-04	2.58E-09	2.83E-06	1.84E-06	1.95E-04	2.42E-04	2.55E-03	2.12E-04	6.73E-05	3.07E-03
2021	495661.06	3859451.99	0.05566	0.0845	0.0331	0.02114	2.08E-04	2.52E-03	2.11E-04	6.67E-05	3.01E-03	1.89E-04	2.55E-09	2.82E-06	1.82E-06	1.94E-04	2.40E-04	2.52E-03	2.11E-04	6.67E-05	3.04E-03
2022	494311.06	3859501.99	0.06515	0.12635	0.0334	0.02585	2.43E-04	3.77E-03	2.13E-04	8.16E-05	4.31E-03	2.21E-04	3.82E-09	2.84E-06	2.23E-06	2.26E-04	2.81E-04	3.77E-03	2.13E-04	8.16E-05	4.35E-03
2023	494361.06	3859501.99	0.06473	0.12366	0.0336	0.02567	2.42E-04	3.69E-03	2.15E-04	8.10E-05	4.23E-03	2.20E-04	3.73E-09	2.86E-06	2.21E-06	2.25E-04	2.79E-04	3.69E-03	2.15E-04	8.10E-05	4.26E-03
2024	494411.06	3859501.99	0.06401	0.11918	0.0342	0.02548	2.39E-04	3.56E-03	2.18E-04	8.04E-05	4.09E-03	2.17E-04	3.60E-09	2.91E-06	2.19E-06	2.22E-04	2.76E-04	3.56E-03	2.18E-04	8.04E-05	4.13E-03
2025	494461.06	3859501.99	0.06394	0.11898	0.034	0.0253	2.39E-04	3.55E-03	2.17E-04	7.99E-05	4.08E-03	2.17E-04	3.59E-09	2.89E-06	2.18E-06	2.22E-04	2.76E-04	3.55E-03	2.17E-04	7.99E-05	4.12E-03
2026	494511.06	3859501.99	0.0635	0.11653	0.0341	0.02511	2.37E-04	3.48E-03	2.18E-04	7.93E-05	4.01E-03	2.16E-04	3.52E-09	2.90E-06	2.16E-06	2.21E-04	2.74E-04	3.48E-03	2.18E-04	7.93E-05	4.05E-03
2027	494561.06	3859501.99	0.06311	0.11449	0.0342	0.02492	2.35E-04	3.42E-03	2.18E-04	7.87E-05	3.95E-03	2.14E-04	3.46E-09	2.91E-06	2.15E-06	2.19E-04	2.72E-04	3.42E-03	2.18E-04	7.87E-05	3.98E-03
2028	494611.06	3859501.99	0.06307	0.11443	0.034	0.02476	2.35E-04	3.41E-03	2.17E-04	7.82E-05	3.94E-03	2.14E-04	3.46E-09	2.89E-06	2.13E-06	2.19E-04	2.72E-04	3.41E-03	2.17E-04	7.82E-05	3.98E-03
2029	494661.06	3859501.99	0.06257	0.11185	0.0342	0.02456	2.33E-04	3.34E-03	2.18E-04	7.75E-05	3.87E-03	2.12E-04	3.38E-09	2.91E-06	2.11E-06	2.17E-04	2.70E-04	3.34E-03	2.18E-04	7.75E-05	3.90E-03
2030	494711.06	3859501.99	0.06194	0.10886	0.0344	0.02434	2.31E-04	3.25E-03	2.19E-04	7.69E-05	3.77E-03	2.10E-04	3.29E-09	2.92E-06	2.10E-06	2.15E-04	2.67E-04	3.25E-03	2.19E-04	7.69E-05	3.81E-03
2031	494761.06	3859501.99	0.06179	0.10819	0.0342	0.02417	2.31E-04	3.23E-03	2.18E-04	7.63E-05	3.75E-03	2.10E-04	3.27E-09	2.91E-06	2.08E-06	2.15E-04	2.67E-04	3.23E-03	2.18E-04	7.63E-05	3.79E-03
2032	494811.06	3859501.99	0.06094	0.10455	0.0344	0.02391	2.27E-04	3.12E-03	2.20E-04	7.55E-05	3.64E-03	2.07E-04	3.16E-09	2.93E-06	2.06E-06	2.12E-04	2.63E-04	3.12E-03	2.20E-04	7.55E-05	3.68E-03
2033	494861.06	3859501.99	0.06057	0.10303	0.0344	0.02371	2.26E-04	3.07E-03	2.19E-04	7.49E-05	3.59E-03	2.06E-04	3.11E-09	2.92E-06	2.04E-06	2.11E-04	2.61E-04	3.07E-03	2.19E-04	7.49E-05	3.63E-03
2034	494911.06	3859501.99	0.06032	0.10205	0.0343	0.02354	2.25E-04	3.04E-03	2.19E-04	7.43E-05	3.56E-03	2.05E-04	3.08E-09	2.91E-06	2.03E-06	2.10E-04	2.60E-04	3.04E-03	2.19E-04	7.43E-05	3.60E-03
2035	494961.06	3859501.99	0.05984	0.10021	0.0342	0.02333	2.23E-04	2.99E-03	2.18E-04	7.37E-05	3.50E-03	2.03E-04	3.03E-09	2.91E-06	2.01E-06	2.08E-04	2.58E-04	2.99E-03	2.18E-04	7.37E-05	3.54E-03
2036	495011.06	3859501.99	0.0596	0.09931	0.0341	0.02317	2.22E-04	2.96E-03	2.18E-04	7.32E-05	3.48E-03	2.02E-04	3.00E-09	2.90E-06	2.00E-06	2.07E-04	2.57E-04	2.96E-03	2.18E-04	7.32E-05	3.51E-03
2037	495061.06	3859501.99	0.05936	0.09845	0.034	0.02301	2.21E-04	2.94E-03	2.17E-04	7.27E-05	3.45E-03	2.02E-04	2.97E-09	2.89E-06	1.98E-06	2.06E-04	2.56E-04	2.94E-03	2.17E-04	7.27E-05	3.48E-03
2038	495111.06	3859501.99	0.05888	0.09674	0.0339	0.0228	2.20E-04	2.89E-03	2.16E-04	7.20E-05	3.39E-03	2.00E-04	2.92E-09	2.88E-06	1.96E-06	2.05E-04	2.54E-04	2.89E-03	2.16E-04	7.20E-05	3.43E-03
2039	495161.06	3859501.99	0.05866	0.09597	0.0338	0.02264	2.19E-04	2.86E-03	2.15E-04	7.15E-05	3.37E-03	1.99E-04	2.90E-09	2.87E-06	1.95E-06	2.04E-04	2.53E-04	2.86E-03	2.15E-04	7.15E-05	3.40E-03
2040	495211.06	3859501.99	0.05855	0.09556	0.0336	0.02251	2.18E-04	2.85E-03	2.14E-04	7.11E-05	3.35E-03	1.99E-04	2.89E-09	2.86E-06	1.94E-06	2.04E-04	2.53E-04	2.85E-03	2.14E-04	7.11E-05	3.39E-03
2041	495261.06	3859501.99	0.05832	0.09478	0.0335	0.02236	2.18E-04	2.83E-03	2.14E-04	7.06E-05	3.33E-03	1.98E-04	2.86E-09	2.85E-06	1.93E-06	2.03E-04	2.52E-04	2.83E-03	2.14E-04	7.06E-05	3.36E-03
2042	495311.06	3859501.99	0.05814	0.09416	0.0334	0.02222	2.17E-04	2.81E-03	2.13E-04	7.02E-05	3.31E-03	1.97E-04	2.84E-09	2.84E-06	1.91E-06	2.02E-04	2.51E-04	2.81E-03	2.13E-04	7.02E-05	3.34E-03
2043	495361.06	3859501.99	0.05787	0.09325	0.0333	0.02207	2.16E-04	2.78E-03	2.12E-04	6.97E-05	3.28E-03	1.96E-04	2.82E-09	2.83E-06	1.90E-06	2.01E-04	2.50E-04	2.78E-03	2.12E-04	6.97E-05	3.31E-03
2044	495411.06	3859501.99	0.05762	0.09247	0.0331	0.02192	2.15E-04	2.76E-03	2.11E-04	6.92E-05	3.25E-03	1.96E-04	2.79E-09	2.82E-06	1.89E-06	2.00E-04	2.49E-04	2.76E-03	2.11E-04	6.92E-05	3.29E-03
2045	495461.06	3859501.99	0.0573	0.09137	0.033	0.02175	2.14E-04	2.73E-03	2.11E-04	6.87E-05	3.22E-03	1.95E-04	2.76E-09	2.81E-06	1.87E-06	1.99E-04	2.47E-04	2.73E-03	2.11E-04	6.87E-05	3.25E-03
2046	495511.06	3859501.99	0.05669	0.08917	0.033	0.02156	2.12E-04	2.66E-03	2.10E-04	6.81E-05	3.15E-03	1.92E-04	2.69E-09	2.80E-06	1.86E-06	1.97E-04	2.45E-04	2.66E-03	2.10E-04	6.81E-05	3.18E-03
2047	495561.06	3859501.99	0.05647	0.08874	0.0328	0.02138	2.11E-04	2.65E-03	2.09E-04	6.75E-05	3.13E-03	1.92E-04	2.68E-09	2.79E-06	1.84E-06	1.96E-04	2.44E-04	2.65E-03	2.09E-04	6.75E-05	3.17E-03
2048	495611.06	3859501.99	0.05608	0.08757	0.0327	0.0212	2.09E-04	2.61E-03	2.08E-04	6.69E-05	3.10E-03	1.90E-04	2.64E-09	2.78E-06	1.83E-06	1.95E-04	2.42E-04	2.61E-03	2.08E-04	6.69E-05	3.13E-03
2049	495661.06	3859501.99	0.05565	0.08629	0.0325	0.02102	2.08E-04	2.57E-03	2.08E-04	6.64E-05	3.06E-03	1.89E-04	2.61E-09	2.77E-06	1.81E-06	1.94E-04	2.40E-04	2.57E-03	2.08E-04	6.64E-05	3.09E-03
2050	494311.06	3859551.99	0.06427	0.12805	0.032	0.02535	2.40E-04	3.82E-03	2.04E-04	8.00E-05	4.34E-03	2.18E-04	3.87E-09	2.72E-06	2.18E-06	2.23E-04	2.77E-04	3.82E-03	2.04E-04	8.00E-05	4.38E-03
2051	494361.06	3859551.99	0.06386	0.12484	0.0323	0.02521	2.38E-04	3.72E-03	2.06E-04	7.96E-05	4.25E-03	2.17E-04	3.77E-09	2.75E-06	2.17E-06	2.22E-04	2.76E-04	3.72E-03	2.06E-04	7.96E-05	4.29E-03
2052	494411.06	3859551.99	0.06317	0.12018	0.033	0.02503	2.36E-04	3.59E-03	2.10E-04	7.90E-05	4.11E-03	2.14E-04	3.63E-09	2.81E-06	2.16E-06	2.19E-04	2.73E-04	3.59E-03	2.10E-04	7.90E-05	4.15E-03
2053	494461.06	3859551.99	0.06315	0.12068	0.0327	0.02485	2.36E-04	3.60E-03	2.09E-04	7.85E-05	4.12E-03	2.14E-04	3.64E-09	2.78E-06	2.14E-06	2.19E-04	2.72E-04	3.60E-03	2.09E-04	7.85E-05	4.16E-03
2054	494511.06	3859551.99	0.06276	0.11832	0.0329	0.02467	2.34E-04	3.53E-03	2.10E-04	7.79E-05	4.05E-03	2.13E-04	3.57E-09	2.80E-06	2.12E-06	2.18E-04	2.71E-04	3.53E-03	2.10E-04	7.79E-05	4.09E-03
2055	494561.06	3859551.99	0.06244	0.11652	0.033	0.02449	2.33E-04	3.48E-03	2.10E-04	7.73E-05	4.00E-03	2.12E-04	3.52E-09	2.80E-06	2.11E-06	2.17E-04	2.69E-04	3.48E-03	2.10E-04	7.73E-05	4.03E-03
2056	494611.06	3859551.99	0.06223	0.11549	0.0329	0.02433	2.32E-04	3.45E-03	2.10E-04	7.68E-05	3.96E-03	2.11E-04	3.49E-09	2.80E-06	2.10E-06	2.16E-04	2.69E-04	3.45E-03	2.10E-04	7.68E-05	4.00E-03
2057	494661.06	3859551.99	0.06195	0.11398	0.0329	0.02415	2.31E-04	3.40E-03	2.10E-04	7.63E-05	3.92E-03	2.10E-04	3.44E-09	2.80E-06	2.08E-06	2.15E-04	2.67E-04	3.40E-03	2.10E-04	7.63E-05	3.95E-03
2058	494711.06	3859551.99	0.06113	0.10948	0.0335	0.02393	2.28E-04	3.27E-03	2.13E-04	7.56E-05	3.78E-03	2.08E-04	3.31E-09	2.85E-06	2.06E-06	2.12E-04	2.64E-04	3.27E-03	2.13E-04	7.56E-05	3.82E-03
2059	494761.06	3859551.99	0.06123	0.11011	0.0331	0.0238	2.28E-04	3.28E-03	2.11E-04	7.51E-05	3.80E-03	2.08E-04	3.33E-09	2.82E-06	2.05E-06	2.13E-04	2.64E-04	3.28E-03	2.11E-04	7.51E-05	3.84E-03
2060	494811.06	3859551.99	0.06059	0.10695	0.0334	0.02359	2.26E-04	3.19E-03	2.13E-04	7.45E-05	3.70E-03	2.06E-04	3.23E-09	2.84E-06	2.03E-06	2.11E-04	2.61E-04	3.19E-03	2.13E-04	7.45E-05	3.74E-03
2061	494861.06	3859551.99	0.06027	0.10549	0.0334	0.02341	2.25E-04	3.15E-03	2.13E-04	7.39E-05	3.66E-03	2.05E-04	3.19E-09	2.84E-06	2.02E-06	2.09E-04	2.60E-04	3.15E-03	2.13E-04	7.39E-05	3.69E-03
2062	494911.06	3859551.99	0.05988	0.10375	0.0334	0.02322	2.23E-04	3.10E-03	2.13E-04	7.33E-05	3.60E-03	2.03E-04	3.13E-09	2.84E-06	2.00E-06	2.08E-04	2.58E-04	3.10E-03	2.13E-04	7.33E-05	3.64E-03
2063	494961.06	3859551.99	0.05966	0.10282	0.0333	0.02307	2.23E-04	3.07E-03	2.12E-04	7.28E-05	3.58E-03	2.03E-04	3.10E-09	2.83E-06	1.99E-06	2.07E-04	2.57E-04	3.07E-03	2.12E-04	7.28E-05	3.61E-03
2064	495011.06	3859551.99	0.05949	0.10211	0.0331	0.02292	2.22E-04	3.05E-03	2.11E-04	7.24E-05	3.55E-03	2.02E-04	3.08E-09	2.82E-06	1.97E-06	2.07E-04	2.57E-04	3.05E-03	2.11E-04	7.24E-05	3.59E-03
2065	495061.06	3859551.99	0.05917	0.10082	0.0331	0.02275	2.21E-04	3.01E-03	2.11E-04	7.18E-05	3.51E-03	2.01E-04	3.04E-09	2.81E-06	1.96E-06	2.06E-04	2.55E-04	3.01E-03	2.11E-04	7.18E-05	3.55E-03
2066	495111.06	3859551.99	0.05877	0.09922	0.033	0.02257	2.19E-04	2.96E-03	2.11E-04	7.13E-05	3.46E-03	2.00E-04	3.00E-09	2.81E-06	1.94E-06	2.04E-04	2.54E-04	2.96E-03	2.11E-04	7.13E-05	3.50E-03
2067	495161.06	3859551.99	0.0586	0.09857	0.0329	0.02243	2.19E-04	2.94E-03	2.10E-04	7.08E-05	3.44E-03	1.99E-04	2.98E-09	2.80E-06	1.93E-06	2.04E-04	2.53E-04	2.94E-03	2.10E-04	7.08E-05	3.47E-03
2068	495211.06	3859551.99	0.05848	0.09815	0.0328	0.0223	2.18E-04	2.93E-03	2.09E-04	7.04E-05	3.43E-03	1.99E-04	2.96E-09	2.79E-06	1.92E-06	2.03E-04	2.52E-04	2.93E-03	2.09E-04	7.04E-05	3.46E-03
2069	495261.06	3859551.99	0.05815	0.09688	0.0327	0.02213	2.17E-04	2.89E-03	2.09E-04	6.99E-05	3.39E-03	1.97E-04	2.93E-09	2.78E-06	1.91E-06	2.02E-04	2.51E-04	2.89E-03	2.09E-04	6.99E-05	3.42E-03
2070	495311.06	3859551.99	0.05788	0.09588	0.0326	0.02198	2.16E-04	2.86E-03	2.08E-04	6.94E-05	3.35E-03	1.97E-04	2.90E-09	2.77E-06	1.89E-06	2.01E-04	2.50E-04	2.86E-03	2.08E-04	6.94E-05	3.39E-03

2071	495361.06	3859551.99	0.05765	0.09509	0.0325	0.02183	2.15E-04	2.84E-03	2.07E-04	6.89E-05	3.33E-03	1.96E-04	2.87E-09	2.76E-06	1.88E-06	2.00E-04	2.49E-04	2.84E-03	2.07E-04	6.89E-05	3.36E-03
2072	495411.06	3859551.99	0.05748	0.09448	0.0324	0.0217	2.14E-04	2.82E-03	2.06E-04	6.85E-05	3.31E-03	1.95E-04	2.85E-09	2.75E-06	1.87E-06	2.00E-04	2.48E-04	2.82E-03	2.06E-04	6.85E-05	3.34E-03
2073	495461.06	3859551.99	0.05704	0.09291	0.0323	0.02152	2.13E-04	2.77E-03	2.06E-04	6.79E-05	3.26E-03	1.94E-04	2.81E-09	2.75E-06	1.85E-06	1.98E-04	2.46E-04	2.77E-03	2.06E-04	6.79E-05	3.29E-03
2074	495511.06	3859551.99	0.05657	0.0913	0.0322	0.02133	2.11E-04	2.72E-03	2.06E-04	6.73E-05	3.21E-03	1.92E-04	2.76E-09	2.74E-06	1.84E-06	1.97E-04	2.44E-04	2.72E-03	2.06E-04	6.73E-05	3.24E-03
2075	495561.06	3859551.99	0.05628	0.09033	0.0321	0.02118	2.10E-04	2.69E-03	2.05E-04	6.69E-05	3.18E-03	1.91E-04	2.73E-09	2.73E-06	1.82E-06	1.96E-04	2.43E-04	2.69E-03	2.05E-04	6.69E-05	3.21E-03
2076	495611.06	3859551.99	0.05597	0.08933	0.032	0.02102	2.09E-04	2.67E-03	2.04E-04	6.64E-05	3.14E-03	1.90E-04	2.70E-09	2.72E-06	1.81E-06	1.95E-04	2.42E-04	2.67E-03	2.04E-04	6.64E-05	3.18E-03
2077	495661.06	3859551.99	0.05559	0.08808	0.0319	0.02085	2.07E-04	2.63E-03	2.04E-04	6.58E-05	3.10E-03	1.89E-04	2.66E-09	2.71E-06	1.80E-06	1.93E-04	2.40E-04	2.63E-03	2.04E-04	6.58E-05	3.14E-03
2078	494311.06	3859601.99	0.06344	0.13015	0.0305	0.02483	2.37E-04	3.88E-03	1.95E-04	7.84E-05	4.39E-03	2.15E-04	3.93E-09	2.60E-06	2.14E-06	2.20E-04	2.74E-04	3.88E-03	1.95E-04	7.84E-05	4.43E-03
2079	494361.06	3859601.99	0.06284	0.12503	0.0313	0.02471	2.34E-04	3.73E-03	1.99E-04	7.80E-05	4.24E-03	2.13E-04	3.78E-09	2.66E-06	2.13E-06	2.18E-04	2.71E-04	3.73E-03	1.99E-04	7.80E-05	4.28E-03
2080	494411.06	3859601.99	0.06239	0.12222	0.0316	0.02454	2.33E-04	3.65E-03	2.02E-04	7.75E-05	4.16E-03	2.12E-04	3.69E-09	2.69E-06	2.11E-06	2.17E-04	2.69E-04	3.65E-03	2.02E-04	7.75E-05	4.19E-03
2081	494461.06	3859601.99	0.06235	0.12242	0.0313	0.02436	2.33E-04	3.65E-03	2.00E-04	7.69E-05	4.16E-03	2.12E-04	3.70E-09	2.66E-06	2.10E-06	2.16E-04	2.69E-04	3.65E-03	2.00E-04	7.69E-05	4.20E-03
2082	494511.06	3859601.99	0.06187	0.11917	0.0317	0.0242	2.31E-04	3.56E-03	2.02E-04	7.64E-05	4.06E-03	2.10E-04	3.60E-09	2.70E-06	2.08E-06	2.15E-04	2.67E-04	3.56E-03	2.02E-04	7.64E-05	4.10E-03
2083	494561.06	3859601.99	0.06178	0.1189	0.0316	0.02403	2.31E-04	3.55E-03	2.01E-04	7.59E-05	4.05E-03	2.10E-04	3.59E-09	2.68E-06	2.07E-06	2.15E-04	2.67E-04	3.55E-03	2.01E-04	7.59E-05	4.09E-03
2084	494611.06	3859601.99	0.0616	0.11797	0.0315	0.02387	2.30E-04	3.52E-03	2.01E-04	7.54E-05	4.03E-03	2.09E-04	3.56E-09	2.68E-06	2.06E-06	2.14E-04	2.66E-04	3.52E-03	2.01E-04	7.54E-05	4.06E-03
2085	494661.06	3859601.99	0.0611	0.11441	0.0319	0.02372	2.28E-04	3.41E-03	2.03E-04	7.49E-05	3.92E-03	2.07E-04	3.45E-09	2.71E-06	2.04E-06	2.12E-04	2.64E-04	3.41E-03	2.03E-04	7.49E-05	3.96E-03
2086	494711.06	3859601.99	0.06054	0.11141	0.0323	0.02353	2.26E-04	3.32E-03	2.06E-04	7.43E-05	3.83E-03	2.06E-04	3.36E-09	2.74E-06	2.03E-06	2.10E-04	2.61E-04	3.32E-03	2.06E-04	7.43E-05	3.87E-03
2087	494761.06	3859601.99	0.06073	0.11285	0.0318	0.02339	2.27E-04	3.37E-03	2.03E-04	7.39E-05	3.87E-03	2.06E-04	3.41E-09	2.70E-06	2.01E-06	2.11E-04	2.62E-04	3.37E-03	2.03E-04	7.39E-05	3.91E-03
2088	494811.06	3859601.99	0.06015	0.10948	0.0321	0.02322	2.24E-04	3.27E-03	2.05E-04	7.33E-05	3.77E-03	2.04E-04	3.31E-09	2.73E-06	2.00E-06	2.09E-04	2.60E-04	3.27E-03	2.05E-04	7.33E-05	3.80E-03
2089	494861.06	3859601.99	0.0599	0.10817	0.0321	0.02306	2.24E-04	3.23E-03	2.05E-04	7.28E-05	3.73E-03	2.03E-04	3.27E-09	2.73E-06	1.99E-06	2.08E-04	2.58E-04	3.23E-03	2.05E-04	7.28E-05	3.76E-03
2090	494911.06	3859601.99	0.05943	0.10576	0.0323	0.02288	2.22E-04	3.16E-03	2.06E-04	7.22E-05	3.66E-03	2.02E-04	3.19E-09	2.75E-06	1.97E-06	2.06E-04	2.56E-04	3.16E-03	2.06E-04	7.22E-05	3.69E-03
2091	494961.06	3859601.99	0.05944	0.10597	0.032	0.02275	2.22E-04	3.16E-03	2.04E-04	7.18E-05	3.66E-03	2.02E-04	3.20E-09	2.72E-06	1.96E-06	2.06E-04	2.56E-04	3.16E-03	2.04E-04	7.18E-05	3.69E-03
2092	495011.06	3859601.99	0.05893	0.10347	0.0322	0.02257	2.20E-04	3.09E-03	2.05E-04	7.13E-05	3.58E-03	2.00E-04	3.12E-09	2.74E-06	1.94E-06	2.05E-04	2.54E-04	3.09E-03	2.05E-04	7.13E-05	3.62E-03
2093	495061.06	3859601.99	0.05884	0.10312	0.032	0.02243	2.20E-04	3.08E-03	2.04E-04	7.08E-05	3.57E-03	2.00E-04	3.11E-09	2.72E-06	1.93E-06	2.04E-04	2.54E-04	3.08E-03	2.04E-04	7.08E-05	3.61E-03
2094	495111.06	3859601.99	0.05845	0.10135	0.0321	0.02226	2.18E-04	3.02E-03	2.05E-04	7.03E-05	3.52E-03	1.98E-04	3.06E-09	2.73E-06	1.92E-06	2.03E-04	2.52E-04	3.02E-03	2.05E-04	7.03E-05	3.55E-03
2095	495161.06	3859601.99	0.05831	0.10077	0.032	0.02213	2.18E-04	3.01E-03	2.04E-04	6.99E-05	3.50E-03	1.98E-04	3.04E-09	2.72E-06	1.91E-06	2.03E-04	2.52E-04	3.01E-03	2.04E-04	6.99E-05	3.53E-03
2096	495211.06	3859601.99	0.05807	0.09978	0.0319	0.02198	2.17E-04	2.98E-03	2.03E-04	6.94E-05	3.47E-03	1.97E-04	3.01E-09	2.71E-06	1.89E-06	2.02E-04	2.51E-04	2.98E-03	2.03E-04	6.94E-05	3.50E-03
2097	495261.06	3859601.99	0.05788	0.09902	0.0318	0.02185	2.16E-04	2.95E-03	2.03E-04	6.90E-05	3.44E-03	1.97E-04	2.99E-09	2.70E-06	1.88E-06	2.01E-04	2.50E-04	2.95E-03	2.03E-04	6.90E-05	3.48E-03
2098	495311.06	3859601.99	0.0577	0.09835	0.0317	0.02171	2.15E-04	2.93E-03	2.02E-04	6.85E-05	3.42E-03	1.96E-04	2.97E-09	2.69E-06	1.87E-06	2.00E-04	2.49E-04	2.93E-03	2.02E-04	6.85E-05	3.45E-03
2099	495361.06	3859601.99	0.05743	0.09727	0.0316	0.02157	2.14E-04	2.90E-03	2.02E-04	6.81E-05	3.39E-03	1.95E-04	2.94E-09	2.69E-06	1.86E-06	2.00E-04	2.48E-04	2.90E-03	2.02E-04	6.81E-05	3.42E-03
2100	495411.06	3859601.99	0.05724	0.09656	0.0315	0.02144	2.14E-04	2.88E-03	2.01E-04	6.77E-05	3.36E-03	1.94E-04	2.92E-09	2.68E-06	1.85E-06	1.99E-04	2.47E-04	2.88E-03	2.01E-04	6.77E-05	3.40E-03
2101	495461.06	3859601.99	0.05675	0.0946	0.0315	0.02126	2.12E-04	2.82E-03	2.01E-04	6.71E-05	3.30E-03	1.93E-04	2.86E-09	2.68E-06	1.83E-06	1.97E-04	2.45E-04	2.82E-03	2.01E-04	6.71E-05	3.34E-03
2102	495511.06	3859601.99	0.0563	0.09288	0.0315	0.02108	2.10E-04	2.77E-03	2.01E-04	6.66E-05	3.25E-03	1.91E-04	2.80E-09	2.68E-06	1.82E-06	1.96E-04	2.43E-04	2.77E-03	2.01E-04	6.66E-05	3.28E-03
2103	495561.06	3859601.99	0.05618	0.0925	0.0314	0.02097	2.10E-04	2.76E-03	2.00E-04	6.62E-05	3.24E-03	1.91E-04	2.79E-09	2.67E-06	1.81E-06	1.95E-04	2.42E-04	2.76E-03	2.00E-04	6.62E-05	3.27E-03
2104	495611.06	3859601.99	0.05565	0.09056	0.0314	0.02078	2.08E-04	2.70E-03	2.00E-04	6.56E-05	3.18E-03	1.89E-04	2.73E-09	2.67E-06	1.79E-06	1.93E-04	2.40E-04	2.70E-03	2.00E-04	6.56E-05	3.21E-03
2105	495661.06	3859601.99	0.05545	0.08988	0.0313	0.02065	2.07E-04	2.68E-03	1.99E-04	6.52E-05	3.15E-03	1.88E-04	2.71E-09	2.66E-06	1.78E-06	1.93E-04	2.39E-04	2.68E-03	1.99E-04	6.52E-05	3.19E-03
2106	494311.06	3859651.99	0.06249	0.13067	0.0293	0.02432	2.33E-04	3.90E-03	1.87E-04	7.68E-05	4.40E-03	2.12E-04	3.95E-09	2.49E-06	2.09E-06	2.17E-04	2.70E-04	3.90E-03	1.87E-04	7.68E-05	4.43E-03
2107	494361.06	3859651.99	0.06193	0.12603	0.03	0.0242	2.31E-04	3.76E-03	1.91E-04	7.64E-05	4.26E-03	2.10E-04	3.81E-09	2.55E-06	2.08E-06	2.15E-04	2.67E-04	3.76E-03	1.91E-04	7.64E-05	4.29E-03
2108	494411.06	3859651.99	0.06165	0.12425	0.0301	0.02404	2.30E-04	3.71E-03	1.92E-04	7.59E-05	4.20E-03	2.09E-04	3.75E-09	2.56E-06	2.07E-06	2.14E-04	2.66E-04	3.71E-03	1.92E-04	7.59E-05	4.24E-03
2109	494461.06	3859651.99	0.06158	0.12429	0.0299	0.02386	2.30E-04	3.71E-03	1.91E-04	7.53E-05	4.20E-03	2.09E-04	3.75E-09	2.54E-06	2.05E-06	2.14E-04	2.66E-04	3.71E-03	1.91E-04	7.53E-05	4.24E-03
2110	494511.06	3859651.99	0.06128	0.12233	0.0301	0.0237	2.29E-04	3.65E-03	1.92E-04	7.48E-05	4.14E-03	2.08E-04	3.69E-09	2.56E-06	2.04E-06	2.13E-04	2.64E-04	3.65E-03	1.92E-04	7.48E-05	4.18E-03
2111	494561.06	3859651.99	0.06107	0.12111	0.0301	0.02354	2.28E-04	3.61E-03	1.92E-04	7.43E-05	4.11E-03	2.07E-04	3.66E-09	2.56E-06	2.03E-06	2.12E-04	2.64E-04	3.61E-03	1.92E-04	7.43E-05	4.14E-03
2112	494611.06	3859651.99	0.06085	0.11978	0.0301	0.02339	2.27E-04	3.57E-03	1.92E-04	7.39E-05	4.07E-03	2.07E-04	3.62E-09	2.56E-06	2.01E-06	2.11E-04	2.63E-04	3.57E-03	1.92E-04	7.39E-05	4.10E-03
2113	494661.06	3859651.99	0.06033	0.11581	0.0307	0.02326	2.25E-04	3.46E-03	1.96E-04	7.34E-05	3.95E-03	2.05E-04	3.50E-09	2.61E-06	2.00E-06	2.09E-04	2.60E-04	3.46E-03	1.96E-04	7.34E-05	3.98E-03
2114	494711.06	3859651.99	0.06013	0.11467	0.0307	0.02311	2.24E-04	3.42E-03	1.96E-04	7.30E-05	3.91E-03	2.04E-04	3.46E-09	2.61E-06	1.99E-06	2.09E-04	2.59E-04	3.42E-03	1.96E-04	7.30E-05	3.95E-03
2115	494761.06	3859651.99	0.05994	0.11395	0.0306	0.02295	2.24E-04	3.40E-03	1.95E-04	7.25E-05	3.89E-03	2.03E-04	3.44E-09	2.60E-06	1.98E-06	2.08E-04	2.59E-04	3.40E-03	1.95E-04	7.25E-05	3.93E-03
2116	494811.06	3859651.99	0.05958	0.11172	0.0308	0.0228	2.22E-04	3.33E-03	1.97E-04	7.20E-05	3.82E-03	2.02E-04	3.37E-09	2.62E-06	1.96E-06	2.07E-04	2.57E-04	3.33E-03	1.97E-04	7.20E-05	3.86E-03
2117	494861.06	3859651.99	0.05938	0.11065	0.0308	0.02265	2.22E-04	3.30E-03	1.97E-04	7.15E-05	3.79E-03	2.02E-04	3.34E-09	2.62E-06	1.95E-06	2.06E-04	2.56E-04	3.30E-03	1.97E-04	7.15E-05	3.83E-03
2118	494911.06	3859651.99	0.0591	0.10907	0.0309	0.0225	2.21E-04	3.25E-03	1.97E-04	7.10E-05	3.74E-03	2.01E-04	3.29E-09	2.63E-06	1.94E-06	2.05E-04	2.55E-04	3.25E-03	1.97E-04	7.10E-05	3.78E-03
2119	494961.06	3859651.99	0.05888	0.1079	0.0309	0.02235	2.20E-04	3.22E-03	1.97E-04	7.06E-05	3.71E-03	2.00E-04	3.26E-09	2.63E-06	1.92E-06	2.04E-04	2.54E-04	3.22E-03	1.97E-04	7.06E-05	3.74E-03
2120	495011.06	3859651.99	0.05862	0.10645	0.0309	0.02221	2.19E-04	3.18E-03	1.97E-04	7.01E-05	3.66E-03	1.99E-04	3.21E-09	2.63E-06	1.91E-06	2.04E-04	2.53E-04	3.18E-03	1.97E-04	7.01E-05	3.70E-03
2121	495061.06	3859651.99	0.05844	0.1056	0.0309	0.02207	2.18E-04	3.15E-03	1.97E-04	6.97E-05	3.63E-03	1.98E-04	3.19E-09	2.62E-06	1.90E-06	2.03E-04	2.52E-04	3.15E-03	1.97E-04	6.97E-05	3.67E-03
2122	495111.06	3859651.99	0.05814	0.10406	0.0309	0.02192	2.17E-04	3.10E-03	1.97E-04	6.92E-05	3.59E-03	1.97E-04	3.14E-09	2.63E-06	1.89E-06	2.02E-04	2.51E-04	3.10E-03	1.97E-04	6.92E-05	3.62E-03
2123	495161.06	3859651.99	0.05791	0.103	0.0309	0.02178	2.16E-04	3.07E-03	1.97E-04	6.88E-05	3.55E-03	1.97E-04	3.11E-09	2.63E-06	1.88E-06	2.01E-04	2.50E-04	3.07E-03	1.97E-04	6.88E-05	3.59E-03
2124	495211.06	3859651.99	0.05773	0.1022	0.0308	0.02165	2.15E-04	3.05E-03	1.96E-04	6.84E-05	3.53E-03	1.96E-04	3.09E-09	2.62E-06	1.86E-06	2.00E-04	2.49E-04	3.05E-03	1.96E-04	6.84E-05	3.56E-03
2125	495261.06	3859651.99	0.05749	0.10108	0.0308	0.02151	2.15E-04	3.02E-03	1.96E-04	6.79E-05	3.49E-03	1.95E-04	3.05E-09	2.62E-06	1.85E-06	2.00E-04	2.48E-04	3.02E-03	1.96E-04	6.79E-05	3.53E-03
2126	495311.06	3859651.99	0.05728	0.10017	0.0307	0.02138	2.14E-04	2.99E-03	1.96E-04	6.75E-05	3.47E-03	1.94E-04	3.02E-09	2.61E-06	1.84E-06	1.99E-04	2.47E-04	2.99E-03	1.96E-04	6.75E-05	3.50E-03
2127	495361.06	3859651.99	0.05709	0.09936	0.0306	0.02125	2.13E-04	2.96E-03	1.95E-04	6.71E-05	3.44E-03	1.94E-04	3.00E-09	2.60E-06	1.83E-06	1.98E-04	2.46E-04	2.96E-03	1.95E-04	6.71E-05	3.47E-03
2128	495411.06	3859651.99	0.05684	0.09829	0.0306	0.02112	2.12E-04	2.93E-03	1.95E-04	6.67E-05	3.41E-03	1.93E-04	2.97E-09	2.60E-06	1.82E-06	1.97E-04	2.45E-04	2.93E-03	1.95E-04	6.67E-05	3.44E-03
2129	495461.06	3859651.99	0.05642	0.09638	0.0307	0.02096	2.11E-04	2.88E-03	1.96E-04	6.62E-05	3.35E-03	1.92E-04	2.91E-09	2.61E-06	1.80E-06	1.96E-04	2.43E-04	2.88E-03	1.96E-04	6.62E-05	3.38E-03
2130	495511.06	3859651.99	0.05604	0.09477	0.0307	0.02081	2.09E-04	2.83E-03	1.96E-04	6.57E-05	3.30E-03	1.90E-04	2.86E-09	2.61E-06	1.79E-06	1.95E-04	2.42E-04	2.83E-03	1.96E-04	6.57E-05	3.33E-03
2131	495561.06	3859651.99	0.05583	0.09398	0.0306	0.02068	2.08E-04	2.80E-03	1.95E-04	6.53E-05	3.27E-03	1.90E-04	2.84E-09	2.60E-06	1.78E-06	1.94E-04	2.41E-04	2.80E-03	1.95E-04	6.53E-05	3.31E-03

2132	495611.06	3859651.99	0.05553	0.09282	0.0306	0.02054	2.07E-04	2.77E-03	1.95E-04	6.49E-05	3.24E-03	1.89E-04	2.80E-09	2.60E-06	1.77E-06	1.93E-04	2.40E-04	2.77E-03	1.95E-04	6.49E-05	3.27E-03
2133	495661.06	3859651.99	0.0552	0.09154	0.0305	0.0204	2.06E-04	2.73E-03	1.95E-04	6.44E-05	3.20E-03	1.87E-04	2.76E-09	2.60E-06	1.76E-06	1.92E-04	2.38E-04	2.73E-03	1.95E-04	6.44E-05	3.23E-03
2134	494311.06	3859701.99	0.06135	0.12833	0.0286	0.02385	2.29E-04	3.83E-03	1.82E-04	7.53E-05	4.32E-03	2.08E-04	3.88E-09	2.43E-06	2.05E-06	2.13E-04	2.65E-04	3.83E-03	1.82E-04	7.53E-05	4.35E-03
2135	494361.06	3859701.99	0.06101	0.12627	0.0288	0.0237	2.28E-04	3.77E-03	1.84E-04	7.48E-05	4.25E-03	2.07E-04	3.81E-09	2.45E-06	2.04E-06	2.12E-04	2.63E-04	3.77E-03	1.84E-04	7.48E-05	4.29E-03
2136	494411.06	3859701.99	0.06082	0.1253	0.0288	0.02353	2.27E-04	3.74E-03	1.84E-04	7.43E-05	4.22E-03	2.06E-04	3.78E-09	2.45E-06	2.03E-06	2.11E-04	2.62E-04	3.74E-03	1.84E-04	7.43E-05	4.26E-03
2137	494461.06	3859701.99	0.06079	0.12597	0.0285	0.02334	2.27E-04	3.76E-03	1.82E-04	7.37E-05	4.24E-03	2.06E-04	3.80E-09	2.42E-06	2.01E-06	2.11E-04	2.62E-04	3.76E-03	1.82E-04	7.37E-05	4.28E-03
2138	494511.06	3859701.99	0.06053	0.12429	0.0286	0.02319	2.26E-04	3.71E-03	1.83E-04	7.32E-05	4.19E-03	2.06E-04	3.75E-09	2.43E-06	2.00E-06	2.10E-04	2.61E-04	3.71E-03	1.83E-04	7.32E-05	4.23E-03
2139	494561.06	3859701.99	0.06033	0.12317	0.0287	0.02303	2.25E-04	3.67E-03	1.83E-04	7.27E-05	4.16E-03	2.05E-04	3.72E-09	2.44E-06	1.98E-06	2.09E-04	2.60E-04	3.67E-03	1.83E-04	7.27E-05	4.19E-03
2140	494611.06	3859701.99	0.06012	0.12191	0.0287	0.02288	2.24E-04	3.64E-03	1.83E-04	7.22E-05	4.12E-03	2.04E-04	3.68E-09	2.44E-06	1.97E-06	2.09E-04	2.59E-04	3.64E-03	1.83E-04	7.22E-05	4.15E-03
2141	494661.06	3859701.99	0.05958	0.11757	0.0294	0.02277	2.22E-04	3.51E-03	1.87E-04	7.19E-05	3.99E-03	2.02E-04	3.55E-09	2.50E-06	1.96E-06	2.07E-04	2.57E-04	3.51E-03	1.87E-04	7.19E-05	4.02E-03
2142	494711.06	3859701.99	0.05947	0.11717	0.0292	0.02262	2.22E-04	3.50E-03	1.86E-04	7.14E-05	3.98E-03	2.02E-04	3.54E-09	2.49E-06	1.95E-06	2.06E-04	2.57E-04	3.50E-03	1.86E-04	7.14E-05	4.01E-03
2143	494761.06	3859701.99	0.05917	0.1152	0.0294	0.02248	2.21E-04	3.44E-03	1.88E-04	7.10E-05	3.92E-03	2.01E-04	3.48E-09	2.50E-06	1.94E-06	2.05E-04	2.55E-04	3.44E-03	1.88E-04	7.10E-05	3.95E-03
2144	494811.06	3859701.99	0.05886	0.11319	0.0296	0.02234	2.20E-04	3.38E-03	1.89E-04	7.05E-05	3.86E-03	2.00E-04	3.42E-09	2.52E-06	1.92E-06	2.04E-04	2.54E-04	3.38E-03	1.89E-04	7.05E-05	3.89E-03
2145	494861.06	3859701.99	0.05878	0.11297	0.0294	0.0222	2.19E-04	3.37E-03	1.88E-04	7.01E-05	3.85E-03	2.00E-04	3.41E-09	2.50E-06	1.91E-06	2.04E-04	2.54E-04	3.37E-03	1.88E-04	7.01E-05	3.88E-03
2146	494911.06	3859701.99	0.05852	0.11136	0.0295	0.02206	2.18E-04	3.32E-03	1.88E-04	6.97E-05	3.80E-03	1.99E-04	3.36E-09	2.51E-06	1.90E-06	2.03E-04	2.53E-04	3.32E-03	1.88E-04	6.97E-05	3.83E-03
2147	494961.06	3859701.99	0.05827	0.10982	0.0296	0.02193	2.17E-04	3.28E-03	1.89E-04	6.92E-05	3.75E-03	1.98E-04	3.32E-09	2.52E-06	1.89E-06	2.02E-04	2.51E-04	3.28E-03	1.89E-04	6.92E-05	3.79E-03
2148	495011.06	3859701.99	0.0581	0.10897	0.0296	0.02179	2.17E-04	3.25E-03	1.89E-04	6.88E-05	3.73E-03	1.97E-04	3.29E-09	2.52E-06	1.88E-06	2.02E-04	2.51E-04	3.25E-03	1.89E-04	6.88E-05	3.76E-03
2149	495061.06	3859701.99	0.05788	0.10773	0.0296	0.02166	2.16E-04	3.21E-03	1.89E-04	6.84E-05	3.69E-03	1.97E-04	3.25E-09	2.52E-06	1.87E-06	2.01E-04	2.50E-04	3.21E-03	1.89E-04	6.84E-05	3.72E-03
2150	495111.06	3859701.99	0.05765	0.10647	0.0297	0.02153	2.15E-04	3.18E-03	1.89E-04	6.80E-05	3.65E-03	1.96E-04	3.22E-09	2.52E-06	1.85E-06	2.00E-04	2.49E-04	3.18E-03	1.89E-04	6.80E-05	3.68E-03
2151	495161.06	3859701.99	0.0574	0.10508	0.0297	0.02139	2.14E-04	3.13E-03	1.89E-04	6.75E-05	3.61E-03	1.95E-04	3.17E-09	2.53E-06	1.84E-06	1.99E-04	2.48E-04	3.13E-03	1.89E-04	6.75E-05	3.64E-03
2152	495211.06	3859701.99	0.05713	0.10363	0.0298	0.02126	2.13E-04	3.09E-03	1.90E-04	6.71E-05	3.56E-03	1.94E-04	3.13E-09	2.53E-06	1.83E-06	1.98E-04	2.47E-04	3.09E-03	1.90E-04	6.71E-05	3.60E-03
2153	495261.06	3859701.99	0.05703	0.10329	0.0296	0.02114	2.13E-04	3.08E-03	1.89E-04	6.67E-05	3.55E-03	1.94E-04	3.12E-09	2.52E-06	1.82E-06	1.98E-04	2.46E-04	3.08E-03	1.89E-04	6.67E-05	3.58E-03
2154	495311.06	3859701.99	0.05678	0.10199	0.0297	0.02101	2.12E-04	3.04E-03	1.89E-04	6.63E-05	3.51E-03	1.93E-04	3.08E-09	2.52E-06	1.81E-06	1.97E-04	2.45E-04	3.04E-03	1.89E-04	6.63E-05	3.54E-03
2155	495361.06	3859701.99	0.05654	0.10075	0.0297	0.02088	2.11E-04	3.01E-03	1.89E-04	6.59E-05	3.47E-03	1.92E-04	3.04E-09	2.52E-06	1.80E-06	1.96E-04	2.44E-04	3.01E-03	1.89E-04	6.59E-05	3.50E-03
2156	495411.06	3859701.99	0.05622	0.09914	0.0297	0.02075	2.10E-04	2.96E-03	1.90E-04	6.55E-05	3.42E-03	1.91E-04	2.99E-09	2.53E-06	1.79E-06	1.95E-04	2.43E-04	2.96E-03	1.90E-04	6.55E-05	3.46E-03
2157	495461.06	3859701.99	0.05596	0.09789	0.0298	0.02062	2.09E-04	2.92E-03	1.90E-04	6.51E-05	3.38E-03	1.90E-04	2.96E-09	2.53E-06	1.78E-06	1.94E-04	2.41E-04	2.92E-03	1.90E-04	6.51E-05	3.42E-03
2158	495511.06	3859701.99	0.05549	0.09564	0.0299	0.02047	2.07E-04	2.85E-03	1.91E-04	6.46E-05	3.32E-03	1.88E-04	2.89E-09	2.54E-06	1.76E-06	1.93E-04	2.39E-04	2.85E-03	1.91E-04	6.46E-05	3.35E-03
2159	495561.06	3859701.99	0.05544	0.0956	0.0297	0.02037	2.07E-04	2.85E-03	1.90E-04	6.43E-05	3.31E-03	1.88E-04	2.89E-09	2.53E-06	1.75E-06	1.93E-04	2.39E-04	2.85E-03	1.90E-04	6.43E-05	3.35E-03
2160	495611.06	3859701.99	0.05518	0.09451	0.0297	0.02025	2.06E-04	2.82E-03	1.89E-04	6.39E-05	3.28E-03	1.87E-04	2.85E-09	2.53E-06	1.74E-06	1.92E-04	2.38E-04	2.82E-03	1.89E-04	6.39E-05	3.31E-03
2161	495661.06	3859701.99	0.0549	0.0933	0.0297	0.02012	2.05E-04	2.78E-03	1.89E-04	6.35E-05	3.24E-03	1.86E-04	2.82E-09	2.53E-06	1.73E-06	1.91E-04	2.37E-04	2.78E-03	1.89E-04	6.35E-05	3.27E-03
2162	494311.06	3859751.99	0.06063	0.1307	0.0271	0.0233	2.26E-04	3.90E-03	1.73E-04	7.36E-05	4.37E-03	2.06E-04	3.95E-09	2.30E-06	2.01E-06	2.10E-04	2.62E-04	3.90E-03	1.73E-04	7.36E-05	4.41E-03
2163	494361.06	3859751.99	0.06036	0.12898	0.0272	0.02315	2.25E-04	3.85E-03	1.73E-04	7.31E-05	4.32E-03	2.05E-04	3.89E-09	2.31E-06	1.99E-06	2.09E-04	2.60E-04	3.85E-03	1.73E-04	7.31E-05	4.35E-03
2164	494411.06	3859751.99	0.06006	0.12687	0.0274	0.02301	2.24E-04	3.78E-03	1.75E-04	7.27E-05	4.26E-03	2.04E-04	3.83E-09	2.33E-06	1.98E-06	2.08E-04	2.59E-04	3.78E-03	1.75E-04	7.27E-05	4.29E-03
2165	494461.06	3859751.99	0.05997	0.12705	0.0272	0.02282	2.24E-04	3.79E-03	1.74E-04	7.21E-05	4.26E-03	2.04E-04	3.84E-09	2.31E-06	1.97E-06	2.08E-04	2.59E-04	3.79E-03	1.74E-04	7.21E-05	4.29E-03
2166	494511.06	3859751.99	0.05981	0.12652	0.0272	0.02265	2.23E-04	3.77E-03	1.73E-04	7.15E-05	4.24E-03	2.03E-04	3.82E-09	2.31E-06	1.95E-06	2.07E-04	2.58E-04	3.77E-03	1.73E-04	7.15E-05	4.28E-03
2167	494561.06	3859751.99	0.05957	0.12494	0.0273	0.02251	2.22E-04	3.73E-03	1.74E-04	7.11E-05	4.19E-03	2.02E-04	3.77E-09	2.32E-06	1.94E-06	2.07E-04	2.57E-04	3.73E-03	1.74E-04	7.11E-05	4.23E-03
2168	494611.06	3859751.99	0.05929	0.12286	0.0275	0.02238	2.21E-04	3.67E-03	1.75E-04	7.07E-05	4.13E-03	2.01E-04	3.71E-09	2.34E-06	1.93E-06	2.06E-04	2.56E-04	3.67E-03	1.75E-04	7.07E-05	4.17E-03
2169	494661.06	3859751.99	0.05891	0.11956	0.0279	0.02228	2.20E-04	3.57E-03	1.78E-04	7.03E-05	4.03E-03	2.00E-04	3.61E-09	2.37E-06	1.92E-06	2.04E-04	2.54E-04	3.57E-03	1.78E-04	7.03E-05	4.07E-03
2170	494711.06	3859751.99	0.05876	0.11918	0.0278	0.02212	2.19E-04	3.56E-03	1.77E-04	6.98E-05	4.02E-03	1.99E-04	3.60E-09	2.37E-06	1.90E-06	2.04E-04	2.54E-04	3.56E-03	1.77E-04	6.98E-05	4.06E-03
2171	494761.06	3859751.99	0.05858	0.11811	0.0278	0.02198	2.19E-04	3.52E-03	1.78E-04	6.94E-05	3.99E-03	1.99E-04	3.57E-09	2.37E-06	1.89E-06	2.03E-04	2.53E-04	3.52E-03	1.78E-04	6.94E-05	4.02E-03
2172	494811.06	3859751.99	0.05832	0.11632	0.028	0.02186	2.18E-04	3.47E-03	1.79E-04	6.90E-05	3.94E-03	1.98E-04	3.51E-09	2.38E-06	1.88E-06	2.02E-04	2.52E-04	3.47E-03	1.79E-04	6.90E-05	3.97E-03
2173	494861.06	3859751.99	0.05812	0.11508	0.028	0.02172	2.17E-04	3.43E-03	1.79E-04	6.86E-05	3.90E-03	1.97E-04	3.48E-09	2.38E-06	1.87E-06	2.02E-04	2.51E-04	3.43E-03	1.79E-04	6.86E-05	3.93E-03
2174	494911.06	3859751.99	0.05791	0.11381	0.0281	0.02159	2.16E-04	3.40E-03	1.79E-04	6.82E-05	3.86E-03	1.97E-04	3.44E-09	2.39E-06	1.86E-06	2.01E-04	2.50E-04	3.40E-03	1.79E-04	6.82E-05	3.89E-03
2175	494961.06	3859751.99	0.05771	0.11256	0.0282	0.02146	2.15E-04	3.36E-03	1.80E-04	6.78E-05	3.82E-03	1.96E-04	3.40E-09	2.39E-06	1.85E-06	2.00E-04	2.49E-04	3.36E-03	1.80E-04	6.78E-05	3.85E-03
2176	495011.06	3859751.99	0.05749	0.11119	0.0282	0.02134	2.15E-04	3.32E-03	1.80E-04	6.74E-05	3.78E-03	1.95E-04	3.36E-09	2.40E-06	1.84E-06	1.99E-04	2.48E-04	3.32E-03	1.80E-04	6.74E-05	3.81E-03
2177	495061.06	3859751.99	0.05732	0.11029	0.0282	0.02121	2.14E-04	3.29E-03	1.80E-04	6.70E-05	3.75E-03	1.95E-04	3.33E-09	2.40E-06	1.83E-06	1.99E-04	2.47E-04	3.29E-03	1.80E-04	6.70E-05	3.78E-03
2178	495111.06	3859751.99	0.05711	0.10897	0.0283	0.02109	2.13E-04	3.25E-03	1.80E-04	6.66E-05	3.71E-03	1.94E-04	3.29E-09	2.41E-06	1.82E-06	1.98E-04	2.46E-04	3.25E-03	1.80E-04	6.66E-05	3.74E-03
2179	495161.06	3859751.99	0.05687	0.10752	0.0284	0.02097	2.12E-04	3.21E-03	1.81E-04	6.62E-05	3.67E-03	1.93E-04	3.25E-09	2.41E-06	1.81E-06	1.97E-04	2.45E-04	3.21E-03	1.81E-04	6.62E-05	3.70E-03
2180	495211.06	3859751.99	0.05663	0.10601	0.0285	0.02085	2.11E-04	3.16E-03	1.82E-04	6.58E-05	3.62E-03	1.92E-04	3.20E-09	2.42E-06	1.80E-06	1.96E-04	2.44E-04	3.16E-03	1.82E-04	6.58E-05	3.65E-03
2181	495261.06	3859751.99	0.05645	0.10508	0.0285	0.02073	2.11E-04	3.13E-03	1.82E-04	6.55E-05	3.59E-03	1.92E-04	3.17E-09	2.42E-06	1.79E-06	1.96E-04	2.44E-04	3.13E-03	1.82E-04	6.55E-05	3.63E-03
2182	495311.06	3859751.99	0.05622	0.10378	0.0285	0.02061	2.10E-04	3.10E-03	1.82E-04	6.51E-05	3.55E-03	1.91E-04	3.13E-09	2.42E-06	1.77E-06	1.95E-04	2.43E-04	3.10E-03	1.82E-04	6.51E-05	3.59E-03
2183	495361.06	3859751.99	0.05601	0.10261	0.0285	0.0205	2.09E-04	3.06E-03	1.82E-04	6.47E-05	3.52E-03	1.90E-04	3.10E-09	2.43E-06	1.77E-06	1.94E-04	2.42E-04	3.06E-03	1.82E-04	6.47E-05	3.55E-03
2184	495411.06	3859751.99	0.05579	0.10148	0.0286	0.02038	2.08E-04	3.03E-03	1.82E-04	6.43E-05	3.48E-03	1.89E-04	3.06E-09	2.43E-06	1.75E-06	1.94E-04	2.41E-04	3.03E-03	1.82E-04	6.43E-05	3.51E-03
2185	495461.06	3859751.99	0.05549	0.09982	0.0287	0.02026	2.07E-04	2.98E-03	1.83E-04	6.40E-05	3.43E-03	1.88E-04	3.01E-09	2.44E-06	1.74E-06	1.93E-04	2.39E-04	2.98E-03	1.83E-04	6.40E-05	3.46E-03
2186	495511.06	3859751.99	0.05518	0.09816	0.0288	0.02014	2.06E-04	2.93E-03	1.84E-04	6.36E-05	3.38E-03	1.87E-04	2.96E-09	2.45E-06	1.73E-06	1.92E-04	2.38E-04	2.93E-03	1.84E-04	6.36E-05	3.41E-03
2187	495561.06	3859751.99	0.05495	0.09699	0.0288	0.02003	2.05E-04	2.89E-03	1.84E-04	6.32E-05	3.35E-03	1.87E-04	2.93E-09	2.45E-06	1.72E-06	1.91E-04	2.37E-04	2.89E-03	1.84E-04	6.32E-05	3.38E-03
2188	495611.06	3859751.99	0.05472	0.09591	0.0288	0.01991	2.04E-04	2.86E-03	1.84E-04	6.29E-05	3.31E-03	1.86E-04	2.90E-09	2.45E-06	1.71E-06	1.90E-04	2.36E-04	2.86E-03	1.84E-04	6.29E-05	3.34E-03
2189	495661.06	3859751.99	0.05453	0.09513	0.0288	0.0198	2.03E-04	2.84E-03	1.83E-04	6.25E-05	3.29E-03	1.85E-04	2.87E-09	2.45E-06	1.70E-06	1.89E-04	2.35E-04	2.84E-03	1.83E-04	6.25E-05	3.32E-03
2190	494311.06	3859801.99	0.05993	0.13296	0.0256	0.02274	2.24E-04	3.97E-03	1.63E-04	7.18E-05	4.43E-03	2.03E-04	4.02E-09	2.18E-06	1.96E-06	2.08E-04	2.59E-04	3.97E-03	1.63E-04	7.18E-05	4.46E-03
2191	494361.06	3859801.99	0.05962	0.13051	0.0258	0.02261	2.22E-04	3.89E-03	1.65E-04	7.14E-05	4.35E-03	2.02E-04	3.94E-09	2.20E-06	1.95E-06	2.07E-04	2.57E-04	3.89E-03	1.65E-04	7.14E-05	4.39E-03
2192	494411.06	3859801.99	0.05929	0.12793	0.0261	0.02248	2.21E-04	3.82E-03	1.67E-04	7.10E-05	4.28E-03	2.01E-04	3.86E-09	2.22E-06	1.94E-06	2.05E-04	2.56E-04	3.82E-03	1.67E-04	7.10E-05	4.31E-03

2193	494461.06	3859801.99	0.05916	0.12791	0.026	0.02231	2.21E-04	3.82E-03	1.66E-04	7.04E-05	4.27E-03	2.01E-04	3.86E-09	2.21E-06	1.92E-06	2.05E-04	2.55E-04	3.82E-03	1.66E-04	7.04E-05	4.31E-03
2194	494511.06	3859801.99	0.05906	0.12809	0.0258	0.02212	2.20E-04	3.82E-03	1.65E-04	6.98E-05	4.28E-03	2.01E-04	3.87E-09	2.20E-06	1.90E-06	2.05E-04	2.55E-04	3.82E-03	1.65E-04	6.98E-05	4.31E-03
2195	494561.06	3859801.99	0.05882	0.12659	0.0259	0.02199	2.19E-04	3.78E-03	1.65E-04	6.94E-05	4.23E-03	2.00E-04	3.82E-09	2.20E-06	1.89E-06	2.04E-04	2.54E-04	3.78E-03	1.65E-04	6.94E-05	4.27E-03
2196	494611.06	3859801.99	0.05847	0.12356	0.0263	0.02189	2.18E-04	3.69E-03	1.68E-04	6.91E-05	4.14E-03	1.99E-04	3.73E-09	2.24E-06	1.88E-06	2.03E-04	2.52E-04	3.69E-03	1.68E-04	6.91E-05	4.18E-03
2197	494661.06	3859801.99	0.05822	0.12187	0.0264	0.02176	2.17E-04	3.64E-03	1.69E-04	6.87E-05	4.09E-03	1.98E-04	3.68E-09	2.25E-06	1.87E-06	2.02E-04	2.51E-04	3.64E-03	1.69E-04	6.87E-05	4.12E-03
2198	494711.06	3859801.99	0.05794	0.11979	0.0267	0.02164	2.16E-04	3.57E-03	1.70E-04	6.83E-05	4.03E-03	1.97E-04	3.62E-09	2.27E-06	1.86E-06	2.01E-04	2.50E-04	3.57E-03	1.70E-04	6.83E-05	4.06E-03
2199	494761.06	3859801.99	0.05786	0.1199	0.0265	0.02148	2.16E-04	3.58E-03	1.69E-04	6.78E-05	4.03E-03	1.96E-04	3.62E-09	2.25E-06	1.85E-06	2.01E-04	2.50E-04	3.58E-03	1.69E-04	6.78E-05	4.06E-03
2200	494811.06	3859801.99	0.05763	0.11829	0.0266	0.02136	2.15E-04	3.53E-03	1.70E-04	6.74E-05	3.98E-03	1.96E-04	3.57E-09	2.26E-06	1.84E-06	2.00E-04	2.49E-04	3.53E-03	1.70E-04	6.74E-05	4.01E-03
2201	494861.06	3859801.99	0.05744	0.1172	0.0266	0.02123	2.14E-04	3.50E-03	1.70E-04	6.70E-05	3.95E-03	1.95E-04	3.54E-09	2.27E-06	1.83E-06	1.99E-04	2.48E-04	3.50E-03	1.70E-04	6.70E-05	3.98E-03
2202	494911.06	3859801.99	0.05719	0.11544	0.0268	0.02112	2.13E-04	3.44E-03	1.71E-04	6.67E-05	3.90E-03	1.94E-04	3.49E-09	2.28E-06	1.82E-06	1.98E-04	2.47E-04	3.44E-03	1.71E-04	6.67E-05	3.93E-03
2203	494961.06	3859801.99	0.057	0.11419	0.0269	0.02099	2.13E-04	3.41E-03	1.71E-04	6.63E-05	3.86E-03	1.94E-04	3.45E-09	2.29E-06	1.81E-06	1.98E-04	2.46E-04	3.41E-03	1.71E-04	6.63E-05	3.89E-03
2204	495011.06	3859801.99	0.05679	0.11286	0.027	0.02087	2.12E-04	3.37E-03	1.72E-04	6.59E-05	3.82E-03	1.93E-04	3.41E-09	2.29E-06	1.80E-06	1.97E-04	2.45E-04	3.37E-03	1.72E-04	6.59E-05	3.85E-03
2205	495061.06	3859801.99	0.05661	0.11182	0.027	0.02075	2.11E-04	3.34E-03	1.72E-04	6.55E-05	3.78E-03	1.92E-04	3.38E-09	2.30E-06	1.79E-06	1.96E-04	2.44E-04	3.34E-03	1.72E-04	6.55E-05	3.82E-03
2206	495111.06	3859801.99	0.05639	0.11026	0.0271	0.02064	2.10E-04	3.29E-03	1.73E-04	6.52E-05	3.74E-03	1.91E-04	3.33E-09	2.31E-06	1.78E-06	1.96E-04	2.43E-04	3.29E-03	1.73E-04	6.52E-05	3.77E-03
2207	495161.06	3859801.99	0.05617	0.10882	0.0272	0.02053	2.10E-04	3.25E-03	1.74E-04	6.48E-05	3.69E-03	1.91E-04	3.29E-09	2.31E-06	1.77E-06	1.95E-04	2.42E-04	3.25E-03	1.74E-04	6.48E-05	3.73E-03
2208	495211.06	3859801.99	0.05599	0.10782	0.0272	0.02041	2.09E-04	3.22E-03	1.74E-04	6.44E-05	3.66E-03	1.90E-04	3.26E-09	2.32E-06	1.76E-06	1.94E-04	2.42E-04	3.22E-03	1.74E-04	6.44E-05	3.70E-03
2209	495261.06	3859801.99	0.05577	0.10635	0.0274	0.02031	2.08E-04	3.17E-03	1.74E-04	6.41E-05	3.62E-03	1.89E-04	3.21E-09	2.33E-06	1.75E-06	1.93E-04	2.41E-04	3.17E-03	1.74E-04	6.41E-05	3.65E-03
2210	495311.06	3859801.99	0.0556	0.10545	0.0273	0.02019	2.07E-04	3.15E-03	1.74E-04	6.37E-05	3.59E-03	1.89E-04	3.18E-09	2.33E-06	1.74E-06	1.93E-04	2.40E-04	3.15E-03	1.74E-04	6.37E-05	3.62E-03
2211	495361.06	3859801.99	0.05539	0.10416	0.0274	0.02008	2.07E-04	3.11E-03	1.75E-04	6.34E-05	3.55E-03	1.88E-04	3.15E-09	2.33E-06	1.73E-06	1.92E-04	2.39E-04	3.11E-03	1.75E-04	6.34E-05	3.58E-03
2212	495411.06	3859801.99	0.05515	0.10265	0.0275	0.01998	2.06E-04	3.06E-03	1.76E-04	6.31E-05	3.51E-03	1.87E-04	3.10E-09	2.34E-06	1.72E-06	1.91E-04	2.38E-04	3.06E-03	1.76E-04	6.31E-05	3.54E-03
2213	495461.06	3859801.99	0.05494	0.10147	0.0276	0.01987	2.05E-04	3.03E-03	1.76E-04	6.27E-05	3.47E-03	1.87E-04	3.06E-09	2.35E-06	1.71E-06	1.91E-04	2.37E-04	3.03E-03	1.76E-04	6.27E-05	3.50E-03
2214	495511.06	3859801.99	0.05465	0.09972	0.0278	0.01977	2.04E-04	2.97E-03	1.77E-04	6.24E-05	3.42E-03	1.86E-04	3.01E-09	2.36E-06	1.70E-06	1.90E-04	2.36E-04	2.97E-03	1.77E-04	6.24E-05	3.45E-03
2215	495561.06	3859801.99	0.05446	0.09875	0.0278	0.01966	2.03E-04	2.95E-03	1.77E-04	6.21E-05	3.39E-03	1.85E-04	2.98E-09	2.36E-06	1.69E-06	1.89E-04	2.35E-04	2.95E-03	1.77E-04	6.21E-05	3.42E-03
2216	495611.06	3859801.99	0.05433	0.09829	0.0276	0.01955	2.03E-04	2.93E-03	1.76E-04	6.17E-05	3.37E-03	1.84E-04	2.97E-09	2.35E-06	1.68E-06	1.88E-04	2.34E-04	2.93E-03	1.76E-04	6.17E-05	3.40E-03
2217	495661.06	3859801.99	0.05405	0.09675	0.0278	0.01945	2.02E-04	2.89E-03	1.77E-04	6.14E-05	3.33E-03	1.84E-04	2.92E-09	2.36E-06	1.67E-06	1.88E-04	2.33E-04	2.89E-03	1.77E-04	6.14E-05	3.36E-03
2218	494311.06	3859851.99	0.05917	0.13409	0.0244	0.0222	2.21E-04	4.00E-03	1.56E-04	7.01E-05	4.45E-03	2.01E-04	4.05E-09	2.07E-06	1.91E-06	2.05E-04	2.55E-04	4.00E-03	1.56E-04	7.01E-05	4.48E-03
2219	494361.06	3859851.99	0.0589	0.13213	0.0245	0.02206	2.20E-04	3.94E-03	1.56E-04	6.97E-05	4.39E-03	2.00E-04	3.99E-09	2.09E-06	1.90E-06	2.04E-04	2.54E-04	3.94E-03	1.56E-04	6.97E-05	4.42E-03
2220	494411.06	3859851.99	0.05861	0.12991	0.0247	0.02194	2.19E-04	3.88E-03	1.58E-04	6.93E-05	4.32E-03	1.99E-04	3.92E-09	2.10E-06	1.89E-06	2.03E-04	2.53E-04	3.88E-03	1.58E-04	6.93E-05	4.36E-03
2221	494461.06	3859851.99	0.05836	0.12829	0.0249	0.0218	2.18E-04	3.83E-03	1.59E-04	6.88E-05	4.27E-03	1.98E-04	3.87E-09	2.11E-06	1.88E-06	2.02E-04	2.52E-04	3.83E-03	1.59E-04	6.88E-05	4.31E-03
2222	494511.06	3859851.99	0.0582	0.12784	0.0248	0.02164	2.17E-04	3.81E-03	1.58E-04	6.83E-05	4.26E-03	1.98E-04	3.86E-09	2.11E-06	1.86E-06	2.02E-04	2.51E-04	3.81E-03	1.58E-04	6.83E-05	4.29E-03
2223	494561.06	3859851.99	0.05806	0.12766	0.0247	0.02147	2.17E-04	3.81E-03	1.58E-04	6.78E-05	4.25E-03	1.97E-04	3.86E-09	2.10E-06	1.85E-06	2.01E-04	2.51E-04	3.81E-03	1.58E-04	6.78E-05	4.28E-03
2224	494611.06	3859851.99	0.0577	0.12448	0.0251	0.02139	2.15E-04	3.71E-03	1.60E-04	6.75E-05	4.16E-03	1.96E-04	3.76E-09	2.13E-06	1.84E-06	2.00E-04	2.49E-04	3.71E-03	1.60E-04	6.75E-05	4.19E-03
2225	494661.06	3859851.99	0.05753	0.1238	0.0251	0.02124	2.15E-04	3.69E-03	1.60E-04	6.71E-05	4.14E-03	1.95E-04	3.74E-09	2.13E-06	1.83E-06	1.99E-04	2.48E-04	3.69E-03	1.60E-04	6.71E-05	4.17E-03
2226	494711.06	3859851.99	0.05724	0.12146	0.0253	0.02114	2.14E-04	3.62E-03	1.62E-04	6.67E-05	4.07E-03	1.94E-04	3.67E-09	2.15E-06	1.82E-06	1.98E-04	2.47E-04	3.62E-03	1.62E-04	6.67E-05	4.10E-03
2227	494761.06	3859851.99	0.05713	0.12132	0.0252	0.02098	2.13E-04	3.62E-03	1.61E-04	6.62E-05	4.06E-03	1.94E-04	3.66E-09	2.14E-06	1.81E-06	1.98E-04	2.47E-04	3.62E-03	1.61E-04	6.62E-05	4.09E-03
2228	494811.06	3859851.99	0.0569	0.11983	0.0253	0.02086	2.12E-04	3.57E-03	1.62E-04	6.59E-05	4.01E-03	1.93E-04	3.62E-09	2.15E-06	1.80E-06	1.97E-04	2.46E-04	3.57E-03	1.62E-04	6.59E-05	4.05E-03
2229	494861.06	3859851.99	0.05673	0.11894	0.0253	0.02073	2.12E-04	3.55E-03	1.62E-04	6.55E-05	3.99E-03	1.93E-04	3.59E-09	2.16E-06	1.79E-06	1.97E-04	2.45E-04	3.55E-03	1.62E-04	6.55E-05	4.02E-03
2230	494911.06	3859851.99	0.0565	0.11724	0.0255	0.02062	2.11E-04	3.50E-03	1.63E-04	6.51E-05	3.94E-03	1.92E-04	3.54E-09	2.17E-06	1.78E-06	1.96E-04	2.44E-04	3.50E-03	1.63E-04	6.51E-05	3.97E-03
2231	494961.06	3859851.99	0.0563	0.11596	0.0256	0.02051	2.10E-04	3.46E-03	1.63E-04	6.48E-05	3.90E-03	1.91E-04	3.50E-09	2.17E-06	1.77E-06	1.95E-04	2.43E-04	3.46E-03	1.63E-04	6.48E-05	3.93E-03
2232	495011.06	3859851.99	0.0561	0.11466	0.0257	0.0204	2.09E-04	3.42E-03	1.64E-04	6.44E-05	3.86E-03	1.90E-04	3.46E-09	2.18E-06	1.76E-06	1.94E-04	2.42E-04	3.42E-03	1.64E-04	6.44E-05	3.89E-03
2233	495061.06	3859851.99	0.05593	0.11363	0.0257	0.02028	2.09E-04	3.39E-03	1.64E-04	6.40E-05	3.83E-03	1.90E-04	3.43E-09	2.18E-06	1.75E-06	1.94E-04	2.41E-04	3.39E-03	1.64E-04	6.40E-05	3.86E-03
2234	495111.06	3859851.99	0.0557	0.11195	0.0259	0.02018	2.08E-04	3.34E-03	1.65E-04	6.37E-05	3.78E-03	1.89E-04	3.38E-09	2.20E-06	1.74E-06	1.93E-04	2.40E-04	3.34E-03	1.65E-04	6.37E-05	3.81E-03
2235	495161.06	3859851.99	0.0555	0.1106	0.026	0.02007	2.07E-04	3.30E-03	1.66E-04	6.34E-05	3.74E-03	1.88E-04	3.34E-09	2.21E-06	1.73E-06	1.92E-04	2.39E-04	3.30E-03	1.66E-04	6.34E-05	3.77E-03
2236	495211.06	3859851.99	0.05531	0.10936	0.026	0.01997	2.06E-04	3.26E-03	1.66E-04	6.31E-05	3.70E-03	1.88E-04	3.30E-09	2.21E-06	1.72E-06	1.92E-04	2.39E-04	3.26E-03	1.66E-04	6.31E-05	3.73E-03
2237	495261.06	3859851.99	0.05511	0.10804	0.0261	0.01986	2.06E-04	3.22E-03	1.67E-04	6.27E-05	3.66E-03	1.87E-04	3.26E-09	2.22E-06	1.71E-06	1.91E-04	2.38E-04	3.22E-03	1.67E-04	6.27E-05	3.69E-03
2238	495311.06	3859851.99	0.05494	0.10702	0.0262	0.01976	2.05E-04	3.19E-03	1.67E-04	6.24E-05	3.63E-03	1.87E-04	3.23E-09	2.22E-06	1.70E-06	1.90E-04	2.37E-04	3.19E-03	1.67E-04	6.24E-05	3.66E-03
2239	495361.06	3859851.99	0.05476	0.10586	0.0262	0.01965	2.04E-04	3.16E-03	1.67E-04	6.20E-05	3.59E-03	1.86E-04	3.20E-09	2.23E-06	1.69E-06	1.90E-04	2.36E-04	3.16E-03	1.67E-04	6.20E-05	3.62E-03
2240	495411.06	3859851.99	0.05454	0.1044	0.0263	0.01956	2.04E-04	3.11E-03	1.68E-04	6.18E-05	3.55E-03	1.85E-04	3.15E-09	2.24E-06	1.68E-06	1.89E-04	2.35E-04	3.11E-03	1.68E-04	6.18E-05	3.58E-03
2241	495461.06	3859851.99	0.05432	0.10299	0.0265	0.01946	2.03E-04	3.07E-03	1.69E-04	6.14E-05	3.51E-03	1.84E-04	3.11E-09	2.25E-06	1.68E-06	1.88E-04	2.34E-04	3.07E-03	1.69E-04	6.14E-05	3.54E-03
2242	495511.06	3859851.99	0.05408	0.10142	0.0266	0.01937	2.02E-04	3.03E-03	1.70E-04	6.12E-05	3.46E-03	1.84E-04	3.06E-09	2.26E-06	1.67E-06	1.88E-04	2.33E-04	3.03E-03	1.70E-04	6.12E-05	3.49E-03
2243	495561.06	3859851.99	0.05393	0.10062	0.0266	0.01927	2.01E-04	3.00E-03	1.70E-04	6.08E-05	3.43E-03	1.83E-04	3.04E-09	2.26E-06	1.66E-06	1.87E-04	2.33E-04	3.00E-03	1.70E-04	6.08E-05	3.46E-03
2244	495611.06	3859851.99	0.05376	0.09974	0.0266	0.01917	2.01E-04	2.98E-03	1.70E-04	6.05E-05	3.41E-03	1.83E-04	3.01E-09	2.26E-06	1.65E-06	1.86E-04	2.32E-04	2.98E-03	1.70E-04	6.05E-05	3.44E-03
2245	495661.06	3859851.99	0.05352	0.09826	0.0267	0.01907	2.00E-04	2.93E-03	1.70E-04	6.02E-05	3.36E-03	1.82E-04	2.97E-09	2.27E-06	1.64E-06	1.86E-04	2.31E-04	2.93E-03	1.70E-04	6.02E-05	3.39E-03
2246	494311.06	3859901.99	0.05842	0.13485	0.0233	0.02167	2.18E-04	4.02E-03	1.49E-04	6.84E-05	4.46E-03	1.98E-04	4.07E-09	1.98E-06	1.87E-06	2.02E-04	2.52E-04	4.02E-03	1.49E-04	6.84E-05	4.49E-03
2247	494361.06	3859901.99	0.05809	0.132	0.0235	0.02156	2.17E-04	3.94E-03	1.50E-04	6.81E-05	4.37E-03	1.97E-04	3.99E-09	2.00E-06	1.86E-06	2.01E-04	2.51E-04	3.94E-03	1.50E-04	6.81E-05	4.41E-03
2248	494411.06	3859901.99	0.05789	0.13114	0.0236	0.02141	2.16E-04	3.91E-03	1.50E-04	6.76E-05	4.35E-03	1.97E-04	3.96E-09	2.00E-06	1.84E-06	2.00E-04	2.50E-04	3.91E-03	1.50E-04	6.76E-05	4.38E-03
2249	494461.06	3859901.99	0.05765	0.1296	0.0237	0.02128	2.15E-04	3.87E-03	1.51E-04	6.72E-05	4.30E-03	1.96E-04	3.91E-09	2.01E-06	1.83E-06	2.00E-04	2.49E-04	3.87E-03	1.51E-04	6.72E-05	4.33E-03
2250	494511.06	3859901.99	0.05745	0.12863	0.0237	0.02113	2.14E-04	3.84E-03	1.51E-04	6.67E-05	4.27E-03	1.95E-04	3.88E-09	2.01E-06	1.82E-06	1.99E-04	2.48E-04	3.84E-03	1.51E-04	6.67E-05	4.30E-03
2251	494561.06	3859901.99	0.05734	0.12887	0.0236	0.02095	2.14E-04	3.84E-03	1.50E-04	6.61E-05	4.28E-03	1.95E-04	3.89E-09	2.00E-06	1.80E-06	1.98E-04	2.47E-04	3.84E-03	1.50E-04	6.61E-05	4.31E-03
2252	494611.06	3859901.99	0.05698	0.12559	0.0239	0.02088	2.13E-04	3.75E-03	1.52E-04	6.59E-05	4.18E-03	1.93E-04	3.79E-09	2.03E-06	1.80E-06	1.97E-04	2.46E-04	3.75E-03	1.52E-04	6.59E-05	4.21E-03
2253	494661.06	3859901.99	0.05686	0.12555	0.0238	0.02072	2.12E-04	3.75E-03	1.52E-04	6.54E-05	4.18E-03	1.93E-04	3.79E-09	2.02E-06	1.78E-06	1.97E-04	2.45E-04	3.75E-03	1.52E-04	6.54E-05	4.21E-03

2254	494711.06	3859901.99	0.05651	0.12242	0.0242	0.02064	2.11E-04	3.65E-03	1.54E-04	6.52E-05	4.08E-03	1.92E-04	3.70E-09	2.05E-06	1.78E-06	1.96E-04	2.44E-04	3.65E-03	1.54E-04	6.52E-05	4.12E-03
2255	494761.06	3859901.99	0.05636	0.12193	0.0241	0.0205	2.10E-04	3.64E-03	1.54E-04	6.47E-05	4.07E-03	1.91E-04	3.68E-09	2.05E-06	1.77E-06	1.95E-04	2.43E-04	3.64E-03	1.54E-04	6.47E-05	4.10E-03
2256	494811.06	3859901.99	0.05622	0.12146	0.0241	0.02036	2.10E-04	3.62E-03	1.54E-04	6.43E-05	4.05E-03	1.91E-04	3.67E-09	2.05E-06	1.75E-06	1.95E-04	2.43E-04	3.62E-03	1.54E-04	6.43E-05	4.08E-03
2257	494861.06	3859901.99	0.05604	0.12046	0.0241	0.02023	2.09E-04	3.59E-03	1.54E-04	6.39E-05	4.02E-03	1.90E-04	3.64E-09	2.05E-06	1.74E-06	1.94E-04	2.42E-04	3.59E-03	1.54E-04	6.39E-05	4.05E-03
2258	494911.06	3859901.99	0.0558	0.11874	0.0243	0.02013	2.08E-04	3.54E-03	1.55E-04	6.36E-05	3.97E-03	1.89E-04	3.59E-09	2.06E-06	1.73E-06	1.93E-04	2.41E-04	3.54E-03	1.55E-04	6.36E-05	4.00E-03
2259	494961.06	3859901.99	0.05562	0.11767	0.0243	0.02002	2.08E-04	3.51E-03	1.55E-04	6.32E-05	3.94E-03	1.89E-04	3.55E-09	2.07E-06	1.72E-06	1.93E-04	2.40E-04	3.51E-03	1.55E-04	6.32E-05	3.97E-03
2260	495011.06	3859901.99	0.0554	0.11614	0.0244	0.01991	2.07E-04	3.46E-03	1.56E-04	6.29E-05	3.89E-03	1.88E-04	3.51E-09	2.08E-06	1.71E-06	1.92E-04	2.39E-04	3.46E-03	1.56E-04	6.29E-05	3.92E-03
2261	495061.06	3859901.99	0.05521	0.11483	0.0245	0.01981	2.06E-04	3.43E-03	1.56E-04	6.25E-05	3.85E-03	1.87E-04	3.47E-09	2.09E-06	1.71E-06	1.91E-04	2.38E-04	3.43E-03	1.56E-04	6.25E-05	3.88E-03
2262	495111.06	3859901.99	0.05498	0.11314	0.0247	0.01972	2.05E-04	3.38E-03	1.57E-04	6.23E-05	3.80E-03	1.87E-04	3.42E-09	2.10E-06	1.70E-06	1.90E-04	2.37E-04	3.38E-03	1.57E-04	6.23E-05	3.83E-03
2263	495161.06	3859901.99	0.05477	0.11159	0.0248	0.01962	2.04E-04	3.33E-03	1.58E-04	6.19E-05	3.75E-03	1.86E-04	3.37E-09	2.11E-06	1.69E-06	1.90E-04	2.36E-04	3.33E-03	1.58E-04	6.19E-05	3.79E-03
2264	495211.06	3859901.99	0.05461	0.11073	0.0249	0.01951	2.04E-04	3.30E-03	1.59E-04	6.16E-05	3.73E-03	1.85E-04	3.34E-09	2.11E-06	1.68E-06	1.89E-04	2.36E-04	3.30E-03	1.59E-04	6.16E-05	3.76E-03
2265	495261.06	3859901.99	0.05438	0.10895	0.025	0.01943	2.03E-04	3.25E-03	1.60E-04	6.13E-05	3.67E-03	1.85E-04	3.29E-09	2.13E-06	1.67E-06	1.88E-04	2.35E-04	3.25E-03	1.60E-04	6.13E-05	3.71E-03
2266	495311.06	3859901.99	0.05423	0.10811	0.0251	0.01932	2.02E-04	3.23E-03	1.60E-04	6.10E-05	3.65E-03	1.84E-04	3.26E-09	2.13E-06	1.66E-06	1.88E-04	2.34E-04	3.23E-03	1.60E-04	6.10E-05	3.68E-03
2267	495361.06	3859901.99	0.05404	0.10681	0.0252	0.01923	2.02E-04	3.19E-03	1.60E-04	6.07E-05	3.61E-03	1.83E-04	3.23E-09	2.14E-06	1.66E-06	1.87E-04	2.33E-04	3.19E-03	1.60E-04	6.07E-05	3.64E-03
2268	495411.06	3859901.99	0.05383	0.1053	0.0253	0.01914	2.01E-04	3.14E-03	1.61E-04	6.04E-05	3.56E-03	1.83E-04	3.18E-09	2.15E-06	1.65E-06	1.87E-04	2.32E-04	3.14E-03	1.61E-04	6.04E-05	3.60E-03
2269	495461.06	3859901.99	0.05363	0.10399	0.0254	0.01905	2.00E-04	3.10E-03	1.62E-04	6.01E-05	3.52E-03	1.82E-04	3.14E-09	2.16E-06	1.64E-06	1.86E-04	2.31E-04	3.10E-03	1.62E-04	6.01E-05	3.56E-03
2270	495511.06	3859901.99	0.05348	0.1031	0.0254	0.01895	2.00E-04	3.08E-03	1.62E-04	5.98E-05	3.50E-03	1.82E-04	3.11E-09	2.16E-06	1.63E-06	1.85E-04	2.31E-04	3.08E-03	1.62E-04	5.98E-05	3.53E-03
2271	495561.06	3859901.99	0.05332	0.1022	0.0254	0.01885	1.99E-04	3.05E-03	1.62E-04	5.95E-05	3.47E-03	1.81E-04	3.09E-09	2.16E-06	1.62E-06	1.85E-04	2.30E-04	3.05E-03	1.62E-04	5.95E-05	3.50E-03
2272	495611.06	3859901.99	0.05311	0.10083	0.0256	0.01877	1.98E-04	3.01E-03	1.63E-04	5.93E-05	3.43E-03	1.80E-04	3.04E-09	2.17E-06	1.62E-06	1.84E-04	2.29E-04	3.01E-03	1.63E-04	5.93E-05	3.46E-03
2273	495661.06	3859901.99	0.0529	0.09938	0.0257	0.01869	1.97E-04	2.96E-03	1.64E-04	5.90E-05	3.39E-03	1.80E-04	3.00E-09	2.18E-06	1.61E-06	1.83E-04	2.28E-04	2.96E-03	1.64E-04	5.90E-05	3.42E-03
2274	494311.06	3859951.99	0.05784	0.13583	0.0223	0.02113	2.16E-04	4.05E-03	1.42E-04	6.67E-05	4.48E-03	1.96E-04	4.10E-09	1.89E-06	1.82E-06	2.00E-04	2.50E-04	4.05E-03	1.42E-04	6.67E-05	4.51E-03
2275	494361.06	3859951.99	0.05762	0.13382	0.0224	0.02101	2.15E-04	3.99E-03	1.43E-04	6.63E-05	4.42E-03	1.96E-04	4.04E-09	1.90E-06	1.81E-06	1.99E-04	2.49E-04	3.99E-03	1.43E-04	6.63E-05	4.45E-03
2276	494411.06	3859951.99	0.05718	0.13203	0.0225	0.02089	2.13E-04	3.94E-03	1.43E-04	6.60E-05	4.36E-03	1.94E-04	3.99E-09	1.91E-06	1.80E-06	1.98E-04	2.47E-04	3.94E-03	1.43E-04	6.60E-05	4.40E-03
2277	494461.06	3859951.99	0.05695	0.13054	0.0226	0.02076	2.13E-04	3.89E-03	1.44E-04	6.55E-05	4.32E-03	1.93E-04	3.94E-09	1.92E-06	1.79E-06	1.97E-04	2.46E-04	3.89E-03	1.44E-04	6.55E-05	4.35E-03
2278	494511.06	3859951.99	0.05675	0.12961	0.0226	0.02062	2.12E-04	3.87E-03	1.44E-04	6.51E-05	4.29E-03	1.93E-04	3.91E-09	1.92E-06	1.78E-06	1.96E-04	2.45E-04	3.87E-03	1.44E-04	6.51E-05	4.32E-03
2279	494561.06	3859951.99	0.0568	0.13015	0.0225	0.02044	2.12E-04	3.88E-03	1.44E-04	6.45E-05	4.30E-03	1.93E-04	3.93E-09	1.91E-06	1.76E-06	1.97E-04	2.45E-04	3.88E-03	1.44E-04	6.45E-05	4.34E-03
2280	494611.06	3859951.99	0.05634	0.12729	0.0227	0.02036	2.10E-04	3.80E-03	1.45E-04	6.43E-05	4.22E-03	1.91E-04	3.84E-09	1.93E-06	1.75E-06	1.95E-04	2.43E-04	3.80E-03	1.45E-04	6.43E-05	4.25E-03
2281	494661.06	3859951.99	0.05639	0.12702	0.0227	0.0202	2.10E-04	3.79E-03	1.45E-04	6.38E-05	4.21E-03	1.91E-04	3.84E-09	1.93E-06	1.74E-06	1.95E-04	2.43E-04	3.79E-03	1.45E-04	6.38E-05	4.24E-03
2282	494711.06	3859951.99	0.05589	0.12441	0.0229	0.02012	2.09E-04	3.71E-03	1.46E-04	6.35E-05	4.13E-03	1.90E-04	3.76E-09	1.95E-06	1.73E-06	1.93E-04	2.41E-04	3.71E-03	1.46E-04	6.35E-05	4.16E-03
2283	494761.06	3859951.99	0.05571	0.1235	0.023	0.01999	2.08E-04	3.68E-03	1.46E-04	6.31E-05	4.10E-03	1.89E-04	3.73E-09	1.95E-06	1.72E-06	1.93E-04	2.40E-04	3.68E-03	1.46E-04	6.31E-05	4.13E-03
2284	494811.06	3859951.99	0.05551	0.12238	0.023	0.01988	2.07E-04	3.65E-03	1.47E-04	6.28E-05	4.07E-03	1.88E-04	3.70E-09	1.96E-06	1.71E-06	1.92E-04	2.40E-04	3.65E-03	1.47E-04	6.28E-05	4.10E-03
2285	494861.06	3859951.99	0.05536	0.12174	0.023	0.01974	2.07E-04	3.63E-03	1.47E-04	6.23E-05	4.05E-03	1.88E-04	3.68E-09	1.96E-06	1.70E-06	1.92E-04	2.39E-04	3.63E-03	1.47E-04	6.23E-05	4.08E-03
2286	494911.06	3859951.99	0.05512	0.11999	0.0231	0.01965	2.06E-04	3.58E-03	1.48E-04	6.20E-05	4.00E-03	1.87E-04	3.62E-09	1.97E-06	1.69E-06	1.91E-04	2.38E-04	3.58E-03	1.48E-04	6.20E-05	4.03E-03
2287	494961.06	3859951.99	0.0549	0.11841	0.0233	0.01955	2.05E-04	3.53E-03	1.48E-04	6.17E-05	3.95E-03	1.86E-04	3.58E-09	1.98E-06	1.68E-06	1.90E-04	2.37E-04	3.53E-03	1.48E-04	6.17E-05	3.98E-03
2288	495011.06	3859951.99	0.05469	0.11699	0.0234	0.01945	2.04E-04	3.49E-03	1.49E-04	6.14E-05	3.90E-03	1.86E-04	3.53E-09	1.99E-06	1.67E-06	1.89E-04	2.36E-04	3.49E-03	1.49E-04	6.14E-05	3.94E-03
2289	495061.06	3859951.99	0.0545	0.11583	0.0234	0.01935	2.03E-04	3.46E-03	1.50E-04	6.11E-05	3.87E-03	1.85E-04	3.50E-09	1.99E-06	1.67E-06	1.89E-04	2.35E-04	3.46E-03	1.50E-04	6.11E-05	3.90E-03
2290	495111.06	3859951.99	0.05428	0.11418	0.0236	0.01926	2.03E-04	3.41E-03	1.50E-04	6.08E-05	3.82E-03	1.84E-04	3.45E-09	2.01E-06	1.66E-06	1.88E-04	2.34E-04	3.41E-03	1.50E-04	6.08E-05	3.85E-03
2291	495161.06	3859951.99	0.05406	0.1126	0.0237	0.01917	2.02E-04	3.36E-03	1.51E-04	6.05E-05	3.77E-03	1.84E-04	3.40E-09	2.02E-06	1.65E-06	1.87E-04	2.33E-04	3.36E-03	1.51E-04	6.05E-05	3.80E-03
2292	495211.06	3859951.99	0.05385	0.11108	0.0239	0.01908	2.01E-04	3.31E-03	1.52E-04	6.02E-05	3.73E-03	1.83E-04	3.35E-09	2.03E-06	1.64E-06	1.86E-04	2.32E-04	3.31E-03	1.52E-04	6.02E-05	3.76E-03
2293	495261.06	3859951.99	0.05367	0.10984	0.024	0.01899	2.00E-04	3.28E-03	1.53E-04	6.00E-05	3.69E-03	1.82E-04	3.32E-09	2.04E-06	1.64E-06	1.86E-04	2.32E-04	3.28E-03	1.53E-04	6.00E-05	3.72E-03
2294	495311.06	3859951.99	0.05353	0.10912	0.024	0.01888	2.00E-04	3.26E-03	1.53E-04	5.96E-05	3.67E-03	1.82E-04	3.30E-09	2.04E-06	1.63E-06	1.85E-04	2.31E-04	3.26E-03	1.53E-04	5.96E-05	3.70E-03
2295	495361.06	3859951.99	0.05336	0.10804	0.024	0.01879	1.99E-04	3.22E-03	1.53E-04	5.93E-05	3.63E-03	1.81E-04	3.26E-09	2.04E-06	1.62E-06	1.85E-04	2.30E-04	3.22E-03	1.53E-04	5.93E-05	3.67E-03
2296	495411.06	3859951.99	0.05316	0.10657	0.0242	0.01871	1.98E-04	3.18E-03	1.54E-04	5.91E-05	3.59E-03	1.80E-04	3.22E-09	2.05E-06	1.61E-06	1.84E-04	2.29E-04	3.18E-03	1.54E-04	5.91E-05	3.62E-03
2297	495461.06	3859951.99	0.05297	0.10528	0.0243	0.01862	1.98E-04	3.14E-03	1.55E-04	5.88E-05	3.55E-03	1.80E-04	3.18E-09	2.06E-06	1.60E-06	1.84E-04	2.29E-04	3.14E-03	1.55E-04	5.88E-05	3.58E-03
2298	495511.06	3859951.99	0.05278	0.10397	0.0244	0.01854	1.97E-04	3.10E-03	1.56E-04	5.85E-05	3.51E-03	1.79E-04	3.14E-09	2.07E-06	1.60E-06	1.83E-04	2.28E-04	3.10E-03	1.56E-04	5.85E-05	3.54E-03
2299	495561.06	3859951.99	0.05266	0.10343	0.0243	0.01844	1.96E-04	3.09E-03	1.55E-04	5.82E-05	3.50E-03	1.79E-04	3.12E-09	2.07E-06	1.59E-06	1.82E-04	2.27E-04	3.09E-03	1.55E-04	5.82E-05	3.53E-03
2300	495611.06	3859951.99	0.05247	0.10206	0.0245	0.01836	1.96E-04	3.04E-03	1.56E-04	5.80E-05	3.45E-03	1.78E-04	3.08E-09	2.08E-06	1.58E-06	1.82E-04	2.26E-04	3.04E-03	1.56E-04	5.80E-05	3.49E-03
2301	495661.06	3859951.99	0.05225	0.10048	0.0246	0.01829	1.95E-04	3.00E-03	1.57E-04	5.77E-05	3.41E-03	1.77E-04	3.03E-09	2.10E-06	1.57E-06	1.81E-04	2.25E-04	3.00E-03	1.57E-04	5.77E-05	3.44E-03
2302	494311.06	3860001.99	0.05702	0.13647	0.0214	0.02061	2.13E-04	4.07E-03	1.36E-04	6.51E-05	4.49E-03	1.94E-04	4.12E-09	1.82E-06	1.77E-06	1.97E-04	2.46E-04	4.07E-03	1.36E-04	6.51E-05	4.52E-03
2303	494361.06	3860001.99	0.0568	0.1349	0.0214	0.02048	2.12E-04	4.02E-03	1.37E-04	6.47E-05	4.44E-03	1.93E-04	4.07E-09	1.82E-06	1.76E-06	1.96E-04	2.45E-04	4.02E-03	1.37E-04	6.47E-05	4.47E-03
2304	494411.06	3860001.99	0.05659	0.13258	0.0216	0.02038	2.11E-04	3.96E-03	1.38E-04	6.43E-05	4.37E-03	1.92E-04	4.00E-09	1.83E-06	1.75E-06	1.96E-04	2.44E-04	3.96E-03	1.38E-04	6.43E-05	4.40E-03
2305	494461.06	3860001.99	0.05638	0.1315	0.0216	0.02024	2.10E-04	3.92E-03	1.38E-04	6.39E-05	4.34E-03	1.91E-04	3.97E-09	1.84E-06	1.74E-06	1.95E-04	2.43E-04	3.92E-03	1.38E-04	6.39E-05	4.37E-03
2306	494511.06	3860001.99	0.05617	0.12974	0.0217	0.02013	2.10E-04	3.87E-03	1.38E-04	6.36E-05	4.28E-03	1.91E-04	3.92E-09	1.85E-06	1.73E-06	1.94E-04	2.42E-04	3.87E-03	1.38E-04	6.36E-05	4.32E-03
2307	494561.06	3860001.99	0.05599	0.13091	0.0216	0.01994	2.09E-04	3.91E-03	1.38E-04	6.30E-05	4.32E-03	1.90E-04	3.95E-09	1.84E-06	1.72E-06	1.94E-04	2.42E-04	3.91E-03	1.38E-04	6.30E-05	4.35E-03
2308	494611.06	3860001.99	0.05578	0.129	0.0217	0.01983	2.08E-04	3.85E-03	1.38E-04	6.26E-05	4.26E-03	1.89E-04	3.90E-09	1.84E-06	1.71E-06	1.93E-04	2.41E-04	3.85E-03	1.38E-04	6.26E-05	4.29E-03
2309	494661.06	3860001.99	0.05558	0.1279	0.0217	0.01971	2.07E-04	3.82E-03	1.39E-04	6.22E-05	4.22E-03	1.89E-04	3.86E-09	1.85E-06	1.70E-06	1.92E-04	2.40E-04	3.82E-03	1.39E-04	6.22E-05	4.26E-03
2310	494711.06	3860001.99	0.05516	0.12441	0.022	0.01966	2.06E-04	3.71E-03	1.40E-04	6.21E-05	4.12E-03	1.87E-04	3.76E-09	1.87E-06	1.69E-06	1.91E-04	2.38E-04	3.71E-03	1.40E-04	6.21E-05	4.15E-03
2311	494761.06	3860001.99	0.05518	0.12452	0.0219	0.01951	2.06E-04	3.71E-03	1.40E-04	6.16E-05	4.12E-03	1.87E-04	3.76E-09	1.87E-06	1.68E-06	1.91E-04	2.38E-04	3.71E-03	1.40E-04	6.16E-05	4.15E-03
2312	494811.06	3860001.99	0.055	0.12362	0.022	0.01939	2.05E-04	3.69E-03	1.40E-04	6.12E-05	4.09E-03	1.87E-04	3.73E-09	1.87E-06	1.67E-06	1.90E-04	2.37E-04	3.69E-03	1.40E-04	6.12E-05	4.13E-03
2313	494861.06	3860001.99	0.05481	0.12292	0.022	0.01926	2.05E-04	3.67E-03	1.40E-04	6.08E-05	4.07E-03	1.86E-04	3.71E-09	1.87E-06	1.66E-06	1.90E-04	2.37E-04	3.67E-03	1.40E-04	6.08E-05	4.10E-03
2314	494911.06	3860001.99	0.05437	0.1198	0.0223	0.01921	2.03E-04	3.57E-03	1.42E-04	6.07E-05	3.98E-03	1.85E-04	3.62E-09	1.89E-06	1.65E-06	1.88E-04	2.35E-04	3.57E-03	1.42E-04	6.07E-05	4.01E-03

2315	494961.06	3860001.99	0.0542	0.11902	0.0223	0.01909	2.02E-04	3.55E-03	1.42E-04	6.03E-05	3.96E-03	1.84E-04	3.59E-09	1.89E-06	1.64E-06	1.88E-04	2.34E-04	3.55E-03	1.42E-04	6.03E-05	3.99E-03
2316	495011.06	3860001.99	0.05398	0.11745	0.0224	0.019	2.01E-04	3.50E-03	1.43E-04	6.00E-05	3.91E-03	1.83E-04	3.55E-09	1.91E-06	1.64E-06	1.87E-04	2.33E-04	3.50E-03	1.43E-04	6.00E-05	3.94E-03
2317	495061.06	3860001.99	0.05383	0.11675	0.0224	0.01889	2.01E-04	3.48E-03	1.43E-04	5.96E-05	3.89E-03	1.83E-04	3.53E-09	1.91E-06	1.63E-06	1.86E-04	2.32E-04	3.48E-03	1.43E-04	5.96E-05	3.92E-03
2318	495111.06	3860001.99	0.0536	0.11514	0.0225	0.0188	2.00E-04	3.44E-03	1.44E-04	5.94E-05	3.84E-03	1.82E-04	3.48E-09	1.92E-06	1.62E-06	1.86E-04	2.31E-04	3.44E-03	1.44E-04	5.94E-05	3.87E-03
2319	495161.06	3860001.99	0.05339	0.11357	0.0227	0.01872	1.99E-04	3.39E-03	1.45E-04	5.91E-05	3.79E-03	1.81E-04	3.43E-09	1.93E-06	1.61E-06	1.85E-04	2.30E-04	3.39E-03	1.45E-04	5.91E-05	3.82E-03
2320	495211.06	3860001.99	0.05324	0.11282	0.0227	0.01861	1.99E-04	3.37E-03	1.45E-04	5.88E-05	3.77E-03	1.81E-04	3.41E-09	1.93E-06	1.60E-06	1.84E-04	2.30E-04	3.37E-03	1.45E-04	5.88E-05	3.80E-03
2321	495261.06	3860001.99	0.05303	0.11139	0.0228	0.01853	1.98E-04	3.32E-03	1.45E-04	5.85E-05	3.72E-03	1.80E-04	3.36E-09	1.94E-06	1.60E-06	1.84E-04	2.29E-04	3.32E-03	1.45E-04	5.85E-05	3.76E-03
2322	495311.06	3860001.99	0.05286	0.1103	0.0229	0.01843	1.97E-04	3.29E-03	1.46E-04	5.82E-05	3.69E-03	1.79E-04	3.33E-09	1.95E-06	1.59E-06	1.83E-04	2.28E-04	3.29E-03	1.46E-04	5.82E-05	3.72E-03
2323	495361.06	3860001.99	0.05262	0.10828	0.0231	0.01837	1.96E-04	3.23E-03	1.47E-04	5.80E-05	3.63E-03	1.79E-04	3.27E-09	1.96E-06	1.58E-06	1.82E-04	2.27E-04	3.23E-03	1.47E-04	5.80E-05	3.66E-03
2324	495411.06	3860001.99	0.0525	0.10779	0.0231	0.01827	1.96E-04	3.22E-03	1.47E-04	5.77E-05	3.62E-03	1.78E-04	3.26E-09	1.96E-06	1.57E-06	1.82E-04	2.27E-04	3.22E-03	1.47E-04	5.77E-05	3.65E-03
2325	495461.06	3860001.99	0.05232	0.10656	0.0232	0.01818	1.95E-04	3.18E-03	1.48E-04	5.74E-05	3.58E-03	1.78E-04	3.22E-09	1.97E-06	1.57E-06	1.81E-04	2.26E-04	3.18E-03	1.48E-04	5.74E-05	3.61E-03
2326	495511.06	3860001.99	0.05214	0.1054	0.0232	0.0181	1.95E-04	3.14E-03	1.48E-04	5.71E-05	3.54E-03	1.77E-04	3.18E-09	1.98E-06	1.56E-06	1.81E-04	2.25E-04	3.14E-03	1.48E-04	5.71E-05	3.57E-03
2327	495561.06	3860001.99	0.05201	0.10466	0.0233	0.01801	1.94E-04	3.12E-03	1.48E-04	5.69E-05	3.52E-03	1.77E-04	3.16E-09	1.98E-06	1.55E-06	1.80E-04	2.24E-04	3.12E-03	1.48E-04	5.69E-05	3.55E-03
2328	495611.06	3860001.99	0.05181	0.10318	0.0234	0.01794	1.93E-04	3.08E-03	1.49E-04	5.66E-05	3.48E-03	1.76E-04	3.12E-09	1.99E-06	1.54E-06	1.79E-04	2.24E-04	3.08E-03	1.49E-04	5.66E-05	3.51E-03
2329	495661.06	3860001.99	0.05162	0.10177	0.0235	0.01787	1.93E-04	3.04E-03	1.50E-04	5.64E-05	3.44E-03	1.75E-04	3.07E-09	2.00E-06	1.54E-06	1.79E-04	2.23E-04	3.04E-03	1.50E-04	5.64E-05	3.47E-03
2330	494411.06	3860051.99	0.0558	0.13355	0.0207	0.01986	2.08E-04	3.98E-03	1.32E-04	6.27E-05	4.39E-03	1.89E-04	4.03E-09	1.76E-06	1.71E-06	1.93E-04	2.41E-04	3.98E-03	1.32E-04	6.27E-05	4.42E-03
2331	494461.06	3860051.99	0.05559	0.132	0.0208	0.01974	2.07E-04	3.94E-03	1.32E-04	6.23E-05	4.34E-03	1.89E-04	3.99E-09	1.77E-06	1.70E-06	1.92E-04	2.40E-04	3.94E-03	1.32E-04	6.23E-05	4.37E-03
2332	494511.06	3860051.99	0.05539	0.13061	0.0208	0.01963	2.07E-04	3.90E-03	1.33E-04	6.20E-05	4.30E-03	1.88E-04	3.94E-09	1.77E-06	1.69E-06	1.92E-04	2.39E-04	3.90E-03	1.33E-04	6.20E-05	4.33E-03
2333	494561.06	3860051.99	0.05519	0.1306	0.0208	0.01947	2.06E-04	3.90E-03	1.33E-04	6.15E-05	4.30E-03	1.87E-04	3.94E-09	1.77E-06	1.68E-06	1.91E-04	2.38E-04	3.90E-03	1.33E-04	6.15E-05	4.33E-03
2334	494611.06	3860051.99	0.05499	0.12974	0.0208	0.01935	2.05E-04	3.87E-03	1.33E-04	6.11E-05	4.27E-03	1.87E-04	3.92E-09	1.77E-06	1.67E-06	1.90E-04	2.37E-04	3.87E-03	1.33E-04	6.11E-05	4.30E-03
2335	494661.06	3860051.99	0.0548	0.12865	0.0209	0.01923	2.04E-04	3.84E-03	1.33E-04	6.07E-05	4.24E-03	1.86E-04	3.89E-09	1.78E-06	1.66E-06	1.89E-04	2.36E-04	3.84E-03	1.33E-04	6.07E-05	4.27E-03
2336	494711.06	3860051.99	0.0546	0.12629	0.021	0.01915	2.04E-04	3.77E-03	1.34E-04	6.05E-05	4.17E-03	1.85E-04	3.81E-09	1.79E-06	1.65E-06	1.89E-04	2.36E-04	3.77E-03	1.34E-04	6.05E-05	4.20E-03
2337	494761.06	3860051.99	0.05441	0.12534	0.021	0.01903	2.03E-04	3.74E-03	1.34E-04	6.01E-05	4.14E-03	1.85E-04	3.79E-09	1.79E-06	1.64E-06	1.88E-04	2.35E-04	3.74E-03	1.34E-04	6.01E-05	4.17E-03
2338	494811.06	3860051.99	0.05422	0.1249	0.021	0.0189	2.02E-04	3.73E-03	1.34E-04	5.97E-05	4.12E-03	1.84E-04	3.77E-09	1.79E-06	1.63E-06	1.87E-04	2.34E-04	3.73E-03	1.34E-04	5.97E-05	4.15E-03
2339	494861.06	3860051.99	0.05404	0.12429	0.0211	0.01878	2.02E-04	3.71E-03	1.34E-04	5.93E-05	4.10E-03	1.83E-04	3.75E-09	1.79E-06	1.62E-06	1.87E-04	2.33E-04	3.71E-03	1.34E-04	5.93E-05	4.13E-03
2340	494911.06	3860051.99	0.05385	0.12242	0.0212	0.01869	2.01E-04	3.65E-03	1.35E-04	5.90E-05	4.05E-03	1.83E-04	3.70E-09	1.80E-06	1.61E-06	1.86E-04	2.32E-04	3.65E-03	1.35E-04	5.90E-05	4.08E-03
2341	494961.06	3860051.99	0.05366	0.12047	0.0213	0.01861	2.00E-04	3.59E-03	1.36E-04	5.88E-05	3.99E-03	1.82E-04	3.64E-09	1.81E-06	1.60E-06	1.86E-04	2.32E-04	3.59E-03	1.36E-04	5.88E-05	4.02E-03
2342	495011.06	3860051.99	0.05348	0.11879	0.0214	0.01853	2.00E-04	3.54E-03	1.36E-04	5.85E-05	3.94E-03	1.82E-04	3.59E-09	1.82E-06	1.60E-06	1.85E-04	2.31E-04	3.54E-03	1.36E-04	5.85E-05	3.97E-03
2343	495061.06	3860051.99	0.0533	0.11744	0.0215	0.01844	1.99E-04	3.50E-03	1.37E-04	5.82E-05	3.90E-03	1.81E-04	3.55E-09	1.83E-06	1.59E-06	1.84E-04	2.30E-04	3.50E-03	1.37E-04	5.82E-05	3.93E-03
2344	495111.06	3860051.99	0.05311	0.11564	0.0216	0.01836	1.98E-04	3.45E-03	1.38E-04	5.80E-05	3.84E-03	1.80E-04	3.49E-09	1.84E-06	1.58E-06	1.84E-04	2.29E-04	3.45E-03	1.38E-04	5.80E-05	3.87E-03
2345	495161.06	3860051.99	0.05274	0.11437	0.0217	0.01827	1.97E-04	3.41E-03	1.38E-04	5.77E-05	3.80E-03	1.79E-04	3.45E-09	1.84E-06	1.57E-06	1.82E-04	2.28E-04	3.41E-03	1.38E-04	5.77E-05	3.84E-03
2346	495211.06	3860051.99	0.05253	0.11291	0.0218	0.01819	1.96E-04	3.37E-03	1.39E-04	5.74E-05	3.76E-03	1.78E-04	3.41E-09	1.85E-06	1.57E-06	1.82E-04	2.27E-04	3.37E-03	1.39E-04	5.74E-05	3.79E-03
2347	495261.06	3860051.99	0.05236	0.11191	0.0219	0.0181	1.95E-04	3.34E-03	1.39E-04	5.71E-05	3.73E-03	1.78E-04	3.38E-09	1.86E-06	1.56E-06	1.81E-04	2.26E-04	3.34E-03	1.39E-04	5.71E-05	3.76E-03
2348	495311.06	3860051.99	0.0522	0.11107	0.0219	0.018	1.95E-04	3.31E-03	1.40E-04	5.68E-05	3.70E-03	1.77E-04	3.35E-09	1.86E-06	1.55E-06	1.81E-04	2.25E-04	3.31E-03	1.40E-04	5.68E-05	3.74E-03
2349	495361.06	3860051.99	0.05203	0.11002	0.022	0.01791	1.94E-04	3.28E-03	1.40E-04	5.65E-05	3.67E-03	1.77E-04	3.32E-09	1.87E-06	1.54E-06	1.80E-04	2.25E-04	3.28E-03	1.40E-04	5.65E-05	3.70E-03
2350	495411.06	3860051.99	0.05186	0.10886	0.022	0.01783	1.94E-04	3.25E-03	1.41E-04	5.63E-05	3.64E-03	1.76E-04	3.29E-09	1.87E-06	1.54E-06	1.79E-04	2.24E-04	3.25E-03	1.41E-04	5.63E-05	3.67E-03
2351	495461.06	3860051.99	0.05167	0.10757	0.0221	0.01776	1.93E-04	3.21E-03	1.41E-04	5.61E-05	3.60E-03	1.75E-04	3.25E-09	1.88E-06	1.53E-06	1.79E-04	2.23E-04	3.21E-03	1.41E-04	5.61E-05	3.63E-03
2352	495511.06	3860051.99	0.05152	0.10666	0.0222	0.01767	1.92E-04	3.18E-03	1.41E-04	5.58E-05	3.57E-03	1.75E-04	3.22E-09	1.89E-06	1.52E-06	1.78E-04	2.22E-04	3.18E-03	1.41E-04	5.58E-05	3.60E-03
2353	495561.06	3860051.99	0.05135	0.10554	0.0223	0.01759	1.92E-04	3.15E-03	1.42E-04	5.55E-05	3.54E-03	1.74E-04	3.19E-09	1.89E-06	1.51E-06	1.78E-04	2.22E-04	3.15E-03	1.42E-04	5.55E-05	3.57E-03
2354	495611.06	3860051.99	0.05117	0.10426	0.0224	0.01752	1.91E-04	3.11E-03	1.43E-04	5.53E-05	3.50E-03	1.74E-04	3.15E-09	1.90E-06	1.51E-06	1.77E-04	2.21E-04	3.11E-03	1.43E-04	5.53E-05	3.53E-03
2355	495661.06	3860051.99	0.05097	0.10268	0.0225	0.01746	1.90E-04	3.06E-03	1.44E-04	5.51E-05	3.45E-03	1.73E-04	3.10E-09	1.92E-06	1.50E-06	1.76E-04	2.20E-04	3.06E-03	1.44E-04	5.51E-05	3.48E-03
2356	494411.06	3860101.99	0.05502	0.13287	0.02	0.01939	2.05E-04	3.96E-03	1.28E-04	6.12E-05	4.36E-03	1.87E-04	4.01E-09	1.70E-06	1.67E-06	1.90E-04	2.37E-04	3.96E-03	1.28E-04	6.12E-05	4.39E-03
2357	494461.06	3860101.99	0.05481	0.13264	0.02	0.01925	2.05E-04	3.96E-03	1.28E-04	6.08E-05	4.35E-03	1.86E-04	4.01E-09	1.70E-06	1.66E-06	1.89E-04	2.37E-04	3.96E-03	1.28E-04	6.08E-05	4.38E-03
2358	494511.06	3860101.99	0.05462	0.13052	0.0201	0.01916	2.04E-04	3.89E-03	1.28E-04	6.05E-05	4.29E-03	1.85E-04	3.94E-09	1.71E-06	1.65E-06	1.89E-04	2.36E-04	3.89E-03	1.28E-04	6.05E-05	4.32E-03
2359	494561.06	3860101.99	0.05442	0.1298	0.0201	0.01903	2.03E-04	3.87E-03	1.28E-04	6.01E-05	4.26E-03	1.85E-04	3.92E-09	1.71E-06	1.64E-06	1.88E-04	2.35E-04	3.87E-03	1.28E-04	6.01E-05	4.30E-03
2360	494611.06	3860101.99	0.05421	0.12972	0.0201	0.01889	2.02E-04	3.87E-03	1.28E-04	5.96E-05	4.26E-03	1.84E-04	3.92E-09	1.71E-06	1.63E-06	1.87E-04	2.34E-04	3.87E-03	1.28E-04	5.96E-05	4.29E-03
2361	494661.06	3860101.99	0.05401	0.12883	0.0201	0.01877	2.02E-04	3.84E-03	1.28E-04	5.93E-05	4.23E-03	1.83E-04	3.89E-09	1.71E-06	1.62E-06	1.87E-04	2.33E-04	3.84E-03	1.28E-04	5.93E-05	4.26E-03
2362	494711.06	3860101.99	0.05383	0.12682	0.0202	0.01868	2.01E-04	3.78E-03	1.29E-04	5.90E-05	4.17E-03	1.83E-04	3.83E-09	1.72E-06	1.61E-06	1.86E-04	2.32E-04	3.78E-03	1.29E-04	5.90E-05	4.20E-03
2363	494761.06	3860101.99	0.05364	0.12582	0.0203	0.01857	2.00E-04	3.75E-03	1.29E-04	5.86E-05	4.14E-03	1.82E-04	3.80E-09	1.72E-06	1.60E-06	1.85E-04	2.31E-04	3.75E-03	1.29E-04	5.86E-05	4.17E-03
2364	494811.06	3860101.99	0.05345	0.12492	0.0203	0.01846	1.99E-04	3.73E-03	1.29E-04	5.83E-05	4.11E-03	1.81E-04	3.77E-09	1.72E-06	1.59E-06	1.85E-04	2.31E-04	3.73E-03	1.29E-04	5.83E-05	4.15E-03
2365	494861.06	3860101.99	0.05323	0.1255	0.0203	0.01832	1.99E-04	3.74E-03	1.29E-04	5.78E-05	4.13E-03	1.81E-04	3.79E-09	1.72E-06	1.58E-06	1.84E-04	2.30E-04	3.74E-03	1.29E-04	5.78E-05	4.16E-03
2366	494911.06	3860101.99	0.05309	0.12196	0.0204	0.01827	1.98E-04	3.64E-03	1.30E-04	5.77E-05	4.02E-03	1.80E-04	3.68E-09	1.74E-06	1.57E-06	1.84E-04	2.29E-04	3.64E-03	1.30E-04	5.77E-05	4.06E-03
2367	494961.06	3860101.99	0.05291	0.12087	0.0205	0.01817	1.97E-04	3.61E-03	1.31E-04	5.74E-05	3.99E-03	1.80E-04	3.65E-09	1.74E-06	1.56E-06	1.83E-04	2.28E-04	3.61E-03	1.31E-04	5.74E-05	4.02E-03
2368	495011.06	3860101.99	0.05272	0.11925	0.0206	0.01809	1.97E-04	3.56E-03	1.31E-04	5.71E-05	3.94E-03	1.79E-04	3.60E-09	1.75E-06	1.56E-06	1.82E-04	2.27E-04	3.56E-03	1.31E-04	5.71E-05	3.97E-03
2369	495061.06	3860101.99	0.05254	0.11776	0.0206	0.01801	1.96E-04	3.51E-03	1.32E-04	5.69E-05	3.90E-03	1.78E-04	3.56E-09	1.76E-06	1.55E-06	1.82E-04	2.27E-04	3.51E-03	1.32E-04	5.69E-05	3.93E-03
2370	495111.06	3860101.99	0.05237	0.11593	0.0208	0.01794	1.95E-04	3.46E-03	1.32E-04	5.66E-05	3.84E-03	1.78E-04	3.50E-09	1.77E-06	1.54E-06	1.81E-04	2.26E-04	3.46E-03	1.32E-04	5.66E-05	3.87E-03
2371	495161.06	3860101.99	0.05219	0.115	0.0208	0.01784	1.95E-04	3.43E-03	1.33E-04	5.63E-05	3.81E-03	1.77E-04	3.47E-09	1.77E-06	1.54E-06	1.80E-04	2.25E-04	3.43E-03	1.33E-04	5.63E-05	3.85E-03
2372	495211.06	3860101.99	0.05202	0.11378	0.0209	0.01775	1.94E-04	3.39E-03	1.33E-04	5.60E-05	3.78E-03	1.77E-04	3.44E-09	1.78E-06	1.53E-06	1.80E-04	2.24E-04	3.39E-03	1.33E-04	5.60E-05	3.81E-03
2373	495261.06	3860101.99	0.05186	0.11254	0.021	0.01767	1.94E-04	3.36E-03	1.34E-04	5.58E-05	3.74E-03	1.76E-04	3.40E-09	1.78E-06	1.52E-06	1.79E-04	2.24E-04	3.36E-03	1.34E-04	5.58E-05	3.77E-03
2374	495311.06	3860101.99	0.05169	0.11148	0.021	0.01759	1.93E-04	3.33E-03	1.34E-04	5.55E-05	3.71E-03	1.75E-04	3.37E-09	1.79E-06	1.51E-06	1.79E-04	2.23E-04	3.33E-03	1.34E-04	5.55E-05	3.74E-03
2375	495361.06	3860101.99	0.05153	0.11069	0.0211	0.01749	1.92E-04	3.30E-03	1.34E-04	5.52E-05	3.68E-03	1.75E-04	3.34E-09	1.79E-06	1.51E-06	1.78E-04	2.22E-04	3.30E-03	1.34E-04	5.52E-05	3.71E-03

2376	495411.06	3860101.99	0.05137	0.10948	0.0211	0.01741	1.92E-04	3.27E-03	1.35E-04	5.50E-05	3.65E-03	1.74E-04	3.31E-09	1.80E-06	1.50E-06	1.78E-04	2.22E-04	3.27E-03	1.35E-04	5.50E-05	3.68E-03
2377	495461.06	3860101.99	0.051	0.10783	0.0213	0.01735	1.90E-04	3.22E-03	1.36E-04	5.48E-05	3.60E-03	1.73E-04	3.26E-09	1.81E-06	1.49E-06	1.76E-04	2.20E-04	3.22E-03	1.36E-04	5.48E-05	3.63E-03
2378	495511.06	3860101.99	0.05086	0.1071	0.0213	0.01726	1.90E-04	3.20E-03	1.36E-04	5.45E-05	3.58E-03	1.73E-04	3.23E-09	1.81E-06	1.49E-06	1.76E-04	2.19E-04	3.20E-03	1.36E-04	5.45E-05	3.60E-03
2379	495561.06	3860101.99	0.05072	0.10635	0.0213	0.01718	1.89E-04	3.17E-03	1.36E-04	5.42E-05	3.55E-03	1.72E-04	3.21E-09	1.81E-06	1.48E-06	1.75E-04	2.19E-04	3.17E-03	1.36E-04	5.42E-05	3.58E-03
2380	495611.06	3860101.99	0.05051	0.10474	0.0215	0.01712	1.88E-04	3.12E-03	1.37E-04	5.41E-05	3.50E-03	1.71E-04	3.16E-09	1.83E-06	1.47E-06	1.75E-04	2.18E-04	3.12E-03	1.37E-04	5.41E-05	3.53E-03
2381	495661.06	3860101.99	0.05035	0.10369	0.0215	0.01705	1.88E-04	3.09E-03	1.37E-04	5.38E-05	3.47E-03	1.71E-04	3.13E-09	1.83E-06	1.47E-06	1.74E-04	2.17E-04	3.09E-03	1.37E-04	5.38E-05	3.50E-03
2382	494861.06	3860151.99	0.05239	0.12625	0.0197	0.0179	1.95E-04	3.77E-03	1.25E-04	5.65E-05	4.14E-03	1.78E-04	3.81E-09	1.67E-06	1.54E-06	1.81E-04	2.26E-04	3.77E-03	1.25E-04	5.65E-05	4.17E-03
2383	494911.06	3860151.99	0.05232	0.12265	0.0197	0.01783	1.95E-04	3.66E-03	1.26E-04	5.63E-05	4.04E-03	1.78E-04	3.70E-09	1.67E-06	1.54E-06	1.81E-04	2.26E-04	3.66E-03	1.26E-04	5.63E-05	4.07E-03
2384	494961.06	3860151.99	0.05215	0.12119	0.0197	0.01774	1.95E-04	3.62E-03	1.26E-04	5.60E-05	3.99E-03	1.77E-04	3.66E-09	1.68E-06	1.53E-06	1.80E-04	2.25E-04	3.62E-03	1.26E-04	5.60E-05	4.02E-03
2385	495011.06	3860151.99	0.05198	0.11962	0.0198	0.01766	1.94E-04	3.57E-03	1.26E-04	5.58E-05	3.94E-03	1.76E-04	3.61E-09	1.68E-06	1.52E-06	1.80E-04	2.24E-04	3.57E-03	1.26E-04	5.58E-05	3.98E-03
2386	495061.06	3860151.99	0.05181	0.11808	0.0199	0.01758	1.93E-04	3.52E-03	1.27E-04	5.55E-05	3.90E-03	1.76E-04	3.57E-09	1.69E-06	1.51E-06	1.79E-04	2.24E-04	3.52E-03	1.27E-04	5.55E-05	3.93E-03
2387	495111.06	3860151.99	0.05164	0.11681	0.0199	0.0175	1.93E-04	3.48E-03	1.27E-04	5.53E-05	3.86E-03	1.75E-04	3.53E-09	1.69E-06	1.51E-06	1.79E-04	2.23E-04	3.48E-03	1.27E-04	5.53E-05	3.89E-03
2388	495161.06	3860151.99	0.05147	0.11566	0.02	0.01741	1.92E-04	3.45E-03	1.28E-04	5.50E-05	3.83E-03	1.75E-04	3.49E-09	1.70E-06	1.50E-06	1.78E-04	2.22E-04	3.45E-03	1.28E-04	5.50E-05	3.86E-03
2389	495211.06	3860151.99	0.0513	0.11436	0.0201	0.01733	1.91E-04	3.41E-03	1.28E-04	5.47E-05	3.79E-03	1.74E-04	3.45E-09	1.71E-06	1.49E-06	1.77E-04	2.21E-04	3.41E-03	1.28E-04	5.47E-05	3.82E-03
2390	495261.06	3860151.99	0.05113	0.1133	0.0201	0.01725	1.91E-04	3.38E-03	1.28E-04	5.45E-05	3.75E-03	1.74E-04	3.42E-09	1.71E-06	1.49E-06	1.77E-04	2.21E-04	3.38E-03	1.28E-04	5.45E-05	3.78E-03
2391	495311.06	3860151.99	0.05097	0.11221	0.0202	0.01716	1.90E-04	3.35E-03	1.29E-04	5.42E-05	3.72E-03	1.73E-04	3.39E-09	1.72E-06	1.48E-06	1.76E-04	2.20E-04	3.35E-03	1.29E-04	5.42E-05	3.75E-03
2392	495361.06	3860151.99	0.05081	0.11121	0.0202	0.01708	1.90E-04	3.32E-03	1.29E-04	5.39E-05	3.69E-03	1.73E-04	3.36E-09	1.72E-06	1.47E-06	1.76E-04	2.19E-04	3.32E-03	1.29E-04	5.39E-05	3.72E-03
2393	495411.06	3860151.99	0.05065	0.11006	0.0203	0.01701	1.89E-04	3.28E-03	1.29E-04	5.37E-05	3.66E-03	1.72E-04	3.32E-09	1.73E-06	1.46E-06	1.75E-04	2.19E-04	3.28E-03	1.29E-04	5.37E-05	3.69E-03
2394	495461.06	3860151.99	0.05049	0.10895	0.0204	0.01693	1.88E-04	3.25E-03	1.30E-04	5.35E-05	3.62E-03	1.71E-04	3.29E-09	1.73E-06	1.46E-06	1.75E-04	2.18E-04	3.25E-03	1.30E-04	5.35E-05	3.65E-03
2395	495511.06	3860151.99	0.05033	0.10766	0.0204	0.01686	1.88E-04	3.21E-03	1.30E-04	5.32E-05	3.58E-03	1.71E-04	3.25E-09	1.74E-06	1.45E-06	1.74E-04	2.17E-04	3.21E-03	1.30E-04	5.32E-05	3.61E-03
2396	495561.06	3860151.99	0.05018	0.10672	0.0205	0.01678	1.87E-04	3.18E-03	1.31E-04	5.30E-05	3.55E-03	1.70E-04	3.22E-09	1.74E-06	1.44E-06	1.74E-04	2.17E-04	3.18E-03	1.31E-04	5.30E-05	3.58E-03
2397	495611.06	3860151.99	0.05002	0.10549	0.0206	0.01672	1.87E-04	3.15E-03	1.31E-04	5.28E-05	3.52E-03	1.70E-04	3.19E-09	1.75E-06	1.44E-06	1.73E-04	2.16E-04	3.15E-03	1.31E-04	5.28E-05	3.55E-03
2398	495661.06	3860151.99	0.04987	0.10418	0.0207	0.01666	1.86E-04	3.11E-03	1.32E-04	5.26E-05	3.48E-03	1.69E-04	3.15E-09	1.76E-06	1.43E-06	1.73E-04	2.15E-04	3.11E-03	1.32E-04	5.26E-05	3.51E-03
2399	495718.25	3859442.96	0.0552	0.08292	0.0331	0.02095	2.06E-04	2.47E-03	2.11E-04	6.61E-05	2.96E-03	1.87E-04	2.50E-09	2.81E-06	1.80E-06	1.92E-04	2.38E-04	2.47E-03	2.11E-04	6.61E-05	2.99E-03
2400	495818.25	3859442.96	0.0544	0.08077	0.0327	0.02058	2.03E-04	2.41E-03	2.09E-04	6.50E-05	2.89E-03	1.85E-04	2.44E-09	2.78E-06	1.77E-06	1.89E-04	2.35E-04	2.41E-03	2.09E-04	6.50E-05	2.92E-03
2401	495918.25	3859442.96	0.05384	0.07918	0.0325	0.02027	2.01E-04	2.36E-03	2.07E-04	6.40E-05	2.83E-03	1.83E-04	2.39E-09	2.76E-06	1.75E-06	1.87E-04	2.32E-04	2.36E-03	2.07E-04	6.40E-05	2.87E-03
2402	496018.25	3859442.96	0.05338	0.07781	0.0323	0.01999	1.99E-04	2.32E-03	2.06E-04	6.31E-05	2.79E-03	1.81E-04	2.35E-09	2.74E-06	1.72E-06	1.86E-04	2.30E-04	2.32E-03	2.06E-04	6.31E-05	2.82E-03
2403	496118.25	3859442.96	0.05369	0.07808	0.0323	0.0199	2.00E-04	2.33E-03	2.06E-04	6.28E-05	2.80E-03	1.82E-04	2.36E-09	2.75E-06	1.71E-06	1.87E-04	2.32E-04	2.33E-03	2.06E-04	6.28E-05	2.83E-03
2404	496218.25	3859442.96	0.05387	0.07813	0.0323	0.01977	2.01E-04	2.33E-03	2.06E-04	6.24E-05	2.80E-03	1.83E-04	2.36E-09	2.75E-06	1.70E-06	1.87E-04	2.32E-04	2.33E-03	2.06E-04	6.24E-05	2.83E-03
2405	496318.25	3859442.96	0.05351	0.07695	0.0322	0.01952	2.00E-04	2.30E-03	2.05E-04	6.16E-05	2.76E-03	1.82E-04	2.32E-09	2.74E-06	1.68E-06	1.86E-04	2.31E-04	2.30E-03	2.05E-04	6.16E-05	2.79E-03
2406	496418.25	3859442.96	0.0531	0.07569	0.032	0.01927	1.98E-04	2.26E-03	2.04E-04	6.08E-05	2.72E-03	1.80E-04	2.29E-09	2.72E-06	1.66E-06	1.85E-04	2.29E-04	2.26E-03	2.04E-04	6.08E-05	2.75E-03
2407	495718.25	3859542.96	0.05522	0.08655	0.0319	0.0207	2.06E-04	2.58E-03	2.03E-04	6.54E-05	3.06E-03	1.87E-04	2.61E-09	2.71E-06	1.78E-06	1.92E-04	2.38E-04	2.58E-03	2.03E-04	6.54E-05	3.09E-03
2408	495818.25	3859542.96	0.05466	0.08479	0.0317	0.02041	2.04E-04	2.53E-03	2.02E-04	6.44E-05	3.00E-03	1.86E-04	2.56E-09	2.69E-06	1.76E-06	1.90E-04	2.36E-04	2.53E-03	2.02E-04	6.44E-05	3.03E-03
2409	495918.25	3859542.96	0.05397	0.08273	0.0314	0.02009	2.01E-04	2.47E-03	2.00E-04	6.34E-05	2.93E-03	1.83E-04	2.50E-09	2.67E-06	1.73E-06	1.88E-04	2.33E-04	2.47E-03	2.00E-04	6.34E-05	2.96E-03
2410	496018.25	3859542.96	0.0534	0.08099	0.0312	0.01979	1.99E-04	2.42E-03	1.99E-04	6.25E-05	2.88E-03	1.81E-04	2.45E-09	2.65E-06	1.70E-06	1.86E-04	2.30E-04	2.42E-03	1.99E-04	6.25E-05	2.91E-03
2411	496118.25	3859542.96	0.05355	0.08121	0.0311	0.01967	2.00E-04	2.42E-03	1.98E-04	6.21E-05	2.88E-03	1.82E-04	2.45E-09	2.64E-06	1.69E-06	1.86E-04	2.31E-04	2.42E-03	1.98E-04	6.21E-05	2.91E-03
2412	496218.25	3859542.96	0.05351	0.08092	0.0309	0.01951	2.00E-04	2.41E-03	1.97E-04	6.16E-05	2.87E-03	1.82E-04	2.44E-09	2.63E-06	1.68E-06	1.86E-04	2.31E-04	2.41E-03	1.97E-04	6.16E-05	2.90E-03
2413	496318.25	3859542.96	0.05334	0.08029	0.0308	0.01932	1.99E-04	2.40E-03	1.96E-04	6.10E-05	2.85E-03	1.81E-04	2.42E-09	2.62E-06	1.66E-06	1.85E-04	2.30E-04	2.40E-03	1.96E-04	6.10E-05	2.88E-03
2414	496418.25	3859542.96	0.05279	0.07855	0.0306	0.01904	1.97E-04	2.34E-03	1.95E-04	6.01E-05	2.80E-03	1.79E-04	2.37E-09	2.60E-06	1.64E-06	1.83E-04	2.28E-04	2.34E-03	1.95E-04	6.01E-05	2.83E-03
2415	495718.25	3859642.96	0.05482	0.08965	0.0306	0.02027	2.05E-04	2.67E-03	1.95E-04	6.40E-05	3.14E-03	1.86E-04	2.71E-09	2.60E-06	1.75E-06	1.90E-04	2.37E-04	2.67E-03	1.95E-04	6.40E-05	3.17E-03
2416	495818.25	3859642.96	0.05421	0.08753	0.0305	0.01999	2.02E-04	2.61E-03	1.94E-04	6.31E-05	3.07E-03	1.84E-04	2.64E-09	2.59E-06	1.72E-06	1.88E-04	2.34E-04	2.61E-03	1.94E-04	6.31E-05	3.10E-03
2417	495918.25	3859642.96	0.05378	0.08609	0.0303	0.01974	2.01E-04	2.57E-03	1.93E-04	6.23E-05	3.02E-03	1.83E-04	2.60E-09	2.57E-06	1.70E-06	1.87E-04	2.32E-04	2.57E-03	1.93E-04	6.23E-05	3.06E-03
2418	496018.25	3859642.96	0.05322	0.08425	0.0301	0.01948	1.99E-04	2.51E-03	1.92E-04	6.15E-05	2.97E-03	1.81E-04	2.54E-09	2.56E-06	1.68E-06	1.85E-04	2.30E-04	2.51E-03	1.92E-04	6.15E-05	3.00E-03
2419	496118.25	3859642.96	0.05334	0.08474	0.0298	0.01935	1.99E-04	2.53E-03	1.90E-04	6.11E-05	2.98E-03	1.81E-04	2.56E-09	2.53E-06	1.67E-06	1.85E-04	2.30E-04	2.53E-03	1.90E-04	6.11E-05	3.01E-03
2420	496218.25	3859642.96	0.05326	0.08463	0.0296	0.01919	1.99E-04	2.52E-03	1.88E-04	6.06E-05	2.97E-03	1.81E-04	2.56E-09	2.51E-06	1.65E-06	1.85E-04	2.30E-04	2.52E-03	1.88E-04	6.06E-05	3.00E-03
2421	496318.25	3859642.96	0.05282	0.08311	0.0294	0.01896	1.97E-04	2.48E-03	1.88E-04	5.99E-05	2.92E-03	1.79E-04	2.51E-09	2.50E-06	1.63E-06	1.83E-04	2.28E-04	2.48E-03	1.88E-04	5.99E-05	2.95E-03
2422	496418.25	3859642.96	0.05144	0.07848	0.0293	0.01853	1.92E-04	2.34E-03	1.87E-04	5.85E-05	2.78E-03	1.75E-04	2.37E-09	2.49E-06	1.60E-06	1.79E-04	2.22E-04	2.34E-03	1.87E-04	5.85E-05	2.81E-03
2423	495718.25	3859742.96	0.05434	0.09365	0.0289	0.01973	2.03E-04	2.79E-03	1.84E-04	6.23E-05	3.24E-03	1.84E-04	2.83E-09	2.46E-06	1.70E-06	1.89E-04	2.34E-04	2.79E-03	1.84E-04	6.23E-05	3.28E-03
2424	495818.25	3859742.96	0.05374	0.09107	0.0289	0.01948	2.01E-04	2.72E-03	1.85E-04	6.15E-05	3.16E-03	1.82E-04	2.75E-09	2.46E-06	1.68E-06	1.87E-04	2.32E-04	2.72E-03	1.85E-04	6.15E-05	3.19E-03
2425	495918.25	3859742.96	0.05326	0.08917	0.0288	0.01925	1.99E-04	2.66E-03	1.84E-04	6.08E-05	3.10E-03	1.81E-04	2.69E-09	2.45E-06	1.66E-06	1.85E-04	2.30E-04	2.66E-03	1.84E-04	6.08E-05	3.13E-03
2426	496018.25	3859742.96	0.05274	0.08717	0.0288	0.01902	1.97E-04	2.60E-03	1.83E-04	6.01E-05	3.04E-03	1.79E-04	2.63E-09	2.45E-06	1.64E-06	1.83E-04	2.28E-04	2.60E-03	1.83E-04	6.01E-05	3.07E-03
2427	496118.25	3859742.96	0.05268	0.08733	0.0284	0.01886	1.97E-04	2.61E-03	1.81E-04	5.95E-05	3.04E-03	1.79E-04	2.64E-09	2.42E-06	1.62E-06	1.83E-04	2.27E-04	2.61E-03	1.81E-04	5.95E-05	3.07E-03
2428	496218.25	3859742.96	0.05268	0.0879	0.028	0.0187	1.97E-04	2.62E-03	1.79E-04	5.90E-05	3.06E-03	1.79E-04	2.65E-09	2.38E-06	1.61E-06	1.83E-04	2.27E-04	2.62E-03	1.79E-04	5.90E-05	3.09E-03
2429	496318.25	3859742.96	0.0517	0.08368	0.0282	0.01842	1.93E-04	2.50E-03	1.80E-04	5.82E-05	2.93E-03	1.76E-04	2.53E-09	2.40E-06	1.59E-06	1.80E-04	2.23E-04	2.50E-03	1.80E-04	5.82E-05	2.96E-03
2430	496418.25	3859742.96	0.05076	0.08	0.0283	0.01818	1.89E-04	2.39E-03	1.81E-04	5.74E-05	2.81E-03	1.72E-04	2.42E-09	2.41E-06	1.57E-06	1.76E-04	2.19E-04	2.39E-03	1.81E-04	5.74E-05	2.84E-03
2431	495718.25	3859842.96	0.05339	0.09682	0.0269	0.01903	1.99E-04	2.89E-03	1.72E-04	6.01E-05	3.32E-03	1.81E-04	2.92E-09	2.29E-06	1.64E-06	1.85E-04	2.30E-04	2.89E-03	1.72E-04	6.01E-05	3.35E-03
2432	495818.25	3859842.96	0.05298	0.09472	0.027	0.01884	1.98E-04	2.83E-03	1.72E-04	5.95E-05	3.26E-03	1.80E-04	2.86E-09	2.29E-06	1.62E-06	1.84E-04	2.29E-04	2.83E-03	1.72E-04	5.95E-05	3.29E-03
2433	495918.25	3859842.96	0.05255	0.09259	0.027	0.01864	1.96E-04	2.76E-03	1.72E-04	5.89E-05	3.19E-03	1.78E-04	2.80E-09	2.30E-06	1.61E-06	1.82E-04	2.27E-04	2.76E-03	1.72E-04	5.89E-05	3.22E-03
2434	496018.25	3859842.96	0.05221	0.09127	0.0269	0.01845	1.95E-04	2.72E-03	1.72E-04	5.83E-05	3.15E-03	1.77E-04	2.76E-09	2.29E-06	1.59E-06	1.81E-04	2.25E-04	2.72E-03	1.72E-04	5.83E-05	3.18E-03
2435	496118.25	3859842.96	0.0522	0.09209	0.0264	0.01827	1.95E-04	2.75E-03	1.68E-04	5.77E-05	3.17E-03	1.77E-04	2.78E-09	2.24E-06	1.57E-06	1.81E-04	2.25E-04	2.75E-03	1.68E-04	5.77E-05	3.20E-03
2436	496218.25	3859842.96	0.05143	0.08794	0.0268	0.01808	1.92E-04	2.62E-03	1.71E-04	5.71E-05	3.04E-03	1.75E-04	2.66E-09	2.28E-06	1.56E-06	1.78E-04	2.22E-04	2.62E-03	1.71E-04	5.71E-05	3.07E-03

2437	496318.25	3859842.96	0.04982	0.08069	0.0275	0.01773	1.86E-04	2.41E-03	1.76E-04	5.60E-05	2.82E-03	1.69E-04	2.44E-09	2.34E-06	1.53E-06	1.73E-04	2.15E-04	2.41E-03	1.76E-04	5.60E-05	2.85E-03
2438	496418.25	3859842.96	0.0485	0.07622	0.0275	0.01733	1.81E-04	2.27E-03	1.75E-04	5.47E-05	2.68E-03	1.65E-04	2.30E-09	2.34E-06	1.49E-06	1.68E-04	2.09E-04	2.27E-03	1.75E-04	5.47E-05	2.71E-03
2439	495718.25	3859942.96	0.05219	0.09929	0.0249	0.01826	1.95E-04	2.96E-03	1.59E-04	5.77E-05	3.37E-03	1.77E-04	3.00E-09	2.11E-06	1.57E-06	1.81E-04	2.25E-04	2.96E-03	1.59E-04	5.77E-05	3.40E-03
2440	495818.25	3859942.96	0.05182	0.09696	0.025	0.0181	1.93E-04	2.89E-03	1.60E-04	5.71E-05	3.30E-03	1.76E-04	2.93E-09	2.13E-06	1.56E-06	1.80E-04	2.24E-04	2.89E-03	1.60E-04	5.71E-05	3.33E-03
2441	495918.25	3859942.96	0.05151	0.09531	0.025	0.01793	1.92E-04	2.84E-03	1.60E-04	5.66E-05	3.25E-03	1.75E-04	2.88E-09	2.13E-06	1.54E-06	1.79E-04	2.22E-04	2.84E-03	1.60E-04	5.66E-05	3.28E-03
2442	496018.25	3859942.96	0.05133	0.09519	0.0247	0.01772	1.92E-04	2.84E-03	1.58E-04	5.59E-05	3.24E-03	1.74E-04	2.87E-09	2.10E-06	1.53E-06	1.78E-04	2.21E-04	2.84E-03	1.58E-04	5.59E-05	3.27E-03
2443	496118.25	3859942.96	0.05082	0.0918	0.0251	0.0176	1.90E-04	2.74E-03	1.60E-04	5.56E-05	3.14E-03	1.73E-04	2.77E-09	2.14E-06	1.52E-06	1.76E-04	2.19E-04	2.74E-03	1.60E-04	5.56E-05	3.17E-03
2444	496218.25	3859942.96	0.05	0.08663	0.0259	0.01746	1.87E-04	2.58E-03	1.65E-04	5.51E-05	2.99E-03	1.70E-04	2.62E-09	2.20E-06	1.50E-06	1.73E-04	2.16E-04	2.58E-03	1.65E-04	5.51E-05	3.02E-03
2445	496318.25	3859942.96	0.04898	0.08166	0.0264	0.01722	1.83E-04	2.44E-03	1.69E-04	5.44E-05	2.84E-03	1.66E-04	2.47E-09	2.25E-06	1.48E-06	1.70E-04	2.11E-04	2.44E-03	1.69E-04	5.44E-05	2.87E-03
2446	496418.25	3859942.96	0.04735	0.07553	0.0267	0.01678	1.77E-04	2.25E-03	1.70E-04	5.30E-05	2.65E-03	1.61E-04	2.28E-09	2.27E-06	1.44E-06	1.64E-04	2.04E-04	2.25E-03	1.70E-04	5.30E-05	2.68E-03
2447	496856.82	3858864.83	0.04884	0.05645	0.0341	0.01867	1.82E-04	1.68E-03	2.18E-04	5.89E-05	2.14E-03	1.66E-04	1.70E-09	2.90E-06	1.61E-06	1.70E-04	2.11E-04	1.68E-03	2.18E-04	5.89E-05	2.17E-03
2448	496956.82	3858864.83	0.04823	0.05548	0.0336	0.01843	1.80E-04	1.66E-03	2.14E-04	5.82E-05	2.11E-03	1.64E-04	1.68E-09	2.85E-06	1.59E-06	1.68E-04	2.08E-04	1.66E-03	2.14E-04	5.82E-05	2.14E-03
2449	497056.82	3858864.83	0.04765	0.05455	0.033	0.01821	1.78E-04	1.63E-03	2.11E-04	5.75E-05	2.07E-03	1.62E-04	1.65E-09	2.81E-06	1.57E-06	1.66E-04	2.06E-04	1.63E-03	2.11E-04	5.75E-05	2.10E-03
2450	497156.82	3858864.83	0.04687	0.05345	0.0324	0.01795	1.75E-04	1.59E-03	2.07E-04	5.67E-05	2.03E-03	1.59E-04	1.61E-09	2.76E-06	1.55E-06	1.63E-04	2.02E-04	1.59E-03	2.07E-04	5.67E-05	2.06E-03
2451	497256.82	3858864.83	0.04674	0.05298	0.0322	0.01779	1.74E-04	1.58E-03	2.05E-04	5.62E-05	2.02E-03	1.59E-04	1.60E-09	2.74E-06	1.53E-06	1.63E-04	2.02E-04	1.58E-03	2.05E-04	5.62E-05	2.04E-03
2452	496856.82	3858964.83	0.04963	0.05875	0.0343	0.01865	1.85E-04	1.75E-03	2.19E-04	5.89E-05	2.22E-03	1.68E-04	1.77E-09	2.91E-06	1.61E-06	1.73E-04	2.14E-04	1.75E-03	2.19E-04	5.89E-05	2.24E-03
2453	496956.82	3858964.83	0.04869	0.05738	0.0336	0.01835	1.82E-04	1.71E-03	2.14E-04	5.79E-05	2.17E-03	1.65E-04	1.73E-09	2.86E-06	1.58E-06	1.70E-04	2.10E-04	1.71E-03	2.14E-04	5.79E-05	2.19E-03
2454	497056.82	3858964.83	0.04802	0.05632	0.0331	0.0181	1.79E-04	1.68E-03	2.11E-04	5.71E-05	2.13E-03	1.63E-04	1.70E-09	2.82E-06	1.56E-06	1.67E-04	2.07E-04	1.68E-03	2.11E-04	5.71E-05	2.16E-03
2455	497156.82	3858964.83	0.04733	0.05524	0.0326	0.01786	1.77E-04	1.65E-03	2.08E-04	5.64E-05	2.09E-03	1.61E-04	1.67E-09	2.77E-06	1.54E-06	1.65E-04	2.04E-04	1.65E-03	2.08E-04	5.64E-05	2.12E-03
2456	497256.82	3858964.83	0.04786	0.05547	0.0327	0.0178	1.79E-04	1.65E-03	2.09E-04	5.62E-05	2.10E-03	1.62E-04	1.68E-09	2.78E-06	1.53E-06	1.67E-04	2.07E-04	1.65E-03	2.09E-04	5.62E-05	2.13E-03
2457	496856.82	3859064.83	0.04966	0.06031	0.034	0.01848	1.85E-04	1.80E-03	2.17E-04	5.83E-05	2.26E-03	1.69E-04	1.82E-09	2.89E-06	1.59E-06	1.73E-04	2.14E-04	1.80E-03	2.17E-04	5.83E-05	2.29E-03
2458	496956.82	3859064.83	0.04894	0.0591	0.0335	0.01822	1.83E-04	1.76E-03	2.13E-04	5.75E-05	2.22E-03	1.66E-04	1.78E-09	2.85E-06	1.57E-06	1.71E-04	2.11E-04	1.76E-03	2.13E-04	5.75E-05	2.25E-03
2459	497056.82	3859064.83	0.04837	0.0581	0.033	0.01799	1.80E-04	1.73E-03	2.11E-04	5.68E-05	2.18E-03	1.64E-04	1.75E-09	2.81E-06	1.55E-06	1.69E-04	2.09E-04	1.73E-03	2.11E-04	5.68E-05	2.21E-03
2460	497156.82	3859064.83	0.04791	0.05722	0.0327	0.01778	1.79E-04	1.71E-03	2.08E-04	5.61E-05	2.15E-03	1.63E-04	1.73E-09	2.78E-06	1.53E-06	1.67E-04	2.07E-04	1.71E-03	2.08E-04	5.61E-05	2.18E-03
2461	497256.82	3859064.83	0.04882	0.05793	0.0332	0.01777	1.82E-04	1.73E-03	2.11E-04	5.61E-05	2.18E-03	1.66E-04	1.75E-09	2.82E-06	1.53E-06	1.70E-04	2.11E-04	1.73E-03	2.11E-04	5.61E-05	2.21E-03
2462	496856.82	3859164.83	0.04912	0.06121	0.0331	0.01822	1.83E-04	1.83E-03	2.11E-04	5.75E-05	2.28E-03	1.67E-04	1.85E-09	2.82E-06	1.57E-06	1.71E-04	2.12E-04	1.83E-03	2.11E-04	5.75E-05	2.31E-03
2463	496956.82	3859164.83	0.04835	0.05989	0.0326	0.01794	1.80E-04	1.79E-03	2.08E-04	5.66E-05	2.23E-03	1.64E-04	1.81E-09	2.77E-06	1.54E-06	1.68E-04	2.09E-04	1.79E-03	2.08E-04	5.66E-05	2.26E-03
2464	497056.82	3859164.83	0.04813	0.05924	0.0325	0.01776	1.80E-04	1.77E-03	2.07E-04	5.61E-05	2.21E-03	1.63E-04	1.79E-09	2.76E-06	1.53E-06	1.68E-04	2.08E-04	1.77E-03	2.07E-04	5.61E-05	2.24E-03
2465	497156.82	3859164.83	0.04851	0.05933	0.0327	0.01769	1.81E-04	1.77E-03	2.08E-04	5.59E-05	2.22E-03	1.65E-04	1.79E-09	2.78E-06	1.52E-06	1.69E-04	2.09E-04	1.77E-03	2.08E-04	5.59E-05	2.24E-03
2466	497256.82	3859164.83	0.0496	0.06038	0.0334	0.01773	1.85E-04	1.80E-03	2.13E-04	5.60E-05	2.26E-03	1.68E-04	1.82E-09	2.84E-06	1.53E-06	1.73E-04	2.14E-04	1.80E-03	2.13E-04	5.60E-05	2.28E-03
2467	496856.82	3859264.83	0.0482	0.06164	0.0318	0.01788	1.80E-04	1.84E-03	2.03E-04	5.65E-05	2.28E-03	1.64E-04	1.86E-09	2.70E-06	1.54E-06	1.68E-04	2.08E-04	1.84E-03	2.03E-04	5.65E-05	2.31E-03
2468	496956.82	3859264.83	0.0482	0.06122	0.0318	0.01773	1.80E-04	1.83E-03	2.03E-04	5.60E-05	2.26E-03	1.64E-04	1.85E-09	2.70E-06	1.53E-06	1.68E-04	2.08E-04	1.83E-03	2.03E-04	5.60E-05	2.29E-03
2469	497056.82	3859264.83	0.04864	0.06141	0.0321	0.01766	1.81E-04	1.83E-03	2.05E-04	5.58E-05	2.27E-03	1.65E-04	1.85E-09	2.73E-06	1.52E-06	1.69E-04	2.10E-04	1.83E-03	2.05E-04	5.58E-05	2.30E-03
2470	497156.82	3859264.83	0.04896	0.06148	0.0323	0.01758	1.83E-04	1.83E-03	2.06E-04	5.55E-05	2.28E-03	1.66E-04	1.86E-09	2.75E-06	1.51E-06	1.70E-04	2.11E-04	1.83E-03	2.06E-04	5.55E-05	2.31E-03
2471	497256.82	3859264.83	0.04979	0.06233	0.0328	0.01759	1.86E-04	1.86E-03	2.09E-04	5.55E-05	2.31E-03	1.69E-04	1.88E-09	2.79E-06	1.51E-06	1.73E-04	2.15E-04	1.86E-03	2.09E-04	5.55E-05	2.34E-03
2472	497088.92	3858620.93	0.04549	0.04917	0.0329	0.01829	1.70E-04	1.47E-03	2.10E-04	5.77E-05	1.90E-03	1.54E-04	1.48E-09	2.80E-06	1.57E-06	1.59E-04	1.96E-04	1.47E-03	2.10E-04	5.77E-05	1.93E-03
2473	497138.92	3858620.93	0.04548	0.04901	0.0328	0.01822	1.70E-04	1.46E-03	2.09E-04	5.75E-05	1.90E-03	1.54E-04	1.48E-09	2.79E-06	1.57E-06	1.59E-04	1.96E-04	1.46E-03	2.09E-04	5.75E-05	1.93E-03
2474	497188.92	3858620.93	0.04498	0.04856	0.0324	0.01807	1.68E-04	1.45E-03	2.07E-04	5.71E-05	1.88E-03	1.53E-04	1.47E-09	2.76E-06	1.56E-06	1.57E-04	1.94E-04	1.45E-03	2.07E-04	5.71E-05	1.91E-03
2475	497238.92	3858620.93	0.0448	0.04826	0.0323	0.01798	1.67E-04	1.44E-03	2.06E-04	5.68E-05	1.87E-03	1.52E-04	1.46E-09	2.75E-06	1.55E-06	1.56E-04	1.93E-04	1.44E-03	2.06E-04	5.68E-05	1.90E-03
2476	497088.92	3858670.93	0.0452	0.04966	0.0323	0.01816	1.69E-04	1.48E-03	2.06E-04	5.73E-05	1.91E-03	1.53E-04	1.50E-09	2.75E-06	1.56E-06	1.58E-04	1.95E-04	1.48E-03	2.06E-04	5.73E-05	1.94E-03
2477	497138.92	3858670.93	0.04545	0.04973	0.0323	0.01812	1.70E-04	1.48E-03	2.06E-04	5.72E-05	1.92E-03	1.54E-04	1.50E-09	2.75E-06	1.56E-06	1.59E-04	1.96E-04	1.48E-03	2.06E-04	5.72E-05	1.94E-03
2478	497188.92	3858670.93	0.04509	0.04927	0.0321	0.01801	1.68E-04	1.47E-03	2.05E-04	5.69E-05	1.90E-03	1.53E-04	1.49E-09	2.73E-06	1.55E-06	1.57E-04	1.95E-04	1.47E-03	2.05E-04	5.69E-05	1.93E-03
2479	497238.92	3858670.93	0.04506	0.0491	0.032	0.01793	1.68E-04	1.46E-03	2.04E-04	5.66E-05	1.89E-03	1.53E-04	1.48E-09	2.72E-06	1.54E-06	1.57E-04	1.94E-04	1.46E-03	2.04E-04	5.66E-05	1.92E-03
2480	497088.92	3858720.93	0.04614	0.05108	0.0325	0.01819	1.72E-04	1.52E-03	2.07E-04	5.74E-05	1.96E-03	1.57E-04	1.54E-09	2.76E-06	1.57E-06	1.61E-04	1.99E-04	1.52E-03	2.07E-04	5.74E-05	1.99E-03
2481	497138.92	3858720.93	0.04499	0.04997	0.0319	0.01799	1.68E-04	1.49E-03	2.03E-04	5.68E-05	1.92E-03	1.53E-04	1.51E-09	2.71E-06	1.55E-06	1.57E-04	1.94E-04	1.49E-03	2.03E-04	5.68E-05	1.94E-03
2482	497188.92	3858720.93	0.0448	0.04964	0.0317	0.01789	1.67E-04	1.48E-03	2.02E-04	5.65E-05	1.91E-03	1.52E-04	1.50E-09	2.69E-06	1.54E-06	1.56E-04	1.93E-04	1.48E-03	2.02E-04	5.65E-05	1.93E-03
2483	497238.92	3858720.93	0.04552	0.05005	0.032	0.0179	1.70E-04	1.49E-03	2.04E-04	5.65E-05	1.92E-03	1.55E-04	1.51E-09	2.72E-06	1.54E-06	1.59E-04	1.96E-04	1.49E-03	2.04E-04	5.65E-05	1.95E-03
2484	497088.92	3858770.93	0.04624	0.05183	0.0323	0.01811	1.73E-04	1.55E-03	2.06E-04	5.72E-05	1.98E-03	1.57E-04	1.57E-09	2.75E-06	1.56E-06	1.61E-04	2.00E-04	1.55E-03	2.06E-04	5.72E-05	2.01E-03
2485	497138.92	3858770.93	0.04582	0.05128	0.032	0.01799	1.71E-04	1.53E-03	2.04E-04	5.68E-05	1.96E-03	1.56E-04	1.55E-09	2.72E-06	1.55E-06	1.60E-04	1.98E-04	1.53E-03	2.04E-04	5.68E-05	1.99E-03
2486	497188.92	3858770.93	0.0457	0.05088	0.032	0.01793	1.71E-04	1.52E-03	2.04E-04	5.66E-05	1.95E-03	1.55E-04	1.54E-09	2.72E-06	1.54E-06	1.59E-04	1.97E-04	1.52E-03	2.04E-04	5.66E-05	1.98E-03
2487	497238.92	3858770.93	0.0459	0.05102	0.0319	0.01786	1.71E-04	1.52E-03	2.03E-04	5.64E-05	1.95E-03	1.56E-04	1.54E-09	2.71E-06	1.54E-06	1.60E-04	1.98E-04	1.52E-03	2.03E-04	5.64E-05	1.98E-03
2488	497396.65	3858622.63	0.04685	0.04955	0.0328	0.018	1.75E-04	1.48E-03	2.09E-04	5.68E-05	1.92E-03	1.59E-04	1.50E-09	2.79E-06	1.55E-06	1.63E-04	2.02E-04	1.48E-03	2.09E-04	5.68E-05	1.95E-03
2489	497496.65	3858622.63	0.04793	0.05024	0.033	0.01802	1.79E-04	1.50E-03	2.10E-04	5.69E-05	1.95E-03	1.63E-04	1.52E-09	2.81E-06	1.55E-06	1.67E-04	2.07E-04	1.50E-03	2.10E-04	5.69E-05	1.97E-03
2490	497596.65	3858622.63	0.04999	0.05174	0.0342	0.01819	1.87E-04	1.54E-03	2.18E-04	5.74E-05	2.01E-03	1.70E-04	1.56E-09	2.91E-06	1.57E-06	1.74E-04	2.16E-04	1.54E-03	2.18E-04	5.74E-05	2.03E-03
2491	497696.65	3858622.63	0.05045	0.05209	0.0341	0.01812	1.88E-04	1.55E-03	2.18E-04	5.72E-05	2.02E-03	1.71E-04	1.57E-09	2.90E-06	1.56E-06	1.76E-04	2.18E-04	1.55E-03	2.18E-04	5.72E-05	2.05E-03
2492	497796.65	3858622.63	0.0516	0.05302	0.0344	0.01818	1.93E-04	1.58E-03	2.19E-04	5.74E-05	2.05E-03	1.75E-04	1.60E-09	2.92E-06	1.57E-06	1.80E-04	2.23E-04	1.58E-03	2.19E-04	5.74E-05	2.08E-03
2493	497896.65	3858622.63	0.05273	0.05402	0.0347	0.01823	1.97E-04	1.61E-03	2.21E-04	5.76E-05	2.09E-03	1.79E-04	1.63E-09	2.95E-06	1.57E-06	1.84E-04	2.28E-04	1.61E-03	2.21E-04	5.76E-05	2.12E-03
2494	497396.65	3858722.63	0.04782	0.05169	0.0327	0.01798	1.78E-04	1.54E-03	2.09E-04	5.68E-05	1.99E-03	1.62E-04	1.56E-09	2.78E-06	1.55E-06	1.67E-04	2.06E-04	1.54E-03	2.09E-04	5.68E-05	2.01E-03
2495	497496.65	3858722.63	0.0489	0.05243	0.0333	0.01799	1.82E-04	1.56E-03	2.12E-04	5.68E-05	2.02E-03	1.66E-04	1.58E-09	2.83E-06	1.55E-06	1.70E-04	2.11E-04	1.56E-03	2.12E-04	5.68E-05	2.04E-03
2496	497596.65	3858722.63	0.05069	0.05392	0.034	0.01814	1.89E-04	1.61E-03	2.17E-04	5.73E-05	2.07E-03	1.72E-04	1.63E-09	2.89E-06	1.56E-06	1.77E-04	2.19E-04	1.61E-03	2.17E-04	5.73E-05	2.10E-03
2497	497696.65	3858722.63	0.05168	0.05472	0.0342	0.01816	1.93E-04	1.63E-03	2.18E-04	5.73E-05	2.10E-03	1.75E-04	1.65E-09	2.91E-06	1.56E-06	1.80E-04	2.23E-04	1.63E-03	2.18E-04	5.73E-05	2.13E-03

2498	497796.65	3858722.63	0.05217	0.05504	0.0343	0.01811	1.95E-04	1.64E-03	2.19E-04	5.72E-05	2.11E-03	1.77E-04	1.66E-09	2.92E-06	1.56E-06	1.82E-04	2.25E-04	1.64E-03	2.19E-04	5.72E-05	2.14E-03
2499	497896.65	3858722.63	0.05292	0.05569	0.0346	0.01812	1.97E-04	1.66E-03	2.21E-04	5.72E-05	2.14E-03	1.80E-04	1.68E-09	2.94E-06	1.56E-06	1.84E-04	2.28E-04	1.66E-03	2.21E-04	5.72E-05	2.17E-03
2500	497396.65	3858822.63	0.04818	0.05339	0.033	0.01787	1.80E-04	1.59E-03	2.10E-04	5.64E-05	2.04E-03	1.64E-04	1.61E-09	2.80E-06	1.54E-06	1.68E-04	2.08E-04	1.59E-03	2.10E-04	5.64E-05	2.07E-03
2501	497496.65	3858822.63	0.04909	0.05401	0.0332	0.01788	1.83E-04	1.61E-03	2.12E-04	5.65E-05	2.06E-03	1.67E-04	1.63E-09	2.82E-06	1.54E-06	1.71E-04	2.12E-04	1.61E-03	2.12E-04	5.65E-05	2.09E-03
2502	497596.65	3858822.63	0.05127	0.05591	0.0344	0.01811	1.91E-04	1.67E-03	2.19E-04	5.72E-05	2.14E-03	1.74E-04	1.69E-09	2.93E-06	1.56E-06	1.79E-04	2.21E-04	1.67E-03	2.19E-04	5.72E-05	2.17E-03
2503	497696.65	3858822.63	0.05181	0.05643	0.0343	0.01804	1.93E-04	1.68E-03	2.19E-04	5.70E-05	2.15E-03	1.76E-04	1.70E-09	2.92E-06	1.55E-06	1.80E-04	2.24E-04	1.68E-03	2.19E-04	5.70E-05	2.18E-03
2504	497796.65	3858822.63	0.05239	0.05672	0.0348	0.01804	1.95E-04	1.69E-03	2.22E-04	5.70E-05	2.17E-03	1.78E-04	1.71E-09	2.96E-06	1.55E-06	1.82E-04	2.26E-04	1.69E-03	2.22E-04	5.70E-05	2.20E-03
2505	497896.65	3858822.63	0.05351	0.05807	0.0352	0.01807	2.00E-04	1.73E-03	2.24E-04	5.71E-05	2.21E-03	1.82E-04	1.75E-09	2.99E-06	1.56E-06	1.86E-04	2.31E-04	1.73E-03	2.24E-04	5.71E-05	2.24E-03
2506	497396.65	3858922.63	0.04857	0.05519	0.033	0.01779	1.81E-04	1.65E-03	2.10E-04	5.62E-05	2.09E-03	1.65E-04	1.67E-09	2.80E-06	1.53E-06	1.69E-04	2.10E-04	1.65E-03	2.10E-04	5.62E-05	2.12E-03
2507	497496.65	3858922.63	0.05029	0.0568	0.0338	0.01791	1.88E-04	1.69E-03	2.16E-04	5.65E-05	2.15E-03	1.71E-04	1.72E-09	2.88E-06	1.54E-06	1.75E-04	2.17E-04	1.69E-03	2.16E-04	5.65E-05	2.18E-03
2508	497596.65	3858922.63	0.05029	0.05652	0.0337	0.01779	1.88E-04	1.69E-03	2.15E-04	5.62E-05	2.14E-03	1.71E-04	1.71E-09	2.87E-06	1.53E-06	1.75E-04	2.17E-04	1.69E-03	2.15E-04	5.62E-05	2.17E-03
2509	497696.65	3858922.63	0.05226	0.0585	0.0352	0.01801	1.95E-04	1.75E-03	2.24E-04	5.69E-05	2.22E-03	1.77E-04	1.77E-09	2.99E-06	1.55E-06	1.82E-04	2.26E-04	1.75E-03	2.24E-04	5.69E-05	2.25E-03
2510	497796.65	3858922.63	0.05303	0.05946	0.0353	0.01798	1.98E-04	1.77E-03	2.25E-04	5.68E-05	2.25E-03	1.80E-04	1.80E-09	3.00E-06	1.55E-06	1.85E-04	2.29E-04	1.77E-03	2.25E-04	5.68E-05	2.28E-03
2511	497896.65	3858922.63	0.05452	0.06136	0.0365	0.01818	2.03E-04	1.83E-03	2.33E-04	5.74E-05	2.32E-03	1.85E-04	1.85E-09	3.11E-06	1.57E-06	1.90E-04	2.35E-04	1.83E-03	2.33E-04	5.74E-05	2.36E-03
2512	497364.44	3858201.52	0.04475	0.04357	0.0361	0.01832	1.67E-04	1.30E-03	2.30E-04	5.78E-05	1.75E-03	1.52E-04	1.32E-09	3.07E-06	1.58E-06	1.57E-04	1.93E-04	1.30E-03	2.30E-04	5.78E-05	1.78E-03
2513	497414.44	3858201.52	0.04548	0.04396	0.0362	0.01834	1.70E-04	1.31E-03	2.31E-04	5.79E-05	1.77E-03	1.54E-04	1.33E-09	3.08E-06	1.58E-06	1.59E-04	1.96E-04	1.31E-03	2.31E-04	5.79E-05	1.80E-03
2514	497464.44	3858201.52	0.04594	0.04423	0.0362	0.01833	1.71E-04	1.32E-03	2.31E-04	5.79E-05	1.78E-03	1.56E-04	1.34E-09	3.08E-06	1.58E-06	1.61E-04	1.98E-04	1.32E-03	2.31E-04	5.79E-05	1.81E-03
2515	497514.44	3858201.52	0.04593	0.04424	0.0361	0.01827	1.71E-04	1.32E-03	2.30E-04	5.77E-05	1.78E-03	1.56E-04	1.34E-09	3.07E-06	1.57E-06	1.61E-04	1.98E-04	1.32E-03	2.30E-04	5.77E-05	1.81E-03
2516	497564.44	3858201.52	0.04575	0.04404	0.0359	0.0182	1.71E-04	1.31E-03	2.29E-04	5.75E-05	1.77E-03	1.55E-04	1.33E-09	3.05E-06	1.57E-06	1.60E-04	1.97E-04	1.31E-03	2.29E-04	5.75E-05	1.80E-03
2517	497614.44	3858201.52	0.04586	0.04407	0.0358	0.01816	1.71E-04	1.31E-03	2.28E-04	5.73E-05	1.77E-03	1.56E-04	1.33E-09	3.04E-06	1.56E-06	1.60E-04	1.98E-04	1.31E-03	2.28E-04	5.73E-05	1.80E-03
2518	497364.44	3858251.52	0.04555	0.04465	0.0358	0.01835	1.70E-04	1.33E-03	2.28E-04	5.79E-05	1.79E-03	1.55E-04	1.35E-09	3.04E-06	1.58E-06	1.59E-04	1.97E-04	1.33E-03	2.28E-04	5.79E-05	1.81E-03
2519	497414.44	3858251.52	0.04625	0.04512	0.0359	0.01839	1.73E-04	1.35E-03	2.29E-04	5.81E-05	1.81E-03	1.57E-04	1.36E-09	3.05E-06	1.58E-06	1.62E-04	2.00E-04	1.35E-03	2.29E-04	5.81E-05	1.83E-03
2520	497464.44	3858251.52	0.04588	0.04475	0.0356	0.01828	1.71E-04	1.34E-03	2.27E-04	5.77E-05	1.79E-03	1.56E-04	1.35E-09	3.03E-06	1.57E-06	1.60E-04	1.98E-04	1.34E-03	2.27E-04	5.77E-05	1.82E-03
2521	497514.44	3858251.52	0.0454	0.04429	0.0354	0.01817	1.69E-04	1.32E-03	2.25E-04	5.74E-05	1.77E-03	1.54E-04	1.34E-09	3.01E-06	1.56E-06	1.59E-04	1.96E-04	1.32E-03	2.25E-04	5.74E-05	1.80E-03
2522	497564.44	3858251.52	0.04527	0.04411	0.0352	0.0181	1.69E-04	1.32E-03	2.24E-04	5.71E-05	1.77E-03	1.54E-04	1.33E-09	2.99E-06	1.56E-06	1.58E-04	1.95E-04	1.32E-03	2.24E-04	5.71E-05	1.79E-03
2523	497614.44	3858251.52	0.04514	0.04394	0.035	0.01804	1.68E-04	1.31E-03	2.24E-04	5.70E-05	1.76E-03	1.53E-04	1.33E-09	2.98E-06	1.55E-06	1.58E-04	1.95E-04	1.31E-03	2.24E-04	5.70E-05	1.79E-03
2524	497364.44	3858301.52	0.04572	0.04521	0.0353	0.01836	1.71E-04	1.35E-03	2.25E-04	5.80E-05	1.80E-03	1.55E-04	1.37E-09	3.00E-06	1.58E-06	1.60E-04	1.97E-04	1.35E-03	2.25E-04	5.80E-05	1.83E-03
2525	497414.44	3858301.52	0.04612	0.0455	0.0353	0.01833	1.72E-04	1.36E-03	2.25E-04	5.79E-05	1.81E-03	1.57E-04	1.37E-09	3.00E-06	1.58E-06	1.61E-04	1.99E-04	1.36E-03	2.25E-04	5.79E-05	1.84E-03
2526	497464.44	3858301.52	0.04562	0.04503	0.035	0.01821	1.70E-04	1.34E-03	2.23E-04	5.75E-05	1.79E-03	1.55E-04	1.36E-09	2.98E-06	1.57E-06	1.59E-04	1.97E-04	1.34E-03	2.23E-04	5.75E-05	1.82E-03
2527	497514.44	3858301.52	0.04531	0.0447	0.0348	0.01812	1.69E-04	1.33E-03	2.22E-04	5.72E-05	1.78E-03	1.54E-04	1.35E-09	2.96E-06	1.56E-06	1.58E-04	1.96E-04	1.33E-03	2.22E-04	5.72E-05	1.81E-03
2528	497564.44	3858301.52	0.0448	0.0442	0.0345	0.018	1.67E-04	1.32E-03	2.20E-04	5.68E-05	1.76E-03	1.52E-04	1.33E-09	2.94E-06	1.55E-06	1.57E-04	1.93E-04	1.32E-03	2.20E-04	5.68E-05	1.79E-03
2529	497614.44	3858301.52	0.04465	0.044	0.0344	0.01793	1.67E-04	1.31E-03	2.19E-04	5.66E-05	1.76E-03	1.52E-04	1.33E-09	2.92E-06	1.54E-06	1.56E-04	1.93E-04	1.31E-03	2.19E-04	5.66E-05	1.78E-03
2530	497364.44	3858351.52	0.04594	0.04594	0.0349	0.01832	1.71E-04	1.37E-03	2.22E-04	5.78E-05	1.82E-03	1.56E-04	1.39E-09	2.97E-06	1.58E-06	1.61E-04	1.98E-04	1.37E-03	2.22E-04	5.78E-05	1.85E-03
2531	497414.44	3858351.52	0.04564	0.04561	0.0346	0.01823	1.70E-04	1.36E-03	2.21E-04	5.76E-05	1.81E-03	1.55E-04	1.38E-09	2.95E-06	1.57E-06	1.59E-04	1.97E-04	1.36E-03	2.21E-04	5.76E-05	1.84E-03
2532	497464.44	3858351.52	0.04554	0.04544	0.0345	0.01816	1.70E-04	1.36E-03	2.20E-04	5.73E-05	1.80E-03	1.55E-04	1.37E-09	2.93E-06	1.56E-06	1.59E-04	1.97E-04	1.36E-03	2.20E-04	5.73E-05	1.83E-03
2533	497514.44	3858351.52	0.04529	0.04516	0.0343	0.01807	1.69E-04	1.35E-03	2.19E-04	5.71E-05	1.79E-03	1.54E-04	1.36E-09	2.92E-06	1.56E-06	1.58E-04	1.95E-04	1.35E-03	2.19E-04	5.71E-05	1.82E-03
2534	497564.44	3858351.52	0.04466	0.04457	0.034	0.01793	1.67E-04	1.33E-03	2.17E-04	5.66E-05	1.77E-03	1.52E-04	1.35E-09	2.89E-06	1.54E-06	1.56E-04	1.93E-04	1.33E-03	2.17E-04	5.66E-05	1.80E-03
2535	497614.44	3858351.52	0.04453	0.04438	0.0338	0.01786	1.66E-04	1.32E-03	2.16E-04	5.64E-05	1.76E-03	1.51E-04	1.34E-09	2.88E-06	1.54E-06	1.56E-04	1.92E-04	1.32E-03	2.16E-04	5.64E-05	1.79E-03
2536	497364.44	3858401.52	0.0456	0.04609	0.0344	0.01824	1.70E-04	1.38E-03	2.19E-04	5.76E-05	1.82E-03	1.55E-04	1.39E-09	2.92E-06	1.57E-06	1.59E-04	1.97E-04	1.38E-03	2.19E-04	5.76E-05	1.85E-03
2537	497414.44	3858401.52	0.04539	0.04592	0.0341	0.01814	1.69E-04	1.37E-03	2.18E-04	5.73E-05	1.81E-03	1.54E-04	1.39E-09	2.90E-06	1.56E-06	1.59E-04	1.96E-04	1.37E-03	2.18E-04	5.73E-05	1.84E-03
2538	497464.44	3858401.52	0.04506	0.04556	0.0339	0.01804	1.68E-04	1.36E-03	2.16E-04	5.70E-05	1.80E-03	1.53E-04	1.38E-09	2.88E-06	1.55E-06	1.57E-04	1.94E-04	1.36E-03	2.16E-04	5.70E-05	1.83E-03
2539	497514.44	3858401.52	0.0449	0.04534	0.0337	0.01797	1.68E-04	1.35E-03	2.15E-04	5.67E-05	1.79E-03	1.52E-04	1.37E-09	2.87E-06	1.55E-06	1.57E-04	1.94E-04	1.35E-03	2.15E-04	5.67E-05	1.82E-03
2540	497564.44	3858401.52	0.04541	0.04563	0.0338	0.01796	1.69E-04	1.36E-03	2.16E-04	5.67E-05	1.80E-03	1.54E-04	1.38E-09	2.88E-06	1.55E-06	1.59E-04	1.96E-04	1.36E-03	2.16E-04	5.67E-05	1.83E-03
2541	497614.44	3858401.52	0.04607	0.04597	0.034	0.01799	1.72E-04	1.37E-03	2.17E-04	5.68E-05	1.82E-03	1.56E-04	1.39E-09	2.89E-06	1.55E-06	1.61E-04	1.99E-04	1.37E-03	2.17E-04	5.68E-05	1.84E-03
2542	493478.11	3860497.94	0.04768	0.15538	0.0145	0.0176	1.78E-04	4.64E-03	9.22E-05	5.56E-05	4.96E-03	1.62E-04	4.69E-09	1.23E-06	1.52E-06	1.65E-04	2.06E-04	4.64E-03	9.22E-05	5.56E-05	4.99E-03
2543	493528.11	3860497.94	0.04781	0.15384	0.0145	0.01752	1.78E-04	4.59E-03	9.27E-05	5.53E-05	4.92E-03	1.62E-04	4.65E-09	1.24E-06	1.51E-06	1.65E-04	2.06E-04	4.59E-03	9.27E-05	5.53E-05	4.94E-03
2544	493478.11	3860547.94	0.04632	0.15277	0.0139	0.01712	1.73E-04	4.56E-03	8.84E-05	5.41E-05	4.87E-03	1.57E-04	4.61E-09	1.18E-06	1.47E-06	1.60E-04	2.00E-04	4.56E-03	8.84E-05	5.41E-05	4.90E-03
2545	493528.11	3860547.94	0.04645	0.15139	0.0139	0.01705	1.73E-04	4.52E-03	8.87E-05	5.38E-05	4.83E-03	1.58E-04	4.57E-09	1.18E-06	1.47E-06	1.60E-04	2.00E-04	4.52E-03	8.87E-05	5.38E-05	4.86E-03
2546	493478.11	3860597.94	0.045	0.15014	0.0133	0.01663	1.68E-04	4.48E-03	8.50E-05	5.25E-05	4.78E-03	1.53E-04	4.53E-09	1.13E-06	1.43E-06	1.55E-04	1.94E-04	4.48E-03	8.50E-05	5.25E-05	4.81E-03
2547	493528.11	3860597.94	0.04514	0.14869	0.0134	0.01658	1.68E-04	4.44E-03	8.52E-05	5.23E-05	4.74E-03	1.53E-04	4.49E-09	1.14E-06	1.43E-06	1.56E-04	1.95E-04	4.44E-03	8.52E-05	5.23E-05	4.77E-03
2548	493561.88	3860524.64	0.04718	0.15146	0.0143	0.01721	1.76E-04	4.52E-03	9.09E-05	5.43E-05	4.84E-03	1.60E-04	4.57E-09	1.21E-06	1.48E-06	1.63E-04	2.04E-04	4.52E-03	9.09E-05	5.43E-05	4.87E-03
2549	493591.88	3860524.64	0.0473	0.15052	0.0143	0.01715	1.76E-04	4.49E-03	9.13E-05	5.41E-05	4.81E-03	1.61E-04	4.55E-09	1.22E-06	1.48E-06	1.63E-04	2.04E-04	4.49E-03	9.13E-05	5.41E-05	4.84E-03
2550	493561.88	3860554.64	0.04637	0.15003	0.0139	0.01694	1.73E-04	4.48E-03	8.85E-05	5.35E-05	4.79E-03	1.57E-04	4.53E-09	1.18E-06	1.46E-06	1.60E-04	2.00E-04	4.48E-03	8.85E-05	5.35E-05	4.82E-03
2551	493591.88	3860554.64	0.04653	0.14899	0.014	0.01687	1.74E-04	4.44E-03	8.90E-05	5.33E-05	4.76E-03	1.58E-04	4.50E-09	1.19E-06	1.45E-06	1.61E-04	2.01E-04	4.44E-03	8.90E-05	5.33E-05	4.79E-03
2552	492880.5	3860293.11	0.05089	0.19101	0.0157	0.02158	1.90E-04	5.70E-03	1.00E-04	6.81E-05	6.06E-03	1.73E-04	5.77E-09	1.33E-06	1.86E-06	1.76E-04	2.20E-04	5.70E-03	1.00E-04	6.81E-05	6.09E-03
2553	492930.5	3860293.11	0.05122	0.18847	0.0159	0.02137	1.91E-04	5.62E-03	1.01E-04	6.75E-05	5.98E-03	1.74E-04	5.69E-09	1.35E-06	1.84E-06	1.77E-04	2.21E-04	5.62E-03	1.01E-04	6.75E-05	6.01E-03
2554	492980.5	3860293.11	0.05156	0.18588	0.0161	0.02117	1.92E-04	5.55E-03	1.03E-04	6.68E-05	5.91E-03	1.75E-04	5.61E-09	1.37E-06	1.82E-06	1.78E-04	2.22E-04	5.55E-03	1.03E-04	6.68E-05	5.94E-03
2555	493030.5	3860293.11	0.05211	0.18214	0.0163	0.02089	1.94E-04	5.43E-03	1.04E-04	6.60E-05	5.80E-03	1.77E-04	5.50E-09	1.38E-06	1.80E-06	1.80E-04	2.25E-04	5.43E-03	1.04E-04	6.60E-05	5.83E-03
2556	493080.5	3860293.11	0.05263	0.17727	0.016	0.02069	1.96E-04	5.29E-03	1.02E-04	6.53E-05	5.65E-03	1.79E-04	5.35E-09	1.36E-06	1.78E-06	1.82E-04	2.27E-04	5.29E-03	1.02E-04	6.53E-05	5.68E-03
2557	493130.5	3860293.11	0.05261	0.17709	0.0163	0.02057	1.96E-04	5.28E-03	1.04E-04	6.49E-05	5.65E-03	1.79E-04	5.35E-09	1.39E-06	1.77E-06	1.82E-04	2.27E-04	5.28E-03	1.04E-04	6.49E-05	5.68E-03
2558	493180.5	3860293.11	0.05258	0.1762	0.0166	0.02047	1.96E-04	5.26E-03	1.06E-04	6.46E-05	5.62E-03	1.79E-04	5.32E-09	1.41E-06	1.76E-06	1.82E-04	2.27E-04	5.26E-03	1.06E-04	6.46E-05	5.65E-03

2559	493230.5	3860293.11	0.05269	0.17436	0.0168	0.02034	1.97E-04	5.20E-03	1.07E-04	6.42E-05	5.57E-03	1.79E-04	5.27E-09	1.43E-06	1.75E-06	1.82E-04	2.27E-04	5.20E-03	1.07E-04	6.42E-05	5.60E-03
2560	493280.5	3860293.11	0.05298	0.17151	0.0167	0.02016	1.98E-04	5.12E-03	1.07E-04	6.37E-05	5.48E-03	1.80E-04	5.18E-09	1.42E-06	1.74E-06	1.83E-04	2.29E-04	5.12E-03	1.07E-04	6.37E-05	5.52E-03
2561	493330.5	3860293.11	0.05315	0.16915	0.0168	0.02002	1.98E-04	5.05E-03	1.07E-04	6.32E-05	5.41E-03	1.80E-04	5.11E-09	1.42E-06	1.72E-06	1.84E-04	2.29E-04	5.05E-03	1.07E-04	6.32E-05	5.45E-03
2562	493380.5	3860293.11	0.05327	0.16706	0.0168	0.01988	1.99E-04	4.98E-03	1.07E-04	6.28E-05	5.35E-03	1.81E-04	5.04E-09	1.43E-06	1.71E-06	1.84E-04	2.30E-04	4.98E-03	1.07E-04	6.28E-05	5.38E-03
2563	492880.5	3860343.11	0.04928	0.18793	0.015	0.02097	1.84E-04	5.61E-03	9.57E-05	6.62E-05	5.95E-03	1.67E-04	5.68E-09	1.28E-06	1.81E-06	1.70E-04	2.13E-04	5.61E-03	9.57E-05	6.62E-05	5.98E-03
2564	492930.5	3860343.11	0.04958	0.18558	0.0151	0.02079	1.85E-04	5.54E-03	9.65E-05	6.56E-05	5.88E-03	1.68E-04	5.60E-09	1.29E-06	1.79E-06	1.71E-04	2.14E-04	5.54E-03	9.65E-05	6.56E-05	5.91E-03
2565	492980.5	3860343.11	0.05021	0.18232	0.0156	0.02046	1.87E-04	5.44E-03	9.93E-05	6.46E-05	5.79E-03	1.70E-04	5.51E-09	1.32E-06	1.76E-06	1.74E-04	2.17E-04	5.44E-03	9.93E-05	6.46E-05	5.82E-03
2566	493030.5	3860343.11	0.05046	0.18007	0.0157	0.02031	1.88E-04	5.37E-03	1.00E-04	6.41E-05	5.72E-03	1.71E-04	5.44E-09	1.34E-06	1.75E-06	1.74E-04	2.18E-04	5.37E-03	1.00E-04	6.41E-05	5.75E-03
2567	493080.5	3860343.11	0.05099	0.17624	0.0156	0.02008	1.90E-04	5.26E-03	9.98E-05	6.34E-05	5.61E-03	1.73E-04	5.32E-09	1.33E-06	1.73E-06	1.76E-04	2.20E-04	5.26E-03	9.98E-05	6.34E-05	5.64E-03
2568	493130.5	3860343.11	0.05112	0.17471	0.0158	0.01996	1.91E-04	5.21E-03	1.01E-04	6.30E-05	5.57E-03	1.74E-04	5.28E-09	1.34E-06	1.72E-06	1.77E-04	2.21E-04	5.21E-03	1.01E-04	6.30E-05	5.60E-03
2569	493180.5	3860343.11	0.05108	0.17387	0.016	0.01989	1.91E-04	5.19E-03	1.02E-04	6.28E-05	5.54E-03	1.73E-04	5.25E-09	1.36E-06	1.71E-06	1.76E-04	2.20E-04	5.19E-03	1.02E-04	6.28E-05	5.57E-03
2570	493230.5	3860343.11	0.05124	0.17199	0.0161	0.01977	1.91E-04	5.13E-03	1.03E-04	6.24E-05	5.49E-03	1.74E-04	5.19E-09	1.37E-06	1.70E-06	1.77E-04	2.21E-04	5.13E-03	1.03E-04	6.24E-05	5.52E-03
2571	493280.5	3860343.11	0.05155	0.16936	0.0162	0.01959	1.92E-04	5.05E-03	1.03E-04	6.19E-05	5.41E-03	1.75E-04	5.11E-09	1.38E-06	1.69E-06	1.78E-04	2.22E-04	5.05E-03	1.03E-04	6.19E-05	5.44E-03
2572	493330.5	3860343.11	0.05179	0.16695	0.0162	0.01944	1.93E-04	4.98E-03	1.03E-04	6.14E-05	5.34E-03	1.76E-04	5.04E-09	1.38E-06	1.67E-06	1.79E-04	2.23E-04	4.98E-03	1.03E-04	6.14E-05	5.37E-03
2573	493380.5	3860343.11	0.05193	0.16502	0.0163	0.01932	1.94E-04	4.92E-03	1.04E-04	6.10E-05	5.28E-03	1.76E-04	4.98E-09	1.38E-06	1.66E-06	1.79E-04	2.24E-04	4.92E-03	1.04E-04	6.10E-05	5.31E-03
2574	492880.5	3860393.11	0.04771	0.1847	0.0144	0.02037	1.78E-04	5.51E-03	9.19E-05	6.43E-05	5.84E-03	1.62E-04	5.58E-09	1.23E-06	1.75E-06	1.65E-04	2.06E-04	5.51E-03	9.19E-05	6.43E-05	5.87E-03
2575	492930.5	3860393.11	0.04807	0.18235	0.0146	0.02017	1.79E-04	5.44E-03	9.28E-05	6.37E-05	5.78E-03	1.63E-04	5.51E-09	1.24E-06	1.74E-06	1.66E-04	2.07E-04	5.44E-03	9.28E-05	6.37E-05	5.80E-03
2576	492980.5	3860393.11	0.04852	0.17985	0.0148	0.01993	1.81E-04	5.37E-03	9.43E-05	6.29E-05	5.70E-03	1.65E-04	5.43E-09	1.26E-06	1.72E-06	1.68E-04	2.09E-04	5.37E-03	9.43E-05	6.29E-05	5.73E-03
2577	493030.5	3860393.11	0.04888	0.17742	0.015	0.01974	1.82E-04	5.29E-03	9.55E-05	6.23E-05	5.63E-03	1.66E-04	5.36E-09	1.27E-06	1.70E-06	1.69E-04	2.11E-04	5.29E-03	9.55E-05	6.23E-05	5.66E-03
2578	493080.5	3860393.11	0.04943	0.17409	0.0153	0.01949	1.84E-04	5.19E-03	9.74E-05	6.15E-05	5.54E-03	1.68E-04	5.26E-09	1.30E-06	1.68E-06	1.71E-04	2.13E-04	5.19E-03	9.74E-05	6.15E-05	5.57E-03
2579	493130.5	3860393.11	0.04953	0.1727	0.0154	0.0194	1.85E-04	5.15E-03	9.79E-05	6.13E-05	5.50E-03	1.68E-04	5.22E-09	1.31E-06	1.67E-06	1.71E-04	2.14E-04	5.15E-03	9.79E-05	6.13E-05	5.53E-03
2580	493180.5	3860393.11	0.04953	0.17147	0.0152	0.01935	1.85E-04	5.12E-03	9.72E-05	6.11E-05	5.46E-03	1.68E-04	5.18E-09	1.30E-06	1.67E-06	1.71E-04	2.14E-04	5.12E-03	9.72E-05	6.11E-05	5.49E-03
2581	493230.5	3860393.11	0.04975	0.16949	0.0154	0.01922	1.86E-04	5.06E-03	9.80E-05	6.07E-05	5.40E-03	1.69E-04	5.12E-09	1.31E-06	1.66E-06	1.72E-04	2.15E-04	5.06E-03	9.80E-05	6.07E-05	5.43E-03
2582	493280.5	3860393.11	0.05012	0.16699	0.0156	0.01903	1.87E-04	4.98E-03	9.98E-05	6.01E-05	5.33E-03	1.70E-04	5.04E-09	1.33E-06	1.64E-06	1.73E-04	2.16E-04	4.98E-03	9.98E-05	6.01E-05	5.36E-03
2583	493330.5	3860393.11	0.05038	0.16473	0.0157	0.01888	1.88E-04	4.91E-03	1.00E-04	5.96E-05	5.26E-03	1.71E-04	4.97E-09	1.34E-06	1.63E-06	1.74E-04	2.17E-04	4.91E-03	1.00E-04	5.96E-05	5.29E-03
2584	493380.5	3860393.11	0.05056	0.1628	0.0158	0.01876	1.89E-04	4.86E-03	1.01E-04	5.92E-05	5.21E-03	1.72E-04	4.92E-09	1.34E-06	1.62E-06	1.75E-04	2.18E-04	4.86E-03	1.01E-04	5.92E-05	5.23E-03
2585	492880.5	3860443.11	0.04627	0.18123	0.0139	0.01975	1.73E-04	5.41E-03	8.89E-05	6.24E-05	5.73E-03	1.57E-04	5.47E-09	1.18E-06	1.70E-06	1.60E-04	2.00E-04	5.41E-03	8.89E-05	6.24E-05	5.76E-03
2586	492930.5	3860443.11	0.04651	0.17913	0.014	0.01961	1.74E-04	5.34E-03	8.92E-05	6.19E-05	5.67E-03	1.58E-04	5.41E-09	1.19E-06	1.69E-06	1.61E-04	2.01E-04	5.34E-03	8.92E-05	6.19E-05	5.70E-03
2587	492980.5	3860443.11	0.0469	0.17698	0.0141	0.0194	1.75E-04	5.28E-03	9.01E-05	6.13E-05	5.61E-03	1.59E-04	5.34E-09	1.20E-06	1.67E-06	1.62E-04	2.02E-04	5.28E-03	9.01E-05	6.13E-05	5.63E-03
2588	493030.5	3860443.11	0.0473	0.17464	0.0143	0.0192	1.76E-04	5.21E-03	9.12E-05	6.06E-05	5.54E-03	1.61E-04	5.27E-09	1.22E-06	1.65E-06	1.63E-04	2.04E-04	5.21E-03	9.12E-05	6.06E-05	5.57E-03
2589	493080.5	3860443.11	0.04758	0.17257	0.0144	0.01905	1.78E-04	5.15E-03	9.19E-05	6.01E-05	5.48E-03	1.62E-04	5.21E-09	1.23E-06	1.64E-06	1.64E-04	2.05E-04	5.15E-03	9.19E-05	6.01E-05	5.51E-03
2590	493130.5	3860443.11	0.04785	0.17053	0.0145	0.01891	1.79E-04	5.09E-03	9.26E-05	5.97E-05	5.42E-03	1.62E-04	5.15E-09	1.23E-06	1.63E-06	1.65E-04	2.06E-04	5.09E-03	9.26E-05	5.97E-05	5.45E-03
2591	493180.5	3860443.11	0.04791	0.16896	0.0145	0.01887	1.79E-04	5.04E-03	9.24E-05	5.96E-05	5.37E-03	1.63E-04	5.10E-09	1.23E-06	1.62E-06	1.66E-04	2.07E-04	5.04E-03	9.24E-05	5.96E-05	5.40E-03
2592	493230.5	3860443.11	0.04833	0.1667	0.0147	0.01866	1.80E-04	4.97E-03	9.40E-05	5.89E-05	5.31E-03	1.64E-04	5.03E-09	1.25E-06	1.61E-06	1.67E-04	2.09E-04	4.97E-03	9.40E-05	5.89E-05	5.33E-03
2593	493280.5	3860443.11	0.04863	0.16463	0.0149	0.01851	1.81E-04	4.91E-03	9.51E-05	5.84E-05	5.25E-03	1.65E-04	4.97E-09	1.27E-06	1.59E-06	1.68E-04	2.10E-04	4.91E-03	9.51E-05	5.84E-05	5.27E-03
2594	493330.5	3860443.11	0.04898	0.1623	0.0152	0.01834	1.83E-04	4.84E-03	9.67E-05	5.79E-05	5.18E-03	1.66E-04	4.90E-09	1.29E-06	1.58E-06	1.69E-04	2.11E-04	4.84E-03	9.67E-05	5.79E-05	5.21E-03
2595	493380.5	3860443.11	0.04912	0.16069	0.0152	0.01824	1.83E-04	4.79E-03	9.72E-05	5.76E-05	5.13E-03	1.67E-04	4.85E-09	1.30E-06	1.57E-06	1.70E-04	2.12E-04	4.79E-03	9.72E-05	5.76E-05	5.16E-03
2596	493180.5	3860493.11	0.04652	0.16592	0.014	0.0183	1.74E-04	4.95E-03	8.90E-05	5.78E-05	5.27E-03	1.58E-04	5.01E-09	1.19E-06	1.58E-06	1.61E-04	2.01E-04	4.95E-03	8.90E-05	5.78E-05	5.30E-03
2597	493230.5	3860493.11	0.04685	0.16397	0.0141	0.01814	1.75E-04	4.89E-03	8.99E-05	5.73E-05	5.21E-03	1.59E-04	4.95E-09	1.20E-06	1.56E-06	1.62E-04	2.02E-04	4.89E-03	8.99E-05	5.73E-05	5.24E-03
2598	493280.5	3860493.11	0.04719	0.16198	0.0143	0.01799	1.76E-04	4.83E-03	9.10E-05	5.68E-05	5.16E-03	1.60E-04	4.89E-09	1.21E-06	1.55E-06	1.63E-04	2.04E-04	4.83E-03	9.10E-05	5.68E-05	5.18E-03
2599	493330.5	3860493.11	0.04746	0.16009	0.0144	0.01785	1.77E-04	4.78E-03	9.20E-05	5.64E-05	5.10E-03	1.61E-04	4.83E-09	1.23E-06	1.54E-06	1.64E-04	2.05E-04	4.78E-03	9.20E-05	5.64E-05	5.13E-03
2600	493380.5	3860493.11	0.04762	0.15851	0.0145	0.01777	1.78E-04	4.73E-03	9.23E-05	5.61E-05	5.05E-03	1.62E-04	4.79E-09	1.23E-06	1.53E-06	1.64E-04	2.05E-04	4.73E-03	9.23E-05	5.61E-05	5.08E-03
2601	493330.5	3860543.11	0.04605	0.15744	0.0138	0.01735	1.72E-04	4.70E-03	8.82E-05	5.48E-05	5.01E-03	1.56E-04	4.75E-09	1.18E-06	1.49E-06	1.59E-04	1.99E-04	4.70E-03	8.82E-05	5.48E-05	5.04E-03
2602	493380.5	3860543.11	0.04621	0.15591	0.0139	0.01728	1.72E-04	4.65E-03	8.84E-05	5.46E-05	4.97E-03	1.57E-04	4.71E-09	1.18E-06	1.49E-06	1.60E-04	1.99E-04	4.65E-03	8.84E-05	5.46E-05	4.99E-03
2603	494135.94	3860876.85	0.04049	0.12024	0.0116	0.01325	1.51E-04	3.59E-03	7.41E-05	4.18E-05	3.85E-03	1.37E-04	3.63E-09	9.88E-07	1.14E-06	1.40E-04	1.75E-04	3.59E-03	7.41E-05	4.18E-05	3.88E-03
2604	494185.94	3860876.85	0.04063	0.11928	0.0117	0.01321	1.52E-04	3.56E-03	7.45E-05	4.17E-05	3.83E-03	1.38E-04	3.60E-09	9.93E-07	1.14E-06	1.40E-04	1.75E-04	3.56E-03	7.45E-05	4.17E-05	3.85E-03
2605	494135.94	3860926.85	0.03938	0.11791	0.0112	0.01277	1.47E-04	3.52E-03	7.17E-05	4.03E-05	3.78E-03	1.34E-04	3.56E-09	9.56E-07	1.10E-06	1.36E-04	1.70E-04	3.52E-03	7.17E-05	4.03E-05	3.80E-03
2606	494185.94	3860926.85	0.03954	0.117	0.0113	0.01275	1.48E-04	3.49E-03	7.20E-05	4.03E-05	3.75E-03	1.34E-04	3.53E-09	9.60E-07	1.10E-06	1.36E-04	1.71E-04	3.49E-03	7.20E-05	4.03E-05	3.77E-03
2607	494135.94	3860976.85	0.0383	0.11559	0.0109	0.01232	1.43E-04	3.45E-03	6.97E-05	3.89E-05	3.70E-03	1.30E-04	3.49E-09	9.29E-07	1.06E-06	1.32E-04	1.65E-04	3.45E-03	6.97E-05	3.89E-05	3.72E-03
2608	494185.94	3860976.85	0.03847	0.11472	0.011	0.01231	1.44E-04	3.42E-03	6.98E-05	3.89E-05	3.67E-03	1.31E-04	3.46E-09	9.31E-07	1.06E-06	1.33E-04	1.66E-04	3.42E-03	6.98E-05	3.89E-05	3.70E-03
2609	494135.94	3861026.85	0.03723	0.11325	0.0106	0.0119	1.39E-04	3.38E-03	6.78E-05	3.76E-05	3.62E-03	1.26E-04	3.42E-09	9.04E-07	1.02E-06	1.28E-04	1.61E-04	3.38E-03	6.78E-05	3.76E-05	3.64E-03
2610	494185.94	3861026.85	0.03741	0.11243	0.0107	0.01189	1.40E-04	3.35E-03	6.79E-05	3.75E-05	3.60E-03	1.27E-04	3.40E-09	9.06E-07	1.02E-06	1.29E-04	1.61E-04	3.35E-03	6.79E-05	3.75E-05	3.62E-03
2611	494135.94	3861076.85	0.0362	0.11094	0.0104	0.0115	1.35E-04	3.31E-03	6.62E-05	3.63E-05	3.55E-03	1.23E-04	3.35E-09	8.83E-07	9.90E-07	1.25E-04	1.56E-04	3.31E-03	6.62E-05	3.63E-05	3.57E-03
2612	494185.94	3861076.85	0.03638	0.11015	0.0104	0.01148	1.36E-04	3.29E-03	6.63E-05	3.62E-05	3.52E-03	1.24E-04	3.33E-09	8.84E-07	9.89E-07	1.25E-04	1.57E-04	3.29E-03	6.63E-05	3.62E-05	3.55E-03
2613	490360.04	3858710.04	0.12494	0.3874	0.0711	0.05501	4.66E-04	1.16E-02	4.53E-04	1.74E-04	1.27E-02	4.24E-04	1.17E-08	6.04E-06	4.74E-06	4.35E-04	5.39E-04	1.16E-02	4.53E-04	1.74E-04	1.27E-02
2614	490410.04	3858710.04	0.12532	0.37794	0.0707	0.05441	4.68E-04	1.13E-02	4.51E-04	1.72E-04	1.24E-02	4.25E-04	1.14E-08	6.01E-06	4.69E-06	4.36E-04	5.41E-04	1.13E-02	4.51E-04	1.72E-04	1.24E-02
2615	490460.04	3858710.04	0.12578	0.36599	0.0704	0.05385	4.69E-04	1.09E-02	4.49E-04	1.70E-04	1.20E-02	4.27E-04	1.11E-08	5.99E-06	4.64E-06	4.38E-04	5.43E-04	1.09E-02	4.49E-04	1.70E-04	1.21E-02
2616	490510.04	3858710.04	0.12595	0.35723	0.0701	0.05331	4.70E-04	1.07E-02	4.47E-04	1.68E-04	1.17E-02	4.28E-04	1.08E-08	5.97E-06	4.59E-06	4.38E-04	5.43E-04	1.07E-02	4.47E-04	1.68E-04	1.18E-02
2617	490560.04	3858710.04	0.12599	0.34962	0.0699	0.05278	4.70E-04	1.04E-02	4.46E-04	1.67E-04	1.15E-02	4.28E-04	1.06E-08	5.95E-06	4.54E-06	4.38E-04	5.44E-04	1.04E-02	4.46E-04	1.67E-04	1.16E-02
2618	490610.04	3858710.04	0.12599	0.34177	0.0698	0.05227	4.70E-04	1.02E-02	4.45E-04	1.65E-04	1.13E-02	4.28E-04	1.03E-08	5.93E-06	4.50E-06	4.38E-04	5.44E-04	1.02E-02	4.45E-04	1.65E-04	1.13E-02
2619	490660.04	3858710.04	0.1258	0.33658	0.0696	0.05175	4.69E-04	1.00E-02	4.44E-04	1.63E-04	1.11E-02	4.27E-04	1.02E-08	5.92E-06	4.46E-06	4.37E-04	5.43E-04	1.00E-02	4.44E-04	1.63E-04	1.12E-02

2620	490710.04	3858710.04	0.12573	0.32755	0.0694	0.0513	4.69E-04	9.77E-03	4.43E-04	1.62E-04	1.08E-02	4.27E-04	9.89E-09	5.91E-06	4.42E-06	4.37E-04	5.43E-04	9.77E-03	4.43E-04	1.62E-04	1.09E-02
2621	490760.04	3858710.04	0.12555	0.31972	0.0693	0.05085	4.68E-04	9.54E-03	4.42E-04	1.61E-04	1.06E-02	4.26E-04	9.66E-09	5.90E-06	4.38E-06	4.37E-04	5.42E-04	9.54E-03	4.42E-04	1.61E-04	1.07E-02
2622	490810.04	3858710.04	0.12531	0.31208	0.0693	0.05041	4.68E-04	9.31E-03	4.42E-04	1.59E-04	1.04E-02	4.25E-04	9.42E-09	5.89E-06	4.34E-06	4.36E-04	5.41E-04	9.31E-03	4.42E-04	1.59E-04	1.05E-02
2623	490860.04	3858710.04	0.12504	0.30308	0.0693	0.05002	4.67E-04	9.04E-03	4.42E-04	1.58E-04	1.01E-02	4.25E-04	9.15E-09	5.89E-06	4.31E-06	4.35E-04	5.40E-04	9.04E-03	4.42E-04	1.58E-04	1.02E-02
2624	490360.04	3858760.04	0.12021	0.39849	0.0655	0.05653	4.49E-04	1.19E-02	4.18E-04	1.78E-04	1.29E-02	4.08E-04	1.20E-08	5.57E-06	4.87E-06	4.19E-04	5.19E-04	1.19E-02	4.18E-04	1.78E-04	1.30E-02
2625	490410.04	3858760.04	0.12074	0.38769	0.0652	0.05588	4.51E-04	1.16E-02	4.16E-04	1.76E-04	1.26E-02	4.10E-04	1.17E-08	5.55E-06	4.81E-06	4.20E-04	5.21E-04	1.16E-02	4.16E-04	1.76E-04	1.27E-02
2626	490460.04	3858760.04	0.12122	0.37636	0.065	0.05526	4.52E-04	1.12E-02	4.15E-04	1.74E-04	1.23E-02	4.12E-04	1.14E-08	5.53E-06	4.76E-06	4.22E-04	5.23E-04	1.12E-02	4.15E-04	1.74E-04	1.23E-02
2627	490510.04	3858760.04	0.1216	0.36504	0.0648	0.05469	4.54E-04	1.09E-02	4.14E-04	1.73E-04	1.19E-02	4.13E-04	1.10E-08	5.51E-06	4.71E-06	4.23E-04	5.25E-04	1.09E-02	4.14E-04	1.73E-04	1.20E-02
2628	490560.04	3858760.04	0.12179	0.35594	0.0647	0.05412	4.54E-04	1.06E-02	4.13E-04	1.71E-04	1.17E-02	4.13E-04	1.07E-08	5.50E-06	4.66E-06	4.24E-04	5.26E-04	1.06E-02	4.13E-04	1.71E-04	1.17E-02
2629	490610.04	3858760.04	0.12193	0.34653	0.0646	0.05358	4.55E-04	1.03E-02	4.12E-04	1.69E-04	1.14E-02	4.14E-04	1.05E-08	5.49E-06	4.61E-06	4.24E-04	5.26E-04	1.03E-02	4.12E-04	1.69E-04	1.14E-02
2630	490660.04	3858760.04	0.12196	0.33814	0.0645	0.05304	4.55E-04	1.01E-02	4.12E-04	1.67E-04	1.11E-02	4.14E-04	1.02E-08	5.49E-06	4.57E-06	4.24E-04	5.26E-04	1.01E-02	4.12E-04	1.67E-04	1.12E-02
2631	490710.04	3858760.04	0.12192	0.32988	0.0645	0.05253	4.55E-04	9.84E-03	4.11E-04	1.66E-04	1.09E-02	4.14E-04	9.96E-09	5.49E-06	4.52E-06	4.24E-04	5.26E-04	9.84E-03	4.11E-04	1.66E-04	1.09E-02
2632	490760.04	3858760.04	0.12184	0.32067	0.0645	0.05205	4.55E-04	9.57E-03	4.12E-04	1.64E-04	1.06E-02	4.14E-04	9.68E-09	5.49E-06	4.48E-06	4.24E-04	5.26E-04	9.57E-03	4.12E-04	1.64E-04	1.07E-02
2633	490810.04	3858760.04	0.12167	0.31216	0.0646	0.05157	4.54E-04	9.31E-03	4.12E-04	1.63E-04	1.03E-02	4.13E-04	9.43E-09	5.49E-06	4.44E-06	4.23E-04	5.25E-04	9.31E-03	4.12E-04	1.63E-04	1.04E-02
2634	490860.04	3858760.04	0.12142	0.30474	0.0646	0.05109	4.53E-04	9.09E-03	4.12E-04	1.61E-04	1.01E-02	4.12E-04	9.20E-09	5.50E-06	4.40E-06	4.22E-04	5.24E-04	9.09E-03	4.12E-04	1.61E-04	1.02E-02
2635	490360.04	3858810.04	0.11565	0.40717	0.0603	0.0581	4.32E-04	1.21E-02	3.85E-04	1.83E-04	1.31E-02	3.93E-04	1.23E-08	5.13E-06	5.00E-06	4.03E-04	4.99E-04	1.21E-02	3.85E-04	1.83E-04	1.32E-02
2636	490410.04	3858810.04	0.11628	0.39522	0.0602	0.0574	4.34E-04	1.18E-02	3.84E-04	1.81E-04	1.28E-02	3.95E-04	1.19E-08	5.12E-06	4.94E-06	4.05E-04	5.02E-04	1.18E-02	3.84E-04	1.81E-04	1.29E-02
2637	490460.04	3858810.04	0.11683	0.38329	0.0601	0.05673	4.36E-04	1.14E-02	3.83E-04	1.79E-04	1.24E-02	3.97E-04	1.16E-08	5.11E-06	4.89E-06	4.07E-04	5.04E-04	1.14E-02	3.83E-04	1.79E-04	1.25E-02
2638	490510.04	3858810.04	0.1172	0.37375	0.06	0.05607	4.37E-04	1.12E-02	3.83E-04	1.77E-04	1.21E-02	3.98E-04	1.13E-08	5.11E-06	4.83E-06	4.08E-04	5.06E-04	1.12E-02	3.83E-04	1.77E-04	1.22E-02
2639	490560.04	3858810.04	0.11751	0.36397	0.06	0.05544	4.38E-04	1.09E-02	3.83E-04	1.75E-04	1.19E-02	3.99E-04	1.10E-08	5.10E-06	4.77E-06	4.09E-04	5.07E-04	1.09E-02	3.83E-04	1.75E-04	1.19E-02
2640	490610.04	3858810.04	0.11781	0.35232	0.06	0.05486	4.40E-04	1.05E-02	3.82E-04	1.73E-04	1.15E-02	4.00E-04	1.06E-08	5.10E-06	4.72E-06	4.10E-04	5.08E-04	1.05E-02	3.82E-04	1.73E-04	1.16E-02
2641	490660.04	3858810.04	0.11796	0.34273	0.06	0.05428	4.40E-04	1.02E-02	3.82E-04	1.71E-04	1.12E-02	4.00E-04	1.03E-08	5.10E-06	4.67E-06	4.10E-04	5.09E-04	1.02E-02	3.82E-04	1.71E-04	1.13E-02
2642	490710.04	3858810.04	0.11805	0.33268	0.06	0.05372	4.40E-04	9.92E-03	3.83E-04	1.70E-04	1.09E-02	4.01E-04	1.00E-08	5.10E-06	4.63E-06	4.11E-04	5.09E-04	9.92E-03	3.83E-04	1.70E-04	1.10E-02
2643	490760.04	3858810.04	0.11808	0.32103	0.0602	0.05323	4.41E-04	9.58E-03	3.84E-04	1.68E-04	1.06E-02	4.01E-04	9.69E-09	5.12E-06	4.58E-06	4.11E-04	5.10E-04	9.58E-03	3.84E-04	1.68E-04	1.06E-02
2644	490810.04	3858810.04	0.11795	0.31492	0.0602	0.05263	4.40E-04	9.40E-03	3.84E-04	1.66E-04	1.04E-02	4.00E-04	9.51E-09	5.12E-06	4.53E-06	4.10E-04	5.09E-04	9.40E-03	3.84E-04	1.66E-04	1.05E-02
2645	490860.04	3858810.04	0.11781	0.30562	0.0604	0.05213	4.40E-04	9.12E-03	3.85E-04	1.65E-04	1.01E-02	4.00E-04	9.23E-09	5.14E-06	4.49E-06	4.10E-04	5.08E-04	9.12E-03	3.85E-04	1.65E-04	1.02E-02
2646	490360.04	3858860.04	0.11126	0.41285	0.0556	0.05972	4.15E-04	1.23E-02	3.54E-04	1.89E-04	1.33E-02	3.78E-04	1.25E-08	4.73E-06	5.14E-06	3.88E-04	4.80E-04	1.23E-02	3.54E-04	1.89E-04	1.33E-02
2647	490410.04	3858860.04	0.11177	0.40386	0.0556	0.05893	4.17E-04	1.20E-02	3.55E-04	1.86E-04	1.30E-02	3.79E-04	1.22E-08	4.73E-06	5.07E-06	3.89E-04	4.82E-04	1.20E-02	3.55E-04	1.86E-04	1.31E-02
2648	490460.04	3858860.04	0.11244	0.39021	0.0556	0.0582	4.20E-04	1.16E-02	3.55E-04	1.84E-04	1.26E-02	3.82E-04	1.18E-08	4.73E-06	5.01E-06	3.91E-04	4.85E-04	1.16E-02	3.55E-04	1.84E-04	1.27E-02
2649	490510.04	3858860.04	0.11282	0.3821	0.0556	0.05745	4.21E-04	1.14E-02	3.55E-04	1.81E-04	1.24E-02	3.83E-04	1.15E-08	4.73E-06	4.95E-06	3.93E-04	4.87E-04	1.14E-02	3.55E-04	1.81E-04	1.24E-02
2650	490560.04	3858860.04	0.11328	0.37028	0.0557	0.05676	4.23E-04	1.10E-02	3.55E-04	1.79E-04	1.20E-02	3.85E-04	1.12E-08	4.73E-06	4.89E-06	3.94E-04	4.89E-04	1.10E-02	3.55E-04	1.79E-04	1.21E-02
2651	490610.04	3858860.04	0.11373	0.356	0.0557	0.05614	4.24E-04	1.06E-02	3.55E-04	1.77E-04	1.16E-02	3.86E-04	1.08E-08	4.74E-06	4.83E-06	3.96E-04	4.91E-04	1.06E-02	3.55E-04	1.77E-04	1.16E-02
2652	490660.04	3858860.04	0.11397	0.34614	0.0558	0.05549	4.25E-04	1.03E-02	3.56E-04	1.75E-04	1.13E-02	3.87E-04	1.05E-08	4.74E-06	4.78E-06	3.96E-04	4.92E-04	1.03E-02	3.56E-04	1.75E-04	1.13E-02
2653	490710.04	3858860.04	0.1141	0.33815	0.0559	0.05482	4.26E-04	1.01E-02	3.56E-04	1.73E-04	1.10E-02	3.87E-04	1.02E-08	4.75E-06	4.72E-06	3.97E-04	4.92E-04	1.01E-02	3.56E-04	1.73E-04	1.11E-02
2654	490760.04	3858860.04	0.11423	0.3262	0.056	0.05425	4.26E-04	9.73E-03	3.57E-04	1.71E-04	1.07E-02	3.88E-04	9.85E-09	4.77E-06	4.67E-06	3.97E-04	4.93E-04	9.73E-03	3.57E-04	1.71E-04	1.08E-02
2655	490810.04	3858860.04	0.11425	0.31539	0.0563	0.05368	4.26E-04	9.41E-03	3.59E-04	1.69E-04	1.04E-02	3.88E-04	9.52E-09	4.79E-06	4.62E-06	3.97E-04	4.93E-04	9.41E-03	3.59E-04	1.69E-04	1.04E-02
2656	490860.04	3858860.04	0.11415	0.30472	0.0566	0.05314	4.26E-04	9.09E-03	3.61E-04	1.68E-04	1.00E-02	3.88E-04	9.20E-09	4.81E-06	4.58E-06	3.97E-04	4.93E-04	9.09E-03	3.61E-04	1.68E-04	1.01E-02
2657	490360.04	3858910.04	0.10658	0.42522	0.0513	0.06132	3.98E-04	1.27E-02	3.27E-04	1.94E-04	1.36E-02	3.62E-04	1.28E-08	4.36E-06	5.28E-06	3.71E-04	4.60E-04	1.27E-02	3.27E-04	1.94E-04	1.37E-02
2658	490410.04	3858910.04	0.10728	0.41285	0.0514	0.06045	4.00E-04	1.23E-02	3.28E-04	1.91E-04	1.32E-02	3.64E-04	1.25E-08	4.37E-06	5.21E-06	3.74E-04	4.63E-04	1.23E-02	3.28E-04	1.91E-04	1.33E-02
2659	490460.04	3858910.04	0.10795	0.40007	0.0515	0.05961	4.03E-04	1.19E-02	3.28E-04	1.88E-04	1.29E-02	3.66E-04	1.21E-08	4.38E-06	5.13E-06	3.76E-04	4.66E-04	1.19E-02	3.28E-04	1.88E-04	1.29E-02
2660	490510.04	3858910.04	0.10858	0.38696	0.0516	0.05882	4.05E-04	1.15E-02	3.29E-04	1.86E-04	1.25E-02	3.69E-04	1.17E-08	4.39E-06	5.06E-06	3.78E-04	4.69E-04	1.15E-02	3.29E-04	1.86E-04	1.25E-02
2661	490560.04	3858910.04	0.10915	0.37353	0.0517	0.05806	4.07E-04	1.11E-02	3.30E-04	1.83E-04	1.21E-02	3.71E-04	1.13E-08	4.39E-06	5.00E-06	3.80E-04	4.71E-04	1.11E-02	3.30E-04	1.83E-04	1.21E-02
2662	490610.04	3858910.04	0.10962	0.36038	0.0518	0.05735	4.09E-04	1.08E-02	3.30E-04	1.81E-04	1.17E-02	3.72E-04	1.09E-08	4.41E-06	4.94E-06	3.82E-04	4.73E-04	1.08E-02	3.30E-04	1.81E-04	1.17E-02
2663	490660.04	3858910.04	0.10996	0.34972	0.0519	0.05662	4.10E-04	1.04E-02	3.31E-04	1.79E-04	1.14E-02	3.73E-04	1.06E-08	4.42E-06	4.88E-06	3.83E-04	4.74E-04	1.04E-02	3.31E-04	1.79E-04	1.14E-02
2664	490710.04	3858910.04	0.11023	0.33806	0.0521	0.05595	4.11E-04	1.01E-02	3.33E-04	1.77E-04	1.10E-02	3.74E-04	1.02E-08	4.43E-06	4.82E-06	3.83E-04	4.76E-04	1.01E-02	3.33E-04	1.77E-04	1.11E-02
2665	490760.04	3858910.04	0.11043	0.32515	0.0524	0.05533	4.12E-04	9.70E-03	3.34E-04	1.75E-04	1.06E-02	3.75E-04	9.82E-09	4.46E-06	4.76E-06	3.84E-04	4.77E-04	9.70E-03	3.34E-04	1.75E-04	1.07E-02
2666	490810.04	3858910.04	0.1105	0.3157	0.0526	0.05467	4.12E-04	9.42E-03	3.36E-04	1.73E-04	1.03E-02	3.75E-04	9.53E-09	4.48E-06	4.71E-06	3.84E-04	4.77E-04	9.42E-03	3.36E-04	1.73E-04	1.04E-02
2667	490860.04	3858910.04	0.11047	0.30359	0.053	0.0541	4.12E-04	9.06E-03	3.38E-04	1.71E-04	9.98E-03	3.75E-04	9.17E-09	4.51E-06	4.66E-06	3.84E-04	4.77E-04	9.06E-03	3.38E-04	1.71E-04	1.00E-02
2668	490360.04	3858960.04	0.10227	0.43199	0.0472	0.0629	3.82E-04	1.29E-02	3.01E-04	1.99E-04	1.38E-02	3.47E-04	1.30E-08	4.01E-06	5.42E-06	3.57E-04	4.41E-04	1.29E-02	3.01E-04	1.99E-04	1.38E-02
2669	490410.04	3858960.04	0.10304	0.41751	0.0474	0.06193	3.84E-04	1.25E-02	3.02E-04	1.96E-04	1.33E-02	3.50E-04	1.26E-08	4.03E-06	5.33E-06	3.59E-04	4.45E-04	1.25E-02	3.02E-04	1.96E-04	1.34E-02
2670	490460.04	3858960.04	0.10379	0.40261	0.0476	0.06102	3.87E-04	1.20E-02	3.03E-04	1.93E-04	1.29E-02	3.52E-04	1.22E-08	4.05E-06	5.25E-06	3.62E-04	4.48E-04	1.20E-02	3.03E-04	1.93E-04	1.30E-02
2671	490510.04	3858960.04	0.10444	0.38935	0.0478	0.06014	3.90E-04	1.16E-02	3.05E-04	1.90E-04	1.25E-02	3.55E-04	1.18E-08	4.06E-06	5.18E-06	3.64E-04	4.51E-04	1.16E-02	3.05E-04	1.90E-04	1.26E-02
2672	490560.04	3858960.04	0.10502	0.37657	0.048	0.05929	3.92E-04	1.12E-02	3.06E-04	1.87E-04	1.21E-02	3.57E-04	1.14E-08	4.08E-06	5.11E-06	3.66E-04	4.53E-04	1.12E-02	3.06E-04	1.87E-04	1.22E-02
2673	490610.04	3858960.04	0.10557	0.36138	0.0482	0.05853	3.94E-04	1.08E-02	3.07E-04	1.85E-04	1.17E-02	3.58E-04	1.09E-08	4.10E-06	5.04E-06	3.68E-04	4.56E-04	1.08E-02	3.07E-04	1.85E-04	1.17E-02
2674	490660.04	3858960.04	0.10594	0.35296	0.0484	0.05769	3.95E-04	1.05E-02	3.08E-04	1.82E-04	1.14E-02	3.60E-04	1.07E-08	4.11E-06	4.97E-06	3.69E-04	4.57E-04	1.05E-02	3.08E-04	1.82E-04	1.15E-02
2675	490710.04	3858960.04	0.10632	0.33889	0.0487	0.05699	3.97E-04	1.01E-02	3.10E-04	1.80E-04	1.10E-02	3.61E-04	1.02E-08	4.14E-06	4.91E-06	3.70E-04	4.59E-04	1.01E-02	3.10E-04	1.80E-04	1.11E-02
2676	490760.04	3858960.04	0.10658	0.32673	0.0489	0.05629	3.98E-04	9.75E-03	3.12E-04	1.78E-04	1.06E-02	3.62E-04	9.87E-09	4.16E-06	4.85E-06	3.71E-04	4.60E-04	9.75E-03	3.12E-04	1.78E-04	1.07E-02
2677	490810.04	3858960.04	0.10673	0.31489	0.0493	0.05563	3.98E-04	9.39E-03	3.14E-04	1.76E-04	1.03E-02	3.62E-04	9.51E-09	4.19E-06	4.79E-06	3.71E-04	4.61E-04	9.39E-03	3.14E-04	1.76E-04	1.03E-02
2678	490860.04	3858960.04	0.10679	0.30194	0.0498	0.05504	3.98E-04	9.01E-03	3.17E-04	1.74E-04	9.90E-03	3.63E-04	9.12E-09	4.23E-06	4.74E-06	3.72E-04	4.61E-04	9.01E-03	3.17E-04	1.74E-04	9.96E-03
2679	490360.04	3859010.04	0.09813	0.43782	0.0434	0.06439	3.66E-04	1.31E-02	2.77E-04	2.03E-04	1.39E-02	3.33E-04	1.32E-08	3.69E-06	5.54E-06	3.42E-04	4.23E-04	1.31E-02	2.77E-04	2.03E-04	1.40E-02
2680	490410.04	3859010.04	0.09892	0.42156	0.0437	0.06334	3.69E-04	1.26E-02	2.79E-04	2.00E-04	1.34E-02	3.36E-04	1.27E-08	3.71E-06	5.45E-06	3.45E-04	4.27E-04	1.26E-02	2.79E-04	2.00E-04	1.35E-02

2681	490460.04	3859010.04	0.09973	0.40361	0.0439	0.06236	3.72E-04	1.20E-02	2.80E-04	1.97E-04	1.29E-02	3.39E-04	1.22E-08	3.74E-06	5.37E-06	3.48E-04	4.30E-04	1.20E-02	2.80E-04	1.97E-04	1.29E-02
2682	490510.04	3859010.04	0.10044	0.38689	0.0442	0.06143	3.75E-04	1.15E-02	2.82E-04	1.94E-04	1.24E-02	3.41E-04	1.17E-08	3.76E-06	5.29E-06	3.50E-04	4.33E-04	1.15E-02	2.82E-04	1.94E-04	1.25E-02
2683	490560.04	3859010.04	0.10099	0.37655	0.0445	0.06048	3.77E-04	1.12E-02	2.84E-04	1.91E-04	1.21E-02	3.43E-04	1.14E-08	3.78E-06	5.21E-06	3.52E-04	4.36E-04	1.12E-02	2.84E-04	1.91E-04	1.21E-02
2684	490610.04	3859010.04	0.10156	0.36129	0.0448	0.05964	3.79E-04	1.08E-02	2.86E-04	1.88E-04	1.16E-02	3.45E-04	1.09E-08	3.81E-06	5.14E-06	3.54E-04	4.38E-04	1.08E-02	2.86E-04	1.88E-04	1.17E-02
2685	490660.04	3859010.04	0.10199	0.35305	0.045	0.05873	3.81E-04	1.05E-02	2.87E-04	1.85E-04	1.14E-02	3.46E-04	1.07E-08	3.83E-06	5.06E-06	3.55E-04	4.40E-04	1.05E-02	2.87E-04	1.85E-04	1.14E-02
2686	490710.04	3859010.04	0.10242	0.33818	0.0454	0.05799	3.82E-04	1.01E-02	2.90E-04	1.83E-04	1.09E-02	3.48E-04	1.02E-08	3.86E-06	4.99E-06	3.57E-04	4.42E-04	1.01E-02	2.90E-04	1.83E-04	1.10E-02
2687	490760.04	3859010.04	0.10272	0.32512	0.0458	0.05727	3.83E-04	9.70E-03	2.92E-04	1.81E-04	1.06E-02	3.49E-04	9.82E-09	3.89E-06	4.93E-06	3.58E-04	4.43E-04	9.70E-03	2.92E-04	1.81E-04	1.06E-02
2688	490810.04	3859010.04	0.10294	0.31241	0.0462	0.05659	3.84E-04	9.32E-03	2.95E-04	1.79E-04	1.02E-02	3.49E-04	9.43E-09	3.93E-06	4.87E-06	3.58E-04	4.44E-04	9.32E-03	2.95E-04	1.79E-04	1.02E-02
2689	490860.04	3859010.04	0.1031	0.30114	0.0466	0.05591	3.85E-04	8.98E-03	2.97E-04	1.77E-04	9.84E-03	3.50E-04	9.09E-09	3.96E-06	4.81E-06	3.59E-04	4.45E-04	8.98E-03	2.97E-04	1.77E-04	9.90E-03
2690	490360.04	3859060.04	0.09424	0.44122	0.04	0.06578	3.52E-04	1.32E-02	2.55E-04	2.08E-04	1.40E-02	3.20E-04	1.33E-08	3.40E-06	5.66E-06	3.29E-04	4.07E-04	1.32E-02	2.55E-04	2.08E-04	1.40E-02
2691	490410.04	3859060.04	0.09509	0.4203	0.0402	0.06466	3.55E-04	1.25E-02	2.57E-04	2.04E-04	1.34E-02	3.23E-04	1.27E-08	3.42E-06	5.57E-06	3.32E-04	4.10E-04	1.25E-02	2.57E-04	2.04E-04	1.34E-02
2692	490460.04	3859060.04	0.0958	0.40344	0.0406	0.06359	3.57E-04	1.20E-02	2.59E-04	2.01E-04	1.29E-02	3.25E-04	1.22E-08	3.45E-06	5.48E-06	3.34E-04	4.13E-04	1.20E-02	2.59E-04	2.01E-04	1.29E-02
2693	490510.04	3859060.04	0.09645	0.38877	0.0409	0.06256	3.60E-04	1.16E-02	2.61E-04	1.98E-04	1.24E-02	3.27E-04	1.17E-08	3.48E-06	5.39E-06	3.36E-04	4.16E-04	1.16E-02	2.61E-04	1.98E-04	1.25E-02
2694	490560.04	3859060.04	0.09708	0.37243	0.0413	0.06163	3.62E-04	1.11E-02	2.63E-04	1.95E-04	1.19E-02	3.30E-04	1.12E-08	3.51E-06	5.31E-06	3.38E-04	4.19E-04	1.11E-02	2.63E-04	1.95E-04	1.20E-02
2695	490610.04	3859060.04	0.09761	0.36096	0.0416	0.06067	3.64E-04	1.08E-02	2.65E-04	1.92E-04	1.16E-02	3.31E-04	1.09E-08	3.54E-06	5.22E-06	3.40E-04	4.21E-04	1.08E-02	2.65E-04	1.92E-04	1.16E-02
2696	490660.04	3859060.04	0.0981	0.35038	0.0419	0.05975	3.66E-04	1.05E-02	2.67E-04	1.89E-04	1.13E-02	3.33E-04	1.06E-08	3.57E-06	5.15E-06	3.42E-04	4.23E-04	1.05E-02	2.67E-04	1.89E-04	1.13E-02
2697	490710.04	3859060.04	0.09853	0.33519	0.0424	0.05898	3.68E-04	1.00E-02	2.70E-04	1.86E-04	1.08E-02	3.35E-04	1.01E-08	3.60E-06	5.08E-06	3.43E-04	4.25E-04	1.00E-02	2.70E-04	1.86E-04	1.09E-02
2698	490760.04	3859060.04	0.09888	0.32187	0.0428	0.05823	3.69E-04	9.60E-03	2.73E-04	1.84E-04	1.04E-02	3.36E-04	9.72E-09	3.64E-06	5.01E-06	3.44E-04	4.27E-04	9.60E-03	2.73E-04	1.84E-04	1.05E-02
2699	490810.04	3859060.04	0.09916	0.30876	0.0433	0.05752	3.70E-04	9.21E-03	2.76E-04	1.82E-04	1.00E-02	3.37E-04	9.32E-09	3.68E-06	4.95E-06	3.45E-04	4.28E-04	9.21E-03	2.76E-04	1.82E-04	1.01E-02
2700	490860.04	3859060.04	0.09916	0.29725	0.0437	0.05683	3.70E-04	8.87E-03	2.79E-04	1.79E-04	9.70E-03	3.37E-04	8.98E-09	3.72E-06	4.89E-06	3.45E-04	4.28E-04	8.87E-03	2.79E-04	1.79E-04	9.75E-03
2701	490360.04	3859110.04	0.09051	0.4468	0.0369	0.06701	3.38E-04	1.33E-02	2.36E-04	2.12E-04	1.41E-02	3.07E-04	1.35E-08	3.14E-06	5.77E-06	3.16E-04	3.91E-04	1.33E-02	2.36E-04	2.12E-04	1.42E-02
2702	490410.04	3859110.04	0.09129	0.42508	0.0372	0.0658	3.41E-04	1.27E-02	2.37E-04	2.08E-04	1.35E-02	3.10E-04	1.28E-08	3.16E-06	5.67E-06	3.19E-04	3.94E-04	1.27E-02	2.37E-04	2.08E-04	1.35E-02
2703	490460.04	3859110.04	0.09193	0.40954	0.0375	0.06463	3.43E-04	1.22E-02	2.39E-04	2.04E-04	1.30E-02	3.12E-04	1.24E-08	3.19E-06	5.57E-06	3.21E-04	3.97E-04	1.22E-02	2.39E-04	2.04E-04	1.31E-02
2704	490510.04	3859110.04	0.09266	0.38662	0.0378	0.06365	3.46E-04	1.15E-02	2.41E-04	2.01E-04	1.23E-02	3.15E-04	1.17E-08	3.22E-06	5.48E-06	3.23E-04	4.00E-04	1.15E-02	2.41E-04	2.01E-04	1.24E-02
2705	490560.04	3859110.04	0.09324	0.37166	0.0382	0.06264	3.48E-04	1.11E-02	2.44E-04	1.98E-04	1.19E-02	3.17E-04	1.12E-08	3.25E-06	5.39E-06	3.25E-04	4.02E-04	1.11E-02	2.44E-04	1.98E-04	1.19E-02
2706	490610.04	3859110.04	0.09379	0.35618	0.0386	0.06172	3.50E-04	1.06E-02	2.46E-04	1.95E-04	1.14E-02	3.18E-04	1.08E-08	3.28E-06	5.31E-06	3.27E-04	4.05E-04	1.06E-02	2.46E-04	1.95E-04	1.15E-02
2707	490660.04	3859110.04	0.09425	0.33996	0.0391	0.06089	3.52E-04	1.01E-02	2.49E-04	1.92E-04	1.09E-02	3.20E-04	1.03E-08	3.32E-06	5.24E-06	3.29E-04	4.07E-04	1.01E-02	2.49E-04	1.92E-04	1.10E-02
2708	490710.04	3859110.04	0.09469	0.32942	0.0395	0.05998	3.53E-04	9.83E-03	2.52E-04	1.89E-04	1.06E-02	3.21E-04	9.95E-09	3.36E-06	5.16E-06	3.30E-04	4.09E-04	9.83E-03	2.52E-04	1.89E-04	1.07E-02
2709	490760.04	3859110.04	0.09508	0.31699	0.04	0.05918	3.55E-04	9.46E-03	2.55E-04	1.87E-04	1.03E-02	3.23E-04	9.57E-09	3.40E-06	5.10E-06	3.31E-04	4.10E-04	9.46E-03	2.55E-04	1.87E-04	1.03E-02
2710	490810.04	3859110.04	0.09512	0.30316	0.0405	0.05847	3.55E-04	9.04E-03	2.58E-04	1.85E-04	9.84E-03	3.23E-04	9.15E-09	3.45E-06	5.03E-06	3.31E-04	4.10E-04	9.04E-03	2.58E-04	1.85E-04	9.90E-03
2711	490860.04	3859110.04	0.09524	0.29028	0.0411	0.05777	3.55E-04	8.66E-03	2.62E-04	1.82E-04	9.46E-03	3.23E-04	8.77E-09	3.49E-06	4.97E-06	3.32E-04	4.11E-04	8.66E-03	2.62E-04	1.82E-04	9.52E-03
2712	490360.04	3859160.04	0.087	0.45352	0.0343	0.06809	3.25E-04	1.35E-02	2.19E-04	2.15E-04	1.43E-02	2.95E-04	1.37E-08	2.91E-06	5.86E-06	3.04E-04	3.75E-04	1.35E-02	2.19E-04	2.15E-04	1.43E-02
2713	490410.04	3859160.04	0.0877	0.43189	0.0345	0.0668	3.27E-04	1.29E-02	2.20E-04	2.11E-04	1.36E-02	2.98E-04	1.30E-08	2.93E-06	5.75E-06	3.06E-04	3.78E-04	1.29E-02	2.20E-04	2.11E-04	1.37E-02
2714	490460.04	3859160.04	0.08833	0.41289	0.0348	0.0656	3.30E-04	1.23E-02	2.22E-04	2.07E-04	1.31E-02	3.00E-04	1.25E-08	2.96E-06	5.65E-06	3.08E-04	3.81E-04	1.23E-02	2.22E-04	2.07E-04	1.31E-02
2715	490510.04	3859160.04	0.08895	0.39436	0.0351	0.06449	3.32E-04	1.18E-02	2.24E-04	2.04E-04	1.25E-02	3.02E-04	1.19E-08	2.98E-06	5.55E-06	3.11E-04	3.84E-04	1.18E-02	2.24E-04	2.04E-04	1.26E-02
2716	490560.04	3859160.04	0.08955	0.37382	0.0354	0.06352	3.34E-04	1.12E-02	2.26E-04	2.01E-04	1.19E-02	3.04E-04	1.13E-08	3.01E-06	5.47E-06	3.13E-04	3.86E-04	1.12E-02	2.26E-04	2.01E-04	1.20E-02
2717	490610.04	3859160.04	0.09008	0.35962	0.0358	0.06252	3.36E-04	1.07E-02	2.28E-04	1.97E-04	1.15E-02	3.06E-04	1.09E-08	3.04E-06	5.38E-06	3.14E-04	3.89E-04	1.07E-02	2.28E-04	1.97E-04	1.15E-02
2718	490660.04	3859160.04	0.09052	0.33541	0.0363	0.06184	3.38E-04	1.00E-02	2.32E-04	1.95E-04	1.08E-02	3.07E-04	1.01E-08	3.09E-06	5.33E-06	3.16E-04	3.91E-04	1.00E-02	2.32E-04	1.95E-04	1.08E-02
2719	490710.04	3859160.04	0.09096	0.32411	0.0368	0.06091	3.39E-04	9.67E-03	2.35E-04	1.92E-04	1.04E-02	3.09E-04	9.79E-09	3.13E-06	5.24E-06	3.17E-04	3.93E-04	9.67E-03	2.35E-04	1.92E-04	1.05E-02
2720	490760.04	3859160.04	0.09095	0.30706	0.0374	0.0602	3.39E-04	9.16E-03	2.38E-04	1.90E-04	9.93E-03	3.09E-04	9.27E-09	3.18E-06	5.18E-06	3.17E-04	3.92E-04	9.16E-03	2.38E-04	1.90E-04	9.98E-03
2721	490810.04	3859160.04	0.09122	0.29674	0.0379	0.05936	3.40E-04	8.85E-03	2.41E-04	1.87E-04	9.62E-03	3.10E-04	8.96E-09	3.22E-06	5.11E-06	3.18E-04	3.94E-04	8.85E-03	2.41E-04	1.87E-04	9.68E-03
2722	490860.04	3859160.04	0.09142	0.28602	0.0384	0.05856	3.41E-04	8.53E-03	2.45E-04	1.85E-04	9.30E-03	3.10E-04	8.64E-09	3.26E-06	5.04E-06	3.19E-04	3.94E-04	8.53E-03	2.45E-04	1.85E-04	9.36E-03
2723	490360.04	3859210.04	0.08378	0.45961	0.0319	0.06906	3.13E-04	1.37E-02	2.04E-04	2.18E-04	1.44E-02	2.84E-04	1.39E-08	2.72E-06	5.95E-06	2.93E-04	3.62E-04	1.37E-02	2.04E-04	2.18E-04	1.45E-02
2724	490410.04	3859210.04	0.08426	0.44395	0.0322	0.06764	3.14E-04	1.32E-02	2.05E-04	2.14E-04	1.40E-02	2.86E-04	1.34E-08	2.74E-06	5.82E-06	2.95E-04	3.64E-04	1.32E-02	2.05E-04	2.14E-04	1.40E-02
2725	490460.04	3859210.04	0.08498	0.41655	0.0324	0.06643	3.17E-04	1.24E-02	2.06E-04	2.10E-04	1.32E-02	2.89E-04	1.26E-08	2.75E-06	5.72E-06	2.97E-04	3.67E-04	1.24E-02	2.06E-04	2.10E-04	1.32E-02
2726	490510.04	3859210.04	0.08554	0.39662	0.0326	0.0653	3.19E-04	1.18E-02	2.08E-04	2.06E-04	1.26E-02	2.90E-04	1.20E-08	2.78E-06	5.62E-06	2.99E-04	3.69E-04	1.18E-02	2.08E-04	2.06E-04	1.26E-02
2727	490560.04	3859210.04	0.08605	0.38193	0.0329	0.06416	3.21E-04	1.14E-02	2.10E-04	2.03E-04	1.21E-02	2.92E-04	1.15E-08	2.80E-06	5.52E-06	3.00E-04	3.71E-04	1.14E-02	2.10E-04	2.03E-04	1.22E-02
2728	490610.04	3859210.04	0.08657	0.36393	0.0333	0.06318	3.23E-04	1.09E-02	2.12E-04	1.99E-04	1.16E-02	2.94E-04	1.10E-08	2.83E-06	5.44E-06	3.02E-04	3.74E-04	1.09E-02	2.12E-04	1.99E-04	1.16E-02
2729	490660.04	3859210.04	0.08701	0.34062	0.0337	0.06241	3.25E-04	1.02E-02	2.15E-04	1.97E-04	1.09E-02	2.95E-04	1.03E-08	2.87E-06	5.37E-06	3.04E-04	3.75E-04	1.02E-02	2.15E-04	1.97E-04	1.09E-02
2730	490710.04	3859210.04	0.08744	0.32677	0.0341	0.06149	3.26E-04	9.75E-03	2.18E-04	1.94E-04	1.05E-02	2.97E-04	9.87E-09	2.90E-06	5.29E-06	3.05E-04	3.77E-04	9.75E-03	2.18E-04	1.94E-04	1.05E-02
2731	490760.04	3859210.04	0.08741	0.30871	0.0347	0.06081	3.26E-04	9.21E-03	2.21E-04	1.92E-04	9.95E-03	2.97E-04	9.32E-09	2.95E-06	5.24E-06	3.05E-04	3.77E-04	9.21E-03	2.21E-04	1.92E-04	1.00E-02
2732	490810.04	3859210.04	0.08784	0.30301	0.035	0.05978	3.28E-04	9.04E-03	2.23E-04	1.89E-04	9.78E-03	2.98E-04	9.15E-09	2.98E-06	5.15E-06	3.06E-04	3.79E-04	9.04E-03	2.23E-04	1.89E-04	9.83E-03
2733	490860.04	3859210.04	0.08824	0.29686	0.0354	0.0588	3.29E-04	8.86E-03	2.26E-04	1.86E-04	9.60E-03	3.00E-04	8.96E-09	3.01E-06	5.06E-06	3.08E-04	3.81E-04	8.86E-03	2.26E-04	1.86E-04	9.65E-03
2734	490360.04	3859260.04	0.0809	0.46225	0.0299	0.06992	3.02E-04	1.38E-02	1.90E-04	2.21E-04	1.45E-02	2.75E-04	1.40E-08	2.54E-06	6.02E-06	2.83E-04	3.49E-04	1.38E-02	1.90E-04	2.21E-04	1.46E-02
2735	490410.04	3859260.04	0.08134	0.44423	0.0301	0.06845	3.04E-04	1.33E-02	1.92E-04	2.16E-04	1.40E-02	2.76E-04	1.34E-08	2.56E-06	5.89E-06	2.85E-04	3.51E-04	1.33E-02	1.92E-04	2.16E-04	1.40E-02
2736	490460.04	3859260.04	0.08174	0.42927	0.0303	0.06705	3.05E-04	1.28E-02	1.93E-04	2.12E-04	1.35E-02	2.78E-04	1.30E-08	2.58E-06	5.77E-06	2.86E-04	3.53E-04	1.28E-02	1.93E-04	2.12E-04	1.36E-02
2737	490510.04	3859260.04	0.08217	0.41447	0.0305	0.06572	3.07E-04	1.24E-02	1.95E-04	2.08E-04	1.31E-02	2.79E-04	1.25E-08	2.59E-06	5.66E-06	2.87E-04	3.55E-04	1.24E-02	1.95E-04	2.08E-04	1.31E-02
2738	490560.04	3859260.04	0.08271	0.39538	0.0307	0.06457	3.09E-04	1.18E-02	1.96E-04	2.04E-04	1.25E-02	2.81E-04	1.19E-08	2.61E-06	5.56E-06	2.89E-04	3.57E-04	1.18E-02	1.96E-04	2.04E-04	1.26E-02
2739	490610.04	3859260.04	0.08326	0.37147	0.031	0.06364	3.11E-04	1.11E-02	1.98E-04	2.01E-04	1.18E-02	2.83E-04	1.12E-08	2.64E-06	5.48E-06	2.91E-04	3.59E-04	1.11E-02	1.98E-04	2.01E-04	1.18E-02
2740	490660.04	3859260.04	0.08369	0.36303	0.0313	0.06245	3.12E-04	1.08E-02	2.00E-04	1.97E-04	1.15E-02	2.84E-04	1.10E-08	2.66E-06	5.38E-06	2.92E-04	3.61E-04	1.08E-02	2.00E-04	1.97E-04	1.16E-02
2741	490710.04	3859260.04	0.08415	0.34923	0.0316	0.06143	3.14E-04	1.04E-02	2.01E-04	1.94E-04	1.11E-02	2.86E-04	1.05E-08	2.68E-06	5.29E-06	2.94E-04	3.63E-04	1.04E-02	2.01E-04	1.94E-04	1.12E-02

2742	490760.04	3859260.04	0.08455	0.32832	0.032	0.06075	3.15E-04	9.79E-03	2.04E-04	1.92E-04	1.05E-02	2.87E-04	9.91E-09	2.72E-06	5.23E-06	2.95E-04	3.65E-04	9.79E-03	2.04E-04	1.92E-04	1.06E-02
2743	490810.04	3859260.04	0.08498	0.31997	0.0323	0.05975	3.17E-04	9.55E-03	2.06E-04	1.89E-04	1.03E-02	2.89E-04	9.66E-09	2.75E-06	5.15E-06	2.96E-04	3.67E-04	9.55E-03	2.06E-04	1.89E-04	1.03E-02
2744	490860.04	3859260.04	0.08541	0.31179	0.0327	0.05879	3.19E-04	9.30E-03	2.08E-04	1.86E-04	1.00E-02	2.90E-04	9.42E-09	2.78E-06	5.06E-06	2.98E-04	3.69E-04	9.30E-03	2.08E-04	1.86E-04	1.01E-02
2745	490360.04	3859310.04	0.07809	0.47191	0.0281	0.07067	2.91E-04	1.41E-02	1.79E-04	2.23E-04	1.48E-02	2.65E-04	1.43E-08	2.39E-06	6.09E-06	2.74E-04	3.37E-04	1.41E-02	1.79E-04	2.23E-04	1.48E-02
2746	490410.04	3859310.04	0.07847	0.4535	0.0283	0.06909	2.93E-04	1.35E-02	1.80E-04	2.18E-04	1.42E-02	2.66E-04	1.37E-08	2.40E-06	5.95E-06	2.75E-04	3.39E-04	1.35E-02	1.80E-04	2.18E-04	1.43E-02
2747	490460.04	3859310.04	0.07883	0.43715	0.0285	0.06761	2.94E-04	1.30E-02	1.81E-04	2.13E-04	1.37E-02	2.68E-04	1.32E-08	2.42E-06	5.82E-06	2.76E-04	3.40E-04	1.30E-02	1.81E-04	2.13E-04	1.38E-02
2748	490510.04	3859310.04	0.07917	0.42395	0.0287	0.06619	2.95E-04	1.26E-02	1.83E-04	2.09E-04	1.33E-02	2.69E-04	1.28E-08	2.44E-06	5.70E-06	2.77E-04	3.42E-04	1.26E-02	1.83E-04	2.09E-04	1.34E-02
2749	490560.04	3859310.04	0.07957	0.41007	0.0289	0.06486	2.97E-04	1.22E-02	1.84E-04	2.05E-04	1.29E-02	2.70E-04	1.24E-08	2.45E-06	5.59E-06	2.78E-04	3.43E-04	1.22E-02	1.84E-04	2.05E-04	1.30E-02
2750	490610.04	3859310.04	0.07997	0.39802	0.0291	0.06359	2.98E-04	1.19E-02	1.85E-04	2.01E-04	1.26E-02	2.71E-04	1.20E-08	2.47E-06	5.48E-06	2.79E-04	3.45E-04	1.19E-02	1.85E-04	2.01E-04	1.26E-02
2751	490660.04	3859310.04	0.08043	0.38342	0.0293	0.06244	3.00E-04	1.14E-02	1.87E-04	1.97E-04	1.21E-02	2.73E-04	1.16E-08	2.49E-06	5.38E-06	2.81E-04	3.47E-04	1.14E-02	1.87E-04	1.97E-04	1.22E-02
2752	490710.04	3859310.04	0.08097	0.3605	0.0295	0.06159	3.02E-04	1.08E-02	1.88E-04	1.94E-04	1.14E-02	2.75E-04	1.09E-08	2.51E-06	5.30E-06	2.83E-04	3.49E-04	1.08E-02	1.88E-04	1.94E-04	1.15E-02
2753	490760.04	3859310.04	0.08141	0.34606	0.0298	0.06064	3.04E-04	1.03E-02	1.90E-04	1.91E-04	1.10E-02	2.76E-04	1.05E-08	2.53E-06	5.22E-06	2.84E-04	3.51E-04	1.03E-02	1.90E-04	1.91E-04	1.11E-02
2754	490810.04	3859310.04	0.08183	0.33644	0.03	0.05962	3.05E-04	1.00E-02	1.92E-04	1.88E-04	1.07E-02	2.78E-04	1.02E-08	2.55E-06	5.13E-06	2.86E-04	3.53E-04	1.00E-02	1.92E-04	1.88E-04	1.08E-02
2755	490860.04	3859310.04	0.08224	0.32376	0.0303	0.05875	3.07E-04	9.66E-03	1.94E-04	1.85E-04	1.03E-02	2.79E-04	9.78E-09	2.58E-06	5.06E-06	2.87E-04	3.55E-04	9.66E-03	1.94E-04	1.85E-04	1.04E-02
2756	490360.04	3859360.04	0.07548	0.48142	0.0265	0.07135	2.82E-04	1.44E-02	1.69E-04	2.25E-04	1.50E-02	2.56E-04	1.45E-08	2.25E-06	6.14E-06	2.65E-04	3.26E-04	1.44E-02	1.69E-04	2.25E-04	1.51E-02
2757	490410.04	3859360.04	0.07572	0.46633	0.0267	0.06963	2.83E-04	1.39E-02	1.70E-04	2.20E-04	1.46E-02	2.57E-04	1.41E-08	2.27E-06	6.00E-06	2.65E-04	3.27E-04	1.39E-02	1.70E-04	2.20E-04	1.46E-02
2758	490460.04	3859360.04	0.07597	0.45248	0.0269	0.06801	2.83E-04	1.35E-02	1.71E-04	2.15E-04	1.42E-02	2.58E-04	1.37E-08	2.28E-06	5.86E-06	2.66E-04	3.28E-04	1.35E-02	1.71E-04	2.15E-04	1.42E-02
2759	490510.04	3859360.04	0.07627	0.43871	0.027	0.06649	2.85E-04	1.31E-02	1.72E-04	2.10E-04	1.38E-02	2.59E-04	1.32E-08	2.30E-06	5.73E-06	2.67E-04	3.29E-04	1.31E-02	1.72E-04	2.10E-04	1.38E-02
2760	490560.04	3859360.04	0.07667	0.42206	0.0272	0.0651	2.86E-04	1.26E-02	1.73E-04	2.06E-04	1.33E-02	2.60E-04	1.27E-08	2.31E-06	5.61E-06	2.68E-04	3.31E-04	1.26E-02	1.73E-04	2.06E-04	1.33E-02
2761	490610.04	3859360.04	0.07707	0.40641	0.0274	0.06382	2.88E-04	1.21E-02	1.75E-04	2.02E-04	1.28E-02	2.62E-04	1.23E-08	2.33E-06	5.50E-06	2.69E-04	3.33E-04	1.21E-02	1.75E-04	2.02E-04	1.28E-02
2762	490660.04	3859360.04	0.07747	0.39305	0.0276	0.06259	2.89E-04	1.17E-02	1.76E-04	1.98E-04	1.24E-02	2.63E-04	1.19E-08	2.34E-06	5.39E-06	2.71E-04	3.34E-04	1.17E-02	1.76E-04	1.98E-04	1.24E-02
2763	490710.04	3859360.04	0.07793	0.37605	0.0278	0.06152	2.91E-04	1.12E-02	1.77E-04	1.94E-04	1.19E-02	2.65E-04	1.14E-08	2.36E-06	5.30E-06	2.72E-04	3.36E-04	1.12E-02	1.77E-04	1.94E-04	1.19E-02
2764	490760.04	3859360.04	0.07838	0.35861	0.028	0.06057	2.92E-04	1.07E-02	1.78E-04	1.91E-04	1.14E-02	2.66E-04	1.08E-08	2.38E-06	5.22E-06	2.74E-04	3.38E-04	1.07E-02	1.78E-04	1.91E-04	1.14E-02
2765	490810.04	3859360.04	0.07877	0.35143	0.0281	0.05943	2.94E-04	1.05E-02	1.79E-04	1.88E-04	1.11E-02	2.67E-04	1.06E-08	2.39E-06	5.12E-06	2.75E-04	3.40E-04	1.05E-02	1.79E-04	1.88E-04	1.12E-02
2766	490860.04	3859360.04	0.07921	0.33966	0.0284	0.05847	2.96E-04	1.01E-02	1.81E-04	1.85E-04	1.08E-02	2.69E-04	1.03E-08	2.41E-06	5.03E-06	2.76E-04	3.42E-04	1.01E-02	1.81E-04	1.85E-04	1.08E-02
2767	490360.04	3859410.04	0.07305	0.48988	0.0251	0.07192	2.73E-04	1.46E-02	1.60E-04	2.27E-04	1.53E-02	2.48E-04	1.48E-08	2.13E-06	6.19E-06	2.56E-04	3.15E-04	1.46E-02	1.60E-04	2.27E-04	1.53E-02
2768	490410.04	3859410.04	0.0732	0.47589	0.0253	0.07009	2.73E-04	1.42E-02	1.61E-04	2.21E-04	1.49E-02	2.49E-04	1.44E-08	2.15E-06	6.04E-06	2.57E-04	3.16E-04	1.42E-02	1.61E-04	2.21E-04	1.49E-02
2769	490460.04	3859410.04	0.0734	0.46216	0.0254	0.06837	2.74E-04	1.38E-02	1.62E-04	2.16E-04	1.44E-02	2.49E-04	1.40E-08	2.16E-06	5.89E-06	2.57E-04	3.17E-04	1.38E-02	1.62E-04	2.16E-04	1.45E-02
2770	490510.04	3859410.04	0.07365	0.44836	0.0256	0.06676	2.75E-04	1.34E-02	1.63E-04	2.11E-04	1.40E-02	2.50E-04	1.35E-08	2.18E-06	5.75E-06	2.58E-04	3.18E-04	1.34E-02	1.63E-04	2.11E-04	1.41E-02
2771	490560.04	3859410.04	0.07393	0.43495	0.0258	0.06525	2.76E-04	1.30E-02	1.64E-04	2.06E-04	1.36E-02	2.51E-04	1.31E-08	2.19E-06	5.62E-06	2.59E-04	3.19E-04	1.30E-02	1.64E-04	2.06E-04	1.37E-02
2772	490610.04	3859410.04	0.07424	0.42159	0.0259	0.06383	2.77E-04	1.26E-02	1.65E-04	2.02E-04	1.32E-02	2.52E-04	1.27E-08	2.20E-06	5.50E-06	2.60E-04	3.20E-04	1.26E-02	1.65E-04	2.02E-04	1.33E-02
2773	490660.04	3859410.04	0.07467	0.40412	0.0261	0.06257	2.79E-04	1.21E-02	1.66E-04	1.98E-04	1.27E-02	2.54E-04	1.22E-08	2.22E-06	5.39E-06	2.61E-04	3.22E-04	1.21E-02	1.66E-04	1.98E-04	1.27E-02
2774	490710.04	3859410.04	0.07507	0.38915	0.0262	0.06137	2.80E-04	1.16E-02	1.67E-04	1.94E-04	1.23E-02	2.55E-04	1.18E-08	2.23E-06	5.28E-06	2.62E-04	3.24E-04	1.16E-02	1.67E-04	1.94E-04	1.23E-02
2775	490760.04	3859410.04	0.07552	0.37107	0.0264	0.06035	2.82E-04	1.11E-02	1.68E-04	1.91E-04	1.17E-02	2.56E-04	1.12E-08	2.24E-06	5.20E-06	2.64E-04	3.26E-04	1.11E-02	1.68E-04	1.91E-04	1.18E-02
2776	490810.04	3859410.04	0.07588	0.36252	0.0265	0.0592	2.83E-04	1.08E-02	1.69E-04	1.87E-04	1.15E-02	2.58E-04	1.09E-08	2.26E-06	5.10E-06	2.65E-04	3.27E-04	1.08E-02	1.69E-04	1.87E-04	1.15E-02
2777	490860.04	3859410.04	0.07623	0.3565	0.0267	0.05803	2.84E-04	1.06E-02	1.70E-04	1.83E-04	1.13E-02	2.59E-04	1.08E-08	2.27E-06	5.00E-06	2.66E-04	3.29E-04	1.06E-02	1.70E-04	1.83E-04	1.13E-02
2778	490360.04	3859460.04	0.07085	0.49538	0.0237	0.07232	2.64E-04	1.48E-02	1.51E-04	2.28E-04	1.54E-02	2.41E-04	1.50E-08	2.02E-06	6.23E-06	2.49E-04	3.06E-04	1.48E-02	1.51E-04	2.28E-04	1.55E-02
2779	490410.04	3859460.04	0.07099	0.48099	0.0239	0.07038	2.65E-04	1.43E-02	1.53E-04	2.22E-04	1.50E-02	2.41E-04	1.45E-08	2.04E-06	6.06E-06	2.49E-04	3.06E-04	1.43E-02	1.53E-04	2.22E-04	1.50E-02
2780	490460.04	3859460.04	0.07111	0.46803	0.0241	0.06858	2.65E-04	1.40E-02	1.54E-04	2.17E-04	1.46E-02	2.41E-04	1.41E-08	2.05E-06	5.91E-06	2.49E-04	3.07E-04	1.40E-02	1.54E-04	2.17E-04	1.46E-02
2781	490510.04	3859460.04	0.07128	0.45496	0.0243	0.06688	2.66E-04	1.36E-02	1.55E-04	2.11E-04	1.42E-02	2.42E-04	1.37E-08	2.07E-06	5.76E-06	2.50E-04	3.08E-04	1.36E-02	1.55E-04	2.11E-04	1.42E-02
2782	490560.04	3859460.04	0.07148	0.44253	0.0245	0.06528	2.67E-04	1.32E-02	1.56E-04	2.06E-04	1.38E-02	2.43E-04	1.34E-08	2.08E-06	5.62E-06	2.50E-04	3.08E-04	1.32E-02	1.56E-04	2.06E-04	1.39E-02
2783	490610.04	3859460.04	0.07176	0.42879	0.0246	0.06378	2.68E-04	1.28E-02	1.57E-04	2.01E-04	1.34E-02	2.44E-04	1.29E-08	2.09E-06	5.49E-06	2.51E-04	3.10E-04	1.28E-02	1.57E-04	2.01E-04	1.35E-02
2784	490660.04	3859460.04	0.07209	0.41448	0.0247	0.0624	2.69E-04	1.24E-02	1.58E-04	1.97E-04	1.30E-02	2.45E-04	1.25E-08	2.10E-06	5.37E-06	2.52E-04	3.11E-04	1.24E-02	1.58E-04	1.97E-04	1.30E-02
2785	490710.04	3859460.04	0.07237	0.40262	0.0249	0.06107	2.70E-04	1.20E-02	1.59E-04	1.93E-04	1.26E-02	2.46E-04	1.22E-08	2.12E-06	5.26E-06	2.53E-04	3.12E-04	1.20E-02	1.59E-04	1.93E-04	1.27E-02
2786	490760.04	3859460.04	0.07275	0.3889	0.025	0.05986	2.71E-04	1.16E-02	1.59E-04	1.89E-04	1.22E-02	2.47E-04	1.17E-08	2.13E-06	5.15E-06	2.54E-04	3.14E-04	1.16E-02	1.59E-04	1.89E-04	1.23E-02
2787	490810.04	3859460.04	0.07312	0.37601	0.0251	0.05872	2.73E-04	1.12E-02	1.60E-04	1.85E-04	1.18E-02	2.48E-04	1.14E-08	2.14E-06	5.06E-06	2.55E-04	3.16E-04	1.12E-02	1.60E-04	1.85E-04	1.19E-02
2788	490860.04	3859460.04	0.07343	0.3682	0.0253	0.05753	2.74E-04	1.10E-02	1.61E-04	1.82E-04	1.16E-02	2.49E-04	1.11E-08	2.15E-06	4.95E-06	2.56E-04	3.17E-04	1.10E-02	1.61E-04	1.82E-04	1.16E-02
2789	490360.04	3859510.04	0.06888	0.49868	0.0223	0.07243	2.57E-04	1.49E-02	1.42E-04	2.29E-04	1.55E-02	2.34E-04	1.51E-08	1.89E-06	6.24E-06	2.42E-04	2.97E-04	1.49E-02	1.42E-04	2.29E-04	1.55E-02
2790	490410.04	3859510.04	0.06889	0.48618	0.0226	0.07042	2.57E-04	1.45E-02	1.44E-04	2.22E-04	1.51E-02	2.34E-04	1.47E-08	1.92E-06	6.06E-06	2.42E-04	2.97E-04	1.45E-02	1.44E-04	2.22E-04	1.52E-02
2791	490460.04	3859510.04	0.06898	0.47311	0.0229	0.06852	2.57E-04	1.41E-02	1.46E-04	2.16E-04	1.47E-02	2.34E-04	1.43E-08	1.95E-06	5.90E-06	2.42E-04	2.98E-04	1.41E-02	1.46E-04	2.16E-04	1.48E-02
2792	490510.04	3859510.04	0.06909	0.4607	0.0231	0.06674	2.58E-04	1.37E-02	1.47E-04	2.11E-04	1.44E-02	2.35E-04	1.39E-08	1.97E-06	5.75E-06	2.42E-04	2.98E-04	1.37E-02	1.47E-04	2.11E-04	1.44E-02
2793	490560.04	3859510.04	0.06924	0.44839	0.0233	0.06506	2.58E-04	1.34E-02	1.48E-04	2.05E-04	1.40E-02	2.35E-04	1.35E-08	1.98E-06	5.60E-06	2.43E-04	2.99E-04	1.34E-02	1.48E-04	2.05E-04	1.40E-02
2794	490610.04	3859510.04	0.06946	0.43548	0.0234	0.06349	2.59E-04	1.30E-02	1.49E-04	2.00E-04	1.36E-02	2.36E-04	1.32E-08	1.99E-06	5.47E-06	2.43E-04	3.00E-04	1.30E-02	1.49E-04	2.00E-04	1.36E-02
2795	490660.04	3859510.04	0.0697	0.42274	0.0235	0.06201	2.60E-04	1.26E-02	1.50E-04	1.96E-04	1.32E-02	2.37E-04	1.28E-08	2.00E-06	5.34E-06	2.44E-04	3.01E-04	1.26E-02	1.50E-04	1.96E-04	1.33E-02
2796	490710.04	3859510.04	0.06998	0.40983	0.0237	0.06063	2.61E-04	1.22E-02	1.51E-04	1.91E-04	1.28E-02	2.38E-04	1.24E-08	2.01E-06	5.22E-06	2.45E-04	3.02E-04	1.22E-02	1.51E-04	1.91E-04	1.29E-02
2797	490760.04	3859510.04	0.07026	0.39765	0.0238	0.05933	2.62E-04	1.19E-02	1.52E-04	1.87E-04	1.25E-02	2.39E-04	1.20E-08	2.02E-06	5.11E-06	2.46E-04	3.03E-04	1.19E-02	1.52E-04	1.87E-04	1.25E-02
2798	490810.04	3859510.04	0.07054	0.38739	0.0239	0.05808	2.63E-04	1.16E-02	1.53E-04	1.83E-04	1.22E-02	2.39E-04	1.17E-08	2.03E-06	5.00E-06	2.47E-04	3.04E-04	1.16E-02	1.53E-04	1.83E-04	1.22E-02
2799	490860.04	3859510.04	0.07086	0.37628	0.024	0.05692	2.64E-04	1.12E-02	1.53E-04	1.80E-04	1.18E-02	2.41E-04	1.14E-08	2.04E-06	4.90E-06	2.48E-04	3.06E-04	1.12E-02	1.53E-04	1.80E-04	1.19E-02
2800	490360.04	3859560.04	0.06707	0.50099	0.0209	0.07218	2.50E-04	1.49E-02	1.33E-04	2.28E-04	1.56E-02	2.28E-04	1.51E-08	1.78E-06	6.22E-06	2.36E-04	2.89E-04	1.49E-02	1.33E-04	2.28E-04	1.56E-02
2801	490410.04	3859560.04	0.06701	0.4891	0.0212	0.07011	2.50E-04	1.46E-02	1.35E-04	2.21E-04	1.52E-02	2.28E-04	1.48E-08	1.81E-06	6.04E-06	2.35E-04	2.89E-04	1.46E-02	1.35E-04	2.21E-04	1.52E-02
2802	490460.04	3859560.04	0.06701	0.47715	0.0216	0.06815	2.50E-04	1.42E-02	1.38E-04	2.15E-04	1.48E-02	2.28E-04	1.44E-08	1.84E-06	5.87E-06	2.35E-04	2.89E-04	1.42E-02	1.38E-04	2.15E-04	1.49E-02

2803	490510.04	3859560.04	0.06712	0.46433	0.022	0.06628	2.50E-04	1.39E-02	1.40E-04	2.09E-04	1.45E-02	2.28E-04	1.40E-08	1.87E-06	5.71E-06	2.35E-04	2.90E-04	1.39E-02	1.40E-04	2.09E-04	1.45E-02
2804	490560.04	3859560.04	0.06717	0.45327	0.0222	0.06456	2.51E-04	1.35E-02	1.42E-04	2.04E-04	1.41E-02	2.28E-04	1.37E-08	1.89E-06	5.56E-06	2.36E-04	2.90E-04	1.35E-02	1.42E-04	2.04E-04	1.42E-02
2805	490610.04	3859560.04	0.06733	0.44106	0.0223	0.06292	2.51E-04	1.32E-02	1.42E-04	1.99E-04	1.38E-02	2.29E-04	1.33E-08	1.90E-06	5.42E-06	2.36E-04	2.91E-04	1.32E-02	1.42E-04	1.99E-04	1.38E-02
2806	490660.04	3859560.04	0.06751	0.42916	0.0224	0.06139	2.52E-04	1.28E-02	1.43E-04	1.94E-04	1.34E-02	2.29E-04	1.30E-08	1.91E-06	5.29E-06	2.36E-04	2.91E-04	1.28E-02	1.43E-04	1.94E-04	1.34E-02
2807	490710.04	3859560.04	0.06773	0.41686	0.0226	0.05995	2.53E-04	1.24E-02	1.44E-04	1.89E-04	1.30E-02	2.30E-04	1.26E-08	1.92E-06	5.16E-06	2.37E-04	2.92E-04	1.24E-02	1.44E-04	1.89E-04	1.31E-02
2808	490760.04	3859560.04	0.06802	0.40336	0.0227	0.05862	2.54E-04	1.20E-02	1.45E-04	1.85E-04	1.26E-02	2.31E-04	1.22E-08	1.93E-06	5.05E-06	2.38E-04	2.94E-04	1.20E-02	1.45E-04	1.85E-04	1.27E-02
2809	490810.04	3859560.04	0.06827	0.39188	0.0228	0.05735	2.55E-04	1.17E-02	1.45E-04	1.81E-04	1.23E-02	2.32E-04	1.18E-08	1.94E-06	4.94E-06	2.39E-04	2.95E-04	1.17E-02	1.45E-04	1.81E-04	1.23E-02
2810	490860.04	3859560.04	0.06855	0.3803	0.0229	0.05617	2.56E-04	1.13E-02	1.46E-04	1.77E-04	1.19E-02	2.33E-04	1.15E-08	1.95E-06	4.84E-06	2.40E-04	2.96E-04	1.13E-02	1.46E-04	1.77E-04	1.20E-02
2811	490187.25	3859422.08	0.07237	0.54238	0.0235	0.07941	2.70E-04	1.62E-02	1.50E-04	2.51E-04	1.69E-02	2.46E-04	1.64E-08	2.00E-06	6.84E-06	2.55E-04	3.12E-04	1.62E-02	1.50E-04	2.51E-04	1.69E-02
2812	490237.25	3859422.08	0.07234	0.52718	0.0239	0.07712	2.70E-04	1.57E-02	1.53E-04	2.43E-04	1.64E-02	2.46E-04	1.59E-08	2.04E-06	6.64E-06	2.54E-04	3.12E-04	1.57E-02	1.53E-04	2.43E-04	1.64E-02
2813	490287.25	3859422.08	0.07236	0.51255	0.0243	0.07496	2.70E-04	1.53E-02	1.55E-04	2.37E-04	1.60E-02	2.46E-04	1.55E-08	2.07E-06	6.45E-06	2.54E-04	3.12E-04	1.53E-02	1.55E-04	2.37E-04	1.60E-02
2814	490337.25	3859422.08	0.07247	0.49735	0.0246	0.07291	2.70E-04	1.48E-02	1.57E-04	2.30E-04	1.55E-02	2.46E-04	1.50E-08	2.09E-06	6.28E-06	2.54E-04	3.13E-04	1.48E-02	1.57E-04	2.30E-04	1.55E-02
2815	490187.25	3859472.08	0.07055	0.54366	0.022	0.08009	2.63E-04	1.62E-02	1.40E-04	2.53E-04	1.69E-02	2.40E-04	1.64E-08	1.87E-06	6.90E-06	2.48E-04	3.04E-04	1.62E-02	1.40E-04	2.53E-04	1.69E-02
2816	490237.25	3859472.08	0.07042	0.52966	0.0224	0.0777	2.63E-04	1.58E-02	1.43E-04	2.45E-04	1.65E-02	2.39E-04	1.60E-08	1.90E-06	6.69E-06	2.48E-04	3.04E-04	1.58E-02	1.43E-04	2.45E-04	1.65E-02
2817	490287.25	3859472.08	0.07041	0.51494	0.0228	0.0754	2.63E-04	1.54E-02	1.46E-04	2.38E-04	1.60E-02	2.39E-04	1.56E-08	1.94E-06	6.49E-06	2.47E-04	3.04E-04	1.54E-02	1.46E-04	2.38E-04	1.60E-02
2818	490337.25	3859472.08	0.07036	0.5021	0.0232	0.0733	2.63E-04	1.50E-02	1.48E-04	2.31E-04	1.56E-02	2.39E-04	1.52E-08	1.97E-06	6.31E-06	2.47E-04	3.04E-04	1.50E-02	1.48E-04	2.31E-04	1.57E-02
2819	490297.07	3859500.42	0.06932	0.51395	0.0221	0.0751	2.59E-04	1.53E-02	1.41E-04	2.37E-04	1.60E-02	2.35E-04	1.55E-08	1.88E-06	6.47E-06	2.44E-04	2.99E-04	1.53E-02	1.41E-04	2.37E-04	1.60E-02
2820	490327.07	3859500.42	0.06923	0.50708	0.0223	0.07383	2.58E-04	1.51E-02	1.42E-04	2.33E-04	1.58E-02	2.35E-04	1.53E-08	1.89E-06	6.36E-06	2.43E-04	2.99E-04	1.51E-02	1.42E-04	2.33E-04	1.58E-02
2821	490297.07	3859530.42	0.06819	0.51602	0.0212	0.07514	2.54E-04	1.54E-02	1.35E-04	2.37E-04	1.60E-02	2.32E-04	1.56E-08	1.80E-06	6.47E-06	2.40E-04	2.94E-04	1.54E-02	1.35E-04	2.37E-04	1.61E-02
2822	490327.07	3859530.42	0.06815	0.50827	0.0214	0.0738	2.54E-04	1.52E-02	1.37E-04	2.33E-04	1.58E-02	2.31E-04	1.53E-08	1.82E-06	6.35E-06	2.40E-04	2.94E-04	1.52E-02	1.37E-04	2.33E-04	1.58E-02
2823	490319.73	3859055.34	0.09386	0.45821	0.0401	0.06662	3.50E-04	1.37E-02	2.56E-04	2.10E-04	1.45E-02	3.19E-04	1.38E-08	3.41E-06	5.74E-06	3.28E-04	4.05E-04	1.37E-02	2.56E-04	2.10E-04	1.45E-02
2824	490319.73	3859105.34	0.09022	0.46298	0.037	0.06795	3.37E-04	1.38E-02	2.36E-04	2.15E-04	1.46E-02	3.06E-04	1.40E-08	3.15E-06	5.85E-06	3.15E-04	3.89E-04	1.38E-02	2.36E-04	2.15E-04	1.47E-02
2825	490069.73	3859155.34	0.08485	0.5508	0.033	0.07745	3.17E-04	1.64E-02	2.10E-04	2.45E-04	1.72E-02	2.88E-04	1.66E-08	2.80E-06	6.67E-06	2.98E-04	3.66E-04	1.64E-02	2.10E-04	2.45E-04	1.73E-02
2826	490119.73	3859155.34	0.08505	0.53523	0.0333	0.07562	3.17E-04	1.60E-02	2.13E-04	2.39E-04	1.67E-02	2.89E-04	1.62E-08	2.83E-06	6.51E-06	2.98E-04	3.67E-04	1.60E-02	2.13E-04	2.39E-04	1.68E-02
2827	490269.73	3859155.34	0.08609	0.49013	0.0342	0.07064	3.21E-04	1.46E-02	2.18E-04	2.23E-04	1.54E-02	2.92E-04	1.48E-08	2.91E-06	6.08E-06	3.01E-04	3.71E-04	1.46E-02	2.18E-04	2.23E-04	1.54E-02
2828	490319.73	3859155.34	0.08675	0.47023	0.0344	0.06913	3.24E-04	1.40E-02	2.19E-04	2.18E-04	1.48E-02	2.95E-04	1.42E-08	2.92E-06	5.95E-06	3.03E-04	3.74E-04	1.40E-02	2.19E-04	2.18E-04	1.48E-02
2829	490069.73	3859205.34	0.08201	0.56209	0.0307	0.07911	3.06E-04	1.68E-02	1.96E-04	2.50E-04	1.75E-02	2.78E-04	1.70E-08	2.61E-06	6.81E-06	2.88E-04	3.54E-04	1.68E-02	1.96E-04	2.50E-04	1.76E-02
2830	490119.73	3859205.34	0.08199	0.54855	0.0311	0.0772	3.06E-04	1.64E-02	1.98E-04	2.44E-04	1.71E-02	2.78E-04	1.66E-08	2.65E-06	6.65E-06	2.88E-04	3.54E-04	1.64E-02	1.98E-04	2.44E-04	1.72E-02
2831	490169.73	3859205.34	0.0822	0.53235	0.0314	0.07531	3.07E-04	1.59E-02	2.01E-04	2.38E-04	1.66E-02	2.79E-04	1.61E-08	2.67E-06	6.48E-06	2.88E-04	3.55E-04	1.59E-02	2.01E-04	2.38E-04	1.67E-02
2832	490219.73	3859205.34	0.08263	0.51314	0.0316	0.07348	3.08E-04	1.53E-02	2.02E-04	2.32E-04	1.61E-02	2.81E-04	1.55E-08	2.69E-06	6.33E-06	2.90E-04	3.57E-04	1.53E-02	2.02E-04	2.32E-04	1.61E-02
2833	490269.73	3859205.34	0.0832	0.49116	0.0318	0.07176	3.10E-04	1.47E-02	2.03E-04	2.27E-04	1.54E-02	2.82E-04	1.48E-08	2.70E-06	6.18E-06	2.91E-04	3.59E-04	1.47E-02	2.03E-04	2.27E-04	1.54E-02
2834	490319.73	3859205.34	0.08363	0.47464	0.032	0.07017	3.12E-04	1.42E-02	2.04E-04	2.22E-04	1.49E-02	2.84E-04	1.43E-08	2.72E-06	6.04E-06	2.93E-04	3.61E-04	1.42E-02	2.04E-04	2.22E-04	1.49E-02
2835	490069.73	3859255.34	0.0796	0.56739	0.0286	0.08058	2.97E-04	1.69E-02	1.82E-04	2.54E-04	1.77E-02	2.70E-04	1.71E-08	2.43E-06	6.94E-06	2.80E-04	3.43E-04	1.69E-02	1.82E-04	2.54E-04	1.77E-02
2836	490119.73	3859255.34	0.07952	0.5531	0.029	0.07854	2.97E-04	1.65E-02	1.85E-04	2.48E-04	1.72E-02	2.70E-04	1.67E-08	2.46E-06	6.76E-06	2.79E-04	3.43E-04	1.65E-02	1.85E-04	2.48E-04	1.73E-02
2837	490169.73	3859255.34	0.07962	0.5373	0.0293	0.07655	2.97E-04	1.60E-02	1.87E-04	2.42E-04	1.68E-02	2.70E-04	1.62E-08	2.49E-06	6.59E-06	2.79E-04	3.44E-04	1.60E-02	1.87E-04	2.42E-04	1.68E-02
2838	490219.73	3859255.34	0.07993	0.51847	0.0295	0.07462	2.98E-04	1.55E-02	1.88E-04	2.36E-04	1.62E-02	2.71E-04	1.57E-08	2.51E-06	6.43E-06	2.80E-04	3.45E-04	1.55E-02	1.88E-04	2.36E-04	1.62E-02
2839	490269.73	3859255.34	0.08033	0.49882	0.0297	0.0728	3.00E-04	1.49E-02	1.90E-04	2.30E-04	1.56E-02	2.73E-04	1.51E-08	2.53E-06	6.27E-06	2.82E-04	3.47E-04	1.49E-02	1.90E-04	2.30E-04	1.56E-02
2840	490319.73	3859255.34	0.08068	0.48179	0.0299	0.07111	3.01E-04	1.44E-02	1.91E-04	2.25E-04	1.51E-02	2.74E-04	1.45E-08	2.55E-06	6.12E-06	2.83E-04	3.48E-04	1.44E-02	1.91E-04	2.25E-04	1.51E-02
2841	490069.73	3859305.34	0.07743	0.57087	0.0266	0.08199	2.89E-04	1.70E-02	1.70E-04	2.59E-04	1.77E-02	2.63E-04	1.72E-08	2.26E-06	7.06E-06	2.72E-04	3.34E-04	1.70E-02	1.70E-04	2.59E-04	1.78E-02
2842	490119.73	3859305.34	0.07724	0.55702	0.027	0.07984	2.88E-04	1.66E-02	1.72E-04	2.52E-04	1.73E-02	2.62E-04	1.68E-08	2.30E-06	6.88E-06	2.71E-04	3.33E-04	1.66E-02	1.72E-04	2.52E-04	1.74E-02
2843	490169.73	3859305.34	0.07724	0.54149	0.0274	0.07774	2.88E-04	1.62E-02	1.75E-04	2.45E-04	1.69E-02	2.62E-04	1.64E-08	2.33E-06	6.69E-06	2.71E-04	3.33E-04	1.62E-02	1.75E-04	2.45E-04	1.69E-02
2844	490219.73	3859305.34	0.07741	0.5241	0.0277	0.0757	2.89E-04	1.56E-02	1.77E-04	2.39E-04	1.63E-02	2.63E-04	1.58E-08	2.36E-06	6.52E-06	2.72E-04	3.34E-04	1.56E-02	1.77E-04	2.39E-04	1.64E-02
2845	490269.73	3859305.34	0.07766	0.50663	0.0279	0.07378	2.90E-04	1.51E-02	1.78E-04	2.33E-04	1.58E-02	2.64E-04	1.53E-08	2.37E-06	6.35E-06	2.72E-04	3.35E-04	1.51E-02	1.78E-04	2.33E-04	1.59E-02
2846	490319.73	3859305.34	0.07802	0.48732	0.0281	0.07197	2.91E-04	1.45E-02	1.79E-04	2.27E-04	1.52E-02	2.65E-04	1.47E-08	2.39E-06	6.20E-06	2.73E-04	3.37E-04	1.45E-02	1.79E-04	2.27E-04	1.53E-02
2847	490069.73	3859355.34	0.07534	0.57505	0.0248	0.08345	2.81E-04	1.72E-02	1.58E-04	2.63E-04	1.79E-02	2.56E-04	1.74E-08	2.11E-06	7.19E-06	2.65E-04	3.25E-04	1.72E-02	1.58E-04	2.63E-04	1.79E-02
2848	490119.73	3859355.34	0.07508	0.561	0.0251	0.08116	2.80E-04	1.67E-02	1.60E-04	2.56E-04	1.74E-02	2.55E-04	1.69E-08	2.14E-06	6.99E-06	2.64E-04	3.24E-04	1.67E-02	1.60E-04	2.56E-04	1.75E-02
2849	490169.73	3859355.34	0.07501	0.54554	0.0256	0.07892	2.80E-04	1.63E-02	1.63E-04	2.49E-04	1.70E-02	2.55E-04	1.65E-08	2.17E-06	6.80E-06	2.64E-04	3.24E-04	1.63E-02	1.63E-04	2.49E-04	1.70E-02
2850	490219.73	3859355.34	0.07511	0.52854	0.026	0.07673	2.80E-04	1.58E-02	1.66E-04	2.42E-04	1.65E-02	2.55E-04	1.60E-08	2.21E-06	6.61E-06	2.64E-04	3.24E-04	1.58E-02	1.66E-04	2.42E-04	1.65E-02
2851	490269.73	3859355.34	0.07523	0.51266	0.0263	0.07469	2.81E-04	1.53E-02	1.68E-04	2.36E-04	1.60E-02	2.55E-04	1.55E-08	2.24E-06	6.43E-06	2.64E-04	3.25E-04	1.53E-02	1.68E-04	2.36E-04	1.60E-02
2852	490319.73	3859355.34	0.07547	0.49529	0.0265	0.07276	2.82E-04	1.48E-02	1.69E-04	2.30E-04	1.55E-02	2.56E-04	1.50E-08	2.25E-06	6.27E-06	2.65E-04	3.26E-04	1.48E-02	1.69E-04	2.30E-04	1.55E-02
2853	490069.73	3859405.34	0.07343	0.57743	0.0231	0.08482	2.74E-04	1.72E-02	1.47E-04	2.68E-04	1.79E-02	2.49E-04	1.74E-08	1.96E-06	7.30E-06	2.59E-04	3.17E-04	1.72E-02	1.47E-04	2.68E-04	1.80E-02
2854	490119.73	3859405.34	0.07315	0.56275	0.0235	0.08235	2.73E-04	1.68E-02	1.50E-04	2.60E-04	1.75E-02	2.48E-04	1.70E-08	1.99E-06	7.09E-06	2.57E-04	3.16E-04	1.68E-02	1.50E-04	2.60E-04	1.75E-02
2855	490169.73	3859405.34	0.07304	0.54718	0.0239	0.07994	2.73E-04	1.63E-02	1.52E-04	2.52E-04	1.70E-02	2.48E-04	1.65E-08	2.03E-06	6.88E-06	2.57E-04	3.15E-04	1.63E-02	1.52E-04	2.52E-04	1.70E-02
2856	490219.73	3859405.34	0.07299	0.53197	0.0243	0.07765	2.72E-04	1.59E-02	1.55E-04	2.45E-04	1.65E-02	2.48E-04	1.61E-08	2.07E-06	6.69E-06	2.57E-04	3.15E-04	1.59E-02	1.55E-04	2.45E-04	1.66E-02
2857	490269.73	3859405.34	0.07307	0.51604	0.0247	0.07546	2.73E-04	1.54E-02	1.58E-04	2.38E-04	1.61E-02	2.48E-04	1.56E-08	2.10E-06	6.50E-06	2.57E-04	3.15E-04	1.54E-02	1.58E-04	2.38E-04	1.61E-02
2858	490319.73	3859405.34	0.07319	0.50027	0.025	0.07342	2.73E-04	1.49E-02	1.59E-04	2.32E-04	1.56E-02	2.48E-04	1.51E-08	2.12E-06	6.32E-06	2.57E-04	3.16E-04	1.49E-02	1.59E-04	2.32E-04	1.56E-02
2859	490161.89	3859541.83	0.06843	0.55094	0.0202	0.08174	2.55E-04	1.64E-02	1.29E-04	2.58E-04	1.71E-02	2.32E-04	1.66E-08	1.71E-06	7.04E-06	2.41E-04	2.95E-04	1.64E-02	1.29E-04	2.58E-04	1.71E-02
2860	490171.89	3859541.83	0.06838	0.54819	0.0202	0.08121	2.55E-04	1.64E-02	1.29E-04	2.56E-04	1.70E-02	2.32E-04	1.66E-08	1.72E-06	6.99E-06	2.41E-04	2.95E-04	1.64E-02	1.29E-04	2.56E-04	1.70E-02
2861	490161.89	3859551.83	0.06815	0.55072	0.0199	0.08171	2.54E-04	1.64E-02	1.27E-04	2.58E-04	1.71E-02	2.31E-04	1.66E-08	1.70E-06	7.04E-06	2.40E-04	2.94E-04	1.64E-02	1.27E-04	2.58E-04	1.71E-02
2862	490171.89	3859551.83	0.06809	0.54806	0.02	0.08118	2.54E-04	1.64E-02	1.28E-04	2.56E-04	1.70E-02	2.31E-04	1.66E-08	1.70E-06	6.99E-06	2.40E-04	2.94E-04	1.64E-02	1.28E-04	2.56E-04	1.70E-02
2863	489799.72	3859348.21	0.07777	0.67137	0.023	0.09812	2.90E-04	2.00E-02	1.47E-04	3.10E-04	2.08E-02	2.64E-04	2.03E-08	1.95E-06	8.45E-06	2.74E-04	3.36E-04	2.00E-02	1.47E-04	3.10E-04	2.08E-02

2864	489819.72	3859348.21	0.07754	0.66335	0.0231	0.09685	2.89E-04	1.98E-02	1.47E-04	3.06E-04	2.05E-02	2.63E-04	2.00E-08	1.97E-06	8.34E-06	2.74E-04	3.35E-04	1.98E-02	1.47E-04	3.06E-04	2.06E-02
2865	489799.72	3859368.21	0.07714	0.67145	0.0224	0.09904	2.88E-04	2.00E-02	1.43E-04	3.13E-04	2.08E-02	2.62E-04	2.03E-08	1.91E-06	8.53E-06	2.72E-04	3.33E-04	2.00E-02	1.43E-04	3.13E-04	2.08E-02
2866	489819.72	3859368.21	0.07694	0.66277	0.0226	0.09771	2.87E-04	1.98E-02	1.44E-04	3.09E-04	2.05E-02	2.61E-04	2.00E-08	1.92E-06	8.41E-06	2.72E-04	3.32E-04	1.98E-02	1.44E-04	3.09E-04	2.06E-02
2867	489775.41	3859329.72	0.07858	0.68271	0.0233	0.0989	2.93E-04	2.04E-02	1.49E-04	3.12E-04	2.11E-02	2.67E-04	2.06E-08	1.98E-06	8.52E-06	2.77E-04	3.39E-04	2.04E-02	1.49E-04	3.12E-04	2.12E-02
2868	489795.41	3859329.72	0.07835	0.67412	0.0235	0.0976	2.92E-04	2.01E-02	1.50E-04	3.08E-04	2.09E-02	2.66E-04	2.04E-08	1.99E-06	8.40E-06	2.76E-04	3.38E-04	2.01E-02	1.50E-04	3.08E-04	2.09E-02
2869	489775.41	3859349.72	0.07798	0.68217	0.0227	0.0998	2.91E-04	2.04E-02	1.45E-04	3.15E-04	2.11E-02	2.65E-04	2.06E-08	1.93E-06	8.59E-06	2.75E-04	3.36E-04	2.04E-02	1.45E-04	3.15E-04	2.11E-02
2870	489795.41	3859349.72	0.07777	0.67314	0.0229	0.09846	2.90E-04	2.01E-02	1.46E-04	3.11E-04	2.08E-02	2.64E-04	2.03E-08	1.95E-06	8.48E-06	2.74E-04	3.36E-04	2.01E-02	1.46E-04	3.11E-04	2.09E-02
2871	489595.05	3859219.43	0.08432	0.76661	0.0253	0.10444	3.15E-04	2.29E-02	1.61E-04	3.30E-04	2.37E-02	2.86E-04	2.32E-08	2.15E-06	8.99E-06	2.97E-04	3.64E-04	2.29E-02	1.61E-04	3.30E-04	2.37E-02
2872	489615.05	3859219.43	0.08411	0.75415	0.0255	0.10315	3.14E-04	2.25E-02	1.63E-04	3.26E-04	2.33E-02	2.86E-04	2.28E-08	2.17E-06	8.88E-06	2.97E-04	3.63E-04	2.25E-02	1.63E-04	3.26E-04	2.34E-02
2873	489595.05	3859239.43	0.08362	0.76999	0.0245	0.10598	3.12E-04	2.30E-02	1.56E-04	3.35E-04	2.38E-02	2.84E-04	2.33E-08	2.09E-06	9.13E-06	2.95E-04	3.61E-04	2.30E-02	1.56E-04	3.35E-04	2.38E-02
2874	489615.05	3859239.43	0.08342	0.75723	0.0248	0.10462	3.11E-04	2.26E-02	1.58E-04	3.30E-04	2.34E-02	2.83E-04	2.29E-08	2.11E-06	9.01E-06	2.94E-04	3.60E-04	2.26E-02	1.58E-04	3.30E-04	2.34E-02
2875	489372.4	3859092.58	0.09188	0.87577	0.0276	0.10283	3.43E-04	2.61E-02	1.76E-04	3.25E-04	2.70E-02	3.12E-04	2.64E-08	2.35E-06	8.85E-06	3.23E-04	3.96E-04	2.61E-02	1.76E-04	3.25E-04	2.70E-02
2876	489422.4	3859092.58	0.09122	0.83835	0.0284	0.10057	3.40E-04	2.50E-02	1.81E-04	3.18E-04	2.58E-02	3.10E-04	2.53E-08	2.42E-06	8.66E-06	3.21E-04	3.94E-04	2.50E-02	1.81E-04	3.18E-04	2.59E-02
2877	489372.4	3859142.58	0.08993	0.90001	0.0253	0.10955	3.36E-04	2.69E-02	1.61E-04	3.46E-04	2.77E-02	3.05E-04	2.72E-08	2.15E-06	9.43E-06	3.17E-04	3.88E-04	2.69E-02	1.61E-04	3.46E-04	2.77E-02
2878	489422.4	3859142.58	0.08927	0.86137	0.0261	0.10685	3.33E-04	2.57E-02	1.66E-04	3.37E-04	2.65E-02	3.03E-04	2.60E-08	2.22E-06	9.20E-06	3.15E-04	3.85E-04	2.57E-02	1.66E-04	3.37E-04	2.66E-02
2879	488870.84	3858666.64	0.12169	0.64587	0.0532	0.07495	4.54E-04	1.93E-02	3.40E-04	2.37E-04	2.03E-02	4.13E-04	1.95E-08	4.53E-06	6.45E-06	4.24E-04	5.25E-04	1.93E-02	3.40E-04	2.37E-04	2.04E-02
2880	488900.84	3858666.64	0.12119	0.63856	0.0552	0.07415	4.52E-04	1.91E-02	3.52E-04	2.34E-04	2.01E-02	4.11E-04	1.93E-08	4.70E-06	6.39E-06	4.23E-04	5.23E-04	1.91E-02	3.52E-04	2.34E-04	2.02E-02
2881	488870.84	3858696.64	0.11963	0.68497	0.0478	0.0767	4.46E-04	2.04E-02	3.05E-04	2.42E-04	2.14E-02	4.06E-04	2.07E-08	4.06E-06	6.60E-06	4.17E-04	5.16E-04	2.04E-02	3.05E-04	2.42E-04	2.15E-02
2882	488900.84	3858696.64	0.11915	0.67608	0.0496	0.07591	4.45E-04	2.02E-02	3.16E-04	2.40E-04	2.12E-02	4.05E-04	2.04E-08	4.21E-06	6.54E-06	4.15E-04	5.14E-04	2.02E-02	3.16E-04	2.40E-04	2.12E-02
2883	488889.67	3858683.97	0.12021	0.66225	0.0512	0.07542	4.49E-04	1.98E-02	3.26E-04	2.38E-04	2.08E-02	4.08E-04	2.00E-08	4.35E-06	6.49E-06	4.19E-04	5.19E-04	1.98E-02	3.26E-04	2.38E-04	2.08E-02
2884	488919.67	3858683.97	0.11968	0.65485	0.053	0.07469	4.47E-04	1.95E-02	3.38E-04	2.36E-04	2.06E-02	4.06E-04	1.98E-08	4.51E-06	6.43E-06	4.17E-04	5.16E-04	1.95E-02	3.38E-04	2.36E-04	2.06E-02
2885	488889.67	3858713.97	0.11819	0.70367	0.0461	0.07731	4.41E-04	2.10E-02	2.94E-04	2.44E-04	2.20E-02	4.01E-04	2.12E-08	3.92E-06	6.66E-06	4.12E-04	5.10E-04	2.10E-02	2.94E-04	2.44E-04	2.20E-02
2886	488919.67	3858713.97	0.11771	0.69399	0.0477	0.07656	4.39E-04	2.07E-02	3.04E-04	2.42E-04	2.17E-02	4.00E-04	2.10E-08	4.06E-06	6.59E-06	4.10E-04	5.08E-04	2.07E-02	3.04E-04	2.42E-04	2.18E-02
2887	488906.61	3858703.33	0.1186	0.68356	0.0487	0.07619	4.43E-04	2.04E-02	3.11E-04	2.41E-04	2.14E-02	4.03E-04	2.06E-08	4.15E-06	6.56E-06	4.13E-04	5.12E-04	2.04E-02	3.11E-04	2.41E-04	2.15E-02
2888	488936.61	3858703.33	0.11815	0.67407	0.0505	0.07546	4.41E-04	2.01E-02	3.22E-04	2.38E-04	2.11E-02	4.01E-04	2.04E-08	4.29E-06	6.50E-06	4.12E-04	5.10E-04	2.01E-02	3.22E-04	2.38E-04	2.12E-02
2889	488906.61	3858733.33	0.11677	0.72515	0.0441	0.07818	4.36E-04	2.16E-02	2.81E-04	2.47E-04	2.26E-02	3.96E-04	2.19E-08	3.75E-06	6.73E-06	4.07E-04	5.04E-04	2.16E-02	2.81E-04	2.47E-04	2.27E-02
2890	488936.61	3858733.33	0.11626	0.71505	0.0457	0.07744	4.34E-04	2.13E-02	2.91E-04	2.45E-04	2.23E-02	3.95E-04	2.16E-08	3.88E-06	6.67E-06	4.05E-04	5.02E-04	2.13E-02	2.91E-04	2.45E-04	2.24E-02
2891	488637.63	3858467.85	0.14178	0.53733	0.0932	0.07591	5.29E-04	1.60E-02	5.95E-04	2.40E-04	1.74E-02	4.81E-04	1.62E-08	7.93E-06	6.54E-06	4.96E-04	6.12E-04	1.60E-02	5.95E-04	2.40E-04	1.75E-02
2892	488662.63	3858467.85	0.14119	0.53238	0.0975	0.07477	5.27E-04	1.59E-02	6.22E-04	2.36E-04	1.73E-02	4.79E-04	1.61E-08	8.30E-06	6.44E-06	4.94E-04	6.09E-04	1.59E-02	6.22E-04	2.36E-04	1.74E-02
2893	488637.63	3858492.85	0.13945	0.55076	0.0811	0.07712	5.20E-04	1.64E-02	5.17E-04	2.43E-04	1.77E-02	4.73E-04	1.66E-08	6.90E-06	6.64E-06	4.87E-04	6.02E-04	1.64E-02	5.17E-04	2.43E-04	1.78E-02
2894	488662.63	3858492.85	0.13892	0.54552	0.0849	0.07594	5.18E-04	1.63E-02	5.41E-04	2.40E-04	1.76E-02	4.72E-04	1.65E-08	7.22E-06	6.54E-06	4.85E-04	5.99E-04	1.63E-02	5.41E-04	2.40E-04	1.77E-02
2895	488687.63	3858492.85	0.13847	0.53994	0.0887	0.07481	5.17E-04	1.61E-02	5.66E-04	2.36E-04	1.74E-02	4.70E-04	1.63E-08	7.54E-06	6.44E-06	4.84E-04	5.98E-04	1.61E-02	5.66E-04	2.36E-04	1.75E-02
2896	488637.63	3858517.85	0.13712	0.56595	0.0712	0.0782	5.12E-04	1.69E-02	4.54E-04	2.47E-04	1.81E-02	4.66E-04	1.71E-08	6.06E-06	6.73E-06	4.78E-04	5.92E-04	1.69E-02	4.54E-04	2.47E-04	1.82E-02
2897	488662.63	3858517.85	0.13666	0.56035	0.0744	0.077	5.10E-04	1.67E-02	4.75E-04	2.43E-04	1.79E-02	4.64E-04	1.69E-08	6.33E-06	6.63E-06	4.77E-04	5.90E-04	1.67E-02	4.75E-04	2.43E-04	1.80E-02
2898	488687.63	3858517.85	0.13617	0.55515	0.0777	0.07586	5.08E-04	1.66E-02	4.96E-04	2.40E-04	1.78E-02	4.62E-04	1.68E-08	6.61E-06	6.53E-06	4.75E-04	5.88E-04	1.66E-02	4.96E-04	2.40E-04	1.79E-02
2899	488194.42	3857168.98	0.87609	0.24423	0.0366	0.02728	3.27E-03	7.29E-03	2.33E-04	8.61E-05	1.09E-02	2.97E-03	7.38E-09	3.11E-06	2.35E-06	2.98E-03	3.78E-03	7.29E-03	2.33E-04	8.61E-05	1.14E-02
2900	488244.42	3857168.98	0.8446	0.24414	0.0372	0.02721	3.15E-03	7.28E-03	2.37E-04	8.59E-05	1.08E-02	2.87E-03	7.37E-09	3.16E-06	2.34E-06	2.87E-03	3.64E-03	7.28E-03	2.37E-04	8.59E-05	1.13E-02
2901	488294.42	3857168.98	0.8164	0.24295	0.0378	0.02719	3.05E-03	7.25E-03	2.41E-04	8.58E-05	1.06E-02	2.77E-03	7.34E-09	3.21E-06	2.34E-06	2.78E-03	3.52E-03	7.25E-03	2.41E-04	8.58E-05	1.11E-02
2902	488244.42	3857218.98	0.79274	0.24746	0.0405	0.02737	2.96E-03	7.38E-03	2.58E-04	8.64E-05	1.07E-02	2.69E-03	7.47E-09	3.44E-06	2.36E-06	2.70E-03	3.42E-03	7.38E-03	2.58E-04	8.64E-05	1.11E-02
2903	488294.42	3857218.98	0.76758	0.24673	0.0411	0.02739	2.86E-03	7.36E-03	2.62E-04	8.65E-05	1.06E-02	2.61E-03	7.45E-09	3.50E-06	2.36E-06	2.61E-03	3.31E-03	7.36E-03	2.62E-04	8.65E-05	1.10E-02
2904	488294.42	3857268.98	0.71749	0.25121	0.0451	0.02773	2.68E-03	7.49E-03	2.88E-04	8.76E-05	1.05E-02	2.44E-03	7.59E-09	3.83E-06	2.39E-06	2.44E-03	3.10E-03	7.49E-03	2.88E-04	8.76E-05	1.10E-02
2905	488139.13	3857111.68	0.9793	0.24159	0.033	0.02749	3.65E-03	7.21E-03	2.11E-04	8.68E-05	1.12E-02	3.32E-03	7.30E-09	2.81E-06	2.37E-06	3.33E-03	4.23E-03	7.21E-03	2.11E-04	8.68E-05	1.17E-02
2906	488189.13	3857111.68	0.93999	0.24188	0.0333	0.02734	3.51E-03	7.22E-03	2.13E-04	8.63E-05	1.10E-02	3.19E-03	7.30E-09	2.83E-06	2.35E-06	3.20E-03	4.06E-03	7.22E-03	2.13E-04	8.63E-05	1.16E-02
2907	488189.13	3857161.68	0.8874	0.24395	0.0361	0.02729	3.31E-03	7.28E-03	2.30E-04	8.62E-05	1.09E-02	3.01E-03	7.37E-09	3.07E-06	2.35E-06	3.02E-03	3.83E-03	7.28E-03	2.30E-04	8.62E-05	1.14E-02
2908	487951.04	3856961.26	1.33272	0.23776	0.03	0.02902	4.97E-03	7.09E-03	1.91E-04	9.16E-05	1.23E-02	4.52E-03	7.18E-09	2.55E-06	2.50E-06	4.53E-03	5.75E-03	7.09E-03	1.91E-04	9.16E-05	1.31E-02
2909	488001.04	3856961.26	1.2712	0.23608	0.0287	0.02882	4.74E-03	7.04E-03	1.83E-04	9.10E-05	1.21E-02	4.32E-03	7.13E-09	2.44E-06	2.48E-06	4.32E-03	5.49E-03	7.04E-03	1.83E-04	9.10E-05	1.28E-02
2910	488051.04	3856961.26	1.21678	0.23299	0.0275	0.02864	4.54E-03	6.95E-03	1.75E-04	9.04E-05	1.18E-02	4.13E-03	7.04E-09	2.34E-06	2.47E-06	4.14E-03	5.25E-03	6.95E-03	1.75E-04	9.04E-05	1.25E-02
2911	488101.04	3856961.26	1.16115	0.23356	0.0268	0.02843	4.33E-03	6.97E-03	1.71E-04	8.98E-05	1.16E-02	3.94E-03	7.05E-09	2.28E-06	2.45E-06	3.95E-03	5.01E-03	6.97E-03	1.71E-04	8.98E-05	1.22E-02
2912	487951.04	3857011.26	1.27934	0.24279	0.0319	0.0286	4.77E-03	7.24E-03	2.04E-04	9.03E-05	1.23E-02	4.34E-03	7.33E-09	2.72E-06	2.46E-06	4.35E-03	5.52E-03	7.24E-03	2.04E-04	9.03E-05	1.31E-02
2913	488001.04	3857011.26	1.22337	0.23929	0.0307	0.02845	4.56E-03	7.14E-03	1.96E-04	8.98E-05	1.20E-02	4.15E-03	7.23E-09	2.61E-06	2.45E-06	4.16E-03	5.28E-03	7.14E-03	1.96E-04	8.98E-05	1.27E-02
2914	488051.04	3857011.26	1.17125	0.23632	0.0294	0.02829	4.37E-03	7.05E-03	1.88E-04	8.93E-05	1.17E-02	3.98E-03	7.14E-09	2.50E-06	2.44E-06	3.98E-03	5.05E-03	7.05E-03	1.88E-04	8.93E-05	1.24E-02
2915	488101.04	3857011.26	1.11819	0.23683	0.0287	0.02809	4.17E-03	7.07E-03	1.83E-04	8.87E-05	1.15E-02	3.80E-03	7.15E-09	2.44E-06	2.42E-06	3.80E-03	4.83E-03	7.07E-03	1.83E-04	8.87E-05	1.22E-02
2916	488001.04	3857061.26	1.1631	0.24323	0.0329	0.02814	4.34E-03	7.26E-03	2.10E-04	8.88E-05	1.19E-02	3.95E-03	7.35E-09	2.80E-06	2.42E-06	3.95E-03	5.02E-03	7.26E-03	2.10E-04	8.88E-05	1.26E-02
2917	488051.04	3857061.26	1.11326	0.24145	0.0316	0.02799	4.15E-03	7.20E-03	2.02E-04	8.84E-05	1.16E-02	3.78E-03	7.29E-09	2.69E-06	2.41E-06	3.78E-03	4.80E-03	7.20E-03	2.02E-04	8.84E-05	1.23E-02
2918	488101.04	3857061.26	1.06615	0.24042	0.0308	0.02781	3.98E-03	7.17E-03	1.96E-04	8.78E-05	1.14E-02	3.62E-03	7.26E-09	2.62E-06	2.39E-06	3.62E-03	4.60E-03	7.17E-03	1.96E-04	8.78E-05	1.21E-02
2919	487638.98	3856673.79	1.75792	0.21944	0.0227	0.03545	6.56E-03	6.55E-03	1.45E-04	1.12E-04	1.34E-02	5.97E-03	6.63E-09	1.93E-06	3.05E-06	5.97E-03	7.59E-03	6.55E-03	1.45E-04	1.12E-04	1.44E-02
2920	487688.98	3856673.79	1.68741	0.21796	0.0237	0.03491	6.30E-03	6.50E-03	1.51E-04	1.10E-04	1.31E-02	5.73E-03	6.58E-09	2.01E-06	3.01E-06	5.73E-03	7.28E-03	6.50E-03	1.51E-04	1.10E-04	1.40E-02
2921	487638.98	3856723.79	1.81255	0.22568	0.0232	0.03443	6.76E-03	6.73E-03	1.48E-04	1.09E-04	1.38E-02	6.15E-03	6.82E-09	1.97E-06	2.96E-06	6.16E-03	7.82E-03	6.73E-03	1.48E-04	1.09E-04	1.48E-02
2922	487688.98	3856723.79	1.73397	0.22381	0.0243	0.03395	6.47E-03	6.68E-03	1.55E-04	1.07E-04	1.34E-02	5.89E-03	6.76E-09	2.06E-06	2.92E-06	5.89E-03	7.48E-03	6.68E-03	1.55E-04	1.07E-04	1.44E-02
2923	486324.61	3855740.57	1.74593	0.1311	0.0088	0.06682	6.51E-03	3.91E-03	5.59E-05	2.11E-04	1.07E-02	5.93E-03	3.96E-09	7.46E-07	5.75E-06	5.93E-03	7.53E-03	3.91E-03	5.59E-05	2.11E-04	1.17E-02
2924	486374.61	3855740.57	1.61418	0.12657	0.0089	0.06592	6.02E-03	3.78E-03	5.66E-05	2.08E-04	1.01E-02	5.48E-03	3.82E-09	7.55E-07	5.68E-06	5.49E-03	6.97E-03	3.78E-03	5.66E-05	2.08E-04	1.10E-02

2925	486424.61	3855740.57	1.53721	0.1246	0.0089	0.0649	5.74E-03	3.72E-03	5.70E-05	2.05E-04	9.72E-03	5.22E-03	3.76E-09	7.60E-07	5.59E-06	5.23E-03	6.63E-03	3.72E-03	5.70E-05	2.05E-04	1.06E-02
2926	486324.61	3855790.57	1.86594	0.13725	0.0089	0.06978	6.96E-03	4.09E-03	5.70E-05	2.20E-04	1.13E-02	6.33E-03	4.14E-09	7.60E-07	6.01E-06	6.34E-03	8.05E-03	4.09E-03	5.70E-05	2.20E-04	1.24E-02
2927	486374.61	3855790.57	1.73055	0.13296	0.0091	0.06868	6.46E-03	3.97E-03	5.77E-05	2.17E-04	1.07E-02	5.88E-03	4.02E-09	7.70E-07	5.91E-06	5.88E-03	7.47E-03	3.97E-03	5.77E-05	2.17E-04	1.17E-02
2928	486424.61	3855790.57	1.66359	0.13187	0.009	0.06743	6.21E-03	3.93E-03	5.76E-05	2.13E-04	1.04E-02	5.65E-03	3.98E-09	7.68E-07	5.81E-06	5.65E-03	7.18E-03	3.93E-03	5.76E-05	2.13E-04	1.14E-02
2929	486324.61	3855840.57	1.99144	0.14342	0.0091	0.07257	7.43E-03	4.28E-03	5.80E-05	2.29E-04	1.20E-02	6.76E-03	4.33E-09	7.73E-07	6.25E-06	6.77E-03	8.59E-03	4.28E-03	5.80E-05	2.29E-04	1.32E-02
2930	486374.61	3855840.57	1.89842	0.14183	0.0091	0.07111	7.08E-03	4.23E-03	5.82E-05	2.25E-04	1.16E-02	6.45E-03	4.28E-09	7.76E-07	6.12E-06	6.45E-03	8.19E-03	4.23E-03	5.82E-05	2.25E-04	1.27E-02
2931	486424.61	3855840.57	1.79938	0.13945	0.0092	0.06972	6.71E-03	4.16E-03	5.84E-05	2.20E-04	1.12E-02	6.11E-03	4.21E-09	7.79E-07	6.00E-06	6.12E-03	7.76E-03	4.16E-03	5.84E-05	2.20E-04	1.22E-02
2932	486324.61	3855890.57	2.18799	0.15277	0.0091	0.07485	8.16E-03	4.56E-03	5.79E-05	2.36E-04	1.30E-02	7.43E-03	4.61E-09	7.71E-07	6.45E-06	7.44E-03	9.44E-03	4.56E-03	5.79E-05	2.36E-04	1.43E-02
2933	486374.61	3855890.57	2.07024	0.15054	0.0092	0.07322	7.73E-03	4.49E-03	5.86E-05	2.31E-04	1.25E-02	7.03E-03	4.55E-09	7.82E-07	6.30E-06	7.04E-03	8.93E-03	4.49E-03	5.86E-05	2.31E-04	1.37E-02
2934	486424.61	3855890.57	1.95069	0.14759	0.0093	0.07165	7.28E-03	4.40E-03	5.92E-05	2.26E-04	1.20E-02	6.62E-03	4.46E-09	7.89E-07	6.17E-06	6.63E-03	8.42E-03	4.40E-03	5.92E-05	2.26E-04	1.31E-02
2935	488735.69	3858285.64	0.1627	0.44241	0.3158	0.06204	6.07E-04	1.32E-02	2.01E-03	1.96E-04	1.60E-02	5.52E-04	1.34E-08	2.69E-05	5.34E-06	5.85E-04	7.02E-04	1.32E-02	2.01E-03	1.96E-04	1.61E-02
2936	488765.69	3858285.64	0.16283	0.4378	0.3133	0.06121	6.08E-04	1.31E-02	2.00E-03	1.93E-04	1.59E-02	5.53E-04	1.32E-08	2.66E-05	5.27E-06	5.85E-04	7.03E-04	1.31E-02	2.00E-03	1.93E-04	1.60E-02
2937	488735.69	3858315.64	0.15808	0.45295	0.2677	0.06365	5.90E-04	1.35E-02	1.71E-03	2.01E-04	1.60E-02	5.37E-04	1.37E-08	2.28E-05	5.48E-06	5.65E-04	6.82E-04	1.35E-02	1.71E-03	2.01E-04	1.61E-02
2938	488765.69	3858315.64	0.15812	0.44794	0.2681	0.06277	5.90E-04	1.34E-02	1.71E-03	1.98E-04	1.59E-02	5.37E-04	1.35E-08	2.28E-05	5.41E-06	5.65E-04	6.82E-04	1.34E-02	1.71E-03	1.98E-04	1.60E-02
2939	478676.63	3849871.93	0.01041	0.00843	0.0021	0.00287	3.88E-05	2.51E-04	1.31E-05	9.06E-06	3.13E-04	3.53E-05	2.55E-10	1.75E-07	2.47E-07	3.58E-05	4.49E-05	2.51E-04	1.31E-05	9.06E-06	3.19E-04
2940	479326.63	3849871.93	0.0151	0.0068	0.002	0.00301	5.63E-05	2.03E-04	1.29E-05	9.50E-06	2.82E-04	5.13E-05	2.05E-10	1.73E-07	2.59E-07	5.17E-05	6.52E-05	2.03E-04	1.29E-05	9.50E-06	2.90E-04
2941	479376.63	3849871.93	0.01547	0.00667	0.002	0.00302	5.77E-05	1.99E-04	1.29E-05	9.54E-06	2.79E-04	5.25E-05	2.01E-10	1.73E-07	2.60E-07	5.30E-05	6.68E-05	1.99E-04	1.29E-05	9.54E-06	2.88E-04
2942	479426.63	3849871.93	0.01586	0.00658	0.002	0.00303	5.92E-05	1.96E-04	1.29E-05	9.57E-06	2.78E-04	5.38E-05	1.99E-10	1.73E-07	2.61E-07	5.43E-05	6.84E-05	1.96E-04	1.29E-05	9.57E-06	2.87E-04
2943	478726.63	3849921.93	0.01055	0.00858	0.0021	0.00289	3.94E-05	2.56E-04	1.33E-05	9.12E-06	3.18E-04	3.58E-05	2.59E-10	1.77E-07	2.49E-07	3.62E-05	4.55E-05	2.56E-04	1.33E-05	9.12E-06	3.24E-04
2944	478776.63	3849921.93	0.01079	0.00852	0.0021	0.0029	4.03E-05	2.54E-04	1.32E-05	9.16E-06	3.17E-04	3.66E-05	2.57E-10	1.76E-07	2.50E-07	3.71E-05	4.66E-05	2.54E-04	1.32E-05	9.16E-06	3.23E-04
2945	478826.63	3849921.93	0.01105	0.00843	0.0021	0.00291	4.12E-05	2.51E-04	1.32E-05	9.19E-06	3.15E-04	3.75E-05	2.55E-10	1.76E-07	2.51E-07	3.79E-05	4.77E-05	2.51E-04	1.32E-05	9.19E-06	3.22E-04
2946	478976.63	3849921.93	0.01201	0.00813	0.0021	0.00295	4.48E-05	2.43E-04	1.31E-05	9.31E-06	3.10E-04	4.08E-05	2.46E-10	1.75E-07	2.54E-07	4.12E-05	5.18E-05	2.43E-04	1.31E-05	9.31E-06	3.17E-04
2947	479026.63	3849921.93	0.01243	0.00813	0.0021	0.00295	4.64E-05	2.43E-04	1.31E-05	9.31E-06	3.11E-04	4.22E-05	2.46E-10	1.75E-07	2.54E-07	4.26E-05	5.36E-05	2.43E-04	1.31E-05	9.31E-06	3.19E-04
2948	479076.63	3849921.93	0.01285	0.00804	0.0021	0.00296	4.79E-05	2.40E-04	1.31E-05	9.35E-06	3.10E-04	4.36E-05	2.43E-10	1.74E-07	2.55E-07	4.41E-05	5.54E-05	2.40E-04	1.31E-05	9.35E-06	3.18E-04
2949	479126.63	3849921.93	0.01327	0.00791	0.0021	0.00297	4.95E-05	2.36E-04	1.31E-05	9.38E-06	3.08E-04	4.51E-05	2.39E-10	1.74E-07	2.56E-07	4.55E-05	5.73E-05	2.36E-04	1.31E-05	9.38E-06	3.16E-04
2950	479176.63	3849921.93	0.01374	0.00782	0.0021	0.00297	5.13E-05	2.33E-04	1.31E-05	9.38E-06	3.07E-04	4.66E-05	2.36E-10	1.74E-07	2.56E-07	4.71E-05	5.93E-05	2.33E-04	1.31E-05	9.38E-06	3.15E-04
2951	479226.63	3849921.93	0.01413	0.00753	0.002	0.00299	5.27E-05	2.25E-04	1.30E-05	9.44E-06	3.00E-04	4.80E-05	2.27E-10	1.73E-07	2.57E-07	4.84E-05	6.10E-05	2.25E-04	1.30E-05	9.44E-06	3.08E-04
2952	479276.63	3849921.93	0.01443	0.00713	0.002	0.00301	5.38E-05	2.13E-04	1.30E-05	9.50E-06	2.89E-04	4.90E-05	2.15E-10	1.73E-07	2.59E-07	4.94E-05	6.23E-05	2.13E-04	1.30E-05	9.50E-06	2.97E-04
2953	479326.63	3849921.93	0.01505	0.00733	0.002	0.003	5.62E-05	2.19E-04	1.30E-05	9.47E-06	2.97E-04	5.11E-05	2.21E-10	1.73E-07	2.58E-07	5.15E-05	6.49E-05	2.19E-04	1.30E-05	9.47E-06	3.06E-04
2954	479376.63	3849921.93	0.01533	0.00692	0.002	0.00303	5.72E-05	2.06E-04	1.30E-05	9.57E-06	2.86E-04	5.20E-05	2.09E-10	1.73E-07	2.61E-07	5.25E-05	6.62E-05	2.06E-04	1.30E-05	9.57E-06	2.95E-04
2955	479426.63	3849921.93	0.01583	0.007	0.002	0.00303	5.91E-05	2.09E-04	1.30E-05	9.57E-06	2.90E-04	5.37E-05	2.11E-10	1.73E-07	2.61E-07	5.42E-05	6.83E-05	2.09E-04	1.30E-05	9.57E-06	3.00E-04
2956	478726.63	3849971.93	0.01048	0.00878	0.0021	0.00289	3.91E-05	2.62E-04	1.33E-05	9.12E-06	3.23E-04	3.56E-05	2.65E-10	1.78E-07	2.49E-07	3.60E-05	4.52E-05	2.62E-04	1.33E-05	9.12E-06	3.30E-04
2957	478776.63	3849971.93	0.01069	0.00871	0.0021	0.0029	3.99E-05	2.60E-04	1.33E-05	9.16E-06	3.22E-04	3.63E-05	2.63E-10	1.78E-07	2.50E-07	3.67E-05	4.61E-05	2.60E-04	1.33E-05	9.16E-06	3.28E-04
2958	478826.63	3849971.93	0.01092	0.00863	0.0021	0.00291	4.07E-05	2.57E-04	1.33E-05	9.19E-06	3.21E-04	3.71E-05	2.61E-10	1.77E-07	2.51E-07	3.75E-05	4.71E-05	2.57E-04	1.33E-05	9.19E-06	3.27E-04
2959	478976.63	3849971.93	0.01186	0.00849	0.0021	0.00294	4.43E-05	2.53E-04	1.32E-05	9.28E-06	3.20E-04	4.03E-05	2.56E-10	1.76E-07	2.53E-07	4.07E-05	5.12E-05	2.53E-04	1.32E-05	9.28E-06	3.27E-04
2960	479026.63	3849971.93	0.01221	0.00837	0.0021	0.00295	4.56E-05	2.50E-04	1.32E-05	9.31E-06	3.18E-04	4.15E-05	2.53E-10	1.76E-07	2.54E-07	4.19E-05	5.27E-05	2.50E-04	1.32E-05	9.31E-06	3.25E-04
2961	479076.63	3849971.93	0.01259	0.00826	0.0021	0.00297	4.70E-05	2.46E-04	1.32E-05	9.38E-06	3.16E-04	4.27E-05	2.49E-10	1.76E-07	2.56E-07	4.32E-05	5.43E-05	2.46E-04	1.32E-05	9.38E-06	3.23E-04
2962	479126.63	3849971.93	0.01301	0.00816	0.0021	0.00297	4.85E-05	2.43E-04	1.31E-05	9.38E-06	3.15E-04	4.42E-05	2.46E-10	1.75E-07	2.56E-07	4.46E-05	5.61E-05	2.43E-04	1.31E-05	9.38E-06	3.22E-04
2963	479176.63	3849971.93	0.01347	0.00804	0.0021	0.00298	5.03E-05	2.40E-04	1.31E-05	9.41E-06	3.13E-04	4.57E-05	2.43E-10	1.75E-07	2.57E-07	4.62E-05	5.81E-05	2.40E-04	1.31E-05	9.41E-06	3.21E-04
2964	479226.63	3849971.93	0.01371	0.00751	0.0021	0.00301	5.12E-05	2.24E-04	1.31E-05	9.50E-06	2.98E-04	4.65E-05	2.27E-10	1.75E-07	2.59E-07	4.70E-05	5.92E-05	2.24E-04	1.31E-05	9.50E-06	3.06E-04
2965	479276.63	3849971.93	0.01432	0.00767	0.0021	0.00301	5.34E-05	2.29E-04	1.31E-05	9.50E-06	3.05E-04	4.86E-05	2.32E-10	1.75E-07	2.59E-07	4.91E-05	6.18E-05	2.29E-04	1.31E-05	9.50E-06	3.13E-04
2966	479326.63	3849971.93	0.01487	0.00774	0.0021	0.003	5.55E-05	2.31E-04	1.31E-05	9.47E-06	3.09E-04	5.05E-05	2.34E-10	1.74E-07	2.58E-07	5.09E-05	6.42E-05	2.31E-04	1.31E-05	9.47E-06	3.18E-04
2967	479376.63	3849971.93	0.0152	0.00732	0.0021	0.00303	5.67E-05	2.18E-04	1.31E-05	9.57E-06	2.98E-04	5.16E-05	2.21E-10	1.74E-07	2.61E-07	5.20E-05	6.56E-05	2.18E-04	1.31E-05	9.57E-06	3.07E-04
2968	479426.63	3849971.93	0.01567	0.00728	0.0021	0.00303	5.85E-05	2.17E-04	1.31E-05	9.57E-06	2.98E-04	5.32E-05	2.20E-10	1.74E-07	2.61E-07	5.36E-05	6.76E-05	2.17E-04	1.31E-05	9.57E-06	3.07E-04
2969	478726.63	3850021.93	0.01045	0.00898	0.0021	0.00289	3.90E-05	2.68E-04	1.34E-05	9.12E-06	3.29E-04	3.55E-05	2.71E-10	1.79E-07	2.49E-07	3.59E-05	4.51E-05	2.68E-04	1.34E-05	9.12E-06	3.36E-04
2970	478776.63	3850021.93	0.01062	0.0089	0.0021	0.00291	3.96E-05	2.66E-04	1.34E-05	9.19E-06	3.28E-04	3.61E-05	2.69E-10	1.79E-07	2.51E-07	3.65E-05	4.58E-05	2.66E-04	1.34E-05	9.19E-06	3.34E-04
2971	478826.63	3850021.93	0.01083	0.00884	0.0021	0.00292	4.04E-05	2.64E-04	1.34E-05	9.22E-06	3.27E-04	3.68E-05	2.67E-10	1.79E-07	2.51E-07	3.72E-05	4.67E-05	2.64E-04	1.34E-05	9.22E-06	3.33E-04
2972	478976.63	3850021.93	0.01167	0.0087	0.0021	0.00295	4.35E-05	2.60E-04	1.33E-05	9.31E-06	3.26E-04	3.96E-05	2.63E-10	1.78E-07	2.54E-07	4.01E-05	5.04E-05	2.60E-04	1.33E-05	9.31E-06	3.33E-04
2973	478726.63	3850071.93	0.01046	0.00918	0.0021	0.0029	3.90E-05	2.74E-04	1.35E-05	9.16E-06	3.36E-04	3.55E-05	2.77E-10	1.80E-07	2.50E-07	3.59E-05	4.51E-05	2.74E-04	1.35E-05	9.16E-06	3.42E-04
2974	478776.63	3850071.93	0.0106	0.00913	0.0021	0.00291	3.96E-05	2.72E-04	1.35E-05	9.19E-06	3.35E-04	3.60E-05	2.76E-10	1.79E-07	2.51E-07	3.64E-05	4.57E-05	2.72E-04	1.35E-05	9.19E-06	3.41E-04
2975	478826.63	3850071.93	0.01077	0.00906	0.0021	0.00292	4.02E-05	2.70E-04	1.35E-05	9.22E-06	3.33E-04	3.66E-05	2.74E-10	1.79E-07	2.51E-07	3.70E-05	4.65E-05	2.70E-04	1.35E-05	9.22E-06	3.39E-04
2976	478876.63	3850071.93	0.01098	0.009	0.0021	0.00293	4.10E-05	2.69E-04	1.35E-05	9.25E-06	3.32E-04	3.73E-05	2.72E-10	1.79E-07	2.52E-07	3.77E-05	4.74E-05	2.69E-04	1.35E-05	9.25E-06	3.39E-04
2977	478976.63	3850071.93	0.01152	0.00893	0.0021	0.00295	4.30E-05	2.66E-04	1.34E-05	9.31E-06	3.32E-04	3.91E-05	2.70E-10	1.79E-07	2.54E-07	3.95E-05	4.97E-05	2.66E-04	1.34E-05	9.31E-06	3.39E-04
2978	478726.63	3850121.93	0.0105	0.00938	0.0021	0.00291	3.92E-05	2.80E-04	1.36E-05	9.19E-06	3.42E-04	3.56E-05	2.83E-10	1.81E-07	2.51E-07	3.61E-05	4.53E-05	2.80E-04	1.36E-05	9.19E-06	3.48E-04
2979	478776.63	3850121.93	0.01062	0.00934	0.0021	0.00292	3.96E-05	2.79E-04	1.36E-05	9.22E-06	3.41E-04	3.61E-05	2.82E-10	1.81E-07	2.51E-07	3.65E-05	4.58E-05	2.79E-04	1.36E-05	9.22E-06	3.47E-04
2980	478826.63	3850121.93	0.01076	0.00928	0.0021	0.00293	4.02E-05	2.77E-04	1.36E-05	9.25E-06	3.40E-04	3.65E-05	2.80E-10	1.81E-07	2.52E-07	3.70E-05	4.64E-05	2.77E-04	1.36E-05	9.25E-06	3.46E-04
2981	478876.63	3850121.93	0.01093	0.00921	0.0021	0.00294	4.08E-05	2.75E-04	1.35E-05	9.28E-06	3.38E-04	3.71E-05	2.78E-10	1.80E-07	2.53E-07	3.75E-05	4.72E-05	2.75E-04	1.35E-05	9.28E-06	3.45E-04
2982	478976.63	3850121.93	0.01141	0.00915	0.0021	0.00296	4.26E-05	2.73E-04	1.35E-05	9.35E-06	3.38E-04	3.87E-05	2.76E-10	1.80E-07	2.55E-07	3.92E-05	4.92E-05	2.73E-04	1.35E-05	9.35E-06	3.45E-04
2983	479026.63	3850121.93	0.01169	0.0091	0.0021	0.00297	4.36E-05	2.71E-04	1.35E-05	9.38E-06	3.38E-04	3.97E-05	2.75E-10	1.80E-07	2.56E-07	4.01E-05	5.04E-05	2.71E-04	1.35E-05	9.38E-06	3.45E-04
2984	479076.63	3850121.93	0.012	0.00902	0.0021	0.00298	4.48E-05	2.69E-04	1.35E-05	9.41E-06	3.37E-04	4.07E-05	2.72E-10	1.79E-07	2.57E-07	4.12E-05	5.18E-05	2.69E-04	1.35E-05	9.41E-06	3.44E-04
2985	479126.63	3850121.93	0.01234	0.00894	0.0021	0.00299	4.60E-05	2.67E-04	1.35E-05	9.44E-06	3.36E-04	4.19E-05	2.70E-10	1.79E-07	2.57E-07	4.23E-05	5.32E-05	2.67E-04	1.35E-05	9.44E-06	3.43E-04

2986	478776.63	3850171.93	0.01067	0.00954	0.0021	0.00292	3.98E-05	2.85E-04	1.37E-05	9.22E-06	3.47E-04	3.62E-05	2.88E-10	1.82E-07	2.51E-07	3.67E-05	4.60E-05	2.85E-04	1.37E-05	9.22E-06	3.54E-04
2987	478826.63	3850171.93	0.01078	0.00948	0.0021	0.00294	4.02E-05	2.83E-04	1.37E-05	9.28E-06	3.46E-04	3.66E-05	2.86E-10	1.82E-07	2.53E-07	3.70E-05	4.65E-05	2.83E-04	1.37E-05	9.28E-06	3.52E-04
2988	478876.63	3850171.93	0.01092	0.00942	0.0021	0.00295	4.07E-05	2.81E-04	1.37E-05	9.31E-06	3.45E-04	3.71E-05	2.84E-10	1.82E-07	2.54E-07	3.75E-05	4.71E-05	2.81E-04	1.37E-05	9.31E-06	3.51E-04
2989	478976.63	3850171.93	0.01133	0.00937	0.0021	0.00296	4.23E-05	2.80E-04	1.36E-05	9.35E-06	3.45E-04	3.85E-05	2.83E-10	1.81E-07	2.55E-07	3.89E-05	4.89E-05	2.80E-04	1.36E-05	9.35E-06	3.51E-04
2990	479026.63	3850171.93	0.01159	0.00935	0.0021	0.00297	4.32E-05	2.79E-04	1.36E-05	9.38E-06	3.45E-04	3.93E-05	2.82E-10	1.81E-07	2.56E-07	3.98E-05	5.00E-05	2.79E-04	1.36E-05	9.38E-06	3.52E-04
2991	479076.63	3850171.93	0.01186	0.00927	0.0021	0.00298	4.43E-05	2.77E-04	1.36E-05	9.41E-06	3.44E-04	4.03E-05	2.80E-10	1.81E-07	2.57E-07	4.07E-05	5.12E-05	2.77E-04	1.36E-05	9.41E-06	3.51E-04
2992	479126.63	3850171.93	0.01218	0.0092	0.0021	0.00299	4.54E-05	2.74E-04	1.35E-05	9.44E-06	3.43E-04	4.14E-05	2.78E-10	1.80E-07	2.57E-07	4.18E-05	5.26E-05	2.74E-04	1.35E-05	9.44E-06	3.50E-04
2993	479176.63	3850171.93	0.01254	0.00915	0.0021	0.003	4.68E-05	2.73E-04	1.35E-05	9.47E-06	3.43E-04	4.26E-05	2.76E-10	1.80E-07	2.58E-07	4.30E-05	5.41E-05	2.73E-04	1.35E-05	9.47E-06	3.50E-04
2994	479226.63	3850171.93	0.01297	0.00918	0.0021	0.003	4.84E-05	2.74E-04	1.35E-05	9.47E-06	3.45E-04	4.40E-05	2.77E-10	1.80E-07	2.58E-07	4.45E-05	5.60E-05	2.74E-04	1.35E-05	9.47E-06	3.53E-04
2995	479276.63	3850171.93	0.01342	0.00922	0.0021	0.003	5.01E-05	2.75E-04	1.35E-05	9.47E-06	3.48E-04	4.56E-05	2.78E-10	1.80E-07	2.58E-07	4.60E-05	5.79E-05	2.75E-04	1.35E-05	9.47E-06	3.56E-04
2996	479326.63	3850171.93	0.01383	0.00907	0.0021	0.00301	5.16E-05	2.71E-04	1.35E-05	9.50E-06	3.45E-04	4.70E-05	2.74E-10	1.79E-07	2.59E-07	4.74E-05	5.97E-05	2.71E-04	1.35E-05	9.50E-06	3.53E-04
2997	479376.63	3850171.93	0.01427	0.0089	0.0021	0.00303	5.32E-05	2.66E-04	1.35E-05	9.57E-06	3.42E-04	4.84E-05	2.69E-10	1.79E-07	2.61E-07	4.89E-05	6.16E-05	2.66E-04	1.35E-05	9.57E-06	3.50E-04
2998	478676.63	3850221.93	0.01065	0.00975	0.0022	0.00291	3.97E-05	2.91E-04	1.37E-05	9.19E-06	3.54E-04	3.62E-05	2.94E-10	1.83E-07	2.51E-07	3.66E-05	4.60E-05	2.91E-04	1.37E-05	9.19E-06	3.60E-04
2999	478726.63	3850221.93	0.01069	0.00976	0.0022	0.00292	3.99E-05	2.91E-04	1.37E-05	9.22E-06	3.54E-04	3.63E-05	2.95E-10	1.83E-07	2.51E-07	3.67E-05	4.61E-05	2.91E-04	1.37E-05	9.22E-06	3.60E-04
3000	478976.63	3850221.93	0.0113	0.0096	0.0022	0.00297	4.22E-05	2.86E-04	1.37E-05	9.38E-06	3.52E-04	3.84E-05	2.90E-10	1.83E-07	2.56E-07	3.88E-05	4.88E-05	2.86E-04	1.37E-05	9.38E-06	3.58E-04
3001	479026.63	3850221.93	0.01153	0.00958	0.0022	0.00298	4.30E-05	2.86E-04	1.37E-05	9.41E-06	3.52E-04	3.91E-05	2.89E-10	1.83E-07	2.57E-07	3.96E-05	4.98E-05	2.86E-04	1.37E-05	9.41E-06	3.59E-04
3002	479076.63	3850221.93	0.01177	0.00951	0.0021	0.00299	4.39E-05	2.84E-04	1.37E-05	9.44E-06	3.51E-04	4.00E-05	2.87E-10	1.82E-07	2.57E-07	4.04E-05	5.08E-05	2.84E-04	1.37E-05	9.44E-06	3.58E-04
3003	479126.63	3850221.93	0.01205	0.00946	0.0021	0.003	4.50E-05	2.82E-04	1.37E-05	9.47E-06	3.50E-04	4.09E-05	2.86E-10	1.82E-07	2.58E-07	4.14E-05	5.20E-05	2.82E-04	1.37E-05	9.47E-06	3.57E-04
3004	479176.63	3850221.93	0.0124	0.00945	0.0021	0.003	4.63E-05	2.82E-04	1.37E-05	9.47E-06	3.51E-04	4.21E-05	2.85E-10	1.82E-07	2.58E-07	4.25E-05	5.35E-05	2.82E-04	1.37E-05	9.47E-06	3.59E-04
3005	479226.63	3850221.93	0.01278	0.00944	0.0021	0.00301	4.77E-05	2.82E-04	1.36E-05	9.50E-06	3.52E-04	4.34E-05	2.85E-10	1.81E-07	2.59E-07	4.38E-05	5.51E-05	2.82E-04	1.36E-05	9.50E-06	3.60E-04
3006	479276.63	3850221.93	0.01319	0.00944	0.0021	0.00301	4.92E-05	2.82E-04	1.36E-05	9.50E-06	3.54E-04	4.48E-05	2.85E-10	1.81E-07	2.59E-07	4.52E-05	5.69E-05	2.82E-04	1.36E-05	9.50E-06	3.62E-04
3007	479326.63	3850221.93	0.01357	0.0093	0.0021	0.00302	5.06E-05	2.77E-04	1.36E-05	9.54E-06	3.51E-04	4.61E-05	2.81E-10	1.81E-07	2.60E-07	4.65E-05	5.86E-05	2.77E-04	1.36E-05	9.54E-06	3.59E-04
3008	479376.63	3850221.93	0.014	0.00918	0.0021	0.00303	5.22E-05	2.74E-04	1.35E-05	9.57E-06	3.49E-04	4.75E-05	2.77E-10	1.80E-07	2.61E-07	4.80E-05	6.04E-05	2.74E-04	1.35E-05	9.57E-06	3.57E-04
3009	478676.63	3850271.93	0.01081	0.00991	0.0022	0.00292	4.03E-05	2.96E-04	1.38E-05	9.22E-06	3.59E-04	3.67E-05	2.99E-10	1.84E-07	2.51E-07	3.71E-05	4.66E-05	2.96E-04	1.38E-05	9.22E-06	3.65E-04
3010	478726.63	3850271.93	0.01084	0.00993	0.0022	0.00293	4.04E-05	2.96E-04	1.38E-05	9.25E-06	3.60E-04	3.68E-05	3.00E-10	1.84E-07	2.52E-07	3.72E-05	4.68E-05	2.96E-04	1.38E-05	9.25E-06	3.66E-04
3011	478976.63	3850271.93	0.01129	0.0098	0.0022	0.00298	4.21E-05	2.92E-04	1.38E-05	9.41E-06	3.58E-04	3.83E-05	2.96E-10	1.84E-07	2.57E-07	3.88E-05	4.87E-05	2.92E-04	1.38E-05	9.41E-06	3.64E-04
3012	479026.63	3850271.93	0.0115	0.0098	0.0022	0.00299	4.29E-05	2.92E-04	1.38E-05	9.44E-06	3.58E-04	3.90E-05	2.96E-10	1.84E-07	2.57E-07	3.95E-05	4.96E-05	2.92E-04	1.38E-05	9.44E-06	3.65E-04
3013	479076.63	3850271.93	0.01172	0.00976	0.0022	0.00299	4.37E-05	2.91E-04	1.38E-05	9.44E-06	3.58E-04	3.98E-05	2.95E-10	1.84E-07	2.57E-07	4.02E-05	5.06E-05	2.91E-04	1.38E-05	9.44E-06	3.65E-04
3014	479126.63	3850271.93	0.01197	0.00972	0.0022	0.003	4.47E-05	2.90E-04	1.38E-05	9.47E-06	3.58E-04	4.06E-05	2.94E-10	1.84E-07	2.58E-07	4.11E-05	5.17E-05	2.90E-04	1.38E-05	9.47E-06	3.65E-04
3015	479176.63	3850271.93	0.01228	0.0097	0.0022	0.00301	4.58E-05	2.89E-04	1.37E-05	9.50E-06	3.58E-04	4.17E-05	2.93E-10	1.83E-07	2.59E-07	4.21E-05	5.30E-05	2.89E-04	1.37E-05	9.50E-06	3.66E-04
3016	479226.63	3850271.93	0.01262	0.00969	0.0022	0.00301	4.71E-05	2.89E-04	1.37E-05	9.50E-06	3.59E-04	4.28E-05	2.93E-10	1.83E-07	2.59E-07	4.33E-05	5.45E-05	2.89E-04	1.37E-05	9.50E-06	3.67E-04
3017	479276.63	3850271.93	0.01298	0.00964	0.0022	0.00302	4.84E-05	2.88E-04	1.37E-05	9.54E-06	3.59E-04	4.41E-05	2.91E-10	1.83E-07	2.60E-07	4.45E-05	5.60E-05	2.88E-04	1.37E-05	9.54E-06	3.67E-04
3018	479326.63	3850271.93	0.01334	0.00952	0.0021	0.00303	4.98E-05	2.84E-04	1.37E-05	9.57E-06	3.57E-04	4.53E-05	2.87E-10	1.82E-07	2.61E-07	4.57E-05	5.76E-05	2.84E-04	1.37E-05	9.57E-06	3.65E-04
3019	479376.63	3850271.93	0.01373	0.00936	0.0021	0.00305	5.12E-05	2.79E-04	1.37E-05	9.63E-06	3.54E-04	4.66E-05	2.83E-10	1.82E-07	2.63E-07	4.71E-05	5.92E-05	2.79E-04	1.37E-05	9.63E-06	3.62E-04
3020	479053.24	3850293.52	0.01161	0.00989	0.0022	0.00299	4.33E-05	2.95E-04	1.38E-05	9.44E-06	3.62E-04	3.94E-05	2.99E-10	1.85E-07	2.57E-07	3.99E-05	5.01E-05	2.95E-04	1.38E-05	9.44E-06	3.68E-04
3021	479103.24	3850293.52	0.01184	0.00986	0.0022	0.003	4.42E-05	2.94E-04	1.38E-05	9.47E-06	3.62E-04	4.02E-05	2.98E-10	1.84E-07	2.58E-07	4.06E-05	5.11E-05	2.94E-04	1.38E-05	9.47E-06	3.68E-04
3022	479153.24	3850293.52	0.01209	0.00981	0.0022	0.00301	4.51E-05	2.93E-04	1.38E-05	9.50E-06	3.61E-04	4.10E-05	2.96E-10	1.84E-07	2.59E-07	4.15E-05	5.22E-05	2.93E-04	1.38E-05	9.50E-06	3.68E-04
3023	479203.24	3850293.52	0.01241	0.0098	0.0022	0.00302	4.63E-05	2.92E-04	1.38E-05	9.54E-06	3.62E-04	4.21E-05	2.96E-10	1.84E-07	2.60E-07	4.26E-05	5.36E-05	2.92E-04	1.38E-05	9.54E-06	3.69E-04
3024	479253.24	3850293.52	0.01274	0.00977	0.0022	0.00302	4.75E-05	2.91E-04	1.38E-05	9.54E-06	3.62E-04	4.33E-05	2.95E-10	1.84E-07	2.60E-07	4.37E-05	5.50E-05	2.91E-04	1.38E-05	9.54E-06	3.70E-04
3025	479303.24	3850293.52	0.01308	0.00967	0.0022	0.00303	4.88E-05	2.88E-04	1.37E-05	9.57E-06	3.61E-04	4.44E-05	2.92E-10	1.83E-07	2.61E-07	4.49E-05	5.64E-05	2.88E-04	1.37E-05	9.57E-06	3.68E-04
3026	479353.24	3850293.52	0.01344	0.00953	0.0022	0.00304	5.02E-05	2.84E-04	1.37E-05	9.60E-06	3.58E-04	4.56E-05	2.88E-10	1.83E-07	2.62E-07	4.61E-05	5.80E-05	2.84E-04	1.37E-05	9.60E-06	3.66E-04
3027	479153.24	3850343.52	0.01206	0.01006	0.0022	0.00302	4.50E-05	3.00E-04	1.39E-05	9.54E-06	3.69E-04	4.09E-05	3.04E-10	1.85E-07	2.60E-07	4.14E-05	5.20E-05	3.00E-04	1.39E-05	9.54E-06	3.76E-04
3028	479203.24	3850343.52	0.01254	0.01004	0.0022	0.00302	4.68E-05	3.00E-04	1.38E-05	9.54E-06	3.70E-04	4.26E-05	3.03E-10	1.85E-07	2.60E-07	4.30E-05	5.41E-05	3.00E-04	1.38E-05	9.54E-06	3.77E-04
3029	479253.24	3850343.52	0.0126	0.00997	0.0022	0.00303	4.70E-05	2.97E-04	1.38E-05	9.57E-06	3.68E-04	4.28E-05	3.01E-10	1.85E-07	2.61E-07	4.32E-05	5.44E-05	2.97E-04	1.38E-05	9.57E-06	3.75E-04
3030	479303.24	3850343.52	0.0129	0.00986	0.0022	0.00304	4.81E-05	2.94E-04	1.38E-05	9.60E-06	3.66E-04	4.38E-05	2.98E-10	1.85E-07	2.62E-07	4.42E-05	5.57E-05	2.94E-04	1.38E-05	9.60E-06	3.73E-04
3031	479353.24	3850343.52	0.01323	0.00974	0.0022	0.00306	4.94E-05	2.91E-04	1.38E-05	9.66E-06	3.63E-04	4.49E-05	2.94E-10	1.84E-07	2.63E-07	4.54E-05	5.71E-05	2.91E-04	1.38E-05	9.66E-06	3.71E-04
3032	479203.24	3850393.52	0.01245	0.01025	0.0022	0.00303	4.65E-05	3.06E-04	1.40E-05	9.57E-06	3.76E-04	4.23E-05	3.10E-10	1.86E-07	2.61E-07	4.27E-05	5.37E-05	3.06E-04	1.40E-05	9.57E-06	3.83E-04
3033	479253.24	3850393.52	0.01269	0.01018	0.0022	0.00304	4.74E-05	3.04E-04	1.40E-05	9.60E-06	3.75E-04	4.31E-05	3.07E-10	1.86E-07	2.62E-07	4.35E-05	5.48E-05	3.04E-04	1.40E-05	9.60E-06	3.82E-04
3034	479303.24	3850393.52	0.01297	0.01008	0.0022	0.00305	4.84E-05	3.01E-04	1.39E-05	9.63E-06	3.73E-04	4.40E-05	3.04E-10	1.85E-07	2.63E-07	4.45E-05	5.60E-05	3.01E-04	1.39E-05	9.63E-06	3.80E-04
3035	479353.24	3850393.52	0.01306	0.00997	0.0022	0.00307	4.87E-05	2.97E-04	1.39E-05	9.69E-06	3.70E-04	4.43E-05	3.01E-10	1.85E-07	2.64E-07	4.48E-05	5.64E-05	2.97E-04	1.39E-05	9.69E-06	3.77E-04
3036	479403.24	3850393.52	0.01339	0.00984	0.0022	0.00308	5.00E-05	2.94E-04	1.39E-05	9.72E-06	3.67E-04	4.55E-05	2.97E-10	1.85E-07	2.65E-07	4.59E-05	5.78E-05	2.94E-04	1.39E-05	9.72E-06	3.75E-04
3037	479453.24	3850393.52	0.01374	0.00967	0.0022	0.00309	5.13E-05	2.88E-04	1.38E-05	9.76E-06	3.63E-04	4.66E-05	2.92E-10	1.85E-07	2.66E-07	4.71E-05	5.93E-05	2.88E-04	1.38E-05	9.76E-06	3.71E-04
3038	479503.24	3850393.52	0.01413	0.00947	0.0022	0.0031	5.27E-05	2.83E-04	1.38E-05	9.79E-06	3.59E-04	4.80E-05	2.86E-10	1.85E-07	2.67E-07	4.84E-05	6.10E-05	2.83E-04	1.38E-05	9.79E-06	3.67E-04
3039	479303.24	3850443.52	0.01285	0.01027	0.0022	0.00307	4.79E-05	3.06E-04	1.40E-05	9.69E-06	3.78E-04	4.36E-05	3.10E-10	1.87E-07	2.64E-07	4.41E-05	5.54E-05	3.06E-04	1.40E-05	9.69E-06	3.86E-04
3040	479353.24	3850443.52	0.0129	0.01014	0.0022	0.00308	4.81E-05	3.03E-04	1.40E-05	9.72E-06	3.74E-04	4.38E-05	3.06E-10	1.87E-07	2.65E-07	4.42E-05	5.57E-05	3.03E-04	1.40E-05	9.72E-06	3.82E-04
3041	479403.24	3850443.52	0.01318	0.00999	0.0022	0.00309	4.92E-05	2.98E-04	1.40E-05	9.76E-06	3.71E-04	4.47E-05	3.02E-10	1.86E-07	2.66E-07	4.52E-05	5.69E-05	2.98E-04	1.40E-05	9.76E-06	3.79E-04
3042	479453.24	3850443.52	0.0135	0.00983	0.0022	0.00311	5.04E-05	2.93E-04	1.40E-05	9.82E-06	3.67E-04	4.58E-05	2.97E-10	1.86E-07	2.68E-07	4.63E-05	5.83E-05	2.93E-04	1.40E-05	9.82E-06	3.75E-04
3043	479503.24	3850443.52	0.01386	0.00964	0.0022	0.00312	5.17E-05	2.88E-04	1.40E-05	9.85E-06	3.63E-04	4.71E-05	2.91E-10	1.86E-07	2.69E-07	4.75E-05	5.98E-05	2.88E-04	1.40E-05	9.85E-06	3.71E-04
3044	480327.18	3850987.04	0.01923	0.0112	0.0023	0.00341	7.18E-05	3.34E-04	1.49E-05	1.08E-05	4.32E-04	6.53E-05	3.38E-10	1.98E-07	2.94E-07	6.58E-05	8.30E-05	3.34E-04	1.49E-05	1.08E-05	4.43E-04
3045	480377.18	3850987.04	0.0198	0.01109	0.0023	0.00342	7.39E-05	3.31E-04	1.48E-05	1.08E-05	4.30E-04	6.72E-05	3.35E-10	1.97E-07	2.94E-07	6.77E-05	8.54E-05	3.31E-04	1.48E-05	1.08E-05	4.42E-04
3046	480427.18	3850987.04	0.02034	0.01095	0.0023	0.00344	7.59E-05	3.27E-04	1.48E-05	1.09E-05	4.28E-04	6.91E-05	3.31E-10	1.97E-07	2.96E-07	6.95E-05	8.78E-05	3.27E-04	1.48E-05	1.09E-05	4.40E-04

3047	480477.18	3850987.04	0.02086	0.01079	0.0023	0.00346	7.78E-05	3.22E-04	1.48E-05	1.09E-05	4.25E-04	7.08E-05	3.26E-10	1.97E-07	2.98E-07	7.13E-05	9.00E-05	3.22E-04	1.48E-05	1.09E-05	4.38E-04
3048	480327.18	3851037.04	0.01893	0.01147	0.0024	0.00342	7.06E-05	3.42E-04	1.50E-05	1.08E-05	4.39E-04	6.43E-05	3.46E-10	2.00E-07	2.94E-07	6.48E-05	8.17E-05	3.42E-04	1.50E-05	1.08E-05	4.50E-04
3049	480377.18	3851037.04	0.01951	0.01134	0.0023	0.00344	7.28E-05	3.38E-04	1.49E-05	1.09E-05	4.37E-04	6.62E-05	3.42E-10	1.99E-07	2.96E-07	6.67E-05	8.42E-05	3.38E-04	1.49E-05	1.09E-05	4.48E-04
3050	480427.18	3851037.04	0.02009	0.01121	0.0023	0.00346	7.50E-05	3.34E-04	1.49E-05	1.09E-05	4.35E-04	6.82E-05	3.39E-10	1.99E-07	2.98E-07	6.87E-05	8.67E-05	3.34E-04	1.49E-05	1.09E-05	4.47E-04
3051	480477.18	3851037.04	0.02065	0.0111	0.0023	0.00347	7.71E-05	3.31E-04	1.49E-05	1.10E-05	4.34E-04	7.01E-05	3.35E-10	1.98E-07	2.99E-07	7.06E-05	8.91E-05	3.31E-04	1.49E-05	1.10E-05	4.46E-04
3052	480622.06	3851087.39	0.02198	0.01113	0.0024	0.00354	8.20E-05	3.32E-04	1.50E-05	1.12E-05	4.40E-04	7.46E-05	3.36E-10	2.00E-07	3.05E-07	7.51E-05	9.48E-05	3.32E-04	1.50E-05	1.12E-05	4.53E-04
3053	480672.06	3851087.39	0.02246	0.01106	0.0023	0.00356	8.38E-05	3.30E-04	1.49E-05	1.12E-05	4.40E-04	7.63E-05	3.34E-10	1.99E-07	3.07E-07	7.68E-05	9.69E-05	3.30E-04	1.49E-05	1.12E-05	4.53E-04
3054	480622.06	3851137.39	0.02179	0.01145	0.0024	0.00355	8.13E-05	3.42E-04	1.51E-05	1.12E-05	4.49E-04	7.40E-05	3.46E-10	2.01E-07	3.06E-07	7.45E-05	9.40E-05	3.42E-04	1.51E-05	1.12E-05	4.62E-04
3055	480672.06	3851137.39	0.02233	0.01137	0.0024	0.00357	8.33E-05	3.39E-04	1.51E-05	1.13E-05	4.49E-04	7.58E-05	3.43E-10	2.01E-07	3.07E-07	7.63E-05	9.64E-05	3.39E-04	1.51E-05	1.13E-05	4.62E-04
3056	480722.06	3851137.39	0.02282	0.01131	0.0024	0.00359	8.52E-05	3.37E-04	1.51E-05	1.13E-05	4.49E-04	7.75E-05	3.42E-10	2.01E-07	3.09E-07	7.80E-05	9.85E-05	3.37E-04	1.51E-05	1.13E-05	4.62E-04
3057	480622.06	3851187.39	0.02155	0.01176	0.0024	0.00356	8.04E-05	3.51E-04	1.52E-05	1.12E-05	4.58E-04	7.32E-05	3.55E-10	2.02E-07	3.07E-07	7.37E-05	9.30E-05	3.51E-04	1.52E-05	1.12E-05	4.70E-04
3058	480672.06	3851187.39	0.02213	0.01169	0.0024	0.00358	8.26E-05	3.49E-04	1.52E-05	1.13E-05	4.58E-04	7.51E-05	3.53E-10	2.02E-07	3.08E-07	7.56E-05	9.55E-05	3.49E-04	1.52E-05	1.13E-05	4.71E-04
3059	480722.06	3851187.39	0.02268	0.01164	0.0024	0.0036	8.46E-05	3.47E-04	1.52E-05	1.14E-05	4.58E-04	7.70E-05	3.52E-10	2.02E-07	3.10E-07	7.75E-05	9.79E-05	3.47E-04	1.52E-05	1.14E-05	4.72E-04
3060	471363.09	3845877.25	0.00353	0.00195	0.0013	0.00181	1.32E-05	5.82E-05	8.16E-06	5.71E-06	8.52E-05	1.20E-05	5.89E-11	1.09E-07	1.56E-07	1.22E-05	1.52E-05	5.82E-05	8.16E-06	5.71E-06	8.73E-05
3061	471863.09	3845877.25	0.00337	0.00187	0.0013	0.0018	1.26E-05	5.58E-05	8.36E-06	5.68E-06	8.24E-05	1.14E-05	5.65E-11	1.11E-07	1.55E-07	1.17E-05	1.45E-05	5.58E-05	8.36E-06	5.68E-06	8.44E-05
3062	472363.09	3845877.25	0.00362	0.00207	0.0014	0.00179	1.35E-05	6.18E-05	8.87E-06	5.65E-06	8.98E-05	1.23E-05	6.25E-11	1.18E-07	1.54E-07	1.26E-05	1.56E-05	6.18E-05	8.87E-06	5.65E-06	9.19E-05
3063	472863.09	3845877.25	0.00311	0.00191	0.0014	0.00175	1.16E-05	5.70E-05	8.87E-06	5.53E-06	8.30E-05	1.06E-05	5.77E-11	1.18E-07	1.51E-07	1.08E-05	1.34E-05	5.70E-05	8.87E-06	5.53E-06	8.48E-05
3064	473363.09	3845877.25	0.00293	0.00216	0.0014	0.00173	1.09E-05	6.44E-05	8.99E-06	5.46E-06	8.98E-05	9.95E-06	6.52E-11	1.20E-07	1.49E-07	1.02E-05	1.26E-05	6.44E-05	8.99E-06	5.46E-06	9.15E-05
3065	473863.09	3845877.25	0.00311	0.0024	0.0014	0.00172	1.16E-05	7.16E-05	8.99E-06	5.43E-06	9.76E-05	1.06E-05	7.25E-11	1.20E-07	1.48E-07	1.08E-05	1.34E-05	7.16E-05	8.99E-06	5.43E-06	9.94E-05
3066	474363.09	3845877.25	0.00356	0.00274	0.0014	0.00174	1.33E-05	8.17E-05	8.93E-06	5.49E-06	1.09E-04	1.21E-05	8.27E-11	1.19E-07	1.50E-07	1.24E-05	1.54E-05	8.17E-05	8.93E-06	5.49E-06	1.12E-04
3067	474863.09	3845877.25	0.00431	0.00292	0.0014	0.0018	1.61E-05	8.71E-05	8.87E-06	5.68E-06	1.18E-04	1.46E-05	8.82E-11	1.18E-07	1.55E-07	1.49E-05	1.86E-05	8.71E-05	8.87E-06	5.68E-06	1.20E-04
3068	475363.09	3845877.25	0.00608	0.00297	0.0014	0.0019	2.27E-05	8.86E-05	8.80E-06	6.00E-06	1.26E-04	2.06E-05	8.97E-11	1.17E-07	1.64E-07	2.09E-05	2.62E-05	8.86E-05	8.80E-06	6.00E-06	1.30E-04
3069	475863.09	3845877.25	0.00633	0.00284	0.0014	0.00193	2.36E-05	8.47E-05	8.87E-06	6.09E-06	1.23E-04	2.15E-05	8.58E-11	1.18E-07	1.66E-07	2.18E-05	2.73E-05	8.47E-05	8.87E-06	6.09E-06	1.27E-04
3070	476363.09	3845877.25	0.00584	0.00252	0.0014	0.00191	2.18E-05	7.52E-05	9.19E-06	6.03E-06	1.12E-04	1.98E-05	7.61E-11	1.22E-07	1.64E-07	2.01E-05	2.52E-05	7.52E-05	9.19E-06	6.03E-06	1.16E-04
3071	476863.09	3845877.25	0.00555	0.00223	0.0016	0.00189	2.07E-05	6.65E-05	1.01E-05	5.97E-06	1.03E-04	1.88E-05	6.73E-11	1.35E-07	1.63E-07	1.91E-05	2.39E-05	6.65E-05	1.01E-05	5.97E-06	1.07E-04
3072	477363.09	3845877.25	0.00404	0.00215	0.0018	0.0019	1.51E-05	6.41E-05	1.16E-05	6.00E-06	9.68E-05	1.37E-05	6.49E-11	1.55E-07	1.64E-07	1.40E-05	1.74E-05	6.41E-05	1.16E-05	6.00E-06	9.92E-05
3073	477863.09	3845877.25	0.00349	0.00201	0.0019	0.0019	1.30E-05	6.00E-05	1.22E-05	6.00E-06	9.12E-05	1.18E-05	6.07E-11	1.62E-07	1.64E-07	1.22E-05	1.51E-05	6.00E-05	1.22E-05	6.00E-06	9.32E-05
3074	478363.09	3845877.25	0.00376	0.00193	0.0019	0.00191	1.40E-05	5.76E-05	1.18E-05	6.03E-06	8.94E-05	1.28E-05	5.83E-11	1.57E-07	1.64E-07	1.31E-05	1.62E-05	5.76E-05	1.18E-05	6.03E-06	9.16E-05
3075	478863.09	3845877.25	0.00327	0.00179	0.0017	0.00193	1.22E-05	5.34E-05	1.10E-05	6.09E-06	8.27E-05	1.11E-05	5.41E-11	1.47E-07	1.66E-07	1.14E-05	1.41E-05	5.34E-05	1.10E-05	6.09E-06	8.46E-05
3076	479363.09	3845877.25	0.00311	0.00176	0.0017	0.00198	1.16E-05	5.25E-05	1.07E-05	6.25E-06	8.10E-05	1.06E-05	5.31E-11	1.42E-07	1.70E-07	1.09E-05	1.34E-05	5.25E-05	1.07E-05	6.25E-06	8.28E-05
3077	479863.09	3845877.25	0.00315	0.00172	0.0017	0.00204	1.18E-05	5.13E-05	1.05E-05	6.44E-06	8.00E-05	1.07E-05	5.19E-11	1.40E-07	1.76E-07	1.10E-05	1.36E-05	5.13E-05	1.05E-05	6.44E-06	8.19E-05
3078	480363.09	3845877.25	0.00276	0.00162	0.0016	0.00212	1.03E-05	4.83E-05	1.03E-05	6.69E-06	7.57E-05	9.37E-06	4.89E-11	1.38E-07	1.83E-07	9.69E-06	1.19E-05	4.83E-05	1.03E-05	6.69E-06	7.73E-05
3079	480863.09	3845877.25	0.0024	0.00149	0.0016	0.00218	8.96E-06	4.45E-05	1.05E-05	6.88E-06	7.08E-05	8.15E-06	4.50E-11	1.39E-07	1.88E-07	8.48E-06	1.04E-05	4.45E-05	1.05E-05	6.88E-06	7.22E-05
3080	481363.09	3845877.25	0.00209	0.00141	0.0017	0.00218	7.80E-06	4.21E-05	1.10E-05	6.88E-06	6.77E-05	7.10E-06	4.26E-11	1.46E-07	1.88E-07	7.43E-06	9.02E-06	4.21E-05	1.10E-05	6.88E-06	6.89E-05
3081	481863.09	3845877.25	0.00194	0.00134	0.0018	0.00214	7.24E-06	4.00E-05	1.17E-05	6.76E-06	6.57E-05	6.59E-06	4.05E-11	1.56E-07	1.84E-07	6.93E-06	8.37E-06	4.00E-05	1.17E-05	6.76E-06	6.68E-05
3082	482363.09	3845877.25	0.00185	0.00127	0.002	0.0021	6.90E-06	3.79E-05	1.24E-05	6.63E-06	6.39E-05	6.28E-06	3.84E-11	1.66E-07	1.81E-07	6.63E-06	7.98E-06	3.79E-05	1.24E-05	6.63E-06	6.49E-05
3083	482863.09	3845877.25	0.00149	0.00114	0.002	0.00207	5.56E-06	3.40E-05	1.30E-05	6.54E-06	5.91E-05	5.06E-06	3.44E-11	1.73E-07	1.78E-07	5.41E-06	6.43E-06	3.40E-05	1.30E-05	6.54E-06	6.00E-05
3084	483363.09	3845877.25	0.00136	0.00105	0.0022	0.00202	5.07E-06	3.13E-05	1.39E-05	6.38E-06	5.67E-05	4.62E-06	3.17E-11	1.85E-07	1.74E-07	4.98E-06	5.87E-06	3.13E-05	1.39E-05	6.38E-06	5.75E-05
3085	483863.09	3845877.25	0.00156	0.00113	0.0024	0.00211	5.82E-06	3.37E-05	1.54E-05	6.66E-06	6.16E-05	5.30E-06	3.41E-11	2.06E-07	1.82E-07	5.68E-06	6.73E-06	3.37E-05	1.54E-05	6.66E-06	6.25E-05
3086	484363.09	3845877.25	0.00152	0.00111	0.0026	0.00212	5.67E-06	3.31E-05	1.65E-05	6.69E-06	6.19E-05	5.16E-06	3.35E-11	2.19E-07	1.83E-07	5.56E-06	6.56E-06	3.31E-05	1.65E-05	6.69E-06	6.28E-05
3087	484863.09	3845877.25	0.00148	0.00108	0.0025	0.00209	5.52E-06	3.22E-05	1.59E-05	6.60E-06	6.02E-05	5.02E-06	3.26E-11	2.12E-07	1.80E-07	5.42E-06	6.39E-06	3.22E-05	1.59E-05	6.60E-06	6.11E-05
3088	485363.09	3845877.25	0.0014	0.00104	0.0023	0.00205	5.22E-06	3.10E-05	1.45E-05	6.47E-06	5.72E-05	4.75E-06	3.14E-11	1.93E-07	1.77E-07	5.12E-06	6.04E-06	3.10E-05	1.45E-05	6.47E-06	5.80E-05
3089	485863.09	3845877.25	0.00133	0.00103	0.002	0.00203	4.96E-06	3.07E-05	1.28E-05	6.41E-06	5.49E-05	4.52E-06	3.11E-11	1.70E-07	1.75E-07	4.86E-06	5.74E-06	3.07E-05	1.28E-05	6.41E-06	5.56E-05
3090	486363.09	3845877.25	0.00129	0.00103	0.0018	0.002	4.81E-06	3.07E-05	1.15E-05	6.31E-06	5.34E-05	4.38E-06	3.11E-11	1.54E-07	1.72E-07	4.71E-06	5.57E-06	3.07E-05	1.15E-05	6.31E-06	5.42E-05
3091	486863.09	3845877.25	0.00118	0.00099	0.0016	0.00197	4.40E-06	2.95E-05	1.05E-05	6.22E-06	5.06E-05	4.01E-06	2.99E-11	1.39E-07	1.70E-07	4.32E-06	5.09E-06	2.95E-05	1.05E-05	6.22E-06	5.13E-05
3092	487363.09	3845877.25	0.00115	0.00095	0.0015	0.00197	4.29E-06	2.83E-05	9.70E-06	6.22E-06	4.85E-05	3.90E-06	2.87E-11	1.29E-07	1.70E-07	4.20E-06	4.96E-06	2.83E-05	9.70E-06	6.22E-06	4.92E-05
3093	487863.09	3845877.25	0.0011	0.0009	0.0015	0.00196	4.10E-06	2.69E-05	9.50E-06	6.19E-06	4.66E-05	3.73E-06	2.72E-11	1.27E-07	1.69E-07	4.03E-06	4.75E-06	2.69E-05	9.50E-06	6.19E-06	4.73E-05
3094	488363.09	3845877.25	0.00108	0.00089	0.0015	0.00196	4.03E-06	2.66E-05	9.63E-06	6.19E-06	4.64E-05	3.67E-06	2.69E-11	1.28E-07	1.69E-07	3.96E-06	4.66E-06	2.66E-05	9.63E-06	6.19E-06	4.70E-05
3095	488863.09	3845877.25	0.00117	0.00094	0.0019	0.00204	4.37E-06	2.80E-05	1.21E-05	6.44E-06	5.10E-05	3.97E-06	2.84E-11	1.62E-07	1.76E-07	4.31E-06	5.05E-06	2.80E-05	1.21E-05	6.44E-06	5.17E-05
3096	489363.09	3845877.25	0.00117	0.00092	0.002	0.00205	4.37E-06	2.74E-05	1.27E-05	6.47E-06	5.10E-05	3.97E-06	2.78E-11	1.69E-07	1.77E-07	4.32E-06	5.05E-06	2.74E-05	1.27E-05	6.47E-06	5.17E-05
3097	489863.09	3845877.25	0.00115	0.00091	0.002	0.00204	4.29E-06	2.71E-05	1.30E-05	6.44E-06	5.09E-05	3.90E-06	2.75E-11	1.73E-07	1.76E-07	4.25E-06	4.96E-06	2.71E-05	1.30E-05	6.44E-06	5.16E-05
3098	490363.09	3845877.25	0.00109	0.0009	0.0018	0.00201	4.07E-06	2.69E-05	1.15E-05	6.35E-06	4.87E-05	3.70E-06	2.72E-11	1.53E-07	1.73E-07	4.03E-06	4.70E-06	2.69E-05	1.15E-05	6.35E-06	4.94E-05
3099	490863.09	3845877.25	0.00101	0.00085	0.0016	0.00193	3.77E-06	2.54E-05	1.04E-05	6.09E-06	4.56E-05	3.43E-06	2.57E-11	1.39E-07	1.66E-07	3.73E-06	4.36E-06	2.54E-05	1.04E-05	6.09E-06	4.62E-05
3100	491363.09	3845877.25	0.00107	0.0009	0.0017	0.00203	3.99E-06	2.69E-05	1.09E-05	6.41E-06	4.82E-05	3.63E-06	2.72E-11	1.45E-07	1.75E-07	3.95E-06	4.62E-06	2.69E-05	1.09E-05	6.41E-06	4.88E-05
3101	491863.09	3845877.25	0.00114	0.00094	0.0018	0.00211	4.25E-06	2.80E-05	1.15E-05	6.66E-06	5.05E-05	3.87E-06	2.84E-11	1.54E-07	1.82E-07	4.21E-06	4.92E-06	2.80E-05	1.15E-05	6.66E-06	5.12E-05
3102	492363.09	3845877.25	0.00114	0.00092	0.0017	0.0021	4.25E-06	2.74E-05	1.10E-05	6.63E-06	4.94E-05	3.87E-06	2.78E-11	1.47E-07	1.81E-07	4.20E-06	4.92E-06	2.74E-05	1.10E-05	6.63E-06	5.00E-05
3103	492863.09	3845877.25	0.0013	0.00102	0.0019	0.00227	4.85E-06	3.04E-05	1.19E-05	7.17E-06	5.44E-05	4.41E-06	3.08E-11	1.59E-07	1.95E-07	4.77E-06	5.61E-06	3.04E-05	1.19E-05	7.17E-06	5.51E-05
3104	493363.09	3845877.25	0.00138	0.00106	0.0019	0.00236	5.15E-06	3.16E-05	1.19E-05	7.45E-06	5.62E-05	4.69E-06	3.20E-11	1.59E-07	2.03E-07	5.05E-06	5.95E-06	3.16E-05	1.19E-05	7.45E-06	5.70E-05
3105	493863.09	3845877.25	0.00148	0.0011	0.0018	0.00245	5.52E-06	3.28E-05	1.16E-05	7.74E-06	5.77E-05	5.02E-06	3.32E-11	1.55E-07	2.11E-07	5.39E-06	6.39E-06	3.28E-05	1.16E-05	7.74E-06	5.85E-05
3106	494363.09	3845877.25	0.0016	0.00113	0.0018	0.00252	5.97E-06	3.37E-05	1.13E-05	7.96E-06	5.89E-05	5.43E-06	3.41E-11	1.51E-07	2.17E-07	5.80E-06	6.90E-06	3.37E-05	1.13E-05	7.96E-06	5.99E-05
3107	494863.09	3845877.25	0.00166	0.00115	0.0018	0.00257	6.19E-06	3.43E-05	1.14E-05	8.11E-06	6.00E-05	5.64E-06	3.47E-11	1.52E-07	2.21E-07	6.01E-06	7.16E-06	3.43E-05	1.14E-05	8.11E-06	6.10E-05

3108	495363.09	3845877.25	0.00177	0.00122	0.0019	0.00264	6.60E-06	3.64E-05	1.19E-05	8.34E-06	6.32E-05	6.01E-06	3.68E-11	1.58E-07	2.27E-07	6.39E-06	7.64E-06	3.64E-05	1.19E-05	8.34E-06	6.42E-05
3109	495863.09	3845877.25	0.00187	0.00129	0.0019	0.0027	6.98E-06	3.85E-05	1.21E-05	8.52E-06	6.60E-05	6.35E-06	3.90E-11	1.61E-07	2.32E-07	6.74E-06	8.07E-06	3.85E-05	1.21E-05	8.52E-06	6.71E-05
3110	496363.09	3845877.25	0.00195	0.00136	0.002	0.00278	7.28E-06	4.06E-05	1.25E-05	8.78E-06	6.91E-05	6.62E-06	4.11E-11	1.67E-07	2.39E-07	7.03E-06	8.41E-06	4.06E-05	1.25E-05	8.78E-06	7.03E-05
3111	496863.09	3845877.25	0.00201	0.00143	0.0021	0.00284	7.50E-06	4.27E-05	1.35E-05	8.97E-06	7.27E-05	6.82E-06	4.32E-11	1.80E-07	2.45E-07	7.25E-06	8.67E-06	4.27E-05	1.35E-05	8.97E-06	7.38E-05
3112	497363.09	3845877.25	0.00211	0.00149	0.0023	0.00292	7.87E-06	4.45E-05	1.49E-05	9.22E-06	7.65E-05	7.16E-06	4.50E-11	1.99E-07	2.51E-07	7.61E-06	9.10E-06	4.45E-05	1.49E-05	9.22E-06	7.77E-05
3113	497863.09	3845877.25	0.00224	0.00156	0.0026	0.00301	8.36E-06	4.65E-05	1.65E-05	9.50E-06	8.09E-05	7.60E-06	4.71E-11	2.19E-07	2.59E-07	8.08E-06	9.67E-06	4.65E-05	1.65E-05	9.50E-06	8.22E-05
3114	498363.09	3845877.25	0.00236	0.00164	0.0028	0.00311	8.81E-06	4.89E-05	1.79E-05	9.82E-06	8.55E-05	8.01E-06	4.95E-11	2.39E-07	2.68E-07	8.52E-06	1.02E-05	4.89E-05	1.79E-05	9.82E-06	8.69E-05
3115	471363.09	3846377.25	0.00499	0.00319	0.0014	0.00194	1.86E-05	9.52E-05	8.99E-06	6.13E-06	1.29E-04	1.69E-05	9.63E-11	1.20E-07	1.67E-07	1.72E-05	2.15E-05	9.52E-05	8.99E-06	6.13E-06	1.32E-04
3116	471863.09	3846377.25	0.00474	0.00272	0.0014	0.00193	1.77E-05	8.11E-05	8.99E-06	6.09E-06	1.14E-04	1.61E-05	8.21E-11	1.20E-07	1.66E-07	1.64E-05	2.05E-05	8.11E-05	8.99E-06	6.09E-06	1.17E-04
3117	472363.09	3846377.25	0.00366	0.00198	0.0014	0.00188	1.37E-05	5.91E-05	8.61E-06	5.94E-06	8.73E-05	1.24E-05	5.98E-11	1.15E-07	1.62E-07	1.27E-05	1.58E-05	5.91E-05	8.61E-06	5.94E-06	8.94E-05
3118	472863.09	3846377.25	0.00366	0.00205	0.0014	0.00186	1.37E-05	6.12E-05	8.99E-06	5.87E-06	8.97E-05	1.24E-05	6.19E-11	1.20E-07	1.60E-07	1.27E-05	1.58E-05	6.12E-05	8.99E-06	5.87E-06	9.18E-05
3119	473363.09	3846377.25	0.00365	0.00218	0.0015	0.00184	1.36E-05	6.50E-05	9.25E-06	5.81E-06	9.37E-05	1.24E-05	6.58E-11	1.23E-07	1.58E-07	1.27E-05	1.58E-05	6.50E-05	9.25E-06	5.81E-06	9.58E-05
3120	473863.09	3846377.25	0.00354	0.00259	0.0015	0.00182	1.32E-05	7.73E-05	9.50E-06	5.75E-06	1.06E-04	1.20E-05	7.82E-11	1.27E-07	1.57E-07	1.23E-05	1.53E-05	7.73E-05	9.50E-06	5.75E-06	1.08E-04
3121	474363.09	3846377.25	0.00366	0.00295	0.0015	0.00181	1.37E-05	8.80E-05	9.50E-06	5.71E-06	1.17E-04	1.24E-05	8.91E-11	1.27E-07	1.56E-07	1.27E-05	1.58E-05	8.80E-05	9.50E-06	5.71E-06	1.19E-04
3122	474863.09	3846377.25	0.00417	0.00327	0.0015	0.00184	1.56E-05	9.76E-05	9.50E-06	5.81E-06	1.28E-04	1.42E-05	9.87E-11	1.27E-07	1.58E-07	1.44E-05	1.80E-05	9.76E-05	9.50E-06	5.81E-06	1.31E-04
3123	475363.09	3846377.25	0.00497	0.00334	0.0015	0.00193	1.85E-05	9.96E-05	9.31E-06	6.09E-06	1.34E-04	1.69E-05	1.01E-10	1.24E-07	1.66E-07	1.72E-05	2.14E-05	9.96E-05	9.31E-06	6.09E-06	1.36E-04
3124	475863.09	3846377.25	0.00692	0.00335	0.0015	0.00203	2.58E-05	9.99E-05	9.25E-06	6.41E-06	1.41E-04	2.35E-05	1.01E-10	1.23E-07	1.75E-07	2.38E-05	2.99E-05	9.99E-05	9.25E-06	6.41E-06	1.45E-04
3125	476363.09	3846377.25	0.00694	0.00305	0.0015	0.00203	2.59E-05	9.10E-05	9.25E-06	6.41E-06	1.33E-04	2.36E-05	9.21E-11	1.23E-07	1.75E-07	2.39E-05	2.99E-05	9.10E-05	9.25E-06	6.41E-06	1.37E-04
3126	476863.09	3846377.25	0.00647	0.00265	0.0015	0.002	2.41E-05	7.91E-05	9.70E-06	6.31E-06	1.19E-04	2.20E-05	8.00E-11	1.29E-07	1.72E-07	2.23E-05	2.79E-05	7.91E-05	9.70E-06	6.31E-06	1.23E-04
3127	477363.09	3846377.25	0.006	0.00243	0.0017	0.002	2.24E-05	7.25E-05	1.09E-05	6.31E-06	1.12E-04	2.04E-05	7.34E-11	1.45E-07	1.72E-07	2.07E-05	2.59E-05	7.25E-05	1.09E-05	6.31E-06	1.16E-04
3128	477863.09	3846377.25	0.0042	0.00229	0.002	0.00201	1.57E-05	6.83E-05	1.24E-05	6.35E-06	1.03E-04	1.43E-05	6.92E-11	1.66E-07	1.73E-07	1.46E-05	1.81E-05	6.83E-05	1.24E-05	6.35E-06	1.05E-04
3129	478363.09	3846377.25	0.00399	0.00217	0.0021	0.00203	1.49E-05	6.47E-05	1.31E-05	6.41E-06	9.91E-05	1.35E-05	6.55E-11	1.74E-07	1.75E-07	1.39E-05	1.72E-05	6.47E-05	1.31E-05	6.41E-06	1.01E-04
3130	478863.09	3846377.25	0.0042	0.00209	0.002	0.00204	1.57E-05	6.24E-05	1.26E-05	6.44E-06	9.70E-05	1.43E-05	6.31E-11	1.68E-07	1.76E-07	1.46E-05	1.81E-05	6.24E-05	1.26E-05	6.44E-06	9.95E-05
3131	479363.09	3846377.25	0.00367	0.00197	0.0018	0.00206	1.37E-05	5.88E-05	1.15E-05	6.50E-06	9.05E-05	1.25E-05	5.95E-11	1.54E-07	1.77E-07	1.28E-05	1.58E-05	5.88E-05	1.15E-05	6.50E-06	9.27E-05
3132	479863.09	3846377.25	0.0034	0.00186	0.0017	0.00211	1.27E-05	5.55E-05	1.11E-05	6.66E-06	8.59E-05	1.15E-05	5.62E-11	1.48E-07	1.82E-07	1.19E-05	1.47E-05	5.55E-05	1.11E-05	6.66E-06	8.79E-05
3133	480363.09	3846377.25	0.00354	0.00189	0.0017	0.0022	1.32E-05	5.64E-05	1.10E-05	6.95E-06	8.76E-05	1.20E-05	5.71E-11	1.47E-07	1.89E-07	1.24E-05	1.53E-05	5.64E-05	1.10E-05	6.95E-06	8.96E-05
3134	480863.09	3846377.25	0.00288	0.00169	0.0017	0.00226	1.07E-05	5.04E-05	1.08E-05	7.14E-06	7.91E-05	9.78E-06	5.10E-11	1.45E-07	1.95E-07	1.01E-05	1.24E-05	5.04E-05	1.08E-05	7.14E-06	8.08E-05
3135	481363.09	3846377.25	0.00256	0.00158	0.0018	0.0023	9.55E-06	4.71E-05	1.12E-05	7.26E-06	7.52E-05	8.69E-06	4.77E-11	1.50E-07	1.98E-07	9.04E-06	1.10E-05	4.71E-05	1.12E-05	7.26E-06	7.67E-05
3136	481863.09	3846377.25	0.0022	0.0015	0.0019	0.00226	8.21E-06	4.48E-05	1.18E-05	7.14E-06	7.19E-05	7.47E-06	4.53E-11	1.57E-07	1.95E-07	7.82E-06	9.49E-06	4.48E-05	1.18E-05	7.14E-06	7.32E-05
3137	482363.09	3846377.25	0.00207	0.00139	0.002	0.0022	7.72E-06	4.15E-05	1.26E-05	6.95E-06	6.88E-05	7.03E-06	4.20E-11	1.68E-07	1.89E-07	7.39E-06	8.93E-06	4.15E-05	1.26E-05	6.95E-06	7.00E-05
3138	482863.09	3846377.25	0.00175	0.00127	0.0021	0.00217	6.53E-06	3.79E-05	1.33E-05	6.85E-06	6.46E-05	5.94E-06	3.84E-11	1.78E-07	1.87E-07	6.31E-06	7.55E-06	3.79E-05	1.33E-05	6.85E-06	6.56E-05
3139	483363.09	3846377.25	0.0018	0.00127	0.0023	0.00219	6.72E-06	3.79E-05	1.44E-05	6.91E-06	6.59E-05	6.11E-06	3.84E-11	1.92E-07	1.89E-07	6.49E-06	7.77E-06	3.79E-05	1.44E-05	6.91E-06	6.70E-05
3140	483863.09	3846377.25	0.00176	0.00124	0.0025	0.00221	6.57E-06	3.70E-05	1.58E-05	6.98E-06	6.64E-05	5.98E-06	3.74E-11	2.11E-07	1.90E-07	6.38E-06	7.59E-06	3.70E-05	1.58E-05	6.98E-06	6.74E-05
3141	484363.09	3846377.25	0.0016	0.00117	0.0026	0.00221	5.97E-06	3.49E-05	1.67E-05	6.98E-06	6.46E-05	5.43E-06	3.53E-11	2.23E-07	1.90E-07	5.85E-06	6.90E-06	3.49E-05	1.67E-05	6.98E-06	6.55E-05
3142	484863.09	3846377.25	0.00171	0.0012	0.0027	0.00222	6.38E-06	3.58E-05	1.72E-05	7.01E-06	6.64E-05	5.81E-06	3.62E-11	2.30E-07	1.91E-07	6.23E-06	7.38E-06	3.58E-05	1.72E-05	7.01E-06	6.74E-05
3143	485363.09	3846377.25	0.00167	0.00118	0.0025	0.0022	6.23E-06	3.52E-05	1.62E-05	6.95E-06	6.46E-05	5.67E-06	3.56E-11	2.16E-07	1.89E-07	6.08E-06	7.21E-06	3.52E-05	1.62E-05	6.95E-06	6.56E-05
3144	485863.09	3846377.25	0.00149	0.00112	0.0022	0.00215	5.56E-06	3.34E-05	1.38E-05	6.79E-06	5.96E-05	5.06E-06	3.38E-11	1.85E-07	1.85E-07	5.43E-06	6.43E-06	3.34E-05	1.38E-05	6.79E-06	6.05E-05
3145	486363.09	3846377.25	0.00128	0.00105	0.0019	0.00208	4.78E-06	3.13E-05	1.21E-05	6.57E-06	5.47E-05	4.35E-06	3.17E-11	1.61E-07	1.79E-07	4.69E-06	5.52E-06	3.13E-05	1.21E-05	6.57E-06	5.55E-05
3146	486863.09	3846377.25	0.00122	0.00103	0.0017	0.00205	4.55E-06	3.07E-05	1.08E-05	6.47E-06	5.26E-05	4.14E-06	3.11E-11	1.45E-07	1.77E-07	4.46E-06	5.26E-06	3.07E-05	1.08E-05	6.47E-06	5.33E-05
3147	487363.09	3846377.25	0.00123	0.001	0.0016	0.00207	4.59E-06	2.98E-05	1.03E-05	6.54E-06	5.13E-05	4.18E-06	3.02E-11	1.38E-07	1.78E-07	4.49E-06	5.31E-06	2.98E-05	1.03E-05	6.54E-06	5.20E-05
3148	487863.09	3846377.25	0.00132	0.00103	0.0017	0.00213	4.93E-06	3.07E-05	1.07E-05	6.73E-06	5.30E-05	4.48E-06	3.11E-11	1.42E-07	1.83E-07	4.81E-06	5.70E-06	3.07E-05	1.07E-05	6.73E-06	5.38E-05
3149	488363.09	3846377.25	0.00131	0.00102	0.0018	0.00215	4.89E-06	3.04E-05	1.17E-05	6.79E-06	5.38E-05	4.45E-06	3.08E-11	1.56E-07	1.85E-07	4.79E-06	5.65E-06	3.04E-05	1.17E-05	6.79E-06	5.45E-05
3150	488863.09	3846377.25	0.00127	0.00101	0.0021	0.00216	4.74E-06	3.01E-05	1.31E-05	6.82E-06	5.48E-05	4.31E-06	3.05E-11	1.75E-07	1.86E-07	4.67E-06	5.48E-06	3.01E-05	1.31E-05	6.82E-06	5.56E-05
3151	489363.09	3846377.25	0.00128	0.00099	0.0023	0.00217	4.78E-06	2.95E-05	1.44E-05	6.85E-06	5.56E-05	4.35E-06	2.99E-11	1.92E-07	1.87E-07	4.72E-06	5.52E-06	2.95E-05	1.44E-05	6.85E-06	5.63E-05
3152	489863.09	3846377.25	0.00126	0.001	0.0022	0.00217	4.70E-06	2.98E-05	1.37E-05	6.85E-06	5.51E-05	4.28E-06	3.02E-11	1.83E-07	1.87E-07	4.65E-06	5.44E-06	2.98E-05	1.37E-05	6.85E-06	5.58E-05
3153	490363.09	3846377.25	0.00114	0.00094	0.0018	0.0021	4.25E-06	2.80E-05	1.17E-05	6.63E-06	5.06E-05	3.87E-06	2.84E-11	1.56E-07	1.81E-07	4.21E-06	4.92E-06	2.80E-05	1.17E-05	6.63E-06	5.13E-05
3154	490863.09	3846377.25	0.00111	0.00093	0.0018	0.0021	4.14E-06	2.77E-05	1.12E-05	6.63E-06	4.97E-05	3.77E-06	2.81E-11	1.50E-07	1.81E-07	4.10E-06	4.79E-06	2.77E-05	1.12E-05	6.63E-06	5.04E-05
3155	491363.09	3846377.25	0.00113	0.00094	0.0018	0.00214	4.22E-06	2.80E-05	1.13E-05	6.76E-06	5.03E-05	3.84E-06	2.84E-11	1.51E-07	1.84E-07	4.17E-06	4.88E-06	2.80E-05	1.13E-05	6.76E-06	5.10E-05
3156	491863.09	3846377.25	0.00129	0.00103	0.002	0.00228	4.81E-06	3.07E-05	1.24E-05	7.20E-06	5.52E-05	4.38E-06	3.11E-11	1.66E-07	1.96E-07	4.74E-06	5.57E-06	3.07E-05	1.24E-05	7.20E-06	5.59E-05
3157	492363.09	3846377.25	0.00133	0.00105	0.002	0.00234	4.96E-06	3.13E-05	1.24E-05	7.39E-06	5.61E-05	4.52E-06	3.17E-11	1.66E-07	2.01E-07	4.88E-06	5.74E-06	3.13E-05	1.24E-05	7.39E-06	5.69E-05
3158	492863.09	3846377.25	0.00139	0.00108	0.0019	0.00243	5.19E-06	3.22E-05	1.23E-05	7.67E-06	5.74E-05	4.72E-06	3.26E-11	1.64E-07	2.09E-07	5.09E-06	6.00E-06	3.22E-05	1.23E-05	7.67E-06	5.82E-05
3159	493363.09	3846377.25	0.00152	0.00114	0.0019	0.00254	5.67E-06	3.40E-05	1.22E-05	8.02E-06	5.99E-05	5.16E-06	3.44E-11	1.63E-07	2.19E-07	5.54E-06	6.56E-06	3.40E-05	1.22E-05	8.02E-06	6.08E-05
3160	493863.09	3846377.25	0.00164	0.00118	0.0019	0.00263	6.12E-06	3.52E-05	1.19E-05	8.30E-06	6.15E-05	5.57E-06	3.56E-11	1.58E-07	2.26E-07	5.95E-06	7.08E-06	3.52E-05	1.19E-05	8.30E-06	6.24E-05
3161	494363.09	3846377.25	0.00176	0.00121	0.0019	0.0027	6.57E-06	3.61E-05	1.18E-05	8.52E-06	6.30E-05	5.98E-06	3.65E-11	1.57E-07	2.32E-07	6.37E-06	7.59E-06	3.61E-05	1.18E-05	8.52E-06	6.40E-05
3162	494863.09	3846377.25	0.00187	0.00127	0.0019	0.00277	6.98E-06	3.79E-05	1.23E-05	8.75E-06	6.59E-05	6.35E-06	3.84E-11	1.64E-07	2.39E-07	6.75E-06	8.07E-06	3.79E-05	1.23E-05	8.75E-06	6.70E-05
3163	495363.09	3846377.25	0.00196	0.00134	0.002	0.00283	7.31E-06	4.00E-05	1.25E-05	8.94E-06	6.87E-05	6.65E-06	4.05E-11	1.67E-07	2.44E-07	7.06E-06	8.46E-06	4.00E-05	1.25E-05	8.94E-06	6.99E-05
3164	495863.09	3846377.25	0.00206	0.00143	0.002	0.00292	7.69E-06	4.27E-05	1.28E-05	9.22E-06	7.24E-05	6.99E-06	4.32E-11	1.71E-07	2.51E-07	7.42E-06	8.89E-06	4.27E-05	1.28E-05	9.22E-06	7.36E-05
3165	496363.09	3846377.25	0.00216	0.00152	0.0022	0.003	8.06E-06	4.53E-05	1.37E-05	9.47E-06	7.66E-05	7.33E-06	4.59E-11	1.83E-07	2.58E-07	7.77E-06	9.32E-06	4.53E-05	1.37E-05	9.47E-06	7.79E-05
3166	496863.09	3846377.25	0.0023	0.0016	0.0024	0.00309	8.58E-06	4.77E-05	1.52E-05	9.76E-06	8.13E-05	7.81E-06	4.83E-11	2.02E-07	2.66E-07	8.28E-06	9.92E-06	4.77E-05	1.52E-05	9.76E-06	8.26E-05
3167	497363.09	3846377.25	0.00245	0.00169	0.0027	0.00318	9.14E-06	5.04E-05	1.70E-05	1.00E-05	8.66E-05	8.32E-06	5.10E-11	2.27E-07	2.74E-07	8.82E-06	1.06E-05	5.04E-05	1.70E-05	1.00E-05	8.81E-05
3168	497863.09	3846377.25	0.0026	0.00177	0.003	0.00329	9.70E-06	5.28E-05	1.88E-05	1.04E-05	9.17E-05	8.83E-06	5.35E-11	2.51E-07	2.83E-07	9.36E-06	1.12E-05	5.28E-05	1.88E-05	1.04E-05	9.32E-05

3169	498363.09	3846377.25	0.00274	0.00187	0.0032	0.0034	1.02E-05	5.58E-05	2.02E-05	1.07E-05	9.70E-05	9.30E-06	5.65E-11	2.70E-07	2.93E-07	9.86E-06	1.18E-05	5.58E-05	2.02E-05	1.07E-05	9.86E-05
3170	471363.09	3846877.25	0.00562	0.00366	0.0015	0.00199	2.10E-05	1.09E-04	9.31E-06	6.28E-06	1.46E-04	1.91E-05	1.11E-10	1.24E-07	1.71E-07	1.94E-05	2.43E-05	1.09E-04	9.31E-06	6.28E-06	1.49E-04
3171	471863.09	3846877.25	0.00553	0.00354	0.0015	0.00202	2.06E-05	1.06E-04	9.31E-06	6.38E-06	1.42E-04	1.88E-05	1.07E-10	1.24E-07	1.74E-07	1.91E-05	2.39E-05	1.06E-04	9.31E-06	6.38E-06	1.45E-04
3172	472363.09	3846877.25	0.00532	0.00317	0.0015	0.00203	1.99E-05	9.46E-05	9.38E-06	6.41E-06	1.30E-04	1.81E-05	9.57E-11	1.25E-07	1.75E-07	1.84E-05	2.30E-05	9.46E-05	9.38E-06	6.41E-06	1.33E-04
3173	472863.09	3846877.25	0.00393	0.00209	0.0014	0.00196	1.47E-05	6.24E-05	8.87E-06	6.19E-06	9.21E-05	1.33E-05	6.31E-11	1.18E-07	1.69E-07	1.36E-05	1.70E-05	6.24E-05	8.87E-06	6.19E-06	9.44E-05
3174	473363.09	3846877.25	0.00419	0.00228	0.0015	0.00195	1.56E-05	6.80E-05	9.31E-06	6.16E-06	9.91E-05	1.42E-05	6.89E-11	1.24E-07	1.68E-07	1.45E-05	1.81E-05	6.80E-05	9.31E-06	6.16E-06	1.02E-04
3175	473863.09	3846877.25	0.00447	0.00266	0.0015	0.00194	1.67E-05	7.94E-05	9.76E-06	6.13E-06	1.12E-04	1.52E-05	8.03E-11	1.30E-07	1.67E-07	1.55E-05	1.93E-05	7.94E-05	9.76E-06	6.13E-06	1.15E-04
3176	474363.09	3846877.25	0.00416	0.003	0.0016	0.00191	1.55E-05	8.95E-05	9.95E-06	6.03E-06	1.21E-04	1.41E-05	9.06E-11	1.33E-07	1.64E-07	1.44E-05	1.80E-05	8.95E-05	9.95E-06	6.03E-06	1.23E-04
3177	474863.09	3846877.25	0.00408	0.00333	0.0016	0.0019	1.52E-05	9.93E-05	1.00E-05	6.00E-06	1.31E-04	1.39E-05	1.01E-10	1.34E-07	1.64E-07	1.41E-05	1.76E-05	9.93E-05	1.00E-05	6.00E-06	1.33E-04
3178	475363.09	3846877.25	0.00444	0.00341	0.0016	0.00193	1.66E-05	1.02E-04	9.89E-06	6.09E-06	1.34E-04	1.51E-05	1.03E-10	1.32E-07	1.66E-07	1.54E-05	1.92E-05	1.02E-04	9.89E-06	6.09E-06	1.37E-04
3179	475863.09	3846877.25	0.00552	0.00367	0.0015	0.00204	2.06E-05	1.09E-04	9.76E-06	6.44E-06	1.46E-04	1.87E-05	1.11E-10	1.30E-07	1.76E-07	1.90E-05	2.38E-05	1.09E-04	9.76E-06	6.44E-06	1.50E-04
3180	476363.09	3846877.25	0.00755	0.0036	0.0015	0.00214	2.82E-05	1.07E-04	9.70E-06	6.76E-06	1.52E-04	2.56E-05	1.09E-10	1.29E-07	1.84E-07	2.59E-05	3.26E-05	1.07E-04	9.70E-06	6.76E-06	1.56E-04
3181	476863.09	3846877.25	0.00762	0.00328	0.0015	0.00213	2.84E-05	9.79E-05	9.70E-06	6.73E-06	1.43E-04	2.59E-05	9.91E-11	1.29E-07	1.83E-07	2.62E-05	3.29E-05	9.79E-05	9.70E-06	6.73E-06	1.47E-04
3182	477363.09	3846877.25	0.00724	0.00283	0.0016	0.00211	2.70E-05	8.44E-05	1.02E-05	6.66E-06	1.28E-04	2.46E-05	8.55E-11	1.36E-07	1.82E-07	2.49E-05	3.12E-05	8.44E-05	1.02E-05	6.66E-06	1.33E-04
3183	477863.09	3846877.25	0.0063	0.00261	0.0018	0.00212	2.35E-05	7.79E-05	1.17E-05	6.69E-06	1.20E-04	2.14E-05	7.88E-11	1.56E-07	1.83E-07	2.17E-05	2.72E-05	7.79E-05	1.17E-05	6.69E-06	1.23E-04
3184	478363.09	3846877.25	0.0046	0.00252	0.0022	0.00215	1.72E-05	7.52E-05	1.37E-05	6.79E-06	1.13E-04	1.56E-05	7.61E-11	1.83E-07	1.85E-07	1.60E-05	1.98E-05	7.52E-05	1.37E-05	6.79E-06	1.16E-04
3185	478863.09	3846877.25	0.00487	0.00248	0.0023	0.00217	1.82E-05	7.40E-05	1.47E-05	6.85E-06	1.14E-04	1.65E-05	7.49E-11	1.96E-07	1.87E-07	1.69E-05	2.10E-05	7.40E-05	1.47E-05	6.85E-06	1.17E-04
3186	479363.09	3846877.25	0.00457	0.00224	0.0021	0.00216	1.71E-05	6.68E-05	1.32E-05	6.82E-06	1.04E-04	1.55E-05	6.76E-11	1.76E-07	1.86E-07	1.59E-05	1.97E-05	6.68E-05	1.32E-05	6.82E-06	1.07E-04
3187	479863.09	3846877.25	0.00343	0.0019	0.0018	0.00216	1.28E-05	5.67E-05	1.16E-05	6.82E-06	8.79E-05	1.16E-05	5.74E-11	1.55E-07	1.86E-07	1.20E-05	1.48E-05	5.67E-05	1.16E-05	6.82E-06	8.99E-05
3188	480363.09	3846877.25	0.00301	0.00176	0.0018	0.00223	1.12E-05	5.25E-05	1.12E-05	7.04E-06	8.19E-05	1.02E-05	5.31E-11	1.49E-07	1.92E-07	1.06E-05	1.30E-05	5.25E-05	1.12E-05	7.04E-06	8.37E-05
3189	480863.09	3846877.25	0.00284	0.00167	0.0017	0.00231	1.06E-05	4.98E-05	1.10E-05	7.29E-06	7.87E-05	9.64E-06	5.04E-11	1.47E-07	1.99E-07	9.99E-06	1.23E-05	4.98E-05	1.10E-05	7.29E-06	8.04E-05
3190	481363.09	3846877.25	0.00277	0.00166	0.0018	0.00238	1.03E-05	4.95E-05	1.14E-05	7.51E-06	7.87E-05	9.40E-06	5.01E-11	1.51E-07	2.05E-07	9.76E-06	1.20E-05	4.95E-05	1.14E-05	7.51E-06	8.03E-05
3191	481863.09	3846877.25	0.00247	0.00162	0.0019	0.00237	9.22E-06	4.83E-05	1.19E-05	7.48E-06	7.69E-05	8.39E-06	4.89E-11	1.58E-07	2.04E-07	8.75E-06	1.07E-05	4.83E-05	1.19E-05	7.48E-06	7.83E-05
3192	482363.09	3846877.25	0.0022	0.00147	0.002	0.00231	8.21E-06	4.39E-05	1.26E-05	7.29E-06	7.20E-05	7.47E-06	4.44E-11	1.68E-07	1.99E-07	7.84E-06	9.49E-06	4.39E-05	1.26E-05	7.29E-06	7.33E-05
3193	482863.09	3846877.25	0.00216	0.00143	0.0021	0.00228	8.06E-06	4.27E-05	1.37E-05	7.20E-06	7.16E-05	7.33E-06	4.32E-11	1.82E-07	1.96E-07	7.71E-06	9.32E-06	4.27E-05	1.37E-05	7.20E-06	7.28E-05
3194	483363.09	3846877.25	0.0021	0.00139	0.0023	0.00229	7.84E-06	4.15E-05	1.48E-05	7.23E-06	7.13E-05	7.13E-06	4.20E-11	1.97E-07	1.97E-07	7.52E-06	9.06E-06	4.15E-05	1.48E-05	7.23E-06	7.26E-05
3195	483863.09	3846877.25	0.00206	0.00136	0.0025	0.00232	7.69E-06	4.06E-05	1.60E-05	7.33E-06	7.16E-05	6.99E-06	4.11E-11	2.13E-07	2.00E-07	7.41E-06	8.89E-06	4.06E-05	1.60E-05	7.33E-06	7.28E-05
3196	484363.09	3846877.25	0.00195	0.00134	0.0027	0.00234	7.28E-06	4.00E-05	1.74E-05	7.39E-06	7.21E-05	6.62E-06	4.05E-11	2.32E-07	2.01E-07	7.05E-06	8.41E-06	4.00E-05	1.74E-05	7.39E-06	7.32E-05
3197	484863.09	3846877.25	0.00189	0.0013	0.0028	0.00234	7.05E-06	3.88E-05	1.81E-05	7.39E-06	7.13E-05	6.42E-06	3.93E-11	2.42E-07	2.01E-07	6.86E-06	8.16E-06	3.88E-05	1.81E-05	7.39E-06	7.24E-05
3198	485363.09	3846877.25	0.00186	0.00128	0.0027	0.00232	6.94E-06	3.82E-05	1.74E-05	7.33E-06	6.99E-05	6.31E-06	3.87E-11	2.32E-07	2.00E-07	6.75E-06	8.03E-06	3.82E-05	1.74E-05	7.33E-06	7.10E-05
3199	485863.09	3846877.25	0.00167	0.00123	0.0024	0.00227	6.23E-06	3.67E-05	1.51E-05	7.17E-06	6.51E-05	5.67E-06	3.71E-11	2.01E-07	1.95E-07	6.07E-06	7.21E-06	3.67E-05	1.51E-05	7.17E-06	6.61E-05
3200	486363.09	3846877.25	0.00167	0.00126	0.0021	0.00225	6.23E-06	3.76E-05	1.35E-05	7.10E-06	6.44E-05	5.67E-06	3.80E-11	1.79E-07	1.94E-07	6.04E-06	7.21E-06	3.76E-05	1.35E-05	7.10E-06	6.54E-05
3201	486863.09	3846877.25	0.00147	0.00117	0.0019	0.00221	5.49E-06	3.49E-05	1.21E-05	6.98E-06	5.94E-05	4.99E-06	3.53E-11	1.61E-07	1.90E-07	5.34E-06	6.34E-06	3.49E-05	1.21E-05	6.98E-06	6.03E-05
3202	487363.09	3846877.25	0.00148	0.00114	0.0018	0.00223	5.52E-06	3.40E-05	1.13E-05	7.04E-06	5.79E-05	5.02E-06	3.44E-11	1.51E-07	1.92E-07	5.37E-06	6.39E-06	3.40E-05	1.13E-05	7.04E-06	5.87E-05
3203	487863.09	3846877.25	0.00147	0.00111	0.0018	0.00224	5.49E-06	3.31E-05	1.15E-05	7.07E-06	5.72E-05	4.99E-06	3.35E-11	1.53E-07	1.93E-07	5.34E-06	6.34E-06	3.31E-05	1.15E-05	7.07E-06	5.80E-05
3204	488363.09	3846877.25	0.00142	0.0011	0.0019	0.00226	5.30E-06	3.28E-05	1.23E-05	7.14E-06	5.76E-05	4.82E-06	3.32E-11	1.64E-07	1.95E-07	5.18E-06	6.13E-06	3.28E-05	1.23E-05	7.14E-06	5.84E-05
3205	488863.09	3846877.25	0.0014	0.00109	0.0022	0.00229	5.22E-06	3.25E-05	1.38E-05	7.23E-06	5.88E-05	4.75E-06	3.29E-11	1.85E-07	1.97E-07	5.13E-06	6.04E-06	3.25E-05	1.38E-05	7.23E-06	5.96E-05
3206	489363.09	3846877.25	0.00143	0.00109	0.0024	0.00231	5.34E-06	3.25E-05	1.52E-05	7.29E-06	6.03E-05	4.85E-06	3.29E-11	2.02E-07	1.99E-07	5.26E-06	6.17E-06	3.25E-05	1.52E-05	7.29E-06	6.12E-05
3207	489863.09	3846877.25	0.00139	0.0011	0.0024	0.00232	5.19E-06	3.28E-05	1.56E-05	7.33E-06	6.09E-05	4.72E-06	3.32E-11	2.08E-07	2.00E-07	5.13E-06	6.00E-06	3.28E-05	1.56E-05	7.33E-06	6.17E-05
3208	490363.09	3846877.25	0.00127	0.00105	0.0021	0.00229	4.74E-06	3.13E-05	1.37E-05	7.23E-06	5.69E-05	4.31E-06	3.17E-11	1.82E-07	1.97E-07	4.69E-06	5.48E-06	3.13E-05	1.37E-05	7.23E-06	5.77E-05
3209	490863.09	3846877.25	0.00127	0.00104	0.002	0.0023	4.74E-06	3.10E-05	1.28E-05	7.26E-06	5.58E-05	4.31E-06	3.14E-11	1.71E-07	1.98E-07	4.68E-06	5.48E-06	3.10E-05	1.28E-05	7.26E-06	5.66E-05
3210	491363.09	3846877.25	0.00134	0.00107	0.002	0.00237	5.00E-06	3.19E-05	1.27E-05	7.48E-06	5.71E-05	4.55E-06	3.23E-11	1.69E-07	2.04E-07	4.92E-06	5.78E-06	3.19E-05	1.27E-05	7.48E-06	5.79E-05
3211	491863.09	3846877.25	0.00138	0.00108	0.002	0.00242	5.15E-06	3.22E-05	1.28E-05	7.64E-06	5.78E-05	4.69E-06	3.26E-11	1.70E-07	2.08E-07	5.06E-06	5.95E-06	3.22E-05	1.28E-05	7.64E-06	5.86E-05
3212	492363.09	3846877.25	0.00154	0.00118	0.0021	0.00258	5.75E-06	3.52E-05	1.36E-05	8.15E-06	6.27E-05	5.23E-06	3.56E-11	1.81E-07	2.22E-07	5.63E-06	6.65E-06	3.52E-05	1.36E-05	8.15E-06	6.36E-05
3213	492863.09	3846877.25	0.00161	0.00121	0.0021	0.00267	6.01E-06	3.61E-05	1.31E-05	8.43E-06	6.37E-05	5.47E-06	3.65E-11	1.75E-07	2.30E-07	5.87E-06	6.95E-06	3.61E-05	1.31E-05	8.43E-06	6.46E-05
3214	493363.09	3846877.25	0.00175	0.00126	0.002	0.00277	6.53E-06	3.76E-05	1.28E-05	8.75E-06	6.56E-05	5.94E-06	3.80E-11	1.70E-07	2.39E-07	6.35E-06	7.55E-06	3.76E-05	1.28E-05	8.75E-06	6.66E-05
3215	493863.09	3846877.25	0.00186	0.00129	0.002	0.00284	6.94E-06	3.85E-05	1.26E-05	8.97E-06	6.70E-05	6.31E-06	3.90E-11	1.68E-07	2.45E-07	6.73E-06	8.03E-06	3.85E-05	1.26E-05	8.97E-06	6.81E-05
3216	494363.09	3846877.25	0.00197	0.00133	0.002	0.00291	7.35E-06	3.97E-05	1.27E-05	9.19E-06	6.89E-05	6.69E-06	4.02E-11	1.69E-07	2.51E-07	7.11E-06	8.50E-06	3.97E-05	1.27E-05	9.19E-06	7.01E-05
3217	494863.09	3846877.25	0.00206	0.0014	0.002	0.00297	7.69E-06	4.18E-05	1.29E-05	9.38E-06	7.18E-05	6.99E-06	4.23E-11	1.73E-07	2.56E-07	7.42E-06	8.89E-06	4.18E-05	1.29E-05	9.38E-06	7.30E-05
3218	495363.09	3846877.25	0.00213	0.00148	0.0021	0.00305	7.95E-06	4.42E-05	1.32E-05	9.63E-06	7.49E-05	7.23E-06	4.47E-11	1.76E-07	2.63E-07	7.67E-06	9.19E-06	4.42E-05	1.32E-05	9.63E-06	7.62E-05
3219	495863.09	3846877.25	0.00222	0.00156	0.0022	0.00314	8.28E-06	4.65E-05	1.39E-05	9.91E-06	7.86E-05	7.54E-06	4.71E-11	1.85E-07	2.70E-07	7.99E-06	9.58E-06	4.65E-05	1.39E-05	9.91E-06	7.99E-05
3220	496363.09	3846877.25	0.00237	0.00165	0.0024	0.00324	8.84E-06	4.92E-05	1.54E-05	1.02E-05	8.37E-05	8.05E-06	4.98E-11	2.05E-07	2.79E-07	8.53E-06	1.02E-05	4.92E-05	1.54E-05	1.02E-05	8.51E-05
3221	496863.09	3846877.25	0.00257	0.00175	0.0027	0.00335	9.59E-06	5.22E-05	1.72E-05	1.06E-05	8.95E-05	8.73E-06	5.28E-11	2.29E-07	2.88E-07	9.24E-06	1.11E-05	5.22E-05	1.72E-05	1.06E-05	9.10E-05
3222	497363.09	3846877.25	0.00282	0.00189	0.003	0.00348	1.05E-05	5.64E-05	1.93E-05	1.10E-05	9.72E-05	9.57E-06	5.71E-11	2.58E-07	3.00E-07	1.01E-05	1.22E-05	5.64E-05	1.93E-05	1.10E-05	9.89E-05
3223	497863.09	3846877.25	0.00308	0.00203	0.0034	0.0036	1.15E-05	6.06E-05	2.17E-05	1.14E-05	1.05E-04	1.05E-05	6.13E-11	2.89E-07	3.10E-07	1.11E-05	1.33E-05	6.06E-05	2.17E-05	1.14E-05	1.07E-04
3224	498363.09	3846877.25	0.00323	0.00212	0.0036	0.00372	1.21E-05	6.32E-05	2.30E-05	1.17E-05	1.10E-04	1.10E-05	6.40E-11	3.07E-07	3.20E-07	1.16E-05	1.39E-05	6.32E-05	2.30E-05	1.17E-05	1.12E-04
3225	471363.09	3847377.25	0.00598	0.00395	0.0016	0.00205	2.23E-05	1.18E-04	1.00E-05	6.47E-06	1.57E-04	2.03E-05	1.19E-10	1.34E-07	1.77E-07	2.06E-05	2.58E-05	1.18E-04	1.00E-05	6.47E-06	1.60E-04
3226	471863.09	3847377.25	0.00612	0.00398	0.0015	0.00208	2.28E-05	1.19E-04	9.76E-06	6.57E-06	1.58E-04	2.08E-05	1.20E-10	1.30E-07	1.79E-07	2.11E-05	2.64E-05	1.19E-04	9.76E-06	6.57E-06	1.61E-04
3227	472363.09	3847377.25	0.00611	0.00388	0.0015	0.00211	2.28E-05	1.16E-04	9.70E-06	6.66E-06	1.55E-04	2.07E-05	1.17E-10	1.29E-07	1.82E-07	2.11E-05	2.64E-05	1.16E-04	9.70E-06	6.66E-06	1.58E-04
3228	472863.09	3847377.25	0.00587	0.0035	0.0015	0.00212	2.19E-05	1.04E-04	9.70E-06	6.69E-06	1.43E-04	1.99E-05	1.06E-10	1.29E-07	1.83E-07	2.02E-05	2.53E-05	1.04E-04	9.70E-06	6.69E-06	1.46E-04
3229	473363.09	3847377.25	0.0051	0.00267	0.0015	0.00208	1.90E-05	7.97E-05	9.50E-06	6.57E-06	1.15E-04	1.73E-05	8.06E-11	1.27E-07	1.79E-07	1.76E-05	2.20E-05	7.97E-05	9.50E-06	6.57E-06	1.18E-04

3230	473863.09	3847377.25	0.00504	0.00269	0.0015	0.00206	1.88E-05	8.03E-05	9.76E-06	6.50E-06	1.15E-04	1.71E-05	8.12E-11	1.30E-07	1.77E-07	1.74E-05	2.17E-05	8.03E-05	9.76E-06	6.50E-06	1.18E-04
3231	474363.09	3847377.25	0.00519	0.0031	0.0016	0.00204	1.94E-05	9.25E-05	1.02E-05	6.44E-06	1.28E-04	1.76E-05	9.36E-11	1.36E-07	1.76E-07	1.79E-05	2.24E-05	9.25E-05	1.02E-05	6.44E-06	1.32E-04
3232	474863.09	3847377.25	0.00479	0.00335	0.0016	0.00201	1.79E-05	9.99E-05	1.04E-05	6.35E-06	1.35E-04	1.63E-05	1.01E-10	1.39E-07	1.73E-07	1.66E-05	2.07E-05	9.99E-05	1.04E-05	6.35E-06	1.37E-04
3233	475363.09	3847377.25	0.00438	0.0035	0.0016	0.00199	1.63E-05	1.04E-04	1.04E-05	6.28E-06	1.37E-04	1.49E-05	1.06E-10	1.39E-07	1.71E-07	1.52E-05	1.89E-05	1.04E-04	1.04E-05	6.28E-06	1.40E-04
3234	475863.09	3847377.25	0.0051	0.00403	0.0016	0.00205	1.90E-05	1.20E-04	1.04E-05	6.47E-06	1.56E-04	1.73E-05	1.22E-10	1.39E-07	1.77E-07	1.76E-05	2.20E-05	1.20E-04	1.04E-05	6.47E-06	1.59E-04
3235	476363.09	3847377.25	0.0065	0.00439	0.0016	0.0022	2.43E-05	1.31E-04	1.03E-05	6.95E-06	1.73E-04	2.21E-05	1.33E-10	1.38E-07	1.89E-07	2.24E-05	2.80E-05	1.31E-04	1.03E-05	6.95E-06	1.76E-04
3236	476863.09	3847377.25	0.00836	0.00393	0.0016	0.00226	3.12E-05	1.17E-04	1.01E-05	7.14E-06	1.66E-04	2.84E-05	1.19E-10	1.35E-07	1.95E-07	2.87E-05	3.61E-05	1.17E-04	1.01E-05	7.14E-06	1.71E-04
3237	477363.09	3847377.25	0.00865	0.00362	0.0016	0.00225	3.23E-05	1.08E-04	1.02E-05	7.10E-06	1.58E-04	2.94E-05	1.09E-10	1.36E-07	1.94E-07	2.97E-05	3.73E-05	1.08E-04	1.02E-05	7.10E-06	1.63E-04
3238	477863.09	3847377.25	0.00807	0.0031	0.0017	0.00224	3.01E-05	9.25E-05	1.08E-05	7.07E-06	1.40E-04	2.74E-05	9.36E-11	1.44E-07	1.93E-07	2.77E-05	3.48E-05	9.25E-05	1.08E-05	7.07E-06	1.45E-04
3239	478363.09	3847377.25	0.0069	0.00299	0.002	0.00229	2.57E-05	8.92E-05	1.28E-05	7.23E-06	1.35E-04	2.34E-05	9.03E-11	1.70E-07	1.97E-07	2.38E-05	2.98E-05	8.92E-05	1.28E-05	7.23E-06	1.39E-04
3240	478863.09	3847377.25	0.00537	0.00295	0.0027	0.00247	2.00E-05	8.80E-05	1.73E-05	7.80E-06	1.33E-04	1.82E-05	8.91E-11	2.31E-07	2.13E-07	1.87E-05	2.32E-05	8.80E-05	1.73E-05	7.80E-06	1.36E-04
3241	479363.09	3847377.25	0.0049	0.00235	0.0025	0.00229	1.83E-05	7.01E-05	1.58E-05	7.23E-06	1.11E-04	1.66E-05	7.10E-11	2.11E-07	1.97E-07	1.70E-05	2.11E-05	7.01E-05	1.58E-05	7.23E-06	1.14E-04
3242	479863.09	3847377.25	0.0035	0.00188	0.002	0.00223	1.31E-05	5.61E-05	1.26E-05	7.04E-06	8.88E-05	1.19E-05	5.68E-11	1.68E-07	1.92E-07	1.22E-05	1.51E-05	5.61E-05	1.26E-05	7.04E-06	9.08E-05
3243	480363.09	3847377.25	0.00236	0.00158	0.0018	0.00227	8.81E-06	4.71E-05	1.14E-05	7.17E-06	7.45E-05	8.01E-06	4.77E-11	1.52E-07	1.95E-07	8.36E-06	1.02E-05	4.71E-05	1.14E-05	7.17E-06	7.59E-05
3244	480863.09	3847377.25	0.00222	0.0015	0.0018	0.00233	8.28E-06	4.48E-05	1.12E-05	7.36E-06	7.16E-05	7.54E-06	4.53E-11	1.50E-07	2.01E-07	7.89E-06	9.58E-06	4.48E-05	1.12E-05	7.36E-06	7.29E-05
3245	481363.09	3847377.25	0.00241	0.00155	0.0018	0.00242	8.99E-06	4.62E-05	1.13E-05	7.64E-06	7.42E-05	8.18E-06	4.68E-11	1.51E-07	2.08E-07	8.54E-06	1.04E-05	4.62E-05	1.13E-05	7.64E-06	7.56E-05
3246	481863.09	3847377.25	0.00281	0.00174	0.0019	0.00249	1.05E-05	5.19E-05	1.21E-05	7.86E-06	8.23E-05	9.54E-06	5.25E-11	1.61E-07	2.14E-07	9.92E-06	1.21E-05	5.19E-05	1.21E-05	7.86E-06	8.40E-05
3247	482363.09	3847377.25	0.0026	0.00168	0.002	0.00245	9.70E-06	5.01E-05	1.28E-05	7.74E-06	8.04E-05	8.83E-06	5.07E-11	1.71E-07	2.11E-07	9.21E-06	1.12E-05	5.01E-05	1.28E-05	7.74E-06	8.19E-05
3248	482863.09	3847377.25	0.00248	0.00159	0.0022	0.00241	9.25E-06	4.74E-05	1.38E-05	7.61E-06	7.81E-05	8.42E-06	4.80E-11	1.85E-07	2.08E-07	8.81E-06	1.07E-05	4.74E-05	1.38E-05	7.61E-06	7.96E-05
3249	483363.09	3847377.25	0.00235	0.00151	0.0023	0.0024	8.77E-06	4.50E-05	1.49E-05	7.58E-06	7.63E-05	7.98E-06	4.56E-11	1.99E-07	2.07E-07	8.38E-06	1.01E-05	4.50E-05	1.49E-05	7.58E-06	7.77E-05
3250	483863.09	3847377.25	0.00235	0.00148	0.0026	0.00243	8.77E-06	4.42E-05	1.66E-05	7.67E-06	7.72E-05	7.98E-06	4.47E-11	2.21E-07	2.09E-07	8.41E-06	1.01E-05	4.42E-05	1.66E-05	7.67E-06	7.86E-05
3251	484363.09	3847377.25	0.0023	0.00149	0.003	0.00247	8.58E-06	4.45E-05	1.89E-05	7.80E-06	7.97E-05	7.81E-06	4.50E-11	2.52E-07	2.13E-07	8.27E-06	9.92E-06	4.45E-05	1.89E-05	7.80E-06	8.11E-05
3252	484863.09	3847377.25	0.0022	0.00144	0.0032	0.00248	8.21E-06	4.30E-05	2.01E-05	7.83E-06	7.91E-05	7.47E-06	4.35E-11	2.68E-07	2.14E-07	7.95E-06	9.49E-06	4.30E-05	2.01E-05	7.83E-06	8.04E-05
3253	485363.09	3847377.25	0.00213	0.00141	0.003	0.00246	7.95E-06	4.21E-05	1.93E-05	7.77E-06	7.70E-05	7.23E-06	4.26E-11	2.57E-07	2.12E-07	7.70E-06	9.19E-06	4.21E-05	1.93E-05	7.77E-06	7.83E-05
3254	485863.09	3847377.25	0.002	0.00138	0.0027	0.00242	7.46E-06	4.12E-05	1.71E-05	7.64E-06	7.34E-05	6.79E-06	4.17E-11	2.28E-07	2.08E-07	7.23E-06	8.63E-06	4.12E-05	1.71E-05	7.64E-06	7.45E-05
3255	486363.09	3847377.25	0.00192	0.0014	0.0023	0.00239	7.16E-06	4.18E-05	1.46E-05	7.55E-06	7.11E-05	6.52E-06	4.23E-11	1.95E-07	2.06E-07	6.92E-06	8.29E-06	4.18E-05	1.46E-05	7.55E-06	7.22E-05
3256	486863.09	3847377.25	0.00176	0.00133	0.0021	0.00237	6.57E-06	3.97E-05	1.31E-05	7.48E-06	6.68E-05	5.98E-06	4.02E-11	1.74E-07	2.04E-07	6.35E-06	7.59E-06	3.97E-05	1.31E-05	7.48E-06	6.78E-05
3257	487363.09	3847377.25	0.00176	0.0013	0.0019	0.00239	6.57E-06	3.88E-05	1.21E-05	7.55E-06	6.50E-05	5.98E-06	3.93E-11	1.62E-07	2.06E-07	6.34E-06	7.59E-06	3.88E-05	1.21E-05	7.55E-06	6.60E-05
3258	487863.09	3847377.25	0.00165	0.00122	0.0019	0.00239	6.16E-06	3.64E-05	1.21E-05	7.55E-06	6.22E-05	5.60E-06	3.68E-11	1.62E-07	2.06E-07	5.97E-06	7.12E-06	3.64E-05	1.21E-05	7.55E-06	6.32E-05
3259	488363.09	3847377.25	0.00159	0.0012	0.0021	0.00241	5.93E-06	3.58E-05	1.35E-05	7.61E-06	6.29E-05	5.40E-06	3.62E-11	1.80E-07	2.08E-07	5.79E-06	6.86E-06	3.58E-05	1.35E-05	7.61E-06	6.38E-05
3260	488863.09	3847377.25	0.00158	0.0012	0.0024	0.00244	5.90E-06	3.58E-05	1.54E-05	7.70E-06	6.48E-05	5.36E-06	3.62E-11	2.05E-07	2.10E-07	5.78E-06	6.82E-06	3.58E-05	1.54E-05	7.70E-06	6.57E-05
3261	489363.09	3847377.25	0.0016	0.0012	0.0026	0.00246	5.97E-06	3.58E-05	1.68E-05	7.77E-06	6.63E-05	5.43E-06	3.62E-11	2.24E-07	2.12E-07	5.87E-06	6.90E-06	3.58E-05	1.68E-05	7.77E-06	6.72E-05
3262	489863.09	3847377.25	0.00152	0.0012	0.0025	0.00248	5.67E-06	3.58E-05	1.62E-05	7.83E-06	6.55E-05	5.16E-06	3.62E-11	2.16E-07	2.14E-07	5.59E-06	6.56E-06	3.58E-05	1.62E-05	7.83E-06	6.64E-05
3263	490363.09	3847377.25	0.00145	0.00117	0.0023	0.00249	5.41E-06	3.49E-05	1.47E-05	7.86E-06	6.28E-05	4.92E-06	3.53E-11	1.96E-07	2.14E-07	5.33E-06	6.26E-06	3.49E-05	1.47E-05	7.86E-06	6.37E-05
3264	490863.09	3847377.25	0.00151	0.00119	0.0023	0.00256	5.63E-06	3.55E-05	1.44E-05	8.08E-06	6.36E-05	5.13E-06	3.59E-11	1.91E-07	2.20E-07	5.54E-06	6.52E-06	3.55E-05	1.44E-05	8.08E-06	6.45E-05
3265	491363.09	3847377.25	0.00158	0.00121	0.0022	0.00262	5.90E-06	3.61E-05	1.42E-05	8.27E-06	6.45E-05	5.36E-06	3.65E-11	1.90E-07	2.26E-07	5.78E-06	6.82E-06	3.61E-05	1.42E-05	8.27E-06	6.54E-05
3266	491863.09	3847377.25	0.00172	0.00128	0.0024	0.00273	6.42E-06	3.82E-05	1.50E-05	8.62E-06	6.82E-05	5.84E-06	3.87E-11	2.00E-07	2.35E-07	6.27E-06	7.42E-06	3.82E-05	1.50E-05	8.62E-06	6.92E-05
3267	492363.09	3847377.25	0.00176	0.0013	0.0023	0.00281	6.57E-06	3.88E-05	1.47E-05	8.87E-06	6.89E-05	5.98E-06	3.93E-11	1.96E-07	2.42E-07	6.41E-06	7.59E-06	3.88E-05	1.47E-05	8.87E-06	6.99E-05
3268	492863.09	3847377.25	0.00189	0.00135	0.0022	0.00292	7.05E-06	4.03E-05	1.42E-05	9.22E-06	7.08E-05	6.42E-06	4.08E-11	1.90E-07	2.51E-07	6.86E-06	8.16E-06	4.03E-05	1.42E-05	9.22E-06	7.19E-05
3269	493363.09	3847377.25	0.002	0.00138	0.0021	0.00301	7.46E-06	4.12E-05	1.35E-05	9.50E-06	7.16E-05	6.79E-06	4.17E-11	1.79E-07	2.59E-07	7.23E-06	8.63E-06	4.12E-05	1.35E-05	9.50E-06	7.28E-05
3270	493863.09	3847377.25	0.00207	0.0014	0.0021	0.00307	7.72E-06	4.18E-05	1.31E-05	9.69E-06	7.23E-05	7.03E-06	4.23E-11	1.75E-07	2.64E-07	7.47E-06	8.93E-06	4.18E-05	1.31E-05	9.69E-06	7.35E-05
3271	494363.09	3847377.25	0.00213	0.00145	0.0021	0.00312	7.95E-06	4.33E-05	1.33E-05	9.85E-06	7.43E-05	7.23E-06	4.38E-11	1.77E-07	2.69E-07	7.68E-06	9.19E-06	4.33E-05	1.33E-05	9.85E-06	7.56E-05
3272	494863.09	3847377.25	0.00219	0.00152	0.0021	0.00319	8.17E-06	4.53E-05	1.35E-05	1.01E-05	7.71E-05	7.44E-06	4.59E-11	1.80E-07	2.75E-07	7.89E-06	9.45E-06	4.53E-05	1.35E-05	1.01E-05	7.84E-05
3273	495363.09	3847377.25	0.00228	0.0016	0.0022	0.00328	8.51E-06	4.77E-05	1.41E-05	1.04E-05	8.07E-05	7.74E-06	4.83E-11	1.88E-07	2.82E-07	8.21E-06	9.84E-06	4.77E-05	1.41E-05	1.04E-05	8.20E-05
3274	495863.09	3847377.25	0.00243	0.00169	0.0024	0.00339	9.07E-06	5.04E-05	1.55E-05	1.07E-05	8.57E-05	8.25E-06	5.10E-11	2.07E-07	2.92E-07	8.75E-06	1.05E-05	5.04E-05	1.55E-05	1.07E-05	8.71E-05
3275	496363.09	3847377.25	0.0026	0.00178	0.0027	0.0035	9.70E-06	5.31E-05	1.72E-05	1.11E-05	9.11E-05	8.83E-06	5.38E-11	2.30E-07	3.01E-07	9.36E-06	1.12E-05	5.31E-05	1.72E-05	1.11E-05	9.26E-05
3276	496863.09	3847377.25	0.00286	0.0019	0.003	0.00363	1.07E-05	5.67E-05	1.91E-05	1.15E-05	9.79E-05	9.71E-06	5.74E-11	2.54E-07	3.13E-07	1.03E-05	1.23E-05	5.67E-05	1.91E-05	1.15E-05	9.96E-05
3277	497363.09	3847377.25	0.00319	0.00208	0.0034	0.0038	1.19E-05	6.21E-05	2.14E-05	1.20E-05	1.07E-04	1.08E-05	6.28E-11	2.85E-07	3.27E-07	1.14E-05	1.38E-05	6.21E-05	2.14E-05	1.20E-05	1.09E-04
3278	497863.09	3847377.25	0.00362	0.0023	0.0038	0.00395	1.35E-05	6.86E-05	2.40E-05	1.25E-05	1.19E-04	1.23E-05	6.95E-11	3.21E-07	3.40E-07	1.30E-05	1.56E-05	6.86E-05	2.40E-05	1.25E-05	1.21E-04
3279	498363.09	3847377.25	0.00389	0.00242	0.004	0.00408	1.45E-05	7.22E-05	2.55E-05	1.29E-05	1.25E-04	1.32E-05	7.31E-11	3.40E-07	3.51E-07	1.39E-05	1.68E-05	7.22E-05	2.55E-05	1.29E-05	1.27E-04
3280	471363.09	3847877.25	0.00661	0.00422	0.0017	0.00212	2.47E-05	1.26E-04	1.05E-05	6.69E-06	1.68E-04	2.24E-05	1.27E-10	1.40E-07	1.83E-07	2.28E-05	2.85E-05	1.26E-04	1.05E-05	6.69E-06	1.72E-04
3281	471863.09	3847877.25	0.00659	0.00432	0.0017	0.00215	2.46E-05	1.29E-04	1.05E-05	6.79E-06	1.71E-04	2.24E-05	1.30E-10	1.40E-07	1.85E-07	2.27E-05	2.84E-05	1.29E-04	1.05E-05	6.79E-06	1.75E-04
3282	472363.09	3847877.25	0.00667	0.00436	0.0016	0.00217	2.49E-05	1.30E-04	1.03E-05	6.85E-06	1.72E-04	2.26E-05	1.32E-10	1.38E-07	1.87E-07	2.30E-05	2.88E-05	1.30E-04	1.03E-05	6.85E-06	1.76E-04
3283	472863.09	3847877.25	0.00674	0.00426	0.0016	0.00219	2.52E-05	1.27E-04	1.01E-05	6.91E-06	1.69E-04	2.29E-05	1.29E-10	1.34E-07	1.89E-07	2.32E-05	2.91E-05	1.27E-04	1.01E-05	6.91E-06	1.73E-04
3284	473363.09	3847877.25	0.00669	0.00412	0.0016	0.00221	2.50E-05	1.23E-04	9.95E-06	6.98E-06	1.65E-04	2.27E-05	1.24E-10	1.33E-07	1.90E-07	2.30E-05	2.89E-05	1.23E-04	9.95E-06	6.98E-06	1.69E-04
3285	473863.09	3847877.25	0.00646	0.00368	0.0016	0.00222	2.41E-05	1.10E-04	1.01E-05	7.01E-06	1.51E-04	2.19E-05	1.11E-10	1.35E-07	1.91E-07	2.23E-05	2.79E-05	1.10E-04	1.01E-05	7.01E-06	1.55E-04
3286	474363.09	3847877.25	0.0058	0.00305	0.0016	0.00218	2.16E-05	9.10E-05	1.02E-05	6.88E-06	1.30E-04	1.97E-05	9.21E-11	1.36E-07	1.88E-07	2.00E-05	2.50E-05	9.10E-05	1.02E-05	6.88E-06	1.33E-04
3287	474863.09	3847877.25	0.00593	0.00352	0.0017	0.00215	2.21E-05	1.05E-04	1.07E-05	6.79E-06	1.45E-04	2.01E-05	1.06E-10	1.42E-07	1.85E-07	2.05E-05	2.56E-05	1.05E-04	1.07E-05	6.79E-06	1.48E-04
3288	475363.09	3847877.25	0.00548	0.0037	0.0017	0.00212	2.04E-05	1.10E-04	1.08E-05	6.69E-06	1.48E-04	1.86E-05	1.12E-10	1.45E-07	1.83E-07	1.89E-05	2.36E-05	1.10E-04	1.08E-05	6.69E-06	1.52E-04
3289	475863.09	3847877.25	0.00487	0.00383	0.0017	0.0021	1.82E-05	1.14E-04	1.09E-05	6.63E-06	1.50E-04	1.65E-05	1.16E-10	1.45E-07	1.81E-07	1.69E-05	2.10E-05	1.14E-04	1.09E-05	6.63E-06	1.53E-04
3290	476363.09	3847877.25	0.00589	0.00492	0.0017	0.0022	2.20E-05	1.47E-04	1.10E-05	6.95E-06	1.87E-04	2.00E-05	1.49E-10	1.46E-07	1.89E-07	2.03E-05	2.54E-05	1.47E-04	1.10E-05	6.95E-06	1.90E-04

3291	476863.09	3847877.25	0.00718	0.00481	0.0017	0.00234	2.68E-05	1.43E-04	1.08E-05	7.39E-06	1.88E-04	2.44E-05	1.45E-10	1.44E-07	2.01E-07	2.47E-05	3.10E-05	1.43E-04	1.08E-05	7.39E-06	1.93E-04
3292	477363.09	3847877.25	0.00952	0.00449	0.0017	0.0024	3.55E-05	1.34E-04	1.07E-05	7.58E-06	1.88E-04	3.23E-05	1.36E-10	1.42E-07	2.07E-07	3.27E-05	4.11E-05	1.34E-04	1.07E-05	7.58E-06	1.93E-04
3293	477863.09	3847877.25	0.00979	0.00393	0.0017	0.00239	3.65E-05	1.17E-04	1.07E-05	7.55E-06	1.72E-04	3.32E-05	1.19E-10	1.43E-07	2.06E-07	3.36E-05	4.22E-05	1.17E-04	1.07E-05	7.55E-06	1.78E-04
3294	478363.09	3847877.25	0.00916	0.00345	0.0018	0.00241	3.42E-05	1.03E-04	1.15E-05	7.61E-06	1.56E-04	3.11E-05	1.04E-10	1.53E-07	2.08E-07	3.15E-05	3.95E-05	1.03E-04	1.15E-05	7.61E-06	1.62E-04
3295	478863.09	3847877.25	0.00742	0.00329	0.0024	0.00265	2.77E-05	9.82E-05	1.50E-05	8.37E-06	1.49E-04	2.52E-05	9.94E-11	2.00E-07	2.28E-07	2.56E-05	3.20E-05	9.82E-05	1.50E-05	8.37E-06	1.54E-04
3296	479363.09	3847877.25	0.00468	0.00245	0.0024	0.00239	1.75E-05	7.31E-05	1.54E-05	7.55E-06	1.13E-04	1.59E-05	7.40E-11	2.05E-07	2.06E-07	1.63E-05	2.02E-05	7.31E-05	1.54E-05	7.55E-06	1.16E-04
3297	479863.09	3847877.25	0.00298	0.00174	0.0018	0.00229	1.11E-05	5.19E-05	1.17E-05	7.23E-06	8.19E-05	1.01E-05	5.25E-11	1.56E-07	1.97E-07	1.05E-05	1.29E-05	5.19E-05	1.17E-05	7.23E-06	8.37E-05
3298	480363.09	3847877.25	0.0029	0.00177	0.0019	0.00236	1.08E-05	5.28E-05	1.21E-05	7.45E-06	8.31E-05	9.85E-06	5.35E-11	1.61E-07	2.03E-07	1.02E-05	1.25E-05	5.28E-05	1.21E-05	7.45E-06	8.48E-05
3299	480863.09	3847877.25	0.00258	0.00168	0.0019	0.00244	9.63E-06	5.01E-05	1.19E-05	7.70E-06	7.93E-05	8.76E-06	5.07E-11	1.58E-07	2.10E-07	9.13E-06	1.11E-05	5.01E-05	1.19E-05	7.70E-06	8.08E-05
3300	481363.09	3847877.25	0.00267	0.00168	0.0019	0.00252	9.96E-06	5.01E-05	1.19E-05	7.96E-06	7.99E-05	9.06E-06	5.07E-11	1.58E-07	2.17E-07	9.44E-06	1.15E-05	5.01E-05	1.19E-05	7.96E-06	8.15E-05
3301	481863.09	3847877.25	0.00346	0.00197	0.002	0.00263	1.29E-05	5.88E-05	1.28E-05	8.30E-06	9.28E-05	1.17E-05	5.95E-11	1.71E-07	2.26E-07	1.21E-05	1.49E-05	5.88E-05	1.28E-05	8.30E-06	9.48E-05
3302	482363.09	3847877.25	0.00309	0.00189	0.0021	0.00259	1.15E-05	5.64E-05	1.31E-05	8.18E-06	8.92E-05	1.05E-05	5.71E-11	1.75E-07	2.23E-07	1.09E-05	1.33E-05	5.64E-05	1.31E-05	8.18E-06	9.10E-05
3303	482863.09	3847877.25	0.00279	0.00174	0.0022	0.00254	1.04E-05	5.19E-05	1.39E-05	8.02E-06	8.42E-05	9.47E-06	5.25E-11	1.85E-07	2.19E-07	9.88E-06	1.20E-05	5.19E-05	1.39E-05	8.02E-06	8.59E-05
3304	483363.09	3847877.25	0.00267	0.00168	0.0024	0.00254	9.96E-06	5.01E-05	1.51E-05	8.02E-06	8.32E-05	9.06E-06	5.07E-11	2.02E-07	2.19E-07	9.49E-06	1.15E-05	5.01E-05	1.51E-05	8.02E-06	8.48E-05
3305	483863.09	3847877.25	0.00275	0.00164	0.0026	0.00258	1.03E-05	4.89E-05	1.67E-05	8.15E-06	8.40E-05	9.34E-06	4.95E-11	2.23E-07	2.22E-07	9.78E-06	1.19E-05	4.89E-05	1.67E-05	8.15E-06	8.57E-05
3306	484363.09	3847877.25	0.00266	0.00164	0.003	0.00263	9.93E-06	4.89E-05	1.91E-05	8.30E-06	8.62E-05	9.03E-06	4.95E-11	2.54E-07	2.26E-07	9.51E-06	1.15E-05	4.89E-05	1.91E-05	8.30E-06	8.78E-05
3307	484863.09	3847877.25	0.00257	0.00162	0.0034	0.00265	9.59E-06	4.83E-05	2.14E-05	8.37E-06	8.77E-05	8.73E-06	4.89E-11	2.85E-07	2.28E-07	9.24E-06	1.11E-05	4.83E-05	2.14E-05	8.37E-06	8.92E-05
3308	485363.09	3847877.25	0.00257	0.00161	0.0034	0.00264	9.59E-06	4.80E-05	2.16E-05	8.34E-06	8.75E-05	8.73E-06	4.86E-11	2.87E-07	2.27E-07	9.24E-06	1.11E-05	4.80E-05	2.16E-05	8.34E-06	8.90E-05
3309	485863.09	3847877.25	0.00239	0.00157	0.0031	0.0026	8.92E-06	4.68E-05	1.96E-05	8.21E-06	8.35E-05	8.11E-06	4.74E-11	2.61E-07	2.24E-07	8.60E-06	1.03E-05	4.68E-05	1.96E-05	8.21E-06	8.49E-05
3310	486363.09	3847877.25	0.00214	0.00152	0.0025	0.00255	7.99E-06	4.53E-05	1.58E-05	8.05E-06	7.72E-05	7.27E-06	4.59E-11	2.11E-07	2.20E-07	7.70E-06	9.23E-06	4.53E-05	1.58E-05	8.05E-06	7.85E-05
3311	486863.09	3847877.25	0.00206	0.00149	0.0022	0.00253	7.69E-06	4.45E-05	1.41E-05	7.99E-06	7.42E-05	6.99E-06	4.50E-11	1.88E-07	2.18E-07	7.40E-06	8.89E-06	4.45E-05	1.41E-05	7.99E-06	7.54E-05
3312	487363.09	3847877.25	0.00198	0.00141	0.002	0.00255	7.39E-06	4.21E-05	1.29E-05	8.05E-06	7.04E-05	6.72E-06	4.26E-11	1.72E-07	2.20E-07	7.11E-06	8.54E-06	4.21E-05	1.29E-05	8.05E-06	7.15E-05
3313	487863.09	3847877.25	0.00187	0.00134	0.002	0.00255	6.98E-06	4.00E-05	1.28E-05	8.05E-06	6.78E-05	6.35E-06	4.05E-11	1.71E-07	2.20E-07	6.74E-06	8.07E-06	4.00E-05	1.28E-05	8.05E-06	6.89E-05
3314	488363.09	3847877.25	0.0018	0.00133	0.0022	0.00257	6.72E-06	3.97E-05	1.43E-05	8.11E-06	6.88E-05	6.11E-06	4.02E-11	1.91E-07	2.21E-07	6.52E-06	7.77E-06	3.97E-05	1.43E-05	8.11E-06	6.98E-05
3315	488863.09	3847877.25	0.00181	0.00135	0.0026	0.00261	6.75E-06	4.03E-05	1.63E-05	8.24E-06	7.15E-05	6.14E-06	4.08E-11	2.17E-07	2.25E-07	6.59E-06	7.81E-06	4.03E-05	1.63E-05	8.24E-06	7.26E-05
3316	489363.09	3847877.25	0.00181	0.00135	0.0028	0.00265	6.75E-06	4.03E-05	1.77E-05	8.37E-06	7.31E-05	6.14E-06	4.08E-11	2.36E-07	2.28E-07	6.61E-06	7.81E-06	4.03E-05	1.77E-05	8.37E-06	7.41E-05
3317	489863.09	3847877.25	0.00185	0.00141	0.0028	0.00271	6.90E-06	4.21E-05	1.76E-05	8.56E-06	7.51E-05	6.28E-06	4.26E-11	2.35E-07	2.33E-07	6.75E-06	7.98E-06	4.21E-05	1.76E-05	8.56E-06	7.62E-05
3318	490363.09	3847877.25	0.00186	0.00142	0.0026	0.00278	6.94E-06	4.24E-05	1.63E-05	8.78E-06	7.44E-05	6.31E-06	4.29E-11	2.18E-07	2.39E-07	6.77E-06	8.03E-06	4.24E-05	1.63E-05	8.78E-06	7.55E-05
3319	490863.09	3847877.25	0.00191	0.00142	0.0024	0.00284	7.13E-06	4.24E-05	1.56E-05	8.97E-06	7.40E-05	6.48E-06	4.29E-11	2.08E-07	2.45E-07	6.94E-06	8.24E-06	4.24E-05	1.56E-05	8.97E-06	7.51E-05
3320	491363.09	3847877.25	0.00192	0.00141	0.0025	0.0029	7.16E-06	4.21E-05	1.57E-05	9.16E-06	7.41E-05	6.52E-06	4.26E-11	2.09E-07	2.50E-07	6.98E-06	8.29E-06	4.21E-05	1.57E-05	9.16E-06	7.52E-05
3321	491863.09	3847877.25	0.002	0.00144	0.0025	0.00301	7.46E-06	4.30E-05	1.58E-05	9.50E-06	7.57E-05	6.79E-06	4.35E-11	2.10E-07	2.59E-07	7.26E-06	8.63E-06	4.30E-05	1.58E-05	9.50E-06	7.68E-05
3322	492363.09	3847877.25	0.0021	0.00148	0.0024	0.00314	7.84E-06	4.42E-05	1.54E-05	9.91E-06	7.73E-05	7.13E-06	4.47E-11	2.06E-07	2.70E-07	7.61E-06	9.06E-06	4.42E-05	1.54E-05	9.91E-06	7.86E-05
3323	492863.09	3847877.25	0.0022	0.00151	0.0023	0.00322	8.21E-06	4.50E-05	1.46E-05	1.02E-05	7.80E-05	7.47E-06	4.56E-11	1.95E-07	2.77E-07	7.94E-06	9.49E-06	4.50E-05	1.46E-05	1.02E-05	7.93E-05
3324	493363.09	3847877.25	0.0022	0.00149	0.0022	0.00324	8.21E-06	4.45E-05	1.38E-05	1.02E-05	7.67E-05	7.47E-06	4.50E-11	1.84E-07	2.79E-07	7.93E-06	9.49E-06	4.45E-05	1.38E-05	1.02E-05	7.80E-05
3325	493863.09	3847877.25	0.00222	0.00151	0.0021	0.0033	8.28E-06	4.50E-05	1.35E-05	1.04E-05	7.73E-05	7.54E-06	4.56E-11	1.80E-07	2.84E-07	8.00E-06	9.58E-06	4.50E-05	1.35E-05	1.04E-05	7.86E-05
3326	494363.09	3847877.25	0.00226	0.00158	0.0022	0.00337	8.43E-06	4.71E-05	1.37E-05	1.06E-05	7.99E-05	7.67E-06	4.77E-11	1.83E-07	2.90E-07	8.15E-06	9.75E-06	4.71E-05	1.37E-05	1.06E-05	8.12E-05
3327	494863.09	3847877.25	0.00236	0.00166	0.0022	0.00346	8.81E-06	4.95E-05	1.42E-05	1.09E-05	8.34E-05	8.01E-06	5.01E-11	1.89E-07	2.98E-07	8.50E-06	1.02E-05	4.95E-05	1.42E-05	1.09E-05	8.48E-05
3328	495363.09	3847877.25	0.00245	0.00172	0.0024	0.00353	9.14E-06	5.13E-05	1.53E-05	1.11E-05	8.69E-05	8.32E-06	5.19E-11	2.04E-07	3.04E-07	8.83E-06	1.06E-05	5.13E-05	1.53E-05	1.11E-05	8.83E-05
3329	495863.09	3847877.25	0.0024	0.00169	0.0025	0.00357	8.96E-06	5.04E-05	1.59E-05	1.13E-05	8.65E-05	8.15E-06	5.10E-11	2.12E-07	3.07E-07	8.67E-06	1.04E-05	5.04E-05	1.59E-05	1.13E-05	8.79E-05
3330	496363.09	3847877.25	0.00285	0.00192	0.003	0.0038	1.06E-05	5.73E-05	1.89E-05	1.20E-05	9.89E-05	9.68E-06	5.80E-11	2.53E-07	3.27E-07	1.03E-05	1.23E-05	5.73E-05	1.89E-05	1.20E-05	1.01E-04
3331	496863.09	3847877.25	0.00316	0.00207	0.0033	0.00395	1.18E-05	6.18E-05	2.10E-05	1.25E-05	1.07E-04	1.07E-05	6.25E-11	2.80E-07	3.40E-07	1.13E-05	1.36E-05	6.18E-05	2.10E-05	1.25E-05	1.09E-04
3332	497363.09	3847877.25	0.00356	0.00227	0.0036	0.00411	1.33E-05	6.77E-05	2.30E-05	1.30E-05	1.17E-04	1.21E-05	6.86E-11	3.07E-07	3.54E-07	1.27E-05	1.54E-05	6.77E-05	2.30E-05	1.30E-05	1.19E-04
3333	497863.09	3847877.25	0.00426	0.00261	0.0041	0.00432	1.59E-05	7.79E-05	2.64E-05	1.36E-05	1.34E-04	1.45E-05	7.88E-11	3.52E-07	3.72E-07	1.52E-05	1.84E-05	7.79E-05	2.64E-05	1.36E-05	1.36E-04
3334	498363.09	3847877.25	0.00468	0.00279	0.0044	0.00449	1.75E-05	8.32E-05	2.81E-05	1.42E-05	1.43E-04	1.59E-05	8.43E-11	3.74E-07	3.87E-07	1.66E-05	2.02E-05	8.32E-05	2.81E-05	1.42E-05	1.46E-04
3335	471363.09	3848377.25	0.00683	0.00458	0.0016	0.00221	2.55E-05	1.37E-04	1.04E-05	6.98E-06	1.79E-04	2.32E-05	1.38E-10	1.39E-07	1.90E-07	2.35E-05	2.95E-05	1.37E-04	1.04E-05	6.98E-06	1.83E-04
3336	471863.09	3848377.25	0.00724	0.0046	0.0017	0.00223	2.70E-05	1.37E-04	1.08E-05	7.04E-06	1.82E-04	2.46E-05	1.39E-10	1.44E-07	1.92E-07	2.49E-05	3.12E-05	1.37E-04	1.08E-05	7.04E-06	1.86E-04
3337	472363.09	3848377.25	0.0073	0.00462	0.0017	0.00225	2.72E-05	1.38E-04	1.09E-05	7.10E-06	1.83E-04	2.48E-05	1.40E-10	1.45E-07	1.94E-07	2.51E-05	3.15E-05	1.38E-04	1.09E-05	7.10E-06	1.87E-04
3338	472863.09	3848377.25	0.00731	0.00472	0.0017	0.00227	2.73E-05	1.41E-04	1.08E-05	7.17E-06	1.86E-04	2.48E-05	1.43E-10	1.45E-07	1.95E-07	2.52E-05	3.15E-05	1.41E-04	1.08E-05	7.17E-06	1.90E-04
3339	473363.09	3848377.25	0.0074	0.00466	0.0017	0.0023	2.76E-05	1.39E-04	1.07E-05	7.26E-06	1.85E-04	2.51E-05	1.41E-10	1.42E-07	1.98E-07	2.55E-05	3.19E-05	1.39E-04	1.07E-05	7.26E-06	1.89E-04
3340	473863.09	3848377.25	0.00743	0.00452	0.0016	0.00232	2.77E-05	1.35E-04	1.05E-05	7.33E-06	1.80E-04	2.52E-05	1.36E-10	1.39E-07	2.00E-07	2.56E-05	3.21E-05	1.35E-04	1.05E-05	7.33E-06	1.85E-04
3341	474363.09	3848377.25	0.00725	0.00417	0.0016	0.00233	2.71E-05	1.24E-04	1.05E-05	7.36E-06	1.69E-04	2.46E-05	1.26E-10	1.39E-07	2.01E-07	2.50E-05	3.13E-05	1.24E-04	1.05E-05	7.36E-06	1.74E-04
3342	474863.09	3848377.25	0.00671	0.00353	0.0017	0.0023	2.50E-05	1.05E-04	1.07E-05	7.26E-06	1.48E-04	2.28E-05	1.07E-10	1.42E-07	1.98E-07	2.31E-05	2.90E-05	1.05E-04	1.07E-05	7.26E-06	1.52E-04
3343	475363.09	3848377.25	0.00696	0.00428	0.0017	0.00228	2.60E-05	1.28E-04	1.10E-05	7.20E-06	1.72E-04	2.36E-05	1.29E-10	1.47E-07	1.96E-07	2.40E-05	3.00E-05	1.28E-04	1.10E-05	7.20E-06	1.76E-04
3344	475863.09	3848377.25	0.00642	0.00433	0.0018	0.00224	2.40E-05	1.29E-04	1.14E-05	7.07E-06	1.72E-04	2.18E-05	1.31E-10	1.51E-07	1.93E-07	2.21E-05	2.77E-05	1.29E-04	1.14E-05	7.07E-06	1.75E-04
3345	476363.09	3848377.25	0.00556	0.00426	0.0018	0.00223	2.07E-05	1.27E-04	1.14E-05	7.04E-06	1.66E-04	1.89E-05	1.29E-10	1.52E-07	1.92E-07	1.92E-05	2.40E-05	1.27E-04	1.14E-05	7.04E-06	1.70E-04
3346	476863.09	3848377.25	0.00663	0.00578	0.0018	0.00234	2.47E-05	1.72E-04	1.15E-05	7.39E-06	2.16E-04	2.25E-05	1.75E-10	1.53E-07	2.01E-07	2.29E-05	2.86E-05	1.72E-04	1.15E-05	7.39E-06	2.20E-04
3347	477363.09	3848377.25	0.00786	0.00519	0.0018	0.00248	2.93E-05	1.55E-04	1.13E-05	7.83E-06	2.03E-04	2.67E-05	1.57E-10	1.51E-07	2.14E-07	2.70E-05	3.39E-05	1.55E-04	1.13E-05	7.83E-06	2.08E-04
3348	477863.09	3848377.25	0.01061	0.00494	0.0018	0.00254	3.96E-05	1.47E-04	1.12E-05	8.02E-06	2.06E-04	3.60E-05	1.49E-10	1.49E-07	2.19E-07	3.64E-05	4.58E-05	1.47E-04	1.12E-05	8.02E-06	2.12E-04
3349	478363.09	3848377.25	0.0109	0.00417	0.0018	0.00253	4.07E-05	1.24E-04	1.12E-05	7.99E-06	1.84E-04	3.70E-05	1.26E-10	1.50E-07	2.18E-07	3.74E-05	4.70E-05	1.24E-04	1.12E-05	7.99E-06	1.91E-04
3350	478863.09	3848377.25	0.00978	0.00357	0.002	0.00272	3.65E-05	1.07E-04	1.27E-05	8.59E-06	1.64E-04	3.32E-05	1.08E-10	1.69E-07	2.34E-07	3.36E-05	4.22E-05	1.07E-04	1.27E-05	8.59E-06	1.70E-04
3351	479363.09	3848377.25	0.00606	0.00278	0.0023	0.00256	2.26E-05	8.29E-05	1.44E-05	8.08E-06	1.28E-04	2.06E-05	8.40E-11	1.91E-07	2.20E-07	2.10E-05	2.61E-05	8.29E-05	1.44E-05	8.08E-06	1.32E-04

3352	479863.09	3848377.25	0.00231	0.00153	0.0017	0.00234	8.62E-06	4.56E-05	1.11E-05	7.39E-06	7.28E-05	7.84E-06	4.62E-11	1.48E-07	2.01E-07	8.19E-06	9.97E-06	4.56E-05	1.11E-05	7.39E-06	7.41E-05
3353	480363.09	3848377.25	0.00307	0.00182	0.0019	0.00245	1.15E-05	5.43E-05	1.22E-05	7.74E-06	8.57E-05	1.04E-05	5.50E-11	1.63E-07	2.11E-07	1.08E-05	1.32E-05	5.43E-05	1.22E-05	7.74E-06	8.75E-05
3354	480863.09	3848377.25	0.004	0.00218	0.0021	0.00258	1.49E-05	6.50E-05	1.35E-05	8.15E-06	1.02E-04	1.36E-05	6.58E-11	1.79E-07	2.22E-07	1.40E-05	1.73E-05	6.50E-05	1.35E-05	8.15E-06	1.04E-04
3355	481363.09	3848377.25	0.0042	0.00219	0.002	0.0027	1.57E-05	6.53E-05	1.30E-05	8.52E-06	1.03E-04	1.43E-05	6.61E-11	1.73E-07	2.32E-07	1.47E-05	1.81E-05	6.53E-05	1.30E-05	8.52E-06	1.05E-04
3356	481863.09	3848377.25	0.00419	0.00221	0.0021	0.0028	1.56E-05	6.59E-05	1.36E-05	8.84E-06	1.04E-04	1.42E-05	6.67E-11	1.81E-07	2.41E-07	1.46E-05	1.81E-05	6.59E-05	1.36E-05	8.84E-06	1.06E-04
3357	482363.09	3848377.25	0.00395	0.00218	0.0022	0.00276	1.47E-05	6.50E-05	1.42E-05	8.71E-06	1.03E-04	1.34E-05	6.58E-11	1.89E-07	2.38E-07	1.38E-05	1.70E-05	6.50E-05	1.42E-05	8.71E-06	1.05E-04
3358	482863.09	3848377.25	0.00334	0.00197	0.0023	0.00269	1.25E-05	5.88E-05	1.44E-05	8.49E-06	9.41E-05	1.13E-05	5.95E-11	1.91E-07	2.32E-07	1.18E-05	1.44E-05	5.88E-05	1.44E-05	8.49E-06	9.60E-05
3359	483363.09	3848377.25	0.00326	0.00192	0.0024	0.00268	1.22E-05	5.73E-05	1.54E-05	8.46E-06	9.33E-05	1.11E-05	5.80E-11	2.05E-07	2.31E-07	1.15E-05	1.41E-05	5.73E-05	1.54E-05	8.46E-06	9.52E-05
3360	483863.09	3848377.25	0.00311	0.00179	0.0026	0.00271	1.16E-05	5.34E-05	1.68E-05	8.56E-06	9.03E-05	1.06E-05	5.41E-11	2.24E-07	2.33E-07	1.10E-05	1.34E-05	5.34E-05	1.68E-05	8.56E-06	9.22E-05
3361	484363.09	3848377.25	0.00296	0.00175	0.003	0.00277	1.10E-05	5.22E-05	1.90E-05	8.75E-06	9.10E-05	1.00E-05	5.28E-11	2.53E-07	2.39E-07	1.05E-05	1.28E-05	5.22E-05	1.90E-05	8.75E-06	9.27E-05
3362	484863.09	3848377.25	0.00312	0.00185	0.0035	0.00283	1.16E-05	5.52E-05	2.23E-05	8.94E-06	9.80E-05	1.06E-05	5.59E-11	2.97E-07	2.44E-07	1.11E-05	1.35E-05	5.52E-05	2.23E-05	8.94E-06	9.99E-05
3363	485363.09	3848377.25	0.00302	0.0018	0.0037	0.00282	1.13E-05	5.37E-05	2.33E-05	8.90E-06	9.72E-05	1.03E-05	5.44E-11	3.11E-07	2.43E-07	1.08E-05	1.30E-05	5.37E-05	2.33E-05	8.90E-06	9.90E-05
3364	485863.09	3848377.25	0.00275	0.00172	0.0034	0.00277	1.03E-05	5.13E-05	2.17E-05	8.75E-06	9.20E-05	9.34E-06	5.19E-11	2.89E-07	2.39E-07	9.86E-06	1.19E-05	5.13E-05	2.17E-05	8.75E-06	9.36E-05
3365	486363.09	3848377.25	0.0025	0.00169	0.0028	0.00272	9.33E-06	5.04E-05	1.77E-05	8.59E-06	8.60E-05	8.49E-06	5.10E-11	2.36E-07	2.34E-07	8.96E-06	1.08E-05	5.04E-05	1.77E-05	8.59E-06	8.75E-05
3366	486863.09	3848377.25	0.00241	0.00166	0.0024	0.0027	8.99E-06	4.95E-05	1.52E-05	8.52E-06	8.22E-05	8.18E-06	5.01E-11	2.02E-07	2.32E-07	8.62E-06	1.04E-05	4.95E-05	1.52E-05	8.52E-06	8.36E-05
3367	487363.09	3848377.25	0.00218	0.00152	0.0021	0.0027	8.13E-06	4.53E-05	1.37E-05	8.52E-06	7.57E-05	7.40E-06	4.59E-11	1.82E-07	2.32E-07	7.82E-06	9.41E-06	4.53E-05	1.37E-05	8.52E-06	7.69E-05
3368	487863.09	3848377.25	0.0021	0.00148	0.0021	0.00272	7.84E-06	4.42E-05	1.35E-05	8.59E-06	7.41E-05	7.13E-06	4.47E-11	1.80E-07	2.34E-07	7.54E-06	9.06E-06	4.42E-05	1.35E-05	8.59E-06	7.53E-05
3369	488363.09	3848377.25	0.00206	0.00149	0.0024	0.00275	7.69E-06	4.45E-05	1.51E-05	8.68E-06	7.59E-05	6.99E-06	4.50E-11	2.02E-07	2.37E-07	7.43E-06	8.89E-06	4.45E-05	1.51E-05	8.68E-06	7.71E-05
3370	488863.09	3848377.25	0.00206	0.00149	0.0027	0.0028	7.69E-06	4.45E-05	1.72E-05	8.84E-06	7.82E-05	6.99E-06	4.50E-11	2.30E-07	2.41E-07	7.46E-06	8.89E-06	4.45E-05	1.72E-05	8.84E-06	7.94E-05
3371	489363.09	3848377.25	0.00208	0.00151	0.0029	0.00285	7.76E-06	4.50E-05	1.86E-05	9.00E-06	8.04E-05	7.06E-06	4.56E-11	2.48E-07	2.45E-07	7.56E-06	8.98E-06	4.50E-05	1.86E-05	9.00E-06	8.16E-05
3372	489863.09	3848377.25	0.00217	0.0016	0.0029	0.00295	8.10E-06	4.77E-05	1.85E-05	9.31E-06	8.36E-05	7.37E-06	4.83E-11	2.47E-07	2.54E-07	7.87E-06	9.36E-06	4.77E-05	1.85E-05	9.31E-06	8.49E-05
3373	490363.09	3848377.25	0.00225	0.0016	0.0027	0.00303	8.40E-06	4.77E-05	1.73E-05	9.57E-06	8.30E-05	7.64E-06	4.83E-11	2.31E-07	2.61E-07	8.13E-06	9.71E-06	4.77E-05	1.73E-05	9.57E-06	8.44E-05
3374	490863.09	3848377.25	0.00225	0.00159	0.0026	0.00311	8.40E-06	4.74E-05	1.68E-05	9.82E-06	8.24E-05	7.64E-06	4.80E-11	2.24E-07	2.68E-07	8.13E-06	9.71E-06	4.74E-05	1.68E-05	9.82E-06	8.37E-05
3375	491363.09	3848377.25	0.00229	0.00161	0.0027	0.00321	8.55E-06	4.80E-05	1.71E-05	1.01E-05	8.38E-05	7.77E-06	4.86E-11	2.28E-07	2.76E-07	8.28E-06	9.88E-06	4.80E-05	1.71E-05	1.01E-05	8.51E-05
3376	491863.09	3848377.25	0.00235	0.00163	0.0026	0.00333	8.77E-06	4.86E-05	1.67E-05	1.05E-05	8.46E-05	7.98E-06	4.92E-11	2.23E-07	2.87E-07	8.49E-06	1.01E-05	4.86E-05	1.67E-05	1.05E-05	8.60E-05
3377	492363.09	3848377.25	0.00235	0.00161	0.0025	0.00342	8.77E-06	4.80E-05	1.58E-05	1.08E-05	8.34E-05	7.98E-06	4.86E-11	2.11E-07	2.94E-07	8.48E-06	1.01E-05	4.80E-05	1.58E-05	1.08E-05	8.48E-05
3378	492863.09	3848377.25	0.00232	0.00159	0.0023	0.00344	8.66E-06	4.74E-05	1.47E-05	1.09E-05	8.17E-05	7.88E-06	4.80E-11	1.96E-07	2.96E-07	8.37E-06	1.00E-05	4.74E-05	1.47E-05	1.09E-05	8.30E-05
3379	493363.09	3848377.25	0.00237	0.00161	0.0022	0.0035	8.84E-06	4.80E-05	1.39E-05	1.11E-05	8.18E-05	8.05E-06	4.86E-11	1.85E-07	3.01E-07	8.53E-06	1.02E-05	4.80E-05	1.39E-05	1.11E-05	8.32E-05
3380	493863.09	3848377.25	0.0024	0.00165	0.0022	0.00355	8.96E-06	4.92E-05	1.42E-05	1.12E-05	8.36E-05	8.15E-06	4.98E-11	1.90E-07	3.06E-07	8.64E-06	1.04E-05	4.92E-05	1.42E-05	1.12E-05	8.50E-05
3381	494363.09	3848377.25	0.00246	0.00172	0.0022	0.00363	9.18E-06	5.13E-05	1.42E-05	1.15E-05	8.61E-05	8.35E-06	5.19E-11	1.89E-07	3.13E-07	8.85E-06	1.06E-05	5.13E-05	1.42E-05	1.15E-05	8.76E-05
3382	494863.09	3848377.25	0.00263	0.00182	0.0024	0.00375	9.81E-06	5.43E-05	1.50E-05	1.18E-05	9.09E-05	8.93E-06	5.50E-11	2.00E-07	3.23E-07	9.45E-06	1.13E-05	5.43E-05	1.50E-05	1.18E-05	9.25E-05
3383	495363.09	3848377.25	0.00265	0.00183	0.0026	0.00383	9.89E-06	5.46E-05	1.64E-05	1.21E-05	9.30E-05	9.00E-06	5.53E-11	2.19E-07	3.30E-07	9.55E-06	1.14E-05	5.46E-05	1.64E-05	1.21E-05	9.45E-05
3384	495863.09	3848377.25	0.00281	0.00191	0.0028	0.00394	1.05E-05	5.70E-05	1.81E-05	1.24E-05	9.80E-05	9.54E-06	5.77E-11	2.41E-07	3.39E-07	1.01E-05	1.21E-05	5.70E-05	1.81E-05	1.24E-05	9.96E-05
3385	496363.09	3848377.25	0.00315	0.00208	0.0032	0.00412	1.18E-05	6.21E-05	2.05E-05	1.30E-05	1.07E-04	1.07E-05	6.28E-11	2.74E-07	3.55E-07	1.13E-05	1.36E-05	6.21E-05	2.05E-05	1.30E-05	1.09E-04
3386	496863.09	3848377.25	0.0033	0.00217	0.0035	0.00423	1.23E-05	6.47E-05	2.20E-05	1.34E-05	1.12E-04	1.12E-05	6.55E-11	2.93E-07	3.64E-07	1.19E-05	1.42E-05	6.47E-05	2.20E-05	1.34E-05	1.14E-04
3387	497363.09	3848377.25	0.00382	0.00242	0.0039	0.00444	1.43E-05	7.22E-05	2.46E-05	1.40E-05	1.25E-04	1.30E-05	7.31E-11	3.28E-07	3.82E-07	1.37E-05	1.65E-05	7.22E-05	2.46E-05	1.40E-05	1.27E-04
3388	497863.09	3848377.25	0.00518	0.00303	0.0046	0.00478	1.93E-05	9.04E-05	2.91E-05	1.51E-05	1.54E-04	1.76E-05	9.15E-11	3.89E-07	4.12E-07	1.84E-05	2.24E-05	9.04E-05	2.91E-05	1.51E-05	1.57E-04
3389	498363.09	3848377.25	0.00559	0.00317	0.0046	0.00491	2.09E-05	9.46E-05	2.95E-05	1.55E-05	1.60E-04	1.90E-05	9.57E-11	3.94E-07	4.23E-07	1.98E-05	2.41E-05	9.46E-05	2.95E-05	1.55E-05	1.64E-04
3390	471363.09	3848877.25	0.00624	0.00487	0.0016	0.00229	2.33E-05	1.45E-04	9.95E-06	7.23E-06	1.86E-04	2.12E-05	1.47E-10	1.33E-07	1.97E-07	2.15E-05	2.69E-05	1.45E-04	9.95E-06	7.23E-06	1.89E-04
3391	471863.09	3848877.25	0.00693	0.00503	0.0016	0.00231	2.59E-05	1.50E-04	1.05E-05	7.29E-06	1.94E-04	2.35E-05	1.52E-10	1.39E-07	1.99E-07	2.39E-05	2.99E-05	1.50E-04	1.05E-05	7.29E-06	1.98E-04
3392	472363.09	3848877.25	0.00763	0.00507	0.0017	0.00234	2.85E-05	1.51E-04	1.10E-05	7.39E-06	1.98E-04	2.59E-05	1.53E-10	1.46E-07	2.01E-07	2.63E-05	3.29E-05	1.51E-04	1.10E-05	7.39E-06	2.03E-04
3393	472863.09	3848877.25	0.00805	0.00507	0.0018	0.00236	3.00E-05	1.51E-04	1.13E-05	7.45E-06	2.00E-04	2.73E-05	1.53E-10	1.51E-07	2.03E-07	2.77E-05	3.47E-05	1.51E-04	1.13E-05	7.45E-06	2.05E-04
3394	473363.09	3848877.25	0.00815	0.0052	0.0018	0.00239	3.04E-05	1.55E-04	1.14E-05	7.55E-06	2.04E-04	2.77E-05	1.57E-10	1.51E-07	2.06E-07	2.80E-05	3.52E-05	1.55E-04	1.14E-05	7.55E-06	2.09E-04
3395	473863.09	3848877.25	0.0082	0.00516	0.0018	0.00242	3.06E-05	1.54E-04	1.12E-05	7.64E-06	2.03E-04	2.78E-05	1.56E-10	1.50E-07	2.08E-07	2.82E-05	3.54E-05	1.54E-04	1.12E-05	7.64E-06	2.08E-04
3396	474363.09	3848877.25	0.00828	0.00508	0.0017	0.00244	3.09E-05	1.52E-04	1.10E-05	7.70E-06	2.01E-04	2.81E-05	1.53E-10	1.47E-07	2.10E-07	2.85E-05	3.57E-05	1.52E-04	1.10E-05	7.70E-06	2.06E-04
3397	474863.09	3848877.25	0.00808	0.0045	0.0017	0.00246	3.02E-05	1.34E-04	1.10E-05	7.77E-06	1.83E-04	2.74E-05	1.36E-10	1.46E-07	2.12E-07	2.78E-05	3.49E-05	1.34E-04	1.10E-05	7.77E-06	1.88E-04
3398	475363.09	3848877.25	0.00786	0.0043	0.0017	0.00245	2.93E-05	1.28E-04	1.11E-05	7.74E-06	1.76E-04	2.67E-05	1.30E-10	1.48E-07	2.11E-07	2.70E-05	3.39E-05	1.28E-04	1.11E-05	7.74E-06	1.81E-04
3399	475863.09	3848877.25	0.00795	0.00497	0.0018	0.00242	2.97E-05	1.48E-04	1.14E-05	7.64E-06	1.97E-04	2.70E-05	1.50E-10	1.52E-07	2.08E-07	2.74E-05	3.43E-05	1.48E-04	1.14E-05	7.64E-06	2.02E-04
3400	476363.09	3848877.25	0.0076	0.00531	0.0019	0.00239	2.84E-05	1.58E-04	1.18E-05	7.55E-06	2.06E-04	2.58E-05	1.60E-10	1.57E-07	2.06E-07	2.62E-05	3.28E-05	1.58E-04	1.18E-05	7.55E-06	2.11E-04
3401	476863.09	3848877.25	0.00686	0.00541	0.0019	0.00238	2.56E-05	1.61E-04	1.21E-05	7.51E-06	2.07E-04	2.33E-05	1.63E-10	1.61E-07	2.05E-07	2.37E-05	2.96E-05	1.61E-04	1.21E-05	7.51E-06	2.11E-04
3402	477363.09	3848877.25	0.00749	0.00687	0.0019	0.00248	2.79E-05	2.05E-04	1.21E-05	7.83E-06	2.53E-04	2.54E-05	2.07E-10	1.61E-07	2.14E-07	2.58E-05	3.23E-05	2.05E-04	1.21E-05	7.83E-06	2.57E-04
3403	477863.09	3848877.25	0.0089	0.00597	0.0019	0.00263	3.32E-05	1.78E-04	1.19E-05	8.30E-06	2.31E-04	3.02E-05	1.80E-10	1.58E-07	2.26E-07	3.06E-05	3.84E-05	1.78E-04	1.19E-05	8.30E-06	2.37E-04
3404	478363.09	3848877.25	0.01205	0.00559	0.0018	0.00268	4.50E-05	1.67E-04	1.17E-05	8.46E-06	2.32E-04	4.09E-05	1.69E-10	1.56E-07	2.31E-07	4.13E-05	5.20E-05	1.67E-04	1.17E-05	8.46E-06	2.39E-04
3405	478863.09	3848877.25	0.01221	0.00445	0.0019	0.00282	4.56E-05	1.33E-04	1.21E-05	8.90E-06	1.99E-04	4.15E-05	1.34E-10	1.62E-07	2.43E-07	4.19E-05	5.27E-05	1.33E-04	1.21E-05	8.90E-06	2.06E-04
3406	479363.09	3848877.25	0.01021	0.00367	0.0021	0.00294	3.81E-05	1.09E-04	1.34E-05	9.28E-06	1.70E-04	3.47E-05	1.11E-10	1.79E-07	2.53E-07	3.51E-05	4.41E-05	1.09E-04	1.34E-05	9.28E-06	1.76E-04
3407	479863.09	3848877.25	0.00651	0.003	0.0025	0.00275	2.43E-05	8.95E-05	1.58E-05	8.68E-06	1.38E-04	2.21E-05	9.06E-11	2.11E-07	2.37E-07	2.25E-05	2.81E-05	8.95E-05	1.58E-05	8.68E-06	1.42E-04
3408	480363.09	3848877.25	0.00639	0.00286	0.003	0.00273	2.38E-05	8.53E-05	1.94E-05	8.62E-06	1.37E-04	2.17E-05	8.64E-11	2.59E-07	2.35E-07	2.22E-05	2.76E-05	8.53E-05	1.94E-05	8.62E-06	1.41E-04
3409	480863.09	3848877.25	0.00642	0.0029	0.0029	0.00281	2.40E-05	8.65E-05	1.84E-05	8.87E-06	1.38E-04	2.18E-05	8.76E-11	2.45E-07	2.42E-07	2.23E-05	2.77E-05	8.65E-05	1.84E-05	8.87E-06	1.41E-04
3410	481363.09	3848877.25	0.00571	0.00276	0.0023	0.00293	2.13E-05	8.23E-05	1.45E-05	9.25E-06	1.27E-04	1.94E-05	8.33E-11	1.93E-07	2.52E-07	1.98E-05	2.46E-05	8.23E-05	1.45E-05	9.25E-06	1.31E-04
3411	481863.09	3848877.25	0.0051	0.00249	0.0022	0.00295	1.90E-05	7.43E-05	1.41E-05	9.31E-06	1.17E-04	1.73E-05	7.52E-11	1.88E-07	2.54E-07	1.78E-05	2.20E-05	7.43E-05	1.41E-05	9.31E-06	1.20E-04
3412	482363.09	3848877.25	0.00395	0.00222	0.0022	0.00289	1.47E-05	6.62E-05	1.38E-05	9.12E-06	1.04E-04	1.34E-05	6.70E-11	1.84E-07	2.49E-07	1.38E-05	1.70E-05	6.62E-05	1.38E-05	9.12E-06	1.06E-04

3413	482863.09	3848877.25	0.00325	0.00197	0.0022	0.00282	1.21E-05	5.88E-05	1.40E-05	8.90E-06	9.38E-05	1.10E-05	5.95E-11	1.87E-07	2.43E-07	1.15E-05	1.40E-05	5.88E-05	1.40E-05	8.90E-06	9.57E-05
3414	483363.09	3848877.25	0.00291	0.00184	0.0024	0.00279	1.09E-05	5.49E-05	1.51E-05	8.81E-06	8.97E-05	9.88E-06	5.56E-11	2.02E-07	2.40E-07	1.03E-05	1.26E-05	5.49E-05	1.51E-05	8.81E-06	9.14E-05
3415	483863.09	3848877.25	0.00295	0.00178	0.0026	0.00282	1.10E-05	5.31E-05	1.66E-05	8.90E-06	8.97E-05	1.00E-05	5.38E-11	2.22E-07	2.43E-07	1.05E-05	1.27E-05	5.31E-05	1.66E-05	8.90E-06	9.14E-05
3416	484363.09	3848877.25	0.00336	0.0019	0.003	0.00291	1.25E-05	5.67E-05	1.89E-05	9.19E-06	9.74E-05	1.14E-05	5.74E-11	2.53E-07	2.51E-07	1.19E-05	1.45E-05	5.67E-05	1.89E-05	9.19E-06	9.93E-05
3417	484863.09	3848877.25	0.00377	0.00208	0.0035	0.00303	1.41E-05	6.21E-05	2.25E-05	9.57E-06	1.08E-04	1.28E-05	6.28E-11	3.00E-07	2.61E-07	1.34E-05	1.63E-05	6.21E-05	2.25E-05	9.57E-06	1.10E-04
3418	485363.09	3848877.25	0.00361	0.00205	0.0039	0.00303	1.35E-05	6.12E-05	2.51E-05	9.57E-06	1.09E-04	1.23E-05	6.19E-11	3.35E-07	2.61E-07	1.29E-05	1.56E-05	6.12E-05	2.51E-05	9.57E-06	1.11E-04
3419	485863.09	3848877.25	0.00322	0.00193	0.0038	0.00298	1.20E-05	5.76E-05	2.39E-05	9.41E-06	1.03E-04	1.09E-05	5.83E-11	3.19E-07	2.57E-07	1.15E-05	1.39E-05	5.76E-05	2.39E-05	9.41E-06	1.05E-04
3420	486363.09	3848877.25	0.00283	0.00185	0.0031	0.00292	1.06E-05	5.52E-05	1.96E-05	9.22E-06	9.46E-05	9.61E-06	5.59E-11	2.61E-07	2.51E-07	1.01E-05	1.22E-05	5.52E-05	1.96E-05	9.22E-06	9.62E-05
3421	486863.09	3848877.25	0.00266	0.00178	0.0026	0.00288	9.93E-06	5.31E-05	1.63E-05	9.09E-06	8.85E-05	9.03E-06	5.38E-11	2.18E-07	2.48E-07	9.50E-06	1.15E-05	5.31E-05	1.63E-05	9.09E-06	9.00E-05
3422	487363.09	3848877.25	0.00258	0.00172	0.0023	0.00289	9.63E-06	5.13E-05	1.47E-05	9.12E-06	8.48E-05	8.76E-06	5.19E-11	1.96E-07	2.49E-07	9.20E-06	1.11E-05	5.13E-05	1.47E-05	9.12E-06	8.63E-05
3423	487863.09	3848877.25	0.00242	0.00166	0.0023	0.00292	9.03E-06	4.95E-05	1.44E-05	9.22E-06	8.21E-05	8.22E-06	5.01E-11	1.91E-07	2.51E-07	8.66E-06	1.04E-05	4.95E-05	1.44E-05	9.22E-06	8.35E-05
3424	488363.09	3848877.25	0.00241	0.00168	0.0025	0.00297	8.99E-06	5.01E-05	1.60E-05	9.38E-06	8.45E-05	8.18E-06	5.07E-11	2.13E-07	2.56E-07	8.65E-06	1.04E-05	5.01E-05	1.60E-05	9.38E-06	8.59E-05
3425	488863.09	3848877.25	0.0024	0.00167	0.0029	0.00302	8.96E-06	4.98E-05	1.84E-05	9.54E-06	8.67E-05	8.15E-06	5.04E-11	2.45E-07	2.60E-07	8.65E-06	1.04E-05	4.98E-05	1.84E-05	9.54E-06	8.81E-05
3426	489363.09	3848877.25	0.00246	0.00172	0.0032	0.00311	9.18E-06	5.13E-05	2.02E-05	9.82E-06	9.05E-05	8.35E-06	5.19E-11	2.70E-07	2.68E-07	8.89E-06	1.06E-05	5.13E-05	2.02E-05	9.82E-06	9.20E-05
3427	489863.09	3848877.25	0.0026	0.0018	0.0032	0.00322	9.70E-06	5.37E-05	2.02E-05	1.02E-05	9.38E-05	8.83E-06	5.44E-11	2.70E-07	2.77E-07	9.37E-06	1.12E-05	5.37E-05	2.02E-05	1.02E-05	9.53E-05
3428	490363.09	3848877.25	0.00259	0.00177	0.0029	0.00332	9.66E-06	5.28E-05	1.85E-05	1.05E-05	9.14E-05	8.79E-06	5.35E-11	2.47E-07	2.86E-07	9.33E-06	1.12E-05	5.28E-05	1.85E-05	1.05E-05	9.30E-05
3429	490863.09	3848877.25	0.00261	0.00176	0.0029	0.00343	9.74E-06	5.25E-05	1.82E-05	1.08E-05	9.13E-05	8.86E-06	5.31E-11	2.42E-07	2.95E-07	9.40E-06	1.13E-05	5.25E-05	1.82E-05	1.08E-05	9.28E-05
3430	491363.09	3848877.25	0.00266	0.0018	0.0028	0.00355	9.93E-06	5.37E-05	1.81E-05	1.12E-05	9.29E-05	9.03E-06	5.44E-11	2.41E-07	3.06E-07	9.58E-06	1.15E-05	5.37E-05	1.81E-05	1.12E-05	9.44E-05
3431	491863.09	3848877.25	0.00263	0.00179	0.0027	0.00364	9.81E-06	5.34E-05	1.72E-05	1.15E-05	9.19E-05	8.93E-06	5.41E-11	2.30E-07	3.13E-07	9.47E-06	1.13E-05	5.34E-05	1.72E-05	1.15E-05	9.35E-05
3432	492363.09	3848877.25	0.00261	0.00176	0.0025	0.00371	9.74E-06	5.25E-05	1.61E-05	1.17E-05	9.01E-05	8.86E-06	5.31E-11	2.15E-07	3.19E-07	9.40E-06	1.13E-05	5.25E-05	1.61E-05	1.17E-05	9.16E-05
3433	492863.09	3848877.25	0.00251	0.00171	0.0023	0.00372	9.37E-06	5.10E-05	1.46E-05	1.17E-05	8.67E-05	8.52E-06	5.16E-11	1.95E-07	3.20E-07	9.04E-06	1.08E-05	5.10E-05	1.46E-05	1.17E-05	8.82E-05
3434	493363.09	3848877.25	0.00245	0.00169	0.0022	0.00374	9.14E-06	5.04E-05	1.41E-05	1.18E-05	8.55E-05	8.32E-06	5.10E-11	1.88E-07	3.22E-07	8.83E-06	1.06E-05	5.04E-05	1.41E-05	1.18E-05	8.69E-05
3435	493863.09	3848877.25	0.0026	0.00181	0.0023	0.00386	9.70E-06	5.40E-05	1.44E-05	1.22E-05	9.03E-05	8.83E-06	5.47E-11	1.92E-07	3.32E-07	9.35E-06	1.12E-05	5.40E-05	1.44E-05	1.22E-05	9.18E-05
3436	494363.09	3848877.25	0.00274	0.0019	0.0024	0.00399	1.02E-05	5.67E-05	1.51E-05	1.26E-05	9.46E-05	9.30E-06	5.74E-11	2.02E-07	3.44E-07	9.85E-06	1.18E-05	5.67E-05	1.51E-05	1.26E-05	9.62E-05
3437	494863.09	3848877.25	0.00301	0.00203	0.0027	0.00415	1.12E-05	6.06E-05	1.70E-05	1.31E-05	1.02E-04	1.02E-05	6.13E-11	2.26E-07	3.57E-07	1.08E-05	1.30E-05	6.06E-05	1.70E-05	1.31E-05	1.04E-04
3438	495363.09	3848877.25	0.00326	0.00214	0.003	0.00428	1.22E-05	6.38E-05	1.91E-05	1.35E-05	1.09E-04	1.11E-05	6.46E-11	2.55E-07	3.69E-07	1.17E-05	1.41E-05	6.38E-05	1.91E-05	1.35E-05	1.11E-04
3439	495863.09	3848877.25	0.00327	0.00213	0.0032	0.00434	1.22E-05	6.35E-05	2.02E-05	1.37E-05	1.10E-04	1.11E-05	6.43E-11	2.69E-07	3.74E-07	1.17E-05	1.41E-05	6.35E-05	2.02E-05	1.37E-05	1.12E-04
3440	496363.09	3848877.25	0.00352	0.00227	0.0035	0.00449	1.31E-05	6.77E-05	2.20E-05	1.42E-05	1.17E-04	1.20E-05	6.86E-11	2.93E-07	3.87E-07	1.26E-05	1.52E-05	6.77E-05	2.20E-05	1.42E-05	1.19E-04
3441	496863.09	3848877.25	0.00408	0.00255	0.0039	0.00472	1.52E-05	7.61E-05	2.49E-05	1.49E-05	1.31E-04	1.39E-05	7.70E-11	3.33E-07	4.06E-07	1.46E-05	1.76E-05	7.61E-05	2.49E-05	1.49E-05	1.34E-04
3442	497363.09	3848877.25	0.00525	0.00306	0.0046	0.00505	1.96E-05	9.13E-05	2.95E-05	1.59E-05	1.56E-04	1.78E-05	9.24E-11	3.94E-07	4.35E-07	1.87E-05	2.27E-05	9.13E-05	2.95E-05	1.59E-05	1.59E-04
3443	497863.09	3848877.25	0.00603	0.00337	0.0048	0.00525	2.25E-05	1.01E-04	3.07E-05	1.66E-05	1.70E-04	2.05E-05	1.02E-10	4.09E-07	4.52E-07	2.13E-05	2.60E-05	1.01E-04	3.07E-05	1.66E-05	1.74E-04
3444	498363.09	3848877.25	0.00676	0.00363	0.0048	0.00542	2.52E-05	1.08E-04	3.05E-05	1.71E-05	1.81E-04	2.30E-05	1.10E-10	4.07E-07	4.67E-07	2.38E-05	2.92E-05	1.08E-04	3.05E-05	1.71E-05	1.85E-04
3445	471363.09	3849377.25	0.00612	0.00498	0.0016	0.00239	2.28E-05	1.49E-04	1.03E-05	7.55E-06	1.89E-04	2.08E-05	1.50E-10	1.37E-07	2.06E-07	2.11E-05	2.64E-05	1.49E-04	1.03E-05	7.55E-06	1.93E-04
3446	471863.09	3849377.25	0.00655	0.00536	0.0016	0.00241	2.44E-05	1.60E-04	1.02E-05	7.61E-06	2.02E-04	2.22E-05	1.62E-10	1.36E-07	2.08E-07	2.26E-05	2.83E-05	1.60E-04	1.02E-05	7.61E-06	2.06E-04
3447	472363.09	3849377.25	0.00709	0.00552	0.0017	0.00243	2.65E-05	1.65E-04	1.05E-05	7.67E-06	2.09E-04	2.41E-05	1.67E-10	1.40E-07	2.09E-07	2.44E-05	3.06E-05	1.65E-04	1.05E-05	7.67E-06	2.13E-04
3448	472863.09	3849377.25	0.00784	0.00563	0.0017	0.00246	2.93E-05	1.68E-04	1.10E-05	7.77E-06	2.16E-04	2.66E-05	1.70E-10	1.47E-07	2.12E-07	2.70E-05	3.38E-05	1.68E-04	1.10E-05	7.77E-06	2.21E-04
3449	473363.09	3849377.25	0.00858	0.00562	0.0018	0.00249	3.20E-05	1.68E-04	1.15E-05	7.86E-06	2.19E-04	2.91E-05	1.70E-10	1.54E-07	2.14E-07	2.95E-05	3.70E-05	1.68E-04	1.15E-05	7.86E-06	2.24E-04
3450	473863.09	3849377.25	0.00902	0.00567	0.0019	0.00252	3.37E-05	1.69E-04	1.19E-05	7.96E-06	2.23E-04	3.06E-05	1.71E-10	1.58E-07	2.17E-07	3.10E-05	3.89E-05	1.69E-04	1.19E-05	7.96E-06	2.28E-04
3451	474363.09	3849377.25	0.00916	0.00572	0.0019	0.00255	3.42E-05	1.71E-04	1.19E-05	8.05E-06	2.25E-04	3.11E-05	1.73E-10	1.58E-07	2.20E-07	3.15E-05	3.95E-05	1.71E-04	1.19E-05	8.05E-06	2.30E-04
3452	474863.09	3849377.25	0.00925	0.00565	0.0018	0.00258	3.45E-05	1.69E-04	1.17E-05	8.15E-06	2.23E-04	3.14E-05	1.71E-10	1.56E-07	2.22E-07	3.18E-05	3.99E-05	1.69E-04	1.17E-05	8.15E-06	2.28E-04
3453	475363.09	3849377.25	0.00927	0.00541	0.0018	0.0026	3.46E-05	1.61E-04	1.15E-05	8.21E-06	2.16E-04	3.15E-05	1.63E-10	1.54E-07	2.24E-07	3.18E-05	4.00E-05	1.61E-04	1.15E-05	8.21E-06	2.21E-04
3454	475863.09	3849377.25	0.00926	0.00556	0.0018	0.0026	3.46E-05	1.66E-04	1.15E-05	8.21E-06	2.20E-04	3.14E-05	1.68E-10	1.54E-07	2.24E-07	3.18E-05	4.00E-05	1.66E-04	1.15E-05	8.21E-06	2.26E-04
3455	476363.09	3849377.25	0.00922	0.00632	0.0019	0.00257	3.44E-05	1.89E-04	1.19E-05	8.11E-06	2.43E-04	3.13E-05	1.91E-10	1.58E-07	2.21E-07	3.17E-05	3.98E-05	1.89E-04	1.19E-05	8.11E-06	2.48E-04
3456	476863.09	3849377.25	0.00903	0.00711	0.0019	0.00254	3.37E-05	2.12E-04	1.22E-05	8.02E-06	2.66E-04	3.07E-05	2.15E-10	1.63E-07	2.19E-07	3.10E-05	3.90E-05	2.12E-04	1.22E-05	8.02E-06	2.71E-04
3457	477363.09	3849377.25	0.00846	0.00741	0.002	0.00254	3.16E-05	2.21E-04	1.26E-05	8.02E-06	2.73E-04	2.87E-05	2.24E-10	1.68E-07	2.19E-07	2.91E-05	3.65E-05	2.21E-04	1.26E-05	8.02E-06	2.78E-04
3458	477863.09	3849377.25	0.00822	0.00719	0.002	0.00265	3.07E-05	2.15E-04	1.26E-05	8.37E-06	2.66E-04	2.79E-05	2.17E-10	1.68E-07	2.28E-07	2.83E-05	3.55E-05	2.15E-04	1.26E-05	8.37E-06	2.71E-04
3459	478363.09	3849377.25	0.00999	0.00681	0.002	0.00278	3.73E-05	2.03E-04	1.24E-05	8.78E-06	2.62E-04	3.39E-05	2.06E-10	1.66E-07	2.39E-07	3.43E-05	4.31E-05	2.03E-04	1.24E-05	8.78E-06	2.67E-04
3460	478863.09	3849377.25	0.01321	0.0057	0.0019	0.00284	4.93E-05	1.70E-04	1.23E-05	8.97E-06	2.41E-04	4.48E-05	1.72E-10	1.64E-07	2.45E-07	4.53E-05	5.70E-05	1.70E-04	1.23E-05	8.97E-06	2.48E-04
3461	479363.09	3849377.25	0.01374	0.00482	0.002	0.00307	5.13E-05	1.44E-04	1.28E-05	9.69E-06	2.18E-04	4.66E-05	1.46E-10	1.70E-07	2.64E-07	4.71E-05	5.93E-05	1.44E-04	1.28E-05	9.69E-06	2.26E-04
3462	479863.09	3849377.25	0.01092	0.00392	0.0022	0.0032	4.07E-05	1.17E-04	1.43E-05	1.01E-05	1.82E-04	3.71E-05	1.18E-10	1.91E-07	2.76E-07	3.75E-05	4.71E-05	1.17E-04	1.43E-05	1.01E-05	1.88E-04
3463	480363.09	3849377.25	0.00933	0.00413	0.003	0.00326	3.48E-05	1.23E-04	1.94E-05	1.03E-05	1.88E-04	3.17E-05	1.25E-10	2.59E-07	2.81E-07	3.22E-05	4.03E-05	1.23E-04	1.94E-05	1.03E-05	1.93E-04
3464	480863.09	3849377.25	0.00857	0.00367	0.0036	0.00307	3.20E-05	1.09E-04	2.32E-05	9.69E-06	1.74E-04	2.91E-05	1.11E-10	3.10E-07	2.64E-07	2.97E-05	3.70E-05	1.09E-04	2.32E-05	9.69E-06	1.79E-04
3465	481363.09	3849377.25	0.00685	0.00312	0.0027	0.00306	2.56E-05	9.31E-05	1.71E-05	9.66E-06	1.45E-04	2.33E-05	9.42E-11	2.28E-07	2.63E-07	2.37E-05	2.96E-05	9.31E-05	1.71E-05	9.66E-06	1.49E-04
3466	481863.09	3849377.25	0.00486	0.00249	0.0023	0.00305	1.81E-05	7.43E-05	1.44E-05	9.63E-06	1.16E-04	1.65E-05	7.52E-11	1.91E-07	2.63E-07	1.70E-05	2.10E-05	7.43E-05	1.44E-05	9.63E-06	1.19E-04
3467	482363.09	3849377.25	0.00411	0.0023	0.0022	0.00303	1.53E-05	6.86E-05	1.41E-05	9.57E-06	1.08E-04	1.40E-05	6.95E-11	1.88E-07	2.61E-07	1.44E-05	1.77E-05	6.86E-05	1.41E-05	9.57E-06	1.10E-04
3468	482863.09	3849377.25	0.00332	0.00202	0.0022	0.00296	1.24E-05	6.03E-05	1.41E-05	9.35E-06	9.61E-05	1.13E-05	6.10E-11	1.88E-07	2.55E-07	1.17E-05	1.43E-05	6.03E-05	1.41E-05	9.35E-06	9.80E-05
3469	483363.09	3849377.25	0.00302	0.0019	0.0024	0.00293	1.13E-05	5.67E-05	1.51E-05	9.25E-06	9.23E-05	1.03E-05	5.74E-11	2.01E-07	2.52E-07	1.07E-05	1.30E-05	5.67E-05	1.51E-05	9.25E-06	9.40E-05
3470	483863.09	3849377.25	0.00271	0.00175	0.0026	0.00294	1.01E-05	5.22E-05	1.64E-05	9.28E-06	8.80E-05	9.20E-06	5.28E-11	2.19E-07	2.53E-07	9.67E-06	1.17E-05	5.22E-05	1.64E-05	9.28E-06	8.96E-05
3471	484363.09	3849377.25	0.00381	0.00208	0.003	0.00309	1.42E-05	6.21E-05	1.89E-05	9.76E-06	1.05E-04	1.29E-05	6.28E-11	2.53E-07	2.66E-07	1.35E-05	1.64E-05	6.21E-05	1.89E-05	9.76E-06	1.07E-04
3472	484863.09	3849377.25	0.00452	0.00233	0.0035	0.00323	1.69E-05	6.95E-05	2.25E-05	1.02E-05	1.19E-04	1.53E-05	7.04E-11	2.99E-07	2.78E-07	1.59E-05	1.95E-05	6.95E-05	2.25E-05	1.02E-05	1.22E-04
3473	485363.09	3849377.25	0.00436	0.00232	0.0042	0.00327	1.63E-05	6.92E-05	2.67E-05	1.03E-05	1.23E-04	1.48E-05	7.01E-11	3.56E-07	2.82E-07	1.54E-05	1.88E-05	6.92E-05	2.67E-05	1.03E-05	1.25E-04

3474	485863.09	3849377.25	0.00315	0.00194	0.0039	0.00315	1.18E-05	5.79E-05	2.46E-05	9.95E-06	1.04E-04	1.07E-05	5.86E-11	3.28E-07	2.71E-07	1.13E-05	1.36E-05	5.79E-05	2.46E-05	9.95E-06	1.06E-04
3475	486363.09	3849377.25	0.00257	0.00175	0.0031	0.00305	9.59E-06	5.22E-05	2.00E-05	9.63E-06	9.14E-05	8.73E-06	5.28E-11	2.66E-07	2.63E-07	9.25E-06	1.11E-05	5.22E-05	2.00E-05	9.63E-06	9.29E-05
3476	486863.09	3849377.25	0.00303	0.00194	0.0028	0.00308	1.13E-05	5.79E-05	1.77E-05	9.72E-06	9.66E-05	1.03E-05	5.86E-11	2.36E-07	2.65E-07	1.08E-05	1.31E-05	5.79E-05	1.77E-05	9.72E-06	9.84E-05
3477	487363.09	3849377.25	0.00297	0.00194	0.0025	0.00313	1.11E-05	5.79E-05	1.59E-05	9.88E-06	9.47E-05	1.01E-05	5.86E-11	2.12E-07	2.70E-07	1.06E-05	1.28E-05	5.79E-05	1.59E-05	9.88E-06	9.65E-05
3478	487863.09	3849377.25	0.0029	0.0019	0.0024	0.00316	1.08E-05	5.67E-05	1.53E-05	9.98E-06	9.28E-05	9.85E-06	5.74E-11	2.04E-07	2.72E-07	1.03E-05	1.25E-05	5.67E-05	1.53E-05	9.98E-06	9.45E-05
3479	488363.09	3849377.25	0.00285	0.00191	0.0027	0.00322	1.06E-05	5.70E-05	1.70E-05	1.02E-05	9.48E-05	9.68E-06	5.77E-11	2.27E-07	2.77E-07	1.02E-05	1.23E-05	5.70E-05	1.70E-05	1.02E-05	9.65E-05
3480	488863.09	3849377.25	0.00294	0.00194	0.0031	0.00333	1.10E-05	5.79E-05	1.96E-05	1.05E-05	9.90E-05	9.98E-06	5.86E-11	2.62E-07	2.87E-07	1.05E-05	1.27E-05	5.79E-05	1.96E-05	1.05E-05	1.01E-04
3481	489363.09	3849377.25	0.00305	0.002	0.0034	0.00345	1.14E-05	5.97E-05	2.14E-05	1.09E-05	1.03E-04	1.04E-05	6.04E-11	2.86E-07	2.97E-07	1.09E-05	1.32E-05	5.97E-05	2.14E-05	1.09E-05	1.05E-04
3482	489863.09	3849377.25	0.00311	0.00203	0.0033	0.00359	1.16E-05	6.06E-05	2.12E-05	1.13E-05	1.05E-04	1.06E-05	6.13E-11	2.82E-07	3.09E-07	1.12E-05	1.34E-05	6.06E-05	2.12E-05	1.13E-05	1.06E-04
3483	490363.09	3849377.25	0.00306	0.00198	0.0031	0.00369	1.14E-05	5.91E-05	1.96E-05	1.17E-05	1.02E-04	1.04E-05	5.98E-11	2.62E-07	3.18E-07	1.10E-05	1.32E-05	5.91E-05	1.96E-05	1.17E-05	1.04E-04
3484	490863.09	3849377.25	0.00311	0.00199	0.0032	0.00381	1.16E-05	5.94E-05	2.02E-05	1.20E-05	1.03E-04	1.06E-05	6.01E-11	2.70E-07	3.28E-07	1.12E-05	1.34E-05	5.94E-05	2.02E-05	1.20E-05	1.05E-04
3485	491363.09	3849377.25	0.00315	0.00205	0.0031	0.00393	1.18E-05	6.12E-05	2.00E-05	1.24E-05	1.05E-04	1.07E-05	6.19E-11	2.66E-07	3.38E-07	1.13E-05	1.36E-05	6.12E-05	2.00E-05	1.24E-05	1.07E-04
3486	491863.09	3849377.25	0.00309	0.00204	0.0028	0.00402	1.15E-05	6.09E-05	1.79E-05	1.27E-05	1.03E-04	1.05E-05	6.16E-11	2.38E-07	3.46E-07	1.11E-05	1.33E-05	6.09E-05	1.79E-05	1.27E-05	1.05E-04
3487	492363.09	3849377.25	0.00305	0.00201	0.0026	0.00411	1.14E-05	6.00E-05	1.66E-05	1.30E-05	1.01E-04	1.04E-05	6.07E-11	2.21E-07	3.54E-07	1.09E-05	1.32E-05	6.00E-05	1.66E-05	1.30E-05	1.03E-04
3488	492863.09	3849377.25	0.00288	0.00193	0.0024	0.00411	1.07E-05	5.76E-05	1.54E-05	1.30E-05	9.67E-05	9.78E-06	5.83E-11	2.05E-07	3.54E-07	1.03E-05	1.24E-05	5.76E-05	1.54E-05	1.30E-05	9.84E-05
3489	493363.09	3849377.25	0.00295	0.00199	0.0024	0.00418	1.10E-05	5.94E-05	1.52E-05	1.32E-05	9.88E-05	1.00E-05	6.01E-11	2.03E-07	3.60E-07	1.06E-05	1.27E-05	5.94E-05	1.52E-05	1.32E-05	1.01E-04
3490	493863.09	3849377.25	0.00308	0.00209	0.0025	0.00431	1.15E-05	6.24E-05	1.57E-05	1.36E-05	1.03E-04	1.05E-05	6.31E-11	2.09E-07	3.71E-07	1.10E-05	1.33E-05	6.24E-05	1.57E-05	1.36E-05	1.05E-04
3491	494363.09	3849377.25	0.00338	0.00223	0.0027	0.00448	1.26E-05	6.65E-05	1.74E-05	1.41E-05	1.11E-04	1.15E-05	6.73E-11	2.32E-07	3.86E-07	1.21E-05	1.46E-05	6.65E-05	1.74E-05	1.41E-05	1.13E-04
3492	494863.09	3849377.25	0.00406	0.00252	0.0033	0.00474	1.51E-05	7.52E-05	2.12E-05	1.50E-05	1.26E-04	1.38E-05	7.61E-11	2.82E-07	4.08E-07	1.45E-05	1.75E-05	7.52E-05	2.12E-05	1.50E-05	1.29E-04
3493	495363.09	3849377.25	0.00448	0.0027	0.0037	0.00489	1.67E-05	8.06E-05	2.37E-05	1.54E-05	1.36E-04	1.52E-05	8.15E-11	3.16E-07	4.21E-07	1.59E-05	1.93E-05	8.06E-05	2.37E-05	1.54E-05	1.39E-04
3494	495863.09	3849377.25	0.00394	0.00247	0.0036	0.00483	1.47E-05	7.37E-05	2.30E-05	1.53E-05	1.27E-04	1.34E-05	7.46E-11	3.06E-07	4.16E-07	1.41E-05	1.70E-05	7.37E-05	2.30E-05	1.53E-05	1.29E-04
3495	496363.09	3849377.25	0.00409	0.00254	0.0039	0.00493	1.53E-05	7.58E-05	2.46E-05	1.56E-05	1.31E-04	1.39E-05	7.67E-11	3.28E-07	4.25E-07	1.46E-05	1.76E-05	7.58E-05	2.46E-05	1.56E-05	1.34E-04
3496	496863.09	3849377.25	0.00549	0.00316	0.0046	0.00536	2.05E-05	9.43E-05	2.94E-05	1.69E-05	1.61E-04	1.86E-05	9.54E-11	3.92E-07	4.62E-07	1.95E-05	2.37E-05	9.43E-05	2.94E-05	1.69E-05	1.64E-04
3497	497363.09	3849377.25	0.00623	0.00344	0.0049	0.00557	2.32E-05	1.03E-04	3.14E-05	1.76E-05	1.75E-04	2.12E-05	1.04E-10	4.18E-07	4.80E-07	2.20E-05	2.69E-05	1.03E-04	3.14E-05	1.76E-05	1.78E-04
3498	497863.09	3849377.25	0.00828	0.0042	0.0052	0.00589	3.09E-05	1.25E-04	3.34E-05	1.86E-05	2.08E-04	2.81E-05	1.27E-10	4.46E-07	5.07E-07	2.91E-05	3.57E-05	1.25E-04	3.34E-05	1.86E-05	2.13E-04
3499	498363.09	3849377.25	0.0083	0.00422	0.0051	0.006	3.10E-05	1.26E-04	3.27E-05	1.89E-05	2.09E-04	2.82E-05	1.27E-10	4.36E-07	5.17E-07	2.91E-05	3.58E-05	1.26E-04	3.27E-05	1.89E-05	2.13E-04
3500	471363.09	3849877.25	0.00564	0.00429	0.0018	0.00248	2.10E-05	1.28E-04	1.15E-05	7.83E-06	1.68E-04	1.91E-05	1.30E-10	1.54E-07	2.14E-07	1.95E-05	2.43E-05	1.28E-04	1.15E-05	7.83E-06	1.72E-04
3501	471863.09	3849877.25	0.00638	0.00514	0.0017	0.00251	2.38E-05	1.53E-04	1.10E-05	7.93E-06	1.96E-04	2.17E-05	1.55E-10	1.47E-07	2.16E-07	2.20E-05	2.75E-05	1.53E-04	1.10E-05	7.93E-06	2.00E-04
3502	472363.09	3849877.25	0.00694	0.00577	0.0017	0.00254	2.59E-05	1.72E-04	1.08E-05	8.02E-06	2.17E-04	2.36E-05	1.74E-10	1.44E-07	2.19E-07	2.39E-05	2.99E-05	1.72E-04	1.08E-05	8.02E-06	2.21E-04
3503	472863.09	3849877.25	0.00744	0.00609	0.0017	0.00257	2.78E-05	1.82E-04	1.08E-05	8.11E-06	2.28E-04	2.53E-05	1.84E-10	1.45E-07	2.21E-07	2.56E-05	3.21E-05	1.82E-04	1.08E-05	8.11E-06	2.33E-04
3504	473363.09	3849877.25	0.00807	0.00617	0.0018	0.0026	3.01E-05	1.84E-04	1.12E-05	8.21E-06	2.34E-04	2.74E-05	1.86E-10	1.50E-07	2.24E-07	2.78E-05	3.48E-05	1.84E-04	1.12E-05	8.21E-06	2.38E-04
3505	473863.09	3849877.25	0.00892	0.00628	0.0018	0.00263	3.33E-05	1.87E-04	1.17E-05	8.30E-06	2.41E-04	3.03E-05	1.90E-10	1.56E-07	2.26E-07	3.07E-05	3.85E-05	1.87E-04	1.17E-05	8.30E-06	2.46E-04
3506	474363.09	3849877.25	0.00973	0.00631	0.0019	0.00266	3.63E-05	1.88E-04	1.22E-05	8.40E-06	2.45E-04	3.30E-05	1.91E-10	1.63E-07	2.29E-07	3.34E-05	4.20E-05	1.88E-04	1.22E-05	8.40E-06	2.51E-04
3507	474863.09	3849877.25	0.01021	0.00636	0.002	0.0027	3.81E-05	1.90E-04	1.24E-05	8.52E-06	2.49E-04	3.47E-05	1.92E-10	1.66E-07	2.32E-07	3.51E-05	4.41E-05	1.90E-04	1.24E-05	8.52E-06	2.55E-04
3508	475363.09	3849877.25	0.0104	0.00622	0.0019	0.00273	3.88E-05	1.86E-04	1.24E-05	8.62E-06	2.45E-04	3.53E-05	1.88E-10	1.65E-07	2.35E-07	3.57E-05	4.49E-05	1.86E-04	1.24E-05	8.62E-06	2.51E-04
3509	475863.09	3849877.25	0.01048	0.00608	0.0019	0.00276	3.91E-05	1.81E-04	1.22E-05	8.71E-06	2.41E-04	3.56E-05	1.84E-10	1.62E-07	2.38E-07	3.60E-05	4.52E-05	1.81E-04	1.22E-05	8.71E-06	2.48E-04
3510	476363.09	3849877.25	0.0105	0.00616	0.0019	0.00276	3.92E-05	1.84E-04	1.21E-05	8.71E-06	2.44E-04	3.56E-05	1.86E-10	1.62E-07	2.38E-07	3.60E-05	4.53E-05	1.84E-04	1.21E-05	8.71E-06	2.50E-04
3511	476863.09	3849877.25	0.01051	0.00715	0.0019	0.00274	3.92E-05	2.13E-04	1.24E-05	8.65E-06	2.74E-04	3.57E-05	2.16E-10	1.65E-07	2.36E-07	3.61E-05	4.54E-05	2.13E-04	1.24E-05	8.65E-06	2.80E-04
3512	477363.09	3849877.25	0.01043	0.00872	0.002	0.00271	3.89E-05	2.60E-04	1.28E-05	8.56E-06	3.20E-04	3.54E-05	2.63E-10	1.70E-07	2.33E-07	3.58E-05	4.50E-05	2.60E-04	1.28E-05	8.56E-06	3.26E-04
3513	477863.09	3849877.25	0.00999	0.00924	0.0021	0.00271	3.73E-05	2.76E-04	1.31E-05	8.56E-06	3.35E-04	3.39E-05	2.79E-10	1.75E-07	2.33E-07	3.43E-05	4.31E-05	2.76E-04	1.31E-05	8.56E-06	3.40E-04
3514	478363.09	3849877.25	0.00952	0.00857	0.0021	0.00281	3.55E-05	2.56E-04	1.33E-05	8.87E-06	3.13E-04	3.23E-05	2.59E-10	1.77E-07	2.42E-07	3.27E-05	4.11E-05	2.56E-04	1.33E-05	8.87E-06	3.19E-04
3515	478863.09	3849877.25	0.01143	0.00823	0.0021	0.00291	4.27E-05	2.46E-04	1.31E-05	9.19E-06	3.10E-04	3.88E-05	2.49E-10	1.74E-07	2.51E-07	3.92E-05	4.93E-05	2.46E-04	1.31E-05	9.19E-06	3.17E-04
3516	479363.09	3849877.25	0.01535	0.00671	0.002	0.00302	5.73E-05	2.00E-04	1.29E-05	9.54E-06	2.80E-04	5.21E-05	2.03E-10	1.73E-07	2.60E-07	5.25E-05	6.62E-05	2.00E-04	1.29E-05	9.54E-06	2.89E-04
3517	479863.09	3849877.25	0.01685	0.00619	0.0021	0.00319	6.29E-05	1.85E-04	1.31E-05	1.01E-05	2.71E-04	5.72E-05	1.87E-10	1.75E-07	2.75E-07	5.77E-05	7.27E-05	1.85E-04	1.31E-05	1.01E-05	2.81E-04
3518	480363.09	3849877.25	0.01376	0.00505	0.0023	0.00333	5.13E-05	1.51E-04	1.49E-05	1.05E-05	2.27E-04	4.67E-05	1.53E-10	1.98E-07	2.87E-07	4.72E-05	5.94E-05	1.51E-04	1.49E-05	1.05E-05	2.35E-04
3519	480863.09	3849877.25	0.00971	0.00405	0.003	0.0032	3.62E-05	1.21E-04	1.93E-05	1.01E-05	1.86E-04	3.30E-05	1.22E-10	2.58E-07	2.76E-07	3.35E-05	4.19E-05	1.21E-04	1.93E-05	1.01E-05	1.92E-04
3520	481363.09	3849877.25	0.00854	0.00362	0.0033	0.00324	3.19E-05	1.08E-04	2.12E-05	1.02E-05	1.71E-04	2.90E-05	1.09E-10	2.82E-07	2.79E-07	2.96E-05	3.69E-05	1.08E-04	2.12E-05	1.02E-05	1.76E-04
3521	481863.09	3849877.25	0.00527	0.00267	0.0025	0.00321	1.97E-05	7.97E-05	1.57E-05	1.01E-05	1.25E-04	1.79E-05	8.06E-11	2.09E-07	2.76E-07	1.84E-05	2.27E-05	7.97E-05	1.57E-05	1.01E-05	1.28E-04
3522	482363.09	3849877.25	0.00428	0.0024	0.0023	0.0032	1.60E-05	7.16E-05	1.47E-05	1.01E-05	1.12E-04	1.45E-05	7.25E-11	1.96E-07	2.76E-07	1.50E-05	1.85E-05	7.16E-05	1.47E-05	1.01E-05	1.15E-04
3523	482863.09	3849877.25	0.00362	0.00217	0.0023	0.00315	1.35E-05	6.47E-05	1.46E-05	9.95E-06	1.03E-04	1.23E-05	6.55E-11	1.95E-07	2.71E-07	1.28E-05	1.56E-05	6.47E-05	1.46E-05	9.95E-06	1.05E-04
3524	483363.09	3849877.25	0.00318	0.00199	0.0024	0.00311	1.19E-05	5.94E-05	1.51E-05	9.82E-06	9.62E-05	1.08E-05	6.01E-11	2.02E-07	2.68E-07	1.13E-05	1.37E-05	5.94E-05	1.51E-05	9.82E-06	9.80E-05
3525	483863.09	3849877.25	0.0032	0.00196	0.0026	0.00314	1.19E-05	5.85E-05	1.66E-05	9.91E-06	9.69E-05	1.09E-05	5.92E-11	2.21E-07	2.70E-07	1.14E-05	1.38E-05	5.85E-05	1.66E-05	9.91E-06	9.88E-05
3526	484363.09	3849877.25	0.00428	0.00226	0.003	0.00327	1.60E-05	6.74E-05	1.91E-05	1.03E-05	1.13E-04	1.45E-05	6.82E-11	2.54E-07	2.82E-07	1.51E-05	1.85E-05	6.74E-05	1.91E-05	1.03E-05	1.15E-04
3527	484863.09	3849877.25	0.00566	0.00266	0.0036	0.00347	2.11E-05	7.94E-05	2.31E-05	1.10E-05	1.35E-04	1.92E-05	8.03E-11	3.08E-07	2.99E-07	1.98E-05	2.44E-05	7.94E-05	2.31E-05	1.10E-05	1.38E-04
3528	485363.09	3849877.25	0.00499	0.00257	0.0043	0.00352	1.86E-05	7.67E-05	2.72E-05	1.11E-05	1.34E-04	1.69E-05	7.76E-11	3.62E-07	3.03E-07	1.76E-05	2.15E-05	7.67E-05	2.72E-05	1.11E-05	1.36E-04
3529	485863.09	3849877.25	0.00389	0.00226	0.0043	0.00344	1.45E-05	6.74E-05	2.72E-05	1.09E-05	1.20E-04	1.32E-05	6.82E-11	3.63E-07	2.96E-07	1.39E-05	1.68E-05	6.74E-05	2.72E-05	1.09E-05	1.22E-04
3530	486363.09	3849877.25	0.00347	0.00212	0.0037	0.00337	1.29E-05	6.32E-05	2.37E-05	1.06E-05	1.11E-04	1.18E-05	6.40E-11	3.16E-07	2.90E-07	1.24E-05	1.50E-05	6.32E-05	2.37E-05	1.06E-05	1.13E-04
3531	486863.09	3849877.25	0.00379	0.00229	0.0032	0.00338	1.41E-05	6.83E-05	2.01E-05	1.07E-05	1.13E-04	1.29E-05	6.92E-11	2.68E-07	2.91E-07	1.34E-05	1.64E-05	6.83E-05	2.01E-05	1.07E-05	1.15E-04
3532	487363.09	3849877.25	0.00359	0.00227	0.0027	0.00343	1.34E-05	6.77E-05	1.73E-05	1.08E-05	1.09E-04	1.22E-05	6.86E-11	2.30E-07	2.95E-07	1.27E-05	1.55E-05	6.77E-05	1.73E-05	1.08E-05	1.11E-04
3533	487863.09	3849877.25	0.00347	0.00218	0.0026	0.00347	1.29E-05	6.50E-05	1.64E-05	1.10E-05	1.05E-04	1.18E-05	6.58E-11	2.19E-07	2.99E-07	1.23E-05	1.50E-05	6.50E-05	1.64E-05	1.10E-05	1.07E-04
3534	488363.09	3849877.25	0.00348	0.00221	0.0029	0.00356	1.30E-05	6.59E-05	1.82E-05	1.12E-05	1.08E-04	1.18E-05	6.67E-11	2.42E-07	3.07E-07	1.24E-05	1.50E-05	6.59E-05	1.82E-05	1.12E-05	1.10E-04

3535	488863.09	3849877.25	0.00365	0.00228	0.0033	0.00369	1.36E-05	6.80E-05	2.10E-05	1.17E-05	1.14E-04	1.24E-05	6.89E-11	2.80E-07	3.18E-07	1.30E-05	1.58E-05	6.80E-05	2.10E-05	1.17E-05	1.16E-04
3536	489363.09	3849877.25	0.00375	0.00233	0.0036	0.00385	1.40E-05	6.95E-05	2.27E-05	1.22E-05	1.18E-04	1.27E-05	7.04E-11	3.03E-07	3.32E-07	1.34E-05	1.62E-05	6.95E-05	2.27E-05	1.22E-05	1.21E-04
3537	489863.09	3849877.25	0.00374	0.00232	0.0035	0.00406	1.40E-05	6.92E-05	2.23E-05	1.28E-05	1.18E-04	1.27E-05	7.01E-11	2.97E-07	3.50E-07	1.33E-05	1.61E-05	6.92E-05	2.23E-05	1.28E-05	1.20E-04
3538	490363.09	3849877.25	0.0037	0.00227	0.0034	0.00416	1.38E-05	6.77E-05	2.17E-05	1.31E-05	1.16E-04	1.26E-05	6.86E-11	2.89E-07	3.58E-07	1.32E-05	1.60E-05	6.77E-05	2.17E-05	1.31E-05	1.19E-04
3539	490863.09	3849877.25	0.0038	0.00235	0.0035	0.00427	1.42E-05	7.01E-05	2.21E-05	1.35E-05	1.20E-04	1.29E-05	7.10E-11	2.95E-07	3.68E-07	1.36E-05	1.64E-05	7.01E-05	2.21E-05	1.35E-05	1.22E-04
3540	491363.09	3849877.25	0.00386	0.00241	0.0033	0.00439	1.44E-05	7.19E-05	2.13E-05	1.39E-05	1.21E-04	1.31E-05	7.28E-11	2.84E-07	3.78E-07	1.38E-05	1.67E-05	7.19E-05	2.13E-05	1.39E-05	1.24E-04
3541	491863.09	3849877.25	0.00377	0.00241	0.0029	0.0045	1.41E-05	7.19E-05	1.86E-05	1.42E-05	1.19E-04	1.28E-05	7.28E-11	2.47E-07	3.87E-07	1.34E-05	1.63E-05	7.19E-05	1.86E-05	1.42E-05	1.21E-04
3542	492363.09	3849877.25	0.00383	0.0024	0.0027	0.00462	1.43E-05	7.16E-05	1.74E-05	1.46E-05	1.18E-04	1.30E-05	7.25E-11	2.32E-07	3.98E-07	1.36E-05	1.65E-05	7.16E-05	1.74E-05	1.46E-05	1.20E-04
3543	492863.09	3849877.25	0.00376	0.00237	0.0027	0.00469	1.40E-05	7.07E-05	1.72E-05	1.48E-05	1.17E-04	1.28E-05	7.16E-11	2.29E-07	4.04E-07	1.34E-05	1.62E-05	7.07E-05	1.72E-05	1.48E-05	1.19E-04
3544	493363.09	3849877.25	0.00369	0.00239	0.0027	0.00474	1.38E-05	7.13E-05	1.70E-05	1.50E-05	1.17E-04	1.25E-05	7.22E-11	2.27E-07	4.08E-07	1.32E-05	1.59E-05	7.13E-05	1.70E-05	1.50E-05	1.19E-04
3545	493863.09	3849877.25	0.00381	0.00245	0.0028	0.00486	1.42E-05	7.31E-05	1.78E-05	1.53E-05	1.20E-04	1.29E-05	7.40E-11	2.37E-07	4.18E-07	1.36E-05	1.64E-05	7.31E-05	1.78E-05	1.53E-05	1.23E-04
3546	494363.09	3849877.25	0.00477	0.00285	0.0035	0.00517	1.78E-05	8.50E-05	2.20E-05	1.63E-05	1.41E-04	1.62E-05	8.61E-11	2.93E-07	4.45E-07	1.69E-05	2.06E-05	8.50E-05	2.20E-05	1.63E-05	1.44E-04
3547	494863.09	3849877.25	0.00561	0.00322	0.0041	0.00542	2.09E-05	9.61E-05	2.58E-05	1.71E-05	1.60E-04	1.90E-05	9.72E-11	3.44E-07	4.67E-07	1.99E-05	2.42E-05	9.61E-05	2.58E-05	1.71E-05	1.63E-04
3548	495363.09	3849877.25	0.00531	0.0031	0.0042	0.00545	1.98E-05	9.25E-05	2.69E-05	1.72E-05	1.56E-04	1.80E-05	9.36E-11	3.59E-07	4.69E-07	1.89E-05	2.29E-05	9.25E-05	2.69E-05	1.72E-05	1.60E-04
3549	495863.09	3849877.25	0.00633	0.00354	0.0049	0.00573	2.36E-05	1.06E-04	3.12E-05	1.81E-05	1.79E-04	2.15E-05	1.07E-10	4.16E-07	4.93E-07	2.24E-05	2.73E-05	1.06E-04	3.12E-05	1.81E-05	1.82E-04
3550	496363.09	3849877.25	0.00699	0.0038	0.0052	0.00593	2.61E-05	1.13E-04	3.32E-05	1.87E-05	1.91E-04	2.37E-05	1.15E-10	4.43E-07	5.11E-07	2.47E-05	3.02E-05	1.13E-04	3.32E-05	1.87E-05	1.95E-04
3551	496863.09	3849877.25	0.00756	0.00399	0.0053	0.00611	2.82E-05	1.19E-04	3.39E-05	1.93E-05	2.00E-04	2.57E-05	1.20E-10	4.52E-07	5.26E-07	2.66E-05	3.26E-05	1.19E-04	3.39E-05	1.93E-05	2.05E-04
3552	497363.09	3849877.25	0.00926	0.0046	0.0055	0.00638	3.46E-05	1.37E-04	3.52E-05	2.01E-05	2.27E-04	3.14E-05	1.39E-10	4.69E-07	5.49E-07	3.25E-05	4.00E-05	1.37E-04	3.52E-05	2.01E-05	2.33E-04
3553	497863.09	3849877.25	0.01018	0.00491	0.0055	0.00657	3.80E-05	1.46E-04	3.53E-05	2.07E-05	2.40E-04	3.46E-05	1.48E-10	4.70E-07	5.66E-07	3.56E-05	4.39E-05	1.46E-04	3.53E-05	2.07E-05	2.46E-04
3554	498363.09	3849877.25	0.01013	0.00493	0.0057	0.00668	3.78E-05	1.47E-04	3.62E-05	2.11E-05	2.42E-04	3.44E-05	1.49E-10	4.82E-07	5.75E-07	3.54E-05	4.37E-05	1.47E-04	3.62E-05	2.11E-05	2.48E-04
3555	471363.09	3850377.25	0.00503	0.00323	0.002	0.00257	1.88E-05	9.64E-05	1.30E-05	8.11E-06	1.36E-04	1.71E-05	9.75E-11	1.73E-07	2.21E-07	1.75E-05	2.17E-05	9.64E-05	1.30E-05	8.11E-06	1.39E-04
3556	471863.09	3850377.25	0.00603	0.00429	0.002	0.00263	2.25E-05	1.28E-04	1.30E-05	8.30E-06	1.72E-04	2.05E-05	1.30E-10	1.73E-07	2.26E-07	2.09E-05	2.60E-05	1.28E-04	1.30E-05	8.30E-06	1.75E-04
3557	472363.09	3850377.25	0.00655	0.00498	0.0019	0.00266	2.44E-05	1.49E-04	1.24E-05	8.40E-06	1.94E-04	2.22E-05	1.50E-10	1.65E-07	2.29E-07	2.26E-05	2.83E-05	1.49E-04	1.24E-05	8.40E-06	1.98E-04
3558	472863.09	3850377.25	0.00736	0.00613	0.0019	0.0027	2.75E-05	1.83E-04	1.19E-05	8.52E-06	2.31E-04	2.50E-05	1.85E-10	1.58E-07	2.32E-07	2.54E-05	3.18E-05	1.83E-04	1.19E-05	8.52E-06	2.35E-04
3559	473363.09	3850377.25	0.00781	0.0063	0.0018	0.00272	2.91E-05	1.88E-04	1.15E-05	8.59E-06	2.37E-04	2.65E-05	1.90E-10	1.53E-07	2.34E-07	2.69E-05	3.37E-05	1.88E-04	1.15E-05	8.59E-06	2.42E-04
3560	473863.09	3850377.25	0.00844	0.00667	0.0018	0.00275	3.15E-05	1.99E-04	1.15E-05	8.68E-06	2.51E-04	2.87E-05	2.01E-10	1.54E-07	2.37E-07	2.90E-05	3.64E-05	1.99E-04	1.15E-05	8.68E-06	2.56E-04
3561	474363.09	3850377.25	0.00927	0.00697	0.0019	0.00279	3.46E-05	2.08E-04	1.19E-05	8.81E-06	2.63E-04	3.15E-05	2.10E-10	1.59E-07	2.40E-07	3.19E-05	4.00E-05	2.08E-04	1.19E-05	8.81E-06	2.69E-04
3562	474863.09	3850377.25	0.01025	0.00706	0.002	0.00283	3.82E-05	2.11E-04	1.25E-05	8.94E-06	2.70E-04	3.48E-05	2.13E-10	1.67E-07	2.44E-07	3.52E-05	4.42E-05	2.11E-04	1.25E-05	8.94E-06	2.76E-04
3563	475363.09	3850377.25	0.01113	0.00714	0.002	0.00287	4.15E-05	2.13E-04	1.29E-05	9.06E-06	2.77E-04	3.78E-05	2.16E-10	1.73E-07	2.47E-07	3.82E-05	4.80E-05	2.13E-04	1.29E-05	9.06E-06	2.83E-04
3564	475863.09	3850377.25	0.0117	0.00705	0.0021	0.00291	4.37E-05	2.10E-04	1.31E-05	9.19E-06	2.76E-04	3.97E-05	2.13E-10	1.74E-07	2.51E-07	4.01E-05	5.05E-05	2.10E-04	1.31E-05	9.19E-06	2.83E-04
3565	476363.09	3850377.25	0.01193	0.00684	0.002	0.00294	4.45E-05	2.04E-04	1.29E-05	9.28E-06	2.71E-04	4.05E-05	2.07E-10	1.73E-07	2.53E-07	4.09E-05	5.15E-05	2.04E-04	1.29E-05	9.28E-06	2.78E-04
3566	476863.09	3850377.25	0.01202	0.0069	0.002	0.00296	4.49E-05	2.06E-04	1.28E-05	9.35E-06	2.73E-04	4.08E-05	2.08E-10	1.71E-07	2.55E-07	4.12E-05	5.19E-05	2.06E-04	1.28E-05	9.35E-06	2.80E-04
3567	477363.09	3850377.25	0.01206	0.00797	0.002	0.00294	4.50E-05	2.38E-04	1.30E-05	9.28E-06	3.05E-04	4.09E-05	2.41E-10	1.73E-07	2.53E-07	4.14E-05	5.20E-05	2.38E-04	1.30E-05	9.28E-06	3.12E-04
3568	477863.09	3850377.25	0.01201	0.0097	0.0021	0.00291	4.48E-05	2.89E-04	1.34E-05	9.19E-06	3.57E-04	4.08E-05	2.93E-10	1.79E-07	2.51E-07	4.12E-05	5.18E-05	2.89E-04	1.34E-05	9.19E-06	3.64E-04
3569	478363.09	3850377.25	0.01161	0.01025	0.0022	0.00291	4.33E-05	3.06E-04	1.38E-05	9.19E-06	3.72E-04	3.94E-05	3.10E-10	1.84E-07	2.51E-07	3.99E-05	5.01E-05	3.06E-04	1.38E-05	9.19E-06	3.79E-04
3570	478863.09	3850377.25	0.01129	0.01036	0.0022	0.00298	4.21E-05	3.09E-04	1.40E-05	9.41E-06	3.75E-04	3.83E-05	3.13E-10	1.86E-07	2.57E-07	3.88E-05	4.87E-05	3.09E-04	1.40E-05	9.41E-06	3.81E-04
3571	479363.09	3850377.25	0.01317	0.00987	0.0022	0.00306	4.91E-05	2.94E-04	1.39E-05	9.66E-06	3.67E-04	4.47E-05	2.98E-10	1.85E-07	2.63E-07	4.52E-05	5.68E-05	2.94E-04	1.39E-05	9.66E-06	3.75E-04
3572	479863.09	3850377.25	0.0178	0.00814	0.0021	0.0032	6.64E-05	2.43E-04	1.37E-05	1.01E-05	3.33E-04	6.04E-05	2.46E-10	1.82E-07	2.76E-07	6.09E-05	7.68E-05	2.43E-04	1.37E-05	1.01E-05	3.43E-04
3573	480363.09	3850377.25	0.01937	0.00701	0.0022	0.00346	7.23E-05	2.09E-04	1.39E-05	1.09E-05	3.06E-04	6.58E-05	2.12E-10	1.85E-07	2.98E-07	6.62E-05	8.36E-05	2.09E-04	1.39E-05	1.09E-05	3.18E-04
3574	480863.09	3850377.25	0.01673	0.00647	0.0025	0.00355	6.24E-05	1.93E-04	1.57E-05	1.12E-05	2.82E-04	5.68E-05	1.95E-10	2.09E-07	3.06E-07	5.73E-05	7.22E-05	1.93E-04	1.57E-05	1.12E-05	2.92E-04
3575	481363.09	3850377.25	0.01055	0.00425	0.0033	0.00345	3.94E-05	1.27E-04	2.10E-05	1.09E-05	1.98E-04	3.58E-05	1.28E-10	2.80E-07	2.97E-07	3.64E-05	4.55E-05	1.27E-04	2.10E-05	1.09E-05	2.04E-04
3576	481863.09	3850377.25	0.00971	0.00394	0.0038	0.00373	3.62E-05	1.18E-04	2.43E-05	1.18E-05	1.90E-04	3.30E-05	1.19E-10	3.24E-07	3.21E-07	3.36E-05	4.19E-05	1.18E-04	2.43E-05	1.18E-05	1.96E-04
3577	482363.09	3850377.25	0.00861	0.00366	0.003	0.00392	3.21E-05	1.09E-04	1.92E-05	1.24E-05	1.73E-04	2.92E-05	1.11E-10	2.56E-07	3.38E-07	2.98E-05	3.72E-05	1.09E-04	1.92E-05	1.24E-05	1.78E-04
3578	482863.09	3850377.25	0.00562	0.0028	0.0026	0.00348	2.10E-05	8.35E-05	1.63E-05	1.10E-05	1.32E-04	1.91E-05	8.46E-11	2.17E-07	3.00E-07	1.96E-05	2.43E-05	8.35E-05	1.63E-05	1.10E-05	1.35E-04
3579	483363.09	3850377.25	0.00437	0.00243	0.0025	0.00337	1.63E-05	7.25E-05	1.59E-05	1.06E-05	1.15E-04	1.48E-05	7.34E-11	2.13E-07	2.90E-07	1.53E-05	1.89E-05	7.25E-05	1.59E-05	1.06E-05	1.18E-04
3580	483863.09	3850377.25	0.00466	0.00252	0.0028	0.00341	1.74E-05	7.52E-05	1.77E-05	1.08E-05	1.21E-04	1.58E-05	7.61E-11	2.36E-07	2.94E-07	1.64E-05	2.01E-05	7.52E-05	1.77E-05	1.08E-05	1.24E-04
3581	484363.09	3850377.25	0.00582	0.00274	0.0033	0.00353	2.17E-05	8.17E-05	2.10E-05	1.11E-05	1.36E-04	1.98E-05	8.27E-11	2.80E-07	3.04E-07	2.03E-05	2.51E-05	8.17E-05	2.10E-05	1.11E-05	1.39E-04
3582	484863.09	3850377.25	0.00691	0.00299	0.0036	0.00374	2.58E-05	8.92E-05	2.30E-05	1.18E-05	1.50E-04	2.35E-05	9.03E-11	3.07E-07	3.22E-07	2.41E-05	2.98E-05	8.92E-05	2.30E-05	1.18E-05	1.54E-04
3583	485363.09	3850377.25	0.00639	0.00303	0.0044	0.00389	2.38E-05	9.04E-05	2.83E-05	1.23E-05	1.55E-04	2.17E-05	9.15E-11	3.78E-07	3.35E-07	2.24E-05	2.76E-05	9.04E-05	2.83E-05	1.23E-05	1.59E-04
3584	485863.09	3850377.25	0.00535	0.00277	0.005	0.00384	2.00E-05	8.26E-05	3.20E-05	1.21E-05	1.47E-04	1.82E-05	8.36E-11	4.26E-07	3.31E-07	1.89E-05	2.31E-05	8.26E-05	3.20E-05	1.21E-05	1.50E-04
3585	486363.09	3850377.25	0.00498	0.00268	0.0047	0.00378	1.86E-05	8.00E-05	3.02E-05	1.19E-05	1.41E-04	1.69E-05	8.09E-11	4.02E-07	3.25E-07	1.76E-05	2.15E-05	8.00E-05	3.02E-05	1.19E-05	1.44E-04
3586	486863.09	3850377.25	0.00481	0.00276	0.0039	0.00379	1.79E-05	8.23E-05	2.50E-05	1.20E-05	1.37E-04	1.63E-05	8.33E-11	3.33E-07	3.26E-07	1.70E-05	2.08E-05	8.23E-05	2.50E-05	1.20E-05	1.40E-04
3587	487363.09	3850377.25	0.0044	0.00265	0.003	0.0038	1.64E-05	7.91E-05	1.90E-05	1.20E-05	1.26E-04	1.49E-05	8.00E-11	2.53E-07	3.27E-07	1.55E-05	1.90E-05	7.91E-05	1.90E-05	1.20E-05	1.29E-04
3588	487863.09	3850377.25	0.00429	0.00257	0.0028	0.00386	1.60E-05	7.67E-05	1.76E-05	1.22E-05	1.22E-04	1.46E-05	7.76E-11	2.35E-07	3.32E-07	1.51E-05	1.85E-05	7.67E-05	1.76E-05	1.22E-05	1.25E-04
3589	488363.09	3850377.25	0.00439	0.00262	0.0031	0.00398	1.64E-05	7.82E-05	1.95E-05	1.26E-05	1.27E-04	1.49E-05	7.91E-11	2.59E-07	3.43E-07	1.55E-05	1.89E-05	7.82E-05	1.95E-05	1.26E-05	1.29E-04
3590	488863.09	3850377.25	0.0046	0.00269	0.0035	0.00414	1.72E-05	8.03E-05	2.26E-05	1.31E-05	1.33E-04	1.56E-05	8.12E-11	3.01E-07	3.56E-07	1.63E-05	1.98E-05	8.03E-05	2.26E-05	1.31E-05	1.36E-04
3591	489363.09	3850377.25	0.00463	0.00274	0.0038	0.00439	1.73E-05	8.17E-05	2.41E-05	1.39E-05	1.37E-04	1.57E-05	8.27E-11	3.21E-07	3.78E-07	1.64E-05	2.00E-05	8.17E-05	2.41E-05	1.39E-05	1.40E-04
3592	489863.09	3850377.25	0.00461	0.00272	0.0037	0.00462	1.72E-05	8.11E-05	2.35E-05	1.46E-05	1.36E-04	1.57E-05	8.21E-11	3.13E-07	3.98E-07	1.64E-05	1.99E-05	8.11E-05	2.35E-05	1.46E-05	1.39E-04
3593	490363.09	3850377.25	0.0047	0.00274	0.0037	0.00475	1.75E-05	8.17E-05	2.34E-05	1.50E-05	1.38E-04	1.60E-05	8.27E-11	3.12E-07	4.09E-07	1.67E-05	2.03E-05	8.17E-05	2.34E-05	1.50E-05	1.40E-04
3594	490863.09	3850377.25	0.00474	0.00284	0.0037	0.00483	1.77E-05	8.47E-05	2.37E-05	1.53E-05	1.41E-04	1.61E-05	8.58E-11	3.16E-07	4.16E-07	1.68E-05	2.05E-05	8.47E-05	2.37E-05	1.53E-05	1.44E-04
3595	491363.09	3850377.25	0.00487	0.00292	0.0035	0.00498	1.82E-05	8.71E-05	2.22E-05	1.57E-05	1.43E-04	1.65E-05	8.82E-11	2.96E-07	4.29E-07	1.73E-05	2.10E-05	8.71E-05	2.22E-05	1.57E-05	1.46E-04

3596	491863.09	3850377.25	0.00485	0.0029	0.0031	0.0051	1.81E-05	8.65E-05	2.00E-05	1.61E-05	1.41E-04	1.65E-05	8.76E-11	2.66E-07	4.39E-07	1.72E-05	2.09E-05	8.65E-05	2.00E-05	1.61E-05	1.44E-04
3597	492363.09	3850377.25	0.00481	0.00287	0.0029	0.00524	1.79E-05	8.56E-05	1.88E-05	1.65E-05	1.39E-04	1.63E-05	8.67E-11	2.50E-07	4.51E-07	1.70E-05	2.08E-05	8.56E-05	1.88E-05	1.65E-05	1.42E-04
3598	492863.09	3850377.25	0.00491	0.00295	0.003	0.00539	1.83E-05	8.80E-05	1.89E-05	1.70E-05	1.42E-04	1.67E-05	8.91E-11	2.53E-07	4.64E-07	1.74E-05	2.12E-05	8.80E-05	1.89E-05	1.70E-05	1.45E-04
3599	493363.09	3850377.25	0.00496	0.00297	0.0031	0.00546	1.85E-05	8.86E-05	1.99E-05	1.72E-05	1.44E-04	1.68E-05	8.97E-11	2.65E-07	4.70E-07	1.76E-05	2.14E-05	8.86E-05	1.99E-05	1.72E-05	1.47E-04
3600	493863.09	3850377.25	0.00566	0.00327	0.0036	0.00568	2.11E-05	9.76E-05	2.29E-05	1.79E-05	1.60E-04	1.92E-05	9.87E-11	3.05E-07	4.89E-07	2.00E-05	2.44E-05	9.76E-05	2.29E-05	1.79E-05	1.63E-04
3601	494363.09	3850377.25	0.00633	0.00353	0.0042	0.0059	2.36E-05	1.05E-04	2.65E-05	1.86E-05	1.74E-04	2.15E-05	1.07E-10	3.53E-07	5.08E-07	2.24E-05	2.73E-05	1.05E-04	2.65E-05	1.86E-05	1.78E-04
3602	494863.09	3850377.25	0.00736	0.00395	0.0049	0.00613	2.75E-05	1.18E-04	3.13E-05	1.94E-05	1.96E-04	2.50E-05	1.19E-10	4.17E-07	5.28E-07	2.59E-05	3.18E-05	1.18E-04	3.13E-05	1.94E-05	2.00E-04
3603	495363.09	3850377.25	0.00868	0.00445	0.0055	0.00639	3.24E-05	1.33E-04	3.50E-05	2.02E-05	2.20E-04	2.95E-05	1.34E-10	4.67E-07	5.50E-07	3.05E-05	3.75E-05	1.33E-04	3.50E-05	2.02E-05	2.25E-04
3604	495863.09	3850377.25	0.00871	0.00447	0.0057	0.00655	3.25E-05	1.33E-04	3.62E-05	2.07E-05	2.23E-04	2.96E-05	1.35E-10	4.83E-07	5.64E-07	3.06E-05	3.76E-05	1.33E-04	3.62E-05	2.07E-05	2.28E-04
3605	496363.09	3850377.25	0.0101	0.00493	0.006	0.00679	3.77E-05	1.47E-04	3.81E-05	2.14E-05	2.44E-04	3.43E-05	1.49E-10	5.08E-07	5.85E-07	3.54E-05	4.36E-05	1.47E-04	3.81E-05	2.14E-05	2.50E-04
3606	496863.09	3850377.25	0.01148	0.00539	0.006	0.00702	4.28E-05	1.61E-04	3.80E-05	2.22E-05	2.64E-04	3.90E-05	1.63E-10	5.06E-07	6.04E-07	4.01E-05	4.95E-05	1.61E-04	3.80E-05	2.22E-05	2.70E-04
3607	497363.09	3850377.25	0.01226	0.00566	0.006	0.00722	4.57E-05	1.69E-04	3.81E-05	2.28E-05	2.75E-04	4.16E-05	1.71E-10	5.08E-07	6.22E-07	4.28E-05	5.29E-05	1.69E-04	3.81E-05	2.28E-05	2.83E-04
3608	497863.09	3850377.25	0.01243	0.00578	0.0062	0.00734	4.64E-05	1.72E-04	3.94E-05	2.32E-05	2.81E-04	4.22E-05	1.75E-10	5.26E-07	6.32E-07	4.34E-05	5.36E-05	1.72E-04	3.94E-05	2.32E-05	2.89E-04
3609	498363.09	3850377.25	0.01249	0.00589	0.0066	0.00749	4.66E-05	1.76E-04	4.19E-05	2.36E-05	2.88E-04	4.24E-05	1.78E-10	5.59E-07	6.45E-07	4.36E-05	5.39E-05	1.76E-04	4.19E-05	2.36E-05	2.95E-04
3610	471363.09	3850877.25	0.00664	0.00365	0.0025	0.00276	2.48E-05	1.09E-04	1.61E-05	8.71E-06	1.58E-04	2.25E-05	1.10E-10	2.14E-07	2.38E-07	2.30E-05	2.87E-05	1.09E-04	1.61E-05	8.71E-06	1.62E-04
3611	471863.09	3850877.25	0.00699	0.00411	0.0025	0.00281	2.61E-05	1.23E-04	1.58E-05	8.87E-06	1.73E-04	2.37E-05	1.24E-10	2.11E-07	2.42E-07	2.42E-05	3.02E-05	1.23E-04	1.58E-05	8.87E-06	1.77E-04
3612	472363.09	3850877.25	0.00744	0.00485	0.0024	0.00286	2.78E-05	1.45E-04	1.54E-05	9.03E-06	1.97E-04	2.53E-05	1.46E-10	2.06E-07	2.46E-07	2.57E-05	3.21E-05	1.45E-04	1.54E-05	9.03E-06	2.01E-04
3613	472863.09	3850877.25	0.00778	0.0058	0.0023	0.00288	2.90E-05	1.73E-04	1.46E-05	9.09E-06	2.26E-04	2.64E-05	1.75E-10	1.95E-07	2.48E-07	2.69E-05	3.36E-05	1.73E-04	1.46E-05	9.09E-06	2.30E-04
3614	473363.09	3850877.25	0.00765	0.00568	0.0021	0.00288	2.85E-05	1.69E-04	1.34E-05	9.09E-06	2.20E-04	2.60E-05	1.72E-10	1.79E-07	2.48E-07	2.64E-05	3.30E-05	1.69E-04	1.34E-05	9.09E-06	2.25E-04
3615	473863.09	3850877.25	0.00832	0.00656	0.002	0.00291	3.10E-05	1.96E-04	1.26E-05	9.19E-06	2.49E-04	2.82E-05	1.98E-10	1.68E-07	2.51E-07	2.87E-05	3.59E-05	1.96E-04	1.26E-05	9.19E-06	2.53E-04
3616	474363.09	3850877.25	0.00905	0.00749	0.0019	0.00294	3.38E-05	2.23E-04	1.23E-05	9.28E-06	2.79E-04	3.07E-05	2.26E-10	1.64E-07	2.53E-07	3.11E-05	3.91E-05	2.23E-04	1.23E-05	9.28E-06	2.84E-04
3617	474863.09	3850877.25	0.00978	0.00777	0.0019	0.00298	3.65E-05	2.32E-04	1.23E-05	9.41E-06	2.90E-04	3.32E-05	2.35E-10	1.64E-07	2.57E-07	3.36E-05	4.22E-05	2.32E-04	1.23E-05	9.41E-06	2.96E-04
3618	475363.09	3850877.25	0.01077	0.00795	0.002	0.00302	4.02E-05	2.37E-04	1.28E-05	9.54E-06	3.00E-04	3.66E-05	2.40E-10	1.70E-07	2.60E-07	3.70E-05	4.65E-05	2.37E-04	1.28E-05	9.54E-06	3.06E-04
3619	475863.09	3850877.25	0.0119	0.00805	0.0021	0.00306	4.44E-05	2.40E-04	1.33E-05	9.66E-06	3.08E-04	4.04E-05	2.43E-10	1.78E-07	2.63E-07	4.08E-05	5.13E-05	2.40E-04	1.33E-05	9.66E-06	3.15E-04
3620	476363.09	3850877.25	0.01283	0.00803	0.0022	0.00311	4.79E-05	2.40E-04	1.38E-05	9.82E-06	3.11E-04	4.36E-05	2.42E-10	1.84E-07	2.68E-07	4.40E-05	5.54E-05	2.40E-04	1.38E-05	9.82E-06	3.19E-04
3621	476863.09	3850877.25	0.01353	0.00786	0.0022	0.00315	5.05E-05	2.34E-04	1.38E-05	9.95E-06	3.09E-04	4.59E-05	2.37E-10	1.84E-07	2.71E-07	4.64E-05	5.84E-05	2.34E-04	1.38E-05	9.95E-06	3.17E-04
3622	477363.09	3850877.25	0.01387	0.00789	0.0022	0.00318	5.18E-05	2.35E-04	1.37E-05	1.00E-05	3.11E-04	4.71E-05	2.38E-10	1.83E-07	2.74E-07	4.75E-05	5.99E-05	2.35E-04	1.37E-05	1.00E-05	3.19E-04
3623	477863.09	3850877.25	0.01398	0.00898	0.0022	0.00317	5.22E-05	2.68E-04	1.37E-05	1.00E-05	3.44E-04	4.75E-05	2.71E-10	1.83E-07	2.73E-07	4.79E-05	6.03E-05	2.68E-04	1.37E-05	1.00E-05	3.52E-04
3624	478363.09	3850877.25	0.01397	0.01114	0.0022	0.00314	5.21E-05	3.32E-04	1.41E-05	9.91E-06	4.08E-04	4.74E-05	3.36E-10	1.88E-07	2.70E-07	4.79E-05	6.03E-05	3.32E-04	1.41E-05	9.91E-06	4.17E-04
3625	478863.09	3850877.25	0.01375	0.01269	0.0023	0.00313	5.13E-05	3.79E-04	1.45E-05	9.88E-06	4.54E-04	4.67E-05	3.83E-10	1.94E-07	2.70E-07	4.71E-05	5.93E-05	3.79E-04	1.45E-05	9.88E-06	4.62E-04
3626	479363.09	3850877.25	0.01342	0.01215	0.0023	0.00319	5.01E-05	3.62E-04	1.48E-05	1.01E-05	4.37E-04	4.56E-05	3.67E-10	1.97E-07	2.75E-07	4.60E-05	5.79E-05	3.62E-04	1.48E-05	1.01E-05	4.45E-04
3627	479863.09	3850877.25	0.01518	0.01091	0.0023	0.0033	5.66E-05	3.25E-04	1.47E-05	1.04E-05	4.07E-04	5.15E-05	3.29E-10	1.96E-07	2.84E-07	5.20E-05	6.55E-05	3.25E-04	1.47E-05	1.04E-05	4.16E-04
3628	480363.09	3850877.25	0.02014	0.01052	0.0023	0.00339	7.52E-05	3.14E-04	1.45E-05	1.07E-05	4.14E-04	6.84E-05	3.18E-10	1.94E-07	2.92E-07	6.89E-05	8.69E-05	3.14E-04	1.45E-05	1.07E-05	4.26E-04
3629	480863.09	3850877.25	0.02296	0.00931	0.0023	0.00361	8.57E-05	2.78E-04	1.47E-05	1.14E-05	3.90E-04	7.79E-05	2.81E-10	1.96E-07	3.11E-07	7.85E-05	9.91E-05	2.78E-04	1.47E-05	1.14E-05	4.03E-04
3630	481363.09	3850877.25	0.0194	0.00772	0.0026	0.00378	7.24E-05	2.30E-04	1.65E-05	1.19E-05	3.31E-04	6.59E-05	2.33E-10	2.20E-07	3.25E-07	6.64E-05	8.37E-05	2.30E-04	1.65E-05	1.19E-05	3.42E-04
3631	481863.09	3850877.25	0.01568	0.00628	0.0035	0.00397	5.85E-05	1.87E-04	2.21E-05	1.25E-05	2.81E-04	5.32E-05	1.90E-10	2.95E-07	3.42E-07	5.39E-05	6.77E-05	1.87E-04	2.21E-05	1.25E-05	2.90E-04
3632	482363.09	3850877.25	0.01252	0.00482	0.0038	0.0042	4.67E-05	1.44E-04	2.40E-05	1.33E-05	2.28E-04	4.25E-05	1.46E-10	3.21E-07	3.62E-07	4.32E-05	5.40E-05	1.44E-04	2.40E-05	1.33E-05	2.35E-04
3633	482863.09	3850877.25	0.00988	0.00401	0.0032	0.00431	3.69E-05	1.20E-04	2.02E-05	1.36E-05	1.90E-04	3.35E-05	1.21E-10	2.69E-07	3.71E-07	3.42E-05	4.26E-05	1.20E-04	2.02E-05	1.36E-05	1.96E-04
3634	483363.09	3850877.25	0.00726	0.00327	0.0031	0.00383	2.71E-05	9.76E-05	1.97E-05	1.21E-05	1.56E-04	2.46E-05	9.87E-11	2.63E-07	3.30E-07	2.52E-05	3.13E-05	9.76E-05	1.97E-05	1.21E-05	1.61E-04
3635	483863.09	3850877.25	0.00674	0.00314	0.0034	0.00372	2.52E-05	9.37E-05	2.14E-05	1.17E-05	1.52E-04	2.29E-05	9.48E-11	2.86E-07	3.20E-07	2.35E-05	2.91E-05	9.37E-05	2.14E-05	1.17E-05	1.56E-04
3636	484363.09	3850877.25	0.00812	0.00346	0.0038	0.00386	3.03E-05	1.03E-04	2.43E-05	1.22E-05	1.70E-04	2.76E-05	1.04E-10	3.24E-07	3.32E-07	2.82E-05	3.50E-05	1.03E-04	2.43E-05	1.22E-05	1.75E-04
3637	484863.09	3850877.25	0.00817	0.00332	0.0038	0.00409	3.05E-05	9.90E-05	2.41E-05	1.29E-05	1.67E-04	2.77E-05	1.00E-10	3.21E-07	3.52E-07	2.84E-05	3.53E-05	9.90E-05	2.41E-05	1.29E-05	1.71E-04
3638	485363.09	3850877.25	0.00789	0.00351	0.0045	0.00429	2.94E-05	1.05E-04	2.84E-05	1.35E-05	1.76E-04	2.68E-05	1.06E-10	3.78E-07	3.69E-07	2.75E-05	3.40E-05	1.05E-04	2.84E-05	1.35E-05	1.81E-04
3639	485863.09	3850877.25	0.00647	0.00315	0.0054	0.00421	2.41E-05	9.40E-05	3.41E-05	1.33E-05	1.66E-04	2.20E-05	9.51E-11	4.55E-07	3.63E-07	2.28E-05	2.79E-05	9.40E-05	3.41E-05	1.33E-05	1.69E-04
3640	486363.09	3850877.25	0.00631	0.00321	0.0054	0.00431	2.35E-05	9.58E-05	3.47E-05	1.36E-05	1.68E-04	2.14E-05	9.69E-11	4.63E-07	3.71E-07	2.23E-05	2.72E-05	9.58E-05	3.47E-05	1.36E-05	1.71E-04
3641	486863.09	3850877.25	0.00598	0.00326	0.0047	0.00434	2.23E-05	9.73E-05	2.99E-05	1.37E-05	1.63E-04	2.03E-05	9.84E-11	3.98E-07	3.74E-07	2.11E-05	2.58E-05	9.73E-05	2.99E-05	1.37E-05	1.67E-04
3642	487363.09	3850877.25	0.00537	0.00313	0.0034	0.00426	2.00E-05	9.34E-05	2.15E-05	1.35E-05	1.48E-04	1.82E-05	9.45E-11	2.87E-07	3.67E-07	1.89E-05	2.32E-05	9.34E-05	2.15E-05	1.35E-05	1.51E-04
3643	487863.09	3850877.25	0.00536	0.00306	0.003	0.00433	2.00E-05	9.13E-05	1.90E-05	1.37E-05	1.44E-04	1.82E-05	9.24E-11	2.53E-07	3.73E-07	1.88E-05	2.31E-05	9.13E-05	1.90E-05	1.37E-05	1.47E-04
3644	488363.09	3850877.25	0.0057	0.00315	0.0033	0.00451	2.13E-05	9.40E-05	2.09E-05	1.42E-05	1.50E-04	1.94E-05	9.51E-11	2.79E-07	3.88E-07	2.00E-05	2.46E-05	9.40E-05	2.09E-05	1.42E-05	1.54E-04
3645	488863.09	3850877.25	0.00578	0.00321	0.0038	0.00478	2.16E-05	9.58E-05	2.43E-05	1.51E-05	1.57E-04	1.96E-05	9.69E-11	3.24E-07	4.12E-07	2.04E-05	2.49E-05	9.58E-05	2.43E-05	1.51E-05	1.60E-04
3646	489363.09	3850877.25	0.00586	0.00331	0.0041	0.00508	2.19E-05	9.87E-05	2.61E-05	1.60E-05	1.63E-04	1.99E-05	1.00E-10	3.48E-07	4.37E-07	2.07E-05	2.53E-05	9.87E-05	2.61E-05	1.60E-05	1.66E-04
3647	489863.09	3850877.25	0.00596	0.00333	0.0039	0.0053	2.22E-05	9.93E-05	2.49E-05	1.67E-05	1.63E-04	2.02E-05	1.01E-10	3.33E-07	4.56E-07	2.10E-05	2.57E-05	9.93E-05	2.49E-05	1.67E-05	1.67E-04
3648	490363.09	3850877.25	0.00612	0.00345	0.0041	0.00544	2.28E-05	1.03E-04	2.59E-05	1.72E-05	1.69E-04	2.08E-05	1.04E-10	3.45E-07	4.68E-07	2.16E-05	2.64E-05	1.03E-04	2.59E-05	1.72E-05	1.72E-04
3649	490863.09	3850877.25	0.00638	0.00358	0.004	0.00559	2.38E-05	1.07E-04	2.55E-05	1.76E-05	1.74E-04	2.17E-05	1.08E-10	3.39E-07	4.81E-07	2.25E-05	2.75E-05	1.07E-04	2.55E-05	1.76E-05	1.77E-04
3650	491363.09	3850877.25	0.00653	0.00363	0.0036	0.00574	2.44E-05	1.08E-04	2.30E-05	1.81E-05	1.74E-04	2.22E-05	1.10E-10	3.06E-07	4.94E-07	2.30E-05	2.82E-05	1.08E-04	2.30E-05	1.81E-05	1.78E-04
3651	491863.09	3850877.25	0.00666	0.00364	0.0033	0.0059	2.49E-05	1.09E-04	2.10E-05	1.86E-05	1.73E-04	2.26E-05	1.10E-10	2.80E-07	5.08E-07	2.34E-05	2.87E-05	1.09E-04	2.10E-05	1.86E-05	1.77E-04
3652	492363.09	3850877.25	0.00672	0.00371	0.0033	0.00604	2.51E-05	1.11E-04	2.09E-05	1.91E-05	1.76E-04	2.28E-05	1.12E-10	2.79E-07	5.20E-07	2.36E-05	2.90E-05	1.11E-04	2.09E-05	1.91E-05	1.80E-04
3653	492863.09	3850877.25	0.00696	0.00384	0.0034	0.00622	2.60E-05	1.15E-04	2.17E-05	1.96E-05	1.82E-04	2.36E-05	1.16E-10	2.89E-07	5.36E-07	2.45E-05	3.00E-05	1.15E-04	2.17E-05	1.96E-05	1.86E-04
3654	493363.09	3850877.25	0.0074	0.00401	0.0039	0.00638	2.76E-05	1.20E-04	2.46E-05	2.01E-05	1.92E-04	2.51E-05	1.21E-10	3.28E-07	5.49E-07	2.60E-05	3.19E-05	1.20E-04	2.46E-05	2.01E-05	1.96E-04
3655	493863.09	3850877.25	0.0085	0.0044	0.0046	0.00661	3.17E-05	1.31E-04	2.90E-05	2.09E-05	2.13E-04	2.89E-05	1.33E-10	3.87E-07	5.69E-07	2.98E-05	3.67E-05	1.31E-04	2.90E-05	2.09E-05	2.18E-04
3656	494363.09	3850877.25	0.00928	0.00466	0.0052	0.0068	3.46E-05	1.39E-04	3.32E-05	2.15E-05	2.28E-04	3.15E-05	1.41E-10	4.43E-07	5.86E-07	3.25E-05	4.00E-05	1.39E-04	3.32E-05	2.15E-05	2.34E-04

3657	494863.09	3850877.25	0.01065	0.00515	0.0059	0.00705	3.97E-05	1.54E-04	3.74E-05	2.23E-05	2.53E-04	3.62E-05	1.56E-10	4.99E-07	6.07E-07	3.73E-05	4.60E-05	1.54E-04	3.74E-05	2.23E-05	2.59E-04
3658	495363.09	3850877.25	0.01217	0.00567	0.0064	0.00733	4.54E-05	1.69E-04	4.10E-05	2.31E-05	2.79E-04	4.13E-05	1.71E-10	5.47E-07	6.31E-07	4.25E-05	5.25E-05	1.69E-04	4.10E-05	2.31E-05	2.86E-04
3659	495863.09	3850877.25	0.01279	0.00587	0.0065	0.00753	4.77E-05	1.75E-04	4.14E-05	2.38E-05	2.88E-04	4.34E-05	1.77E-10	5.52E-07	6.48E-07	4.46E-05	5.52E-05	1.75E-04	4.14E-05	2.38E-05	2.95E-04
3660	496363.09	3850877.25	0.01374	0.00619	0.0064	0.00775	5.13E-05	1.85E-04	4.09E-05	2.45E-05	3.01E-04	4.66E-05	1.87E-10	5.45E-07	6.67E-07	4.79E-05	5.93E-05	1.85E-04	4.09E-05	2.45E-05	3.09E-04
3661	496863.09	3850877.25	0.01513	0.00667	0.0066	0.00798	5.65E-05	1.99E-04	4.20E-05	2.52E-05	3.23E-04	5.14E-05	2.01E-10	5.60E-07	6.87E-07	5.26E-05	6.53E-05	1.99E-04	4.20E-05	2.52E-05	3.32E-04
3662	497363.09	3850877.25	0.01542	0.00683	0.0068	0.00811	5.75E-05	2.04E-04	4.34E-05	2.56E-05	3.30E-04	5.24E-05	2.06E-10	5.78E-07	6.98E-07	5.36E-05	6.65E-05	2.04E-04	4.34E-05	2.56E-05	3.39E-04
3663	497863.09	3850877.25	0.01533	0.0069	0.0072	0.0082	5.72E-05	2.06E-04	4.60E-05	2.59E-05	3.35E-04	5.20E-05	2.08E-10	6.13E-07	7.06E-07	5.34E-05	6.62E-05	2.06E-04	4.60E-05	2.59E-05	3.44E-04
3664	498363.09	3850877.25	0.01516	0.00695	0.0077	0.00827	5.66E-05	2.07E-04	4.88E-05	2.61E-05	3.39E-04	5.15E-05	2.10E-10	6.51E-07	7.12E-07	5.28E-05	6.54E-05	2.07E-04	4.88E-05	2.61E-05	3.48E-04
3665	471363.09	3851377.25	0.00743	0.00379	0.003	0.00296	2.77E-05	1.13E-04	1.90E-05	9.35E-06	1.69E-04	2.52E-05	1.14E-10	2.53E-07	2.55E-07	2.57E-05	3.21E-05	1.13E-04	1.90E-05	9.35E-06	1.73E-04
3666	471863.09	3851377.25	0.00878	0.00464	0.0031	0.00305	3.28E-05	1.38E-04	1.95E-05	9.63E-06	2.00E-04	2.98E-05	1.40E-10	2.59E-07	2.63E-07	3.03E-05	3.79E-05	1.38E-04	1.95E-05	9.63E-06	2.05E-04
3667	472363.09	3851377.25	0.00889	0.00482	0.0029	0.00306	3.32E-05	1.44E-04	1.87E-05	9.66E-06	2.05E-04	3.02E-05	1.46E-10	2.49E-07	2.63E-07	3.07E-05	3.84E-05	1.44E-04	1.87E-05	9.66E-06	2.11E-04
3668	472863.09	3851377.25	0.00885	0.00501	0.0028	0.00308	3.30E-05	1.49E-04	1.78E-05	9.72E-06	2.10E-04	3.00E-05	1.51E-10	2.37E-07	2.65E-07	3.05E-05	3.82E-05	1.49E-04	1.78E-05	9.72E-06	2.15E-04
3669	473363.09	3851377.25	0.0081	0.0047	0.0026	0.00306	3.02E-05	1.40E-04	1.64E-05	9.66E-06	1.96E-04	2.75E-05	1.42E-10	2.19E-07	2.63E-07	2.80E-05	3.50E-05	1.40E-04	1.64E-05	9.66E-06	2.01E-04
3670	473863.09	3851377.25	0.00823	0.00517	0.0024	0.00308	3.07E-05	1.54E-04	1.54E-05	9.72E-06	2.10E-04	2.79E-05	1.56E-10	2.05E-07	2.65E-07	2.84E-05	3.55E-05	1.54E-04	1.54E-05	9.72E-06	2.15E-04
3671	474363.09	3851377.25	0.00909	0.00648	0.0023	0.00313	3.39E-05	1.93E-04	1.45E-05	9.88E-06	2.52E-04	3.09E-05	1.96E-10	1.94E-07	2.70E-07	3.13E-05	3.92E-05	1.93E-04	1.45E-05	9.88E-06	2.57E-04
3672	474863.09	3851377.25	0.00979	0.00762	0.0021	0.00316	3.65E-05	2.27E-04	1.37E-05	9.98E-06	2.87E-04	3.32E-05	2.30E-10	1.82E-07	2.72E-07	3.37E-05	4.22E-05	2.27E-04	1.37E-05	9.98E-06	2.93E-04
3673	475363.09	3851377.25	0.0105	0.00837	0.0021	0.00319	3.92E-05	2.50E-04	1.31E-05	1.01E-05	3.12E-04	3.56E-05	2.53E-10	1.75E-07	2.75E-07	3.61E-05	4.53E-05	2.50E-04	1.31E-05	1.01E-05	3.18E-04
3674	475863.09	3851377.25	0.0114	0.00871	0.0021	0.00324	4.25E-05	2.60E-04	1.32E-05	1.02E-05	3.26E-04	3.87E-05	2.63E-10	1.76E-07	2.79E-07	3.92E-05	4.92E-05	2.60E-04	1.32E-05	1.02E-05	3.32E-04
3675	476363.09	3851377.25	0.01265	0.00891	0.0022	0.00329	4.72E-05	2.66E-04	1.37E-05	1.04E-05	3.37E-04	4.29E-05	2.69E-10	1.83E-07	2.83E-07	4.34E-05	5.46E-05	2.66E-04	1.37E-05	1.04E-05	3.45E-04
3676	476863.09	3851377.25	0.01407	0.00866	0.0022	0.00334	5.25E-05	2.58E-04	1.42E-05	1.05E-05	3.36E-04	4.78E-05	2.62E-10	1.90E-07	2.88E-07	4.82E-05	6.07E-05	2.58E-04	1.42E-05	1.05E-05	3.44E-04
3677	477363.09	3851377.25	0.01522	0.00902	0.0023	0.0034	5.68E-05	2.69E-04	1.46E-05	1.07E-05	3.51E-04	5.17E-05	2.72E-10	1.95E-07	2.93E-07	5.22E-05	6.57E-05	2.69E-04	1.46E-05	1.07E-05	3.60E-04
3678	477863.09	3851377.25	0.01605	0.00903	0.0023	0.00344	5.99E-05	2.69E-04	1.47E-05	1.09E-05	3.55E-04	5.45E-05	2.73E-10	1.96E-07	2.96E-07	5.50E-05	6.93E-05	2.69E-04	1.47E-05	1.09E-05	3.64E-04
3679	478363.09	3851377.25	0.01641	0.00999	0.0023	0.00344	6.12E-05	2.98E-04	1.46E-05	1.09E-05	3.85E-04	5.57E-05	3.02E-10	1.95E-07	2.96E-07	5.62E-05	7.08E-05	2.98E-04	1.46E-05	1.09E-05	3.94E-04
3680	478863.09	3851377.25	0.01648	0.01263	0.0023	0.00342	6.15E-05	3.77E-04	1.49E-05	1.08E-05	4.64E-04	5.59E-05	3.81E-10	1.98E-07	2.94E-07	5.64E-05	7.11E-05	3.77E-04	1.49E-05	1.08E-05	4.74E-04
3681	479363.09	3851377.25	0.01633	0.0143	0.0024	0.00341	6.09E-05	4.27E-04	1.54E-05	1.08E-05	5.14E-04	5.54E-05	4.32E-10	2.05E-07	2.94E-07	5.59E-05	7.05E-05	4.27E-04	1.54E-05	1.08E-05	5.23E-04
3682	479863.09	3851377.25	0.01586	0.01409	0.0025	0.00348	5.92E-05	4.20E-04	1.58E-05	1.10E-05	5.06E-04	5.38E-05	4.25E-10	2.10E-07	3.00E-07	5.44E-05	6.84E-05	4.20E-04	1.58E-05	1.10E-05	5.16E-04
3683	480363.09	3851377.25	0.01744	0.01327	0.0025	0.00356	6.51E-05	3.96E-04	1.58E-05	1.12E-05	4.88E-04	5.92E-05	4.01E-10	2.11E-07	3.07E-07	5.97E-05	7.53E-05	3.96E-04	1.58E-05	1.12E-05	4.98E-04
3684	480863.09	3851377.25	0.0235	0.01258	0.0025	0.00372	8.77E-05	3.75E-04	1.56E-05	1.17E-05	4.90E-04	7.98E-05	3.80E-10	2.08E-07	3.20E-07	8.03E-05	1.01E-04	3.75E-04	1.56E-05	1.17E-05	5.04E-04
3685	481363.09	3851377.25	0.02646	0.01081	0.0025	0.00392	9.87E-05	3.22E-04	1.58E-05	1.24E-05	4.49E-04	8.98E-05	3.26E-10	2.10E-07	3.38E-07	9.04E-05	1.14E-04	3.22E-04	1.58E-05	1.24E-05	4.65E-04
3686	481863.09	3851377.25	0.02244	0.00886	0.0028	0.0042	8.37E-05	2.64E-04	1.77E-05	1.33E-05	3.79E-04	7.62E-05	2.68E-10	2.36E-07	3.62E-07	7.68E-05	9.68E-05	2.64E-04	1.77E-05	1.33E-05	3.92E-04
3687	482363.09	3851377.25	0.0191	0.00743	0.0036	0.00454	7.13E-05	2.22E-04	2.32E-05	1.43E-05	3.30E-04	6.48E-05	2.24E-10	3.10E-07	3.91E-07	6.55E-05	8.24E-05	2.22E-04	2.32E-05	1.43E-05	3.42E-04
3688	482863.09	3851377.25	0.01575	0.0056	0.0039	0.00477	5.88E-05	1.67E-04	2.49E-05	1.51E-05	2.66E-04	5.35E-05	1.69E-10	3.33E-07	4.11E-07	5.42E-05	6.80E-05	1.67E-04	2.49E-05	1.51E-05	2.75E-04
3689	483363.09	3851377.25	0.0108	0.00426	0.0032	0.00435	4.03E-05	1.27E-04	2.01E-05	1.37E-05	2.01E-04	3.67E-05	1.29E-10	2.68E-07	3.75E-07	3.73E-05	4.66E-05	1.27E-04	2.01E-05	1.37E-05	2.08E-04
3690	483863.09	3851377.25	0.00915	0.00377	0.0036	0.00414	3.41E-05	1.12E-04	2.28E-05	1.31E-05	1.83E-04	3.11E-05	1.14E-10	3.04E-07	3.56E-07	3.17E-05	3.95E-05	1.12E-04	2.28E-05	1.31E-05	1.88E-04
3691	484363.09	3851377.25	0.01158	0.00445	0.0051	0.0043	4.32E-05	1.33E-04	3.22E-05	1.36E-05	2.22E-04	3.93E-05	1.34E-10	4.29E-07	3.70E-07	4.01E-05	5.00E-05	1.33E-04	3.22E-05	1.36E-05	2.29E-04
3692	484863.09	3851377.25	0.00839	0.00348	0.0038	0.00438	3.13E-05	1.04E-04	2.43E-05	1.38E-05	1.73E-04	2.85E-05	1.05E-10	3.24E-07	3.77E-07	2.92E-05	3.62E-05	1.04E-04	2.43E-05	1.38E-05	1.78E-04
3693	485363.09	3851377.25	0.01041	0.00414	0.0044	0.00474	3.88E-05	1.24E-04	2.83E-05	1.50E-05	2.06E-04	3.53E-05	1.25E-10	3.77E-07	4.08E-07	3.61E-05	4.49E-05	1.24E-04	2.83E-05	1.50E-05	2.12E-04
3694	485863.09	3851377.25	0.00822	0.00375	0.0056	0.00476	3.07E-05	1.12E-04	3.60E-05	1.50E-05	1.94E-04	2.79E-05	1.13E-10	4.80E-07	4.10E-07	2.88E-05	3.55E-05	1.12E-04	3.60E-05	1.50E-05	1.98E-04
3695	486363.09	3851377.25	0.00815	0.00393	0.0063	0.00506	3.04E-05	1.17E-04	4.01E-05	1.60E-05	2.04E-04	2.77E-05	1.19E-10	5.35E-07	4.36E-07	2.86E-05	3.52E-05	1.17E-04	4.01E-05	1.60E-05	2.09E-04
3696	486863.09	3851377.25	0.00751	0.00387	0.0057	0.00497	2.80E-05	1.15E-04	3.64E-05	1.57E-05	1.96E-04	2.55E-05	1.17E-10	4.86E-07	4.28E-07	2.64E-05	3.24E-05	1.15E-04	3.64E-05	1.57E-05	2.00E-04
3697	487363.09	3851377.25	0.00615	0.00354	0.0037	0.00477	2.29E-05	1.06E-04	2.39E-05	1.51E-05	1.67E-04	2.09E-05	1.07E-10	3.18E-07	4.11E-07	2.16E-05	2.65E-05	1.06E-04	2.39E-05	1.51E-05	1.71E-04
3698	487863.09	3851377.25	0.00696	0.00369	0.0032	0.00497	2.60E-05	1.10E-04	2.06E-05	1.57E-05	1.72E-04	2.36E-05	1.11E-10	2.75E-07	4.28E-07	2.43E-05	3.00E-05	1.10E-04	2.06E-05	1.57E-05	1.76E-04
3699	488363.09	3851377.25	0.00746	0.00388	0.0035	0.00531	2.78E-05	1.16E-04	2.26E-05	1.68E-05	1.83E-04	2.53E-05	1.17E-10	3.01E-07	4.57E-07	2.61E-05	3.22E-05	1.16E-04	2.26E-05	1.68E-05	1.87E-04
3700	488863.09	3851377.25	0.00749	0.00403	0.0041	0.00568	2.79E-05	1.20E-04	2.63E-05	1.79E-05	1.92E-04	2.54E-05	1.22E-10	3.50E-07	4.89E-07	2.63E-05	3.23E-05	1.20E-04	2.63E-05	1.79E-05	1.97E-04
3701	489363.09	3851377.25	0.00762	0.00413	0.0044	0.00594	2.84E-05	1.23E-04	2.79E-05	1.88E-05	1.98E-04	2.59E-05	1.25E-10	3.73E-07	5.11E-07	2.68E-05	3.29E-05	1.23E-04	2.79E-05	1.88E-05	2.03E-04
3702	489863.09	3851377.25	0.00784	0.00419	0.0044	0.00613	2.93E-05	1.25E-04	2.82E-05	1.94E-05	2.02E-04	2.66E-05	1.27E-10	3.76E-07	5.28E-07	2.75E-05	3.38E-05	1.25E-04	2.82E-05	1.94E-05	2.06E-04
3703	490363.09	3851377.25	0.00825	0.00437	0.0045	0.00629	3.08E-05	1.30E-04	2.88E-05	1.99E-05	2.10E-04	2.80E-05	1.32E-10	3.84E-07	5.42E-07	2.89E-05	3.56E-05	1.30E-04	2.88E-05	1.99E-05	2.15E-04
3704	490863.09	3851377.25	0.00879	0.00454	0.0042	0.00648	3.28E-05	1.35E-04	2.70E-05	2.05E-05	2.16E-04	2.98E-05	1.37E-10	3.60E-07	5.58E-07	3.08E-05	3.79E-05	1.35E-04	2.70E-05	2.05E-05	2.21E-04
3705	491363.09	3851377.25	0.00907	0.0046	0.0037	0.00667	3.38E-05	1.37E-04	2.37E-05	2.11E-05	2.16E-04	3.08E-05	1.39E-10	3.16E-07	5.74E-07	3.17E-05	3.91E-05	1.37E-04	2.37E-05	2.11E-05	2.21E-04
3706	491863.09	3851377.25	0.00929	0.00469	0.0036	0.00686	3.47E-05	1.40E-04	2.28E-05	2.17E-05	2.19E-04	3.15E-05	1.42E-10	3.04E-07	5.91E-07	3.24E-05	4.01E-05	1.40E-04	2.28E-05	2.17E-05	2.24E-04
3707	492363.09	3851377.25	0.00973	0.0049	0.0036	0.00703	3.63E-05	1.46E-04	2.32E-05	2.22E-05	2.28E-04	3.30E-05	1.48E-10	3.09E-07	6.05E-07	3.39E-05	4.20E-05	1.46E-04	2.32E-05	2.22E-05	2.34E-04
3708	492863.09	3851377.25	0.01005	0.005	0.004	0.00718	3.75E-05	1.49E-04	2.55E-05	2.27E-05	2.35E-04	3.41E-05	1.51E-10	3.40E-07	6.18E-07	3.51E-05	4.34E-05	1.49E-04	2.55E-05	2.27E-05	2.41E-04
3709	493363.09	3851377.25	0.00956	0.00482	0.0047	0.00729	3.57E-05	1.44E-04	2.99E-05	2.30E-05	2.32E-04	3.25E-05	1.46E-10	3.99E-07	6.28E-07	3.35E-05	4.13E-05	1.44E-04	2.99E-05	2.30E-05	2.38E-04
3710	493863.09	3851377.25	0.0109	0.00525	0.0055	0.00755	4.07E-05	1.57E-04	3.48E-05	2.38E-05	2.56E-04	3.70E-05	1.59E-10	4.64E-07	6.50E-07	3.81E-05	4.70E-05	1.57E-04	3.48E-05	2.38E-05	2.62E-04
3711	494363.09	3851377.25	0.0134	0.00608	0.0063	0.00786	5.00E-05	1.81E-04	4.02E-05	2.48E-05	2.96E-04	4.55E-05	1.84E-10	5.37E-07	6.77E-07	4.67E-05	5.78E-05	1.81E-04	4.02E-05	2.48E-05	3.04E-04
3712	494863.09	3851377.25	0.01439	0.00643	0.0069	0.0081	5.37E-05	1.92E-04	4.38E-05	2.56E-05	3.15E-04	4.89E-05	1.94E-10	5.83E-07	6.97E-07	5.01E-05	6.21E-05	1.92E-04	4.38E-05	2.56E-05	3.23E-04
3713	495363.09	3851377.25	0.01703	0.00726	0.0075	0.00849	6.35E-05	2.17E-04	4.80E-05	2.68E-05	3.55E-04	5.78E-05	2.19E-10	6.40E-07	7.31E-07	5.92E-05	7.35E-05	2.17E-04	4.80E-05	2.68E-05	3.65E-04
3714	495863.09	3851377.25	0.01826	0.00767	0.0073	0.00872	6.81E-05	2.29E-04	4.66E-05	2.75E-05	3.71E-04	6.20E-05	2.32E-10	6.21E-07	7.51E-07	6.34E-05	7.88E-05	2.29E-04	4.66E-05	2.75E-05	3.82E-04
3715	496363.09	3851377.25	0.01894	0.00794	0.0073	0.00887	7.07E-05	2.37E-04	4.64E-05	2.80E-05	3.82E-04	6.43E-05	2.40E-10	6.18E-07	7.64E-07	6.57E-05	8.17E-05	2.37E-04	4.64E-05	2.80E-05	3.93E-04
3716	496863.09	3851377.25	0.0192	0.00812	0.0076	0.00897	7.16E-05	2.42E-04	4.83E-05	2.83E-05	3.90E-04	6.52E-05	2.45E-10	6.44E-07	7.72E-07	6.66E-05	8.29E-05	2.42E-04	4.83E-05	2.83E-05	4.02E-04
3717	497363.09	3851377.25	0.01931	0.00827	0.0081	0.00907	7.21E-05	2.47E-04	5.13E-05	2.86E-05	3.99E-04	6.56E-05	2.50E-10	6.85E-07	7.81E-07	6.70E-05	8.33E-05	2.47E-04	5.13E-05	2.86E-05	4.10E-04

3718	497863.09	3851377.25	0.01912	0.00832	0.0085	0.0091	7.13E-05	2.48E-04	5.42E-05	2.87E-05	4.03E-04	6.49E-05	2.51E-10	7.23E-07	7.84E-07	6.64E-05	8.25E-05	2.48E-04	5.42E-05	2.87E-05	4.14E-04
3719	498363.09	3851377.25	0.0182	0.00815	0.0089	0.00908	6.79E-05	2.43E-04	5.67E-05	2.87E-05	3.96E-04	6.18E-05	2.46E-10	7.56E-07	7.82E-07	6.33E-05	7.85E-05	2.43E-04	5.67E-05	2.87E-05	4.07E-04
3720	471363.09	3851877.25	0.00773	0.00419	0.0033	0.00315	2.88E-05	1.25E-04	2.07E-05	9.95E-06	1.85E-04	2.62E-05	1.27E-10	2.76E-07	2.71E-07	2.68E-05	3.34E-05	1.25E-04	2.07E-05	9.95E-06	1.89E-04
3721	471863.09	3851877.25	0.00778	0.00407	0.0033	0.00318	2.90E-05	1.21E-04	2.07E-05	1.00E-05	1.81E-04	2.64E-05	1.23E-10	2.76E-07	2.74E-07	2.70E-05	3.36E-05	1.21E-04	2.07E-05	1.00E-05	1.86E-04
3722	472363.09	3851877.25	0.00879	0.00452	0.0033	0.00325	3.28E-05	1.35E-04	2.13E-05	1.03E-05	1.99E-04	2.98E-05	1.36E-10	2.84E-07	2.80E-07	3.04E-05	3.79E-05	1.35E-04	2.13E-05	1.03E-05	2.04E-04
3723	472863.09	3851877.25	0.00969	0.00501	0.0033	0.00331	3.62E-05	1.49E-04	2.13E-05	1.05E-05	2.17E-04	3.29E-05	1.51E-10	2.84E-07	2.85E-07	3.35E-05	4.18E-05	1.49E-04	2.13E-05	1.05E-05	2.23E-04
3724	473363.09	3851877.25	0.00945	0.0048	0.0032	0.0033	3.53E-05	1.43E-04	2.01E-05	1.04E-05	2.09E-04	3.21E-05	1.45E-10	2.68E-07	2.84E-07	3.26E-05	4.08E-05	1.43E-04	2.01E-05	1.04E-05	2.14E-04
3725	473863.09	3851877.25	0.00962	0.00495	0.003	0.00332	3.59E-05	1.48E-04	1.91E-05	1.05E-05	2.13E-04	3.27E-05	1.49E-10	2.55E-07	2.86E-07	3.32E-05	4.15E-05	1.48E-04	1.91E-05	1.05E-05	2.19E-04
3726	474363.09	3851877.25	0.01049	0.00585	0.0029	0.00338	3.91E-05	1.75E-04	1.85E-05	1.07E-05	2.43E-04	3.56E-05	1.77E-10	2.47E-07	2.91E-07	3.62E-05	4.53E-05	1.75E-04	1.85E-05	1.07E-05	2.49E-04
3727	474863.09	3851877.25	0.01108	0.0071	0.0027	0.00342	4.13E-05	2.12E-04	1.73E-05	1.08E-05	2.81E-04	3.76E-05	2.14E-10	2.31E-07	2.94E-07	3.81E-05	4.78E-05	2.12E-04	1.73E-05	1.08E-05	2.88E-04
3728	475363.09	3851877.25	0.01134	0.00801	0.0025	0.00344	4.23E-05	2.39E-04	1.59E-05	1.09E-05	3.08E-04	3.85E-05	2.42E-10	2.13E-07	2.96E-07	3.90E-05	4.89E-05	2.39E-04	1.59E-05	1.09E-05	3.15E-04
3729	475863.09	3851877.25	0.01164	0.00849	0.0023	0.00346	4.34E-05	2.53E-04	1.47E-05	1.09E-05	3.22E-04	3.95E-05	2.56E-10	1.96E-07	2.98E-07	4.00E-05	5.02E-05	2.53E-04	1.47E-05	1.09E-05	3.29E-04
3730	476363.09	3851877.25	0.01191	0.00804	0.0022	0.0035	4.44E-05	2.40E-04	1.40E-05	1.11E-05	3.09E-04	4.04E-05	2.43E-10	1.87E-07	3.01E-07	4.09E-05	5.14E-05	2.40E-04	1.40E-05	1.11E-05	3.16E-04
3731	476863.09	3851877.25	0.01317	0.00874	0.0022	0.00355	4.91E-05	2.61E-04	1.41E-05	1.12E-05	3.35E-04	4.47E-05	2.64E-10	1.88E-07	3.06E-07	4.52E-05	5.68E-05	2.61E-04	1.41E-05	1.12E-05	3.43E-04
3732	477363.09	3851877.25	0.01496	0.00924	0.0023	0.00362	5.58E-05	2.76E-04	1.47E-05	1.14E-05	3.58E-04	5.08E-05	2.79E-10	1.96E-07	3.12E-07	5.13E-05	6.46E-05	2.76E-04	1.47E-05	1.14E-05	3.66E-04
3733	477863.09	3851877.25	0.01691	0.00929	0.0024	0.00369	6.31E-05	2.77E-04	1.52E-05	1.17E-05	3.67E-04	5.74E-05	2.81E-10	2.03E-07	3.18E-07	5.79E-05	7.30E-05	2.77E-04	1.52E-05	1.17E-05	3.77E-04
3734	478363.09	3851877.25	0.01851	0.0089	0.0024	0.00374	6.91E-05	2.66E-04	1.54E-05	1.18E-05	3.62E-04	6.28E-05	2.69E-10	2.06E-07	3.22E-07	6.34E-05	7.99E-05	2.66E-04	1.54E-05	1.18E-05	3.73E-04
3735	478863.09	3851877.25	0.01947	0.01021	0.0024	0.00377	7.27E-05	3.05E-04	1.55E-05	1.19E-05	4.05E-04	6.61E-05	3.08E-10	2.07E-07	3.25E-07	6.66E-05	8.40E-05	3.05E-04	1.55E-05	1.19E-05	4.16E-04
3736	479363.09	3851877.25	0.01981	0.01397	0.0025	0.00376	7.39E-05	4.17E-04	1.58E-05	1.19E-05	5.18E-04	6.73E-05	4.22E-10	2.10E-07	3.24E-07	6.78E-05	8.55E-05	4.17E-04	1.58E-05	1.19E-05	5.30E-04
3737	479863.09	3851877.25	0.01972	0.01648	0.0026	0.00377	7.36E-05	4.92E-04	1.63E-05	1.19E-05	5.93E-04	6.69E-05	4.98E-10	2.18E-07	3.25E-07	6.75E-05	8.51E-05	4.92E-04	1.63E-05	1.19E-05	6.05E-04
3738	480363.09	3851877.25	0.01924	0.016	0.0026	0.00384	7.18E-05	4.77E-04	1.68E-05	1.21E-05	5.78E-04	6.53E-05	4.83E-10	2.24E-07	3.31E-07	6.59E-05	8.30E-05	4.77E-04	1.68E-05	1.21E-05	5.89E-04
3739	480863.09	3851877.25	0.02045	0.01536	0.0027	0.00396	7.63E-05	4.58E-04	1.70E-05	1.25E-05	5.64E-04	6.94E-05	4.64E-10	2.26E-07	3.41E-07	7.00E-05	8.82E-05	4.58E-04	1.70E-05	1.25E-05	5.76E-04
3740	481363.09	3851877.25	0.02777	0.01458	0.0026	0.00419	1.04E-04	4.35E-04	1.68E-05	1.32E-05	5.69E-04	9.43E-05	4.40E-10	2.25E-07	3.61E-07	9.49E-05	1.20E-04	4.35E-04	1.68E-05	1.32E-05	5.85E-04
3741	481863.09	3851877.25	0.03154	0.01198	0.0027	0.00446	1.18E-04	3.57E-04	1.69E-05	1.41E-05	5.06E-04	1.07E-04	3.62E-10	2.25E-07	3.84E-07	1.08E-04	1.36E-04	3.57E-04	1.69E-05	1.41E-05	5.24E-04
3742	482363.09	3851877.25	0.02466	0.00829	0.0031	0.00493	9.20E-05	2.47E-04	2.00E-05	1.56E-05	3.75E-04	8.37E-05	2.50E-10	2.67E-07	4.25E-07	8.44E-05	1.06E-04	2.47E-04	2.00E-05	1.56E-05	3.89E-04
3743	482863.09	3851877.25	0.0172	0.0059	0.0044	0.00506	6.42E-05	1.76E-04	2.82E-05	1.60E-05	2.84E-04	5.84E-05	1.78E-10	3.76E-07	4.36E-07	5.92E-05	7.42E-05	1.76E-04	2.82E-05	1.60E-05	2.94E-04
3744	483363.09	3851877.25	0.01726	0.0059	0.004	0.00515	6.44E-05	1.76E-04	2.55E-05	1.63E-05	2.82E-04	5.86E-05	1.78E-10	3.39E-07	4.43E-07	5.94E-05	7.45E-05	1.76E-04	2.55E-05	1.63E-05	2.92E-04
3745	483863.09	3851877.25	0.01512	0.00524	0.0037	0.00491	5.64E-05	1.56E-04	2.37E-05	1.55E-05	2.52E-04	5.13E-05	1.58E-10	3.16E-07	4.23E-07	5.21E-05	6.52E-05	1.56E-04	2.37E-05	1.55E-05	2.61E-04
3746	484363.09	3851877.25	0.01598	0.0055	0.0054	0.00485	5.96E-05	1.64E-04	3.41E-05	1.53E-05	2.73E-04	5.43E-05	1.66E-10	4.55E-07	4.18E-07	5.51E-05	6.90E-05	1.64E-04	3.41E-05	1.53E-05	2.82E-04
3747	484863.09	3851877.25	0.01409	0.00492	0.0052	0.00504	5.26E-05	1.47E-04	3.32E-05	1.59E-05	2.48E-04	4.78E-05	1.49E-10	4.42E-07	4.34E-07	4.87E-05	6.08E-05	1.47E-04	3.32E-05	1.59E-05	2.57E-04
3748	485363.09	3851877.25	0.01336	0.005	0.0045	0.00527	4.99E-05	1.49E-04	2.88E-05	1.66E-05	2.44E-04	4.54E-05	1.51E-10	3.84E-07	4.54E-07	4.62E-05	5.76E-05	1.49E-04	2.88E-05	1.66E-05	2.52E-04
3749	485863.09	3851877.25	0.01285	0.00511	0.0057	0.00586	4.79E-05	1.52E-04	3.64E-05	1.85E-05	2.55E-04	4.36E-05	1.54E-10	4.86E-07	5.05E-07	4.46E-05	5.54E-05	1.52E-04	3.64E-05	1.85E-05	2.63E-04
3750	486363.09	3851877.25	0.01002	0.00463	0.0069	0.00587	3.74E-05	1.38E-04	4.41E-05	1.85E-05	2.38E-04	3.40E-05	1.40E-10	5.89E-07	5.05E-07	3.51E-05	4.32E-05	1.38E-04	4.41E-05	1.85E-05	2.44E-04
3751	486863.09	3851877.25	0.00938	0.00465	0.0068	0.0057	3.50E-05	1.39E-04	4.31E-05	1.80E-05	2.35E-04	3.18E-05	1.40E-10	5.74E-07	4.91E-07	3.29E-05	4.05E-05	1.39E-04	4.31E-05	1.80E-05	2.40E-04
3752	487363.09	3851877.25	0.00914	0.00465	0.0046	0.00569	3.41E-05	1.39E-04	2.95E-05	1.80E-05	2.20E-04	3.10E-05	1.40E-10	3.94E-07	4.90E-07	3.19E-05	3.94E-05	1.39E-04	2.95E-05	1.80E-05	2.26E-04
3753	487863.09	3851877.25	0.00821	0.00434	0.0035	0.00593	3.06E-05	1.29E-04	2.23E-05	1.87E-05	2.01E-04	2.79E-05	1.31E-10	2.97E-07	5.11E-07	2.87E-05	3.54E-05	1.29E-04	2.23E-05	1.87E-05	2.06E-04
3754	488363.09	3851877.25	0.00861	0.00461	0.0038	0.00635	3.21E-05	1.38E-04	2.43E-05	2.00E-05	2.14E-04	2.92E-05	1.39E-10	3.24E-07	5.47E-07	3.01E-05	3.72E-05	1.38E-04	2.43E-05	2.00E-05	2.19E-04
3755	488863.09	3851877.25	0.00832	0.00466	0.0045	0.00659	3.10E-05	1.39E-04	2.84E-05	2.08E-05	2.19E-04	2.82E-05	1.41E-10	3.78E-07	5.67E-07	2.92E-05	3.59E-05	1.39E-04	2.84E-05	2.08E-05	2.24E-04
3756	489363.09	3851877.25	0.00852	0.00472	0.0046	0.00683	3.18E-05	1.41E-04	2.96E-05	2.16E-05	2.24E-04	2.89E-05	1.43E-10	3.95E-07	5.88E-07	2.99E-05	3.68E-05	1.41E-04	2.96E-05	2.16E-05	2.29E-04
3757	489863.09	3851877.25	0.00917	0.00487	0.0045	0.00707	3.42E-05	1.45E-04	2.89E-05	2.23E-05	2.31E-04	3.11E-05	1.47E-10	3.85E-07	6.09E-07	3.21E-05	3.96E-05	1.45E-04	2.89E-05	2.23E-05	2.36E-04
3758	490363.09	3851877.25	0.0103	0.00521	0.0047	0.00729	3.84E-05	1.55E-04	2.97E-05	2.30E-05	2.47E-04	3.50E-05	1.57E-10	3.95E-07	6.28E-07	3.60E-05	4.44E-05	1.55E-04	2.97E-05	2.30E-05	2.53E-04
3759	490863.09	3851877.25	0.01149	0.00559	0.0044	0.00756	4.29E-05	1.67E-04	2.79E-05	2.39E-05	2.61E-04	3.90E-05	1.69E-10	3.73E-07	6.51E-07	4.00E-05	4.96E-05	1.67E-04	2.79E-05	2.39E-05	2.68E-04
3760	491363.09	3851877.25	0.0127	0.00595	0.0041	0.00783	4.74E-05	1.78E-04	2.64E-05	2.47E-05	2.76E-04	4.31E-05	1.80E-10	3.52E-07	6.74E-07	4.41E-05	5.48E-05	1.78E-04	2.64E-05	2.47E-05	2.83E-04
3761	491863.09	3851877.25	0.01381	0.0063	0.0042	0.00805	5.15E-05	1.88E-04	2.65E-05	2.54E-05	2.91E-04	4.69E-05	1.90E-10	3.54E-07	6.93E-07	4.79E-05	5.96E-05	1.88E-04	2.65E-05	2.54E-05	2.99E-04
3762	492363.09	3851877.25	0.01425	0.00642	0.0043	0.00823	5.32E-05	1.92E-04	2.72E-05	2.60E-05	2.98E-04	4.84E-05	1.94E-10	3.62E-07	7.09E-07	4.95E-05	6.15E-05	1.92E-04	2.72E-05	2.60E-05	3.06E-04
3763	492863.09	3851877.25	0.01303	0.00603	0.0049	0.00829	4.86E-05	1.80E-04	3.13E-05	2.62E-05	2.86E-04	4.42E-05	1.82E-10	4.17E-07	7.14E-07	4.54E-05	5.62E-05	1.80E-04	3.13E-05	2.62E-05	2.94E-04
3764	493363.09	3851877.25	0.0162	0.00696	0.0061	0.00868	6.04E-05	2.08E-04	3.91E-05	2.74E-05	3.35E-04	5.50E-05	2.10E-10	5.21E-07	7.47E-07	5.63E-05	6.99E-05	2.08E-04	3.91E-05	2.74E-05	3.44E-04
3765	493863.09	3851877.25	0.01982	0.00808	0.0075	0.0091	7.40E-05	2.41E-04	4.78E-05	2.87E-05	3.92E-04	6.73E-05	2.44E-10	6.37E-07	7.84E-07	6.87E-05	8.55E-05	2.41E-04	4.78E-05	2.87E-05	4.03E-04
3766	494363.09	3851877.25	0.01979	0.00812	0.0081	0.00924	7.38E-05	2.42E-04	5.17E-05	2.92E-05	3.97E-04	6.72E-05	2.45E-10	6.90E-07	7.96E-07	6.87E-05	8.54E-05	2.42E-04	5.17E-05	2.92E-05	4.09E-04
3767	494863.09	3851877.25	0.02231	0.00892	0.0083	0.00957	8.32E-05	2.66E-04	5.31E-05	3.02E-05	4.33E-04	7.57E-05	2.69E-10	7.08E-07	8.24E-07	7.73E-05	9.63E-05	2.66E-04	5.31E-05	3.02E-05	4.46E-04
3768	495363.09	3851877.25	0.02388	0.00945	0.0082	0.00981	8.91E-05	2.82E-04	5.20E-05	3.10E-05	4.54E-04	8.11E-05	2.85E-10	6.93E-07	8.45E-07	8.26E-05	1.03E-04	2.82E-04	5.20E-05	3.10E-05	4.68E-04
3769	495863.09	3851877.25	0.02487	0.00984	0.0082	0.00997	9.28E-05	2.94E-04	5.22E-05	3.15E-05	4.70E-04	8.44E-05	2.97E-10	6.97E-07	8.59E-07	8.60E-05	1.07E-04	2.94E-04	5.22E-05	3.15E-05	4.85E-04
3770	496363.09	3851877.25	0.02476	0.00993	0.0085	0.01003	9.24E-05	2.96E-04	5.40E-05	3.17E-05	4.74E-04	8.41E-05	3.00E-10	7.20E-07	8.64E-07	8.56E-05	1.07E-04	2.96E-04	5.40E-05	3.17E-05	4.89E-04
3771	496863.09	3851877.25	0.02444	0.00994	0.009	0.01004	9.12E-05	2.97E-04	5.76E-05	3.17E-05	4.77E-04	8.30E-05	3.00E-10	7.68E-07	8.65E-07	8.46E-05	1.05E-04	2.97E-04	5.76E-05	3.17E-05	4.91E-04
3772	497363.09	3851877.25	0.02392	0.00989	0.0096	0.01002	8.93E-05	2.95E-04	6.09E-05	3.16E-05	4.77E-04	8.12E-05	2.99E-10	8.12E-07	8.63E-07	8.29E-05	1.03E-04	2.95E-04	6.09E-05	3.16E-05	4.91E-04
3773	497863.09	3851877.25	0.02246	0.00958	0.01	0.00996	8.38E-05	2.86E-04	6.37E-05	3.14E-05	4.65E-04	7.63E-05	2.89E-10	8.49E-07	8.58E-07	7.80E-05	9.69E-05	2.86E-04	6.37E-05	3.14E-05	4.78E-04
3774	498363.09	3851877.25	0.02105	0.0093	0.0104	0.00994	7.85E-05	2.77E-04	6.66E-05	3.14E-05	4.54E-04	7.15E-05	2.81E-10	8.88E-07	8.56E-07	7.32E-05	9.08E-05	2.77E-04	6.66E-05	3.14E-05	4.66E-04
3775	471363.09	3852377.25	0.00705	0.00404	0.0032	0.00326	2.63E-05	1.21E-04	2.02E-05	1.03E-05	1.77E-04	2.39E-05	1.22E-10	2.70E-07	2.81E-07	2.45E-05	3.04E-05	1.21E-04	2.02E-05	1.03E-05	1.81E-04
3776	471863.09	3852377.25	0.008	0.00442	0.0033	0.00334	2.99E-05	1.32E-04	2.10E-05	1.05E-05	1.93E-04	2.72E-05	1.33E-10	2.81E-07	2.88E-07	2.77E-05	3.45E-05	1.32E-04	2.10E-05	1.05E-05	1.98E-04
3777	472363.09	3852377.25	0.00874	0.00468	0.0035	0.00342	3.26E-05	1.40E-04	2.21E-05	1.08E-05	2.05E-04	2.97E-05	1.41E-10	2.94E-07	2.94E-07	3.03E-05	3.77E-05	1.40E-04	2.21E-05	1.08E-05	2.10E-04
3778	472863.09	3852377.25	0.00941	0.00491	0.0036	0.0035	3.51E-05	1.46E-04	2.29E-05	1.11E-05	2.16E-04	3.19E-05	1.48E-10	3.05E-07	3.01E-07	3.26E-05	4.06E-05	1.46E-04	2.29E-05	1.11E-05	2.21E-04

3779	473363.09	3852377.25	0.00994	0.00507	0.0037	0.00356	3.71E-05	1.51E-04	2.33E-05	1.12E-05	2.23E-04	3.37E-05	1.53E-10	3.10E-07	3.07E-07	3.44E-05	4.29E-05	1.51E-04	2.33E-05	1.12E-05	2.29E-04
3780	473863.09	3852377.25	0.01036	0.00521	0.0036	0.00361	3.87E-05	1.55E-04	2.30E-05	1.14E-05	2.29E-04	3.52E-05	1.57E-10	3.07E-07	3.11E-07	3.58E-05	4.47E-05	1.55E-04	2.30E-05	1.14E-05	2.35E-04
3781	474363.09	3852377.25	0.01088	0.00542	0.0035	0.00365	4.06E-05	1.62E-04	2.24E-05	1.15E-05	2.36E-04	3.69E-05	1.64E-10	2.99E-07	3.14E-07	3.76E-05	4.69E-05	1.62E-04	2.24E-05	1.15E-05	2.43E-04
3782	474863.09	3852377.25	0.01299	0.00695	0.0035	0.00375	4.85E-05	2.07E-04	2.22E-05	1.18E-05	2.90E-04	4.41E-05	2.10E-10	2.96E-07	3.23E-07	4.47E-05	5.61E-05	2.07E-04	2.22E-05	1.18E-05	2.97E-04
3783	475363.09	3852377.25	0.0133	0.00729	0.0033	0.00376	4.96E-05	2.17E-04	2.08E-05	1.19E-05	3.00E-04	4.52E-05	2.20E-10	2.77E-07	3.24E-07	4.58E-05	5.74E-05	2.17E-04	2.08E-05	1.19E-05	3.08E-04
3784	475863.09	3852377.25	0.01331	0.0076	0.003	0.00377	4.97E-05	2.27E-04	1.91E-05	1.19E-05	3.07E-04	4.52E-05	2.30E-10	2.55E-07	3.25E-07	4.58E-05	5.74E-05	2.27E-04	1.91E-05	1.19E-05	3.15E-04
3785	476363.09	3852377.25	0.01302	0.0075	0.0027	0.00378	4.86E-05	2.24E-04	1.73E-05	1.19E-05	3.02E-04	4.42E-05	2.26E-10	2.31E-07	3.25E-07	4.48E-05	5.62E-05	2.24E-04	1.73E-05	1.19E-05	3.09E-04
3786	476863.09	3852377.25	0.01332	0.00785	0.0025	0.00383	4.97E-05	2.34E-04	1.59E-05	1.21E-05	3.12E-04	4.52E-05	2.37E-10	2.12E-07	3.30E-07	4.58E-05	5.75E-05	2.34E-04	1.59E-05	1.21E-05	3.20E-04
3787	477363.09	3852377.25	0.01367	0.00788	0.0024	0.0039	5.10E-05	2.35E-04	1.53E-05	1.23E-05	3.14E-04	4.64E-05	2.38E-10	2.04E-07	3.36E-07	4.70E-05	5.90E-05	2.35E-04	1.53E-05	1.23E-05	3.22E-04
3788	477863.09	3852377.25	0.01327	0.00689	0.0024	0.00394	4.95E-05	2.06E-04	1.51E-05	1.24E-05	2.83E-04	4.51E-05	2.08E-10	2.01E-07	3.39E-07	4.56E-05	5.73E-05	2.06E-04	1.51E-05	1.24E-05	2.90E-04
3789	478363.09	3852377.25	0.01382	0.0064	0.0025	0.00401	5.16E-05	1.91E-04	1.58E-05	1.27E-05	2.71E-04	4.69E-05	1.93E-10	2.10E-07	3.45E-07	4.75E-05	5.96E-05	1.91E-04	1.58E-05	1.27E-05	2.79E-04
3790	478863.09	3852377.25	0.01831	0.00744	0.0026	0.00413	6.83E-05	2.22E-04	1.66E-05	1.30E-05	3.20E-04	6.22E-05	2.25E-10	2.21E-07	3.56E-07	6.27E-05	7.90E-05	2.22E-04	1.66E-05	1.30E-05	3.31E-04
3791	479363.09	3852377.25	0.02153	0.00839	0.0026	0.00419	8.03E-05	2.50E-04	1.68E-05	1.32E-05	3.61E-04	7.31E-05	2.53E-10	2.24E-07	3.61E-07	7.37E-05	9.29E-05	2.50E-04	1.68E-05	1.32E-05	3.73E-04
3792	479863.09	3852377.25	0.02412	0.01331	0.0026	0.00419	9.00E-05	3.97E-04	1.67E-05	1.32E-05	5.17E-04	8.19E-05	4.02E-10	2.23E-07	3.61E-07	8.25E-05	1.04E-04	3.97E-04	1.67E-05	1.32E-05	5.31E-04
3793	480363.09	3852377.25	0.02438	0.01919	0.0027	0.00424	9.10E-05	5.73E-04	1.74E-05	1.34E-05	6.94E-04	8.28E-05	5.80E-10	2.32E-07	3.65E-07	8.34E-05	1.05E-04	5.73E-04	1.74E-05	1.34E-05	7.09E-04
3794	480863.09	3852377.25	0.02396	0.01866	0.0028	0.00433	8.94E-05	5.57E-04	1.80E-05	1.37E-05	6.78E-04	8.13E-05	5.64E-10	2.40E-07	3.73E-07	8.20E-05	1.03E-04	5.57E-04	1.80E-05	1.37E-05	6.92E-04
3795	481363.09	3852377.25	0.02471	0.01807	0.0029	0.00454	9.22E-05	5.39E-04	1.83E-05	1.43E-05	6.64E-04	8.39E-05	5.46E-10	2.44E-07	3.91E-07	8.45E-05	1.07E-04	5.39E-04	1.83E-05	1.43E-05	6.78E-04
3796	481863.09	3852377.25	0.0337	0.0164	0.0029	0.00483	1.26E-04	4.89E-04	1.82E-05	1.53E-05	6.49E-04	1.14E-04	4.95E-10	2.43E-07	4.16E-07	1.15E-04	1.45E-04	4.89E-04	1.82E-05	1.53E-05	6.68E-04
3797	482363.09	3852377.25	0.03849	0.01436	0.0029	0.00527	1.44E-04	4.28E-04	1.82E-05	1.66E-05	6.07E-04	1.31E-04	4.34E-10	2.43E-07	4.54E-07	1.31E-04	1.66E-04	4.28E-04	1.82E-05	1.66E-05	6.29E-04
3798	482863.09	3852377.25	0.03203	0.01134	0.0033	0.00554	1.20E-04	3.38E-04	2.09E-05	1.75E-05	4.96E-04	1.09E-04	3.42E-10	2.78E-07	4.77E-07	1.09E-04	1.38E-04	3.38E-04	2.09E-05	1.75E-05	5.15E-04
3799	483363.09	3852377.25	0.02572	0.00774	0.0046	0.00582	9.60E-05	2.31E-04	2.93E-05	1.84E-05	3.75E-04	8.73E-05	2.34E-10	3.90E-07	5.01E-07	8.82E-05	1.11E-04	2.31E-04	2.93E-05	1.84E-05	3.90E-04
3800	483863.09	3852377.25	0.01966	0.00634	0.0041	0.00564	7.34E-05	1.89E-04	2.60E-05	1.78E-05	3.06E-04	6.67E-05	1.91E-10	3.46E-07	4.86E-07	6.76E-05	8.48E-05	1.89E-04	2.60E-05	1.78E-05	3.18E-04
3801	484363.09	3852377.25	0.0216	0.00665	0.0045	0.00561	8.06E-05	1.98E-04	2.86E-05	1.77E-05	3.25E-04	7.33E-05	2.01E-10	3.82E-07	4.83E-07	7.42E-05	9.32E-05	1.98E-04	2.86E-05	1.77E-05	3.38E-04
3802	484863.09	3852377.25	0.02114	0.00673	0.0061	0.00561	7.89E-05	2.01E-04	3.88E-05	1.77E-05	3.36E-04	7.18E-05	2.03E-10	5.18E-07	4.83E-07	7.28E-05	9.12E-05	2.01E-04	3.88E-05	1.77E-05	3.49E-04
3803	485363.09	3852377.25	0.02056	0.00692	0.0051	0.00631	7.67E-05	2.06E-04	3.24E-05	1.99E-05	3.35E-04	6.98E-05	2.09E-10	4.32E-07	5.43E-07	7.08E-05	8.87E-05	2.06E-04	3.24E-05	1.99E-05	3.47E-04
3804	485863.09	3852377.25	0.01722	0.00641	0.0055	0.00706	6.43E-05	1.91E-04	3.50E-05	2.23E-05	3.13E-04	5.85E-05	1.94E-10	4.66E-07	6.08E-07	5.95E-05	7.43E-05	1.91E-04	3.50E-05	2.23E-05	3.23E-04
3805	486363.09	3852377.25	0.01268	0.00563	0.0075	0.00675	4.73E-05	1.68E-04	4.76E-05	2.13E-05	2.84E-04	4.30E-05	1.70E-10	6.34E-07	5.81E-07	4.43E-05	5.47E-05	1.68E-04	4.76E-05	2.13E-05	2.92E-04
3806	486863.09	3852377.25	0.01159	0.00559	0.0075	0.00677	4.32E-05	1.67E-04	4.75E-05	2.14E-05	2.79E-04	3.93E-05	1.69E-10	6.34E-07	5.83E-07	4.06E-05	5.00E-05	1.67E-04	4.75E-05	2.14E-05	2.86E-04
3807	487363.09	3852377.25	0.01062	0.00552	0.0051	0.00701	3.96E-05	1.65E-04	3.28E-05	2.21E-05	2.59E-04	3.61E-05	1.67E-10	4.37E-07	6.04E-07	3.71E-05	4.58E-05	1.65E-04	3.28E-05	2.21E-05	2.65E-04
3808	487863.09	3852377.25	0.01017	0.00546	0.0038	0.00729	3.79E-05	1.63E-04	2.42E-05	2.30E-05	2.48E-04	3.45E-05	1.65E-10	3.23E-07	6.28E-07	3.55E-05	4.39E-05	1.63E-04	2.42E-05	2.30E-05	2.54E-04
3809	488363.09	3852377.25	0.00987	0.00552	0.0041	0.00752	3.68E-05	1.65E-04	2.63E-05	2.37E-05	2.52E-04	3.35E-05	1.67E-10	3.50E-07	6.48E-07	3.45E-05	4.26E-05	1.65E-04	2.63E-05	2.37E-05	2.57E-04
3810	488863.09	3852377.25	0.00983	0.00554	0.0048	0.00778	3.67E-05	1.65E-04	3.05E-05	2.46E-05	2.57E-04	3.34E-05	1.67E-10	4.07E-07	6.70E-07	3.44E-05	4.24E-05	1.65E-04	3.05E-05	2.46E-05	2.63E-04
3811	489363.09	3852377.25	0.0106	0.00564	0.0049	0.00807	3.96E-05	1.68E-04	3.10E-05	2.55E-05	2.64E-04	3.60E-05	1.70E-10	4.13E-07	6.95E-07	3.71E-05	4.57E-05	1.68E-04	3.10E-05	2.55E-05	2.70E-04
3812	489863.09	3852377.25	0.01095	0.00563	0.0048	0.00822	4.09E-05	1.68E-04	3.06E-05	2.60E-05	2.65E-04	3.72E-05	1.70E-10	4.07E-07	7.08E-07	3.83E-05	4.73E-05	1.68E-04	3.06E-05	2.60E-05	2.72E-04
3813	490363.09	3852377.25	0.01327	0.00633	0.0047	0.00857	4.95E-05	1.89E-04	3.02E-05	2.71E-05	2.96E-04	4.51E-05	1.91E-10	4.03E-07	7.38E-07	4.62E-05	5.73E-05	1.89E-04	3.02E-05	2.71E-05	3.03E-04
3814	490863.09	3852377.25	0.01549	0.00697	0.0044	0.00892	5.78E-05	2.08E-04	2.83E-05	2.82E-05	3.22E-04	5.26E-05	2.10E-10	3.78E-07	7.68E-07	5.37E-05	6.68E-05	2.08E-04	2.83E-05	2.82E-05	3.31E-04
3815	491363.09	3852377.25	0.01947	0.00808	0.0047	0.00936	7.27E-05	2.41E-04	3.01E-05	2.96E-05	3.73E-04	6.61E-05	2.44E-10	4.01E-07	8.06E-07	6.73E-05	8.40E-05	2.41E-04	3.01E-05	2.96E-05	3.85E-04
3816	491863.09	3852377.25	0.02126	0.00857	0.0049	0.00964	7.93E-05	2.56E-04	3.11E-05	3.04E-05	3.97E-04	7.22E-05	2.59E-10	4.15E-07	8.30E-07	7.34E-05	9.17E-05	2.56E-04	3.11E-05	3.04E-05	4.09E-04
3817	492363.09	3852377.25	0.02264	0.00894	0.0056	0.00991	8.45E-05	2.67E-04	3.59E-05	3.13E-05	4.18E-04	7.69E-05	2.70E-10	4.79E-07	8.53E-07	7.82E-05	9.77E-05	2.67E-04	3.59E-05	3.13E-05	4.32E-04
3818	492863.09	3852377.25	0.02508	0.00961	0.007	0.01026	9.36E-05	2.87E-04	4.48E-05	3.24E-05	4.58E-04	8.51E-05	2.90E-10	5.98E-07	8.83E-07	8.66E-05	1.08E-04	2.87E-04	4.48E-05	3.24E-05	4.72E-04
3819	493363.09	3852377.25	0.02886	0.01065	0.0086	0.01062	1.08E-04	3.18E-04	5.50E-05	3.35E-05	5.14E-04	9.80E-05	3.22E-10	7.34E-07	9.14E-07	9.96E-05	1.25E-04	3.18E-04	5.50E-05	3.35E-05	5.31E-04
3820	493863.09	3852377.25	0.02931	0.01085	0.0095	0.01072	1.09E-04	3.24E-04	6.05E-05	3.38E-05	5.27E-04	9.95E-05	3.28E-10	8.06E-07	9.23E-07	1.01E-04	1.26E-04	3.24E-04	6.05E-05	3.38E-05	5.44E-04
3821	494363.09	3852377.25	0.02951	0.01102	0.0094	0.01082	1.10E-04	3.29E-04	5.96E-05	3.42E-05	5.33E-04	1.00E-04	3.33E-10	7.95E-07	9.32E-07	1.02E-04	1.27E-04	3.29E-04	5.96E-05	3.42E-05	5.50E-04
3822	494863.09	3852377.25	0.03144	0.01167	0.0093	0.01102	1.17E-04	3.48E-04	5.91E-05	3.48E-05	5.59E-04	1.07E-04	3.52E-10	7.88E-07	9.49E-07	1.08E-04	1.36E-04	3.48E-04	5.91E-05	3.48E-05	5.78E-04
3823	495363.09	3852377.25	0.03336	0.01235	0.0093	0.01121	1.24E-04	3.68E-04	5.94E-05	3.54E-05	5.88E-04	1.13E-04	3.73E-10	7.93E-07	9.65E-07	1.15E-04	1.44E-04	3.68E-04	5.94E-05	3.54E-05	6.07E-04
3824	495863.09	3852377.25	0.03238	0.0122	0.0096	0.01121	1.21E-04	3.64E-04	6.13E-05	3.54E-05	5.81E-04	1.10E-04	3.68E-10	8.17E-07	9.65E-07	1.12E-04	1.40E-04	3.64E-04	6.13E-05	3.54E-05	6.00E-04
3825	496363.09	3852377.25	0.03123	0.01202	0.0103	0.01117	1.17E-04	3.59E-04	6.55E-05	3.53E-05	5.76E-04	1.06E-04	3.63E-10	8.73E-07	9.62E-07	1.08E-04	1.35E-04	3.59E-04	6.55E-05	3.53E-05	5.94E-04
3826	496863.09	3852377.25	0.03045	0.01196	0.011	0.01113	1.14E-04	3.57E-04	7.00E-05	3.51E-05	5.76E-04	1.03E-04	3.61E-10	9.34E-07	9.58E-07	1.05E-04	1.31E-04	3.57E-04	7.00E-05	3.51E-05	5.93E-04
3827	497363.09	3852377.25	0.02782	0.01134	0.0114	0.01095	1.04E-04	3.38E-04	7.28E-05	3.46E-05	5.49E-04	9.44E-05	3.42E-10	9.70E-07	9.43E-07	9.64E-05	1.20E-04	3.38E-04	7.28E-05	3.46E-05	5.66E-04
3828	497863.09	3852377.25	0.02511	0.01075	0.0119	0.01086	9.37E-05	3.21E-04	7.58E-05	3.43E-05	5.24E-04	8.52E-05	3.25E-10	1.01E-06	9.35E-07	8.72E-05	1.08E-04	3.21E-04	7.58E-05	3.43E-05	5.39E-04
3829	498363.09	3852377.25	0.0227	0.0102	0.0122	0.01077	8.47E-05	3.04E-04	7.78E-05	3.40E-05	5.01E-04	7.71E-05	3.08E-10	1.04E-06	9.27E-07	7.90E-05	9.80E-05	3.04E-04	7.78E-05	3.40E-05	5.14E-04
3830	471363.09	3852877.25	0.00787	0.0044	0.0034	0.00343	2.94E-05	1.31E-04	2.14E-05	1.08E-05	1.93E-04	2.67E-05	1.33E-10	2.86E-07	2.95E-07	2.73E-05	3.40E-05	1.31E-04	2.14E-05	1.08E-05	1.97E-04
3831	471863.09	3852877.25	0.00857	0.00471	0.0034	0.00352	3.20E-05	1.41E-04	2.18E-05	1.11E-05	2.05E-04	2.91E-05	1.42E-10	2.90E-07	3.03E-07	2.97E-05	3.70E-05	1.41E-04	2.18E-05	1.11E-05	2.10E-04
3832	472363.09	3852877.25	0.00935	0.00503	0.0035	0.0036	3.49E-05	1.50E-04	2.23E-05	1.14E-05	2.19E-04	3.17E-05	1.52E-10	2.98E-07	3.10E-07	3.24E-05	4.03E-05	1.50E-04	2.23E-05	1.14E-05	2.24E-04
3833	472863.09	3852877.25	0.00996	0.00529	0.0036	0.00368	3.72E-05	1.58E-04	2.30E-05	1.16E-05	2.30E-04	3.38E-05	1.60E-10	3.06E-07	3.17E-07	3.44E-05	4.30E-05	1.58E-04	2.30E-05	1.16E-05	2.35E-04
3834	473363.09	3852877.25	0.01069	0.00557	0.0037	0.00376	3.99E-05	1.66E-04	2.39E-05	1.19E-05	2.42E-04	3.63E-05	1.68E-10	3.18E-07	3.24E-07	3.69E-05	4.61E-05	1.66E-04	2.39E-05	1.19E-05	2.48E-04
3835	473863.09	3852877.25	0.01162	0.00596	0.0039	0.00386	4.34E-05	1.78E-04	2.49E-05	1.22E-05	2.58E-04	3.95E-05	1.80E-10	3.33E-07	3.32E-07	4.01E-05	5.01E-05	1.78E-04	2.49E-05	1.22E-05	2.65E-04
3836	474363.09	3852877.25	0.01274	0.00642	0.0041	0.00397	4.75E-05	1.92E-04	2.58E-05	1.25E-05	2.77E-04	4.33E-05	1.94E-10	3.44E-07	3.42E-07	4.39E-05	5.50E-05	1.92E-04	2.58E-05	1.25E-05	2.85E-04
3837	474863.09	3852877.25	0.01238	0.00609	0.004	0.00401	4.62E-05	1.82E-04	2.56E-05	1.27E-05	2.66E-04	4.20E-05	1.84E-10	3.42E-07	3.45E-07	4.27E-05	5.34E-05	1.82E-04	2.56E-05	1.27E-05	2.73E-04
3838	475363.09	3852877.25	0.01371	0.00675	0.004	0.00412	5.12E-05	2.01E-04	2.55E-05	1.30E-05	2.91E-04	4.65E-05	2.04E-10	3.40E-07	3.55E-07	4.72E-05	5.92E-05	2.01E-04	2.55E-05	1.30E-05	2.99E-04
3839	475863.09	3852877.25	0.01433	0.007	0.0038	0.00416	5.35E-05	2.09E-04	2.45E-05	1.31E-05	3.00E-04	4.87E-05	2.11E-10	3.27E-07	3.58E-07	4.93E-05	6.18E-05	2.09E-04	2.45E-05	1.31E-05	3.08E-04

3840	476363.09	3852877.25	0.01397	0.00678	0.0036	0.00415	5.21E-05	2.02E-04	2.26E-05	1.31E-05	2.90E-04	4.74E-05	2.05E-10	3.02E-07	3.57E-07	4.81E-05	6.03E-05	2.02E-04	2.26E-05	1.31E-05	2.98E-04
3841	476863.09	3852877.25	0.01269	0.00622	0.0032	0.00412	4.74E-05	1.86E-04	2.02E-05	1.30E-05	2.66E-04	4.31E-05	1.88E-10	2.69E-07	3.55E-07	4.37E-05	5.48E-05	1.86E-04	2.02E-05	1.30E-05	2.73E-04
3842	477363.09	3852877.25	0.0115	0.00576	0.0028	0.00414	4.29E-05	1.72E-04	1.77E-05	1.31E-05	2.46E-04	3.90E-05	1.74E-10	2.36E-07	3.56E-07	3.96E-05	4.96E-05	1.72E-04	1.77E-05	1.31E-05	2.52E-04
3843	477863.09	3852877.25	0.01018	0.00532	0.0025	0.00419	3.80E-05	1.59E-04	1.59E-05	1.32E-05	2.26E-04	3.46E-05	1.61E-10	2.12E-07	3.61E-07	3.51E-05	4.39E-05	1.59E-04	1.59E-05	1.32E-05	2.32E-04
3844	478363.09	3852877.25	0.00794	0.00475	0.0023	0.00425	2.96E-05	1.42E-04	1.47E-05	1.34E-05	1.99E-04	2.70E-05	1.43E-10	1.96E-07	3.66E-07	2.75E-05	3.43E-05	1.42E-04	1.47E-05	1.34E-05	2.04E-04
3845	478863.09	3852877.25	0.00958	0.0054	0.0024	0.00439	3.57E-05	1.61E-04	1.54E-05	1.39E-05	2.26E-04	3.25E-05	1.63E-10	2.06E-07	3.78E-07	3.31E-05	4.13E-05	1.61E-04	1.54E-05	1.39E-05	2.32E-04
3846	479363.09	3852877.25	0.01429	0.00644	0.0026	0.00455	5.33E-05	1.92E-04	1.68E-05	1.44E-05	2.77E-04	4.85E-05	1.94E-10	2.24E-07	3.92E-07	4.91E-05	6.17E-05	1.92E-04	1.68E-05	1.44E-05	2.85E-04
3847	479863.09	3852877.25	0.02471	0.00951	0.0028	0.00473	9.22E-05	2.84E-04	1.80E-05	1.49E-05	4.09E-04	8.39E-05	2.87E-10	2.40E-07	4.07E-07	8.45E-05	1.07E-04	2.84E-04	1.80E-05	1.49E-05	4.23E-04
3848	480363.09	3852877.25	0.02974	0.01707	0.0028	0.00478	1.11E-04	5.09E-04	1.81E-05	1.51E-05	6.53E-04	1.01E-04	5.15E-10	2.41E-07	4.12E-07	1.02E-04	1.28E-04	5.09E-04	1.81E-05	1.51E-05	6.71E-04
3849	480863.09	3852877.25	0.03128	0.02079	0.0029	0.00489	1.17E-04	6.20E-04	1.85E-05	1.54E-05	7.71E-04	1.06E-04	6.28E-10	2.47E-07	4.21E-07	1.07E-04	1.35E-04	6.20E-04	1.85E-05	1.54E-05	7.89E-04
3850	481363.09	3852877.25	0.03079	0.02252	0.003	0.00504	1.15E-04	6.72E-04	1.94E-05	1.59E-05	8.22E-04	1.05E-04	6.80E-10	2.59E-07	4.34E-07	1.05E-04	1.33E-04	6.72E-04	1.94E-05	1.59E-05	8.40E-04
3851	481863.09	3852877.25	0.03104	0.02124	0.0031	0.00548	1.16E-04	6.34E-04	1.98E-05	1.73E-05	7.87E-04	1.05E-04	6.41E-10	2.64E-07	4.72E-07	1.06E-04	1.34E-04	6.34E-04	1.98E-05	1.73E-05	8.05E-04
3852	482363.09	3852877.25	0.04219	0.01977	0.0031	0.00593	1.57E-04	5.90E-04	1.98E-05	1.87E-05	7.86E-04	1.43E-04	5.97E-10	2.64E-07	5.11E-07	1.44E-04	1.82E-04	5.90E-04	1.98E-05	1.87E-05	8.10E-04
3853	482863.09	3852877.25	0.04837	0.01755	0.0031	0.00625	1.80E-04	5.24E-04	1.99E-05	1.97E-05	7.44E-04	1.64E-04	5.30E-10	2.65E-07	5.38E-07	1.65E-04	2.09E-04	5.24E-04	1.99E-05	1.97E-05	7.72E-04
3854	483363.09	3852877.25	0.04062	0.01274	0.0036	0.00643	1.52E-04	3.80E-04	2.29E-05	2.03E-05	5.75E-04	1.38E-04	3.85E-10	3.05E-07	5.54E-07	1.39E-04	1.75E-04	3.80E-04	2.29E-05	2.03E-05	5.99E-04
3855	483863.09	3852877.25	0.03001	0.00834	0.005	0.00673	1.12E-04	2.49E-04	3.18E-05	2.12E-05	4.14E-04	1.02E-04	2.52E-10	4.24E-07	5.80E-07	1.03E-04	1.29E-04	2.49E-04	3.18E-05	2.12E-05	4.31E-04
3856	484363.09	3852877.25	0.03194	0.00891	0.0042	0.00656	1.19E-04	2.66E-04	2.65E-05	2.07E-05	4.32E-04	1.08E-04	2.69E-10	3.54E-07	5.65E-07	1.09E-04	1.38E-04	2.66E-04	2.65E-05	2.07E-05	4.51E-04
3857	484863.09	3852877.25	0.03043	0.0092	0.0052	0.00682	1.14E-04	2.74E-04	3.34E-05	2.15E-05	4.43E-04	1.03E-04	2.78E-10	4.45E-07	5.87E-07	1.04E-04	1.31E-04	2.74E-04	3.34E-05	2.15E-05	4.61E-04
3858	485363.09	3852877.25	0.02056	0.00707	0.0064	0.00771	7.67E-05	2.11E-04	4.07E-05	2.43E-05	3.53E-04	6.98E-05	2.14E-10	5.43E-07	6.64E-07	7.10E-05	8.87E-05	2.11E-04	4.07E-05	2.43E-05	3.65E-04
3859	485863.09	3852877.25	0.01644	0.00664	0.0054	0.00795	6.13E-05	1.98E-04	3.43E-05	2.51E-05	3.19E-04	5.58E-05	2.01E-10	4.57E-07	6.85E-07	5.70E-05	7.09E-05	1.98E-04	3.43E-05	2.51E-05	3.28E-04
3860	486363.09	3852877.25	0.01304	0.00638	0.007	0.00808	4.87E-05	1.90E-04	4.48E-05	2.55E-05	3.09E-04	4.43E-05	1.93E-10	5.98E-07	6.96E-07	4.56E-05	5.63E-05	1.90E-04	4.48E-05	2.55E-05	3.17E-04
3861	486863.09	3852877.25	0.01277	0.00665	0.0074	0.00848	4.77E-05	1.98E-04	4.69E-05	2.68E-05	3.20E-04	4.34E-05	2.01E-10	6.25E-07	7.30E-07	4.47E-05	5.51E-05	1.98E-04	4.69E-05	2.68E-05	3.27E-04
3862	487363.09	3852877.25	0.01203	0.00672	0.0055	0.00869	4.49E-05	2.00E-04	3.51E-05	2.74E-05	3.08E-04	4.08E-05	2.03E-10	4.68E-07	7.48E-07	4.21E-05	5.19E-05	2.00E-04	3.51E-05	2.74E-05	3.15E-04
3863	487863.09	3852877.25	0.0123	0.00686	0.0042	0.009	4.59E-05	2.05E-04	2.65E-05	2.84E-05	3.05E-04	4.18E-05	2.07E-10	3.53E-07	7.75E-07	4.29E-05	5.31E-05	2.05E-04	2.65E-05	2.84E-05	3.13E-04
3864	488363.09	3852877.25	0.01043	0.0061	0.0045	0.0089	3.89E-05	1.82E-04	2.85E-05	2.81E-05	2.78E-04	3.54E-05	1.84E-10	3.80E-07	7.66E-07	3.66E-05	4.50E-05	1.82E-04	2.85E-05	2.81E-05	2.84E-04
3865	488863.09	3852877.25	0.01294	0.00682	0.0052	0.00938	4.83E-05	2.03E-04	3.32E-05	2.96E-05	3.15E-04	4.39E-05	2.06E-10	4.42E-07	8.08E-07	4.52E-05	5.58E-05	2.03E-04	3.32E-05	2.96E-05	3.22E-04
3866	489363.09	3852877.25	0.01507	0.00726	0.0052	0.00972	5.62E-05	2.17E-04	3.34E-05	3.07E-05	3.37E-04	5.12E-05	2.19E-10	4.46E-07	8.37E-07	5.24E-05	6.50E-05	2.17E-04	3.34E-05	3.07E-05	3.46E-04
3867	489863.09	3852877.25	0.01726	0.00772	0.0052	0.01002	6.44E-05	2.30E-04	3.34E-05	3.16E-05	3.60E-04	5.86E-05	2.33E-10	4.46E-07	8.63E-07	5.99E-05	7.45E-05	2.30E-04	3.34E-05	3.16E-05	3.70E-04
3868	490363.09	3852877.25	0.02372	0.00946	0.0055	0.01066	8.85E-05	2.82E-04	3.51E-05	3.37E-05	4.39E-04	8.05E-05	2.86E-10	4.68E-07	9.18E-07	8.19E-05	1.02E-04	2.82E-04	3.51E-05	3.37E-05	4.53E-04
3869	490863.09	3852877.25	0.02762	0.01044	0.0054	0.01109	1.03E-04	3.11E-04	3.41E-05	3.50E-05	4.84E-04	9.38E-05	3.15E-10	4.55E-07	9.55E-07	9.52E-05	1.19E-04	3.11E-04	3.41E-05	3.50E-05	5.00E-04
3870	491363.09	3852877.25	0.03135	0.01142	0.0055	0.01149	1.17E-04	3.41E-04	3.48E-05	3.63E-05	5.29E-04	1.06E-04	3.45E-10	4.64E-07	9.89E-07	1.08E-04	1.35E-04	3.41E-04	3.48E-05	3.63E-05	5.47E-04
3871	491863.09	3852877.25	0.03357	0.01199	0.006	0.01174	1.25E-04	3.58E-04	3.83E-05	3.71E-05	5.58E-04	1.14E-04	3.62E-10	5.11E-07	1.01E-06	1.15E-04	1.45E-04	3.58E-04	3.83E-05	3.71E-05	5.78E-04
3872	492363.09	3852877.25	0.03607	0.01258	0.0076	0.01197	1.35E-04	3.75E-04	4.87E-05	3.78E-05	5.96E-04	1.22E-04	3.80E-10	6.49E-07	1.03E-06	1.24E-04	1.56E-04	3.75E-04	4.87E-05	3.78E-05	6.17E-04
3873	492863.09	3852877.25	0.04034	0.01363	0.0102	0.01231	1.51E-04	4.07E-04	6.51E-05	3.89E-05	6.61E-04	1.37E-04	4.12E-10	8.68E-07	1.06E-06	1.39E-04	1.74E-04	4.07E-04	6.51E-05	3.89E-05	6.85E-04
3874	493363.09	3852877.25	0.04316	0.01446	0.0119	0.0125	1.61E-04	4.31E-04	7.56E-05	3.95E-05	7.08E-04	1.47E-04	4.37E-10	1.01E-06	1.08E-06	1.49E-04	1.86E-04	4.31E-04	7.56E-05	3.95E-05	7.33E-04
3875	493863.09	3852877.25	0.04307	0.01466	0.0113	0.01243	1.61E-04	4.37E-04	7.19E-05	3.92E-05	7.09E-04	1.46E-04	4.43E-10	9.59E-07	1.07E-06	1.48E-04	1.86E-04	4.37E-04	7.19E-05	3.92E-05	7.34E-04
3876	494363.09	3852877.25	0.04307	0.01483	0.0107	0.0125	1.61E-04	4.42E-04	6.80E-05	3.95E-05	7.11E-04	1.46E-04	4.48E-10	9.07E-07	1.08E-06	1.48E-04	1.86E-04	4.42E-04	6.80E-05	3.95E-05	7.36E-04
3877	494863.09	3852877.25	0.04382	0.01523	0.0106	0.01261	1.64E-04	4.54E-04	6.74E-05	3.98E-05	7.25E-04	1.49E-04	4.60E-10	8.98E-07	1.09E-06	1.51E-04	1.89E-04	4.54E-04	6.74E-05	3.98E-05	7.51E-04
3878	495363.09	3852877.25	0.04173	0.01487	0.0111	0.01256	1.56E-04	4.44E-04	7.05E-05	3.97E-05	7.10E-04	1.42E-04	4.49E-10	9.41E-07	1.08E-06	1.44E-04	1.80E-04	4.44E-04	7.05E-05	3.97E-05	7.34E-04
3879	495863.09	3852877.25	0.03949	0.01449	0.0119	0.01246	1.47E-04	4.32E-04	7.60E-05	3.93E-05	6.95E-04	1.34E-04	4.38E-10	1.01E-06	1.07E-06	1.36E-04	1.70E-04	4.32E-04	7.60E-05	3.93E-05	7.18E-04
3880	496363.09	3852877.25	0.03877	0.01454	0.0129	0.01243	1.45E-04	4.34E-04	8.22E-05	3.92E-05	7.00E-04	1.32E-04	4.39E-10	1.10E-06	1.07E-06	1.34E-04	1.67E-04	4.34E-04	8.22E-05	3.92E-05	7.23E-04
3881	496863.09	3852877.25	0.03689	0.01431	0.0137	0.01233	1.38E-04	4.27E-04	8.73E-05	3.89E-05	6.91E-04	1.25E-04	4.32E-10	1.16E-06	1.06E-06	1.27E-04	1.59E-04	4.27E-04	8.73E-05	3.89E-05	7.12E-04
3882	497363.09	3852877.25	0.03185	0.01305	0.014	0.01203	1.19E-04	3.89E-04	8.96E-05	3.80E-05	6.36E-04	1.08E-04	3.94E-10	1.19E-06	1.04E-06	1.10E-04	1.37E-04	3.89E-04	8.96E-05	3.80E-05	6.54E-04
3883	497863.09	3852877.25	0.02443	0.01099	0.014	0.01163	9.12E-05	3.28E-04	8.93E-05	3.67E-05	5.45E-04	8.29E-05	3.32E-10	1.19E-06	1.00E-06	8.51E-05	1.05E-04	3.28E-04	8.93E-05	3.67E-05	5.59E-04
3884	498363.09	3852877.25	0.02297	0.01073	0.0148	0.01153	8.57E-05	3.20E-04	9.45E-05	3.64E-05	5.37E-04	7.80E-05	3.24E-10	1.26E-06	9.93E-07	8.02E-05	9.91E-05	3.20E-04	9.45E-05	3.64E-05	5.50E-04
3885	471363.09	3853377.25	0.00825	0.00475	0.0037	0.00352	3.08E-05	1.42E-04	2.38E-05	1.11E-05	2.07E-04	2.80E-05	1.43E-10	3.17E-07	3.03E-07	2.86E-05	3.56E-05	1.42E-04	2.38E-05	1.11E-05	2.12E-04
3886	471863.09	3853377.25	0.00907	0.00503	0.0038	0.00365	3.38E-05	1.50E-04	2.42E-05	1.15E-05	2.20E-04	3.08E-05	1.52E-10	3.23E-07	3.14E-07	3.14E-05	3.91E-05	1.50E-04	2.42E-05	1.15E-05	2.25E-04
3887	472363.09	3853377.25	0.00976	0.00531	0.0038	0.00378	3.64E-05	1.58E-04	2.44E-05	1.19E-05	2.31E-04	3.31E-05	1.60E-10	3.26E-07	3.25E-07	3.38E-05	4.21E-05	1.58E-04	2.44E-05	1.19E-05	2.37E-04
3888	472863.09	3853377.25	0.01046	0.00561	0.0039	0.0039	3.90E-05	1.67E-04	2.46E-05	1.23E-05	2.43E-04	3.55E-05	1.69E-10	3.27E-07	3.36E-07	3.62E-05	4.51E-05	1.67E-04	2.46E-05	1.23E-05	2.49E-04
3889	473363.09	3853377.25	0.01103	0.00583	0.0039	0.00399	4.12E-05	1.74E-04	2.46E-05	1.26E-05	2.52E-04	3.74E-05	1.76E-10	3.28E-07	3.44E-07	3.81E-05	4.76E-05	1.74E-04	2.46E-05	1.26E-05	2.59E-04
3890	473863.09	3853377.25	0.01169	0.00608	0.0039	0.00408	4.36E-05	1.81E-04	2.49E-05	1.29E-05	2.63E-04	3.97E-05	1.84E-10	3.33E-07	3.51E-07	4.04E-05	5.04E-05	1.81E-04	2.49E-05	1.29E-05	2.70E-04
3891	474363.09	3853377.25	0.0124	0.00631	0.004	0.00415	4.63E-05	1.88E-04	2.56E-05	1.31E-05	2.73E-04	4.21E-05	1.91E-10	3.42E-07	3.57E-07	4.28E-05	5.35E-05	1.88E-04	2.56E-05	1.31E-05	2.81E-04
3892	474863.09	3853377.25	0.01257	0.00618	0.0041	0.0042	4.69E-05	1.84E-04	2.63E-05	1.33E-05	2.71E-04	4.27E-05	1.87E-10	3.50E-07	3.62E-07	4.34E-05	5.42E-05	1.84E-04	2.63E-05	1.33E-05	2.78E-04
3893	475363.09	3853377.25	0.01299	0.00621	0.0043	0.00429	4.85E-05	1.85E-04	2.71E-05	1.35E-05	2.74E-04	4.41E-05	1.88E-10	3.61E-07	3.69E-07	4.48E-05	5.61E-05	1.85E-04	2.71E-05	1.35E-05	2.82E-04
3894	475863.09	3853377.25	0.0133	0.00624	0.0043	0.00439	4.96E-05	1.86E-04	2.75E-05	1.39E-05	2.77E-04	4.52E-05	1.88E-10	3.67E-07	3.78E-07	4.59E-05	5.74E-05	1.86E-04	2.75E-05	1.39E-05	2.85E-04
3895	476363.09	3853377.25	0.01257	0.00594	0.0042	0.00445	4.69E-05	1.77E-04	2.65E-05	1.41E-05	2.65E-04	4.27E-05	1.79E-10	3.53E-07	3.83E-07	4.34E-05	5.42E-05	1.77E-04	2.65E-05	1.41E-05	2.72E-04
3896	476863.09	3853377.25	0.01092	0.0054	0.0038	0.00448	4.07E-05	1.61E-04	2.42E-05	1.41E-05	2.40E-04	3.71E-05	1.63E-10	3.23E-07	3.86E-07	3.78E-05	4.71E-05	1.61E-04	2.42E-05	1.41E-05	2.47E-04
3897	477363.09	3853377.25	0.01075	0.00544	0.0035	0.00453	4.01E-05	1.62E-04	2.25E-05	1.43E-05	2.39E-04	3.65E-05	1.64E-10	2.99E-07	3.90E-07	3.72E-05	4.64E-05	1.62E-04	2.25E-05	1.43E-05	2.45E-04
3898	477863.09	3853377.25	0.01082	0.00559	0.0032	0.00459	4.04E-05	1.67E-04	2.05E-05	1.45E-05	2.42E-04	3.67E-05	1.69E-10	2.74E-07	3.95E-07	3.74E-05	4.67E-05	1.67E-04	2.05E-05	1.45E-05	2.48E-04
3899	478363.09	3853377.25	0.00918	0.0051	0.0028	0.00465	3.43E-05	1.52E-04	1.77E-05	1.47E-05	2.19E-04	3.12E-05	1.54E-10	2.36E-07	4.00E-07	3.18E-05	3.96E-05	1.52E-04	1.77E-05	1.47E-05	2.24E-04
3900	478863.09	3853377.25	0.00713	0.00451	0.0025	0.00472	2.66E-05	1.35E-04	1.58E-05	1.49E-05	1.92E-04	2.42E-05	1.36E-10	2.11E-07	4.06E-07	2.48E-05	3.08E-05	1.35E-04	1.58E-05	1.49E-05	1.96E-04

3901	479363.09	3853377.25	0.01163	0.00622	0.0026	0.005	4.34E-05	1.86E-04	1.66E-05	1.58E-05	2.61E-04	3.95E-05	1.88E-10	2.22E-07	4.31E-07	4.01E-05	5.02E-05	1.86E-04	1.66E-05	1.58E-05	2.68E-04
3902	479863.09	3853377.25	0.0179	0.00806	0.0028	0.00525	6.68E-05	2.40E-04	1.79E-05	1.66E-05	3.42E-04	6.08E-05	2.43E-10	2.38E-07	4.52E-07	6.15E-05	7.72E-05	2.40E-04	1.79E-05	1.66E-05	3.52E-04
3903	480363.09	3853377.25	0.02929	0.01215	0.003	0.00547	1.09E-04	3.62E-04	1.89E-05	1.73E-05	5.08E-04	9.94E-05	3.67E-10	2.52E-07	4.71E-07	1.00E-04	1.26E-04	3.62E-04	1.89E-05	1.73E-05	5.25E-04
3904	480863.09	3853377.25	0.03292	0.01242	0.003	0.00561	1.23E-04	3.71E-04	1.94E-05	1.77E-05	5.30E-04	1.12E-04	3.75E-10	2.59E-07	4.83E-07	1.13E-04	1.42E-04	3.71E-04	1.94E-05	1.77E-05	5.50E-04
3905	481363.09	3853377.25	0.04075	0.02035	0.0031	0.00593	1.52E-04	6.07E-04	1.99E-05	1.87E-05	7.98E-04	1.38E-04	6.15E-10	2.65E-07	5.11E-07	1.39E-04	1.76E-04	6.07E-04	1.99E-05	1.87E-05	8.22E-04
3906	481863.09	3853377.25	0.04146	0.02783	0.0033	0.00625	1.55E-04	8.30E-04	2.10E-05	1.97E-05	1.03E-03	1.41E-04	8.40E-10	2.81E-07	5.38E-07	1.42E-04	1.79E-04	8.30E-04	2.10E-05	1.97E-05	1.05E-03
3907	482363.09	3853377.25	0.04144	0.02533	0.0034	0.00694	1.55E-04	7.56E-04	2.16E-05	2.19E-05	9.54E-04	1.41E-04	7.65E-10	2.88E-07	5.98E-07	1.42E-04	1.79E-04	7.56E-04	2.16E-05	2.19E-05	9.78E-04
3908	482863.09	3853377.25	0.05576	0.02455	0.0034	0.00763	2.08E-04	7.32E-04	2.18E-05	2.41E-05	9.86E-04	1.89E-04	7.41E-10	2.90E-07	6.57E-07	1.90E-04	2.41E-04	7.32E-04	2.18E-05	2.41E-05	1.02E-03
3909	483363.09	3853377.25	0.06412	0.0177	0.0034	0.00759	2.39E-04	5.28E-04	2.18E-05	2.40E-05	8.13E-04	2.18E-04	5.35E-10	2.91E-07	6.54E-07	2.19E-04	2.77E-04	5.28E-04	2.18E-05	2.40E-05	8.51E-04
3910	483863.09	3853377.25	0.05294	0.01405	0.004	0.00806	1.98E-04	4.19E-04	2.58E-05	2.54E-05	6.68E-04	1.80E-04	4.24E-10	3.44E-07	6.94E-07	1.81E-04	2.28E-04	4.19E-04	2.58E-05	2.54E-05	6.99E-04
3911	484363.09	3853377.25	0.04848	0.01318	0.0046	0.008	1.81E-04	3.93E-04	2.95E-05	2.53E-05	6.29E-04	1.65E-04	3.98E-10	3.94E-07	6.89E-07	1.66E-04	2.09E-04	3.93E-04	2.95E-05	2.53E-05	6.57E-04
3912	484863.09	3853377.25	0.03787	0.01031	0.0048	0.0091	1.41E-04	3.08E-04	3.03E-05	2.87E-05	5.08E-04	1.29E-04	3.11E-10	4.04E-07	7.84E-07	1.30E-04	1.63E-04	3.08E-04	3.03E-05	2.87E-05	5.30E-04
3913	485363.09	3853377.25	0.02111	0.00797	0.0072	0.00976	7.88E-05	2.38E-04	4.57E-05	3.08E-05	3.93E-04	7.17E-05	2.41E-10	6.09E-07	8.40E-07	7.31E-05	9.11E-05	2.38E-04	4.57E-05	3.08E-05	4.05E-04
3914	485863.09	3853377.25	0.01395	0.00713	0.0052	0.0097	5.21E-05	2.13E-04	3.33E-05	3.06E-05	3.29E-04	4.74E-05	2.15E-10	4.44E-07	8.35E-07	4.86E-05	6.02E-05	2.13E-04	3.33E-05	3.06E-05	3.37E-04
3915	486363.09	3853377.25	0.01475	0.00802	0.0063	0.0105	5.50E-05	2.39E-04	4.03E-05	3.32E-05	3.68E-04	5.01E-05	2.42E-10	5.37E-07	9.04E-07	5.15E-05	6.36E-05	2.39E-04	4.03E-05	3.32E-05	3.76E-04
3916	486863.09	3853377.25	0.01568	0.00879	0.0074	0.01094	5.85E-05	2.62E-04	4.73E-05	3.45E-05	4.03E-04	5.32E-05	2.65E-10	6.31E-07	9.42E-07	5.48E-05	6.77E-05	2.62E-04	4.73E-05	3.45E-05	4.12E-04
3917	487363.09	3853377.25	0.0187	0.00979	0.0067	0.01123	6.98E-05	2.92E-04	4.25E-05	3.55E-05	4.40E-04	6.35E-05	2.96E-10	5.66E-07	9.67E-07	6.50E-05	8.07E-05	2.92E-04	4.25E-05	3.55E-05	4.51E-04
3918	487863.09	3853377.25	0.02288	0.01062	0.0047	0.01156	8.54E-05	3.17E-04	3.00E-05	3.65E-05	4.69E-04	7.77E-05	3.21E-10	4.01E-07	9.95E-07	7.91E-05	9.87E-05	3.17E-04	3.00E-05	3.65E-05	4.82E-04
3919	488363.09	3853377.25	0.02798	0.01168	0.0051	0.01217	1.04E-04	3.48E-04	3.22E-05	3.84E-05	5.23E-04	9.50E-05	3.53E-10	4.29E-07	1.05E-06	9.65E-05	1.21E-04	3.48E-04	3.22E-05	3.84E-05	5.40E-04
3920	488863.09	3853377.25	0.03222	0.01231	0.006	0.01281	1.20E-04	3.67E-04	3.80E-05	4.04E-05	5.66E-04	1.09E-04	3.72E-10	5.06E-07	1.10E-06	1.11E-04	1.39E-04	3.67E-04	3.80E-05	4.04E-05	5.85E-04
3921	489363.09	3853377.25	0.03594	0.01281	0.0064	0.01306	1.34E-04	3.82E-04	4.07E-05	4.12E-05	5.98E-04	1.22E-04	3.87E-10	5.43E-07	1.12E-06	1.24E-04	1.55E-04	3.82E-04	4.07E-05	4.12E-05	6.19E-04
3922	489863.09	3853377.25	0.03795	0.01321	0.007	0.01317	1.42E-04	3.94E-04	4.48E-05	4.16E-05	6.22E-04	1.29E-04	3.99E-10	5.98E-07	1.13E-06	1.31E-04	1.64E-04	3.94E-04	4.48E-05	4.16E-05	6.44E-04
3923	490363.09	3853377.25	0.04298	0.01443	0.0071	0.01357	1.60E-04	4.30E-04	4.55E-05	4.28E-05	6.79E-04	1.46E-04	4.36E-10	6.06E-07	1.17E-06	1.48E-04	1.85E-04	4.30E-04	4.55E-05	4.28E-05	7.04E-04
3924	490863.09	3853377.25	0.04728	0.01526	0.0068	0.01389	1.76E-04	4.55E-04	4.33E-05	4.39E-05	7.19E-04	1.61E-04	4.61E-10	5.77E-07	1.20E-06	1.62E-04	2.04E-04	4.55E-04	4.33E-05	4.39E-05	7.46E-04
3925	491363.09	3853377.25	0.05106	0.01611	0.0065	0.01406	1.91E-04	4.81E-04	4.11E-05	4.44E-05	7.57E-04	1.73E-04	4.86E-10	5.49E-07	1.21E-06	1.75E-04	2.20E-04	4.81E-04	4.11E-05	4.44E-05	7.86E-04
3926	491863.09	3853377.25	0.05398	0.01681	0.0083	0.01412	2.01E-04	5.01E-04	5.27E-05	4.46E-05	8.00E-04	1.83E-04	5.08E-10	7.02E-07	1.22E-06	1.85E-04	2.33E-04	5.01E-04	5.27E-05	4.46E-05	8.32E-04
3927	492363.09	3853377.25	0.0582	0.01783	0.0113	0.01425	2.17E-04	5.32E-04	7.21E-05	4.50E-05	8.66E-04	1.98E-04	5.38E-10	9.61E-07	1.23E-06	2.00E-04	2.51E-04	5.32E-04	7.21E-05	4.50E-05	9.00E-04
3928	492863.09	3853377.25	0.06175	0.01887	0.0141	0.01442	2.30E-04	5.63E-04	8.96E-05	4.55E-05	9.29E-04	2.10E-04	5.70E-10	1.19E-06	1.24E-06	2.12E-04	2.66E-04	5.63E-04	8.96E-05	4.55E-05	9.65E-04
3929	493363.09	3853377.25	0.06173	0.01933	0.0136	0.01436	2.30E-04	5.77E-04	8.68E-05	4.53E-05	9.39E-04	2.10E-04	5.84E-10	1.16E-06	1.24E-06	2.12E-04	2.66E-04	5.77E-04	8.68E-05	4.53E-05	9.75E-04
3930	493863.09	3853377.25	0.06111	0.01951	0.0128	0.0144	2.28E-04	5.82E-04	8.15E-05	4.55E-05	9.37E-04	2.07E-04	5.89E-10	1.09E-06	1.24E-06	2.10E-04	2.64E-04	5.82E-04	8.15E-05	4.55E-05	9.73E-04
3931	494363.09	3853377.25	0.0585	0.01913	0.0123	0.01432	2.18E-04	5.71E-04	7.86E-05	4.52E-05	9.13E-04	1.99E-04	5.78E-10	1.05E-06	1.23E-06	2.01E-04	2.52E-04	5.71E-04	7.86E-05	4.52E-05	9.47E-04
3932	494863.09	3853377.25	0.05501	0.01854	0.0134	0.01419	2.05E-04	5.53E-04	8.57E-05	4.48E-05	8.89E-04	1.87E-04	5.60E-10	1.14E-06	1.22E-06	1.89E-04	2.37E-04	5.53E-04	8.57E-05	4.48E-05	9.21E-04
3933	495363.09	3853377.25	0.05309	0.01839	0.0148	0.01411	1.98E-04	5.49E-04	9.46E-05	4.46E-05	8.86E-04	1.80E-04	5.55E-10	1.26E-06	1.22E-06	1.83E-04	2.29E-04	5.49E-04	9.46E-05	4.46E-05	9.17E-04
3934	495863.09	3853377.25	0.05004	0.01792	0.0157	0.01391	1.87E-04	5.35E-04	1.00E-04	4.39E-05	8.66E-04	1.70E-04	5.41E-10	1.34E-06	1.20E-06	1.72E-04	2.16E-04	5.35E-04	1.00E-04	4.39E-05	8.95E-04
3935	496363.09	3853377.25	0.04585	0.0171	0.0163	0.01363	1.71E-04	5.10E-04	1.04E-04	4.30E-05	8.28E-04	1.56E-04	5.16E-10	1.39E-06	1.17E-06	1.58E-04	1.98E-04	5.10E-04	1.04E-04	4.30E-05	8.55E-04
3936	496863.09	3853377.25	0.04027	0.01582	0.0169	0.01329	1.50E-04	4.72E-04	1.08E-04	4.20E-05	7.72E-04	1.37E-04	4.78E-10	1.44E-06	1.14E-06	1.39E-04	1.74E-04	4.72E-04	1.08E-04	4.20E-05	7.96E-04
3937	497363.09	3853377.25	0.0336	0.01418	0.0174	0.01292	1.25E-04	4.23E-04	1.11E-04	4.08E-05	7.00E-04	1.14E-04	4.28E-10	1.48E-06	1.11E-06	1.17E-04	1.45E-04	4.23E-04	1.11E-04	4.08E-05	7.20E-04
3938	497863.09	3853377.25	0.02301	0.01096	0.0168	0.0121	8.59E-05	3.27E-04	1.07E-04	3.82E-05	5.58E-04	7.81E-05	3.31E-10	1.43E-06	1.04E-06	8.06E-05	9.93E-05	3.27E-04	1.07E-04	3.82E-05	5.72E-04
3939	498363.09	3853377.25	0.01822	0.00943	0.0168	0.01148	6.80E-05	2.81E-04	1.07E-04	3.62E-05	4.93E-04	6.19E-05	2.85E-10	1.43E-06	9.89E-07	6.43E-05	7.86E-05	2.81E-04	1.07E-04	3.62E-05	5.03E-04
3940	471363.09	3853877.25	0.00809	0.0051	0.004	0.00351	3.02E-05	1.52E-04	2.53E-05	1.11E-05	2.19E-04	2.75E-05	1.54E-10	3.37E-07	3.02E-07	2.81E-05	3.49E-05	1.52E-04	2.53E-05	1.11E-05	2.23E-04
3941	471863.09	3853877.25	0.00907	0.00548	0.0042	0.00365	3.38E-05	1.63E-04	2.67E-05	1.15E-05	2.36E-04	3.08E-05	1.65E-10	3.56E-07	3.14E-07	3.15E-05	3.91E-05	1.63E-04	2.67E-05	1.15E-05	2.41E-04
3942	472363.09	3853877.25	0.00973	0.00566	0.0043	0.00379	3.63E-05	1.69E-04	2.74E-05	1.20E-05	2.44E-04	3.30E-05	1.71E-10	3.65E-07	3.26E-07	3.37E-05	4.20E-05	1.69E-04	2.74E-05	1.20E-05	2.50E-04
3943	472863.09	3853877.25	0.01054	0.00591	0.0044	0.00396	3.93E-05	1.76E-04	2.79E-05	1.25E-05	2.56E-04	3.58E-05	1.78E-10	3.73E-07	3.41E-07	3.65E-05	4.55E-05	1.76E-04	2.79E-05	1.25E-05	2.62E-04
3944	473363.09	3853877.25	0.01114	0.00603	0.0044	0.0041	4.16E-05	1.80E-04	2.79E-05	1.29E-05	2.62E-04	3.78E-05	1.82E-10	3.72E-07	3.53E-07	3.85E-05	4.81E-05	1.80E-04	2.79E-05	1.29E-05	2.69E-04
3945	473863.09	3853877.25	0.01176	0.0062	0.0044	0.00425	4.39E-05	1.85E-04	2.77E-05	1.34E-05	2.70E-04	3.99E-05	1.87E-10	3.70E-07	3.66E-07	4.07E-05	5.07E-05	1.85E-04	2.77E-05	1.34E-05	2.77E-04
3946	474363.09	3853877.25	0.01253	0.00648	0.0043	0.0044	4.68E-05	1.93E-04	2.76E-05	1.39E-05	2.82E-04	4.25E-05	1.96E-10	3.68E-07	3.79E-07	4.33E-05	5.41E-05	1.93E-04	2.76E-05	1.39E-05	2.89E-04
3947	474863.09	3853877.25	0.01316	0.00668	0.0043	0.00452	4.91E-05	1.99E-04	2.76E-05	1.43E-05	2.90E-04	4.47E-05	2.02E-10	3.67E-07	3.89E-07	4.54E-05	5.68E-05	1.99E-04	2.76E-05	1.43E-05	2.98E-04
3948	475363.09	3853877.25	0.01295	0.00649	0.0043	0.00457	4.83E-05	1.94E-04	2.75E-05	1.44E-05	2.84E-04	4.40E-05	1.96E-10	3.67E-07	3.94E-07	4.47E-05	5.59E-05	1.94E-04	2.75E-05	1.44E-05	2.91E-04
3949	475863.09	3853877.25	0.01129	0.00586	0.0043	0.00458	4.21E-05	1.75E-04	2.72E-05	1.45E-05	2.59E-04	3.83E-05	1.77E-10	3.63E-07	3.94E-07	3.91E-05	4.87E-05	1.75E-04	2.72E-05	1.45E-05	2.65E-04
3950	476363.09	3853877.25	0.0096	0.0053	0.0042	0.00462	3.58E-05	1.58E-04	2.69E-05	1.46E-05	2.35E-04	3.26E-05	1.60E-10	3.59E-07	3.98E-07	3.33E-05	4.14E-05	1.58E-04	2.69E-05	1.46E-05	2.41E-04
3951	476863.09	3853877.25	0.00776	0.0047	0.004	0.00469	2.90E-05	1.40E-04	2.52E-05	1.48E-05	2.09E-04	2.63E-05	1.42E-10	3.36E-07	4.04E-07	2.71E-05	3.35E-05	1.40E-04	2.52E-05	1.48E-05	2.14E-04
3952	477363.09	3853877.25	0.00858	0.00496	0.0039	0.00484	3.20E-05	1.48E-04	2.48E-05	1.53E-05	2.20E-04	2.91E-05	1.50E-10	3.31E-07	4.17E-07	2.99E-05	3.70E-05	1.48E-04	2.48E-05	1.53E-05	2.25E-04
3953	477863.09	3853877.25	0.00991	0.00545	0.0039	0.00502	3.70E-05	1.63E-04	2.47E-05	1.59E-05	2.40E-04	3.36E-05	1.65E-10	3.29E-07	4.32E-07	3.44E-05	4.28E-05	1.63E-04	2.47E-05	1.59E-05	2.46E-04
3954	478363.09	3853877.25	0.01057	0.00576	0.0037	0.00518	3.94E-05	1.72E-04	2.35E-05	1.64E-05	2.51E-04	3.59E-05	1.74E-10	3.13E-07	4.46E-07	3.66E-05	4.56E-05	1.72E-04	2.35E-05	1.64E-05	2.57E-04
3955	478863.09	3853877.25	0.00768	0.00482	0.0032	0.00526	2.87E-05	1.44E-04	2.02E-05	1.66E-05	2.09E-04	2.61E-05	1.46E-10	2.69E-07	4.53E-07	2.68E-05	3.31E-05	1.44E-04	2.02E-05	1.66E-05	2.14E-04
3956	479363.09	3853877.25	0.0103	0.00587	0.0031	0.0055	3.84E-05	1.75E-04	1.95E-05	1.74E-05	2.50E-04	3.50E-05	1.77E-10	2.60E-07	4.74E-07	3.57E-05	4.44E-05	1.75E-04	1.95E-05	1.74E-05	2.56E-04
3957	479863.09	3853877.25	0.01863	0.00859	0.0032	0.00589	6.95E-05	2.56E-04	2.03E-05	1.86E-05	3.65E-04	6.32E-05	2.59E-10	2.70E-07	5.07E-07	6.40E-05	8.04E-05	2.56E-04	2.03E-05	1.86E-05	3.76E-04
3958	480363.09	3853877.25	0.0268	0.01098	0.0031	0.00636	1.00E-04	3.28E-04	1.99E-05	2.01E-05	4.68E-04	9.10E-05	3.32E-10	2.65E-07	5.48E-07	9.18E-05	1.16E-04	3.28E-04	1.99E-05	2.01E-05	4.83E-04
3959	480863.09	3853877.25	0.03807	0.01628	0.0032	0.0067	1.42E-04	4.86E-04	2.03E-05	2.12E-05	6.69E-04	1.29E-04	4.92E-10	2.70E-07	5.77E-07	1.30E-04	1.64E-04	4.86E-04	2.03E-05	2.12E-05	6.91E-04
3960	481363.09	3853877.25	0.04528	0.02268	0.0033	0.0071	1.69E-04	6.77E-04	2.11E-05	2.24E-05	8.89E-04	1.54E-04	6.85E-10	2.82E-07	6.11E-07	1.55E-04	1.95E-04	6.77E-04	2.11E-05	2.24E-05	9.16E-04
3961	481863.09	3853877.25	0.05156	0.03736	0.0035	0.00795	1.92E-04	1.11E-03	2.24E-05	2.51E-05	1.35E-03	1.75E-04	1.13E-09	2.99E-07	6.85E-07	1.76E-04	2.22E-04	1.11E-03	2.24E-05	2.51E-05	1.38E-03

3962	482363.09	3853877.25	0.05821	0.03556	0.0036	0.00896	2.17E-04	1.06E-03	2.30E-05	2.83E-05	1.33E-03	1.98E-04	1.07E-09	3.07E-07	7.72E-07	1.99E-04	2.51E-04	1.06E-03	2.30E-05	2.83E-05	1.36E-03
3963	482863.09	3853877.25	0.06216	0.03067	0.0037	0.01034	2.32E-04	9.15E-04	2.35E-05	3.26E-05	1.20E-03	2.11E-04	9.26E-10	3.14E-07	8.90E-07	2.12E-04	2.68E-04	9.15E-04	2.35E-05	3.26E-05	1.24E-03
3964	483363.09	3853877.25	0.08341	0.02377	0.0037	0.0101	3.11E-04	7.09E-04	2.37E-05	3.19E-05	1.08E-03	2.83E-04	7.18E-10	3.16E-07	8.70E-07	2.84E-04	3.60E-04	7.09E-04	2.37E-05	3.19E-05	1.12E-03
3965	483863.09	3853877.25	0.09185	0.02092	0.0038	0.01095	3.43E-04	6.24E-04	2.42E-05	3.46E-05	1.03E-03	3.12E-04	6.32E-10	3.22E-07	9.43E-07	3.13E-04	3.96E-04	6.24E-04	2.42E-05	3.46E-05	1.08E-03
3966	484363.09	3853877.25	0.0688	0.01585	0.0048	0.01226	2.57E-04	4.73E-04	3.05E-05	3.87E-05	7.99E-04	2.34E-04	4.79E-10	4.07E-07	1.06E-06	2.35E-04	2.97E-04	4.73E-04	3.05E-05	3.87E-05	8.39E-04
3967	484863.09	3853877.25	0.04359	0.01276	0.0059	0.01383	1.63E-04	3.81E-04	3.74E-05	4.37E-05	6.24E-04	1.48E-04	3.85E-10	4.98E-07	1.19E-06	1.50E-04	1.88E-04	3.81E-04	3.74E-05	4.37E-05	6.50E-04
3968	485363.09	3853877.25	0.02296	0.01068	0.0056	0.01391	8.57E-05	3.19E-04	3.55E-05	4.39E-05	4.84E-04	7.79E-05	3.23E-10	4.73E-07	1.20E-06	7.96E-05	9.91E-05	3.19E-04	3.55E-05	4.39E-05	4.97E-04
3969	485863.09	3853877.25	0.02584	0.01267	0.0074	0.01469	9.64E-05	3.78E-04	4.70E-05	4.64E-05	5.68E-04	8.77E-05	3.83E-10	6.27E-07	1.26E-06	8.96E-05	1.12E-04	3.78E-04	4.70E-05	4.64E-05	5.83E-04
3970	486363.09	3853877.25	0.02651	0.01356	0.0066	0.01474	9.89E-05	4.05E-04	4.18E-05	4.65E-05	5.92E-04	9.00E-05	4.09E-10	5.57E-07	1.27E-06	9.18E-05	1.14E-04	4.05E-04	4.18E-05	4.65E-05	6.07E-04
3971	486863.09	3853877.25	0.02944	0.0141	0.0086	0.01465	1.10E-04	4.21E-04	5.45E-05	4.63E-05	6.31E-04	9.99E-05	4.26E-10	7.27E-07	1.26E-06	1.02E-04	1.27E-04	4.21E-04	5.45E-05	4.63E-05	6.48E-04
3972	487363.09	3853877.25	0.03747	0.01544	0.0086	0.01536	1.40E-04	4.61E-04	5.49E-05	4.85E-05	7.04E-04	1.27E-04	4.66E-10	7.31E-07	1.32E-06	1.29E-04	1.62E-04	4.61E-04	5.49E-05	4.85E-05	7.26E-04
3973	487863.09	3853877.25	0.05077	0.0176	0.0056	0.01622	1.89E-04	5.25E-04	3.57E-05	5.12E-05	8.01E-04	1.72E-04	5.31E-10	4.76E-07	1.40E-06	1.74E-04	2.19E-04	5.25E-04	3.57E-05	5.12E-05	8.31E-04
3974	488363.09	3853877.25	0.06004	0.01892	0.0058	0.01654	2.24E-04	5.64E-04	3.70E-05	5.22E-05	8.78E-04	2.04E-04	5.71E-10	4.93E-07	1.42E-06	2.06E-04	2.59E-04	5.64E-04	3.70E-05	5.22E-05	9.13E-04
3975	488863.09	3853877.25	0.07143	0.02067	0.0068	0.01728	2.67E-04	6.17E-04	4.34E-05	5.46E-05	9.81E-04	2.43E-04	6.24E-10	5.79E-07	1.49E-06	2.45E-04	3.08E-04	6.17E-04	4.34E-05	5.46E-05	1.02E-03
3976	489363.09	3853877.25	0.0722	0.02048	0.008	0.01721	2.69E-04	6.11E-04	5.10E-05	5.43E-05	9.86E-04	2.45E-04	6.18E-10	6.80E-07	1.48E-06	2.47E-04	3.12E-04	6.11E-04	5.10E-05	5.43E-05	1.03E-03
3977	489863.09	3853877.25	0.07759	0.02164	0.0095	0.01722	2.90E-04	6.46E-04	6.03E-05	5.44E-05	1.05E-03	2.63E-04	6.53E-10	8.04E-07	1.48E-06	2.66E-04	3.35E-04	6.46E-04	6.03E-05	5.44E-05	1.10E-03
3978	490363.09	3853877.25	0.07906	0.02196	0.0099	0.017	2.95E-04	6.55E-04	6.30E-05	5.37E-05	1.07E-03	2.68E-04	6.63E-10	8.39E-07	1.46E-06	2.71E-04	3.41E-04	6.55E-04	6.30E-05	5.37E-05	1.11E-03
3979	490863.09	3853877.25	0.08173	0.02259	0.0074	0.01692	3.05E-04	6.74E-04	4.70E-05	5.34E-05	1.08E-03	2.77E-04	6.82E-10	6.27E-07	1.46E-06	2.80E-04	3.53E-04	6.74E-04	4.70E-05	5.34E-05	1.13E-03
3980	491363.09	3853877.25	0.08426	0.02322	0.009	0.01692	3.14E-04	6.93E-04	5.73E-05	5.34E-05	1.12E-03	2.86E-04	7.01E-10	7.65E-07	1.46E-06	2.88E-04	3.64E-04	6.93E-04	5.73E-05	5.34E-05	1.17E-03
3981	491863.09	3853877.25	0.08556	0.02369	0.0133	0.01677	3.19E-04	7.07E-04	8.51E-05	5.29E-05	1.16E-03	2.90E-04	7.15E-10	1.13E-06	1.44E-06	2.93E-04	3.69E-04	7.07E-04	8.51E-05	5.29E-05	1.21E-03
3982	492363.09	3853877.25	0.08877	0.02498	0.0164	0.0167	3.31E-04	7.45E-04	1.04E-04	5.27E-05	1.23E-03	3.01E-04	7.54E-10	1.39E-06	1.44E-06	3.04E-04	3.83E-04	7.45E-04	1.04E-04	5.27E-05	1.29E-03
3983	492863.09	3853877.25	0.08915	0.02579	0.0167	0.01666	3.33E-04	7.69E-04	1.07E-04	5.26E-05	1.26E-03	3.03E-04	7.79E-10	1.42E-06	1.43E-06	3.06E-04	3.85E-04	7.69E-04	1.07E-04	5.26E-05	1.31E-03
3984	493363.09	3853877.25	0.08619	0.02565	0.0152	0.01662	3.22E-04	7.65E-04	9.72E-05	5.25E-05	1.24E-03	2.93E-04	7.75E-10	1.30E-06	1.43E-06	2.95E-04	3.72E-04	7.65E-04	9.72E-05	5.25E-05	1.29E-03
3985	493863.09	3853877.25	0.08184	0.02511	0.0153	0.0165	3.05E-04	7.49E-04	9.76E-05	5.21E-05	1.20E-03	2.78E-04	7.58E-10	1.30E-06	1.42E-06	2.81E-04	3.53E-04	7.49E-04	9.76E-05	5.21E-05	1.25E-03
3986	494363.09	3853877.25	0.07809	0.02478	0.018	0.01639	2.91E-04	7.39E-04	1.15E-04	5.17E-05	1.20E-03	2.65E-04	7.48E-10	1.53E-06	1.41E-06	2.68E-04	3.37E-04	7.39E-04	1.15E-04	5.17E-05	1.24E-03
3987	494863.09	3853877.25	0.07257	0.02386	0.0199	0.01607	2.71E-04	7.12E-04	1.27E-04	5.07E-05	1.16E-03	2.46E-04	7.21E-10	1.69E-06	1.38E-06	2.49E-04	3.13E-04	7.12E-04	1.27E-04	5.07E-05	1.20E-03
3988	495363.09	3853877.25	0.06228	0.02149	0.0192	0.01537	2.32E-04	6.41E-04	1.22E-04	4.85E-05	1.04E-03	2.11E-04	6.49E-10	1.63E-06	1.32E-06	2.14E-04	2.69E-04	6.41E-04	1.22E-04	4.85E-05	1.08E-03
3989	495863.09	3853877.25	0.05438	0.01981	0.0195	0.01488	2.03E-04	5.91E-04	1.24E-04	4.70E-05	9.65E-04	1.85E-04	5.98E-10	1.65E-06	1.28E-06	1.88E-04	2.35E-04	5.91E-04	1.24E-04	4.70E-05	9.97E-04
3990	496363.09	3853877.25	0.04936	0.0189	0.0204	0.01461	1.84E-04	5.64E-04	1.30E-04	4.61E-05	9.24E-04	1.68E-04	5.71E-10	1.73E-06	1.26E-06	1.71E-04	2.13E-04	5.64E-04	1.30E-04	4.61E-05	9.53E-04
3991	496863.09	3853877.25	0.04156	0.01706	0.021	0.01413	1.55E-04	5.09E-04	1.34E-04	4.46E-05	8.43E-04	1.41E-04	5.15E-10	1.79E-06	1.22E-06	1.44E-04	1.79E-04	5.09E-04	1.34E-04	4.46E-05	8.67E-04
3992	497363.09	3853877.25	0.0354	0.01557	0.0213	0.01375	1.32E-04	4.65E-04	1.36E-04	4.34E-05	7.76E-04	1.20E-04	4.70E-10	1.81E-06	1.18E-06	1.23E-04	1.53E-04	4.65E-04	1.36E-04	4.34E-05	7.96E-04
3993	497863.09	3853877.25	0.02791	0.01343	0.0214	0.01323	1.04E-04	4.01E-04	1.36E-04	4.18E-05	6.83E-04	9.48E-05	4.06E-10	1.82E-06	1.14E-06	9.77E-05	1.20E-04	4.01E-04	1.36E-04	4.18E-05	6.99E-04
3994	498363.09	3853877.25	0.02372	0.01214	0.0211	0.01269	8.85E-05	3.62E-04	1.35E-04	4.01E-05	6.26E-04	8.05E-05	3.67E-10	1.80E-06	1.09E-06	8.34E-05	1.02E-04	3.62E-04	1.35E-04	4.01E-05	6.39E-04
3995	471363.09	3854377.25	0.00791	0.00529	0.0038	0.00351	2.95E-05	1.58E-04	2.41E-05	1.11E-05	2.23E-04	2.69E-05	1.60E-10	3.21E-07	3.02E-07	2.75E-05	3.41E-05	1.58E-04	2.41E-05	1.11E-05	2.27E-04
3996	471863.09	3854377.25	0.00866	0.00574	0.0041	0.00365	3.23E-05	1.71E-04	2.59E-05	1.15E-05	2.41E-04	2.94E-05	1.73E-10	3.45E-07	3.14E-07	3.01E-05	3.74E-05	1.71E-04	2.59E-05	1.15E-05	2.46E-04
3997	472363.09	3854377.25	0.0093	0.00605	0.0043	0.00379	3.47E-05	1.80E-04	2.75E-05	1.20E-05	2.55E-04	3.16E-05	1.83E-10	3.67E-07	3.26E-07	3.23E-05	4.01E-05	1.80E-04	2.75E-05	1.20E-05	2.60E-04
3998	472863.09	3854377.25	0.0099	0.00625	0.0045	0.00393	3.69E-05	1.86E-04	2.88E-05	1.24E-05	2.65E-04	3.36E-05	1.89E-10	3.84E-07	3.38E-07	3.43E-05	4.27E-05	1.86E-04	2.88E-05	1.24E-05	2.70E-04
3999	473363.09	3854377.25	0.01071	0.00653	0.0047	0.00409	4.00E-05	1.95E-04	3.02E-05	1.29E-05	2.78E-04	3.64E-05	1.97E-10	4.03E-07	3.52E-07	3.71E-05	4.62E-05	1.95E-04	3.02E-05	1.29E-05	2.84E-04
4000	473863.09	3854377.25	0.01171	0.00687	0.0049	0.00428	4.37E-05	2.05E-04	3.15E-05	1.35E-05	2.94E-04	3.98E-05	2.07E-10	4.20E-07	3.69E-07	4.05E-05	5.05E-05	2.05E-04	3.15E-05	1.35E-05	3.01E-04
4001	474363.09	3854377.25	0.01275	0.00714	0.0051	0.00447	4.76E-05	2.13E-04	3.23E-05	1.41E-05	3.07E-04	4.33E-05	2.16E-10	4.30E-07	3.85E-07	4.41E-05	5.50E-05	2.13E-04	3.23E-05	1.41E-05	3.14E-04
4002	474863.09	3854377.25	0.01275	0.00681	0.0049	0.00459	4.76E-05	2.03E-04	3.14E-05	1.45E-05	2.97E-04	4.33E-05	2.06E-10	4.18E-07	3.95E-07	4.41E-05	5.50E-05	2.03E-04	3.14E-05	1.45E-05	3.04E-04
4003	475363.09	3854377.25	0.0115	0.00612	0.0048	0.00472	4.29E-05	1.83E-04	3.07E-05	1.49E-05	2.71E-04	3.90E-05	1.85E-10	4.10E-07	4.06E-07	3.99E-05	4.96E-05	1.83E-04	3.07E-05	1.49E-05	2.78E-04
4004	475863.09	3854377.25	0.00814	0.00499	0.0044	0.00467	3.04E-05	1.49E-04	2.79E-05	1.47E-05	2.22E-04	2.76E-05	1.51E-10	3.73E-07	4.02E-07	2.84E-05	3.51E-05	1.49E-04	2.79E-05	1.47E-05	2.27E-04
4005	476363.09	3854377.25	0.00739	0.00481	0.0044	0.00481	2.76E-05	1.43E-04	2.79E-05	1.52E-05	2.14E-04	2.51E-05	1.45E-10	3.73E-07	4.14E-07	2.59E-05	3.19E-05	1.43E-04	2.79E-05	1.52E-05	2.19E-04
4006	476863.09	3854377.25	0.00721	0.00482	0.0044	0.00498	2.69E-05	1.44E-04	2.80E-05	1.57E-05	2.14E-04	2.45E-05	1.46E-10	3.73E-07	4.29E-07	2.53E-05	3.11E-05	1.44E-04	2.80E-05	1.57E-05	2.19E-04
4007	477363.09	3854377.25	0.00723	0.00489	0.0044	0.00515	2.70E-05	1.46E-04	2.79E-05	1.63E-05	2.17E-04	2.45E-05	1.48E-10	3.73E-07	4.43E-07	2.54E-05	3.12E-05	1.46E-04	2.79E-05	1.63E-05	2.21E-04
4008	477863.09	3854377.25	0.00747	0.00501	0.0043	0.00536	2.79E-05	1.49E-04	2.76E-05	1.69E-05	2.22E-04	2.54E-05	1.51E-10	3.67E-07	4.62E-07	2.62E-05	3.22E-05	1.49E-04	2.76E-05	1.69E-05	2.26E-04
4009	478363.09	3854377.25	0.00888	0.00554	0.0043	0.0056	3.31E-05	1.65E-04	2.74E-05	1.77E-05	2.44E-04	3.01E-05	1.67E-10	3.66E-07	4.82E-07	3.10E-05	3.83E-05	1.65E-04	2.74E-05	1.77E-05	2.49E-04
4010	478863.09	3854377.25	0.00984	0.00595	0.0042	0.00586	3.67E-05	1.78E-04	2.70E-05	1.85E-05	2.60E-04	3.34E-05	1.80E-10	3.61E-07	5.05E-07	3.43E-05	4.25E-05	1.78E-04	2.70E-05	1.85E-05	2.66E-04
4011	479363.09	3854377.25	0.01541	0.00785	0.0046	0.00627	5.75E-05	2.34E-04	2.91E-05	1.98E-05	3.41E-04	5.23E-05	2.37E-10	3.89E-07	5.40E-07	5.32E-05	6.65E-05	2.34E-04	2.91E-05	1.98E-05	3.50E-04
4012	479863.09	3854377.25	0.02051	0.00944	0.0045	0.00669	7.65E-05	2.82E-04	2.88E-05	2.11E-05	4.08E-04	6.96E-05	2.85E-10	3.84E-07	5.76E-07	7.06E-05	8.85E-05	2.82E-04	2.88E-05	2.11E-05	4.20E-04
4013	480363.09	3854377.25	0.0287	0.01198	0.0043	0.00726	1.07E-04	3.57E-04	2.74E-05	2.29E-05	5.15E-04	9.74E-05	3.62E-10	3.66E-07	6.25E-07	9.84E-05	1.24E-04	3.57E-04	2.74E-05	2.29E-05	5.32E-04
4014	480863.09	3854377.25	0.04255	0.01649	0.0039	0.00797	1.59E-04	4.92E-04	2.47E-05	2.52E-05	7.01E-04	1.44E-04	4.98E-10	3.29E-07	6.86E-07	1.45E-04	1.84E-04	4.92E-04	2.47E-05	2.52E-05	7.25E-04
4015	481363.09	3854377.25	0.05423	0.02271	0.0036	0.00896	2.02E-04	6.78E-04	2.29E-05	2.83E-05	9.31E-04	1.84E-04	6.86E-10	3.05E-07	7.72E-07	1.85E-04	2.34E-04	6.78E-04	2.29E-05	2.83E-05	9.63E-04
4016	481863.09	3854377.25	0.06172	0.04821	0.0038	0.01069	2.30E-04	1.44E-03	2.41E-05	3.38E-05	1.73E-03	2.10E-04	1.46E-09	3.21E-07	9.21E-07	2.11E-04	2.66E-04	1.44E-03	2.41E-05	3.38E-05	1.76E-03
4017	482363.09	3854377.25	0.07127	0.05539	0.0039	0.0135	2.66E-04	1.65E-03	2.48E-05	4.26E-05	1.99E-03	2.42E-04	1.67E-09	3.31E-07	1.16E-06	2.43E-04	3.08E-04	1.65E-03	2.48E-05	4.26E-05	2.03E-03
4018	482863.09	3854377.25	0.08892	0.04465	0.0039	0.01769	3.32E-04	1.33E-03	2.51E-05	5.59E-05	1.74E-03	3.02E-04	1.35E-09	3.34E-07	1.52E-06	3.04E-04	3.84E-04	1.33E-03	2.51E-05	5.59E-05	1.80E-03
4019	483363.09	3854377.25	0.10794	0.03413	0.0041	0.01823	4.03E-04	1.02E-03	2.58E-05	5.76E-05	1.50E-03	3.66E-04	1.03E-09	3.44E-07	1.57E-06	3.68E-04	4.66E-04	1.02E-03	2.58E-05	5.76E-05	1.57E-03
4020	483863.09	3854377.25	0.12978	0.02564	0.0041	0.02504	4.84E-04	7.65E-04	2.63E-05	7.91E-05	1.35E-03	4.41E-04	7.74E-10	3.51E-07	2.16E-06	4.43E-04	5.60E-04	7.65E-04	2.63E-05	7.91E-05	1.43E-03
4021	484363.09	3854377.25	0.09171	0.02199	0.0044	0.02641	3.42E-04	6.56E-04	2.78E-05	8.34E-05	1.11E-03	3.11E-04	6.64E-10	3.71E-07	2.27E-06	3.14E-04	3.96E-04	6.56E-04	2.78E-05	8.34E-05	1.16E-03
4022	484863.09	3854377.25	0.04834	0.0198	0.0064	0.02306	1.80E-04	5.91E-04	4.09E-05	7.28E-05	8.85E-04	1.64E-04	5.98E-10	5.45E-07	1.99E-06	1.67E-04	2.09E-04	5.91E-04	4.09E-05	7.28E-05	9.13E-04

4023	485363.09	3854377.25	0.05769	0.02436	0.0063	0.02171	2.15E-04	7.27E-04	4.02E-05	6.85E-05	1.05E-03	1.96E-04	7.36E-10	5.36E-07	1.87E-06	1.98E-04	2.49E-04	7.27E-04	4.02E-05	6.85E-05	1.08E-03
4024	485863.09	3854377.25	0.05051	0.02271	0.008	0.02154	1.88E-04	6.78E-04	5.12E-05	6.80E-05	9.85E-04	1.71E-04	6.86E-10	6.82E-07	1.85E-06	1.74E-04	2.18E-04	6.78E-04	5.12E-05	6.80E-05	1.01E-03
4025	486363.09	3854377.25	0.06975	0.02483	0.0075	0.02123	2.60E-04	7.41E-04	4.80E-05	6.70E-05	1.12E-03	2.37E-04	7.50E-10	6.40E-07	1.83E-06	2.39E-04	3.01E-04	7.41E-04	4.80E-05	6.70E-05	1.16E-03
4026	486863.09	3854377.25	0.08004	0.0249	0.0097	0.02197	2.99E-04	7.43E-04	6.17E-05	6.94E-05	1.17E-03	2.72E-04	7.52E-10	8.23E-07	1.89E-06	2.74E-04	3.45E-04	7.43E-04	6.17E-05	6.94E-05	1.22E-03
4027	487363.09	3854377.25	0.09768	0.02673	0.0119	0.02235	3.64E-04	7.97E-04	7.56E-05	7.06E-05	1.31E-03	3.32E-04	8.07E-10	1.01E-06	1.92E-06	3.35E-04	4.22E-04	7.97E-04	7.56E-05	7.06E-05	1.37E-03
4028	487863.09	3854377.25	0.11874	0.02925	0.0068	0.0224	4.43E-04	8.73E-04	4.32E-05	7.07E-05	1.43E-03	4.03E-04	8.83E-10	5.77E-07	1.93E-06	4.06E-04	5.12E-04	8.73E-04	4.32E-05	7.07E-05	1.50E-03
4029	488363.09	3854377.25	0.13219	0.03093	0.0067	0.02245	4.93E-04	9.23E-04	4.27E-05	7.09E-05	1.53E-03	4.49E-04	9.34E-10	5.70E-07	1.93E-06	4.51E-04	5.70E-04	9.23E-04	4.27E-05	7.09E-05	1.61E-03
4030	488863.09	3854377.25	0.14114	0.03219	0.0079	0.0221	5.27E-04	9.60E-04	5.01E-05	6.98E-05	1.61E-03	4.79E-04	9.72E-10	6.68E-07	1.90E-06	4.82E-04	6.09E-04	9.60E-04	5.01E-05	6.98E-05	1.69E-03
4031	489363.09	3854377.25	0.14419	0.03301	0.0106	0.0215	5.38E-04	9.85E-04	6.77E-05	6.79E-05	1.66E-03	4.90E-04	9.97E-10	9.03E-07	1.85E-06	4.92E-04	6.22E-04	9.85E-04	6.77E-05	6.79E-05	1.74E-03
4032	489863.09	3854377.25	0.14298	0.03344	0.0132	0.021	5.34E-04	9.98E-04	8.41E-05	6.63E-05	1.68E-03	4.85E-04	1.01E-09	1.12E-06	1.81E-06	4.88E-04	6.17E-04	9.98E-04	8.41E-05	6.63E-05	1.76E-03
4033	490363.09	3854377.25	0.13883	0.03309	0.0102	0.02058	5.18E-04	9.87E-04	6.49E-05	6.50E-05	1.64E-03	4.71E-04	9.99E-10	8.65E-07	1.77E-06	4.74E-04	5.99E-04	9.87E-04	6.49E-05	6.50E-05	1.72E-03
4034	490863.09	3854377.25	0.11513	0.02865	0.0095	0.01967	4.30E-04	8.55E-04	6.05E-05	6.21E-05	1.41E-03	3.91E-04	8.65E-10	8.06E-07	1.69E-06	3.93E-04	4.97E-04	8.55E-04	6.05E-05	6.21E-05	1.47E-03
4035	491363.09	3854377.25	0.12477	0.03121	0.0155	0.01965	4.66E-04	9.31E-04	9.86E-05	6.20E-05	1.56E-03	4.24E-04	9.42E-10	1.31E-06	1.69E-06	4.27E-04	5.38E-04	9.31E-04	9.86E-05	6.20E-05	1.63E-03
4036	491863.09	3854377.25	0.12931	0.03343	0.0197	0.01949	4.83E-04	9.97E-04	1.26E-04	6.15E-05	1.67E-03	4.39E-04	1.01E-09	1.68E-06	1.68E-06	4.42E-04	5.58E-04	9.97E-04	1.26E-04	6.15E-05	1.74E-03
4037	492363.09	3854377.25	0.12759	0.03451	0.02	0.01928	4.76E-04	1.03E-03	1.27E-04	6.09E-05	1.69E-03	4.33E-04	1.04E-09	1.70E-06	1.66E-06	4.37E-04	5.51E-04	1.03E-03	1.27E-04	6.09E-05	1.77E-03
4038	492863.09	3854377.25	0.12137	0.03423	0.0181	0.01913	4.53E-04	1.02E-03	1.15E-04	6.04E-05	1.65E-03	4.12E-04	1.03E-09	1.54E-06	1.65E-06	4.15E-04	5.24E-04	1.02E-03	1.15E-04	6.04E-05	1.72E-03
4039	493363.09	3854377.25	0.11298	0.03313	0.0203	0.01891	4.22E-04	9.88E-04	1.30E-04	5.97E-05	1.60E-03	3.84E-04	1.00E-09	1.73E-06	1.63E-06	3.87E-04	4.88E-04	9.88E-04	1.30E-04	5.97E-05	1.67E-03
4040	493863.09	3854377.25	0.1045	0.03184	0.0247	0.01861	3.90E-04	9.50E-04	1.57E-04	5.88E-05	1.56E-03	3.55E-04	9.62E-10	2.10E-06	1.60E-06	3.58E-04	4.51E-04	9.50E-04	1.57E-04	5.88E-05	1.62E-03
4041	494363.09	3854377.25	0.09661	0.03063	0.0264	0.01821	3.60E-04	9.14E-04	1.69E-04	5.75E-05	1.50E-03	3.28E-04	9.25E-10	2.25E-06	1.57E-06	3.32E-04	4.17E-04	9.14E-04	1.69E-04	5.75E-05	1.56E-03
4042	494863.09	3854377.25	0.07818	0.02613	0.0245	0.01699	2.92E-04	7.80E-04	1.56E-04	5.36E-05	1.28E-03	2.65E-04	7.89E-10	2.08E-06	1.46E-06	2.69E-04	3.37E-04	7.80E-04	1.56E-04	5.36E-05	1.33E-03
4043	495363.09	3854377.25	0.06116	0.02218	0.0234	0.016	2.28E-04	6.62E-04	1.49E-04	5.05E-05	1.09E-03	2.08E-04	6.70E-10	1.99E-06	1.38E-06	2.11E-04	2.64E-04	6.62E-04	1.49E-04	5.05E-05	1.13E-03
4044	495863.09	3854377.25	0.05087	0.01989	0.0241	0.01539	1.90E-04	5.93E-04	1.54E-04	4.86E-05	9.86E-04	1.73E-04	6.01E-10	2.05E-06	1.33E-06	1.76E-04	2.20E-04	5.93E-04	1.54E-04	4.86E-05	1.02E-03
4045	496363.09	3854377.25	0.0457	0.01894	0.0251	0.01504	1.71E-04	5.65E-04	1.60E-04	4.75E-05	9.43E-04	1.55E-04	5.72E-10	2.13E-06	1.30E-06	1.59E-04	1.97E-04	5.65E-04	1.60E-04	4.75E-05	9.70E-04
4046	496863.09	3854377.25	0.03953	0.01752	0.0252	0.01465	1.48E-04	5.23E-04	1.61E-04	4.63E-05	8.77E-04	1.34E-04	5.29E-10	2.14E-06	1.26E-06	1.38E-04	1.71E-04	5.23E-04	1.61E-04	4.63E-05	9.00E-04
4047	497363.09	3854377.25	0.03103	0.01507	0.0251	0.01405	1.16E-04	4.50E-04	1.60E-04	4.44E-05	7.70E-04	1.05E-04	4.55E-10	2.14E-06	1.21E-06	1.09E-04	1.34E-04	4.50E-04	1.60E-04	4.44E-05	7.88E-04
4048	497863.09	3854377.25	0.03136	0.01558	0.0256	0.01406	1.17E-04	4.65E-04	1.63E-04	4.44E-05	7.90E-04	1.06E-04	4.70E-10	2.18E-06	1.21E-06	1.10E-04	1.35E-04	4.65E-04	1.63E-04	4.44E-05	8.08E-04
4049	498363.09	3854377.25	0.02685	0.01417	0.0252	0.01355	1.00E-04	4.23E-04	1.61E-04	4.28E-05	7.26E-04	9.12E-05	4.28E-10	2.14E-06	1.17E-06	9.45E-05	1.16E-04	4.23E-04	1.61E-04	4.28E-05	7.42E-04
4050	471363.09	3854877.25	0.00831	0.00544	0.0035	0.00351	3.10E-05	1.62E-04	2.26E-05	1.11E-05	2.27E-04	2.82E-05	1.64E-10	3.01E-07	3.02E-07	2.88E-05	3.59E-05	1.62E-04	2.26E-05	1.11E-05	2.32E-04
4051	471863.09	3854877.25	0.00893	0.00581	0.0037	0.00365	3.33E-05	1.73E-04	2.38E-05	1.15E-05	2.42E-04	3.03E-05	1.75E-10	3.17E-07	3.14E-07	3.09E-05	3.85E-05	1.73E-04	2.38E-05	1.15E-05	2.47E-04
4052	472363.09	3854877.25	0.00949	0.00613	0.0039	0.00379	3.54E-05	1.83E-04	2.51E-05	1.20E-05	2.55E-04	3.22E-05	1.85E-10	3.34E-07	3.26E-07	3.29E-05	4.10E-05	1.83E-04	2.51E-05	1.20E-05	2.61E-04
4053	472863.09	3854877.25	0.00982	0.00626	0.0041	0.00391	3.66E-05	1.87E-04	2.62E-05	1.23E-05	2.62E-04	3.33E-05	1.89E-10	3.50E-07	3.37E-07	3.40E-05	4.24E-05	1.87E-04	2.62E-05	1.23E-05	2.68E-04
4054	473363.09	3854877.25	0.01069	0.00678	0.0044	0.00409	3.99E-05	2.02E-04	2.81E-05	1.29E-05	2.83E-04	3.63E-05	2.05E-10	3.75E-07	3.52E-07	3.70E-05	4.61E-05	2.02E-04	2.81E-05	1.29E-05	2.89E-04
4055	473863.09	3854877.25	0.01156	0.00725	0.0047	0.00428	4.31E-05	2.16E-04	3.02E-05	1.35E-05	3.03E-04	3.92E-05	2.19E-10	4.02E-07	3.69E-07	4.00E-05	4.99E-05	2.16E-04	3.02E-05	1.35E-05	3.10E-04
4056	474363.09	3854877.25	0.01272	0.0079	0.0051	0.00451	4.75E-05	2.36E-04	3.26E-05	1.42E-05	3.30E-04	4.32E-05	2.39E-10	4.35E-07	3.88E-07	4.40E-05	5.49E-05	2.36E-04	3.26E-05	1.42E-05	3.37E-04
4057	474863.09	3854877.25	0.01146	0.00673	0.0053	0.0046	4.28E-05	2.01E-04	3.38E-05	1.45E-05	2.92E-04	3.89E-05	2.03E-10	4.51E-07	3.96E-07	3.98E-05	4.95E-05	2.01E-04	3.38E-05	1.45E-05	2.99E-04
4058	475363.09	3854877.25	0.00934	0.00573	0.0049	0.00457	3.49E-05	1.71E-04	3.12E-05	1.44E-05	2.51E-04	3.17E-05	1.73E-10	4.16E-07	3.94E-07	3.25E-05	4.03E-05	1.71E-04	3.12E-05	1.44E-05	2.57E-04
4059	475863.09	3854877.25	0.00719	0.00494	0.0046	0.00468	2.68E-05	1.47E-04	2.92E-05	1.48E-05	2.18E-04	2.44E-05	1.49E-10	3.90E-07	4.03E-07	2.52E-05	3.10E-05	1.47E-04	2.92E-05	1.48E-05	2.22E-04
4060	476363.09	3854877.25	0.00481	0.00397	0.0046	0.00481	1.79E-05	1.18E-04	2.91E-05	1.52E-05	1.81E-04	1.63E-05	1.20E-10	3.88E-07	4.14E-07	1.71E-05	2.08E-05	1.18E-04	2.91E-05	1.52E-05	1.83E-04
4061	476863.09	3854877.25	0.00485	0.00401	0.0047	0.00501	1.81E-05	1.20E-04	2.98E-05	1.58E-05	1.83E-04	1.65E-05	1.21E-10	3.97E-07	4.31E-07	1.73E-05	2.09E-05	1.20E-04	2.98E-05	1.58E-05	1.86E-04
4062	477363.09	3854877.25	0.00593	0.00459	0.0048	0.00533	2.21E-05	1.37E-04	3.07E-05	1.68E-05	2.07E-04	2.01E-05	1.39E-10	4.09E-07	4.59E-07	2.10E-05	2.56E-05	1.37E-04	3.07E-05	1.68E-05	2.10E-04
4063	477863.09	3854877.25	0.007	0.00515	0.0049	0.00564	2.61E-05	1.54E-04	3.13E-05	1.78E-05	2.29E-04	2.38E-05	1.56E-10	4.17E-07	4.86E-07	2.47E-05	3.02E-05	1.54E-04	3.13E-05	1.78E-05	2.33E-04
4064	478363.09	3854877.25	0.00948	0.00627	0.0051	0.00602	3.54E-05	1.87E-04	3.22E-05	1.90E-05	2.74E-04	3.22E-05	1.89E-10	4.29E-07	5.18E-07	3.31E-05	4.09E-05	1.87E-04	3.22E-05	1.90E-05	2.79E-04
4065	478863.09	3854877.25	0.0135	0.00782	0.0053	0.00647	5.04E-05	2.33E-04	3.41E-05	2.04E-05	3.38E-04	4.58E-05	2.36E-10	4.54E-07	5.57E-07	4.68E-05	5.83E-05	2.33E-04	3.41E-05	2.04E-05	3.46E-04
4066	479363.09	3854877.25	0.02	0.00988	0.0058	0.00704	7.46E-05	2.95E-04	3.71E-05	2.22E-05	4.29E-04	6.79E-05	2.98E-10	4.94E-07	6.06E-07	6.90E-05	8.63E-05	2.95E-04	3.71E-05	2.22E-05	4.40E-04
4067	479863.09	3854877.25	0.02916	0.01261	0.0064	0.00781	1.09E-04	3.76E-04	4.06E-05	2.47E-05	5.50E-04	9.90E-05	3.81E-10	5.42E-07	6.73E-07	1.00E-04	1.26E-04	3.76E-04	4.06E-05	2.47E-05	5.67E-04
4068	480363.09	3854877.25	0.03881	0.01583	0.0064	0.00868	1.45E-04	4.72E-04	4.10E-05	2.74E-05	6.86E-04	1.32E-04	4.78E-10	5.47E-07	7.47E-07	1.33E-04	1.67E-04	4.72E-04	4.10E-05	2.74E-05	7.08E-04
4069	480863.09	3854877.25	0.05375	0.02229	0.006	0.00951	2.01E-04	6.65E-04	3.81E-05	3.00E-05	9.34E-04	1.82E-04	6.73E-10	5.09E-07	8.19E-07	1.84E-04	2.32E-04	6.65E-04	3.81E-05	3.00E-05	9.65E-04
4070	481363.09	3854877.25	0.06539	0.02847	0.0052	0.01056	2.44E-04	8.49E-04	3.33E-05	3.33E-05	1.16E-03	2.22E-04	8.60E-10	4.44E-07	9.09E-07	2.23E-04	2.82E-04	8.49E-04	3.33E-05	3.33E-05	1.20E-03
4071	481863.09	3854877.25	0.07261	0.03023	0.0045	0.01314	2.71E-04	9.02E-04	2.86E-05	4.15E-05	1.24E-03	2.47E-04	9.13E-10	3.82E-07	1.13E-06	2.48E-04	3.13E-04	9.02E-04	2.86E-05	4.15E-05	1.29E-03
4072	482363.09	3854877.25	0.09174	0.09811	0.0044	0.02186	3.42E-04	2.93E-03	2.82E-05	6.90E-05	3.37E-03	3.11E-04	2.96E-09	3.76E-07	1.88E-06	3.14E-04	3.96E-04	2.93E-03	2.82E-05	6.90E-05	3.42E-03
4073	482863.09	3854877.25	0.11759	0.13327	0.0043	0.06211	4.39E-04	3.98E-03	2.74E-05	1.96E-04	4.64E-03	3.99E-04	4.02E-09	3.66E-07	5.35E-06	4.05E-04	5.07E-04	3.98E-03	2.74E-05	1.96E-04	4.71E-03
4074	483363.09	3854877.25	0.15766	0.11908	0.0044	0.18817	5.88E-04	3.55E-03	2.81E-05	5.94E-04	4.76E-03	5.35E-04	3.60E-09	3.74E-07	1.62E-05	5.52E-04	6.80E-04	3.55E-03	2.81E-05	5.94E-04	4.86E-03
4075	483863.09	3854877.25	0.23669	0.09571	0.0045	0.09086	8.83E-04	2.86E-03	2.89E-05	2.87E-04	4.05E-03	8.04E-04	2.89E-09	3.85E-07	7.82E-06	8.12E-04	1.02E-03	2.86E-03	2.89E-05	2.87E-04	4.19E-03
4076	484363.09	3854877.25	0.28797	0.07011	0.0047	0.0463	1.07E-03	2.09E-03	3.00E-05	1.46E-04	3.34E-03	9.78E-04	2.12E-09	4.00E-07	3.99E-06	9.82E-04	1.24E-03	2.09E-03	3.00E-05	1.46E-04	3.51E-03
4077	484863.09	3854877.25	0.24023	0.0608	0.005	0.03283	8.96E-04	1.81E-03	3.18E-05	1.04E-04	2.85E-03	8.16E-04	1.84E-09	4.24E-07	2.83E-06	8.19E-04	1.04E-03	1.81E-03	3.18E-05	1.04E-04	2.99E-03
4078	485363.09	3854877.25	0.28603	0.05503	0.0072	0.03122	1.07E-03	1.64E-03	4.58E-05	9.86E-05	2.85E-03	9.71E-04	1.66E-09	6.11E-07	2.69E-06	9.74E-04	1.23E-03	1.64E-03	4.58E-05	9.86E-05	3.02E-03
4079	485863.09	3854877.25	0.29172	0.05016	0.0071	0.03076	1.09E-03	1.50E-03	4.55E-05	9.71E-05	2.73E-03	9.90E-04	1.51E-09	6.07E-07	2.65E-06	9.94E-04	1.26E-03	1.50E-03	4.55E-05	9.71E-05	2.90E-03
4080	486363.09	3854877.25	0.27186	0.04663	0.0105	0.03173	1.01E-03	1.39E-03	6.69E-05	1.00E-04	2.57E-03	9.23E-04	1.41E-09	8.92E-07	2.73E-06	9.27E-04	1.17E-03	1.39E-03	6.69E-05	1.00E-04	2.73E-03
4081	486863.09	3854877.25	0.25488	0.04477	0.0095	0.0314	9.51E-04	1.34E-03	6.05E-05	9.91E-05	2.45E-03	8.65E-04	1.35E-09	8.07E-07	2.70E-06	8.69E-04	1.10E-03	1.34E-03	6.05E-05	9.91E-05	2.60E-03
4082	487363.09	3854877.25	0.2651	0.04648	0.0145	0.03045	9.89E-04	1.39E-03	9.22E-05	9.61E-05	2.56E-03	9.00E-04	1.40E-09	1.23E-06	2.62E-06	9.04E-04	1.14E-03	1.39E-03	9.22E-05	9.61E-05	2.72E-03
4083	487863.09	3854877.25	0.26956	0.04789	0.0084	0.02885	1.01E-03	1.43E-03	5.37E-05	9.11E-05	2.58E-03	9.15E-04	1.45E-09	7.16E-07	2.48E-06	9.18E-04	1.16E-03	1.43E-03	5.37E-05	9.11E-05	2.74E-03

4084	488363.09	3854877.25	0.27019	0.04926	0.0079	0.02761	1.01E-03	1.47E-03	5.02E-05	8.72E-05	2.62E-03	9.17E-04	1.49E-09	6.69E-07	2.38E-06	9.20E-04	1.17E-03	1.47E-03	5.02E-05	8.72E-05	2.77E-03
4085	488863.09	3854877.25	0.26822	0.05084	0.0095	0.02674	1.00E-03	1.52E-03	6.03E-05	8.44E-05	2.66E-03	9.11E-04	1.54E-09	8.05E-07	2.30E-06	9.14E-04	1.16E-03	1.52E-03	6.03E-05	8.44E-05	2.82E-03
4086	489363.09	3854877.25	0.2548	0.05102	0.0127	0.02581	9.51E-04	1.52E-03	8.13E-05	8.15E-05	2.64E-03	8.65E-04	1.54E-09	1.08E-06	2.22E-06	8.68E-04	1.10E-03	1.52E-03	8.13E-05	8.15E-05	2.78E-03
4087	489863.09	3854877.25	0.23119	0.04818	0.0149	0.02473	8.63E-04	1.44E-03	9.52E-05	7.81E-05	2.47E-03	7.85E-04	1.45E-09	1.27E-06	2.13E-06	7.88E-04	9.98E-04	1.44E-03	9.52E-05	7.81E-05	2.61E-03
4088	490363.09	3854877.25	0.17325	0.03828	0.0103	0.02304	6.46E-04	1.14E-03	6.54E-05	7.27E-05	1.93E-03	5.88E-04	1.16E-09	8.73E-07	1.98E-06	5.91E-04	7.48E-04	1.14E-03	6.54E-05	7.27E-05	2.03E-03
4089	490863.09	3854877.25	0.12146	0.03016	0.0137	0.02048	4.53E-04	9.00E-04	8.71E-05	6.47E-05	1.50E-03	4.12E-04	9.11E-10	1.16E-06	1.76E-06	4.15E-04	5.24E-04	9.00E-04	8.71E-05	6.47E-05	1.58E-03
4090	491363.09	3854877.25	0.12848	0.03209	0.0191	0.02046	4.79E-04	9.57E-04	1.22E-04	6.46E-05	1.62E-03	4.36E-04	9.69E-10	1.62E-06	1.76E-06	4.40E-04	5.54E-04	9.57E-04	1.22E-04	6.46E-05	1.70E-03
4091	491863.09	3854877.25	0.17685	0.04489	0.0232	0.0221	6.60E-04	1.34E-03	1.48E-04	6.98E-05	2.22E-03	6.00E-04	1.36E-09	1.97E-06	1.90E-06	6.04E-04	7.63E-04	1.34E-03	1.48E-04	6.98E-05	2.32E-03
4092	492363.09	3854877.25	0.16858	0.04583	0.0221	0.02184	6.29E-04	1.37E-03	1.41E-04	6.90E-05	2.21E-03	5.72E-04	1.38E-09	1.88E-06	1.88E-06	5.76E-04	7.27E-04	1.37E-03	1.41E-04	6.90E-05	2.30E-03
4093	492863.09	3854877.25	0.15463	0.04412	0.0282	0.02159	5.77E-04	1.32E-03	1.80E-04	6.82E-05	2.14E-03	5.25E-04	1.33E-09	2.40E-06	1.86E-06	5.29E-04	6.67E-04	1.32E-03	1.80E-04	6.82E-05	2.23E-03
4094	493363.09	3854877.25	0.13969	0.04146	0.0333	0.02115	5.21E-04	1.24E-03	2.12E-04	6.68E-05	2.04E-03	4.74E-04	1.25E-09	2.83E-06	1.82E-06	4.79E-04	6.03E-04	1.24E-03	2.12E-04	6.68E-05	2.12E-03
4095	493863.09	3854877.25	0.12727	0.03947	0.0344	0.02055	4.75E-04	1.18E-03	2.20E-04	6.49E-05	1.94E-03	4.32E-04	1.19E-09	2.93E-06	1.77E-06	4.37E-04	5.49E-04	1.18E-03	2.20E-04	6.49E-05	2.01E-03
4096	494363.09	3854877.25	0.09737	0.03167	0.033	0.01874	3.63E-04	9.45E-04	2.10E-04	5.92E-05	1.58E-03	3.31E-04	9.56E-10	2.80E-06	1.61E-06	3.35E-04	4.20E-04	9.45E-04	2.10E-04	5.92E-05	1.63E-03
4097	494863.09	3854877.25	0.06978	0.02527	0.0292	0.01701	2.60E-04	7.54E-04	1.87E-04	5.37E-05	1.25E-03	2.37E-04	7.63E-10	2.49E-06	1.46E-06	2.41E-04	3.01E-04	7.54E-04	1.87E-04	5.37E-05	1.30E-03
4098	495363.09	3854877.25	0.05452	0.02179	0.0292	0.01616	2.03E-04	6.50E-04	1.86E-04	5.10E-05	1.09E-03	1.85E-04	6.58E-10	2.49E-06	1.39E-06	1.89E-04	2.35E-04	6.50E-04	1.86E-04	5.10E-05	1.12E-03
4099	495863.09	3854877.25	0.04621	0.01995	0.0293	0.01567	1.72E-04	5.95E-04	1.87E-04	4.95E-05	1.00E-03	1.57E-04	6.02E-10	2.49E-06	1.35E-06	1.61E-04	1.99E-04	5.95E-04	1.87E-04	4.95E-05	1.03E-03
4100	496363.09	3854877.25	0.03666	0.01734	0.0292	0.01503	1.37E-04	5.17E-04	1.86E-04	4.75E-05	8.88E-04	1.24E-04	5.24E-10	2.48E-06	1.29E-06	1.28E-04	1.58E-04	5.17E-04	1.86E-04	4.75E-05	9.09E-04
4101	496863.09	3854877.25	0.03112	0.01574	0.0285	0.0145	1.16E-04	4.70E-04	1.82E-04	4.58E-05	8.13E-04	1.06E-04	4.75E-10	2.42E-06	1.25E-06	1.09E-04	1.34E-04	4.70E-04	1.82E-04	4.58E-05	8.31E-04
4102	497363.09	3854877.25	0.02899	0.01532	0.0282	0.01423	1.08E-04	4.57E-04	1.80E-04	4.49E-05	7.90E-04	9.84E-05	4.63E-10	2.40E-06	1.23E-06	1.02E-04	1.25E-04	4.57E-04	1.80E-04	4.49E-05	8.07E-04
4103	497863.09	3854877.25	0.03087	0.01646	0.0293	0.01439	1.15E-04	4.91E-04	1.87E-04	4.54E-05	8.39E-04	1.05E-04	4.97E-10	2.49E-06	1.24E-06	1.09E-04	1.33E-04	4.91E-04	1.87E-04	4.54E-05	8.57E-04
4104	498363.09	3854877.25	0.0295	0.01625	0.0293	0.01419	1.10E-04	4.85E-04	1.87E-04	4.48E-05	8.27E-04	1.00E-04	4.91E-10	2.49E-06	1.22E-06	1.04E-04	1.27E-04	4.85E-04	1.87E-04	4.48E-05	8.44E-04
4105	471363.09	3855377.25	0.00855	0.00571	0.0036	0.00351	3.19E-05	1.70E-04	2.26E-05	1.11E-05	2.36E-04	2.90E-05	1.72E-10	3.02E-07	3.02E-07	2.96E-05	3.69E-05	1.70E-04	2.26E-05	1.11E-05	2.41E-04
4106	471863.09	3855377.25	0.00898	0.00592	0.0037	0.00363	3.35E-05	1.77E-04	2.35E-05	1.15E-05	2.45E-04	3.05E-05	1.79E-10	3.13E-07	3.13E-07	3.11E-05	3.87E-05	1.77E-04	2.35E-05	1.15E-05	2.50E-04
4107	472363.09	3855377.25	0.00969	0.00635	0.0039	0.00378	3.62E-05	1.89E-04	2.47E-05	1.19E-05	2.62E-04	3.29E-05	1.92E-10	3.30E-07	3.25E-07	3.36E-05	4.18E-05	1.89E-04	2.47E-05	1.19E-05	2.68E-04
4108	472863.09	3855377.25	0.01017	0.00655	0.004	0.00392	3.79E-05	1.95E-04	2.55E-05	1.24E-05	2.71E-04	3.45E-05	1.98E-10	3.40E-07	3.38E-07	3.52E-05	4.39E-05	1.95E-04	2.55E-05	1.24E-05	2.77E-04
4109	473363.09	3855377.25	0.01116	0.00718	0.0043	0.00411	4.16E-05	2.14E-04	2.71E-05	1.30E-05	2.96E-04	3.79E-05	2.17E-10	3.61E-07	3.54E-07	3.86E-05	4.82E-05	2.14E-04	2.71E-05	1.30E-05	3.02E-04
4110	473863.09	3855377.25	0.01207	0.0077	0.0045	0.0043	4.50E-05	2.30E-04	2.84E-05	1.36E-05	3.17E-04	4.10E-05	2.33E-10	3.78E-07	3.70E-07	4.17E-05	5.21E-05	2.30E-04	2.84E-05	1.36E-05	3.24E-04
4111	474363.09	3855377.25	0.01299	0.00815	0.0052	0.00468	4.85E-05	2.43E-04	3.33E-05	1.48E-05	3.40E-04	4.41E-05	2.46E-10	4.44E-07	4.03E-07	4.49E-05	5.61E-05	2.43E-04	3.33E-05	1.48E-05	3.47E-04
4112	474863.09	3855377.25	0.01179	0.00707	0.0049	0.00461	4.40E-05	2.11E-04	3.14E-05	1.46E-05	3.01E-04	4.00E-05	2.14E-10	4.18E-07	3.97E-07	4.08E-05	5.09E-05	2.11E-04	3.14E-05	1.46E-05	3.08E-04
4113	475363.09	3855377.25	0.00607	0.00461	0.0042	0.00441	2.27E-05	1.38E-04	2.67E-05	1.39E-05	2.01E-04	2.06E-05	1.39E-10	3.55E-07	3.80E-07	2.13E-05	2.62E-05	1.38E-04	2.67E-05	1.39E-05	2.04E-04
4114	475863.09	3855377.25	0.00464	0.00404	0.0042	0.00454	1.73E-05	1.21E-04	2.70E-05	1.43E-05	1.79E-04	1.58E-05	1.22E-10	3.60E-07	3.91E-07	1.65E-05	2.00E-05	1.21E-04	2.70E-05	1.43E-05	1.82E-04
4115	476363.09	3855377.25	0.00552	0.00453	0.0045	0.00478	2.06E-05	1.35E-04	2.86E-05	1.51E-05	1.99E-04	1.87E-05	1.37E-10	3.82E-07	4.12E-07	1.95E-05	2.38E-05	1.35E-04	2.86E-05	1.51E-05	2.03E-04
4116	476863.09	3855377.25	0.00551	0.00458	0.0047	0.00501	2.06E-05	1.37E-04	3.01E-05	1.58E-05	2.03E-04	1.87E-05	1.38E-10	4.01E-07	4.31E-07	1.95E-05	2.38E-05	1.37E-04	3.01E-05	1.58E-05	2.06E-04
4117	477363.09	3855377.25	0.00621	0.00498	0.005	0.0053	2.32E-05	1.49E-04	3.16E-05	1.67E-05	2.20E-04	2.11E-05	1.50E-10	4.22E-07	4.56E-07	2.20E-05	2.68E-05	1.49E-04	3.16E-05	1.67E-05	2.24E-04
4118	477863.09	3855377.25	0.00816	0.00589	0.0053	0.00568	3.04E-05	1.76E-04	3.41E-05	1.79E-05	2.58E-04	2.77E-05	1.78E-10	4.54E-07	4.89E-07	2.86E-05	3.52E-05	1.76E-04	3.41E-05	1.79E-05	2.63E-04
4119	478363.09	3855377.25	0.01073	0.00704	0.0056	0.0061	4.00E-05	2.10E-04	3.58E-05	1.93E-05	3.05E-04	3.64E-05	2.13E-10	4.77E-07	5.25E-07	3.74E-05	4.63E-05	2.10E-04	3.58E-05	1.93E-05	3.11E-04
4120	478863.09	3855377.25	0.01388	0.00837	0.0059	0.00664	5.18E-05	2.50E-04	3.76E-05	2.10E-05	3.60E-04	4.71E-05	2.53E-10	5.02E-07	5.72E-07	4.82E-05	5.99E-05	2.50E-04	3.76E-05	2.10E-05	3.68E-04
4121	479363.09	3855377.25	0.01939	0.01046	0.0063	0.00742	7.24E-05	3.12E-04	4.00E-05	2.34E-05	4.48E-04	6.58E-05	3.16E-10	5.33E-07	6.39E-07	6.70E-05	8.37E-05	3.12E-04	4.00E-05	2.34E-05	4.59E-04
4122	479863.09	3855377.25	0.02586	0.01285	0.0066	0.00831	9.65E-05	3.83E-04	4.21E-05	2.62E-05	5.48E-04	8.78E-05	3.88E-10	5.61E-07	7.16E-07	8.91E-05	1.12E-04	3.83E-04	4.21E-05	2.62E-05	5.63E-04
4123	480363.09	3855377.25	0.03946	0.01737	0.0071	0.00965	1.47E-04	5.18E-04	4.53E-05	3.05E-05	7.41E-04	1.34E-04	5.25E-10	6.04E-07	8.31E-07	1.35E-04	1.70E-04	5.18E-04	4.53E-05	3.05E-05	7.64E-04
4124	480863.09	3855377.25	0.05679	0.02626	0.0074	0.01089	2.12E-04	7.83E-04	4.73E-05	3.44E-05	1.08E-03	1.93E-04	7.93E-10	6.30E-07	9.38E-07	1.94E-04	2.45E-04	7.83E-04	4.73E-05	3.44E-05	1.11E-03
4125	481363.09	3855377.25	0.07313	0.04358	0.0073	0.01272	2.73E-04	1.30E-03	4.66E-05	4.02E-05	1.66E-03	2.48E-04	1.32E-09	6.22E-07	1.10E-06	2.50E-04	3.16E-04	1.30E-03	4.66E-05	4.02E-05	1.70E-03
4126	481863.09	3855377.25	0.0883	0.07466	0.007	0.01551	3.29E-04	2.23E-03	4.43E-05	4.90E-05	2.65E-03	3.00E-04	2.25E-09	5.91E-07	1.34E-06	3.02E-04	3.81E-04	2.23E-03	4.43E-05	4.90E-05	2.70E-03
4127	482363.09	3855377.25	0.10398	0.15928	0.0065	0.01886	3.88E-04	4.75E-03	4.11E-05	5.95E-05	5.24E-03	3.53E-04	4.81E-09	5.49E-07	1.62E-06	3.55E-04	4.49E-04	4.75E-03	4.11E-05	5.95E-05	5.30E-03
4128	482863.09	3855377.25	0.13407	0.69145	0.0056	0.02883	5.00E-04	2.06E-02	3.58E-05	9.10E-05	2.13E-02	4.55E-04	2.09E-08	4.78E-07	2.48E-06	4.58E-04	5.79E-04	2.06E-02	3.58E-05	9.10E-05	2.13E-02
4129	483363.09	3855377.25	0.18271	0.93131	0.0051	0.03418	6.82E-04	2.78E-02	3.26E-05	1.08E-04	2.86E-02	6.20E-04	2.81E-08	4.35E-07	2.94E-06	6.24E-04	7.88E-04	2.78E-02	3.26E-05	1.08E-04	2.87E-02
4130	483863.09	3855377.25	0.30472	0.405	0.0051	0.039	1.14E-03	1.21E-02	3.24E-05	1.23E-04	1.34E-02	1.03E-03	1.22E-08	4.32E-07	3.36E-06	1.04E-03	1.31E-03	1.21E-02	3.24E-05	1.23E-04	1.36E-02
4131	484363.09	3855377.25	0.88434	0.19635	0.0052	0.0379	3.30E-03	5.86E-03	3.31E-05	1.20E-04	9.31E-03	3.00E-03	5.93E-09	4.41E-07	3.26E-06	3.01E-03	3.82E-03	5.86E-03	3.31E-05	1.20E-04	9.83E-03
4132	484863.09	3855377.25	8.73872	0.15171	0.0055	0.04431	3.26E-02	4.53E-03	3.50E-05	1.40E-04	3.73E-02	2.97E-02	4.58E-09	4.66E-07	3.82E-06	2.97E-02	3.77E-02	4.53E-03	3.50E-05	1.40E-04	4.24E-02
4133	485363.09	3855377.25	3.19509	0.11858	0.0058	0.05012	1.19E-02	3.54E-03	3.69E-05	1.58E-04	1.57E-02	1.08E-02	3.58E-09	4.92E-07	4.32E-06	1.09E-02	1.38E-02	3.54E-03	3.69E-05	1.58E-04	1.75E-02
4134	485863.09	3855377.25	1.52331	0.10217	0.0076	0.05054	5.68E-03	3.05E-03	4.85E-05	1.60E-04	8.94E-03	5.17E-03	3.09E-09	6.46E-07	4.35E-06	5.18E-03	6.57E-03	3.05E-03	4.85E-05	1.60E-04	9.83E-03
4135	486363.09	3855377.25	0.92237	0.08675	0.0091	0.04747	3.44E-03	2.59E-03	5.79E-05	1.50E-04	6.24E-03	3.13E-03	2.62E-09	7.71E-07	4.09E-06	3.14E-03	3.98E-03	2.59E-03	5.79E-05	1.50E-04	6.78E-03
4136	486863.09	3855377.25	0.65548	0.07687	0.0104	0.04421	2.45E-03	2.29E-03	6.65E-05	1.40E-04	4.95E-03	2.23E-03	2.32E-09	8.87E-07	3.81E-06	2.23E-03	2.83E-03	2.29E-03	6.65E-05	1.40E-04	5.33E-03
4137	487363.09	3855377.25	0.58913	0.07744	0.016	0.04092	2.20E-03	2.31E-03	1.02E-04	1.29E-04	4.74E-03	2.00E-03	2.34E-09	1.36E-06	3.52E-06	2.00E-03	2.54E-03	2.31E-03	1.02E-04	1.29E-04	5.08E-03
4138	487863.09	3855377.25	0.53125	0.07735	0.0106	0.03718	1.98E-03	2.31E-03	6.74E-05	1.17E-04	4.47E-03	1.80E-03	2.34E-09	8.98E-07	3.20E-06	1.81E-03	2.29E-03	2.31E-03	6.74E-05	1.17E-04	4.78E-03
4139	488363.09	3855377.25	0.48115	0.0773	0.0095	0.034	1.80E-03	2.31E-03	6.03E-05	1.07E-04	4.27E-03	1.63E-03	2.33E-09	8.04E-07	2.93E-06	1.64E-03	2.08E-03	2.31E-03	6.03E-05	1.07E-04	4.55E-03
4140	488863.09	3855377.25	0.43409	0.07658	0.0122	0.03163	1.62E-03	2.28E-03	7.78E-05	9.99E-05	4.08E-03	1.47E-03	2.31E-09	1.04E-06	2.72E-06	1.48E-03	1.87E-03	2.28E-03	7.78E-05	9.99E-05	4.34E-03
4141	489363.09	3855377.25	0.38944	0.07452	0.0149	0.02976	1.45E-03	2.22E-03	9.48E-05	9.40E-05	3.87E-03	1.32E-03	2.25E-09	1.26E-06	2.56E-06	1.33E-03	1.68E-03	2.22E-03	9.48E-05	9.40E-05	4.09E-03
4142	489863.09	3855377.25	0.34306	0.06961	0.0126	0.02845	1.28E-03	2.08E-03	8.05E-05	8.98E-05	3.53E-03	1.16E-03	2.10E-09	1.07E-06	2.45E-06	1.17E-03	1.48E-03	2.08E-03	8.05E-05	8.98E-05	3.73E-03
4143	490363.09	3855377.25	0.31271	0.06889	0.0198	0.02827	1.17E-03	2.06E-03	1.26E-04	8.93E-05	3.44E-03	1.06E-03	2.08E-09	1.69E-06	2.43E-06	1.07E-03	1.35E-03	2.06E-03	1.26E-04	8.93E-05	3.62E-03
4144	490863.09	3855377.25	0.20312	0.04568	0.0266	0.02439	7.58E-04	1.36E-03	1.70E-04	7.70E-05	2.37E-03	6.90E-04	1.38E-09	2.26E-06	2.10E-06	6.94E-04	8.76E-04	1.36E-03	1.70E-04	7.70E-05	2.49E-03

4145	491363.09	3855377.25	0.16498	0.04072	0.023	0.0221	6.16E-04	1.21E-03	1.47E-04	6.98E-05	2.05E-03	5.60E-04	1.23E-09	1.96E-06	1.90E-06	5.64E-04	7.12E-04	1.21E-03	1.47E-04	6.98E-05	2.14E-03
4146	491863.09	3855377.25	0.22084	0.05819	0.0295	0.024	8.24E-04	1.74E-03	1.88E-04	7.58E-05	2.82E-03	7.50E-04	1.76E-09	2.51E-06	2.07E-06	7.54E-04	9.53E-04	1.74E-03	1.88E-04	7.58E-05	2.95E-03
4147	492363.09	3855377.25	0.20324	0.05806	0.0378	0.02382	7.58E-04	1.73E-03	2.41E-04	7.52E-05	2.81E-03	6.90E-04	1.75E-09	3.21E-06	2.05E-06	6.95E-04	8.77E-04	1.73E-03	2.41E-04	7.52E-05	2.93E-03
4148	492863.09	3855377.25	0.1821	0.05466	0.0421	0.02346	6.80E-04	1.63E-03	2.69E-04	7.41E-05	2.65E-03	6.18E-04	1.65E-09	3.58E-06	2.02E-06	6.24E-04	7.86E-04	1.63E-03	2.69E-04	7.41E-05	2.76E-03
4149	493363.09	3855377.25	0.15621	0.04825	0.0452	0.02226	5.83E-04	1.44E-03	2.88E-04	7.03E-05	2.38E-03	5.30E-04	1.46E-09	3.84E-06	1.92E-06	5.36E-04	6.74E-04	1.44E-03	2.88E-04	7.03E-05	2.47E-03
4150	493863.09	3855377.25	0.11937	0.03879	0.0449	0.0203	4.45E-04	1.16E-03	2.86E-04	6.41E-05	1.95E-03	4.05E-04	1.17E-09	3.82E-06	1.75E-06	4.11E-04	5.15E-04	1.16E-03	2.86E-04	6.41E-05	2.02E-03
4151	494363.09	3855377.25	0.08569	0.031	0.038	0.01826	3.20E-04	9.25E-04	2.42E-04	5.77E-05	1.54E-03	2.91E-04	9.36E-10	3.23E-06	1.57E-06	2.96E-04	3.70E-04	9.25E-04	2.42E-04	5.77E-05	1.59E-03
4152	494863.09	3855377.25	0.06099	0.02498	0.0359	0.01702	2.28E-04	7.45E-04	2.29E-04	5.37E-05	1.26E-03	2.07E-04	7.54E-10	3.05E-06	1.47E-06	2.12E-04	2.63E-04	7.45E-04	2.29E-04	5.37E-05	1.29E-03
4153	495363.09	3855377.25	0.04618	0.02112	0.0349	0.0162	1.72E-04	6.30E-04	2.23E-04	5.11E-05	1.08E-03	1.57E-04	6.38E-10	2.97E-06	1.39E-06	1.61E-04	1.99E-04	6.30E-04	2.23E-04	5.11E-05	1.10E-03
4154	495863.09	3855377.25	0.03698	0.01843	0.0338	0.01551	1.38E-04	5.50E-04	2.16E-04	4.90E-05	9.53E-04	1.26E-04	5.57E-10	2.88E-06	1.34E-06	1.30E-04	1.60E-04	5.50E-04	2.16E-04	4.90E-05	9.74E-04
4155	496363.09	3855377.25	0.0343	0.01793	0.0335	0.01518	1.28E-04	5.35E-04	2.14E-04	4.79E-05	9.25E-04	1.16E-04	5.41E-10	2.85E-06	1.31E-06	1.21E-04	1.48E-04	5.35E-04	2.14E-04	4.79E-05	9.45E-04
4156	496863.09	3855377.25	0.03206	0.01752	0.0331	0.01497	1.20E-04	5.23E-04	2.11E-04	4.73E-05	9.01E-04	1.09E-04	5.29E-10	2.81E-06	1.29E-06	1.13E-04	1.38E-04	5.23E-04	2.11E-04	4.73E-05	9.19E-04
4157	497363.09	3855377.25	0.03145	0.01769	0.0335	0.01489	1.17E-04	5.28E-04	2.14E-04	4.70E-05	9.06E-04	1.07E-04	5.34E-10	2.85E-06	1.28E-06	1.11E-04	1.36E-04	5.28E-04	2.14E-04	4.70E-05	9.24E-04
4158	497863.09	3855377.25	0.03192	0.01831	0.0339	0.01492	1.19E-04	5.46E-04	2.16E-04	4.71E-05	9.29E-04	1.08E-04	5.53E-10	2.89E-06	1.28E-06	1.13E-04	1.38E-04	5.46E-04	2.16E-04	4.71E-05	9.48E-04
4159	498363.09	3855377.25	0.0331	0.01919	0.0343	0.01498	1.24E-04	5.73E-04	2.19E-04	4.73E-05	9.62E-04	1.12E-04	5.80E-10	2.92E-06	1.29E-06	1.17E-04	1.43E-04	5.73E-04	2.19E-04	4.73E-05	9.82E-04
4160	471363.09	3855877.25	0.00846	0.00596	0.0034	0.00354	3.16E-05	1.78E-04	2.18E-05	1.12E-05	2.42E-04	2.87E-05	1.80E-10	2.90E-07	3.05E-07	2.93E-05	3.65E-05	1.78E-04	2.18E-05	1.12E-05	2.47E-04
4161	471863.09	3855877.25	0.00888	0.00618	0.0036	0.00368	3.31E-05	1.84E-04	2.28E-05	1.16E-05	2.52E-04	3.01E-05	1.87E-10	3.04E-07	3.17E-07	3.08E-05	3.83E-05	1.84E-04	2.28E-05	1.16E-05	2.57E-04
4162	472363.09	3855877.25	0.00968	0.00677	0.0039	0.00387	3.61E-05	2.02E-04	2.48E-05	1.22E-05	2.75E-04	3.29E-05	2.04E-10	3.31E-07	3.33E-07	3.35E-05	4.18E-05	2.02E-04	2.48E-05	1.22E-05	2.81E-04
4163	472863.09	3855877.25	0.01003	0.00683	0.004	0.00399	3.74E-05	2.04E-04	2.55E-05	1.26E-05	2.79E-04	3.41E-05	2.06E-10	3.40E-07	3.44E-07	3.47E-05	4.33E-05	2.04E-04	2.55E-05	1.26E-05	2.85E-04
4164	473363.09	3855877.25	0.01111	0.00766	0.0043	0.00422	4.15E-05	2.29E-04	2.77E-05	1.33E-05	3.11E-04	3.77E-05	2.31E-10	3.69E-07	3.63E-07	3.85E-05	4.79E-05	2.29E-04	2.77E-05	1.33E-05	3.17E-04
4165	473863.09	3855877.25	0.01202	0.00827	0.0046	0.00441	4.49E-05	2.47E-04	2.91E-05	1.39E-05	3.35E-04	4.08E-05	2.50E-10	3.89E-07	3.80E-07	4.16E-05	5.19E-05	2.47E-04	2.91E-05	1.39E-05	3.42E-04
4166	474363.09	3855877.25	0.01282	0.00859	0.0057	0.0048	4.78E-05	2.56E-04	3.64E-05	1.52E-05	3.56E-04	4.35E-05	2.59E-10	4.86E-07	4.13E-07	4.44E-05	5.53E-05	2.56E-04	3.64E-05	1.52E-05	3.63E-04
4167	474863.09	3855877.25	0.01111	0.0069	0.0048	0.00463	4.15E-05	2.06E-04	3.05E-05	1.46E-05	2.92E-04	3.77E-05	2.08E-10	4.07E-07	3.99E-07	3.85E-05	4.79E-05	2.06E-04	3.05E-05	1.46E-05	2.99E-04
4168	475363.09	3855877.25	0.00751	0.00521	0.0038	0.00445	2.80E-05	1.55E-04	2.44E-05	1.41E-05	2.22E-04	2.55E-05	1.57E-10	3.25E-07	3.83E-07	2.62E-05	3.24E-05	1.55E-04	2.44E-05	1.41E-05	2.26E-04
4169	475863.09	3855877.25	0.0035	0.00341	0.0035	0.00434	1.31E-05	1.02E-04	2.25E-05	1.37E-05	1.51E-04	1.19E-05	1.03E-10	3.00E-07	3.74E-07	1.26E-05	1.51E-05	1.02E-04	2.25E-05	1.37E-05	1.53E-04
4170	476363.09	3855877.25	0.00376	0.00365	0.0038	0.00457	1.40E-05	1.09E-04	2.45E-05	1.44E-05	1.62E-04	1.28E-05	1.10E-10	3.27E-07	3.94E-07	1.35E-05	1.62E-05	1.09E-04	2.45E-05	1.44E-05	1.64E-04
4171	476863.09	3855877.25	0.00562	0.00477	0.0043	0.00501	2.10E-05	1.42E-04	2.75E-05	1.58E-05	2.07E-04	1.91E-05	1.44E-10	3.67E-07	4.31E-07	1.99E-05	2.43E-05	1.42E-04	2.75E-05	1.58E-05	2.10E-04
4172	477363.09	3855877.25	0.00695	0.00547	0.0048	0.00531	2.59E-05	1.63E-04	3.05E-05	1.68E-05	2.36E-04	2.36E-05	1.65E-10	4.07E-07	4.57E-07	2.45E-05	3.00E-05	1.63E-04	3.05E-05	1.68E-05	2.40E-04
4173	477863.09	3855877.25	0.00854	0.00631	0.0051	0.00566	3.19E-05	1.88E-04	3.27E-05	1.79E-05	2.71E-04	2.90E-05	1.91E-10	4.36E-07	4.87E-07	2.99E-05	3.69E-05	1.88E-04	3.27E-05	1.79E-05	2.76E-04
4174	478363.09	3855877.25	0.01122	0.00751	0.0056	0.00613	4.19E-05	2.24E-04	3.58E-05	1.94E-05	3.21E-04	3.81E-05	2.27E-10	4.77E-07	5.28E-07	3.91E-05	4.84E-05	2.24E-04	3.58E-05	1.94E-05	3.28E-04
4175	478863.09	3855877.25	0.01494	0.00916	0.0063	0.00672	5.57E-05	2.73E-04	4.01E-05	2.12E-05	3.90E-04	5.07E-05	2.77E-10	5.35E-07	5.79E-07	5.18E-05	6.45E-05	2.73E-04	4.01E-05	2.12E-05	3.99E-04
4176	479363.09	3855877.25	0.02103	0.01149	0.0072	0.00755	7.85E-05	3.43E-04	4.61E-05	2.38E-05	4.91E-04	7.14E-05	3.47E-10	6.14E-07	6.50E-07	7.27E-05	9.07E-05	3.43E-04	4.61E-05	2.38E-05	5.03E-04
4177	479863.09	3855877.25	0.02851	0.01438	0.0081	0.00853	1.06E-04	4.29E-04	5.19E-05	2.69E-05	6.14E-04	9.68E-05	4.34E-10	6.91E-07	7.35E-07	9.82E-05	1.23E-04	4.29E-04	5.19E-05	2.69E-05	6.31E-04
4178	480363.09	3855877.25	0.04023	0.01932	0.0086	0.00982	1.50E-04	5.76E-04	5.46E-05	3.10E-05	8.12E-04	1.37E-04	5.83E-10	7.28E-07	8.46E-07	1.38E-04	1.74E-04	5.76E-04	5.46E-05	3.10E-05	8.36E-04
4179	480863.09	3855877.25	0.05588	0.02797	0.0083	0.01118	2.09E-04	8.34E-04	5.29E-05	3.53E-05	1.13E-03	1.90E-04	8.45E-10	7.05E-07	9.63E-07	1.91E-04	2.41E-04	8.34E-04	5.29E-05	3.53E-05	1.16E-03
4180	481363.09	3855877.25	0.06568	0.03185	0.0084	0.01275	2.45E-04	9.50E-04	5.33E-05	4.03E-05	1.29E-03	2.23E-04	9.62E-10	7.10E-07	1.10E-06	2.25E-04	2.83E-04	9.50E-04	5.33E-05	4.03E-05	1.33E-03
4181	481863.09	3855877.25	0.09007	0.07571	0.0084	0.0148	3.36E-04	2.26E-03	5.36E-05	4.67E-05	2.70E-03	3.06E-04	2.29E-09	7.14E-07	1.27E-06	3.08E-04	3.89E-04	2.26E-03	5.36E-05	4.67E-05	2.75E-03
4182	482363.09	3855877.25	0.10576	0.17068	0.0088	0.02083	3.95E-04	5.09E-03	5.60E-05	6.58E-05	5.61E-03	3.59E-04	5.15E-09	7.47E-07	1.79E-06	3.62E-04	4.56E-04	5.09E-03	5.60E-05	6.58E-05	5.67E-03
4183	482863.09	3855877.25	0.13908	0.319	0.0085	0.03309	5.19E-04	9.52E-03	5.45E-05	1.04E-04	1.02E-02	4.72E-04	9.63E-09	7.26E-07	2.85E-06	4.76E-04	6.00E-04	9.52E-03	5.45E-05	1.04E-04	1.03E-02
4184	483363.09	3855877.25	0.19151	1.26294	0.0077	0.05973	7.15E-04	3.77E-02	4.90E-05	1.89E-04	3.86E-02	6.50E-04	3.81E-08	6.53E-07	5.14E-06	6.56E-04	8.26E-04	3.77E-02	4.90E-05	1.89E-04	3.87E-02
4185	483863.09	3855877.25	0.27608	0.90342	0.0066	0.07957	1.03E-03	2.70E-02	4.22E-05	2.51E-04	2.83E-02	9.37E-04	2.73E-08	5.63E-07	6.85E-06	9.45E-04	1.19E-03	2.70E-02	4.22E-05	2.51E-04	2.84E-02
4186	484363.09	3855877.25	0.49078	0.47829	0.0061	0.15479	1.83E-03	1.43E-02	3.90E-05	4.89E-04	1.66E-02	1.67E-03	1.44E-08	5.20E-07	1.33E-05	1.68E-03	2.12E-03	1.43E-02	3.90E-05	4.89E-04	1.69E-02
4187	484863.09	3855877.25	1.06747	0.31205	0.0062	0.14812	3.98E-03	9.31E-03	3.92E-05	4.68E-04	1.38E-02	3.62E-03	9.42E-09	5.23E-07	1.28E-05	3.64E-03	4.61E-03	9.31E-03	3.92E-05	4.68E-04	1.44E-02
4188	485363.09	3855877.25	8.00458	0.24151	0.0066	0.11186	2.99E-02	7.21E-03	4.21E-05	3.53E-04	3.75E-02	2.72E-02	7.29E-09	5.61E-07	9.63E-06	2.72E-02	3.45E-02	7.21E-03	4.21E-05	3.53E-04	4.21E-02
4189	485863.09	3855877.25	5.04405	0.18748	0.0071	0.08953	1.88E-02	5.59E-03	4.50E-05	2.83E-04	2.47E-02	1.71E-02	5.66E-09	6.00E-07	7.71E-06	1.71E-02	2.18E-02	5.59E-03	4.50E-05	2.83E-04	2.77E-02
4190	486363.09	3855877.25	2.04773	0.14867	0.0092	0.07306	7.64E-03	4.44E-03	5.84E-05	2.31E-04	1.24E-02	6.95E-03	4.49E-09	7.79E-07	6.29E-06	6.96E-03	8.84E-03	4.44E-03	5.84E-05	2.31E-04	1.36E-02
4191	486863.09	3855877.25	1.31952	0.12911	0.0122	0.05936	4.92E-03	3.85E-03	7.77E-05	1.87E-04	9.04E-03	4.48E-03	3.90E-09	1.04E-06	5.11E-06	4.49E-03	5.69E-03	3.85E-03	7.77E-05	1.87E-04	9.81E-03
4192	487363.09	3855877.25	1.05824	0.12489	0.0158	0.04946	3.95E-03	3.73E-03	1.01E-04	1.56E-04	7.93E-03	3.59E-03	3.77E-09	1.34E-06	4.26E-06	3.60E-03	4.57E-03	3.73E-03	1.01E-04	1.56E-04	8.55E-03
4193	487863.09	3855877.25	0.87437	0.12145	0.0135	0.04217	3.26E-03	3.62E-03	8.62E-05	1.33E-04	7.11E-03	2.97E-03	3.67E-09	1.15E-06	3.63E-06	2.97E-03	3.77E-03	3.62E-03	8.62E-05	1.33E-04	7.62E-03
4194	488363.09	3855877.25	0.72715	0.11542	0.0119	0.0369	2.71E-03	3.44E-03	7.56E-05	1.17E-04	6.35E-03	2.47E-03	3.49E-09	1.01E-06	3.18E-06	2.47E-03	3.14E-03	3.44E-03	7.56E-05	1.17E-04	6.77E-03
4195	488863.09	3855877.25	0.61619	0.1101	0.0154	0.03349	2.30E-03	3.28E-03	9.85E-05	1.06E-04	5.79E-03	2.09E-03	3.32E-09	1.31E-06	2.88E-06	2.10E-03	2.66E-03	3.28E-03	9.85E-05	1.06E-04	6.15E-03
4196	489363.09	3855877.25	0.52352	0.10429	0.016	0.03066	1.95E-03	3.11E-03	1.02E-04	9.68E-05	5.26E-03	1.78E-03	3.15E-09	1.36E-06	2.64E-06	1.78E-03	2.26E-03	3.11E-03	1.02E-04	9.68E-05	5.57E-03
4197	489863.09	3855877.25	0.44783	0.09804	0.0208	0.02911	1.67E-03	2.92E-03	1.32E-04	9.19E-05	4.82E-03	1.52E-03	2.96E-09	1.76E-06	2.51E-06	1.52E-03	1.93E-03	2.92E-03	1.32E-04	9.19E-05	5.08E-03
4198	490363.09	3855877.25	0.38696	0.09323	0.0305	0.02781	1.44E-03	2.78E-03	1.94E-04	8.78E-05	4.51E-03	1.31E-03	2.82E-09	2.59E-06	2.39E-06	1.32E-03	1.67E-03	2.78E-03	1.94E-04	8.78E-05	4.73E-03
4199	490863.09	3855877.25	0.33314	0.08475	0.0331	0.02644	1.24E-03	2.53E-03	2.11E-04	8.35E-05	4.07E-03	1.13E-03	2.56E-09	2.81E-06	2.28E-06	1.14E-03	1.44E-03	2.53E-03	2.11E-04	8.35E-05	4.26E-03
4200	491363.09	3855877.25	0.27531	0.07053	0.0448	0.02513	1.03E-03	2.10E-03	2.86E-04	7.93E-05	3.50E-03	9.35E-04	2.13E-09	3.81E-06	2.16E-06	9.41E-04	1.19E-03	2.10E-03	2.86E-04	7.93E-05	3.66E-03
4201	491863.09	3855877.25	0.25678	0.07691	0.0488	0.025	9.58E-04	2.29E-03	3.11E-04	7.89E-05	3.64E-03	8.72E-04	2.32E-09	4.15E-06	2.15E-06	8.78E-04	1.11E-03	2.29E-03	3.11E-04	7.89E-05	3.79E-03
4202	492363.09	3855877.25	0.22431	0.07008	0.0555	0.02468	8.37E-04	2.09E-03	3.54E-04	7.79E-05	3.36E-03	7.62E-04	2.12E-09	4.72E-06	2.13E-06	7.68E-04	9.68E-04	2.09E-03	3.54E-04	7.79E-05	3.49E-03
4203	492863.09	3855877.25	0.19744	0.06496	0.0614	0.02387	7.37E-04	1.94E-03	3.92E-04	7.54E-05	3.14E-03	6.70E-04	1.96E-09	5.22E-06	2.06E-06	6.78E-04	8.52E-04	1.94E-03	3.92E-04	7.54E-05	3.26E-03
4204	493363.09	3855877.25	0.15168	0.0507	0.0589	0.02174	5.66E-04	1.51E-03	3.76E-04	6.86E-05	2.52E-03	5.15E-04	1.53E-09	5.01E-06	1.87E-06	5.22E-04	6.55E-04	1.51E-03	3.76E-04	6.86E-05	2.61E-03
4205	493863.09	3855877.25	0.1042	0.03874	0.0495	0.01952	3.89E-04	1.16E-03	3.15E-04	6.16E-05	1.92E-03	3.54E-04	1.17E-09	4.21E-06	1.68E-06	3.60E-04	4.50E-04	1.16E-03	3.15E-04	6.16E-05	1.98E-03

4206	494363.09	3855877.25	0.07118	0.03027	0.0453	0.01802	2.66E-04	9.03E-04	2.89E-04	5.69E-05	1.51E-03	2.42E-04	9.14E-10	3.85E-06	1.55E-06	2.47E-04	3.07E-04	9.03E-04	2.89E-04	5.69E-05	1.56E-03
4207	494863.09	3855877.25	0.05199	0.02504	0.0433	0.01707	1.94E-04	7.47E-04	2.76E-04	5.39E-05	1.27E-03	1.77E-04	7.56E-10	3.68E-06	1.47E-06	1.82E-04	2.24E-04	7.47E-04	2.76E-04	5.39E-05	1.30E-03
4208	495363.09	3855877.25	0.03637	0.01975	0.0389	0.01584	1.36E-04	5.89E-04	2.48E-04	5.00E-05	1.02E-03	1.23E-04	5.96E-10	3.31E-06	1.36E-06	1.28E-04	1.57E-04	5.89E-04	2.48E-04	5.00E-05	1.04E-03
4209	495863.09	3855877.25	0.03397	0.01934	0.0383	0.01561	1.27E-04	5.77E-04	2.44E-04	4.93E-05	9.97E-04	1.15E-04	5.84E-10	3.26E-06	1.34E-06	1.20E-04	1.47E-04	5.77E-04	2.44E-04	4.93E-05	1.02E-03
4210	496363.09	3855877.25	0.03227	0.01912	0.0379	0.01546	1.20E-04	5.70E-04	2.41E-04	4.88E-05	9.81E-04	1.10E-04	5.77E-10	3.22E-06	1.33E-06	1.14E-04	1.39E-04	5.70E-04	2.41E-04	4.88E-05	1.00E-03
4211	496863.09	3855877.25	0.03228	0.0196	0.0382	0.01549	1.20E-04	5.85E-04	2.44E-04	4.89E-05	9.98E-04	1.10E-04	5.92E-10	3.25E-06	1.33E-06	1.14E-04	1.39E-04	5.85E-04	2.44E-04	4.89E-05	1.02E-03
4212	497363.09	3855877.25	0.03259	0.02016	0.0385	0.01552	1.22E-04	6.01E-04	2.45E-04	4.90E-05	1.02E-03	1.11E-04	6.09E-10	3.27E-06	1.34E-06	1.15E-04	1.41E-04	6.01E-04	2.45E-04	4.90E-05	1.04E-03
4213	497863.09	3855877.25	0.03361	0.02102	0.0389	0.01556	1.25E-04	6.27E-04	2.48E-04	4.91E-05	1.05E-03	1.14E-04	6.35E-10	3.31E-06	1.34E-06	1.19E-04	1.45E-04	6.27E-04	2.48E-04	4.91E-05	1.07E-03
4214	498363.09	3855877.25	0.03738	0.02304	0.0394	0.01571	1.39E-04	6.87E-04	2.51E-04	4.96E-05	1.13E-03	1.27E-04	6.96E-10	3.35E-06	1.35E-06	1.32E-04	1.61E-04	6.87E-04	2.51E-04	4.96E-05	1.15E-03
4215	471363.09	3856377.25	0.00856	0.00615	0.003	0.00346	3.19E-05	1.83E-04	1.93E-05	1.09E-05	2.46E-04	2.91E-05	1.86E-10	2.58E-07	2.98E-07	2.96E-05	3.69E-05	1.83E-04	1.93E-05	1.09E-05	2.51E-04
4216	471863.09	3856377.25	0.009	0.00635	0.0032	0.00359	3.36E-05	1.89E-04	2.02E-05	1.13E-05	2.55E-04	3.06E-05	1.92E-10	2.70E-07	3.09E-07	3.11E-05	3.88E-05	1.89E-04	2.02E-05	1.13E-05	2.60E-04
4217	472363.09	3856377.25	0.0097	0.0068	0.0034	0.00376	3.62E-05	2.03E-04	2.15E-05	1.19E-05	2.72E-04	3.29E-05	2.05E-10	2.87E-07	3.24E-07	3.35E-05	4.19E-05	2.03E-04	2.15E-05	1.19E-05	2.78E-04
4218	472863.09	3856377.25	0.01056	0.0074	0.0036	0.00395	3.94E-05	2.21E-04	2.31E-05	1.25E-05	2.96E-04	3.59E-05	2.23E-10	3.08E-07	3.40E-07	3.65E-05	4.56E-05	2.21E-04	2.31E-05	1.25E-05	3.02E-04
4219	473363.09	3856377.25	0.01138	0.00789	0.0039	0.00414	4.25E-05	2.35E-04	2.46E-05	1.31E-05	3.15E-04	3.86E-05	2.38E-10	3.27E-07	3.56E-07	3.93E-05	4.91E-05	2.35E-04	2.46E-05	1.31E-05	3.22E-04
4220	473863.09	3856377.25	0.01264	0.00893	0.0041	0.00438	4.72E-05	2.66E-04	2.64E-05	1.38E-05	3.54E-04	4.29E-05	2.70E-10	3.52E-07	3.77E-07	4.36E-05	5.45E-05	2.66E-04	2.64E-05	1.38E-05	3.61E-04
4221	474363.09	3856377.25	0.01293	0.00857	0.0043	0.00452	4.82E-05	2.56E-04	2.76E-05	1.43E-05	3.46E-04	4.39E-05	2.59E-10	3.67E-07	3.89E-07	4.47E-05	5.58E-05	2.56E-04	2.76E-05	1.43E-05	3.53E-04
4222	474863.09	3856377.25	0.01277	0.00794	0.0052	0.00482	4.77E-05	2.37E-04	3.30E-05	1.52E-05	3.33E-04	4.34E-05	2.40E-10	4.40E-07	4.15E-07	4.42E-05	5.51E-05	2.37E-04	3.30E-05	1.52E-05	3.40E-04
4223	475363.09	3856377.25	0.0108	0.00663	0.0043	0.00472	4.03E-05	1.98E-04	2.72E-05	1.49E-05	2.80E-04	3.67E-05	2.00E-10	3.62E-07	4.06E-07	3.74E-05	4.66E-05	1.98E-04	2.72E-05	1.49E-05	2.86E-04
4224	475863.09	3856377.25	0.00758	0.00532	0.0036	0.00465	2.83E-05	1.59E-04	2.28E-05	1.47E-05	2.25E-04	2.57E-05	1.61E-10	3.04E-07	4.00E-07	2.64E-05	3.27E-05	1.59E-04	2.28E-05	1.47E-05	2.29E-04
4225	476363.09	3856377.25	0.00717	0.00529	0.0037	0.00487	2.68E-05	1.58E-04	2.34E-05	1.54E-05	2.23E-04	2.43E-05	1.60E-10	3.12E-07	4.19E-07	2.51E-05	3.09E-05	1.58E-04	2.34E-05	1.54E-05	2.28E-04
4226	476863.09	3856377.25	0.00741	0.00553	0.0039	0.00512	2.77E-05	1.65E-04	2.49E-05	1.62E-05	2.34E-04	2.52E-05	1.67E-10	3.33E-07	4.41E-07	2.59E-05	3.20E-05	1.65E-04	2.49E-05	1.62E-05	2.38E-04
4227	477363.09	3856377.25	0.00802	0.00595	0.0042	0.00541	2.99E-05	1.78E-04	2.67E-05	1.71E-05	2.51E-04	2.72E-05	1.80E-10	3.56E-07	4.66E-07	2.81E-05	3.46E-05	1.78E-04	2.67E-05	1.71E-05	2.56E-04
4228	477863.09	3856377.25	0.00651	0.00551	0.0044	0.00567	2.43E-05	1.64E-04	2.83E-05	1.79E-05	2.35E-04	2.21E-05	1.66E-10	3.78E-07	4.88E-07	2.30E-05	2.81E-05	1.64E-04	2.83E-05	1.79E-05	2.39E-04
4229	478363.09	3856377.25	0.00588	0.00541	0.0046	0.00597	2.19E-05	1.61E-04	2.94E-05	1.88E-05	2.32E-04	2.00E-05	1.63E-10	3.92E-07	5.14E-07	2.09E-05	2.54E-05	1.61E-04	2.94E-05	1.88E-05	2.35E-04
4230	478863.09	3856377.25	0.01191	0.00814	0.0054	0.00664	4.44E-05	2.43E-04	3.45E-05	2.10E-05	3.43E-04	4.04E-05	2.46E-10	4.60E-07	5.72E-07	4.15E-05	5.14E-05	2.43E-04	3.45E-05	2.10E-05	3.50E-04
4231	479363.09	3856377.25	0.01598	0.00997	0.0064	0.0074	5.96E-05	2.97E-04	4.11E-05	2.34E-05	4.22E-04	5.43E-05	3.01E-10	5.48E-07	6.37E-07	5.54E-05	6.90E-05	2.97E-04	4.11E-05	2.34E-05	4.31E-04
4232	479863.09	3856377.25	0.0277	0.0144	0.0088	0.00877	1.03E-04	4.30E-04	5.58E-05	2.77E-05	6.16E-04	9.40E-05	4.35E-10	7.44E-07	7.55E-07	9.55E-05	1.20E-04	4.30E-04	5.58E-05	2.77E-05	6.33E-04
4233	480363.09	3856377.25	0.04194	0.021	0.0095	0.01002	1.56E-04	6.27E-04	6.06E-05	3.16E-05	8.75E-04	1.42E-04	6.34E-10	8.08E-07	8.63E-07	1.44E-04	1.81E-04	6.27E-04	6.06E-05	3.16E-05	9.00E-04
4234	480863.09	3856377.25	0.05532	0.02981	0.0089	0.01065	2.06E-04	8.89E-04	5.68E-05	3.36E-05	1.19E-03	1.88E-04	9.00E-10	7.58E-07	9.17E-07	1.89E-04	2.39E-04	8.89E-04	5.68E-05	3.36E-05	1.22E-03
4235	481363.09	3856377.25	0.07119	0.04515	0.0089	0.01171	2.66E-04	1.35E-03	5.66E-05	3.70E-05	1.71E-03	2.42E-04	1.36E-09	7.55E-07	1.01E-06	2.43E-04	3.07E-04	1.35E-03	5.66E-05	3.70E-05	1.75E-03
4236	481863.09	3856377.25	0.08845	0.08503	0.009	0.01341	3.30E-04	2.54E-03	5.74E-05	4.23E-05	2.97E-03	3.00E-04	2.57E-09	7.65E-07	1.15E-06	3.02E-04	3.82E-04	2.54E-03	5.74E-05	4.23E-05	3.02E-03
4237	482363.09	3856377.25	0.10437	0.1593	0.0096	0.01828	3.89E-04	4.75E-03	6.12E-05	5.77E-05	5.26E-03	3.54E-04	4.81E-09	8.16E-07	1.57E-06	3.57E-04	4.50E-04	4.75E-03	6.12E-05	5.77E-05	5.32E-03
4238	482863.09	3856377.25	0.13122	0.25706	0.0101	0.02687	4.90E-04	7.67E-03	6.44E-05	8.48E-05	8.31E-03	4.45E-04	7.76E-09	8.59E-07	2.31E-06	4.49E-04	5.66E-04	7.67E-03	6.44E-05	8.48E-05	8.38E-03
4239	483363.09	3856377.25	0.16952	0.86062	0.0105	0.05575	6.33E-04	2.57E-02	6.67E-05	1.76E-04	2.66E-02	5.76E-04	2.60E-08	8.89E-07	4.80E-06	5.81E-04	7.31E-04	2.57E-02	6.67E-05	1.76E-04	2.66E-02
4240	483863.09	3856377.25	0.23271	1.81159	0.0104	0.13776	8.68E-04	5.40E-02	6.64E-05	4.35E-04	5.54E-02	7.90E-04	5.47E-08	8.85E-07	1.19E-05	8.03E-04	1.00E-03	5.40E-02	6.64E-05	4.35E-04	5.56E-02
4241	484363.09	3856377.25	0.33063	1.79028	0.0095	0.21989	1.23E-03	5.34E-02	6.09E-05	6.94E-04	5.54E-02	1.12E-03	5.41E-08	8.11E-07	1.89E-05	1.14E-03	1.43E-03	5.34E-02	6.09E-05	6.94E-04	5.56E-02
4242	484863.09	3856377.25	0.50005	0.82739	0.0083	0.2952	1.87E-03	2.47E-02	5.31E-05	9.32E-04	2.75E-02	1.70E-03	2.50E-08	7.08E-07	2.54E-05	1.72E-03	2.16E-03	2.47E-02	5.31E-05	9.32E-04	2.78E-02
4243	485363.09	3856377.25	0.92884	0.51695	0.0078	0.19617	3.47E-03	1.54E-02	4.99E-05	6.19E-04	1.96E-02	3.15E-03	1.56E-08	6.65E-07	1.69E-05	3.17E-03	4.01E-03	1.54E-02	4.99E-05	6.19E-04	2.01E-02
4244	485863.09	3856377.25	4.7941	0.35979	0.0084	0.1141	1.79E-02	1.07E-02	5.35E-05	3.60E-04	2.90E-02	1.63E-02	1.09E-08	7.13E-07	9.83E-06	1.63E-02	2.07E-02	1.07E-02	5.35E-05	3.60E-04	3.18E-02
4245	486363.09	3856377.25	5.7076	0.23561	0.0093	0.07746	2.13E-02	7.03E-03	5.91E-05	2.45E-04	2.86E-02	1.94E-02	7.12E-09	7.88E-07	6.67E-06	1.94E-02	2.46E-02	7.03E-03	5.91E-05	2.45E-04	3.20E-02
4246	486863.09	3856377.25	2.52684	0.20639	0.0116	0.05734	9.43E-03	6.16E-03	7.42E-05	1.81E-04	1.58E-02	8.58E-03	6.23E-09	9.90E-07	4.94E-06	8.58E-03	1.09E-02	6.16E-03	7.42E-05	1.81E-04	1.73E-02
4247	487363.09	3856377.25	1.6892	0.18952	0.0158	0.04583	6.30E-03	5.65E-03	1.01E-04	1.45E-04	1.22E-02	5.73E-03	5.72E-09	1.34E-06	3.95E-06	5.74E-03	7.29E-03	5.65E-03	1.01E-04	1.45E-04	1.32E-02
4248	487863.09	3856377.25	1.25567	0.17836	0.0185	0.03811	4.69E-03	5.32E-03	1.18E-04	1.20E-04	1.02E-02	4.26E-03	5.39E-09	1.57E-06	3.28E-06	4.27E-03	5.42E-03	5.32E-03	1.18E-04	1.20E-04	1.10E-02
4249	488363.09	3856377.25	0.96549	0.1638	0.0161	0.03314	3.60E-03	4.89E-03	1.03E-04	1.05E-04	8.70E-03	3.28E-03	4.95E-09	1.37E-06	2.85E-06	3.28E-03	4.17E-03	4.89E-03	1.03E-04	1.05E-04	9.26E-03
4250	488863.09	3856377.25	0.76025	0.15096	0.0189	0.03001	2.84E-03	4.50E-03	1.21E-04	9.48E-05	7.56E-03	2.58E-03	4.56E-09	1.61E-06	2.58E-06	2.59E-03	3.28E-03	4.50E-03	1.21E-04	9.48E-05	8.00E-03
4251	489363.09	3856377.25	0.61231	0.13948	0.0243	0.02836	2.28E-03	4.16E-03	1.55E-04	8.95E-05	6.69E-03	2.08E-03	4.21E-09	2.07E-06	2.44E-06	2.08E-03	2.64E-03	4.16E-03	1.55E-04	8.95E-05	7.05E-03
4252	489863.09	3856377.25	0.50312	0.1291	0.0401	0.02732	1.88E-03	3.85E-03	2.55E-04	8.63E-05	6.07E-03	1.71E-03	3.90E-09	3.41E-06	2.35E-06	1.71E-03	2.17E-03	3.85E-03	2.55E-04	8.63E-05	6.36E-03
4253	490363.09	3856377.25	0.42086	0.11833	0.0478	0.02608	1.57E-03	3.53E-03	3.05E-04	8.23E-05	5.49E-03	1.43E-03	3.57E-09	4.07E-06	2.25E-06	1.44E-03	1.82E-03	3.53E-03	3.05E-04	8.23E-05	5.73E-03
4254	490863.09	3856377.25	0.35674	0.10881	0.0608	0.02529	1.33E-03	3.25E-03	3.88E-04	7.98E-05	5.04E-03	1.21E-03	3.29E-09	5.17E-06	2.18E-06	1.22E-03	1.54E-03	3.25E-03	3.88E-04	7.98E-05	5.25E-03
4255	491363.09	3856377.25	0.3065	0.10126	0.0698	0.02538	1.14E-03	3.02E-03	4.45E-04	8.01E-05	4.69E-03	1.04E-03	3.06E-09	5.94E-06	2.19E-06	1.05E-03	1.32E-03	3.02E-03	4.45E-04	8.01E-05	4.87E-03
4256	491863.09	3856377.25	0.26521	0.09285	0.0775	0.02533	9.90E-04	2.77E-03	4.94E-04	8.00E-05	4.33E-03	9.00E-04	2.80E-09	6.59E-06	2.18E-06	9.09E-04	1.14E-03	2.77E-03	4.94E-04	8.00E-05	4.49E-03
4257	492363.09	3856377.25	0.22832	0.08256	0.0803	0.02498	8.52E-04	2.46E-03	5.12E-04	7.89E-05	3.91E-03	7.75E-04	2.49E-09	6.83E-06	2.15E-06	7.84E-04	9.85E-04	2.46E-03	5.12E-04	7.89E-05	4.04E-03
4258	492863.09	3856377.25	0.18448	0.06722	0.0776	0.02369	6.88E-04	2.01E-03	4.95E-04	7.48E-05	3.26E-03	6.26E-04	2.03E-09	6.60E-06	2.04E-06	6.35E-04	7.96E-04	2.01E-03	4.95E-04	7.48E-05	3.37E-03
4259	493363.09	3856377.25	0.1162	0.04669	0.0656	0.02074	4.34E-04	1.39E-03	4.18E-04	6.55E-05	2.31E-03	3.95E-04	1.41E-09	5.58E-06	1.79E-06	4.02E-04	5.01E-04	1.39E-03	4.18E-04	6.55E-05	2.38E-03
4260	493863.09	3856377.25	0.08664	0.039	0.0603	0.01954	3.23E-04	1.16E-03	3.84E-04	6.17E-05	1.93E-03	2.94E-04	1.18E-09	5.12E-06	1.68E-06	3.01E-04	3.74E-04	1.16E-03	3.84E-04	6.17E-05	1.98E-03
4261	494363.09	3856377.25	0.06051	0.03125	0.0551	0.01838	2.26E-04	9.32E-04	3.52E-04	5.80E-05	1.57E-03	2.05E-04	9.44E-10	4.69E-06	1.58E-06	2.12E-04	2.61E-04	9.32E-04	3.52E-04	5.80E-05	1.60E-03
4262	494863.09	3856377.25	0.04397	0.02552	0.0502	0.01732	1.64E-04	7.61E-04	3.20E-04	5.47E-05	1.30E-03	1.49E-04	7.71E-10	4.27E-06	1.49E-06	1.55E-04	1.90E-04	7.61E-04	3.20E-04	5.47E-05	1.33E-03
4263	495363.09	3856377.25	0.03473	0.02187	0.0451	0.01644	1.30E-04	6.52E-04	2.87E-04	5.19E-05	1.12E-03	1.18E-04	6.60E-10	3.83E-06	1.42E-06	1.23E-04	1.50E-04	6.52E-04	2.87E-04	5.19E-05	1.14E-03
4264	495863.09	3856377.25	0.0322	0.02115	0.0432	0.01613	1.20E-04	6.31E-04	2.75E-04	5.09E-05	1.08E-03	1.09E-04	6.39E-10	3.67E-06	1.39E-06	1.14E-04	1.39E-04	6.31E-04	2.75E-04	5.09E-05	1.10E-03
4265	496363.09	3856377.25	0.03158	0.02132	0.0423	0.01603	1.18E-04	6.36E-04	2.70E-04	5.06E-05	1.07E-03	1.07E-04	6.44E-10	3.60E-06	1.38E-06	1.12E-04	1.36E-04	6.36E-04	2.70E-04	5.06E-05	1.09E-03
4266	496863.09	3856377.25	0.03297	0.02246	0.043	0.01624	1.23E-04	6.70E-04	2.74E-04	5.13E-05	1.12E-03	1.12E-04	6.78E-10	3.66E-06	1.40E-06	1.17E-04	1.42E-04	6.70E-04	2.74E-04	5.13E-05	1.14E-03

4267	497363.09	3856377.25	0.03427	0.02348	0.043	0.01626	1.28E-04	7.00E-04	2.74E-04	5.13E-05	1.15E-03	1.16E-04	7.09E-10	3.66E-06	1.40E-06	1.21E-04	1.48E-04	7.00E-04	2.74E-04	5.13E-05	1.17E-03
4268	497863.09	3856377.25	0.03672	0.025	0.0425	0.01629	1.37E-04	7.46E-04	2.71E-04	5.14E-05	1.21E-03	1.25E-04	7.55E-10	3.62E-06	1.40E-06	1.30E-04	1.58E-04	7.46E-04	2.71E-04	5.14E-05	1.23E-03
4269	498363.09	3856377.25	0.04033	0.02704	0.0425	0.01635	1.50E-04	8.07E-04	2.71E-04	5.16E-05	1.28E-03	1.37E-04	8.17E-10	3.62E-06	1.41E-06	1.42E-04	1.74E-04	8.07E-04	2.71E-04	5.16E-05	1.30E-03
4270	471363.09	3856877.25	0.00879	0.00636	0.0031	0.00342	3.28E-05	1.90E-04	1.97E-05	1.08E-05	2.53E-04	2.98E-05	1.92E-10	2.63E-07	2.94E-07	3.04E-05	3.79E-05	1.90E-04	1.97E-05	1.08E-05	2.58E-04
4271	471863.09	3856877.25	0.00918	0.00648	0.0032	0.00355	3.43E-05	1.93E-04	2.01E-05	1.12E-05	2.59E-04	3.12E-05	1.96E-10	2.68E-07	3.06E-07	3.17E-05	3.96E-05	1.93E-04	2.01E-05	1.12E-05	2.64E-04
4272	472363.09	3856877.25	0.00986	0.00692	0.0033	0.00373	3.68E-05	2.06E-04	2.09E-05	1.18E-05	2.76E-04	3.35E-05	2.09E-10	2.78E-07	3.21E-07	3.41E-05	4.25E-05	2.06E-04	2.09E-05	1.18E-05	2.82E-04
4273	472863.09	3856877.25	0.01058	0.00737	0.0034	0.00392	3.95E-05	2.20E-04	2.17E-05	1.24E-05	2.93E-04	3.59E-05	2.23E-10	2.89E-07	3.38E-07	3.65E-05	4.57E-05	2.20E-04	2.17E-05	1.24E-05	3.00E-04
4274	473363.09	3856877.25	0.01173	0.00838	0.0036	0.00417	4.38E-05	2.50E-04	2.27E-05	1.32E-05	3.30E-04	3.98E-05	2.53E-10	3.03E-07	3.59E-07	4.05E-05	5.06E-05	2.50E-04	2.27E-05	1.32E-05	3.36E-04
4275	473863.09	3856877.25	0.01258	0.00892	0.0037	0.00439	4.69E-05	2.66E-04	2.36E-05	1.39E-05	3.51E-04	4.27E-05	2.69E-10	3.15E-07	3.78E-07	4.34E-05	5.43E-05	2.66E-04	2.36E-05	1.39E-05	3.58E-04
4276	474363.09	3856877.25	0.01273	0.00847	0.0038	0.00453	4.75E-05	2.53E-04	2.43E-05	1.43E-05	3.39E-04	4.32E-05	2.56E-10	3.24E-07	3.90E-07	4.39E-05	5.49E-05	2.53E-04	2.43E-05	1.43E-05	3.46E-04
4277	474863.09	3856877.25	0.01242	0.00777	0.0043	0.00484	4.63E-05	2.32E-04	2.74E-05	1.53E-05	3.21E-04	4.22E-05	2.35E-10	3.65E-07	4.17E-07	4.29E-05	5.36E-05	2.32E-04	2.74E-05	1.53E-05	3.28E-04
4278	475363.09	3856877.25	0.011	0.00679	0.0039	0.00475	4.10E-05	2.03E-04	2.50E-05	1.50E-05	2.84E-04	3.73E-05	2.05E-10	3.33E-07	4.09E-07	3.81E-05	4.75E-05	2.03E-04	2.50E-05	1.50E-05	2.90E-04
4279	475863.09	3856877.25	0.01119	0.0069	0.004	0.00493	4.18E-05	2.06E-04	2.56E-05	1.56E-05	2.89E-04	3.80E-05	2.08E-10	3.42E-07	4.25E-07	3.88E-05	4.83E-05	2.06E-04	2.56E-05	1.56E-05	2.95E-04
4280	476363.09	3856877.25	0.00984	0.00641	0.0039	0.00494	3.67E-05	1.91E-04	2.50E-05	1.56E-05	2.69E-04	3.34E-05	1.94E-10	3.33E-07	4.25E-07	3.42E-05	4.25E-05	1.91E-04	2.50E-05	1.56E-05	2.74E-04
4281	476863.09	3856877.25	0.00952	0.00644	0.0039	0.00514	3.55E-05	1.92E-04	2.46E-05	1.62E-05	2.68E-04	3.23E-05	1.94E-10	3.27E-07	4.43E-07	3.31E-05	4.11E-05	1.92E-04	2.46E-05	1.62E-05	2.74E-04
4282	477363.09	3856877.25	0.00846	0.00616	0.0039	0.00532	3.16E-05	1.84E-04	2.47E-05	1.68E-05	2.57E-04	2.87E-05	1.86E-10	3.29E-07	4.58E-07	2.95E-05	3.65E-05	1.84E-04	2.47E-05	1.68E-05	2.62E-04
4283	477863.09	3856877.25	0.00579	0.00519	0.0038	0.00549	2.16E-05	1.55E-04	2.42E-05	1.73E-05	2.18E-04	1.97E-05	1.57E-10	3.22E-07	4.73E-07	2.05E-05	2.50E-05	1.55E-04	2.42E-05	1.73E-05	2.21E-04
4284	478363.09	3856877.25	0.00521	0.00505	0.004	0.00576	1.94E-05	1.51E-04	2.54E-05	1.82E-05	2.14E-04	1.77E-05	1.53E-10	3.38E-07	4.96E-07	1.85E-05	2.25E-05	1.51E-04	2.54E-05	1.82E-05	2.17E-04
4285	478863.09	3856877.25	0.00677	0.00599	0.0044	0.0062	2.53E-05	1.79E-04	2.81E-05	1.96E-05	2.52E-04	2.30E-05	1.81E-10	3.74E-07	5.34E-07	2.39E-05	2.92E-05	1.79E-04	2.81E-05	1.96E-05	2.56E-04
4286	479363.09	3856877.25	0.00934	0.00738	0.0048	0.00669	3.49E-05	2.20E-04	3.06E-05	2.11E-05	3.07E-04	3.17E-05	2.23E-10	4.07E-07	5.76E-07	3.27E-05	4.03E-05	2.20E-04	3.06E-05	2.11E-05	3.12E-04
4287	479863.09	3856877.25	0.02555	0.01359	0.0085	0.00868	9.53E-05	4.05E-04	5.44E-05	2.74E-05	5.83E-04	8.67E-05	4.10E-10	7.25E-07	7.47E-07	8.82E-05	1.10E-04	4.05E-04	5.44E-05	2.74E-05	5.98E-04
4288	480363.09	3856877.25	0.04185	0.02088	0.0098	0.01052	1.56E-04	6.23E-04	6.23E-05	3.32E-05	8.75E-04	1.42E-04	6.31E-10	8.31E-07	9.06E-07	1.44E-04	1.81E-04	6.23E-04	6.23E-05	3.32E-05	8.99E-04
4289	480863.09	3856877.25	0.05692	0.03286	0.0078	0.01027	2.12E-04	9.80E-04	4.94E-05	3.24E-05	1.27E-03	1.93E-04	9.92E-10	6.59E-07	8.84E-07	1.95E-04	2.46E-04	9.80E-04	4.94E-05	3.24E-05	1.31E-03
4290	481363.09	3856877.25	0.07156	0.05025	0.0077	0.01075	2.67E-04	1.50E-03	4.94E-05	3.39E-05	1.85E-03	2.43E-04	1.52E-09	6.58E-07	9.26E-07	2.45E-04	3.09E-04	1.50E-03	4.94E-05	3.39E-05	1.89E-03
4291	481863.09	3856877.25	0.08599	0.07028	0.0083	0.01224	3.21E-04	2.10E-03	5.32E-05	3.86E-05	2.51E-03	2.92E-04	2.12E-09	7.09E-07	1.05E-06	2.94E-04	3.71E-04	2.10E-03	5.32E-05	3.86E-05	2.56E-03
4292	482363.09	3856877.25	0.09683	0.13813	0.0092	0.01404	3.61E-04	4.12E-03	5.87E-05	4.43E-05	4.59E-03	3.29E-04	4.17E-09	7.82E-07	1.21E-06	3.31E-04	4.18E-04	4.12E-03	5.87E-05	4.43E-05	4.64E-03
4293	482863.09	3856877.25	0.11517	0.21512	0.0101	0.01763	4.30E-04	6.42E-03	6.44E-05	5.57E-05	6.97E-03	3.91E-04	6.50E-09	8.59E-07	1.52E-06	3.93E-04	4.97E-04	6.42E-03	6.44E-05	5.57E-05	7.03E-03
4294	483363.09	3856877.25	0.14396	0.4078	0.0112	0.0268	5.37E-04	1.22E-02	7.11E-05	8.46E-05	1.29E-02	4.89E-04	1.23E-08	9.48E-07	2.31E-06	4.92E-04	6.21E-04	1.22E-02	7.11E-05	8.46E-05	1.29E-02
4295	483863.09	3856877.25	0.18602	1.68047	0.0122	0.03874	6.94E-04	5.01E-02	7.78E-05	1.22E-04	5.10E-02	6.32E-04	5.07E-08	1.04E-06	3.34E-06	6.36E-04	8.03E-04	5.01E-02	7.78E-05	1.22E-04	5.11E-02
4296	484363.09	3856877.25	0.2443	2.17818	0.0131	0.0626	9.12E-04	6.50E-02	8.38E-05	1.98E-04	6.62E-02	8.29E-04	6.58E-08	1.12E-06	5.39E-06	8.36E-04	1.05E-03	6.50E-02	8.38E-05	1.98E-04	6.63E-02
4297	484863.09	3856877.25	0.32047	2.56142	0.0135	0.07978	1.20E-03	7.64E-02	8.64E-05	2.52E-04	7.79E-02	1.09E-03	7.74E-08	1.15E-06	6.87E-06	1.10E-03	1.38E-03	7.64E-02	8.64E-05	2.52E-04	7.81E-02
4298	485363.09	3856877.25	0.4662	1.08804	0.0132	0.09757	1.74E-03	3.25E-02	8.41E-05	3.08E-04	3.46E-02	1.58E-03	3.29E-08	1.12E-06	8.40E-06	1.59E-03	2.01E-03	3.25E-02	8.41E-05	3.08E-04	3.49E-02
4299	485863.09	3856877.25	0.78908	0.65355	0.0118	0.06297	2.94E-03	1.95E-02	7.53E-05	1.99E-04	2.27E-02	2.68E-03	1.97E-08	1.00E-06	5.42E-06	2.69E-03	3.40E-03	1.95E-02	7.53E-05	1.99E-04	2.32E-02
4300	486363.09	3856877.25	2.71999	0.33932	0.0117	0.04842	1.01E-02	1.01E-02	7.46E-05	1.53E-04	2.05E-02	9.23E-03	1.02E-08	9.94E-07	4.17E-06	9.24E-03	1.17E-02	1.01E-02	7.46E-05	1.53E-04	2.21E-02
4301	486863.09	3856877.25	10.2368	0.29031	0.0139	0.03902	3.82E-02	8.66E-03	8.89E-05	1.23E-04	4.71E-02	3.48E-02	8.77E-09	1.19E-06	3.36E-06	3.48E-02	4.42E-02	8.66E-03	8.89E-05	1.23E-04	5.30E-02
4302	487363.09	3856877.25	2.74528	0.25947	0.019	0.03347	1.02E-02	7.74E-03	1.21E-04	1.06E-04	1.82E-02	9.32E-03	7.84E-09	1.61E-06	2.88E-06	9.32E-03	1.18E-02	7.74E-03	1.21E-04	1.06E-04	1.98E-02
4303	487863.09	3856877.25	1.50768	0.23413	0.0285	0.03029	5.63E-03	6.98E-03	1.82E-04	9.56E-05	1.29E-02	5.12E-03	7.07E-09	2.42E-06	2.61E-06	5.12E-03	6.51E-03	6.98E-03	1.82E-04	9.56E-05	1.38E-02
4304	488363.09	3856877.25	0.99545	0.21318	0.0258	0.02807	3.71E-03	6.36E-03	1.65E-04	8.86E-05	1.03E-02	3.38E-03	6.44E-09	2.20E-06	2.42E-06	3.38E-03	4.30E-03	6.36E-03	1.65E-04	8.86E-05	1.09E-02
4305	488863.09	3856877.25	0.73256	0.19198	0.0336	0.02742	2.73E-03	5.73E-03	2.14E-04	8.66E-05	8.76E-03	2.49E-03	5.80E-09	2.85E-06	2.36E-06	2.49E-03	3.16E-03	5.73E-03	2.14E-04	8.66E-05	9.19E-03
4306	489363.09	3856877.25	0.57211	0.1763	0.0672	0.02731	2.13E-03	5.26E-03	4.29E-04	8.62E-05	7.91E-03	1.94E-03	5.32E-09	5.72E-06	2.35E-06	1.95E-03	2.47E-03	5.26E-03	4.29E-04	8.62E-05	8.24E-03
4307	489863.09	3856877.25	0.46607	0.161	0.0923	0.02662	1.74E-03	4.80E-03	5.89E-04	8.40E-05	7.22E-03	1.58E-03	4.86E-09	7.85E-06	2.29E-06	1.59E-03	2.01E-03	4.80E-03	5.89E-04	8.40E-05	7.49E-03
4308	490363.09	3856877.25	0.38975	0.14533	0.1096	0.02629	1.45E-03	4.34E-03	6.99E-04	8.30E-05	6.57E-03	1.32E-03	4.39E-09	9.32E-06	2.26E-06	1.33E-03	1.68E-03	4.34E-03	6.99E-04	8.30E-05	6.80E-03
4309	490863.09	3856877.25	0.33143	0.13261	0.1158	0.02649	1.24E-03	3.96E-03	7.39E-04	8.36E-05	6.02E-03	1.13E-03	4.00E-09	9.85E-06	2.28E-06	1.14E-03	1.43E-03	3.96E-03	7.39E-04	8.36E-05	6.21E-03
4310	491363.09	3856877.25	0.28619	0.12162	0.1142	0.02685	1.07E-03	3.63E-03	7.28E-04	8.48E-05	5.51E-03	9.72E-04	3.67E-09	9.71E-06	2.31E-06	9.84E-04	1.23E-03	3.63E-03	7.28E-04	8.48E-05	5.68E-03
4311	491863.09	3856877.25	0.24891	0.11074	0.112	0.02684	9.29E-04	3.30E-03	7.15E-04	8.47E-05	5.03E-03	8.45E-04	3.34E-09	9.53E-06	2.31E-06	8.57E-04	1.07E-03	3.30E-03	7.15E-04	8.47E-05	5.18E-03
4312	492363.09	3856877.25	0.20382	0.08635	0.1134	0.02641	7.61E-04	2.58E-03	7.23E-04	8.34E-05	4.14E-03	6.92E-04	2.61E-09	9.64E-06	2.27E-06	7.04E-04	8.80E-04	2.58E-03	7.23E-04	8.34E-05	4.26E-03
4313	492863.09	3856877.25	0.15783	0.06974	0.1041	0.02449	5.89E-04	2.08E-03	6.64E-04	7.73E-05	3.41E-03	5.36E-04	2.11E-09	8.85E-06	2.11E-06	5.47E-04	6.81E-04	2.08E-03	6.64E-04	7.73E-05	3.50E-03
4314	493363.09	3856877.25	0.11095	0.05446	0.0856	0.02216	4.14E-04	1.62E-03	5.46E-04	7.00E-05	2.65E-03	3.77E-04	1.64E-09	7.28E-06	1.91E-06	3.86E-04	4.79E-04	1.62E-03	5.46E-04	7.00E-05	2.72E-03
4315	493863.09	3856877.25	0.07287	0.04128	0.071	0.02041	2.72E-04	1.23E-03	4.53E-04	6.44E-05	2.02E-03	2.47E-04	1.25E-09	6.04E-06	1.76E-06	2.55E-04	3.14E-04	1.23E-03	4.53E-04	6.44E-05	2.06E-03
4316	494363.09	3856877.25	0.05007	0.03254	0.0619	0.01924	1.87E-04	9.71E-04	3.95E-04	6.07E-05	1.61E-03	1.70E-04	9.83E-10	5.26E-06	1.66E-06	1.77E-04	2.16E-04	9.71E-04	3.95E-04	6.07E-05	1.64E-03
4317	494863.09	3856877.25	0.04081	0.02855	0.0558	0.01843	1.52E-04	8.52E-04	3.56E-04	5.82E-05	1.42E-03	1.39E-04	8.62E-10	4.75E-06	1.59E-06	1.45E-04	1.76E-04	8.52E-04	3.56E-04	5.82E-05	1.44E-03
4318	495363.09	3856877.25	0.0357	0.02624	0.051	0.01775	1.33E-04	7.83E-04	3.25E-04	5.60E-05	1.30E-03	1.21E-04	7.92E-10	4.33E-06	1.53E-06	1.27E-04	1.54E-04	7.83E-04	3.25E-04	5.60E-05	1.32E-03
4319	495863.09	3856877.25	0.034	0.02569	0.0482	0.01739	1.27E-04	7.66E-04	3.07E-04	5.49E-05	1.26E-03	1.15E-04	7.76E-10	4.10E-06	1.50E-06	1.21E-04	1.47E-04	7.66E-04	3.07E-04	5.49E-05	1.28E-03
4320	496363.09	3856877.25	0.03297	0.02541	0.0455	0.01708	1.23E-04	7.58E-04	2.90E-04	5.39E-05	1.23E-03	1.12E-04	7.67E-10	3.87E-06	1.47E-06	1.17E-04	1.42E-04	7.58E-04	2.90E-04	5.39E-05	1.24E-03
4321	496863.09	3856877.25	0.03313	0.02583	0.0446	0.01698	1.24E-04	7.71E-04	2.84E-04	5.36E-05	1.23E-03	1.12E-04	7.80E-10	3.79E-06	1.46E-06	1.18E-04	1.43E-04	7.71E-04	2.84E-04	5.36E-05	1.25E-03
4322	497363.09	3856877.25	0.03466	0.02685	0.0433	0.01693	1.29E-04	8.01E-04	2.76E-04	5.35E-05	1.26E-03	1.18E-04	8.11E-10	3.69E-06	1.46E-06	1.23E-04	1.50E-04	8.01E-04	2.76E-04	5.35E-05	1.28E-03
4323	497863.09	3856877.25	0.03894	0.02932	0.0432	0.01699	1.45E-04	8.75E-04	2.76E-04	5.36E-05	1.35E-03	1.32E-04	8.85E-10	3.67E-06	1.46E-06	1.37E-04	1.68E-04	8.75E-04	2.76E-04	5.36E-05	1.37E-03
4324	498363.09	3856877.25	0.04417	0.03234	0.0437	0.01705	1.65E-04	9.65E-04	2.79E-04	5.38E-05	1.46E-03	1.50E-04	9.77E-10	3.72E-06	1.47E-06	1.55E-04	1.91E-04	9.65E-04	2.79E-04	5.38E-05	1.49E-03
4325	471363.09	3857377.25	0.00901	0.00646	0.0035	0.00349	3.36E-05	1.93E-04	2.24E-05	1.10E-05	2.60E-04	3.06E-05	1.95E-10	2.99E-07	3.01E-07	3.12E-05	3.89E-05	1.93E-04	2.24E-05	1.10E-05	2.65E-04
4326	471863.09	3857377.25	0.00933	0.00655	0.0036	0.0036	3.48E-05	1.95E-04	2.28E-05	1.14E-05	2.64E-04	3.17E-05	1.98E-10	3.04E-07	3.10E-07	3.23E-05	4.03E-05	1.95E-04	2.28E-05	1.14E-05	2.70E-04
4327	472363.09	3857377.25	0.00989	0.00692	0.0037	0.00375	3.69E-05	2.06E-04	2.36E-05	1.18E-05	2.79E-04	3.36E-05	2.09E-10	3.15E-07	3.23E-07	3.42E-05	4.27E-05	2.06E-04	2.36E-05	1.18E-05	2.85E-04

4328	472863.09	3857377.25	0.0106	0.00744	0.0038	0.00392	3.96E-05	2.22E-04	2.44E-05	1.24E-05	2.98E-04	3.60E-05	2.25E-10	3.26E-07	3.38E-07	3.67E-05	4.57E-05	2.22E-04	2.44E-05	1.24E-05	3.05E-04
4329	473363.09	3857377.25	0.01151	0.00821	0.004	0.00412	4.29E-05	2.45E-04	2.53E-05	1.30E-05	3.26E-04	3.91E-05	2.48E-10	3.37E-07	3.55E-07	3.98E-05	4.97E-05	2.45E-04	2.53E-05	1.30E-05	3.33E-04
4330	473863.09	3857377.25	0.0126	0.00924	0.0041	0.00433	4.70E-05	2.76E-04	2.60E-05	1.37E-05	3.62E-04	4.28E-05	2.79E-10	3.47E-07	3.73E-07	4.35E-05	5.44E-05	2.76E-04	2.60E-05	1.37E-05	3.70E-04
4331	474363.09	3857377.25	0.01244	0.00834	0.0042	0.0044	4.64E-05	2.49E-04	2.67E-05	1.39E-05	3.36E-04	4.22E-05	2.52E-10	3.55E-07	3.79E-07	4.30E-05	5.37E-05	2.49E-04	2.67E-05	1.39E-05	3.43E-04
4332	474863.09	3857377.25	0.01015	0.00634	0.0041	0.00431	3.79E-05	1.89E-04	2.59E-05	1.36E-05	2.67E-04	3.45E-05	1.91E-10	3.45E-07	3.71E-07	3.52E-05	4.38E-05	1.89E-04	2.59E-05	1.36E-05	2.72E-04
4333	475363.09	3857377.25	0.00712	0.00496	0.0034	0.00411	2.66E-05	1.48E-04	2.16E-05	1.30E-05	2.09E-04	2.42E-05	1.50E-10	2.87E-07	3.54E-07	2.48E-05	3.07E-05	1.48E-04	2.16E-05	1.30E-05	2.13E-04
4334	475863.09	3857377.25	0.00663	0.00487	0.0034	0.00427	2.47E-05	1.45E-04	2.18E-05	1.35E-05	2.05E-04	2.25E-05	1.47E-10	2.90E-07	3.68E-07	2.32E-05	2.86E-05	1.45E-04	2.18E-05	1.35E-05	2.09E-04
4335	476363.09	3857377.25	0.00889	0.00593	0.0039	0.00463	3.32E-05	1.77E-04	2.49E-05	1.46E-05	2.50E-04	3.02E-05	1.79E-10	3.33E-07	3.99E-07	3.09E-05	3.84E-05	1.77E-04	2.49E-05	1.46E-05	2.55E-04
4336	476863.09	3857377.25	0.00951	0.00636	0.004	0.00487	3.55E-05	1.90E-04	2.52E-05	1.54E-05	2.66E-04	3.23E-05	1.92E-10	3.36E-07	4.19E-07	3.30E-05	4.10E-05	1.90E-04	2.52E-05	1.54E-05	2.71E-04
4337	477363.09	3857377.25	0.0084	0.00598	0.0039	0.00506	3.13E-05	1.78E-04	2.50E-05	1.60E-05	2.51E-04	2.85E-05	1.81E-10	3.33E-07	4.36E-07	2.93E-05	3.62E-05	1.78E-04	2.50E-05	1.60E-05	2.56E-04
4338	477863.09	3857377.25	0.00629	0.00526	0.0038	0.00526	2.35E-05	1.57E-04	2.39E-05	1.66E-05	2.21E-04	2.14E-05	1.59E-10	3.19E-07	4.53E-07	2.21E-05	2.71E-05	1.57E-04	2.39E-05	1.66E-05	2.25E-04
4339	478363.09	3857377.25	0.00477	0.00474	0.0039	0.00555	1.78E-05	1.41E-04	2.46E-05	1.75E-05	2.01E-04	1.62E-05	1.43E-10	3.27E-07	4.78E-07	1.70E-05	2.06E-05	1.41E-04	2.46E-05	1.75E-05	2.04E-04
4340	478863.09	3857377.25	0.00406	0.00454	0.0039	0.00587	1.51E-05	1.35E-04	2.50E-05	1.85E-05	1.94E-04	1.38E-05	1.37E-10	3.33E-07	5.05E-07	1.46E-05	1.75E-05	1.35E-04	2.50E-05	1.85E-05	1.97E-04
4341	479363.09	3857377.25	0.00679	0.00617	0.0044	0.00649	2.53E-05	1.84E-04	2.80E-05	2.05E-05	2.58E-04	2.31E-05	1.86E-10	3.73E-07	5.59E-07	2.40E-05	2.93E-05	1.84E-04	2.80E-05	2.05E-05	2.62E-04
4342	479863.09	3857377.25	0.02077	0.01185	0.0066	0.00825	7.75E-05	3.54E-04	4.20E-05	2.60E-05	4.99E-04	7.05E-05	3.58E-10	5.60E-07	7.10E-07	7.18E-05	8.96E-05	3.54E-04	4.20E-05	2.60E-05	5.11E-04
4343	480363.09	3857377.25	0.01698	0.01088	0.006	0.00824	6.34E-05	3.25E-04	3.80E-05	2.60E-05	4.52E-04	5.76E-05	3.29E-10	5.07E-07	7.10E-07	5.89E-05	7.33E-05	3.25E-04	3.80E-05	2.60E-05	4.62E-04
4344	480863.09	3857377.25	0.05643	0.03313	0.0072	0.01032	2.11E-04	9.88E-04	4.62E-05	3.26E-05	1.28E-03	1.92E-04	1.00E-09	6.16E-07	8.89E-07	1.93E-04	2.44E-04	9.88E-04	4.62E-05	3.26E-05	1.31E-03
4345	481363.09	3857377.25	0.06428	0.03693	0.0076	0.01091	2.40E-04	1.10E-03	4.82E-05	3.44E-05	1.42E-03	2.18E-04	1.12E-09	6.43E-07	9.39E-07	2.20E-04	2.77E-04	1.10E-03	4.82E-05	3.44E-05	1.46E-03
4346	481863.09	3857377.25	0.07775	0.05535	0.0076	0.01185	2.90E-04	1.65E-03	4.85E-05	3.74E-05	2.03E-03	2.64E-04	1.67E-09	6.47E-07	1.02E-06	2.66E-04	3.36E-04	1.65E-03	4.85E-05	3.74E-05	2.07E-03
4347	482363.09	3857377.25	0.08875	0.10996	0.008	0.01255	3.31E-04	3.28E-03	5.09E-05	3.96E-05	3.70E-03	3.01E-04	3.32E-09	6.79E-07	1.08E-06	3.03E-04	3.83E-04	3.28E-03	5.09E-05	3.96E-05	3.75E-03
4348	482863.09	3857377.25	0.10149	0.16037	0.0088	0.01491	3.79E-04	4.78E-03	5.63E-05	4.71E-05	5.27E-03	3.45E-04	4.84E-09	7.50E-07	1.28E-06	3.47E-04	4.38E-04	4.78E-03	5.63E-05	4.71E-05	5.33E-03
4349	483363.09	3857377.25	0.12177	0.22753	0.0098	0.0185	4.54E-04	6.79E-03	6.26E-05	5.84E-05	7.36E-03	4.13E-04	6.87E-09	8.35E-07	1.59E-06	4.16E-04	5.25E-04	6.79E-03	6.26E-05	5.84E-05	7.43E-03
4350	483863.09	3857377.25	0.14861	0.33981	0.0111	0.02171	5.55E-04	1.01E-02	7.09E-05	6.85E-05	1.08E-02	5.05E-04	1.03E-08	9.46E-07	1.87E-06	5.07E-04	6.41E-04	1.01E-02	7.09E-05	6.85E-05	1.09E-02
4351	484363.09	3857377.25	0.18134	0.54731	0.0128	0.02071	6.77E-04	1.63E-02	8.14E-05	6.54E-05	1.72E-02	6.16E-04	1.65E-08	1.09E-06	1.78E-06	6.19E-04	7.83E-04	1.63E-02	8.14E-05	6.54E-05	1.73E-02
4352	484863.09	3857377.25	0.2214	0.98113	0.0148	0.02152	8.26E-04	2.93E-02	9.46E-05	6.79E-05	3.03E-02	7.52E-04	2.96E-08	1.26E-06	1.85E-06	7.55E-04	9.55E-04	2.93E-02	9.46E-05	6.79E-05	3.04E-02
4353	485363.09	3857377.25	0.27526	2.39704	0.0172	0.02243	1.03E-03	7.15E-02	1.10E-04	7.08E-05	7.27E-02	9.35E-04	7.24E-08	1.46E-06	1.93E-06	9.38E-04	1.19E-03	7.15E-02	1.10E-04	7.08E-05	7.29E-02
4354	485863.09	3857377.25	0.35559	1.38401	0.0196	0.02428	1.33E-03	4.13E-02	1.25E-04	7.67E-05	4.28E-02	1.21E-03	4.18E-08	1.66E-06	2.09E-06	1.21E-03	1.53E-03	4.13E-02	1.25E-04	7.67E-05	4.30E-02
4355	486363.09	3857377.25	0.53182	0.61538	0.0219	0.02529	1.98E-03	1.84E-02	1.40E-04	7.98E-05	2.06E-02	1.81E-03	1.86E-08	1.87E-06	2.18E-06	1.81E-03	2.29E-03	1.84E-02	1.40E-04	7.98E-05	2.09E-02
4356	486863.09	3857377.25	0.81296	0.35465	0.0225	0.02606	3.03E-03	1.06E-02	1.44E-04	8.23E-05	1.38E-02	2.76E-03	1.07E-08	1.92E-06	2.24E-06	2.76E-03	3.51E-03	1.06E-02	1.44E-04	8.23E-05	1.43E-02
4357	487363.09	3857377.25	0.84332	0.3134	0.0298	0.02667	3.15E-03	9.35E-03	1.90E-04	8.42E-05	1.28E-02	2.86E-03	9.46E-09	2.54E-06	2.30E-06	2.87E-03	3.64E-03	9.35E-03	1.90E-04	8.42E-05	1.33E-02
4358	487863.09	3857377.25	0.71909	0.28829	0.054	0.02869	2.68E-03	8.60E-03	3.44E-04	9.06E-05	1.17E-02	2.44E-03	8.71E-09	4.59E-06	2.47E-06	2.45E-03	3.10E-03	8.60E-03	3.44E-04	9.06E-05	1.21E-02
4359	488363.09	3857377.25	0.59155	0.26123	0.0598	0.02911	2.21E-03	7.79E-03	3.82E-04	9.19E-05	1.05E-02	2.01E-03	7.89E-09	5.09E-06	2.51E-06	2.02E-03	2.55E-03	7.79E-03	3.82E-04	9.19E-05	1.08E-02
4360	488863.09	3857377.25	0.48893	0.23845	0.1976	0.02972	1.82E-03	7.11E-03	1.26E-03	9.38E-05	1.03E-02	1.66E-03	7.20E-09	1.68E-05	2.56E-06	1.68E-03	2.11E-03	7.11E-03	1.26E-03	9.38E-05	1.06E-02
4361	489363.09	3857377.25	0.41277	0.21801	0.2736	0.02971	1.54E-03	6.50E-03	1.75E-03	9.38E-05	9.88E-03	1.40E-03	6.58E-09	2.33E-05	2.56E-06	1.43E-03	1.78E-03	6.50E-03	1.75E-03	9.38E-05	1.01E-02
4362	489863.09	3857377.25	0.35665	0.19669	0.2467	0.02954	1.33E-03	5.87E-03	1.57E-03	9.33E-05	8.87E-03	1.21E-03	5.94E-09	2.10E-05	2.54E-06	1.23E-03	1.54E-03	5.87E-03	1.57E-03	9.33E-05	9.07E-03
4363	490363.09	3857377.25	0.31084	0.17754	0.2145	0.02963	1.16E-03	5.30E-03	1.37E-03	9.36E-05	7.92E-03	1.06E-03	5.36E-09	1.82E-05	2.55E-06	1.08E-03	1.34E-03	5.30E-03	1.37E-03	9.36E-05	8.10E-03
4364	490863.09	3857377.25	0.27297	0.16235	0.1912	0.02994	1.02E-03	4.84E-03	1.22E-03	9.45E-05	7.18E-03	9.27E-04	4.90E-09	1.63E-05	2.58E-06	9.46E-04	1.18E-03	4.84E-03	1.22E-03	9.45E-05	7.34E-03
4365	491363.09	3857377.25	0.24156	0.15	0.1721	0.02975	9.01E-04	4.48E-03	1.10E-03	9.39E-05	6.57E-03	8.20E-04	4.53E-09	1.46E-05	2.56E-06	8.37E-04	1.04E-03	4.48E-03	1.10E-03	9.39E-05	6.71E-03
4366	491863.09	3857377.25	0.21383	0.13085	0.1583	0.02995	7.98E-04	3.90E-03	1.01E-03	9.46E-05	5.81E-03	7.26E-04	3.95E-09	1.35E-05	2.58E-06	7.42E-04	9.23E-04	3.90E-03	1.01E-03	9.46E-05	5.93E-03
4367	492363.09	3857377.25	0.16997	0.09413	0.148	0.02959	6.34E-04	2.81E-03	9.44E-04	9.34E-05	4.48E-03	5.77E-04	2.84E-09	1.26E-05	2.55E-06	5.92E-04	7.33E-04	2.81E-03	9.44E-04	9.34E-05	4.58E-03
4368	492863.09	3857377.25	0.11689	0.06945	0.1121	0.02573	4.36E-04	2.07E-03	7.15E-04	8.12E-05	3.30E-03	3.97E-04	2.10E-09	9.54E-06	2.22E-06	4.09E-04	5.04E-04	2.07E-03	7.15E-04	8.12E-05	3.37E-03
4369	493363.09	3857377.25	0.07775	0.05239	0.0841	0.02309	2.90E-04	1.56E-03	5.37E-04	7.29E-05	2.46E-03	2.64E-04	1.58E-09	7.16E-06	1.99E-06	2.73E-04	3.36E-04	1.56E-03	5.37E-04	7.29E-05	2.51E-03
4370	493863.09	3857377.25	0.06255	0.04555	0.0721	0.02201	2.33E-04	1.36E-03	4.60E-04	6.95E-05	2.12E-03	2.12E-04	1.38E-09	6.13E-06	1.90E-06	2.20E-04	2.70E-04	1.36E-03	4.60E-04	6.95E-05	2.16E-03
4371	494363.09	3857377.25	0.0492	0.0389	0.0624	0.02087	1.84E-04	1.16E-03	3.98E-04	6.59E-05	1.81E-03	1.67E-04	1.17E-09	5.30E-06	1.80E-06	1.74E-04	2.12E-04	1.16E-03	3.98E-04	6.59E-05	1.84E-03
4372	494863.09	3857377.25	0.04312	0.03564	0.0561	0.02008	1.61E-04	1.06E-03	3.58E-04	6.34E-05	1.65E-03	1.46E-04	1.08E-09	4.77E-06	1.73E-06	1.53E-04	1.86E-04	1.06E-03	3.58E-04	6.34E-05	1.67E-03
4373	495363.09	3857377.25	0.03869	0.03301	0.0511	0.01931	1.44E-04	9.85E-04	3.26E-04	6.10E-05	1.52E-03	1.31E-04	9.97E-10	4.35E-06	1.66E-06	1.37E-04	1.67E-04	9.85E-04	3.26E-04	6.10E-05	1.54E-03
4374	495863.09	3857377.25	0.03702	0.03197	0.0478	0.0188	1.38E-04	9.54E-04	3.05E-04	5.94E-05	1.46E-03	1.26E-04	9.65E-10	4.07E-06	1.62E-06	1.31E-04	1.60E-04	9.54E-04	3.05E-04	5.94E-05	1.48E-03
4375	496363.09	3857377.25	0.03614	0.03132	0.0448	0.01826	1.35E-04	9.34E-04	2.86E-04	5.77E-05	1.41E-03	1.23E-04	9.46E-10	3.81E-06	1.57E-06	1.28E-04	1.56E-04	9.34E-04	2.86E-04	5.77E-05	1.43E-03
4376	496863.09	3857377.25	0.03573	0.03098	0.0426	0.01781	1.33E-04	9.24E-04	2.72E-04	5.62E-05	1.39E-03	1.21E-04	9.36E-10	3.63E-06	1.53E-06	1.26E-04	1.54E-04	9.24E-04	2.72E-04	5.62E-05	1.41E-03
4377	497363.09	3857377.25	0.03749	0.03189	0.0416	0.01759	1.40E-04	9.51E-04	2.66E-04	5.55E-05	1.41E-03	1.27E-04	9.63E-10	3.54E-06	1.51E-06	1.32E-04	1.62E-04	9.51E-04	2.66E-04	5.55E-05	1.43E-03
4378	497863.09	3857377.25	0.04044	0.03363	0.0411	0.01747	1.51E-04	1.00E-03	2.62E-04	5.52E-05	1.47E-03	1.37E-04	1.02E-09	3.50E-06	1.50E-06	1.42E-04	1.75E-04	1.00E-03	2.62E-04	5.52E-05	1.50E-03
4379	498363.09	3857377.25	0.04935	0.03923	0.0431	0.0178	1.84E-04	1.17E-03	2.75E-04	5.62E-05	1.69E-03	1.68E-04	1.18E-09	3.66E-06	1.53E-06	1.73E-04	2.13E-04	1.17E-03	2.75E-04	5.62E-05	1.71E-03
4380	471363.09	3857877.25	0.00935	0.00669	0.0034	0.00338	3.49E-05	2.00E-04	2.18E-05	1.07E-05	2.67E-04	3.17E-05	2.02E-10	2.91E-07	2.91E-07	3.23E-05	4.03E-05	2.00E-04	2.18E-05	1.07E-05	2.72E-04
4381	471863.09	3857877.25	0.00975	0.00684	0.0035	0.00348	3.64E-05	2.04E-04	2.25E-05	1.10E-05	2.74E-04	3.31E-05	2.07E-10	2.99E-07	3.00E-07	3.37E-05	4.21E-05	2.04E-04	2.25E-05	1.10E-05	2.80E-04
4382	472363.09	3857877.25	0.01031	0.00719	0.0036	0.00362	3.85E-05	2.15E-04	2.32E-05	1.14E-05	2.88E-04	3.50E-05	2.17E-10	3.10E-07	3.12E-07	3.56E-05	4.45E-05	2.15E-04	2.32E-05	1.14E-05	2.94E-04
4383	472863.09	3857877.25	0.01113	0.00792	0.0038	0.0038	4.15E-05	2.36E-04	2.41E-05	1.20E-05	3.14E-04	3.78E-05	2.39E-10	3.21E-07	3.27E-07	3.84E-05	4.80E-05	2.36E-04	2.41E-05	1.20E-05	3.20E-04
4384	473363.09	3857877.25	0.01181	0.00836	0.0039	0.00396	4.41E-05	2.49E-04	2.49E-05	1.25E-05	3.31E-04	4.01E-05	2.52E-10	3.33E-07	3.41E-07	4.08E-05	5.10E-05	2.49E-04	2.49E-05	1.25E-05	3.38E-04
4385	473863.09	3857877.25	0.01275	0.00919	0.004	0.00417	4.76E-05	2.74E-04	2.58E-05	1.32E-05	3.61E-04	4.33E-05	2.78E-10	3.44E-07	3.59E-07	4.40E-05	5.50E-05	2.74E-04	2.58E-05	1.32E-05	3.68E-04
4386	474363.09	3857877.25	0.01241	0.00795	0.0045	0.00464	4.63E-05	2.37E-04	2.86E-05	1.47E-05	3.27E-04	4.21E-05	2.40E-10	3.81E-07	4.00E-07	4.29E-05	5.36E-05	2.37E-04	2.86E-05	1.47E-05	3.34E-04
4387	474863.09	3857877.25	0.00967	0.00585	0.004	0.0041	3.61E-05	1.75E-04	2.54E-05	1.29E-05	2.49E-04	3.28E-05	1.77E-10	3.38E-07	3.53E-07	3.35E-05	4.17E-05	1.75E-04	2.54E-05	1.29E-05	2.55E-04
4388	475363.09	3857877.25	0.00531	0.00404	0.0033	0.00386	1.98E-05	1.21E-04	2.09E-05	1.22E-05	1.73E-04	1.80E-05	1.22E-10	2.79E-07	3.32E-07	1.86E-05	2.29E-05	1.21E-04	2.09E-05	1.22E-05	1.77E-04

4389	475863.09	3857877.25	0.00239	0.00265	0.0029	0.00377	8.92E-06	7.91E-05	1.86E-05	1.19E-05	1.18E-04	8.11E-06	8.00E-11	2.47E-07	3.25E-07	8.69E-06	1.03E-05	7.91E-05	1.86E-05	1.19E-05	1.20E-04
4390	476363.09	3857877.25	0.00614	0.00458	0.0036	0.00432	2.29E-05	1.37E-04	2.28E-05	1.36E-05	1.96E-04	2.08E-05	1.38E-10	3.04E-07	3.72E-07	2.15E-05	2.65E-05	1.37E-04	2.28E-05	1.36E-05	2.00E-04
4391	476863.09	3857877.25	0.00782	0.00538	0.004	0.00463	2.92E-05	1.61E-04	2.53E-05	1.46E-05	2.30E-04	2.65E-05	1.62E-10	3.38E-07	3.99E-07	2.73E-05	3.37E-05	1.61E-04	2.53E-05	1.46E-05	2.34E-04
4392	477363.09	3857877.25	0.00776	0.00548	0.0041	0.00493	2.90E-05	1.63E-04	2.63E-05	1.56E-05	2.34E-04	2.63E-05	1.65E-10	3.50E-07	4.25E-07	2.71E-05	3.35E-05	1.63E-04	2.63E-05	1.56E-05	2.39E-04
4393	477863.09	3857877.25	0.0074	0.00556	0.0042	0.00526	2.76E-05	1.66E-04	2.68E-05	1.66E-05	2.37E-04	2.51E-05	1.68E-10	3.57E-07	4.53E-07	2.59E-05	3.19E-05	1.66E-04	2.68E-05	1.66E-05	2.41E-04
4394	478363.09	3857877.25	0.00387	0.00415	0.0039	0.00541	1.44E-05	1.24E-04	2.51E-05	1.71E-05	1.80E-04	1.31E-05	1.25E-10	3.35E-07	4.66E-07	1.39E-05	1.67E-05	1.24E-04	2.51E-05	1.71E-05	1.83E-04
4395	478863.09	3857877.25	0.00313	0.00385	0.0038	0.00555	1.17E-05	1.15E-04	2.44E-05	1.75E-05	1.68E-04	1.06E-05	1.16E-10	3.26E-07	4.78E-07	1.14E-05	1.35E-05	1.15E-04	2.44E-05	1.75E-05	1.70E-04
4396	479363.09	3857877.25	0.0195	0.0105	0.0065	0.00759	7.28E-05	3.13E-04	4.13E-05	2.40E-05	4.51E-04	6.62E-05	3.17E-10	5.50E-07	6.54E-07	6.74E-05	8.41E-05	3.13E-04	4.13E-05	2.40E-05	4.63E-04
4397	479863.09	3857877.25	0.03843	0.02036	0.0074	0.00933	1.43E-04	6.07E-04	4.70E-05	2.95E-05	8.27E-04	1.30E-04	6.15E-10	6.27E-07	8.03E-07	1.32E-04	1.66E-04	6.07E-04	4.70E-05	2.95E-05	8.50E-04
4398	480363.09	3857877.25	0.04628	0.02874	0.0072	0.00913	1.73E-04	8.57E-04	4.56E-05	2.88E-05	1.10E-03	1.57E-04	8.68E-10	6.08E-07	7.86E-07	1.59E-04	2.00E-04	8.57E-04	4.56E-05	2.88E-05	1.13E-03
4399	480863.09	3857877.25	0.05218	0.03352	0.0074	0.0093	1.95E-04	1.00E-03	4.69E-05	2.94E-05	1.27E-03	1.77E-04	1.01E-09	6.26E-07	8.01E-07	1.79E-04	2.25E-04	1.00E-03	4.69E-05	2.94E-05	1.30E-03
4400	481363.09	3857877.25	0.05963	0.03928	0.0078	0.0102	2.23E-04	1.17E-03	4.96E-05	3.22E-05	1.48E-03	2.02E-04	1.19E-09	6.61E-07	8.78E-07	2.04E-04	2.57E-04	1.17E-03	4.96E-05	3.22E-05	1.51E-03
4401	481863.09	3857877.25	0.06889	0.04964	0.0081	0.01073	2.57E-04	1.48E-03	5.18E-05	3.39E-05	1.82E-03	2.34E-04	1.50E-09	6.91E-07	9.24E-07	2.35E-04	2.97E-04	1.48E-03	5.18E-05	3.39E-05	1.86E-03
4402	482363.09	3857877.25	0.08034	0.07974	0.0084	0.0113	3.00E-04	2.38E-03	5.33E-05	3.57E-05	2.77E-03	2.73E-04	2.41E-09	7.10E-07	9.73E-07	2.74E-04	3.47E-04	2.38E-03	5.33E-05	3.57E-05	2.81E-03
4403	482863.09	3857877.25	0.08739	0.12634	0.009	0.01328	3.26E-04	3.77E-03	5.72E-05	4.19E-05	4.19E-03	2.97E-04	3.82E-09	7.63E-07	1.14E-06	2.99E-04	3.77E-04	3.77E-03	5.72E-05	4.19E-05	4.25E-03
4404	483363.09	3857877.25	0.10198	0.15492	0.0098	0.01451	3.81E-04	4.62E-03	6.24E-05	4.58E-05	5.11E-03	3.46E-04	4.68E-09	8.32E-07	1.25E-06	3.48E-04	4.40E-04	4.62E-03	6.24E-05	4.58E-05	5.17E-03
4405	483863.09	3857877.25	0.11884	0.19	0.0109	0.01428	4.43E-04	5.67E-03	6.92E-05	4.51E-05	6.23E-03	4.03E-04	5.74E-09	9.23E-07	1.23E-06	4.06E-04	5.13E-04	5.67E-03	6.92E-05	4.51E-05	6.30E-03
4406	484363.09	3857877.25	0.13798	0.23003	0.0122	0.01514	5.15E-04	6.86E-03	7.78E-05	4.78E-05	7.50E-03	4.68E-04	6.95E-09	1.04E-06	1.30E-06	4.71E-04	5.95E-04	6.86E-03	7.78E-05	4.78E-05	7.58E-03
4407	484863.09	3857877.25	0.15809	0.28907	0.014	0.0162	5.90E-04	8.62E-03	8.92E-05	5.11E-05	9.35E-03	5.37E-04	8.73E-09	1.19E-06	1.39E-06	5.39E-04	6.82E-04	8.62E-03	8.92E-05	5.11E-05	9.45E-03
4408	485363.09	3857877.25	0.17793	0.37403	0.0164	0.01836	6.64E-04	1.12E-02	1.04E-04	5.80E-05	1.20E-02	6.04E-04	1.13E-08	1.39E-06	1.58E-06	6.07E-04	7.68E-04	1.12E-02	1.04E-04	5.80E-05	1.21E-02
4409	485863.09	3857877.25	0.19957	0.56491	0.0199	0.02215	7.45E-04	1.69E-02	1.27E-04	6.99E-05	1.78E-02	6.78E-04	1.71E-08	1.70E-06	1.91E-06	6.81E-04	8.61E-04	1.69E-02	1.27E-04	6.99E-05	1.79E-02
4410	486363.09	3857877.25	0.21986	1.91612	0.0258	0.02958	8.20E-04	5.72E-02	1.64E-04	9.34E-05	5.82E-02	7.46E-04	5.79E-08	2.19E-06	2.55E-06	7.51E-04	9.49E-04	5.72E-02	1.64E-04	9.34E-05	5.84E-02
4411	486863.09	3857877.25	0.22557	0.71284	0.0375	0.0349	8.42E-04	2.13E-02	2.39E-04	1.10E-04	2.25E-02	7.66E-04	2.15E-08	3.19E-06	3.01E-06	7.72E-04	9.73E-04	2.13E-02	2.39E-04	1.10E-04	2.26E-02
4412	487363.09	3857877.25	0.25976	0.49024	0.072	0.05429	9.69E-04	1.46E-02	4.59E-04	1.71E-04	1.62E-02	8.82E-04	1.48E-08	6.12E-06	4.67E-06	8.93E-04	1.12E-03	1.46E-02	4.59E-04	1.71E-04	1.64E-02
4413	487863.09	3857877.25	0.27302	0.39661	0.195	0.04731	1.02E-03	1.18E-02	1.24E-03	1.49E-04	1.42E-02	9.27E-04	1.20E-08	1.66E-05	4.07E-06	9.48E-04	1.18E-03	1.18E-02	1.24E-03	1.49E-04	1.44E-02
4414	488363.09	3857877.25	0.26859	0.35249	2.7021	0.04462	1.00E-03	1.05E-02	1.72E-02	1.41E-04	2.89E-02	9.12E-04	1.06E-08	2.30E-04	3.84E-06	1.15E-03	1.16E-03	1.05E-02	1.72E-02	1.41E-04	2.91E-02
4415	488863.09	3857877.25	0.26906	0.31684	1.1798	0.0424	1.00E-03	9.45E-03	7.53E-03	1.34E-04	1.81E-02	9.13E-04	9.57E-09	1.00E-04	3.65E-06	1.02E-03	1.16E-03	9.45E-03	7.53E-03	1.34E-04	1.83E-02
4416	489363.09	3857877.25	0.25966	0.28071	0.5647	0.03908	9.69E-04	8.37E-03	3.60E-03	1.23E-04	1.31E-02	8.82E-04	8.48E-09	4.80E-05	3.37E-06	9.33E-04	1.12E-03	8.37E-03	3.60E-03	1.23E-04	1.32E-02
4417	489863.09	3857877.25	0.24309	0.24991	0.354	0.03681	9.07E-04	7.46E-03	2.26E-03	1.16E-04	1.07E-02	8.25E-04	7.55E-09	3.01E-05	3.17E-06	8.59E-04	1.05E-03	7.46E-03	2.26E-03	1.16E-04	1.09E-02
4418	490363.09	3857877.25	0.22383	0.22843	0.2567	0.0361	8.35E-04	6.81E-03	1.64E-03	1.14E-04	9.40E-03	7.60E-04	6.90E-09	2.18E-05	3.11E-06	7.85E-04	9.66E-04	6.81E-03	1.64E-03	1.14E-04	9.53E-03
4419	490863.09	3857877.25	0.2061	0.20915	0.2017	0.03532	7.69E-04	6.24E-03	1.29E-03	1.12E-04	8.41E-03	7.00E-04	6.32E-09	1.72E-05	3.04E-06	7.20E-04	8.89E-04	6.24E-03	1.29E-03	1.12E-04	8.53E-03
4420	491363.09	3857877.25	0.18919	0.17789	0.168	0.03509	7.06E-04	5.31E-03	1.07E-03	1.11E-04	7.20E-03	6.42E-04	5.37E-09	1.43E-05	3.02E-06	6.60E-04	8.16E-04	5.31E-03	1.07E-03	1.11E-04	7.31E-03
4421	491863.09	3857877.25	0.16935	0.14322	0.1462	0.03525	6.32E-04	4.27E-03	9.33E-04	1.11E-04	5.95E-03	5.75E-04	4.33E-09	1.24E-05	3.04E-06	5.90E-04	7.31E-04	4.27E-03	9.33E-04	1.11E-04	6.05E-03
4422	492363.09	3857877.25	0.12695	0.09917	0.1214	0.03187	4.74E-04	2.96E-03	7.75E-04	1.01E-04	4.31E-03	4.31E-04	2.99E-09	1.03E-05	2.74E-06	4.44E-04	5.48E-04	2.96E-03	7.75E-04	1.01E-04	4.38E-03
4423	492863.09	3857877.25	0.08473	0.07248	0.0881	0.02722	3.16E-04	2.16E-03	5.62E-04	8.59E-05	3.13E-03	2.88E-04	2.19E-09	7.50E-06	2.34E-06	2.98E-04	3.66E-04	2.16E-03	5.62E-04	8.59E-05	3.18E-03
4424	493363.09	3857877.25	0.06886	0.06187	0.0731	0.02529	2.57E-04	1.85E-03	4.66E-04	7.98E-05	2.65E-03	2.34E-04	1.87E-09	6.22E-06	2.18E-06	2.42E-04	2.97E-04	1.85E-03	4.66E-04	7.98E-05	2.69E-03
4425	493863.09	3857877.25	0.06068	0.05589	0.0642	0.02397	2.26E-04	1.67E-03	4.09E-04	7.57E-05	2.38E-03	2.06E-04	1.69E-09	5.46E-06	2.06E-06	2.14E-04	2.62E-04	1.67E-03	4.09E-04	7.57E-05	2.41E-03
4426	494363.09	3857877.25	0.05494	0.05135	0.0574	0.02274	2.05E-04	1.53E-03	3.66E-04	7.18E-05	2.18E-03	1.87E-04	1.55E-09	4.89E-06	1.96E-06	1.93E-04	2.37E-04	1.53E-03	3.66E-04	7.18E-05	2.21E-03
4427	494863.09	3857877.25	0.0462	0.04479	0.0508	0.02152	1.72E-04	1.34E-03	3.24E-04	6.79E-05	1.90E-03	1.57E-04	1.35E-09	4.32E-06	1.85E-06	1.63E-04	1.99E-04	1.34E-03	3.24E-04	6.79E-05	1.93E-03
4428	495363.09	3857877.25	0.04307	0.04193	0.0468	0.02057	1.61E-04	1.25E-03	2.98E-04	6.49E-05	1.77E-03	1.46E-04	1.27E-09	3.98E-06	1.77E-06	1.52E-04	1.86E-04	1.25E-03	2.98E-04	6.49E-05	1.80E-03
4429	495863.09	3857877.25	0.04042	0.03939	0.0433	0.0197	1.51E-04	1.18E-03	2.76E-04	6.22E-05	1.66E-03	1.37E-04	1.19E-09	3.68E-06	1.70E-06	1.43E-04	1.74E-04	1.18E-03	2.76E-04	6.22E-05	1.69E-03
4430	496363.09	3857877.25	0.04059	0.03878	0.0413	0.0191	1.51E-04	1.16E-03	2.63E-04	6.03E-05	1.63E-03	1.38E-04	1.17E-09	3.51E-06	1.64E-06	1.43E-04	1.75E-04	1.16E-03	2.63E-04	6.03E-05	1.66E-03
4431	496863.09	3857877.25	0.04037	0.03814	0.0396	0.01858	1.51E-04	1.14E-03	2.52E-04	5.87E-05	1.60E-03	1.37E-04	1.15E-09	3.36E-06	1.60E-06	1.42E-04	1.74E-04	1.14E-03	2.52E-04	5.87E-05	1.62E-03
4432	497363.09	3857877.25	0.03956	0.03712	0.0377	0.01797	1.48E-04	1.11E-03	2.41E-04	5.67E-05	1.55E-03	1.34E-04	1.12E-09	3.21E-06	1.55E-06	1.39E-04	1.71E-04	1.11E-03	2.41E-04	5.67E-05	1.58E-03
4433	497863.09	3857877.25	0.04514	0.04061	0.0383	0.01797	1.68E-04	1.21E-03	2.45E-04	5.67E-05	1.68E-03	1.53E-04	1.23E-09	3.26E-06	1.55E-06	1.58E-04	1.95E-04	1.21E-03	2.45E-04	5.67E-05	1.71E-03
4434	498363.09	3857877.25	0.05077	0.0444	0.0391	0.01812	1.89E-04	1.32E-03	2.49E-04	5.72E-05	1.82E-03	1.72E-04	1.34E-09	3.33E-06	1.56E-06	1.77E-04	2.19E-04	1.32E-03	2.49E-04	5.72E-05	1.85E-03
4435	471363.09	3858377.25	0.00949	0.00721	0.0033	0.00332	3.54E-05	2.15E-04	2.07E-05	1.05E-05	2.82E-04	3.22E-05	2.18E-10	2.76E-07	2.86E-07	3.28E-05	4.10E-05	2.15E-04	2.07E-05	1.05E-05	2.87E-04
4436	471863.09	3858377.25	0.00989	0.00737	0.0034	0.00345	3.69E-05	2.20E-04	2.14E-05	1.09E-05	2.89E-04	3.36E-05	2.23E-10	2.85E-07	2.97E-07	3.42E-05	4.27E-05	2.20E-04	2.14E-05	1.09E-05	2.95E-04
4437	472363.09	3858377.25	0.01034	0.00756	0.0035	0.0036	3.86E-05	2.26E-04	2.21E-05	1.14E-05	2.98E-04	3.51E-05	2.28E-10	2.95E-07	3.10E-07	3.57E-05	4.46E-05	2.26E-04	2.21E-05	1.14E-05	3.04E-04
4438	472863.09	3858377.25	0.01104	0.00811	0.0036	0.0038	4.12E-05	2.42E-04	2.30E-05	1.20E-05	3.18E-04	3.75E-05	2.45E-10	3.06E-07	3.27E-07	3.81E-05	4.76E-05	2.42E-04	2.30E-05	1.20E-05	3.25E-04
4439	473363.09	3858377.25	0.01214	0.00953	0.0037	0.00399	4.53E-05	2.84E-04	2.39E-05	1.26E-05	3.66E-04	4.12E-05	2.88E-10	3.18E-07	3.44E-07	4.19E-05	5.24E-05	2.84E-04	2.39E-05	1.26E-05	3.73E-04
4440	473863.09	3858377.25	0.01261	0.0092	0.0039	0.00421	4.71E-05	2.74E-04	2.47E-05	1.33E-05	3.60E-04	4.28E-05	2.78E-10	3.30E-07	3.63E-07	4.35E-05	5.44E-05	2.74E-04	2.47E-05	1.33E-05	3.67E-04
4441	474363.09	3858377.25	0.01191	0.00754	0.0039	0.00423	4.44E-05	2.25E-04	2.51E-05	1.34E-05	3.08E-04	4.04E-05	2.28E-10	3.34E-07	3.64E-07	4.11E-05	5.14E-05	2.25E-04	2.51E-05	1.34E-05	3.15E-04
4442	474863.09	3858377.25	0.00998	0.0059	0.004	0.00418	3.72E-05	1.76E-04	2.52E-05	1.32E-05	2.52E-04	3.39E-05	1.78E-10	3.36E-07	3.60E-07	3.46E-05	4.31E-05	1.76E-04	2.52E-05	1.32E-05	2.57E-04
4443	475363.09	3858377.25	0.00664	0.00443	0.0037	0.00388	2.48E-05	1.32E-04	2.33E-05	1.23E-05	1.92E-04	2.25E-05	1.34E-10	3.10E-07	3.34E-07	2.32E-05	2.87E-05	1.32E-04	2.33E-05	1.23E-05	1.96E-04
4444	475863.09	3858377.25	0.00463	0.00374	0.0035	0.00399	1.73E-05	1.12E-04	2.25E-05	1.26E-05	1.64E-04	1.57E-05	1.13E-10	2.99E-07	3.44E-07	1.64E-05	2.00E-05	1.12E-04	2.25E-05	1.26E-05	1.67E-04
4445	476363.09	3858377.25	0.00509	0.00405	0.0037	0.00423	1.90E-05	1.21E-04	2.35E-05	1.34E-05	1.77E-04	1.73E-05	1.22E-10	3.14E-07	3.64E-07	1.80E-05	2.20E-05	1.21E-04	2.35E-05	1.34E-05	1.80E-04
4446	476863.09	3858377.25	0.00561	0.00442	0.0039	0.00451	2.09E-05	1.32E-04	2.48E-05	1.42E-05	1.92E-04	1.90E-05	1.33E-10	3.31E-07	3.88E-07	1.98E-05	2.42E-05	1.32E-04	2.48E-05	1.42E-05	1.95E-04
4447	477363.09	3858377.25	0.00531	0.00442	0.004	0.00477	1.98E-05	1.32E-04	2.56E-05	1.51E-05	1.92E-04	1.80E-05	1.33E-10	3.41E-07	4.11E-07	1.88E-05	2.29E-05	1.32E-04	2.56E-05	1.51E-05	1.95E-04
4448	477863.09	3858377.25	0.00748	0.00545	0.0044	0.00516	2.79E-05	1.63E-04	2.83E-05	1.63E-05	2.35E-04	2.54E-05	1.65E-10	3.77E-07	4.44E-07	2.62E-05	3.23E-05	1.63E-04	2.83E-05	1.63E-05	2.39E-04
4449	478363.09	3858377.25	0.0083	0.00591	0.0047	0.00547	3.10E-05	1.76E-04	2.99E-05	1.73E-05	2.54E-04	2.82E-05	1.78E-10	3.98E-07	4.71E-07	2.90E-05	3.58E-05	1.76E-04	2.99E-05	1.73E-05	2.59E-04

4450	478863.09	3858377.25	0.00537	0.00487	0.0045	0.00557	2.00E-05	1.45E-04	2.86E-05	1.76E-05	2.12E-04	1.82E-05	1.47E-10	3.82E-07	4.80E-07	1.91E-05	2.32E-05	1.45E-04	2.86E-05	1.76E-05	2.15E-04
4451	479363.09	3858377.25	0.0209	0.01075	0.0068	0.00729	7.80E-05	3.21E-04	4.35E-05	2.30E-05	4.65E-04	7.10E-05	3.25E-10	5.80E-07	6.28E-07	7.22E-05	9.02E-05	3.21E-04	4.35E-05	2.30E-05	4.77E-04
4452	479863.09	3858377.25	0.03734	0.02256	0.0075	0.00822	1.39E-04	6.73E-04	4.78E-05	2.60E-05	8.86E-04	1.27E-04	6.81E-10	6.37E-07	7.08E-07	1.28E-04	1.61E-04	6.73E-04	4.78E-05	2.60E-05	9.08E-04
4453	480363.09	3858377.25	0.04331	0.03143	0.0075	0.00822	1.62E-04	9.38E-04	4.79E-05	2.60E-05	1.17E-03	1.47E-04	9.49E-10	6.39E-07	7.08E-07	1.48E-04	1.87E-04	9.38E-04	4.79E-05	2.60E-05	1.20E-03
4454	480863.09	3858377.25	0.04832	0.03517	0.0079	0.00858	1.80E-04	1.05E-03	5.04E-05	2.71E-05	1.31E-03	1.64E-04	1.06E-09	6.72E-07	7.39E-07	1.65E-04	2.09E-04	1.05E-03	5.04E-05	2.71E-05	1.34E-03
4455	481363.09	3858377.25	0.05424	0.04143	0.0084	0.00906	2.02E-04	1.24E-03	5.35E-05	2.86E-05	1.52E-03	1.84E-04	1.25E-09	7.13E-07	7.80E-07	1.86E-04	2.34E-04	1.24E-03	5.35E-05	2.86E-05	1.55E-03
4456	481863.09	3858377.25	0.06137	0.04593	0.009	0.00959	2.29E-04	1.37E-03	5.77E-05	3.03E-05	1.69E-03	2.08E-04	1.39E-09	7.69E-07	8.26E-07	2.10E-04	2.65E-04	1.37E-03	5.77E-05	3.03E-05	1.72E-03
4457	482363.09	3858377.25	0.07064	0.05663	0.0096	0.01047	2.64E-04	1.69E-03	6.09E-05	3.31E-05	2.05E-03	2.40E-04	1.71E-09	8.12E-07	9.02E-07	2.42E-04	3.05E-04	1.69E-03	6.09E-05	3.31E-05	2.09E-03
4458	482863.09	3858377.25	0.08048	0.08656	0.0097	0.01119	3.00E-04	2.58E-03	6.20E-05	3.53E-05	2.98E-03	2.73E-04	2.61E-09	8.27E-07	9.64E-07	2.75E-04	3.47E-04	2.58E-03	6.20E-05	3.53E-05	3.03E-03
4459	483363.09	3858377.25	0.08617	0.11936	0.0103	0.0113	3.22E-04	3.56E-03	6.56E-05	3.57E-05	3.98E-03	2.93E-04	3.60E-09	8.74E-07	9.73E-07	2.94E-04	3.72E-04	3.56E-03	6.56E-05	3.57E-05	4.03E-03
4460	483863.09	3858377.25	0.09394	0.14054	0.011	0.01194	3.51E-04	4.19E-03	7.00E-05	3.77E-05	4.65E-03	3.19E-04	4.24E-09	9.34E-07	1.03E-06	3.21E-04	4.05E-04	4.19E-03	7.00E-05	3.77E-05	4.71E-03
4461	484363.09	3858377.25	0.10446	0.16439	0.0122	0.01341	3.90E-04	4.90E-03	7.75E-05	4.23E-05	5.41E-03	3.55E-04	4.96E-09	1.03E-06	1.15E-06	3.57E-04	4.51E-04	4.90E-03	7.75E-05	4.23E-05	5.47E-03
4462	484863.09	3858377.25	0.11318	0.20016	0.0136	0.01479	4.22E-04	5.97E-03	8.69E-05	4.67E-05	6.53E-03	3.84E-04	6.04E-09	1.16E-06	1.27E-06	3.87E-04	4.88E-04	5.97E-03	8.69E-05	4.67E-05	6.59E-03
4463	485363.09	3858377.25	0.12146	0.26029	0.0155	0.01777	4.53E-04	7.77E-03	9.88E-05	5.61E-05	8.37E-03	4.12E-04	7.86E-09	1.32E-06	1.53E-06	4.15E-04	5.24E-04	7.77E-03	9.88E-05	5.61E-05	8.44E-03
4464	485863.09	3858377.25	0.13062	0.40519	0.0183	0.02463	4.87E-04	1.21E-02	1.17E-04	7.78E-05	1.28E-02	4.43E-04	1.22E-08	1.55E-06	2.12E-06	4.47E-04	5.64E-04	1.21E-02	1.17E-04	7.78E-05	1.28E-02
4465	486363.09	3858377.25	0.13115	1.95859	0.0227	0.0505	4.89E-04	5.84E-02	1.45E-04	1.59E-04	5.92E-02	4.45E-04	5.91E-08	1.93E-06	4.35E-06	4.52E-04	5.66E-04	5.84E-02	1.45E-04	1.59E-04	5.93E-02
4466	486863.09	3858377.25	0.12941	2.58148	0.0303	0.08375	4.83E-04	7.70E-02	1.94E-04	2.64E-04	7.80E-02	4.39E-04	7.80E-08	2.58E-06	7.21E-06	4.49E-04	5.58E-04	7.70E-02	1.94E-04	2.64E-04	7.80E-02
4467	487363.09	3858377.25	0.1363	1.19392	0.0425	0.095	5.09E-04	3.56E-02	2.71E-04	3.00E-04	3.67E-02	4.63E-04	3.61E-08	3.62E-06	8.18E-06	4.75E-04	5.88E-04	3.56E-02	2.71E-04	3.00E-04	3.68E-02
4468	487863.09	3858377.25	0.14912	0.76138	0.0593	0.12015	5.56E-04	2.27E-02	3.78E-04	3.79E-04	2.40E-02	5.06E-04	2.30E-08	5.04E-06	1.03E-05	5.22E-04	6.43E-04	2.27E-02	3.78E-04	3.79E-04	2.41E-02
4469	488363.09	3858377.25	0.15574	0.56379	0.0854	0.08626	5.81E-04	1.68E-02	5.45E-04	2.72E-04	1.82E-02	5.29E-04	1.70E-08	7.26E-06	7.43E-06	5.43E-04	6.72E-04	1.68E-02	5.45E-04	2.72E-04	1.83E-02
4470	488863.09	3858377.25	0.14941	0.45543	0.1978	0.06318	5.58E-04	1.36E-02	1.26E-03	1.99E-04	1.56E-02	5.07E-04	1.38E-08	1.68E-05	5.44E-06	5.30E-04	6.45E-04	1.36E-02	1.26E-03	1.99E-04	1.57E-02
4471	489363.09	3858377.25	0.15768	0.39442	0.1745	0.05371	5.88E-04	1.18E-02	1.11E-03	1.70E-04	1.36E-02	5.35E-04	1.19E-08	1.48E-05	4.62E-06	5.55E-04	6.80E-04	1.18E-02	1.11E-03	1.70E-04	1.37E-02
4472	489863.09	3858377.25	0.16215	0.3497	0.1469	0.04946	6.05E-04	1.04E-02	9.37E-04	1.56E-04	1.21E-02	5.51E-04	1.06E-08	1.25E-05	4.26E-06	5.67E-04	7.00E-04	1.04E-02	9.37E-04	1.56E-04	1.22E-02
4473	490363.09	3858377.25	0.1585	0.3096	0.1292	0.04622	5.91E-04	9.24E-03	8.24E-04	1.46E-04	1.08E-02	5.38E-04	9.35E-09	1.10E-05	3.98E-06	5.53E-04	6.84E-04	9.24E-03	8.24E-04	1.46E-04	1.09E-02
4474	490863.09	3858377.25	0.15079	0.27277	0.1161	0.04345	5.63E-04	8.14E-03	7.40E-04	1.37E-04	9.58E-03	5.12E-04	8.24E-09	9.87E-06	3.74E-06	5.26E-04	6.51E-04	8.14E-03	7.40E-04	1.37E-04	9.67E-03
4475	491363.09	3858377.25	0.14226	0.22005	0.1074	0.04177	5.31E-04	6.56E-03	6.85E-04	1.32E-04	7.91E-03	4.83E-04	6.65E-09	9.13E-06	3.60E-06	4.96E-04	6.14E-04	6.56E-03	6.85E-04	1.32E-04	8.00E-03
4476	491863.09	3858377.25	0.12256	0.15143	0.109	0.04045	4.57E-04	4.52E-03	6.95E-04	1.28E-04	5.80E-03	4.16E-04	4.57E-09	9.27E-06	3.48E-06	4.29E-04	5.29E-04	4.52E-03	6.95E-04	1.28E-04	5.87E-03
4477	492363.09	3858377.25	0.08217	0.10031	0.0812	0.03283	3.07E-04	2.99E-03	5.18E-04	1.04E-04	3.92E-03	2.79E-04	3.03E-09	6.90E-06	2.83E-06	2.89E-04	3.55E-04	2.99E-03	5.18E-04	1.04E-04	3.97E-03
4478	492863.09	3858377.25	0.08883	0.10141	0.0805	0.03209	3.31E-04	3.03E-03	5.13E-04	1.01E-04	3.97E-03	3.02E-04	3.06E-09	6.84E-06	2.76E-06	3.11E-04	3.83E-04	3.03E-03	5.13E-04	1.01E-04	4.02E-03
4479	493363.09	3858377.25	0.0749	0.08576	0.0652	0.02874	2.79E-04	2.56E-03	4.16E-04	9.07E-05	3.34E-03	2.54E-04	2.59E-09	5.54E-06	2.47E-06	2.62E-04	3.23E-04	2.56E-03	4.16E-04	9.07E-05	3.39E-03
4480	493863.09	3858377.25	0.06798	0.07663	0.0574	0.02662	2.54E-04	2.29E-03	3.66E-04	8.40E-05	2.99E-03	2.31E-04	2.31E-09	4.89E-06	2.29E-06	2.38E-04	2.93E-04	2.29E-03	3.66E-04	8.40E-05	3.03E-03
4481	494363.09	3858377.25	0.06002	0.06733	0.0502	0.0246	2.24E-04	2.01E-03	3.20E-04	7.77E-05	2.63E-03	2.04E-04	2.03E-09	4.27E-06	2.12E-06	2.10E-04	2.59E-04	2.01E-03	3.20E-04	7.77E-05	2.67E-03
4482	494863.09	3858377.25	0.05363	0.05989	0.0452	0.02294	2.00E-04	1.79E-03	2.88E-04	7.24E-05	2.35E-03	1.82E-04	1.81E-09	3.84E-06	1.98E-06	1.88E-04	2.31E-04	1.79E-03	2.88E-04	7.24E-05	2.38E-03
4483	495363.09	3858377.25	0.04669	0.05237	0.0406	0.02128	1.74E-04	1.56E-03	2.59E-04	6.72E-05	2.06E-03	1.59E-04	1.58E-09	3.45E-06	1.83E-06	1.64E-04	2.01E-04	1.56E-03	2.59E-04	6.72E-05	2.09E-03
4484	495863.09	3858377.25	0.04544	0.04969	0.0385	0.02031	1.70E-04	1.48E-03	2.45E-04	6.41E-05	1.96E-03	1.54E-04	1.50E-09	3.27E-06	1.75E-06	1.59E-04	1.96E-04	1.48E-03	2.45E-04	6.41E-05	1.99E-03
4485	496363.09	3858377.25	0.04377	0.04688	0.0364	0.01936	1.63E-04	1.40E-03	2.32E-04	6.11E-05	1.86E-03	1.49E-04	1.42E-09	3.10E-06	1.67E-06	1.53E-04	1.89E-04	1.40E-03	2.32E-04	6.11E-05	1.88E-03
4486	496863.09	3858377.25	0.04568	0.04708	0.0357	0.01887	1.70E-04	1.40E-03	2.28E-04	5.96E-05	1.86E-03	1.55E-04	1.42E-09	3.03E-06	1.62E-06	1.60E-04	1.97E-04	1.40E-03	2.28E-04	5.96E-05	1.89E-03
4487	497363.09	3858377.25	0.04567	0.0459	0.0346	0.01828	1.70E-04	1.37E-03	2.21E-04	5.77E-05	1.82E-03	1.55E-04	1.39E-09	2.95E-06	1.57E-06	1.60E-04	1.97E-04	1.37E-03	2.21E-04	5.77E-05	1.85E-03
4488	497863.09	3858377.25	0.04993	0.04857	0.035	0.01819	1.86E-04	1.45E-03	2.23E-04	5.74E-05	1.92E-03	1.70E-04	1.47E-09	2.98E-06	1.57E-06	1.74E-04	2.15E-04	1.45E-03	2.23E-04	5.74E-05	1.95E-03
4489	498363.09	3858377.25	0.05511	0.05331	0.0364	0.01851	2.06E-04	1.59E-03	2.32E-04	5.84E-05	2.09E-03	1.87E-04	1.61E-09	3.10E-06	1.59E-06	1.92E-04	2.38E-04	1.59E-03	2.32E-04	5.84E-05	2.12E-03
4490	471363.09	3858877.25	0.00926	0.00723	0.0037	0.00341	3.46E-05	2.16E-04	2.34E-05	1.08E-05	2.84E-04	3.14E-05	2.18E-10	3.12E-07	2.94E-07	3.20E-05	4.00E-05	2.16E-04	2.34E-05	1.08E-05	2.90E-04
4491	471863.09	3858877.25	0.00965	0.00732	0.0038	0.00356	3.60E-05	2.18E-04	2.44E-05	1.12E-05	2.90E-04	3.28E-05	2.21E-10	3.25E-07	3.07E-07	3.34E-05	4.16E-05	2.18E-04	2.44E-05	1.12E-05	2.96E-04
4492	472363.09	3858877.25	0.01035	0.00799	0.004	0.00372	3.86E-05	2.38E-04	2.55E-05	1.17E-05	3.14E-04	3.51E-05	2.41E-10	3.39E-07	3.20E-07	3.58E-05	4.47E-05	2.38E-04	2.55E-05	1.17E-05	3.20E-04
4493	472863.09	3858877.25	0.01108	0.00854	0.0042	0.00387	4.13E-05	2.55E-04	2.66E-05	1.22E-05	3.35E-04	3.76E-05	2.58E-10	3.55E-07	3.33E-07	3.83E-05	4.78E-05	2.55E-04	2.66E-05	1.22E-05	3.41E-04
4494	473363.09	3858877.25	0.01211	0.00971	0.0043	0.00399	4.52E-05	2.90E-04	2.75E-05	1.26E-05	3.75E-04	4.11E-05	2.93E-10	3.67E-07	3.44E-07	4.18E-05	5.23E-05	2.90E-04	2.75E-05	1.26E-05	3.82E-04
4495	473863.09	3858877.25	0.01277	0.00952	0.0046	0.00416	4.77E-05	2.84E-04	2.90E-05	1.31E-05	3.74E-04	4.34E-05	2.87E-10	3.87E-07	3.58E-07	4.41E-05	5.51E-05	2.84E-04	2.90E-05	1.31E-05	3.81E-04
4496	474363.09	3858877.25	0.01257	0.00802	0.0052	0.00453	4.69E-05	2.39E-04	3.29E-05	1.43E-05	3.33E-04	4.27E-05	2.42E-10	4.39E-07	3.90E-07	4.35E-05	5.42E-05	2.39E-04	3.29E-05	1.43E-05	3.41E-04
4497	474863.09	3858877.25	0.00639	0.00415	0.0036	0.00372	2.38E-05	1.24E-04	2.28E-05	1.17E-05	1.82E-04	2.17E-05	1.25E-10	3.04E-07	3.20E-07	2.23E-05	2.76E-05	1.24E-04	2.28E-05	1.17E-05	1.86E-04
4498	475363.09	3858877.25	0.00456	0.00352	0.0033	0.0038	1.70E-05	1.05E-04	2.10E-05	1.20E-05	1.55E-04	1.55E-05	1.06E-10	2.81E-07	3.27E-07	1.61E-05	1.97E-05	1.05E-04	2.10E-05	1.20E-05	1.58E-04
4499	475863.09	3858877.25	0.0053	0.00392	0.0035	0.00403	1.98E-05	1.17E-04	2.23E-05	1.27E-05	1.72E-04	1.80E-05	1.18E-10	2.98E-07	3.47E-07	1.86E-05	2.29E-05	1.17E-04	2.23E-05	1.27E-05	1.75E-04
4500	476363.09	3858877.25	0.00317	0.00304	0.0032	0.00404	1.18E-05	9.07E-05	2.03E-05	1.28E-05	1.36E-04	1.08E-05	9.18E-11	2.71E-07	3.48E-07	1.14E-05	1.37E-05	9.07E-05	2.03E-05	1.28E-05	1.37E-04
4501	476863.09	3858877.25	0.00408	0.00358	0.0035	0.00431	1.52E-05	1.07E-04	2.26E-05	1.36E-05	1.58E-04	1.39E-05	1.08E-10	3.01E-07	3.71E-07	1.45E-05	1.76E-05	1.07E-04	2.26E-05	1.36E-05	1.61E-04
4502	477363.09	3858877.25	0.00432	0.00377	0.0036	0.00452	1.61E-05	1.12E-04	2.29E-05	1.43E-05	1.66E-04	1.47E-05	1.14E-10	3.05E-07	3.89E-07	1.54E-05	1.86E-05	1.12E-04	2.29E-05	1.43E-05	1.68E-04
4503	477863.09	3858877.25	0.0057	0.00447	0.0039	0.00481	2.13E-05	1.33E-04	2.47E-05	1.52E-05	1.95E-04	1.94E-05	1.35E-10	3.30E-07	4.14E-07	2.01E-05	2.46E-05	1.33E-04	2.47E-05	1.52E-05	1.98E-04
4504	478363.09	3858877.25	0.01352	0.00752	0.0061	0.00568	5.04E-05	2.24E-04	3.88E-05	1.79E-05	3.32E-04	4.59E-05	2.27E-10	5.18E-07	4.89E-07	4.69E-05	5.83E-05	2.24E-04	3.88E-05	1.79E-05	3.39E-04
4505	478863.09	3858877.25	0.01114	0.00687	0.0055	0.00569	4.16E-05	2.05E-04	3.48E-05	1.80E-05	2.99E-04	3.78E-05	2.07E-10	4.64E-07	4.90E-07	3.88E-05	4.81E-05	2.05E-04	3.48E-05	1.80E-05	3.06E-04
4506	479363.09	3858877.25	0.00875	0.00611	0.0047	0.00575	3.27E-05	1.82E-04	3.00E-05	1.82E-05	2.63E-04	2.97E-05	1.85E-10	4.00E-07	4.95E-07	3.06E-05	3.78E-05	1.82E-04	3.00E-05	1.82E-05	2.68E-04
4507	479863.09	3858877.25	0.03614	0.02521	0.0078	0.00736	1.35E-04	7.52E-04	4.95E-05	2.32E-05	9.60E-04	1.23E-04	7.61E-10	6.60E-07	6.34E-07	1.24E-04	1.56E-04	7.52E-04	4.95E-05	2.32E-05	9.81E-04
4508	480363.09	3858877.25	0.04032	0.03205	0.0073	0.00747	1.50E-04	9.56E-04	4.66E-05	2.36E-05	1.18E-03	1.37E-04	9.68E-10	6.22E-07	6.43E-07	1.38E-04	1.74E-04	9.56E-04	4.66E-05	2.36E-05	1.20E-03
4509	480863.09	3858877.25	0.04432	0.0381	0.0072	0.00763	1.65E-04	1.14E-03	4.57E-05	2.41E-05	1.37E-03	1.50E-04	1.15E-09	6.10E-07	6.57E-07	1.52E-04	1.91E-04	1.14E-03	4.57E-05	2.41E-05	1.40E-03
4510	481363.09	3858877.25	0.04888	0.04299	0.0074	0.00801	1.82E-04	1.28E-03	4.75E-05	2.53E-05	1.54E-03	1.66E-04	1.30E-09	6.33E-07	6.90E-07	1.67E-04	2.11E-04	1.28E-03	4.75E-05	2.53E-05	1.57E-03

4511	481863.09	3858877.25	0.05435	0.04919	0.0078	0.00841	2.03E-04	1.47E-03	4.97E-05	2.66E-05	1.75E-03	1.85E-04	1.49E-09	6.63E-07	7.24E-07	1.86E-04	2.35E-04	1.47E-03	4.97E-05	2.66E-05	1.78E-03
4512	482363.09	3858877.25	0.06051	0.05354	0.0084	0.00923	2.26E-04	1.60E-03	5.38E-05	2.91E-05	1.91E-03	2.05E-04	1.62E-09	7.18E-07	7.95E-07	2.07E-04	2.61E-04	1.60E-03	5.38E-05	2.91E-05	1.94E-03
4513	482863.09	3858877.25	0.06788	0.06338	0.0092	0.0095	2.53E-04	1.89E-03	5.85E-05	3.00E-05	2.23E-03	2.30E-04	1.91E-09	7.80E-07	8.18E-07	2.32E-04	2.93E-04	1.89E-03	5.85E-05	3.00E-05	2.27E-03
4514	483363.09	3858877.25	0.06945	0.09893	0.01	0.01014	2.59E-04	2.95E-03	6.40E-05	3.20E-05	3.31E-03	2.36E-04	2.99E-09	8.53E-07	8.73E-07	2.38E-04	3.00E-04	2.95E-03	6.40E-05	3.20E-05	3.35E-03
4515	483863.09	3858877.25	0.07377	0.11491	0.0113	0.01114	2.75E-04	3.43E-03	7.22E-05	3.52E-05	3.81E-03	2.50E-04	3.47E-09	9.63E-07	9.59E-07	2.52E-04	3.18E-04	3.43E-03	7.22E-05	3.52E-05	3.85E-03
4516	484363.09	3858877.25	0.08043	0.13592	0.0131	0.0126	3.00E-04	4.05E-03	8.36E-05	3.98E-05	4.48E-03	2.73E-04	4.10E-09	1.11E-06	1.08E-06	2.75E-04	3.47E-04	4.05E-03	8.36E-05	3.98E-05	4.53E-03
4517	484863.09	3858877.25	0.08632	0.16712	0.0151	0.01426	3.22E-04	4.99E-03	9.61E-05	4.50E-05	5.45E-03	2.93E-04	5.05E-09	1.28E-06	1.23E-06	2.96E-04	3.72E-04	4.99E-03	9.61E-05	4.50E-05	5.50E-03
4518	485363.09	3858877.25	0.08998	0.2233	0.0169	0.01699	3.36E-04	6.66E-03	1.08E-04	5.36E-05	7.16E-03	3.05E-04	6.74E-09	1.43E-06	1.46E-06	3.08E-04	3.88E-04	6.66E-03	1.08E-04	5.36E-05	7.21E-03
4519	485863.09	3858877.25	0.09253	0.35843	0.0187	0.02333	3.45E-04	1.07E-02	1.20E-04	7.37E-05	1.12E-02	3.14E-04	1.08E-08	1.59E-06	2.01E-06	3.18E-04	3.99E-04	1.07E-02	1.20E-04	7.37E-05	1.13E-02
4520	486363.09	3858877.25	0.09039	1.83559	0.0206	0.03462	3.37E-04	5.48E-02	1.32E-04	1.09E-04	5.53E-02	3.07E-04	5.54E-08	1.75E-06	2.98E-06	3.12E-04	3.90E-04	5.48E-02	1.32E-04	1.09E-04	5.54E-02
4521	486863.09	3858877.25	0.08861	2.66626	0.0208	0.08183	3.31E-04	7.95E-02	1.33E-04	2.58E-04	8.03E-02	3.01E-04	8.05E-08	1.77E-06	7.05E-06	3.10E-04	3.82E-04	7.95E-02	1.33E-04	2.58E-04	8.03E-02
4522	487363.09	3858877.25	0.09424	2.71219	0.0189	0.24125	3.52E-04	8.09E-02	1.20E-04	7.62E-04	8.21E-02	3.20E-04	8.19E-08	1.60E-06	2.08E-05	3.42E-04	4.07E-04	8.09E-02	1.20E-04	7.62E-04	8.22E-02
4523	487863.09	3858877.25	0.09779	1.31345	0.0197	0.14491	3.65E-04	3.92E-02	1.26E-04	4.58E-04	4.01E-02	3.32E-04	3.97E-08	1.68E-06	1.25E-05	3.46E-04	4.22E-04	3.92E-02	1.26E-04	4.58E-04	4.02E-02
4524	488363.09	3858877.25	0.1034	2.24839	0.02	0.10885	3.86E-04	6.71E-02	1.28E-04	3.44E-04	6.79E-02	3.51E-04	6.79E-08	1.70E-06	9.37E-06	3.62E-04	4.46E-04	6.71E-02	1.28E-04	3.44E-04	6.80E-02
4525	488863.09	3858877.25	0.10821	1.06585	0.0284	0.09227	4.04E-04	3.18E-02	1.81E-04	2.91E-04	3.27E-02	3.67E-04	3.22E-08	2.42E-06	7.95E-06	3.78E-04	4.67E-04	3.18E-02	1.81E-04	2.91E-04	3.27E-02
4526	489363.09	3858877.25	0.10211	0.71373	0.0432	0.08081	3.81E-04	2.13E-02	2.76E-04	2.55E-04	2.22E-02	3.47E-04	2.16E-08	3.67E-06	6.96E-06	3.57E-04	4.41E-04	2.13E-02	2.76E-04	2.55E-04	2.23E-02
4527	489863.09	3858877.25	0.10282	0.53964	0.0514	0.06964	3.84E-04	1.61E-02	3.28E-04	2.20E-04	1.70E-02	3.49E-04	1.63E-08	4.37E-06	6.00E-06	3.59E-04	4.44E-04	1.61E-02	3.28E-04	2.20E-04	1.71E-02
4528	490363.09	3858877.25	0.10967	0.41649	0.0541	0.06022	4.09E-04	1.24E-02	3.45E-04	1.90E-04	1.34E-02	3.72E-04	1.26E-08	4.60E-06	5.19E-06	3.82E-04	4.73E-04	1.24E-02	3.45E-04	1.90E-04	1.34E-02
4529	490863.09	3858877.25	0.11288	0.30365	0.0554	0.05344	4.21E-04	9.06E-03	3.53E-04	1.69E-04	1.00E-02	3.83E-04	9.17E-09	4.71E-06	4.60E-06	3.93E-04	4.87E-04	9.06E-03	3.53E-04	1.69E-04	1.01E-02
4530	491363.09	3858877.25	0.10508	0.2062	0.0648	0.04858	3.92E-04	6.15E-03	4.13E-04	1.53E-04	7.11E-03	3.57E-04	6.23E-09	5.51E-06	4.18E-06	3.66E-04	4.53E-04	6.15E-03	4.13E-04	1.53E-04	7.17E-03
4531	491863.09	3858877.25	0.08192	0.14141	0.0655	0.04126	3.06E-04	4.22E-03	4.18E-04	1.30E-04	5.07E-03	2.78E-04	4.27E-09	5.57E-06	3.55E-06	2.87E-04	3.53E-04	4.22E-03	4.18E-04	1.30E-04	5.12E-03
4532	492363.09	3858877.25	0.08864	0.14685	0.0635	0.03969	3.31E-04	4.38E-03	4.05E-04	1.25E-04	5.24E-03	3.01E-04	4.43E-09	5.40E-06	3.42E-06	3.10E-04	3.82E-04	4.38E-03	4.05E-04	1.25E-04	5.29E-03
4533	492863.09	3858877.25	0.09101	0.15456	0.0573	0.03673	3.40E-04	4.61E-03	3.66E-04	1.16E-04	5.43E-03	3.09E-04	4.67E-09	4.87E-06	3.16E-06	3.17E-04	3.93E-04	4.61E-03	3.66E-04	1.16E-04	5.49E-03
4534	493363.09	3858877.25	0.08438	0.13063	0.057	0.03371	3.15E-04	3.90E-03	3.63E-04	1.06E-04	4.68E-03	2.86E-04	3.94E-09	4.85E-06	2.90E-06	2.94E-04	3.64E-04	3.90E-03	3.63E-04	1.06E-04	4.73E-03
4535	493863.09	3858877.25	0.07144	0.10181	0.053	0.02934	2.67E-04	3.04E-03	3.38E-04	9.26E-05	3.73E-03	2.43E-04	3.07E-09	4.51E-06	2.53E-06	2.50E-04	3.08E-04	3.04E-03	3.38E-04	9.26E-05	3.78E-03
4536	494363.09	3858877.25	0.0663	0.09009	0.0513	0.0271	2.47E-04	2.69E-03	3.27E-04	8.56E-05	3.35E-03	2.25E-04	2.72E-09	4.36E-06	2.33E-06	2.32E-04	2.86E-04	2.69E-03	3.27E-04	8.56E-05	3.39E-03
4537	494863.09	3858877.25	0.05959	0.07836	0.044	0.02423	2.22E-04	2.34E-03	2.81E-04	7.65E-05	2.92E-03	2.02E-04	2.37E-09	3.75E-06	2.09E-06	2.08E-04	2.57E-04	2.34E-03	2.81E-04	7.65E-05	2.95E-03
4538	495363.09	3858877.25	0.05353	0.0684	0.0393	0.02207	2.00E-04	2.04E-03	2.50E-04	6.97E-05	2.56E-03	1.82E-04	2.07E-09	3.34E-06	1.90E-06	1.87E-04	2.31E-04	2.04E-03	2.50E-04	6.97E-05	2.59E-03
4539	495863.09	3858877.25	0.0506	0.06263	0.0367	0.02059	1.89E-04	1.87E-03	2.34E-04	6.50E-05	2.36E-03	1.72E-04	1.89E-09	3.12E-06	1.77E-06	1.77E-04	2.18E-04	1.87E-03	2.34E-04	6.50E-05	2.39E-03
4540	496363.09	3858877.25	0.04976	0.05948	0.0354	0.01958	1.86E-04	1.77E-03	2.26E-04	6.18E-05	2.25E-03	1.69E-04	1.80E-09	3.01E-06	1.69E-06	1.74E-04	2.15E-04	1.77E-03	2.26E-04	6.18E-05	2.28E-03
4541	496863.09	3858877.25	0.049	0.05676	0.0342	0.01867	1.83E-04	1.69E-03	2.18E-04	5.89E-05	2.15E-03	1.66E-04	1.71E-09	2.91E-06	1.61E-06	1.71E-04	2.11E-04	1.69E-03	2.18E-04	5.89E-05	2.18E-03
4542	497363.09	3858877.25	0.04805	0.05412	0.0328	0.01783	1.79E-04	1.61E-03	2.09E-04	5.63E-05	2.06E-03	1.63E-04	1.63E-09	2.79E-06	1.54E-06	1.67E-04	2.07E-04	1.61E-03	2.09E-04	5.63E-05	2.09E-03
4543	497863.09	3858877.25	0.0528	0.0582	0.0349	0.01793	1.97E-04	1.74E-03	2.23E-04	5.66E-05	2.21E-03	1.79E-04	1.76E-09	2.97E-06	1.54E-06	1.84E-04	2.28E-04	1.74E-03	2.23E-04	5.66E-05	2.24E-03
4544	498363.09	3858877.25	0.05586	0.06274	0.0363	0.01798	2.08E-04	1.87E-03	2.31E-04	5.68E-05	2.37E-03	1.90E-04	1.89E-09	3.09E-06	1.55E-06	1.94E-04	2.41E-04	1.87E-03	2.31E-04	5.68E-05	2.40E-03
4545	471363.09	3859377.25	0.00916	0.0072	0.0042	0.00348	3.42E-05	2.15E-04	2.67E-05	1.10E-05	2.87E-04	3.11E-05	2.17E-10	3.55E-07	3.00E-07	3.18E-05	3.95E-05	2.15E-04	2.67E-05	1.10E-05	2.92E-04
4546	471863.09	3859377.25	0.00976	0.00754	0.0043	0.00359	3.64E-05	2.25E-04	2.75E-05	1.13E-05	3.00E-04	3.31E-05	2.28E-10	3.67E-07	3.09E-07	3.38E-05	4.21E-05	2.25E-04	2.75E-05	1.13E-05	3.06E-04
4547	472363.09	3859377.25	0.01058	0.00828	0.0044	0.00369	3.95E-05	2.47E-04	2.79E-05	1.17E-05	3.26E-04	3.59E-05	2.50E-10	3.73E-07	3.18E-07	3.66E-05	4.57E-05	2.47E-04	2.79E-05	1.17E-05	3.32E-04
4548	472863.09	3859377.25	0.01139	0.00888	0.0045	0.00378	4.25E-05	2.65E-04	2.84E-05	1.19E-05	3.48E-04	3.87E-05	2.68E-10	3.79E-07	3.25E-07	3.94E-05	4.91E-05	2.65E-04	2.84E-05	1.19E-05	3.54E-04
4549	473363.09	3859377.25	0.01229	0.00973	0.0045	0.00388	4.59E-05	2.90E-04	2.86E-05	1.23E-05	3.77E-04	4.17E-05	2.94E-10	3.82E-07	3.34E-07	4.24E-05	5.30E-05	2.90E-04	2.86E-05	1.23E-05	3.84E-04
4550	473863.09	3859377.25	0.01308	0.01005	0.0046	0.00403	4.88E-05	3.00E-04	2.96E-05	1.27E-05	3.91E-04	4.44E-05	3.03E-10	3.95E-07	3.47E-07	4.51E-05	5.64E-05	3.00E-04	2.96E-05	1.27E-05	3.99E-04
4551	474363.09	3859377.25	0.0128	0.00818	0.0057	0.0044	4.78E-05	2.44E-04	3.65E-05	1.39E-05	3.42E-04	4.35E-05	2.47E-10	4.87E-07	3.79E-07	4.43E-05	5.52E-05	2.44E-04	3.65E-05	1.39E-05	3.50E-04
4552	474863.09	3859377.25	0.01013	0.00578	0.0048	0.00413	3.78E-05	1.72E-04	3.05E-05	1.30E-05	2.54E-04	3.44E-05	1.75E-10	4.07E-07	3.56E-07	3.52E-05	4.37E-05	1.72E-04	3.05E-05	1.30E-05	2.60E-04
4553	475363.09	3859377.25	0.00649	0.0042	0.0033	0.00387	2.42E-05	1.25E-04	2.09E-05	1.22E-05	1.83E-04	2.20E-05	1.27E-10	2.78E-07	3.33E-07	2.26E-05	2.80E-05	1.25E-04	2.09E-05	1.22E-05	1.86E-04
4554	475863.09	3859377.25	0.00399	0.00327	0.0029	0.00385	1.49E-05	9.76E-05	1.85E-05	1.22E-05	1.43E-04	1.35E-05	9.87E-11	2.47E-07	3.32E-07	1.41E-05	1.72E-05	9.76E-05	1.85E-05	1.22E-05	1.45E-04
4555	476363.09	3859377.25	0.00359	0.00311	0.003	0.00391	1.34E-05	9.28E-05	1.88E-05	1.23E-05	1.37E-04	1.22E-05	9.39E-11	2.51E-07	3.37E-07	1.28E-05	1.55E-05	9.28E-05	1.88E-05	1.23E-05	1.39E-04
4556	476863.09	3859377.25	0.00287	0.0028	0.003	0.00398	1.07E-05	8.35E-05	1.89E-05	1.26E-05	1.26E-04	9.74E-06	8.46E-11	2.53E-07	3.43E-07	1.03E-05	1.24E-05	8.35E-05	1.89E-05	1.26E-05	1.27E-04
4557	477363.09	3859377.25	0.0032	0.00303	0.0031	0.00415	1.19E-05	9.04E-05	2.00E-05	1.31E-05	1.35E-04	1.09E-05	9.15E-11	2.66E-07	3.57E-07	1.15E-05	1.38E-05	9.04E-05	2.00E-05	1.31E-05	1.37E-04
4558	477863.09	3859377.25	0.00668	0.00462	0.0036	0.00461	2.49E-05	1.38E-04	2.29E-05	1.46E-05	2.00E-04	2.27E-05	1.40E-10	3.05E-07	3.97E-07	2.34E-05	2.88E-05	1.38E-04	2.29E-05	1.46E-05	2.04E-04
4559	478363.09	3859377.25	0.01168	0.00658	0.0051	0.00526	4.36E-05	1.96E-04	3.23E-05	1.66E-05	2.89E-04	3.97E-05	1.99E-10	4.31E-07	4.53E-07	4.05E-05	5.04E-05	1.96E-04	3.23E-05	1.66E-05	2.96E-04
4560	478863.09	3859377.25	0.02005	0.00996	0.0086	0.00629	7.48E-05	2.97E-04	5.45E-05	1.99E-05	4.46E-04	6.81E-05	3.01E-10	7.27E-07	5.42E-07	6.93E-05	8.65E-05	2.97E-04	5.45E-05	1.99E-05	4.58E-04
4561	479363.09	3859377.25	0.02743	0.01479	0.0097	0.00697	1.02E-04	4.41E-04	6.18E-05	2.20E-05	6.27E-04	9.31E-05	4.47E-10	8.24E-07	6.00E-07	9.46E-05	1.18E-04	4.41E-04	6.18E-05	2.20E-05	6.43E-04
4562	479863.09	3859377.25	0.0325	0.02119	0.0084	0.00715	1.21E-04	6.32E-04	5.37E-05	2.26E-05	8.30E-04	1.10E-04	6.40E-10	7.16E-07	6.16E-07	1.12E-04	1.40E-04	6.32E-04	5.37E-05	2.26E-05	8.49E-04
4563	480363.09	3859377.25	0.03605	0.02934	0.0073	0.00699	1.35E-04	8.75E-04	4.62E-05	2.21E-05	1.08E-03	1.22E-04	8.86E-10	6.17E-07	6.02E-07	1.24E-04	1.56E-04	8.75E-04	4.62E-05	2.21E-05	1.10E-03
4564	480863.09	3859377.25	0.03923	0.03613	0.0073	0.00691	1.46E-04	1.08E-03	4.67E-05	2.18E-05	1.29E-03	1.33E-04	1.09E-09	6.23E-07	5.95E-07	1.34E-04	1.69E-04	1.08E-03	4.67E-05	2.18E-05	1.32E-03
4565	481363.09	3859377.25	0.04293	0.04194	0.0081	0.00704	1.60E-04	1.25E-03	5.15E-05	2.22E-05	1.49E-03	1.46E-04	1.27E-09	6.87E-07	6.06E-07	1.47E-04	1.85E-04	1.25E-03	5.15E-05	2.22E-05	1.51E-03
4566	481863.09	3859377.25	0.04685	0.04782	0.0091	0.00748	1.75E-04	1.43E-03	5.79E-05	2.36E-05	1.68E-03	1.59E-04	1.44E-09	7.71E-07	6.44E-07	1.60E-04	2.02E-04	1.43E-03	5.79E-05	2.36E-05	1.71E-03
4567	482363.09	3859377.25	0.05126	0.05288	0.0102	0.00773	1.91E-04	1.58E-03	6.52E-05	2.44E-05	1.86E-03	1.74E-04	1.60E-09	8.69E-07	6.66E-07	1.76E-04	2.21E-04	1.58E-03	6.52E-05	2.44E-05	1.89E-03
4568	482863.09	3859377.25	0.05543	0.06273	0.0112	0.0083	2.07E-04	1.87E-03	7.14E-05	2.62E-05	2.18E-03	1.88E-04	1.89E-09	9.52E-07	7.15E-07	1.90E-04	2.39E-04	1.87E-03	7.14E-05	2.62E-05	2.21E-03
4569	483363.09	3859377.25	0.05878	0.08098	0.0121	0.00873	2.19E-04	2.42E-03	7.69E-05	2.76E-05	2.74E-03	2.00E-04	2.45E-09	1.03E-06	7.52E-07	2.01E-04	2.54E-04	2.42E-03	7.69E-05	2.76E-05	2.77E-03
4570	483863.09	3859377.25	0.06062	0.09895	0.0125	0.0099	2.26E-04	2.95E-03	7.98E-05	3.13E-05	3.29E-03	2.06E-04	2.99E-09	1.06E-06	8.52E-07	2.08E-04	2.62E-04	2.95E-03	7.98E-05	3.13E-05	3.32E-03
4571	484363.09	3859377.25	0.06484	0.11677	0.0133	0.01096	2.42E-04	3.48E-03	8.51E-05	3.46E-05	3.85E-03	2.20E-04	3.53E-09	1.13E-06	9.44E-07	2.22E-04	2.80E-04	3.48E-03	8.51E-05	3.46E-05	3.88E-03

4572	484863.09	3859377.25	0.06855	0.14214	0.0142	0.01247	2.56E-04	4.24E-03	9.08E-05	3.94E-05	4.63E-03	2.33E-04	4.29E-09	1.21E-06	1.07E-06	2.35E-04	2.96E-04	4.24E-03	9.08E-05	3.94E-05	4.67E-03
4573	485363.09	3859377.25	0.06892	0.18412	0.0153	0.01494	2.57E-04	5.49E-03	9.76E-05	4.72E-05	5.89E-03	2.34E-04	5.56E-09	1.30E-06	1.29E-06	2.37E-04	2.97E-04	5.49E-03	9.76E-05	4.72E-05	5.94E-03
4574	485863.09	3859377.25	0.06796	0.26125	0.016	0.01831	2.54E-04	7.79E-03	1.02E-04	5.78E-05	8.21E-03	2.31E-04	7.89E-09	1.36E-06	1.58E-06	2.34E-04	2.93E-04	7.79E-03	1.02E-04	5.78E-05	8.25E-03
4575	486363.09	3859377.25	0.06744	0.43224	0.0148	0.02602	2.52E-04	1.29E-02	9.43E-05	8.22E-05	1.33E-02	2.29E-04	1.31E-08	1.26E-06	2.24E-06	2.32E-04	2.91E-04	1.29E-02	9.43E-05	8.22E-05	1.34E-02
4576	486863.09	3859377.25	0.06553	1.76816	0.0125	0.04504	2.45E-04	5.28E-02	7.98E-05	1.42E-04	5.32E-02	2.22E-04	5.34E-08	1.06E-06	3.88E-06	2.27E-04	2.83E-04	5.28E-02	7.98E-05	1.42E-04	5.33E-02
4577	487363.09	3859377.25	0.06781	2.31274	0.0107	0.07528	2.53E-04	6.90E-02	6.80E-05	2.38E-04	6.96E-02	2.30E-04	6.98E-08	9.07E-07	6.48E-06	2.38E-04	2.93E-04	6.90E-02	6.80E-05	2.38E-04	6.96E-02
4578	487863.09	3859377.25	0.07034	2.47665	0.0116	0.09867	2.62E-04	7.39E-02	7.39E-05	3.12E-04	7.45E-02	2.39E-04	7.48E-08	9.86E-07	8.50E-06	2.48E-04	3.04E-04	7.39E-02	7.39E-05	3.12E-04	7.46E-02
4579	488363.09	3859377.25	0.07399	2.89725	0.0115	0.16614	2.76E-04	8.64E-02	7.31E-05	5.25E-04	8.73E-02	2.51E-04	8.75E-08	9.75E-07	1.43E-05	2.67E-04	3.19E-04	8.64E-02	7.31E-05	5.25E-04	8.74E-02
4580	488863.09	3859377.25	0.07718	1.89502	0.0138	0.19831	2.88E-04	5.65E-02	8.80E-05	6.26E-04	5.75E-02	2.62E-04	5.72E-08	1.17E-06	1.71E-05	2.80E-04	3.33E-04	5.65E-02	8.80E-05	6.26E-04	5.76E-02
4581	489363.09	3859377.25	0.08071	0.93268	0.018	0.13865	3.01E-04	2.78E-02	1.15E-04	4.38E-04	2.87E-02	2.74E-04	2.82E-08	1.53E-06	1.19E-05	2.88E-04	3.48E-04	2.78E-02	1.15E-04	4.38E-04	2.87E-02
4582	489863.09	3859377.25	0.07619	0.6457	0.0226	0.09536	2.84E-04	1.93E-02	1.44E-04	3.01E-04	2.00E-02	2.59E-04	1.95E-08	1.92E-06	8.21E-06	2.69E-04	3.29E-04	1.93E-02	1.44E-04	3.01E-04	2.00E-02
4583	490363.09	3859377.25	0.07463	0.48369	0.026	0.07145	2.78E-04	1.44E-02	1.66E-04	2.26E-04	1.51E-02	2.53E-04	1.46E-08	2.21E-06	6.15E-06	2.62E-04	3.22E-04	1.44E-02	1.66E-04	2.26E-04	1.51E-02
4584	490863.09	3859377.25	0.07819	0.34584	0.0278	0.05825	2.92E-04	1.03E-02	1.77E-04	1.84E-04	1.10E-02	2.65E-04	1.04E-08	2.36E-06	5.02E-06	2.73E-04	3.37E-04	1.03E-02	1.77E-04	1.84E-04	1.10E-02
4585	491363.09	3859377.25	0.07821	0.21325	0.0322	0.05123	2.92E-04	6.36E-03	2.05E-04	1.62E-04	7.02E-03	2.66E-04	6.44E-09	2.74E-06	4.41E-06	2.73E-04	3.37E-04	6.36E-03	2.05E-04	1.62E-04	7.07E-03
4586	491863.09	3859377.25	0.0829	0.22846	0.0324	0.0433	3.09E-04	6.82E-03	2.07E-04	1.37E-04	7.47E-03	2.81E-04	6.90E-09	2.76E-06	3.73E-06	2.88E-04	3.58E-04	6.82E-03	2.07E-04	1.37E-04	7.52E-03
4587	492363.09	3859377.25	0.0809	0.20124	0.0338	0.03823	3.02E-04	6.00E-03	2.15E-04	1.21E-04	6.64E-03	2.75E-04	6.08E-09	2.87E-06	3.29E-06	2.81E-04	3.49E-04	6.00E-03	2.15E-04	1.21E-04	6.69E-03
4588	492863.09	3859377.25	0.07766	0.18282	0.0345	0.03427	2.90E-04	5.45E-03	2.20E-04	1.08E-04	6.07E-03	2.64E-04	5.52E-09	2.93E-06	2.95E-06	2.70E-04	3.35E-04	5.45E-03	2.20E-04	1.08E-04	6.12E-03
4589	493363.09	3859377.25	0.07306	0.15154	0.0371	0.03145	2.73E-04	4.52E-03	2.36E-04	9.93E-05	5.13E-03	2.48E-04	4.58E-09	3.15E-06	2.71E-06	2.54E-04	3.15E-04	4.52E-03	2.36E-04	9.93E-05	5.17E-03
4590	493863.09	3859377.25	0.07019	0.13704	0.0368	0.02902	2.62E-04	4.09E-03	2.34E-04	9.16E-05	4.68E-03	2.38E-04	4.14E-09	3.13E-06	2.50E-06	2.44E-04	3.03E-04	4.09E-03	2.34E-04	9.16E-05	4.72E-03
4591	494363.09	3859377.25	0.06672	0.11896	0.0369	0.02674	2.49E-04	3.55E-03	2.35E-04	8.44E-05	4.12E-03	2.27E-04	3.59E-09	3.13E-06	2.30E-06	2.32E-04	2.88E-04	3.55E-03	2.35E-04	8.44E-05	4.16E-03
4592	494863.09	3859377.25	0.06037	0.09594	0.0364	0.02409	2.25E-04	2.86E-03	2.32E-04	7.61E-05	3.40E-03	2.05E-04	2.90E-09	3.09E-06	2.07E-06	2.10E-04	2.61E-04	2.86E-03	2.32E-04	7.61E-05	3.43E-03
4593	495363.09	3859377.25	0.05772	0.08776	0.035	0.02237	2.15E-04	2.62E-03	2.23E-04	7.06E-05	3.13E-03	1.96E-04	2.65E-09	2.97E-06	1.93E-06	2.01E-04	2.49E-04	2.62E-03	2.23E-04	7.06E-05	3.16E-03
4594	495863.09	3859377.25	0.05411	0.07806	0.0334	0.02054	2.02E-04	2.33E-03	2.13E-04	6.49E-05	2.81E-03	1.84E-04	2.36E-09	2.84E-06	1.77E-06	1.88E-04	2.33E-04	2.33E-03	2.13E-04	6.49E-05	2.84E-03
4595	496363.09	3859377.25	0.05344	0.07453	0.0331	0.01952	1.99E-04	2.22E-03	2.11E-04	6.16E-05	2.70E-03	1.81E-04	2.25E-09	2.82E-06	1.68E-06	1.86E-04	2.31E-04	2.22E-03	2.11E-04	6.16E-05	2.73E-03
4596	496863.09	3859377.25	0.04905	0.0648	0.0311	0.01781	1.83E-04	1.93E-03	1.98E-04	5.62E-05	2.37E-03	1.67E-04	1.96E-09	2.65E-06	1.53E-06	1.71E-04	2.12E-04	1.93E-03	1.98E-04	5.62E-05	2.40E-03
4597	497363.09	3859377.25	0.05023	0.06515	0.032	0.01739	1.87E-04	1.94E-03	2.04E-04	5.49E-05	2.39E-03	1.71E-04	1.97E-09	2.72E-06	1.50E-06	1.75E-04	2.17E-04	1.94E-03	2.04E-04	5.49E-05	2.42E-03
4598	497863.09	3859377.25	0.05219	0.06938	0.0325	0.01726	1.95E-04	2.07E-03	2.07E-04	5.45E-05	2.53E-03	1.77E-04	2.10E-09	2.76E-06	1.49E-06	1.81E-04	2.25E-04	2.07E-03	2.07E-04	5.45E-05	2.56E-03
4599	498363.09	3859377.25	0.0522	0.07188	0.0313	0.01668	1.95E-04	2.14E-03	1.99E-04	5.27E-05	2.59E-03	1.77E-04	2.17E-09	2.66E-06	1.44E-06	1.81E-04	2.25E-04	2.14E-03	1.99E-04	5.27E-05	2.62E-03
4600	471363.09	3859877.25	0.00957	0.0077	0.0037	0.00337	3.57E-05	2.30E-04	2.33E-05	1.06E-05	2.99E-04	3.25E-05	2.33E-10	3.11E-07	2.90E-07	3.31E-05	4.13E-05	2.30E-04	2.33E-05	1.06E-05	3.05E-04
4601	471863.09	3859877.25	0.01022	0.00819	0.0037	0.00345	3.81E-05	2.44E-04	2.34E-05	1.09E-05	3.17E-04	3.47E-05	2.47E-10	3.12E-07	2.97E-07	3.53E-05	4.41E-05	2.44E-04	2.34E-05	1.09E-05	3.23E-04
4602	472363.09	3859877.25	0.01085	0.00857	0.0037	0.00356	4.05E-05	2.56E-04	2.37E-05	1.12E-05	3.31E-04	3.68E-05	2.59E-10	3.16E-07	3.07E-07	3.75E-05	4.68E-05	2.56E-04	2.37E-05	1.12E-05	3.37E-04
4603	472863.09	3859877.25	0.01162	0.00942	0.0037	0.00368	4.34E-05	2.81E-04	2.35E-05	1.16E-05	3.59E-04	3.95E-05	2.84E-10	3.13E-07	3.17E-07	4.01E-05	5.01E-05	2.81E-04	2.35E-05	1.16E-05	3.66E-04
4604	473363.09	3859877.25	0.01241	0.0103	0.0037	0.00381	4.63E-05	3.07E-04	2.33E-05	1.20E-05	3.89E-04	4.21E-05	3.11E-10	3.11E-07	3.28E-07	4.28E-05	5.36E-05	3.07E-04	2.33E-05	1.20E-05	3.96E-04
4605	473863.09	3859877.25	0.01321	0.01097	0.0037	0.00397	4.93E-05	3.27E-04	2.38E-05	1.25E-05	4.13E-04	4.48E-05	3.31E-10	3.17E-07	3.42E-07	4.55E-05	5.70E-05	3.27E-04	2.38E-05	1.25E-05	4.21E-04
4606	474363.09	3859877.25	0.01335	0.00935	0.0053	0.0045	4.98E-05	2.79E-04	3.35E-05	1.42E-05	3.76E-04	4.53E-05	2.82E-10	4.46E-07	3.87E-07	4.62E-05	5.76E-05	2.79E-04	3.35E-05	1.42E-05	3.84E-04
4607	474863.09	3859877.25	0.01255	0.00741	0.0057	0.00446	4.68E-05	2.21E-04	3.65E-05	1.41E-05	3.18E-04	4.26E-05	2.24E-10	4.86E-07	3.84E-07	4.35E-05	5.42E-05	2.21E-04	3.65E-05	1.41E-05	3.26E-04
4608	475363.09	3859877.25	0.00826	0.00472	0.0036	0.00387	3.08E-05	1.41E-04	2.31E-05	1.22E-05	2.07E-04	2.80E-05	1.43E-10	3.08E-07	3.33E-07	2.87E-05	3.56E-05	1.41E-04	2.31E-05	1.22E-05	2.12E-04
4609	475863.09	3859877.25	0.00393	0.00305	0.0029	0.00367	1.47E-05	9.10E-05	1.82E-05	1.16E-05	1.35E-04	1.33E-05	9.21E-11	2.42E-07	3.16E-07	1.39E-05	1.70E-05	9.10E-05	1.82E-05	1.16E-05	1.38E-04
4610	476363.09	3859877.25	0.00225	0.00225	0.0028	0.00355	8.40E-06	6.71E-05	1.79E-05	1.12E-05	1.05E-04	7.64E-06	6.79E-11	2.38E-07	3.06E-07	8.18E-06	9.71E-06	6.71E-05	1.79E-05	1.12E-05	1.06E-04
4611	476863.09	3859877.25	0.00267	0.00255	0.0032	0.00377	9.96E-06	7.61E-05	2.02E-05	1.19E-05	1.18E-04	9.06E-06	7.70E-11	2.69E-07	3.25E-07	9.66E-06	1.15E-05	7.61E-05	2.02E-05	1.19E-05	1.20E-04
4612	477363.09	3859877.25	0.00294	0.00273	0.0034	0.00393	1.10E-05	8.14E-05	2.19E-05	1.24E-05	1.27E-04	9.98E-06	8.24E-11	2.92E-07	3.38E-07	1.06E-05	1.27E-05	8.14E-05	2.19E-05	1.24E-05	1.28E-04
4613	477863.09	3859877.25	0.0059	0.00412	0.0039	0.00439	2.20E-05	1.23E-04	2.51E-05	1.39E-05	1.84E-04	2.00E-05	1.24E-10	3.35E-07	3.78E-07	2.07E-05	2.55E-05	1.23E-04	2.51E-05	1.39E-05	1.87E-04
4614	478363.09	3859877.25	0.01169	0.00636	0.0062	0.00503	4.36E-05	1.90E-04	3.98E-05	1.59E-05	2.89E-04	3.97E-05	1.92E-10	5.31E-07	4.33E-07	4.07E-05	5.04E-05	1.90E-04	3.98E-05	1.59E-05	2.96E-04
4615	478863.09	3859877.25	0.01929	0.00984	0.0109	0.00599	7.20E-05	2.94E-04	6.94E-05	1.89E-05	4.54E-04	6.55E-05	2.97E-10	9.25E-07	5.16E-07	6.69E-05	8.32E-05	2.94E-04	6.94E-05	1.89E-05	4.65E-04
4616	479363.09	3859877.25	0.02596	0.01584	0.0112	0.00674	9.69E-05	4.73E-04	7.14E-05	2.13E-05	6.62E-04	8.81E-05	4.78E-10	9.52E-07	5.80E-07	8.97E-05	1.12E-04	4.73E-04	7.14E-05	2.13E-05	6.77E-04
4617	479863.09	3859877.25	0.02945	0.02249	0.0093	0.00664	1.10E-04	6.71E-04	5.93E-05	2.10E-05	8.61E-04	1.00E-04	6.79E-10	7.91E-07	5.72E-07	1.01E-04	1.27E-04	6.71E-04	5.93E-05	2.10E-05	8.78E-04
4618	480363.09	3859877.25	0.03211	0.02986	0.0085	0.00618	1.20E-04	8.91E-04	5.43E-05	1.95E-05	1.08E-03	1.09E-04	9.02E-10	7.24E-07	5.32E-07	1.10E-04	1.39E-04	8.91E-04	5.43E-05	1.95E-05	1.10E-03
4619	480863.09	3859877.25	0.03476	0.03546	0.0089	0.00617	1.30E-04	1.06E-03	5.70E-05	1.95E-05	1.26E-03	1.18E-04	1.07E-09	7.59E-07	5.31E-07	1.19E-04	1.50E-04	1.06E-03	5.70E-05	1.95E-05	1.28E-03
4620	481363.09	3859877.25	0.03712	0.04058	0.0094	0.00636	1.39E-04	1.21E-03	6.01E-05	2.01E-05	1.43E-03	1.26E-04	1.23E-09	8.02E-07	5.48E-07	1.27E-04	1.60E-04	1.21E-03	6.01E-05	2.01E-05	1.45E-03
4621	481863.09	3859877.25	0.03976	0.04562	0.01	0.00667	1.48E-04	1.36E-03	6.35E-05	2.11E-05	1.59E-03	1.35E-04	1.38E-09	8.46E-07	5.74E-07	1.36E-04	1.72E-04	1.36E-03	6.35E-05	2.11E-05	1.62E-03
4622	482363.09	3859877.25	0.04329	0.0516	0.0104	0.00699	1.62E-04	1.54E-03	6.64E-05	2.21E-05	1.79E-03	1.47E-04	1.56E-09	8.85E-07	6.02E-07	1.48E-04	1.87E-04	1.54E-03	6.64E-05	2.21E-05	1.81E-03
4623	482863.09	3859877.25	0.047	0.05888	0.0108	0.00746	1.75E-04	1.76E-03	6.90E-05	2.36E-05	2.02E-03	1.60E-04	1.78E-09	9.20E-07	6.42E-07	1.61E-04	2.03E-04	1.76E-03	6.90E-05	2.36E-05	2.05E-03
4624	483363.09	3859877.25	0.05056	0.06782	0.0112	0.00791	1.89E-04	2.02E-03	7.12E-05	2.50E-05	2.31E-03	1.72E-04	2.05E-09	9.49E-07	6.81E-07	1.73E-04	2.18E-04	2.02E-03	7.12E-05	2.50E-05	2.34E-03
4625	483863.09	3859877.25	0.05141	0.08583	0.0115	0.00873	1.92E-04	2.56E-03	7.32E-05	2.76E-05	2.85E-03	1.75E-04	2.59E-09	9.75E-07	7.52E-07	1.76E-04	2.22E-04	2.56E-03	7.32E-05	2.76E-05	2.88E-03
4626	484363.09	3859877.25	0.05349	0.0999	0.0123	0.00966	2.00E-04	2.98E-03	7.81E-05	3.05E-05	3.29E-03	1.82E-04	3.02E-09	1.04E-06	8.32E-07	1.83E-04	2.31E-04	2.98E-03	7.81E-05	3.05E-05	3.32E-03
4627	484863.09	3859877.25	0.05484	0.11887	0.0131	0.01081	2.05E-04	3.55E-03	8.34E-05	3.41E-05	3.87E-03	1.86E-04	3.59E-09	1.11E-06	9.31E-07	1.88E-04	2.37E-04	3.55E-03	8.34E-05	3.41E-05	3.90E-03
4628	485363.09	3859877.25	0.05414	0.1464	0.0133	0.0119	2.02E-04	4.37E-03	8.47E-05	3.76E-05	4.69E-03	1.84E-04	4.42E-09	1.13E-06	1.02E-06	1.86E-04	2.34E-04	4.37E-03	8.47E-05	3.76E-05	4.72E-03
4629	485863.09	3859877.25	0.0529	0.18856	0.0122	0.01425	1.97E-04	5.63E-03	7.76E-05	4.50E-05	5.95E-03	1.80E-04	5.69E-09	1.03E-06	1.23E-06	1.82E-04	2.28E-04	5.63E-03	7.76E-05	4.50E-05	5.98E-03
4630	486363.09	3859877.25	0.05238	0.24654	0.0105	0.01831	1.95E-04	7.36E-03	6.67E-05	5.78E-05	7.68E-03	1.78E-04	7.45E-09	8.89E-07	1.58E-06	1.80E-04	2.26E-04	7.36E-03	6.67E-05	5.78E-05	7.71E-03
4631	486863.09	3859877.25	0.05188	0.33064	0.0086	0.02541	1.94E-04	9.86E-03	5.47E-05	8.02E-05	1.02E-02	1.76E-04	9.98E-09	7.29E-07	2.19E-06	1.79E-04	2.24E-04	9.86E-03	5.47E-05	8.02E-05	1.02E-02
4632	487363.09	3859877.25	0.05241	0.48886	0.0077	0.03895	1.96E-04	1.46E-02	4.93E-05	1.23E-04	1.50E-02	1.78E-04	1.48E-08	6.57E-07	3.35E-06	1.82E-04	2.26E-04	1.46E-02	4.93E-05	1.23E-04	1.50E-02

4633	487863.09	3859877.25	0.05455	2.06423	0.0095	0.08257	2.04E-04	6.16E-02	6.04E-05	2.61E-04	6.21E-02	1.85E-04	6.23E-08	8.05E-07	7.11E-06	1.93E-04	2.35E-04	6.16E-02	6.04E-05	2.61E-04	6.21E-02
4634	488363.09	3859877.25	0.05602	2.55265	0.0089	0.15434	2.09E-04	7.62E-02	5.68E-05	4.87E-04	7.69E-02	1.90E-04	7.71E-08	7.58E-07	1.33E-05	2.04E-04	2.42E-04	7.62E-02	5.68E-05	4.87E-04	7.69E-02
4635	488863.09	3859877.25	0.05843	1.08804	0.0086	0.28676	2.18E-04	3.25E-02	5.49E-05	9.05E-04	3.36E-02	1.98E-04	3.29E-08	7.31E-07	2.47E-05	2.24E-04	2.52E-04	3.25E-02	5.49E-05	9.05E-04	3.37E-02
4636	489363.09	3859877.25	0.06022	0.79059	0.0124	0.14702	2.25E-04	2.36E-02	7.93E-05	4.64E-04	2.44E-02	2.04E-04	2.39E-08	1.06E-06	1.27E-05	2.18E-04	2.60E-04	2.36E-02	7.93E-05	4.64E-04	2.44E-02
4637	489863.09	3859877.25	0.06281	0.61807	0.014	0.08908	2.34E-04	1.84E-02	8.95E-05	2.81E-04	1.90E-02	2.13E-04	1.87E-08	1.19E-06	7.67E-06	2.22E-04	2.71E-04	1.84E-02	8.95E-05	2.81E-04	1.91E-02
4638	490363.09	3859877.25	0.05914	0.50056	0.0158	0.06301	2.21E-04	1.49E-02	1.01E-04	1.99E-04	1.55E-02	2.01E-04	1.51E-08	1.34E-06	5.43E-06	2.08E-04	2.55E-04	1.49E-02	1.01E-04	1.99E-04	1.55E-02
4639	490863.09	3859877.25	0.05732	0.39882	0.0174	0.04824	2.14E-04	1.19E-02	1.11E-04	1.52E-04	1.24E-02	1.95E-04	1.20E-08	1.48E-06	4.15E-06	2.00E-04	2.47E-04	1.19E-02	1.11E-04	1.52E-04	1.24E-02
4640	491363.09	3859877.25	0.05751	0.33297	0.0188	0.03991	2.15E-04	9.93E-03	1.20E-04	1.26E-04	1.04E-02	1.95E-04	1.01E-08	1.60E-06	3.44E-06	2.00E-04	2.48E-04	9.93E-03	1.20E-04	1.26E-04	1.04E-02
4641	491863.09	3859877.25	0.06029	0.27896	0.0196	0.03426	2.25E-04	8.32E-03	1.25E-04	1.08E-04	8.78E-03	2.05E-04	8.42E-09	1.67E-06	2.95E-06	2.09E-04	2.60E-04	8.32E-03	1.25E-04	1.08E-04	8.82E-03
4642	492363.09	3859877.25	0.06331	0.23802	0.0208	0.03029	2.36E-04	7.10E-03	1.33E-04	9.56E-05	7.57E-03	2.15E-04	7.19E-09	1.77E-06	2.61E-06	2.19E-04	2.73E-04	7.10E-03	1.33E-04	9.56E-05	7.60E-03
4643	492863.09	3859877.25	0.06459	0.19928	0.0217	0.02742	2.41E-04	5.95E-03	1.38E-04	8.66E-05	6.41E-03	2.19E-04	6.02E-09	1.84E-06	2.36E-06	2.23E-04	2.79E-04	5.95E-03	1.38E-04	8.66E-05	6.45E-03
4644	493363.09	3859877.25	0.06339	0.17343	0.0223	0.02512	2.37E-04	5.17E-03	1.42E-04	7.93E-05	5.63E-03	2.15E-04	5.24E-09	1.89E-06	2.16E-06	2.19E-04	2.74E-04	5.17E-03	1.42E-04	7.93E-05	5.67E-03
4645	493863.09	3859877.25	0.0612	0.15253	0.0229	0.02325	2.28E-04	4.55E-03	1.46E-04	7.34E-05	5.00E-03	2.08E-04	4.61E-09	1.94E-06	2.00E-06	2.12E-04	2.64E-04	4.55E-03	1.46E-04	7.34E-05	5.03E-03
4646	494363.09	3859877.25	0.05846	0.13178	0.0241	0.02181	2.18E-04	3.93E-03	1.53E-04	6.89E-05	4.37E-03	1.98E-04	3.98E-09	2.05E-06	1.88E-06	2.02E-04	2.52E-04	3.93E-03	1.53E-04	6.89E-05	4.41E-03
4647	494863.09	3859877.25	0.05637	0.11963	0.0247	0.02048	2.10E-04	3.57E-03	1.58E-04	6.47E-05	4.00E-03	1.91E-04	3.61E-09	2.10E-06	1.76E-06	1.95E-04	2.43E-04	3.57E-03	1.58E-04	6.47E-05	4.03E-03
4648	495363.09	3859877.25	0.05438	0.10623	0.0257	0.01944	2.03E-04	3.17E-03	1.64E-04	6.14E-05	3.60E-03	1.85E-04	3.21E-09	2.18E-06	1.67E-06	1.88E-04	2.35E-04	3.17E-03	1.64E-04	6.14E-05	3.63E-03
4649	495863.09	3859877.25	0.05235	0.09405	0.0265	0.01851	1.95E-04	2.81E-03	1.69E-04	5.84E-05	3.23E-03	1.78E-04	2.84E-09	2.25E-06	1.59E-06	1.82E-04	2.26E-04	2.81E-03	1.69E-04	5.84E-05	3.26E-03
4650	496363.09	3859877.25	0.04909	0.07936	0.0272	0.01742	1.83E-04	2.37E-03	1.73E-04	5.50E-05	2.78E-03	1.67E-04	2.40E-09	2.31E-06	1.50E-06	1.70E-04	2.12E-04	2.37E-03	1.73E-04	5.50E-05	2.81E-03
4651	496863.09	3859877.25	0.03975	0.05779	0.0232	0.01482	1.48E-04	1.72E-03	1.48E-04	4.68E-05	2.07E-03	1.35E-04	1.75E-09	1.97E-06	1.28E-06	1.38E-04	1.72E-04	1.72E-03	1.48E-04	4.68E-05	2.09E-03
4652	497363.09	3859877.25	0.04507	0.06639	0.0255	0.01562	1.68E-04	1.98E-03	1.63E-04	4.93E-05	2.36E-03	1.53E-04	2.00E-09	2.17E-06	1.35E-06	1.57E-04	1.94E-04	1.98E-03	1.63E-04	4.93E-05	2.39E-03
4653	497863.09	3859877.25	0.04672	0.07438	0.0242	0.01535	1.74E-04	2.22E-03	1.54E-04	4.85E-05	2.60E-03	1.59E-04	2.25E-09	2.06E-06	1.32E-06	1.62E-04	2.02E-04	2.22E-03	1.54E-04	4.85E-05	2.62E-03
4654	498363.09	3859877.25	0.04626	0.07589	0.0236	0.0145	1.73E-04	2.26E-03	1.51E-04	4.58E-05	2.63E-03	1.57E-04	2.29E-09	2.01E-06	1.25E-06	1.60E-04	2.00E-04	2.26E-03	1.51E-04	4.58E-05	2.66E-03
4655	471363.09	3860377.25	0.00982	0.00822	0.0031	0.00326	3.66E-05	2.45E-04	1.96E-05	1.03E-05	3.12E-04	3.33E-05	2.48E-10	2.61E-07	2.81E-07	3.39E-05	4.24E-05	2.45E-04	1.96E-05	1.03E-05	3.17E-04
4656	471863.09	3860377.25	0.0104	0.00872	0.0032	0.00338	3.88E-05	2.60E-04	2.02E-05	1.07E-05	3.30E-04	3.53E-05	2.63E-10	2.69E-07	2.91E-07	3.59E-05	4.49E-05	2.60E-04	2.02E-05	1.07E-05	3.36E-04
4657	472363.09	3860377.25	0.01104	0.00941	0.0032	0.0035	4.12E-05	2.81E-04	2.06E-05	1.11E-05	3.54E-04	3.75E-05	2.84E-10	2.75E-07	3.01E-07	3.81E-05	4.76E-05	2.81E-04	2.06E-05	1.11E-05	3.60E-04
4658	472863.09	3860377.25	0.01175	0.01027	0.0033	0.0036	4.38E-05	3.06E-04	2.10E-05	1.14E-05	3.83E-04	3.99E-05	3.10E-10	2.80E-07	3.10E-07	4.05E-05	5.07E-05	3.06E-04	2.10E-05	1.14E-05	3.89E-04
4659	473363.09	3860377.25	0.01256	0.01101	0.0034	0.0037	4.69E-05	3.28E-04	2.18E-05	1.17E-05	4.09E-04	4.26E-05	3.32E-10	2.91E-07	3.19E-07	4.33E-05	5.42E-05	3.28E-04	2.18E-05	1.17E-05	4.16E-04
4660	473863.09	3860377.25	0.0135	0.01147	0.0037	0.00382	5.04E-05	3.42E-04	2.35E-05	1.21E-05	4.28E-04	4.58E-05	3.46E-10	3.14E-07	3.29E-07	4.65E-05	5.83E-05	3.42E-04	2.35E-05	1.21E-05	4.36E-04
4661	474363.09	3860377.25	0.01446	0.01107	0.0043	0.00402	5.40E-05	3.30E-04	2.77E-05	1.27E-05	4.25E-04	4.91E-05	3.34E-10	3.69E-07	3.46E-07	4.98E-05	6.24E-05	3.30E-04	2.77E-05	1.27E-05	4.33E-04
4662	474863.09	3860377.25	0.01509	0.00995	0.0066	0.00454	5.63E-05	2.97E-04	4.22E-05	1.43E-05	4.10E-04	5.12E-05	3.00E-10	5.62E-07	3.91E-07	5.22E-05	6.51E-05	2.97E-04	4.22E-05	1.43E-05	4.18E-04
4663	475363.09	3860377.25	0.01432	0.00803	0.0079	0.00449	5.34E-05	2.40E-04	5.03E-05	1.42E-05	3.57E-04	4.86E-05	2.42E-10	6.71E-07	3.87E-07	4.97E-05	6.18E-05	2.40E-04	5.03E-05	1.42E-05	3.66E-04
4664	475863.09	3860377.25	0.01237	0.00644	0.0069	0.00423	4.62E-05	1.92E-04	4.43E-05	1.34E-05	2.96E-04	4.20E-05	1.94E-10	5.90E-07	3.64E-07	4.30E-05	5.34E-05	1.92E-04	4.43E-05	1.34E-05	3.03E-04
4665	476363.09	3860377.25	0.00959	0.00516	0.0053	0.00404	3.58E-05	1.54E-04	3.41E-05	1.28E-05	2.37E-04	3.26E-05	1.56E-10	4.54E-07	3.48E-07	3.34E-05	4.14E-05	1.54E-04	3.41E-05	1.28E-05	2.42E-04
4666	476863.09	3860377.25	0.00848	0.00478	0.0051	0.00411	3.16E-05	1.43E-04	3.23E-05	1.30E-05	2.20E-04	2.88E-05	1.44E-10	4.31E-07	3.54E-07	2.96E-05	3.66E-05	1.43E-04	3.23E-05	1.30E-05	2.25E-04
4667	477363.09	3860377.25	0.00479	0.00342	0.0043	0.00395	1.79E-05	1.02E-04	2.77E-05	1.25E-05	1.60E-04	1.63E-05	1.03E-10	3.69E-07	3.40E-07	1.70E-05	2.07E-05	1.02E-04	2.77E-05	1.25E-05	1.63E-04
4668	477863.09	3860377.25	0.00638	0.00408	0.005	0.00419	2.38E-05	1.22E-04	3.20E-05	1.32E-05	1.91E-04	2.17E-05	1.23E-10	4.27E-07	3.61E-07	2.24E-05	2.75E-05	1.22E-04	3.20E-05	1.32E-05	1.95E-04
4669	478363.09	3860377.25	0.01285	0.00668	0.0079	0.00495	4.79E-05	1.99E-04	5.02E-05	1.56E-05	3.13E-04	4.36E-05	2.02E-10	6.69E-07	4.26E-07	4.47E-05	5.54E-05	1.99E-04	5.02E-05	1.56E-05	3.21E-04
4670	478863.09	3860377.25	0.01862	0.01007	0.0089	0.00548	6.95E-05	3.00E-04	5.69E-05	1.73E-05	4.44E-04	6.32E-05	3.04E-10	7.59E-07	4.72E-07	6.44E-05	8.03E-05	3.00E-04	5.69E-05	1.73E-05	4.55E-04
4671	479363.09	3860377.25	0.02363	0.01557	0.0091	0.006	8.82E-05	4.65E-04	5.80E-05	1.89E-05	6.30E-04	8.02E-05	4.70E-10	7.73E-07	5.17E-07	8.15E-05	1.02E-04	4.65E-04	5.80E-05	1.89E-05	6.43E-04
4672	479863.09	3860377.25	0.02661	0.02281	0.0085	0.00584	9.93E-05	6.80E-04	5.45E-05	1.84E-05	8.53E-04	9.03E-05	6.89E-10	7.26E-07	5.03E-07	9.16E-05	1.15E-04	6.80E-04	5.45E-05	1.84E-05	8.68E-04
4673	480363.09	3860377.25	0.02848	0.02939	0.0085	0.00565	1.06E-04	8.77E-04	5.42E-05	1.78E-05	1.06E-03	9.67E-05	8.88E-10	7.23E-07	4.87E-07	9.79E-05	1.23E-04	8.77E-04	5.42E-05	1.78E-05	1.07E-03
4674	480863.09	3860377.25	0.03001	0.03443	0.0087	0.00568	1.12E-04	1.03E-03	5.55E-05	1.79E-05	1.21E-03	1.02E-04	1.04E-09	7.40E-07	4.89E-07	1.03E-04	1.29E-04	1.03E-03	5.55E-05	1.79E-05	1.23E-03
4675	481363.09	3860377.25	0.03199	0.03861	0.009	0.00595	1.19E-04	1.15E-03	5.73E-05	1.88E-05	1.35E-03	1.09E-04	1.17E-09	7.64E-07	5.12E-07	1.10E-04	1.38E-04	1.15E-03	5.73E-05	1.88E-05	1.37E-03
4676	481863.09	3860377.25	0.03491	0.04398	0.0092	0.00613	1.30E-04	1.31E-03	5.85E-05	1.94E-05	1.52E-03	1.19E-04	1.33E-09	7.80E-07	5.28E-07	1.20E-04	1.51E-04	1.31E-03	5.85E-05	1.94E-05	1.54E-03
4677	482363.09	3860377.25	0.03806	0.04879	0.0094	0.00646	1.42E-04	1.46E-03	5.98E-05	2.04E-05	1.68E-03	1.29E-04	1.47E-09	7.98E-07	5.56E-07	1.31E-04	1.64E-04	1.46E-03	5.98E-05	2.04E-05	1.70E-03
4678	482863.09	3860377.25	0.04051	0.05396	0.0098	0.00677	1.51E-04	1.61E-03	6.27E-05	2.14E-05	1.85E-03	1.38E-04	1.63E-09	8.36E-07	5.83E-07	1.39E-04	1.75E-04	1.61E-03	6.27E-05	2.14E-05	1.87E-03
4679	483363.09	3860377.25	0.04298	0.06295	0.0106	0.00724	1.60E-04	1.88E-03	6.76E-05	2.29E-05	2.13E-03	1.46E-04	1.90E-09	9.01E-07	6.23E-07	1.47E-04	1.85E-04	1.88E-03	6.76E-05	2.29E-05	2.15E-03
4680	483863.09	3860377.25	0.04564	0.07074	0.0113	0.00787	1.70E-04	2.11E-03	7.21E-05	2.48E-05	2.38E-03	1.55E-04	2.14E-09	9.61E-07	6.78E-07	1.57E-04	1.97E-04	2.11E-03	7.21E-05	2.48E-05	2.40E-03
4681	484363.09	3860377.25	0.04483	0.08431	0.0113	0.00859	1.67E-04	2.52E-03	7.21E-05	2.71E-05	2.78E-03	1.52E-04	2.55E-09	9.62E-07	7.40E-07	1.54E-04	1.93E-04	2.52E-03	7.21E-05	2.71E-05	2.81E-03
4682	484863.09	3860377.25	0.04512	0.09802	0.0113	0.00901	1.68E-04	2.92E-03	7.18E-05	2.84E-05	3.19E-03	1.53E-04	2.96E-09	9.57E-07	7.76E-07	1.55E-04	1.95E-04	2.92E-03	7.18E-05	2.84E-05	3.22E-03
4683	485363.09	3860377.25	0.04351	0.11642	0.0104	0.0096	1.62E-04	3.47E-03	6.61E-05	3.03E-05	3.73E-03	1.48E-04	3.52E-09	8.81E-07	8.27E-07	1.49E-04	1.88E-04	3.47E-03	6.61E-05	3.03E-05	3.76E-03
4684	485863.09	3860377.25	0.04292	0.14196	0.0092	0.01088	1.60E-04	4.24E-03	5.87E-05	3.44E-05	4.49E-03	1.46E-04	4.29E-09	7.83E-07	9.37E-07	1.47E-04	1.85E-04	4.24E-03	5.87E-05	3.44E-05	4.51E-03
4685	486363.09	3860377.25	0.04205	0.17393	0.0076	0.01292	1.57E-04	5.19E-03	4.82E-05	4.08E-05	5.43E-03	1.43E-04	5.25E-09	6.43E-07	1.11E-06	1.45E-04	1.81E-04	5.19E-03	4.82E-05	4.08E-05	5.46E-03
4686	486863.09	3860377.25	0.04146	0.22098	0.0071	0.01691	1.55E-04	6.59E-03	4.50E-05	5.34E-05	6.85E-03	1.41E-04	6.67E-09	6.00E-07	1.46E-06	1.43E-04	1.79E-04	6.59E-03	4.50E-05	5.34E-05	6.87E-03
4687	487363.09	3860377.25	0.04181	0.34315	0.0067	0.0241	1.56E-04	1.02E-02	4.29E-05	7.61E-05	1.05E-02	1.42E-04	1.04E-08	5.72E-07	2.08E-06	1.45E-04	1.80E-04	1.02E-02	4.29E-05	7.61E-05	1.05E-02
4688	487863.09	3860377.25	0.04313	1.74551	0.0086	0.04694	1.61E-04	5.21E-02	5.47E-05	1.48E-04	5.24E-02	1.46E-04	5.27E-08	7.30E-07	4.04E-06	1.51E-04	1.86E-04	5.21E-02	5.47E-05	1.48E-04	5.25E-02
4689	488363.09	3860377.25	0.04391	2.48533	0.0079	0.10853	1.64E-04	7.41E-02	5.03E-05	3.43E-04	7.47E-02	1.49E-04	7.51E-08	6.70E-07	9.35E-06	1.59E-04	1.89E-04	7.41E-02	5.03E-05	3.43E-04	7.47E-02
4690	488863.09	3860377.25	0.0459	2.71082	0.0064	0.1417	1.71E-04	8.09E-02	4.10E-05	4.47E-04	8.15E-02	1.56E-04	8.19E-08	5.47E-07	1.22E-05	1.69E-04	1.98E-04	8.09E-02	4.10E-05	4.47E-04	8.16E-02
4691	489363.09	3860377.25	0.04688	1.21339	0.0084	0.07229	1.75E-04	3.62E-02	5.33E-05	2.28E-04	3.67E-02	1.59E-04	3.66E-08	7.11E-07	6.22E-06	1.66E-04	2.02E-04	3.62E-02	5.33E-05	2.28E-04	3.67E-02
4692	489863.09	3860377.25	0.04817	0.62932	0.0111	0.04861	1.80E-04	1.88E-02	7.07E-05	1.53E-04	1.92E-02	1.64E-04	1.90E-08	9.43E-07	4.19E-06	1.69E-04	2.08E-04	1.88E-02	7.07E-05	1.53E-04	1.92E-02
4693	490363.09	3860377.25	0.04993	0.44385	0.0115	0.03807	1.86E-04	1.32E-02	7.34E-05	1.20E-04	1.36E-02	1.70E-04	1.34E-08	9.79E-07	3.28E-06	1.74E-04	2.15E-04	1.32E-02	7.34E-05	1.20E-04	1.37E-02

4694	490863.09	3860377.25	0.04768	0.34746	0.0124	0.03125	1.78E-04	1.04E-02	7.93E-05	9.87E-05	1.07E-02	1.62E-04	1.05E-08	1.06E-06	2.69E-06	1.66E-04	2.06E-04	1.04E-02	7.93E-05	9.87E-05	1.07E-02
4695	491363.09	3860377.25	0.04454	0.28495	0.0123	0.0267	1.66E-04	8.50E-03	7.85E-05	8.43E-05	8.83E-03	1.51E-04	8.61E-09	1.05E-06	2.30E-06	1.55E-04	1.92E-04	8.50E-03	7.85E-05	8.43E-05	8.86E-03
4696	491863.09	3860377.25	0.04422	0.24281	0.0132	0.02399	1.65E-04	7.24E-03	8.39E-05	7.57E-05	7.57E-03	1.50E-04	7.33E-09	1.12E-06	2.07E-06	1.53E-04	1.91E-04	7.24E-03	8.39E-05	7.57E-05	7.59E-03
4697	492363.09	3860377.25	0.04601	0.21159	0.0142	0.0223	1.72E-04	6.31E-03	9.06E-05	7.04E-05	6.65E-03	1.56E-04	6.39E-09	1.21E-06	1.92E-06	1.59E-04	1.99E-04	6.31E-03	9.06E-05	7.04E-05	6.67E-03
4698	492863.09	3860377.25	0.04808	0.18657	0.0145	0.02063	1.79E-04	5.57E-03	9.27E-05	6.51E-05	5.90E-03	1.63E-04	5.63E-09	1.24E-06	1.78E-06	1.66E-04	2.07E-04	5.57E-03	9.27E-05	6.51E-05	5.93E-03
4699	493363.09	3860377.25	0.05095	0.16412	0.0159	0.01898	1.90E-04	4.90E-03	1.01E-04	5.99E-05	5.25E-03	1.73E-04	4.96E-09	1.35E-06	1.63E-06	1.76E-04	2.20E-04	4.90E-03	1.01E-04	5.99E-05	5.28E-03
4700	493863.09	3860377.25	0.0512	0.14894	0.017	0.018	1.91E-04	4.44E-03	1.08E-04	5.68E-05	4.80E-03	1.74E-04	4.50E-09	1.44E-06	1.55E-06	1.77E-04	2.21E-04	4.44E-03	1.08E-04	5.68E-05	4.83E-03
4701	494363.09	3860377.25	0.05072	0.13326	0.0172	0.01697	1.89E-04	3.98E-03	1.10E-04	5.36E-05	4.33E-03	1.72E-04	4.02E-09	1.46E-06	1.46E-06	1.75E-04	2.19E-04	3.98E-03	1.10E-04	5.36E-05	4.36E-03
4702	494863.09	3860377.25	0.04895	0.12292	0.0177	0.01621	1.83E-04	3.67E-03	1.13E-04	5.12E-05	4.01E-03	1.66E-04	3.71E-09	1.50E-06	1.40E-06	1.69E-04	2.11E-04	3.67E-03	1.13E-04	5.12E-05	4.04E-03
4703	495363.09	3860377.25	0.04761	0.1111	0.0176	0.01544	1.78E-04	3.31E-03	1.12E-04	4.87E-05	3.65E-03	1.62E-04	3.36E-09	1.50E-06	1.33E-06	1.64E-04	2.05E-04	3.31E-03	1.12E-04	4.87E-05	3.68E-03
4704	495863.09	3860377.25	0.04605	0.09554	0.0183	0.01502	1.72E-04	2.85E-03	1.16E-04	4.74E-05	3.19E-03	1.56E-04	2.89E-09	1.55E-06	1.29E-06	1.59E-04	1.99E-04	2.85E-03	1.16E-04	4.74E-05	3.21E-03
4705	496363.09	3860377.25	0.04403	0.08098	0.0205	0.01478	1.64E-04	2.42E-03	1.31E-04	4.67E-05	2.76E-03	1.49E-04	2.45E-09	1.74E-06	1.27E-06	1.53E-04	1.90E-04	2.42E-03	1.31E-04	4.67E-05	2.78E-03
4706	496863.09	3860377.25	0.04203	0.07011	0.0221	0.01413	1.57E-04	2.09E-03	1.41E-04	4.46E-05	2.43E-03	1.43E-04	2.12E-09	1.88E-06	1.22E-06	1.46E-04	1.81E-04	2.09E-03	1.41E-04	4.46E-05	2.46E-03
4707	497363.09	3860377.25	0.03902	0.05938	0.0222	0.0132	1.46E-04	1.77E-03	1.42E-04	4.17E-05	2.10E-03	1.32E-04	1.79E-09	1.89E-06	1.14E-06	1.36E-04	1.68E-04	1.77E-03	1.42E-04	4.17E-05	2.12E-03
4708	497863.09	3860377.25	0.04072	0.06654	0.0208	0.01331	1.52E-04	1.99E-03	1.33E-04	4.20E-05	2.31E-03	1.38E-04	2.01E-09	1.77E-06	1.15E-06	1.41E-04	1.76E-04	1.99E-03	1.33E-04	4.20E-05	2.34E-03
4709	498363.09	3860377.25	0.04056	0.07062	0.0189	0.01254	1.51E-04	2.11E-03	1.21E-04	3.96E-05	2.42E-03	1.38E-04	2.13E-09	1.61E-06	1.08E-06	1.40E-04	1.75E-04	2.11E-03	1.21E-04	3.96E-05	2.44E-03
4710	471363.09	3860877.25	0.00995	0.00873	0.0032	0.00323	3.71E-05	2.60E-04	2.04E-05	1.02E-05	3.28E-04	3.38E-05	2.64E-10	2.72E-07	2.78E-07	3.43E-05	4.29E-05	2.60E-04	2.04E-05	1.02E-05	3.34E-04
4711	471863.09	3860877.25	0.01052	0.00931	0.0034	0.00332	3.93E-05	2.78E-04	2.16E-05	1.05E-05	3.49E-04	3.57E-05	2.81E-10	2.87E-07	2.86E-07	3.63E-05	4.54E-05	2.78E-04	2.16E-05	1.05E-05	3.55E-04
4712	472363.09	3860877.25	0.01117	0.00986	0.0036	0.00341	4.17E-05	2.94E-04	2.29E-05	1.08E-05	3.70E-04	3.79E-05	2.98E-10	3.05E-07	2.94E-07	3.85E-05	4.82E-05	2.94E-04	2.29E-05	1.08E-05	3.76E-04
4713	472863.09	3860877.25	0.01199	0.01056	0.0038	0.00346	4.47E-05	3.15E-04	2.40E-05	1.09E-05	3.95E-04	4.07E-05	3.19E-10	3.20E-07	2.98E-07	4.13E-05	5.17E-05	3.15E-04	2.40E-05	1.09E-05	4.02E-04
4714	473363.09	3860877.25	0.0129	0.01104	0.0041	0.00355	4.81E-05	3.29E-04	2.58E-05	1.12E-05	4.15E-04	4.38E-05	3.33E-10	3.44E-07	3.06E-07	4.44E-05	5.57E-05	3.29E-04	2.58E-05	1.12E-05	4.22E-04
4715	473863.09	3860877.25	0.01384	0.01146	0.0044	0.00366	5.16E-05	3.42E-04	2.82E-05	1.16E-05	4.33E-04	4.70E-05	3.46E-10	3.76E-07	3.15E-07	4.77E-05	5.97E-05	3.42E-04	2.82E-05	1.16E-05	4.41E-04
4716	474363.09	3860877.25	0.01469	0.01172	0.0049	0.00381	5.48E-05	3.50E-04	3.12E-05	1.20E-05	4.48E-04	4.99E-05	3.54E-10	4.16E-07	3.28E-07	5.06E-05	6.34E-05	3.50E-04	3.12E-05	1.20E-05	4.56E-04
4717	474863.09	3860877.25	0.0154	0.01217	0.0057	0.00413	5.75E-05	3.63E-04	3.61E-05	1.30E-05	4.70E-04	5.23E-05	3.68E-10	4.81E-07	3.56E-07	5.31E-05	6.65E-05	3.63E-04	3.61E-05	1.30E-05	4.79E-04
4718	475363.09	3860877.25	0.01575	0.01158	0.0068	0.00444	5.88E-05	3.45E-04	4.34E-05	1.40E-05	4.62E-04	5.35E-05	3.50E-10	5.78E-07	3.82E-07	5.44E-05	6.80E-05	3.45E-04	4.34E-05	1.40E-05	4.71E-04
4719	475863.09	3860877.25	0.01554	0.01021	0.0081	0.0047	5.80E-05	3.05E-04	5.17E-05	1.48E-05	4.29E-04	5.28E-05	3.08E-10	6.89E-07	4.05E-07	5.39E-05	6.71E-05	3.05E-04	5.17E-05	1.48E-05	4.38E-04
4720	476363.09	3860877.25	0.01457	0.0085	0.0086	0.00482	5.44E-05	2.54E-04	5.47E-05	1.52E-05	3.78E-04	4.95E-05	2.57E-10	7.29E-07	4.15E-07	5.06E-05	6.29E-05	2.54E-04	5.47E-05	1.52E-05	3.86E-04
4721	476863.09	3860877.25	0.0143	0.00792	0.0084	0.00494	5.34E-05	2.36E-04	5.34E-05	1.56E-05	3.59E-04	4.85E-05	2.39E-10	7.12E-07	4.25E-07	4.97E-05	6.17E-05	2.36E-04	5.34E-05	1.56E-05	3.67E-04
4722	477363.09	3860877.25	0.01491	0.00813	0.0083	0.00508	5.56E-05	2.43E-04	5.31E-05	1.60E-05	3.67E-04	5.06E-05	2.46E-10	7.08E-07	4.37E-07	5.18E-05	6.43E-05	2.43E-04	5.31E-05	1.60E-05	3.76E-04
4723	477863.09	3860877.25	0.01329	0.00689	0.0076	0.0048	4.96E-05	2.06E-04	4.85E-05	1.52E-05	3.19E-04	4.51E-05	2.08E-10	6.46E-07	4.13E-07	4.62E-05	5.73E-05	2.06E-04	4.85E-05	1.52E-05	3.27E-04
4724	478363.09	3860877.25	0.00786	0.00454	0.0061	0.00407	2.93E-05	1.35E-04	3.92E-05	1.29E-05	2.17E-04	2.67E-05	1.37E-10	5.22E-07	3.50E-07	2.76E-05	3.39E-05	1.35E-04	3.92E-05	1.29E-05	2.21E-04
4725	478863.09	3860877.25	0.01708	0.00927	0.0086	0.00585	6.37E-05	2.77E-04	5.51E-05	1.85E-05	4.14E-04	5.80E-05	2.80E-10	7.35E-07	5.04E-07	5.92E-05	7.37E-05	2.77E-04	5.51E-05	1.85E-05	4.24E-04
4726	479363.09	3860877.25	0.02144	0.01541	0.0091	0.00635	8.00E-05	4.60E-04	5.79E-05	2.00E-05	6.18E-04	7.28E-05	4.65E-10	7.72E-07	5.47E-07	7.41E-05	9.25E-05	4.60E-04	5.79E-05	2.00E-05	6.30E-04
4727	479863.09	3860877.25	0.02342	0.02247	0.0083	0.00534	8.74E-05	6.70E-04	5.26E-05	1.69E-05	8.27E-04	7.95E-05	6.79E-10	7.02E-07	4.60E-07	8.07E-05	1.01E-04	6.70E-04	5.26E-05	1.69E-05	8.41E-04
4728	480363.09	3860877.25	0.02495	0.0286	0.008	0.00513	9.31E-05	8.53E-04	5.11E-05	1.62E-05	1.01E-03	8.47E-05	8.64E-10	6.81E-07	4.42E-07	8.58E-05	1.08E-04	8.53E-04	5.11E-05	1.62E-05	1.03E-03
4729	480863.09	3860877.25	0.02663	0.03282	0.008	0.00526	9.94E-05	9.79E-04	5.08E-05	1.66E-05	1.15E-03	9.04E-05	9.91E-10	6.78E-07	4.53E-07	9.15E-05	1.15E-04	9.79E-04	5.08E-05	1.66E-05	1.16E-03
4730	481363.09	3860877.25	0.02889	0.03726	0.0081	0.00548	1.08E-04	1.11E-03	5.15E-05	1.73E-05	1.29E-03	9.81E-05	1.13E-09	6.87E-07	4.72E-07	9.92E-05	1.25E-04	1.11E-03	5.15E-05	1.73E-05	1.31E-03
4731	481863.09	3860877.25	0.03139	0.04091	0.0085	0.00564	1.17E-04	1.22E-03	5.40E-05	1.78E-05	1.41E-03	1.07E-04	1.24E-09	7.20E-07	4.86E-07	1.08E-04	1.35E-04	1.22E-03	5.40E-05	1.78E-05	1.43E-03
4732	482363.09	3860877.25	0.03336	0.04598	0.0091	0.00591	1.24E-04	1.37E-03	5.81E-05	1.87E-05	1.57E-03	1.13E-04	1.39E-09	7.75E-07	5.09E-07	1.15E-04	1.44E-04	1.37E-03	5.81E-05	1.87E-05	1.59E-03
4733	482863.09	3860877.25	0.03515	0.05055	0.0096	0.00619	1.31E-04	1.51E-03	6.14E-05	1.95E-05	1.72E-03	1.19E-04	1.53E-09	8.19E-07	5.33E-07	1.21E-04	1.52E-04	1.51E-03	6.14E-05	1.95E-05	1.74E-03
4734	483363.09	3860877.25	0.03749	0.0555	0.01	0.00671	1.40E-04	1.66E-03	6.36E-05	2.12E-05	1.88E-03	1.27E-04	1.68E-09	8.48E-07	5.78E-07	1.29E-04	1.62E-04	1.66E-03	6.36E-05	2.12E-05	1.90E-03
4735	483863.09	3860877.25	0.03882	0.0616	0.0103	0.00723	1.45E-04	1.84E-03	6.57E-05	2.28E-05	2.07E-03	1.32E-04	1.86E-09	8.76E-07	6.23E-07	1.33E-04	1.68E-04	1.84E-03	6.57E-05	2.28E-05	2.09E-03
4736	484363.09	3860877.25	0.0388	0.0713	0.01	0.00768	1.45E-04	2.13E-03	6.40E-05	2.42E-05	2.36E-03	1.32E-04	2.15E-09	8.53E-07	6.61E-07	1.33E-04	1.67E-04	2.13E-03	6.40E-05	2.42E-05	2.38E-03
4737	484863.09	3860877.25	0.03739	0.08216	0.0089	0.00795	1.40E-04	2.45E-03	5.70E-05	2.51E-05	2.67E-03	1.27E-04	2.48E-09	7.60E-07	6.85E-07	1.28E-04	1.61E-04	2.45E-03	5.70E-05	2.51E-05	2.69E-03
4738	485363.09	3860877.25	0.03619	0.09489	0.0081	0.00835	1.35E-04	2.83E-03	5.19E-05	2.64E-05	3.04E-03	1.23E-04	2.87E-09	6.92E-07	7.19E-07	1.24E-04	1.56E-04	2.83E-03	5.19E-05	2.64E-05	3.07E-03
4739	485863.09	3860877.25	0.03606	0.11059	0.0071	0.00892	1.35E-04	3.30E-03	4.50E-05	2.82E-05	3.51E-03	1.22E-04	3.34E-09	6.00E-07	7.68E-07	1.24E-04	1.56E-04	3.30E-03	4.50E-05	2.82E-05	3.53E-03
4740	486363.09	3860877.25	0.03478	0.12831	0.0068	0.01007	1.30E-04	3.83E-03	4.36E-05	3.18E-05	4.03E-03	1.18E-04	3.87E-09	5.81E-07	8.67E-07	1.20E-04	1.50E-04	3.83E-03	4.36E-05	3.18E-05	4.05E-03
4741	486863.09	3860877.25	0.03443	0.15538	0.0057	0.01185	1.28E-04	4.64E-03	3.62E-05	3.74E-05	4.84E-03	1.17E-04	4.69E-09	4.82E-07	1.02E-06	1.18E-04	1.49E-04	4.64E-03	3.62E-05	3.74E-05	4.86E-03
4742	487363.09	3860877.25	0.0347	0.20109	0.0061	0.01424	1.29E-04	6.00E-03	3.92E-05	4.50E-05	6.21E-03	1.18E-04	6.07E-09	5.22E-07	1.23E-06	1.20E-04	1.50E-04	6.00E-03	3.92E-05	4.50E-05	6.23E-03
4743	487863.09	3860877.25	0.03501	0.25577	0.0078	0.01743	1.31E-04	7.63E-03	4.99E-05	5.50E-05	7.87E-03	1.19E-04	7.72E-09	6.65E-07	1.50E-06	1.21E-04	1.51E-04	7.63E-03	4.99E-05	5.50E-05	7.89E-03
4744	488363.09	3860877.25	0.03613	0.32126	0.0073	0.02142	1.35E-04	9.58E-03	4.67E-05	6.76E-05	9.83E-03	1.23E-04	9.70E-09	6.23E-07	1.84E-06	1.25E-04	1.56E-04	9.58E-03	4.67E-05	6.76E-05	9.85E-03
4745	488863.09	3860877.25	0.03686	0.34213	0.0055	0.02	1.38E-04	1.02E-02	3.53E-05	6.31E-05	1.04E-02	1.25E-04	1.03E-08	4.70E-07	1.72E-06	1.27E-04	1.59E-04	1.02E-02	3.53E-05	6.31E-05	1.05E-02
4746	489363.09	3860877.25	0.03843	0.33946	0.006	0.02132	1.43E-04	1.01E-02	3.85E-05	6.73E-05	1.04E-02	1.30E-04	1.03E-08	5.13E-07	1.84E-06	1.33E-04	1.66E-04	1.01E-02	3.85E-05	6.73E-05	1.04E-02
4747	489863.09	3860877.25	0.03817	0.30178	0.0083	0.01919	1.42E-04	9.00E-03	5.30E-05	6.06E-05	9.26E-03	1.30E-04	9.11E-09	7.07E-07	1.65E-06	1.32E-04	1.65E-04	9.00E-03	5.30E-05	6.06E-05	9.28E-03
4748	490363.09	3860877.25	0.03891	0.26495	0.0095	0.01782	1.45E-04	7.90E-03	6.08E-05	5.63E-05	8.17E-03	1.32E-04	8.00E-09	8.10E-07	1.53E-06	1.34E-04	1.68E-04	7.90E-03	6.08E-05	5.63E-05	8.19E-03
4749	490863.09	3860877.25	0.04073	0.23127	0.0097	0.01671	1.52E-04	6.90E-03	6.20E-05	5.28E-05	7.17E-03	1.38E-04	6.98E-09	8.27E-07	1.44E-06	1.41E-04	1.76E-04	6.90E-03	6.20E-05	5.28E-05	7.19E-03
4750	491363.09	3860877.25	0.03944	0.20484	0.0104	0.01591	1.47E-04	6.11E-03	6.61E-05	5.02E-05	6.37E-03	1.34E-04	6.19E-09	8.81E-07	1.37E-06	1.36E-04	1.70E-04	6.11E-03	6.61E-05	5.02E-05	6.40E-03
4751	491863.09	3860877.25	0.03705	0.18385	0.0101	0.01526	1.38E-04	5.48E-03	6.42E-05	4.82E-05	5.74E-03	1.26E-04	5.55E-09	8.56E-07	1.31E-06	1.28E-04	1.60E-04	5.48E-03	6.42E-05	4.82E-05	5.76E-03
4752	492363.09	3860877.25	0.03561	0.16248	0.0102	0.01435	1.33E-04	4.85E-03	6.47E-05	4.53E-05	5.09E-03	1.21E-04	4.91E-09	8.63E-07	1.24E-06	1.23E-04	1.54E-04	4.85E-03	6.47E-05	4.53E-05	5.11E-03
4753	492863.09	3860877.25	0.03606	0.1482	0.0109	0.01387	1.35E-04	4.42E-03	6.95E-05	4.38E-05	4.67E-03	1.22E-04	4.48E-09	9.27E-07	1.19E-06	1.25E-04	1.56E-04	4.42E-03	6.95E-05	4.38E-05	4.69E-03
4754	493363.09	3860877.25	0.03779	0.13701	0.0113	0.01377	1.41E-04	4.09E-03	7.22E-05	4.35E-05	4.34E-03	1.28E-04	4.14E-09	9.63E-07	1.19E-06	1.30E-04	1.63E-04	4.09E-03	7.22E-05	4.35E-05	4.37E-03

4755	493863.09	3860877.25	0.0395	0.12564	0.0114	0.01337	1.47E-04	3.75E-03	7.25E-05	4.22E-05	4.01E-03	1.34E-04	3.79E-09	9.67E-07	1.15E-06	1.36E-04	1.70E-04	3.75E-03	7.25E-05	4.22E-05	4.03E-03
4756	494363.09	3860877.25	0.041	0.11594	0.0119	0.01309	1.53E-04	3.46E-03	7.58E-05	4.13E-05	3.73E-03	1.39E-04	3.50E-09	1.01E-06	1.13E-06	1.41E-04	1.77E-04	3.46E-03	7.58E-05	4.13E-05	3.75E-03
4757	494863.09	3860877.25	0.04165	0.10756	0.0128	0.01298	1.55E-04	3.21E-03	8.15E-05	4.10E-05	3.49E-03	1.41E-04	3.25E-09	1.09E-06	1.12E-06	1.44E-04	1.80E-04	3.21E-03	8.15E-05	4.10E-05	3.51E-03
4758	495363.09	3860877.25	0.04124	0.09999	0.0136	0.01259	1.54E-04	2.98E-03	8.66E-05	3.98E-05	3.26E-03	1.40E-04	3.02E-09	1.15E-06	1.08E-06	1.42E-04	1.78E-04	2.98E-03	8.66E-05	3.98E-05	3.29E-03
4759	495863.09	3860877.25	0.04009	0.09331	0.0139	0.01228	1.50E-04	2.78E-03	8.87E-05	3.88E-05	3.06E-03	1.36E-04	2.82E-09	1.18E-06	1.06E-06	1.38E-04	1.73E-04	2.78E-03	8.87E-05	3.88E-05	3.08E-03
4760	496363.09	3860877.25	0.0394	0.0865	0.0144	0.01176	1.47E-04	2.58E-03	9.17E-05	3.71E-05	2.86E-03	1.34E-04	2.61E-09	1.22E-06	1.01E-06	1.36E-04	1.70E-04	2.58E-03	9.17E-05	3.71E-05	2.88E-03
4761	496863.09	3860877.25	0.03838	0.0757	0.0144	0.01165	1.43E-04	2.26E-03	9.16E-05	3.68E-05	2.53E-03	1.30E-04	2.29E-09	1.22E-06	1.00E-06	1.33E-04	1.66E-04	2.26E-03	9.16E-05	3.68E-05	2.55E-03
4762	497363.09	3860877.25	0.0374	0.07129	0.0148	0.01136	1.40E-04	2.13E-03	9.43E-05	3.59E-05	2.40E-03	1.27E-04	2.15E-09	1.26E-06	9.78E-07	1.29E-04	1.61E-04	2.13E-03	9.43E-05	3.59E-05	2.42E-03
4763	497863.09	3860877.25	0.03643	0.06569	0.0156	0.0112	1.36E-04	1.96E-03	9.92E-05	3.54E-05	2.23E-03	1.24E-04	1.98E-09	1.32E-06	9.64E-07	1.26E-04	1.57E-04	1.96E-03	9.92E-05	3.54E-05	2.25E-03
4764	498363.09	3860877.25	0.03589	0.06574	0.0152	0.01071	1.34E-04	1.96E-03	9.66E-05	3.38E-05	2.23E-03	1.22E-04	1.99E-09	1.29E-06	9.22E-07	1.24E-04	1.55E-04	1.96E-03	9.66E-05	3.38E-05	2.25E-03
4765	471363.09	3861377.25	0.01002	0.00911	0.0038	0.00313	3.74E-05	2.72E-04	2.39E-05	9.88E-06	3.43E-04	3.40E-05	2.75E-10	3.19E-07	2.70E-07	3.46E-05	4.32E-05	2.72E-04	2.39E-05	9.88E-06	3.49E-04
4766	471863.09	3861377.25	0.01067	0.00955	0.004	0.00318	3.98E-05	2.85E-04	2.55E-05	1.00E-05	3.60E-04	3.62E-05	2.88E-10	3.39E-07	2.74E-07	3.68E-05	4.60E-05	2.85E-04	2.55E-05	1.00E-05	3.66E-04
4767	472363.09	3861377.25	0.01142	0.01	0.0042	0.00325	4.26E-05	2.98E-04	2.70E-05	1.03E-05	3.78E-04	3.88E-05	3.02E-10	3.61E-07	2.80E-07	3.94E-05	4.93E-05	2.98E-04	2.70E-05	1.03E-05	3.85E-04
4768	472863.09	3861377.25	0.01217	0.0106	0.0045	0.0033	4.54E-05	3.16E-04	2.85E-05	1.04E-05	4.01E-04	4.13E-05	3.20E-10	3.80E-07	2.84E-07	4.20E-05	5.25E-05	3.16E-04	2.85E-05	1.04E-05	4.08E-04
4769	473363.09	3861377.25	0.01287	0.01111	0.0048	0.00339	4.80E-05	3.31E-04	3.04E-05	1.07E-05	4.21E-04	4.37E-05	3.36E-10	4.05E-07	2.92E-07	4.44E-05	5.55E-05	3.31E-04	3.04E-05	1.07E-05	4.28E-04
4770	473863.09	3861377.25	0.01347	0.01148	0.0051	0.00353	5.03E-05	3.42E-04	3.27E-05	1.11E-05	4.37E-04	4.57E-05	3.47E-10	4.35E-07	3.04E-07	4.65E-05	5.81E-05	3.42E-04	3.27E-05	1.11E-05	4.44E-04
4771	474363.09	3861377.25	0.01396	0.01227	0.0054	0.00362	5.21E-05	3.66E-04	3.41E-05	1.14E-05	4.64E-04	4.74E-05	3.71E-10	4.55E-07	3.12E-07	4.82E-05	6.02E-05	3.66E-04	3.41E-05	1.14E-05	4.72E-04
4772	474863.09	3861377.25	0.01434	0.01252	0.0057	0.00379	5.35E-05	3.74E-04	3.63E-05	1.20E-05	4.75E-04	4.87E-05	3.78E-10	4.84E-07	3.26E-07	4.95E-05	6.19E-05	3.74E-04	3.63E-05	1.20E-05	4.84E-04
4773	475363.09	3861377.25	0.01482	0.01336	0.0059	0.0039	5.53E-05	3.99E-04	3.74E-05	1.23E-05	5.04E-04	5.03E-05	4.03E-10	4.98E-07	3.36E-07	5.11E-05	6.40E-05	3.99E-04	3.74E-05	1.23E-05	5.12E-04
4774	475863.09	3861377.25	0.01528	0.01327	0.0063	0.00429	5.70E-05	3.96E-04	3.99E-05	1.35E-05	5.06E-04	5.19E-05	4.01E-10	5.32E-07	3.69E-07	5.28E-05	6.59E-05	3.96E-04	3.99E-05	1.35E-05	5.15E-04
4775	476363.09	3861377.25	0.01574	0.01258	0.0066	0.00467	5.87E-05	3.75E-04	4.20E-05	1.47E-05	4.91E-04	5.34E-05	3.80E-10	5.60E-07	4.02E-07	5.44E-05	6.79E-05	3.75E-04	4.20E-05	1.47E-05	5.00E-04
4776	476863.09	3861377.25	0.0162	0.01213	0.0069	0.00497	6.04E-05	3.62E-04	4.38E-05	1.57E-05	4.82E-04	5.50E-05	3.66E-10	5.83E-07	4.28E-07	5.60E-05	6.99E-05	3.62E-04	4.38E-05	1.57E-05	4.91E-04
4777	477363.09	3861377.25	0.01668	0.01195	0.0073	0.00524	6.22E-05	3.57E-04	4.62E-05	1.65E-05	4.82E-04	5.66E-05	3.61E-10	6.17E-07	4.51E-07	5.77E-05	7.20E-05	3.57E-04	4.62E-05	1.65E-05	4.91E-04
4778	477863.09	3861377.25	0.01531	0.00895	0.0082	0.00527	5.71E-05	2.67E-04	5.20E-05	1.66E-05	3.93E-04	5.20E-05	2.70E-10	6.94E-07	4.54E-07	5.31E-05	6.61E-05	2.67E-04	5.20E-05	1.66E-05	4.02E-04
4779	478363.09	3861377.25	0.00967	0.0052	0.007	0.00409	3.61E-05	1.55E-04	4.45E-05	1.29E-05	2.49E-04	3.28E-05	1.57E-10	5.93E-07	3.52E-07	3.38E-05	4.17E-05	1.55E-04	4.45E-05	1.29E-05	2.54E-04
4780	478863.09	3861377.25	0.01181	0.00637	0.0084	0.00463	4.41E-05	1.90E-04	5.35E-05	1.46E-05	3.02E-04	4.01E-05	1.92E-10	7.14E-07	3.99E-07	4.12E-05	5.10E-05	1.90E-04	5.35E-05	1.46E-05	3.09E-04
4781	479363.09	3861377.25	0.01865	0.01417	0.0105	0.00602	6.96E-05	4.23E-04	6.72E-05	1.90E-05	5.79E-04	6.33E-05	4.28E-10	8.96E-07	5.18E-07	6.47E-05	8.05E-05	4.23E-04	6.72E-05	1.90E-05	5.89E-04
4782	479863.09	3861377.25	0.0211	0.02173	0.0076	0.00499	7.87E-05	6.48E-04	4.87E-05	1.58E-05	7.91E-04	7.16E-05	6.56E-10	6.50E-07	4.30E-07	7.27E-05	9.10E-05	6.48E-04	4.87E-05	1.58E-05	8.04E-04
4783	480363.09	3861377.25	0.02271	0.02828	0.0071	0.00482	8.47E-05	8.44E-04	4.55E-05	1.52E-05	9.89E-04	7.71E-05	8.54E-10	6.06E-07	4.15E-07	7.81E-05	9.80E-05	8.44E-04	4.55E-05	1.52E-05	1.00E-03
4784	480863.09	3861377.25	0.02435	0.0321	0.0075	0.00502	9.09E-05	9.58E-04	4.76E-05	1.59E-05	1.11E-03	8.27E-05	9.69E-10	6.34E-07	4.32E-07	8.37E-05	1.05E-04	9.58E-04	4.76E-05	1.59E-05	1.13E-03
4785	481363.09	3861377.25	0.02619	0.03571	0.008	0.00516	9.77E-05	1.07E-03	5.11E-05	1.63E-05	1.23E-03	8.89E-05	1.08E-09	6.81E-07	4.44E-07	9.00E-05	1.13E-04	1.07E-03	5.11E-05	1.63E-05	1.25E-03
4786	481863.09	3861377.25	0.02804	0.03861	0.0084	0.00537	1.05E-04	1.15E-03	5.38E-05	1.70E-05	1.33E-03	9.52E-05	1.17E-09	7.18E-07	4.62E-07	9.64E-05	1.21E-04	1.15E-03	5.38E-05	1.70E-05	1.34E-03
4787	482363.09	3861377.25	0.02945	0.04186	0.0087	0.00558	1.10E-04	1.25E-03	5.56E-05	1.76E-05	1.43E-03	1.00E-04	1.26E-09	7.41E-07	4.80E-07	1.01E-04	1.27E-04	1.25E-03	5.56E-05	1.76E-05	1.45E-03
4788	482863.09	3861377.25	0.03095	0.04541	0.0089	0.00585	1.15E-04	1.35E-03	5.70E-05	1.85E-05	1.55E-03	1.05E-04	1.37E-09	7.60E-07	5.04E-07	1.06E-04	1.34E-04	1.35E-03	5.70E-05	1.85E-05	1.56E-03
4789	483363.09	3861377.25	0.03247	0.04928	0.0092	0.00625	1.21E-04	1.47E-03	5.86E-05	1.97E-05	1.67E-03	1.10E-04	1.49E-09	7.82E-07	5.38E-07	1.12E-04	1.40E-04	1.47E-03	5.86E-05	1.97E-05	1.69E-03
4790	483863.09	3861377.25	0.03307	0.05424	0.0091	0.00659	1.23E-04	1.62E-03	5.79E-05	2.08E-05	1.82E-03	1.12E-04	1.64E-09	7.72E-07	5.67E-07	1.14E-04	1.43E-04	1.62E-03	5.79E-05	2.08E-05	1.84E-03
4791	484363.09	3861377.25	0.03361	0.05998	0.0084	0.00678	1.25E-04	1.79E-03	5.36E-05	2.14E-05	1.99E-03	1.14E-04	1.81E-09	7.14E-07	5.84E-07	1.15E-04	1.45E-04	1.79E-03	5.36E-05	2.14E-05	2.01E-03
4792	484863.09	3861377.25	0.03223	0.06915	0.0074	0.007	1.20E-04	2.06E-03	4.71E-05	2.21E-05	2.25E-03	1.09E-04	2.09E-09	6.28E-07	6.03E-07	1.11E-04	1.39E-04	2.06E-03	4.71E-05	2.21E-05	2.27E-03
4793	485363.09	3861377.25	0.03071	0.07723	0.0064	0.00707	1.15E-04	2.30E-03	4.07E-05	2.23E-05	2.48E-03	1.04E-04	2.33E-09	5.43E-07	6.09E-07	1.05E-04	1.33E-04	2.30E-03	4.07E-05	2.23E-05	2.50E-03
4794	485863.09	3861377.25	0.03	0.08654	0.0061	0.00755	1.12E-04	2.58E-03	3.92E-05	2.38E-05	2.76E-03	1.02E-04	2.61E-09	5.22E-07	6.50E-07	1.03E-04	1.29E-04	2.58E-03	3.92E-05	2.38E-05	2.77E-03
4795	486363.09	3861377.25	0.02928	0.09615	0.0061	0.00793	1.09E-04	2.87E-03	3.87E-05	2.50E-05	3.04E-03	9.94E-05	2.90E-09	5.15E-07	6.83E-07	1.01E-04	1.26E-04	2.87E-03	3.87E-05	2.50E-05	3.06E-03
4796	486863.09	3861377.25	0.02921	0.10867	0.005	0.00853	1.09E-04	3.24E-03	3.18E-05	2.69E-05	3.41E-03	9.92E-05	3.28E-09	4.24E-07	7.35E-07	1.00E-04	1.26E-04	3.24E-03	3.18E-05	2.69E-05	3.43E-03
4797	487363.09	3861377.25	0.02947	0.12338	0.0058	0.00872	1.10E-04	3.68E-03	3.67E-05	2.75E-05	3.86E-03	1.00E-04	3.73E-09	4.89E-07	7.51E-07	1.01E-04	1.27E-04	3.68E-03	3.67E-05	2.75E-05	3.87E-03
4798	487863.09	3861377.25	0.02979	0.13272	0.0073	0.00927	1.11E-04	3.96E-03	4.65E-05	2.93E-05	4.15E-03	1.01E-04	4.01E-09	6.20E-07	7.98E-07	1.03E-04	1.29E-04	3.96E-03	4.65E-05	2.93E-05	4.16E-03
4799	488363.09	3861377.25	0.0293	0.13553	0.0066	0.01001	1.09E-04	4.04E-03	4.22E-05	3.16E-05	4.23E-03	9.95E-05	4.09E-09	5.63E-07	8.62E-07	1.01E-04	1.26E-04	4.04E-03	4.22E-05	3.16E-05	4.24E-03
4800	488863.09	3861377.25	0.03023	0.14134	0.005	0.01	1.13E-04	4.22E-03	3.20E-05	3.16E-05	4.39E-03	1.03E-04	4.27E-09	4.26E-07	8.61E-07	1.04E-04	1.30E-04	4.22E-03	3.20E-05	3.16E-05	4.41E-03
4801	489363.09	3861377.25	0.03112	0.14492	0.0047	0.00989	1.16E-04	4.32E-03	3.00E-05	3.12E-05	4.50E-03	1.06E-04	4.38E-09	4.00E-07	8.52E-07	1.07E-04	1.34E-04	4.32E-03	3.00E-05	3.12E-05	4.52E-03
4802	489863.09	3861377.25	0.03174	0.14667	0.006	0.01001	1.18E-04	4.38E-03	3.81E-05	3.16E-05	4.56E-03	1.08E-04	4.43E-09	5.09E-07	8.62E-07	1.09E-04	1.37E-04	4.38E-03	3.81E-05	3.16E-05	4.58E-03
4803	490363.09	3861377.25	0.032	0.14305	0.008	0.00982	1.19E-04	4.27E-03	5.08E-05	3.10E-05	4.47E-03	1.09E-04	4.32E-09	6.77E-07	8.46E-07	1.10E-04	1.38E-04	4.27E-03	5.08E-05	3.10E-05	4.49E-03
4804	490863.09	3861377.25	0.03242	0.13949	0.0084	0.00977	1.21E-04	4.16E-03	5.33E-05	3.08E-05	4.37E-03	1.10E-04	4.21E-09	7.10E-07	8.41E-07	1.12E-04	1.40E-04	4.16E-03	5.33E-05	3.08E-05	4.39E-03
4805	491363.09	3861377.25	0.03401	0.13327	0.0084	0.00969	1.27E-04	3.98E-03	5.37E-05	3.06E-05	4.19E-03	1.15E-04	4.02E-09	7.16E-07	8.34E-07	1.17E-04	1.47E-04	3.98E-03	5.37E-05	3.06E-05	4.21E-03
4806	491863.09	3861377.25	0.03337	0.12687	0.0089	0.00971	1.25E-04	3.78E-03	5.70E-05	3.07E-05	4.00E-03	1.13E-04	3.83E-09	7.59E-07	8.36E-07	1.15E-04	1.44E-04	3.78E-03	5.70E-05	3.07E-05	4.02E-03
4807	492363.09	3861377.25	0.03129	0.12101	0.0086	0.00975	1.17E-04	3.61E-03	5.49E-05	3.08E-05	3.81E-03	1.06E-04	3.65E-09	7.31E-07	8.40E-07	1.08E-04	1.35E-04	3.61E-03	5.49E-05	3.08E-05	3.83E-03
4808	492863.09	3861377.25	0.03017	0.11424	0.0084	0.00969	1.13E-04	3.41E-03	5.36E-05	3.06E-05	3.60E-03	1.02E-04	3.45E-09	7.15E-07	8.34E-07	1.04E-04	1.30E-04	3.41E-03	5.36E-05	3.06E-05	3.62E-03
4809	493363.09	3861377.25	0.03012	0.1074	0.0089	0.00961	1.12E-04	3.20E-03	5.70E-05	3.03E-05	3.40E-03	1.02E-04	3.24E-09	7.60E-07	8.28E-07	1.04E-04	1.30E-04	3.20E-03	5.70E-05	3.03E-05	3.42E-03
4810	493863.09	3861377.25	0.03043	0.10059	0.0094	0.00949	1.14E-04	3.00E-03	5.98E-05	3.00E-05	3.20E-03	1.03E-04	3.04E-09	7.97E-07	8.17E-07	1.05E-04	1.31E-04	3.00E-03	5.98E-05	3.00E-05	3.22E-03
4811	494363.09	3861377.25	0.0314	0.09455	0.0093	0.0094	1.17E-04	2.82E-03	5.93E-05	2.97E-05	3.03E-03	1.07E-04	2.86E-09	7.91E-07	8.09E-07	1.08E-04	1.35E-04	2.82E-03	5.93E-05	2.97E-05	3.05E-03
4812	494863.09	3861377.25	0.03288	0.08919	0.0092	0.00936	1.23E-04	2.66E-03	5.88E-05	2.96E-05	2.87E-03	1.12E-04	2.69E-09	7.84E-07	8.06E-07	1.13E-04	1.42E-04	2.66E-03	5.88E-05	2.96E-05	2.89E-03
4813	495363.09	3861377.25	0.03393	0.08417	0.0095	0.00931	1.27E-04	2.51E-03	6.05E-05	2.94E-05	2.73E-03	1.15E-04	2.54E-09	8.07E-07	8.02E-07	1.17E-04	1.46E-04	2.51E-03	6.05E-05	2.94E-05	2.75E-03
4814	495863.09	3861377.25	0.034	0.07938	0.01	0.00923	1.27E-04	2.37E-03	6.36E-05	2.91E-05	2.59E-03	1.15E-04	2.40E-09	8.48E-07	7.95E-07	1.17E-04	1.47E-04	2.37E-03	6.36E-05	2.91E-05	2.61E-03
4815	496363.09	3861377.25	0.03399	0.07582	0.0106	0.00936	1.27E-04	2.26E-03	6.79E-05	2.96E-05	2.49E-03	1.15E-04	2.29E-09	9.05E-07	8.06E-07	1.17E-04	1.47E-04	2.26E-03	6.79E-05	2.96E-05	2.51E-03

4816	496863.09	3861377.25	0.03395	0.07221	0.0116	0.00957	1.27E-04	2.15E-03	7.37E-05	3.02E-05	2.38E-03	1.15E-04	2.18E-09	9.82E-07	8.24E-07	1.17E-04	1.46E-04	2.15E-03	7.37E-05	3.02E-05	2.40E-03
4817	497363.09	3861377.25	0.03316	0.06837	0.012	0.00937	1.24E-04	2.04E-03	7.64E-05	2.96E-05	2.27E-03	1.13E-04	2.06E-09	1.02E-06	8.07E-07	1.14E-04	1.43E-04	2.04E-03	7.64E-05	2.96E-05	2.29E-03
4818	497863.09	3861377.25	0.03239	0.06491	0.0123	0.00921	1.21E-04	1.94E-03	7.83E-05	2.91E-05	2.16E-03	1.10E-04	1.96E-09	1.04E-06	7.93E-07	1.12E-04	1.40E-04	1.94E-03	7.83E-05	2.91E-05	2.18E-03
4819	498363.09	3861377.25	0.03177	0.06151	0.0122	0.00904	1.19E-04	1.84E-03	7.80E-05	2.85E-05	2.06E-03	1.08E-04	1.86E-09	1.04E-06	7.78E-07	1.10E-04	1.37E-04	1.84E-03	7.80E-05	2.85E-05	2.08E-03
4820	471363.09	3861877.25	0.01018	0.00912	0.0043	0.00294	3.80E-05	2.72E-04	2.74E-05	9.28E-06	3.47E-04	3.46E-05	2.75E-10	3.66E-07	2.53E-07	3.52E-05	4.39E-05	2.72E-04	2.74E-05	9.28E-06	3.53E-04
4821	471863.09	3861877.25	0.01079	0.00953	0.0045	0.00301	4.03E-05	2.84E-04	2.88E-05	9.50E-06	3.63E-04	3.66E-05	2.88E-10	3.84E-07	2.59E-07	3.73E-05	4.66E-05	2.84E-04	2.88E-05	9.50E-06	3.69E-04
4822	472363.09	3861877.25	0.01136	0.01	0.0047	0.00308	4.24E-05	2.98E-04	3.02E-05	9.72E-06	3.81E-04	3.86E-05	3.02E-10	4.03E-07	2.65E-07	3.92E-05	4.90E-05	2.98E-04	3.02E-05	9.72E-06	3.87E-04
4823	472863.09	3861877.25	0.01186	0.01057	0.0049	0.00316	4.43E-05	3.15E-04	3.14E-05	9.98E-06	4.01E-04	4.03E-05	3.19E-10	4.19E-07	2.72E-07	4.10E-05	5.12E-05	3.15E-04	3.14E-05	9.98E-06	4.08E-04
4824	473363.09	3861877.25	0.01226	0.01116	0.0051	0.00326	4.57E-05	3.33E-04	3.26E-05	1.03E-05	4.22E-04	4.16E-05	3.37E-10	4.35E-07	2.81E-07	4.23E-05	5.29E-05	3.33E-04	3.26E-05	1.03E-05	4.29E-04
4825	473863.09	3861877.25	0.01261	0.01166	0.0053	0.00337	4.71E-05	3.48E-04	3.36E-05	1.06E-05	4.39E-04	4.28E-05	3.52E-10	4.47E-07	2.90E-07	4.35E-05	5.44E-05	3.48E-04	3.36E-05	1.06E-05	4.46E-04
4826	474363.09	3861877.25	0.01296	0.01226	0.0054	0.00348	4.84E-05	3.66E-04	3.43E-05	1.10E-05	4.59E-04	4.40E-05	3.70E-10	4.57E-07	3.00E-07	4.48E-05	5.59E-05	3.66E-04	3.43E-05	1.10E-05	4.67E-04
4827	474863.09	3861877.25	0.01337	0.01274	0.0055	0.00361	4.99E-05	3.80E-04	3.49E-05	1.14E-05	4.76E-04	4.54E-05	3.85E-10	4.65E-07	3.11E-07	4.62E-05	5.77E-05	3.80E-04	3.49E-05	1.14E-05	4.84E-04
4828	475363.09	3861877.25	0.01387	0.01333	0.0056	0.00371	5.18E-05	3.98E-04	3.55E-05	1.17E-05	4.97E-04	4.71E-05	4.03E-10	4.74E-07	3.19E-07	4.79E-05	5.99E-05	3.98E-04	3.55E-05	1.17E-05	5.05E-04
4829	475863.09	3861877.25	0.01442	0.01412	0.0057	0.00379	5.38E-05	4.21E-04	3.63E-05	1.20E-05	5.23E-04	4.90E-05	4.26E-10	4.84E-07	3.26E-07	4.98E-05	6.22E-05	4.21E-04	3.63E-05	1.20E-05	5.32E-04
4830	476363.09	3861877.25	0.01496	0.0146	0.0059	0.00394	5.58E-05	4.36E-04	3.75E-05	1.24E-05	5.41E-04	5.08E-05	4.41E-10	5.00E-07	3.39E-07	5.16E-05	6.46E-05	4.36E-04	3.75E-05	1.24E-05	5.50E-04
4831	476863.09	3861877.25	0.01544	0.01449	0.0063	0.00418	5.76E-05	4.32E-04	3.99E-05	1.32E-05	5.43E-04	5.24E-05	4.38E-10	5.32E-07	3.60E-07	5.33E-05	6.66E-05	4.32E-04	3.99E-05	1.32E-05	5.52E-04
4832	477363.09	3861877.25	0.01563	0.01399	0.0069	0.00444	5.83E-05	4.17E-04	4.39E-05	1.40E-05	5.34E-04	5.31E-05	4.22E-10	5.86E-07	3.82E-07	5.40E-05	6.74E-05	4.17E-04	4.39E-05	1.40E-05	5.43E-04
4833	477863.09	3861877.25	0.01402	0.00928	0.0098	0.00536	5.23E-05	2.77E-04	6.24E-05	1.69E-05	4.08E-04	4.76E-05	2.80E-10	8.32E-07	4.62E-07	4.89E-05	6.05E-05	2.77E-04	6.24E-05	1.69E-05	4.17E-04
4834	478363.09	3861877.25	0.00756	0.0043	0.0059	0.00371	2.82E-05	1.28E-04	3.74E-05	1.17E-05	2.06E-04	2.57E-05	1.30E-10	4.98E-07	3.19E-07	2.65E-05	3.26E-05	1.28E-04	3.74E-05	1.17E-05	2.10E-04
4835	478863.09	3861877.25	0.01246	0.00725	0.0074	0.00443	4.65E-05	2.16E-04	4.69E-05	1.40E-05	3.24E-04	4.23E-05	2.19E-10	6.26E-07	3.81E-07	4.33E-05	5.38E-05	2.16E-04	4.69E-05	1.40E-05	3.31E-04
4836	479363.09	3861877.25	0.01197	0.00655	0.0069	0.00435	4.47E-05	1.95E-04	4.38E-05	1.37E-05	2.98E-04	4.06E-05	1.98E-10	5.84E-07	3.75E-07	4.16E-05	5.17E-05	1.95E-04	4.38E-05	1.37E-05	3.05E-04
4837	479863.09	3861877.25	0.01956	0.02046	0.0071	0.00504	7.30E-05	6.10E-04	4.51E-05	1.59E-05	7.44E-04	6.64E-05	6.18E-10	6.01E-07	4.34E-07	6.74E-05	8.44E-05	6.10E-04	4.51E-05	1.59E-05	7.56E-04
4838	480363.09	3861877.25	0.0209	0.02721	0.0071	0.00468	7.80E-05	8.12E-04	4.54E-05	1.48E-05	9.50E-04	7.10E-05	8.22E-10	6.05E-07	4.03E-07	7.20E-05	9.02E-05	8.12E-04	4.54E-05	1.48E-05	9.62E-04
4839	480863.09	3861877.25	0.02227	0.03009	0.0075	0.00486	8.31E-05	8.98E-04	4.79E-05	1.53E-05	1.04E-03	7.56E-05	9.09E-10	6.39E-07	4.18E-07	7.67E-05	9.61E-05	8.98E-04	4.79E-05	1.53E-05	1.06E-03
4840	481363.09	3861877.25	0.02377	0.03273	0.0078	0.00497	8.87E-05	9.76E-04	4.94E-05	1.57E-05	1.13E-03	8.07E-05	9.88E-10	6.59E-07	4.28E-07	8.18E-05	1.03E-04	9.76E-04	4.94E-05	1.57E-05	1.14E-03
4841	481863.09	3861877.25	0.02519	0.03493	0.0079	0.00513	9.40E-05	1.04E-03	5.04E-05	1.62E-05	1.20E-03	8.55E-05	1.05E-09	6.72E-07	4.42E-07	8.66E-05	1.09E-04	1.04E-03	5.04E-05	1.62E-05	1.22E-03
4842	482363.09	3861877.25	0.02626	0.03764	0.0081	0.00524	9.80E-05	1.12E-03	5.17E-05	1.65E-05	1.29E-03	8.92E-05	1.14E-09	6.89E-07	4.51E-07	9.03E-05	1.13E-04	1.12E-03	5.17E-05	1.65E-05	1.30E-03
4843	482863.09	3861877.25	0.0274	0.0407	0.0083	0.00546	1.02E-04	1.21E-03	5.27E-05	1.72E-05	1.39E-03	9.30E-05	1.23E-09	7.02E-07	4.70E-07	9.42E-05	1.18E-04	1.21E-03	5.27E-05	1.72E-05	1.40E-03
4844	483363.09	3861877.25	0.0283	0.0441	0.0081	0.00571	1.06E-04	1.32E-03	5.19E-05	1.80E-05	1.49E-03	9.61E-05	1.33E-09	6.91E-07	4.92E-07	9.73E-05	1.22E-04	1.32E-03	5.19E-05	1.80E-05	1.51E-03
4845	483863.09	3861877.25	0.02873	0.04775	0.0074	0.00594	1.07E-04	1.42E-03	4.72E-05	1.88E-05	1.60E-03	9.75E-05	1.44E-09	6.29E-07	5.11E-07	9.87E-05	1.24E-04	1.42E-03	4.72E-05	1.88E-05	1.61E-03
4846	484363.09	3861877.25	0.02844	0.05237	0.0067	0.00617	1.06E-04	1.56E-03	4.29E-05	1.95E-05	1.73E-03	9.66E-05	1.58E-09	5.72E-07	5.31E-07	9.77E-05	1.23E-04	1.56E-03	4.29E-05	1.95E-05	1.75E-03
4847	484863.09	3861877.25	0.02799	0.05763	0.0061	0.00625	1.04E-04	1.72E-03	3.89E-05	1.97E-05	1.88E-03	9.50E-05	1.74E-09	5.19E-07	5.38E-07	9.61E-05	1.21E-04	1.72E-03	3.89E-05	1.97E-05	1.90E-03
4848	485363.09	3861877.25	0.02707	0.06282	0.0056	0.00623	1.01E-04	1.87E-03	3.54E-05	1.97E-05	2.03E-03	9.19E-05	1.90E-09	4.72E-07	5.36E-07	9.29E-05	1.17E-04	1.87E-03	3.54E-05	1.97E-05	2.05E-03
4849	485863.09	3861877.25	0.02556	0.06709	0.0062	0.00609	9.54E-05	2.00E-03	3.94E-05	1.92E-05	2.16E-03	8.68E-05	2.03E-09	5.25E-07	5.24E-07	8.78E-05	1.10E-04	2.00E-03	3.94E-05	1.92E-05	2.17E-03
4850	486363.09	3861877.25	0.02504	0.07279	0.0049	0.0062	9.34E-05	2.17E-03	3.13E-05	1.96E-05	2.32E-03	8.50E-05	2.20E-09	4.17E-07	5.34E-07	8.60E-05	1.08E-04	2.17E-03	3.13E-05	1.96E-05	2.33E-03
4851	486863.09	3861877.25	0.02505	0.07919	0.0047	0.00626	9.35E-05	2.36E-03	2.99E-05	1.98E-05	2.51E-03	8.50E-05	2.39E-09	3.98E-07	5.39E-07	8.60E-05	1.08E-04	2.36E-03	2.99E-05	1.98E-05	2.52E-03
4852	487363.09	3861877.25	0.02546	0.08527	0.0055	0.00618	9.50E-05	2.54E-03	3.51E-05	1.95E-05	2.69E-03	8.64E-05	2.58E-09	4.68E-07	5.32E-07	8.74E-05	1.10E-04	2.54E-03	3.51E-05	1.95E-05	2.71E-03
4853	487863.09	3861877.25	0.02581	0.08744	0.0068	0.00657	9.63E-05	2.61E-03	4.36E-05	2.07E-05	2.77E-03	8.76E-05	2.64E-09	5.81E-07	5.66E-07	8.88E-05	1.11E-04	2.61E-03	4.36E-05	2.07E-05	2.78E-03
4854	488363.09	3861877.25	0.02523	0.08617	0.0062	0.00694	9.41E-05	2.57E-03	3.97E-05	2.19E-05	2.73E-03	8.57E-05	2.60E-09	5.29E-07	5.98E-07	8.68E-05	1.09E-04	2.57E-03	3.97E-05	2.19E-05	2.74E-03
4855	488863.09	3861877.25	0.02537	0.08697	0.0046	0.00704	9.47E-05	2.59E-03	2.94E-05	2.22E-05	2.74E-03	8.61E-05	2.63E-09	3.92E-07	6.06E-07	8.71E-05	1.09E-04	2.59E-03	2.94E-05	2.22E-05	2.76E-03
4856	489363.09	3861877.25	0.02617	0.08924	0.0041	0.00671	9.77E-05	2.66E-03	2.63E-05	2.12E-05	2.81E-03	8.88E-05	2.69E-09	3.50E-07	5.78E-07	8.98E-05	1.13E-04	2.66E-03	2.63E-05	2.12E-05	2.82E-03
4857	489863.09	3861877.25	0.02665	0.09143	0.0045	0.00712	9.94E-05	2.73E-03	2.89E-05	2.25E-05	2.88E-03	9.05E-05	2.76E-09	3.85E-07	6.13E-07	9.15E-05	1.15E-04	2.73E-03	2.89E-05	2.25E-05	2.89E-03
4858	490363.09	3861877.25	0.02692	0.09099	0.0061	0.00696	1.00E-04	2.71E-03	3.87E-05	2.20E-05	2.88E-03	9.14E-05	2.75E-09	5.15E-07	5.99E-07	9.25E-05	1.16E-04	2.71E-03	3.87E-05	2.20E-05	2.89E-03
4859	490863.09	3861877.25	0.02707	0.0893	0.0073	0.00687	1.01E-04	2.66E-03	4.66E-05	2.17E-05	2.83E-03	9.19E-05	2.70E-09	6.22E-07	5.92E-07	9.31E-05	1.17E-04	2.66E-03	4.66E-05	2.17E-05	2.85E-03
4860	491363.09	3861877.25	0.02755	0.08897	0.0074	0.00681	1.03E-04	2.65E-03	4.73E-05	2.15E-05	2.83E-03	9.35E-05	2.69E-09	6.30E-07	5.86E-07	9.48E-05	1.19E-04	2.65E-03	4.73E-05	2.15E-05	2.84E-03
4861	491863.09	3861877.25	0.02908	0.08865	0.0075	0.00686	1.09E-04	2.64E-03	4.76E-05	2.17E-05	2.82E-03	9.87E-05	2.68E-09	6.34E-07	5.91E-07	1.00E-04	1.25E-04	2.64E-03	4.76E-05	2.17E-05	2.84E-03
4862	492363.09	3861877.25	0.02863	0.08613	0.0079	0.0069	1.07E-04	2.57E-03	5.01E-05	2.18E-05	2.75E-03	9.72E-05	2.60E-09	6.68E-07	5.94E-07	9.85E-05	1.24E-04	2.57E-03	5.01E-05	2.18E-05	2.77E-03
4863	492863.09	3861877.25	0.02696	0.08429	0.0076	0.00702	1.01E-04	2.51E-03	4.84E-05	2.22E-05	2.69E-03	9.15E-05	2.55E-09	6.46E-07	6.04E-07	9.28E-05	1.16E-04	2.51E-03	4.84E-05	2.22E-05	2.70E-03
4864	493363.09	3861877.25	0.02581	0.08219	0.0072	0.00711	9.63E-05	2.45E-03	4.60E-05	2.24E-05	2.62E-03	8.76E-05	2.48E-09	6.13E-07	6.12E-07	8.89E-05	1.11E-04	2.45E-03	4.60E-05	2.24E-05	2.63E-03
4865	493863.09	3861877.25	0.02556	0.0793	0.0075	0.00715	9.54E-05	2.37E-03	4.75E-05	2.26E-05	2.53E-03	8.68E-05	2.39E-09	6.34E-07	6.16E-07	8.80E-05	1.10E-04	2.37E-03	4.75E-05	2.26E-05	2.55E-03
4866	494363.09	3861877.25	0.02564	0.07594	0.008	0.00714	9.57E-05	2.27E-03	5.08E-05	2.25E-05	2.43E-03	8.70E-05	2.29E-09	6.77E-07	6.15E-07	8.83E-05	1.11E-04	2.27E-03	5.08E-05	2.25E-05	2.45E-03
4867	494863.09	3861877.25	0.02614	0.07295	0.0082	0.00715	9.75E-05	2.18E-03	5.22E-05	2.26E-05	2.35E-03	8.87E-05	2.20E-09	6.96E-07	6.16E-07	9.01E-05	1.13E-04	2.18E-03	5.22E-05	2.26E-05	2.36E-03
4868	495363.09	3861877.25	0.02704	0.06977	0.008	0.00715	1.01E-04	2.08E-03	5.08E-05	2.26E-05	2.26E-03	9.18E-05	2.11E-09	6.78E-07	6.16E-07	9.31E-05	1.17E-04	2.08E-03	5.08E-05	2.26E-05	2.27E-03
4869	495863.09	3861877.25	0.02812	0.0667	0.0078	0.00715	1.05E-04	1.99E-03	4.97E-05	2.26E-05	2.17E-03	9.55E-05	2.01E-09	6.63E-07	6.16E-07	9.67E-05	1.21E-04	1.99E-03	4.97E-05	2.26E-05	2.18E-03
4870	496363.09	3861877.25	0.02896	0.06404	0.008	0.00719	1.08E-04	1.91E-03	5.07E-05	2.27E-05	2.09E-03	9.83E-05	1.93E-09	6.76E-07	6.19E-07	9.96E-05	1.25E-04	1.91E-03	5.07E-05	2.27E-05	2.11E-03
4871	496863.09	3861877.25	0.03089	0.06197	0.0093	0.00755	1.15E-04	1.85E-03	5.96E-05	2.38E-05	2.05E-03	1.05E-04	1.87E-09	7.94E-07	6.50E-07	1.06E-04	1.33E-04	1.85E-03	5.96E-05	2.38E-05	2.07E-03
4872	497363.09	3861877.25	0.02939	0.0597	0.0091	0.00749	1.10E-04	1.78E-03	5.77E-05	2.36E-05	1.97E-03	9.98E-05	1.80E-09	7.70E-07	6.45E-07	1.01E-04	1.27E-04	1.78E-03	5.77E-05	2.36E-05	1.99E-03
4873	497863.09	3861877.25	0.02837	0.05701	0.0092	0.00739	1.06E-04	1.70E-03	5.89E-05	2.33E-05	1.89E-03	9.63E-05	1.72E-09	7.86E-07	6.36E-07	9.77E-05	1.22E-04	1.70E-03	5.89E-05	2.33E-05	1.91E-03
4874	498363.09	3861877.25	0.0276	0.0547	0.0094	0.00737	1.03E-04	1.63E-03	6.01E-05	2.33E-05	1.82E-03	9.37E-05	1.65E-09	8.01E-07	6.35E-07	9.51E-05	1.19E-04	1.63E-03	6.01E-05	2.33E-05	1.83E-03
4875	471363.09	3862377.25	0.01011	0.00905	0.0046	0.00283	3.77E-05	2.70E-04	2.92E-05	8.94E-06	3.46E-04	3.43E-05	2.73E-10	3.90E-07	2.44E-07	3.50E-05	4.36E-05	2.70E-04	2.92E-05	8.94E-06	3.52E-04
4876	471863.09	3862377.25	0.01053	0.00944	0.0047	0.00292	3.93E-05	2.82E-04	3.00E-05	9.22E-06	3.60E-04	3.57E-05	2.85E-10	4.01E-07	2.51E-07	3.64E-05	4.54E-05	2.82E-04	3.00E-05	9.22E-06	3.66E-04

4877	472363.09	3862377.25	0.01086	0.00997	0.0048	0.003	4.05E-05	2.97E-04	3.06E-05	9.47E-06	3.78E-04	3.69E-05	3.01E-10	4.08E-07	2.58E-07	3.75E-05	4.69E-05	2.97E-04	3.06E-05	9.47E-06	3.84E-04
4878	472863.09	3862377.25	0.01115	0.0105	0.0049	0.00309	4.16E-05	3.13E-04	3.11E-05	9.76E-06	3.96E-04	3.79E-05	3.17E-10	4.15E-07	2.66E-07	3.85E-05	4.81E-05	3.13E-04	3.11E-05	9.76E-06	4.02E-04
4879	473363.09	3862377.25	0.01142	0.01102	0.005	0.00319	4.26E-05	3.29E-04	3.16E-05	1.01E-05	4.13E-04	3.88E-05	3.33E-10	4.21E-07	2.75E-07	3.95E-05	4.93E-05	3.29E-04	3.16E-05	1.01E-05	4.20E-04
4880	473863.09	3862377.25	0.01173	0.01151	0.005	0.0033	4.38E-05	3.43E-04	3.21E-05	1.04E-05	4.30E-04	3.98E-05	3.48E-10	4.28E-07	2.84E-07	4.05E-05	5.06E-05	3.43E-04	3.21E-05	1.04E-05	4.37E-04
4881	474363.09	3862377.25	0.0121	0.01191	0.0051	0.00341	4.52E-05	3.55E-04	3.27E-05	1.08E-05	4.44E-04	4.11E-05	3.60E-10	4.36E-07	2.94E-07	4.18E-05	5.22E-05	3.55E-04	3.27E-05	1.08E-05	4.51E-04
4882	474863.09	3862377.25	0.01253	0.0122	0.0053	0.00354	4.68E-05	3.64E-04	3.37E-05	1.12E-05	4.56E-04	4.25E-05	3.68E-10	4.49E-07	3.05E-07	4.33E-05	5.41E-05	3.64E-04	3.37E-05	1.12E-05	4.63E-04
4883	475363.09	3862377.25	0.01294	0.01304	0.0054	0.0036	4.83E-05	3.89E-04	3.47E-05	1.14E-05	4.83E-04	4.39E-05	3.94E-10	4.63E-07	3.10E-07	4.47E-05	5.58E-05	3.89E-04	3.47E-05	1.14E-05	4.91E-04
4884	475863.09	3862377.25	0.0133	0.01385	0.0056	0.00368	4.96E-05	4.13E-04	3.55E-05	1.16E-05	5.10E-04	4.52E-05	4.18E-10	4.74E-07	3.17E-07	4.59E-05	5.74E-05	4.13E-04	3.55E-05	1.16E-05	5.18E-04
4885	476363.09	3862377.25	0.01359	0.01452	0.0057	0.00378	5.07E-05	4.33E-04	3.62E-05	1.19E-05	5.32E-04	4.61E-05	4.38E-10	4.82E-07	3.25E-07	4.69E-05	5.86E-05	4.33E-04	3.62E-05	1.19E-05	5.40E-04
4886	476863.09	3862377.25	0.01379	0.01509	0.0058	0.00389	5.15E-05	4.50E-04	3.67E-05	1.23E-05	5.51E-04	4.68E-05	4.56E-10	4.89E-07	3.35E-07	4.76E-05	5.95E-05	4.50E-04	3.67E-05	1.23E-05	5.59E-04
4887	477363.09	3862377.25	0.01389	0.01496	0.0059	0.00411	5.18E-05	4.46E-04	3.79E-05	1.30E-05	5.49E-04	4.72E-05	4.52E-10	5.05E-07	3.54E-07	4.80E-05	5.99E-05	4.46E-04	3.79E-05	1.30E-05	5.57E-04
4888	477863.09	3862377.25	0.01348	0.01094	0.0081	0.00526	5.03E-05	3.26E-04	5.18E-05	1.66E-05	4.45E-04	4.58E-05	3.30E-10	6.91E-07	4.53E-07	4.69E-05	5.82E-05	3.26E-04	5.18E-05	1.66E-05	4.53E-04
4889	478363.09	3862377.25	0.01234	0.00783	0.0075	0.00479	4.60E-05	2.34E-04	4.80E-05	1.51E-05	3.43E-04	4.19E-05	2.36E-10	6.40E-07	4.12E-07	4.29E-05	5.32E-05	2.34E-04	4.80E-05	1.51E-05	3.50E-04
4890	478863.09	3862377.25	0.0134	0.00856	0.0067	0.00439	5.00E-05	2.55E-04	4.26E-05	1.39E-05	3.62E-04	4.55E-05	2.58E-10	5.68E-07	3.78E-07	4.64E-05	5.78E-05	2.55E-04	4.26E-05	1.39E-05	3.70E-04
4891	479363.09	3862377.25	0.01564	0.01114	0.0072	0.00462	5.84E-05	3.32E-04	4.57E-05	1.46E-05	4.51E-04	5.31E-05	3.36E-10	6.09E-07	3.98E-07	5.41E-05	6.75E-05	3.32E-04	4.57E-05	1.46E-05	4.60E-04
4892	479863.09	3862377.25	0.01814	0.02099	0.0068	0.00449	6.77E-05	6.26E-04	4.34E-05	1.42E-05	7.52E-04	6.16E-05	6.34E-10	5.79E-07	3.87E-07	6.26E-05	7.83E-05	6.26E-04	4.34E-05	1.42E-05	7.62E-04
4893	480363.09	3862377.25	0.01922	0.02574	0.0069	0.00455	7.17E-05	7.68E-04	4.42E-05	1.44E-05	8.98E-04	6.53E-05	7.77E-10	5.89E-07	3.92E-07	6.62E-05	8.29E-05	7.68E-04	4.42E-05	1.44E-05	9.09E-04
4894	480863.09	3862377.25	0.02039	0.02803	0.0071	0.00466	7.61E-05	8.36E-04	4.54E-05	1.47E-05	9.72E-04	6.92E-05	8.46E-10	6.05E-07	4.01E-07	7.02E-05	8.80E-05	8.36E-04	4.54E-05	1.47E-05	9.84E-04
4895	481363.09	3862377.25	0.02172	0.03009	0.0073	0.00472	8.10E-05	8.98E-04	4.63E-05	1.49E-05	1.04E-03	7.37E-05	9.09E-10	6.17E-07	4.06E-07	7.48E-05	9.37E-05	8.98E-04	4.63E-05	1.49E-05	1.05E-03
4896	481863.09	3862377.25	0.02269	0.03225	0.0074	0.00478	8.47E-05	9.62E-04	4.73E-05	1.51E-05	1.11E-03	7.70E-05	9.74E-10	6.30E-07	4.12E-07	7.81E-05	9.79E-05	9.62E-04	4.73E-05	1.51E-05	1.12E-03
4897	482363.09	3862377.25	0.02337	0.03452	0.0075	0.00484	8.72E-05	1.03E-03	4.78E-05	1.53E-05	1.18E-03	7.93E-05	1.04E-09	6.38E-07	4.17E-07	8.04E-05	1.01E-04	1.03E-03	4.78E-05	1.53E-05	1.19E-03
4898	482863.09	3862377.25	0.02417	0.03668	0.0072	0.00503	9.02E-05	1.09E-03	4.62E-05	1.59E-05	1.25E-03	8.21E-05	1.11E-09	6.16E-07	4.33E-07	8.31E-05	1.04E-04	1.09E-03	4.62E-05	1.59E-05	1.26E-03
4899	483363.09	3862377.25	0.02495	0.03863	0.0066	0.00524	9.31E-05	1.15E-03	4.24E-05	1.65E-05	1.30E-03	8.47E-05	1.17E-09	5.65E-07	4.51E-07	8.57E-05	1.08E-04	1.15E-03	4.24E-05	1.65E-05	1.32E-03
4900	483863.09	3862377.25	0.02484	0.04162	0.0061	0.00547	9.27E-05	1.24E-03	3.87E-05	1.73E-05	1.39E-03	8.43E-05	1.26E-09	5.15E-07	4.71E-07	8.53E-05	1.07E-04	1.24E-03	3.87E-05	1.73E-05	1.40E-03
4901	484363.09	3862377.25	0.02474	0.04451	0.0056	0.00553	9.23E-05	1.33E-03	3.59E-05	1.75E-05	1.47E-03	8.40E-05	1.34E-09	4.79E-07	4.76E-07	8.49E-05	1.07E-04	1.33E-03	3.59E-05	1.75E-05	1.49E-03
4902	484863.09	3862377.25	0.02415	0.04744	0.005	0.00546	9.01E-05	1.42E-03	3.21E-05	1.72E-05	1.55E-03	8.20E-05	1.43E-09	4.29E-07	4.70E-07	8.29E-05	1.04E-04	1.42E-03	3.21E-05	1.72E-05	1.57E-03
4903	485363.09	3862377.25	0.02343	0.0506	0.0057	0.00527	8.74E-05	1.51E-03	3.63E-05	1.66E-05	1.65E-03	7.95E-05	1.53E-09	4.84E-07	4.54E-07	8.05E-05	1.01E-04	1.51E-03	3.63E-05	1.66E-05	1.66E-03
4904	485863.09	3862377.25	0.0223	0.05394	0.0055	0.00507	8.32E-05	1.61E-03	3.53E-05	1.60E-05	1.74E-03	7.57E-05	1.63E-09	4.70E-07	4.37E-07	7.66E-05	9.62E-05	1.61E-03	3.53E-05	1.60E-05	1.76E-03
4905	486363.09	3862377.25	0.02168	0.05802	0.0042	0.00498	8.09E-05	1.73E-03	2.69E-05	1.57E-05	1.85E-03	7.36E-05	1.75E-09	3.58E-07	4.29E-07	7.44E-05	9.36E-05	1.73E-03	2.69E-05	1.57E-05	1.87E-03
4906	486863.09	3862377.25	0.02164	0.06052	0.0044	0.00495	8.07E-05	1.81E-03	2.80E-05	1.56E-05	1.93E-03	7.35E-05	1.83E-09	3.73E-07	4.26E-07	7.43E-05	9.34E-05	1.81E-03	2.80E-05	1.56E-05	1.94E-03
4907	487363.09	3862377.25	0.02209	0.06305	0.0053	0.00497	8.24E-05	1.88E-03	3.37E-05	1.57E-05	2.01E-03	7.50E-05	1.90E-09	4.49E-07	4.28E-07	7.59E-05	9.53E-05	1.88E-03	3.37E-05	1.57E-05	2.03E-03
4908	487863.09	3862377.25	0.02263	0.06362	0.0064	0.00527	8.44E-05	1.90E-03	4.10E-05	1.66E-05	2.04E-03	7.68E-05	1.92E-09	5.46E-07	4.54E-07	7.78E-05	9.77E-05	1.90E-03	4.10E-05	1.66E-05	2.05E-03
4909	488363.09	3862377.25	0.0222	0.06183	0.0059	0.00556	8.28E-05	1.84E-03	3.74E-05	1.76E-05	1.98E-03	7.54E-05	1.87E-09	4.99E-07	4.79E-07	7.63E-05	9.58E-05	1.84E-03	3.74E-05	1.76E-05	2.00E-03
4910	488863.09	3862377.25	0.02187	0.06219	0.0043	0.00547	8.16E-05	1.86E-03	2.75E-05	1.73E-05	1.98E-03	7.42E-05	1.88E-09	3.67E-07	4.71E-07	7.51E-05	9.44E-05	1.86E-03	2.75E-05	1.73E-05	1.99E-03
4911	489363.09	3862377.25	0.02257	0.06382	0.0039	0.00524	8.42E-05	1.90E-03	2.49E-05	1.65E-05	2.03E-03	7.66E-05	1.93E-09	3.32E-07	4.51E-07	7.74E-05	9.74E-05	1.90E-03	2.49E-05	1.65E-05	2.04E-03
4912	489863.09	3862377.25	0.02327	0.06528	0.0038	0.00561	8.68E-05	1.95E-03	2.40E-05	1.77E-05	2.08E-03	7.90E-05	1.97E-09	3.20E-07	4.83E-07	7.98E-05	1.00E-04	1.95E-03	2.40E-05	1.77E-05	2.09E-03
4913	490363.09	3862377.25	0.0234	0.06687	0.0047	0.00578	8.73E-05	1.99E-03	2.97E-05	1.82E-05	2.13E-03	7.94E-05	2.02E-09	3.95E-07	4.98E-07	8.03E-05	1.01E-04	1.99E-03	2.97E-05	1.82E-05	2.14E-03
4914	490863.09	3862377.25	0.02383	0.06654	0.0061	0.00563	8.89E-05	1.99E-03	3.90E-05	1.78E-05	2.13E-03	8.09E-05	2.01E-09	5.20E-07	4.85E-07	8.19E-05	1.03E-04	1.99E-03	3.90E-05	1.78E-05	2.14E-03
4915	491363.09	3862377.25	0.02377	0.06492	0.0068	0.00556	8.87E-05	1.94E-03	4.32E-05	1.76E-05	2.09E-03	8.07E-05	1.96E-09	5.77E-07	4.79E-07	8.18E-05	1.03E-04	1.94E-03	4.32E-05	1.76E-05	2.10E-03
4916	491863.09	3862377.25	0.02398	0.06372	0.0067	0.00543	8.95E-05	1.90E-03	4.27E-05	1.71E-05	2.05E-03	8.14E-05	1.92E-09	5.70E-07	4.68E-07	8.25E-05	1.03E-04	1.90E-03	4.27E-05	1.71E-05	2.06E-03
4917	492363.09	3862377.25	0.02528	0.06406	0.0067	0.00541	9.43E-05	1.91E-03	4.28E-05	1.71E-05	2.07E-03	8.58E-05	1.93E-09	5.71E-07	4.66E-07	8.69E-05	1.09E-04	1.91E-03	4.28E-05	1.71E-05	2.08E-03
4918	492863.09	3862377.25	0.02529	0.06411	0.0071	0.00548	9.44E-05	1.91E-03	4.54E-05	1.73E-05	2.07E-03	8.59E-05	1.94E-09	6.06E-07	4.72E-07	8.69E-05	1.09E-04	1.91E-03	4.54E-05	1.73E-05	2.08E-03
4919	493363.09	3862377.25	0.02393	0.06357	0.007	0.00557	8.93E-05	1.90E-03	4.43E-05	1.76E-05	2.05E-03	8.12E-05	1.92E-09	5.91E-07	4.80E-07	8.23E-05	1.03E-04	1.90E-03	4.43E-05	1.76E-05	2.06E-03
4920	493863.09	3862377.25	0.02271	0.06277	0.0065	0.00565	8.47E-05	1.87E-03	4.12E-05	1.78E-05	2.02E-03	7.71E-05	1.90E-09	5.49E-07	4.87E-07	7.81E-05	9.80E-05	1.87E-03	4.12E-05	1.78E-05	2.03E-03
4921	494363.09	3862377.25	0.02231	0.06161	0.0064	0.00571	8.32E-05	1.84E-03	4.10E-05	1.80E-05	1.98E-03	7.57E-05	1.86E-09	5.47E-07	4.92E-07	7.68E-05	9.63E-05	1.84E-03	4.10E-05	1.80E-05	1.99E-03
4922	494863.09	3862377.25	0.02235	0.06005	0.0069	0.00575	8.34E-05	1.79E-03	4.38E-05	1.82E-05	1.94E-03	7.59E-05	1.81E-09	5.83E-07	4.95E-07	7.70E-05	9.64E-05	1.79E-03	4.38E-05	1.82E-05	1.95E-03
4923	495363.09	3862377.25	0.02234	0.05767	0.0072	0.00572	8.34E-05	1.72E-03	4.61E-05	1.81E-05	1.87E-03	7.58E-05	1.74E-09	6.14E-07	4.93E-07	7.70E-05	9.64E-05	1.72E-03	4.61E-05	1.81E-05	1.88E-03
4924	495863.09	3862377.25	0.02275	0.05558	0.0072	0.00572	8.49E-05	1.66E-03	4.61E-05	1.81E-05	1.81E-03	7.72E-05	1.68E-09	6.14E-07	4.93E-07	7.83E-05	9.82E-05	1.66E-03	4.61E-05	1.81E-05	1.82E-03
4925	496363.09	3862377.25	0.02352	0.05355	0.0069	0.00572	8.78E-05	1.60E-03	4.42E-05	1.81E-05	1.75E-03	7.99E-05	1.62E-09	5.89E-07	4.93E-07	8.09E-05	1.01E-04	1.60E-03	4.42E-05	1.81E-05	1.76E-03
4926	496863.09	3862377.25	0.02465	0.05223	0.0068	0.0058	9.20E-05	1.56E-03	4.32E-05	1.83E-05	1.71E-03	8.37E-05	1.58E-09	5.76E-07	4.99E-07	8.48E-05	1.06E-04	1.56E-03	4.32E-05	1.83E-05	1.73E-03
4927	497363.09	3862377.25	0.02503	0.05023	0.0068	0.00581	9.34E-05	1.50E-03	4.34E-05	1.83E-05	1.65E-03	8.50E-05	1.52E-09	5.79E-07	5.00E-07	8.61E-05	1.08E-04	1.50E-03	4.34E-05	1.83E-05	1.67E-03
4928	497863.09	3862377.25	0.02501	0.04853	0.0071	0.00585	9.33E-05	1.45E-03	4.52E-05	1.85E-05	1.60E-03	8.49E-05	1.47E-09	6.03E-07	5.04E-07	8.60E-05	1.08E-04	1.45E-03	4.52E-05	1.85E-05	1.62E-03
4929	498363.09	3862377.25	0.0245	0.04674	0.0074	0.00587	9.14E-05	1.39E-03	4.73E-05	1.85E-05	1.55E-03	8.32E-05	1.41E-09	6.30E-07	5.05E-07	8.43E-05	1.06E-04	1.39E-03	4.73E-05	1.85E-05	1.57E-03
4930	471363.09	3862877.25	0.00971	0.00891	0.0045	0.00281	3.62E-05	2.66E-04	2.84E-05	8.87E-06	3.39E-04	3.30E-05	2.69E-10	3.79E-07	2.42E-07	3.36E-05	4.19E-05	2.66E-04	2.84E-05	8.87E-06	3.45E-04
4931	471863.09	3862877.25	0.00995	0.00935	0.0045	0.0029	3.71E-05	2.79E-04	2.88E-05	9.16E-06	3.54E-04	3.38E-05	2.82E-10	3.84E-07	2.50E-07	3.44E-05	4.29E-05	2.79E-04	2.88E-05	9.16E-06	3.60E-04
4932	472363.09	3862877.25	0.01017	0.00983	0.0046	0.003	3.79E-05	2.93E-04	2.93E-05	9.47E-06	3.70E-04	3.45E-05	2.97E-10	3.91E-07	2.58E-07	3.52E-05	4.39E-05	2.93E-04	2.93E-05	9.47E-06	3.76E-04
4933	472863.09	3862877.25	0.01041	0.01025	0.0047	0.00309	3.88E-05	3.06E-04	2.99E-05	9.76E-06	3.84E-04	3.53E-05	3.10E-10	3.99E-07	2.66E-07	3.60E-05	4.49E-05	3.06E-04	2.99E-05	9.76E-06	3.90E-04
4934	473363.09	3862877.25	0.01068	0.0107	0.0048	0.00318	3.99E-05	3.19E-04	3.07E-05	1.00E-05	4.00E-04	3.63E-05	3.23E-10	4.10E-07	2.74E-07	3.69E-05	4.61E-05	3.19E-04	3.07E-05	1.00E-05	4.06E-04
4935	473863.09	3862877.25	0.01099	0.01115	0.005	0.00327	4.10E-05	3.33E-04	3.16E-05	1.03E-05	4.16E-04	3.73E-05	3.37E-10	4.22E-07	2.82E-07	3.80E-05	4.74E-05	3.33E-04	3.16E-05	1.03E-05	4.22E-04
4936	474363.09	3862877.25	0.01132	0.01158	0.0051	0.00336	4.22E-05	3.45E-04	3.24E-05	1.06E-05	4.31E-04	3.84E-05	3.50E-10	4.32E-07	2.89E-07	3.92E-05	4.88E-05	3.45E-04	3.24E-05	1.06E-05	4.37E-04
4937	474863.09	3862877.25	0.0116	0.01208	0.0052	0.00346	4.33E-05	3.60E-04	3.30E-05	1.09E-05	4.48E-04	3.94E-05	3.65E-10	4.40E-07	2.98E-07	4.01E-05	5.01E-05	3.60E-04	3.30E-05	1.09E-05	4.54E-04

4938	475363.09	3862877.25	0.0118	0.0128	0.0052	0.00352	4.40E-05	3.82E-04	3.30E-05	1.11E-05	4.70E-04	4.01E-05	3.87E-10	4.41E-07	3.03E-07	4.08E-05	5.09E-05	3.82E-04	3.30E-05	1.11E-05	4.77E-04
4939	475863.09	3862877.25	0.01195	0.01352	0.0051	0.00359	4.46E-05	4.03E-04	3.28E-05	1.13E-05	4.92E-04	4.06E-05	4.08E-10	4.37E-07	3.09E-07	4.13E-05	5.16E-05	4.03E-04	3.28E-05	1.13E-05	4.99E-04
4940	476363.09	3862877.25	0.01209	0.0143	0.0051	0.00364	4.51E-05	4.27E-04	3.25E-05	1.15E-05	5.16E-04	4.10E-05	4.32E-10	4.33E-07	3.13E-07	4.18E-05	5.22E-05	4.27E-04	3.25E-05	1.15E-05	5.23E-04
4941	476863.09	3862877.25	0.01235	0.01495	0.0051	0.0037	4.61E-05	4.46E-04	3.27E-05	1.17E-05	5.36E-04	4.19E-05	4.51E-10	4.35E-07	3.19E-07	4.27E-05	5.33E-05	4.46E-04	3.27E-05	1.17E-05	5.44E-04
4942	477363.09	3862877.25	0.01281	0.01543	0.0053	0.00379	4.78E-05	4.60E-04	3.36E-05	1.20E-05	5.54E-04	4.35E-05	4.66E-10	4.47E-07	3.26E-07	4.43E-05	5.53E-05	4.60E-04	3.36E-05	1.20E-05	5.61E-04
4943	477863.09	3862877.25	0.01333	0.01414	0.0057	0.00407	4.97E-05	4.22E-04	3.64E-05	1.29E-05	5.21E-04	4.53E-05	4.27E-10	4.86E-07	3.50E-07	4.61E-05	5.75E-05	4.22E-04	3.64E-05	1.29E-05	5.29E-04
4944	478363.09	3862877.25	0.01327	0.01031	0.0064	0.00423	4.95E-05	3.08E-04	4.05E-05	1.34E-05	4.11E-04	4.51E-05	3.11E-10	5.40E-07	3.64E-07	4.60E-05	5.73E-05	3.08E-04	4.05E-05	1.34E-05	4.19E-04
4945	478863.09	3862877.25	0.01417	0.01096	0.0067	0.00435	5.29E-05	3.27E-04	4.24E-05	1.37E-05	4.36E-04	4.81E-05	3.31E-10	5.66E-07	3.75E-07	4.90E-05	6.11E-05	3.27E-04	4.24E-05	1.37E-05	4.44E-04
4946	479363.09	3862877.25	0.01491	0.01219	0.0067	0.00435	5.56E-05	3.64E-04	4.29E-05	1.37E-05	4.76E-04	5.06E-05	3.68E-10	5.72E-07	3.75E-07	5.16E-05	6.43E-05	3.64E-04	4.29E-05	1.37E-05	4.85E-04
4947	479863.09	3862877.25	0.01681	0.02208	0.0064	0.00422	6.27E-05	6.59E-04	4.07E-05	1.33E-05	7.75E-04	5.71E-05	6.67E-10	5.43E-07	3.63E-07	5.80E-05	7.25E-05	6.59E-04	4.07E-05	1.33E-05	7.85E-04
4948	480363.09	3862877.25	0.01771	0.02435	0.0066	0.00434	6.61E-05	7.26E-04	4.18E-05	1.37E-05	8.48E-04	6.01E-05	7.35E-10	5.57E-07	3.74E-07	6.11E-05	7.64E-05	7.26E-04	4.18E-05	1.37E-05	8.58E-04
4949	480863.09	3862877.25	0.01889	0.02605	0.0067	0.00437	7.05E-05	7.77E-04	4.27E-05	1.38E-05	9.04E-04	6.41E-05	7.87E-10	5.70E-07	3.76E-07	6.51E-05	8.15E-05	7.77E-04	4.27E-05	1.38E-05	9.15E-04
4950	481363.09	3862877.25	0.01984	0.02772	0.0068	0.0044	7.40E-05	8.27E-04	4.31E-05	1.39E-05	9.58E-04	6.74E-05	8.37E-10	5.74E-07	3.79E-07	6.83E-05	8.56E-05	8.27E-04	4.31E-05	1.39E-05	9.70E-04
4951	481863.09	3862877.25	0.02061	0.02872	0.0069	0.0044	7.69E-05	8.57E-04	4.39E-05	1.39E-05	9.92E-04	7.00E-05	8.67E-10	5.86E-07	3.79E-07	7.09E-05	8.89E-05	8.57E-04	4.39E-05	1.39E-05	1.00E-03
4952	482363.09	3862877.25	0.02076	0.03062	0.0064	0.00451	7.75E-05	9.13E-04	4.08E-05	1.42E-05	1.05E-03	7.05E-05	9.25E-10	5.43E-07	3.88E-07	7.14E-05	8.96E-05	9.13E-04	4.08E-05	1.42E-05	1.06E-03
4953	482863.09	3862877.25	0.02155	0.03229	0.0059	0.00465	8.04E-05	9.63E-04	3.76E-05	1.47E-05	1.10E-03	7.32E-05	9.75E-10	5.01E-07	4.00E-07	7.41E-05	9.30E-05	9.63E-04	3.76E-05	1.47E-05	1.11E-03
4954	483363.09	3862877.25	0.02198	0.0341	0.0055	0.00483	8.20E-05	1.02E-03	3.53E-05	1.53E-05	1.15E-03	7.46E-05	1.03E-09	4.70E-07	4.16E-07	7.55E-05	9.48E-05	1.02E-03	3.53E-05	1.53E-05	1.16E-03
4955	483863.09	3862877.25	0.02177	0.03595	0.0051	0.00499	8.12E-05	1.07E-03	3.27E-05	1.58E-05	1.20E-03	7.39E-05	1.09E-09	4.36E-07	4.30E-07	7.48E-05	9.39E-05	1.07E-03	3.27E-05	1.58E-05	1.21E-03
4956	484363.09	3862877.25	0.02156	0.03746	0.0047	0.00494	8.05E-05	1.12E-03	2.99E-05	1.56E-05	1.24E-03	7.32E-05	1.13E-09	3.99E-07	4.25E-07	7.40E-05	9.30E-05	1.12E-03	2.99E-05	1.56E-05	1.26E-03
4957	484863.09	3862877.25	0.02126	0.0395	0.005	0.00477	7.93E-05	1.18E-03	3.20E-05	1.51E-05	1.30E-03	7.22E-05	1.19E-09	4.27E-07	4.11E-07	7.30E-05	9.17E-05	1.18E-03	3.20E-05	1.51E-05	1.32E-03
4958	485363.09	3862877.25	0.02065	0.04225	0.0058	0.00448	7.71E-05	1.26E-03	3.71E-05	1.41E-05	1.39E-03	7.01E-05	1.28E-09	4.94E-07	3.86E-07	7.10E-05	8.91E-05	1.26E-03	3.71E-05	1.41E-05	1.40E-03
4959	485863.09	3862877.25	0.01949	0.04499	0.0045	0.00431	7.27E-05	1.34E-03	2.87E-05	1.36E-05	1.46E-03	6.62E-05	1.36E-09	3.83E-07	3.71E-07	6.69E-05	8.41E-05	1.34E-03	2.87E-05	1.36E-05	1.47E-03
4960	486363.09	3862877.25	0.01912	0.04763	0.004	0.00425	7.13E-05	1.42E-03	2.53E-05	1.34E-05	1.53E-03	6.49E-05	1.44E-09	3.37E-07	3.66E-07	6.56E-05	8.25E-05	1.42E-03	2.53E-05	1.34E-05	1.54E-03
4961	486863.09	3862877.25	0.0189	0.04773	0.0041	0.00422	7.05E-05	1.42E-03	2.62E-05	1.33E-05	1.53E-03	6.42E-05	1.44E-09	3.50E-07	3.63E-07	6.49E-05	8.16E-05	1.42E-03	2.62E-05	1.33E-05	1.55E-03
4962	487363.09	3862877.25	0.01937	0.04879	0.0051	0.00421	7.23E-05	1.46E-03	3.25E-05	1.33E-05	1.57E-03	6.58E-05	1.47E-09	4.33E-07	3.63E-07	6.66E-05	8.36E-05	1.46E-03	3.25E-05	1.33E-05	1.58E-03
4963	487863.09	3862877.25	0.01998	0.04906	0.006	0.00448	7.46E-05	1.46E-03	3.85E-05	1.41E-05	1.59E-03	6.78E-05	1.48E-09	5.13E-07	3.86E-07	6.87E-05	8.62E-05	1.46E-03	3.85E-05	1.41E-05	1.60E-03
4964	488363.09	3862877.25	0.01986	0.04766	0.0056	0.00473	7.41E-05	1.42E-03	3.55E-05	1.49E-05	1.55E-03	6.74E-05	1.44E-09	4.73E-07	4.07E-07	6.83E-05	8.57E-05	1.42E-03	3.55E-05	1.49E-05	1.56E-03
4965	488863.09	3862877.25	0.01923	0.04765	0.0041	0.00449	7.18E-05	1.42E-03	2.58E-05	1.42E-05	1.53E-03	6.53E-05	1.44E-09	3.44E-07	3.87E-07	6.60E-05	8.30E-05	1.42E-03	2.58E-05	1.42E-05	1.54E-03
4966	489363.09	3862877.25	0.01946	0.04874	0.0037	0.0044	7.26E-05	1.45E-03	2.38E-05	1.39E-05	1.56E-03	6.61E-05	1.47E-09	3.17E-07	3.79E-07	6.68E-05	8.40E-05	1.45E-03	2.38E-05	1.39E-05	1.58E-03
4967	489863.09	3862877.25	0.02029	0.04951	0.0034	0.0046	7.57E-05	1.48E-03	2.14E-05	1.45E-05	1.59E-03	6.89E-05	1.50E-09	2.85E-07	3.96E-07	6.96E-05	8.76E-05	1.48E-03	2.14E-05	1.45E-05	1.60E-03
4968	490363.09	3862877.25	0.02054	0.0506	0.0037	0.00489	7.66E-05	1.51E-03	2.37E-05	1.54E-05	1.63E-03	6.97E-05	1.53E-09	3.16E-07	4.21E-07	7.05E-05	8.86E-05	1.51E-03	2.37E-05	1.54E-05	1.64E-03
4969	490863.09	3862877.25	0.02063	0.05177	0.0048	0.00489	7.70E-05	1.54E-03	3.06E-05	1.54E-05	1.67E-03	7.00E-05	1.56E-09	4.07E-07	4.21E-07	7.09E-05	8.90E-05	1.54E-03	3.06E-05	1.54E-05	1.68E-03
4970	491363.09	3862877.25	0.02129	0.05198	0.006	0.00486	7.94E-05	1.55E-03	3.81E-05	1.53E-05	1.68E-03	7.23E-05	1.57E-09	5.09E-07	4.18E-07	7.32E-05	9.19E-05	1.55E-03	3.81E-05	1.53E-05	1.70E-03
4971	491863.09	3862877.25	0.02087	0.05019	0.0062	0.00475	7.79E-05	1.50E-03	3.97E-05	1.50E-05	1.63E-03	7.09E-05	1.52E-09	5.29E-07	4.09E-07	7.18E-05	9.01E-05	1.50E-03	3.97E-05	1.50E-05	1.64E-03
4972	492363.09	3862877.25	0.02121	0.04905	0.0061	0.00464	7.91E-05	1.46E-03	3.92E-05	1.47E-05	1.60E-03	7.20E-05	1.48E-09	5.22E-07	4.00E-07	7.29E-05	9.15E-05	1.46E-03	3.92E-05	1.47E-05	1.61E-03
4973	492863.09	3862877.25	0.02231	0.04899	0.0061	0.00456	8.32E-05	1.46E-03	3.90E-05	1.44E-05	1.60E-03	7.57E-05	1.48E-09	5.20E-07	3.93E-07	7.67E-05	9.63E-05	1.46E-03	3.90E-05	1.44E-05	1.61E-03
4974	493363.09	3862877.25	0.0225	0.04961	0.0065	0.0046	8.40E-05	1.48E-03	4.16E-05	1.45E-05	1.62E-03	7.64E-05	1.50E-09	5.55E-07	3.96E-07	7.73E-05	9.71E-05	1.48E-03	4.16E-05	1.45E-05	1.63E-03
4975	493863.09	3862877.25	0.02154	0.05007	0.0065	0.0047	8.04E-05	1.49E-03	4.12E-05	1.48E-05	1.63E-03	7.31E-05	1.51E-09	5.49E-07	4.05E-07	7.41E-05	9.29E-05	1.49E-03	4.12E-05	1.48E-05	1.64E-03
4976	494363.09	3862877.25	0.02035	0.04992	0.0059	0.00476	7.59E-05	1.49E-03	3.79E-05	1.50E-05	1.62E-03	6.91E-05	1.51E-09	5.05E-07	4.10E-07	7.00E-05	8.78E-05	1.49E-03	3.79E-05	1.50E-05	1.63E-03
4977	494863.09	3862877.25	0.01968	0.04923	0.0057	0.00477	7.34E-05	1.47E-03	3.63E-05	1.51E-05	1.59E-03	6.68E-05	1.49E-09	4.84E-07	4.11E-07	6.77E-05	8.49E-05	1.47E-03	3.63E-05	1.51E-05	1.60E-03
4978	495363.09	3862877.25	0.0196	0.04847	0.0059	0.00479	7.31E-05	1.45E-03	3.78E-05	1.51E-05	1.57E-03	6.65E-05	1.46E-09	5.04E-07	4.12E-07	6.75E-05	8.46E-05	1.45E-03	3.78E-05	1.51E-05	1.58E-03
4979	495863.09	3862877.25	0.01965	0.04741	0.0064	0.0048	7.33E-05	1.41E-03	4.06E-05	1.52E-05	1.54E-03	6.67E-05	1.43E-09	5.41E-07	4.13E-07	6.77E-05	8.48E-05	1.41E-03	4.06E-05	1.52E-05	1.55E-03
4980	496363.09	3862877.25	0.01979	0.04603	0.0066	0.0048	7.38E-05	1.37E-03	4.21E-05	1.52E-05	1.50E-03	6.72E-05	1.39E-09	5.61E-07	4.13E-07	6.82E-05	8.54E-05	1.37E-03	4.21E-05	1.52E-05	1.52E-03
4981	496863.09	3862877.25	0.02023	0.04455	0.0065	0.0048	7.55E-05	1.33E-03	4.13E-05	1.52E-05	1.46E-03	6.87E-05	1.35E-09	5.51E-07	4.13E-07	6.96E-05	8.73E-05	1.33E-03	4.13E-05	1.52E-05	1.47E-03
4982	497363.09	3862877.25	0.02087	0.043	0.0061	0.00479	7.79E-05	1.28E-03	3.92E-05	1.51E-05	1.41E-03	7.09E-05	1.30E-09	5.22E-07	4.12E-07	7.18E-05	9.01E-05	1.28E-03	3.92E-05	1.51E-05	1.43E-03
4983	497863.09	3862877.25	0.02153	0.04169	0.0059	0.00482	8.03E-05	1.24E-03	3.78E-05	1.52E-05	1.38E-03	7.31E-05	1.26E-09	5.03E-07	4.15E-07	7.40E-05	9.29E-05	1.24E-03	3.78E-05	1.52E-05	1.39E-03
4984	498363.09	3862877.25	0.02198	0.04065	0.006	0.00487	8.20E-05	1.21E-03	3.80E-05	1.54E-05	1.35E-03	7.46E-05	1.23E-09	5.06E-07	4.19E-07	7.55E-05	9.48E-05	1.21E-03	3.80E-05	1.54E-05	1.36E-03
4985	471363.09	3863377.25	0.00915	0.00883	0.0043	0.00284	3.41E-05	2.63E-04	2.75E-05	8.97E-06	3.34E-04	3.11E-05	2.67E-10	3.67E-07	2.45E-07	3.17E-05	3.95E-05	2.63E-04	2.75E-05	8.97E-06	3.39E-04
4986	471863.09	3863377.25	0.00934	0.0092	0.0044	0.00293	3.49E-05	2.74E-04	2.82E-05	9.25E-06	3.47E-04	3.17E-05	2.78E-10	3.76E-07	2.52E-07	3.23E-05	4.03E-05	2.74E-04	2.82E-05	9.25E-06	3.52E-04
4987	472363.09	3863377.25	0.00954	0.00959	0.0046	0.00302	3.56E-05	2.86E-04	2.90E-05	9.54E-06	3.60E-04	3.24E-05	2.90E-10	3.87E-07	2.60E-07	3.30E-05	4.12E-05	2.86E-04	2.90E-05	9.54E-06	3.66E-04
4988	472863.09	3863377.25	0.00977	0.00999	0.0047	0.0031	3.65E-05	2.98E-04	2.99E-05	9.79E-06	3.74E-04	3.32E-05	3.02E-10	3.98E-07	2.67E-07	3.38E-05	4.22E-05	2.98E-04	2.99E-05	9.79E-06	3.80E-04
4989	473363.09	3863377.25	0.00999	0.01042	0.0048	0.00317	3.73E-05	3.11E-04	3.04E-05	1.00E-05	3.89E-04	3.39E-05	3.15E-10	4.05E-07	2.73E-07	3.46E-05	4.31E-05	3.11E-04	3.04E-05	1.00E-05	3.94E-04
4990	473863.09	3863377.25	0.0102	0.01086	0.0048	0.00324	3.81E-05	3.24E-04	3.06E-05	1.02E-05	4.03E-04	3.46E-05	3.28E-10	4.07E-07	2.79E-07	3.53E-05	4.40E-05	3.24E-04	3.06E-05	1.02E-05	4.09E-04
4991	474363.09	3863377.25	0.01036	0.01132	0.0048	0.00331	3.87E-05	3.38E-04	3.04E-05	1.05E-05	4.17E-04	3.52E-05	3.42E-10	4.06E-07	2.85E-07	3.59E-05	4.47E-05	3.38E-04	3.04E-05	1.05E-05	4.23E-04
4992	474863.09	3863377.25	0.01045	0.01196	0.0047	0.00336	3.90E-05	3.57E-04	3.02E-05	1.06E-05	4.37E-04	3.55E-05	3.61E-10	4.02E-07	2.89E-07	3.62E-05	4.51E-05	3.57E-04	3.02E-05	1.06E-05	4.43E-04
4993	475363.09	3863377.25	0.01058	0.01257	0.0047	0.0034	3.95E-05	3.75E-04	2.99E-05	1.07E-05	4.55E-04	3.59E-05	3.80E-10	3.98E-07	2.93E-07	3.66E-05	4.57E-05	3.75E-04	2.99E-05	1.07E-05	4.61E-04
4994	475863.09	3863377.25	0.01076	0.01326	0.0047	0.00343	4.02E-05	3.96E-04	3.00E-05	1.08E-05	4.77E-04	3.65E-05	4.00E-10	4.00E-07	2.95E-07	3.72E-05	4.64E-05	3.96E-04	3.00E-05	1.08E-05	4.83E-04
4995	476363.09	3863377.25	0.01103	0.0141	0.0049	0.00344	4.12E-05	4.21E-04	3.09E-05	1.09E-05	5.04E-04	3.74E-05	4.26E-10	4.12E-07	2.96E-07	3.82E-05	4.76E-05	4.21E-04	3.09E-05	1.09E-05	5.10E-04
4996	476863.09	3863377.25	0.01147	0.01494	0.0051	0.00347	4.28E-05	4.46E-04	3.25E-05	1.10E-05	5.32E-04	3.89E-05	4.51E-10	4.34E-07	2.99E-07	3.97E-05	4.95E-05	4.46E-04	3.25E-05	1.10E-05	5.39E-04
4997	477363.09	3863377.25	0.01209	0.01566	0.0054	0.00353	4.51E-05	4.67E-04	3.44E-05	1.11E-05	5.58E-04	4.10E-05	4.73E-10	4.58E-07	3.04E-07	4.18E-05	5.22E-05	4.67E-04	3.44E-05	1.11E-05	5.65E-04
4998	477863.09	3863377.25	0.01285	0.0158	0.0056	0.00368	4.79E-05	4.71E-04	3.59E-05	1.16E-05	5.67E-04	4.36E-05	4.77E-10	4.79E-07	3.17E-07	4.44E-05	5.54E-05	4.71E-04	3.59E-05	1.16E-05	5.74E-04

4999	478363.09	3863377.25	0.01344	0.01403	0.0059	0.00395	5.02E-05	4.19E-04	3.75E-05	1.25E-05	5.19E-04	4.56E-05	4.24E-10	5.00E-07	3.40E-07	4.65E-05	5.80E-05	4.19E-04	3.75E-05	1.25E-05	5.27E-04
5000	478863.09	3863377.25	0.01406	0.01558	0.006	0.00397	5.25E-05	4.65E-04	3.81E-05	1.25E-05	5.68E-04	4.77E-05	4.70E-10	5.08E-07	3.42E-07	4.86E-05	6.07E-05	4.65E-04	3.81E-05	1.25E-05	5.76E-04
5001	479363.09	3863377.25	0.01486	0.01881	0.006	0.00394	5.54E-05	5.61E-04	3.81E-05	1.24E-05	6.67E-04	5.04E-05	5.68E-10	5.09E-07	3.39E-07	5.13E-05	6.41E-05	5.61E-04	3.81E-05	1.24E-05	6.76E-04
5002	479863.09	3863377.25	0.01552	0.0214	0.0061	0.00402	5.79E-05	6.38E-04	3.89E-05	1.27E-05	7.48E-04	5.27E-05	6.46E-10	5.19E-07	3.46E-07	5.36E-05	6.70E-05	6.38E-04	3.89E-05	1.27E-05	7.57E-04
5003	480363.09	3863377.25	0.01644	0.02269	0.0061	0.00412	6.13E-05	6.77E-04	3.90E-05	1.30E-05	7.90E-04	5.58E-05	6.85E-10	5.20E-07	3.55E-07	5.67E-05	7.09E-05	6.77E-04	3.90E-05	1.30E-05	8.00E-04
5004	480863.09	3863377.25	0.01748	0.02376	0.0063	0.00411	6.52E-05	7.09E-04	3.99E-05	1.30E-05	8.27E-04	5.93E-05	7.18E-10	5.32E-07	3.54E-07	6.02E-05	7.54E-05	7.09E-04	3.99E-05	1.30E-05	8.37E-04
5005	481363.09	3863377.25	0.01801	0.02484	0.0061	0.00412	6.72E-05	7.41E-04	3.89E-05	1.30E-05	8.60E-04	6.11E-05	7.50E-10	5.19E-07	3.55E-07	6.20E-05	7.77E-05	7.41E-04	3.89E-05	1.30E-05	8.71E-04
5006	481863.09	3863377.25	0.01823	0.02597	0.0057	0.00412	6.80E-05	7.75E-04	3.65E-05	1.30E-05	8.92E-04	6.19E-05	7.84E-10	4.87E-07	3.55E-07	6.27E-05	7.87E-05	7.75E-04	3.65E-05	1.30E-05	9.03E-04
5007	482363.09	3863377.25	0.01865	0.02729	0.0053	0.00419	6.96E-05	8.14E-04	3.36E-05	1.32E-05	9.31E-04	6.33E-05	8.24E-10	4.48E-07	3.61E-07	6.41E-05	8.05E-05	8.14E-04	3.36E-05	1.32E-05	9.41E-04
5008	482863.09	3863377.25	0.01924	0.02856	0.005	0.00432	7.18E-05	8.52E-04	3.17E-05	1.36E-05	9.69E-04	6.53E-05	8.62E-10	4.23E-07	3.72E-07	6.61E-05	8.30E-05	8.52E-04	3.17E-05	1.36E-05	9.80E-04
5009	483363.09	3863377.25	0.01936	0.02975	0.0047	0.00446	7.22E-05	8.88E-04	3.00E-05	1.41E-05	1.00E-03	6.57E-05	8.98E-10	4.01E-07	3.84E-07	6.65E-05	8.35E-05	8.88E-04	3.00E-05	1.41E-05	1.02E-03
5010	483863.09	3863377.25	0.01912	0.03091	0.0043	0.00452	7.13E-05	9.22E-04	2.75E-05	1.43E-05	1.04E-03	6.49E-05	9.33E-10	3.67E-07	3.89E-07	6.57E-05	8.25E-05	9.22E-04	2.75E-05	1.43E-05	1.05E-03
5011	484363.09	3863377.25	0.01895	0.03225	0.0044	0.0044	7.07E-05	9.62E-04	2.82E-05	1.39E-05	1.07E-03	6.43E-05	9.74E-10	3.76E-07	3.79E-07	6.51E-05	8.18E-05	9.62E-04	2.82E-05	1.39E-05	1.09E-03
5012	484863.09	3863377.25	0.01906	0.03404	0.0055	0.00418	7.11E-05	1.02E-03	3.50E-05	1.32E-05	1.13E-03	6.47E-05	1.03E-09	4.67E-07	3.60E-07	6.55E-05	8.22E-05	1.02E-03	3.50E-05	1.32E-05	1.15E-03
5013	485363.09	3863377.25	0.01824	0.03604	0.0051	0.00389	6.81E-05	1.08E-03	3.25E-05	1.23E-05	1.19E-03	6.19E-05	1.09E-09	4.34E-07	3.35E-07	6.27E-05	7.87E-05	1.08E-03	3.25E-05	1.23E-05	1.20E-03
5014	485863.09	3863377.25	0.01728	0.03824	0.0038	0.00378	6.45E-05	1.14E-03	2.42E-05	1.19E-05	1.24E-03	5.87E-05	1.15E-09	3.22E-07	3.25E-07	5.93E-05	7.46E-05	1.14E-03	2.42E-05	1.19E-05	1.25E-03
5015	486363.09	3863377.25	0.01688	0.0393	0.0038	0.00382	6.30E-05	1.17E-03	2.42E-05	1.21E-05	1.27E-03	5.73E-05	1.19E-09	3.22E-07	3.29E-07	5.80E-05	7.28E-05	1.17E-03	2.42E-05	1.21E-05	1.28E-03
5016	486863.09	3863377.25	0.01674	0.03895	0.0039	0.00371	6.25E-05	1.16E-03	2.49E-05	1.17E-05	1.26E-03	5.68E-05	1.18E-09	3.33E-07	3.19E-07	5.75E-05	7.22E-05	1.16E-03	2.49E-05	1.17E-05	1.27E-03
5017	487363.09	3863377.25	0.01715	0.03916	0.0049	0.00371	6.40E-05	1.17E-03	3.14E-05	1.17E-05	1.28E-03	5.82E-05	1.18E-09	4.19E-07	3.19E-07	5.90E-05	7.40E-05	1.17E-03	3.14E-05	1.17E-05	1.29E-03
5018	487863.09	3863377.25	0.01775	0.03928	0.0057	0.00394	6.62E-05	1.17E-03	3.62E-05	1.24E-05	1.29E-03	6.03E-05	1.19E-09	4.83E-07	3.39E-07	6.11E-05	7.66E-05	1.17E-03	3.62E-05	1.24E-05	1.30E-03
5019	488363.09	3863377.25	0.01784	0.03836	0.0052	0.00414	6.66E-05	1.14E-03	3.34E-05	1.31E-05	1.26E-03	6.06E-05	1.16E-09	4.46E-07	3.56E-07	6.14E-05	7.70E-05	1.14E-03	3.34E-05	1.31E-05	1.27E-03
5020	488863.09	3863377.25	0.01726	0.03807	0.0038	0.00388	6.44E-05	1.14E-03	2.44E-05	1.23E-05	1.24E-03	5.86E-05	1.15E-09	3.26E-07	3.34E-07	5.93E-05	7.45E-05	1.14E-03	2.44E-05	1.23E-05	1.25E-03
5021	489363.09	3863377.25	0.017	0.03889	0.0036	0.00382	6.34E-05	1.16E-03	2.26E-05	1.21E-05	1.26E-03	5.77E-05	1.17E-09	3.02E-07	3.29E-07	5.83E-05	7.34E-05	1.16E-03	2.26E-05	1.21E-05	1.27E-03
5022	489863.09	3863377.25	0.01761	0.03948	0.0032	0.00389	6.57E-05	1.18E-03	2.02E-05	1.23E-05	1.28E-03	5.98E-05	1.19E-09	2.69E-07	3.35E-07	6.04E-05	7.60E-05	1.18E-03	2.02E-05	1.23E-05	1.29E-03
5023	490363.09	3863377.25	0.01824	0.03989	0.0031	0.00418	6.81E-05	1.19E-03	2.00E-05	1.32E-05	1.29E-03	6.19E-05	1.20E-09	2.67E-07	3.60E-07	6.26E-05	7.87E-05	1.19E-03	2.00E-05	1.32E-05	1.30E-03
5024	490863.09	3863377.25	0.01826	0.041	0.0038	0.00434	6.81E-05	1.22E-03	2.42E-05	1.37E-05	1.33E-03	6.20E-05	1.24E-09	3.22E-07	3.74E-07	6.27E-05	7.88E-05	1.22E-03	2.42E-05	1.37E-05	1.34E-03
5025	491363.09	3863377.25	0.01842	0.04174	0.0049	0.00428	6.87E-05	1.25E-03	3.10E-05	1.35E-05	1.36E-03	6.25E-05	1.26E-09	4.13E-07	3.69E-07	6.33E-05	7.95E-05	1.25E-03	3.10E-05	1.35E-05	1.37E-03
5026	491863.09	3863377.25	0.01878	0.04182	0.0056	0.00424	7.01E-05	1.25E-03	3.57E-05	1.34E-05	1.37E-03	6.38E-05	1.26E-09	4.75E-07	3.65E-07	6.46E-05	8.10E-05	1.25E-03	3.57E-05	1.34E-05	1.38E-03
5027	492363.09	3863377.25	0.01877	0.04104	0.0058	0.00427	7.00E-05	1.22E-03	3.73E-05	1.35E-05	1.35E-03	6.37E-05	1.24E-09	4.97E-07	3.68E-07	6.46E-05	8.10E-05	1.22E-03	3.73E-05	1.35E-05	1.36E-03
5028	492863.09	3863377.25	0.01949	0.04006	0.0059	0.0043	7.27E-05	1.20E-03	3.78E-05	1.36E-05	1.32E-03	6.62E-05	1.21E-09	5.04E-07	3.70E-07	6.70E-05	8.41E-05	1.20E-03	3.78E-05	1.36E-05	1.33E-03
5029	493363.09	3863377.25	0.0208	0.0394	0.0062	0.00416	7.76E-05	1.18E-03	3.98E-05	1.31E-05	1.31E-03	7.06E-05	1.19E-09	5.31E-07	3.58E-07	7.15E-05	8.98E-05	1.18E-03	3.98E-05	1.31E-05	1.32E-03
5030	493863.09	3863377.25	0.02097	0.03985	0.0066	0.00416	7.82E-05	1.19E-03	4.22E-05	1.31E-05	1.32E-03	7.12E-05	1.20E-09	5.63E-07	3.58E-07	7.21E-05	9.05E-05	1.19E-03	4.22E-05	1.31E-05	1.33E-03
5031	494363.09	3863377.25	0.01988	0.04067	0.0063	0.00426	7.42E-05	1.21E-03	4.02E-05	1.35E-05	1.34E-03	6.75E-05	1.23E-09	5.37E-07	3.67E-07	6.84E-05	8.58E-05	1.21E-03	4.02E-05	1.35E-05	1.35E-03
5032	494863.09	3863377.25	0.01882	0.04107	0.0058	0.00434	7.02E-05	1.23E-03	3.73E-05	1.37E-05	1.35E-03	6.39E-05	1.24E-09	4.97E-07	3.74E-07	6.48E-05	8.12E-05	1.23E-03	3.73E-05	1.37E-05	1.36E-03
5033	495363.09	3863377.25	0.01834	0.04107	0.0056	0.00439	6.84E-05	1.23E-03	3.58E-05	1.39E-05	1.34E-03	6.23E-05	1.24E-09	4.77E-07	3.78E-07	6.31E-05	7.91E-05	1.23E-03	3.58E-05	1.39E-05	1.35E-03
5034	495863.09	3863377.25	0.0183	0.0409	0.0058	0.00439	6.83E-05	1.22E-03	3.69E-05	1.39E-05	1.34E-03	6.21E-05	1.24E-09	4.92E-07	3.78E-07	6.30E-05	7.90E-05	1.22E-03	3.69E-05	1.39E-05	1.35E-03
5035	496363.09	3863377.25	0.01774	0.04023	0.0057	0.00422	6.62E-05	1.20E-03	3.63E-05	1.33E-05	1.32E-03	6.02E-05	1.21E-09	4.84E-07	3.63E-07	6.11E-05	7.66E-05	1.20E-03	3.63E-05	1.33E-05	1.33E-03
5036	496863.09	3863377.25	0.01745	0.03873	0.0059	0.00413	6.51E-05	1.16E-03	3.79E-05	1.30E-05	1.27E-03	5.92E-05	1.17E-09	5.05E-07	3.56E-07	6.01E-05	7.53E-05	1.16E-03	3.79E-05	1.30E-05	1.28E-03
5037	497363.09	3863377.25	0.01762	0.03771	0.006	0.00412	6.57E-05	1.13E-03	3.85E-05	1.30E-05	1.24E-03	5.98E-05	1.14E-09	5.14E-07	3.55E-07	6.07E-05	7.60E-05	1.13E-03	3.85E-05	1.30E-05	1.25E-03
5038	497863.09	3863377.25	0.01812	0.03671	0.0058	0.00412	6.76E-05	1.10E-03	3.73E-05	1.30E-05	1.21E-03	6.15E-05	1.11E-09	4.97E-07	3.55E-07	6.24E-05	7.82E-05	1.10E-03	3.73E-05	1.30E-05	1.22E-03
5039	498363.09	3863377.25	0.01874	0.03564	0.0055	0.00413	6.99E-05	1.06E-03	3.51E-05	1.30E-05	1.18E-03	6.36E-05	1.08E-09	4.69E-07	3.56E-07	6.44E-05	8.09E-05	1.06E-03	3.51E-05	1.30E-05	1.19E-03
5040	471363.09	3863877.25	0.0086	0.00869	0.0043	0.00286	3.21E-05	2.59E-04	2.76E-05	9.03E-06	3.28E-04	2.92E-05	2.62E-10	3.68E-07	2.46E-07	2.98E-05	3.71E-05	2.59E-04	2.76E-05	9.03E-06	3.33E-04
5041	471863.09	3863877.25	0.00878	0.00892	0.0044	0.00294	3.28E-05	2.66E-04	2.81E-05	9.28E-06	3.36E-04	2.98E-05	2.69E-10	3.75E-07	2.53E-07	3.04E-05	3.79E-05	2.66E-04	2.81E-05	9.28E-06	3.41E-04
5042	472363.09	3863877.25	0.00895	0.00928	0.0045	0.003	3.34E-05	2.77E-04	2.84E-05	9.47E-06	3.48E-04	3.04E-05	2.80E-10	3.79E-07	2.58E-07	3.10E-05	3.86E-05	2.77E-04	2.84E-05	9.47E-06	3.53E-04
5043	472863.09	3863877.25	0.00909	0.00967	0.0045	0.00306	3.39E-05	2.88E-04	2.84E-05	9.66E-06	3.61E-04	3.09E-05	2.92E-10	3.79E-07	2.63E-07	3.15E-05	3.92E-05	2.88E-04	2.84E-05	9.66E-06	3.66E-04
5044	473363.09	3863877.25	0.00917	0.01013	0.0044	0.00311	3.42E-05	3.02E-04	2.83E-05	9.82E-06	3.75E-04	3.11E-05	3.06E-10	3.77E-07	2.68E-07	3.18E-05	3.96E-05	3.02E-04	2.83E-05	9.82E-06	3.80E-04
5045	473863.09	3863877.25	0.00926	0.01056	0.0044	0.00316	3.46E-05	3.15E-04	2.78E-05	9.98E-06	3.87E-04	3.14E-05	3.19E-10	3.71E-07	2.72E-07	3.21E-05	4.00E-05	3.15E-04	2.78E-05	9.98E-06	3.93E-04
5046	474363.09	3863877.25	0.00935	0.0111	0.0043	0.0032	3.49E-05	3.31E-04	2.77E-05	1.01E-05	4.04E-04	3.17E-05	3.35E-10	3.69E-07	2.76E-07	3.24E-05	4.03E-05	3.31E-04	2.77E-05	1.01E-05	4.09E-04
5047	474863.09	3863877.25	0.00946	0.01176	0.0045	0.00322	3.53E-05	3.51E-04	2.84E-05	1.02E-05	4.25E-04	3.21E-05	3.55E-10	3.78E-07	2.77E-07	3.28E-05	4.08E-05	3.51E-04	2.84E-05	1.02E-05	4.30E-04
5048	475363.09	3863877.25	0.00969	0.01237	0.0045	0.00323	3.62E-05	3.69E-04	2.90E-05	1.02E-05	4.44E-04	3.29E-05	3.74E-10	3.86E-07	2.78E-07	3.36E-05	4.18E-05	3.69E-04	2.90E-05	1.02E-05	4.50E-04
5049	475863.09	3863877.25	0.00996	0.01316	0.0048	0.00324	3.72E-05	3.93E-04	3.07E-05	1.02E-05	4.71E-04	3.38E-05	3.97E-10	4.10E-07	2.79E-07	3.45E-05	4.30E-05	3.93E-04	3.07E-05	1.02E-05	4.77E-04
5050	476363.09	3863877.25	0.01037	0.01386	0.0051	0.00326	3.87E-05	4.13E-04	3.23E-05	1.03E-05	4.95E-04	3.52E-05	4.19E-10	4.30E-07	2.81E-07	3.59E-05	4.47E-05	4.13E-04	3.23E-05	1.03E-05	5.01E-04
5051	476863.09	3863877.25	0.01086	0.01461	0.0053	0.00331	4.05E-05	4.36E-04	3.39E-05	1.05E-05	5.21E-04	3.69E-05	4.41E-10	4.52E-07	2.85E-07	3.76E-05	4.69E-05	4.36E-04	3.39E-05	1.05E-05	5.27E-04
5052	477363.09	3863877.25	0.01147	0.01529	0.0054	0.00339	4.28E-05	4.56E-04	3.44E-05	1.07E-05	5.44E-04	3.89E-05	4.62E-10	4.59E-07	2.92E-07	3.97E-05	4.95E-05	4.56E-04	3.44E-05	1.07E-05	5.51E-04
5053	477863.09	3863877.25	0.01212	0.01566	0.0054	0.00347	4.52E-05	4.67E-04	3.44E-05	1.10E-05	5.58E-04	4.11E-05	4.73E-10	4.58E-07	2.99E-07	4.19E-05	5.23E-05	4.67E-04	3.44E-05	1.10E-05	5.65E-04
5054	478363.09	3863877.25	0.01265	0.01497	0.0056	0.00363	4.72E-05	4.47E-04	3.55E-05	1.15E-05	5.41E-04	4.29E-05	4.52E-10	4.73E-07	3.13E-07	4.37E-05	5.46E-05	4.47E-04	3.55E-05	1.15E-05	5.48E-04
5055	478863.09	3863877.25	0.01319	0.01734	0.0056	0.00359	4.92E-05	5.17E-04	3.55E-05	1.13E-05	6.13E-04	4.48E-05	5.24E-10	4.73E-07	3.09E-07	4.56E-05	5.69E-05	5.17E-04	3.55E-05	1.13E-05	6.21E-04
5056	479363.09	3863877.25	0.01379	0.01875	0.0057	0.00372	5.15E-05	5.59E-04	3.62E-05	1.17E-05	6.59E-04	4.68E-05	5.66E-10	4.83E-07	3.20E-07	4.76E-05	5.95E-05	5.59E-04	3.62E-05	1.17E-05	6.67E-04
5057	479863.09	3863877.25	0.01454	0.01974	0.0057	0.00386	5.43E-05	5.89E-04	3.65E-05	1.22E-05	6.92E-04	4.94E-05	5.96E-10	4.87E-07	3.32E-07	5.02E-05	6.27E-05	5.89E-04	3.65E-05	1.22E-05	7.00E-04
5058	480363.09	3863877.25	0.01537	0.02063	0.0057	0.0039	5.74E-05	6.15E-04	3.65E-05	1.23E-05	7.22E-04	5.22E-05	6.23E-10	4.86E-07	3.36E-07	5.30E-05	6.63E-05	6.15E-04	3.65E-05	1.23E-05	7.31E-04
5059	480863.09	3863877.25	0.01608	0.02142	0.0056	0.00386	6.00E-05	6.39E-04	3.58E-05	1.22E-05	7.47E-04	5.46E-05	6.47E-10	4.77E-07	3.32E-07	5.54E-05	6.94E-05	6.39E-04	3.58E-05	1.22E-05	7.56E-04

5060	481363.09	3863877.25	0.01631	0.02225	0.0052	0.00383	6.09E-05	6.64E-04	3.32E-05	1.21E-05	7.70E-04	5.54E-05	6.72E-10	4.42E-07	3.30E-07	5.61E-05	7.04E-05	6.64E-04	3.32E-05	1.21E-05	7.79E-04
5061	481863.09	3863877.25	0.0164	0.02318	0.0048	0.00382	6.12E-05	6.92E-04	3.04E-05	1.21E-05	7.95E-04	5.57E-05	7.00E-10	4.06E-07	3.29E-07	5.64E-05	7.08E-05	6.92E-04	3.04E-05	1.21E-05	8.05E-04
5062	482363.09	3863877.25	0.01691	0.02414	0.0046	0.00389	6.31E-05	7.20E-04	2.90E-05	1.23E-05	8.25E-04	5.74E-05	7.29E-10	3.87E-07	3.35E-07	5.81E-05	7.30E-05	7.20E-04	2.90E-05	1.23E-05	8.34E-04
5063	482863.09	3863877.25	0.01726	0.02513	0.0043	0.00397	6.44E-05	7.50E-04	2.76E-05	1.25E-05	8.54E-04	5.86E-05	7.59E-10	3.67E-07	3.42E-07	5.93E-05	7.45E-05	7.50E-04	2.76E-05	1.25E-05	8.64E-04
5064	483363.09	3863877.25	0.01714	0.02617	0.004	0.00404	6.40E-05	7.81E-04	2.55E-05	1.28E-05	8.83E-04	5.82E-05	7.90E-10	3.40E-07	3.48E-07	5.89E-05	7.40E-05	7.81E-04	2.55E-05	1.28E-05	8.93E-04
5065	483863.09	3863877.25	0.01695	0.02728	0.004	0.00404	6.32E-05	8.14E-04	2.53E-05	1.28E-05	9.15E-04	5.75E-05	8.24E-10	3.37E-07	3.48E-07	5.82E-05	7.31E-05	8.14E-04	2.53E-05	1.28E-05	9.25E-04
5066	484363.09	3863877.25	0.01698	0.02836	0.0048	0.00392	6.34E-05	8.46E-04	3.08E-05	1.24E-05	9.53E-04	5.76E-05	8.56E-10	4.11E-07	3.38E-07	5.84E-05	7.33E-05	8.46E-04	3.08E-05	1.24E-05	9.63E-04
5067	484863.09	3863877.25	0.01706	0.02957	0.0054	0.00368	6.37E-05	8.82E-04	3.44E-05	1.16E-05	9.92E-04	5.79E-05	8.93E-10	4.58E-07	3.17E-07	5.87E-05	7.36E-05	8.82E-04	3.44E-05	1.16E-05	1.00E-03
5068	485363.09	3863877.25	0.01628	0.03116	0.0042	0.00348	6.07E-05	9.30E-04	2.66E-05	1.10E-05	1.03E-03	5.53E-05	9.41E-10	3.55E-07	3.00E-07	5.59E-05	7.03E-05	9.30E-04	2.66E-05	1.10E-05	1.04E-03
5069	485863.09	3863877.25	0.01554	0.03288	0.0035	0.0035	5.80E-05	9.81E-04	2.23E-05	1.11E-05	1.07E-03	5.28E-05	9.93E-10	2.97E-07	3.01E-07	5.34E-05	6.71E-05	9.81E-04	2.23E-05	1.11E-05	1.08E-03
5070	486363.09	3863877.25	0.01505	0.03275	0.0036	0.00345	5.62E-05	9.77E-04	2.28E-05	1.09E-05	1.07E-03	5.11E-05	9.89E-10	3.04E-07	2.97E-07	5.17E-05	6.49E-05	9.77E-04	2.28E-05	1.09E-05	1.08E-03
5071	486863.09	3863877.25	0.01485	0.03256	0.0038	0.00334	5.54E-05	9.71E-04	2.40E-05	1.05E-05	1.06E-03	5.04E-05	9.83E-10	3.20E-07	2.88E-07	5.10E-05	6.41E-05	9.71E-04	2.40E-05	1.05E-05	1.07E-03
5072	487363.09	3863877.25	0.01522	0.03225	0.0048	0.00335	5.68E-05	9.62E-04	3.04E-05	1.06E-05	1.06E-03	5.17E-05	9.74E-10	4.05E-07	2.88E-07	5.24E-05	6.57E-05	9.62E-04	3.04E-05	1.06E-05	1.07E-03
5073	487863.09	3863877.25	0.01586	0.03229	0.0054	0.00354	5.92E-05	9.63E-04	3.41E-05	1.12E-05	1.07E-03	5.38E-05	9.75E-10	4.55E-07	3.05E-07	5.46E-05	6.84E-05	9.63E-04	3.41E-05	1.12E-05	1.08E-03
5074	488363.09	3863877.25	0.01612	0.03182	0.005	0.00369	6.02E-05	9.49E-04	3.16E-05	1.17E-05	1.05E-03	5.47E-05	9.61E-10	4.22E-07	3.18E-07	5.55E-05	6.96E-05	9.49E-04	3.16E-05	1.17E-05	1.06E-03
5075	488863.09	3863877.25	0.01571	0.03145	0.0037	0.00345	5.86E-05	9.38E-04	2.33E-05	1.09E-05	1.03E-03	5.33E-05	9.50E-10	3.10E-07	2.97E-07	5.39E-05	6.78E-05	9.38E-04	2.33E-05	1.09E-05	1.04E-03
5076	489363.09	3863877.25	0.01518	0.03198	0.0034	0.00339	5.66E-05	9.54E-04	2.14E-05	1.07E-05	1.04E-03	5.15E-05	9.66E-10	2.85E-07	2.92E-07	5.21E-05	6.55E-05	9.54E-04	2.14E-05	1.07E-05	1.05E-03
5077	489863.09	3863877.25	0.01542	0.0326	0.0031	0.00341	5.75E-05	9.73E-04	1.98E-05	1.08E-05	1.06E-03	5.24E-05	9.84E-10	2.64E-07	2.94E-07	5.29E-05	6.65E-05	9.73E-04	1.98E-05	1.08E-05	1.07E-03
5078	490363.09	3863877.25	0.01614	0.03275	0.0028	0.00361	6.02E-05	9.77E-04	1.79E-05	1.14E-05	1.07E-03	5.48E-05	9.89E-10	2.38E-07	3.11E-07	5.53E-05	6.96E-05	9.77E-04	1.79E-05	1.14E-05	1.08E-03
5079	490863.09	3863877.25	0.01642	0.0333	0.0031	0.00385	6.13E-05	9.93E-04	1.99E-05	1.22E-05	1.09E-03	5.57E-05	1.01E-09	2.65E-07	3.32E-07	5.63E-05	7.09E-05	9.93E-04	1.99E-05	1.22E-05	1.10E-03
5080	491363.09	3863877.25	0.01629	0.03402	0.0039	0.00389	6.08E-05	1.01E-03	2.49E-05	1.23E-05	1.11E-03	5.53E-05	1.03E-09	3.32E-07	3.35E-07	5.60E-05	7.03E-05	1.01E-03	2.49E-05	1.23E-05	1.12E-03
5081	491863.09	3863877.25	0.0171	0.03512	0.005	0.00398	6.38E-05	1.05E-03	3.21E-05	1.26E-05	1.16E-03	5.81E-05	1.06E-09	4.28E-07	3.43E-07	5.88E-05	7.38E-05	1.05E-03	3.21E-05	1.26E-05	1.17E-03
5082	492363.09	3863877.25	0.01778	0.03502	0.0058	0.00395	6.63E-05	1.04E-03	3.71E-05	1.25E-05	1.16E-03	6.04E-05	1.06E-09	4.95E-07	3.40E-07	6.12E-05	7.67E-05	1.04E-03	3.71E-05	1.25E-05	1.17E-03
5083	492863.09	3863877.25	0.0176	0.03223	0.0058	0.00398	6.57E-05	9.62E-04	3.69E-05	1.26E-05	1.08E-03	5.98E-05	9.73E-10	4.92E-07	3.43E-07	6.06E-05	7.59E-05	9.62E-04	3.69E-05	1.26E-05	1.09E-03
5084	493363.09	3863877.25	0.01792	0.03114	0.0055	0.00383	6.69E-05	9.29E-04	3.53E-05	1.21E-05	1.04E-03	6.08E-05	9.40E-10	4.70E-07	3.30E-07	6.16E-05	7.73E-05	9.29E-04	3.53E-05	1.21E-05	1.05E-03
5085	493863.09	3863877.25	0.01883	0.03124	0.0055	0.00368	7.03E-05	9.32E-04	3.52E-05	1.16E-05	1.05E-03	6.39E-05	9.43E-10	4.69E-07	3.17E-07	6.47E-05	8.13E-05	9.32E-04	3.52E-05	1.16E-05	1.06E-03
5086	494363.09	3863877.25	0.019	0.03208	0.0061	0.00366	7.09E-05	9.57E-04	3.90E-05	1.16E-05	1.08E-03	6.45E-05	9.69E-10	5.20E-07	3.15E-07	6.53E-05	8.20E-05	9.57E-04	3.90E-05	1.16E-05	1.09E-03
5087	494863.09	3863877.25	0.01827	0.03294	0.0063	0.00373	6.82E-05	9.83E-04	4.01E-05	1.18E-05	1.10E-03	6.20E-05	9.95E-10	5.34E-07	3.21E-07	6.29E-05	7.88E-05	9.83E-04	4.01E-05	1.18E-05	1.11E-03
5088	495363.09	3863877.25	0.01725	0.03363	0.0058	0.00381	6.44E-05	1.00E-03	3.70E-05	1.20E-05	1.12E-03	5.86E-05	1.02E-09	4.93E-07	3.28E-07	5.94E-05	7.44E-05	1.00E-03	3.70E-05	1.20E-05	1.13E-03
5089	495863.09	3863877.25	0.01658	0.03391	0.0053	0.00385	6.19E-05	1.01E-03	3.41E-05	1.22E-05	1.12E-03	5.63E-05	1.02E-09	4.54E-07	3.32E-07	5.71E-05	7.15E-05	1.01E-03	3.41E-05	1.22E-05	1.13E-03
5090	496363.09	3863877.25	0.01621	0.03443	0.005	0.00393	6.05E-05	1.03E-03	3.20E-05	1.24E-05	1.13E-03	5.50E-05	1.04E-09	4.27E-07	3.38E-07	5.58E-05	6.99E-05	1.03E-03	3.20E-05	1.24E-05	1.14E-03
5091	496863.09	3863877.25	0.01604	0.03423	0.0051	0.0038	5.99E-05	1.02E-03	3.27E-05	1.20E-05	1.13E-03	5.45E-05	1.03E-09	4.35E-07	3.27E-07	5.52E-05	6.92E-05	1.02E-03	3.27E-05	1.20E-05	1.14E-03
5092	497363.09	3863877.25	0.01589	0.03365	0.0054	0.00372	5.93E-05	1.00E-03	3.44E-05	1.17E-05	1.11E-03	5.39E-05	1.02E-09	4.59E-07	3.20E-07	5.47E-05	6.86E-05	1.00E-03	3.44E-05	1.17E-05	1.12E-03
5093	497863.09	3863877.25	0.01587	0.03292	0.0056	0.00368	5.92E-05	9.82E-04	3.58E-05	1.16E-05	1.09E-03	5.39E-05	9.94E-10	4.78E-07	3.17E-07	5.47E-05	6.85E-05	9.82E-04	3.58E-05	1.16E-05	1.10E-03
5094	498363.09	3863877.25	0.016	0.03195	0.0056	0.00364	5.97E-05	9.53E-04	3.55E-05	1.15E-05	1.06E-03	5.43E-05	9.65E-10	4.74E-07	3.13E-07	5.51E-05	6.90E-05	9.53E-04	3.55E-05	1.15E-05	1.07E-03
5095	471363.09	3864377.25	0.00806	0.00839	0.0042	0.00284	3.01E-05	2.50E-04	2.67E-05	8.97E-06	3.16E-04	2.74E-05	2.53E-10	3.55E-07	2.45E-07	2.80E-05	3.48E-05	2.50E-04	2.67E-05	8.97E-06	3.21E-04
5096	471863.09	3864377.25	0.00817	0.00867	0.0042	0.00289	3.05E-05	2.59E-04	2.65E-05	9.12E-06	3.25E-04	2.77E-05	2.62E-10	3.53E-07	2.49E-07	2.83E-05	3.53E-05	2.59E-04	2.65E-05	9.12E-06	3.30E-04
5097	472363.09	3864377.25	0.00824	0.00902	0.0041	0.00293	3.07E-05	2.69E-04	2.60E-05	9.25E-06	3.35E-04	2.80E-05	2.72E-10	3.47E-07	2.52E-07	2.86E-05	3.56E-05	2.69E-04	2.60E-05	9.25E-06	3.40E-04
5098	472863.09	3864377.25	0.00829	0.0094	0.004	0.00296	3.09E-05	2.80E-04	2.56E-05	9.35E-06	3.46E-04	2.81E-05	2.84E-10	3.42E-07	2.55E-07	2.87E-05	3.58E-05	2.80E-04	2.56E-05	9.35E-06	3.51E-04
5099	473363.09	3864377.25	0.00833	0.00989	0.0041	0.003	3.11E-05	2.95E-04	2.58E-05	9.47E-06	3.61E-04	2.83E-05	2.99E-10	3.44E-07	2.58E-07	2.89E-05	3.59E-05	2.95E-04	2.58E-05	9.47E-06	3.66E-04
5100	473863.09	3864377.25	0.00843	0.01039	0.0041	0.00303	3.15E-05	3.10E-04	2.64E-05	9.57E-06	3.77E-04	2.86E-05	3.14E-10	3.52E-07	2.61E-07	2.92E-05	3.64E-05	3.10E-04	2.64E-05	9.57E-06	3.82E-04
5101	474363.09	3864377.25	0.00861	0.01092	0.0043	0.00305	3.21E-05	3.26E-04	2.73E-05	9.63E-06	3.95E-04	2.92E-05	3.30E-10	3.64E-07	2.63E-07	2.99E-05	3.72E-05	3.26E-04	2.73E-05	9.63E-06	4.00E-04
5102	474863.09	3864377.25	0.00881	0.01155	0.0045	0.00306	3.29E-05	3.45E-04	2.87E-05	9.66E-06	4.16E-04	2.99E-05	3.49E-10	3.83E-07	2.63E-07	3.06E-05	3.80E-05	3.45E-04	2.87E-05	9.66E-06	4.21E-04
5103	475363.09	3864377.25	0.0091	0.01215	0.0048	0.00307	3.40E-05	3.62E-04	3.04E-05	9.69E-06	4.36E-04	3.09E-05	3.67E-10	4.05E-07	2.64E-07	3.16E-05	3.93E-05	3.62E-04	3.04E-05	9.69E-06	4.42E-04
5104	475863.09	3864377.25	0.00944	0.01275	0.005	0.00309	3.52E-05	3.80E-04	3.16E-05	9.76E-06	4.57E-04	3.20E-05	3.85E-10	4.21E-07	2.66E-07	3.27E-05	4.07E-05	3.80E-04	3.16E-05	9.76E-06	4.62E-04
5105	476363.09	3864377.25	0.00985	0.01327	0.0051	0.00312	3.68E-05	3.96E-04	3.25E-05	9.85E-06	4.75E-04	3.34E-05	4.01E-10	4.33E-07	2.69E-07	3.41E-05	4.25E-05	3.96E-04	3.25E-05	9.85E-06	4.81E-04
5106	476863.09	3864377.25	0.01034	0.01379	0.0051	0.00317	3.86E-05	4.11E-04	3.27E-05	1.00E-05	4.93E-04	3.51E-05	4.16E-10	4.36E-07	2.73E-07	3.58E-05	4.46E-05	4.11E-04	3.27E-05	1.00E-05	4.99E-04
5107	477363.09	3864377.25	0.01082	0.01448	0.0052	0.00323	4.04E-05	4.32E-04	3.28E-05	1.02E-05	5.15E-04	3.67E-05	4.37E-10	4.38E-07	2.78E-07	3.75E-05	4.67E-05	4.32E-04	3.28E-05	1.02E-05	5.22E-04
5108	477863.09	3864377.25	0.01126	0.0152	0.0052	0.00329	4.20E-05	4.53E-04	3.28E-05	1.04E-05	5.39E-04	3.82E-05	4.59E-10	4.38E-07	2.83E-07	3.89E-05	4.86E-05	4.53E-04	3.28E-05	1.04E-05	5.45E-04
5109	478363.09	3864377.25	0.01168	0.01596	0.0052	0.00337	4.36E-05	4.76E-04	3.32E-05	1.06E-05	5.64E-04	3.97E-05	4.82E-10	4.42E-07	2.90E-07	4.04E-05	5.04E-05	4.76E-04	3.32E-05	1.06E-05	5.70E-04
5110	478863.09	3864377.25	0.01223	0.01671	0.0053	0.0035	4.56E-05	4.99E-04	3.36E-05	1.11E-05	5.89E-04	4.15E-05	5.05E-10	4.48E-07	3.01E-07	4.23E-05	5.28E-05	4.99E-04	3.36E-05	1.11E-05	5.96E-04
5111	479363.09	3864377.25	0.01289	0.01744	0.0053	0.00363	4.81E-05	5.20E-04	3.38E-05	1.15E-05	6.14E-04	4.38E-05	5.27E-10	4.51E-07	3.13E-07	4.45E-05	5.56E-05	5.20E-04	3.38E-05	1.15E-05	6.21E-04
5112	479863.09	3864377.25	0.01366	0.01806	0.0053	0.00369	5.10E-05	5.39E-04	3.40E-05	1.17E-05	6.35E-04	4.64E-05	5.45E-10	4.53E-07	3.18E-07	4.71E-05	5.89E-05	5.39E-04	3.40E-05	1.17E-05	6.43E-04
5113	480363.09	3864377.25	0.01438	0.01864	0.0052	0.00366	5.37E-05	5.56E-04	3.30E-05	1.16E-05	6.54E-04	4.88E-05	5.63E-10	4.40E-07	3.15E-07	4.96E-05	6.21E-05	5.56E-04	3.30E-05	1.16E-05	6.63E-04
5114	480863.09	3864377.25	0.01465	0.01923	0.0047	0.00356	5.47E-05	5.74E-04	3.02E-05	1.12E-05	6.70E-04	4.97E-05	5.81E-10	4.02E-07	3.07E-07	5.04E-05	6.32E-05	5.74E-04	3.02E-05	1.12E-05	6.78E-04
5115	481363.09	3864377.25	0.0147	0.01986	0.0044	0.0035	5.49E-05	5.92E-04	2.78E-05	1.11E-05	6.86E-04	4.99E-05	6.00E-10	3.71E-07	3.01E-07	5.06E-05	6.34E-05	5.92E-04	2.78E-05	1.11E-05	6.95E-04
5116	481863.09	3864377.25	0.01491	0.02067	0.0042	0.00351	5.56E-05	6.17E-04	2.65E-05	1.11E-05	7.10E-04	5.06E-05	6.24E-10	3.53E-07	3.02E-07	5.13E-05	6.43E-05	6.17E-04	2.65E-05	1.11E-05	7.19E-04
5117	482363.09	3864377.25	0.01531	0.02156	0.004	0.00356	5.71E-05	6.43E-04	2.55E-05	1.12E-05	7.37E-04	5.20E-05	6.51E-10	3.39E-07	3.07E-07	5.26E-05	6.61E-05	6.43E-04	2.55E-05	1.12E-05	7.46E-04
5118	482863.09	3864377.25	0.01547	0.02248	0.0037	0.0036	5.77E-05	6.71E-04	2.38E-05	1.14E-05	7.64E-04	5.25E-05	6.79E-10	3.17E-07	3.10E-07	5.31E-05	6.68E-05	6.71E-04	2.38E-05	1.14E-05	7.73E-04
5119	483363.09	3864377.25	0.01525	0.02345	0.0036	0.00363	5.69E-05	7.00E-04	2.28E-05	1.15E-05	7.91E-04	5.18E-05	7.08E-10	3.04E-07	3.13E-07	5.24E-05	6.58E-05	7.00E-04	2.28E-05	1.15E-05	8.00E-04
5120	483863.09	3864377.25	0.01513	0.02436	0.0042	0.00364	5.65E-05	7.27E-04	2.67E-05	1.15E-05	8.21E-04	5.14E-05	7.36E-10	3.55E-07	3.13E-07	5.20E-05	6.53E-05	7.27E-04	2.67E-05	1.15E-05	8.30E-04

5121	484363.09	3864377.25	0.01535	0.02501	0.0052	0.00352	5.73E-05	7.46E-04	3.30E-05	1.11E-05	8.48E-04	5.21E-05	7.55E-10	4.40E-07	3.03E-07	5.29E-05	6.62E-05	7.46E-04	3.30E-05	1.11E-05	8.56E-04
5122	484863.09	3864377.25	0.01529	0.02587	0.0047	0.00329	5.71E-05	7.72E-04	2.99E-05	1.04E-05	8.69E-04	5.19E-05	7.81E-10	3.98E-07	2.83E-07	5.26E-05	6.60E-05	7.72E-04	2.99E-05	1.04E-05	8.78E-04
5123	485363.09	3864377.25	0.01456	0.02727	0.0035	0.00322	5.43E-05	8.14E-04	2.21E-05	1.02E-05	9.00E-04	4.94E-05	8.24E-10	2.95E-07	2.77E-07	5.00E-05	6.28E-05	8.14E-04	2.21E-05	1.02E-05	9.09E-04
5124	485863.09	3864377.25	0.01395	0.02812	0.0034	0.00325	5.21E-05	8.39E-04	2.15E-05	1.03E-05	9.23E-04	4.74E-05	8.49E-10	2.87E-07	2.80E-07	4.79E-05	6.02E-05	8.39E-04	2.15E-05	1.03E-05	9.31E-04
5125	486363.09	3864377.25	0.01353	0.02775	0.0033	0.00312	5.05E-05	8.28E-04	2.13E-05	9.85E-06	9.10E-04	4.59E-05	8.38E-10	2.84E-07	2.69E-07	4.65E-05	5.84E-05	8.28E-04	2.13E-05	9.85E-06	9.17E-04
5126	486863.09	3864377.25	0.01329	0.02779	0.0037	0.00308	4.96E-05	8.29E-04	2.33E-05	9.72E-06	9.12E-04	4.51E-05	8.39E-10	3.11E-07	2.65E-07	4.57E-05	5.73E-05	8.29E-04	2.33E-05	9.72E-06	9.19E-04
5127	487363.09	3864377.25	0.01361	0.02724	0.0046	0.00309	5.08E-05	8.13E-04	2.94E-05	9.76E-06	9.03E-04	4.62E-05	8.23E-10	3.92E-07	2.66E-07	4.69E-05	5.87E-05	8.13E-04	2.94E-05	9.76E-06	9.11E-04
5128	487863.09	3864377.25	0.01426	0.02714	0.0051	0.00324	5.32E-05	8.10E-04	3.23E-05	1.02E-05	9.05E-04	4.84E-05	8.20E-10	4.31E-07	2.79E-07	4.91E-05	6.15E-05	8.10E-04	3.23E-05	1.02E-05	9.14E-04
5129	488363.09	3864377.25	0.01457	0.02685	0.0047	0.00333	5.44E-05	8.01E-04	2.99E-05	1.05E-05	8.96E-04	4.95E-05	8.11E-10	3.99E-07	2.87E-07	5.02E-05	6.29E-05	8.01E-04	2.99E-05	1.05E-05	9.04E-04
5130	488863.09	3864377.25	0.0144	0.02666	0.0035	0.00312	5.37E-05	7.95E-04	2.24E-05	9.85E-06	8.81E-04	4.89E-05	8.05E-10	2.99E-07	2.69E-07	4.95E-05	6.21E-05	7.95E-04	2.24E-05	9.85E-06	8.90E-04
5131	489363.09	3864377.25	0.01383	0.02697	0.0032	0.00305	5.16E-05	8.05E-04	2.01E-05	9.63E-06	8.86E-04	4.70E-05	8.14E-10	2.68E-07	2.63E-07	4.75E-05	5.97E-05	8.05E-04	2.01E-05	9.63E-06	8.94E-04
5132	489863.09	3864377.25	0.0137	0.02746	0.0031	0.00305	5.11E-05	8.19E-04	1.96E-05	9.63E-06	9.00E-04	4.65E-05	8.29E-10	2.61E-07	2.63E-07	4.70E-05	5.91E-05	8.19E-04	1.96E-05	9.63E-06	9.08E-04
5133	490363.09	3864377.25	0.01425	0.02768	0.0027	0.00318	5.32E-05	8.26E-04	1.69E-05	1.00E-05	9.06E-04	4.84E-05	8.36E-10	2.25E-07	2.74E-07	4.89E-05	6.15E-05	8.26E-04	1.69E-05	1.00E-05	9.14E-04
5134	490863.09	3864377.25	0.01493	0.02804	0.0027	0.00343	5.57E-05	8.37E-04	1.73E-05	1.08E-05	9.20E-04	5.07E-05	8.47E-10	2.31E-07	2.95E-07	5.12E-05	6.44E-05	8.37E-04	1.73E-05	1.08E-05	9.29E-04
5135	491363.09	3864377.25	0.01546	0.02847	0.0034	0.00369	5.77E-05	8.49E-04	2.17E-05	1.17E-05	9.40E-04	5.25E-05	8.60E-10	2.89E-07	3.18E-07	5.31E-05	6.67E-05	8.49E-04	2.17E-05	1.17E-05	9.49E-04
5136	491863.09	3864377.25	0.01144	0.01088	0.0038	0.00362	4.27E-05	3.25E-04	2.43E-05	1.14E-05	4.03E-04	3.88E-05	3.29E-10	3.24E-07	3.12E-07	3.95E-05	4.94E-05	3.25E-04	2.43E-05	1.14E-05	4.10E-04
5137	492363.09	3864377.25	0.01599	0.02235	0.0052	0.00404	5.97E-05	6.67E-04	3.32E-05	1.28E-05	7.72E-04	5.43E-05	6.75E-10	4.42E-07	3.48E-07	5.51E-05	6.90E-05	6.67E-04	3.32E-05	1.28E-05	7.82E-04
5138	492863.09	3864377.25	0.01419	0.01517	0.0067	0.00373	5.29E-05	4.53E-04	4.27E-05	1.18E-05	5.60E-04	4.82E-05	4.58E-10	5.70E-07	3.21E-07	4.91E-05	6.12E-05	4.53E-04	4.27E-05	1.18E-05	5.68E-04
5139	493363.09	3864377.25	0.01477	0.02147	0.0074	0.00386	5.51E-05	6.41E-04	4.72E-05	1.22E-05	7.55E-04	5.01E-05	6.48E-10	6.29E-07	3.32E-07	5.11E-05	6.37E-05	6.41E-04	4.72E-05	1.22E-05	7.64E-04
5140	493863.09	3864377.25	0.01585	0.02452	0.0052	0.00355	5.91E-05	7.32E-04	3.34E-05	1.12E-05	8.35E-04	5.38E-05	7.40E-10	4.46E-07	3.06E-07	5.46E-05	6.84E-05	7.32E-04	3.34E-05	1.12E-05	8.45E-04
5141	494363.09	3864377.25	0.01698	0.02575	0.0051	0.00335	6.34E-05	7.68E-04	3.23E-05	1.06E-05	8.74E-04	5.76E-05	7.78E-10	4.30E-07	2.88E-07	5.84E-05	7.33E-05	7.68E-04	3.23E-05	1.06E-05	8.84E-04
5142	494863.09	3864377.25	0.0172	0.02667	0.0056	0.0033	6.42E-05	7.96E-04	3.57E-05	1.04E-05	9.06E-04	5.84E-05	8.05E-10	4.75E-07	2.84E-07	5.92E-05	7.42E-05	7.96E-04	3.57E-05	1.04E-05	9.16E-04
5143	495363.09	3864377.25	0.01664	0.02736	0.0058	0.00335	6.21E-05	8.16E-04	3.71E-05	1.06E-05	9.26E-04	5.65E-05	8.26E-10	4.95E-07	2.88E-07	5.73E-05	7.18E-05	8.16E-04	3.71E-05	1.06E-05	9.36E-04
5144	495863.09	3864377.25	0.01575	0.02805	0.0054	0.00343	5.88E-05	8.37E-04	3.47E-05	1.08E-05	9.41E-04	5.35E-05	8.47E-10	4.63E-07	2.95E-07	5.42E-05	6.80E-05	8.37E-04	3.47E-05	1.08E-05	9.50E-04
5145	496363.09	3864377.25	0.01502	0.02866	0.005	0.0035	5.60E-05	8.55E-04	3.16E-05	1.11E-05	9.54E-04	5.10E-05	8.65E-10	4.22E-07	3.01E-07	5.17E-05	6.48E-05	8.55E-04	3.16E-05	1.11E-05	9.63E-04
5146	496863.09	3864377.25	0.0147	0.02906	0.0047	0.00356	5.49E-05	8.67E-04	3.00E-05	1.12E-05	9.63E-04	4.99E-05	8.78E-10	4.00E-07	3.07E-07	5.06E-05	6.34E-05	8.67E-04	3.00E-05	1.12E-05	9.72E-04
5147	497363.09	3864377.25	0.01457	0.02934	0.0047	0.00352	5.44E-05	8.75E-04	2.99E-05	1.11E-05	9.71E-04	4.95E-05	8.86E-10	3.99E-07	3.03E-07	5.02E-05	6.29E-05	8.75E-04	2.99E-05	1.11E-05	9.79E-04
5148	497863.09	3864377.25	0.01468	0.02939	0.0051	0.00353	5.48E-05	8.77E-04	3.22E-05	1.11E-05	9.75E-04	4.98E-05	8.88E-10	4.29E-07	3.04E-07	5.06E-05	6.33E-05	8.77E-04	3.22E-05	1.11E-05	9.84E-04
5149	498363.09	3864377.25	0.01445	0.02889	0.0052	0.00337	5.39E-05	8.62E-04	3.30E-05	1.06E-05	9.59E-04	4.91E-05	8.72E-10	4.41E-07	2.90E-07	4.98E-05	6.24E-05	8.62E-04	3.30E-05	1.06E-05	9.68E-04
5150	471363.09	3864877.25	0.00744	0.00817	0.0038	0.00276	2.78E-05	2.44E-04	2.42E-05	8.71E-06	3.04E-04	2.53E-05	2.47E-10	3.23E-07	2.38E-07	2.58E-05	3.21E-05	2.44E-04	2.42E-05	8.71E-06	3.09E-04
5151	471863.09	3864877.25	0.00747	0.00847	0.0038	0.00279	2.79E-05	2.53E-04	2.39E-05	8.81E-06	3.13E-04	2.54E-05	2.56E-10	3.19E-07	2.40E-07	2.59E-05	3.22E-05	2.53E-04	2.39E-05	8.81E-06	3.18E-04
5152	472363.09	3864877.25	0.0075	0.00883	0.0038	0.00282	2.80E-05	2.63E-04	2.39E-05	8.90E-06	3.24E-04	2.55E-05	2.67E-10	3.19E-07	2.43E-07	2.60E-05	3.24E-05	2.63E-04	2.39E-05	8.90E-06	3.29E-04
5153	472863.09	3864877.25	0.00758	0.00923	0.0038	0.00285	2.83E-05	2.75E-04	2.44E-05	9.00E-06	3.37E-04	2.57E-05	2.79E-10	3.26E-07	2.45E-07	2.63E-05	3.27E-05	2.75E-04	2.44E-05	9.00E-06	3.41E-04
5154	473363.09	3864877.25	0.00769	0.00972	0.004	0.00288	2.87E-05	2.90E-04	2.57E-05	9.09E-06	3.53E-04	2.61E-05	2.94E-10	3.43E-07	2.48E-07	2.67E-05	3.32E-05	2.90E-04	2.57E-05	9.09E-06	3.58E-04
5155	473863.09	3864877.25	0.00787	0.01022	0.0042	0.0029	2.94E-05	3.05E-04	2.67E-05	9.16E-06	3.70E-04	2.67E-05	3.09E-10	3.56E-07	2.50E-07	2.73E-05	3.40E-05	3.05E-04	2.67E-05	9.16E-06	3.75E-04
5156	474363.09	3864877.25	0.0081	0.01071	0.0044	0.00291	3.02E-05	3.20E-04	2.81E-05	9.19E-06	3.87E-04	2.75E-05	3.23E-10	3.74E-07	2.51E-07	2.81E-05	3.50E-05	3.20E-04	2.81E-05	9.19E-06	3.92E-04
5157	474863.09	3864877.25	0.00835	0.0112	0.0046	0.00292	3.12E-05	3.34E-04	2.91E-05	9.22E-06	4.04E-04	2.83E-05	3.38E-10	3.89E-07	2.51E-07	2.90E-05	3.60E-05	3.34E-04	2.91E-05	9.22E-06	4.09E-04
5158	475363.09	3864877.25	0.00863	0.01163	0.0047	0.00293	3.22E-05	3.47E-04	2.98E-05	9.25E-06	4.18E-04	2.93E-05	3.51E-10	3.97E-07	2.52E-07	2.99E-05	3.72E-05	3.47E-04	2.98E-05	9.25E-06	4.23E-04
5159	475863.09	3864877.25	0.00894	0.01205	0.0047	0.00295	3.34E-05	3.59E-04	2.99E-05	9.31E-06	4.32E-04	3.04E-05	3.64E-10	3.99E-07	2.54E-07	3.10E-05	3.86E-05	3.59E-04	2.99E-05	9.31E-06	4.37E-04
5160	476363.09	3864877.25	0.00933	0.0125	0.0047	0.00298	3.48E-05	3.73E-04	3.01E-05	9.41E-06	4.47E-04	3.17E-05	3.77E-10	4.01E-07	2.57E-07	3.23E-05	4.03E-05	3.73E-04	3.01E-05	9.41E-06	4.53E-04
5161	476863.09	3864877.25	0.0098	0.01301	0.0048	0.00303	3.66E-05	3.88E-04	3.07E-05	9.57E-06	4.65E-04	3.33E-05	3.93E-10	4.10E-07	2.61E-07	3.39E-05	4.23E-05	3.88E-04	3.07E-05	9.57E-06	4.71E-04
5162	477363.09	3864877.25	0.01018	0.01364	0.0048	0.0031	3.80E-05	4.07E-04	3.06E-05	9.79E-06	4.85E-04	3.46E-05	4.12E-10	4.08E-07	2.67E-07	3.52E-05	4.39E-05	4.07E-04	3.06E-05	9.79E-06	4.91E-04
5163	477863.09	3864877.25	0.01053	0.01429	0.0048	0.00318	3.93E-05	4.26E-04	3.08E-05	1.00E-05	5.06E-04	3.57E-05	4.32E-10	4.11E-07	2.74E-07	3.64E-05	4.54E-05	4.26E-04	3.08E-05	1.00E-05	5.13E-04
5164	478363.09	3864877.25	0.01095	0.01492	0.0049	0.00328	4.09E-05	4.45E-04	3.12E-05	1.04E-05	5.28E-04	3.72E-05	4.51E-10	4.16E-07	2.82E-07	3.79E-05	4.73E-05	4.45E-04	3.12E-05	1.04E-05	5.34E-04
5165	478863.09	3864877.25	0.01152	0.01549	0.005	0.0034	4.30E-05	4.62E-04	3.16E-05	1.07E-05	5.47E-04	3.91E-05	4.68E-10	4.21E-07	2.93E-07	3.98E-05	4.97E-05	4.62E-04	3.16E-05	1.07E-05	5.54E-04
5166	479363.09	3864877.25	0.01216	0.01593	0.0049	0.00346	4.54E-05	4.75E-04	3.14E-05	1.09E-05	5.63E-04	4.13E-05	4.81E-10	4.19E-07	2.98E-07	4.20E-05	5.25E-05	4.75E-04	3.14E-05	1.09E-05	5.70E-04
5167	479863.09	3864877.25	0.01278	0.01631	0.0047	0.00342	4.77E-05	4.87E-04	3.00E-05	1.08E-05	5.75E-04	4.34E-05	4.93E-10	4.00E-07	2.94E-07	4.41E-05	5.51E-05	4.87E-04	3.00E-05	1.08E-05	5.83E-04
5168	480363.09	3864877.25	0.01325	0.01674	0.0044	0.00335	4.94E-05	4.99E-04	2.78E-05	1.06E-05	5.87E-04	4.50E-05	5.06E-10	3.71E-07	2.88E-07	4.56E-05	5.72E-05	4.99E-04	2.78E-05	1.06E-05	5.95E-04
5169	480863.09	3864877.25	0.01334	0.01726	0.004	0.00325	4.98E-05	5.15E-04	2.56E-05	1.03E-05	6.01E-04	4.53E-05	5.21E-10	3.41E-07	2.80E-07	4.59E-05	5.76E-05	5.15E-04	2.56E-05	1.03E-05	6.08E-04
5170	481363.09	3864877.25	0.01338	0.01796	0.0038	0.00322	4.99E-05	5.36E-04	2.44E-05	1.02E-05	6.20E-04	4.54E-05	5.42E-10	3.26E-07	2.77E-07	4.60E-05	5.77E-05	5.36E-04	2.44E-05	1.02E-05	6.28E-04
5171	481863.09	3864877.25	0.01358	0.01875	0.0037	0.00321	5.07E-05	5.59E-04	2.35E-05	1.01E-05	6.44E-04	4.61E-05	5.66E-10	3.13E-07	2.76E-07	4.67E-05	5.86E-05	5.59E-04	2.35E-05	1.01E-05	6.52E-04
5172	482363.09	3864877.25	0.01387	0.0195	0.0035	0.00322	5.18E-05	5.82E-04	2.23E-05	1.02E-05	6.66E-04	4.71E-05	5.89E-10	2.97E-07	2.77E-07	4.77E-05	5.99E-05	5.82E-04	2.23E-05	1.02E-05	6.74E-04
5173	482863.09	3864877.25	0.01391	0.02033	0.0033	0.00326	5.19E-05	6.07E-04	2.12E-05	1.03E-05	6.90E-04	4.72E-05	6.14E-10	2.82E-07	2.81E-07	4.78E-05	6.00E-05	6.07E-04	2.12E-05	1.03E-05	6.98E-04
5174	483363.09	3864877.25	0.0137	0.02125	0.0037	0.00333	5.11E-05	6.34E-04	2.33E-05	1.05E-05	7.19E-04	4.65E-05	6.42E-10	3.11E-07	2.87E-07	4.71E-05	5.91E-05	6.34E-04	2.33E-05	1.05E-05	7.27E-04
5175	483863.09	3864877.25	0.0137	0.02178	0.0047	0.00333	5.11E-05	6.50E-04	2.97E-05	1.05E-05	7.41E-04	4.65E-05	6.58E-10	3.95E-07	2.87E-07	4.72E-05	5.91E-05	6.50E-04	2.97E-05	1.05E-05	7.49E-04
5176	484363.09	3864877.25	0.01396	0.02214	0.005	0.00318	5.21E-05	6.61E-04	3.16E-05	1.00E-05	7.54E-04	4.74E-05	6.69E-10	4.22E-07	2.74E-07	4.81E-05	6.02E-05	6.61E-04	3.16E-05	1.00E-05	7.62E-04
5177	484863.09	3864877.25	0.01383	0.02298	0.0039	0.00305	5.16E-05	6.86E-04	2.46E-05	9.63E-06	7.71E-04	4.70E-05	6.94E-10	3.27E-07	2.63E-07	4.75E-05	5.97E-05	6.86E-04	2.46E-05	9.63E-06	7.79E-04
5178	485363.09	3864877.25	0.0132	0.02402	0.0031	0.00307	4.93E-05	7.17E-04	2.00E-05	9.69E-06	7.96E-04	4.48E-05	7.25E-10	2.66E-07	2.64E-07	4.53E-05	5.70E-05	7.17E-04	2.00E-05	9.69E-06	8.03E-04
5179	485863.09	3864877.25	0.01266	0.02413	0.0033	0.00298	4.72E-05	7.20E-04	2.09E-05	9.41E-06	7.97E-04	4.30E-05	7.29E-10	2.79E-07	2.57E-07	4.35E-05	5.46E-05	7.20E-04	2.09E-05	9.41E-06	8.05E-04
5180	486363.09	3864877.25	0.01224	0.02397	0.0031	0.00288	4.57E-05	7.15E-04	1.99E-05	9.09E-06	7.90E-04	4.16E-05	7.24E-10	2.65E-07	2.48E-07	4.21E-05	5.28E-05	7.15E-04	1.99E-05	9.09E-06	7.97E-04
5181	486863.09	3864877.25	0.01197	0.02404	0.0036	0.00288	4.47E-05	7.17E-04	2.28E-05	9.09E-06	7.94E-04	4.06E-05	7.26E-10	3.04E-07	2.48E-07	4.12E-05	5.17E-05	7.17E-04	2.28E-05	9.09E-06	8.01E-04

5182	487363.09	3864877.25	0.0122	0.02342	0.0045	0.00288	4.55E-05	6.99E-04	2.84E-05	9.09E-06	7.82E-04	4.14E-05	7.07E-10	3.79E-07	2.48E-07	4.20E-05	5.26E-05	6.99E-04	2.84E-05	9.09E-06	7.89E-04
5183	487863.09	3864877.25	0.01284	0.0232	0.0048	0.00299	4.79E-05	6.92E-04	3.06E-05	9.44E-06	7.80E-04	4.36E-05	7.01E-10	4.08E-07	2.57E-07	4.43E-05	5.54E-05	6.92E-04	3.06E-05	9.44E-06	7.88E-04
5184	488363.09	3864877.25	0.01325	0.023	0.0045	0.00305	4.94E-05	6.86E-04	2.84E-05	9.63E-06	7.74E-04	4.50E-05	6.95E-10	3.79E-07	2.63E-07	4.56E-05	5.72E-05	6.86E-04	2.84E-05	9.63E-06	7.81E-04
5185	488863.09	3864877.25	0.01323	0.02295	0.0034	0.00286	4.94E-05	6.85E-04	2.15E-05	9.03E-06	7.65E-04	4.49E-05	6.93E-10	2.87E-07	2.46E-07	4.54E-05	5.71E-05	6.85E-04	2.15E-05	9.03E-06	7.72E-04
5186	489363.09	3864877.25	0.01276	0.02323	0.003	0.00277	4.76E-05	6.93E-04	1.89E-05	8.75E-06	7.68E-04	4.33E-05	7.02E-10	2.52E-07	2.39E-07	4.38E-05	5.51E-05	6.93E-04	1.89E-05	8.75E-06	7.76E-04
5187	489863.09	3864877.25	0.01239	0.02354	0.003	0.00279	4.62E-05	7.02E-04	1.93E-05	8.81E-06	7.77E-04	4.21E-05	7.11E-10	2.57E-07	2.40E-07	4.26E-05	5.35E-05	7.02E-04	1.93E-05	8.81E-06	7.84E-04
5188	490363.09	3864877.25	0.01264	0.02376	0.0026	0.00285	4.72E-05	7.09E-04	1.66E-05	9.00E-06	7.82E-04	4.29E-05	7.18E-10	2.22E-07	2.45E-07	4.34E-05	5.45E-05	7.09E-04	1.66E-05	9.00E-06	7.89E-04
5189	490863.09	3864877.25	0.01402	0.02225	0.0025	0.00302	5.23E-05	6.64E-04	1.58E-05	9.54E-06	7.41E-04	4.76E-05	6.72E-10	2.10E-07	2.60E-07	4.81E-05	6.05E-05	6.64E-04	1.58E-05	9.54E-06	7.50E-04
5190	491363.09	3864877.25	0.01418	0.02421	0.0029	0.00331	5.29E-05	7.22E-04	1.84E-05	1.05E-05	8.04E-04	4.81E-05	7.31E-10	2.45E-07	2.85E-07	4.87E-05	6.12E-05	7.22E-04	1.84E-05	1.05E-05	8.12E-04
5191	491863.09	3864877.25	0.01417	0.02198	0.0033	0.0035	5.29E-05	6.56E-04	2.12E-05	1.11E-05	7.41E-04	4.81E-05	6.64E-10	2.82E-07	3.01E-07	4.87E-05	6.11E-05	6.56E-04	2.12E-05	1.11E-05	7.49E-04
5192	492363.09	3864877.25	0.00702	0.0069	0.0036	0.00283	2.62E-05	2.06E-04	2.28E-05	8.94E-06	2.64E-04	2.38E-05	2.08E-10	3.04E-07	2.44E-07	2.44E-05	3.03E-05	2.06E-04	2.28E-05	8.94E-06	2.68E-04
5193	492863.09	3864877.25	0.01023	0.00953	0.0048	0.00307	3.82E-05	2.84E-04	3.08E-05	9.69E-06	3.63E-04	3.47E-05	2.88E-10	4.11E-07	2.64E-07	3.54E-05	4.41E-05	2.84E-04	3.08E-05	9.69E-06	3.69E-04
5194	493363.09	3864877.25	0.00972	0.00988	0.0051	0.00302	3.63E-05	2.95E-04	3.26E-05	9.54E-06	3.73E-04	3.30E-05	2.98E-10	4.35E-07	2.60E-07	3.37E-05	4.19E-05	2.95E-04	3.26E-05	9.54E-06	3.79E-04
5195	493863.09	3864877.25	0.01343	0.01996	0.0065	0.00354	5.01E-05	5.95E-04	4.11E-05	1.12E-05	6.98E-04	4.56E-05	6.03E-10	5.49E-07	3.05E-07	4.64E-05	5.80E-05	5.95E-04	4.11E-05	1.12E-05	7.06E-04
5196	494363.09	3864877.25	0.01449	0.02229	0.0048	0.00327	5.41E-05	6.65E-04	3.05E-05	1.03E-05	7.60E-04	4.92E-05	6.73E-10	4.07E-07	2.82E-07	4.99E-05	6.25E-05	6.65E-04	3.05E-05	1.03E-05	7.68E-04
5197	494863.09	3864877.25	0.01538	0.02238	0.0047	0.00309	5.74E-05	6.68E-04	3.00E-05	9.76E-06	7.65E-04	5.22E-05	6.76E-10	4.00E-07	2.66E-07	5.29E-05	6.64E-05	6.68E-04	3.00E-05	9.76E-06	7.74E-04
5198	495363.09	3864877.25	0.01564	0.02277	0.0052	0.003	5.84E-05	6.79E-04	3.30E-05	9.47E-06	7.80E-04	5.31E-05	6.88E-10	4.41E-07	2.58E-07	5.38E-05	6.75E-05	6.79E-04	3.30E-05	9.47E-06	7.89E-04
5199	495863.09	3864877.25	0.01515	0.02347	0.0055	0.00305	5.65E-05	7.00E-04	3.53E-05	9.63E-06	8.02E-04	5.14E-05	7.09E-10	4.71E-07	2.63E-07	5.22E-05	6.54E-05	7.00E-04	3.53E-05	9.63E-06	8.11E-04
5200	496363.09	3864877.25	0.01447	0.02372	0.0051	0.00311	5.40E-05	7.08E-04	3.27E-05	9.82E-06	8.04E-04	4.91E-05	7.16E-10	4.36E-07	2.68E-07	4.98E-05	6.24E-05	7.08E-04	3.27E-05	9.82E-06	8.13E-04
5201	496863.09	3864877.25	0.01378	0.02429	0.0047	0.00318	5.14E-05	7.25E-04	2.97E-05	1.00E-05	8.16E-04	4.68E-05	7.34E-10	3.96E-07	2.74E-07	4.75E-05	5.95E-05	7.25E-04	2.97E-05	1.00E-05	8.24E-04
5202	497363.09	3864877.25	0.01339	0.02482	0.0044	0.00325	5.00E-05	7.40E-04	2.82E-05	1.03E-05	8.29E-04	4.55E-05	7.50E-10	3.76E-07	2.80E-07	4.61E-05	5.78E-05	7.40E-04	2.82E-05	1.03E-05	8.37E-04
5203	497863.09	3864877.25	0.01333	0.02516	0.0044	0.00327	4.97E-05	7.51E-04	2.83E-05	1.03E-05	8.39E-04	4.53E-05	7.60E-10	3.78E-07	2.82E-07	4.59E-05	5.75E-05	7.51E-04	2.83E-05	1.03E-05	8.47E-04
5204	498363.09	3864877.25	0.01328	0.02546	0.0045	0.00323	4.96E-05	7.60E-04	2.88E-05	1.02E-05	8.48E-04	4.51E-05	7.69E-10	3.84E-07	2.78E-07	4.57E-05	5.73E-05	7.60E-04	2.88E-05	1.02E-05	8.56E-04
5205	471363.09	3865377.25	0.00678	0.00798	0.0036	0.00266	2.53E-05	2.38E-04	2.26E-05	8.40E-06	2.94E-04	2.30E-05	2.41E-10	3.02E-07	2.29E-07	2.35E-05	2.93E-05	2.38E-04	2.26E-05	8.40E-06	2.98E-04
5206	471863.09	3865377.25	0.00683	0.00832	0.0036	0.00269	2.55E-05	2.48E-04	2.31E-05	8.49E-06	3.05E-04	2.32E-05	2.51E-10	3.08E-07	2.32E-07	2.37E-05	2.95E-05	2.48E-04	2.31E-05	8.49E-06	3.09E-04
5207	472363.09	3865377.25	0.00694	0.0087	0.0038	0.00272	2.59E-05	2.60E-04	2.41E-05	8.59E-06	3.18E-04	2.36E-05	2.63E-10	3.21E-07	2.34E-07	2.41E-05	2.99E-05	2.60E-04	2.41E-05	8.59E-06	3.22E-04
5208	472863.09	3865377.25	0.00711	0.00908	0.004	0.00274	2.65E-05	2.71E-04	2.52E-05	8.65E-06	3.31E-04	2.41E-05	2.74E-10	3.36E-07	2.36E-07	2.47E-05	3.07E-05	2.71E-04	2.52E-05	8.65E-06	3.35E-04
5209	473363.09	3865377.25	0.00728	0.00951	0.0041	0.00277	2.72E-05	2.84E-04	2.63E-05	8.75E-06	3.46E-04	2.47E-05	2.87E-10	3.50E-07	2.39E-07	2.53E-05	3.14E-05	2.84E-04	2.63E-05	8.75E-06	3.50E-04
5210	473863.09	3865377.25	0.00748	0.0099	0.0042	0.00277	2.79E-05	2.95E-04	2.70E-05	8.75E-06	3.59E-04	2.54E-05	2.99E-10	3.61E-07	2.39E-07	2.60E-05	3.23E-05	2.95E-04	2.70E-05	8.75E-06	3.63E-04
5211	474363.09	3865377.25	0.0077	0.01026	0.0043	0.00277	2.87E-05	3.06E-04	2.76E-05	8.75E-06	3.71E-04	2.61E-05	3.10E-10	3.68E-07	2.39E-07	2.67E-05	3.32E-05	3.06E-04	2.76E-05	8.75E-06	3.76E-04
5212	474863.09	3865377.25	0.00794	0.0106	0.0044	0.00276	2.96E-05	3.16E-04	2.81E-05	8.71E-06	3.83E-04	2.70E-05	3.20E-10	3.74E-07	2.38E-07	2.76E-05	3.43E-05	3.16E-04	2.81E-05	8.71E-06	3.87E-04
5213	475363.09	3865377.25	0.00817	0.01096	0.0044	0.00278	3.05E-05	3.27E-04	2.79E-05	8.78E-06	3.94E-04	2.77E-05	3.31E-10	3.72E-07	2.39E-07	2.83E-05	3.53E-05	3.27E-04	2.79E-05	8.78E-06	3.99E-04
5214	475863.09	3865377.25	0.00849	0.01135	0.0044	0.00281	3.17E-05	3.39E-04	2.81E-05	8.87E-06	4.07E-04	2.88E-05	3.43E-10	3.74E-07	2.42E-07	2.94E-05	3.66E-05	3.39E-04	2.81E-05	8.87E-06	4.12E-04
5215	476363.09	3865377.25	0.00899	0.01165	0.0046	0.00285	3.35E-05	3.48E-04	2.91E-05	9.00E-06	4.19E-04	3.05E-05	3.52E-10	3.89E-07	2.45E-07	3.12E-05	3.88E-05	3.48E-04	2.91E-05	9.00E-06	4.25E-04
5216	476863.09	3865377.25	0.00942	0.01106	0.0048	0.00296	3.52E-05	3.30E-04	3.04E-05	9.35E-06	4.05E-04	3.20E-05	3.34E-10	4.06E-07	2.55E-07	3.26E-05	4.06E-05	3.30E-04	3.04E-05	9.35E-06	4.10E-04
5217	477363.09	3865377.25	0.00968	0.01272	0.0047	0.00299	3.61E-05	3.79E-04	3.02E-05	9.44E-06	4.55E-04	3.29E-05	3.84E-10	4.02E-07	2.57E-07	3.35E-05	4.18E-05	3.79E-04	3.02E-05	9.44E-06	4.61E-04
5218	477863.09	3865377.25	0.00993	0.01334	0.0046	0.0031	3.71E-05	3.98E-04	2.95E-05	9.79E-06	4.74E-04	3.37E-05	4.03E-10	3.93E-07	2.67E-07	3.44E-05	4.28E-05	3.98E-04	2.95E-05	9.79E-06	4.80E-04
5219	478363.09	3865377.25	0.01041	0.01379	0.0047	0.0032	3.88E-05	4.11E-04	2.99E-05	1.01E-05	4.90E-04	3.53E-05	4.16E-10	3.98E-07	2.76E-07	3.60E-05	4.49E-05	4.11E-04	2.99E-05	1.01E-05	4.96E-04
5220	478863.09	3865377.25	0.01094	0.01412	0.0046	0.00324	4.08E-05	4.21E-04	2.93E-05	1.02E-05	5.02E-04	3.71E-05	4.26E-10	3.90E-07	2.79E-07	3.78E-05	4.72E-05	4.21E-04	2.93E-05	1.02E-05	5.08E-04
5221	479363.09	3865377.25	0.01147	0.01437	0.0043	0.00322	4.28E-05	4.29E-04	2.77E-05	1.02E-05	5.09E-04	3.89E-05	4.34E-10	3.69E-07	2.77E-07	3.96E-05	4.95E-05	4.29E-04	2.77E-05	1.02E-05	5.16E-04
5222	479863.09	3865377.25	0.01194	0.01471	0.004	0.00315	4.46E-05	4.39E-04	2.56E-05	9.95E-06	5.19E-04	4.05E-05	4.44E-10	3.41E-07	2.71E-07	4.11E-05	5.15E-05	4.39E-04	2.56E-05	9.95E-06	5.26E-04
5223	480363.09	3865377.25	0.01213	0.01519	0.0037	0.00304	4.53E-05	4.53E-04	2.37E-05	9.60E-06	5.32E-04	4.12E-05	4.59E-10	3.16E-07	2.62E-07	4.18E-05	5.23E-05	4.53E-04	2.37E-05	9.60E-06	5.39E-04
5224	480863.09	3865377.25	0.01217	0.01581	0.0035	0.00299	4.54E-05	4.72E-04	2.26E-05	9.44E-06	5.49E-04	4.13E-05	4.77E-10	3.01E-07	2.57E-07	4.19E-05	5.25E-05	4.72E-04	2.26E-05	9.44E-06	5.56E-04
5225	481363.09	3865377.25	0.01225	0.01648	0.0034	0.00296	4.57E-05	4.92E-04	2.19E-05	9.35E-06	5.69E-04	4.16E-05	4.98E-10	2.92E-07	2.55E-07	4.21E-05	5.29E-05	4.92E-04	2.19E-05	9.35E-06	5.76E-04
5226	481863.09	3865377.25	0.01242	0.0171	0.0033	0.00293	4.63E-05	5.10E-04	2.09E-05	9.25E-06	5.87E-04	4.22E-05	5.16E-10	2.78E-07	2.52E-07	4.27E-05	5.36E-05	5.10E-04	2.09E-05	9.25E-06	5.94E-04
5227	482363.09	3865377.25	0.0126	0.01774	0.0031	0.00293	4.70E-05	5.29E-04	1.98E-05	9.25E-06	6.05E-04	4.28E-05	5.36E-10	2.64E-07	2.52E-07	4.33E-05	5.44E-05	5.29E-04	1.98E-05	9.25E-06	6.13E-04
5228	482863.09	3865377.25	0.01253	0.01857	0.0033	0.00301	4.68E-05	5.54E-04	2.07E-05	9.50E-06	6.31E-04	4.25E-05	5.61E-10	2.76E-07	2.59E-07	4.31E-05	5.41E-05	5.54E-04	2.07E-05	9.50E-06	6.38E-04
5229	483363.09	3865377.25	0.01239	0.01928	0.0041	0.0031	4.62E-05	5.75E-04	2.60E-05	9.79E-06	6.57E-04	4.21E-05	5.82E-10	3.47E-07	2.67E-07	4.27E-05	5.35E-05	5.75E-04	2.60E-05	9.79E-06	6.64E-04
5230	483863.09	3865377.25	0.01254	0.01948	0.0049	0.00306	4.68E-05	5.81E-04	3.10E-05	9.66E-06	6.69E-04	4.26E-05	5.88E-10	4.13E-07	2.63E-07	4.33E-05	5.41E-05	5.81E-04	3.10E-05	9.66E-06	6.76E-04
5231	484363.09	3865377.25	0.01277	0.01982	0.0043	0.00294	4.77E-05	5.91E-04	2.75E-05	9.28E-06	6.76E-04	4.34E-05	5.99E-10	3.67E-07	2.53E-07	4.40E-05	5.51E-05	5.91E-04	2.75E-05	9.28E-06	6.83E-04
5232	484863.09	3865377.25	0.01257	0.02059	0.0032	0.00292	4.69E-05	6.14E-04	2.06E-05	9.22E-06	6.91E-04	4.27E-05	6.22E-10	2.75E-07	2.51E-07	4.32E-05	5.42E-05	6.14E-04	2.06E-05	9.22E-06	6.98E-04
5233	485363.09	3865377.25	0.01202	0.0211	0.003	0.00288	4.49E-05	6.29E-04	1.93E-05	9.09E-06	7.03E-04	4.08E-05	6.37E-10	2.58E-07	2.48E-07	4.13E-05	5.19E-05	6.29E-04	1.93E-05	9.09E-06	7.10E-04
5234	485863.09	3865377.25	0.01156	0.02089	0.0031	0.00271	4.31E-05	6.23E-04	2.00E-05	8.56E-06	6.95E-04	3.92E-05	6.31E-10	2.66E-07	2.33E-07	3.97E-05	4.99E-05	6.23E-04	2.00E-05	8.56E-06	7.02E-04
5235	486363.09	3865377.25	0.01117	0.02107	0.003	0.0027	4.17E-05	6.29E-04	1.89E-05	8.52E-06	6.98E-04	3.79E-05	6.36E-10	2.52E-07	2.32E-07	3.84E-05	4.82E-05	6.29E-04	1.89E-05	8.52E-06	7.04E-04
5236	486863.09	3865377.25	0.01087	0.02106	0.0035	0.00271	4.06E-05	6.28E-04	2.25E-05	8.56E-06	7.00E-04	3.69E-05	6.36E-10	3.00E-07	2.33E-07	3.74E-05	4.69E-05	6.28E-04	2.25E-05	8.56E-06	7.06E-04
5237	487363.09	3865377.25	0.01103	0.02047	0.0043	0.00273	4.12E-05	6.11E-04	2.76E-05	8.62E-06	6.88E-04	3.74E-05	6.18E-10	3.67E-07	2.35E-07	3.81E-05	4.76E-05	6.11E-04	2.76E-05	8.62E-06	6.94E-04
5238	487863.09	3865377.25	0.01163	0.0202	0.0046	0.0028	4.34E-05	6.03E-04	2.91E-05	8.84E-06	6.84E-04	3.95E-05	6.10E-10	3.88E-07	2.41E-07	4.01E-05	5.02E-05	6.03E-04	2.91E-05	8.84E-06	6.91E-04
5239	488363.09	3865377.25	0.01209	0.01997	0.0043	0.00282	4.51E-05	5.96E-04	2.71E-05	8.90E-06	6.77E-04	4.10E-05	6.03E-10	3.61E-07	2.43E-07	4.17E-05	5.22E-05	5.96E-04	2.71E-05	8.90E-06	6.84E-04
5240	488863.09	3865377.25	0.01221	0.01997	0.0033	0.00265	4.56E-05	5.96E-04	2.09E-05	8.37E-06	6.71E-04	4.15E-05	6.03E-10	2.78E-07	2.28E-07	4.20E-05	5.27E-05	5.96E-04	2.09E-05	8.37E-06	6.78E-04
5241	489363.09	3865377.25	0.01189	0.02034	0.0028	0.00255	4.44E-05	6.07E-04	1.79E-05	8.05E-06	6.77E-04	4.04E-05	6.14E-10	2.39E-07	2.20E-07	4.08E-05	5.13E-05	6.07E-04	1.79E-05	8.05E-06	6.84E-04
5242	489863.09	3865377.25	0.01153	0.02065	0.003	0.0026	4.30E-05	6.16E-04	1.89E-05	8.21E-06	6.86E-04	3.91E-05	6.24E-10	2.52E-07	2.24E-07	3.96E-05	4.98E-05	6.16E-04	1.89E-05	8.21E-06	6.93E-04

5243	490363.09	3865377.25	0.01186	0.01967	0.0028	0.00258	4.43E-05	5.87E-04	1.78E-05	8.15E-06	6.57E-04	4.03E-05	5.94E-10	2.37E-07	2.22E-07	4.07E-05	5.12E-05	5.87E-04	1.78E-05	8.15E-06	6.64E-04
5244	490863.09	3865377.25	0.0124	0.01896	0.0023	0.00269	4.63E-05	5.66E-04	1.47E-05	8.49E-06	6.35E-04	4.21E-05	5.73E-10	1.96E-07	2.32E-07	4.25E-05	5.35E-05	5.66E-04	1.47E-05	8.49E-06	6.42E-04
5245	491363.09	3865377.25	0.01305	0.01847	0.0024	0.00291	4.87E-05	5.51E-04	1.53E-05	9.19E-06	6.24E-04	4.43E-05	5.58E-10	2.04E-07	2.51E-07	4.48E-05	5.63E-05	5.51E-04	1.53E-05	9.19E-06	6.32E-04
5246	491863.09	3865377.25	0.01308	0.0189	0.0028	0.00319	4.88E-05	5.64E-04	1.76E-05	1.01E-05	6.40E-04	4.44E-05	5.71E-10	2.35E-07	2.75E-07	4.49E-05	5.64E-05	5.64E-04	1.76E-05	1.01E-05	6.48E-04
5247	492363.09	3865377.25	0.01179	0.01369	0.0034	0.00391	4.40E-05	4.08E-04	2.15E-05	1.23E-05	4.86E-04	4.00E-05	4.13E-10	2.87E-07	3.37E-07	4.07E-05	5.09E-05	4.08E-04	2.15E-05	1.23E-05	4.93E-04
5248	492863.09	3865377.25	0.01062	0.00983	0.0041	0.00311	3.96E-05	2.93E-04	2.63E-05	9.82E-06	3.69E-04	3.61E-05	2.97E-10	3.51E-07	2.68E-07	3.67E-05	4.58E-05	2.93E-04	2.63E-05	9.82E-06	3.75E-04
5249	493363.09	3865377.25	0.00902	0.00831	0.0044	0.0027	3.37E-05	2.48E-04	2.77E-05	8.52E-06	3.18E-04	3.06E-05	2.51E-10	3.70E-07	2.32E-07	3.12E-05	3.89E-05	2.48E-04	2.77E-05	8.52E-06	3.23E-04
5250	493863.09	3865377.25	0.0122	0.01353	0.0071	0.00323	4.55E-05	4.04E-04	4.52E-05	1.02E-05	5.05E-04	4.14E-05	4.09E-10	6.02E-07	2.78E-07	4.23E-05	5.26E-05	4.04E-04	4.52E-05	1.02E-05	5.12E-04
5251	494363.09	3865377.25	0.01227	0.01852	0.0053	0.00321	4.58E-05	5.53E-04	3.37E-05	1.01E-05	6.42E-04	4.17E-05	5.59E-10	4.50E-07	2.76E-07	4.24E-05	5.29E-05	5.53E-04	3.37E-05	1.01E-05	6.49E-04
5252	494863.09	3865377.25	0.01314	0.01958	0.0045	0.00307	4.90E-05	5.84E-04	2.84E-05	9.69E-06	6.71E-04	4.46E-05	5.91E-10	3.78E-07	2.64E-07	4.53E-05	5.67E-05	5.84E-04	2.84E-05	9.69E-06	6.79E-04
5253	495363.09	3865377.25	0.014	0.01951	0.0044	0.00288	5.22E-05	5.82E-04	2.79E-05	9.09E-06	6.71E-04	4.75E-05	5.89E-10	3.73E-07	2.48E-07	4.82E-05	6.04E-05	5.82E-04	2.79E-05	9.09E-06	6.79E-04
5254	495863.09	3865377.25	0.01427	0.01997	0.0049	0.00277	5.32E-05	5.96E-04	3.10E-05	8.75E-06	6.89E-04	4.84E-05	6.03E-10	4.13E-07	2.39E-07	4.91E-05	6.16E-05	5.96E-04	3.10E-05	8.75E-06	6.97E-04
5255	496363.09	3865377.25	0.01402	0.01981	0.0051	0.00277	5.23E-05	5.91E-04	3.24E-05	8.75E-06	6.84E-04	4.76E-05	5.98E-10	4.32E-07	2.39E-07	4.83E-05	6.05E-05	5.91E-04	3.24E-05	8.75E-06	6.93E-04
5256	496863.09	3865377.25	0.01339	0.01995	0.0048	0.00284	5.00E-05	5.95E-04	3.06E-05	8.97E-06	6.85E-04	4.55E-05	6.02E-10	4.07E-07	2.45E-07	4.61E-05	5.78E-05	5.95E-04	3.06E-05	8.97E-06	6.92E-04
5257	497363.09	3865377.25	0.0127	0.02082	0.0044	0.00291	4.74E-05	6.21E-04	2.81E-05	9.19E-06	7.06E-04	4.31E-05	6.29E-10	3.74E-07	2.51E-07	4.37E-05	5.48E-05	6.21E-04	2.81E-05	9.19E-06	7.13E-04
5258	497863.09	3865377.25	0.01229	0.02135	0.0042	0.00298	4.59E-05	6.37E-04	2.65E-05	9.41E-06	7.19E-04	4.17E-05	6.45E-10	3.54E-07	2.57E-07	4.23E-05	5.30E-05	6.37E-04	2.65E-05	9.41E-06	7.26E-04
5259	498363.09	3865377.25	0.01221	0.02157	0.0041	0.00299	4.56E-05	6.44E-04	2.61E-05	9.44E-06	7.25E-04	4.15E-05	6.51E-10	3.48E-07	2.57E-07	4.21E-05	5.27E-05	6.44E-04	2.61E-05	9.44E-06	7.32E-04
5260	471363.09	3865877.25	0.00628	0.00786	0.0036	0.00258	2.34E-05	2.34E-04	2.28E-05	8.15E-06	2.89E-04	2.13E-05	2.37E-10	3.04E-07	2.22E-07	2.18E-05	2.71E-05	2.34E-04	2.28E-05	8.15E-06	2.93E-04
5261	471863.09	3865877.25	0.00641	0.00819	0.0037	0.00261	2.39E-05	2.44E-04	2.39E-05	8.24E-06	3.00E-04	2.18E-05	2.47E-10	3.18E-07	2.25E-07	2.23E-05	2.77E-05	2.44E-04	2.39E-05	8.24E-06	3.04E-04
5262	472363.09	3865877.25	0.00662	0.00848	0.0039	0.00262	2.47E-05	2.53E-04	2.49E-05	8.27E-06	3.11E-04	2.25E-05	2.56E-10	3.32E-07	2.26E-07	2.30E-05	2.86E-05	2.53E-04	2.49E-05	8.27E-06	3.15E-04
5263	472863.09	3865877.25	0.00677	0.00882	0.004	0.00263	2.53E-05	2.63E-04	2.56E-05	8.30E-06	3.22E-04	2.30E-05	2.66E-10	3.41E-07	2.26E-07	2.36E-05	2.92E-05	2.63E-04	2.56E-05	8.30E-06	3.26E-04
5264	473363.09	3865877.25	0.00694	0.00913	0.0041	0.00263	2.59E-05	2.72E-04	2.59E-05	8.30E-06	3.32E-04	2.36E-05	2.76E-10	3.45E-07	2.26E-07	2.41E-05	2.99E-05	2.72E-04	2.59E-05	8.30E-06	3.37E-04
5265	473863.09	3865877.25	0.00713	0.00942	0.0041	0.00262	2.66E-05	2.81E-04	2.62E-05	8.27E-06	3.42E-04	2.42E-05	2.84E-10	3.50E-07	2.26E-07	2.48E-05	3.08E-05	2.81E-04	2.62E-05	8.27E-06	3.46E-04
5266	474363.09	3865877.25	0.00731	0.0097	0.0041	0.00261	2.73E-05	2.89E-04	2.63E-05	8.24E-06	3.51E-04	2.48E-05	2.93E-10	3.50E-07	2.25E-07	2.54E-05	3.15E-05	2.89E-04	2.63E-05	8.24E-06	3.55E-04
5267	474863.09	3865877.25	0.00753	0.01	0.0042	0.00263	2.81E-05	2.98E-04	2.65E-05	8.30E-06	3.61E-04	2.56E-05	3.02E-10	3.54E-07	2.26E-07	2.61E-05	3.25E-05	2.98E-04	2.65E-05	8.30E-06	3.66E-04
5268	475363.09	3865877.25	0.00779	0.01035	0.0042	0.00267	2.91E-05	3.09E-04	2.66E-05	8.43E-06	3.73E-04	2.64E-05	3.13E-10	3.55E-07	2.30E-07	2.70E-05	3.36E-05	3.09E-04	2.66E-05	8.43E-06	3.77E-04
5269	475863.09	3865877.25	0.00812	0.01074	0.0042	0.00273	3.03E-05	3.20E-04	2.69E-05	8.62E-06	3.86E-04	2.76E-05	3.24E-10	3.59E-07	2.35E-07	2.82E-05	3.50E-05	3.20E-04	2.69E-05	8.62E-06	3.91E-04
5270	476363.09	3865877.25	0.00861	0.01081	0.0044	0.00276	3.21E-05	3.22E-04	2.81E-05	8.71E-06	3.91E-04	2.92E-05	3.26E-10	3.75E-07	2.38E-07	2.98E-05	3.72E-05	3.22E-04	2.81E-05	8.71E-06	3.96E-04
5271	476863.09	3865877.25	0.00892	0.0104	0.0046	0.00286	3.33E-05	3.10E-04	2.93E-05	9.03E-06	3.82E-04	3.03E-05	3.14E-10	3.90E-07	2.46E-07	3.09E-05	3.85E-05	3.10E-04	2.93E-05	9.03E-06	3.87E-04
5272	477363.09	3865877.25	0.00921	0.01183	0.0046	0.0029	3.44E-05	3.53E-04	2.92E-05	9.16E-06	4.26E-04	3.13E-05	3.57E-10	3.90E-07	2.50E-07	3.19E-05	3.97E-05	3.53E-04	2.92E-05	9.16E-06	4.31E-04
5273	477863.09	3865877.25	0.00949	0.0123	0.0045	0.00301	3.54E-05	3.67E-04	2.84E-05	9.50E-06	4.40E-04	3.22E-05	3.71E-10	3.79E-07	2.59E-07	3.29E-05	4.10E-05	3.67E-04	2.84E-05	9.50E-06	4.46E-04
5274	478363.09	3865877.25	0.00994	0.01257	0.0043	0.00306	3.71E-05	3.75E-04	2.77E-05	9.66E-06	4.49E-04	3.37E-05	3.80E-10	3.69E-07	2.63E-07	3.44E-05	4.29E-05	3.75E-04	2.77E-05	9.66E-06	4.55E-04
5275	478863.09	3865877.25	0.0104	0.0128	0.0041	0.00305	3.88E-05	3.82E-04	2.58E-05	9.63E-06	4.56E-04	3.53E-05	3.87E-10	3.44E-07	2.63E-07	3.59E-05	4.49E-05	3.82E-04	2.58E-05	9.63E-06	4.62E-04
5276	479363.09	3865877.25	0.01081	0.0131	0.0037	0.00299	4.03E-05	3.91E-04	2.37E-05	9.44E-06	4.64E-04	3.67E-05	3.96E-10	3.16E-07	2.57E-07	3.73E-05	4.66E-05	3.91E-04	2.37E-05	9.44E-06	4.71E-04
5277	479863.09	3865877.25	0.01107	0.01354	0.0035	0.00289	4.13E-05	4.04E-04	2.21E-05	9.12E-06	4.76E-04	3.76E-05	4.09E-10	2.94E-07	2.49E-07	3.81E-05	4.78E-05	4.04E-04	2.21E-05	9.12E-06	4.83E-04
5278	480363.09	3865877.25	0.01117	0.01409	0.0033	0.00281	4.17E-05	4.20E-04	2.11E-05	8.87E-06	4.92E-04	3.79E-05	4.25E-10	2.82E-07	2.42E-07	3.84E-05	4.82E-05	4.20E-04	2.11E-05	8.87E-06	4.99E-04
5279	480863.09	3865877.25	0.01122	0.01464	0.0032	0.00276	4.19E-05	4.37E-04	2.05E-05	8.71E-06	5.08E-04	3.81E-05	4.42E-10	2.73E-07	2.38E-07	3.86E-05	4.84E-05	4.37E-04	2.05E-05	8.71E-06	5.14E-04
5280	481363.09	3865877.25	0.01126	0.01512	0.0031	0.00271	4.20E-05	4.51E-04	1.96E-05	8.56E-06	5.21E-04	3.82E-05	4.57E-10	2.62E-07	2.33E-07	3.87E-05	4.86E-05	4.51E-04	1.96E-05	8.56E-06	5.28E-04
5281	481863.09	3865877.25	0.01139	0.01564	0.0029	0.00268	4.25E-05	4.67E-04	1.86E-05	8.46E-06	5.36E-04	3.87E-05	4.72E-10	2.48E-07	2.31E-07	3.91E-05	4.91E-05	4.67E-04	1.86E-05	8.46E-06	5.43E-04
5282	482363.09	3865877.25	0.01148	0.01633	0.003	0.00273	4.28E-05	4.87E-04	1.88E-05	8.62E-06	5.57E-04	3.90E-05	4.93E-10	2.51E-07	2.35E-07	3.95E-05	4.95E-05	4.87E-04	1.88E-05	8.62E-06	5.64E-04
5283	482863.09	3865877.25	0.01138	0.01708	0.0035	0.00284	4.25E-05	5.10E-04	2.26E-05	8.97E-06	5.84E-04	3.86E-05	5.16E-10	3.01E-07	2.45E-07	3.92E-05	4.91E-05	5.10E-04	2.26E-05	8.97E-06	5.90E-04
5284	483363.09	3865877.25	0.01135	0.01744	0.0045	0.0029	4.24E-05	5.20E-04	2.86E-05	9.16E-06	6.00E-04	3.85E-05	5.27E-10	3.81E-07	2.50E-07	3.92E-05	4.90E-05	5.20E-04	2.86E-05	9.16E-06	6.07E-04
5285	483863.09	3865877.25	0.0116	0.01755	0.0046	0.00284	4.33E-05	5.24E-04	2.91E-05	8.97E-06	6.05E-04	3.94E-05	5.30E-10	3.89E-07	2.45E-07	4.00E-05	5.01E-05	5.24E-04	2.91E-05	8.97E-06	6.12E-04
5286	484363.09	3865877.25	0.01176	0.01796	0.0036	0.00281	4.39E-05	5.36E-04	2.30E-05	8.87E-06	6.12E-04	3.99E-05	5.42E-10	3.06E-07	2.42E-07	4.05E-05	5.07E-05	5.36E-04	2.30E-05	8.87E-06	6.18E-04
5287	484863.09	3865877.25	0.01147	0.01848	0.0029	0.00281	4.28E-05	5.51E-04	1.83E-05	8.87E-06	6.21E-04	3.89E-05	5.58E-10	2.44E-07	2.42E-07	3.94E-05	4.95E-05	5.51E-04	1.83E-05	8.87E-06	6.28E-04
5288	485363.09	3865877.25	0.01099	0.01855	0.003	0.00264	4.10E-05	5.53E-04	1.92E-05	8.34E-06	6.22E-04	3.73E-05	5.60E-10	2.56E-07	2.27E-07	3.78E-05	4.74E-05	5.53E-04	1.92E-05	8.34E-06	6.28E-04
5289	485863.09	3865877.25	0.01061	0.0183	0.0029	0.00251	3.96E-05	5.46E-04	1.87E-05	7.93E-06	6.12E-04	3.60E-05	5.53E-10	2.49E-07	2.16E-07	3.65E-05	4.58E-05	5.46E-04	1.87E-05	7.93E-06	6.18E-04
5290	486363.09	3865877.25	0.01021	0.01871	0.0028	0.00256	3.81E-05	5.58E-04	1.81E-05	8.08E-06	6.22E-04	3.47E-05	5.65E-10	2.42E-07	2.20E-07	3.51E-05	4.41E-05	5.58E-04	1.81E-05	8.08E-06	6.28E-04
5291	486863.09	3865877.25	0.00992	0.01862	0.0035	0.00256	3.70E-05	5.55E-04	2.23E-05	8.08E-06	6.23E-04	3.37E-05	5.62E-10	2.97E-07	2.20E-07	3.42E-05	4.28E-05	5.55E-04	2.23E-05	8.08E-06	6.29E-04
5292	487363.09	3865877.25	0.01002	0.0181	0.0042	0.0026	3.74E-05	5.40E-04	2.66E-05	8.21E-06	6.12E-04	3.40E-05	5.47E-10	3.55E-07	2.24E-07	3.46E-05	4.32E-05	5.40E-04	2.66E-05	8.21E-06	6.18E-04
5293	487863.09	3865877.25	0.0106	0.01786	0.0044	0.00265	3.96E-05	5.33E-04	2.77E-05	8.37E-06	6.08E-04	3.60E-05	5.39E-10	3.70E-07	2.28E-07	3.66E-05	4.57E-05	5.33E-04	2.77E-05	8.37E-06	6.15E-04
5294	488363.09	3865877.25	0.01107	0.01756	0.0041	0.00263	4.13E-05	5.24E-04	2.58E-05	8.30E-06	5.99E-04	3.76E-05	5.30E-10	3.44E-07	2.26E-07	3.82E-05	4.78E-05	5.24E-04	2.58E-05	8.30E-06	6.06E-04
5295	488863.09	3865877.25	0.0113	0.01754	0.0032	0.00248	4.22E-05	5.23E-04	2.03E-05	7.83E-06	5.94E-04	3.84E-05	5.30E-10	2.70E-07	2.14E-07	3.88E-05	4.88E-05	5.23E-04	2.03E-05	7.83E-06	6.00E-04
5296	489363.09	3865877.25	0.01116	0.01795	0.0027	0.00238	4.16E-05	5.36E-04	1.72E-05	7.51E-06	6.02E-04	3.79E-05	5.42E-10	2.29E-07	2.05E-07	3.83E-05	4.82E-05	5.36E-04	1.72E-05	7.51E-06	6.08E-04
5297	489863.09	3865877.25	0.01077	0.0183	0.0029	0.00243	4.02E-05	5.46E-04	1.82E-05	7.67E-06	6.12E-04	3.66E-05	5.53E-10	2.43E-07	2.09E-07	3.70E-05	4.65E-05	5.46E-04	1.82E-05	7.67E-06	6.18E-04
5298	490363.09	3865877.25	0.01069	0.01807	0.0029	0.00241	3.99E-05	5.39E-04	1.85E-05	7.61E-06	6.05E-04	3.63E-05	5.46E-10	2.47E-07	2.08E-07	3.67E-05	4.61E-05	5.39E-04	1.85E-05	7.61E-06	6.11E-04
5299	490863.09	3865877.25	0.01101	0.01721	0.0023	0.00244	4.11E-05	5.13E-04	1.45E-05	7.70E-06	5.77E-04	3.74E-05	5.20E-10	1.93E-07	2.10E-07	3.78E-05	4.75E-05	5.13E-04	1.45E-05	7.70E-06	5.83E-04
5300	491363.09	3865877.25	0.01168	0.01588	0.0022	0.00259	4.36E-05	4.74E-04	1.38E-05	8.18E-06	5.39E-04	3.97E-05	4.80E-10	1.84E-07	2.23E-07	4.01E-05	5.04E-05	4.74E-04	1.38E-05	8.18E-06	5.46E-04
5301	491863.09	3865877.25	0.01218	0.01564	0.0024	0.00284	4.54E-05	4.67E-04	1.52E-05	8.97E-06	5.36E-04	4.14E-05	4.72E-10	2.02E-07	2.45E-07	4.18E-05	5.26E-05	4.67E-04	1.52E-05	8.97E-06	5.43E-04
5302	492363.09	3865877.25	0.01154	0.01446	0.0028	0.00314	4.31E-05	4.31E-04	1.77E-05	9.91E-06	5.02E-04	3.92E-05	4.37E-10	2.36E-07	2.70E-07	3.97E-05	4.98E-05	4.31E-04	1.77E-05	9.91E-06	5.09E-04
5303	492863.09	3865877.25	0.00971	0.00944	0.0034	0.00308	3.62E-05	2.82E-04	2.15E-05	9.72E-06	3.49E-04	3.30E-05	2.85E-10	2.87E-07	2.65E-07	3.35E-05	4.19E-05	2.82E-04	2.15E-05	9.72E-06	3.55E-04

5304	493363.09	3865877.25	0.01038	0.00966	0.0044	0.00309	3.87E-05	2.88E-04	2.79E-05	9.76E-06	3.65E-04	3.52E-05	2.92E-10	3.72E-07	2.66E-07	3.59E-05	4.48E-05	2.88E-04	2.79E-05	9.76E-06	3.71E-04
5305	493863.09	3865877.25	0.01182	0.01246	0.0051	0.00294	4.41E-05	3.72E-04	3.27E-05	9.28E-06	4.58E-04	4.01E-05	3.76E-10	4.35E-07	2.53E-07	4.08E-05	5.10E-05	3.72E-04	3.27E-05	9.28E-06	4.65E-04
5306	494363.09	3865877.25	0.01191	0.01603	0.0053	0.00294	4.44E-05	4.78E-04	3.35E-05	9.28E-06	5.65E-04	4.04E-05	4.84E-10	4.46E-07	2.53E-07	4.11E-05	5.14E-05	4.78E-04	3.35E-05	9.28E-06	5.72E-04
5307	494863.09	3865877.25	0.01185	0.01865	0.0045	0.00293	4.42E-05	5.56E-04	2.86E-05	9.25E-06	6.39E-04	4.02E-05	5.63E-10	3.82E-07	2.52E-07	4.09E-05	5.11E-05	5.56E-04	2.86E-05	9.25E-06	6.45E-04
5308	495363.09	3865877.25	0.01219	0.01819	0.0041	0.00287	4.55E-05	5.43E-04	2.64E-05	9.06E-06	6.24E-04	4.14E-05	5.49E-10	3.52E-07	2.47E-07	4.20E-05	5.26E-05	5.43E-04	2.64E-05	9.06E-06	6.31E-04
5309	495863.09	3865877.25	0.01281	0.01723	0.0041	0.00271	4.78E-05	5.14E-04	2.61E-05	8.56E-06	5.96E-04	4.35E-05	5.20E-10	3.48E-07	2.33E-07	4.41E-05	5.53E-05	5.14E-04	2.61E-05	8.56E-06	6.04E-04
5310	496363.09	3865877.25	0.01324	0.01665	0.0045	0.00258	4.94E-05	4.97E-04	2.87E-05	8.15E-06	5.83E-04	4.50E-05	5.03E-10	3.83E-07	2.22E-07	4.56E-05	5.71E-05	4.97E-04	2.87E-05	8.15E-06	5.91E-04
5311	496863.09	3865877.25	0.01302	0.01628	0.0048	0.00258	4.86E-05	4.86E-04	3.08E-05	8.15E-06	5.73E-04	4.42E-05	4.92E-10	4.11E-07	2.22E-07	4.48E-05	5.62E-05	4.86E-04	3.08E-05	8.15E-06	5.81E-04
5312	497363.09	3865877.25	0.01239	0.01711	0.0046	0.00262	4.62E-05	5.10E-04	2.91E-05	8.27E-06	5.94E-04	4.21E-05	5.17E-10	3.88E-07	2.26E-07	4.27E-05	5.35E-05	5.10E-04	2.91E-05	8.27E-06	6.01E-04
5313	497863.09	3865877.25	0.01179	0.01773	0.0041	0.0027	4.40E-05	5.29E-04	2.62E-05	8.52E-06	6.08E-04	4.00E-05	5.35E-10	3.50E-07	2.32E-07	4.06E-05	5.09E-05	5.29E-04	2.62E-05	8.52E-06	6.15E-04
5314	498363.09	3865877.25	0.01121	0.01741	0.0037	0.00282	4.18E-05	5.19E-04	2.38E-05	8.90E-06	5.94E-04	3.81E-05	5.26E-10	3.17E-07	2.43E-07	3.86E-05	4.84E-05	5.19E-04	2.38E-05	8.90E-06	6.00E-04
5315	471363.09	3866377.25	0.00597	0.00769	0.0037	0.0025	2.23E-05	2.29E-04	2.35E-05	7.89E-06	2.83E-04	2.03E-05	2.32E-10	3.13E-07	2.15E-07	2.08E-05	2.58E-05	2.29E-04	2.35E-05	7.89E-06	2.87E-04
5316	471863.09	3866377.25	0.00617	0.00792	0.0039	0.0025	2.30E-05	2.36E-04	2.46E-05	7.89E-06	2.92E-04	2.09E-05	2.39E-10	3.28E-07	2.15E-07	2.15E-05	2.66E-05	2.36E-04	2.46E-05	7.89E-06	2.95E-04
5317	472363.09	3866377.25	0.00635	0.00815	0.004	0.00249	2.37E-05	2.43E-04	2.52E-05	7.86E-06	3.00E-04	2.16E-05	2.46E-10	3.36E-07	2.14E-07	2.21E-05	2.74E-05	2.43E-04	2.52E-05	7.86E-06	3.04E-04
5318	472863.09	3866377.25	0.00647	0.00843	0.0039	0.00249	2.41E-05	2.51E-04	2.47E-05	7.86E-06	3.08E-04	2.20E-05	2.55E-10	3.29E-07	2.14E-07	2.25E-05	2.79E-05	2.51E-04	2.47E-05	7.86E-06	3.12E-04
5319	473363.09	3866377.25	0.00663	0.00866	0.0039	0.00248	2.47E-05	2.58E-04	2.49E-05	7.83E-06	3.16E-04	2.25E-05	2.62E-10	3.32E-07	2.14E-07	2.31E-05	2.86E-05	2.58E-04	2.49E-05	7.83E-06	3.20E-04
5320	473863.09	3866377.25	0.00676	0.00891	0.0039	0.00248	2.52E-05	2.66E-04	2.48E-05	7.83E-06	3.24E-04	2.30E-05	2.69E-10	3.31E-07	2.14E-07	2.35E-05	2.92E-05	2.66E-04	2.48E-05	7.83E-06	3.28E-04
5321	474363.09	3866377.25	0.00693	0.00918	0.0039	0.0025	2.59E-05	2.74E-04	2.49E-05	7.89E-06	3.33E-04	2.35E-05	2.77E-10	3.33E-07	2.15E-07	2.41E-05	2.99E-05	2.74E-04	2.49E-05	7.89E-06	3.37E-04
5322	474863.09	3866377.25	0.00717	0.00948	0.004	0.00254	2.68E-05	2.83E-04	2.53E-05	8.02E-06	3.43E-04	2.43E-05	2.86E-10	3.37E-07	2.19E-07	2.49E-05	3.09E-05	2.83E-04	2.53E-05	8.02E-06	3.47E-04
5323	475363.09	3866377.25	0.00744	0.0098	0.004	0.00259	2.78E-05	2.92E-04	2.54E-05	8.18E-06	3.54E-04	2.53E-05	2.96E-10	3.38E-07	2.23E-07	2.58E-05	3.21E-05	2.92E-04	2.54E-05	8.18E-06	3.58E-04
5324	475863.09	3866377.25	0.00773	0.01015	0.004	0.00264	2.88E-05	3.03E-04	2.56E-05	8.34E-06	3.66E-04	2.62E-05	3.07E-10	3.41E-07	2.27E-07	2.68E-05	3.34E-05	3.03E-04	2.56E-05	8.34E-06	3.70E-04
5325	476363.09	3866377.25	0.00817	0.01035	0.0043	0.00269	3.05E-05	3.09E-04	2.73E-05	8.49E-06	3.75E-04	2.77E-05	3.13E-10	3.64E-07	2.32E-07	2.83E-05	3.53E-05	3.09E-04	2.73E-05	8.49E-06	3.80E-04
5326	476863.09	3866377.25	0.00844	0.00942	0.0045	0.00279	3.15E-05	2.81E-04	2.88E-05	8.81E-06	3.50E-04	2.87E-05	2.84E-10	3.84E-07	2.40E-07	2.93E-05	3.64E-05	2.81E-04	2.88E-05	8.81E-06	3.55E-04
5327	477363.09	3866377.25	0.00885	0.01056	0.0044	0.0028	3.30E-05	3.15E-04	2.81E-05	8.84E-06	3.85E-04	3.00E-05	3.19E-10	3.75E-07	2.41E-07	3.07E-05	3.82E-05	3.15E-04	2.81E-05	8.84E-06	3.90E-04
5328	477863.09	3866377.25	0.00915	0.01126	0.0042	0.00292	3.41E-05	3.36E-04	2.67E-05	9.22E-06	4.06E-04	3.11E-05	3.40E-10	3.55E-07	2.51E-07	3.17E-05	3.95E-05	3.36E-04	2.67E-05	9.22E-06	4.11E-04
5329	478363.09	3866377.25	0.00947	0.01152	0.0038	0.00289	3.53E-05	3.44E-04	2.42E-05	9.12E-06	4.12E-04	3.22E-05	3.48E-10	3.22E-07	2.49E-07	3.27E-05	4.09E-05	3.44E-04	2.42E-05	9.12E-06	4.18E-04
5330	478863.09	3866377.25	0.00985	0.01181	0.0035	0.00285	3.68E-05	3.52E-04	2.23E-05	9.00E-06	4.20E-04	3.34E-05	3.57E-10	2.97E-07	2.45E-07	3.40E-05	4.25E-05	3.52E-04	2.23E-05	9.00E-06	4.26E-04
5331	479363.09	3866377.25	0.01016	0.01222	0.0033	0.00278	3.79E-05	3.65E-04	2.09E-05	8.78E-06	4.32E-04	3.45E-05	3.69E-10	2.78E-07	2.39E-07	3.50E-05	4.38E-05	3.65E-04	2.09E-05	8.78E-06	4.38E-04
5332	479863.09	3866377.25	0.01037	0.01271	0.0032	0.00269	3.87E-05	3.79E-04	2.01E-05	8.49E-06	4.46E-04	3.52E-05	3.84E-10	2.68E-07	2.32E-07	3.57E-05	4.47E-05	3.79E-04	2.01E-05	8.49E-06	4.53E-04
5333	480363.09	3866377.25	0.01045	0.01316	0.0031	0.00262	3.90E-05	3.93E-04	1.95E-05	8.27E-06	4.59E-04	3.55E-05	3.97E-10	2.60E-07	2.26E-07	3.60E-05	4.51E-05	3.93E-04	1.95E-05	8.27E-06	4.65E-04
5334	480863.09	3866377.25	0.01043	0.01354	0.0029	0.00255	3.89E-05	4.04E-04	1.88E-05	8.05E-06	4.70E-04	3.54E-05	4.09E-10	2.50E-07	2.20E-07	3.59E-05	4.50E-05	4.04E-04	1.88E-05	8.05E-06	4.76E-04
5335	481363.09	3866377.25	0.01044	0.01396	0.0028	0.00251	3.90E-05	4.16E-04	1.78E-05	7.93E-06	4.81E-04	3.54E-05	4.22E-10	2.37E-07	2.16E-07	3.59E-05	4.50E-05	4.16E-04	1.78E-05	7.93E-06	4.87E-04
5336	481863.09	3866377.25	0.01049	0.0145	0.0027	0.00251	3.91E-05	4.33E-04	1.75E-05	7.93E-06	4.97E-04	3.56E-05	4.38E-10	2.33E-07	2.16E-07	3.61E-05	4.53E-05	4.33E-04	1.75E-05	7.93E-06	5.03E-04
5337	482363.09	3866377.25	0.01051	0.01517	0.0031	0.00259	3.92E-05	4.53E-04	1.99E-05	8.18E-06	5.20E-04	3.57E-05	4.58E-10	2.65E-07	2.23E-07	3.62E-05	4.54E-05	4.53E-04	1.99E-05	8.18E-06	5.26E-04
5338	482863.09	3866377.25	0.01044	0.01567	0.004	0.0027	3.90E-05	4.67E-04	2.55E-05	8.52E-06	5.40E-04	3.54E-05	4.73E-10	3.39E-07	2.32E-07	3.60E-05	4.50E-05	4.67E-04	2.55E-05	8.52E-06	5.47E-04
5339	483363.09	3866377.25	0.01051	0.01581	0.0045	0.0027	3.92E-05	4.72E-04	2.90E-05	8.52E-06	5.48E-04	3.57E-05	4.77E-10	3.86E-07	2.32E-07	3.63E-05	4.54E-05	4.72E-04	2.90E-05	8.52E-06	5.55E-04
5340	483863.09	3866377.25	0.01076	0.01594	0.004	0.00269	4.02E-05	4.76E-04	2.53E-05	8.49E-06	5.50E-04	3.65E-05	4.81E-10	3.38E-07	2.32E-07	3.71E-05	4.64E-05	4.76E-04	2.53E-05	8.49E-06	5.56E-04
5341	484363.09	3866377.25	0.01079	0.01631	0.003	0.00273	4.03E-05	4.87E-04	1.93E-05	8.62E-06	5.55E-04	3.66E-05	4.93E-10	2.57E-07	2.35E-07	3.71E-05	4.66E-05	4.87E-04	1.93E-05	8.62E-06	5.61E-04
5342	484863.09	3866377.25	0.01054	0.01664	0.0028	0.00266	3.93E-05	4.96E-04	1.75E-05	8.40E-06	5.62E-04	3.58E-05	5.02E-10	2.34E-07	2.29E-07	3.62E-05	4.55E-05	4.96E-04	1.75E-05	8.40E-06	5.68E-04
5343	485363.09	3866377.25	0.01013	0.01636	0.003	0.00242	3.78E-05	4.88E-04	1.89E-05	7.64E-06	5.52E-04	3.44E-05	4.94E-10	2.52E-07	2.08E-07	3.49E-05	4.37E-05	4.88E-04	1.89E-05	7.64E-06	5.58E-04
5344	485863.09	3866377.25	0.00976	0.01623	0.0027	0.00235	3.64E-05	4.84E-04	1.73E-05	7.42E-06	5.45E-04	3.31E-05	4.90E-10	2.30E-07	2.02E-07	3.36E-05	4.21E-05	4.84E-04	1.73E-05	7.42E-06	5.51E-04
5345	486363.09	3866377.25	0.00939	0.01676	0.0028	0.00243	3.50E-05	5.00E-04	1.77E-05	7.67E-06	5.60E-04	3.19E-05	5.06E-10	2.36E-07	2.09E-07	3.23E-05	4.05E-05	5.00E-04	1.77E-05	7.67E-06	5.66E-04
5346	486863.09	3866377.25	0.00912	0.01662	0.0035	0.00244	3.40E-05	4.96E-04	2.20E-05	7.70E-06	5.60E-04	3.10E-05	5.02E-10	2.93E-07	2.10E-07	3.15E-05	3.94E-05	4.96E-04	2.20E-05	7.70E-06	5.65E-04
5347	487363.09	3866377.25	0.00936	0.01631	0.0042	0.00257	3.49E-05	4.87E-04	2.65E-05	8.11E-06	5.56E-04	3.18E-05	4.93E-10	3.53E-07	2.21E-07	3.24E-05	4.04E-05	4.87E-04	2.65E-05	8.11E-06	5.62E-04
5348	487863.09	3866377.25	0.00997	0.016	0.0045	0.00257	3.72E-05	4.77E-04	2.84E-05	8.11E-06	5.51E-04	3.38E-05	4.83E-10	3.78E-07	2.21E-07	3.44E-05	4.30E-05	4.77E-04	2.84E-05	8.11E-06	5.57E-04
5349	488363.09	3866377.25	0.01044	0.01568	0.0042	0.00253	3.90E-05	4.68E-04	2.65E-05	7.99E-06	5.41E-04	3.54E-05	4.74E-10	3.53E-07	2.18E-07	3.60E-05	4.50E-05	4.68E-04	2.65E-05	7.99E-06	5.47E-04
5350	488863.09	3866377.25	0.01079	0.01521	0.0033	0.00234	4.03E-05	4.54E-04	2.10E-05	7.39E-06	5.22E-04	3.66E-05	4.59E-10	2.80E-07	2.01E-07	3.71E-05	4.66E-05	4.54E-04	2.10E-05	7.39E-06	5.29E-04
5351	489363.09	3866377.25	0.01072	0.01531	0.0026	0.0022	4.00E-05	4.57E-04	1.66E-05	6.95E-06	5.20E-04	3.64E-05	4.62E-10	2.21E-07	1.89E-07	3.68E-05	4.63E-05	4.57E-04	1.66E-05	6.95E-06	5.27E-04
5352	489863.09	3866377.25	0.01036	0.01477	0.0029	0.00234	3.87E-05	4.41E-04	1.87E-05	7.39E-06	5.05E-04	3.52E-05	4.46E-10	2.49E-07	2.01E-07	3.56E-05	4.47E-05	4.41E-04	1.87E-05	7.39E-06	5.11E-04
5353	490363.09	3866377.25	0.0099	0.01621	0.003	0.00225	3.69E-05	4.84E-04	1.89E-05	7.10E-06	5.47E-04	3.36E-05	4.90E-10	2.52E-07	1.94E-07	3.41E-05	4.27E-05	4.84E-04	1.89E-05	7.10E-06	5.52E-04
5354	490863.09	3866377.25	0.00982	0.01607	0.0024	0.00228	3.66E-05	4.79E-04	1.52E-05	7.20E-06	5.38E-04	3.33E-05	4.85E-10	2.02E-07	1.96E-07	3.37E-05	4.24E-05	4.79E-04	1.52E-05	7.20E-06	5.44E-04
5355	491363.09	3866377.25	0.01032	0.01602	0.0021	0.00236	3.85E-05	4.78E-04	1.33E-05	7.45E-06	5.37E-04	3.50E-05	4.84E-10	1.78E-07	2.03E-07	3.54E-05	4.45E-05	4.78E-04	1.33E-05	7.45E-06	5.43E-04
5356	491863.09	3866377.25	0.01108	0.01284	0.0021	0.00258	4.13E-05	3.83E-04	1.36E-05	8.15E-06	4.46E-04	3.76E-05	3.88E-10	1.81E-07	2.22E-07	3.80E-05	4.78E-05	3.83E-04	1.36E-05	8.15E-06	4.53E-04
5357	492363.09	3866377.25	0.01112	0.01318	0.0024	0.0028	4.15E-05	3.93E-04	1.52E-05	8.84E-06	4.59E-04	3.78E-05	3.98E-10	2.03E-07	2.41E-07	3.82E-05	4.80E-05	3.93E-04	1.52E-05	8.84E-06	4.65E-04
5358	492863.09	3866377.25	0.00993	0.01094	0.0028	0.00309	3.71E-05	3.26E-04	1.81E-05	9.76E-06	3.91E-04	3.37E-05	3.30E-10	2.42E-07	2.66E-07	3.42E-05	4.28E-05	3.26E-04	1.81E-05	9.76E-06	3.97E-04
5359	493363.09	3866377.25	0.01008	0.01169	0.0035	0.00308	3.76E-05	3.49E-04	2.26E-05	9.72E-06	4.19E-04	3.42E-05	3.53E-10	3.01E-07	2.65E-07	3.48E-05	4.35E-05	3.49E-04	2.26E-05	9.72E-06	4.25E-04
5360	493863.09	3866377.25	0.01103	0.01314	0.0041	0.00291	4.12E-05	3.92E-04	2.63E-05	9.19E-06	4.69E-04	3.74E-05	3.97E-10	3.51E-07	2.51E-07	3.80E-05	4.76E-05	3.92E-04	2.63E-05	9.19E-06	4.75E-04
5361	494363.09	3866377.25	0.01143	0.01569	0.0043	0.00267	4.27E-05	4.68E-04	2.72E-05	8.43E-06	5.46E-04	3.88E-05	4.74E-10	3.62E-07	2.30E-07	3.94E-05	4.93E-05	4.68E-04	2.72E-05	8.43E-06	5.53E-04
5362	494863.09	3866377.25	0.01099	0.01613	0.0045	0.0027	4.10E-05	4.81E-04	2.87E-05	8.52E-06	5.59E-04	3.73E-05	4.87E-10	3.83E-07	2.32E-07	3.79E-05	4.74E-05	4.81E-04	2.87E-05	8.52E-06	5.66E-04
5363	495363.09	3866377.25	0.01031	0.01564	0.0045	0.00279	3.85E-05	4.67E-04	2.86E-05	8.81E-06	5.42E-04	3.50E-05	4.72E-10	3.81E-07	2.40E-07	3.56E-05	4.45E-05	4.67E-04	2.86E-05	8.81E-06	5.48E-04
5364	495863.09	3866377.25	0.01087	0.01476	0.004	0.00276	4.06E-05	4.40E-04	2.55E-05	8.71E-06	5.15E-04	3.69E-05	4.46E-10	3.39E-07	2.38E-07	3.75E-05	4.69E-05	4.40E-04	2.55E-05	8.71E-06	5.21E-04

5365	496363.09	3866377.25	0.01199	0.01406	0.0039	0.00257	4.47E-05	4.19E-04	2.46E-05	8.11E-06	4.97E-04	4.07E-05	4.25E-10	3.28E-07	2.21E-07	4.13E-05	5.17E-05	4.19E-04	2.46E-05	8.11E-06	5.04E-04
5366	496863.09	3866377.25	0.01215	0.01322	0.0043	0.00241	4.53E-05	3.94E-04	2.76E-05	7.61E-06	4.75E-04	4.12E-05	3.99E-10	3.68E-07	2.08E-07	4.18E-05	5.24E-05	3.94E-04	2.76E-05	7.61E-06	4.82E-04
5367	497363.09	3866377.25	0.01194	0.01347	0.0048	0.00246	4.46E-05	4.02E-04	3.04E-05	7.77E-06	4.85E-04	4.05E-05	4.07E-10	4.05E-07	2.12E-07	4.12E-05	5.15E-05	4.02E-04	3.04E-05	7.77E-06	4.92E-04
5368	497863.09	3866377.25	0.01149	0.01429	0.0045	0.00252	4.29E-05	4.26E-04	2.85E-05	7.96E-06	5.06E-04	3.90E-05	4.32E-10	3.80E-07	2.17E-07	3.96E-05	4.96E-05	4.26E-04	2.85E-05	7.96E-06	5.12E-04
5369	498363.09	3866377.25	0.0104	0.01259	0.004	0.00264	3.88E-05	3.76E-04	2.52E-05	8.34E-06	4.48E-04	3.53E-05	3.80E-10	3.36E-07	2.27E-07	3.59E-05	4.49E-05	3.76E-04	2.52E-05	8.34E-06	4.54E-04
5370	474494.92	3848334.16	0.00707	0.00398	0.0016	0.00231	2.64E-05	1.19E-04	1.05E-05	7.29E-06	1.63E-04	2.40E-05	1.20E-10	1.39E-07	1.99E-07	2.43E-05	3.05E-05	1.19E-04	1.05E-05	7.29E-06	1.67E-04
5371	475167.27	3848920.79	0.00806	0.00444	0.0017	0.00247	3.01E-05	1.32E-04	1.10E-05	7.80E-06	1.81E-04	2.74E-05	1.34E-10	1.47E-07	2.13E-07	2.77E-05	3.48E-05	1.32E-04	1.10E-05	7.80E-06	1.86E-04
5372	475297.89	3848997.96	0.00821	0.00451	0.0017	0.00249	3.06E-05	1.35E-04	1.11E-05	7.86E-06	1.84E-04	2.79E-05	1.36E-10	1.48E-07	2.14E-07	2.82E-05	3.54E-05	1.35E-04	1.11E-05	7.86E-06	1.89E-04
5373	475439.05	3849062	0.00821	0.00442	0.0018	0.0025	3.06E-05	1.32E-04	1.12E-05	7.89E-06	1.82E-04	2.79E-05	1.33E-10	1.50E-07	2.15E-07	2.82E-05	3.54E-05	1.32E-04	1.12E-05	7.89E-06	1.86E-04
5374	475486.86	3849061.09	0.00817	0.00438	0.0018	0.0025	3.05E-05	1.31E-04	1.12E-05	7.89E-06	1.80E-04	2.77E-05	1.32E-10	1.50E-07	2.15E-07	2.81E-05	3.53E-05	1.31E-04	1.12E-05	7.89E-06	1.85E-04
5375	475538.46	3849075.56	0.00822	0.00443	0.0018	0.0025	3.07E-05	1.32E-04	1.13E-05	7.89E-06	1.82E-04	2.79E-05	1.34E-10	1.51E-07	2.15E-07	2.83E-05	3.55E-05	1.32E-04	1.13E-05	7.89E-06	1.87E-04
5376	475751.79	3849137.15	0.00849	0.00481	0.0018	0.00252	3.17E-05	1.43E-04	1.14E-05	7.96E-06	1.95E-04	2.88E-05	1.45E-10	1.52E-07	2.17E-07	2.92E-05	3.66E-05	1.43E-04	1.14E-05	7.96E-06	2.00E-04
5377	476303.62	3849223.38	0.00877	0.00588	0.0019	0.00252	3.27E-05	1.75E-04	1.18E-05	7.96E-06	2.28E-04	2.98E-05	1.78E-10	1.57E-07	2.17E-07	3.01E-05	3.78E-05	1.75E-04	1.18E-05	7.96E-06	2.33E-04
5378	476304.51	3849238.92	0.00881	0.00588	0.0019	0.00252	3.29E-05	1.75E-04	1.18E-05	7.96E-06	2.28E-04	2.99E-05	1.78E-10	1.57E-07	2.17E-07	3.03E-05	3.80E-05	1.75E-04	1.18E-05	7.96E-06	2.33E-04
5379	476365.04	3849247.98	0.00883	0.00603	0.0019	0.00252	3.29E-05	1.80E-04	1.19E-05	7.96E-06	2.33E-04	3.00E-05	1.82E-10	1.58E-07	2.17E-07	3.04E-05	3.81E-05	1.80E-04	1.19E-05	7.96E-06	2.38E-04
5380	476444.86	3849267.13	0.00885	0.00612	0.0019	0.00252	3.30E-05	1.83E-04	1.19E-05	7.96E-06	2.35E-04	3.00E-05	1.85E-10	1.59E-07	2.17E-07	3.04E-05	3.82E-05	1.83E-04	1.19E-05	7.96E-06	2.41E-04
5381	476550.75	3849300.66	0.00893	0.00645	0.0019	0.00253	3.33E-05	1.92E-04	1.20E-05	7.99E-06	2.46E-04	3.03E-05	1.95E-10	1.60E-07	2.18E-07	3.07E-05	3.85E-05	1.92E-04	1.20E-05	7.99E-06	2.51E-04
5382	476656.71	3849346.88	0.00903	0.00671	0.0019	0.00254	3.37E-05	2.00E-04	1.21E-05	8.02E-06	2.54E-04	3.07E-05	2.03E-10	1.62E-07	2.19E-07	3.10E-05	3.90E-05	2.00E-04	1.21E-05	8.02E-06	2.59E-04
5383	476873.55	3849454.53	0.00928	0.00729	0.0019	0.00257	3.46E-05	2.17E-04	1.23E-05	8.11E-06	2.73E-04	3.15E-05	2.20E-10	1.64E-07	2.21E-07	3.19E-05	4.00E-05	2.17E-04	1.23E-05	8.11E-06	2.78E-04
5384	477700	3849859.7	0.01014	0.00938	0.002	0.00269	3.78E-05	2.80E-04	1.30E-05	8.49E-06	3.39E-04	3.44E-05	2.83E-10	1.73E-07	2.32E-07	3.48E-05	4.38E-05	2.80E-04	1.30E-05	8.49E-06	3.45E-04
5385	477743.16	3849856.38	0.01007	0.0093	0.0021	0.00269	3.76E-05	2.77E-04	1.31E-05	8.49E-06	3.37E-04	3.42E-05	2.81E-10	1.74E-07	2.32E-07	3.46E-05	4.35E-05	2.77E-04	1.31E-05	8.49E-06	3.42E-04
5386	478477.35	3850216.33	0.01069	0.00975	0.0021	0.00288	3.99E-05	2.91E-04	1.37E-05	9.09E-06	3.54E-04	3.63E-05	2.94E-10	1.82E-07	2.48E-07	3.67E-05	4.61E-05	2.91E-04	1.37E-05	9.09E-06	3.60E-04
5387	478485.8	3850201.6	0.01062	0.00971	0.0021	0.00288	3.96E-05	2.90E-04	1.37E-05	9.09E-06	3.52E-04	3.61E-05	2.93E-10	1.82E-07	2.48E-07	3.65E-05	4.58E-05	2.90E-04	1.37E-05	9.09E-06	3.58E-04
5388	479113.21	3850501.53	0.01214	0.0107	0.0022	0.00305	4.53E-05	3.19E-04	1.42E-05	9.63E-06	3.88E-04	4.12E-05	3.23E-10	1.89E-07	2.63E-07	4.17E-05	5.24E-05	3.19E-04	1.42E-05	9.63E-06	3.95E-04
5389	479108.11	3850382.28	0.01207	0.01023	0.0022	0.00302	4.50E-05	3.05E-04	1.40E-05	9.54E-06	3.74E-04	4.10E-05	3.09E-10	1.86E-07	2.60E-07	4.14E-05	5.21E-05	3.05E-04	1.40E-05	9.54E-06	3.81E-04
5390	479689.85	3850674.28	0.01427	0.01012	0.0023	0.00322	5.32E-05	3.02E-04	1.44E-05	1.02E-05	3.80E-04	4.84E-05	3.06E-10	1.91E-07	2.77E-07	4.89E-05	6.16E-05	3.02E-04	1.44E-05	1.02E-05	3.88E-04
5391	479952.42	3850774.28	0.0163	0.01017	0.0023	0.00329	6.08E-05	3.03E-04	1.45E-05	1.04E-05	3.89E-04	5.53E-05	3.07E-10	1.93E-07	2.83E-07	5.58E-05	7.03E-05	3.03E-04	1.45E-05	1.04E-05	3.99E-04
5392	479911.32	3850884.85	0.01553	0.01086	0.0023	0.00332	5.79E-05	3.24E-04	1.47E-05	1.05E-05	4.07E-04	5.27E-05	3.28E-10	1.96E-07	2.86E-07	5.32E-05	6.70E-05	3.24E-04	1.47E-05	1.05E-05	4.16E-04
5393	480500.92	3851178.12	0.02012	0.01188	0.0024	0.00352	7.51E-05	3.54E-04	1.52E-05	1.11E-05	4.56E-04	6.83E-05	3.59E-10	2.03E-07	3.03E-07	6.88E-05	8.68E-05	3.54E-04	1.52E-05	1.11E-05	4.68E-04
5394	480738.01	3851289.27	0.0224	0.01227	0.0024	0.00364	8.36E-05	3.66E-04	1.54E-05	1.15E-05	4.77E-04	7.60E-05	3.71E-10	2.06E-07	3.13E-07	7.66E-05	9.67E-05	3.66E-04	1.54E-05	1.15E-05	4.90E-04
5395	481055.42	3851443.58	0.02547	0.0126	0.0025	0.00382	9.50E-05	3.76E-04	1.58E-05	1.21E-05	4.99E-04	8.65E-05	3.80E-10	2.10E-07	3.29E-07	8.70E-05	1.10E-04	3.76E-04	1.58E-05	1.21E-05	5.14E-04
5396	481110.22	3851443.15	0.026	0.01242	0.0025	0.00384	9.70E-05	3.71E-04	1.58E-05	1.21E-05	4.95E-04	8.83E-05	3.75E-10	2.10E-07	3.31E-07	8.88E-05	1.12E-04	3.71E-04	1.58E-05	1.21E-05	5.11E-04
5397	481111.1	3851417.45	0.02599	0.01223	0.0025	0.00383	9.70E-05	3.65E-04	1.57E-05	1.21E-05	4.90E-04	8.82E-05	3.69E-10	2.09E-07	3.30E-07	8.88E-05	1.12E-04	3.65E-04	1.57E-05	1.21E-05	5.05E-04
5398	482248.44	3852605.09	0.04053	0.01755	0.003	0.0054	1.51E-04	5.24E-04	1.89E-05	1.70E-05	7.11E-04	1.38E-04	5.30E-10	2.53E-07	4.65E-07	1.38E-04	1.75E-04	5.24E-04	1.89E-05	1.70E-05	7.34E-04
5399	482273.34	3852632.31	0.04103	0.01773	0.003	0.00546	1.53E-04	5.29E-04	1.90E-05	1.72E-05	7.18E-04	1.39E-04	5.35E-10	2.53E-07	4.70E-07	1.40E-04	1.77E-04	5.29E-04	1.90E-05	1.72E-05	7.42E-04
5400	482665.46	3853038.72	0.05011	0.02103	0.0032	0.00658	1.87E-04	6.27E-04	2.04E-05	2.08E-05	8.56E-04	1.70E-04	6.35E-10	2.72E-07	5.67E-07	1.71E-04	2.16E-04	6.27E-04	2.04E-05	2.08E-05	8.85E-04
5401	483077.95	3853844.31	0.06521	0.02798	0.0037	0.00987	2.43E-04	8.35E-04	2.35E-05	3.12E-05	1.13E-03	2.21E-04	8.45E-10	3.14E-07	8.50E-07	2.23E-04	2.81E-04	8.35E-04	2.35E-05	3.12E-05	1.17E-03
5402	483121.38	3853909.38	0.06845	0.02809	0.0037	0.01032	2.55E-04	8.38E-04	2.38E-05	3.26E-05	1.15E-03	2.32E-04	8.48E-10	3.17E-07	8.89E-07	2.34E-04	2.95E-04	8.38E-04	2.38E-05	3.26E-05	1.19E-03
5403	483492.64	3853911.49	0.09243	0.02426	0.0037	0.01067	3.45E-04	7.24E-04	2.39E-05	3.37E-05	1.13E-03	3.14E-04	7.33E-10	3.18E-07	9.19E-07	3.15E-04	3.99E-04	7.24E-04	2.39E-05	3.37E-05	1.18E-03
5404	483498.29	3854204.73	0.09744	0.02867	0.004	0.01461	3.64E-04	8.55E-04	2.53E-05	4.61E-05	1.29E-03	3.31E-04	8.66E-10	3.38E-07	1.26E-06	3.32E-04	4.20E-04	8.55E-04	2.53E-05	4.61E-05	1.35E-03
5405	484132.44	3854662.55	0.15266	0.03947	0.0044	0.04783	5.70E-04	1.18E-03	2.83E-05	1.51E-04	1.93E-03	5.18E-04	1.19E-09	3.78E-07	4.12E-06	5.23E-04	6.59E-04	1.18E-03	2.83E-05	1.51E-04	2.02E-03
5406	484627.62	3854876.13	0.28164	0.06406	0.0048	0.03715	1.05E-03	1.91E-03	3.04E-05	1.17E-04	3.11E-03	9.56E-04	1.93E-09	4.06E-07	3.20E-06	9.60E-04	1.22E-03	1.91E-03	3.04E-05	1.17E-04	3.27E-03
5407	484756.14	3854949.04	0.37537	0.07309	0.0049	0.03385	1.40E-03	2.18E-03	3.13E-05	1.07E-04	3.72E-03	1.27E-03	2.21E-09	4.17E-07	2.91E-06	1.28E-03	1.62E-03	2.18E-03	3.13E-05	1.07E-04	3.94E-03
5408	486697.51	3856599.17	4.9427	0.25237	0.0114	0.05482	1.84E-02	7.53E-03	7.26E-05	1.73E-04	2.62E-02	1.68E-02	7.62E-09	9.68E-07	4.72E-06	1.68E-02	2.13E-02	7.53E-03	7.26E-05	1.73E-04	2.91E-02
5409	487105.31	3856962.27	5.27418	0.29041	0.0165	0.03355	1.97E-02	8.66E-03	1.06E-04	1.06E-04	2.86E-02	1.79E-02	8.77E-09	1.41E-06	2.89E-06	1.79E-02	2.28E-02	8.66E-03	1.06E-04	1.06E-04	3.16E-02
5410	487157.57	3856901.7	4.03079	0.2779	0.0165	0.03461	1.50E-02	8.29E-03	1.05E-04	1.09E-04	2.35E-02	1.37E-02	8.39E-09	1.40E-06	2.98E-06	1.37E-02	1.74E-02	8.29E-03	1.05E-04	1.09E-04	2.59E-02
5411	487173.5	3856853.74	3.58763	0.27	0.0162	0.03572	1.34E-02	8.06E-03	1.03E-04	1.13E-04	2.17E-02	1.22E-02	8.15E-09	1.38E-06	3.08E-06	1.22E-02	1.55E-02	8.06E-03	1.03E-04	1.13E-04	2.38E-02
5412	487564.41	3856860.83	2.08463	0.24635	0.0228	0.03233	7.78E-03	7.35E-03	1.46E-04	1.02E-04	1.54E-02	7.08E-03	7.44E-09	1.94E-06	2.78E-06	7.08E-03	9.00E-03	7.35E-03	1.46E-04	1.02E-04	1.66E-02
5413	487563.31	3856931.58	2.09524	0.25514	0.0238	0.03103	7.82E-03	7.61E-03	1.52E-04	9.80E-05	1.57E-02	7.11E-03	7.70E-09	2.02E-06	2.67E-06	7.12E-03	9.04E-03	7.61E-03	1.52E-04	9.80E-05	1.69E-02
5414	487782.7	3856926.85	1.61072	0.24313	0.0295	0.03004	6.01E-03	7.25E-03	1.88E-04	9.48E-05	1.35E-02	5.47E-03	7.34E-09	2.51E-06	2.59E-06	5.47E-03	6.95E-03	7.25E-03	1.88E-04	9.48E-05	1.45E-02
5415	487782.39	3856757.07	1.6179	0.22422	0.0258	0.03255	6.04E-03	6.69E-03	1.64E-04	1.03E-04	1.30E-02	5.49E-03	6.77E-09	2.19E-06	2.80E-06	5.50E-03	6.98E-03	6.69E-03	1.64E-04	1.03E-04	1.39E-02
5416	487917.26	3856752.41	1.43821	0.21974	0.0243	0.03161	5.37E-03	6.56E-03	1.55E-04	9.98E-05	1.22E-02	4.88E-03	6.64E-09	2.07E-06	2.72E-06	4.89E-03	6.21E-03	6.56E-03	1.55E-04	9.98E-05	1.30E-02
5417	487919.57	3856953.35	1.37807	0.24017	0.0303	0.02919	5.14E-03	7.17E-03	1.93E-04	9.22E-05	1.26E-02	4.68E-03	7.25E-09	2.57E-06	2.51E-06	4.68E-03	5.95E-03	7.17E-03	1.93E-04	9.22E-05	1.34E-02
5418	487932.76	3857000.32	1.31492	0.24258	0.0319	0.02875	4.91E-03	7.24E-03	2.03E-04	9.08E-05	1.24E-02	4.46E-03	7.33E-09	2.71E-06	2.48E-06	4.47E-03	5.67E-03	7.24E-03	2.03E-04	9.08E-05	1.32E-02
5419	487960.5	3857044.75	1.22717	0.24457	0.0332	0.02835	4.58E-03	7.30E-03	2.12E-04	8.95E-05	1.22E-02	4.17E-03	7.39E-09	2.82E-06	2.44E-06	4.17E-03	5.30E-03	7.30E-03	2.12E-04	8.95E-05	1.29E-02
5420	488016.54	3857089.54	1.10972	0.24511	0.0339	0.02796	4.14E-03	7.31E-03	2.16E-04	8.83E-05	1.18E-02	3.77E-03	7.40E-09	2.88E-06	2.41E-06	3.77E-03	4.79E-03	7.31E-03	2.16E-04	8.83E-05	1.24E-02
5421	488114.39	3857165.47	0.9306	0.24731	0.0361	0.02746	3.47E-03	7.38E-03	2.31E-04	8.67E-05	1.12E-02	3.16E-03	7.47E-09	3.07E-06	2.36E-06	3.16E-03	4.02E-03	7.38E-03	2.31E-04	8.67E-05	1.17E-02
5422	488171.49	3857234.24	0.81052	0.25222	0.0409	0.02747	3.02E-03	7.52E-03	2.61E-04	8.67E-05	1.09E-02	2.75E-03	7.62E-09	3.48E-06	2.37E-06	2.76E-03	3.50E-03	7.52E-03	2.61E-04	8.67E-05	1.14E-02
5423	488193.16	3857297.8	0.72352	0.25954	0.0465	0.0279	2.70E-03	7.74E-03	2.97E-04	8.81E-05	1.08E-02	2.46E-03	7.84E-09	3.96E-06	2.40E-06	2.46E-03	3.12E-03	7.74E-03	2.97E-04	8.81E-05	1.12E-02
5424	488189.27	3857649.94	0.39033	0.31186	0.1216	0.03539	1.46E-03	9.30E-03	7.75E-04	1.12E-04	1.16E-02	1.33E-03	9.42E-09	1.03E-05	3.05E-06	1.34E-03	1.68E-03	9.30E-03	7.75E-04	1.12E-04	1.19E-02
5425	488127.43	3857732.32	0.33916	0.32907	0.1622	0.03855	1.27E-03	9.82E-03	1.03E-03	1.22E-04	1.22E-02	1.15E-03	9.94E-09	1.38E-05	3.32E-06	1.17E-03	1.46E-03	9.82E-03	1.03E-03	1.22E-04	1.24E-02

5426	488149.93	3857752.94	0.32785	0.33133	0.1804	0.03937	1.22E-03	9.88E-03	1.15E-03	1.24E-04	1.24E-02	1.11E-03	1.00E-08	1.53E-05	3.39E-06	1.13E-03	1.41E-03	9.88E-03	1.15E-03	1.24E-04	1.26E-02
5427	488144.76	3857758.71	0.32477	0.33247	0.1839	0.03963	1.21E-03	9.92E-03	1.17E-03	1.25E-04	1.24E-02	1.10E-03	1.00E-08	1.56E-05	3.41E-06	1.12E-03	1.40E-03	9.92E-03	1.17E-03	1.25E-04	1.26E-02
5428	488335.58	3857932.55	0.24715	0.36955	4.08	0.04807	9.22E-04	1.10E-02	2.60E-02	1.52E-04	3.81E-02	8.39E-04	1.12E-08	3.47E-04	4.14E-06	1.19E-03	1.07E-03	1.10E-02	2.60E-02	1.52E-04	3.83E-02
5429	488372.29	3857943.79	0.24339	0.37041	3.9932	0.04854	9.08E-04	1.11E-02	2.55E-02	1.53E-04	3.76E-02	8.26E-04	1.12E-08	3.40E-04	4.18E-06	1.17E-03	1.05E-03	1.11E-02	2.55E-02	1.53E-04	3.77E-02
5430	488828.64	3857936.4	0.25022	0.33277	1.2342	0.04499	9.34E-04	9.93E-03	7.87E-03	1.42E-04	1.89E-02	8.50E-04	1.00E-08	1.05E-04	3.87E-06	9.58E-04	1.08E-03	9.93E-03	7.87E-03	1.42E-04	1.90E-02
5431	488829.08	3857959.58	0.24335	0.33764	1.1929	0.04592	9.08E-04	1.01E-02	7.61E-03	1.45E-04	1.87E-02	8.26E-04	1.02E-08	1.01E-04	3.95E-06	9.32E-04	1.05E-03	1.01E-02	7.61E-03	1.45E-04	1.89E-02
5432	488351.61	3857964.55	0.23623	0.37817	4.3753	0.05005	8.81E-04	1.13E-02	2.79E-02	1.58E-04	4.02E-02	8.02E-04	1.14E-08	3.72E-04	4.31E-06	1.18E-03	1.02E-03	1.13E-02	2.79E-02	1.58E-04	4.04E-02
5433	488316.87	3857947.65	0.24183	0.37532	4.5056	0.04919	9.02E-04	1.12E-02	2.87E-02	1.55E-04	4.10E-02	8.21E-04	1.13E-08	3.83E-04	4.24E-06	1.21E-03	1.04E-03	1.12E-02	2.87E-02	1.55E-04	4.11E-02
5434	488129.1	3857775.77	0.31566	0.33651	0.1951	0.04044	1.18E-03	1.00E-02	1.24E-03	1.28E-04	1.26E-02	1.07E-03	1.02E-08	1.66E-05	3.48E-06	1.09E-03	1.36E-03	1.00E-02	1.24E-03	1.28E-04	1.28E-02
5435	488062.53	3857846.13	0.28231	0.35826	0.2525	0.0443	1.05E-03	1.07E-02	1.61E-03	1.40E-04	1.35E-02	9.58E-04	1.08E-08	2.15E-05	3.81E-06	9.84E-04	1.22E-03	1.07E-02	1.61E-03	1.40E-04	1.37E-02
5436	488330.41	3858091.34	0.20371	0.41809	1.8169	0.05967	7.60E-04	1.25E-02	1.16E-02	1.88E-04	2.50E-02	6.92E-04	1.26E-08	1.55E-04	5.14E-06	8.51E-04	8.79E-04	1.25E-02	1.16E-02	1.88E-04	2.51E-02
5437	488470.87	3858174.45	0.18426	0.4353	0.7328	0.06321	6.88E-04	1.30E-02	4.67E-03	2.00E-04	1.85E-02	6.26E-04	1.31E-08	6.23E-05	5.44E-06	6.93E-04	7.95E-04	1.30E-02	4.67E-03	2.00E-04	1.87E-02
5438	488568.9	3858262.31	0.16651	0.46308	0.3563	0.0662	6.21E-04	1.38E-02	2.27E-03	2.09E-04	1.69E-02	5.65E-04	1.40E-08	3.03E-05	5.70E-06	6.01E-04	7.19E-04	1.38E-02	2.27E-03	2.09E-04	1.70E-02
5439	488964.27	3858025.71	0.22539	0.34191	0.7919	0.04687	8.41E-04	1.02E-02	5.05E-03	1.48E-04	1.62E-02	7.65E-04	1.03E-08	6.73E-05	4.04E-06	8.37E-04	9.73E-04	1.02E-02	5.05E-03	1.48E-04	1.64E-02
5440	489147.25	3857956.64	0.24356	0.3113	0.6925	0.04283	9.09E-04	9.29E-03	4.42E-03	1.35E-04	1.47E-02	8.27E-04	9.40E-09	5.89E-05	3.69E-06	8.89E-04	1.05E-03	9.29E-03	4.42E-03	1.35E-04	1.49E-02
5441	489343.52	3857932.45	0.24693	0.29082	0.5522	0.04046	9.21E-04	8.68E-03	3.52E-03	1.28E-04	1.32E-02	8.38E-04	8.78E-09	4.70E-05	3.48E-06	8.89E-04	1.07E-03	8.68E-03	3.52E-03	1.28E-04	1.34E-02
5442	489866.19	3857923.19	0.23399	0.25677	0.3403	0.03769	8.73E-04	7.66E-03	2.17E-03	1.19E-04	1.08E-02	7.94E-04	7.75E-09	2.89E-05	3.25E-06	8.27E-04	1.01E-03	7.66E-03	2.17E-03	1.19E-04	1.10E-02
5443	489955.65	3857902.27	0.2351	0.24757	0.3246	0.03711	8.77E-04	7.39E-03	2.07E-03	1.17E-04	1.05E-02	7.98E-04	7.48E-09	2.76E-05	3.20E-06	8.29E-04	1.01E-03	7.39E-03	2.07E-03	1.17E-04	1.06E-02
5444	490079.44	3857847.9	0.23964	0.23768	0.3096	0.03591	8.94E-04	7.09E-03	1.98E-03	1.13E-04	1.01E-02	8.14E-04	7.18E-09	2.63E-05	3.09E-06	8.43E-04	1.03E-03	7.09E-03	1.98E-03	1.13E-04	1.02E-02
5445	490108.49	3857934.13	0.22357	0.24677	0.285	0.03747	8.34E-04	7.36E-03	1.82E-03	1.18E-04	1.01E-02	7.59E-04	7.45E-09	2.42E-05	3.23E-06	7.86E-04	9.65E-04	7.36E-03	1.82E-03	1.18E-04	1.03E-02
5446	489884.48	3858014.17	0.21701	0.27006	0.3014	0.03958	8.10E-04	8.06E-03	1.92E-03	1.25E-04	1.09E-02	7.37E-04	8.16E-09	2.56E-05	3.41E-06	7.66E-04	9.36E-04	8.06E-03	1.92E-03	1.25E-04	1.10E-02
5447	489326.56	3858025.86	0.22558	0.30983	0.4845	0.04282	8.42E-04	9.24E-03	3.09E-03	1.35E-04	1.33E-02	7.66E-04	9.36E-09	4.12E-05	3.69E-06	8.11E-04	9.73E-04	9.24E-03	3.09E-03	1.35E-04	1.34E-02
5448	489130.38	3858056.71	0.21965	0.33136	0.5679	0.04578	8.20E-04	9.89E-03	3.62E-03	1.45E-04	1.45E-02	7.46E-04	1.00E-08	4.83E-05	3.94E-06	7.98E-04	9.48E-04	9.89E-03	3.62E-03	1.45E-04	1.46E-02
5449	488936.49	3858143.93	0.19532	0.37316	0.5306	0.05141	7.29E-04	1.11E-02	3.38E-03	1.62E-04	1.54E-02	6.63E-04	1.13E-08	4.51E-05	4.43E-06	7.13E-04	8.43E-04	1.11E-02	3.38E-03	1.62E-04	1.55E-02
5450	488638.08	3858327.45	0.15672	0.47643	0.2351	0.06772	5.85E-04	1.42E-02	1.50E-03	2.14E-04	1.65E-02	5.32E-04	1.44E-08	2.00E-05	5.83E-06	5.58E-04	6.76E-04	1.42E-02	1.50E-03	2.14E-04	1.66E-02
5451	488663.79	3858349.57	0.15376	0.47973	0.2081	0.06806	5.74E-04	1.43E-02	1.33E-03	2.15E-04	1.64E-02	5.22E-04	1.45E-08	1.77E-05	5.86E-06	5.46E-04	6.63E-04	1.43E-02	1.33E-03	2.15E-04	1.65E-02
5452	488694.56	3858349.5	0.15348	0.47367	0.2144	0.06692	5.73E-04	1.41E-02	1.37E-03	2.11E-04	1.63E-02	5.21E-04	1.43E-08	1.82E-05	5.76E-06	5.45E-04	6.62E-04	1.41E-02	1.37E-03	2.11E-04	1.64E-02
5453	488694.35	3858336.75	0.15512	0.46888	0.2322	0.0662	5.79E-04	1.40E-02	1.48E-03	2.09E-04	1.63E-02	5.27E-04	1.42E-08	1.97E-05	5.70E-06	5.52E-04	6.69E-04	1.40E-02	1.48E-03	2.09E-04	1.63E-02
5454	488712.81	3858336.38	0.15507	0.46526	0.2353	0.06555	5.79E-04	1.39E-02	1.50E-03	2.07E-04	1.62E-02	5.26E-04	1.41E-08	2.00E-05	5.64E-06	5.52E-04	6.69E-04	1.39E-02	1.50E-03	2.07E-04	1.63E-02
5455	488713.23	3858367.46	0.15107	0.47716	0.1949	0.06728	5.64E-04	1.42E-02	1.24E-03	2.12E-04	1.63E-02	5.13E-04	1.44E-08	1.66E-05	5.79E-06	5.35E-04	6.52E-04	1.42E-02	1.24E-03	2.12E-04	1.63E-02
5456	488704.63	3858384.05	0.14914	0.48569	0.1742	0.06853	5.57E-04	1.45E-02	1.11E-03	2.16E-04	1.64E-02	5.06E-04	1.47E-08	1.48E-05	5.90E-06	5.27E-04	6.44E-04	1.45E-02	1.11E-03	2.16E-04	1.65E-02
5457	488604.15	3858488.29	0.14047	0.55634	0.078	0.07863	5.24E-04	1.66E-02	4.98E-04	2.48E-04	1.79E-02	4.77E-04	1.68E-08	6.64E-06	6.77E-06	4.90E-04	6.06E-04	1.66E-02	4.98E-04	2.48E-04	1.79E-02
5458	488605.66	3858550.47	0.13484	0.59426	0.0579	0.08102	5.03E-04	1.77E-02	3.69E-04	2.56E-04	1.89E-02	4.58E-04	1.79E-08	4.92E-06	6.98E-06	4.70E-04	5.82E-04	1.77E-02	3.69E-04	2.56E-04	1.89E-02
5459	488692.68	3858548.71	0.13341	0.57465	0.0673	0.07678	4.98E-04	1.71E-02	4.29E-04	2.42E-04	1.83E-02	4.53E-04	1.74E-08	5.73E-06	6.61E-06	4.65E-04	5.76E-04	1.71E-02	4.29E-04	2.42E-04	1.84E-02
5460	488759.93	3858461.81	0.14017	0.50915	0.1179	0.0705	5.23E-04	1.52E-02	7.52E-04	2.23E-04	1.67E-02	4.76E-04	1.54E-08	1.00E-05	6.07E-06	4.92E-04	6.05E-04	1.52E-02	7.52E-04	2.23E-04	1.68E-02
5461	488816.57	3858541.79	0.13195	0.54486	0.0841	0.07161	4.92E-04	1.63E-02	5.36E-04	2.26E-04	1.75E-02	4.48E-04	1.65E-08	7.15E-06	6.17E-06	4.61E-04	5.69E-04	1.63E-02	5.36E-04	2.26E-04	1.76E-02
5462	488944.63	3858656.77	0.12113	0.6181	0.0603	0.07257	4.52E-04	1.84E-02	3.84E-04	2.29E-04	1.95E-02	4.11E-04	1.87E-08	5.12E-06	6.25E-06	4.23E-04	5.23E-04	1.84E-02	3.84E-04	2.29E-04	1.96E-02
5463	489134.91	3858830.7	0.10752	0.77025	0.0415	0.08093	4.01E-04	2.30E-02	2.65E-04	2.56E-04	2.39E-02	3.65E-04	2.33E-08	3.53E-06	6.97E-06	3.76E-04	4.64E-04	2.30E-02	2.65E-04	2.56E-04	2.40E-02
5464	489193.99	3858886.05	0.10374	0.81128	0.0377	0.08556	3.87E-04	2.42E-02	2.40E-04	2.70E-04	2.51E-02	3.52E-04	2.45E-08	3.20E-06	7.37E-06	3.63E-04	4.48E-04	2.42E-02	2.40E-04	2.70E-04	2.52E-02
5465	489295.2	3858954.34	0.09891	0.82529	0.0345	0.09001	3.69E-04	2.46E-02	2.20E-04	2.84E-04	2.55E-02	3.36E-04	2.49E-08	2.94E-06	7.75E-06	3.47E-04	4.27E-04	2.46E-02	2.20E-04	2.84E-04	2.56E-02
5466	489295.64	3858992.74	0.09713	0.86228	0.0318	0.09408	3.62E-04	2.57E-02	2.03E-04	2.97E-04	2.66E-02	3.30E-04	2.60E-08	2.70E-06	8.10E-06	3.41E-04	4.19E-04	2.57E-02	2.03E-04	2.97E-04	2.66E-02
5467	489183.74	3858911.72	0.10264	0.85083	0.0352	0.0886	3.83E-04	2.54E-02	2.24E-04	2.80E-04	2.63E-02	3.48E-04	2.57E-08	2.99E-06	7.63E-06	3.59E-04	4.43E-04	2.54E-02	2.24E-04	2.80E-04	2.63E-02
5468	488873.37	3858625.59	0.12451	0.60151	0.0626	0.07286	4.65E-04	1.79E-02	3.99E-04	2.30E-04	1.90E-02	4.23E-04	1.82E-08	5.32E-06	6.27E-06	4.34E-04	5.37E-04	1.79E-02	3.99E-04	2.30E-04	1.91E-02
5469	488842.84	3858658.69	0.12255	0.6452	0.0528	0.0754	4.57E-04	1.92E-02	3.37E-04	2.38E-04	2.03E-02	4.16E-04	1.95E-08	4.49E-06	6.49E-06	4.27E-04	5.29E-04	1.92E-02	3.37E-04	2.38E-04	2.04E-02
5470	488856.39	3858670.93	0.12159	0.65532	0.0514	0.07561	4.54E-04	1.96E-02	3.28E-04	2.39E-04	2.06E-02	4.13E-04	1.98E-08	4.37E-06	6.51E-06	4.24E-04	5.25E-04	1.96E-02	3.28E-04	2.39E-04	2.06E-02
5471	488805.7	3858724.5	0.11873	0.74984	0.0402	0.08044	4.43E-04	2.24E-02	2.56E-04	2.54E-04	2.33E-02	4.03E-04	2.26E-08	3.41E-06	6.93E-06	4.13E-04	5.12E-04	2.24E-02	2.56E-04	2.54E-04	2.34E-02
5472	488805.87	3858804.16	0.11331	0.91896	0.032	0.08674	4.23E-04	2.74E-02	2.04E-04	2.74E-04	2.83E-02	3.85E-04	2.78E-08	2.72E-06	7.47E-06	3.95E-04	4.89E-04	2.74E-02	2.04E-04	2.74E-04	2.84E-02
5473	488995.78	3858936.96	0.1037	1.07318	0.0281	0.09617	3.87E-04	3.20E-02	1.79E-04	3.04E-04	3.29E-02	3.52E-04	3.24E-08	2.39E-06	8.28E-06	3.63E-04	4.47E-04	3.20E-02	1.79E-04	3.04E-04	3.29E-02
5474	489130.76	3859017.38	0.09837	1.03794	0.0267	0.10343	3.67E-04	3.10E-02	1.71E-04	3.27E-04	3.18E-02	3.34E-04	3.13E-08	2.27E-06	8.91E-06	3.45E-04	4.24E-04	3.10E-02	1.71E-04	3.27E-04	3.19E-02
5475	489130.92	3859052.24	0.09676	1.07384	0.025	0.10854	3.61E-04	3.20E-02	1.60E-04	3.43E-04	3.29E-02	3.29E-04	3.24E-08	2.13E-06	9.35E-06	3.40E-04	4.18E-04	3.20E-02	1.60E-04	3.43E-04	3.30E-02
5476	489200.33	3859090.6	0.09423	1.02859	0.0246	0.11097	3.52E-04	3.07E-02	1.57E-04	3.50E-04	3.15E-02	3.20E-04	3.11E-08	2.09E-06	9.56E-06	3.32E-04	4.07E-04	3.07E-02	1.57E-04	3.50E-04	3.16E-02
5477	489296.07	3859143.7	0.09084	0.96625	0.024	0.11395	3.39E-04	2.88E-02	1.53E-04	3.60E-04	2.97E-02	3.08E-04	2.92E-08	2.04E-06	9.81E-06	3.20E-04	3.92E-04	2.88E-02	1.53E-04	3.60E-04	2.97E-02
5478	489296.43	3858954.74	0.09888	0.8249	0.0345	0.09001	3.69E-04	2.46E-02	2.20E-04	2.84E-04	2.55E-02	3.36E-04	2.49E-08	2.94E-06	7.75E-06	3.46E-04	4.27E-04	2.46E-02	2.20E-04	2.84E-04	2.55E-02
5479	489410.33	3859033.19	0.09383	0.81195	0.0315	0.09417	3.50E-04	2.42E-02	2.01E-04	2.97E-04	2.51E-02	3.19E-04	2.45E-08	2.68E-06	8.11E-06	3.29E-04	4.05E-04	2.42E-02	2.01E-04	2.97E-04	2.51E-02
5480	489371.37	3859089.8	0.092	0.87512	0.0277	0.10252	3.43E-04	2.61E-02	1.77E-04	3.24E-04	2.70E-02	3.12E-04	2.64E-08	2.36E-06	8.83E-06	3.24E-04	3.97E-04	2.61E-02	1.77E-04	3.24E-04	2.70E-02
5481	489390.52	3859102.82	0.09122	0.8677	0.0274	0.10333	3.40E-04	2.59E-02	1.75E-04	3.26E-04	2.67E-02	3.10E-04	2.62E-08	2.33E-06	8.90E-06	3.21E-04	3.94E-04	2.59E-02	1.75E-04	3.26E-04	2.68E-02
5482	489382.3	3859114.53	0.0909	0.87893	0.0267	0.10523	3.39E-04	2.62E-02	1.70E-04	3.32E-04	2.71E-02	3.09E-04	2.65E-08	2.27E-06	9.06E-06	3.20E-04	3.92E-04	2.62E-02	1.70E-04	3.32E-04	2.71E-02
5483	489363.04	3859102.45	0.09165	0.8875	0.027	0.10454	3.42E-04	2.65E-02	1.72E-04	3.30E-04	2.73E-02	3.11E-04	2.68E-08	2.29E-06	9.00E-06	3.22E-04	3.95E-04	2.65E-02	1.72E-04	3.30E-04	2.74E-02
5484	489337.52	3859140.71	0.09044	0.9285	0.0248	0.1112	3.37E-04	2.77E-02	1.58E-04	3.51E-04	2.85E-02	3.07E-04	2.80E-08	2.11E-06	9.58E-06	3.19E-04	3.90E-04	2.77E-02	1.58E-04	3.51E-04	2.86E-02
5485	489375.14	3859164.55	0.08907	0.90599	0.0245	0.1124	3.32E-04	2.70E-02	1.56E-04	3.55E-04	2.79E-02	3.02E-04	2.74E-08	2.08E-06	9.68E-06	3.14E-04	3.84E-04	2.70E-02	1.56E-04	3.55E-04	2.79E-02
5486	489409.3	3859114.5	0.0905	0.8595	0.0271	0.10394	3.38E-04	2.56E-02	1.73E-04	3.28E-04	2.65E-02	3.07E-04	2.60E-08	2.31E-06	8.95E-06	3.19E-04	3.91E-04	2.56E-02	1.73E-04	3.28E-04	2.65E-02

5487	489434.87	3859131.81	0.08953	0.84733	0.0267	0.10483	3.34E-04	2.53E-02	1.71E-04	3.31E-04	2.61E-02	3.04E-04	2.56E-08	2.27E-06	9.03E-06	3.15E-04	3.86E-04	2.53E-02	1.71E-04	3.31E-04	2.62E-02
5488	489471.87	3859075.75	0.09129	0.79569	0.0301	0.09647	3.41E-04	2.37E-02	1.92E-04	3.05E-04	2.46E-02	3.10E-04	2.40E-08	2.56E-06	8.31E-06	3.21E-04	3.94E-04	2.37E-02	1.92E-04	3.05E-04	2.46E-02
5489	489602.62	3859164.69	0.08622	0.75056	0.0276	0.0994	3.22E-04	2.24E-02	1.76E-04	3.14E-04	2.32E-02	2.93E-04	2.27E-08	2.34E-06	8.56E-06	3.04E-04	3.72E-04	2.24E-02	1.76E-04	3.14E-04	2.33E-02
5490	489558.29	3859232.45	0.08437	0.7896	0.0244	0.10787	3.15E-04	2.36E-02	1.56E-04	3.41E-04	2.44E-02	2.86E-04	2.38E-08	2.08E-06	9.29E-06	2.98E-04	3.64E-04	2.36E-02	1.56E-04	3.41E-04	2.44E-02
5491	489620.11	3859273.56	0.08217	0.75906	0.0236	0.10662	3.07E-04	2.26E-02	1.51E-04	3.37E-04	2.34E-02	2.79E-04	2.29E-08	2.01E-06	9.18E-06	2.90E-04	3.55E-04	2.26E-02	1.51E-04	3.37E-04	2.35E-02
5492	489666.06	3859206.42	0.08391	0.72648	0.0265	0.09917	3.13E-04	2.17E-02	1.69E-04	3.13E-04	2.25E-02	2.85E-04	2.19E-08	2.25E-06	8.54E-06	2.96E-04	3.62E-04	2.17E-02	1.69E-04	3.13E-04	2.25E-02
5493	489787.9	3859285.65	0.07985	0.67683	0.0248	0.09616	2.98E-04	2.02E-02	1.58E-04	3.04E-04	2.10E-02	2.71E-04	2.04E-08	2.11E-06	8.28E-06	2.81E-04	3.45E-04	2.02E-02	1.58E-04	3.04E-04	2.10E-02
5494	489752.17	3859343.13	0.0784	0.69363	0.0227	0.10111	2.93E-04	2.07E-02	1.45E-04	3.19E-04	2.14E-02	2.66E-04	2.09E-08	1.93E-06	8.71E-06	2.77E-04	3.38E-04	2.07E-02	1.45E-04	3.19E-04	2.15E-02
5495	489814.94	3859385.33	0.07643	0.66507	0.022	0.09882	2.85E-04	1.98E-02	1.41E-04	3.12E-04	2.06E-02	2.59E-04	2.01E-08	1.87E-06	8.51E-06	2.70E-04	3.30E-04	1.98E-02	1.41E-04	3.12E-04	2.06E-02
5496	489853.42	3859330.74	0.0777	0.651	0.0238	0.0941	2.90E-04	1.94E-02	1.52E-04	2.97E-04	2.02E-02	2.64E-04	1.97E-08	2.03E-06	8.10E-06	2.74E-04	3.35E-04	1.94E-02	1.52E-04	2.97E-04	2.02E-02
5497	489969.5	3859401.91	0.07438	0.60773	0.0226	0.09002	2.78E-04	1.81E-02	1.44E-04	2.84E-04	1.88E-02	2.53E-04	1.84E-08	1.92E-06	7.75E-06	2.62E-04	3.21E-04	1.81E-02	1.44E-04	2.84E-04	1.89E-02
5498	490166.91	3859486.96	0.07012	0.54973	0.0215	0.08126	2.62E-04	1.64E-02	1.37E-04	2.57E-04	1.71E-02	2.38E-04	1.66E-08	1.83E-06	7.00E-06	2.47E-04	3.03E-04	1.64E-02	1.37E-04	2.57E-04	1.71E-02
5499	490128.86	3859571.46	0.06793	0.55832	0.0194	0.08334	2.53E-04	1.67E-02	1.24E-04	2.63E-04	1.73E-02	2.31E-04	1.69E-08	1.65E-06	7.18E-06	2.39E-04	2.93E-04	1.67E-02	1.24E-04	2.63E-04	1.73E-02
5500	490186.65	3859593.65	0.06689	0.54317	0.0193	0.07998	2.50E-04	1.62E-02	1.23E-04	2.53E-04	1.68E-02	2.27E-04	1.64E-08	1.64E-06	6.89E-06	2.36E-04	2.89E-04	1.62E-02	1.23E-04	2.53E-04	1.69E-02
5501	490223.74	3859517.48	0.06886	0.53466	0.0211	0.07859	2.57E-04	1.60E-02	1.34E-04	2.48E-04	1.66E-02	2.34E-04	1.61E-08	1.79E-06	6.77E-06	2.42E-04	2.97E-04	1.60E-02	1.34E-04	2.48E-04	1.66E-02
5502	490846.34	3859817.22	0.05891	0.40329	0.0183	0.05037	2.20E-04	1.20E-02	1.17E-04	1.59E-04	1.25E-02	2.00E-04	1.22E-08	1.56E-06	4.34E-06	2.06E-04	2.54E-04	1.20E-02	1.17E-04	1.59E-04	1.26E-02
5503	490925.65	3859844.59	0.05818	0.38878	0.0182	0.04786	2.17E-04	1.16E-02	1.16E-04	1.51E-04	1.21E-02	1.98E-04	1.17E-08	1.55E-06	4.12E-06	2.03E-04	2.51E-04	1.16E-02	1.16E-04	1.51E-04	1.21E-02
5504	491159.29	3859896.28	0.05649	0.35785	0.0179	0.04241	2.11E-04	1.07E-02	1.14E-04	1.34E-04	1.11E-02	1.92E-04	1.08E-08	1.53E-06	3.65E-06	1.97E-04	2.44E-04	1.07E-02	1.14E-04	1.34E-04	1.12E-02
5505	491370.69	3859960.89	0.05444	0.33104	0.0172	0.03811	2.03E-04	9.88E-03	1.09E-04	1.20E-04	1.03E-02	1.85E-04	1.00E-08	1.46E-06	3.28E-06	1.90E-04	2.35E-04	9.88E-03	1.09E-04	1.20E-04	1.03E-02
5506	491330.28	3860063.17	0.05124	0.32878	0.0155	0.03643	1.91E-04	9.81E-03	9.87E-05	1.15E-04	1.02E-02	1.74E-04	9.93E-09	1.32E-06	3.14E-06	1.78E-04	2.21E-04	9.81E-03	9.87E-05	1.15E-04	1.02E-02
5507	491636.45	3860180.75	0.04877	0.28452	0.0149	0.03045	1.82E-04	8.49E-03	9.48E-05	9.61E-05	8.86E-03	1.66E-04	8.59E-09	1.26E-06	2.62E-06	1.69E-04	2.10E-04	8.49E-03	9.48E-05	9.61E-05	8.89E-03
5508	491617.94	3860203.93	0.04814	0.28391	0.0145	0.03003	1.80E-04	8.47E-03	9.27E-05	9.48E-05	8.84E-03	1.63E-04	8.57E-09	1.24E-06	2.59E-06	1.67E-04	2.08E-04	8.47E-03	9.27E-05	9.48E-05	8.87E-03
5509	491805.68	3860271.59	0.0468	0.26	0.0142	0.02713	1.75E-04	7.76E-03	9.06E-05	8.57E-05	8.11E-03	1.59E-04	7.85E-09	1.21E-06	2.34E-06	1.62E-04	2.02E-04	7.76E-03	9.06E-05	8.57E-05	8.13E-03
5510	491654.23	3860414.02	0.04389	0.25539	0.0126	0.02455	1.64E-04	7.62E-03	8.01E-05	7.75E-05	7.94E-03	1.49E-04	7.71E-09	1.07E-06	2.11E-06	1.52E-04	1.89E-04	7.62E-03	8.01E-05	7.75E-05	7.97E-03
5511	491592.62	3860510.76	0.04207	0.24593	0.0117	0.02235	1.57E-04	7.34E-03	7.43E-05	7.06E-05	7.64E-03	1.43E-04	7.43E-09	9.91E-07	1.92E-06	1.46E-04	1.82E-04	7.34E-03	7.43E-05	7.06E-05	7.66E-03
5512	491475.41	3860368.93	0.04438	0.27518	0.0125	0.02617	1.66E-04	8.21E-03	7.95E-05	8.26E-05	8.54E-03	1.51E-04	8.31E-09	1.06E-06	2.25E-06	1.54E-04	1.92E-04	8.21E-03	7.95E-05	8.26E-05	8.56E-03
5513	491445.61	3860337.28	0.04496	0.28239	0.0127	0.02717	1.68E-04	8.42E-03	8.09E-05	8.58E-05	8.76E-03	1.53E-04	8.53E-09	1.08E-06	2.34E-06	1.56E-04	1.94E-04	8.42E-03	8.09E-05	8.58E-05	8.79E-03
5514	491399.05	3860300.37	0.04575	0.29248	0.0129	0.02857	1.71E-04	8.73E-03	8.25E-05	9.02E-05	9.07E-03	1.55E-04	8.83E-09	1.10E-06	2.46E-06	1.59E-04	1.97E-04	8.73E-03	8.25E-05	9.02E-05	9.10E-03
5515	491228.84	3860235.98	0.04722	0.32021	0.0132	0.03188	1.76E-04	9.55E-03	8.44E-05	1.01E-04	9.91E-03	1.60E-04	9.67E-09	1.13E-06	2.75E-06	1.64E-04	2.04E-04	9.55E-03	8.44E-05	1.01E-04	9.94E-03
5516	491228.47	3860174.57	0.0485	0.3288	0.0138	0.03395	1.81E-04	9.81E-03	8.82E-05	1.07E-04	1.02E-02	1.65E-04	9.93E-09	1.18E-06	2.92E-06	1.69E-04	2.09E-04	9.81E-03	8.82E-05	1.07E-04	1.02E-02
5517	491145.77	3860112.55	0.05011	0.34721	0.0144	0.03719	1.87E-04	1.04E-02	9.17E-05	1.17E-04	1.08E-02	1.70E-04	1.05E-08	1.22E-06	3.20E-06	1.75E-04	2.16E-04	1.04E-02	9.17E-05	1.17E-04	1.08E-02
5518	490844.41	3859966.22	0.05472	0.40363	0.0158	0.04635	2.04E-04	1.20E-02	1.00E-04	1.46E-04	1.25E-02	1.86E-04	1.22E-08	1.34E-06	3.99E-06	1.91E-04	2.36E-04	1.20E-02	1.00E-04	1.46E-04	1.25E-02
5519	490845.55	3859928.15	0.05565	0.40496	0.0163	0.0474	2.08E-04	1.21E-02	1.04E-04	1.50E-04	1.25E-02	1.89E-04	1.22E-08	1.38E-06	4.08E-06	1.94E-04	2.40E-04	1.21E-02	1.04E-04	1.50E-04	1.26E-02
5520	490046.91	3859625.6	0.06746	0.57739	0.0182	0.08735	2.52E-04	1.72E-02	1.16E-04	2.76E-04	1.79E-02	2.29E-04	1.74E-08	1.55E-06	7.52E-06	2.38E-04	2.91E-04	1.72E-02	1.16E-04	2.76E-04	1.79E-02
5521	489970.48	3859589.4	0.0692	0.59933	0.0185	0.09286	2.58E-04	1.79E-02	1.18E-04	2.93E-04	1.85E-02	2.35E-04	1.81E-08	1.58E-06	8.00E-06	2.45E-04	2.99E-04	1.79E-02	1.18E-04	2.93E-04	1.86E-02
5522	489865.89	3859529.06	0.07196	0.63473	0.0192	0.1002	2.69E-04	1.89E-02	1.22E-04	3.16E-04	1.96E-02	2.44E-04	1.92E-08	1.63E-06	8.63E-06	2.55E-04	3.11E-04	1.89E-02	1.22E-04	3.16E-04	1.97E-02
5523	489826.89	3859531.74	0.07234	0.64749	0.0189	0.10327	2.70E-04	1.93E-02	1.21E-04	3.26E-04	2.00E-02	2.46E-04	1.96E-08	1.61E-06	8.89E-06	2.56E-04	3.12E-04	1.93E-02	1.21E-04	3.26E-04	2.01E-02
5524	489410.47	3859303.06	0.08349	0.90085	0.0203	0.12584	3.12E-04	2.69E-02	1.29E-04	3.97E-04	2.77E-02	2.83E-04	2.72E-08	1.73E-06	1.08E-05	2.96E-04	3.60E-04	2.69E-02	1.29E-04	3.97E-04	2.78E-02
5525	489407.15	3859286.09	0.08415	0.90328	0.0208	0.12444	3.14E-04	2.69E-02	1.32E-04	3.93E-04	2.78E-02	2.86E-04	2.73E-08	1.76E-06	1.07E-05	2.98E-04	3.63E-04	2.69E-02	1.32E-04	3.93E-04	2.78E-02
5526	488806.07	3858963.62	0.10221	1.55777	0.0231	0.10508	3.81E-04	4.65E-02	1.47E-04	3.32E-04	4.73E-02	3.47E-04	4.70E-08	1.96E-06	9.05E-06	3.58E-04	4.41E-04	4.65E-02	1.47E-04	3.32E-04	4.74E-02
5527	488817.64	3859546.3	0.0695	1.81365	0.0111	0.286	2.59E-04	5.41E-02	7.11E-05	9.03E-04	5.53E-02	2.36E-04	5.48E-08	9.47E-07	2.46E-05	2.62E-04	3.00E-04	5.41E-02	7.11E-05	9.03E-04	5.54E-02
5528	489187.25	3859549.52	0.07169	0.99952	0.0145	0.19471	2.68E-04	2.98E-02	9.22E-05	6.15E-04	3.08E-02	2.43E-04	3.02E-08	1.23E-06	1.68E-05	2.61E-04	3.09E-04	2.98E-02	9.22E-05	6.15E-04	3.08E-02
5529	489187.66	3859523.74	0.0729	1.02281	0.0148	0.18979	2.72E-04	3.05E-02	9.41E-05	5.99E-04	3.15E-02	2.47E-04	3.09E-08	1.25E-06	1.63E-05	2.65E-04	3.15E-04	3.05E-02	9.41E-05	5.99E-04	3.15E-02
5530	489232.59	3859522.85	0.07341	0.97779	0.015	0.18024	2.74E-04	2.92E-02	9.59E-05	5.69E-04	3.01E-02	2.49E-04	2.95E-08	1.28E-06	1.55E-05	2.66E-04	3.17E-04	2.92E-02	9.59E-05	5.69E-04	3.02E-02
5531	489224.98	3859759.91	0.06325	0.85354	0.0125	0.1895	2.36E-04	2.55E-02	7.95E-05	5.98E-04	2.64E-02	2.15E-04	2.58E-08	1.06E-06	1.63E-05	2.32E-04	2.73E-04	2.55E-02	7.95E-05	5.98E-04	2.64E-02
5532	488401.39	3859763.34	0.05973	2.39435	0.0091	0.5523	2.23E-04	7.14E-02	5.79E-05	1.74E-03	7.35E-02	2.03E-04	7.23E-08	7.71E-07	4.76E-05	2.51E-04	2.58E-04	7.14E-02	5.79E-05	1.74E-03	7.35E-02
5533	488405.51	3859966.16	0.05377	2.44987	0.0084	0.15958	2.01E-04	7.31E-02	5.37E-05	5.04E-04	7.38E-02	1.83E-04	7.40E-08	7.16E-07	1.37E-05	1.97E-04	2.32E-04	7.31E-02	5.37E-05	5.04E-04	7.39E-02
5534	489202.85	3859956.57	0.05696	0.91753	0.0104	0.1669	2.13E-04	2.74E-02	6.63E-05	5.27E-04	2.82E-02	1.93E-04	2.77E-08	8.84E-07	1.44E-05	2.09E-04	2.46E-04	2.74E-02	6.63E-05	5.27E-04	2.82E-02
5535	489191.9	3860676.74	0.04089	0.65293	0.0061	0.03703	1.53E-04	1.95E-02	3.90E-05	1.17E-04	1.98E-02	1.39E-04	1.97E-08	5.20E-07	3.19E-06	1.43E-04	1.76E-04	1.95E-02	3.90E-05	1.17E-04	1.98E-02
5536	488392.82	3860687.88	0.03873	0.63294	0.0073	0.03539	1.45E-04	1.89E-02	4.66E-05	1.12E-04	1.92E-02	1.31E-04	1.91E-08	6.22E-07	3.05E-06	1.35E-04	1.67E-04	1.89E-02	4.66E-05	1.12E-04	1.92E-02
5537	488392.82	3860760.27	0.03782	0.46629	0.0073	0.02872	1.41E-04	1.39E-02	4.63E-05	9.07E-05	1.42E-02	1.28E-04	1.41E-08	6.17E-07	2.47E-06	1.32E-04	1.63E-04	1.39E-02	4.63E-05	9.07E-05	1.42E-02
5538	487549.05	3860777.45	0.03637	0.26236	0.0068	0.01768	1.36E-04	7.83E-03	4.36E-05	5.58E-05	8.06E-03	1.23E-04	7.92E-09	5.81E-07	1.52E-06	1.26E-04	1.57E-04	7.83E-03	4.36E-05	5.58E-05	8.08E-03
5539	487554.62	3859571.83	0.0622	1.06054	0.0093	0.06608	2.32E-04	3.16E-02	5.93E-05	2.09E-04	3.21E-02	2.11E-04	3.20E-08	7.90E-07	5.69E-06	2.18E-04	2.68E-04	3.16E-02	5.93E-05	2.09E-04	3.22E-02
5540	485949.46	3859558.54	0.06156	0.2446	0.0144	0.01752	2.30E-04	7.30E-03	9.21E-05	5.53E-05	7.67E-03	2.09E-04	7.39E-09	1.23E-06	1.51E-06	2.12E-04	2.66E-04	7.30E-03	9.21E-05	5.53E-05	7.71E-03
5541	485947.55	3857943.61	0.19379	0.5583	0.0209	0.02399	7.23E-04	1.67E-02	1.33E-04	7.57E-05	1.76E-02	6.58E-04	1.69E-08	1.78E-06	2.07E-06	6.62E-04	8.36E-04	1.67E-02	1.33E-04	7.57E-05	1.77E-02
5542	484738.38	3857940.21	0.14741	0.25527	0.0136	0.01574	5.50E-04	7.62E-03	8.67E-05	4.97E-05	8.30E-03	5.00E-04	7.71E-09	1.16E-06	1.36E-06	5.03E-04	6.36E-04	7.62E-03	8.67E-05	4.97E-05	8.39E-03
5543	484737.06	3857535.68	0.18978	0.47153	0.0137	0.01965	7.08E-04	1.41E-02	8.73E-05	6.20E-05	1.49E-02	6.44E-04	1.42E-08	1.16E-06	1.69E-06	6.47E-04	8.19E-04	1.41E-02	8.73E-05	6.20E-05	1.50E-02
5544	483730.2	3857530.13	0.13254	0.24706	0.0104	0.01874	4.95E-04	7.37E-03	6.64E-05	5.92E-05	7.99E-03	4.50E-04	7.46E-09	8.85E-07	1.61E-06	4.52E-04	5.72E-04	7.37E-03	6.64E-05	5.92E-05	8.07E-03
5545	483727.27	3857130.01	0.15629	0.46838	0.0116	0.0258	5.83E-04	1.40E-02	7.37E-05	8.15E-05	1.47E-02	5.31E-04	1.41E-08	9.82E-07	2.22E-06	5.34E-04	6.74E-04	1.40E-02	7.37E-05	8.15E-05	1.48E-02
5546	483124.42	3857123.45	0.12005	0.23169	0.01	0.01876	4.48E-04	6.91E-03	6.39E-05	5.92E-05	7.48E-03	4.08E-04	7.00E-09	8.52E-07	1.62E-06	4.10E-04	5.18E-04	6.91E-03	6.39E-05	5.92E-05	7.55E-03
5547	483111.13	3855921.03	0.16196	0.48883	0.0085	0.04674	6.04E-04	1.46E-02	5.39E-05	1.48E-04	1.54E-02	5.50E-04	1.48E-08	7.19E-07	4.02E-06	5.55E-04	6.99E-04	1.46E-02	5.39E-05	1.48E-04	1.55E-02

5548	482701.73	3855918.24	0.12693	0.24757	0.0089	0.02876	4.74E-04	7.39E-03	5.66E-05	9.08E-05	8.01E-03	4.31E-04	7.48E-09	7.54E-07	2.48E-06	4.34E-04	5.48E-04	7.39E-03	5.66E-05	9.08E-05	8.08E-03
5549	482668.02	3853521.78	0.04749	0.02731	0.0035	0.00809	1.77E-04	8.15E-04	2.24E-05	2.55E-05	1.04E-03	1.61E-04	8.25E-10	2.99E-07	6.97E-07	1.62E-04	2.05E-04	8.15E-04	2.24E-05	2.55E-05	1.07E-03
5550	482579.91	3853219.19	0.04558	0.02339	0.0033	0.00697	1.70E-04	6.98E-04	2.12E-05	2.20E-05	9.11E-04	1.55E-04	7.06E-10	2.82E-07	6.00E-07	1.56E-04	1.97E-04	6.98E-04	2.12E-05	2.20E-05	9.38E-04
5551	482434.06	3852961.94	0.04363	0.02053	0.0032	0.00618	1.63E-04	6.12E-04	2.02E-05	1.95E-05	8.15E-04	1.48E-04	6.20E-10	2.69E-07	5.32E-07	1.49E-04	1.88E-04	6.12E-04	2.02E-05	1.95E-05	8.40E-04
5552	482332.11	3852832.85	0.04166	0.01938	0.0031	0.00581	1.55E-04	5.78E-04	1.97E-05	1.83E-05	7.72E-04	1.41E-04	5.85E-10	2.63E-07	5.00E-07	1.42E-04	1.80E-04	5.78E-04	1.97E-05	1.83E-05	7.96E-04
5553	481334.99	3851818.96	0.02768	0.01425	0.0026	0.00414	1.03E-04	4.25E-04	1.67E-05	1.31E-05	5.58E-04	9.40E-05	4.30E-10	2.23E-07	3.56E-07	9.46E-05	1.19E-04	4.25E-04	1.67E-05	1.31E-05	5.74E-04
5554	481127.62	3851646.36	0.02555	0.01381	0.0026	0.00394	9.53E-05	4.12E-04	1.63E-05	1.24E-05	5.36E-04	8.67E-05	4.17E-10	2.17E-07	3.39E-07	8.73E-05	1.10E-04	4.12E-04	1.63E-05	1.24E-05	5.51E-04
5555	481025.04	3851591.73	0.02441	0.01369	0.0025	0.00387	9.11E-05	4.08E-04	1.61E-05	1.22E-05	5.28E-04	8.29E-05	4.13E-10	2.15E-07	3.33E-07	8.34E-05	1.05E-04	4.08E-04	1.61E-05	1.22E-05	5.42E-04
5556	480513.6	3851335.76	0.0192	0.01283	0.0025	0.00358	7.16E-05	3.83E-04	1.56E-05	1.13E-05	4.81E-04	6.52E-05	3.87E-10	2.08E-07	3.08E-07	6.57E-05	8.29E-05	3.83E-04	1.56E-05	1.13E-05	4.93E-04
5557	480523.56	3851317.66	0.01944	0.01273	0.0025	0.00358	7.25E-05	3.80E-04	1.56E-05	1.13E-05	4.79E-04	6.60E-05	3.84E-10	2.08E-07	3.08E-07	6.65E-05	8.39E-05	3.80E-04	1.56E-05	1.13E-05	4.91E-04
5558	476921.56	3849569.11	0.00962	0.0076	0.0019	0.00261	3.59E-05	2.27E-04	1.23E-05	8.24E-06	2.83E-04	3.27E-05	2.30E-10	1.64E-07	2.25E-07	3.30E-05	4.15E-05	2.27E-04	1.23E-05	8.24E-06	2.89E-04
5559	476521.19	3849373.96	0.00916	0.00652	0.0019	0.00256	3.42E-05	1.95E-04	1.20E-05	8.08E-06	2.49E-04	3.11E-05	1.97E-10	1.60E-07	2.20E-07	3.15E-05	3.95E-05	1.95E-04	1.20E-05	8.08E-06	2.54E-04
5560	476391.45	3849333.38	0.00908	0.00626	0.0019	0.00255	3.39E-05	1.87E-04	1.19E-05	8.05E-06	2.41E-04	3.08E-05	1.89E-10	1.58E-07	2.20E-07	3.12E-05	3.92E-05	1.87E-04	1.19E-05	8.05E-06	2.46E-04
5561	476219.41	3849304.29	0.00903	0.00593	0.0018	0.00255	3.37E-05	1.77E-04	1.17E-05	8.05E-06	2.30E-04	3.07E-05	1.79E-10	1.56E-07	2.20E-07	3.10E-05	3.90E-05	1.77E-04	1.17E-05	8.05E-06	2.36E-04
5562	475679.11	3849218.47	0.0088	0.00504	0.0018	0.00255	3.28E-05	1.50E-04	1.14E-05	8.05E-06	2.03E-04	2.99E-05	1.52E-10	1.52E-07	2.20E-07	3.02E-05	3.80E-05	1.50E-04	1.14E-05	8.05E-06	2.08E-04
5563	475677.71	3849233.88	0.00885	0.00508	0.0018	0.00256	3.30E-05	1.52E-04	1.14E-05	8.08E-06	2.04E-04	3.00E-05	1.53E-10	1.52E-07	2.20E-07	3.04E-05	3.82E-05	1.52E-04	1.14E-05	8.08E-06	2.09E-04
5564	475492.74	3849204.66	0.00824	0.00421	0.0018	0.00254	3.07E-05	1.26E-04	1.14E-05	8.02E-06	1.76E-04	2.80E-05	1.27E-10	1.51E-07	2.19E-07	2.83E-05	3.56E-05	1.26E-04	1.14E-05	8.02E-06	1.81E-04
5565	475497.64	3849158.75	0.00838	0.00444	0.0018	0.00253	3.13E-05	1.32E-04	1.13E-05	7.99E-06	1.83E-04	2.85E-05	1.34E-10	1.51E-07	2.18E-07	2.88E-05	3.62E-05	1.32E-04	1.13E-05	7.99E-06	1.88E-04
5566	475391.35	3849141.94	0.00855	0.00468	0.0018	0.00253	3.19E-05	1.40E-04	1.13E-05	7.99E-06	1.91E-04	2.90E-05	1.41E-10	1.51E-07	2.18E-07	2.94E-05	3.69E-05	1.40E-04	1.13E-05	7.99E-06	1.96E-04
5567	475277	3849095.47	0.00851	0.00472	0.0018	0.00252	3.18E-05	1.41E-04	1.12E-05	7.96E-06	1.92E-04	2.89E-05	1.43E-10	1.49E-07	2.17E-07	2.93E-05	3.67E-05	1.41E-04	1.12E-05	7.96E-06	1.97E-04
5568	475183.93	3849025.66	0.00835	0.00463	0.0017	0.0025	3.12E-05	1.38E-04	1.11E-05	7.89E-06	1.88E-04	2.83E-05	1.40E-10	1.48E-07	2.15E-07	2.87E-05	3.60E-05	1.38E-04	1.11E-05	7.89E-06	1.93E-04
5569	474453.23	3848378.77	0.00721	0.0041	0.0016	0.00233	2.69E-05	1.22E-04	1.05E-05	7.36E-06	1.67E-04	2.45E-05	1.24E-10	1.39E-07	2.01E-07	2.48E-05	3.11E-05	1.22E-04	1.05E-05	7.36E-06	1.71E-04
5570	474569.63	3848399.34	0.00718	0.00403	0.0017	0.00233	2.68E-05	1.20E-04	1.05E-05	7.36E-06	1.65E-04	2.44E-05	1.22E-10	1.40E-07	2.01E-07	2.47E-05	3.10E-05	1.20E-04	1.05E-05	7.36E-06	1.69E-04
5571	474644.33	3848464.52	0.0073	0.00411	0.0017	0.00235	2.72E-05	1.23E-04	1.06E-05	7.42E-06	1.68E-04	2.48E-05	1.24E-10	1.41E-07	2.02E-07	2.51E-05	3.15E-05	1.23E-04	1.06E-05	7.42E-06	1.72E-04
5572	474719.04	3848529.7	0.0074	0.00416	0.0017	0.00236	2.76E-05	1.24E-04	1.07E-05	7.45E-06	1.70E-04	2.51E-05	1.26E-10	1.42E-07	2.03E-07	2.55E-05	3.19E-05	1.24E-04	1.07E-05	7.45E-06	1.74E-04
5573	474793.74	3848594.88	0.00748	0.00416	0.0017	0.00238	2.79E-05	1.24E-04	1.07E-05	7.51E-06	1.70E-04	2.54E-05	1.26E-10	1.43E-07	2.05E-07	2.57E-05	3.23E-05	1.24E-04	1.07E-05	7.51E-06	1.75E-04
5574	474868.45	3848660.07	0.00753	0.00413	0.0017	0.00239	2.81E-05	1.23E-04	1.08E-05	7.55E-06	1.70E-04	2.56E-05	1.25E-10	1.44E-07	2.06E-07	2.59E-05	3.25E-05	1.23E-04	1.08E-05	7.55E-06	1.74E-04
5575	474943.15	3848725.25	0.00761	0.00414	0.0017	0.00241	2.84E-05	1.24E-04	1.08E-05	7.61E-06	1.70E-04	2.58E-05	1.25E-10	1.45E-07	2.08E-07	2.62E-05	3.28E-05	1.24E-04	1.08E-05	7.61E-06	1.75E-04
5576	475017.86	3848790.43	0.00775	0.00422	0.0017	0.00243	2.89E-05	1.26E-04	1.09E-05	7.67E-06	1.73E-04	2.63E-05	1.27E-10	1.45E-07	2.09E-07	2.67E-05	3.34E-05	1.26E-04	1.09E-05	7.67E-06	1.78E-04
5577	475092.56	3848855.61	0.00791	0.00434	0.0017	0.00245	2.95E-05	1.29E-04	1.10E-05	7.74E-06	1.78E-04	2.69E-05	1.31E-10	1.46E-07	2.11E-07	2.72E-05	3.41E-05	1.29E-04	1.10E-05	7.74E-06	1.82E-04
5578	475232.58	3848959.38	0.00814	0.00448	0.0017	0.00248	3.04E-05	1.34E-04	1.11E-05	7.83E-06	1.83E-04	2.76E-05	1.35E-10	1.48E-07	2.14E-07	2.80E-05	3.51E-05	1.34E-04	1.11E-05	7.83E-06	1.88E-04
5579	475368.47	3849029.98	0.00824	0.0045	0.0018	0.00249	3.07E-05	1.34E-04	1.12E-05	7.86E-06	1.84E-04	2.80E-05	1.36E-10	1.49E-07	2.14E-07	2.83E-05	3.56E-05	1.34E-04	1.12E-05	7.86E-06	1.89E-04
5580	475609.57	3849096.09	0.0083	0.00453	0.0018	0.00251	3.10E-05	1.35E-04	1.13E-05	7.93E-06	1.85E-04	2.82E-05	1.37E-10	1.51E-07	2.16E-07	2.85E-05	3.58E-05	1.35E-04	1.13E-05	7.93E-06	1.90E-04
5581	475680.68	3849116.62	0.00843	0.00473	0.0018	0.00251	3.15E-05	1.41E-04	1.14E-05	7.93E-06	1.92E-04	2.86E-05	1.43E-10	1.51E-07	2.16E-07	2.90E-05	3.64E-05	1.41E-04	1.14E-05	7.93E-06	1.97E-04
5582	475843.76	3849151.52	0.00858	0.00502	0.0018	0.00252	3.20E-05	1.50E-04	1.14E-05	7.96E-06	2.01E-04	2.91E-05	1.52E-10	1.52E-07	2.17E-07	2.95E-05	3.70E-05	1.50E-04	1.14E-05	7.96E-06	2.06E-04
5583	475935.73	3849165.89	0.00869	0.00532	0.0018	0.00252	3.24E-05	1.59E-04	1.15E-05	7.96E-06	2.11E-04	2.95E-05	1.61E-10	1.53E-07	2.17E-07	2.99E-05	3.75E-05	1.59E-04	1.15E-05	7.96E-06	2.16E-04
5584	476027.71	3849180.27	0.00876	0.0056	0.0018	0.00252	3.27E-05	1.67E-04	1.15E-05	7.96E-06	2.19E-04	2.97E-05	1.69E-10	1.54E-07	2.17E-07	3.01E-05	3.78E-05	1.67E-04	1.15E-05	7.96E-06	2.24E-04
5585	476119.68	3849194.64	0.00873	0.00558	0.0018	0.00252	3.26E-05	1.66E-04	1.17E-05	7.96E-06	2.19E-04	2.96E-05	1.69E-10	1.56E-07	2.17E-07	3.00E-05	3.77E-05	1.66E-04	1.17E-05	7.96E-06	2.24E-04
5586	476211.65	3849209.01	0.00874	0.0057	0.0018	0.00252	3.26E-05	1.70E-04	1.17E-05	7.96E-06	2.22E-04	2.97E-05	1.72E-10	1.56E-07	2.17E-07	3.00E-05	3.77E-05	1.70E-04	1.17E-05	7.96E-06	2.27E-04
5587	476497.8	3849283.9	0.00889	0.0063	0.0019	0.00253	3.32E-05	1.88E-04	1.19E-05	7.99E-06	2.41E-04	3.02E-05	1.90E-10	1.59E-07	2.18E-07	3.06E-05	3.84E-05	1.88E-04	1.19E-05	7.99E-06	2.46E-04
5588	476603.73	3849323.77	0.00899	0.0066	0.0019	0.00254	3.35E-05	1.97E-04	1.21E-05	8.02E-06	2.51E-04	3.05E-05	1.99E-10	1.61E-07	2.19E-07	3.09E-05	3.88E-05	1.97E-04	1.21E-05	8.02E-06	2.56E-04
5589	476728.99	3849382.76	0.00912	0.00691	0.0019	0.00255	3.40E-05	2.06E-04	1.22E-05	8.05E-06	2.60E-04	3.10E-05	2.09E-10	1.62E-07	2.20E-07	3.13E-05	3.94E-05	2.06E-04	1.22E-05	8.05E-06	2.66E-04
5590	476801.27	3849418.65	0.0092	0.00712	0.0019	0.00256	3.43E-05	2.12E-04	1.22E-05	8.08E-06	2.67E-04	3.12E-05	2.15E-10	1.63E-07	2.20E-07	3.16E-05	3.97E-05	2.12E-04	1.22E-05	8.08E-06	2.72E-04
5591	476956.2	3849495.05	0.00937	0.00756	0.0019	0.00258	3.50E-05	2.26E-04	1.24E-05	8.15E-06	2.81E-04	3.18E-05	2.28E-10	1.65E-07	2.22E-07	3.22E-05	4.04E-05	2.26E-04	1.24E-05	8.15E-06	2.86E-04
5592	477038.84	3849535.56	0.00945	0.00769	0.002	0.00259	3.53E-05	2.29E-04	1.24E-05	8.18E-06	2.85E-04	3.21E-05	2.32E-10	1.66E-07	2.23E-07	3.25E-05	4.08E-05	2.29E-04	1.24E-05	8.18E-06	2.91E-04
5593	477121.48	3849576.08	0.00954	0.00791	0.002	0.0026	3.56E-05	2.36E-04	1.25E-05	8.21E-06	2.92E-04	3.24E-05	2.39E-10	1.67E-07	2.24E-07	3.28E-05	4.12E-05	2.36E-04	1.25E-05	8.21E-06	2.98E-04
5594	477204.13	3849616.6	0.00961	0.00803	0.002	0.00261	3.59E-05	2.40E-04	1.26E-05	8.24E-06	2.96E-04	3.26E-05	2.42E-10	1.68E-07	2.25E-07	3.30E-05	4.15E-05	2.40E-04	1.26E-05	8.24E-06	3.02E-04
5595	477286.78	3849657.12	0.00965	0.0079	0.002	0.00263	3.60E-05	2.36E-04	1.26E-05	8.30E-06	2.93E-04	3.28E-05	2.39E-10	1.68E-07	2.26E-07	3.32E-05	4.16E-05	2.36E-04	1.26E-05	8.30E-06	2.98E-04
5596	477369.42	3849697.63	0.00978	0.00842	0.002	0.00264	3.65E-05	2.51E-04	1.28E-05	8.34E-06	3.09E-04	3.32E-05	2.54E-10	1.70E-07	2.27E-07	3.36E-05	4.22E-05	2.51E-04	1.28E-05	8.34E-06	3.14E-04
5597	477452.07	3849738.15	0.00986	0.00856	0.002	0.00265	3.68E-05	2.55E-04	1.28E-05	8.37E-06	3.13E-04	3.35E-05	2.58E-10	1.71E-07	2.28E-07	3.39E-05	4.25E-05	2.55E-04	1.28E-05	8.37E-06	3.19E-04
5598	477534.71	3849778.67	0.00996	0.00895	0.002	0.00266	3.72E-05	2.67E-04	1.29E-05	8.40E-06	3.25E-04	3.38E-05	2.70E-10	1.72E-07	2.29E-07	3.42E-05	4.30E-05	2.67E-04	1.29E-05	8.40E-06	3.31E-04
5599	477617.35	3849819.18	0.01004	0.00909	0.002	0.00268	3.75E-05	2.71E-04	1.29E-05	8.46E-06	3.30E-04	3.41E-05	2.75E-10	1.73E-07	2.31E-07	3.45E-05	4.33E-05	2.71E-04	1.29E-05	8.46E-06	3.36E-04
5600	477824.74	3849896.37	0.01016	0.00953	0.0021	0.00271	3.79E-05	2.84E-04	1.31E-05	8.56E-06	3.44E-04	3.45E-05	2.88E-10	1.75E-07	2.33E-07	3.49E-05	4.38E-05	2.84E-04	1.31E-05	8.56E-06	3.50E-04
5601	477906.31	3849936.37	0.01018	0.0093	0.0021	0.00273	3.80E-05	2.77E-04	1.32E-05	8.62E-06	3.37E-04	3.46E-05	2.81E-10	1.76E-07	2.35E-07	3.50E-05	4.39E-05	2.77E-04	1.32E-05	8.62E-06	3.43E-04
5602	477987.89	3849976.36	0.01027	0.00955	0.0021	0.00275	3.83E-05	2.85E-04	1.33E-05	8.68E-06	3.45E-04	3.49E-05	2.88E-10	1.77E-07	2.37E-07	3.53E-05	4.43E-05	2.85E-04	1.33E-05	8.68E-06	3.51E-04
5603	478069.47	3850016.36	0.0103	0.0094	0.0021	0.00277	3.84E-05	2.80E-04	1.33E-05	8.75E-06	3.41E-04	3.50E-05	2.84E-10	1.78E-07	2.39E-07	3.54E-05	4.44E-05	2.80E-04	1.33E-05	8.75E-06	3.47E-04
5604	478151.04	3850056.35	0.01033	0.00926	0.0021	0.00279	3.85E-05	2.76E-04	1.34E-05	8.81E-06	3.37E-04	3.51E-05	2.80E-10	1.79E-07	2.40E-07	3.55E-05	4.46E-05	2.76E-04	1.34E-05	8.81E-06	3.43E-04
5605	478232.62	3850096.35	0.01041	0.00936	0.0021	0.00281	3.88E-05	2.79E-04	1.35E-05	8.87E-06	3.40E-04	3.53E-05	2.83E-10	1.79E-07	2.42E-07	3.58E-05	4.49E-05	2.79E-04	1.35E-05	8.87E-06	3.46E-04
5606	478314.2	3850136.34	0.0105	0.0095	0.0021	0.00283	3.92E-05	2.83E-04	1.35E-05	8.94E-06	3.45E-04	3.56E-05	2.87E-10	1.80E-07	2.44E-07	3.61E-05	4.53E-05	2.83E-04	1.35E-05	8.94E-06	3.51E-04
5607	478395.77	3850176.34	0.01059	0.00963	0.0021	0.00286	3.95E-05	2.87E-04	1.36E-05	9.03E-06	3.49E-04	3.60E-05	2.91E-10	1.81E-07	2.46E-07	3.64E-05	4.57E-05	2.87E-04	1.36E-05	9.03E-06	3.56E-04
5608	478575.43	3850244.45	0.01074	0.00985	0.0022	0.0029	4.01E-05	2.94E-04	1.37E-05	9.16E-06	3.57E-04	3.65E-05	2.97E-10	1.83E-07	2.50E-07	3.69E-05	4.63E-05	2.94E-04	1.37E-05	9.16E-06	3.63E-04

5609	478665.06	3850287.29	0.01088	0.00998	0.0022	0.00293	4.06E-05	2.98E-04	1.38E-05	9.25E-06	3.61E-04	3.69E-05	3.01E-10	1.85E-07	2.52E-07	3.74E-05	4.69E-05	2.98E-04	1.38E-05	9.25E-06	3.68E-04
5610	478754.69	3850330.14	0.01104	0.01012	0.0022	0.00295	4.12E-05	3.02E-04	1.39E-05	9.31E-06	3.66E-04	3.75E-05	3.06E-10	1.85E-07	2.54E-07	3.79E-05	4.76E-05	3.02E-04	1.39E-05	9.31E-06	3.73E-04
5611	478844.32	3850372.99	0.01125	0.01031	0.0022	0.00297	4.20E-05	3.08E-04	1.40E-05	9.38E-06	3.73E-04	3.82E-05	3.11E-10	1.86E-07	2.56E-07	3.86E-05	4.85E-05	3.08E-04	1.40E-05	9.38E-06	3.79E-04
5612	478933.95	3850415.84	0.01172	0.01053	0.0022	0.00299	4.37E-05	3.14E-04	1.40E-05	9.44E-06	3.81E-04	3.98E-05	3.18E-10	1.87E-07	2.57E-07	4.02E-05	5.06E-05	3.14E-04	1.40E-05	9.44E-06	3.88E-04
5613	479023.58	3850458.68	0.01168	0.01052	0.0022	0.00302	4.36E-05	3.14E-04	1.41E-05	9.54E-06	3.81E-04	3.97E-05	3.18E-10	1.88E-07	2.60E-07	4.01E-05	5.04E-05	3.14E-04	1.41E-05	9.54E-06	3.88E-04
5614	479110.66	3850441.9	0.01209	0.0105	0.0022	0.00303	4.51E-05	3.13E-04	1.41E-05	9.57E-06	3.82E-04	4.10E-05	3.17E-10	1.88E-07	2.61E-07	4.15E-05	5.22E-05	3.13E-04	1.41E-05	9.57E-06	3.89E-04
5615	479191.22	3850423.99	0.01236	0.01038	0.0022	0.00304	4.61E-05	3.10E-04	1.40E-05	9.60E-06	3.79E-04	4.20E-05	3.13E-10	1.87E-07	2.62E-07	4.24E-05	5.33E-05	3.10E-04	1.40E-05	9.60E-06	3.87E-04
5616	479274.32	3850465.71	0.01267	0.01042	0.0022	0.00307	4.73E-05	3.11E-04	1.41E-05	9.69E-06	3.82E-04	4.30E-05	3.15E-10	1.88E-07	2.64E-07	4.35E-05	5.47E-05	3.11E-04	1.41E-05	9.69E-06	3.89E-04
5617	479357.43	3850507.42	0.013	0.01033	0.0022	0.0031	4.85E-05	3.08E-04	1.42E-05	9.79E-06	3.81E-04	4.41E-05	3.12E-10	1.89E-07	2.67E-07	4.46E-05	5.61E-05	3.08E-04	1.42E-05	9.79E-06	3.88E-04
5618	479440.53	3850549.14	0.01302	0.01019	0.0022	0.00313	4.86E-05	3.04E-04	1.42E-05	9.88E-06	3.77E-04	4.42E-05	3.08E-10	1.89E-07	2.70E-07	4.47E-05	5.62E-05	3.04E-04	1.42E-05	9.88E-06	3.84E-04
5619	479523.64	3850590.85	0.01337	0.01012	0.0022	0.00317	4.99E-05	3.02E-04	1.42E-05	1.00E-05	3.76E-04	4.54E-05	3.06E-10	1.90E-07	2.73E-07	4.59E-05	5.77E-05	3.02E-04	1.42E-05	1.00E-05	3.84E-04
5620	479606.74	3850632.57	0.0138	0.01013	0.0022	0.00319	5.15E-05	3.02E-04	1.43E-05	1.01E-05	3.78E-04	4.69E-05	3.06E-10	1.91E-07	2.75E-07	4.73E-05	5.95E-05	3.02E-04	1.43E-05	1.01E-05	3.86E-04
5621	479777.37	3850707.61	0.01486	0.01007	0.0023	0.00325	5.54E-05	3.00E-04	1.44E-05	1.03E-05	3.80E-04	5.04E-05	3.04E-10	1.91E-07	2.80E-07	5.09E-05	6.41E-05	3.00E-04	1.44E-05	1.03E-05	3.89E-04
5622	479864.9	3850740.95	0.01556	0.01012	0.0023	0.00327	5.81E-05	3.02E-04	1.44E-05	1.03E-05	3.85E-04	5.28E-05	3.06E-10	1.92E-07	2.82E-07	5.33E-05	6.71E-05	3.02E-04	1.44E-05	1.03E-05	3.94E-04
5623	479931.87	3850829.56	0.01576	0.01048	0.0023	0.00331	5.88E-05	3.13E-04	1.46E-05	1.05E-05	3.97E-04	5.35E-05	3.16E-10	1.95E-07	2.85E-07	5.40E-05	6.80E-05	3.13E-04	1.46E-05	1.05E-05	4.06E-04
5624	479995.55	3850926.75	0.01608	0.01109	0.0023	0.00334	6.00E-05	3.31E-04	1.48E-05	1.05E-05	4.16E-04	5.46E-05	3.35E-10	1.97E-07	2.88E-07	5.51E-05	6.94E-05	3.31E-04	1.48E-05	1.05E-05	4.26E-04
5625	480079.78	3850968.64	0.01667	0.0113	0.0023	0.00336	6.22E-05	3.37E-04	1.49E-05	1.06E-05	4.25E-04	5.66E-05	3.41E-10	1.98E-07	2.89E-07	5.71E-05	7.19E-05	3.37E-04	1.49E-05	1.06E-05	4.35E-04
5626	480164.01	3851010.54	0.01729	0.0115	0.0023	0.00338	6.45E-05	3.43E-04	1.49E-05	1.07E-05	4.33E-04	5.87E-05	3.47E-10	1.99E-07	2.91E-07	5.92E-05	7.46E-05	3.43E-04	1.49E-05	1.07E-05	4.43E-04
5627	480248.23	3851052.43	0.01794	0.01169	0.0024	0.00341	6.69E-05	3.49E-04	1.51E-05	1.08E-05	4.42E-04	6.09E-05	3.53E-10	2.01E-07	2.94E-07	6.14E-05	7.74E-05	3.49E-04	1.51E-05	1.08E-05	4.52E-04
5628	480332.46	3851094.33	0.01863	0.0118	0.0024	0.00344	6.95E-05	3.52E-04	1.51E-05	1.09E-05	4.48E-04	6.32E-05	3.56E-10	2.02E-07	2.96E-07	6.37E-05	8.04E-05	3.52E-04	1.51E-05	1.09E-05	4.58E-04
5629	480416.69	3851136.22	0.01936	0.01181	0.0024	0.00348	7.22E-05	3.52E-04	1.52E-05	1.10E-05	4.51E-04	6.57E-05	3.57E-10	2.02E-07	3.00E-07	6.62E-05	8.35E-05	3.52E-04	1.52E-05	1.10E-05	4.62E-04
5630	480579.95	3851215.17	0.02087	0.01197	0.0024	0.00356	7.79E-05	3.57E-04	1.53E-05	1.12E-05	4.62E-04	7.09E-05	3.61E-10	2.04E-07	3.07E-07	7.14E-05	9.01E-05	3.57E-04	1.53E-05	1.12E-05	4.74E-04
5631	480658.98	3851252.22	0.02163	0.01211	0.0024	0.0036	8.07E-05	3.61E-04	1.54E-05	1.14E-05	4.69E-04	7.34E-05	3.66E-10	2.05E-07	3.10E-07	7.39E-05	9.33E-05	3.61E-04	1.54E-05	1.14E-05	4.81E-04
5632	480817.36	3851327.85	0.02318	0.01236	0.0024	0.00368	8.65E-05	3.69E-04	1.55E-05	1.16E-05	4.82E-04	7.87E-05	3.73E-10	2.07E-07	3.17E-07	7.92E-05	1.00E-04	3.69E-04	1.55E-05	1.16E-05	4.96E-04
5633	480896.72	3851366.42	0.02396	0.01245	0.0024	0.00373	8.94E-05	3.71E-04	1.56E-05	1.18E-05	4.88E-04	8.13E-05	3.76E-10	2.08E-07	3.21E-07	8.19E-05	1.03E-04	3.71E-04	1.56E-05	1.18E-05	5.02E-04
5634	480976.07	3851405	0.02473	0.01253	0.0025	0.00377	9.23E-05	3.74E-04	1.57E-05	1.19E-05	4.94E-04	8.40E-05	3.78E-10	2.09E-07	3.25E-07	8.45E-05	1.07E-04	3.74E-04	1.57E-05	1.19E-05	5.08E-04
5635	481178	3851487.31	0.02658	0.01251	0.0025	0.00389	9.92E-05	3.73E-04	1.59E-05	1.23E-05	5.01E-04	9.02E-05	3.78E-10	2.12E-07	3.35E-07	9.08E-05	1.15E-04	3.73E-04	1.59E-05	1.23E-05	5.16E-04
5636	481244.9	3851557.17	0.02721	0.01274	0.0025	0.00395	1.02E-04	3.80E-04	1.60E-05	1.25E-05	5.10E-04	9.24E-05	3.85E-10	2.13E-07	3.40E-07	9.29E-05	1.17E-04	3.80E-04	1.60E-05	1.25E-05	5.26E-04
5637	481311.81	3851627.03	0.02786	0.01293	0.0025	0.00401	1.04E-04	3.86E-04	1.62E-05	1.27E-05	5.19E-04	9.46E-05	3.90E-10	2.16E-07	3.45E-07	9.51E-05	1.20E-04	3.86E-04	1.62E-05	1.27E-05	5.35E-04
5638	481378.71	3851696.89	0.02855	0.0131	0.0026	0.00408	1.07E-04	3.91E-04	1.63E-05	1.29E-05	5.27E-04	9.69E-05	3.96E-10	2.18E-07	3.51E-07	9.75E-05	1.23E-04	3.91E-04	1.63E-05	1.29E-05	5.43E-04
5639	481445.61	3851766.76	0.02927	0.01329	0.0026	0.00415	1.09E-04	3.96E-04	1.65E-05	1.31E-05	5.35E-04	9.94E-05	4.01E-10	2.20E-07	3.57E-07	1.00E-04	1.26E-04	3.96E-04	1.65E-05	1.31E-05	5.52E-04
5640	481512.51	3851836.62	0.03003	0.01344	0.0026	0.00422	1.12E-04	4.01E-04	1.66E-05	1.33E-05	5.43E-04	1.02E-04	4.06E-10	2.22E-07	3.63E-07	1.03E-04	1.30E-04	4.01E-04	1.66E-05	1.33E-05	5.61E-04
5641	481579.42	3851906.48	0.03083	0.0136	0.0026	0.0043	1.15E-04	4.06E-04	1.68E-05	1.36E-05	5.51E-04	1.05E-04	4.11E-10	2.25E-07	3.70E-07	1.05E-04	1.33E-04	4.06E-04	1.68E-05	1.36E-05	5.69E-04
5642	481646.32	3851976.34	0.03166	0.01379	0.0027	0.00438	1.18E-04	4.11E-04	1.70E-05	1.38E-05	5.60E-04	1.07E-04	4.16E-10	2.27E-07	3.77E-07	1.08E-04	1.37E-04	4.11E-04	1.70E-05	1.38E-05	5.79E-04
5643	481713.22	3852046.2	0.03257	0.01386	0.0027	0.00447	1.22E-04	4.13E-04	1.72E-05	1.41E-05	5.66E-04	1.11E-04	4.19E-10	2.29E-07	3.85E-07	1.11E-04	1.41E-04	4.13E-04	1.72E-05	1.41E-05	5.85E-04
5644	481780.12	3852116.06	0.03346	0.01417	0.0027	0.00456	1.25E-04	4.23E-04	1.73E-05	1.44E-05	5.79E-04	1.14E-04	4.28E-10	2.31E-07	3.93E-07	1.14E-04	1.44E-04	4.23E-04	1.73E-05	1.44E-05	5.99E-04
5645	481847.03	3852185.92	0.03434	0.0146	0.0028	0.00465	1.28E-04	4.36E-04	1.75E-05	1.47E-05	5.96E-04	1.17E-04	4.41E-10	2.34E-07	4.00E-07	1.17E-04	1.48E-04	4.36E-04	1.75E-05	1.47E-05	6.16E-04
5646	481913.93	3852255.78	0.03525	0.01508	0.0028	0.00474	1.32E-04	4.50E-04	1.78E-05	1.50E-05	6.14E-04	1.20E-04	4.55E-10	2.37E-07	4.08E-07	1.20E-04	1.52E-04	4.50E-04	1.78E-05	1.50E-05	6.35E-04
5647	481980.83	3852325.65	0.03613	0.01565	0.0028	0.00485	1.35E-04	4.67E-04	1.81E-05	1.53E-05	6.35E-04	1.23E-04	4.73E-10	2.41E-07	4.18E-07	1.23E-04	1.56E-04	4.67E-04	1.81E-05	1.53E-05	6.56E-04
5648	482047.73	3852395.51	0.03715	0.01609	0.0029	0.00497	1.39E-04	4.80E-04	1.82E-05	1.57E-05	6.53E-04	1.26E-04	4.86E-10	2.43E-07	4.28E-07	1.27E-04	1.60E-04	4.80E-04	1.82E-05	1.57E-05	6.74E-04
5649	482114.64	3852465.37	0.03813	0.01665	0.0029	0.0051	1.42E-04	4.97E-04	1.85E-05	1.61E-05	6.74E-04	1.29E-04	5.03E-10	2.47E-07	4.39E-07	1.30E-04	1.65E-04	4.97E-04	1.85E-05	1.61E-05	6.96E-04
5650	482181.54	3852535.23	0.03934	0.01705	0.0029	0.00524	1.47E-04	5.09E-04	1.87E-05	1.65E-05	6.91E-04	1.34E-04	5.15E-10	2.49E-07	4.51E-07	1.34E-04	1.70E-04	5.09E-04	1.87E-05	1.65E-05	7.14E-04
5651	482338.69	3852700.04	0.04228	0.01829	0.003	0.00564	1.58E-04	5.46E-04	1.93E-05	1.78E-05	7.40E-04	1.44E-04	5.52E-10	2.57E-07	4.86E-07	1.44E-04	1.82E-04	5.46E-04	1.93E-05	1.78E-05	7.65E-04
5652	482404.05	3852767.78	0.04364	0.01886	0.0031	0.00582	1.63E-04	5.63E-04	1.95E-05	1.84E-05	7.63E-04	1.48E-04	5.70E-10	2.59E-07	5.01E-07	1.49E-04	1.88E-04	5.63E-04	1.95E-05	1.84E-05	7.89E-04
5653	482469.4	3852835.52	0.04507	0.01945	0.0031	0.00601	1.68E-04	5.80E-04	1.97E-05	1.90E-05	7.87E-04	1.53E-04	5.87E-10	2.63E-07	5.18E-07	1.54E-04	1.94E-04	5.80E-04	1.97E-05	1.90E-05	8.13E-04
5654	482534.75	3852903.25	0.0467	0.01994	0.0031	0.00619	1.74E-04	5.95E-04	1.99E-05	1.95E-05	8.09E-04	1.59E-04	6.02E-10	2.65E-07	5.33E-07	1.59E-04	2.02E-04	5.95E-04	1.99E-05	1.95E-05	8.36E-04
5655	482600.11	3852970.98	0.04832	0.02051	0.0032	0.00638	1.80E-04	6.12E-04	2.02E-05	2.01E-05	8.32E-04	1.64E-04	6.19E-10	2.69E-07	5.49E-07	1.65E-04	2.09E-04	6.12E-04	2.02E-05	2.01E-05	8.61E-04
5656	482706.71	3853119.28	0.05148	0.02166	0.0032	0.0068	1.92E-04	6.46E-04	2.07E-05	2.15E-05	8.80E-04	1.75E-04	6.54E-10	2.76E-07	5.86E-07	1.76E-04	2.22E-04	6.46E-04	2.07E-05	2.15E-05	9.10E-04
5657	482747.96	3853199.84	0.05254	0.02255	0.0033	0.00704	1.96E-04	6.73E-04	2.10E-05	2.22E-05	9.12E-04	1.78E-04	6.81E-10	2.80E-07	6.06E-07	1.79E-04	2.27E-04	6.73E-04	2.10E-05	2.22E-05	9.43E-04
5658	482789.21	3853280.4	0.05345	0.02354	0.0034	0.0073	1.99E-04	7.02E-04	2.14E-05	2.30E-05	9.46E-04	1.81E-04	7.11E-10	2.85E-07	6.29E-07	1.82E-04	2.31E-04	7.02E-04	2.14E-05	2.30E-05	9.77E-04
5659	482830.46	3853360.96	0.05441	0.02449	0.0034	0.00758	2.03E-04	7.31E-04	2.17E-05	2.39E-05	9.79E-04	1.85E-04	7.40E-10	2.89E-07	6.53E-07	1.86E-04	2.35E-04	7.31E-04	2.17E-05	2.39E-05	1.01E-03
5660	482871.71	3853441.52	0.05538	0.02545	0.0035	0.00788	2.07E-04	7.59E-04	2.20E-05	2.49E-05	1.01E-03	1.88E-04	7.69E-10	2.93E-07	6.79E-07	1.89E-04	2.39E-04	7.59E-04	2.20E-05	2.49E-05	1.05E-03
5661	482912.95	3853522.07	0.05671	0.02612	0.0035	0.0082	2.12E-04	7.79E-04	2.23E-05	2.59E-05	1.04E-03	1.93E-04	7.89E-10	2.98E-07	7.06E-07	1.94E-04	2.45E-04	7.79E-04	2.23E-05	2.59E-05	1.07E-03
5662	482954.2	3853602.63	0.05817	0.0268	0.0036	0.00855	2.17E-04	8.00E-04	2.26E-05	2.70E-05	1.07E-03	1.97E-04	8.09E-10	3.02E-07	7.36E-07	1.99E-04	2.51E-04	8.00E-04	2.26E-05	2.70E-05	1.10E-03
5663	482995.45	3853683.19	0.06	0.02733	0.0036	0.00894	2.24E-04	8.15E-04	2.30E-05	2.82E-05	1.09E-03	2.04E-04	8.25E-10	3.06E-07	7.70E-07	2.05E-04	2.59E-04	8.15E-04	2.30E-05	2.82E-05	1.13E-03
5664	483036.7	3853763.75	0.06224	0.02783	0.0037	0.00937	2.32E-04	8.30E-04	2.33E-05	2.96E-05	1.12E-03	2.11E-04	8.40E-10	3.10E-07	8.07E-07	2.12E-04	2.69E-04	8.30E-04	2.33E-05	2.96E-05	1.15E-03
5665	483214.2	3853909.91	0.07324	0.02565	0.0037	0.01027	2.73E-04	7.65E-04	2.38E-05	3.24E-05	1.09E-03	2.49E-04	7.75E-10	3.17E-07	8.84E-07	2.50E-04	3.16E-04	7.65E-04	2.38E-05	3.24E-05	1.14E-03
5666	483307.01	3853910.44	0.07914	0.02543	0.0037	0.01029	2.95E-04	7.59E-04	2.39E-05	3.25E-05	1.11E-03	2.69E-04	7.68E-10	3.18E-07	8.86E-07	2.70E-04	3.41E-04	7.59E-04	2.39E-05	3.25E-05	1.16E-03
5667	483399.83	3853910.96	0.08605	0.02472	0.0037	0.01044	3.21E-04	7.37E-04	2.39E-05	3.30E-05	1.12E-03	2.92E-04	7.47E-10	3.18E-07	8.99E-07	2.93E-04	3.71E-04	7.37E-04	2.39E-05	3.30E-05	1.17E-03
5668	483494.52	3854009.24	0.0938	0.02585	0.0038	0.01164	3.50E-04	7.71E-04	2.44E-05	3.68E-05	1.18E-03	3.18E-04	7.81E-10	3.25E-07	1.00E-06	3.20E-04	4.05E-04	7.71E-04	2.44E-05	3.68E-05	1.24E-03
5669	483496.41	3854106.98	0.09466	0.02776	0.0039	0.01291	3.53E-04	8.28E-04	2.49E-05	4.08E-05	1.25E-03	3.21E-04	8.38E-10	3.32E-07	1.11E-06	3.23E-04	4.08E-04	8.28E-04	2.49E-05	4.08E-05	1.30E-03

5670	483577.56	3854261.96	0.1055	0.02801	0.004	0.01632	3.94E-04	8.36E-04	2.56E-05	5.15E-05	1.31E-03	3.58E-04	8.46E-10	3.41E-07	1.41E-06	3.60E-04	4.55E-04	8.36E-04	2.56E-05	5.15E-05	1.37E-03
5671	483656.83	3854319.19	0.11251	0.02746	0.0041	0.01911	4.20E-04	8.19E-04	2.60E-05	6.03E-05	1.33E-03	3.82E-04	8.29E-10	3.46E-07	1.65E-06	3.84E-04	4.85E-04	8.19E-04	2.60E-05	6.03E-05	1.39E-03
5672	483736.1	3854376.41	0.12034	0.02736	0.0041	0.02335	4.49E-04	8.16E-04	2.63E-05	7.37E-05	1.37E-03	4.09E-04	8.26E-10	3.50E-07	2.01E-06	4.11E-04	5.19E-04	8.16E-04	2.63E-05	7.37E-05	1.44E-03
5673	483815.36	3854433.64	0.12809	0.02807	0.0042	0.02871	4.78E-04	8.37E-04	2.67E-05	9.06E-05	1.43E-03	4.35E-04	8.48E-10	3.55E-07	2.47E-06	4.38E-04	5.53E-04	8.37E-04	2.67E-05	9.06E-05	1.51E-03
5674	483894.63	3854490.87	0.13425	0.0295	0.0042	0.03524	5.01E-04	8.80E-04	2.70E-05	1.11E-04	1.52E-03	4.56E-04	8.91E-10	3.61E-07	3.03E-06	4.59E-04	5.79E-04	8.80E-04	2.70E-05	1.11E-04	1.60E-03
5675	483973.9	3854548.1	0.13877	0.03189	0.0043	0.04146	5.18E-04	9.51E-04	2.74E-05	1.31E-04	1.63E-03	4.71E-04	9.63E-10	3.66E-07	3.57E-06	4.75E-04	5.99E-04	9.51E-04	2.74E-05	1.31E-04	1.71E-03
5676	484053.17	3854605.32	0.14592	0.03563	0.0044	0.04573	5.44E-04	1.06E-03	2.79E-05	1.44E-04	1.78E-03	4.95E-04	1.08E-09	3.72E-07	3.94E-06	5.00E-04	6.30E-04	1.06E-03	2.79E-05	1.44E-04	1.86E-03
5677	484214.97	3854698.15	0.16719	0.04339	0.0045	0.04715	6.24E-04	1.29E-03	2.86E-05	1.49E-04	2.10E-03	5.68E-04	1.31E-09	3.82E-07	4.06E-06	5.72E-04	7.21E-04	1.29E-03	2.86E-05	1.49E-04	2.19E-03
5678	484297.5	3854733.74	0.18908	0.04804	0.0045	0.04604	7.06E-04	1.43E-03	2.90E-05	1.45E-04	2.31E-03	6.42E-04	1.45E-09	3.86E-07	3.96E-06	6.46E-04	8.16E-04	1.43E-03	2.90E-05	1.45E-04	2.42E-03
5679	484380.03	3854769.34	0.20335	0.05148	0.0046	0.04433	7.59E-04	1.54E-03	2.93E-05	1.40E-04	2.46E-03	6.90E-04	1.55E-09	3.91E-07	3.82E-06	6.95E-04	8.77E-04	1.54E-03	2.93E-05	1.40E-04	2.58E-03
5680	484462.56	3854804.94	0.22925	0.0564	0.0047	0.0421	8.55E-04	1.68E-03	2.97E-05	1.33E-04	2.70E-03	7.78E-04	1.70E-09	3.95E-07	3.63E-06	7.82E-04	9.89E-04	1.68E-03	2.97E-05	1.33E-04	2.83E-03
5681	484545.09	3854840.53	0.24594	0.05926	0.0047	0.03982	9.18E-04	1.77E-03	3.00E-05	1.26E-04	2.84E-03	8.35E-04	1.79E-09	4.01E-07	3.43E-06	8.39E-04	1.06E-03	1.77E-03	3.00E-05	1.26E-04	2.98E-03
5682	484691.88	3854912.58	0.32228	0.0687	0.0048	0.03517	1.20E-03	2.05E-03	3.08E-05	1.11E-04	3.39E-03	1.09E-03	2.07E-09	4.11E-07	3.03E-06	1.10E-03	1.39E-03	2.05E-03	3.08E-05	1.11E-04	3.58E-03
5683	484830.81	3855012.51	0.68065	0.08038	0.005	0.03333	2.54E-03	2.40E-03	3.18E-05	1.05E-04	5.07E-03	2.31E-03	2.43E-09	4.24E-07	2.87E-06	2.31E-03	2.94E-03	2.40E-03	3.18E-05	1.05E-04	5.47E-03
5684	484905.48	3855075.97	1.69608	0.09122	0.0051	0.03385	6.33E-03	2.72E-03	3.25E-05	1.07E-04	9.19E-03	5.76E-03	2.75E-09	4.34E-07	2.91E-06	5.76E-03	7.32E-03	2.72E-03	3.25E-05	1.07E-04	1.02E-02
5685	484980.14	3855139.44	2.67544	0.09993	0.0052	0.03548	9.98E-03	2.98E-03	3.32E-05	1.12E-04	1.31E-02	9.08E-03	3.02E-09	4.42E-07	3.06E-06	9.09E-03	1.15E-02	2.98E-03	3.32E-05	1.12E-04	1.47E-02
5686	485054.81	3855202.91	3.30611	0.10661	0.0053	0.0378	1.23E-02	3.18E-03	3.39E-05	1.19E-04	1.57E-02	1.12E-02	3.22E-09	4.52E-07	3.25E-06	1.12E-02	1.43E-02	3.18E-03	3.39E-05	1.19E-04	1.76E-02
5687	485129.48	3855266.37	3.49455	0.10993	0.0054	0.04078	1.30E-02	3.28E-03	3.47E-05	1.29E-04	1.65E-02	1.19E-02	3.32E-09	4.63E-07	3.51E-06	1.19E-02	1.51E-02	3.28E-03	3.47E-05	1.29E-04	1.85E-02
5688	485204.15	3855329.84	4.01799	0.11926	0.0056	0.04527	1.50E-02	3.56E-03	3.55E-05	1.43E-04	1.87E-02	1.36E-02	3.60E-09	4.74E-07	3.90E-06	1.36E-02	1.73E-02	3.56E-03	3.55E-05	1.43E-04	2.11E-02
5689	485278.82	3855393.31	4.2157	0.12536	0.0057	0.05084	1.57E-02	3.74E-03	3.64E-05	1.61E-04	1.97E-02	1.43E-02	3.79E-09	4.85E-07	4.38E-06	1.43E-02	1.82E-02	3.74E-03	3.64E-05	1.61E-04	2.21E-02
5690	485353.48	3855456.77	4.5068	0.13365	0.0058	0.05644	1.68E-02	3.99E-03	3.73E-05	1.78E-04	2.10E-02	1.53E-02	4.04E-09	4.97E-07	4.86E-06	1.53E-02	1.94E-02	3.99E-03	3.73E-05	1.78E-04	2.37E-02
5691	485428.15	3855520.24	4.60841	0.13994	0.006	0.06202	1.72E-02	4.17E-03	3.82E-05	1.96E-04	2.16E-02	1.56E-02	4.23E-09	5.09E-07	5.34E-06	1.57E-02	1.99E-02	4.17E-03	3.82E-05	1.96E-04	2.43E-02
5692	485502.82	3855583.71	4.72028	0.14697	0.0062	0.06743	1.76E-02	4.38E-03	3.92E-05	2.13E-04	2.23E-02	1.60E-02	4.44E-09	5.23E-07	5.81E-06	1.60E-02	2.04E-02	4.38E-03	3.92E-05	2.13E-04	2.50E-02
5693	485577.49	3855647.17	5.02474	0.15807	0.0063	0.07265	1.87E-02	4.72E-03	4.03E-05	2.29E-04	2.37E-02	1.71E-02	4.77E-09	5.37E-07	6.26E-06	1.71E-02	2.17E-02	4.72E-03	4.03E-05	2.29E-04	2.67E-02
5694	485652.16	3855710.64	5.28848	0.17011	0.0065	0.0779	1.97E-02	5.07E-03	4.15E-05	2.46E-04	2.51E-02	1.80E-02	5.14E-09	5.53E-07	6.71E-06	1.80E-02	2.28E-02	5.07E-03	4.15E-05	2.46E-04	2.82E-02
5695	485726.83	3855774.1	5.44382	0.17878	0.0067	0.08326	2.03E-02	5.33E-03	4.27E-05	2.63E-04	2.60E-02	1.85E-02	5.40E-09	5.69E-07	7.17E-06	1.85E-02	2.35E-02	5.33E-03	4.27E-05	2.63E-04	2.91E-02
5696	485801.49	3855837.57	5.31833	0.18525	0.0069	0.08788	1.98E-02	5.53E-03	4.39E-05	2.77E-04	2.57E-02	1.81E-02	5.59E-09	5.86E-07	7.57E-06	1.81E-02	2.29E-02	5.53E-03	4.39E-05	2.77E-04	2.88E-02
5697	485876.16	3855901.04	5.44864	0.19411	0.0071	0.09112	2.03E-02	5.79E-03	4.54E-05	2.88E-04	2.65E-02	1.85E-02	5.86E-09	6.05E-07	7.85E-06	1.85E-02	2.35E-02	5.79E-03	4.54E-05	2.88E-04	2.96E-02
5698	485950.83	3855964.5	5.32781	0.20114	0.0074	0.0931	1.99E-02	6.00E-03	4.69E-05	2.94E-04	2.62E-02	1.81E-02	6.07E-09	6.25E-07	8.02E-06	1.81E-02	2.30E-02	6.00E-03	4.69E-05	2.94E-04	2.93E-02
5699	486025.5	3856027.97	5.19564	0.20526	0.0076	0.0931	1.94E-02	6.12E-03	4.85E-05	2.94E-04	2.59E-02	1.76E-02	6.20E-09	6.47E-07	8.02E-06	1.76E-02	2.24E-02	6.12E-03	4.85E-05	2.94E-04	2.89E-02
5700	486100.17	3856091.44	5.50344	0.2213	0.0079	0.09084	2.05E-02	6.60E-03	5.03E-05	2.87E-04	2.75E-02	1.87E-02	6.68E-09	6.70E-07	7.82E-06	1.87E-02	2.37E-02	6.60E-03	5.03E-05	2.87E-04	3.07E-02
5701	486174.83	3856154.9	5.27592	0.22298	0.0082	0.08791	1.97E-02	6.65E-03	5.22E-05	2.78E-04	2.67E-02	1.79E-02	6.73E-09	6.97E-07	7.57E-06	1.79E-02	2.28E-02	6.65E-03	5.22E-05	2.78E-04	2.97E-02
5702	486249.5	3856218.37	4.80347	0.21725	0.0085	0.08447	1.79E-02	6.48E-03	5.45E-05	2.67E-04	2.47E-02	1.63E-02	6.56E-09	7.26E-07	7.27E-06	1.63E-02	2.07E-02	6.48E-03	5.45E-05	2.67E-04	2.75E-02
5703	486324.17	3856281.84	4.40939	0.21437	0.0089	0.08074	1.65E-02	6.40E-03	5.70E-05	2.55E-04	2.32E-02	1.50E-02	6.47E-09	7.60E-07	6.95E-06	1.50E-02	1.90E-02	6.40E-03	5.70E-05	2.55E-04	2.57E-02
5704	486398.84	3856345.3	4.52425	0.22284	0.0093	0.07631	1.69E-02	6.65E-03	5.95E-05	2.41E-04	2.38E-02	1.54E-02	6.73E-09	7.93E-07	6.57E-06	1.54E-02	1.95E-02	6.65E-03	5.95E-05	2.41E-04	2.65E-02
5705	486473.51	3856408.77	4.51002	0.22775	0.0098	0.07152	1.68E-02	6.79E-03	6.24E-05	2.26E-04	2.39E-02	1.53E-02	6.88E-09	8.32E-07	6.16E-06	1.53E-02	1.95E-02	6.79E-03	6.24E-05	2.26E-04	2.65E-02
5706	486548.17	3856472.24	4.6447	0.23589	0.0103	0.06613	1.73E-02	7.04E-03	6.54E-05	2.09E-04	2.46E-02	1.58E-02	7.12E-09	8.73E-07	5.69E-06	1.58E-02	2.00E-02	7.04E-03	6.54E-05	2.09E-04	2.74E-02
5707	486622.84	3856535.7	4.78621	0.24395	0.0108	0.06045	1.79E-02	7.28E-03	6.88E-05	1.91E-04	2.54E-02	1.62E-02	7.37E-09	9.18E-07	5.21E-06	1.63E-02	2.07E-02	7.28E-03	6.88E-05	1.91E-04	2.82E-02
5708	486765.48	3856659.69	5.15378	0.26188	0.012	0.04988	1.92E-02	7.81E-03	7.64E-05	1.57E-04	2.73E-02	1.75E-02	7.91E-09	1.02E-06	4.30E-06	1.75E-02	2.22E-02	7.81E-03	7.64E-05	1.57E-04	3.03E-02
5709	486833.44	3856720.2	5.3229	0.26819	0.0127	0.04556	1.99E-02	8.00E-03	8.08E-05	1.44E-04	2.81E-02	1.81E-02	8.10E-09	1.08E-06	3.92E-06	1.81E-02	2.30E-02	8.00E-03	8.08E-05	1.44E-04	3.12E-02
5710	486901.41	3856780.72	5.40439	0.27604	0.0134	0.04178	2.02E-02	8.24E-03	8.57E-05	1.32E-04	2.86E-02	1.83E-02	8.34E-09	1.14E-06	3.60E-06	1.84E-02	2.33E-02	8.24E-03	8.57E-05	1.32E-04	3.18E-02
5711	486969.38	3856841.24	5.43387	0.28171	0.0143	0.03858	2.03E-02	8.40E-03	9.13E-05	1.22E-04	2.89E-02	1.84E-02	8.51E-09	1.22E-06	3.32E-06	1.85E-02	2.34E-02	8.40E-03	9.13E-05	1.22E-04	3.21E-02
5712	487037.34	3856901.75	5.41559	0.28631	0.0153	0.03586	2.02E-02	8.54E-03	9.78E-05	1.13E-04	2.90E-02	1.84E-02	8.65E-09	1.30E-06	3.09E-06	1.84E-02	2.34E-02	8.54E-03	9.78E-05	1.13E-04	3.21E-02
5713	487271.23	3856855.51	3.07211	0.2629	0.0173	0.03474	1.15E-02	7.84E-03	1.10E-04	1.10E-04	1.95E-02	1.04E-02	7.94E-09	1.47E-06	2.99E-06	1.04E-02	1.33E-02	7.84E-03	1.10E-04	1.10E-04	2.13E-02
5714	487368.96	3856857.29	2.67606	0.25684	0.0189	0.03387	9.99E-03	7.66E-03	1.20E-04	1.07E-04	1.79E-02	9.09E-03	7.76E-09	1.61E-06	2.92E-06	9.09E-03	1.15E-02	7.66E-03	1.20E-04	1.07E-04	1.94E-02
5715	487466.68	3856859.06	2.35134	0.25205	0.0208	0.03308	8.77E-03	7.52E-03	1.32E-04	1.04E-04	1.65E-02	7.98E-03	7.61E-09	1.77E-06	2.85E-06	7.99E-03	1.01E-02	7.52E-03	1.32E-04	1.04E-04	1.79E-02
5716	487636.44	3856930	1.90791	0.25009	0.0257	0.03067	7.12E-03	7.46E-03	1.64E-04	9.68E-05	1.48E-02	6.48E-03	7.55E-09	2.19E-06	2.64E-06	6.48E-03	8.23E-03	7.46E-03	1.64E-04	9.68E-05	1.60E-02
5717	487709.57	3856928.43	1.74691	0.24691	0.0278	0.03033	6.52E-03	7.37E-03	1.77E-04	9.58E-05	1.42E-02	5.93E-03	7.46E-09	2.37E-06	2.61E-06	5.94E-03	7.54E-03	7.37E-03	1.77E-04	9.58E-05	1.52E-02
5718	487782.54	3856841.96	1.63963	0.23363	0.0275	0.03121	6.12E-03	6.97E-03	1.76E-04	9.85E-05	1.34E-02	5.57E-03	7.06E-09	2.34E-06	2.69E-06	5.57E-03	7.08E-03	6.97E-03	1.76E-04	9.85E-05	1.43E-02
5719	487849.83	3856754.74	1.52419	0.22142	0.0254	0.03208	5.69E-03	6.61E-03	1.62E-04	1.01E-04	1.26E-02	5.17E-03	6.69E-09	2.16E-06	2.76E-06	5.18E-03	6.58E-03	6.61E-03	1.62E-04	1.01E-04	1.34E-02
5720	487918.03	3856819.39	1.44241	0.22688	0.026	0.03071	5.38E-03	6.77E-03	1.66E-04	9.70E-05	1.24E-02	4.90E-03	6.85E-09	2.21E-06	2.64E-06	4.90E-03	6.22E-03	6.77E-03	1.66E-04	9.70E-05	1.33E-02
5721	487918.8	3856886.37	1.42316	0.2342	0.028	0.02989	5.31E-03	6.99E-03	1.79E-04	9.44E-05	1.26E-02	4.83E-03	7.07E-09	2.38E-06	2.57E-06	4.84E-03	6.14E-03	6.99E-03	1.79E-04	9.44E-05	1.34E-02
5722	488065.47	3857127.5	1.01531	0.24663	0.0347	0.02767	3.79E-03	7.36E-03	2.21E-04	8.74E-05	1.15E-02	3.45E-03	7.45E-09	2.95E-06	2.38E-06	3.45E-03	4.38E-03	7.36E-03	2.21E-04	8.74E-05	1.20E-02
5723	488192.19	3857385.83	0.62486	0.26965	0.0562	0.02894	2.33E-03	8.04E-03	3.59E-04	9.14E-05	1.08E-02	2.12E-03	8.14E-09	4.78E-06	2.49E-06	2.13E-03	2.70E-03	8.04E-03	3.59E-04	9.14E-05	1.12E-02
5724	488191.22	3857473.87	0.53436	0.28212	0.0699	0.0305	1.99E-03	8.42E-03	4.46E-04	9.63E-05	1.10E-02	1.81E-03	8.52E-09	5.94E-06	2.63E-06	1.82E-03	2.31E-03	8.42E-03	4.46E-04	9.63E-05	1.13E-02
5725	488190.24	3857561.9	0.45631	0.29618	0.0898	0.03265	1.70E-03	8.84E-03	5.73E-04	1.03E-04	1.12E-02	1.55E-03	8.94E-09	7.64E-06	2.81E-06	1.56E-03	1.97E-03	8.84E-03	5.73E-04	1.03E-04	1.15E-02
5726	488158.35	3857691.13	0.36376	0.32075	0.1395	0.03689	1.36E-03	9.57E-03	8.90E-04	1.16E-04	1.19E-02	1.23E-03	9.69E-09	1.19E-05	3.18E-06	1.25E-03	1.57E-03	9.57E-03	8.90E-04	1.16E-04	1.21E-02
5727	488208.37	3857816.66	0.29409	0.34579	0.4315	0.0422	1.10E-03	1.03E-02	2.75E-03	1.33E-04	1.43E-02	9.98E-04	1.04E-08	3.67E-05	3.63E-06	1.04E-03	1.27E-03	1.03E-02	2.75E-03	1.33E-04	1.45E-02
5728	488271.97	3857874.6	0.26909	0.35683	1.9591	0.04498	1.00E-03	1.06E-02	1.25E-02	1.42E-04	2.43E-02	9.14E-04	1.08E-08	1.67E-04	3.87E-06	1.08E-03	1.16E-03	1.06E-02	1.25E-02	1.42E-04	2.44E-02
5729	488463.56	3857942.31	0.24496	0.36309	3.0989	0.04785	9.14E-04	1.08E-02	1.98E-02	1.51E-04	3.17E-02	8.32E-04	1.10E-08	2.64E-04	4.12E-06	1.10E-03	1.06E-03	1.08E-02	1.98E-02	1.51E-04	3.18E-02
5730	488554.83	3857940.83	0.24676	0.3554	2.3849	0.04719	9.21E-04	1.06E-02	1.52E-02	1.49E-04	2.69E-02	8.38E-04	1.07E-08	2.03E-04	4.06E-06	1.04E-03	1.06E-03	1.06E-02	1.52E-02	1.49E-04	2.70E-02

5731	488646.1	3857939.36	0.24834	0.34766	1.8703	0.04649	9.27E-04	1.04E-02	1.19E-02	1.47E-04	2.34E-02	8.43E-04	1.05E-08	1.59E-04	4.00E-06	1.01E-03	1.07E-03	1.04E-02	1.19E-02	1.47E-04	2.35E-02
5732	488737.37	3857937.88	0.24957	0.34005	1.5018	0.04576	9.31E-04	1.01E-02	9.58E-03	1.44E-04	2.08E-02	8.47E-04	1.03E-08	1.28E-04	3.94E-06	9.79E-04	1.08E-03	1.01E-02	9.58E-03	1.44E-04	2.09E-02
5733	488733.59	3857960.57	0.24247	0.3454	1.4681	0.04683	9.05E-04	1.03E-02	9.36E-03	1.48E-04	2.07E-02	8.23E-04	1.04E-08	1.25E-04	4.03E-06	9.52E-04	1.05E-03	1.03E-02	9.36E-03	1.48E-04	2.09E-02
5734	488638.09	3857961.57	0.24098	0.35361	1.8573	0.04768	8.99E-04	1.05E-02	1.18E-02	1.51E-04	2.34E-02	8.18E-04	1.07E-08	1.58E-04	4.11E-06	9.80E-04	1.04E-03	1.05E-02	1.18E-02	1.51E-04	2.36E-02
5735	488542.6	3857962.56	0.23912	0.36222	2.4224	0.04851	8.92E-04	1.08E-02	1.55E-02	1.53E-04	2.73E-02	8.12E-04	1.09E-08	2.06E-04	4.18E-06	1.02E-03	1.03E-03	1.08E-02	1.55E-02	1.53E-04	2.74E-02
5736	488447.1	3857963.56	0.23745	0.37031	3.2552	0.04926	8.86E-04	1.10E-02	2.08E-02	1.56E-04	3.29E-02	8.06E-04	1.12E-08	2.77E-04	4.24E-06	1.09E-03	1.02E-03	1.10E-02	2.08E-02	1.56E-04	3.30E-02
5737	488254.28	3857890.36	0.26254	0.36257	2.1999	0.04601	9.80E-04	1.08E-02	1.40E-02	1.45E-04	2.60E-02	8.91E-04	1.09E-08	1.87E-04	3.96E-06	1.08E-03	1.13E-03	1.08E-02	1.40E-02	1.45E-04	2.61E-02
5738	488191.69	3857833.06	0.28656	0.35039	0.4402	0.04311	1.07E-03	1.05E-02	2.81E-03	1.36E-04	1.45E-02	9.73E-04	1.06E-08	3.74E-05	3.71E-06	1.01E-03	1.24E-03	1.05E-02	2.81E-03	1.36E-04	1.46E-02
5739	488129.5	3857907.43	0.25668	0.37649	0.4757	0.04787	9.58E-04	1.12E-02	3.03E-03	1.51E-04	1.54E-02	8.71E-04	1.14E-08	4.05E-05	4.12E-06	9.16E-04	1.11E-03	1.12E-02	3.03E-03	1.51E-04	1.55E-02
5740	488196.47	3857968.73	0.23609	0.39096	4.2285	0.05163	8.81E-04	1.17E-02	2.70E-02	1.63E-04	3.97E-02	8.02E-04	1.18E-08	3.60E-04	4.45E-06	1.17E-03	1.02E-03	1.17E-02	2.70E-02	1.63E-04	3.98E-02
5741	488263.44	3858030.04	0.21864	0.40492	4.2256	0.05566	8.16E-04	1.21E-02	2.70E-02	1.76E-04	4.00E-02	7.42E-04	1.22E-08	3.59E-04	4.79E-06	1.11E-03	9.43E-04	1.21E-02	2.70E-02	1.76E-04	4.02E-02
5742	488400.64	3858132.9	0.19355	0.4271	1.108	0.06176	7.22E-04	1.27E-02	7.07E-03	1.95E-04	2.07E-02	6.57E-04	1.29E-08	9.42E-05	5.32E-06	7.57E-04	8.35E-04	1.27E-02	7.07E-03	1.95E-04	2.08E-02
5743	488519.89	3858218.38	0.17449	0.45167	0.4967	0.06494	6.51E-04	1.35E-02	3.17E-03	2.05E-04	1.75E-02	5.92E-04	1.36E-08	4.22E-05	5.59E-06	6.40E-04	7.53E-04	1.35E-02	3.17E-03	2.05E-04	1.76E-02
5744	488647.97	3858214.99	0.17434	0.43199	0.488	0.06084	6.51E-04	1.29E-02	3.11E-03	1.92E-04	1.68E-02	5.92E-04	1.30E-08	4.15E-05	5.24E-06	6.39E-04	7.52E-04	1.29E-02	3.11E-03	1.92E-04	1.69E-02
5745	488727.05	3858167.67	0.18496	0.40554	0.5951	0.05647	6.90E-04	1.21E-02	3.80E-03	1.78E-04	1.68E-02	6.28E-04	1.22E-08	5.06E-05	4.86E-06	6.83E-04	7.98E-04	1.21E-02	3.80E-03	1.78E-04	1.69E-02
5746	488806.12	3858120.35	0.19791	0.38189	0.6929	0.05276	7.38E-04	1.14E-02	4.42E-03	1.67E-04	1.67E-02	6.72E-04	1.15E-08	5.89E-05	4.54E-06	7.35E-04	8.54E-04	1.14E-02	4.42E-03	1.67E-04	1.68E-02
5747	488885.2	3858073.03	0.21174	0.36089	0.7629	0.0496	7.90E-04	1.08E-02	4.87E-03	1.57E-04	1.66E-02	7.19E-04	1.09E-08	6.49E-05	4.27E-06	7.88E-04	9.14E-04	1.08E-02	4.87E-03	1.57E-04	1.67E-02
5748	489055.76	3857991.17	0.235	0.32607	0.7467	0.04474	8.77E-04	9.73E-03	4.76E-03	1.41E-04	1.55E-02	7.98E-04	9.85E-09	6.35E-05	3.85E-06	8.65E-04	1.01E-03	9.73E-03	4.76E-03	1.41E-04	1.56E-02
5749	489245.39	3857944.54	0.24612	0.29959	0.6142	0.04158	9.18E-04	8.94E-03	3.92E-03	1.31E-04	1.39E-02	8.36E-04	9.05E-09	5.22E-05	3.58E-06	8.91E-04	1.06E-03	8.94E-03	3.92E-03	1.31E-04	1.40E-02
5750	489430.63	3857930.91	0.24544	0.28412	0.5008	0.0398	9.16E-04	8.48E-03	3.19E-03	1.26E-04	1.27E-02	8.33E-04	8.58E-09	4.26E-05	3.43E-06	8.79E-04	1.06E-03	8.48E-03	3.19E-03	1.26E-04	1.29E-02
5751	489517.74	3857929.36	0.24352	0.27823	0.458	0.03923	9.09E-04	8.30E-03	2.92E-03	1.24E-04	1.23E-02	8.27E-04	8.40E-09	3.89E-05	3.38E-06	8.69E-04	1.05E-03	8.30E-03	2.92E-03	1.24E-04	1.24E-02
5752	489604.85	3857927.82	0.24156	0.27207	0.4214	0.03874	9.01E-04	8.12E-03	2.69E-03	1.22E-04	1.18E-02	8.20E-04	8.22E-09	3.58E-05	3.34E-06	8.59E-04	1.04E-03	8.12E-03	2.69E-03	1.22E-04	1.20E-02
5753	489691.97	3857926.28	0.23911	0.26704	0.3905	0.03831	8.92E-04	7.97E-03	2.49E-03	1.21E-04	1.15E-02	8.12E-04	8.06E-09	3.32E-05	3.30E-06	8.48E-04	1.03E-03	7.97E-03	2.49E-03	1.21E-04	1.16E-02
5754	489779.08	3857924.73	0.23663	0.26178	0.3637	0.03796	8.83E-04	7.81E-03	2.32E-03	1.20E-04	1.11E-02	8.03E-04	7.91E-09	3.09E-05	3.27E-06	8.38E-04	1.02E-03	7.81E-03	2.32E-03	1.20E-04	1.13E-02
5755	490017.54	3857875.08	0.2378	0.24086	0.3173	0.03651	8.87E-04	7.19E-03	2.02E-03	1.15E-04	1.02E-02	8.07E-04	7.27E-09	2.70E-05	3.14E-06	8.37E-04	1.03E-03	7.19E-03	2.02E-03	1.15E-04	1.04E-02
5756	490033.82	3857960.81	0.22157	0.25408	0.291	0.03812	8.27E-04	7.58E-03	1.86E-03	1.20E-04	1.04E-02	7.52E-04	7.67E-09	2.47E-05	3.28E-06	7.80E-04	9.56E-04	7.58E-03	1.86E-03	1.20E-04	1.05E-02
5757	489959.15	3857987.49	0.21884	0.26392	0.2969	0.03881	8.17E-04	7.87E-03	1.89E-03	1.23E-04	1.07E-02	7.43E-04	7.97E-09	2.53E-05	3.34E-06	7.72E-04	9.44E-04	7.87E-03	1.89E-03	1.23E-04	1.08E-02
5758	489791.49	3858016.12	0.21924	0.27539	0.3214	0.03989	8.18E-04	8.22E-03	2.05E-03	1.26E-04	1.12E-02	7.44E-04	8.32E-09	2.73E-05	3.43E-06	7.75E-04	9.46E-04	8.22E-03	2.05E-03	1.26E-04	1.13E-02
5759	489698.51	3858018.07	0.22111	0.28168	0.3446	0.04027	8.25E-04	8.40E-03	2.20E-03	1.27E-04	1.16E-02	7.51E-04	8.51E-09	2.93E-05	3.47E-06	7.83E-04	9.54E-04	8.40E-03	2.20E-03	1.27E-04	1.17E-02
5760	489605.52	3858020.02	0.22273	0.28822	0.3714	0.04075	8.31E-04	8.60E-03	2.37E-03	1.29E-04	1.19E-02	7.56E-04	8.70E-09	3.16E-05	3.51E-06	7.91E-04	9.61E-04	8.60E-03	2.37E-03	1.29E-04	1.21E-02
5761	489512.53	3858021.96	0.22405	0.29504	0.4029	0.04134	8.36E-04	8.80E-03	2.57E-03	1.31E-04	1.23E-02	7.61E-04	8.91E-09	3.43E-05	3.56E-06	7.98E-04	9.67E-04	8.80E-03	2.57E-03	1.31E-04	1.25E-02
5762	489419.55	3858023.91	0.22481	0.30278	0.4404	0.04202	8.39E-04	9.03E-03	2.81E-03	1.33E-04	1.28E-02	7.63E-04	9.14E-09	3.75E-05	3.62E-06	8.04E-04	9.70E-04	9.03E-03	2.81E-03	1.33E-04	1.29E-02
5763	489228.47	3858041.29	0.22358	0.3186	0.5227	0.04418	8.34E-04	9.50E-03	3.33E-03	1.39E-04	1.38E-02	7.59E-04	9.62E-09	4.45E-05	3.80E-06	8.07E-04	9.65E-04	9.50E-03	3.33E-03	1.39E-04	1.39E-02
5764	489065.75	3858085.78	0.21171	0.34516	0.5663	0.04752	7.90E-04	1.03E-02	3.61E-03	1.50E-04	1.48E-02	7.19E-04	1.04E-08	4.82E-05	4.09E-06	7.71E-04	9.14E-04	1.03E-02	3.61E-03	1.50E-04	1.50E-02
5765	489001.12	3858114.86	0.20375	0.35851	0.5537	0.04938	7.60E-04	1.07E-02	3.53E-03	1.56E-04	1.51E-02	6.92E-04	1.08E-08	4.71E-05	4.25E-06	7.43E-04	8.79E-04	1.07E-02	3.53E-03	1.56E-04	1.53E-02
5766	488861.89	3858189.81	0.18361	0.39258	0.4675	0.05448	6.85E-04	1.17E-02	2.98E-03	1.72E-04	1.56E-02	6.23E-04	1.19E-08	3.98E-05	4.69E-06	6.68E-04	7.92E-04	1.17E-02	2.98E-03	1.72E-04	1.57E-02
5767	488787.28	3858235.69	0.17205	0.41821	0.3975	0.05818	6.42E-04	1.25E-02	2.54E-03	1.84E-04	1.58E-02	5.84E-04	1.26E-08	3.38E-05	5.01E-06	6.23E-04	7.42E-04	1.25E-02	2.54E-03	1.84E-04	1.59E-02
5768	488712.68	3858281.57	0.16365	0.4431	0.3257	0.06245	6.11E-04	1.32E-02	2.08E-03	1.97E-04	1.61E-02	5.56E-04	1.34E-08	2.77E-05	5.38E-06	5.89E-04	7.06E-04	1.32E-02	2.08E-03	1.97E-04	1.62E-02
5769	488654.39	3858436.17	0.14439	0.51879	0.1162	0.07348	5.39E-04	1.55E-02	7.41E-04	2.32E-04	1.70E-02	4.90E-04	1.57E-08	9.88E-06	6.33E-06	5.06E-04	6.23E-04	1.55E-02	7.41E-04	2.32E-04	1.71E-02
5770	488726.3	3858505.26	0.13659	0.53937	0.0885	0.0737	5.10E-04	1.61E-02	5.64E-04	2.33E-04	1.74E-02	4.64E-04	1.63E-08	7.52E-06	6.35E-06	4.78E-04	5.89E-04	1.61E-02	5.64E-04	2.33E-04	1.75E-02
5771	488880.6	3858599.28	0.12631	0.57683	0.0704	0.07153	4.71E-04	1.72E-02	4.49E-04	2.26E-04	1.84E-02	4.29E-04	1.74E-08	5.99E-06	6.16E-06	4.41E-04	5.45E-04	1.72E-02	4.49E-04	2.26E-04	1.84E-02
5772	489008.06	3858714.75	0.11625	0.66794	0.0524	0.07453	4.34E-04	1.99E-02	3.34E-04	2.35E-04	2.09E-02	3.95E-04	2.02E-08	4.46E-06	6.42E-06	4.06E-04	5.02E-04	1.99E-02	3.34E-04	2.35E-04	2.10E-02
5773	489071.48	3858772.72	0.11178	0.71929	0.0463	0.07709	4.17E-04	2.15E-02	2.96E-04	2.43E-04	2.24E-02	3.79E-04	2.17E-08	3.94E-06	6.64E-06	3.90E-04	4.82E-04	2.15E-02	2.96E-04	2.43E-04	2.25E-02
5774	489244.59	3858920.19	0.10133	0.82043	0.0361	0.08793	3.78E-04	2.45E-02	2.30E-04	2.78E-04	2.54E-02	3.44E-04	2.48E-08	3.07E-06	7.57E-06	3.55E-04	4.37E-04	2.45E-02	2.30E-04	2.78E-04	2.54E-02
5775	489239.69	3858952.23	0.09985	0.86079	0.0334	0.09152	3.73E-04	2.57E-02	2.13E-04	2.89E-04	2.66E-02	3.39E-04	2.60E-08	2.84E-06	7.88E-06	3.50E-04	4.31E-04	2.57E-02	2.13E-04	2.89E-04	2.66E-02
5776	489121.67	3858854.49	0.10643	0.81142	0.0385	0.0836	3.97E-04	2.42E-02	2.46E-04	2.64E-04	2.51E-02	3.61E-04	2.45E-08	3.27E-06	7.20E-06	3.72E-04	4.59E-04	2.42E-02	2.46E-04	2.64E-04	2.52E-02
5777	489059.59	3858797.27	0.11051	0.75918	0.0426	0.07934	4.12E-04	2.26E-02	2.72E-04	2.51E-04	2.36E-02	3.75E-04	2.29E-08	3.62E-06	6.83E-06	3.86E-04	4.77E-04	2.26E-02	2.72E-04	2.51E-04	2.36E-02
5778	488997.52	3858740.04	0.11494	0.7017	0.0478	0.07641	4.29E-04	2.09E-02	3.05E-04	2.41E-04	2.19E-02	3.90E-04	2.12E-08	4.06E-06	6.58E-06	4.01E-04	4.96E-04	2.09E-02	3.05E-04	2.41E-04	2.20E-02
5779	488935.44	3858682.82	0.11952	0.649	0.0542	0.07424	4.46E-04	1.94E-02	3.46E-04	2.34E-04	2.04E-02	4.06E-04	1.96E-08	4.61E-06	6.39E-06	4.17E-04	5.16E-04	1.94E-02	3.46E-04	2.34E-04	2.05E-02
5780	488869.17	3858848.43	0.10996	0.98093	0.0305	0.08905	4.10E-04	2.93E-02	1.95E-04	2.81E-04	3.02E-02	3.73E-04	2.96E-08	2.60E-06	7.67E-06	3.84E-04	4.74E-04	2.93E-02	1.95E-04	2.81E-04	3.02E-02
5781	488932.48	3858892.69	0.10666	1.03914	0.0292	0.0921	3.98E-04	3.10E-02	1.86E-04	2.91E-04	3.19E-02	3.62E-04	3.14E-08	2.49E-06	7.93E-06	3.73E-04	4.60E-04	3.10E-02	1.86E-04	2.91E-04	3.19E-02
5782	489063.27	3858977.17	0.10097	1.06679	0.0274	0.10009	3.77E-04	3.18E-02	1.75E-04	3.16E-04	3.27E-02	3.43E-04	3.22E-08	2.33E-06	8.62E-06	3.54E-04	4.36E-04	3.18E-02	1.75E-04	3.16E-04	3.28E-02
5783	489248.2	3859117.15	0.09259	0.99477	0.0244	0.11244	3.45E-04	2.97E-02	1.55E-04	3.55E-04	3.05E-02	3.14E-04	3.00E-08	2.07E-06	9.68E-06	3.26E-04	4.00E-04	2.97E-02	1.55E-04	3.55E-04	3.06E-02
5784	489296.25	3859049.22	0.09469	0.90933	0.0285	0.10066	3.53E-04	2.71E-02	1.81E-04	3.18E-04	2.80E-02	3.21E-04	2.75E-08	2.42E-06	8.67E-06	3.33E-04	4.09E-04	2.71E-02	1.81E-04	3.18E-04	2.80E-02
5785	489353.38	3858993.96	0.09631	0.82128	0.0329	0.09209	3.59E-04	2.45E-02	2.10E-04	2.91E-04	2.54E-02	3.27E-04	2.48E-08	2.80E-06	7.93E-06	3.38E-04	4.16E-04	2.45E-02	2.10E-04	2.91E-04	2.54E-02
5786	489537.24	3859120.22	0.08875	0.77319	0.0288	0.09839	3.31E-04	2.31E-02	1.84E-04	3.11E-04	2.39E-02	3.01E-04	2.33E-08	2.45E-06	8.47E-06	3.12E-04	3.83E-04	2.31E-02	1.84E-04	3.11E-04	2.39E-02
5787	489726.98	3859246.04	0.08184	0.70161	0.0256	0.09797	3.05E-04	2.09E-02	1.63E-04	3.09E-04	2.17E-02	2.78E-04	2.12E-08	2.18E-06	8.44E-06	2.88E-04	3.53E-04	2.09E-02	1.63E-04	3.09E-04	2.18E-02
5788	489911.46	3859366.33	0.07621	0.62458	0.0234	0.09195	2.84E-04	1.86E-02	1.49E-04	2.90E-04	1.94E-02	2.59E-04	1.89E-08	1.99E-06	7.92E-06	2.69E-04	3.29E-04	1.86E-02	1.49E-04	2.90E-04	1.94E-02
5789	490035.3	3859430.26	0.07281	0.58828	0.0222	0.08727	2.72E-04	1.76E-02	1.41E-04	2.76E-04	1.82E-02	2.47E-04	1.78E-08	1.88E-06	7.51E-06	2.57E-04	3.14E-04	1.76E-02	1.41E-04	2.76E-04	1.83E-02
5790	490101.11	3859458.61	0.07144	0.56808	0.0218	0.0843	2.67E-04	1.69E-02	1.39E-04	2.66E-04	1.76E-02	2.43E-04	1.72E-08	1.86E-06	7.26E-06	2.52E-04	3.08E-04	1.69E-02	1.39E-04	2.66E-04	1.77E-02
5791	490312.68	3859560.3	0.0671	0.51337	0.0205	0.07431	2.50E-04	1.53E-02	1.31E-04	2.35E-04	1.59E-02	2.28E-04	1.55E-08	1.75E-06	6.40E-06	2.36E-04	2.90E-04	1.53E-02	1.31E-04	2.35E-04	1.60E-02

5792	490401.63	3859603.12	0.06551	0.49309	0.0201	0.06992	2.44E-04	1.47E-02	1.28E-04	2.21E-04	1.53E-02	2.22E-04	1.49E-08	1.71E-06	6.02E-06	2.30E-04	2.83E-04	1.47E-02	1.28E-04	2.21E-04	1.53E-02
5793	490490.57	3859645.94	0.06402	0.47387	0.0197	0.06557	2.39E-04	1.41E-02	1.26E-04	2.07E-04	1.47E-02	2.17E-04	1.43E-08	1.67E-06	5.65E-06	2.25E-04	2.76E-04	1.41E-02	1.26E-04	2.07E-04	1.47E-02
5794	490579.51	3859688.76	0.06268	0.45488	0.0193	0.06135	2.34E-04	1.36E-02	1.23E-04	1.94E-04	1.41E-02	2.13E-04	1.37E-08	1.64E-06	5.28E-06	2.20E-04	2.70E-04	1.36E-02	1.23E-04	1.94E-04	1.42E-02
5795	490668.45	3859731.58	0.06152	0.43472	0.0191	0.05734	2.30E-04	1.30E-02	1.22E-04	1.81E-04	1.35E-02	2.09E-04	1.31E-08	1.63E-06	4.94E-06	2.15E-04	2.65E-04	1.30E-02	1.22E-04	1.81E-04	1.35E-02
5796	490757.4	3859774.4	0.06009	0.42035	0.0186	0.05377	2.24E-04	1.25E-02	1.19E-04	1.70E-04	1.31E-02	2.04E-04	1.27E-08	1.59E-06	4.63E-06	2.10E-04	2.59E-04	1.25E-02	1.19E-04	1.70E-04	1.31E-02
5797	491003.53	3859861.82	0.05749	0.37964	0.0181	0.04595	2.15E-04	1.13E-02	1.15E-04	1.45E-04	1.18E-02	1.95E-04	1.15E-08	1.54E-06	3.96E-06	2.01E-04	2.48E-04	1.13E-02	1.15E-04	1.45E-04	1.18E-02
5798	491081.41	3859879.05	0.05694	0.36894	0.018	0.04413	2.12E-04	1.10E-02	1.15E-04	1.39E-04	1.15E-02	1.93E-04	1.11E-08	1.53E-06	3.80E-06	1.99E-04	2.46E-04	1.10E-02	1.15E-04	1.39E-04	1.15E-02
5799	491229.76	3859917.82	0.05578	0.34914	0.0177	0.04088	2.08E-04	1.04E-02	1.13E-04	1.29E-04	1.09E-02	1.89E-04	1.05E-08	1.50E-06	3.52E-06	1.94E-04	2.41E-04	1.04E-02	1.13E-04	1.29E-04	1.09E-02
5800	491300.22	3859939.35	0.05511	0.34011	0.0174	0.03945	2.06E-04	1.01E-02	1.11E-04	1.25E-04	1.06E-02	1.87E-04	1.03E-08	1.48E-06	3.40E-06	1.92E-04	2.38E-04	1.01E-02	1.11E-04	1.25E-04	1.06E-02
5801	491350.48	3860012.03	0.05274	0.33046	0.0163	0.03733	1.97E-04	9.86E-03	1.04E-04	1.18E-04	1.03E-02	1.79E-04	9.98E-09	1.38E-06	3.21E-06	1.84E-04	2.28E-04	9.86E-03	1.04E-04	1.18E-04	1.03E-02
5802	491406.82	3860092.56	0.05056	0.31717	0.0153	0.0348	1.89E-04	9.46E-03	9.76E-05	1.10E-04	9.86E-03	1.72E-04	9.58E-09	1.30E-06	3.00E-06	1.76E-04	2.18E-04	9.46E-03	9.76E-05	1.10E-04	9.89E-03
5803	491483.36	3860121.96	0.04994	0.3059	0.0152	0.03326	1.86E-04	9.13E-03	9.66E-05	1.05E-04	9.51E-03	1.70E-04	9.24E-09	1.29E-06	2.86E-06	1.74E-04	2.15E-04	9.13E-03	9.66E-05	1.05E-04	9.54E-03
5804	491559.91	3860151.35	0.04928	0.29504	0.015	0.0318	1.84E-04	8.80E-03	9.55E-05	1.00E-04	9.18E-03	1.67E-04	8.91E-09	1.27E-06	2.74E-06	1.71E-04	2.13E-04	8.80E-03	9.55E-05	1.00E-04	9.21E-03
5805	491711.81	3860237.76	0.04857	0.26784	0.0152	0.02799	1.81E-04	7.99E-03	9.68E-05	8.84E-05	8.36E-03	1.65E-04	8.09E-09	1.29E-06	2.41E-06	1.69E-04	2.10E-04	7.99E-03	9.68E-05	8.84E-05	8.39E-03
5806	491755.2	3860319.07	0.04541	0.25815	0.0135	0.02594	1.69E-04	7.70E-03	8.62E-05	8.19E-05	8.04E-03	1.54E-04	7.80E-09	1.15E-06	2.23E-06	1.58E-04	1.96E-04	7.70E-03	8.62E-05	8.19E-05	8.07E-03
5807	491704.71	3860366.54	0.04451	0.25667	0.013	0.02516	1.66E-04	7.66E-03	8.29E-05	7.94E-05	7.99E-03	1.51E-04	7.75E-09	1.10E-06	2.17E-06	1.54E-04	1.92E-04	7.66E-03	8.29E-05	7.94E-05	8.01E-03
5808	491623.42	3860462.39	0.04282	0.2505	0.012	0.02331	1.60E-04	7.47E-03	7.67E-05	7.36E-05	7.78E-03	1.45E-04	7.56E-09	1.02E-06	2.01E-06	1.48E-04	1.85E-04	7.47E-03	7.67E-05	7.36E-05	7.81E-03
5809	491534.02	3860439.85	0.04465	0.26072	0.0127	0.02457	1.67E-04	7.78E-03	8.11E-05	7.76E-05	8.10E-03	1.52E-04	7.87E-09	1.08E-06	2.12E-06	1.55E-04	1.93E-04	7.78E-03	8.11E-05	7.76E-05	8.13E-03
5810	491313.95	3860268.17	0.04634	0.30537	0.013	0.03003	1.73E-04	9.11E-03	8.32E-05	9.48E-05	9.46E-03	1.57E-04	9.22E-09	1.11E-06	2.59E-06	1.61E-04	2.00E-04	9.11E-03	8.32E-05	9.48E-05	9.49E-03
5811	491187.12	3860143.56	0.04935	0.33819	0.0141	0.03561	1.84E-04	1.01E-02	9.01E-05	1.12E-04	1.05E-02	1.68E-04	1.02E-08	1.20E-06	3.07E-06	1.72E-04	2.13E-04	1.01E-02	9.01E-05	1.12E-04	1.05E-02
5812	491070.43	3860075.97	0.05124	0.36153	0.0147	0.03952	1.91E-04	1.08E-02	9.38E-05	1.25E-04	1.12E-02	1.74E-04	1.09E-08	1.25E-06	3.40E-06	1.79E-04	2.21E-04	1.08E-02	9.38E-05	1.25E-04	1.12E-02
5813	490995.09	3860039.38	0.05226	0.37584	0.015	0.04175	1.95E-04	1.12E-02	9.56E-05	1.32E-04	1.16E-02	1.77E-04	1.13E-08	1.27E-06	3.60E-06	1.82E-04	2.26E-04	1.12E-02	9.56E-05	1.32E-04	1.17E-02
5814	490919.75	3860002.8	0.05335	0.39028	0.0153	0.04408	1.99E-04	1.16E-02	9.76E-05	1.39E-04	1.21E-02	1.81E-04	1.18E-08	1.30E-06	3.80E-06	1.86E-04	2.30E-04	1.16E-02	9.76E-05	1.39E-04	1.21E-02
5815	490756.81	3859894.53	0.0567	0.42126	0.0165	0.05038	2.12E-04	1.26E-02	1.05E-04	1.59E-04	1.30E-02	1.92E-04	1.27E-08	1.40E-06	4.34E-06	1.98E-04	2.45E-04	1.26E-02	1.05E-04	1.59E-04	1.31E-02
5816	490668.07	3859860.92	0.05765	0.43912	0.0166	0.05377	2.15E-04	1.31E-02	1.06E-04	1.70E-04	1.36E-02	1.96E-04	1.33E-08	1.42E-06	4.63E-06	2.02E-04	2.49E-04	1.31E-02	1.06E-04	1.70E-04	1.36E-02
5817	490579.34	3859827.3	0.05884	0.45621	0.0169	0.05734	2.20E-04	1.36E-02	1.08E-04	1.81E-04	1.41E-02	2.00E-04	1.38E-08	1.44E-06	4.94E-06	2.06E-04	2.54E-04	1.36E-02	1.08E-04	1.81E-04	1.42E-02
5818	490490.6	3859793.68	0.05991	0.47505	0.017	0.06142	2.24E-04	1.42E-02	1.09E-04	1.94E-04	1.47E-02	2.03E-04	1.43E-08	1.45E-06	5.29E-06	2.10E-04	2.59E-04	1.42E-02	1.09E-04	1.94E-04	1.47E-02
5819	490401.86	3859760.07	0.0611	0.49478	0.0172	0.06588	2.28E-04	1.48E-02	1.10E-04	2.08E-04	1.53E-02	2.07E-04	1.49E-08	1.46E-06	5.67E-06	2.15E-04	2.64E-04	1.48E-02	1.10E-04	2.08E-04	1.53E-02
5820	490313.12	3859726.45	0.06249	0.51427	0.0174	0.07066	2.33E-04	1.53E-02	1.11E-04	2.23E-04	1.59E-02	2.12E-04	1.55E-08	1.48E-06	6.08E-06	2.20E-04	2.70E-04	1.53E-02	1.11E-04	2.23E-04	1.59E-02
5821	490224.39	3859692.83	0.06403	0.53463	0.0177	0.07583	2.39E-04	1.59E-02	1.13E-04	2.39E-04	1.65E-02	2.17E-04	1.61E-08	1.50E-06	6.53E-06	2.25E-04	2.76E-04	1.59E-02	1.13E-04	2.39E-04	1.66E-02
5822	490135.65	3859659.22	0.06575	0.55423	0.018	0.08135	2.45E-04	1.65E-02	1.15E-04	2.57E-04	1.72E-02	2.23E-04	1.67E-08	1.53E-06	7.01E-06	2.32E-04	2.84E-04	1.65E-02	1.15E-04	2.57E-04	1.72E-02
5823	489918.18	3859559.23	0.07061	0.61552	0.0189	0.09659	2.63E-04	1.84E-02	1.20E-04	3.05E-04	1.91E-02	2.40E-04	1.86E-08	1.61E-06	8.32E-06	2.50E-04	3.05E-04	1.84E-02	1.20E-04	3.05E-04	1.91E-02
5824	489743.61	3859486	0.07444	0.68482	0.0192	0.10876	2.78E-04	2.04E-02	1.23E-04	3.43E-04	2.12E-02	2.53E-04	2.07E-08	1.63E-06	9.37E-06	2.64E-04	3.21E-04	2.04E-02	1.23E-04	3.43E-04	2.12E-02
5825	489660.32	3859440.27	0.07659	0.72891	0.0195	0.11362	2.86E-04	2.17E-02	1.24E-04	3.59E-04	2.25E-02	2.60E-04	2.20E-08	1.66E-06	9.78E-06	2.71E-04	3.30E-04	2.17E-02	1.24E-04	3.59E-04	2.26E-02
5826	489577.04	3859394.53	0.07884	0.77904	0.0198	0.11815	2.94E-04	2.32E-02	1.26E-04	3.73E-04	2.40E-02	2.68E-04	2.35E-08	1.68E-06	1.02E-05	2.80E-04	3.40E-04	2.32E-02	1.26E-04	3.73E-04	2.41E-02
5827	489493.75	3859348.8	0.08109	0.83778	0.02	0.12239	3.03E-04	2.50E-02	1.28E-04	3.86E-04	2.58E-02	2.75E-04	2.53E-08	1.70E-06	1.05E-05	2.88E-04	3.50E-04	2.50E-02	1.28E-04	3.86E-04	2.59E-02
5828	489321.28	3859240.02	0.0866	0.97511	0.021	0.12641	3.23E-04	2.91E-02	1.34E-04	3.99E-04	2.99E-02	2.94E-04	2.94E-08	1.78E-06	1.09E-05	3.07E-04	3.74E-04	2.91E-02	1.34E-04	3.99E-04	3.00E-02
5829	489235.41	3859193.96	0.08934	1.04322	0.0213	0.1258	3.33E-04	3.11E-02	1.36E-04	3.97E-04	3.20E-02	3.03E-04	3.15E-08	1.81E-06	1.08E-05	3.16E-04	3.86E-04	3.11E-02	1.36E-04	3.97E-04	3.20E-02
5830	489149.54	3859147.89	0.09165	1.13885	0.0215	0.1239	3.42E-04	3.40E-02	1.37E-04	3.91E-04	3.48E-02	3.11E-04	3.44E-08	1.82E-06	1.07E-05	3.24E-04	3.95E-04	3.40E-02	1.37E-04	3.91E-04	3.49E-02
5831	489063.68	3859101.82	0.09436	1.23019	0.0218	0.12075	3.52E-04	3.67E-02	1.39E-04	3.81E-04	3.76E-02	3.20E-04	3.71E-08	1.85E-06	1.04E-05	3.33E-04	4.07E-04	3.67E-02	1.39E-04	3.81E-04	3.76E-02
5832	488977.81	3859055.75	0.09716	1.33207	0.0222	0.11586	3.63E-04	3.97E-02	1.42E-04	3.66E-04	4.06E-02	3.30E-04	4.02E-08	1.89E-06	9.98E-06	3.42E-04	4.19E-04	3.97E-02	1.42E-04	3.66E-04	4.07E-02
5833	488891.94	3859009.69	0.09951	1.49203	0.0226	0.10986	3.71E-04	4.45E-02	1.44E-04	3.47E-04	4.54E-02	3.38E-04	4.51E-08	1.92E-06	9.46E-06	3.49E-04	4.29E-04	4.45E-02	1.44E-04	3.47E-04	4.54E-02
5834	488808	3859060.73	0.09559	1.97024	0.0199	0.12132	3.57E-04	5.88E-02	1.27E-04	3.83E-04	5.96E-02	3.25E-04	5.95E-08	1.69E-06	1.04E-05	3.37E-04	4.12E-04	5.88E-02	1.27E-04	3.83E-04	5.97E-02
5835	488809.93	3859157.85	0.08922	2.06718	0.0174	0.1507	3.33E-04	6.17E-02	1.11E-04	4.76E-04	6.26E-02	3.03E-04	6.24E-08	1.48E-06	1.30E-05	3.17E-04	3.85E-04	6.17E-02	1.11E-04	4.76E-04	6.26E-02
5836	488811.85	3859254.96	0.08328	2.14585	0.0154	0.1855	3.11E-04	6.40E-02	9.80E-05	5.86E-04	6.50E-02	2.83E-04	6.48E-08	1.31E-06	1.60E-05	3.00E-04	3.59E-04	6.40E-02	9.80E-05	5.86E-04	6.51E-02
5837	488813.78	3859352.07	0.07798	2.19734	0.0137	0.20204	2.91E-04	6.56E-02	8.71E-05	6.38E-04	6.66E-02	2.65E-04	6.64E-08	1.16E-06	1.74E-05	2.83E-04	3.36E-04	6.56E-02	8.71E-05	6.38E-04	6.66E-02
5838	488815.71	3859449.19	0.07347	2.19138	0.0123	0.22272	2.74E-04	6.54E-02	7.83E-05	7.03E-04	6.64E-02	2.49E-04	6.62E-08	1.04E-06	1.92E-05	2.70E-04	3.17E-04	6.54E-02	7.83E-05	7.03E-04	6.65E-02
5839	488910.04	3859547.1	0.06976	1.43522	0.0119	0.26795	2.60E-04	4.28E-02	7.60E-05	8.46E-04	4.40E-02	2.37E-04	4.33E-08	1.01E-06	2.31E-05	2.61E-04	3.01E-04	4.28E-02	7.60E-05	8.46E-04	4.40E-02
5840	489002.45	3859547.91	0.07027	1.23888	0.0128	0.24263	2.62E-04	3.70E-02	8.19E-05	7.66E-04	3.81E-02	2.39E-04	3.74E-08	1.09E-06	2.09E-05	2.61E-04	3.03E-04	3.70E-02	8.19E-05	7.66E-04	3.81E-02
5841	489094.85	3859548.71	0.07097	1.09707	0.0138	0.2173	2.65E-04	3.27E-02	8.77E-05	6.86E-04	3.38E-02	2.41E-04	3.31E-08	1.17E-06	1.87E-05	2.61E-04	3.06E-04	3.27E-02	8.77E-05	6.86E-04	3.38E-02
5842	489230.05	3859601.87	0.06965	0.92264	0.0141	0.19196	2.60E-04	2.75E-02	9.01E-05	6.06E-04	2.85E-02	2.36E-04	2.79E-08	1.20E-06	1.65E-05	2.54E-04	3.01E-04	2.75E-02	9.01E-05	6.06E-04	2.85E-02
5843	489227.52	3859680.89	0.0663	0.87921	0.0133	0.19564	2.47E-04	2.62E-02	8.47E-05	6.18E-04	2.72E-02	2.25E-04	2.66E-08	1.13E-06	1.68E-05	2.43E-04	2.86E-04	2.62E-02	8.47E-05	6.18E-04	2.72E-02
5844	489133.47	3859760.29	0.06282	0.89704	0.0117	0.21634	2.34E-04	2.68E-02	7.43E-05	6.83E-04	2.78E-02	2.13E-04	2.71E-08	9.91E-07	1.86E-05	2.33E-04	2.71E-04	2.68E-02	7.43E-05	6.83E-04	2.78E-02
5845	489041.96	3859760.67	0.06247	0.94578	0.0108	0.2503	2.33E-04	2.82E-02	6.88E-05	7.90E-04	2.93E-02	2.12E-04	2.86E-08	9.18E-07	2.16E-05	2.35E-04	2.70E-04	2.82E-02	6.88E-05	7.90E-04	2.93E-02
5846	488950.45	3859761.05	0.06215	1.0023	0.01	0.29437	2.32E-04	2.99E-02	6.39E-05	9.29E-04	3.11E-02	2.11E-04	3.03E-08	8.52E-07	2.53E-05	2.37E-04	2.68E-04	2.99E-02	6.39E-05	9.29E-04	3.12E-02
5847	488858.94	3859761.43	0.06192	1.06887	0.0094	0.35313	2.31E-04	3.19E-02	6.00E-05	1.11E-03	3.33E-02	2.10E-04	3.23E-08	7.99E-07	3.04E-05	2.41E-04	2.67E-04	3.19E-02	6.00E-05	1.11E-03	3.33E-02
5848	488767.43	3859761.82	0.0615	1.15878	0.0089	0.43706	2.29E-04	3.46E-02	5.67E-05	1.38E-03	3.62E-02	2.09E-04	3.50E-08	7.56E-07	3.76E-05	2.47E-04	2.65E-04	3.46E-02	5.67E-05	1.38E-03	3.63E-02
5849	488675.92	3859762.2	0.06123	1.28015	0.0086	0.56256	2.28E-04	3.82E-02	5.47E-05	1.78E-03	4.03E-02	2.08E-04	3.87E-08	7.30E-07	4.84E-05	2.57E-04	2.64E-04	3.82E-02	5.47E-05	1.78E-03	4.03E-02
5850	488584.41	3859762.58	0.06079	1.45785	0.0085	0.74904	2.27E-04	4.35E-02	5.43E-05	2.36E-03	4.61E-02	2.06E-04	4.40E-08	7.25E-07	6.45E-05	2.72E-04	2.62E-04	4.35E-02	5.43E-05	2.36E-03	4.62E-02
5851	488492.9	3859762.96	0.06036	1.74502	0.0087	0.93544	2.25E-04	5.21E-02	5.55E-05	2.95E-03	5.53E-02	2.05E-04	5.27E-08	7.40E-07	8.06E-05	2.86E-04	2.60E-04	5.21E-02	5.55E-05	2.95E-03	5.53E-02
5852	488402.76	3859830.95	0.05779	2.34526	0.0088	0.32778	2.16E-04	7.00E-02	5.64E-05	1.03E-03	7.13E-02	1.96E-04	7.08E-08	7.52E-07	2.82E-05	2.25E-04	2.49E-04	7.00E-02	5.64E-05	1.03E-03	7.13E-02

5853	488404.14	3859898.55	0.05563	2.35179	0.0086	0.17272	2.08E-04	7.02E-02	5.49E-05	5.45E-04	7.10E-02	1.89E-04	7.10E-08	7.32E-07	1.49E-05	2.05E-04	2.40E-04	7.02E-02	5.49E-05	5.45E-04	7.10E-02
5854	488505.18	3859964.96	0.05436	1.9753	0.008	0.21758	2.03E-04	5.89E-02	5.09E-05	6.87E-04	5.99E-02	1.85E-04	5.97E-08	6.79E-07	1.87E-05	2.04E-04	2.35E-04	5.89E-02	5.09E-05	6.87E-04	5.99E-02
5855	488604.84	3859963.76	0.05488	1.76896	0.0077	0.25335	2.05E-04	5.28E-02	4.93E-05	8.00E-04	5.38E-02	1.86E-04	5.34E-08	6.57E-07	2.18E-05	2.09E-04	2.37E-04	5.28E-02	4.93E-05	8.00E-04	5.39E-02
5856	488704.51	3859962.56	0.05535	1.60252	0.0077	0.26431	2.07E-04	4.78E-02	4.89E-05	8.35E-04	4.89E-02	1.88E-04	4.84E-08	6.52E-07	2.28E-05	2.11E-04	2.39E-04	4.78E-02	4.89E-05	8.35E-04	4.89E-02
5857	488804.18	3859961.37	0.05578	1.42066	0.0079	0.2571	2.08E-04	4.24E-02	5.02E-05	8.12E-04	4.35E-02	1.89E-04	4.29E-08	6.69E-07	2.21E-05	2.12E-04	2.41E-04	4.24E-02	5.02E-05	8.12E-04	4.35E-02
5858	488903.85	3859960.17	0.05616	1.23653	0.0083	0.23596	2.10E-04	3.69E-02	5.28E-05	7.45E-04	3.79E-02	1.91E-04	3.73E-08	7.04E-07	2.03E-05	2.12E-04	2.42E-04	3.69E-02	5.28E-05	7.45E-04	3.79E-02
5859	489003.52	3859958.97	0.05643	1.09976	0.0088	0.21163	2.11E-04	3.28E-02	5.64E-05	6.68E-04	3.37E-02	1.92E-04	3.32E-08	7.52E-07	1.82E-05	2.11E-04	2.44E-04	3.28E-02	5.64E-05	6.68E-04	3.38E-02
5860	489103.18	3859957.77	0.05666	0.99804	0.0095	0.18819	2.11E-04	2.98E-02	6.09E-05	5.94E-04	3.06E-02	1.92E-04	3.01E-08	8.11E-07	1.62E-05	2.09E-04	2.44E-04	2.98E-02	6.09E-05	5.94E-04	3.07E-02
5861	489201.48	3860046.59	0.05455	0.97811	0.0096	0.14821	2.04E-04	2.92E-02	6.14E-05	4.68E-04	2.99E-02	1.85E-04	2.95E-08	8.18E-07	1.28E-05	1.99E-04	2.35E-04	2.92E-02	6.14E-05	4.68E-04	2.99E-02
5862	489200.11	3860136.61	0.05223	1.0521	0.0089	0.12908	1.95E-04	3.14E-02	5.68E-05	4.08E-04	3.20E-02	1.77E-04	3.18E-08	7.58E-07	1.11E-05	1.89E-04	2.25E-04	3.14E-02	5.68E-05	4.08E-04	3.21E-02
5863	489198.74	3860226.63	0.05008	1.25867	0.0083	0.11393	1.87E-04	3.76E-02	5.29E-05	3.60E-04	3.81E-02	1.70E-04	3.80E-08	7.05E-07	9.81E-06	1.81E-04	2.16E-04	3.76E-02	5.29E-05	3.60E-04	3.82E-02
5864	489197.38	3860316.65	0.04799	1.85304	0.0077	0.09891	1.79E-04	5.53E-02	4.92E-05	3.12E-04	5.58E-02	1.63E-04	5.60E-08	6.57E-07	8.52E-06	1.72E-04	2.07E-04	5.53E-02	4.92E-05	3.12E-04	5.59E-02
5865	489196.01	3860406.68	0.04611	1.93764	0.0073	0.08037	1.72E-04	5.78E-02	4.62E-05	2.54E-04	5.83E-02	1.57E-04	5.85E-08	6.17E-07	6.92E-06	1.64E-04	1.99E-04	5.78E-02	4.62E-05	2.54E-04	5.83E-02
5866	489194.64	3860496.7	0.04416	1.77162	0.0068	0.06274	1.65E-04	5.29E-02	4.34E-05	1.98E-04	5.33E-02	1.50E-04	5.35E-08	5.78E-07	5.40E-06	1.56E-04	1.91E-04	5.29E-02	4.34E-05	1.98E-04	5.33E-02
5867	489193.27	3860586.72	0.04249	1.15459	0.0064	0.04817	1.59E-04	3.44E-02	4.11E-05	1.52E-04	3.48E-02	1.44E-04	3.49E-08	5.48E-07	4.15E-06	1.49E-04	1.83E-04	3.44E-02	4.11E-05	1.52E-04	3.48E-02
5868	489092.02	3860678.13	0.04062	0.67076	0.0059	0.03858	1.52E-04	2.00E-02	3.74E-05	1.22E-04	2.03E-02	1.38E-04	2.03E-08	4.99E-07	3.32E-06	1.42E-04	1.75E-04	2.00E-02	3.74E-05	1.22E-04	2.03E-02
5869	488992.13	3860679.52	0.04034	0.68211	0.0058	0.03975	1.51E-04	2.03E-02	3.67E-05	1.26E-04	2.07E-02	1.37E-04	2.06E-08	4.89E-07	3.42E-06	1.41E-04	1.74E-04	2.03E-02	3.67E-05	1.26E-04	2.07E-02
5870	488892.24	3860680.92	0.04006	0.68603	0.0058	0.03996	1.49E-04	2.05E-02	3.68E-05	1.26E-04	2.08E-02	1.36E-04	2.07E-08	4.91E-07	3.44E-06	1.40E-04	1.73E-04	2.05E-02	3.68E-05	1.26E-04	2.08E-02
5871	488792.36	3860682.31	0.03969	0.67914	0.0059	0.03876	1.48E-04	2.03E-02	3.75E-05	1.22E-04	2.06E-02	1.35E-04	2.05E-08	5.00E-07	3.34E-06	1.39E-04	1.71E-04	2.03E-02	3.75E-05	1.22E-04	2.06E-02
5872	488692.47	3860683.7	0.03936	0.67097	0.0061	0.03668	1.47E-04	2.00E-02	3.87E-05	1.16E-04	2.03E-02	1.34E-04	2.03E-08	5.16E-07	3.16E-06	1.37E-04	1.70E-04	2.00E-02	3.87E-05	1.16E-04	2.03E-02
5873	488592.59	3860685.1	0.03887	0.64767	0.0063	0.03477	1.45E-04	1.93E-02	4.02E-05	1.10E-04	1.96E-02	1.32E-04	1.96E-08	5.37E-07	2.99E-06	1.36E-04	1.68E-04	1.93E-02	4.02E-05	1.10E-04	1.96E-02
5874	488492.71	3860686.49	0.0387	0.63938	0.0067	0.03504	1.44E-04	1.91E-02	4.29E-05	1.11E-04	1.94E-02	1.31E-04	1.93E-08	5.72E-07	3.02E-06	1.35E-04	1.67E-04	1.91E-02	4.29E-05	1.11E-04	1.94E-02
5875	488299.07	3860762.18	0.03773	0.44734	0.0078	0.02803	1.41E-04	1.33E-02	5.00E-05	8.85E-05	1.36E-02	1.28E-04	1.35E-08	6.67E-07	2.41E-06	1.31E-04	1.63E-04	1.33E-02	5.00E-05	8.85E-05	1.36E-02
5876	488205.32	3860764.09	0.0374	0.42437	0.0083	0.02656	1.40E-04	1.27E-02	5.26E-05	8.39E-05	1.29E-02	1.27E-04	1.28E-08	7.02E-07	2.29E-06	1.30E-04	1.61E-04	1.27E-02	5.26E-05	8.39E-05	1.30E-02
5877	488111.56	3860766	0.03704	0.39463	0.0084	0.02482	1.38E-04	1.18E-02	5.37E-05	7.84E-05	1.20E-02	1.26E-04	1.19E-08	7.16E-07	2.14E-06	1.29E-04	1.60E-04	1.18E-02	5.37E-05	7.84E-05	1.21E-02
5878	488017.81	3860767.91	0.03673	0.36333	0.0084	0.02372	1.37E-04	1.08E-02	5.33E-05	7.49E-05	1.11E-02	1.25E-04	1.10E-08	7.10E-07	2.04E-06	1.27E-04	1.58E-04	1.08E-02	5.33E-05	7.49E-05	1.11E-02
5879	487924.06	3860769.81	0.03653	0.33615	0.0081	0.02252	1.36E-04	1.00E-02	5.19E-05	7.11E-05	1.03E-02	1.24E-04	1.02E-08	6.92E-07	1.94E-06	1.27E-04	1.58E-04	1.00E-02	5.19E-05	7.11E-05	1.03E-02
5880	487830.31	3860771.72	0.0364	0.31309	0.0078	0.02145	1.36E-04	9.34E-03	5.00E-05	6.77E-05	9.59E-03	1.24E-04	9.45E-09	6.67E-07	1.85E-06	1.26E-04	1.57E-04	9.34E-03	5.00E-05	6.77E-05	9.62E-03
5881	487736.55	3860773.63	0.03629	0.29417	0.0075	0.02014	1.35E-04	8.78E-03	4.79E-05	6.36E-05	9.02E-03	1.23E-04	8.88E-09	6.39E-07	1.73E-06	1.26E-04	1.57E-04	8.78E-03	4.79E-05	6.36E-05	9.04E-03
5882	487642.8	3860775.54	0.03627	0.27816	0.0072	0.01884	1.35E-04	8.30E-03	4.57E-05	5.95E-05	8.54E-03	1.23E-04	8.40E-09	6.09E-07	1.62E-06	1.25E-04	1.57E-04	8.30E-03	4.57E-05	5.95E-05	8.56E-03
5883	487549.48	3860684.71	0.03753	0.30405	0.0069	0.01966	1.40E-04	9.07E-03	4.41E-05	6.21E-05	9.32E-03	1.27E-04	9.18E-09	5.88E-07	1.69E-06	1.30E-04	1.62E-04	9.07E-03	4.41E-05	6.21E-05	9.34E-03
5884	487549.91	3860591.97	0.03871	0.35462	0.007	0.02141	1.44E-04	1.06E-02	4.46E-05	6.76E-05	1.08E-02	1.31E-04	1.07E-08	5.94E-07	1.84E-06	1.34E-04	1.67E-04	1.06E-02	4.46E-05	6.76E-05	1.09E-02
5885	487550.34	3860499.23	0.04015	0.4138	0.0071	0.02386	1.50E-04	1.23E-02	4.54E-05	7.53E-05	1.26E-02	1.36E-04	1.25E-08	6.05E-07	2.05E-06	1.39E-04	1.73E-04	1.23E-02	4.54E-05	7.53E-05	1.26E-02
5886	487550.76	3860406.49	0.04176	0.46316	0.0072	0.0277	1.56E-04	1.38E-02	4.62E-05	8.75E-05	1.41E-02	1.42E-04	1.40E-08	6.16E-07	2.39E-06	1.45E-04	1.80E-04	1.38E-02	4.62E-05	8.75E-05	1.41E-02
5887	487551.19	3860313.75	0.04335	0.49738	0.0074	0.03196	1.62E-04	1.48E-02	4.69E-05	1.01E-04	1.51E-02	1.47E-04	1.50E-08	6.25E-07	2.75E-06	1.51E-04	1.87E-04	1.48E-02	4.69E-05	1.01E-04	1.52E-02
5888	487551.62	3860221.01	0.04511	0.52817	0.0075	0.03537	1.68E-04	1.58E-02	4.76E-05	1.12E-04	1.61E-02	1.53E-04	1.59E-08	6.35E-07	3.05E-06	1.57E-04	1.95E-04	1.58E-02	4.76E-05	1.12E-04	1.61E-02
5889	487552.05	3860128.27	0.04725	0.56644	0.0076	0.03847	1.76E-04	1.69E-02	4.87E-05	1.21E-04	1.72E-02	1.60E-04	1.71E-08	6.50E-07	3.31E-06	1.64E-04	2.04E-04	1.69E-02	4.87E-05	1.21E-04	1.73E-02
5890	487552.48	3860035.53	0.04945	0.60087	0.0078	0.0421	1.85E-04	1.79E-02	4.99E-05	1.33E-04	1.83E-02	1.68E-04	1.81E-08	6.65E-07	3.63E-06	1.72E-04	2.13E-04	1.79E-02	4.99E-05	1.33E-04	1.83E-02
5891	487552.91	3859942.79	0.05141	0.62397	0.008	0.0462	1.92E-04	1.86E-02	5.10E-05	1.46E-04	1.90E-02	1.75E-04	1.88E-08	6.80E-07	3.98E-06	1.79E-04	2.22E-04	1.86E-02	5.10E-05	1.46E-04	1.90E-02
5892	487553.33	3859850.05	0.05398	0.67073	0.0082	0.05134	2.01E-04	2.00E-02	5.26E-05	1.62E-04	2.04E-02	1.83E-04	2.03E-08	7.01E-07	4.42E-06	1.88E-04	2.33E-04	2.00E-02	5.26E-05	1.62E-04	2.05E-02
5893	487553.76	3859757.31	0.05643	0.72572	0.0085	0.05694	2.11E-04	2.17E-02	5.43E-05	1.80E-04	2.21E-02	1.92E-04	2.19E-08	7.25E-07	4.90E-06	1.97E-04	2.44E-04	2.17E-02	5.43E-05	1.80E-04	2.21E-02
5894	487554.19	3859664.57	0.05906	0.82143	0.0089	0.06232	2.20E-04	2.45E-02	5.64E-05	1.97E-04	2.50E-02	2.01E-04	2.48E-08	7.53E-07	5.37E-06	2.07E-04	2.55E-04	2.45E-02	5.64E-05	1.97E-04	2.50E-02
5895	487460.2	3859571.05	0.0615	0.94323	0.0091	0.05789	2.29E-04	2.81E-02	5.81E-05	1.83E-04	2.86E-02	2.09E-04	2.85E-08	7.75E-07	4.98E-06	2.15E-04	2.65E-04	2.81E-02	5.81E-05	1.83E-04	2.86E-02
5896	487365.78	3859570.27	0.06114	0.87242	0.0092	0.0517	2.28E-04	2.60E-02	5.86E-05	1.63E-04	2.65E-02	2.08E-04	2.63E-08	7.81E-07	4.45E-06	2.13E-04	2.64E-04	2.60E-02	5.86E-05	1.63E-04	2.65E-02
5897	487271.36	3859569.48	0.06062	0.8101	0.0094	0.04752	2.26E-04	2.42E-02	6.00E-05	1.50E-04	2.46E-02	2.06E-04	2.45E-08	7.99E-07	4.09E-06	2.11E-04	2.62E-04	2.42E-02	6.00E-05	1.50E-04	2.46E-02
5898	487176.94	3859568.7	0.06006	0.7465	0.0096	0.04363	2.24E-04	2.23E-02	6.11E-05	1.38E-04	2.27E-02	2.04E-04	2.25E-08	8.15E-07	3.76E-06	2.08E-04	2.59E-04	2.23E-02	6.11E-05	1.38E-04	2.27E-02
5899	487082.51	3859567.92	0.05969	0.68482	0.0097	0.04067	2.23E-04	2.04E-02	6.20E-05	1.28E-04	2.08E-02	2.03E-04	2.07E-08	8.27E-07	3.50E-06	2.07E-04	2.58E-04	2.04E-02	6.20E-05	1.28E-04	2.09E-02
5900	486988.09	3859567.14	0.0595	0.62245	0.01	0.03809	2.22E-04	1.86E-02	6.35E-05	1.20E-04	1.90E-02	2.02E-04	1.88E-08	8.47E-07	3.28E-06	2.06E-04	2.57E-04	1.86E-02	6.35E-05	1.20E-04	1.90E-02
5901	486893.67	3859566.36	0.05955	0.56361	0.0104	0.0353	2.22E-04	1.68E-02	6.63E-05	1.11E-04	1.72E-02	2.02E-04	1.70E-08	8.84E-07	3.04E-06	2.06E-04	2.57E-04	1.68E-02	6.63E-05	1.11E-04	1.72E-02
5902	486799.25	3859565.58	0.05971	0.50952	0.0109	0.03215	2.23E-04	1.52E-02	6.97E-05	1.02E-04	1.56E-02	2.03E-04	1.54E-08	9.29E-07	2.77E-06	2.06E-04	2.58E-04	1.52E-02	6.97E-05	1.02E-04	1.56E-02
5903	486704.83	3859564.79	0.05996	0.4617	0.0114	0.02976	2.24E-04	1.38E-02	7.30E-05	9.40E-05	1.42E-02	2.04E-04	1.39E-08	9.73E-07	2.56E-06	2.07E-04	2.59E-04	1.38E-02	7.30E-05	9.40E-05	1.42E-02
5904	486610.41	3859564.01	0.06026	0.41971	0.0119	0.02758	2.25E-04	1.25E-02	7.58E-05	8.71E-05	1.29E-02	2.05E-04	1.27E-08	1.01E-06	2.37E-06	2.08E-04	2.60E-04	1.25E-02	7.58E-05	8.71E-05	1.29E-02
5905	486515.99	3859563.23	0.06042	0.38204	0.0122	0.02552	2.25E-04	1.14E-02	7.80E-05	8.06E-05	1.18E-02	2.05E-04	1.15E-08	1.04E-06	2.20E-06	2.08E-04	2.61E-04	1.14E-02	7.80E-05	8.06E-05	1.18E-02
5906	486421.57	3859562.45	0.06078	0.35088	0.0126	0.02376	2.27E-04	1.05E-02	8.03E-05	7.50E-05	1.09E-02	2.06E-04	1.06E-08	1.07E-06	2.05E-06	2.09E-04	2.62E-04	1.05E-02	8.03E-05	7.50E-05	1.09E-02
5907	486327.14	3859561.67	0.06129	0.32502	0.013	0.02222	2.29E-04	9.70E-03	8.29E-05	7.02E-05	1.01E-02	2.08E-04	9.82E-09	1.10E-06	1.91E-06	2.11E-04	2.64E-04	9.70E-03	8.29E-05	7.02E-05	1.01E-02
5908	486232.72	3859560.89	0.0615	0.3015	0.0134	0.02082	2.29E-04	8.99E-03	8.54E-05	6.57E-05	9.38E-03	2.09E-04	9.10E-09	1.14E-06	1.79E-06	2.12E-04	2.65E-04	8.99E-03	8.54E-05	6.57E-05	9.41E-03
5909	486138.3	3859560.1	0.06164	0.28074	0.0138	0.01958	2.30E-04	8.38E-03	8.80E-05	6.18E-05	8.76E-03	2.09E-04	8.48E-09	1.17E-06	1.69E-06	2.12E-04	2.66E-04	8.38E-03	8.80E-05	6.18E-05	8.79E-03
5910	486043.88	3859559.32	0.0616	0.26173	0.0142	0.01849	2.30E-04	7.81E-03	9.03E-05	5.84E-05	8.19E-03	2.09E-04	7.90E-09	1.20E-06	1.59E-06	2.12E-04	2.66E-04	7.81E-03	9.03E-05	5.84E-05	8.22E-03
5911	485949.35	3859463.54	0.06464	0.26263	0.0152	0.01838	2.41E-04	7.84E-03	9.71E-05	5.80E-05	8.23E-03	2.19E-04	7.93E-09	1.30E-06	1.58E-06	2.22E-04	2.79E-04	7.84E-03	9.71E-05	5.80E-05	8.27E-03
5912	485949.24	3859368.55	0.06808	0.28321	0.016	0.0193	2.54E-04	8.45E-03	1.02E-04	6.09E-05	8.87E-03	2.31E-04	8.55E-09	1.36E-06	1.66E-06	2.34E-04	2.94E-04	8.45E-03	1.02E-04	6.09E-05	8.91E-03
5913	485949.12	3859273.55	0.0719	0.30658	0.0167	0.02031	2.68E-04	9.15E-03	1.06E-04	6.41E-05	9.59E-03	2.44E-04	9.26E-09	1.42E-06	1.75E-06	2.47E-04	3.10E-04	9.15E-03	1.06E-04	6.41E-05	9.63E-03

5914	485949.01	3859178.56	0.07602	0.33216	0.0173	0.02133	2.84E-04	9.91E-03	1.10E-04	6.73E-05	1.04E-02	2.58E-04	1.00E-08	1.47E-06	1.84E-06	2.61E-04	3.28E-04	9.91E-03	1.10E-04	6.73E-05	1.04E-02
5915	485948.9	3859083.56	0.08074	0.35955	0.0179	0.02249	3.01E-04	1.07E-02	1.14E-04	7.10E-05	1.12E-02	2.74E-04	1.09E-08	1.52E-06	1.94E-06	2.78E-04	3.48E-04	1.07E-02	1.14E-04	7.10E-05	1.13E-02
5916	485948.79	3858988.56	0.08563	0.38415	0.0184	0.02372	3.20E-04	1.15E-02	1.17E-04	7.49E-05	1.20E-02	2.91E-04	1.16E-08	1.57E-06	2.04E-06	2.94E-04	3.70E-04	1.15E-02	1.17E-04	7.49E-05	1.20E-02
5917	485948.67	3858893.57	0.0909	0.40324	0.0189	0.02475	3.39E-04	1.20E-02	1.21E-04	7.81E-05	1.26E-02	3.09E-04	1.22E-08	1.61E-06	2.13E-06	3.12E-04	3.92E-04	1.20E-02	1.21E-04	7.81E-05	1.26E-02
5918	485948.56	3858798.57	0.09714	0.41493	0.0194	0.02538	3.62E-04	1.24E-02	1.24E-04	8.01E-05	1.29E-02	3.30E-04	1.25E-08	1.65E-06	2.19E-06	3.34E-04	4.19E-04	1.24E-02	1.24E-04	8.01E-05	1.30E-02
5919	485948.45	3858703.58	0.10306	0.42215	0.0196	0.02566	3.85E-04	1.26E-02	1.25E-04	8.10E-05	1.32E-02	3.50E-04	1.27E-08	1.67E-06	2.21E-06	3.54E-04	4.45E-04	1.26E-02	1.25E-04	8.10E-05	1.32E-02
5920	485948.34	3858608.58	0.1103	0.42974	0.0195	0.026	4.12E-04	1.28E-02	1.25E-04	8.21E-05	1.34E-02	3.74E-04	1.30E-08	1.66E-06	2.24E-06	3.78E-04	4.76E-04	1.28E-02	1.25E-04	8.21E-05	1.35E-02
5921	485948.22	3858513.59	0.11826	0.43869	0.0192	0.02647	4.41E-04	1.31E-02	1.22E-04	8.36E-05	1.37E-02	4.01E-04	1.32E-08	1.63E-06	2.28E-06	4.05E-04	5.10E-04	1.31E-02	1.22E-04	8.36E-05	1.38E-02
5922	485948.11	3858418.59	0.12688	0.45105	0.0189	0.02662	4.73E-04	1.35E-02	1.20E-04	8.40E-05	1.41E-02	4.31E-04	1.36E-08	1.60E-06	2.29E-06	4.35E-04	5.48E-04	1.35E-02	1.20E-04	8.40E-05	1.42E-02
5923	485948	3858323.59	0.13716	0.46627	0.019	0.02657	5.12E-04	1.39E-02	1.21E-04	8.39E-05	1.46E-02	4.66E-04	1.41E-08	1.62E-06	2.29E-06	4.70E-04	5.92E-04	1.39E-02	1.21E-04	8.39E-05	1.47E-02
5924	485947.89	3858228.6	0.1479	0.48269	0.0196	0.02667	5.52E-04	1.44E-02	1.25E-04	8.42E-05	1.52E-02	5.02E-04	1.46E-08	1.67E-06	2.30E-06	5.06E-04	6.38E-04	1.44E-02	1.25E-04	8.42E-05	1.52E-02
5925	485947.77	3858133.6	0.15979	0.49876	0.0202	0.02641	5.96E-04	1.49E-02	1.29E-04	8.34E-05	1.57E-02	5.42E-04	1.51E-08	1.72E-06	2.27E-06	5.47E-04	6.90E-04	1.49E-02	1.29E-04	8.34E-05	1.58E-02
5926	485947.66	3858038.61	0.17531	0.51826	0.0207	0.02546	6.54E-04	1.55E-02	1.32E-04	8.04E-05	1.63E-02	5.95E-04	1.57E-08	1.76E-06	2.19E-06	5.99E-04	7.56E-04	1.55E-02	1.32E-04	8.04E-05	1.64E-02
5927	485854.54	3857943.35	0.18657	0.50361	0.0199	0.02278	6.96E-04	1.50E-02	1.27E-04	7.19E-05	1.59E-02	6.33E-04	1.52E-08	1.69E-06	1.96E-06	6.37E-04	8.05E-04	1.50E-02	1.27E-04	7.19E-05	1.60E-02
5928	485761.52	3857943.09	0.18254	0.45759	0.0191	0.02176	6.81E-04	1.37E-02	1.22E-04	6.87E-05	1.45E-02	6.20E-04	1.38E-08	1.62E-06	1.87E-06	6.23E-04	7.88E-04	1.37E-02	1.22E-04	6.87E-05	1.46E-02
5929	485668.51	3857942.83	0.1792	0.42188	0.0184	0.02087	6.69E-04	1.26E-02	1.17E-04	6.59E-05	1.34E-02	6.08E-04	1.27E-08	1.56E-06	1.80E-06	6.12E-04	7.73E-04	1.26E-02	1.17E-04	6.59E-05	1.35E-02
5930	485575.5	3857942.56	0.17503	0.39391	0.0177	0.02002	6.53E-04	1.18E-02	1.13E-04	6.32E-05	1.26E-02	5.94E-04	1.19E-08	1.51E-06	1.72E-06	5.97E-04	7.55E-04	1.18E-02	1.13E-04	6.32E-05	1.27E-02
5931	485482.48	3857942.3	0.17184	0.37009	0.0171	0.01923	6.41E-04	1.10E-02	1.09E-04	6.07E-05	1.19E-02	5.83E-04	1.12E-08	1.46E-06	1.66E-06	5.87E-04	7.42E-04	1.10E-02	1.09E-04	6.07E-05	1.20E-02
5932	485389.47	3857942.04	0.16863	0.34971	0.0166	0.01848	6.29E-04	1.04E-02	1.06E-04	5.83E-05	1.12E-02	5.73E-04	1.06E-08	1.41E-06	1.59E-06	5.76E-04	7.28E-04	1.04E-02	1.06E-04	5.83E-05	1.13E-02
5933	485296.46	3857941.78	0.16553	0.33189	0.0161	0.01782	6.18E-04	9.90E-03	1.03E-04	5.63E-05	1.07E-02	5.62E-04	1.00E-08	1.37E-06	1.53E-06	5.65E-04	7.14E-04	9.90E-03	1.03E-04	5.63E-05	1.08E-02
5934	485203.45	3857941.52	0.16313	0.3158	0.0156	0.01725	6.09E-04	9.42E-03	9.96E-05	5.45E-05	1.02E-02	5.54E-04	9.54E-09	1.33E-06	1.49E-06	5.57E-04	7.04E-04	9.42E-03	9.96E-05	5.45E-05	1.03E-02
5935	485110.43	3857941.26	0.1599	0.30201	0.0152	0.01674	5.97E-04	9.01E-03	9.67E-05	5.29E-05	9.76E-03	5.43E-04	9.12E-09	1.29E-06	1.44E-06	5.46E-04	6.90E-04	9.01E-03	9.67E-05	5.29E-05	9.85E-03
5936	485017.42	3857940.99	0.15639	0.28962	0.0147	0.01629	5.84E-04	8.64E-03	9.39E-05	5.14E-05	9.37E-03	5.31E-04	8.75E-09	1.25E-06	1.40E-06	5.34E-04	6.75E-04	8.64E-03	9.39E-05	5.14E-05	9.46E-03
5937	484924.41	3857940.73	0.15297	0.27792	0.0143	0.01596	5.71E-04	8.29E-03	9.13E-05	5.04E-05	9.00E-03	5.19E-04	8.39E-09	1.22E-06	1.37E-06	5.22E-04	6.60E-04	8.29E-03	9.13E-05	5.04E-05	9.09E-03
5938	484831.39	3857940.47	0.14993	0.2665	0.0139	0.01584	5.59E-04	7.95E-03	8.89E-05	5.00E-05	8.65E-03	5.09E-04	8.05E-09	1.18E-06	1.36E-06	5.12E-04	6.47E-04	7.95E-03	8.89E-05	5.00E-05	8.74E-03
5939	484738.12	3857859.3	0.1545	0.27838	0.0134	0.01622	5.77E-04	8.31E-03	8.57E-05	5.12E-05	9.02E-03	5.25E-04	8.41E-09	1.14E-06	1.40E-06	5.27E-04	6.67E-04	8.31E-03	8.57E-05	5.12E-05	9.11E-03
5940	484737.85	3857778.4	0.1631	0.30713	0.0134	0.01683	6.09E-04	9.16E-03	8.53E-05	5.31E-05	9.91E-03	5.54E-04	9.27E-09	1.14E-06	1.45E-06	5.56E-04	7.04E-04	9.16E-03	8.53E-05	5.31E-05	1.00E-02
5941	484737.59	3857697.49	0.17173	0.34475	0.0134	0.01759	6.41E-04	1.03E-02	8.53E-05	5.55E-05	1.11E-02	5.83E-04	1.04E-08	1.14E-06	1.51E-06	5.86E-04	7.41E-04	1.03E-02	8.53E-05	5.55E-05	1.12E-02
5942	484737.32	3857616.59	0.18033	0.39656	0.0135	0.01851	6.73E-04	1.18E-02	8.59E-05	5.84E-05	1.26E-02	6.12E-04	1.20E-08	1.15E-06	1.59E-06	6.15E-04	7.78E-04	1.18E-02	8.59E-05	5.84E-05	1.28E-02
5943	484645.53	3857535.18	0.18406	0.43811	0.0133	0.01937	6.87E-04	1.31E-02	8.49E-05	6.12E-05	1.39E-02	6.25E-04	1.32E-08	1.13E-06	1.67E-06	6.28E-04	7.94E-04	1.31E-02	8.49E-05	6.12E-05	1.40E-02
5944	484553.99	3857534.67	0.17791	0.41076	0.0129	0.01888	6.64E-04	1.23E-02	8.25E-05	5.96E-05	1.31E-02	6.04E-04	1.24E-08	1.10E-06	1.63E-06	6.07E-04	7.68E-04	1.23E-02	8.25E-05	5.96E-05	1.32E-02
5945	484462.46	3857534.17	0.17249	0.38659	0.0126	0.01857	6.44E-04	1.15E-02	8.04E-05	5.86E-05	1.23E-02	5.86E-04	1.17E-08	1.07E-06	1.60E-06	5.88E-04	7.44E-04	1.15E-02	8.04E-05	5.86E-05	1.24E-02
5946	484370.93	3857533.66	0.16698	0.36515	0.0123	0.018	6.23E-04	1.09E-02	7.83E-05	5.68E-05	1.17E-02	5.67E-04	1.10E-08	1.04E-06	1.55E-06	5.70E-04	7.21E-04	1.09E-02	7.83E-05	5.68E-05	1.17E-02
5947	484279.4	3857533.16	0.16178	0.34477	0.012	0.01761	6.04E-04	1.03E-02	7.64E-05	5.56E-05	1.10E-02	5.49E-04	1.04E-08	1.02E-06	1.52E-06	5.52E-04	6.98E-04	1.03E-02	7.64E-05	5.56E-05	1.11E-02
5948	484187.86	3857532.65	0.15644	0.32625	0.0117	0.01792	5.84E-04	9.73E-03	7.45E-05	5.66E-05	1.04E-02	5.31E-04	9.85E-09	9.93E-07	1.54E-06	5.34E-04	6.75E-04	9.73E-03	7.45E-05	5.66E-05	1.05E-02
5949	484096.33	3857532.15	0.15159	0.30561	0.0114	0.01829	5.66E-04	9.12E-03	7.28E-05	5.77E-05	9.81E-03	5.15E-04	9.23E-09	9.70E-07	1.57E-06	5.17E-04	6.54E-04	9.12E-03	7.28E-05	5.77E-05	9.90E-03
5950	484004.8	3857531.64	0.14628	0.29059	0.0111	0.01808	5.46E-04	8.67E-03	7.11E-05	5.71E-05	9.34E-03	4.97E-04	8.78E-09	9.47E-07	1.56E-06	4.99E-04	6.31E-04	8.67E-03	7.11E-05	5.71E-05	9.43E-03
5951	483913.27	3857531.14	0.14069	0.27901	0.0109	0.01796	5.25E-04	8.32E-03	6.93E-05	5.67E-05	8.97E-03	4.78E-04	8.43E-09	9.24E-07	1.55E-06	4.80E-04	6.07E-04	8.32E-03	6.93E-05	5.67E-05	9.06E-03
5952	483821.73	3857530.63	0.13595	0.26448	0.0106	0.01843	5.07E-04	7.89E-03	6.77E-05	5.82E-05	8.52E-03	4.62E-04	7.99E-09	9.03E-07	1.59E-06	4.64E-04	5.87E-04	7.89E-03	6.77E-05	5.82E-05	8.60E-03
5953	483729.61	3857450.11	0.13619	0.27732	0.0105	0.01995	5.08E-04	8.27E-03	6.72E-05	6.30E-05	8.91E-03	4.62E-04	8.37E-09	8.96E-07	1.72E-06	4.65E-04	5.88E-04	8.27E-03	6.72E-05	6.30E-05	8.99E-03
5954	483729.03	3857370.08	0.14172	0.30503	0.0108	0.02114	5.29E-04	9.10E-03	6.87E-05	6.67E-05	9.76E-03	4.81E-04	9.21E-09	9.16E-07	1.82E-06	4.84E-04	6.12E-04	9.10E-03	6.87E-05	6.67E-05	9.85E-03
5955	483728.44	3857290.06	0.14664	0.3439	0.011	0.02233	5.47E-04	1.03E-02	7.04E-05	7.05E-05	1.09E-02	4.98E-04	1.04E-08	9.38E-07	1.92E-06	5.01E-04	6.33E-04	1.03E-02	7.04E-05	7.05E-05	1.10E-02
5956	483727.86	3857210.03	0.15144	0.39576	0.0113	0.02379	5.65E-04	1.18E-02	7.21E-05	7.51E-05	1.25E-02	5.14E-04	1.20E-08	9.61E-07	2.05E-06	5.17E-04	6.53E-04	1.18E-02	7.21E-05	7.51E-05	1.26E-02
5957	483641.15	3857129.07	0.15093	0.40569	0.0113	0.0248	5.63E-04	1.21E-02	7.23E-05	7.83E-05	1.28E-02	5.12E-04	1.23E-08	9.64E-07	2.14E-06	5.16E-04	6.51E-04	1.21E-02	7.23E-05	7.83E-05	1.29E-02
5958	483555.03	3857128.14	0.14513	0.36217	0.0111	0.02416	5.42E-04	1.08E-02	7.07E-05	7.63E-05	1.15E-02	4.93E-04	1.09E-08	9.43E-07	2.08E-06	4.96E-04	6.26E-04	1.08E-02	7.07E-05	7.63E-05	1.16E-02
5959	483468.91	3857127.2	0.13859	0.33204	0.0108	0.02321	5.17E-04	9.91E-03	6.91E-05	7.33E-05	1.06E-02	4.71E-04	1.00E-08	9.22E-07	2.00E-06	4.73E-04	5.98E-04	9.91E-03	6.91E-05	7.33E-05	1.06E-02
5960	483382.78	3857126.26	0.13385	0.29982	0.0106	0.02249	4.99E-04	8.94E-03	6.78E-05	7.10E-05	9.58E-03	4.54E-04	9.05E-09	9.04E-07	1.94E-06	4.57E-04	5.78E-04	8.94E-03	6.78E-05	7.10E-05	9.66E-03
5961	483296.66	3857125.32	0.12874	0.27492	0.0104	0.02198	4.80E-04	8.20E-03	6.64E-05	6.94E-05	8.82E-03	4.37E-04	8.30E-09	8.85E-07	1.89E-06	4.40E-04	5.56E-04	8.20E-03	6.64E-05	6.94E-05	8.89E-03
5962	483210.54	3857124.39	0.12368	0.25386	0.0102	0.0204	4.62E-04	7.57E-03	6.50E-05	6.44E-05	8.16E-03	4.20E-04	7.67E-09	8.67E-07	1.76E-06	4.23E-04	5.34E-04	7.57E-03	6.50E-05	6.44E-05	8.24E-03
5963	483123.4	3857030.96	0.12261	0.25268	0.0103	0.01938	4.58E-04	7.54E-03	6.55E-05	6.12E-05	8.12E-03	4.16E-04	7.63E-09	8.73E-07	1.67E-06	4.19E-04	5.29E-04	7.54E-03	6.55E-05	6.12E-05	8.19E-03
5964	483122.38	3856938.46	0.12669	0.27014	0.0105	0.02011	4.73E-04	8.06E-03	6.72E-05	6.35E-05	8.66E-03	4.30E-04	8.16E-09	8.96E-07	1.73E-06	4.33E-04	5.47E-04	8.06E-03	6.72E-05	6.35E-05	8.74E-03
5965	483121.35	3856845.97	0.13081	0.28659	0.0107	0.02116	4.88E-04	8.55E-03	6.83E-05	6.68E-05	9.17E-03	4.44E-04	8.65E-09	9.11E-07	1.82E-06	4.47E-04	5.64E-04	8.55E-03	6.83E-05	6.68E-05	9.25E-03
5966	483120.33	3856753.47	0.13382	0.30873	0.0108	0.02297	4.99E-04	9.21E-03	6.88E-05	7.25E-05	9.85E-03	4.54E-04	9.32E-09	9.17E-07	1.98E-06	4.57E-04	5.77E-04	9.21E-03	6.88E-05	7.25E-05	9.93E-03
5967	483119.31	3856660.98	0.13692	0.32961	0.0108	0.02543	5.11E-04	9.83E-03	6.86E-05	8.03E-05	1.05E-02	4.65E-04	9.95E-09	9.14E-07	2.19E-06	4.68E-04	5.91E-04	9.83E-03	6.86E-05	8.03E-05	1.06E-02
5968	483118.29	3856568.49	0.14068	0.34474	0.0107	0.02841	5.25E-04	1.03E-02	6.80E-05	8.97E-05	1.10E-02	4.78E-04	1.04E-08	9.07E-07	2.45E-06	4.81E-04	6.07E-04	1.03E-02	6.80E-05	8.97E-05	1.10E-02
5969	483117.26	3856475.99	0.14485	0.35497	0.0105	0.03197	5.41E-04	1.06E-02	6.71E-05	1.01E-04	1.13E-02	4.92E-04	1.07E-08	8.95E-07	2.75E-06	4.95E-04	6.25E-04	1.06E-02	6.71E-05	1.01E-04	1.14E-02
5970	483116.24	3856383.5	0.14857	0.36822	0.0103	0.03698	5.54E-04	1.10E-02	6.59E-05	1.17E-04	1.17E-02	5.04E-04	1.11E-08	8.79E-07	3.18E-06	5.08E-04	6.41E-04	1.10E-02	6.59E-05	1.17E-04	1.18E-02
5971	483115.22	3856291.01	0.15228	0.3809	0.0101	0.04372	5.68E-04	1.14E-02	6.44E-05	1.38E-04	1.21E-02	5.17E-04	1.15E-08	8.59E-07	3.76E-06	5.22E-04	6.57E-04	1.14E-02	6.44E-05	1.38E-04	1.22E-02
5972	483114.2	3856198.51	0.15515	0.40157	0.0098	0.04983	5.79E-04	1.20E-02	6.24E-05	1.57E-04	1.28E-02	5.27E-04	1.21E-08	8.33E-07	4.29E-06	5.32E-04	6.69E-04	1.20E-02	6.24E-05	1.57E-04	1.29E-02
5973	483113.17	3856106.02	0.15918	0.40767	0.0095	0.05255	5.94E-04	1.22E-02	6.03E-05	1.66E-04	1.30E-02	5.40E-04	1.23E-08	8.05E-07	4.53E-06	5.46E-04	6.87E-04	1.22E-02	6.03E-05	1.66E-04	1.31E-02
5974	483112.15	3856013.52	0.16129	0.43498	0.009	0.05138	6.02E-04	1.30E-02	5.74E-05	1.62E-04	1.38E-02	5.48E-04	1.31E-08	7.65E-07	4.42E-06	5.53E-04	6.96E-04	1.30E-02	5.74E-05	1.62E-04	1.39E-02

5975	483029.25	3855920.47	0.15446	0.3948	0.0086	0.04176	5.76E-04	1.18E-02	5.49E-05	1.32E-04	1.25E-02	5.24E-04	1.19E-08	7.31E-07	3.60E-06	5.29E-04	6.67E-04	1.18E-02	5.49E-05	1.32E-04	1.26E-02
5976	482947.37	3855919.91	0.14665	0.34437	0.0087	0.03752	5.47E-04	1.03E-02	5.54E-05	1.18E-04	1.10E-02	4.98E-04	1.04E-08	7.39E-07	3.23E-06	5.02E-04	6.33E-04	1.03E-02	5.54E-05	1.18E-04	1.11E-02
5977	482865.49	3855919.36	0.13918	0.30943	0.0088	0.03395	5.19E-04	9.23E-03	5.58E-05	1.07E-04	9.91E-03	4.73E-04	9.34E-09	7.44E-07	2.92E-06	4.76E-04	6.01E-04	9.23E-03	5.58E-05	1.07E-04	9.99E-03
5978	482783.61	3855918.8	0.13296	0.27503	0.0088	0.03101	4.96E-04	8.21E-03	5.63E-05	9.79E-05	8.86E-03	4.51E-04	8.31E-09	7.51E-07	2.67E-06	4.55E-04	5.74E-04	8.21E-03	5.63E-05	9.79E-05	8.93E-03
5979	482700.33	3855818.39	0.12652	0.26493	0.0084	0.02823	4.72E-04	7.90E-03	5.37E-05	8.91E-05	8.52E-03	4.30E-04	8.00E-09	7.16E-07	2.43E-06	4.33E-04	5.46E-04	7.90E-03	5.37E-05	8.91E-05	8.59E-03
5980	482698.92	3855718.54	0.12652	0.28248	0.0079	0.02695	4.72E-04	8.43E-03	5.05E-05	8.51E-05	9.03E-03	4.30E-04	8.53E-09	6.73E-07	2.32E-06	4.33E-04	5.46E-04	8.43E-03	5.05E-05	8.51E-05	9.11E-03
5981	482697.52	3855618.68	0.12582	0.30667	0.0073	0.02549	4.69E-04	9.15E-03	4.66E-05	8.05E-05	9.75E-03	4.27E-04	9.26E-09	6.22E-07	2.19E-06	4.30E-04	5.43E-04	9.15E-03	4.66E-05	8.05E-05	9.82E-03
5982	482696.11	3855518.83	0.12566	0.29771	0.0067	0.02424	4.69E-04	8.88E-03	4.28E-05	7.65E-05	9.47E-03	4.27E-04	8.99E-09	5.71E-07	2.09E-06	4.29E-04	5.42E-04	8.88E-03	4.28E-05	7.65E-05	9.54E-03
5983	482694.71	3855418.98	0.12388	0.29089	0.0061	0.02335	4.62E-04	8.68E-03	3.90E-05	7.37E-05	9.25E-03	4.21E-04	8.78E-09	5.20E-07	2.01E-06	4.23E-04	5.35E-04	8.68E-03	3.90E-05	7.37E-05	9.33E-03
5984	482693.3	3855319.13	0.12145	0.2736	0.0056	0.02342	4.53E-04	8.16E-03	3.57E-05	7.39E-05	8.73E-03	4.12E-04	8.26E-09	4.76E-07	2.02E-06	4.15E-04	5.24E-04	8.16E-03	3.57E-05	7.39E-05	8.80E-03
5985	482691.9	3855219.27	0.11919	0.24163	0.0052	0.02671	4.45E-04	7.21E-03	3.28E-05	8.43E-05	7.77E-03	4.05E-04	7.30E-09	4.38E-07	2.30E-06	4.07E-04	5.14E-04	7.21E-03	3.28E-05	8.43E-05	7.84E-03
5986	482690.49	3855119.42	0.11596	0.22276	0.0048	0.03456	4.33E-04	6.65E-03	3.07E-05	1.09E-04	7.22E-03	3.94E-04	6.73E-09	4.10E-07	2.98E-06	3.97E-04	5.00E-04	6.65E-03	3.07E-05	1.09E-04	7.29E-03
5987	482689.09	3855019.57	0.11336	0.18208	0.0045	0.0417	4.23E-04	5.43E-03	2.89E-05	1.32E-04	6.02E-03	3.85E-04	5.50E-09	3.85E-07	3.59E-06	3.89E-04	4.89E-04	5.43E-03	2.89E-05	1.32E-04	6.08E-03
5988	482687.68	3854919.71	0.10922	0.13799	0.0044	0.04198	4.08E-04	4.12E-03	2.77E-05	1.33E-04	4.68E-03	3.71E-04	4.17E-09	3.70E-07	3.61E-06	3.75E-04	4.71E-04	4.12E-03	2.77E-05	1.33E-04	4.75E-03
5989	482686.28	3854819.86	0.10494	0.09915	0.0042	0.03658	3.92E-04	2.96E-03	2.69E-05	1.15E-04	3.49E-03	3.56E-04	2.99E-09	3.59E-07	3.15E-06	3.60E-04	4.53E-04	2.96E-03	2.69E-05	1.15E-04	3.55E-03
5990	482684.88	3854720.01	0.09899	0.0799	0.0041	0.02953	3.69E-04	2.38E-03	2.64E-05	9.32E-05	2.87E-03	3.36E-04	2.41E-09	3.52E-07	2.54E-06	3.39E-04	4.27E-04	2.38E-03	2.64E-05	9.32E-05	2.93E-03
5991	482683.47	3854620.16	0.09368	0.06529	0.0041	0.02362	3.50E-04	1.95E-03	2.59E-05	7.46E-05	2.40E-03	3.18E-04	1.97E-09	3.45E-07	2.03E-06	3.20E-04	4.04E-04	1.95E-03	2.59E-05	7.46E-05	2.45E-03
5992	482682.07	3854520.31	0.08815	0.05682	0.004	0.01954	3.29E-04	1.70E-03	2.55E-05	6.17E-05	2.11E-03	2.99E-04	1.72E-09	3.39E-07	1.68E-06	3.01E-04	3.80E-04	1.70E-03	2.55E-05	6.17E-05	2.16E-03
5993	482680.66	3854420.45	0.08343	0.05085	0.0039	0.01683	3.11E-04	1.52E-03	2.51E-05	5.31E-05	1.91E-03	2.83E-04	1.54E-09	3.34E-07	1.45E-06	2.85E-04	3.60E-04	1.52E-03	2.51E-05	5.31E-05	1.96E-03
5994	482679.26	3854320.6	0.0795	0.04633	0.0039	0.01485	2.97E-04	1.38E-03	2.47E-05	4.69E-05	1.75E-03	2.70E-04	1.40E-09	3.29E-07	1.28E-06	2.72E-04	3.43E-04	1.38E-03	2.47E-05	4.69E-05	1.80E-03
5995	482677.85	3854220.75	0.07672	0.04108	0.0038	0.01321	2.86E-04	1.23E-03	2.43E-05	4.17E-05	1.58E-03	2.60E-04	1.24E-09	3.24E-07	1.14E-06	2.62E-04	3.31E-04	1.23E-03	2.43E-05	4.17E-05	1.62E-03
5996	482676.45	3854120.9	0.07226	0.0392	0.0038	0.01194	2.70E-04	1.17E-03	2.41E-05	3.77E-05	1.50E-03	2.45E-04	1.18E-09	3.21E-07	1.03E-06	2.47E-04	3.12E-04	1.17E-03	2.41E-05	3.77E-05	1.54E-03
5997	482675.04	3854021.04	0.06757	0.03698	0.0037	0.01092	2.52E-04	1.10E-03	2.39E-05	3.45E-05	1.41E-03	2.29E-04	1.12E-09	3.18E-07	9.40E-07	2.31E-04	2.92E-04	1.10E-03	2.39E-05	3.45E-05	1.45E-03
5998	482673.64	3853921.19	0.0623	0.03498	0.0037	0.01013	2.32E-04	1.04E-03	2.37E-05	3.20E-05	1.33E-03	2.12E-04	1.06E-09	3.16E-07	8.72E-07	2.13E-04	2.69E-04	1.04E-03	2.37E-05	3.20E-05	1.37E-03
5999	482672.23	3853821.34	0.05747	0.03269	0.0037	0.00948	2.14E-04	9.75E-04	2.33E-05	2.99E-05	1.24E-03	1.95E-04	9.87E-10	3.11E-07	8.16E-07	1.96E-04	2.48E-04	9.75E-04	2.33E-05	2.99E-05	1.28E-03
6000	482670.83	3853721.48	0.05305	0.03061	0.0036	0.00894	1.98E-04	9.13E-04	2.30E-05	2.82E-05	1.16E-03	1.80E-04	9.24E-10	3.07E-07	7.70E-07	1.81E-04	2.29E-04	9.13E-04	2.30E-05	2.82E-05	1.19E-03
6001	482669.42	3853621.63	0.0495	0.02895	0.0036	0.00849	1.85E-04	8.64E-04	2.27E-05	2.68E-05	1.10E-03	1.68E-04	8.74E-10	3.03E-07	7.31E-07	1.69E-04	2.14E-04	8.64E-04	2.27E-05	2.68E-05	1.13E-03
6002	482645.99	3853446.13	0.04637	0.02626	0.0035	0.00777	1.73E-04	7.83E-04	2.21E-05	2.45E-05	1.00E-03	1.57E-04	7.93E-10	2.94E-07	6.69E-07	1.58E-04	2.00E-04	7.83E-04	2.21E-05	2.45E-05	1.03E-03
6003	482623.97	3853370.48	0.04575	0.02527	0.0034	0.00748	1.71E-04	7.54E-04	2.18E-05	2.36E-05	9.70E-04	1.55E-04	7.63E-10	2.90E-07	6.44E-07	1.56E-04	1.97E-04	7.54E-04	2.18E-05	2.36E-05	9.97E-04
6004	482601.94	3853294.84	0.04554	0.0243	0.0034	0.00721	1.70E-04	7.25E-04	2.15E-05	2.28E-05	9.39E-04	1.55E-04	7.34E-10	2.87E-07	6.21E-07	1.56E-04	1.97E-04	7.25E-04	2.15E-05	2.28E-05	9.66E-04
6005	482531.29	3853133.44	0.04492	0.02237	0.0033	0.00668	1.68E-04	6.67E-04	2.08E-05	2.11E-05	8.77E-04	1.53E-04	6.76E-10	2.77E-07	5.75E-07	1.53E-04	1.94E-04	6.67E-04	2.08E-05	2.11E-05	9.03E-04
6006	482482.68	3853047.69	0.04437	0.02133	0.0032	0.00642	1.66E-04	6.36E-04	2.05E-05	2.03E-05	8.43E-04	1.51E-04	6.44E-10	2.73E-07	5.53E-07	1.51E-04	1.91E-04	6.36E-04	2.05E-05	2.03E-05	8.69E-04
6007	482383.09	3852897.4	0.04262	0.01995	0.0031	0.00599	1.59E-04	5.95E-04	2.00E-05	1.89E-05	7.93E-04	1.45E-04	6.02E-10	2.66E-07	5.16E-07	1.45E-04	1.84E-04	5.95E-04	2.00E-05	1.89E-05	8.18E-04
6008	482265.64	3852765.26	0.04034	0.01884	0.0031	0.00562	1.51E-04	5.62E-04	1.95E-05	1.77E-05	7.50E-04	1.37E-04	5.69E-10	2.59E-07	4.84E-07	1.38E-04	1.74E-04	5.62E-04	1.95E-05	1.77E-05	7.73E-04
6009	482199.16	3852697.66	0.03913	0.01832	0.003	0.00545	1.46E-04	5.47E-04	1.93E-05	1.72E-05	7.29E-04	1.33E-04	5.53E-10	2.57E-07	4.69E-07	1.34E-04	1.69E-04	5.47E-04	1.93E-05	1.72E-05	7.52E-04
6010	482132.69	3852630.07	0.03801	0.01781	0.003	0.0053	1.42E-04	5.31E-04	1.90E-05	1.67E-05	7.09E-04	1.29E-04	5.38E-10	2.53E-07	4.56E-07	1.30E-04	1.64E-04	5.31E-04	1.90E-05	1.67E-05	7.31E-04
6011	482066.21	3852562.48	0.03692	0.01736	0.003	0.00516	1.38E-04	5.18E-04	1.88E-05	1.63E-05	6.91E-04	1.25E-04	5.24E-10	2.51E-07	4.44E-07	1.26E-04	1.59E-04	5.18E-04	1.88E-05	1.63E-05	7.12E-04
6012	481999.74	3852494.89	0.03585	0.01697	0.0029	0.00504	1.34E-04	5.06E-04	1.86E-05	1.59E-05	6.75E-04	1.22E-04	5.12E-10	2.47E-07	4.34E-07	1.22E-04	1.55E-04	5.06E-04	1.86E-05	1.59E-05	6.95E-04
6013	481933.26	3852427.29	0.03484	0.01662	0.0029	0.00492	1.30E-04	4.96E-04	1.84E-05	1.55E-05	6.60E-04	1.18E-04	5.02E-10	2.45E-07	4.24E-07	1.19E-04	1.50E-04	4.96E-04	1.84E-05	1.55E-05	6.80E-04
6014	481866.79	3852359.7	0.03393	0.01622	0.0029	0.00481	1.27E-04	4.84E-04	1.82E-05	1.52E-05	6.44E-04	1.15E-04	4.90E-10	2.42E-07	4.14E-07	1.16E-04	1.46E-04	4.84E-04	1.82E-05	1.52E-05	6.64E-04
6015	481800.31	3852292.11	0.03307	0.01585	0.0028	0.00471	1.23E-04	4.73E-04	1.80E-05	1.49E-05	6.29E-04	1.12E-04	4.79E-10	2.40E-07	4.06E-07	1.13E-04	1.43E-04	4.73E-04	1.80E-05	1.49E-05	6.48E-04
6016	481733.84	3852224.52	0.03223	0.01553	0.0028	0.00462	1.20E-04	4.63E-04	1.77E-05	1.46E-05	6.16E-04	1.09E-04	4.69E-10	2.36E-07	3.98E-07	1.10E-04	1.39E-04	4.63E-04	1.77E-05	1.46E-05	6.35E-04
6017	481667.36	3852156.92	0.03145	0.01516	0.0028	0.00454	1.17E-04	4.52E-04	1.75E-05	1.43E-05	6.02E-04	1.07E-04	4.58E-10	2.34E-07	3.91E-07	1.07E-04	1.36E-04	4.52E-04	1.75E-05	1.43E-05	6.20E-04
6018	481600.89	3852089.33	0.03062	0.01498	0.0027	0.00445	1.14E-04	4.47E-04	1.73E-05	1.41E-05	5.93E-04	1.04E-04	4.52E-10	2.31E-07	3.83E-07	1.05E-04	1.32E-04	4.47E-04	1.73E-05	1.41E-05	6.10E-04
6019	481534.41	3852021.74	0.02981	0.01484	0.0027	0.00437	1.11E-04	4.43E-04	1.72E-05	1.38E-05	5.85E-04	1.01E-04	4.48E-10	2.30E-07	3.76E-07	1.02E-04	1.29E-04	4.43E-04	1.72E-05	1.38E-05	6.02E-04
6020	481467.94	3851954.15	0.02906	0.01467	0.0027	0.00429	1.08E-04	4.38E-04	1.70E-05	1.35E-05	5.77E-04	9.87E-05	4.43E-10	2.27E-07	3.69E-07	9.93E-05	1.25E-04	4.38E-04	1.70E-05	1.35E-05	5.94E-04
6021	481401.46	3851886.55	0.02837	0.01443	0.0026	0.00421	1.06E-04	4.30E-04	1.68E-05	1.33E-05	5.66E-04	9.63E-05	4.36E-10	2.25E-07	3.63E-07	9.69E-05	1.22E-04	4.30E-04	1.68E-05	1.33E-05	5.83E-04
6022	481265.87	3851761.43	0.02694	0.01414	0.0026	0.00407	1.01E-04	4.22E-04	1.66E-05	1.29E-05	5.52E-04	9.15E-05	4.27E-10	2.21E-07	3.50E-07	9.20E-05	1.16E-04	4.22E-04	1.66E-05	1.29E-05	5.68E-04
6023	481196.74	3851703.89	0.02624	0.01397	0.0026	0.00401	9.79E-05	4.17E-04	1.64E-05	1.27E-05	5.44E-04	8.91E-05	4.22E-10	2.19E-07	3.45E-07	8.96E-05	1.13E-04	4.17E-04	1.64E-05	1.27E-05	5.59E-04
6024	481076.33	3851619.04	0.02497	0.01377	0.0025	0.00391	9.32E-05	4.11E-04	1.62E-05	1.23E-05	5.33E-04	8.48E-05	4.16E-10	2.16E-07	3.37E-07	8.53E-05	1.08E-04	4.11E-04	1.62E-05	1.23E-05	5.47E-04
6025	480939.8	3851549.07	0.02347	0.01353	0.0025	0.00382	8.76E-05	4.04E-04	1.61E-05	1.21E-05	5.19E-04	7.97E-05	4.09E-10	2.14E-07	3.29E-07	8.02E-05	1.01E-04	4.04E-04	1.61E-05	1.21E-05	5.33E-04
6026	480854.56	3851506.41	0.02255	0.01338	0.0025	0.00376	8.41E-05	3.99E-04	1.59E-05	1.19E-05	5.11E-04	7.66E-05	4.04E-10	2.13E-07	3.24E-07	7.71E-05	9.73E-05	3.99E-04	1.59E-05	1.19E-05	5.24E-04
6027	480769.32	3851463.75	0.02166	0.01319	0.0025	0.00371	8.08E-05	3.94E-04	1.59E-05	1.17E-05	5.02E-04	7.35E-05	3.98E-10	2.12E-07	3.19E-07	7.41E-05	9.35E-05	3.94E-04	1.59E-05	1.17E-05	5.15E-04
6028	480684.08	3851421.08	0.0208	0.01301	0.0025	0.00367	7.76E-05	3.88E-04	1.58E-05	1.16E-05	4.93E-04	7.06E-05	3.93E-10	2.11E-07	3.16E-07	7.11E-05	8.98E-05	3.88E-04	1.58E-05	1.16E-05	5.05E-04
6029	480598.84	3851378.42	0.01998	0.01292	0.0025	0.00362	7.46E-05	3.85E-04	1.58E-05	1.14E-05	4.87E-04	6.78E-05	3.90E-10	2.10E-07	3.12E-07	6.84E-05	8.62E-05	3.85E-04	1.58E-05	1.14E-05	4.99E-04
6030	480435.71	3851275.01	0.01868	0.01259	0.0024	0.00354	6.97E-05	3.76E-04	1.55E-05	1.12E-05	4.72E-04	6.34E-05	3.80E-10	2.07E-07	3.05E-07	6.39E-05	8.06E-05	3.76E-04	1.55E-05	1.12E-05	4.83E-04
6031	480347.85	3851232.36	0.01795	0.01251	0.0024	0.0035	6.70E-05	3.73E-04	1.54E-05	1.11E-05	4.67E-04	6.09E-05	3.78E-10	2.06E-07	3.01E-07	6.14E-05	7.75E-05	3.73E-04	1.54E-05	1.11E-05	4.77E-04
6032	480260	3851189.72	0.01729	0.01241	0.0024	0.00346	6.45E-05	3.70E-04	1.54E-05	1.09E-05	4.61E-04	5.87E-05	3.75E-10	2.05E-07	2.98E-07	5.92E-05	7.46E-05	3.70E-04	1.54E-05	1.09E-05	4.71E-04
6033	480172.15	3851147.07	0.01667	0.01231	0.0024	0.00343	6.22E-05	3.67E-04	1.53E-05	1.08E-05	4.56E-04	5.66E-05	3.72E-10	2.04E-07	2.95E-07	5.71E-05	7.19E-05	3.67E-04	1.53E-05	1.08E-05	4.65E-04
6034	480084.29	3851104.42	0.01611	0.01217	0.0024	0.0034	6.01E-05	3.63E-04	1.52E-05	1.07E-05	4.49E-04	5.47E-05	3.68E-10	2.03E-07	2.93E-07	5.52E-05	6.95E-05	3.63E-04	1.52E-05	1.07E-05	4.59E-04
6035	479996.44	3851061.77	0.01559	0.01202	0.0024	0.00337	5.82E-05	3.59E-04	1.51E-05	1.06E-05	4.43E-04	5.29E-05	3.63E-10	2.02E-07	2.90E-07	5.34E-05	6.73E-05	3.59E-04	1.51E-05	1.06E-05	4.52E-04

6036	479908.58	3851019.13	0.01512	0.01166	0.0024	0.00335	5.64E-05	3.48E-04	1.51E-05	1.06E-05	4.30E-04	5.13E-05	3.52E-10	2.01E-07	2.88E-07	5.18E-05	6.52E-05	3.48E-04	1.51E-05	1.06E-05	4.39E-04
6037	479820.73	3850976.48	0.01468	0.01154	0.0024	0.00333	5.48E-05	3.44E-04	1.50E-05	1.05E-05	4.25E-04	4.98E-05	3.48E-10	2.00E-07	2.87E-07	5.03E-05	6.33E-05	3.44E-04	1.50E-05	1.05E-05	4.33E-04
6038	479732.88	3850933.83	0.01429	0.01144	0.0023	0.0033	5.33E-05	3.41E-04	1.49E-05	1.04E-05	4.20E-04	4.85E-05	3.45E-10	1.98E-07	2.84E-07	4.90E-05	6.17E-05	3.41E-04	1.49E-05	1.04E-05	4.28E-04
6039	479645.02	3850891.18	0.01394	0.01138	0.0023	0.00327	5.20E-05	3.40E-04	1.48E-05	1.03E-05	4.17E-04	4.73E-05	3.44E-10	1.97E-07	2.82E-07	4.78E-05	6.02E-05	3.40E-04	1.48E-05	1.03E-05	4.25E-04
6040	479557.17	3850848.54	0.01363	0.01136	0.0023	0.00324	5.09E-05	3.39E-04	1.47E-05	1.02E-05	4.15E-04	4.63E-05	3.43E-10	1.96E-07	2.79E-07	4.67E-05	5.88E-05	3.39E-04	1.47E-05	1.02E-05	4.23E-04
6041	479469.32	3850805.89	0.01334	0.0112	0.0023	0.00321	4.98E-05	3.34E-04	1.47E-05	1.01E-05	4.09E-04	4.53E-05	3.38E-10	1.96E-07	2.76E-07	4.58E-05	5.76E-05	3.34E-04	1.47E-05	1.01E-05	4.17E-04
6042	479381.46	3850763.24	0.01308	0.01124	0.0023	0.00318	4.88E-05	3.35E-04	1.46E-05	1.00E-05	4.09E-04	4.44E-05	3.39E-10	1.95E-07	2.74E-07	4.49E-05	5.64E-05	3.35E-04	1.46E-05	1.00E-05	4.16E-04
6043	479293.61	3850720.59	0.01286	0.01137	0.0023	0.00314	4.80E-05	3.39E-04	1.45E-05	9.91E-06	4.12E-04	4.37E-05	3.43E-10	1.94E-07	2.70E-07	4.41E-05	5.55E-05	3.39E-04	1.45E-05	9.91E-06	4.19E-04
6044	479205.76	3850677.95	0.01265	0.01145	0.0023	0.00311	4.72E-05	3.42E-04	1.45E-05	9.82E-06	4.13E-04	4.29E-05	3.46E-10	1.93E-07	2.68E-07	4.34E-05	5.46E-05	3.42E-04	1.45E-05	9.82E-06	4.20E-04
6045	479117.9	3850635.3	0.01246	0.01157	0.0023	0.00307	4.65E-05	3.45E-04	1.44E-05	9.69E-06	4.16E-04	4.23E-05	3.49E-10	1.92E-07	2.64E-07	4.28E-05	5.38E-05	3.45E-04	1.44E-05	9.69E-06	4.23E-04
6046	479030.05	3850592.65	0.01228	0.0116	0.0023	0.00304	4.58E-05	3.46E-04	1.44E-05	9.60E-06	4.16E-04	4.17E-05	3.50E-10	1.91E-07	2.62E-07	4.21E-05	5.30E-05	3.46E-04	1.44E-05	9.60E-06	4.23E-04
6047	478942.19	3850550	0.01213	0.0114	0.0022	0.00302	4.53E-05	3.40E-04	1.43E-05	9.54E-06	4.09E-04	4.12E-05	3.44E-10	1.91E-07	2.60E-07	4.16E-05	5.23E-05	3.40E-04	1.43E-05	9.54E-06	4.16E-04
6048	478854.34	3850507.36	0.01181	0.01088	0.0022	0.003	4.41E-05	3.25E-04	1.42E-05	9.47E-06	3.92E-04	4.01E-05	3.29E-10	1.89E-07	2.58E-07	4.05E-05	5.10E-05	3.25E-04	1.42E-05	9.47E-06	3.99E-04
6049	478766.49	3850464.71	0.01163	0.01064	0.0022	0.00298	4.34E-05	3.17E-04	1.40E-05	9.41E-06	3.84E-04	3.95E-05	3.21E-10	1.87E-07	2.57E-07	3.99E-05	5.02E-05	3.17E-04	1.40E-05	9.41E-06	3.91E-04
6050	478678.63	3850422.06	0.01149	0.01049	0.0022	0.00296	4.29E-05	3.13E-04	1.40E-05	9.35E-06	3.79E-04	3.90E-05	3.17E-10	1.86E-07	2.55E-07	3.95E-05	4.96E-05	3.13E-04	1.40E-05	9.35E-06	3.86E-04
6051	478590.78	3850379.41	0.01135	0.0103	0.0022	0.00293	4.24E-05	3.07E-04	1.39E-05	9.25E-06	3.73E-04	3.85E-05	3.11E-10	1.85E-07	2.52E-07	3.90E-05	4.90E-05	3.07E-04	1.39E-05	9.25E-06	3.79E-04
6052	478502.93	3850336.77	0.01125	0.01018	0.0022	0.00291	4.20E-05	3.04E-04	1.38E-05	9.19E-06	3.69E-04	3.82E-05	3.07E-10	1.85E-07	2.51E-07	3.86E-05	4.85E-05	3.04E-04	1.38E-05	9.19E-06	3.75E-04
6053	478415.07	3850294.12	0.01115	0.0101	0.0022	0.00289	4.16E-05	3.01E-04	1.37E-05	9.12E-06	3.66E-04	3.79E-05	3.05E-10	1.83E-07	2.49E-07	3.83E-05	4.81E-05	3.01E-04	1.37E-05	9.12E-06	3.72E-04
6054	478327.22	3850251.47	0.01104	0.00988	0.0021	0.00286	4.12E-05	2.95E-04	1.37E-05	9.03E-06	3.59E-04	3.75E-05	2.98E-10	1.82E-07	2.46E-07	3.79E-05	4.76E-05	2.95E-04	1.37E-05	9.03E-06	3.65E-04
6055	478239.36	3850208.82	0.01094	0.0097	0.0021	0.00284	4.08E-05	2.89E-04	1.36E-05	8.97E-06	3.53E-04	3.71E-05	2.93E-10	1.81E-07	2.45E-07	3.76E-05	4.72E-05	2.89E-04	1.36E-05	8.97E-06	3.59E-04
6056	478151.51	3850166.18	0.01084	0.00954	0.0021	0.00282	4.04E-05	2.85E-04	1.35E-05	8.90E-06	3.47E-04	3.68E-05	2.88E-10	1.79E-07	2.43E-07	3.72E-05	4.68E-05	2.85E-04	1.35E-05	8.90E-06	3.54E-04
6057	478063.66	3850123.53	0.01075	0.00938	0.0021	0.0028	4.01E-05	2.80E-04	1.34E-05	8.84E-06	3.42E-04	3.65E-05	2.83E-10	1.79E-07	2.41E-07	3.69E-05	4.64E-05	2.80E-04	1.34E-05	8.84E-06	3.48E-04
6058	477975.8	3850080.88	0.01073	0.00971	0.0021	0.00278	4.00E-05	2.90E-04	1.33E-05	8.78E-06	3.52E-04	3.64E-05	2.93E-10	1.78E-07	2.39E-07	3.68E-05	4.63E-05	2.90E-04	1.33E-05	8.78E-06	3.58E-04
6059	477887.95	3850038.23	0.01065	0.00967	0.0021	0.00276	3.97E-05	2.88E-04	1.33E-05	8.71E-06	3.50E-04	3.62E-05	2.92E-10	1.77E-07	2.38E-07	3.66E-05	4.60E-05	2.88E-04	1.33E-05	8.71E-06	3.56E-04
6060	477800.1	3849995.59	0.01058	0.00967	0.0021	0.00274	3.95E-05	2.88E-04	1.31E-05	8.65E-06	3.50E-04	3.59E-05	2.92E-10	1.75E-07	2.36E-07	3.63E-05	4.57E-05	2.88E-04	1.31E-05	8.65E-06	3.56E-04
6061	477712.24	3849952.94	0.01049	0.00953	0.0021	0.00273	3.91E-05	2.84E-04	1.31E-05	8.62E-06	3.45E-04	3.56E-05	2.88E-10	1.74E-07	2.35E-07	3.60E-05	4.53E-05	2.84E-04	1.31E-05	8.62E-06	3.51E-04
6062	477624.39	3849910.29	0.0104	0.00938	0.002	0.00271	3.88E-05	2.80E-04	1.30E-05	8.56E-06	3.40E-04	3.53E-05	2.83E-10	1.73E-07	2.33E-07	3.57E-05	4.49E-05	2.80E-04	1.30E-05	8.56E-06	3.46E-04
6063	477536.54	3849867.64	0.01032	0.00925	0.002	0.0027	3.85E-05	2.76E-04	1.29E-05	8.52E-06	3.36E-04	3.50E-05	2.79E-10	1.73E-07	2.32E-07	3.54E-05	4.45E-05	2.76E-04	1.29E-05	8.52E-06	3.42E-04
6064	477448.68	3849825	0.01022	0.00904	0.002	0.00268	3.81E-05	2.70E-04	1.28E-05	8.46E-06	3.29E-04	3.47E-05	2.73E-10	1.71E-07	2.31E-07	3.51E-05	4.41E-05	2.70E-04	1.28E-05	8.46E-06	3.35E-04
6065	477360.83	3849782.35	0.01013	0.00883	0.002	0.00267	3.78E-05	2.63E-04	1.28E-05	8.43E-06	3.22E-04	3.44E-05	2.67E-10	1.70E-07	2.30E-07	3.48E-05	4.37E-05	2.63E-04	1.28E-05	8.43E-06	3.28E-04
6066	477272.97	3849739.7	0.01003	0.00861	0.002	0.00266	3.74E-05	2.57E-04	1.27E-05	8.40E-06	3.15E-04	3.41E-05	2.60E-10	1.69E-07	2.29E-07	3.45E-05	4.33E-05	2.57E-04	1.27E-05	8.40E-06	3.21E-04
6067	477185.12	3849697.05	0.00994	0.00843	0.002	0.00265	3.71E-05	2.51E-04	1.26E-05	8.37E-06	3.10E-04	3.37E-05	2.55E-10	1.68E-07	2.28E-07	3.41E-05	4.29E-05	2.51E-04	1.26E-05	8.37E-06	3.15E-04
6068	477097.27	3849654.41	0.00984	0.00821	0.002	0.00263	3.67E-05	2.45E-04	1.25E-05	8.30E-06	3.02E-04	3.34E-05	2.48E-10	1.67E-07	2.26E-07	3.38E-05	4.25E-05	2.45E-04	1.25E-05	8.30E-06	3.08E-04
6069	477009.41	3849611.76	0.00973	0.00786	0.002	0.00262	3.63E-05	2.34E-04	1.24E-05	8.27E-06	2.92E-04	3.30E-05	2.37E-10	1.66E-07	2.26E-07	3.34E-05	4.20E-05	2.34E-04	1.24E-05	8.27E-06	2.97E-04
6070	476841.49	3849530.08	0.00954	0.00742	0.0019	0.0026	3.56E-05	2.21E-04	1.22E-05	8.21E-06	2.77E-04	3.24E-05	2.24E-10	1.63E-07	2.24E-07	3.28E-05	4.12E-05	2.21E-04	1.22E-05	8.21E-06	2.83E-04
6071	476761.41	3849491.05	0.00946	0.00727	0.0019	0.00259	3.53E-05	2.17E-04	1.22E-05	8.18E-06	2.73E-04	3.21E-05	2.20E-10	1.62E-07	2.23E-07	3.25E-05	4.08E-05	2.17E-04	1.22E-05	8.18E-06	2.78E-04
6072	476681.34	3849452.02	0.00937	0.00705	0.0019	0.00258	3.50E-05	2.10E-04	1.21E-05	8.15E-06	2.66E-04	3.18E-05	2.13E-10	1.62E-07	2.22E-07	3.22E-05	4.04E-05	2.10E-04	1.21E-05	8.15E-06	2.71E-04
6073	476601.26	3849412.99	0.00927	0.00681	0.0019	0.00257	3.46E-05	2.03E-04	1.21E-05	8.11E-06	2.58E-04	3.15E-05	2.06E-10	1.61E-07	2.21E-07	3.19E-05	4.00E-05	2.03E-04	1.21E-05	8.11E-06	2.63E-04
6074	476456.32	3849353.67	0.0091	0.00628	0.0019	0.00256	3.40E-05	1.87E-04	1.19E-05	8.08E-06	2.41E-04	3.09E-05	1.90E-10	1.59E-07	2.20E-07	3.13E-05	3.93E-05	1.87E-04	1.19E-05	8.08E-06	2.47E-04
6075	476305.43	3849318.83	0.00906	0.0061	0.0019	0.00255	3.38E-05	1.82E-04	1.18E-05	8.05E-06	2.36E-04	3.08E-05	1.84E-10	1.57E-07	2.20E-07	3.11E-05	3.91E-05	1.82E-04	1.18E-05	8.05E-06	2.41E-04
6076	476129.36	3849289.99	0.00901	0.00579	0.0018	0.00255	3.36E-05	1.73E-04	1.17E-05	8.05E-06	2.26E-04	3.06E-05	1.75E-10	1.56E-07	2.20E-07	3.10E-05	3.89E-05	1.73E-04	1.17E-05	8.05E-06	2.31E-04
6077	476039.31	3849275.68	0.00899	0.00566	0.0018	0.00255	3.35E-05	1.69E-04	1.16E-05	8.05E-06	2.22E-04	3.05E-05	1.71E-10	1.55E-07	2.20E-07	3.09E-05	3.88E-05	1.69E-04	1.16E-05	8.05E-06	2.27E-04
6078	475949.26	3849261.38	0.00892	0.00542	0.0018	0.00255	3.33E-05	1.62E-04	1.15E-05	8.05E-06	2.15E-04	3.03E-05	1.64E-10	1.54E-07	2.20E-07	3.07E-05	3.85E-05	1.62E-04	1.15E-05	8.05E-06	2.20E-04
6079	475859.21	3849247.08	0.00889	0.00531	0.0018	0.00255	3.32E-05	1.58E-04	1.15E-05	8.05E-06	2.11E-04	3.02E-05	1.60E-10	1.53E-07	2.20E-07	3.06E-05	3.84E-05	1.58E-04	1.15E-05	8.05E-06	2.16E-04
6080	475769.16	3849232.77	0.00885	0.00518	0.0018	0.00255	3.30E-05	1.55E-04	1.14E-05	8.05E-06	2.07E-04	3.00E-05	1.56E-10	1.52E-07	2.20E-07	3.04E-05	3.82E-05	1.55E-04	1.14E-05	8.05E-06	2.12E-04
6081	475585.22	3849219.27	0.00824	0.00421	0.0018	0.00254	3.07E-05	1.26E-04	1.14E-05	8.02E-06	1.76E-04	2.80E-05	1.27E-10	1.51E-07	2.19E-07	2.83E-05	3.56E-05	1.26E-04	1.14E-05	8.02E-06	1.81E-04
6082	475444.49	3849150.35	0.00852	0.00463	0.0018	0.00253	3.18E-05	1.38E-04	1.13E-05	7.99E-06	1.89E-04	2.89E-05	1.40E-10	1.51E-07	2.18E-07	2.93E-05	3.68E-05	1.38E-04	1.13E-05	7.99E-06	1.94E-04
6083	475334.17	3849118.71	0.00853	0.00472	0.0018	0.00252	3.18E-05	1.41E-04	1.12E-05	7.96E-06	1.92E-04	2.90E-05	1.43E-10	1.50E-07	2.17E-07	2.93E-05	3.68E-05	1.41E-04	1.12E-05	7.96E-06	1.97E-04
6084	475230.47	3849060.56	0.00842	0.00467	0.0018	0.00251	3.14E-05	1.39E-04	1.12E-05	7.93E-06	1.90E-04	2.86E-05	1.41E-10	1.49E-07	2.16E-07	2.90E-05	3.63E-05	1.39E-04	1.12E-05	7.93E-06	1.95E-04
6085	475110.86	3848960.97	0.00821	0.00456	0.0017	0.00248	3.06E-05	1.36E-04	1.10E-05	7.83E-06	1.86E-04	2.79E-05	1.38E-10	1.47E-07	2.14E-07	2.82E-05	3.54E-05	1.36E-04	1.10E-05	7.83E-06	1.90E-04
6086	475037.79	3848896.28	0.00805	0.00444	0.0017	0.00246	3.00E-05	1.32E-04	1.10E-05	7.77E-06	1.81E-04	2.73E-05	1.34E-10	1.46E-07	2.12E-07	2.77E-05	3.47E-05	1.32E-04	1.10E-05	7.77E-06	1.86E-04
6087	474964.72	3848831.59	0.00789	0.00433	0.0017	0.00244	2.94E-05	1.29E-04	1.09E-05	7.70E-06	1.77E-04	2.68E-05	1.31E-10	1.45E-07	2.10E-07	2.71E-05	3.40E-05	1.29E-04	1.09E-05	7.70E-06	1.82E-04
6088	474891.65	3848766.9	0.00777	0.00428	0.0017	0.00242	2.90E-05	1.28E-04	1.08E-05	7.64E-06	1.75E-04	2.64E-05	1.29E-10	1.45E-07	2.08E-07	2.67E-05	3.35E-05	1.28E-04	1.08E-05	7.64E-06	1.80E-04
6089	474818.58	3848702.21	0.00767	0.00424	0.0017	0.00241	2.86E-05	1.26E-04	1.08E-05	7.61E-06	1.74E-04	2.60E-05	1.28E-10	1.44E-07	2.08E-07	2.64E-05	3.31E-05	1.26E-04	1.08E-05	7.61E-06	1.78E-04
6090	474745.51	3848637.53	0.00764	0.00432	0.0017	0.00239	2.85E-05	1.29E-04	1.07E-05	7.55E-06	1.76E-04	2.59E-05	1.30E-10	1.43E-07	2.06E-07	2.63E-05	3.30E-05	1.29E-04	1.07E-05	7.55E-06	1.80E-04
6091	474672.44	3848572.84	0.00756	0.00432	0.0017	0.00238	2.82E-05	1.29E-04	1.07E-05	7.51E-06	1.75E-04	2.57E-05	1.30E-10	1.42E-07	2.05E-07	2.60E-05	3.26E-05	1.29E-04	1.07E-05	7.51E-06	1.80E-04
6092	474599.37	3848508.15	0.00743	0.00422	0.0017	0.00236	2.77E-05	1.26E-04	1.06E-05	7.45E-06	1.72E-04	2.52E-05	1.27E-10	1.41E-07	2.03E-07	2.56E-05	3.21E-05	1.26E-04	1.06E-05	7.45E-06	1.76E-04
6093	474526.3	3848443.46	0.00733	0.00417	0.0017	0.00234	2.74E-05	1.24E-04	1.05E-05	7.39E-06	1.70E-04	2.49E-05	1.26E-10	1.40E-07	2.01E-07	2.52E-05	3.16E-05	1.24E-04	1.05E-05	7.39E-06	1.74E-04

			2033 Mitigated				
			3.93E-03	7.15E-08	8.50E-05	8.61E-05	
			Concentration [ug/m^3]				
	X	Y	CHE (PARE	WHS (PAR	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	1.41E-03	3.85E-09	6.41E-07	2.81E-06	1.42E-03
2	486023.61	3854936.51	1.38E-03	3.80E-09	6.76E-07	2.82E-06	1.39E-03
3	486073.61	3854936.51	1.37E-03	3.77E-09	7.18E-07	2.83E-06	1.37E-03
4	486123.61	3854936.51	1.32E-03	3.68E-09	7.70E-07	2.84E-06	1.32E-03
5	486173.61	3854936.51	1.32E-03	3.68E-09	8.15E-07	2.85E-06	1.32E-03
6	486223.61	3854936.51	1.29E-03	3.64E-09	8.59E-07	2.85E-06	1.29E-03
7	486273.61	3854936.51	1.27E-03	3.60E-09	8.92E-07	2.86E-06	1.27E-03
8	486323.61	3854936.51	1.25E-03	3.58E-09	9.10E-07	2.86E-06	1.26E-03
9	485973.61	3854986.51	1.68E-03	4.13E-09	6.33E-07	2.94E-06	1.69E-03
10	486023.61	3854986.51	1.65E-03	4.08E-09	6.59E-07	2.95E-06	1.65E-03
11	486073.61	3854986.51	1.60E-03	4.02E-09	6.97E-07	2.96E-06	1.60E-03
12	486123.61	3854986.51	1.56E-03	3.96E-09	7.44E-07	2.96E-06	1.56E-03
13	486173.61	3854986.51	1.54E-03	3.94E-09	7.92E-07	2.97E-06	1.54E-03
14	486223.61	3854986.51	1.49E-03	3.88E-09	8.42E-07	2.97E-06	1.50E-03
15	486273.61	3854986.51	1.45E-03	3.82E-09	8.85E-07	2.98E-06	1.45E-03
16	486323.61	3854986.51	1.45E-03	3.83E-09	9.09E-07	2.98E-06	1.46E-03
17	485973.61	3855036.51	2.00E-03	4.43E-09	6.28E-07	3.07E-06	2.00E-03
18	486023.61	3855036.51	1.94E-03	4.36E-09	6.47E-07	3.08E-06	1.94E-03
19	486073.61	3855036.51	1.86E-03	4.28E-09	6.80E-07	3.09E-06	1.86E-03
20	486123.61	3855036.51	1.81E-03	4.22E-09	7.22E-07	3.10E-06	1.81E-03
21	486173.61	3855036.51	1.78E-03	4.19E-09	7.68E-07	3.10E-06	1.78E-03
22	486223.61	3855036.51	1.71E-03	4.11E-09	8.22E-07	3.11E-06	1.72E-03
23	486273.61	3855036.51	1.69E-03	4.10E-09	8.66E-07	3.11E-06	1.70E-03
24	486323.61	3855036.51	1.65E-03	4.05E-09	9.05E-07	3.11E-06	1.65E-03
25	485973.61	3855086.51	2.35E-03	4.73E-09	6.29E-07	3.22E-06	2.35E-03
26	486023.61	3855086.51	2.28E-03	4.68E-09	6.40E-07	3.23E-06	2.28E-03
27	486073.61	3855086.51	2.17E-03	4.57E-09	6.65E-07	3.24E-06	2.17E-03
28	486123.61	3855086.51	2.11E-03	4.53E-09	6.98E-07	3.24E-06	2.12E-03
29	486173.61	3855086.51	2.03E-03	4.45E-09	7.46E-07	3.25E-06	2.03E-03
30	486223.61	3855086.51	1.98E-03	4.40E-09	7.95E-07	3.25E-06	1.98E-03
31	485973.61	3855136.51	2.75E-03	5.08E-09	6.33E-07	3.38E-06	2.76E-03
32	486023.61	3855136.51	2.64E-03	4.99E-09	6.39E-07	3.39E-06	2.64E-03
33	486073.61	3855136.51	2.53E-03	4.91E-09	6.54E-07	3.40E-06	2.53E-03
34	486123.61	3855136.51	2.43E-03	4.83E-09	6.81E-07	3.40E-06	2.44E-03
35	486173.61	3855136.51	2.34E-03	4.75E-09	7.21E-07	3.41E-06	2.34E-03
36	486223.61	3855136.51	2.25E-03	4.69E-09	7.70E-07	3.41E-06	2.26E-03
37	485973.61	3855186.51	3.20E-03	5.45E-09	6.40E-07	3.55E-06	3.21E-03
38	486023.61	3855186.51	3.06E-03	5.36E-09	6.40E-07	3.56E-06	3.07E-03
39	486073.61	3855186.51	2.90E-03	5.24E-09	6.51E-07	3.57E-06	2.90E-03
40	486123.61	3855186.51	2.75E-03	5.13E-09	6.71E-07	3.58E-06	2.76E-03
41	486173.61	3855186.51	2.64E-03	5.05E-09	7.03E-07	3.58E-06	2.65E-03
42	486223.61	3855186.51	2.54E-03	4.97E-09	7.46E-07	3.57E-06	2.55E-03
43	486273.61	3855186.51	2.44E-03	4.89E-09	7.99E-07	3.56E-06	2.45E-03
44	486323.61	3855186.51	2.43E-03	4.92E-09	8.41E-07	3.55E-06	2.43E-03
45	485973.61	3855236.51	3.68E-03	5.83E-09	6.48E-07	3.75E-06	3.69E-03
46	486023.61	3855236.51	3.47E-03	5.69E-09	6.48E-07	3.76E-06	3.48E-03
47	486073.61	3855236.51	3.27E-03	5.56E-09	6.53E-07	3.76E-06	3.28E-03
48	486123.61	3855236.51	3.12E-03	5.46E-09	6.65E-07	3.76E-06	3.12E-03
49	486173.61	3855236.51	2.99E-03	5.37E-09	6.89E-07	3.75E-06	2.99E-03
50	486223.61	3855236.51	2.85E-03	5.28E-09	7.25E-07	3.74E-06	2.86E-03
51	486273.61	3855236.51	2.69E-03	5.14E-09	7.78E-07	3.72E-06	2.69E-03
52	486323.61	3855236.51	2.71E-03	5.21E-09	8.16E-07	3.69E-06	2.72E-03
53	485973.61	3855286.51	4.19E-03	6.22E-09	6.57E-07	3.95E-06	4.20E-03
54	486023.61	3855286.51	3.93E-03	6.06E-09	6.58E-07	3.96E-06	3.93E-03
55	486073.61	3855286.51	3.71E-03	5.93E-09	6.58E-07	3.95E-06	3.71E-03
56	486123.61	3855286.51	3.50E-03	5.79E-09	6.66E-07	3.94E-06	3.50E-03
57	486173.61	3855286.51	3.32E-03	5.67E-09	6.82E-07	3.92E-06	3.32E-03

			2048 Unmitigated				
			1.87E-03	3.15E-02	6.38E-03	3.16E-03	
			Concentration [ug/m^3]				
	X	Y	CHE (PARE	WHS (PARE	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	6.73E-04	1.70E-03	4.81E-05	1.03E-04	2.52E-03
2	486023.61	3854936.51	6.57E-04	1.67E-03	5.07E-05	1.04E-04	2.48E-03
3	486073.61	3854936.51	6.50E-04	1.66E-03	5.38E-05	1.04E-04	2.47E-03
4	486123.61	3854936.51	6.25E-04	1.62E-03	5.77E-05	1.04E-04	2.41E-03
5	486173.61	3854936.51	6.26E-04	1.62E-03	6.11E-05	1.04E-04	2.41E-03
6	486223.61	3854936.51	6.13E-04	1.60E-03	6.44E-05	1.05E-04	2.38E-03
7	486273.61	3854936.51	6.04E-04	1.59E-03	6.69E-05	1.05E-04	2.36E-03
8	486323.61	3854936.51	5.96E-04	1.58E-03	6.83E-05	1.05E-04	2.35E-03
9	485973.61	3854986.51	8.00E-04	1.82E-03	4.75E-05	1.08E-04	2.77E-03
10	486023.61	3854986.51	7.83E-04	1.80E-03	4.94E-05	1.08E-04	2.74E-03
11	486073.61	3854986.51	7.61E-04	1.77E-03	5.23E-05	1.08E-04	2.69E-03
12	486123.61	3854986.51	7.40E-04	1.74E-03	5.58E-05	1.09E-04	2.65E-03
13	486173.61	3854986.51	7.31E-04	1.73E-03	5.94E-05	1.09E-04	2.63E-03
14	486223.61	3854986.51	7.11E-04	1.71E-03	6.31E-05	1.09E-04	2.59E-03
15	486273.61	3854986.51	6.89E-04	1.68E-03	6.64E-05	1.09E-04	2.54E-03
16	486323.61	3854986.51	6.90E-04	1.69E-03	6.82E-05	1.09E-04	2.55E-03
17	485973.61	3855036.51	9.51E-04	1.95E-03	4.71E-05	1.13E-04	3.06E-03
18	486023.61	3855036.51	9.21E-04	1.92E-03	4.85E-05	1.13E-04	3.00E-03
19	486073.61	3855036.51	8.85E-04	1.88E-03	5.10E-05	1.13E-04	2.93E-03
20	486123.61	3855036.51	8.59E-04	1.86E-03	5.42E-05	1.14E-04	2.88E-03
21	486173.61	3855036.51	8.45E-04	1.85E-03	5.76E-05	1.14E-04	2.86E-03
22	486223.61	3855036.51	8.14E-04	1.81E-03	6.17E-05	1.14E-04	2.80E-03
23	486273.61	3855036.51	8.04E-04	1.81E-03	6.49E-05	1.14E-04	2.79E-03
24	486323.61	3855036.51	7.83E-04	1.78E-03	6.79E-05	1.14E-04	2.75E-03
25	485973.61	3855086.51	1.12E-03	2.08E-03	4.72E-05	1.18E-04	3.36E-03
26	486023.61	3855086.51	1.08E-03	2.06E-03	4.80E-05	1.18E-04	3.31E-03
27	486073.61	3855086.51	1.03E-03	2.01E-03	4.99E-05	1.19E-04	3.22E-03
28	486123.61	3855086.51	1.00E-03	1.99E-03	5.24E-05	1.19E-04	3.17E-03
29	486173.61	3855086.51	9.65E-04	1.96E-03	5.59E-05	1.19E-04	3.10E-03
30	486223.61	3855086.51	9.40E-04	1.94E-03	5.96E-05	1.19E-04	3.06E-03
31	485973.61	3855136.51	1.31E-03	2.24E-03	4.75E-05	1.24E-04	3.72E-03
32	486023.61	3855136.51	1.25E-03	2.20E-03	4.79E-05	1.24E-04	3.63E-03
33	486073.61	3855136.51	1.20E-03	2.16E-03	4.91E-05	1.25E-04	3.54E-03
34	486123.61	3855136.51	1.16E-03	2.13E-03	5.11E-05	1.25E-04	3.46E-03
35	486173.61	3855136.51	1.11E-03	2.09E-03	5.41E-05	1.25E-04	3.38E-03
36	486223.61	3855136.51	1.07E-03	2.06E-03	5.77E-05	1.25E-04	3.32E-03
37	485973.61	3855186.51	1.52E-03	2.40E-03	4.80E-05	1.30E-04	4.10E-03
38	486023.61	3855186.51	1.46E-03	2.36E-03	4.80E-05	1.31E-04	3.99E-03
39	486073.61	3855186.51	1.38E-03	2.31E-03	4.88E-05	1.31E-04	3.86E-03
40	486123.61	3855186.51	1.31E-03	2.26E-03	5.03E-05	1.31E-04	3.75E-03
41	486173.61	3855186.51	1.26E-03	2.22E-03	5.28E-05	1.31E-04	3.66E-03
42	486223.61	3855186.51	1.21E-03	2.19E-03	5.59E-05	1.31E-04	3.59E-03
43	486273.61	3855186.51	1.16E-03	2.16E-03	5.99E-05	1.31E-04	3.51E-03
44	486323.61	3855186.51	1.16E-03	2.16E-03	6.31E-05	1.30E-04	3.51E-03
45	485973.61	3855236.51	1.75E-03	2.57E-03	4.86E-05	1.37E-04	4.50E-03
46	486023.61	3855236.51	1.65E-03	2.51E-03	4.86E-05	1.38E-04	4.34E-03
47	486073.61	3855236.51	1.56E-03	2.45E-03	4.90E-05	1.38E-04	4.19E-03
48	486123.61	3855236.51	1.48E-03	2.40E-03	4.99E-05	1.38E-04	4.07E-03
49	486173.61	3855236.51	1.42E-03	2.37E-03	5.17E-05	1.38E-04	3.97E-03
50	486223.61	3855236.51	1.36E-03	2.32E-03	5.44E-05	1.37E-04	3.87E-03
51	486273.61	3855236.51	1.28E-03	2.26E-03	5.84E-05	1.36E-04	3.74E-03
52	486323.61	3855236.51	1.29E-03	2.30E-03	6.12E-05	1.35E-04	3.78E-03
53	485973.61	3855286.51	1.99E-03	2.74E-03	4.93E-05	1.45E-04	4.93E-03
54	486023.61	3855286.51	1.87E-03	2.67E-03	4.94E-05	1.45E-04	4.73E-03
55	486073.61	3855286.51	1.76E-03	2.61E-03	4.94E-05	1.45E-04	4.57E-03
56	486123.61	3855286.51	1.66E-03	2.55E-03	4.99E-05	1.45E-04	4.41E-03
57	486173.61	3855286.51	1.58E-03	2.50E-03	5.12E-05	1.44E-04	4.27E-03

			2048 Mitigated				
			1.78E-03	5.91E-08	8.50E-05	8.61E-05	
			Concentration [ug/m^3]				
	X	Y	CHE (PAREA	WHS (PARE/	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	6.40E-04	3.18E-09	6.41E-07	2.81E-06	6.43E-04
2	486023.61	3854936.51	6.26E-04	3.14E-09	6.76E-07	2.82E-06	6.29E-04
3	486073.61	3854936.51	6.18E-04	3.11E-09	7.18E-07	2.83E-06	6.22E-04
4	486123.61	3854936.51	5.95E-04	3.04E-09	7.70E-07	2.84E-06	5.99E-04
5	486173.61	3854936.51	5.96E-04	3.04E-09	8.15E-07	2.85E-06	6.00E-04
6	486223.61	3854936.51	5.83E-04	3.00E-09	8.59E-07	2.85E-06	5.87E-04
7	486273.61	3854936.51	5.75E-04	2.98E-09	8.92E-07	2.86E-06	5.78E-04
8	486323.61	3854936.51	5.67E-04	2.96E-09	9.10E-07	2.86E-06	5.71E-04
9	485973.61	3854986.51	7.62E-04	3.41E-09	6.33E-07	2.94E-06	7.65E-04
10	486023.61	3854986.51	7.45E-04	3.37E-09	6.59E-07	2.95E-06	7.48E-04
11	486073.61	3854986.51	7.24E-04	3.32E-09	6.97E-07	2.96E-06	7.27E-04
12	486123.61	3854986.51	7.04E-04	3.27E-09	7.44E-07	2.96E-06	7.08E-04
13	486173.61	3854986.51	6.96E-04	3.25E-09	7.92E-07	2.97E-06	6.99E-04
14	486223.61	3854986.51	6.76E-04	3.20E-09	8.42E-07	2.97E-06	6.80E-04
15	486273.61	3854986.51	6.55E-04	3.15E-09	8.85E-07	2.98E-06	6.59E-04
16	486323.61	3854986.51	6.57E-04	3.16E-09	9.09E-07	2.98E-06	6.61E-04
17	485973.61	3855036.51	9.05E-04	3.66E-09	6.28E-07	3.07E-06	9.09E-04
18	486023.61	3855036.51	8.77E-04	3.60E-09	6.47E-07	3.08E-06	8.81E-04
19	486073.61	3855036.51	8.42E-04	3.53E-09	6.80E-07	3.09E-06	8.46E-04
20	486123.61	3855036.51	8.17E-04	3.48E-09	7.22E-07	3.10E-06	8.21E-04
21	486173.61	3855036.51	8.04E-04	3.46E-09	7.68E-07	3.10E-06	8.08E-04
22	486223.61	3855036.51	7.74E-04	3.40E-09	8.22E-07	3.11E-06	7.78E-04
23	486273.61	3855036.51	7.65E-04	3.39E-09	8.66E-07	3.11E-06	7.69E-04
24	486323.61	3855036.51	7.45E-04	3.35E-09	9.05E-07	3.11E-06	7.49E-04
25	485973.61	3855086.51	1.06E-03	3.91E-09	6.29E-07	3.22E-06	1.06E-03
26	486023.61	3855086.51	1.03E-03	3.86E-09	6.40E-07	3.23E-06	1.03E-03
27	486073.61	3855086.51	9.82E-04	3.78E-09	6.65E-07	3.24E-06	9.86E-04
28	486123.61	3855086.51	9.56E-04	3.74E-09	6.98E-07	3.24E-06	9.60E-04
29	486173.61	3855086.51	9.18E-04	3.67E-09	7.46E-07	3.25E-06	9.22E-04
30	486223.61	3855086.51	8.94E-04	3.63E-09	7.95E-07	3.25E-06	8.98E-04
31	485973.61	3855136.51	1.25E-03	4.19E-09	6.33E-07	3.38E-06	1.25E-03
32	486023.61	3855136.51	1.19E-03	4.12E-09	6.39E-07	3.39E-06	1.20E-03
33	486073.61	3855136.51	1.14E-03	4.05E-09	6.54E-07	3.40E-06	1.15E-03
34	486123.61	3855136.51	1.10E-03	3.99E-09	6.81E-07	3.40E-06	1.10E-03
35	486173.61	3855136.51	1.06E-03	3.93E-09	7.21E-07	3.41E-06	1.06E-03
36	486223.61	3855136.51	1.02E-03	3.87E-09	7.70E-07	3.41E-06	1.02E-03
37	485973.61	3855186.51	1.45E-03	4.50E-09	6.40E-07	3.55E-06	1.45E-03
38	486023.61	3855186.51	1.39E-03	4.43E-09	6.40E-07	3.56E-06	1.39E-03
39	486073.61	3855186.51	1.31E-03	4.33E-09	6.51E-07	3.57E-06	1.32E-03
40	486123.61	3855186.51	1.25E-03	4.23E-09	6.71E-07	3.58E-06	1.25E-03
41	486173.61	3855186.51	1.20E-03	4.17E-09	7.03E-07	3.58E-06	1.20E-03
42	486223.61	3855186.51	1.15E-03	4.11E-09	7.46E-07	3.57E-06	1.15E-03
43	486273.61	3855186.51	1.10E-03	4.04E-09	7.99E-07	3.56E-06	1.11E-03
44	486323.61	3855186.51	1.10E-03	4.06E-09	8.41E-07	3.55E-06	1.10E-03
45	485973.61	3855236.51	1.67E-03	4.81E-09	6.48E-07	3.75E-06	1.67E-03
46	486023.61	3855236.51	1.57E-03	4.70E-09	6.48E-07	3.76E-06	1.58E-03
47	486073.61	3855236.51	1.48E-03	4.59E-09	6.53E-07	3.76E-06	1.48E-03
48	486123.61	3855236.51	1.41E-03	4.51E-09	6.65E-07	3.76E-06	1.42E-03
49	486173.61	3855236.51	1.35E-03	4.44E-09	6.89E-07	3.75E-06	1.36E-03
50	486223.61	3855236.51	1.29E-03	4.36E-09	7.25E-07	3.74E-06	1.30E-03
51	486273.61	3855236.51	1.22E-03	4.25E-09	7.78E-07	3.72E-06	1.22E-03
52	486323.61	3855236.51	1.23E-03	4.30E-09	8.16E-07	3.69E-06	1.23E-03
53	485973.61	3855286.51	1.90E-03	5.14E-09	6.57E-07	3.95E-06	1.90E-03
54	486023.61	3855286.51	1.78E-03	5.00E-09	6.58E-07	3.96E-06	1.78E-03
55	486073.61	3855286.51	1.68E-03	4.90E-09	6.58E-07	3.95E-06	1.68E-03
56	486123.61	3855286.51	1.58E-03	4.78E-09	6.66E-07	3.94E-06	1.59E-03
57	486173.61	3855286.51	1.50E-03	4.69E-09	6.82E-07	3.92E-06	1.51E-03

58	486223.61	3855286.51	3.18E-03	5.59E-09	7.09E-07	3.90E-06	3.19E-03	1.51E-03	2.46E-03	5.32E-05	1.43E-04	4.17E-03	1.44E-03	4.62E-09	7.09E-07	3.90E-06	1.45E-03
59	486123.61	3855336.51	3.90E-03	6.14E-09	6.72E-07	4.12E-06	3.90E-03	1.85E-03	2.70E-03	5.04E-05	1.51E-04	4.76E-03	1.76E-03	5.07E-09	6.72E-07	4.12E-06	1.77E-03
60	486173.61	3855336.51	3.71E-03	6.03E-09	6.80E-07	4.09E-06	3.72E-03	1.76E-03	2.66E-03	5.10E-05	1.50E-04	4.62E-03	1.68E-03	4.98E-09	6.80E-07	4.09E-06	1.68E-03
61	486223.61	3855336.51	3.53E-03	5.93E-09	7.00E-07	4.06E-06	3.54E-03	1.68E-03	2.61E-03	5.25E-05	1.49E-04	4.49E-03	1.60E-03	4.89E-09	7.00E-07	4.06E-06	1.60E-03
62	486123.61	3855386.51	4.34E-03	6.52E-09	6.80E-07	4.30E-06	4.34E-03	2.06E-03	2.87E-03	5.10E-05	1.58E-04	5.14E-03	1.96E-03	5.38E-09	6.80E-07	4.30E-06	1.97E-03
63	486173.61	3855386.51	4.12E-03	6.40E-09	6.83E-07	4.27E-06	4.12E-03	1.96E-03	2.82E-03	5.12E-05	1.56E-04	4.98E-03	1.86E-03	5.29E-09	6.83E-07	4.27E-06	1.87E-03
64	486223.61	3855386.51	3.93E-03	6.30E-09	6.94E-07	4.23E-06	3.93E-03	1.87E-03	2.77E-03	5.20E-05	1.55E-04	4.85E-03	1.78E-03	5.20E-09	6.94E-07	4.23E-06	1.78E-03
65	486533.18	3855443.15	3.42E-03	6.21E-09	9.36E-07	4.21E-06	3.43E-03	1.63E-03	2.73E-03	7.02E-05	1.54E-04	4.58E-03	1.55E-03	5.13E-09	9.36E-07	4.21E-06	1.55E-03
66	486583.18	3855443.15	3.29E-03	6.12E-09	9.77E-07	4.18E-06	3.29E-03	1.56E-03	2.69E-03	7.33E-05	1.53E-04	4.48E-03	1.49E-03	5.05E-09	9.77E-07	4.18E-06	1.49E-03
67	486633.18	3855443.15	3.17E-03	6.03E-09	1.00E-06	4.15E-06	3.17E-03	1.50E-03	2.66E-03	7.51E-05	1.52E-04	4.39E-03	1.43E-03	4.98E-09	1.00E-06	4.15E-06	1.44E-03
68	486683.18	3855443.15	3.08E-03	5.98E-09	1.00E-06	4.12E-06	3.08E-03	1.46E-03	2.63E-03	7.53E-05	1.51E-04	4.32E-03	1.39E-03	4.94E-09	1.00E-06	4.12E-06	1.40E-03
69	486533.18	3855493.15	3.71E-03	6.55E-09	9.14E-07	4.40E-06	3.71E-03	1.76E-03	2.88E-03	6.86E-05	1.61E-04	4.88E-03	1.68E-03	5.41E-09	9.14E-07	4.40E-06	1.68E-03
70	486583.18	3855493.15	3.57E-03	6.46E-09	9.62E-07	4.36E-06	3.58E-03	1.70E-03	2.85E-03	7.21E-05	1.60E-04	4.78E-03	1.62E-03	5.34E-09	9.62E-07	4.36E-06	1.62E-03
71	486633.18	3855493.15	3.44E-03	6.37E-09	9.98E-07	4.33E-06	3.44E-03	1.63E-03	2.81E-03	7.48E-05	1.59E-04	4.67E-03	1.55E-03	5.26E-09	9.98E-07	4.33E-06	1.56E-03
72	486683.18	3855493.15	3.31E-03	6.29E-09	1.02E-06	4.29E-06	3.32E-03	1.57E-03	2.77E-03	7.62E-05	1.57E-04	4.58E-03	1.50E-03	5.19E-09	1.02E-06	4.29E-06	1.50E-03
73	486533.18	3855543.15	4.03E-03	6.92E-09	8.88E-07	4.60E-06	4.04E-03	1.92E-03	3.05E-03	6.66E-05	1.69E-04	5.20E-03	1.82E-03	5.72E-09	8.88E-07	4.60E-06	1.83E-03
74	486583.18	3855543.15	3.84E-03	6.79E-09	9.47E-07	4.55E-06	3.84E-03	1.82E-03	2.99E-03	7.10E-05	1.67E-04	5.05E-03	1.74E-03	5.61E-09	9.47E-07	4.55E-06	1.74E-03
75	486633.18	3855543.15	3.70E-03	6.70E-09	9.91E-07	4.51E-06	3.70E-03	1.76E-03	2.95E-03	7.43E-05	1.65E-04	4.95E-03	1.67E-03	5.53E-09	9.91E-07	4.51E-06	1.68E-03
76	486683.18	3855543.15	3.52E-03	6.57E-09	1.03E-06	4.47E-06	3.53E-03	1.68E-03	2.89E-03	7.70E-05	1.64E-04	4.81E-03	1.59E-03	5.43E-09	1.03E-06	4.47E-06	1.60E-03
77	486533.18	3855593.15	4.34E-03	7.29E-09	8.64E-07	4.80E-06	4.35E-03	2.06E-03	3.21E-03	6.48E-05	1.76E-04	5.52E-03	1.96E-03	6.02E-09	8.64E-07	4.80E-06	1.97E-03
78	486583.18	3855593.15	4.14E-03	7.16E-09	9.23E-07	4.75E-06	4.15E-03	1.97E-03	3.15E-03	6.92E-05	1.74E-04	5.37E-03	1.87E-03	5.92E-09	9.23E-07	4.75E-06	1.88E-03
79	486633.18	3855593.15	3.97E-03	7.05E-09	9.77E-07	4.70E-06	3.98E-03	1.89E-03	3.10E-03	7.33E-05	1.72E-04	5.24E-03	1.80E-03	5.82E-09	9.77E-07	4.70E-06	1.80E-03
80	486683.18	3855593.15	3.83E-03	6.96E-09	1.02E-06	4.64E-06	3.83E-03	1.82E-03	3.07E-03	7.62E-05	1.70E-04	5.13E-03	1.73E-03	5.75E-09	1.02E-06	4.64E-06	1.74E-03
81	486533.18	3855643.15	4.68E-03	7.69E-09	8.41E-07	5.01E-06	4.68E-03	2.22E-03	3.39E-03	6.31E-05	1.84E-04	5.86E-03	2.12E-03	6.35E-09	8.41E-07	5.01E-06	2.12E-03
82	486583.18	3855643.15	4.47E-03	7.56E-09	8.97E-07	4.94E-06	4.47E-03	2.12E-03	3.33E-03	6.73E-05	1.81E-04	5.70E-03	2.02E-03	6.25E-09	8.97E-07	4.94E-06	2.03E-03
83	486633.18	3855643.15	4.27E-03	7.43E-09	9.56E-07	4.88E-06	4.28E-03	2.03E-03	3.27E-03	7.17E-05	1.79E-04	5.56E-03	1.93E-03	6.14E-09	9.56E-07	4.88E-06	1.94E-03
84	486683.18	3855643.15	4.10E-03	7.32E-09	1.01E-06	4.82E-06	4.11E-03	1.95E-03	3.22E-03	7.54E-05	1.77E-04	5.43E-03	1.86E-03	6.05E-09	1.01E-06	4.82E-06	1.86E-03
85	486533.18	3855693.15	5.06E-03	8.14E-09	8.20E-07	5.21E-06	5.07E-03	2.41E-03	3.59E-03	6.15E-05	1.91E-04	6.24E-03	2.29E-03	6.72E-09	8.20E-07	5.21E-06	2.30E-03
86	486583.18	3855693.15	4.78E-03	7.95E-09	8.75E-07	5.14E-06	4.79E-03	2.27E-03	3.50E-03	6.56E-05	1.88E-04	6.03E-03	2.16E-03	6.57E-09	8.75E-07	5.14E-06	2.17E-03
87	486633.18	3855693.15	4.52E-03	7.76E-09	9.41E-07	5.07E-06	4.53E-03	2.15E-03	3.42E-03	7.05E-05	1.86E-04	5.82E-03	2.05E-03	6.41E-09	9.41E-07	5.07E-06	2.05E-03
88	486683.18	3855693.15	4.39E-03	7.69E-09	9.90E-07	4.99E-06	4.39E-03	2.09E-03	3.39E-03	7.42E-05	1.83E-04	5.73E-03	1.98E-03	6.36E-09	9.90E-07	4.99E-06	1.99E-03
89	486733.18	3855693.15	4.30E-03	7.68E-09	1.02E-06	4.92E-06	4.31E-03	2.04E-03	3.38E-03	7.65E-05	1.80E-04	5.68E-03	1.95E-03	6.34E-09	1.02E-06	4.92E-06	1.95E-03
90	486783.18	3855693.15	4.24E-03	7.70E-09	1.03E-06	4.84E-06	4.24E-03	2.01E-03	3.39E-03	7.71E-05	1.78E-04	5.66E-03	1.92E-03	6.36E-09	1.03E-06	4.84E-06	1.92E-03
91	486533.18	3855743.15	5.43E-03	8.58E-09	8.07E-07	5.41E-06	5.44E-03	2.58E-03	3.78E-03	6.05E-05	1.98E-04	6.62E-03	2.46E-03	7.08E-09	8.07E-07	5.41E-06	2.46E-03
92	486583.18	3855743.15	5.09E-03	8.33E-09	8.59E-07	5.33E-06	5.09E-03	2.42E-03	3.67E-03	6.44E-05	1.95E-04	6.34E-03	2.30E-03	6.88E-09	8.59E-07	5.33E-06	2.31E-03
93	486633.18	3855743.15	4.84E-03	8.16E-09	9.17E-07	5.25E-06	4.85E-03	2.30E-03	3.60E-03	6.88E-05	1.92E-04	6.16E-03	2.19E-03	6.74E-09	9.17E-07	5.25E-06	2.20E-03
94	486683.18	3855743.15	4.72E-03	8.13E-09	9.64E-07	5.16E-06	4.73E-03	2.24E-03	3.58E-03	7.23E-05	1.89E-04	6.09E-03	2.14E-03	6.72E-09	9.64E-07	5.16E-06	2.14E-03
95	486733.18	3855743.15	4.57E-03	8.05E-09	1.01E-06	5.07E-06	4.58E-03	2.17E-03	3.55E-03	7.58E-05	1.86E-04	5.98E-03	2.07E-03	6.65E-09	1.01E-06	5.07E-06	2.07E-03
96	486783.18	3855743.15	4.53E-03	8.10E-09	1.03E-06	4.99E-06	4.53E-03	2.15E-03	3.57E-03	7.69E-05	1.83E-04	5.98E-03	2.05E-03	6.69E-09	1.03E-06	4.99E-06	2.05E-03
97	486533.18	3855793.15	5.83E-03	9.04E-09	8.01E-07	5.60E-06	5.84E-03	2.77E-03	3.98E-03	6.01E-05	2.05E-04	7.02E-03	2.64E-03	7.47E-09	8.01E-07	5.60E-06	2.64E-03
98	486583.18	3855793.15	5.38E-03	8.69E-09	8.48E-07	5.51E-06	5.38E-03	2.56E-03	3.83E-03	6.36E-05	2.02E-04	6.65E-03	2.43E-03	7.18E-09	8.48E-07	5.51E-06	2.44E-03
99	486633.18	3855793.15	5.23E-03	8.64E-09	8.90E-07	5.41E-06	5.23E-03	2.48E-03	3.81E-03	6.67E-05	1.98E-04	6.56E-03	2.36E-03	7.14E-09	8.90E-07	5.41E-06	2.37E-03
100	486683.18	3855793.15	5.09E-03	8.61E-09	9.36E-07	5.31E-06	5.10E-03	2.42E-03	3.79E-03	7.02E-05	1.95E-04	6.48E-03	2.30E-03	7.11E-09	9.36E-07	5.31E-06	2.31E-03
101	486733.18	3855793.15	4.94E-03	8.54E-09	9.84E-07	5.21E-06	4.95E-03	2.35E-03	3.76E-03	7.38E-05	1.91E-04	6.38E-03	2.24E-03	7.05E-09	9.84E-07	5.21E-06	2.24E-03
102	486783.18	3855793.15	4.82E-03	8.50E-09	1.02E-06	5.12E-06	4.82E-03	2.29E-03	3.74E-03	7.65E-05	1.88E-04	6.30E-03	2.18E-03	7.02E-09	1.02E-06	5.12E-06	2.19E-03
103	486533.18	3855843.15	6.18E-03	9.44E-09	8.05E-07	5.77E-06	6.18E-03	2.94E-03	4.16E-03	6.04E-05	2.12E-04	7.37E-03	2.79E-03	7.80E-09	8.05E-07	5.77E-06	2.80E-03
104	486583.18	3855843.15	5.77E-03	9.16E-09	8.37E-07	5.67E-06	5.78E-03	2.74E-03	4.03E-03	6.28E-05	2.08E-04	7.05E-03	2.61E-03	7.56E-09	8.37E-07	5.67E-06	2.62E-03
105	486633.18	3855843.15	5.60E-03	9.11E-09	8.70E-07	5.55E-06	5.61E-03	2.66E-03	4.01E-03	6.53E-05	2.03E-04	6.94E-03	2.54E-03	7.52E-09	8.70E-07	5.55E-06	2.54E-03
106	486683.18	3855843.15	5.45E-03	9.06E-09	9.13E-07	5.44E-06	5.46E-03	2.59E-03	3.99E-03	6.85E-05	1.99E-04	6.85E-03	2.47E-03	7.49E-09	9.13E-07	5.44E-06	2.47E-03
107	486733.18	3855843.15	5.31E-03	9.02E-09	9.59E-07	5.33E-06	5.31E-03	2.52E-03	3.97E-03	7.19E-05	1.95E-04	6.76E-03	2.40E-03	7.45E-09	9.59E-07	5.33E-06	2.41E-03
108	486783.18	3855843.15	5.15E-03	8.96E-09	1.00E-06	5.22E-06	5.16E-03	2.45E-03	3.95E-03	7.52E-05	1.92E-04	6.66E-03	2.33E-03	7.40E-09	1.00E-06	5.22E-06	2.34E-03
109	486533.18	3855893.15	6.44E-03	9.75E-09	8.21E-07	5.92E-06	6.45E-03	3.06E-03	4.30E-03	6.16E-05	2.17E-04	7.64E-03	2.91E-03	8.06E-09	8.21E-07	5.92E-06	2.92E-03
110	486583.18	3855893.15	6.22E-03	9.68E-09	8.32E-07	5.79E-06	6.23E-03	2.96E-03	4.26E-03	6.24E-05	2.12E-04	7.49E-03	2.81E-03	7.99E-09	8.32E-07	5.79E-06	2.82E-03
111	486633.18	3855893.15	6.01E-03	9.59E-09	8.57E-07	5.66E-06	6.01E-03	2.86E-03	4.22E-03	6.43E-05	2.08E-04	7.35E-03	2.72E-03	7.92E-09	8.57E-07	5.66E-06	2.72E-03
112	486683.18	3855893.15	5.83E-03	9.54E-09	8.94E-07	5.54E-06	5.84E-03	2.77E-03	4.20E-03	6.70E-05	2.03E-04	7.24E-03	2.64E-03	7.88E-09	8.94E-07	5.54E-06	2.64E-03
113	486733.18	3855893.15	5.66E-03	9.49E-09	9.39E-07	5.42E-06	5.67E-03	2.69E-03	4.18E-03	7.04E-05	1.99E-04	7.14E-03	2.56E-03	7.84E-09	9.39E-07	5.42E-06	2.57E-03
114	486783.18	3855893.15	5.52E-03	9.46E-09	9.81E-07	5.30E-06	5.53E-03	2.63E-03	4.17E-03	7.35E-05	1.94E-04	7.06E-03	2.50E-03	7.81E-09	9.81E-07	5.30E-06	2.51E-03
115	486533.18	3855943.15	6.88E-03	1.02E-08	8.34E-07	6.03E-06	6.88E-03	3.27E-03	4.50E-03	6.26E-05	2.21E-04	8.06E-03	3.11E-03	8.45E-09	8.34E-07	6.03E-06	3.12E-03
116	486583.18	3855943.15	6.71E-03	1.02E-08	8.35E-07	5.88E-06	6.71E-03	3.19E-03	4.50E-03	6.26E-05	2.16E-04	7.97E-03	3.03E-03	8.44E-09	8.35E-07	5.88E-06	3.04E-03
117	486633.18	3855943.15	6.44E-03	1.01E-08	8.52E-07	5.74E-06	6.44E-03	3.06E-03	4.45E-03	6.39E-05	2.11E-04	7.78E-03	2.91E-03	8.34E-09	8.52E-07	5.74E-06	2.92E-03
118	486683.18	3855943.15	6.26E-03	1.01E-08	8.79E-07	5.61E-06	6.27E-03	2.98E-03	4.43E-03	6.59E-05	2.06E-04	7.68E-03	2.83E-03	8.31E-09	8.79E-07	5.61E-06	2.84E-03

119	486733.18	3855943.15	6.05E-03	9.98E-09	9.19E-07	5.48E-06	6.05E-03	2.87E-03	4.39E-03	6.90E-05	2.01E-04	7.54E-03	2.74E-03	8.24E-09	9.19E-07	5.48E-06	2.74E-03
120	486783.18	3855943.15	5.90E-03	9.95E-09	9.61E-07	5.36E-06	5.90E-03	2.80E-03	4.38E-03	7.21E-05	1.97E-04	7.46E-03	2.67E-03	8.22E-09	9.61E-07	5.36E-06	2.67E-03
121	486533.18	3855993.15	7.43E-03	1.08E-08	8.48E-07	6.10E-06	7.43E-03	3.53E-03	4.75E-03	6.36E-05	2.24E-04	8.57E-03	3.36E-03	8.91E-09	8.48E-07	6.10E-06	3.37E-03
122	486583.18	3855993.15	7.16E-03	1.07E-08	8.46E-07	5.94E-06	7.17E-03	3.41E-03	4.72E-03	6.35E-05	2.18E-04	8.40E-03	3.24E-03	8.85E-09	8.46E-07	5.94E-06	3.25E-03
123	486633.18	3855993.15	6.90E-03	1.06E-08	8.54E-07	5.80E-06	6.91E-03	3.28E-03	4.68E-03	6.40E-05	2.13E-04	8.24E-03	3.12E-03	8.78E-09	8.54E-07	5.80E-06	3.13E-03
124	486683.18	3855993.15	6.70E-03	1.06E-08	8.72E-07	5.66E-06	6.70E-03	3.18E-03	4.66E-03	6.54E-05	2.07E-04	8.12E-03	3.03E-03	8.74E-09	8.72E-07	5.66E-06	3.04E-03
125	486733.18	3855993.15	6.47E-03	1.05E-08	9.05E-07	5.52E-06	6.47E-03	3.08E-03	4.62E-03	6.79E-05	2.03E-04	7.97E-03	2.93E-03	8.67E-09	9.05E-07	5.52E-06	2.93E-03
126	486783.18	3855993.15	6.27E-03	1.04E-08	9.45E-07	5.39E-06	6.28E-03	2.98E-03	4.60E-03	7.09E-05	1.98E-04	7.85E-03	2.84E-03	8.62E-09	9.45E-07	5.39E-06	2.84E-03
127	486533.18	3856043.15	8.00E-03	1.13E-08	8.62E-07	6.14E-06	8.01E-03	3.80E-03	4.99E-03	6.46E-05	2.25E-04	9.09E-03	3.62E-03	9.36E-09	8.62E-07	6.14E-06	3.63E-03
128	486583.18	3856043.15	7.73E-03	1.13E-08	8.59E-07	5.98E-06	7.73E-03	3.67E-03	4.97E-03	6.44E-05	2.19E-04	8.93E-03	3.50E-03	9.32E-09	8.59E-07	5.98E-06	3.50E-03
129	486633.18	3856043.15	7.40E-03	1.12E-08	8.63E-07	5.83E-06	7.41E-03	3.52E-03	4.92E-03	6.47E-05	2.14E-04	8.71E-03	3.35E-03	9.22E-09	8.63E-07	5.83E-06	3.36E-03
130	486683.18	3856043.15	7.18E-03	1.11E-08	8.72E-07	5.68E-06	7.19E-03	3.41E-03	4.90E-03	6.54E-05	2.08E-04	8.59E-03	3.25E-03	9.19E-09	8.72E-07	5.68E-06	3.25E-03
131	486733.18	3856043.15	6.90E-03	1.10E-08	8.97E-07	5.54E-06	6.91E-03	3.28E-03	4.85E-03	6.73E-05	2.03E-04	8.40E-03	3.12E-03	9.10E-09	8.97E-07	5.54E-06	3.13E-03
132	486783.18	3856043.15	6.72E-03	1.10E-08	9.30E-07	5.41E-06	6.72E-03	3.19E-03	4.84E-03	6.97E-05	1.98E-04	8.30E-03	3.04E-03	9.08E-09	9.30E-07	5.41E-06	3.04E-03
133	486533.18	3856093.15	8.68E-03	1.20E-08	8.71E-07	6.16E-06	8.69E-03	4.13E-03	5.26E-03	6.53E-05	2.26E-04	9.68E-03	3.93E-03	9.87E-09	8.71E-07	6.16E-06	3.94E-03
134	486583.18	3856093.15	8.31E-03	1.18E-08	8.73E-07	5.99E-06	8.32E-03	3.95E-03	5.22E-03	6.55E-05	2.20E-04	9.45E-03	3.76E-03	9.78E-09	8.73E-07	5.99E-06	3.77E-03
135	486633.18	3856093.15	7.97E-03	1.17E-08	8.75E-07	5.84E-06	7.97E-03	3.79E-03	5.17E-03	6.56E-05	2.14E-04	9.23E-03	3.60E-03	9.69E-09	8.75E-07	5.84E-06	3.61E-03
136	486683.18	3856093.15	7.69E-03	1.17E-08	8.79E-07	5.69E-06	7.69E-03	3.65E-03	5.14E-03	6.60E-05	2.08E-04	9.07E-03	3.48E-03	9.64E-09	8.79E-07	5.69E-06	3.48E-03
137	486733.18	3856093.15	7.39E-03	1.16E-08	8.96E-07	5.54E-06	7.40E-03	3.52E-03	5.09E-03	6.72E-05	2.03E-04	8.88E-03	3.34E-03	9.55E-09	8.96E-07	5.54E-06	3.35E-03
138	486783.18	3856093.15	7.15E-03	1.15E-08	9.21E-07	5.41E-06	7.16E-03	3.40E-03	5.07E-03	6.91E-05	1.98E-04	8.74E-03	3.24E-03	9.51E-09	9.21E-07	5.41E-06	3.24E-03
139	486533.18	3856143.15	9.40E-03	1.25E-08	8.78E-07	6.16E-06	9.40E-03	4.47E-03	5.52E-03	6.58E-05	2.26E-04	1.03E-02	4.25E-03	1.04E-08	8.78E-07	6.16E-06	4.26E-03
140	486583.18	3856143.15	8.93E-03	1.24E-08	8.88E-07	6.00E-06	8.93E-03	4.24E-03	5.46E-03	6.66E-05	2.20E-04	9.99E-03	4.04E-03	1.02E-08	8.88E-07	6.00E-06	4.05E-03
141	486633.18	3856143.15	8.57E-03	1.23E-08	8.90E-07	5.83E-06	8.58E-03	4.08E-03	5.42E-03	6.67E-05	2.14E-04	9.78E-03	3.88E-03	1.02E-08	8.90E-07	5.83E-06	3.89E-03
142	486683.18	3856143.15	8.23E-03	1.22E-08	8.92E-07	5.68E-06	8.24E-03	3.91E-03	5.38E-03	6.69E-05	2.08E-04	9.57E-03	3.72E-03	1.01E-08	8.92E-07	5.68E-06	3.73E-03
143	486733.18	3856143.15	7.91E-03	1.21E-08	9.01E-07	5.54E-06	7.92E-03	3.76E-03	5.34E-03	6.76E-05	2.03E-04	9.37E-03	3.58E-03	1.00E-08	9.01E-07	5.54E-06	3.59E-03
144	486783.18	3856143.15	7.68E-03	1.21E-08	9.18E-07	5.40E-06	7.68E-03	3.65E-03	5.33E-03	6.88E-05	1.98E-04	9.25E-03	3.47E-03	1.00E-08	9.18E-07	5.40E-06	3.48E-03
145	486533.18	3856193.15	1.02E-02	1.32E-08	8.78E-07	6.15E-06	1.03E-02	4.87E-03	5.81E-03	6.58E-05	2.26E-04	1.10E-02	4.63E-03	1.09E-08	8.78E-07	6.15E-06	4.64E-03
146	486583.18	3856193.15	9.66E-03	1.30E-08	8.96E-07	5.98E-06	9.66E-03	4.59E-03	5.72E-03	6.72E-05	2.19E-04	1.06E-02	4.37E-03	1.07E-08	8.96E-07	5.98E-06	4.38E-03
147	486633.18	3856193.15	9.24E-03	1.29E-08	9.04E-07	5.82E-06	9.24E-03	4.39E-03	5.68E-03	6.78E-05	2.13E-04	1.04E-02	4.18E-03	1.07E-08	9.04E-07	5.82E-06	4.19E-03
148	486683.18	3856193.15	8.90E-03	1.29E-08	9.05E-07	5.66E-06	8.90E-03	4.23E-03	5.66E-03	6.79E-05	2.08E-04	1.02E-02	4.02E-03	1.06E-08	9.05E-07	5.66E-06	4.03E-03
149	486733.18	3856193.15	8.50E-03	1.27E-08	9.12E-07	5.52E-06	8.51E-03	4.04E-03	5.60E-03	6.84E-05	2.02E-04	9.92E-03	3.85E-03	1.05E-08	9.12E-07	5.52E-06	3.85E-03
150	486783.18	3856193.15	8.22E-03	1.27E-08	9.22E-07	5.37E-06	8.23E-03	3.91E-03	5.59E-03	6.91E-05	1.97E-04	9.77E-03	3.72E-03	1.05E-08	9.22E-07	5.37E-06	3.73E-03
151	486533.18	3856243.15	1.12E-02	1.38E-08	8.75E-07	6.14E-06	1.12E-02	5.31E-03	6.08E-03	6.56E-05	2.25E-04	1.17E-02	5.05E-03	1.14E-08	8.75E-07	6.14E-06	5.06E-03
152	486583.18	3856243.15	1.05E-02	1.37E-08	8.98E-07	5.96E-06	1.06E-02	5.01E-03	6.01E-03	6.74E-05	2.19E-04	1.13E-02	4.77E-03	1.13E-08	8.98E-07	5.96E-06	4.78E-03
153	486633.18	3856243.15	1.00E-02	1.35E-08	9.13E-07	5.79E-06	1.00E-02	4.76E-03	5.95E-03	6.85E-05	2.12E-04	1.10E-02	4.53E-03	1.12E-08	9.13E-07	5.79E-06	4.54E-03
154	486683.18	3856243.15	9.56E-03	1.34E-08	9.21E-07	5.64E-06	9.57E-03	4.55E-03	5.91E-03	6.91E-05	2.07E-04	1.07E-02	4.33E-03	1.11E-08	9.21E-07	5.64E-06	4.33E-03
155	486733.18	3856243.15	9.18E-03	1.34E-08	9.24E-07	5.48E-06	9.19E-03	4.36E-03	5.89E-03	6.93E-05	2.01E-04	1.05E-02	4.15E-03	1.10E-08	9.24E-07	5.48E-06	4.16E-03
156	486783.18	3856243.15	8.79E-03	1.33E-08	9.33E-07	5.34E-06	8.80E-03	4.18E-03	5.84E-03	7.00E-05	1.96E-04	1.03E-02	3.98E-03	1.10E-08	9.33E-07	5.34E-06	3.98E-03
157	486533.18	3856293.15	1.23E-02	1.45E-08	8.68E-07	6.10E-06	1.23E-02	5.84E-03	6.38E-03	6.51E-05	2.24E-04	1.25E-02	5.56E-03	1.20E-08	8.68E-07	6.10E-06	5.56E-03
158	486583.18	3856293.15	1.15E-02	1.43E-08	8.96E-07	5.92E-06	1.15E-02	5.48E-03	6.30E-03	6.72E-05	2.17E-04	1.21E-02	5.21E-03	1.18E-08	8.96E-07	5.92E-06	5.22E-03
159	486633.18	3856293.15	1.09E-02	1.42E-08	9.19E-07	5.75E-06	1.09E-02	5.18E-03	6.24E-03	6.89E-05	2.11E-04	1.17E-02	4.93E-03	1.17E-08	9.19E-07	5.75E-06	4.93E-03
160	486683.18	3856293.15	1.03E-02	1.40E-08	9.32E-07	5.59E-06	1.04E-02	4.92E-03	6.19E-03	6.99E-05	2.05E-04	1.14E-02	4.68E-03	1.16E-08	9.32E-07	5.59E-06	4.69E-03
161	486733.18	3856293.15	9.91E-03	1.40E-08	9.39E-07	5.43E-06	9.92E-03	4.71E-03	6.16E-03	7.04E-05	1.99E-04	1.11E-02	4.48E-03	1.16E-08	9.39E-07	5.43E-06	4.49E-03
162	486783.18	3856293.15	9.45E-03	1.39E-08	9.47E-07	5.29E-06	9.46E-03	4.49E-03	6.11E-03	7.10E-05	1.94E-04	1.09E-02	4.28E-03	1.15E-08	9.47E-07	5.29E-06	4.28E-03
163	486783.18	3856343.15	1.02E-02	1.46E-08	9.60E-07	5.22E-06	1.02E-02	4.87E-03	6.41E-03	7.20E-05	1.91E-04	1.15E-02	4.63E-03	1.20E-08	9.60E-07	5.22E-06	4.64E-03
164	486833.18	3856343.15	9.76E-03	1.45E-08	9.70E-07	5.08E-06	9.77E-03	4.64E-03	6.37E-03	7.27E-05	1.86E-04	1.13E-02	4.42E-03	1.19E-08	9.70E-07	5.08E-06	4.42E-03
165	486883.18	3856343.15	9.33E-03	1.44E-08	9.85E-07	4.94E-06	9.33E-03	4.44E-03	6.33E-03	7.39E-05	1.81E-04	1.10E-02	4.22E-03	1.19E-08	9.85E-07	4.94E-06	4.23E-03
166	486783.18	3856393.15	1.10E-02	1.52E-08	9.76E-07	5.13E-06	1.10E-02	5.25E-03	6.67E-03	7.32E-05	1.88E-04	1.22E-02	5.00E-03	1.25E-08	9.76E-07	5.13E-06	5.00E-03
167	486833.18	3856393.15	1.05E-02	1.51E-08	9.87E-07	4.98E-06	1.05E-02	4.99E-03	6.63E-03	7.40E-05	1.83E-04	1.19E-02	4.75E-03	1.24E-08	9.87E-07	4.98E-06	4.75E-03
168	486883.18	3856393.15	9.96E-03	1.49E-08	1.00E-06	4.85E-06	9.97E-03	4.74E-03	6.56E-03	7.51E-05	1.78E-04	1.16E-02	4.51E-03	1.23E-08	1.00E-06	4.85E-06	4.51E-03
169	487208.74	3856886.11	1.40E-02	1.95E-08	1.43E-06	2.97E-06	1.40E-02	6.64E-03	8.57E-03	1.07E-04	1.09E-04	1.54E-02	6.32E-03	1.61E-08	1.43E-06	2.97E-06	6.32E-03
170	487258.74	3856886.11	1.28E-02	1.92E-08	1.48E-06	2.93E-06	1.28E-02	6.09E-03	8.45E-03	1.11E-04	1.08E-04	1.48E-02	5.80E-03	1.59E-08	1.48E-06	2.93E-06	5.80E-03
171	487308.74	3856886.11	1.18E-02	1.90E-08	1.54E-06	2.90E-06	1.18E-02	5.61E-03	8.35E-03	1.16E-04	1.06E-04	1.42E-02	5.34E-03	1.57E-08	1.54E-06	2.90E-06	5.35E-03
172	487358.74	3856886.11	1.09E-02	1.87E-08	1.61E-06	2.87E-06	1.09E-02	5.20E-03	8.23E-03	1.21E-04	1.05E-04	1.37E-02	4.95E-03	1.54E-08	1.61E-06	2.87E-06	4.95E-03
173	487208.74	3856936.11	1.51E-02	2.00E-08	1.47E-06	2.87E-06	1.51E-02	7.16E-03	8.80E-03	1.11E-04	1.05E-04	1.62E-02	6.81E-03	1.65E-08	1.47E-06	2.87E-06	6.82E-03
174	487258.74	3856936.11	1.36E-02	1.97E-08	1.52E-06	2.83E-06	1.36E-02	6.46E-03	8.68E-03	1.14E-04	1.04E-04	1.54E-02	6.15E-03	1.63E-08	1.52E-06	2.83E-06	6.15E-03
175	487308.74	3856936.11	1.23E-02	1.95E-08	1.58E-06	2.80E-06	1.23E-02	5.86E-03	8.57E-03	1.19E-04	1.03E-04	1.47E-02	5.58E-03	1.61E-08	1.58E-06	2.80E-06	5.58E-03
176	487358.74	3856936.11	1.13E-02	1.92E-08	1.65E-06	2.77E-06	1.13E-02	5.36E-03	8.45E-03	1.24E-04	1.02E-04	1.40E-02	5.10E-03	1.59E-08	1.65E-06	2.77E-06	5.10E-03
177	487208.74	3856986.11	1.60E-02	2.05E-08	1.52E-06	2.77E-06	1.60E-02	7.61E-03	9.02E-03	1.14E-04	1.01E-04	1.68E-02	7.24E-03	1.69E-08	1.52E-06	2.77E-06	7.25E-03
178	487258.74	3856986.11	1.41E-02	2.02E-08	1.57E-06	2.74E-06	1.41E-02	6.69E-03	8.92E-03	1.18E-04	1.00E-04	1.58E-02	6.36E-03	1.67E-08	1.57E-06	2.74E-06	6.37E-03
179	487308.74	3856986.11	1.26E-02	1.99E-08	1.63E-06	2.71E-06	1.26E-02	5.97E-03	8.78E-03	1.22E-04	9.94E-05	1.50E-02	5.68E-03	1.65E-08	1.63E-06	2.71E-06	5.68E-03

180	487358.74	3856986.11	1.13E-02	1.97E-08	1.70E-06	2.68E-06	1.13E-02	5.37E-03	8.68E-03	1.28E-04	9.84E-05	1.43E-02	5.11E-03	1.63E-08	1.70E-06	2.68E-06	5.12E-03
181	487208.74	3857036.11	1.60E-02	2.09E-08	1.58E-06	2.67E-06	1.60E-02	7.59E-03	9.22E-03	1.18E-04	9.80E-05	1.70E-02	7.22E-03	1.73E-08	1.58E-06	2.67E-06	7.23E-03
182	487258.74	3857036.11	1.38E-02	2.07E-08	1.63E-06	2.65E-06	1.38E-02	6.55E-03	9.10E-03	1.22E-04	9.71E-05	1.59E-02	6.23E-03	1.71E-08	1.63E-06	2.65E-06	6.23E-03
183	487308.74	3857036.11	1.21E-02	2.04E-08	1.69E-06	2.62E-06	1.21E-02	5.76E-03	9.01E-03	1.27E-04	9.62E-05	1.50E-02	5.48E-03	1.69E-08	1.69E-06	2.62E-06	5.48E-03
184	487358.74	3857036.11	1.08E-02	2.02E-08	1.76E-06	2.60E-06	1.08E-02	5.15E-03	8.89E-03	1.32E-04	9.54E-05	1.43E-02	4.90E-03	1.67E-08	1.76E-06	2.60E-06	4.91E-03
185	487427.14	3856878.23	9.85E-03	1.84E-08	1.72E-06	2.84E-06	9.85E-03	4.68E-03	8.09E-03	1.29E-04	1.04E-04	1.30E-02	4.45E-03	1.52E-08	1.72E-06	2.84E-06	4.46E-03
186	487477.14	3856878.23	9.20E-03	1.82E-08	1.80E-06	2.81E-06	9.20E-03	4.37E-03	8.00E-03	1.35E-04	1.03E-04	1.26E-02	4.16E-03	1.50E-08	1.80E-06	2.81E-06	4.17E-03
187	487527.14	3856878.23	8.62E-03	1.79E-08	1.89E-06	2.78E-06	8.62E-03	4.10E-03	7.90E-03	1.42E-04	1.02E-04	1.22E-02	3.90E-03	1.48E-08	1.89E-06	2.78E-06	3.90E-03
188	487427.14	3856928.23	1.00E-02	1.88E-08	1.76E-06	2.75E-06	1.00E-02	4.77E-03	8.30E-03	1.32E-04	1.01E-04	1.33E-02	4.54E-03	1.56E-08	1.76E-06	2.75E-06	4.55E-03
189	487477.14	3856928.23	9.31E-03	1.86E-08	1.85E-06	2.72E-06	9.31E-03	4.43E-03	8.18E-03	1.39E-04	9.98E-05	1.28E-02	4.21E-03	1.53E-08	1.85E-06	2.72E-06	4.22E-03
190	487527.14	3856928.23	8.66E-03	1.84E-08	1.95E-06	2.70E-06	8.67E-03	4.12E-03	8.09E-03	1.46E-04	9.89E-05	1.25E-02	3.92E-03	1.52E-08	1.95E-06	2.70E-06	3.92E-03
191	487577.14	3856928.23	8.09E-03	1.82E-08	2.05E-06	2.67E-06	8.10E-03	3.85E-03	8.00E-03	1.54E-04	9.79E-05	1.21E-02	3.66E-03	1.50E-08	2.05E-06	2.67E-06	3.66E-03
192	487627.14	3856928.23	7.59E-03	1.79E-08	2.16E-06	2.65E-06	7.60E-03	3.61E-03	7.89E-03	1.62E-04	9.71E-05	1.18E-02	3.43E-03	1.48E-08	2.16E-06	2.65E-06	3.44E-03
193	487677.14	3856928.23	7.14E-03	1.77E-08	2.29E-06	2.63E-06	7.14E-03	3.39E-03	7.82E-03	1.71E-04	9.63E-05	1.15E-02	3.23E-03	1.47E-08	2.29E-06	2.63E-06	3.23E-03
194	487727.14	3856928.23	6.73E-03	1.76E-08	2.41E-06	2.60E-06	6.73E-03	3.20E-03	7.75E-03	1.81E-04	9.55E-05	1.12E-02	3.04E-03	1.45E-08	2.41E-06	2.60E-06	3.05E-03
195	487777.14	3856928.23	6.37E-03	1.74E-08	2.50E-06	2.59E-06	6.37E-03	3.03E-03	7.67E-03	1.88E-04	9.48E-05	1.10E-02	2.88E-03	1.44E-08	2.50E-06	2.59E-06	2.88E-03
196	487427.14	3856978.23	1.00E-02	1.93E-08	1.81E-06	2.67E-06	1.00E-02	4.75E-03	8.48E-03	1.36E-04	9.78E-05	1.35E-02	4.52E-03	1.59E-08	1.81E-06	2.67E-06	4.53E-03
197	487477.14	3856978.23	9.20E-03	1.90E-08	1.91E-06	2.64E-06	9.20E-03	4.37E-03	8.39E-03	1.43E-04	9.69E-05	1.30E-02	4.16E-03	1.57E-08	1.91E-06	2.64E-06	4.16E-03
198	487527.14	3856978.23	8.51E-03	1.88E-08	2.01E-06	2.62E-06	8.52E-03	4.05E-03	8.29E-03	1.51E-04	9.61E-05	1.26E-02	3.85E-03	1.55E-08	2.01E-06	2.62E-06	3.85E-03
199	487577.14	3856978.23	7.92E-03	1.86E-08	2.12E-06	2.60E-06	7.92E-03	3.77E-03	8.19E-03	1.59E-04	9.53E-05	1.22E-02	3.58E-03	1.54E-08	2.12E-06	2.60E-06	3.59E-03
200	487627.14	3856978.23	7.41E-03	1.83E-08	2.24E-06	2.58E-06	7.41E-03	3.52E-03	8.07E-03	1.68E-04	9.47E-05	1.19E-02	3.35E-03	1.51E-08	2.24E-06	2.58E-06	3.36E-03
201	487677.14	3856978.23	6.95E-03	1.81E-08	2.36E-06	2.57E-06	6.95E-03	3.30E-03	7.99E-03	1.77E-04	9.41E-05	1.16E-02	3.14E-03	1.50E-08	2.36E-06	2.57E-06	3.15E-03
202	487727.14	3856978.23	6.56E-03	1.78E-08	2.50E-06	2.55E-06	6.56E-03	3.12E-03	7.85E-03	1.87E-04	9.36E-05	1.12E-02	2.97E-03	1.47E-08	2.50E-06	2.55E-06	2.97E-03
203	487777.14	3856978.23	6.17E-03	1.78E-08	2.61E-06	2.54E-06	6.18E-03	2.93E-03	7.86E-03	1.96E-04	9.30E-05	1.11E-02	2.79E-03	1.47E-08	2.61E-06	2.54E-06	2.80E-03
204	487427.14	3857028.23	9.59E-03	1.98E-08	1.86E-06	2.59E-06	9.60E-03	4.56E-03	8.70E-03	1.40E-04	9.49E-05	1.35E-02	4.34E-03	1.63E-08	1.86E-06	2.59E-06	4.34E-03
205	487477.14	3857028.23	8.80E-03	1.95E-08	1.97E-06	2.57E-06	8.80E-03	4.18E-03	8.59E-03	1.47E-04	9.42E-05	1.30E-02	3.98E-03	1.61E-08	1.97E-06	2.57E-06	3.99E-03
206	487527.14	3857028.23	8.13E-03	1.92E-08	2.08E-06	2.55E-06	8.14E-03	3.87E-03	8.47E-03	1.56E-04	9.36E-05	1.26E-02	3.68E-03	1.59E-08	2.08E-06	2.55E-06	3.68E-03
207	487577.14	3857028.23	7.56E-03	1.90E-08	2.20E-06	2.54E-06	7.56E-03	3.59E-03	8.37E-03	1.65E-04	9.30E-05	1.22E-02	3.42E-03	1.57E-08	2.20E-06	2.54E-06	3.42E-03
208	487627.14	3857028.23	7.07E-03	1.87E-08	2.32E-06	2.52E-06	7.07E-03	3.36E-03	8.24E-03	1.74E-04	9.26E-05	1.19E-02	3.20E-03	1.55E-08	2.32E-06	2.52E-06	3.20E-03
209	487677.14	3857028.23	6.63E-03	1.85E-08	2.45E-06	2.51E-06	6.63E-03	3.15E-03	8.15E-03	1.84E-04	9.22E-05	1.16E-02	3.00E-03	1.53E-08	2.45E-06	2.51E-06	3.00E-03
210	487727.14	3857028.23	6.23E-03	1.84E-08	2.59E-06	2.50E-06	6.24E-03	2.96E-03	8.09E-03	1.95E-04	9.18E-05	1.13E-02	2.82E-03	1.52E-08	2.59E-06	2.50E-06	2.83E-03
211	487777.14	3857028.23	5.89E-03	1.82E-08	2.72E-06	2.49E-06	5.89E-03	2.80E-03	8.02E-03	2.04E-04	9.14E-05	1.11E-02	2.66E-03	1.50E-08	2.72E-06	2.49E-06	2.67E-03
212	487427.14	3857078.23	8.83E-03	2.02E-08	1.93E-06	2.52E-06	8.83E-03	4.20E-03	8.90E-03	1.45E-04	9.23E-05	1.33E-02	3.99E-03	1.67E-08	1.93E-06	2.52E-06	4.00E-03
213	487477.14	3857078.23	8.13E-03	1.99E-08	2.03E-06	2.50E-06	8.13E-03	3.86E-03	8.77E-03	1.52E-04	9.18E-05	1.29E-02	3.68E-03	1.64E-08	2.03E-06	2.50E-06	3.68E-03
214	487527.14	3857078.23	7.53E-03	1.97E-08	2.15E-06	2.49E-06	7.53E-03	3.58E-03	8.66E-03	1.61E-04	9.13E-05	1.25E-02	3.41E-03	1.62E-08	2.15E-06	2.49E-06	3.41E-03
215	487577.14	3857078.23	7.02E-03	1.94E-08	2.28E-06	2.48E-06	7.02E-03	3.34E-03	8.55E-03	1.71E-04	9.10E-05	1.21E-02	3.17E-03	1.60E-08	2.28E-06	2.48E-06	3.18E-03
216	487627.14	3857078.23	6.58E-03	1.91E-08	2.41E-06	2.47E-06	6.58E-03	3.13E-03	8.43E-03	1.81E-04	9.07E-05	1.18E-02	2.98E-03	1.58E-08	2.41E-06	2.47E-06	2.98E-03
217	487677.14	3857078.23	6.19E-03	1.89E-08	2.55E-06	2.47E-06	6.19E-03	2.94E-03	8.33E-03	1.92E-04	9.06E-05	1.16E-02	2.80E-03	1.56E-08	2.55E-06	2.47E-06	2.80E-03
218	487727.14	3857078.23	5.83E-03	1.87E-08	2.71E-06	2.46E-06	5.84E-03	2.77E-03	8.25E-03	2.03E-04	9.03E-05	1.13E-02	2.64E-03	1.55E-08	2.71E-06	2.46E-06	2.64E-03
219	487777.14	3857078.23	5.53E-03	1.85E-08	2.86E-06	2.46E-06	5.53E-03	2.63E-03	8.16E-03	2.14E-04	9.01E-05	1.11E-02	2.50E-03	1.53E-08	2.86E-06	2.46E-06	2.51E-03
220	487427.14	3857128.23	7.80E-03	2.06E-08	2.00E-06	2.45E-06	7.80E-03	3.71E-03	9.09E-03	1.50E-04	9.00E-05	1.30E-02	3.53E-03	1.70E-08	2.00E-06	2.45E-06	3.53E-03
221	487477.14	3857128.23	7.25E-03	2.03E-08	2.11E-06	2.45E-06	7.25E-03	3.45E-03	8.95E-03	1.58E-04	8.97E-05	1.26E-02	3.28E-03	1.68E-08	2.11E-06	2.45E-06	3.28E-03
222	487527.14	3857128.23	6.78E-03	2.00E-08	2.23E-06	2.44E-06	6.78E-03	3.22E-03	8.82E-03	1.67E-04	8.95E-05	1.23E-02	3.07E-03	1.65E-08	2.23E-06	2.44E-06	3.07E-03
223	487577.14	3857128.23	6.35E-03	1.98E-08	2.37E-06	2.44E-06	6.36E-03	3.02E-03	8.71E-03	1.78E-04	8.94E-05	1.20E-02	2.87E-03	1.63E-08	2.37E-06	2.44E-06	2.88E-03
224	487627.14	3857128.23	5.98E-03	1.95E-08	2.52E-06	2.44E-06	5.99E-03	2.85E-03	8.61E-03	1.89E-04	8.93E-05	1.17E-02	2.71E-03	1.61E-08	2.52E-06	2.44E-06	2.71E-03
225	487677.14	3857128.23	5.66E-03	1.93E-08	2.67E-06	2.44E-06	5.67E-03	2.69E-03	8.49E-03	2.00E-04	8.93E-05	1.15E-02	2.56E-03	1.59E-08	2.67E-06	2.44E-06	2.57E-03
226	487727.14	3857128.23	5.36E-03	1.91E-08	2.83E-06	2.43E-06	5.37E-03	2.55E-03	8.43E-03	2.13E-04	8.93E-05	1.13E-02	2.43E-03	1.58E-08	2.83E-06	2.43E-06	2.43E-03
227	487777.14	3857128.23	5.10E-03	1.89E-08	3.00E-06	2.43E-06	5.11E-03	2.43E-03	8.32E-03	2.25E-04	8.92E-05	1.11E-02	2.31E-03	1.56E-08	3.00E-06	2.43E-06	2.31E-03
228	488049.44	3856539.39	4.82E-03	1.37E-08	1.49E-06	2.89E-06	4.82E-03	2.29E-03	6.05E-03	1.11E-04	1.06E-04	8.56E-03	2.18E-03	1.13E-08	1.49E-06	2.89E-06	2.18E-03
229	488099.44	3856539.39	4.67E-03	1.36E-08	1.45E-06	2.85E-06	4.68E-03	2.22E-03	5.97E-03	1.08E-04	1.05E-04	8.41E-03	2.11E-03	1.12E-08	1.45E-06	2.85E-06	2.12E-03
230	488149.44	3856539.39	4.53E-03	1.34E-08	1.44E-06	2.82E-06	4.54E-03	2.16E-03	5.91E-03	1.08E-04	1.03E-04	8.28E-03	2.05E-03	1.11E-08	1.44E-06	2.82E-06	2.05E-03
231	488049.44	3856589.39	4.91E-03	1.41E-08	1.55E-06	2.83E-06	4.92E-03	2.34E-03	6.23E-03	1.17E-04	1.04E-04	8.78E-03	2.22E-03	1.17E-08	1.55E-06	2.83E-06	2.23E-03
232	488099.44	3856589.39	4.76E-03	1.40E-08	1.51E-06	2.79E-06	4.76E-03	2.26E-03	6.15E-03	1.13E-04	1.02E-04	8.63E-03	2.15E-03	1.15E-08	1.51E-06	2.79E-06	2.16E-03
233	488149.44	3856589.39	4.61E-03	1.38E-08	1.50E-06	2.76E-06	4.61E-03	2.19E-03	6.08E-03	1.13E-04	1.01E-04	8.48E-03	2.08E-03	1.14E-08	1.50E-06	2.76E-06	2.09E-03
234	488199.44	3856589.39	4.46E-03	1.36E-08	1.52E-06	2.73E-06	4.47E-03	2.12E-03	6.00E-03	1.14E-04	1.00E-04	8.33E-03	2.02E-03	1.12E-08	1.52E-06	2.73E-06	2.02E-03
235	488249.44	3856589.39	4.33E-03	1.36E-08	1.55E-06	2.71E-06	4.33E-03	2.06E-03	5.98E-03	1.16E-04	9.92E-05	8.25E-03	1.96E-03	1.12E-08	1.55E-06	2.71E-06	1.96E-03
236	488049.44	3856639.39	4.99E-03	1.45E-08	1.63E-06	2.77E-06	4.99E-03	2.37E-03	6.39E-03	1.22E-04	1.02E-04	8.99E-03	2.26E-03	1.20E-08	1.63E-06	2.77E-06	2.26E-03
237	488099.44	3856639.39	4.82E-03	1.43E-08	1.59E-06	2.74E-06	4.83E-03	2.29E-03	6.31E-03	1.19E-04	1.00E-04	8.83E-03	2.18E-03	1.18E-08	1.59E-06	2.74E-06	2.19E-03
238	488149.44	3856639.39	4.66E-03	1.42E-08	1.57E-06	2.71E-06	4.67E-03	2.22E-03	6.24E-03	1.18E-04	9.94E-05	8.67E-03	2.11E-03	1.17E-08	1.57E-06	2.71E-06	2.11E-03
239	488199.44	3856639.39	4.51E-03	1.40E-08	1.59E-06	2.68E-06	4.52E-03	2.14E-03	6.18E-03	1.19E-04	9.84E-05	8.55E-03	2.04E-03	1.16E-08	1.59E-06	2.68E-06	2.05E-03
240	488249.44	3856639.39	4.37E-03	1.39E-08	1.62E-06	2.66E-06	4.37E-03	2.08E-03	6.12E-03	1.22E-04	9.75E-05	8.42E-03	1.98E-03	1.15E-08	1.62E-06	2.66E-06	1.98E-03

241	488299.44	3856639.39	4.23E-03	1.38E-08	1.66E-06	2.63E-06	4.23E-03	2.01E-03	6.07E-03	1.25E-04	9.66E-05	8.30E-03	1.91E-03	1.14E-08	1.66E-06	2.63E-06	1.92E-03
242	488349.44	3856639.39	4.10E-03	1.36E-08	1.70E-06	2.61E-06	4.10E-03	1.95E-03	5.99E-03	1.27E-04	9.57E-05	8.17E-03	1.85E-03	1.12E-08	1.70E-06	2.61E-06	1.86E-03
243	488399.44	3856639.39	3.97E-03	1.35E-08	1.74E-06	2.59E-06	3.98E-03	1.89E-03	5.96E-03	1.30E-04	9.48E-05	8.08E-03	1.80E-03	1.12E-08	1.74E-06	2.59E-06	1.80E-03
244	488099.44	3856689.39	4.87E-03	1.47E-08	1.67E-06	2.69E-06	4.87E-03	2.31E-03	6.49E-03	1.25E-04	9.85E-05	9.03E-03	2.20E-03	1.22E-08	1.67E-06	2.69E-06	2.21E-03
245	488149.44	3856689.39	4.70E-03	1.45E-08	1.65E-06	2.66E-06	4.70E-03	2.23E-03	6.40E-03	1.24E-04	9.75E-05	8.86E-03	2.13E-03	1.20E-08	1.65E-06	2.66E-06	2.13E-03
246	488199.44	3856689.39	4.54E-03	1.44E-08	1.67E-06	2.63E-06	4.54E-03	2.16E-03	6.35E-03	1.25E-04	9.66E-05	8.73E-03	2.05E-03	1.19E-08	1.67E-06	2.63E-06	2.06E-03
247	488249.44	3856689.39	4.39E-03	1.42E-08	1.70E-06	2.61E-06	4.39E-03	2.09E-03	6.26E-03	1.28E-04	9.58E-05	8.57E-03	1.99E-03	1.17E-08	1.70E-06	2.61E-06	1.99E-03
248	488299.44	3856689.39	4.24E-03	1.41E-08	1.74E-06	2.59E-06	4.25E-03	2.02E-03	6.22E-03	1.31E-04	9.49E-05	8.47E-03	1.92E-03	1.17E-08	1.74E-06	2.59E-06	1.92E-03
249	488349.44	3856689.39	4.11E-03	1.40E-08	1.78E-06	2.57E-06	4.11E-03	1.95E-03	6.15E-03	1.34E-04	9.41E-05	8.33E-03	1.86E-03	1.15E-08	1.78E-06	2.57E-06	1.86E-03
250	488399.44	3856689.39	3.98E-03	1.37E-08	1.82E-06	2.55E-06	3.99E-03	1.89E-03	6.06E-03	1.37E-04	9.34E-05	8.18E-03	1.80E-03	1.14E-08	1.82E-06	2.55E-06	1.81E-03
251	488099.44	3856739.39	4.89E-03	1.51E-08	1.75E-06	2.63E-06	4.89E-03	2.32E-03	6.67E-03	1.32E-04	9.66E-05	9.22E-03	2.21E-03	1.25E-08	1.75E-06	2.63E-06	2.22E-03
252	488149.44	3856739.39	4.71E-03	1.49E-08	1.74E-06	2.61E-06	4.72E-03	2.24E-03	6.57E-03	1.31E-04	9.58E-05	9.03E-03	2.13E-03	1.23E-08	1.74E-06	2.61E-06	2.14E-03
253	488199.44	3856739.39	4.54E-03	1.48E-08	1.76E-06	2.59E-06	4.55E-03	2.16E-03	6.52E-03	1.32E-04	9.49E-05	8.91E-03	2.06E-03	1.22E-08	1.76E-06	2.59E-06	2.06E-03
254	488249.44	3856739.39	4.39E-03	1.46E-08	1.79E-06	2.57E-06	4.39E-03	2.09E-03	6.43E-03	1.34E-04	9.42E-05	8.75E-03	1.99E-03	1.21E-08	1.79E-06	2.57E-06	1.99E-03
255	488299.44	3856739.39	4.24E-03	1.44E-08	1.83E-06	2.55E-06	4.25E-03	2.02E-03	6.32E-03	1.37E-04	9.34E-05	8.57E-03	1.92E-03	1.19E-08	1.83E-06	2.55E-06	1.92E-03
256	488349.44	3856739.39	4.10E-03	1.43E-08	1.87E-06	2.53E-06	4.10E-03	1.95E-03	6.30E-03	1.41E-04	9.26E-05	8.48E-03	1.85E-03	1.18E-08	1.87E-06	2.53E-06	1.86E-03
257	488399.44	3856739.39	3.96E-03	1.42E-08	1.92E-06	2.50E-06	3.97E-03	1.88E-03	6.27E-03	1.44E-04	9.18E-05	8.39E-03	1.79E-03	1.18E-08	1.92E-06	2.50E-06	1.80E-03
258	487999.44	3856789.39	5.29E-03	1.57E-08	1.99E-06	2.64E-06	5.30E-03	2.52E-03	6.93E-03	1.49E-04	9.66E-05	9.69E-03	2.39E-03	1.30E-08	1.99E-06	2.64E-06	2.40E-03
259	488049.44	3856789.39	5.08E-03	1.56E-08	1.90E-06	2.61E-06	5.09E-03	2.42E-03	6.86E-03	1.43E-04	9.57E-05	9.51E-03	2.30E-03	1.29E-08	1.90E-06	2.61E-06	2.30E-03
260	488099.44	3856789.39	4.88E-03	1.55E-08	1.85E-06	2.59E-06	4.89E-03	2.32E-03	6.81E-03	1.39E-04	9.49E-05	9.37E-03	2.21E-03	1.28E-08	1.85E-06	2.59E-06	2.21E-03
261	488149.44	3856789.39	4.70E-03	1.53E-08	1.84E-06	2.57E-06	4.70E-03	2.23E-03	6.73E-03	1.38E-04	9.41E-05	9.19E-03	2.13E-03	1.26E-08	1.84E-06	2.57E-06	2.13E-03
262	488199.44	3856789.39	4.53E-03	1.51E-08	1.86E-06	2.55E-06	4.53E-03	2.15E-03	6.66E-03	1.39E-04	9.33E-05	9.05E-03	2.05E-03	1.25E-08	1.86E-06	2.55E-06	2.05E-03
263	488249.44	3856789.39	4.37E-03	1.49E-08	1.89E-06	2.53E-06	4.37E-03	2.08E-03	6.58E-03	1.42E-04	9.26E-05	8.89E-03	1.97E-03	1.23E-08	1.89E-06	2.53E-06	1.98E-03
264	488299.44	3856789.39	4.22E-03	1.47E-08	1.93E-06	2.51E-06	4.22E-03	2.00E-03	6.48E-03	1.45E-04	9.19E-05	8.72E-03	1.91E-03	1.22E-08	1.93E-06	2.51E-06	1.91E-03
265	488349.44	3856789.39	4.07E-03	1.47E-08	1.98E-06	2.49E-06	4.07E-03	1.93E-03	6.46E-03	1.48E-04	9.12E-05	8.63E-03	1.84E-03	1.21E-08	1.98E-06	2.49E-06	1.84E-03
266	488399.44	3856789.39	3.93E-03	1.46E-08	2.02E-06	2.47E-06	3.93E-03	1.87E-03	6.42E-03	1.52E-04	9.04E-05	8.53E-03	1.78E-03	1.20E-08	2.02E-06	2.47E-06	1.78E-03
267	487949.44	3856839.39	5.50E-03	1.62E-08	2.21E-06	2.61E-06	5.51E-03	2.62E-03	7.15E-03	1.65E-04	9.56E-05	1.00E-02	2.49E-03	1.34E-08	2.21E-06	2.61E-06	2.49E-03
268	487999.44	3856839.39	5.27E-03	1.61E-08	2.10E-06	2.59E-06	5.27E-03	2.50E-03	7.08E-03	1.58E-04	9.48E-05	9.84E-03	2.38E-03	1.33E-08	2.10E-06	2.59E-06	2.39E-03
269	488049.44	3856839.39	5.05E-03	1.59E-08	2.01E-06	2.56E-06	5.05E-03	2.40E-03	7.01E-03	1.51E-04	9.40E-05	9.65E-03	2.28E-03	1.31E-08	2.01E-06	2.56E-06	2.29E-03
270	488099.44	3856839.39	4.84E-03	1.58E-08	1.96E-06	2.54E-06	4.85E-03	2.30E-03	6.95E-03	1.47E-04	9.32E-05	9.49E-03	2.19E-03	1.30E-08	1.96E-06	2.54E-06	2.20E-03
271	488149.44	3856839.39	4.65E-03	1.56E-08	1.95E-06	2.52E-06	4.66E-03	2.21E-03	6.88E-03	1.46E-04	9.25E-05	9.33E-03	2.11E-03	1.29E-08	1.95E-06	2.52E-06	2.11E-03
272	488199.44	3856839.39	4.48E-03	1.55E-08	1.97E-06	2.50E-06	4.48E-03	2.13E-03	6.82E-03	1.47E-04	9.18E-05	9.18E-03	2.02E-03	1.28E-08	1.97E-06	2.50E-06	2.03E-03
273	487949.44	3856889.39	5.44E-03	1.65E-08	2.34E-06	2.56E-06	5.45E-03	2.59E-03	7.29E-03	1.75E-04	9.39E-05	1.01E-02	2.46E-03	1.37E-08	2.34E-06	2.56E-06	2.47E-03
274	487999.44	3856889.39	5.19E-03	1.64E-08	2.23E-06	2.54E-06	5.20E-03	2.47E-03	7.24E-03	1.68E-04	9.31E-05	9.97E-03	2.35E-03	1.36E-08	2.23E-06	2.54E-06	2.35E-03
275	488049.44	3856889.39	4.98E-03	1.62E-08	2.14E-06	2.52E-06	4.98E-03	2.37E-03	7.14E-03	1.60E-04	9.24E-05	9.76E-03	2.25E-03	1.34E-08	2.14E-06	2.52E-06	2.26E-03
276	488099.44	3856889.39	4.77E-03	1.61E-08	2.08E-06	2.50E-06	4.77E-03	2.27E-03	7.09E-03	1.56E-04	9.18E-05	9.61E-03	2.16E-03	1.33E-08	2.08E-06	2.50E-06	2.16E-03
277	488635.86	3857895.05	1.04E-03	2.41E-08	1.62E-04	3.82E-06	1.20E-03	4.94E-04	1.06E-02	1.21E-02	1.40E-04	2.34E-02	4.70E-04	1.99E-08	1.62E-04	3.82E-06	6.36E-04
278	489137.64	3857804.15	1.12E-03	2.04E-08	6.31E-05	3.32E-06	1.19E-03	5.34E-04	8.98E-03	4.73E-03	1.22E-04	1.44E-02	5.08E-04	1.68E-08	6.31E-05	3.32E-06	5.75E-04
279	488617.32	3857859.41	1.09E-03	2.36E-08	1.57E-04	3.68E-06	1.25E-03	5.19E-04	1.04E-02	1.18E-02	1.35E-04	2.29E-02	4.94E-04	1.95E-08	1.57E-04	3.68E-06	6.55E-04
280	488667.32	3857859.41	1.09E-03	2.33E-08	1.43E-04	3.66E-06	1.24E-03	5.19E-04	1.03E-02	1.07E-02	1.34E-04	2.16E-02	4.94E-04	1.92E-08	1.43E-04	3.66E-06	6.41E-04
281	488717.32	3857859.41	1.09E-03	2.30E-08	1.30E-04	3.64E-06	1.22E-03	5.19E-04	1.01E-02	9.74E-03	1.34E-04	2.05E-02	4.94E-04	1.90E-08	1.30E-04	3.64E-06	6.27E-04
282	488767.32	3857859.41	1.09E-03	2.28E-08	1.18E-04	3.63E-06	1.21E-03	5.17E-04	1.00E-02	8.87E-03	1.33E-04	1.96E-02	4.92E-04	1.88E-08	1.18E-04	3.63E-06	6.14E-04
283	488617.32	3857909.41	1.02E-03	2.44E-08	1.71E-04	3.89E-06	1.19E-03	4.84E-04	1.08E-02	1.28E-02	1.42E-04	2.42E-02	4.61E-04	2.02E-08	1.71E-04	3.89E-06	6.36E-04
284	488667.32	3857909.41	1.02E-03	2.42E-08	1.52E-04	3.86E-06	1.17E-03	4.84E-04	1.07E-02	1.14E-02	1.42E-04	2.27E-02	4.60E-04	2.00E-08	1.52E-04	3.86E-06	6.16E-04
285	488717.32	3857909.41	1.02E-03	2.38E-08	1.35E-04	3.84E-06	1.16E-03	4.86E-04	1.05E-02	1.02E-02	1.41E-04	2.13E-02	4.62E-04	1.97E-08	1.35E-04	3.84E-06	6.01E-04
286	488767.32	3857909.41	1.02E-03	2.36E-08	1.22E-04	3.81E-06	1.15E-03	4.85E-04	1.04E-02	9.11E-03	1.40E-04	2.01E-02	4.61E-04	1.95E-08	1.22E-04	3.81E-06	5.87E-04
287	488417.32	3857959.41	9.37E-04	2.66E-08	3.05E-04	4.24E-06	1.25E-03	4.46E-04	1.17E-02	2.29E-02	1.55E-04	3.52E-02	4.24E-04	2.20E-08	3.05E-04	4.24E-06	7.33E-04
288	488467.32	3857959.41	9.40E-04	2.63E-08	2.60E-04	4.21E-06	1.20E-03	4.47E-04	1.16E-02	1.95E-02	1.54E-04	3.17E-02	4.25E-04	2.17E-08	2.60E-04	4.21E-06	6.90E-04
289	488517.32	3857959.41	9.43E-04	2.60E-08	2.23E-04	4.18E-06	1.17E-03	4.48E-04	1.14E-02	1.67E-02	1.53E-04	2.88E-02	4.26E-04	2.15E-08	2.23E-04	4.18E-06	6.54E-04
290	488567.32	3857959.41	9.45E-04	2.57E-08	1.93E-04	4.15E-06	1.14E-03	4.49E-04	1.13E-02	1.44E-02	1.52E-04	2.64E-02	4.28E-04	2.12E-08	1.93E-04	4.15E-06	6.24E-04
291	488617.32	3857959.41	9.49E-04	2.54E-08	1.68E-04	4.11E-06	1.12E-03	4.51E-04	1.12E-02	1.26E-02	1.51E-04	2.43E-02	4.29E-04	2.10E-08	1.68E-04	4.11E-06	6.01E-04
292	488667.32	3857959.41	9.52E-04	2.51E-08	1.47E-04	4.07E-06	1.10E-03	4.53E-04	1.10E-02	1.10E-02	1.49E-04	2.27E-02	4.31E-04	2.07E-08	1.47E-04	4.07E-06	5.82E-04
293	488717.32	3857959.41	9.54E-04	2.48E-08	1.30E-04	4.04E-06	1.09E-03	4.53E-04	1.09E-02	9.75E-03	1.48E-04	2.13E-02	4.31E-04	2.05E-08	1.30E-04	4.04E-06	5.65E-04
294	488767.32	3857959.41	9.56E-04	2.45E-08	1.16E-04	4.00E-06	1.08E-03	4.54E-04	1.08E-02	8.69E-03	1.47E-04	2.01E-02	4.32E-04	2.02E-08	1.16E-04	4.00E-06	5.52E-04
295	488417.32	3858009.41	8.75E-04	2.77E-08	2.68E-04	4.52E-06	1.15E-03	4.16E-04	1.22E-02	2.01E-02	1.66E-04	3.29E-02	3.96E-04	2.28E-08	2.68E-04	4.52E-06	6.69E-04
296	488467.32	3858009.41	8.76E-04	2.74E-08	2.27E-04	4.48E-06	1.11E-03	4.17E-04	1.20E-02	1.70E-02	1.64E-04	2.96E-02	3.96E-04	2.26E-08	2.27E-04	4.48E-06	6.28E-04
297	488517.32	3858009.41	8.78E-04	2.71E-08	1.93E-04	4.44E-06	1.08E-03	4.18E-04	1.19E-02	1.45E-02	1.63E-04	2.70E-02	3.97E-04	2.23E-08	1.93E-04	4.44E-06	5.95E-04
298	488567.32	3858009.41	8.81E-04	2.68E-08	1.67E-04	4.39E-06	1.05E-03	4.19E-04	1.18E-02	1.25E-02	1.61E-04	2.49E-02	3.98E-04	2.21E-08	1.67E-04	4.39E-06	5.70E-04
299	488617.32	3858009.41	8.85E-04	2.64E-08	1.46E-04	4.34E-06	1.04E-03	4.21E-04	1.16E-02	1.09E-02	1.59E-04	2.31E-02	4.00E-04	2.18E-08	1.46E-04	4.34E-06	5.51E-04
300	488667.32	3858009.41	8.89E-04	2.60E-08	1.28E-04	4.29E-06	1.02E-03	4.23E-04	1.15E-02	9.63E-03	1.57E-04	2.17E-02	4.02E-04	2.15E-08	1.28E-04	4.29E-06	5.35E-04
301	488717.32	3858009.41	8.93E-04	2.57E-08	1.14E-04	4.24E-06	1.01E-03	4.24E-04	1.13E-02	8.56E-03	1.56E-04	2.05E-02	4.04E-04	2.12E-08	1.14E-04	4.24E-06	5.22E-04

302	488767.32	3858009.41	8.95E-04	2.54E-08	1.02E-04	4.19E-06	1.00E-03	4.26E-04	1.12E-02	7.66E-03	1.54E-04	1.94E-02	4.05E-04	2.10E-08	1.02E-04	4.19E-06	5.11E-04
303	488417.32	3858059.41	8.21E-04	2.89E-08	1.87E-04	4.83E-06	1.01E-03	3.90E-04	1.27E-02	1.40E-02	1.77E-04	2.73E-02	3.71E-04	2.38E-08	1.87E-04	4.83E-06	5.63E-04
304	488467.32	3858059.41	8.20E-04	2.85E-08	1.64E-04	4.77E-06	9.89E-04	3.90E-04	1.26E-02	1.23E-02	1.75E-04	2.54E-02	3.71E-04	2.36E-08	1.64E-04	4.77E-06	5.40E-04
305	488517.32	3858059.41	8.21E-04	2.82E-08	1.44E-04	4.71E-06	9.70E-04	3.90E-04	1.24E-02	1.08E-02	1.73E-04	2.38E-02	3.72E-04	2.33E-08	1.44E-04	4.71E-06	5.20E-04
306	488567.32	3858059.41	8.23E-04	2.78E-08	1.28E-04	4.64E-06	9.56E-04	3.91E-04	1.23E-02	9.58E-03	1.70E-04	2.24E-02	3.72E-04	2.30E-08	1.28E-04	4.64E-06	5.05E-04
307	488617.32	3858059.41	8.26E-04	2.75E-08	1.14E-04	4.58E-06	9.44E-04	3.93E-04	1.21E-02	8.53E-03	1.68E-04	2.12E-02	3.74E-04	2.27E-08	1.14E-04	4.58E-06	4.92E-04
308	488667.32	3858059.41	8.30E-04	2.71E-08	1.02E-04	4.51E-06	9.37E-04	3.95E-04	1.19E-02	7.67E-03	1.65E-04	2.02E-02	3.76E-04	2.24E-08	1.02E-04	4.51E-06	4.83E-04
309	488417.32	3858109.41	7.76E-04	3.00E-08	1.17E-04	5.14E-06	8.98E-04	3.69E-04	1.32E-02	8.76E-03	1.88E-04	2.25E-02	3.51E-04	2.48E-08	1.17E-04	5.14E-06	4.73E-04
310	488467.32	3858109.41	7.73E-04	2.97E-08	1.08E-04	5.06E-06	8.87E-04	3.68E-04	1.31E-02	8.10E-03	1.86E-04	2.17E-02	3.50E-04	2.45E-08	1.08E-04	5.06E-06	4.63E-04
311	488517.32	3858109.41	7.72E-04	2.94E-08	9.90E-05	4.98E-06	8.76E-04	3.67E-04	1.29E-02	7.42E-03	1.83E-04	2.09E-02	3.49E-04	2.42E-08	9.90E-05	4.98E-06	4.53E-04
312	488567.32	3858109.41	7.73E-04	2.90E-08	9.08E-05	4.90E-06	8.68E-04	3.67E-04	1.28E-02	6.81E-03	1.80E-04	2.01E-02	3.50E-04	2.39E-08	9.08E-05	4.90E-06	4.45E-04
313	488617.32	3858109.41	7.74E-04	2.86E-08	8.33E-05	4.82E-06	8.62E-04	3.68E-04	1.26E-02	6.25E-03	1.77E-04	1.94E-02	3.50E-04	2.36E-08	8.33E-05	4.82E-06	4.38E-04
314	488667.32	3858109.41	7.78E-04	2.82E-08	7.69E-05	4.73E-06	8.60E-04	3.70E-04	1.24E-02	5.77E-03	1.73E-04	1.87E-02	3.52E-04	2.33E-08	7.69E-05	4.73E-06	4.34E-04
315	488769.93	3858449.27	5.55E-04	3.59E-08	1.09E-05	5.99E-06	5.72E-04	2.64E-04	1.58E-02	8.17E-04	2.20E-04	1.71E-02	2.51E-04	2.96E-08	1.09E-05	5.99E-06	2.68E-04
316	488819.93	3858449.27	5.53E-04	3.53E-08	1.15E-05	5.84E-06	5.70E-04	2.63E-04	1.55E-02	8.60E-04	2.14E-04	1.69E-02	2.50E-04	2.91E-08	1.15E-05	5.84E-06	2.68E-04
317	488819.93	3858499.27	5.33E-04	3.71E-08	8.85E-06	6.02E-06	5.48E-04	2.53E-04	1.63E-02	6.64E-04	2.21E-04	1.75E-02	2.41E-04	3.06E-08	8.85E-06	6.02E-06	2.56E-04
318	488869.93	3858499.27	5.31E-04	3.65E-08	9.34E-06	5.87E-06	5.46E-04	2.52E-04	1.61E-02	7.00E-04	2.15E-04	1.72E-02	2.40E-04	3.02E-08	9.34E-06	5.87E-06	2.55E-04
319	488869.93	3858549.27	5.13E-04	3.87E-08	7.37E-06	6.03E-06	5.26E-04	2.44E-04	1.70E-02	5.53E-04	2.21E-04	1.81E-02	2.32E-04	3.20E-08	7.37E-06	6.03E-06	2.45E-04
320	489438.17	3859571.48	2.86E-04	5.77E-08	1.31E-06	1.28E-05	3.00E-04	1.36E-04	2.54E-02	9.83E-05	4.69E-04	2.61E-02	1.29E-04	4.77E-08	1.31E-06	1.28E-05	1.43E-04
321	489488.17	3859571.48	2.86E-04	5.59E-08	1.33E-06	1.21E-05	3.00E-04	1.36E-04	2.46E-02	9.99E-05	4.45E-04	2.53E-02	1.30E-04	4.61E-08	1.33E-06	1.21E-05	1.43E-04
322	489538.17	3859571.48	2.87E-04	5.42E-08	1.36E-06	1.15E-05	2.99E-04	1.36E-04	2.38E-02	1.02E-04	4.23E-04	2.45E-02	1.30E-04	4.47E-08	1.36E-06	1.15E-05	1.43E-04
323	489588.17	3859571.48	2.86E-04	5.27E-08	1.38E-06	1.10E-05	2.98E-04	1.36E-04	2.32E-02	1.04E-04	4.04E-04	2.38E-02	1.29E-04	4.35E-08	1.38E-06	1.10E-05	1.42E-04
324	489438.17	3859621.48	2.77E-04	5.65E-08	1.26E-06	1.29E-05	2.91E-04	1.32E-04	2.49E-02	9.47E-05	4.74E-04	2.56E-02	1.25E-04	4.67E-08	1.26E-06	1.29E-05	1.40E-04
325	489488.17	3859621.48	2.78E-04	5.49E-08	1.28E-06	1.23E-05	2.92E-04	1.32E-04	2.42E-02	9.59E-05	4.49E-04	2.48E-02	1.26E-04	4.53E-08	1.28E-06	1.23E-05	1.39E-04
326	489538.17	3859621.48	2.79E-04	5.33E-08	1.30E-06	1.16E-05	2.92E-04	1.33E-04	2.35E-02	9.74E-05	4.26E-04	2.41E-02	1.26E-04	4.40E-08	1.30E-06	1.16E-05	1.39E-04
327	489588.17	3859621.48	2.79E-04	5.17E-08	1.33E-06	1.11E-05	2.92E-04	1.33E-04	2.28E-02	9.94E-05	4.05E-04	2.34E-02	1.26E-04	4.27E-08	1.33E-06	1.11E-05	1.39E-04
328	489238.17	3859671.48	2.63E-04	6.25E-08	1.14E-06	1.66E-05	2.80E-04	1.25E-04	2.75E-02	8.59E-05	6.09E-04	2.83E-02	1.19E-04	5.16E-08	1.14E-06	1.66E-05	1.37E-04
329	489288.17	3859671.48	2.64E-04	6.06E-08	1.17E-06	1.55E-05	2.81E-04	1.25E-04	2.67E-02	8.76E-05	5.70E-04	2.75E-02	1.19E-04	5.01E-08	1.17E-06	1.55E-05	1.36E-04
330	489338.17	3859671.48	2.66E-04	5.88E-08	1.19E-06	1.46E-05	2.81E-04	1.26E-04	2.59E-02	8.92E-05	5.34E-04	2.66E-02	1.20E-04	4.86E-08	1.19E-06	1.46E-05	1.36E-04
331	489388.17	3859671.48	2.68E-04	5.70E-08	1.21E-06	1.37E-05	2.83E-04	1.27E-04	2.51E-02	9.06E-05	5.02E-04	2.58E-02	1.21E-04	4.70E-08	1.21E-06	1.37E-05	1.36E-04
332	489438.17	3859671.48	2.69E-04	5.54E-08	1.22E-06	1.29E-05	2.83E-04	1.28E-04	2.44E-02	9.16E-05	4.73E-04	2.51E-02	1.22E-04	4.58E-08	1.22E-06	1.29E-05	1.36E-04
333	489488.17	3859671.48	2.71E-04	5.38E-08	1.24E-06	1.22E-05	2.84E-04	1.29E-04	2.37E-02	9.29E-05	4.47E-04	2.43E-02	1.22E-04	4.44E-08	1.24E-06	1.22E-05	1.36E-04
334	489538.17	3859671.48	2.72E-04	5.23E-08	1.26E-06	1.15E-05	2.84E-04	1.29E-04	2.30E-02	9.41E-05	4.23E-04	2.37E-02	1.23E-04	4.32E-08	1.26E-06	1.15E-05	1.36E-04
335	489588.17	3859671.48	2.73E-04	5.09E-08	1.28E-06	1.10E-05	2.85E-04	1.30E-04	2.24E-02	9.57E-05	4.02E-04	2.30E-02	1.23E-04	4.20E-08	1.28E-06	1.10E-05	1.36E-04
336	489238.17	3859721.48	2.55E-04	6.13E-08	1.10E-06	1.64E-05	2.72E-04	1.21E-04	2.70E-02	8.27E-05	6.00E-04	2.78E-02	1.15E-04	5.06E-08	1.10E-06	1.64E-05	1.33E-04
337	489288.17	3859721.48	2.57E-04	5.91E-08	1.13E-06	1.53E-05	2.73E-04	1.22E-04	2.60E-02	8.50E-05	5.60E-04	2.68E-02	1.16E-04	4.88E-08	1.13E-06	1.53E-05	1.33E-04
338	489338.17	3859721.48	2.58E-04	5.75E-08	1.15E-06	1.43E-05	2.74E-04	1.23E-04	2.53E-02	8.66E-05	5.25E-04	2.61E-02	1.17E-04	4.75E-08	1.15E-06	1.43E-05	1.32E-04
339	489388.17	3859721.48	2.60E-04	5.60E-08	1.17E-06	1.35E-05	2.74E-04	1.23E-04	2.47E-02	8.80E-05	4.94E-04	2.54E-02	1.17E-04	4.62E-08	1.17E-06	1.35E-05	1.32E-04
340	489438.17	3859721.48	2.61E-04	5.46E-08	1.19E-06	1.27E-05	2.75E-04	1.24E-04	2.40E-02	8.90E-05	4.65E-04	2.47E-02	1.18E-04	4.51E-08	1.19E-06	1.27E-05	1.32E-04
341	489488.17	3859721.48	2.63E-04	5.30E-08	1.20E-06	1.20E-05	2.76E-04	1.25E-04	2.33E-02	9.02E-05	4.39E-04	2.40E-02	1.19E-04	4.38E-08	1.20E-06	1.20E-05	1.32E-04
342	489538.17	3859721.48	2.64E-04	5.16E-08	1.22E-06	1.13E-05	2.77E-04	1.26E-04	2.27E-02	9.13E-05	4.16E-04	2.33E-02	1.20E-04	4.26E-08	1.22E-06	1.13E-05	1.32E-04
343	489588.17	3859721.48	2.66E-04	5.02E-08	1.23E-06	1.07E-05	2.78E-04	1.26E-04	2.21E-02	9.26E-05	3.94E-04	2.27E-02	1.20E-04	4.15E-08	1.23E-06	1.07E-05	1.32E-04
344	489238.17	3859771.48	2.48E-04	6.04E-08	1.06E-06	1.59E-05	2.65E-04	1.18E-04	2.66E-02	7.95E-05	5.82E-04	2.74E-02	1.12E-04	4.99E-08	1.06E-06	1.59E-05	1.29E-04
345	489288.17	3859771.48	2.49E-04	5.84E-08	1.09E-06	1.48E-05	2.65E-04	1.18E-04	2.57E-02	8.21E-05	5.44E-04	2.65E-02	1.13E-04	4.82E-08	1.09E-06	1.48E-05	1.29E-04
346	489338.17	3859771.48	2.50E-04	5.69E-08	1.12E-06	1.39E-05	2.66E-04	1.19E-04	2.51E-02	8.39E-05	5.11E-04	2.58E-02	1.13E-04	4.70E-08	1.12E-06	1.39E-05	1.28E-04
347	489388.17	3859771.48	2.52E-04	5.54E-08	1.14E-06	1.31E-05	2.66E-04	1.20E-04	2.44E-02	8.54E-05	4.81E-04	2.51E-02	1.14E-04	4.58E-08	1.14E-06	1.31E-05	1.28E-04
348	489438.17	3859771.48	2.53E-04	5.41E-08	1.15E-06	1.24E-05	2.67E-04	1.20E-04	2.38E-02	8.65E-05	4.53E-04	2.45E-02	1.15E-04	4.47E-08	1.15E-06	1.24E-05	1.28E-04
349	489488.17	3859771.48	2.55E-04	5.25E-08	1.17E-06	1.17E-05	2.68E-04	1.21E-04	2.31E-02	8.78E-05	4.28E-04	2.38E-02	1.16E-04	4.34E-08	1.17E-06	1.17E-05	1.28E-04
350	489538.17	3859771.48	2.57E-04	5.10E-08	1.19E-06	1.10E-05	2.70E-04	1.22E-04	2.25E-02	8.90E-05	4.05E-04	2.31E-02	1.16E-04	4.21E-08	1.19E-06	1.10E-05	1.29E-04
351	489588.17	3859771.48	2.59E-04	4.98E-08	1.20E-06	1.05E-05	2.70E-04	1.23E-04	2.19E-02	8.99E-05	3.84E-04	2.25E-02	1.17E-04	4.11E-08	1.20E-06	1.05E-05	1.29E-04
352	489238.17	3859821.48	2.41E-04	6.04E-08	1.02E-06	1.53E-05	2.57E-04	1.14E-04	2.66E-02	7.64E-05	5.63E-04	2.74E-02	1.09E-04	4.99E-08	1.02E-06	1.53E-05	1.25E-04
353	489288.17	3859821.48	2.42E-04	5.84E-08	1.06E-06	1.44E-05	2.58E-04	1.15E-04	2.57E-02	7.92E-05	5.27E-04	2.64E-02	1.10E-04	4.82E-08	1.06E-06	1.44E-05	1.25E-04
354	489338.17	3859821.48	2.43E-04	5.69E-08	1.08E-06	1.35E-05	2.58E-04	1.16E-04	2.50E-02	8.13E-05	4.95E-04	2.57E-02	1.10E-04	4.70E-08	1.08E-06	1.35E-05	1.25E-04
355	489388.17	3859821.48	2.45E-04	5.54E-08	1.11E-06	1.27E-05	2.59E-04	1.16E-04	2.44E-02	8.30E-05	4.66E-04	2.51E-02	1.11E-04	4.57E-08	1.11E-06	1.27E-05	1.25E-04
356	489438.17	3859821.48	2.47E-04	5.38E-08	1.13E-06	1.20E-05	2.60E-04	1.17E-04	2.37E-02	8.46E-05	4.40E-04	2.43E-02	1.12E-04	4.44E-08	1.13E-06	1.20E-05	1.25E-04
357	489488.17	3859821.48	2.48E-04	5.22E-08	1.14E-06	1.13E-05	2.61E-04	1.18E-04	2.30E-02	8.59E-05	4.15E-04	2.36E-02	1.12E-04	4.31E-08	1.14E-06	1.13E-05	1.25E-04
358	489538.17	3859821.48	2.50E-04	5.08E-08	1.16E-06	1.07E-05	2.62E-04	1.19E-04	2.23E-02	8.71E-05	3.93E-04	2.29E-02	1.13E-04	4.19E-08	1.16E-06	1.07E-05	1.25E-04
359	489588.17	3859821.48	2.52E-04	4.95E-08	1.17E-06	1.02E-05	2.63E-04	1.20E-04	2.18E-02	8.78E-05	3.73E-04	2.24E-02	1.14E-04	4.09E-08	1.17E-06	1.02E-05	1.25E-04
360	489238.17	3859871.48	2.34E-04	6.11E-08	9.79E-07	1.48E-05	2.50E-04	1.11E-04	2.69E-02	7.34E-05	5.44E-04	2.76E-02	1.06E-04	5.05E-08	9.79E-07	1.48E-05	1.22E-04
361	489288.17	3859871.48	2.36E-04	5.93E-08	1.02E-06	1.39E-05	2.51E-04	1.12E-04	2.61E-02	7.62E-05	5.11E-04	2.68E-02	1.07E-04	4.90E-08	1.02E-06	1.39E-05	1.22E-04
362	489338.17	3859871.48	2.37E-04	5.74E-08	1.05E-06	1.31E-05	2.51E-04	1.13E-04	2.53E-02	7.85E-05	4.80E-04	2.59E-02	1.07E-04	4.74E-08	1.05E-06	1.31E-05	1.21E-04

363	489388.17	3859871.48	2.38E-04	5.56E-08	1.08E-06	1.23E-05	2.52E-04	1.13E-04	2.45E-02	8.07E-05	4.52E-04	2.51E-02	1.08E-04	4.59E-08	1.08E-06	1.23E-05	1.21E-04
364	489438.17	3859871.48	2.40E-04	5.37E-08	1.10E-06	1.16E-05	2.53E-04	1.14E-04	2.37E-02	8.28E-05	4.26E-04	2.43E-02	1.09E-04	4.44E-08	1.10E-06	1.16E-05	1.22E-04
365	489488.17	3859871.48	2.43E-04	5.18E-08	1.13E-06	1.10E-05	2.55E-04	1.15E-04	2.28E-02	8.47E-05	4.02E-04	2.34E-02	1.10E-04	4.28E-08	1.13E-06	1.10E-05	1.22E-04
366	489538.17	3859871.48	2.44E-04	5.06E-08	1.14E-06	1.04E-05	2.55E-04	1.16E-04	2.23E-02	8.55E-05	3.82E-04	2.29E-02	1.10E-04	4.18E-08	1.14E-06	1.04E-05	1.22E-04
367	489588.17	3859871.48	2.45E-04	4.93E-08	1.15E-06	9.88E-06	2.56E-04	1.17E-04	2.17E-02	8.63E-05	3.62E-04	2.23E-02	1.11E-04	4.07E-08	1.15E-06	9.88E-06	1.22E-04
368	489238.17	3859921.48	2.29E-04	6.25E-08	9.41E-07	1.42E-05	2.44E-04	1.09E-04	2.75E-02	7.06E-05	5.22E-04	2.82E-02	1.04E-04	5.16E-08	9.41E-07	1.42E-05	1.19E-04
369	489288.17	3859921.48	2.30E-04	5.99E-08	9.81E-07	1.34E-05	2.45E-04	1.09E-04	2.64E-02	7.36E-05	4.91E-04	2.71E-02	1.04E-04	4.95E-08	9.81E-07	1.34E-05	1.19E-04
370	489338.17	3859921.48	2.31E-04	5.80E-08	1.02E-06	1.26E-05	2.45E-04	1.10E-04	2.55E-02	7.62E-05	4.62E-04	2.62E-02	1.05E-04	4.79E-08	1.02E-06	1.26E-05	1.18E-04
371	489388.17	3859921.48	2.33E-04	5.59E-08	1.05E-06	1.19E-05	2.46E-04	1.11E-04	2.46E-02	7.88E-05	4.35E-04	2.53E-02	1.05E-04	4.62E-08	1.05E-06	1.19E-05	1.18E-04
372	489438.17	3859921.48	2.35E-04	5.37E-08	1.09E-06	1.12E-05	2.47E-04	1.12E-04	2.36E-02	8.14E-05	4.10E-04	2.42E-02	1.06E-04	4.43E-08	1.09E-06	1.12E-05	1.19E-04
373	489488.17	3859921.48	2.36E-04	5.20E-08	1.11E-06	1.06E-05	2.48E-04	1.12E-04	2.29E-02	8.31E-05	3.88E-04	2.35E-02	1.07E-04	4.29E-08	1.11E-06	1.06E-05	1.19E-04
374	489538.17	3859921.48	2.38E-04	5.06E-08	1.12E-06	1.00E-05	2.49E-04	1.13E-04	2.23E-02	8.41E-05	3.68E-04	2.28E-02	1.08E-04	4.18E-08	1.12E-06	1.00E-05	1.19E-04
375	489588.17	3859921.48	2.40E-04	4.89E-08	1.14E-06	9.53E-06	2.50E-04	1.14E-04	2.16E-02	8.54E-05	3.49E-04	2.21E-02	1.08E-04	4.04E-08	1.14E-06	9.53E-06	1.19E-04
376	489238.17	3859971.48	2.24E-04	6.38E-08	9.06E-07	1.35E-05	2.38E-04	1.06E-04	2.81E-02	6.79E-05	4.95E-04	2.88E-02	1.01E-04	5.27E-08	9.06E-07	1.35E-05	1.16E-04
377	489288.17	3859971.48	2.25E-04	6.14E-08	9.44E-07	1.27E-05	2.38E-04	1.07E-04	2.70E-02	7.08E-05	4.66E-04	2.77E-02	1.02E-04	5.07E-08	9.44E-07	1.27E-05	1.15E-04
378	489338.17	3859971.48	2.26E-04	5.90E-08	9.84E-07	1.20E-05	2.39E-04	1.07E-04	2.60E-02	7.38E-05	4.39E-04	2.66E-02	1.02E-04	4.87E-08	9.84E-07	1.20E-05	1.15E-04
379	489388.17	3859971.48	2.28E-04	5.64E-08	1.02E-06	1.13E-05	2.40E-04	1.08E-04	2.48E-02	7.69E-05	4.14E-04	2.54E-02	1.03E-04	4.66E-08	1.02E-06	1.13E-05	1.15E-04
380	489438.17	3859971.48	2.30E-04	5.36E-08	1.07E-06	1.06E-05	2.41E-04	1.09E-04	2.36E-02	8.01E-05	3.90E-04	2.42E-02	1.04E-04	4.43E-08	1.07E-06	1.06E-05	1.16E-04
381	489488.17	3859971.48	2.32E-04	5.05E-08	1.10E-06	1.01E-05	2.43E-04	1.10E-04	2.22E-02	8.25E-05	3.69E-04	2.28E-02	1.05E-04	4.17E-08	1.10E-06	1.01E-05	1.16E-04
382	489538.17	3859971.48	2.34E-04	4.82E-08	1.11E-06	9.54E-06	2.45E-04	1.11E-04	2.12E-02	8.31E-05	3.50E-04	2.18E-02	1.06E-04	3.98E-08	1.11E-06	9.54E-06	1.17E-04
383	489588.17	3859971.48	2.36E-04	4.64E-08	1.11E-06	9.07E-06	2.46E-04	1.12E-04	2.04E-02	8.36E-05	3.32E-04	2.10E-02	1.07E-04	3.83E-08	1.11E-06	9.07E-06	1.17E-04
384	483577.7	3854071	3.99E-04	1.88E-09	3.29E-07	1.09E-06	4.00E-04	1.90E-04	8.27E-04	2.47E-05	4.00E-05	1.08E-03	1.80E-04	1.55E-09	3.29E-07	1.09E-06	1.82E-04
385	483627.7	3854071	4.15E-04	1.84E-09	3.29E-07	1.10E-06	4.16E-04	1.97E-04	8.10E-04	2.47E-05	4.04E-05	1.07E-03	1.88E-04	1.52E-09	3.29E-07	1.10E-06	1.89E-04
386	483677.7	3854071	4.29E-04	1.79E-09	3.29E-07	1.11E-06	4.30E-04	2.04E-04	7.90E-04	2.47E-05	4.08E-05	1.06E-03	1.94E-04	1.48E-09	3.29E-07	1.11E-06	1.95E-04
387	483727.7	3854071	4.39E-04	1.75E-09	3.29E-07	1.12E-06	4.40E-04	2.09E-04	7.70E-04	2.47E-05	4.12E-05	1.04E-03	1.99E-04	1.44E-09	3.29E-07	1.12E-06	2.00E-04
388	483777.7	3854071	4.45E-04	1.67E-09	3.30E-07	1.14E-06	4.46E-04	2.11E-04	7.37E-04	2.47E-05	4.19E-05	1.02E-03	2.01E-04	1.38E-09	3.30E-07	1.14E-06	2.03E-04
389	483577.7	3854121	4.02E-04	1.94E-09	3.33E-07	1.16E-06	4.03E-04	1.91E-04	8.54E-04	2.49E-05	4.24E-05	1.11E-03	1.82E-04	1.60E-09	3.33E-07	1.16E-06	1.83E-04
390	483627.7	3854121	4.19E-04	1.88E-09	3.33E-07	1.17E-06	4.21E-04	1.99E-04	8.28E-04	2.49E-05	4.28E-05	1.09E-03	1.90E-04	1.55E-09	3.33E-07	1.17E-06	1.91E-04
391	483677.7	3854121	4.36E-04	1.80E-09	3.33E-07	1.18E-06	4.37E-04	2.07E-04	7.93E-04	2.49E-05	4.33E-05	1.07E-03	1.97E-04	1.49E-09	3.33E-07	1.18E-06	1.99E-04
392	483727.7	3854121	4.49E-04	1.72E-09	3.33E-07	1.20E-06	4.50E-04	2.13E-04	7.59E-04	2.49E-05	4.40E-05	1.04E-03	2.03E-04	1.42E-09	3.33E-07	1.20E-06	2.05E-04
393	483777.7	3854121	4.62E-04	1.68E-09	3.33E-07	1.23E-06	4.64E-04	2.20E-04	7.38E-04	2.49E-05	4.50E-05	1.03E-03	2.09E-04	1.38E-09	3.33E-07	1.23E-06	2.11E-04
394	483577.7	3854171	4.04E-04	1.95E-09	3.36E-07	1.23E-06	4.06E-04	1.92E-04	8.57E-04	2.52E-05	4.51E-05	1.12E-03	1.83E-04	1.61E-09	3.36E-07	1.23E-06	1.85E-04
395	483627.7	3854171	4.22E-04	1.86E-09	3.36E-07	1.25E-06	4.24E-04	2.01E-04	8.17E-04	2.52E-05	4.57E-05	1.09E-03	1.91E-04	1.53E-09	3.36E-07	1.25E-06	1.93E-04
396	483677.7	3854171	4.40E-04	1.79E-09	3.36E-07	1.26E-06	4.42E-04	2.09E-04	7.89E-04	2.52E-05	4.64E-05	1.07E-03	1.99E-04	1.48E-09	3.36E-07	1.26E-06	2.01E-04
397	483727.7	3854171	4.58E-04	1.74E-09	3.36E-07	1.29E-06	4.59E-04	2.18E-04	7.66E-04	2.52E-05	4.74E-05	1.06E-03	2.07E-04	1.44E-09	3.36E-07	1.29E-06	2.09E-04
398	483777.7	3854171	4.72E-04	1.68E-09	3.36E-07	1.33E-06	4.74E-04	2.24E-04	7.41E-04	2.52E-05	4.87E-05	1.04E-03	2.14E-04	1.39E-09	3.36E-07	1.33E-06	2.15E-04
399	483827.7	3854171	4.79E-04	1.60E-09	3.37E-07	1.37E-06	4.81E-04	2.28E-04	7.06E-04	2.53E-05	5.01E-05	1.01E-03	2.17E-04	1.32E-09	3.37E-07	1.37E-06	2.18E-04
400	483877.7	3854171	4.82E-04	1.56E-09	3.37E-07	1.40E-06	4.84E-04	2.29E-04	6.89E-04	2.53E-05	5.15E-05	9.94E-04	2.18E-04	1.29E-09	3.37E-07	1.40E-06	2.20E-04
401	483727.7	3854221	4.61E-04	1.77E-09	3.39E-07	1.41E-06	4.62E-04	2.19E-04	7.80E-04	2.55E-05	5.17E-05	1.08E-03	2.08E-04	1.46E-09	3.39E-07	1.41E-06	2.10E-04
402	483777.7	3854221	4.77E-04	1.71E-09	3.39E-07	1.46E-06	4.79E-04	2.27E-04	7.53E-04	2.55E-05	5.34E-05	1.06E-03	2.16E-04	1.41E-09	3.39E-07	1.46E-06	2.18E-04
403	483827.7	3854221	4.94E-04	1.70E-09	3.40E-07	1.50E-06	4.96E-04	2.35E-04	7.47E-04	2.55E-05	5.49E-05	1.06E-03	2.23E-04	1.40E-09	3.40E-07	1.50E-06	2.25E-04
404	483877.7	3854221	5.00E-04	1.63E-09	3.40E-07	1.54E-06	5.02E-04	2.38E-04	7.19E-04	2.55E-05	5.63E-05	1.04E-03	2.26E-04	1.35E-09	3.40E-07	1.54E-06	2.28E-04
405	489150.19	3858726.45	4.47E-04	4.56E-08	4.87E-06	6.22E-06	4.58E-04	2.13E-04	2.01E-02	3.66E-04	2.28E-04	2.09E-02	2.02E-04	3.77E-08	4.87E-06	6.22E-06	2.13E-04
406	489200.19	3858726.45	4.45E-04	4.47E-08	5.05E-06	6.14E-06	4.57E-04	2.12E-04	1.97E-02	3.79E-04	2.25E-04	2.05E-02	2.01E-04	3.69E-08	5.05E-06	6.14E-06	2.13E-04
407	489150.19	3858776.45	4.34E-04	4.97E-08	4.17E-06	6.53E-06	4.45E-04	2.06E-04	2.19E-02	3.13E-04	2.39E-04	2.26E-02	1.96E-04	4.10E-08	4.17E-06	6.53E-06	2.07E-04
408	489200.19	3858776.45	4.32E-04	4.83E-08	4.34E-06	6.46E-06	4.43E-04	2.05E-04	2.13E-02	3.25E-04	2.37E-04	2.20E-02	1.95E-04	3.99E-08	4.34E-06	6.46E-06	2.06E-04
409	488919.6	3856400.76	2.93E-03	1.08E-08	1.65E-06	2.54E-06	2.93E-03	1.39E-03	4.77E-03	1.24E-04	9.32E-05	6.38E-03	1.32E-03	8.94E-09	1.65E-06	2.54E-06	1.33E-03
410	488919.6	3856450.76	2.95E-03	1.11E-08	1.71E-06	2.51E-06	2.96E-03	1.40E-03	4.89E-03	1.28E-04	9.19E-05	6.52E-03	1.34E-03	9.18E-09	1.71E-06	2.51E-06	1.34E-03
411	488969.6	3856450.76	2.88E-03	1.10E-08	1.73E-06	2.49E-06	2.89E-03	1.37E-03	4.85E-03	1.29E-04	9.13E-05	6.44E-03	1.30E-03	9.09E-09	1.73E-06	2.49E-06	1.31E-03
412	488919.6	3856500.76	2.97E-03	1.14E-08	1.77E-06	2.48E-06	2.97E-03	1.41E-03	5.02E-03	1.33E-04	9.08E-05	6.66E-03	1.34E-03	9.42E-09	1.77E-06	2.48E-06	1.35E-03
413	488969.6	3856500.76	2.90E-03	1.13E-08	1.79E-06	2.46E-06	2.90E-03	1.38E-03	4.98E-03	1.34E-04	9.02E-05	6.58E-03	1.31E-03	9.34E-09	1.79E-06	2.46E-06	1.32E-03
414	488919.6	3856550.76	2.98E-03	1.17E-08	1.84E-06	2.45E-06	2.98E-03	1.42E-03	5.16E-03	1.38E-04	8.97E-05	6.80E-03	1.35E-03	9.67E-09	1.84E-06	2.45E-06	1.35E-03
415	488969.6	3856550.76	2.91E-03	1.16E-08	1.87E-06	2.44E-06	2.91E-03	1.38E-03	5.11E-03	1.41E-04	8.93E-05	6.72E-03	1.32E-03	9.58E-09	1.87E-06	2.44E-06	1.32E-03
416	488819.6	3856600.76	3.14E-03	1.22E-08	1.87E-06	2.45E-06	3.14E-03	1.49E-03	5.38E-03	1.40E-04	8.97E-05	7.10E-03	1.42E-03	1.01E-08	1.87E-06	2.45E-06	1.42E-03
417	488869.6	3856600.76	3.06E-03	1.21E-08	1.90E-06	2.43E-06	3.06E-03	1.45E-03	5.32E-03	1.42E-04	8.92E-05	7.01E-03	1.38E-03	9.99E-09	1.90E-06	2.43E-06	1.39E-03
418	488919.6	3856600.76	2.98E-03	1.20E-08	1.93E-06	2.42E-06	2.98E-03	1.42E-03	5.28E-03	1.45E-04	8.88E-05	6.93E-03	1.35E-03	9.90E-09	1.93E-06	2.42E-06	1.35E-03
419	488819.6	3856650.76	3.13E-03	1.25E-08	1.96E-06	2.42E-06	3.13E-03	1.49E-03	5.51E-03	1.47E-04	8.87E-05	7.23E-03	1.42E-03	1.03E-08	1.96E-06	2.42E-06	1.42E-03
420	488869.6	3856650.76	3.05E-03	1.24E-08	2.00E-06	2.41E-06	3.05E-03	1.45E-03	5.45E-03	1.50E-04	8.83E-05	7.14E-03	1.38E-03	1.02E-08	2.00E-06	2.41E-06	1.38E-03
421	488819.6	3856700.76	3.11E-03	1.28E-08	2.06E-06	2.40E-06	3.12E-03	1.48E-03	5.64E-03	1.55E-04	8.79E-05	7.36E-03	1.41E-03	1.06E-08	2.06E-06	2.40E-06	1.41E-03
422	488869.6	3856700.76	3.03E-03	1.27E-08	2.12E-06	2.39E-06	3.03E-03	1.44E-03	5.58E-03	1.59E-04	8.77E-05	7.27E-03	1.37E-03	1.05E-08	2.12E-06	2.39E-06	1.37E-03
423	488819.6	3856750.76	3.08E-03	1.31E-08	2.19E-06	2.38E-06	3.09E-03	1.46E-03	5.76E-03	1.65E-04	8.73E-05	7.48E-03	1.39E-03	1.08E-08	2.19E-06	2.38E-06	1.40E-03

424	488869.6	3856750.76	3.00E-03	1.30E-08	2.27E-06	2.38E-06	3.00E-03	1.43E-03	5.71E-03	1.70E-04	8.71E-05	7.39E-03	1.36E-03	1.07E-08	2.27E-06	2.38E-06	1.36E-03
425	488819.6	3857050.76	2.65E-03	1.49E-08	4.25E-06	2.37E-06	2.66E-03	1.26E-03	6.56E-03	3.19E-04	8.70E-05	8.23E-03	1.20E-03	1.23E-08	4.25E-06	2.37E-06	1.21E-03
426	488869.6	3857050.76	2.59E-03	1.48E-08	4.71E-06	2.38E-06	2.59E-03	1.23E-03	6.51E-03	3.53E-04	8.72E-05	8.18E-03	1.17E-03	1.22E-08	4.71E-06	2.38E-06	1.18E-03
427	488919.6	3857050.76	2.52E-03	1.46E-08	5.20E-06	2.38E-06	2.53E-03	1.20E-03	6.45E-03	3.90E-04	8.73E-05	8.12E-03	1.14E-03	1.21E-08	5.20E-06	2.38E-06	1.15E-03
428	488819.6	3857100.76	2.55E-03	1.52E-08	5.03E-06	2.39E-06	2.56E-03	1.21E-03	6.70E-03	3.77E-04	8.75E-05	8.38E-03	1.16E-03	1.26E-08	5.03E-06	2.39E-06	1.16E-03
429	488869.6	3857100.76	2.49E-03	1.51E-08	5.59E-06	2.39E-06	2.50E-03	1.18E-03	6.64E-03	4.19E-04	8.76E-05	8.33E-03	1.13E-03	1.24E-08	5.59E-06	2.39E-06	1.13E-03
430	488919.6	3857100.76	2.43E-03	1.50E-08	6.15E-06	2.39E-06	2.44E-03	1.15E-03	6.59E-03	4.61E-04	8.77E-05	8.29E-03	1.10E-03	1.24E-08	6.15E-06	2.39E-06	1.11E-03
431	488819.6	3857150.76	2.45E-03	1.55E-08	6.03E-06	2.41E-06	2.46E-03	1.16E-03	6.84E-03	4.52E-04	8.82E-05	8.55E-03	1.11E-03	1.28E-08	6.03E-06	2.41E-06	1.12E-03
432	488869.6	3857150.76	2.39E-03	1.54E-08	6.68E-06	2.41E-06	2.40E-03	1.14E-03	6.78E-03	5.01E-04	8.83E-05	8.51E-03	1.08E-03	1.27E-08	6.68E-06	2.41E-06	1.09E-03
433	488919.6	3857150.76	2.33E-03	1.53E-08	7.32E-06	2.41E-06	2.34E-03	1.11E-03	6.72E-03	5.49E-04	8.84E-05	8.47E-03	1.06E-03	1.26E-08	7.32E-06	2.41E-06	1.07E-03
434	488969.6	3857150.76	2.28E-03	1.51E-08	7.94E-06	2.41E-06	2.29E-03	1.08E-03	6.66E-03	5.95E-04	8.84E-05	8.43E-03	1.03E-03	1.25E-08	7.94E-06	2.41E-06	1.04E-03
435	488819.6	3857200.76	2.34E-03	1.59E-08	7.30E-06	2.43E-06	2.35E-03	1.11E-03	6.99E-03	5.48E-04	8.90E-05	8.74E-03	1.06E-03	1.31E-08	7.30E-06	2.43E-06	1.07E-03
436	488869.6	3857200.76	2.29E-03	1.57E-08	8.06E-06	2.43E-06	2.30E-03	1.09E-03	6.94E-03	6.05E-04	8.91E-05	8.72E-03	1.03E-03	1.30E-08	8.06E-06	2.43E-06	1.04E-03
437	488919.6	3857200.76	2.23E-03	1.56E-08	8.79E-06	2.43E-06	2.24E-03	1.06E-03	6.87E-03	6.59E-04	8.92E-05	8.69E-03	1.01E-03	1.29E-08	8.79E-06	2.43E-06	1.02E-03
438	488969.6	3857200.76	2.19E-03	1.55E-08	9.49E-06	2.43E-06	2.20E-03	1.04E-03	6.81E-03	7.11E-04	8.93E-05	8.65E-03	9.89E-04	1.28E-08	9.49E-06	2.43E-06	1.00E-03
439	488819.6	3857250.76	2.23E-03	1.62E-08	8.94E-06	2.46E-06	2.24E-03	1.06E-03	7.14E-03	6.70E-04	9.01E-05	8.96E-03	1.01E-03	1.34E-08	8.94E-06	2.46E-06	1.02E-03
440	488869.6	3857250.76	2.18E-03	1.61E-08	9.81E-06	2.46E-06	2.19E-03	1.04E-03	7.08E-03	7.36E-04	9.02E-05	8.95E-03	9.87E-04	1.33E-08	9.81E-06	2.46E-06	9.99E-04
441	488919.6	3857250.76	2.13E-03	1.59E-08	1.06E-05	2.46E-06	2.15E-03	1.02E-03	7.02E-03	7.99E-04	9.02E-05	8.93E-03	9.66E-04	1.32E-08	1.06E-05	2.46E-06	9.79E-04
442	488969.6	3857250.76	2.09E-03	1.58E-08	1.14E-05	2.46E-06	2.10E-03	9.94E-04	6.96E-03	8.59E-04	9.03E-05	8.90E-03	9.46E-04	1.31E-08	1.14E-05	2.46E-06	9.59E-04
443	488819.6	3857300.76	2.12E-03	1.66E-08	1.11E-05	2.49E-06	2.13E-03	1.01E-03	7.31E-03	8.29E-04	9.14E-05	9.24E-03	9.59E-04	1.37E-08	1.11E-05	2.49E-06	9.73E-04
444	488869.6	3857300.76	2.08E-03	1.64E-08	1.21E-05	2.49E-06	2.09E-03	9.87E-04	7.24E-03	9.05E-04	9.14E-05	9.23E-03	9.40E-04	1.36E-08	1.21E-05	2.49E-06	9.54E-04
445	488919.6	3857300.76	2.03E-03	1.63E-08	1.31E-05	2.49E-06	2.05E-03	9.67E-04	7.19E-03	9.79E-04	9.15E-05	9.22E-03	9.20E-04	1.35E-08	1.31E-05	2.49E-06	9.36E-04
446	488819.6	3857450.76	1.80E-03	1.78E-08	2.25E-05	2.64E-06	1.82E-03	8.53E-04	7.84E-03	1.69E-03	9.68E-05	1.05E-02	8.12E-04	1.47E-08	2.25E-05	2.64E-06	8.37E-04
447	488869.6	3857450.76	1.77E-03	1.76E-08	2.41E-05	2.64E-06	1.79E-03	8.40E-04	7.77E-03	1.81E-03	9.67E-05	1.05E-02	7.99E-04	1.46E-08	2.41E-05	2.64E-06	8.26E-04
448	488919.6	3857450.76	1.74E-03	1.75E-08	2.55E-05	2.64E-06	1.77E-03	8.26E-04	7.71E-03	1.91E-03	9.67E-05	1.05E-02	7.86E-04	1.45E-08	2.55E-05	2.64E-06	8.14E-04
449	488819.6	3857500.76	1.69E-03	1.82E-08	2.91E-05	2.70E-06	1.72E-03	8.05E-04	8.02E-03	2.18E-03	9.91E-05	1.11E-02	7.66E-04	1.51E-08	2.91E-05	2.70E-06	7.97E-04
450	488869.6	3857500.76	1.67E-03	1.81E-08	3.08E-05	2.70E-06	1.70E-03	7.92E-04	7.97E-03	2.31E-03	9.91E-05	1.12E-02	7.54E-04	1.49E-08	3.08E-05	2.70E-06	7.87E-04
451	488919.6	3857500.76	1.64E-03	1.80E-08	3.20E-05	2.70E-06	1.68E-03	7.80E-04	7.91E-03	2.40E-03	9.91E-05	1.12E-02	7.43E-04	1.48E-08	3.20E-05	2.70E-06	7.77E-04
452	488819.6	3857550.76	1.59E-03	1.87E-08	3.77E-05	2.78E-06	1.63E-03	7.57E-04	8.24E-03	2.82E-03	1.02E-04	1.19E-02	7.20E-04	1.54E-08	3.77E-05	2.78E-06	7.61E-04
453	488869.6	3857550.76	1.57E-03	1.86E-08	3.90E-05	2.78E-06	1.61E-03	7.47E-04	8.17E-03	2.93E-03	1.02E-04	1.19E-02	7.11E-04	1.53E-08	3.90E-05	2.78E-06	7.52E-04
454	488919.6	3857550.76	1.55E-03	1.84E-08	3.99E-05	2.78E-06	1.59E-03	7.36E-04	8.12E-03	2.99E-03	1.02E-04	1.19E-02	7.01E-04	1.52E-08	3.99E-05	2.78E-06	7.43E-04
455	489663.71	3860900.05	1.48E-04	2.15E-08	6.04E-07	1.64E-06	1.50E-04	7.03E-05	9.47E-03	4.53E-05	6.02E-05	9.65E-03	6.69E-05	1.78E-08	6.04E-07	1.64E-06	6.91E-05
456	489813.71	3860900.05	1.49E-04	2.10E-08	6.74E-07	1.60E-06	1.51E-04	7.07E-05	9.23E-03	5.06E-05	5.87E-05	9.41E-03	6.72E-05	1.73E-08	6.74E-07	1.60E-06	6.95E-05
457	489863.71	3860900.05	1.49E-04	2.07E-08	6.96E-07	1.59E-06	1.51E-04	7.07E-05	9.12E-03	5.22E-05	5.83E-05	9.30E-03	6.72E-05	1.71E-08	6.96E-07	1.59E-06	6.96E-05
458	489913.71	3860900.05	1.49E-04	2.05E-08	7.19E-07	1.58E-06	1.51E-04	7.09E-05	9.05E-03	5.39E-05	5.80E-05	9.23E-03	6.74E-05	1.70E-08	7.19E-07	1.58E-06	6.97E-05
459	489963.71	3860900.05	1.49E-04	2.03E-08	7.37E-07	1.57E-06	1.51E-04	7.08E-05	8.94E-03	5.53E-05	5.76E-05	9.12E-03	6.74E-05	1.68E-08	7.37E-07	1.57E-06	6.97E-05
460	490013.71	3860900.05	1.49E-04	2.01E-08	7.55E-07	1.56E-06	1.52E-04	7.10E-05	8.86E-03	5.66E-05	5.74E-05	9.05E-03	6.76E-05	1.66E-08	7.55E-07	1.56E-06	6.99E-05
461	490063.71	3860900.05	1.50E-04	1.99E-08	7.71E-07	1.56E-06	1.52E-04	7.11E-05	8.77E-03	5.78E-05	5.71E-05	8.95E-03	6.77E-05	1.64E-08	7.71E-07	1.56E-06	7.00E-05
462	489663.71	3860950.05	1.45E-04	1.96E-08	5.83E-07	1.50E-06	1.47E-04	6.89E-05	8.62E-03	4.38E-05	5.51E-05	8.78E-03	6.56E-05	1.62E-08	5.83E-07	1.50E-06	6.77E-05
463	489813.71	3860950.05	1.46E-04	1.92E-08	6.51E-07	1.48E-06	1.48E-04	6.93E-05	8.44E-03	4.89E-05	5.41E-05	8.62E-03	6.60E-05	1.58E-08	6.51E-07	1.48E-06	6.81E-05
464	489863.71	3860950.05	1.46E-04	1.90E-08	6.74E-07	1.46E-06	1.48E-04	6.93E-05	8.36E-03	5.05E-05	5.36E-05	8.54E-03	6.60E-05	1.57E-08	6.74E-07	1.46E-06	6.81E-05
465	489913.71	3860950.05	1.46E-04	1.89E-08	6.96E-07	1.46E-06	1.48E-04	6.95E-05	8.31E-03	5.22E-05	5.34E-05	8.48E-03	6.61E-05	1.56E-08	6.96E-07	1.46E-06	6.83E-05
466	489963.71	3860950.05	1.46E-04	1.87E-08	7.15E-07	1.45E-06	1.48E-04	6.95E-05	8.24E-03	5.36E-05	5.31E-05	8.41E-03	6.61E-05	1.54E-08	7.15E-07	1.45E-06	6.83E-05
467	490013.71	3860950.05	1.46E-04	1.86E-08	7.34E-07	1.44E-06	1.49E-04	6.96E-05	8.17E-03	5.50E-05	5.29E-05	8.35E-03	6.62E-05	1.53E-08	7.34E-07	1.44E-06	6.84E-05
468	490063.71	3860950.05	1.47E-04	1.84E-08	7.50E-07	1.44E-06	1.49E-04	6.97E-05	8.11E-03	5.63E-05	5.27E-05	8.29E-03	6.63E-05	1.52E-08	7.50E-07	1.44E-06	6.85E-05
469	489513.71	3861000.05	1.42E-04	1.82E-08	5.10E-07	1.39E-06	1.44E-04	6.73E-05	8.00E-03	3.83E-05	5.10E-05	8.15E-03	6.40E-05	1.50E-08	5.10E-07	1.39E-06	6.60E-05
470	489563.71	3861000.05	1.42E-04	1.81E-08	5.26E-07	1.39E-06	1.44E-04	6.74E-05	7.96E-03	3.95E-05	5.09E-05	8.12E-03	6.41E-05	1.49E-08	5.26E-07	1.39E-06	6.60E-05
471	489613.71	3861000.05	1.42E-04	1.80E-08	5.45E-07	1.38E-06	1.44E-04	6.76E-05	7.93E-03	4.09E-05	5.08E-05	8.09E-03	6.43E-05	1.49E-08	5.45E-07	1.38E-06	6.62E-05
472	489663.71	3861000.05	1.42E-04	1.79E-08	5.65E-07	1.38E-06	1.44E-04	6.77E-05	7.89E-03	4.24E-05	5.06E-05	8.05E-03	6.44E-05	1.48E-08	5.65E-07	1.38E-06	6.63E-05
473	489713.71	3861000.05	1.42E-04	1.78E-08	5.85E-07	1.38E-06	1.44E-04	6.77E-05	7.84E-03	4.39E-05	5.05E-05	8.00E-03	6.45E-05	1.47E-08	5.85E-07	1.38E-06	6.64E-05
474	489763.71	3861000.05	1.43E-04	1.77E-08	6.07E-07	1.37E-06	1.45E-04	6.79E-05	7.79E-03	4.55E-05	5.02E-05	7.95E-03	6.46E-05	1.46E-08	6.07E-07	1.37E-06	6.66E-05
475	489813.71	3861000.05	1.43E-04	1.76E-08	6.30E-07	1.36E-06	1.45E-04	6.81E-05	7.76E-03	4.73E-05	5.00E-05	7.93E-03	6.48E-05	1.46E-08	6.30E-07	1.36E-06	6.68E-05
476	489863.71	3861000.05	1.43E-04	1.75E-08	6.51E-07	1.36E-06	1.45E-04	6.81E-05	7.70E-03	4.89E-05	4.97E-05	7.87E-03	6.48E-05	1.44E-08	6.51E-07	1.36E-06	6.68E-05
477	489913.71	3861000.05	1.44E-04	1.74E-08	6.74E-07	1.35E-06	1.46E-04	6.82E-05	7.66E-03	5.06E-05	4.94E-05	7.83E-03	6.49E-05	1.44E-08	6.74E-07	1.35E-06	6.70E-05
478	489963.71	3861000.05	1.43E-04	1.73E-08	6.94E-07	1.34E-06	1.46E-04	6.82E-05	7.60E-03	5.20E-05	4.92E-05	7.77E-03	6.49E-05	1.43E-08	6.94E-07	1.34E-06	6.70E-05
479	490013.71	3861000.05	1.44E-04	1.72E-08	7.14E-07	1.34E-06	1.46E-04	6.83E-05	7.56E-03	5.35E-05	4.90E-05	7.73E-03	6.50E-05	1.42E-08	7.14E-07	1.34E-06	6.71E-05
480	490063.71	3861000.05	1.44E-04	1.70E-08	7.31E-07	1.33E-06	1.46E-04	6.84E-05	7.51E-03	5.48E-05	4.88E-05	7.68E-03	6.50E-05	1.41E-08	7.31E-07	1.33E-06	6.71E-05
481	489513.71	3861050.05	1.39E-04	1.67E-08	4.97E-07	1.29E-06	1.41E-04	6.62E-05	7.34E-03	3.73E-05	4.71E-05	7.49E-03	6.29E-05	1.38E-08	4.97E-07	1.29E-06	6.47E-05
482	489563.71	3861050.05	1.39E-04	1.66E-08	5.11E-07	1.28E-06	1.41E-04	6.62E-05	7.31E-03	3.83E-05	4.69E-05	7.46E-03	6.30E-05	1.37E-08	5.11E-07	1.28E-06	6.48E-05
483	489613.71	3861050.05	1.40E-04	1.66E-08	5.29E-07	1.28E-06	1.42E-04	6.64E-05	7.30E-03	3.97E-05	4.69E-05	7.45E-03	6.32E-05	1.37E-08	5.29E-07	1.28E-06	6.50E-05
484	489663.71	3861050.05	1.40E-04	1.65E-08	5.46E-07	1.27E-06	1.42E-04	6.64E-05	7.26E-03	4.10E-05	4.67E-05	7.41E-03	6.32E-05	1.36E-08	5.46E-07	1.27E-06	6.50E-05

485	489713.71	3861050.05	1.40E-04	1.64E-08	5.66E-07	1.27E-06	1.42E-04	6.65E-05	7.21E-03	4.24E-05	4.66E-05	7.37E-03	6.33E-05	1.35E-08	5.66E-07	1.27E-06	6.51E-05
486	489763.71	3861050.05	1.40E-04	1.63E-08	5.87E-07	1.27E-06	1.42E-04	6.66E-05	7.18E-03	4.40E-05	4.65E-05	7.34E-03	6.34E-05	1.35E-08	5.87E-07	1.27E-06	6.53E-05
487	489813.71	3861050.05	1.40E-04	1.62E-08	6.09E-07	1.26E-06	1.42E-04	6.68E-05	7.15E-03	4.57E-05	4.64E-05	7.31E-03	6.35E-05	1.34E-08	6.09E-07	1.26E-06	6.54E-05
488	489863.71	3861050.05	1.41E-04	1.62E-08	6.30E-07	1.26E-06	1.43E-04	6.68E-05	7.11E-03	4.73E-05	4.62E-05	7.27E-03	6.36E-05	1.33E-08	6.30E-07	1.26E-06	6.55E-05
489	489913.71	3861050.05	1.41E-04	1.61E-08	6.52E-07	1.25E-06	1.43E-04	6.69E-05	7.08E-03	4.89E-05	4.60E-05	7.24E-03	6.37E-05	1.33E-08	6.52E-07	1.25E-06	6.56E-05
490	489963.71	3861050.05	1.41E-04	1.60E-08	6.73E-07	1.25E-06	1.43E-04	6.70E-05	7.04E-03	5.05E-05	4.58E-05	7.20E-03	6.37E-05	1.32E-08	6.73E-07	1.25E-06	6.57E-05
491	490013.71	3861050.05	1.41E-04	1.59E-08	6.93E-07	1.24E-06	1.43E-04	6.71E-05	7.01E-03	5.20E-05	4.56E-05	7.18E-03	6.39E-05	1.31E-08	6.93E-07	1.24E-06	6.58E-05
492	490063.71	3861050.05	1.41E-04	1.58E-08	7.11E-07	1.24E-06	1.43E-04	6.71E-05	6.97E-03	5.33E-05	4.55E-05	7.14E-03	6.39E-05	1.31E-08	7.11E-07	1.24E-06	6.59E-05
493	489513.71	3861100.05	1.37E-04	1.54E-08	4.84E-07	1.20E-06	1.39E-04	6.51E-05	6.78E-03	3.63E-05	4.40E-05	6.93E-03	6.20E-05	1.27E-08	4.84E-07	1.20E-06	6.37E-05
494	489563.71	3861100.05	1.37E-04	1.53E-08	4.97E-07	1.19E-06	1.38E-04	6.50E-05	6.75E-03	3.73E-05	4.37E-05	6.89E-03	6.19E-05	1.27E-08	4.97E-07	1.19E-06	6.36E-05
495	489613.71	3861100.05	1.37E-04	1.52E-08	5.11E-07	1.18E-06	1.38E-04	6.49E-05	6.70E-03	3.83E-05	4.34E-05	6.85E-03	6.18E-05	1.26E-08	5.11E-07	1.18E-06	6.35E-05
496	489663.71	3861100.05	1.37E-04	1.52E-08	5.28E-07	1.18E-06	1.39E-04	6.51E-05	6.68E-03	3.96E-05	4.33E-05	6.83E-03	6.19E-05	1.25E-08	5.28E-07	1.18E-06	6.36E-05
497	489713.71	3861100.05	1.37E-04	1.51E-08	5.47E-07	1.18E-06	1.39E-04	6.52E-05	6.66E-03	4.10E-05	4.32E-05	6.81E-03	6.20E-05	1.25E-08	5.47E-07	1.18E-06	6.38E-05
498	489763.71	3861100.05	1.37E-04	1.51E-08	5.67E-07	1.18E-06	1.39E-04	6.53E-05	6.64E-03	4.25E-05	4.32E-05	6.79E-03	6.21E-05	1.25E-08	5.67E-07	1.18E-06	6.39E-05
499	489813.71	3861100.05	1.38E-04	1.50E-08	5.89E-07	1.18E-06	1.40E-04	6.55E-05	6.62E-03	4.41E-05	4.31E-05	6.77E-03	6.23E-05	1.24E-08	5.89E-07	1.18E-06	6.41E-05
500	489863.71	3861100.05	1.38E-04	1.50E-08	6.11E-07	1.18E-06	1.40E-04	6.57E-05	6.60E-03	4.58E-05	4.31E-05	6.76E-03	6.25E-05	1.24E-08	6.11E-07	1.18E-06	6.43E-05
501	489913.71	3861100.05	1.38E-04	1.49E-08	6.31E-07	1.17E-06	1.40E-04	6.57E-05	6.56E-03	4.73E-05	4.29E-05	6.72E-03	6.25E-05	1.23E-08	6.31E-07	1.17E-06	6.43E-05
502	489963.71	3861100.05	1.38E-04	1.48E-08	6.52E-07	1.17E-06	1.40E-04	6.58E-05	6.54E-03	4.89E-05	4.28E-05	6.69E-03	6.26E-05	1.23E-08	6.52E-07	1.17E-06	6.44E-05
503	490013.71	3861100.05	1.38E-04	1.48E-08	6.72E-07	1.16E-06	1.40E-04	6.58E-05	6.50E-03	5.04E-05	4.26E-05	6.66E-03	6.26E-05	1.22E-08	6.72E-07	1.16E-06	6.44E-05
504	490063.71	3861100.05	1.38E-04	1.47E-08	6.91E-07	1.16E-06	1.40E-04	6.58E-05	6.48E-03	5.18E-05	4.25E-05	6.64E-03	6.26E-05	1.21E-08	6.91E-07	1.16E-06	6.45E-05
505	489713.71	3861150.05	1.35E-04	1.40E-08	5.30E-07	1.10E-06	1.36E-04	6.39E-05	6.18E-03	3.97E-05	4.04E-05	6.33E-03	6.08E-05	1.16E-08	5.30E-07	1.10E-06	6.25E-05
506	489763.71	3861150.05	1.35E-04	1.40E-08	5.49E-07	1.10E-06	1.37E-04	6.41E-05	6.17E-03	4.11E-05	4.03E-05	6.32E-03	6.10E-05	1.16E-08	5.49E-07	1.10E-06	6.27E-05
507	489813.71	3861150.05	1.35E-04	1.40E-08	5.69E-07	1.10E-06	1.37E-04	6.43E-05	6.16E-03	4.27E-05	4.03E-05	6.30E-03	6.12E-05	1.15E-08	5.69E-07	1.10E-06	6.28E-05
508	489863.71	3861150.05	1.35E-04	1.39E-08	5.89E-07	1.10E-06	1.37E-04	6.44E-05	6.14E-03	4.42E-05	4.03E-05	6.28E-03	6.13E-05	1.15E-08	5.89E-07	1.10E-06	6.30E-05
509	489913.71	3861150.05	1.36E-04	1.39E-08	6.11E-07	1.10E-06	1.37E-04	6.45E-05	6.11E-03	4.58E-05	4.02E-05	6.26E-03	6.13E-05	1.15E-08	6.11E-07	1.10E-06	6.31E-05
510	489963.71	3861150.05	1.36E-04	1.38E-08	6.31E-07	1.09E-06	1.37E-04	6.45E-05	6.08E-03	4.73E-05	4.01E-05	6.23E-03	6.14E-05	1.14E-08	6.31E-07	1.09E-06	6.31E-05
511	490013.71	3861150.05	1.36E-04	1.37E-08	6.51E-07	1.09E-06	1.38E-04	6.45E-05	6.06E-03	4.88E-05	3.99E-05	6.21E-03	6.14E-05	1.14E-08	6.51E-07	1.09E-06	6.32E-05
512	490063.71	3861150.05	1.36E-04	1.37E-08	6.70E-07	1.09E-06	1.38E-04	6.46E-05	6.04E-03	5.03E-05	3.98E-05	6.19E-03	6.15E-05	1.13E-08	6.70E-07	1.09E-06	6.33E-05
513	489613.71	3861200.05	1.31E-04	1.31E-08	4.81E-07	1.04E-06	1.33E-04	6.25E-05	5.77E-03	3.61E-05	3.82E-05	5.91E-03	5.95E-05	1.08E-08	4.81E-07	1.04E-06	6.10E-05
514	489663.71	3861200.05	1.32E-04	1.31E-08	4.97E-07	1.04E-06	1.33E-04	6.26E-05	5.77E-03	3.73E-05	3.81E-05	5.91E-03	5.96E-05	1.08E-08	4.97E-07	1.04E-06	6.11E-05
515	489713.71	3861200.05	1.32E-04	1.31E-08	5.13E-07	1.04E-06	1.34E-04	6.28E-05	5.76E-03	3.85E-05	3.80E-05	5.90E-03	5.97E-05	1.08E-08	5.13E-07	1.04E-06	6.13E-05
516	489763.71	3861200.05	1.32E-04	1.31E-08	5.31E-07	1.03E-06	1.34E-04	6.29E-05	5.76E-03	3.98E-05	3.79E-05	5.90E-03	5.99E-05	1.08E-08	5.31E-07	1.03E-06	6.14E-05
517	489813.71	3861200.05	1.33E-04	1.30E-08	5.50E-07	1.03E-06	1.34E-04	6.31E-05	5.75E-03	4.13E-05	3.79E-05	5.89E-03	6.00E-05	1.08E-08	5.50E-07	1.03E-06	6.16E-05
518	489863.71	3861200.05	1.33E-04	1.30E-08	5.71E-07	1.03E-06	1.35E-04	6.33E-05	5.74E-03	4.28E-05	3.79E-05	5.88E-03	6.02E-05	1.08E-08	5.71E-07	1.03E-06	6.18E-05
519	489913.71	3861200.05	1.33E-04	1.30E-08	5.91E-07	1.03E-06	1.35E-04	6.33E-05	5.71E-03	4.43E-05	3.78E-05	5.86E-03	6.03E-05	1.07E-08	5.91E-07	1.03E-06	6.19E-05
520	489963.71	3861200.05	1.33E-04	1.29E-08	6.11E-07	1.03E-06	1.35E-04	6.34E-05	5.69E-03	4.58E-05	3.77E-05	5.84E-03	6.03E-05	1.07E-08	6.11E-07	1.03E-06	6.19E-05
521	490013.71	3861200.05	1.33E-04	1.29E-08	6.31E-07	1.03E-06	1.35E-04	6.34E-05	5.67E-03	4.73E-05	3.76E-05	5.82E-03	6.04E-05	1.06E-08	6.31E-07	1.03E-06	6.20E-05
522	490063.71	3861200.05	1.34E-04	1.28E-08	6.51E-07	1.02E-06	1.35E-04	6.35E-05	5.65E-03	4.88E-05	3.75E-05	5.80E-03	6.04E-05	1.06E-08	6.51E-07	1.02E-06	6.21E-05
523	489513.71	3861250.05	1.29E-04	1.22E-08	4.44E-07	9.84E-07	1.30E-04	6.11E-05	5.38E-03	3.33E-05	3.61E-05	5.51E-03	5.82E-05	1.01E-08	4.44E-07	9.84E-07	5.96E-05
524	489563.71	3861250.05	1.29E-04	1.22E-08	4.55E-07	9.87E-07	1.30E-04	6.13E-05	5.39E-03	3.41E-05	3.62E-05	5.53E-03	5.83E-05	1.01E-08	4.55E-07	9.87E-07	5.98E-05
525	489613.71	3861250.05	1.29E-04	1.23E-08	4.68E-07	9.86E-07	1.31E-04	6.14E-05	5.40E-03	3.51E-05	3.62E-05	5.53E-03	5.84E-05	1.01E-08	4.68E-07	9.86E-07	5.99E-05
526	489663.71	3861250.05	1.29E-04	1.23E-08	4.82E-07	9.83E-07	1.31E-04	6.15E-05	5.40E-03	3.62E-05	3.61E-05	5.53E-03	5.85E-05	1.01E-08	4.82E-07	9.83E-07	6.00E-05
527	489713.71	3861250.05	1.30E-04	1.22E-08	4.98E-07	9.80E-07	1.31E-04	6.16E-05	5.39E-03	3.73E-05	3.59E-05	5.53E-03	5.86E-05	1.01E-08	4.98E-07	9.80E-07	6.01E-05
528	489763.71	3861250.05	1.30E-04	1.22E-08	5.15E-07	9.78E-07	1.31E-04	6.18E-05	5.39E-03	3.86E-05	3.59E-05	5.52E-03	5.88E-05	1.01E-08	5.15E-07	9.78E-07	6.03E-05
529	489813.71	3861250.05	1.30E-04	1.22E-08	5.32E-07	9.76E-07	1.32E-04	6.19E-05	5.38E-03	3.99E-05	3.58E-05	5.52E-03	5.89E-05	1.01E-08	5.32E-07	9.76E-07	6.04E-05
530	489863.71	3861250.05	1.30E-04	1.22E-08	5.52E-07	9.75E-07	1.32E-04	6.20E-05	5.37E-03	4.14E-05	3.57E-05	5.51E-03	5.90E-05	1.01E-08	5.52E-07	9.75E-07	6.06E-05
531	489913.71	3861250.05	1.31E-04	1.22E-08	5.72E-07	9.74E-07	1.32E-04	6.22E-05	5.36E-03	4.29E-05	3.57E-05	5.50E-03	5.92E-05	1.01E-08	5.72E-07	9.74E-07	6.07E-05
532	489963.71	3861250.05	1.31E-04	1.21E-08	5.92E-07	9.73E-07	1.33E-04	6.23E-05	5.35E-03	4.44E-05	3.57E-05	5.49E-03	5.93E-05	1.00E-08	5.92E-07	9.73E-07	6.09E-05
533	490013.71	3861250.05	1.31E-04	1.21E-08	6.12E-07	9.70E-07	1.33E-04	6.24E-05	5.33E-03	4.59E-05	3.56E-05	5.47E-03	5.93E-05	9.99E-09	6.12E-07	9.70E-07	6.09E-05
534	490063.71	3861250.05	1.31E-04	1.20E-08	6.31E-07	9.68E-07	1.33E-04	6.24E-05	5.30E-03	4.73E-05	3.55E-05	5.45E-03	5.93E-05	9.94E-09	6.31E-07	9.68E-07	6.09E-05
535	489528.13	3861308.47	1.26E-04	1.13E-08	4.35E-07	9.24E-07	1.27E-04	5.99E-05	4.99E-03	3.26E-05	3.39E-05	5.12E-03	5.70E-05	9.36E-09	4.35E-07	9.24E-07	5.84E-05
536	489578.13	3861308.47	1.26E-04	1.14E-08	4.45E-07	9.27E-07	1.28E-04	6.00E-05	5.00E-03	3.34E-05	3.40E-05	5.13E-03	5.71E-05	9.38E-09	4.45E-07	9.27E-07	5.85E-05
537	489628.13	3861308.47	1.26E-04	1.14E-08	4.57E-07	9.27E-07	1.28E-04	6.01E-05	5.00E-03	3.43E-05	3.40E-05	5.13E-03	5.72E-05	9.38E-09	4.57E-07	9.27E-07	5.86E-05
538	489678.13	3861308.47	1.27E-04	1.14E-08	4.70E-07	9.26E-07	1.28E-04	6.02E-05	5.01E-03	3.53E-05	3.39E-05	5.14E-03	5.73E-05	9.39E-09	4.70E-07	9.26E-07	5.87E-05
539	489728.13	3861308.47	1.27E-04	1.14E-08	4.85E-07	9.24E-07	1.28E-04	6.04E-05	5.01E-03	3.64E-05	3.39E-05	5.14E-03	5.75E-05	9.40E-09	4.85E-07	9.24E-07	5.89E-05
540	489778.13	3861308.47	1.27E-04	1.14E-08	5.01E-07	9.21E-07	1.29E-04	6.05E-05	5.01E-03	3.76E-05	3.38E-05	5.14E-03	5.76E-05	9.39E-09	5.01E-07	9.21E-07	5.90E-05
541	489678.13	3861358.47	1.24E-04	1.07E-08	4.58E-07	8.83E-07	1.26E-04	5.92E-05	4.71E-03	3.43E-05	3.24E-05	4.84E-03	5.63E-05	8.84E-09	4.58E-07	8.83E-07	5.77E-05
542	489728.13	3861358.47	1.25E-04	1.07E-08	4.71E-07	8.81E-07	1.26E-04	5.93E-05	4.72E-03	3.53E-05	3.23E-05	4.84E-03	5.64E-05	8.85E-09	4.71E-07	8.81E-07	5.78E-05
543	489528.13	3861408.47	1.22E-04	1.00E-08	4.14E-07	8.39E-07	1.23E-04	5.78E-05	4.42E-03	3.11E-05	3.08E-05	4.54E-03	5.50E-05	8.30E-09	4.14E-07	8.39E-07	5.63E-05
544	489578.13	3861408.47	1.22E-04	1.01E-08	4.24E-07	8.41E-07	1.23E-04	5.79E-05	4.43E-03	3.18E-05	3.08E-05	4.55E-03	5.51E-05	8.32E-09	4.24E-07	8.41E-07	5.64E-05
545	489628.13	3861408.47	1.22E-04	1.01E-08	4.34E-07	8.44E-07	1.23E-04	5.81E-05	4.45E-03	3.25E-05	3.09E-05	4.57E-03	5.53E-05	8.35E-09	4.34E-07	8.44E-07	5.66E-05

546	489678.13	3861408.47	1.22E-04	1.01E-08	4.45E-07	8.44E-07	1.24E-04	5.82E-05	4.45E-03	3.34E-05	3.09E-05	4.57E-03	5.53E-05	8.35E-09	4.45E-07	8.44E-07	5.66E-05
547	489728.13	3861408.47	1.22E-04	1.01E-08	4.58E-07	8.43E-07	1.24E-04	5.82E-05	4.45E-03	3.43E-05	3.09E-05	4.58E-03	5.54E-05	8.35E-09	4.58E-07	8.43E-07	5.67E-05
548	489528.13	3861458.47	1.20E-04	9.51E-09	4.06E-07	8.03E-07	1.21E-04	5.69E-05	4.19E-03	3.04E-05	2.95E-05	4.31E-03	5.41E-05	7.86E-09	4.06E-07	8.03E-07	5.53E-05
549	489578.13	3861458.47	1.20E-04	9.54E-09	4.13E-07	8.06E-07	1.21E-04	5.70E-05	4.20E-03	3.10E-05	2.96E-05	4.32E-03	5.42E-05	7.88E-09	4.13E-07	8.06E-07	5.54E-05
550	489628.13	3861458.47	1.20E-04	9.55E-09	4.24E-07	8.08E-07	1.21E-04	5.71E-05	4.21E-03	3.18E-05	2.96E-05	4.33E-03	5.43E-05	7.89E-09	4.24E-07	8.08E-07	5.55E-05
551	489678.13	3861458.47	1.20E-04	9.56E-09	4.34E-07	8.09E-07	1.21E-04	5.71E-05	4.21E-03	3.25E-05	2.96E-05	4.33E-03	5.44E-05	7.90E-09	4.34E-07	8.09E-07	5.56E-05
552	489728.13	3861458.47	1.20E-04	9.56E-09	4.45E-07	8.08E-07	1.21E-04	5.71E-05	4.21E-03	3.34E-05	2.96E-05	4.33E-03	5.44E-05	7.89E-09	4.45E-07	8.08E-07	5.56E-05
553	489528.13	3861508.47	1.18E-04	9.03E-09	3.97E-07	7.71E-07	1.19E-04	5.59E-05	3.98E-03	2.98E-05	2.83E-05	4.09E-03	5.32E-05	7.46E-09	3.97E-07	7.71E-07	5.44E-05
554	489578.13	3861508.47	1.18E-04	9.04E-09	4.05E-07	7.73E-07	1.19E-04	5.60E-05	3.98E-03	3.04E-05	2.84E-05	4.10E-03	5.33E-05	7.47E-09	4.05E-07	7.73E-07	5.45E-05
555	489628.13	3861508.47	1.18E-04	9.05E-09	4.12E-07	7.75E-07	1.19E-04	5.61E-05	3.99E-03	3.09E-05	2.84E-05	4.10E-03	5.33E-05	7.48E-09	4.12E-07	7.75E-07	5.45E-05
556	489678.13	3861508.47	1.18E-04	9.06E-09	4.23E-07	7.77E-07	1.19E-04	5.61E-05	3.99E-03	3.17E-05	2.85E-05	4.11E-03	5.34E-05	7.48E-09	4.23E-07	7.77E-07	5.46E-05
557	489728.13	3861508.47	1.18E-04	9.07E-09	4.33E-07	7.77E-07	1.19E-04	5.62E-05	3.99E-03	3.25E-05	2.85E-05	4.11E-03	5.34E-05	7.49E-09	4.33E-07	7.77E-07	5.47E-05
558	489628.13	3861558.47	1.16E-04	8.62E-09	4.04E-07	7.47E-07	1.17E-04	5.52E-05	3.79E-03	3.03E-05	2.74E-05	3.91E-03	5.25E-05	7.12E-09	4.04E-07	7.47E-07	5.37E-05
559	489678.13	3861558.47	1.16E-04	8.64E-09	4.13E-07	7.49E-07	1.17E-04	5.53E-05	3.80E-03	3.10E-05	2.75E-05	3.92E-03	5.26E-05	7.13E-09	4.13E-07	7.49E-07	5.38E-05
560	489728.13	3861558.47	1.16E-04	8.65E-09	4.23E-07	7.49E-07	1.18E-04	5.53E-05	3.81E-03	3.17E-05	2.75E-05	3.92E-03	5.27E-05	7.14E-09	4.23E-07	7.49E-07	5.38E-05
561	489357.08	3861015.81	1.40E-04	1.78E-08	4.66E-07	1.37E-06	1.42E-04	6.67E-05	7.84E-03	3.50E-05	5.02E-05	8.00E-03	6.34E-05	1.47E-08	4.66E-07	1.37E-06	6.53E-05
562	489407.08	3861015.81	1.40E-04	1.77E-08	4.77E-07	1.36E-06	1.42E-04	6.67E-05	7.81E-03	3.58E-05	5.00E-05	7.96E-03	6.34E-05	1.46E-08	4.77E-07	1.36E-06	6.53E-05
563	489457.08	3861015.81	1.40E-04	1.77E-08	4.89E-07	1.36E-06	1.42E-04	6.67E-05	7.79E-03	3.67E-05	4.99E-05	7.94E-03	6.35E-05	1.46E-08	4.89E-07	1.36E-06	6.54E-05
564	489357.08	3861065.81	1.38E-04	1.63E-08	4.56E-07	1.26E-06	1.40E-04	6.55E-05	7.18E-03	3.42E-05	4.63E-05	7.33E-03	6.23E-05	1.35E-08	4.56E-07	1.26E-06	6.41E-05
565	489407.08	3861065.81	1.38E-04	1.63E-08	4.65E-07	1.26E-06	1.39E-04	6.55E-05	7.16E-03	3.49E-05	4.62E-05	7.30E-03	6.23E-05	1.34E-08	4.65E-07	1.26E-06	6.40E-05
566	489457.08	3861065.81	1.38E-04	1.62E-08	4.76E-07	1.26E-06	1.40E-04	6.55E-05	7.14E-03	3.57E-05	4.61E-05	7.29E-03	6.24E-05	1.34E-08	4.76E-07	1.26E-06	6.41E-05
567	489357.08	3861115.81	1.35E-04	1.50E-08	4.45E-07	1.17E-06	1.37E-04	6.43E-05	6.61E-03	3.34E-05	4.29E-05	6.75E-03	6.12E-05	1.24E-08	4.45E-07	1.17E-06	6.28E-05
568	489407.08	3861115.81	1.35E-04	1.50E-08	4.54E-07	1.17E-06	1.37E-04	6.44E-05	6.61E-03	3.41E-05	4.30E-05	6.75E-03	6.13E-05	1.24E-08	4.54E-07	1.17E-06	6.29E-05
569	489457.08	3861115.81	1.36E-04	1.50E-08	4.64E-07	1.17E-06	1.37E-04	6.45E-05	6.60E-03	3.48E-05	4.30E-05	6.74E-03	6.13E-05	1.24E-08	4.64E-07	1.17E-06	6.30E-05
570	489407.08	3861165.81	1.33E-04	1.39E-08	4.44E-07	1.10E-06	1.35E-04	6.33E-05	6.13E-03	3.33E-05	4.02E-05	6.26E-03	6.03E-05	1.15E-08	4.44E-07	1.10E-06	6.18E-05
571	489457.08	3861165.81	1.33E-04	1.39E-08	4.53E-07	1.10E-06	1.35E-04	6.33E-05	6.12E-03	3.40E-05	4.02E-05	6.25E-03	6.03E-05	1.15E-08	4.53E-07	1.10E-06	6.18E-05
572	489407.08	3861215.81	1.30E-04	1.29E-08	4.33E-07	1.02E-06	1.32E-04	6.19E-05	5.66E-03	3.25E-05	3.75E-05	5.80E-03	5.89E-05	1.06E-08	4.33E-07	1.02E-06	6.04E-05
573	489457.08	3861215.81	1.30E-04	1.29E-08	4.41E-07	1.03E-06	1.32E-04	6.20E-05	5.66E-03	3.31E-05	3.76E-05	5.80E-03	5.90E-05	1.06E-08	4.41E-07	1.03E-06	6.05E-05
574	489407.08	3861265.81	1.27E-04	1.19E-08	4.22E-07	9.60E-07	1.29E-04	6.06E-05	5.26E-03	3.16E-05	3.52E-05	5.38E-03	5.76E-05	9.86E-09	4.22E-07	9.60E-07	5.90E-05
575	489457.08	3861265.81	1.28E-04	1.20E-08	4.29E-07	9.64E-07	1.29E-04	6.07E-05	5.27E-03	3.22E-05	3.54E-05	5.39E-03	5.78E-05	9.88E-09	4.29E-07	9.64E-07	5.92E-05
576	489309.86	3861110.14	1.35E-04	1.51E-08	4.39E-07	1.17E-06	1.37E-04	6.43E-05	6.66E-03	3.29E-05	4.30E-05	6.80E-03	6.12E-05	1.25E-08	4.39E-07	1.17E-06	6.28E-05
577	489407.08	3861315.81	1.25E-04	1.12E-08	4.13E-07	9.09E-07	1.26E-04	5.95E-05	4.93E-03	3.10E-05	3.33E-05	5.05E-03	5.66E-05	9.24E-09	4.13E-07	9.09E-07	5.79E-05
578	489457.08	3861315.81	1.25E-04	1.12E-08	4.20E-07	9.14E-07	1.27E-04	5.96E-05	4.94E-03	3.15E-05	3.35E-05	5.06E-03	5.67E-05	9.26E-09	4.20E-07	9.14E-07	5.81E-05
579	488906.03	3861006.75	1.39E-04	1.83E-08	4.56E-07	1.34E-06	1.41E-04	6.61E-05	8.06E-03	3.42E-05	4.91E-05	8.21E-03	6.29E-05	1.51E-08	4.56E-07	1.34E-06	6.47E-05
580	488956.03	3861006.75	1.40E-04	1.84E-08	4.52E-07	1.35E-06	1.42E-04	6.65E-05	8.11E-03	3.39E-05	4.93E-05	8.26E-03	6.33E-05	1.52E-08	4.52E-07	1.35E-06	6.51E-05
581	488904.24	3861051.87	1.39E-04	1.69E-08	4.58E-07	1.25E-06	1.40E-04	6.59E-05	7.43E-03	3.44E-05	4.60E-05	7.58E-03	6.27E-05	1.39E-08	4.58E-07	1.25E-06	6.44E-05
582	488954.24	3861051.87	1.38E-04	1.69E-08	4.49E-07	1.25E-06	1.40E-04	6.57E-05	7.45E-03	3.37E-05	4.60E-05	7.59E-03	6.25E-05	1.40E-08	4.49E-07	1.25E-06	6.42E-05
583	489004.24	3861051.87	1.39E-04	1.70E-08	4.46E-07	1.26E-06	1.41E-04	6.62E-05	7.47E-03	3.35E-05	4.61E-05	7.61E-03	6.30E-05	1.40E-08	4.46E-07	1.26E-06	6.47E-05
584	488804.24	3861101.87	1.34E-04	1.53E-08	4.64E-07	1.21E-06	1.35E-04	6.36E-05	6.74E-03	3.48E-05	4.43E-05	6.88E-03	6.05E-05	1.26E-08	4.64E-07	1.21E-06	6.22E-05
585	488854.24	3861101.87	1.35E-04	1.54E-08	4.58E-07	1.19E-06	1.36E-04	6.40E-05	6.77E-03	3.43E-05	4.36E-05	6.91E-03	6.09E-05	1.27E-08	4.58E-07	1.19E-06	6.26E-05
586	488904.24	3861101.87	1.34E-04	1.53E-08	4.46E-07	1.16E-06	1.35E-04	6.35E-05	6.72E-03	3.35E-05	4.25E-05	6.86E-03	6.05E-05	1.26E-08	4.46E-07	1.16E-06	6.21E-05
587	488954.24	3861101.87	1.34E-04	1.52E-08	4.40E-07	1.15E-06	1.35E-04	6.36E-05	6.71E-03	3.30E-05	4.21E-05	6.85E-03	6.05E-05	1.26E-08	4.40E-07	1.15E-06	6.21E-05
588	489004.24	3861101.87	1.34E-04	1.53E-08	4.35E-07	1.15E-06	1.36E-04	6.38E-05	6.72E-03	3.27E-05	4.21E-05	6.86E-03	6.07E-05	1.26E-08	4.35E-07	1.15E-06	6.23E-05
589	488804.24	3861151.87	1.29E-04	1.38E-08	4.52E-07	1.12E-06	1.31E-04	6.14E-05	6.09E-03	3.39E-05	4.10E-05	6.22E-03	5.85E-05	1.14E-08	4.52E-07	1.12E-06	6.00E-05
590	488854.24	3861151.87	1.30E-04	1.38E-08	4.46E-07	1.09E-06	1.31E-04	6.16E-05	6.09E-03	3.34E-05	4.01E-05	6.22E-03	5.86E-05	1.14E-08	4.46E-07	1.09E-06	6.01E-05
591	489129.49	3861187.55	1.30E-04	1.32E-08	4.18E-07	1.03E-06	1.31E-04	6.18E-05	5.82E-03	3.13E-05	3.76E-05	5.95E-03	5.88E-05	1.09E-08	4.18E-07	1.03E-06	6.02E-05
592	489179.49	3861187.55	1.30E-04	1.32E-08	4.17E-07	1.03E-06	1.32E-04	6.19E-05	5.83E-03	3.13E-05	3.79E-05	5.96E-03	5.89E-05	1.09E-08	4.17E-07	1.03E-06	6.04E-05
593	488804.24	3861201.87	1.27E-04	1.28E-08	4.48E-07	1.05E-06	1.28E-04	6.03E-05	5.64E-03	3.36E-05	3.86E-05	5.77E-03	5.74E-05	1.06E-08	4.48E-07	1.05E-06	5.89E-05
594	488854.24	3861201.87	1.27E-04	1.27E-08	4.41E-07	1.03E-06	1.28E-04	6.03E-05	5.61E-03	3.30E-05	3.78E-05	5.74E-03	5.73E-05	1.05E-08	4.41E-07	1.03E-06	5.88E-05
595	489129.49	3861237.55	1.28E-04	1.23E-08	4.13E-07	9.65E-07	1.29E-04	6.08E-05	5.43E-03	3.10E-05	3.54E-05	5.56E-03	5.78E-05	1.02E-08	4.13E-07	9.65E-07	5.92E-05
596	489179.49	3861237.55	1.28E-04	1.23E-08	4.11E-07	9.70E-07	1.29E-04	6.08E-05	5.43E-03	3.08E-05	3.56E-05	5.55E-03	5.78E-05	1.02E-08	4.11E-07	9.70E-07	5.92E-05
597	488804.24	3861251.87	1.25E-04	1.19E-08	4.45E-07	9.98E-07	1.26E-04	5.92E-05	5.26E-03	3.34E-05	3.66E-05	5.38E-03	5.64E-05	9.86E-09	4.45E-07	9.98E-07	5.78E-05
598	488854.24	3861251.87	1.24E-04	1.19E-08	4.37E-07	9.76E-07	1.26E-04	5.92E-05	5.23E-03	3.28E-05	3.58E-05	5.36E-03	5.63E-05	9.81E-09	4.37E-07	9.76E-07	5.77E-05
599	488804.24	3861301.87	1.22E-04	1.11E-08	4.41E-07	9.46E-07	1.24E-04	5.81E-05	4.90E-03	3.30E-05	3.47E-05	5.03E-03	5.52E-05	9.19E-09	4.41E-07	9.46E-07	5.66E-05
600	488854.24	3861301.87	1.22E-04	1.11E-08	4.33E-07	9.27E-07	1.24E-04	5.81E-05	4.89E-03	3.25E-05	3.40E-05	5.02E-03	5.53E-05	9.17E-09	4.33E-07	9.27E-07	5.66E-05
601	490943.5	3860181.97	1.95E-04	2.63E-08	1.15E-06	3.22E-06	1.99E-04	9.26E-05	1.16E-02	8.62E-05	1.18E-04	1.19E-02	8.81E-05	2.17E-08	1.15E-06	3.22E-06	9.25E-05
602	490993.5	3860181.97	1.94E-04	2.58E-08	1.15E-06	3.16E-06	1.98E-04	9.20E-05	1.13E-02	8.62E-05	1.16E-04	1.16E-02	8.76E-05	2.13E-08	1.15E-06	3.16E-06	9.19E-05
603	491043.5	3860181.97	1.93E-04	2.52E-08	1.15E-06	3.10E-06	1.97E-04	9.15E-05	1.11E-02	8.64E-05	1.14E-04	1.14E-02	8.71E-05	2.08E-08	1.15E-06	3.10E-06	9.14E-05
604	491093.5	3860181.97	1.91E-04	2.47E-08	1.15E-06	3.03E-06	1.96E-04	9.10E-05	1.09E-02	8.65E-05	1.11E-04	1.12E-02	8.66E-05	2.04E-08	1.15E-06	3.03E-06	9.08E-05
605	490943.5	3860231.97	1.92E-04	2.58E-08	1.12E-06	3.06E-06	1.96E-04	9.13E-05	1.14E-02	8.41E-05	1.12E-04	1.16E-02	8.68E-05	2.13E-08	1.12E-06	3.06E-06	9.10E-05
606	490993.5	3860231.97	1.91E-04	2.53E-08	1.12E-06	3.02E-06	1.95E-04	9.08E-05	1.11E-02	8.43E-05	1.11E-04	1.14E-02	8.64E-05	2.09E-08	1.12E-06	3.02E-06	9.06E-05

607	491043.5	3860231.97	1.90E-04	2.47E-08	1.12E-06	2.95E-06	1.94E-04	9.01E-05	1.09E-02	8.41E-05	1.08E-04	1.12E-02	8.58E-05	2.04E-08	1.12E-06	2.95E-06	8.99E-05
608	491093.5	3860231.97	1.88E-04	2.42E-08	1.12E-06	2.89E-06	1.92E-04	8.95E-05	1.07E-02	8.41E-05	1.06E-04	1.10E-02	8.52E-05	2.00E-08	1.12E-06	2.89E-06	8.92E-05
609	490943.5	3860281.97	1.89E-04	2.52E-08	1.10E-06	2.90E-06	1.93E-04	9.00E-05	1.11E-02	8.22E-05	1.06E-04	1.14E-02	8.57E-05	2.08E-08	1.10E-06	2.90E-06	8.97E-05
610	490993.5	3860281.97	1.88E-04	2.47E-08	1.10E-06	2.86E-06	1.92E-04	8.95E-05	1.09E-02	8.23E-05	1.05E-04	1.12E-02	8.52E-05	2.04E-08	1.10E-06	2.86E-06	8.92E-05
611	491043.5	3860281.97	1.87E-04	2.42E-08	1.10E-06	2.81E-06	1.91E-04	8.89E-05	1.07E-02	8.22E-05	1.03E-04	1.09E-02	8.46E-05	2.00E-08	1.10E-06	2.81E-06	8.85E-05
612	491093.5	3860281.97	1.86E-04	2.37E-08	1.09E-06	2.76E-06	1.89E-04	8.82E-05	1.04E-02	8.20E-05	1.01E-04	1.07E-02	8.40E-05	1.96E-08	1.09E-06	2.76E-06	8.78E-05
613	490943.5	3860331.97	1.87E-04	2.46E-08	1.07E-06	2.75E-06	1.91E-04	8.88E-05	1.08E-02	8.06E-05	1.01E-04	1.11E-02	8.45E-05	2.03E-08	1.07E-06	2.75E-06	8.84E-05
614	490993.5	3860331.97	1.85E-04	2.41E-08	1.07E-06	2.70E-06	1.89E-04	8.81E-05	1.06E-02	8.04E-05	9.90E-05	1.09E-02	8.39E-05	1.99E-08	1.07E-06	2.70E-06	8.76E-05
615	491043.5	3860331.97	1.84E-04	2.36E-08	1.07E-06	2.65E-06	1.88E-04	8.75E-05	1.04E-02	8.02E-05	9.73E-05	1.07E-02	8.32E-05	1.95E-08	1.07E-06	2.65E-06	8.70E-05
616	491093.5	3860331.97	1.83E-04	2.31E-08	1.07E-06	2.61E-06	1.86E-04	8.69E-05	1.02E-02	8.01E-05	9.57E-05	1.04E-02	8.27E-05	1.91E-08	1.07E-06	2.61E-06	8.64E-05
617	490086.72	3859935.12	2.38E-04	4.04E-08	1.22E-06	6.22E-06	2.45E-04	1.13E-04	1.78E-02	9.15E-05	2.28E-04	1.82E-02	1.07E-04	3.33E-08	1.22E-06	6.22E-06	1.15E-04
618	490136.72	3859935.12	2.36E-04	3.95E-08	1.24E-06	6.01E-06	2.44E-04	1.12E-04	1.74E-02	9.29E-05	2.20E-04	1.78E-02	1.07E-04	3.26E-08	1.24E-06	6.01E-06	1.14E-04
619	490186.72	3859935.12	2.35E-04	3.86E-08	1.25E-06	5.82E-06	2.42E-04	1.12E-04	1.70E-02	9.41E-05	2.13E-04	1.74E-02	1.06E-04	3.19E-08	1.25E-06	5.82E-06	1.13E-04
620	490236.72	3859935.12	2.33E-04	3.77E-08	1.27E-06	5.64E-06	2.40E-04	1.11E-04	1.66E-02	9.52E-05	2.07E-04	1.70E-02	1.05E-04	3.12E-08	1.27E-06	5.64E-06	1.12E-04
621	490286.72	3859935.12	2.31E-04	3.69E-08	1.28E-06	5.47E-06	2.38E-04	1.10E-04	1.63E-02	9.60E-05	2.01E-04	1.67E-02	1.05E-04	3.05E-08	1.28E-06	5.47E-06	1.11E-04
622	490336.72	3859935.12	2.29E-04	3.61E-08	1.29E-06	5.31E-06	2.36E-04	1.09E-04	1.59E-02	9.66E-05	1.95E-04	1.63E-02	1.04E-04	2.98E-08	1.29E-06	5.31E-06	1.10E-04
623	490386.72	3859935.12	2.27E-04	3.53E-08	1.30E-06	5.16E-06	2.34E-04	1.08E-04	1.56E-02	9.71E-05	1.89E-04	1.60E-02	1.03E-04	2.92E-08	1.30E-06	5.16E-06	1.09E-04
624	490436.72	3859935.12	2.26E-04	3.46E-08	1.30E-06	5.02E-06	2.32E-04	1.07E-04	1.52E-02	9.75E-05	1.84E-04	1.56E-02	1.02E-04	2.86E-08	1.30E-06	5.02E-06	1.08E-04
625	490486.72	3859935.12	2.24E-04	3.38E-08	1.30E-06	4.89E-06	2.30E-04	1.06E-04	1.49E-02	9.78E-05	1.79E-04	1.53E-02	1.01E-04	2.79E-08	1.30E-06	4.89E-06	1.07E-04
626	490536.72	3859935.12	2.23E-04	3.31E-08	1.31E-06	4.75E-06	2.29E-04	1.06E-04	1.46E-02	9.85E-05	1.74E-04	1.50E-02	1.01E-04	2.73E-08	1.31E-06	4.75E-06	1.07E-04
627	490586.72	3859935.12	2.22E-04	3.24E-08	1.33E-06	4.61E-06	2.28E-04	1.06E-04	1.43E-02	9.94E-05	1.69E-04	1.46E-02	1.00E-04	2.67E-08	1.33E-06	4.61E-06	1.06E-04
628	490636.72	3859935.12	2.21E-04	3.17E-08	1.33E-06	4.50E-06	2.27E-04	1.05E-04	1.40E-02	9.99E-05	1.65E-04	1.43E-02	9.99E-05	2.62E-08	1.33E-06	4.50E-06	1.06E-04
629	490686.72	3859935.12	2.21E-04	3.09E-08	1.35E-06	4.37E-06	2.26E-04	1.05E-04	1.36E-02	1.01E-04	1.60E-04	1.40E-02	9.98E-05	2.55E-08	1.35E-06	4.37E-06	1.06E-04
630	490736.72	3859935.12	2.20E-04	3.02E-08	1.36E-06	4.27E-06	2.26E-04	1.05E-04	1.33E-02	1.02E-04	1.56E-04	1.37E-02	9.95E-05	2.50E-08	1.36E-06	4.27E-06	1.05E-04
631	490086.72	3859985.12	2.33E-04	4.04E-08	1.18E-06	5.98E-06	2.40E-04	1.11E-04	1.78E-02	8.83E-05	2.19E-04	1.82E-02	1.05E-04	3.34E-08	1.18E-06	5.98E-06	1.13E-04
632	490136.72	3859985.12	2.32E-04	3.95E-08	1.19E-06	5.78E-06	2.39E-04	1.10E-04	1.74E-02	8.95E-05	2.12E-04	1.78E-02	1.05E-04	3.26E-08	1.19E-06	5.78E-06	1.12E-04
633	490186.72	3859985.12	2.31E-04	3.86E-08	1.21E-06	5.60E-06	2.38E-04	1.10E-04	1.70E-02	9.08E-05	2.05E-04	1.74E-02	1.05E-04	3.18E-08	1.21E-06	5.60E-06	1.11E-04
634	490236.72	3859985.12	2.30E-04	3.77E-08	1.23E-06	5.42E-06	2.37E-04	1.09E-04	1.66E-02	9.22E-05	1.99E-04	1.70E-02	1.04E-04	3.11E-08	1.23E-06	5.42E-06	1.11E-04
635	490286.72	3859985.12	2.28E-04	3.68E-08	1.24E-06	5.26E-06	2.35E-04	1.08E-04	1.62E-02	9.31E-05	1.93E-04	1.66E-02	1.03E-04	3.04E-08	1.24E-06	5.26E-06	1.10E-04
636	490336.72	3859985.12	2.26E-04	3.60E-08	1.25E-06	5.11E-06	2.33E-04	1.08E-04	1.59E-02	9.38E-05	1.88E-04	1.62E-02	1.02E-04	2.97E-08	1.25E-06	5.11E-06	1.09E-04
637	490386.72	3859985.12	2.24E-04	3.52E-08	1.26E-06	4.98E-06	2.31E-04	1.07E-04	1.55E-02	9.42E-05	1.83E-04	1.59E-02	1.01E-04	2.91E-08	1.26E-06	4.98E-06	1.08E-04
638	490436.72	3859985.12	2.22E-04	3.44E-08	1.26E-06	4.85E-06	2.28E-04	1.06E-04	1.52E-02	9.46E-05	1.78E-04	1.55E-02	1.01E-04	2.84E-08	1.26E-06	4.85E-06	1.07E-04
639	490486.72	3859985.12	2.21E-04	3.37E-08	1.27E-06	4.72E-06	2.27E-04	1.05E-04	1.48E-02	9.49E-05	1.73E-04	1.52E-02	9.98E-05	2.78E-08	1.27E-06	4.72E-06	1.06E-04
640	490536.72	3859985.12	2.19E-04	3.29E-08	1.27E-06	4.60E-06	2.25E-04	1.04E-04	1.45E-02	9.54E-05	1.69E-04	1.49E-02	9.91E-05	2.72E-08	1.27E-06	4.60E-06	1.05E-04
641	490586.72	3859985.12	2.18E-04	3.22E-08	1.28E-06	4.47E-06	2.24E-04	1.04E-04	1.42E-02	9.59E-05	1.64E-04	1.45E-02	9.86E-05	2.66E-08	1.28E-06	4.47E-06	1.04E-04
642	490636.72	3859985.12	2.17E-04	3.15E-08	1.29E-06	4.35E-06	2.23E-04	1.03E-04	1.39E-02	9.66E-05	1.60E-04	1.42E-02	9.82E-05	2.60E-08	1.29E-06	4.35E-06	1.04E-04
643	490686.72	3859985.12	2.17E-04	3.07E-08	1.30E-06	4.23E-06	2.22E-04	1.03E-04	1.35E-02	9.77E-05	1.55E-04	1.39E-02	9.80E-05	2.54E-08	1.30E-06	4.23E-06	1.04E-04
644	490736.72	3859985.12	2.16E-04	3.01E-08	1.31E-06	4.14E-06	2.21E-04	1.02E-04	1.33E-02	9.81E-05	1.52E-04	1.36E-02	9.75E-05	2.49E-08	1.31E-06	4.14E-06	1.03E-04
645	490786.72	3859985.12	2.15E-04	2.95E-08	1.31E-06	4.04E-06	2.20E-04	1.02E-04	1.30E-02	9.85E-05	1.48E-04	1.33E-02	9.71E-05	2.43E-08	1.31E-06	4.04E-06	1.02E-04
646	490086.72	3860035.12	2.29E-04	4.04E-08	1.14E-06	5.71E-06	2.35E-04	1.09E-04	1.78E-02	8.53E-05	2.09E-04	1.82E-02	1.03E-04	3.34E-08	1.14E-06	5.71E-06	1.10E-04
647	490136.72	3860035.12	2.28E-04	3.95E-08	1.15E-06	5.53E-06	2.35E-04	1.08E-04	1.74E-02	8.64E-05	2.03E-04	1.78E-02	1.03E-04	3.26E-08	1.15E-06	5.53E-06	1.10E-04
648	490186.72	3860035.12	2.27E-04	3.85E-08	1.17E-06	5.36E-06	2.34E-04	1.08E-04	1.70E-02	8.76E-05	1.97E-04	1.74E-02	1.03E-04	3.18E-08	1.17E-06	5.36E-06	1.09E-04
649	490236.72	3860035.12	2.26E-04	3.76E-08	1.18E-06	5.20E-06	2.32E-04	1.07E-04	1.66E-02	8.88E-05	1.91E-04	1.69E-02	1.02E-04	3.10E-08	1.18E-06	5.20E-06	1.09E-04
650	490286.72	3860035.12	2.24E-04	3.67E-08	1.20E-06	5.05E-06	2.31E-04	1.07E-04	1.62E-02	8.98E-05	1.85E-04	1.65E-02	1.02E-04	3.03E-08	1.20E-06	5.05E-06	1.08E-04
651	490336.72	3860035.12	2.23E-04	3.58E-08	1.21E-06	4.91E-06	2.29E-04	1.06E-04	1.58E-02	9.08E-05	1.80E-04	1.62E-02	1.01E-04	2.96E-08	1.21E-06	4.91E-06	1.07E-04
652	490386.72	3860035.12	2.21E-04	3.50E-08	1.22E-06	4.78E-06	2.27E-04	1.05E-04	1.54E-02	9.14E-05	1.75E-04	1.58E-02	1.00E-04	2.89E-08	1.22E-06	4.78E-06	1.06E-04
653	490436.72	3860035.12	2.19E-04	3.42E-08	1.22E-06	4.66E-06	2.25E-04	1.04E-04	1.51E-02	9.19E-05	1.71E-04	1.54E-02	9.92E-05	2.83E-08	1.22E-06	4.66E-06	1.05E-04
654	490486.72	3860035.12	2.17E-04	3.35E-08	1.23E-06	4.54E-06	2.23E-04	1.03E-04	1.47E-02	9.22E-05	1.67E-04	1.51E-02	9.84E-05	2.76E-08	1.23E-06	4.54E-06	1.04E-04
655	490536.72	3860035.12	2.16E-04	3.27E-08	1.23E-06	4.43E-06	2.22E-04	1.03E-04	1.44E-02	9.26E-05	1.62E-04	1.48E-02	9.77E-05	2.70E-08	1.23E-06	4.43E-06	1.03E-04
656	490586.72	3860035.12	2.14E-04	3.20E-08	1.24E-06	4.32E-06	2.20E-04	1.02E-04	1.41E-02	9.29E-05	1.58E-04	1.44E-02	9.70E-05	2.64E-08	1.24E-06	4.32E-06	1.03E-04
657	490636.72	3860035.12	2.13E-04	3.13E-08	1.24E-06	4.22E-06	2.18E-04	1.01E-04	1.38E-02	9.31E-05	1.55E-04	1.41E-02	9.62E-05	2.58E-08	1.24E-06	4.22E-06	1.02E-04
658	490686.72	3860035.12	2.12E-04	3.06E-08	1.25E-06	4.11E-06	2.17E-04	1.01E-04	1.35E-02	9.36E-05	1.51E-04	1.38E-02	9.58E-05	2.53E-08	1.25E-06	4.11E-06	1.01E-04
659	490736.72	3860035.12	2.11E-04	2.99E-08	1.26E-06	4.00E-06	2.17E-04	1.01E-04	1.32E-02	9.46E-05	1.47E-04	1.35E-02	9.57E-05	2.47E-08	1.26E-06	4.00E-06	1.01E-04
660	490786.72	3860035.12	2.10E-04	2.93E-08	1.26E-06	3.91E-06	2.16E-04	1.00E-04	1.29E-02	9.48E-05	1.43E-04	1.32E-02	9.51E-05	2.42E-08	1.26E-06	3.91E-06	1.00E-04
661	490836.72	3860035.12	2.09E-04	2.87E-08	1.27E-06	3.83E-06	2.14E-04	9.95E-05	1.26E-02	9.51E-05	1.40E-04	1.30E-02	9.46E-05	2.37E-08	1.27E-06	3.83E-06	9.98E-05
662	490086.72	3860085.12	2.25E-04	4.03E-08	1.11E-06	5.42E-06	2.31E-04	1.07E-04	1.77E-02	8.30E-05	1.99E-04	1.81E-02	1.02E-04	3.33E-08	1.11E-06	5.42E-06	1.08E-04
663	490136.72	3860085.12	2.23E-04	3.94E-08	1.11E-06	5.26E-06	2.30E-04	1.06E-04	1.74E-02	8.35E-05	1.93E-04	1.77E-02	1.01E-04	3.26E-08	1.11E-06	5.26E-06	1.07E-04
664	490186.72	3860085.12	2.23E-04	3.84E-08	1.13E-06	5.10E-06	2.29E-04	1.06E-04	1.69E-02	8.48E-05	1.87E-04	1.73E-02	1.01E-04	3.17E-08	1.13E-06	5.10E-06	1.07E-04
665	490236.72	3860085.12	2.22E-04	3.74E-08	1.14E-06	4.96E-06	2.28E-04	1.06E-04	1.65E-02	8.59E-05	1.82E-04	1.69E-02	1.01E-04	3.09E-08	1.14E-06	4.96E-06	1.07E-04
666	490286.72	3860085.12	2.21E-04	3.65E-08	1.16E-06	4.82E-06	2.27E-04	1.05E-04	1.61E-02	8.69E-05	1.77E-04	1.65E-02	1.00E-04	3.02E-08	1.16E-06	4.82E-06	1.06E-04
667	490336.72	3860085.12	2.20E-04	3.56E-08	1.17E-06	4.69E-06	2.25E-04	1.04E-04	1.57E-02	8.78E-05	1.72E-04	1.61E-02	9.93E-05	2.94E-08	1.17E-06	4.69E-06	1.05E-04

668	490386.72	3860085.12	2.18E-04	3.48E-08	1.18E-06	4.57E-06	2.24E-04	1.04E-04	1.53E-02	8.85E-05	1.68E-04	1.57E-02	9.86E-05	2.87E-08	1.18E-06	4.57E-06	1.04E-04
669	490436.72	3860085.12	2.16E-04	3.40E-08	1.19E-06	4.46E-06	2.22E-04	1.03E-04	1.50E-02	8.92E-05	1.64E-04	1.53E-02	9.78E-05	2.81E-08	1.19E-06	4.46E-06	1.03E-04
670	490486.72	3860085.12	2.14E-04	3.32E-08	1.19E-06	4.35E-06	2.20E-04	1.02E-04	1.46E-02	8.96E-05	1.59E-04	1.50E-02	9.70E-05	2.74E-08	1.19E-06	4.35E-06	1.03E-04
671	490536.72	3860085.12	2.13E-04	3.24E-08	1.20E-06	4.24E-06	2.18E-04	1.01E-04	1.43E-02	9.00E-05	1.56E-04	1.46E-02	9.63E-05	2.68E-08	1.20E-06	4.24E-06	1.02E-04
672	490586.72	3860085.12	2.11E-04	3.17E-08	1.21E-06	4.14E-06	2.17E-04	1.00E-04	1.40E-02	9.04E-05	1.52E-04	1.43E-02	9.56E-05	2.62E-08	1.21E-06	4.14E-06	1.01E-04
673	490636.72	3860085.12	2.10E-04	3.10E-08	1.21E-06	4.04E-06	2.15E-04	9.96E-05	1.36E-02	9.05E-05	1.48E-04	1.40E-02	9.48E-05	2.56E-08	1.21E-06	4.04E-06	1.00E-04
674	490686.72	3860085.12	2.08E-04	3.03E-08	1.21E-06	3.95E-06	2.13E-04	9.90E-05	1.33E-02	9.08E-05	1.45E-04	1.37E-02	9.42E-05	2.50E-08	1.21E-06	3.95E-06	9.94E-05
675	490736.72	3860085.12	2.07E-04	2.96E-08	1.22E-06	3.86E-06	2.12E-04	9.85E-05	1.30E-02	9.12E-05	1.42E-04	1.34E-02	9.37E-05	2.45E-08	1.22E-06	3.86E-06	9.88E-05
676	490786.72	3860085.12	2.06E-04	2.90E-08	1.22E-06	3.77E-06	2.11E-04	9.81E-05	1.28E-02	9.16E-05	1.38E-04	1.31E-02	9.33E-05	2.39E-08	1.22E-06	3.77E-06	9.84E-05
677	490836.72	3860085.12	2.05E-04	2.84E-08	1.22E-06	3.69E-06	2.10E-04	9.75E-05	1.25E-02	9.17E-05	1.35E-04	1.28E-02	9.28E-05	2.34E-08	1.22E-06	3.69E-06	9.77E-05
678	490086.72	3860135.12	2.18E-04	4.04E-08	1.06E-06	5.15E-06	2.25E-04	1.04E-04	1.78E-02	7.99E-05	1.89E-04	1.82E-02	9.88E-05	3.34E-08	1.06E-06	5.15E-06	1.05E-04
679	490136.72	3860135.12	2.19E-04	3.93E-08	1.08E-06	4.99E-06	2.25E-04	1.04E-04	1.73E-02	8.08E-05	1.83E-04	1.77E-02	9.89E-05	3.25E-08	1.08E-06	4.99E-06	1.05E-04
680	490186.72	3860135.12	2.19E-04	3.82E-08	1.09E-06	4.84E-06	2.24E-04	1.04E-04	1.68E-02	8.19E-05	1.78E-04	1.72E-02	9.88E-05	3.16E-08	1.09E-06	4.84E-06	1.05E-04
681	490236.72	3860135.12	2.18E-04	3.72E-08	1.10E-06	4.71E-06	2.24E-04	1.04E-04	1.64E-02	8.29E-05	1.73E-04	1.68E-02	9.86E-05	3.08E-08	1.10E-06	4.71E-06	1.04E-04
682	490286.72	3860135.12	2.17E-04	3.63E-08	1.12E-06	4.58E-06	2.23E-04	1.03E-04	1.60E-02	8.39E-05	1.68E-04	1.63E-02	9.82E-05	3.00E-08	1.12E-06	4.58E-06	1.04E-04
683	490336.72	3860135.12	2.16E-04	3.54E-08	1.13E-06	4.46E-06	2.22E-04	1.03E-04	1.56E-02	8.50E-05	1.64E-04	1.59E-02	9.77E-05	2.92E-08	1.13E-06	4.46E-06	1.03E-04
684	490386.72	3860135.12	2.15E-04	3.45E-08	1.14E-06	4.35E-06	2.20E-04	1.02E-04	1.52E-02	8.58E-05	1.60E-04	1.55E-02	9.71E-05	2.85E-08	1.14E-06	4.35E-06	1.03E-04
685	490436.72	3860135.12	2.13E-04	3.36E-08	1.15E-06	4.25E-06	2.18E-04	1.01E-04	1.48E-02	8.64E-05	1.56E-04	1.52E-02	9.64E-05	2.78E-08	1.15E-06	4.25E-06	1.02E-04
686	490486.72	3860135.12	2.11E-04	3.28E-08	1.16E-06	4.14E-06	2.17E-04	1.01E-04	1.45E-02	8.70E-05	1.52E-04	1.48E-02	9.56E-05	2.71E-08	1.16E-06	4.14E-06	1.01E-04
687	490536.72	3860135.12	2.10E-04	3.21E-08	1.17E-06	4.04E-06	2.15E-04	9.98E-05	1.41E-02	8.76E-05	1.48E-04	1.45E-02	9.50E-05	2.65E-08	1.17E-06	4.04E-06	1.00E-04
688	490586.72	3860135.12	2.08E-04	3.13E-08	1.17E-06	3.95E-06	2.13E-04	9.90E-05	1.38E-02	8.80E-05	1.45E-04	1.41E-02	9.42E-05	2.59E-08	1.17E-06	3.95E-06	9.94E-05
689	490636.72	3860135.12	2.07E-04	3.06E-08	1.18E-06	3.86E-06	2.12E-04	9.82E-05	1.35E-02	8.82E-05	1.41E-04	1.38E-02	9.35E-05	2.53E-08	1.18E-06	3.86E-06	9.85E-05
690	490686.72	3860135.12	2.05E-04	2.99E-08	1.18E-06	3.77E-06	2.10E-04	9.75E-05	1.32E-02	8.83E-05	1.38E-04	1.35E-02	9.27E-05	2.47E-08	1.18E-06	3.77E-06	9.77E-05
691	490736.72	3860135.12	2.04E-04	2.92E-08	1.18E-06	3.69E-06	2.09E-04	9.68E-05	1.29E-02	8.84E-05	1.35E-04	1.32E-02	9.21E-05	2.42E-08	1.18E-06	3.69E-06	9.70E-05
692	490786.72	3860135.12	2.03E-04	2.86E-08	1.18E-06	3.62E-06	2.07E-04	9.63E-05	1.26E-02	8.87E-05	1.33E-04	1.29E-02	9.16E-05	2.36E-08	1.18E-06	3.62E-06	9.65E-05
693	490836.72	3860135.12	2.01E-04	2.80E-08	1.18E-06	3.54E-06	2.06E-04	9.57E-05	1.23E-02	8.88E-05	1.30E-04	1.26E-02	9.10E-05	2.31E-08	1.18E-06	3.54E-06	9.58E-05
694	490086.72	3860185.12	2.13E-04	4.03E-08	1.03E-06	4.87E-06	2.19E-04	1.01E-04	1.78E-02	7.75E-05	1.79E-04	1.81E-02	9.63E-05	3.33E-08	1.03E-06	4.87E-06	1.02E-04
695	490136.72	3860185.12	2.14E-04	3.91E-08	1.05E-06	4.72E-06	2.19E-04	1.02E-04	1.72E-02	7.84E-05	1.73E-04	1.76E-02	9.66E-05	3.23E-08	1.05E-06	4.72E-06	1.02E-04
696	490186.72	3860185.12	2.14E-04	3.80E-08	1.06E-06	4.58E-06	2.19E-04	1.02E-04	1.67E-02	7.93E-05	1.68E-04	1.71E-02	9.67E-05	3.14E-08	1.06E-06	4.58E-06	1.02E-04
697	490236.72	3860185.12	2.14E-04	3.69E-08	1.07E-06	4.45E-06	2.19E-04	1.02E-04	1.63E-02	8.02E-05	1.63E-04	1.66E-02	9.66E-05	3.05E-08	1.07E-06	4.45E-06	1.02E-04
698	490286.72	3860185.12	2.13E-04	3.59E-08	1.08E-06	4.34E-06	2.18E-04	1.01E-04	1.58E-02	8.11E-05	1.59E-04	1.62E-02	9.64E-05	2.97E-08	1.08E-06	4.34E-06	1.02E-04
699	490336.72	3860185.12	2.12E-04	3.50E-08	1.09E-06	4.23E-06	2.18E-04	1.01E-04	1.54E-02	8.21E-05	1.55E-04	1.57E-02	9.60E-05	2.89E-08	1.09E-06	4.23E-06	1.01E-04
700	490386.72	3860185.12	2.11E-04	3.41E-08	1.11E-06	4.12E-06	2.16E-04	1.00E-04	1.50E-02	8.30E-05	1.51E-04	1.53E-02	9.55E-05	2.82E-08	1.11E-06	4.12E-06	1.01E-04
701	490436.72	3860185.12	2.10E-04	3.32E-08	1.12E-06	4.02E-06	2.15E-04	9.98E-05	1.46E-02	8.38E-05	1.48E-04	1.50E-02	9.49E-05	2.74E-08	1.12E-06	4.02E-06	1.00E-04
702	490486.72	3860185.12	2.08E-04	3.24E-08	1.13E-06	3.93E-06	2.13E-04	9.91E-05	1.43E-02	8.45E-05	1.44E-04	1.46E-02	9.43E-05	2.68E-08	1.13E-06	3.93E-06	9.94E-05
703	490536.72	3860185.12	2.07E-04	3.16E-08	1.13E-06	3.83E-06	2.12E-04	9.84E-05	1.39E-02	8.51E-05	1.41E-04	1.42E-02	9.36E-05	2.61E-08	1.13E-06	3.83E-06	9.86E-05
704	490586.72	3860185.12	2.06E-04	3.09E-08	1.14E-06	3.75E-06	2.10E-04	9.77E-05	1.36E-02	8.57E-05	1.37E-04	1.39E-02	9.30E-05	2.55E-08	1.14E-06	3.75E-06	9.79E-05
705	490636.72	3860185.12	2.04E-04	3.01E-08	1.15E-06	3.66E-06	2.09E-04	9.69E-05	1.33E-02	8.59E-05	1.34E-04	1.36E-02	9.22E-05	2.49E-08	1.15E-06	3.66E-06	9.70E-05
706	490686.72	3860185.12	2.02E-04	2.94E-08	1.15E-06	3.58E-06	2.07E-04	9.62E-05	1.30E-02	8.62E-05	1.31E-04	1.33E-02	9.15E-05	2.43E-08	1.15E-06	3.58E-06	9.63E-05
707	490736.72	3860185.12	2.01E-04	2.88E-08	1.15E-06	3.50E-06	2.05E-04	9.54E-05	1.27E-02	8.61E-05	1.28E-04	1.30E-02	9.07E-05	2.38E-08	1.15E-06	3.50E-06	9.54E-05
708	490786.72	3860185.12	1.99E-04	2.81E-08	1.15E-06	3.43E-06	2.04E-04	9.47E-05	1.24E-02	8.62E-05	1.26E-04	1.27E-02	9.01E-05	2.32E-08	1.15E-06	3.43E-06	9.47E-05
709	490836.72	3860185.12	1.98E-04	2.75E-08	1.15E-06	3.37E-06	2.02E-04	9.41E-05	1.21E-02	8.63E-05	1.23E-04	1.24E-02	8.95E-05	2.27E-08	1.15E-06	3.37E-06	9.41E-05
710	490086.72	3860235.12	2.08E-04	4.00E-08	1.01E-06	4.58E-06	2.13E-04	9.87E-05	1.76E-02	7.56E-05	1.68E-04	1.80E-02	9.39E-05	3.30E-08	1.01E-06	4.58E-06	9.95E-05
711	490136.72	3860235.12	2.08E-04	3.87E-08	1.02E-06	4.44E-06	2.14E-04	9.91E-05	1.71E-02	7.62E-05	1.63E-04	1.74E-02	9.43E-05	3.20E-08	1.02E-06	4.44E-06	9.97E-05
712	490186.72	3860235.12	2.09E-04	3.76E-08	1.03E-06	4.31E-06	2.14E-04	9.93E-05	1.65E-02	7.70E-05	1.58E-04	1.69E-02	9.45E-05	3.10E-08	1.03E-06	4.31E-06	9.99E-05
713	490236.72	3860235.12	2.09E-04	3.65E-08	1.04E-06	4.20E-06	2.14E-04	9.94E-05	1.61E-02	7.78E-05	1.54E-04	1.64E-02	9.46E-05	3.01E-08	1.04E-06	4.20E-06	9.98E-05
714	490286.72	3860235.12	2.09E-04	3.55E-08	1.05E-06	4.09E-06	2.14E-04	9.93E-05	1.56E-02	7.86E-05	1.50E-04	1.59E-02	9.45E-05	2.93E-08	1.05E-06	4.09E-06	9.96E-05
715	490336.72	3860235.12	2.08E-04	3.45E-08	1.06E-06	3.99E-06	2.13E-04	9.90E-05	1.52E-02	7.95E-05	1.46E-04	1.55E-02	9.42E-05	2.85E-08	1.06E-06	3.99E-06	9.93E-05
716	490386.72	3860235.12	2.08E-04	3.36E-08	1.07E-06	3.89E-06	2.13E-04	9.87E-05	1.48E-02	8.04E-05	1.43E-04	1.51E-02	9.39E-05	2.77E-08	1.07E-06	3.89E-06	9.89E-05
717	490436.72	3860235.12	2.07E-04	3.27E-08	1.08E-06	3.80E-06	2.12E-04	9.82E-05	1.44E-02	8.13E-05	1.39E-04	1.47E-02	9.35E-05	2.70E-08	1.08E-06	3.80E-06	9.84E-05
718	490486.72	3860235.12	2.05E-04	3.19E-08	1.09E-06	3.71E-06	2.10E-04	9.76E-05	1.40E-02	8.20E-05	1.36E-04	1.43E-02	9.29E-05	2.63E-08	1.09E-06	3.71E-06	9.77E-05
719	490536.72	3860235.12	2.04E-04	3.11E-08	1.10E-06	3.62E-06	2.09E-04	9.70E-05	1.37E-02	8.27E-05	1.33E-04	1.40E-02	9.23E-05	2.57E-08	1.10E-06	3.62E-06	9.71E-05
720	490586.72	3860235.12	2.03E-04	3.03E-08	1.11E-06	3.54E-06	2.07E-04	9.64E-05	1.33E-02	8.33E-05	1.30E-04	1.37E-02	9.17E-05	2.50E-08	1.11E-06	3.54E-06	9.64E-05
721	490636.72	3860235.12	2.01E-04	2.96E-08	1.12E-06	3.47E-06	2.06E-04	9.57E-05	1.30E-02	8.38E-05	1.27E-04	1.33E-02	9.10E-05	2.44E-08	1.12E-06	3.47E-06	9.56E-05
722	490686.72	3860235.12	2.00E-04	2.89E-08	1.12E-06	3.39E-06	2.04E-04	9.49E-05	1.27E-02	8.41E-05	1.24E-04	1.30E-02	9.03E-05	2.39E-08	1.12E-06	3.39E-06	9.49E-05
723	490736.72	3860235.12	1.98E-04	2.82E-08	1.12E-06	3.32E-06	2.03E-04	9.42E-05	1.24E-02	8.42E-05	1.22E-04	1.27E-02	8.96E-05	2.33E-08	1.12E-06	3.32E-06	9.41E-05
724	490786.72	3860235.12	1.96E-04	2.76E-08	1.12E-06	3.25E-06	2.01E-04	9.34E-05	1.22E-02	8.42E-05	1.19E-04	1.25E-02	8.89E-05	2.28E-08	1.12E-06	3.25E-06	9.33E-05
725	490086.72	3860285.12	2.02E-04	3.95E-08	9.85E-07	4.28E-06	2.07E-04	9.61E-05	1.74E-02	7.39E-05	1.57E-04	1.77E-02	9.15E-05	3.26E-08	9.85E-07	4.28E-06	9.68E-05
726	490136.72	3860285.12	2.03E-04	3.82E-08	9.92E-07	4.16E-06	2.08E-04	9.66E-05	1.68E-02	7.44E-05	1.53E-04	1.71E-02	9.19E-05	3.15E-08	9.92E-07	4.16E-06	9.71E-05
727	490186.72	3860285.12	2.04E-04	3.70E-08	9.98E-07	4.05E-06	2.09E-04	9.69E-05	1.63E-02	7.49E-05	1.48E-04	1.66E-02	9.22E-05	3.05E-08	9.98E-07	4.05E-06	9.73E-05
728	490236.72	3860285.12	2.04E-04	3.59E-08	1.01E-06	3.94E-06	2.09E-04	9.72E-05	1.58E-02	7.56E-05	1.44E-04	1.61E-02	9.25E-05	2.96E-08	1.01E-06	3.94E-06	9.74E-05

729	490286.72	3860285.12	2.04E-04	3.48E-08	1.02E-06	3.84E-06	2.09E-04	9.72E-05	1.53E-02	7.62E-05	1.41E-04	1.56E-02	9.25E-05	2.88E-08	1.02E-06	3.84E-06	9.74E-05
730	490336.72	3860285.12	2.04E-04	3.38E-08	1.03E-06	3.75E-06	2.09E-04	9.71E-05	1.49E-02	7.70E-05	1.38E-04	1.52E-02	9.24E-05	2.79E-08	1.03E-06	3.75E-06	9.72E-05
731	490386.72	3860285.12	2.04E-04	3.29E-08	1.04E-06	3.66E-06	2.09E-04	9.69E-05	1.45E-02	7.79E-05	1.34E-04	1.48E-02	9.22E-05	2.72E-08	1.04E-06	3.66E-06	9.69E-05
732	490436.72	3860285.12	2.03E-04	3.20E-08	1.05E-06	3.58E-06	2.08E-04	9.66E-05	1.41E-02	7.88E-05	1.31E-04	1.44E-02	9.19E-05	2.65E-08	1.05E-06	3.58E-06	9.65E-05
733	490486.72	3860285.12	2.02E-04	3.12E-08	1.06E-06	3.50E-06	2.07E-04	9.61E-05	1.37E-02	7.96E-05	1.28E-04	1.40E-02	9.15E-05	2.58E-08	1.06E-06	3.50E-06	9.61E-05
734	490536.72	3860285.12	2.01E-04	3.04E-08	1.07E-06	3.42E-06	2.06E-04	9.56E-05	1.34E-02	8.03E-05	1.25E-04	1.37E-02	9.10E-05	2.51E-08	1.07E-06	3.42E-06	9.55E-05
735	490586.72	3860285.12	2.00E-04	2.97E-08	1.08E-06	3.34E-06	2.04E-04	9.50E-05	1.31E-02	8.09E-05	1.22E-04	1.34E-02	9.04E-05	2.45E-08	1.08E-06	3.34E-06	9.48E-05
736	490636.72	3860285.12	1.98E-04	2.89E-08	1.09E-06	3.27E-06	2.03E-04	9.43E-05	1.27E-02	8.15E-05	1.20E-04	1.30E-02	8.98E-05	2.39E-08	1.09E-06	3.27E-06	9.41E-05
737	490686.72	3860285.12	1.97E-04	2.83E-08	1.09E-06	3.20E-06	2.01E-04	9.37E-05	1.24E-02	8.20E-05	1.17E-04	1.27E-02	8.91E-05	2.33E-08	1.09E-06	3.20E-06	9.35E-05
738	490736.72	3860285.12	1.96E-04	2.76E-08	1.10E-06	3.13E-06	2.00E-04	9.30E-05	1.22E-02	8.22E-05	1.15E-04	1.25E-02	8.84E-05	2.28E-08	1.10E-06	3.13E-06	9.27E-05
739	490786.72	3860285.12	1.94E-04	2.70E-08	1.10E-06	3.07E-06	1.98E-04	9.23E-05	1.19E-02	8.24E-05	1.13E-04	1.22E-02	8.78E-05	2.23E-08	1.10E-06	3.07E-06	9.20E-05
740	490086.72	3860335.12	1.97E-04	3.87E-08	9.64E-07	3.98E-06	2.02E-04	9.35E-05	1.70E-02	7.23E-05	1.46E-04	1.73E-02	8.90E-05	3.19E-08	9.64E-07	3.98E-06	9.40E-05
741	490136.72	3860335.12	1.98E-04	3.74E-08	9.70E-07	3.87E-06	2.03E-04	9.41E-05	1.65E-02	7.27E-05	1.42E-04	1.68E-02	8.96E-05	3.09E-08	9.70E-07	3.87E-06	9.44E-05
742	490186.72	3860335.12	1.99E-04	3.62E-08	9.75E-07	3.78E-06	2.04E-04	9.45E-05	1.59E-02	7.31E-05	1.38E-04	1.62E-02	8.99E-05	2.99E-08	9.75E-07	3.78E-06	9.47E-05
743	490236.72	3860335.12	2.00E-04	3.50E-08	9.82E-07	3.68E-06	2.04E-04	9.49E-05	1.54E-02	7.37E-05	1.35E-04	1.57E-02	9.03E-05	2.89E-08	9.82E-07	3.68E-06	9.50E-05
744	490286.72	3860335.12	2.00E-04	3.40E-08	9.89E-07	3.60E-06	2.05E-04	9.50E-05	1.50E-02	7.42E-05	1.32E-04	1.53E-02	9.04E-05	2.81E-08	9.89E-07	3.60E-06	9.51E-05
745	490336.72	3860335.12	2.00E-04	3.30E-08	9.98E-07	3.51E-06	2.04E-04	9.51E-05	1.45E-02	7.48E-05	1.29E-04	1.48E-02	9.05E-05	2.73E-08	9.98E-07	3.51E-06	9.50E-05
746	490386.72	3860335.12	2.00E-04	3.21E-08	1.01E-06	3.43E-06	2.04E-04	9.50E-05	1.41E-02	7.55E-05	1.26E-04	1.44E-02	9.04E-05	2.65E-08	1.01E-06	3.43E-06	9.49E-05
747	490436.72	3860335.12	1.99E-04	3.12E-08	1.02E-06	3.36E-06	2.04E-04	9.48E-05	1.38E-02	7.64E-05	1.23E-04	1.41E-02	9.02E-05	2.58E-08	1.02E-06	3.36E-06	9.46E-05
748	490486.72	3860335.12	1.99E-04	3.04E-08	1.03E-06	3.29E-06	2.03E-04	9.45E-05	1.34E-02	7.72E-05	1.20E-04	1.37E-02	8.99E-05	2.51E-08	1.03E-06	3.29E-06	9.43E-05
749	490536.72	3860335.12	1.98E-04	2.97E-08	1.04E-06	3.22E-06	2.02E-04	9.41E-05	1.31E-02	7.80E-05	1.18E-04	1.33E-02	8.96E-05	2.45E-08	1.04E-06	3.22E-06	9.39E-05
750	490586.72	3860335.12	1.97E-04	2.89E-08	1.05E-06	3.14E-06	2.01E-04	9.36E-05	1.27E-02	7.87E-05	1.15E-04	1.30E-02	8.91E-05	2.39E-08	1.05E-06	3.14E-06	9.33E-05
751	490636.72	3860335.12	1.96E-04	2.82E-08	1.06E-06	3.08E-06	2.00E-04	9.30E-05	1.24E-02	7.93E-05	1.13E-04	1.27E-02	8.85E-05	2.33E-08	1.06E-06	3.08E-06	9.27E-05
752	490686.72	3860335.12	1.94E-04	2.75E-08	1.06E-06	3.02E-06	1.99E-04	9.24E-05	1.21E-02	7.99E-05	1.11E-04	1.24E-02	8.79E-05	2.28E-08	1.06E-06	3.02E-06	9.21E-05
753	490736.72	3860335.12	1.93E-04	2.69E-08	1.07E-06	2.96E-06	1.97E-04	9.18E-05	1.19E-02	8.02E-05	1.08E-04	1.21E-02	8.73E-05	2.22E-08	1.07E-06	2.96E-06	9.14E-05
754	490786.72	3860335.12	1.92E-04	2.63E-08	1.07E-06	2.91E-06	1.96E-04	9.12E-05	1.16E-02	8.06E-05	1.07E-04	1.19E-02	8.68E-05	2.17E-08	1.07E-06	2.91E-06	9.08E-05
755	490086.72	3860385.12	1.92E-04	3.76E-08	9.46E-07	3.68E-06	1.96E-04	9.11E-05	1.66E-02	7.09E-05	1.35E-04	1.69E-02	8.67E-05	3.11E-08	9.46E-07	3.68E-06	9.13E-05
756	490136.72	3860385.12	1.93E-04	3.63E-08	9.51E-07	3.59E-06	1.97E-04	9.17E-05	1.60E-02	7.13E-05	1.31E-04	1.63E-02	8.72E-05	3.00E-08	9.51E-07	3.59E-06	9.18E-05
757	490186.72	3860385.12	1.94E-04	3.51E-08	9.53E-07	3.50E-06	1.98E-04	9.21E-05	1.55E-02	7.15E-05	1.28E-04	1.58E-02	8.76E-05	2.90E-08	9.53E-07	3.50E-06	9.21E-05
758	490236.72	3860385.12	1.95E-04	3.40E-08	9.58E-07	3.42E-06	1.99E-04	9.25E-05	1.50E-02	7.19E-05	1.26E-04	1.53E-02	8.80E-05	2.81E-08	9.58E-07	3.42E-06	9.24E-05
759	490286.72	3860385.12	1.95E-04	3.30E-08	9.64E-07	3.35E-06	2.00E-04	9.28E-05	1.45E-02	7.23E-05	1.23E-04	1.48E-02	8.83E-05	2.73E-08	9.64E-07	3.35E-06	9.26E-05
760	490336.72	3860385.12	1.96E-04	3.21E-08	9.70E-07	3.28E-06	2.00E-04	9.30E-05	1.41E-02	7.28E-05	1.20E-04	1.44E-02	8.85E-05	2.65E-08	9.70E-07	3.28E-06	9.27E-05
761	490386.72	3860385.12	1.96E-04	3.12E-08	9.79E-07	3.21E-06	2.00E-04	9.30E-05	1.37E-02	7.34E-05	1.18E-04	1.40E-02	8.85E-05	2.57E-08	9.79E-07	3.21E-06	9.27E-05
762	490436.72	3860385.12	1.96E-04	3.03E-08	9.88E-07	3.14E-06	2.00E-04	9.30E-05	1.34E-02	7.41E-05	1.15E-04	1.36E-02	8.85E-05	2.50E-08	9.88E-07	3.14E-06	9.26E-05
763	490486.72	3860385.12	1.95E-04	2.95E-08	9.99E-07	3.08E-06	1.99E-04	9.28E-05	1.30E-02	7.49E-05	1.13E-04	1.33E-02	8.83E-05	2.44E-08	9.99E-07	3.08E-06	9.24E-05
764	490536.72	3860385.12	1.95E-04	2.88E-08	1.01E-06	3.02E-06	1.99E-04	9.26E-05	1.27E-02	7.57E-05	1.11E-04	1.30E-02	8.81E-05	2.38E-08	1.01E-06	3.02E-06	9.21E-05
765	490586.72	3860385.12	1.94E-04	2.81E-08	1.02E-06	2.96E-06	1.98E-04	9.22E-05	1.24E-02	7.65E-05	1.08E-04	1.26E-02	8.77E-05	2.32E-08	1.02E-06	2.96E-06	9.17E-05
766	490636.72	3860385.12	1.93E-04	2.74E-08	1.03E-06	2.90E-06	1.97E-04	9.17E-05	1.21E-02	7.72E-05	1.06E-04	1.23E-02	8.73E-05	2.26E-08	1.03E-06	2.90E-06	9.12E-05
767	490686.72	3860385.12	1.92E-04	2.68E-08	1.04E-06	2.84E-06	1.96E-04	9.12E-05	1.18E-02	7.78E-05	1.04E-04	1.21E-02	8.68E-05	2.21E-08	1.04E-06	2.84E-06	9.07E-05
768	490736.72	3860385.12	1.90E-04	2.61E-08	1.04E-06	2.79E-06	1.94E-04	9.06E-05	1.15E-02	7.83E-05	1.02E-04	1.18E-02	8.62E-05	2.16E-08	1.04E-06	2.79E-06	9.00E-05
769	490786.72	3860385.12	1.89E-04	2.56E-08	1.05E-06	2.74E-06	1.93E-04	8.99E-05	1.13E-02	7.86E-05	1.00E-04	1.15E-02	8.56E-05	2.11E-08	1.05E-06	2.74E-06	8.94E-05
770	490136.72	3860435.12	1.88E-04	3.50E-08	9.32E-07	3.31E-06	1.92E-04	8.92E-05	1.54E-02	6.99E-05	1.21E-04	1.57E-02	8.49E-05	2.89E-08	9.32E-07	3.31E-06	8.91E-05
771	490186.72	3860435.12	1.89E-04	3.39E-08	9.35E-07	3.24E-06	1.93E-04	8.97E-05	1.49E-02	7.01E-05	1.19E-04	1.52E-02	8.54E-05	2.80E-08	9.35E-07	3.24E-06	8.96E-05
772	490236.72	3860435.12	1.90E-04	3.28E-08	9.38E-07	3.17E-06	1.94E-04	9.02E-05	1.45E-02	7.04E-05	1.16E-04	1.47E-02	8.58E-05	2.71E-08	9.38E-07	3.17E-06	8.99E-05
773	490286.72	3860435.12	1.90E-04	3.19E-08	9.41E-07	3.11E-06	1.95E-04	9.05E-05	1.40E-02	7.06E-05	1.14E-04	1.43E-02	8.62E-05	2.63E-08	9.41E-07	3.11E-06	9.02E-05
774	490336.72	3860435.12	1.91E-04	3.10E-08	9.47E-07	3.05E-06	1.95E-04	9.08E-05	1.36E-02	7.10E-05	1.12E-04	1.39E-02	8.64E-05	2.56E-08	9.47E-07	3.05E-06	9.04E-05
775	490386.72	3860435.12	1.91E-04	3.01E-08	9.53E-07	2.99E-06	1.95E-04	9.10E-05	1.33E-02	7.15E-05	1.10E-04	1.35E-02	8.65E-05	2.49E-08	9.53E-07	2.99E-06	9.05E-05
776	490436.72	3860435.12	1.91E-04	2.93E-08	9.61E-07	2.93E-06	1.95E-04	9.10E-05	1.29E-02	7.21E-05	1.07E-04	1.32E-02	8.66E-05	2.42E-08	9.61E-07	2.93E-06	9.05E-05
777	490486.72	3860435.12	1.91E-04	2.85E-08	9.70E-07	2.87E-06	1.95E-04	9.10E-05	1.26E-02	7.28E-05	1.05E-04	1.28E-02	8.66E-05	2.36E-08	9.70E-07	2.87E-06	9.05E-05
778	490536.72	3860435.12	1.91E-04	2.78E-08	9.81E-07	2.82E-06	1.95E-04	9.09E-05	1.23E-02	7.35E-05	1.03E-04	1.25E-02	8.65E-05	2.30E-08	9.81E-07	2.82E-06	9.03E-05
779	490586.72	3860435.12	1.91E-04	2.71E-08	9.90E-07	2.77E-06	1.94E-04	9.06E-05	1.20E-02	7.42E-05	1.01E-04	1.22E-02	8.62E-05	2.24E-08	9.90E-07	2.77E-06	9.00E-05
780	490636.72	3860435.12	1.90E-04	2.65E-08	9.99E-07	2.72E-06	1.94E-04	9.03E-05	1.17E-02	7.49E-05	9.96E-05	1.19E-02	8.59E-05	2.19E-08	9.99E-07	2.72E-06	8.96E-05
781	490686.72	3860435.12	1.89E-04	2.59E-08	1.01E-06	2.67E-06	1.93E-04	8.98E-05	1.14E-02	7.56E-05	9.78E-05	1.17E-02	8.55E-05	2.14E-08	1.01E-06	2.67E-06	8.92E-05
782	490736.72	3860435.12	1.88E-04	2.53E-08	1.02E-06	2.63E-06	1.92E-04	8.94E-05	1.12E-02	7.64E-05	9.63E-05	1.14E-02	8.50E-05	2.09E-08	1.02E-06	2.63E-06	8.87E-05
783	490786.72	3860435.12	1.87E-04	2.48E-08	1.02E-06	2.58E-06	1.90E-04	8.88E-05	1.09E-02	7.68E-05	9.46E-05	1.12E-02	8.45E-05	2.05E-08	1.02E-06	2.58E-06	8.81E-05
784	490136.72	3860485.12	1.83E-04	3.36E-08	9.17E-07	3.04E-06	1.87E-04	8.70E-05	1.48E-02	6.88E-05	1.12E-04	1.50E-02	8.27E-05	2.77E-08	9.17E-07	3.04E-06	8.67E-05
785	490186.72	3860485.12	1.84E-04	3.25E-08	9.19E-07	2.99E-06	1.88E-04	8.74E-05	1.43E-02	6.89E-05	1.09E-04	1.46E-02	8.32E-05	2.68E-08	9.19E-07	2.99E-06	8.71E-05
786	490236.72	3860485.12	1.85E-04	3.15E-08	9.19E-07	2.93E-06	1.89E-04	8.78E-05	1.39E-02	6.90E-05	1.07E-04	1.41E-02	8.36E-05	2.60E-08	9.19E-07	2.93E-06	8.74E-05
787	490286.72	3860485.12	1.86E-04	3.06E-08	9.23E-07	2.88E-06	1.90E-04	8.83E-05	1.35E-02	6.92E-05	1.05E-04	1.37E-02	8.40E-05	2.53E-08	9.23E-07	2.88E-06	8.78E-05
788	490336.72	3860485.12	1.86E-04	2.97E-08	9.25E-07	2.82E-06	1.90E-04	8.86E-05	1.31E-02	6.94E-05	1.03E-04	1.34E-02	8.43E-05	2.46E-08	9.25E-07	2.82E-06	8.81E-05
789	490386.72	3860485.12	1.87E-04	2.89E-08	9.30E-07	2.77E-06	1.91E-04	8.89E-05	1.27E-02	6.98E-05	1.02E-04	1.30E-02	8.46E-05	2.39E-08	9.30E-07	2.77E-06	8.83E-05

790	490436.72	3860485.12	1.88E-04	2.82E-08	9.38E-07	2.73E-06	1.91E-04	8.92E-05	1.24E-02	7.04E-05	1.00E-04	1.27E-02	8.48E-05	2.33E-08	9.38E-07	2.73E-06	8.85E-05
791	490486.72	3860485.12	1.88E-04	2.75E-08	9.45E-07	2.68E-06	1.91E-04	8.92E-05	1.21E-02	7.09E-05	9.81E-05	1.24E-02	8.49E-05	2.27E-08	9.45E-07	2.68E-06	8.85E-05
792	490536.72	3860485.12	1.87E-04	2.68E-08	9.53E-07	2.63E-06	1.91E-04	8.91E-05	1.18E-02	7.14E-05	9.64E-05	1.21E-02	8.48E-05	2.21E-08	9.53E-07	2.63E-06	8.84E-05
793	490586.72	3860485.12	1.87E-04	2.62E-08	9.62E-07	2.58E-06	1.91E-04	8.90E-05	1.15E-02	7.21E-05	9.47E-05	1.18E-02	8.47E-05	2.16E-08	9.62E-07	2.58E-06	8.82E-05
794	490636.72	3860485.12	1.87E-04	2.56E-08	9.72E-07	2.54E-06	1.90E-04	8.88E-05	1.13E-02	7.29E-05	9.32E-05	1.15E-02	8.45E-05	2.11E-08	9.72E-07	2.54E-06	8.80E-05
795	490686.72	3860485.12	1.86E-04	2.50E-08	9.81E-07	2.50E-06	1.89E-04	8.84E-05	1.10E-02	7.35E-05	9.16E-05	1.13E-02	8.41E-05	2.06E-08	9.81E-07	2.50E-06	8.76E-05
796	490736.72	3860485.12	1.85E-04	2.44E-08	9.90E-07	2.46E-06	1.89E-04	8.80E-05	1.08E-02	7.42E-05	9.03E-05	1.10E-02	8.38E-05	2.02E-08	9.90E-07	2.46E-06	8.72E-05
797	490786.72	3860485.12	1.84E-04	2.39E-08	9.98E-07	2.43E-06	1.88E-04	8.76E-05	1.05E-02	7.48E-05	8.89E-05	1.08E-02	8.33E-05	1.98E-08	9.98E-07	2.43E-06	8.68E-05
798	490136.72	3860535.12	1.78E-04	3.19E-08	9.02E-07	2.80E-06	1.82E-04	8.47E-05	1.41E-02	6.77E-05	1.03E-04	1.43E-02	8.06E-05	2.64E-08	9.02E-07	2.80E-06	8.44E-05
799	490186.72	3860535.12	1.80E-04	3.10E-08	9.06E-07	2.75E-06	1.83E-04	8.54E-05	1.36E-02	6.79E-05	1.01E-04	1.39E-02	8.12E-05	2.56E-08	9.06E-07	2.75E-06	8.49E-05
800	490236.72	3860535.12	1.80E-04	3.01E-08	9.04E-07	2.70E-06	1.84E-04	8.56E-05	1.32E-02	6.78E-05	9.92E-05	1.35E-02	8.15E-05	2.48E-08	9.04E-07	2.70E-06	8.51E-05
801	490286.72	3860535.12	1.81E-04	2.92E-08	9.05E-07	2.66E-06	1.84E-04	8.60E-05	1.29E-02	6.79E-05	9.74E-05	1.31E-02	8.18E-05	2.41E-08	9.05E-07	2.66E-06	8.54E-05
802	490336.72	3860535.12	1.82E-04	2.84E-08	9.07E-07	2.61E-06	1.85E-04	8.64E-05	1.25E-02	6.81E-05	9.58E-05	1.28E-02	8.22E-05	2.35E-08	9.07E-07	2.61E-06	8.58E-05
803	490386.72	3860535.12	1.83E-04	2.77E-08	9.12E-07	2.57E-06	1.86E-04	8.68E-05	1.22E-02	6.84E-05	9.43E-05	1.24E-02	8.26E-05	2.29E-08	9.12E-07	2.57E-06	8.61E-05
804	490436.72	3860535.12	1.83E-04	2.70E-08	9.17E-07	2.53E-06	1.87E-04	8.72E-05	1.19E-02	6.88E-05	9.29E-05	1.21E-02	8.30E-05	2.23E-08	9.17E-07	2.53E-06	8.64E-05
805	490486.72	3860535.12	1.84E-04	2.64E-08	9.23E-07	2.49E-06	1.87E-04	8.74E-05	1.16E-02	6.92E-05	9.14E-05	1.19E-02	8.31E-05	2.18E-08	9.23E-07	2.49E-06	8.66E-05
806	490536.72	3860535.12	1.84E-04	2.58E-08	9.33E-07	2.46E-06	1.88E-04	8.77E-05	1.13E-02	7.00E-05	9.03E-05	1.16E-02	8.34E-05	2.13E-08	9.33E-07	2.46E-06	8.68E-05
807	490586.72	3860535.12	1.84E-04	2.51E-08	9.36E-07	2.41E-06	1.87E-04	8.73E-05	1.11E-02	7.02E-05	8.84E-05	1.13E-02	8.31E-05	2.08E-08	9.36E-07	2.41E-06	8.65E-05
808	490636.72	3860535.12	1.83E-04	2.46E-08	9.45E-07	2.37E-06	1.87E-04	8.72E-05	1.08E-02	7.09E-05	8.70E-05	1.11E-02	8.30E-05	2.03E-08	9.45E-07	2.37E-06	8.63E-05
809	490686.72	3860535.12	1.83E-04	2.40E-08	9.54E-07	2.34E-06	1.86E-04	8.70E-05	1.06E-02	7.16E-05	8.58E-05	1.08E-02	8.28E-05	1.98E-08	9.54E-07	2.34E-06	8.61E-05
810	490736.72	3860535.12	1.82E-04	2.35E-08	9.63E-07	2.30E-06	1.86E-04	8.67E-05	1.04E-02	7.22E-05	8.45E-05	1.06E-02	8.25E-05	1.94E-08	9.63E-07	2.30E-06	8.57E-05
811	490786.72	3860535.12	1.82E-04	2.30E-08	9.72E-07	2.27E-06	1.85E-04	8.63E-05	1.01E-02	7.29E-05	8.34E-05	1.04E-02	8.21E-05	1.90E-08	9.72E-07	2.27E-06	8.54E-05
812	490136.72	3860585.12	1.74E-04	3.02E-08	8.90E-07	2.58E-06	1.78E-04	8.28E-05	1.33E-02	6.68E-05	9.48E-05	1.36E-02	7.88E-05	2.50E-08	8.90E-07	2.58E-06	8.23E-05
813	490186.72	3860585.12	1.74E-04	2.93E-08	8.85E-07	2.53E-06	1.78E-04	8.28E-05	1.29E-02	6.64E-05	9.26E-05	1.31E-02	7.88E-05	2.42E-08	8.85E-07	2.53E-06	8.22E-05
814	490236.72	3860585.12	1.75E-04	2.85E-08	8.88E-07	2.49E-06	1.79E-04	8.33E-05	1.26E-02	6.66E-05	9.14E-05	1.28E-02	7.93E-05	2.36E-08	8.88E-07	2.49E-06	8.27E-05
815	490286.72	3860585.12	1.76E-04	2.78E-08	8.90E-07	2.46E-06	1.80E-04	8.38E-05	1.22E-02	6.67E-05	9.00E-05	1.25E-02	7.98E-05	2.29E-08	8.90E-07	2.46E-06	8.31E-05
816	490336.72	3860585.12	1.77E-04	2.71E-08	8.90E-07	2.42E-06	1.81E-04	8.43E-05	1.19E-02	6.68E-05	8.86E-05	1.22E-02	8.02E-05	2.24E-08	8.90E-07	2.42E-06	8.35E-05
817	490386.72	3860585.12	1.78E-04	2.64E-08	8.93E-07	2.38E-06	1.81E-04	8.47E-05	1.16E-02	6.70E-05	8.73E-05	1.19E-02	8.06E-05	2.18E-08	8.93E-07	2.38E-06	8.38E-05
818	490436.72	3860585.12	1.79E-04	2.58E-08	9.00E-07	2.36E-06	1.83E-04	8.53E-05	1.14E-02	6.75E-05	8.64E-05	1.16E-02	8.11E-05	2.13E-08	9.00E-07	2.36E-06	8.44E-05
819	490486.72	3860585.12	1.80E-04	2.52E-08	9.07E-07	2.33E-06	1.84E-04	8.58E-05	1.11E-02	6.81E-05	8.54E-05	1.13E-02	8.16E-05	2.08E-08	9.07E-07	2.33E-06	8.49E-05
820	490536.72	3860585.12	1.81E-04	2.46E-08	9.11E-07	2.30E-06	1.84E-04	8.58E-05	1.09E-02	6.83E-05	8.42E-05	1.11E-02	8.17E-05	2.04E-08	9.11E-07	2.30E-06	8.49E-05
821	490586.72	3860585.12	1.80E-04	2.41E-08	9.12E-07	2.24E-06	1.83E-04	8.55E-05	1.06E-02	6.84E-05	8.23E-05	1.08E-02	8.14E-05	1.99E-08	9.12E-07	2.24E-06	8.45E-05
822	490636.72	3860585.12	1.80E-04	2.35E-08	9.19E-07	2.21E-06	1.83E-04	8.55E-05	1.04E-02	6.90E-05	8.12E-05	1.06E-02	8.14E-05	1.94E-08	9.19E-07	2.21E-06	8.45E-05
823	490686.72	3860585.12	1.80E-04	2.31E-08	9.28E-07	2.18E-06	1.83E-04	8.54E-05	1.02E-02	6.96E-05	8.01E-05	1.04E-02	8.13E-05	1.90E-08	9.28E-07	2.18E-06	8.44E-05
824	490736.72	3860585.12	1.79E-04	2.26E-08	9.37E-07	2.16E-06	1.82E-04	8.52E-05	9.95E-03	7.03E-05	7.91E-05	1.02E-02	8.11E-05	1.87E-08	9.37E-07	2.16E-06	8.42E-05
825	490786.72	3860585.12	1.79E-04	2.21E-08	9.45E-07	2.13E-06	1.82E-04	8.49E-05	9.75E-03	7.09E-05	7.80E-05	9.98E-03	8.08E-05	1.83E-08	9.45E-07	2.13E-06	8.39E-05
826	490136.72	3860635.12	1.71E-04	2.85E-08	8.81E-07	2.38E-06	1.74E-04	8.11E-05	1.25E-02	6.61E-05	8.73E-05	1.28E-02	7.72E-05	2.35E-08	8.81E-07	2.38E-06	8.05E-05
827	490186.72	3860635.12	1.71E-04	2.77E-08	8.78E-07	2.35E-06	1.74E-04	8.12E-05	1.22E-02	6.58E-05	8.60E-05	1.24E-02	7.72E-05	2.29E-08	8.78E-07	2.35E-06	8.05E-05
828	490236.72	3860635.12	1.71E-04	2.70E-08	8.74E-07	2.30E-06	1.74E-04	8.13E-05	1.19E-02	6.56E-05	8.44E-05	1.21E-02	7.73E-05	2.23E-08	8.74E-07	2.30E-06	8.05E-05
829	490286.72	3860635.12	1.72E-04	2.63E-08	8.74E-07	2.27E-06	1.75E-04	8.16E-05	1.16E-02	6.56E-05	8.31E-05	1.18E-02	7.77E-05	2.17E-08	8.74E-07	2.27E-06	8.09E-05
830	490336.72	3860635.12	1.73E-04	2.57E-08	8.76E-07	2.24E-06	1.76E-04	8.21E-05	1.13E-02	6.57E-05	8.20E-05	1.15E-02	7.81E-05	2.12E-08	8.76E-07	2.24E-06	8.13E-05
831	490386.72	3860635.12	1.74E-04	2.51E-08	8.77E-07	2.21E-06	1.77E-04	8.26E-05	1.10E-02	6.58E-05	8.10E-05	1.13E-02	7.86E-05	2.07E-08	8.77E-07	2.21E-06	8.17E-05
832	490436.72	3860635.12	1.74E-04	2.45E-08	8.79E-07	2.18E-06	1.78E-04	8.29E-05	1.08E-02	6.59E-05	7.98E-05	1.10E-02	7.89E-05	2.02E-08	8.79E-07	2.18E-06	8.20E-05
833	490486.72	3860635.12	1.75E-04	2.40E-08	8.82E-07	2.15E-06	1.78E-04	8.33E-05	1.06E-02	6.61E-05	7.88E-05	1.08E-02	7.93E-05	1.98E-08	8.82E-07	2.15E-06	8.23E-05
834	490536.72	3860635.12	1.76E-04	2.35E-08	8.88E-07	2.13E-06	1.79E-04	8.37E-05	1.03E-02	6.66E-05	7.81E-05	1.06E-02	7.97E-05	1.94E-08	8.88E-07	2.13E-06	8.27E-05
835	490586.72	3860635.12	1.76E-04	2.30E-08	8.91E-07	2.10E-06	1.79E-04	8.38E-05	1.01E-02	6.68E-05	7.68E-05	1.03E-02	7.97E-05	1.90E-08	8.91E-07	2.10E-06	8.27E-05
836	490636.72	3860635.12	1.76E-04	2.25E-08	8.97E-07	2.07E-06	1.79E-04	8.39E-05	9.92E-03	6.73E-05	7.59E-05	1.01E-02	7.98E-05	1.86E-08	8.97E-07	2.07E-06	8.28E-05
837	490686.72	3860635.12	1.76E-04	2.21E-08	9.05E-07	2.04E-06	1.79E-04	8.39E-05	9.72E-03	6.79E-05	7.49E-05	9.95E-03	7.98E-05	1.82E-08	9.05E-07	2.04E-06	8.28E-05
838	490736.72	3860635.12	1.76E-04	2.16E-08	9.12E-07	2.02E-06	1.79E-04	8.37E-05	9.53E-03	6.84E-05	7.39E-05	9.75E-03	7.96E-05	1.79E-08	9.12E-07	2.02E-06	8.26E-05
839	490786.72	3860635.12	1.76E-04	2.12E-08	9.20E-07	1.99E-06	1.79E-04	8.35E-05	9.35E-03	6.90E-05	7.31E-05	9.57E-03	7.95E-05	1.75E-08	9.20E-07	1.99E-06	8.24E-05
840	490136.72	3860685.12	1.66E-04	2.67E-08	8.65E-07	2.19E-06	1.69E-04	7.90E-05	1.18E-02	6.49E-05	8.05E-05	1.20E-02	7.52E-05	2.21E-08	8.65E-07	2.19E-06	7.83E-05
841	490186.72	3860685.12	1.68E-04	2.61E-08	8.73E-07	2.16E-06	1.71E-04	7.97E-05	1.15E-02	6.55E-05	7.93E-05	1.17E-02	7.59E-05	2.15E-08	8.73E-07	2.16E-06	7.89E-05
842	490236.72	3860685.12	1.67E-04	2.55E-08	8.67E-07	2.14E-06	1.71E-04	7.96E-05	1.12E-02	6.50E-05	7.83E-05	1.14E-02	7.58E-05	2.10E-08	8.67E-07	2.14E-06	7.88E-05
843	490286.72	3860685.12	1.67E-04	2.48E-08	8.60E-07	2.09E-06	1.70E-04	7.95E-05	1.09E-02	6.45E-05	7.66E-05	1.11E-02	7.57E-05	2.05E-08	8.60E-07	2.09E-06	7.86E-05
844	490336.72	3860685.12	1.68E-04	2.43E-08	8.62E-07	2.07E-06	1.71E-04	8.01E-05	1.07E-02	6.47E-05	7.59E-05	1.09E-02	7.62E-05	2.01E-08	8.62E-07	2.07E-06	7.91E-05
845	490386.72	3860685.12	1.69E-04	2.38E-08	8.63E-07	2.05E-06	1.72E-04	8.05E-05	1.05E-02	6.47E-05	7.50E-05	1.07E-02	7.66E-05	1.96E-08	8.63E-07	2.05E-06	7.95E-05
846	490436.72	3860685.12	1.70E-04	2.33E-08	8.63E-07	2.02E-06	1.73E-04	8.09E-05	1.02E-02	6.47E-05	7.40E-05	1.05E-02	7.69E-05	1.92E-08	8.63E-07	2.02E-06	7.98E-05
847	490486.72	3860685.12	1.71E-04	2.28E-08	8.63E-07	1.99E-06	1.74E-04	8.12E-05	1.00E-02	6.47E-05	7.31E-05	1.02E-02	7.72E-05	1.88E-08	8.63E-07	1.99E-06	8.01E-05
848	490536.72	3860685.12	1.71E-04	2.23E-08	8.67E-07	1.97E-06	1.74E-04	8.15E-05	9.83E-03	6.50E-05	7.23E-05	1.00E-02	7.76E-05	1.84E-08	8.67E-07	1.97E-06	8.04E-05
849	490586.72	3860685.12	1.72E-04	2.19E-08	8.71E-07	1.95E-06	1.75E-04	8.18E-05	9.64E-03	6.53E-05	7.16E-05	9.86E-03	7.79E-05	1.81E-08	8.71E-07	1.95E-06	8.07E-05
850	490636.72	3860685.12	1.73E-04	2.15E-08	8.77E-07	1.93E-06	1.76E-04	8.21E-05	9.46E-03	6.58E-05	7.09E-05	9.68E-03	7.81E-05	1.77E-08	8.77E-07	1.93E-06	8.09E-05

851	490686.72	3860685.12	1.73E-04	2.11E-08	8.84E-07	1.91E-06	1.76E-04	8.23E-05	9.29E-03	6.63E-05	7.02E-05	9.51E-03	7.83E-05	1.74E-08	8.84E-07	1.91E-06	8.11E-05
852	490736.72	3860685.12	1.73E-04	2.07E-08	8.90E-07	1.89E-06	1.76E-04	8.22E-05	9.12E-03	6.67E-05	6.94E-05	9.34E-03	7.82E-05	1.71E-08	8.90E-07	1.89E-06	8.10E-05
853	490786.72	3860685.12	1.73E-04	2.04E-08	8.99E-07	1.88E-06	1.76E-04	8.23E-05	8.96E-03	6.74E-05	6.88E-05	9.18E-03	7.83E-05	1.68E-08	8.99E-07	1.88E-06	8.11E-05
854	490136.72	3860735.12	1.62E-04	2.49E-08	8.43E-07	2.01E-06	1.64E-04	7.68E-05	1.10E-02	6.32E-05	7.37E-05	1.12E-02	7.31E-05	2.06E-08	8.43E-07	2.01E-06	7.59E-05
855	490186.72	3860735.12	1.62E-04	2.43E-08	8.45E-07	1.98E-06	1.65E-04	7.69E-05	1.07E-02	6.33E-05	7.26E-05	1.09E-02	7.32E-05	2.01E-08	8.45E-07	1.98E-06	7.61E-05
856	490236.72	3860735.12	1.62E-04	2.38E-08	8.46E-07	1.95E-06	1.65E-04	7.72E-05	1.05E-02	6.35E-05	7.16E-05	1.07E-02	7.35E-05	1.97E-08	8.46E-07	1.95E-06	7.63E-05
857	490286.72	3860735.12	1.63E-04	2.34E-08	8.47E-07	1.93E-06	1.66E-04	7.76E-05	1.03E-02	6.35E-05	7.08E-05	1.05E-02	7.38E-05	1.93E-08	8.47E-07	1.93E-06	7.66E-05
858	490336.72	3860735.12	1.64E-04	2.29E-08	8.48E-07	1.91E-06	1.67E-04	7.80E-05	1.01E-02	6.36E-05	7.00E-05	1.03E-02	7.42E-05	1.89E-08	8.48E-07	1.91E-06	7.70E-05
859	490386.72	3860735.12	1.65E-04	2.24E-08	8.49E-07	1.89E-06	1.68E-04	7.85E-05	9.89E-03	6.37E-05	6.94E-05	1.01E-02	7.47E-05	1.85E-08	8.49E-07	1.89E-06	7.74E-05
860	490436.72	3860735.12	1.66E-04	2.21E-08	8.53E-07	1.88E-06	1.69E-04	7.91E-05	9.71E-03	6.40E-05	6.90E-05	9.93E-03	7.53E-05	1.82E-08	8.53E-07	1.88E-06	7.80E-05
861	490486.72	3860735.12	1.67E-04	2.16E-08	8.51E-07	1.86E-06	1.70E-04	7.94E-05	9.52E-03	6.38E-05	6.81E-05	9.73E-03	7.55E-05	1.79E-08	8.51E-07	1.86E-06	7.83E-05
862	490536.72	3860735.12	1.67E-04	2.12E-08	8.50E-07	1.83E-06	1.70E-04	7.95E-05	9.32E-03	6.37E-05	6.72E-05	9.53E-03	7.57E-05	1.75E-08	8.50E-07	1.83E-06	7.84E-05
863	490586.72	3860735.12	1.68E-04	2.08E-08	8.52E-07	1.81E-06	1.71E-04	7.98E-05	9.15E-03	6.39E-05	6.65E-05	9.36E-03	7.59E-05	1.72E-08	8.52E-07	1.81E-06	7.86E-05
864	490636.72	3860735.12	1.68E-04	2.04E-08	8.56E-07	1.80E-06	1.71E-04	8.01E-05	8.99E-03	6.42E-05	6.59E-05	9.20E-03	7.62E-05	1.69E-08	8.56E-07	1.80E-06	7.89E-05
865	490686.72	3860735.12	1.69E-04	2.01E-08	8.62E-07	1.79E-06	1.72E-04	8.04E-05	8.85E-03	6.47E-05	6.55E-05	9.06E-03	7.65E-05	1.66E-08	8.62E-07	1.79E-06	7.92E-05
866	490736.72	3860735.12	1.70E-04	1.98E-08	8.69E-07	1.77E-06	1.72E-04	8.07E-05	8.71E-03	6.52E-05	6.50E-05	8.92E-03	7.68E-05	1.63E-08	8.69E-07	1.77E-06	7.94E-05
867	490136.72	3860785.12	1.57E-04	2.31E-08	8.24E-07	1.85E-06	1.60E-04	7.48E-05	1.02E-02	6.18E-05	6.77E-05	1.04E-02	7.12E-05	1.91E-08	8.24E-07	1.85E-06	7.39E-05
868	490186.72	3860785.12	1.58E-04	2.27E-08	8.28E-07	1.82E-06	1.60E-04	7.50E-05	1.00E-02	6.21E-05	6.69E-05	1.02E-02	7.14E-05	1.88E-08	8.28E-07	1.82E-06	7.41E-05
869	490236.72	3860785.12	1.58E-04	2.23E-08	8.31E-07	1.80E-06	1.61E-04	7.53E-05	9.82E-03	6.23E-05	6.61E-05	1.00E-02	7.16E-05	1.84E-08	8.31E-07	1.80E-06	7.43E-05
870	490286.72	3860785.12	1.59E-04	2.19E-08	8.33E-07	1.78E-06	1.62E-04	7.56E-05	9.64E-03	6.24E-05	6.54E-05	9.84E-03	7.19E-05	1.81E-08	8.33E-07	1.78E-06	7.46E-05
871	490336.72	3860785.12	1.60E-04	2.15E-08	8.33E-07	1.76E-06	1.62E-04	7.59E-05	9.47E-03	6.25E-05	6.47E-05	9.67E-03	7.22E-05	1.78E-08	8.33E-07	1.76E-06	7.49E-05
872	490386.72	3860785.12	1.61E-04	2.12E-08	8.36E-07	1.75E-06	1.63E-04	7.65E-05	9.32E-03	6.27E-05	6.43E-05	9.52E-03	7.28E-05	1.75E-08	8.36E-07	1.75E-06	7.54E-05
873	490436.72	3860785.12	1.62E-04	2.08E-08	8.36E-07	1.74E-06	1.64E-04	7.69E-05	9.15E-03	6.27E-05	6.37E-05	9.36E-03	7.31E-05	1.72E-08	8.36E-07	1.74E-06	7.57E-05
874	490486.72	3860785.12	1.63E-04	2.05E-08	8.38E-07	1.73E-06	1.65E-04	7.74E-05	9.01E-03	6.28E-05	6.33E-05	9.21E-03	7.37E-05	1.69E-08	8.38E-07	1.73E-06	7.62E-05
875	490536.72	3860785.12	1.63E-04	2.01E-08	8.37E-07	1.71E-06	1.66E-04	7.77E-05	8.84E-03	6.28E-05	6.26E-05	9.05E-03	7.39E-05	1.66E-08	8.37E-07	1.71E-06	7.65E-05
876	490586.72	3860785.12	1.64E-04	1.97E-08	8.35E-07	1.69E-06	1.66E-04	7.79E-05	8.68E-03	6.26E-05	6.19E-05	8.88E-03	7.41E-05	1.63E-08	8.35E-07	1.69E-06	7.66E-05
877	490636.72	3860785.12	1.64E-04	1.94E-08	8.38E-07	1.67E-06	1.67E-04	7.82E-05	8.53E-03	6.28E-05	6.13E-05	8.73E-03	7.44E-05	1.60E-08	8.38E-07	1.67E-06	7.69E-05
878	490686.72	3860785.12	1.65E-04	1.91E-08	8.42E-07	1.66E-06	1.68E-04	7.85E-05	8.40E-03	6.31E-05	6.09E-05	8.60E-03	7.47E-05	1.58E-08	8.42E-07	1.66E-06	7.72E-05
879	490736.72	3860785.12	1.66E-04	1.88E-08	8.48E-07	1.65E-06	1.68E-04	7.88E-05	8.28E-03	6.36E-05	6.06E-05	8.48E-03	7.50E-05	1.55E-08	8.48E-07	1.65E-06	7.75E-05
880	490086.72	3860835.12	1.54E-04	2.19E-08	7.99E-07	1.72E-06	1.56E-04	7.30E-05	9.62E-03	5.99E-05	6.31E-05	9.82E-03	6.95E-05	1.80E-08	7.99E-07	1.72E-06	7.20E-05
881	490136.72	3860835.12	1.54E-04	2.15E-08	8.08E-07	1.71E-06	1.57E-04	7.32E-05	9.48E-03	6.06E-05	6.26E-05	9.68E-03	6.97E-05	1.78E-08	8.08E-07	1.71E-06	7.22E-05
882	490186.72	3860835.12	1.54E-04	2.12E-08	8.13E-07	1.69E-06	1.57E-04	7.33E-05	9.32E-03	6.10E-05	6.19E-05	9.52E-03	6.98E-05	1.75E-08	8.13E-07	1.69E-06	7.23E-05
883	490236.72	3860835.12	1.55E-04	2.08E-08	8.16E-07	1.67E-06	1.57E-04	7.35E-05	9.17E-03	6.12E-05	6.12E-05	9.37E-03	6.99E-05	1.72E-08	8.16E-07	1.67E-06	7.24E-05
884	490286.72	3860835.12	1.55E-04	2.05E-08	8.20E-07	1.65E-06	1.58E-04	7.38E-05	9.03E-03	6.15E-05	6.07E-05	9.22E-03	7.02E-05	1.69E-08	8.20E-07	1.65E-06	7.27E-05
885	490336.72	3860835.12	1.56E-04	2.02E-08	8.21E-07	1.64E-06	1.58E-04	7.41E-05	8.88E-03	6.16E-05	6.00E-05	9.08E-03	7.05E-05	1.67E-08	8.21E-07	1.64E-06	7.29E-05
886	490386.72	3860835.12	1.56E-04	1.99E-08	8.21E-07	1.62E-06	1.59E-04	7.44E-05	8.74E-03	6.16E-05	5.95E-05	8.94E-03	7.08E-05	1.64E-08	8.21E-07	1.62E-06	7.32E-05
887	490436.72	3860835.12	1.57E-04	1.96E-08	8.22E-07	1.61E-06	1.60E-04	7.49E-05	8.62E-03	6.17E-05	5.90E-05	8.81E-03	7.12E-05	1.62E-08	8.22E-07	1.61E-06	7.37E-05
888	490486.72	3860835.12	1.58E-04	1.93E-08	8.23E-07	1.60E-06	1.61E-04	7.53E-05	8.49E-03	6.17E-05	5.86E-05	8.68E-03	7.17E-05	1.59E-08	8.23E-07	1.60E-06	7.41E-05
889	490536.72	3860835.12	1.59E-04	1.90E-08	8.23E-07	1.59E-06	1.62E-04	7.57E-05	8.36E-03	6.17E-05	5.82E-05	8.55E-03	7.20E-05	1.57E-08	8.23E-07	1.59E-06	7.45E-05
890	490586.72	3860835.12	1.60E-04	1.87E-08	8.22E-07	1.57E-06	1.62E-04	7.60E-05	8.22E-03	6.17E-05	5.77E-05	8.42E-03	7.23E-05	1.54E-08	8.22E-07	1.57E-06	7.47E-05
891	490636.72	3860835.12	1.60E-04	1.84E-08	8.22E-07	1.56E-06	1.63E-04	7.63E-05	8.09E-03	6.17E-05	5.72E-05	8.29E-03	7.26E-05	1.52E-08	8.22E-07	1.56E-06	7.50E-05
892	490686.72	3860835.12	1.61E-04	1.81E-08	8.25E-07	1.55E-06	1.64E-04	7.67E-05	7.97E-03	6.19E-05	5.68E-05	8.17E-03	7.29E-05	1.50E-08	8.25E-07	1.55E-06	7.53E-05
893	490736.72	3860835.12	1.62E-04	1.79E-08	8.30E-07	1.54E-06	1.64E-04	7.70E-05	7.87E-03	6.23E-05	5.66E-05	8.06E-03	7.33E-05	1.48E-08	8.30E-07	1.54E-06	7.57E-05
894	490086.72	3860885.12	1.51E-04	2.03E-08	7.82E-07	1.59E-06	1.53E-04	7.16E-05	8.92E-03	5.86E-05	5.83E-05	9.11E-03	6.81E-05	1.67E-08	7.82E-07	1.59E-06	7.05E-05
895	490136.72	3860885.12	1.51E-04	2.00E-08	7.91E-07	1.58E-06	1.53E-04	7.17E-05	8.80E-03	5.93E-05	5.79E-05	8.99E-03	6.82E-05	1.65E-08	7.91E-07	1.58E-06	7.06E-05
896	490186.72	3860885.12	1.51E-04	1.97E-08	7.98E-07	1.56E-06	1.53E-04	7.18E-05	8.68E-03	5.98E-05	5.74E-05	8.87E-03	6.83E-05	1.63E-08	7.98E-07	1.56E-06	7.07E-05
897	490236.72	3860885.12	1.51E-04	1.94E-08	8.03E-07	1.55E-06	1.54E-04	7.19E-05	8.56E-03	6.02E-05	5.69E-05	8.75E-03	6.84E-05	1.61E-08	8.03E-07	1.55E-06	7.08E-05
898	490286.72	3860885.12	1.52E-04	1.92E-08	8.06E-07	1.54E-06	1.54E-04	7.21E-05	8.44E-03	6.05E-05	5.64E-05	8.63E-03	6.86E-05	1.58E-08	8.06E-07	1.54E-06	7.09E-05
899	490336.72	3860885.12	1.52E-04	1.89E-08	8.08E-07	1.52E-06	1.54E-04	7.23E-05	8.32E-03	6.06E-05	5.59E-05	8.51E-03	6.88E-05	1.56E-08	8.08E-07	1.52E-06	7.11E-05
900	490386.72	3860885.12	1.53E-04	1.86E-08	8.10E-07	1.51E-06	1.55E-04	7.26E-05	8.21E-03	6.07E-05	5.54E-05	8.40E-03	6.91E-05	1.54E-08	8.10E-07	1.51E-06	7.14E-05
901	490436.72	3860885.12	1.54E-04	1.84E-08	8.10E-07	1.50E-06	1.56E-04	7.30E-05	8.11E-03	6.08E-05	5.51E-05	8.30E-03	6.95E-05	1.52E-08	8.10E-07	1.50E-06	7.18E-05
902	490486.72	3860885.12	1.54E-04	1.82E-08	8.10E-07	1.49E-06	1.57E-04	7.34E-05	8.00E-03	6.08E-05	5.47E-05	8.19E-03	6.99E-05	1.50E-08	8.10E-07	1.49E-06	7.22E-05
903	490536.72	3860885.12	1.55E-04	1.79E-08	8.10E-07	1.48E-06	1.58E-04	7.38E-05	7.89E-03	6.08E-05	5.42E-05	8.07E-03	7.02E-05	1.48E-08	8.10E-07	1.48E-06	7.25E-05
904	490586.72	3860885.12	1.56E-04	1.76E-08	8.10E-07	1.47E-06	1.58E-04	7.41E-05	7.77E-03	6.07E-05	5.38E-05	7.96E-03	7.05E-05	1.46E-08	8.10E-07	1.47E-06	7.28E-05
905	490636.72	3860885.12	1.57E-04	1.74E-08	8.09E-07	1.46E-06	1.59E-04	7.45E-05	7.66E-03	6.07E-05	5.34E-05	7.85E-03	7.08E-05	1.44E-08	8.09E-07	1.46E-06	7.31E-05
906	490686.72	3860885.12	1.57E-04	1.72E-08	8.10E-07	1.45E-06	1.60E-04	7.48E-05	7.56E-03	6.07E-05	5.31E-05	7.74E-03	7.12E-05	1.42E-08	8.10E-07	1.45E-06	7.35E-05
907	490736.72	3860885.12	1.58E-04	1.69E-08	8.12E-07	1.44E-06	1.60E-04	7.51E-05	7.46E-03	6.09E-05	5.28E-05	7.65E-03	7.15E-05	1.40E-08	8.12E-07	1.44E-06	7.38E-05
908	490086.72	3860935.12	1.48E-04	1.87E-08	7.62E-07	1.47E-06	1.50E-04	7.01E-05	8.26E-03	5.72E-05	5.38E-05	8.44E-03	6.67E-05	1.55E-08	7.62E-07	1.47E-06	6.90E-05
909	490136.72	3860935.12	1.47E-04	1.85E-08	7.72E-07	1.46E-06	1.50E-04	7.01E-05	8.16E-03	5.79E-05	5.35E-05	8.34E-03	6.67E-05	1.53E-08	7.72E-07	1.46E-06	6.89E-05
910	490186.72	3860935.12	1.48E-04	1.83E-08	7.82E-07	1.45E-06	1.50E-04	7.02E-05	8.07E-03	5.86E-05	5.32E-05	8.26E-03	6.68E-05	1.51E-08	7.82E-07	1.45E-06	6.91E-05
911	490236.72	3860935.12	1.48E-04	1.81E-08	7.88E-07	1.44E-06	1.50E-04	7.03E-05	7.98E-03	5.91E-05	5.29E-05	8.17E-03	6.69E-05	1.50E-08	7.88E-07	1.44E-06	6.92E-05

912	490286.72	3860935.12	1.48E-04	1.79E-08	7.93E-07	1.43E-06	1.51E-04	7.05E-05	7.90E-03	5.95E-05	5.26E-05	8.08E-03	6.71E-05	1.48E-08	7.93E-07	1.43E-06	6.93E-05
913	490336.72	3860935.12	1.49E-04	1.77E-08	7.95E-07	1.42E-06	1.51E-04	7.07E-05	7.80E-03	5.96E-05	5.22E-05	7.98E-03	6.72E-05	1.46E-08	7.95E-07	1.42E-06	6.95E-05
914	490386.72	3860935.12	1.49E-04	1.75E-08	7.98E-07	1.41E-06	1.51E-04	7.10E-05	7.71E-03	5.98E-05	5.18E-05	7.89E-03	6.75E-05	1.45E-08	7.98E-07	1.41E-06	6.97E-05
915	490436.72	3860935.12	1.50E-04	1.73E-08	7.99E-07	1.41E-06	1.52E-04	7.13E-05	7.62E-03	6.00E-05	5.15E-05	7.81E-03	6.79E-05	1.43E-08	7.99E-07	1.41E-06	7.01E-05
916	490486.72	3860935.12	1.51E-04	1.71E-08	7.99E-07	1.39E-06	1.53E-04	7.16E-05	7.53E-03	5.99E-05	5.11E-05	7.71E-03	6.82E-05	1.41E-08	7.99E-07	1.39E-06	7.04E-05
917	490536.72	3860935.12	1.51E-04	1.69E-08	7.99E-07	1.39E-06	1.54E-04	7.20E-05	7.44E-03	5.99E-05	5.08E-05	7.62E-03	6.85E-05	1.39E-08	7.99E-07	1.39E-06	7.07E-05
918	490586.72	3860935.12	1.52E-04	1.67E-08	7.98E-07	1.38E-06	1.54E-04	7.23E-05	7.34E-03	5.98E-05	5.05E-05	7.52E-03	6.88E-05	1.38E-08	7.98E-07	1.38E-06	7.10E-05
919	490636.72	3860935.12	1.53E-04	1.65E-08	7.97E-07	1.37E-06	1.55E-04	7.27E-05	7.25E-03	5.98E-05	5.01E-05	7.43E-03	6.91E-05	1.36E-08	7.97E-07	1.37E-06	7.13E-05
920	490686.72	3860935.12	1.54E-04	1.63E-08	7.97E-07	1.36E-06	1.56E-04	7.30E-05	7.16E-03	5.98E-05	4.98E-05	7.34E-03	6.95E-05	1.34E-08	7.97E-07	1.36E-06	7.16E-05
921	490736.72	3860935.12	1.54E-04	1.61E-08	7.98E-07	1.35E-06	1.56E-04	7.33E-05	7.07E-03	5.98E-05	4.95E-05	7.25E-03	6.98E-05	1.33E-08	7.98E-07	1.35E-06	7.20E-05
922	490786.72	3860935.12	1.55E-04	1.59E-08	8.00E-07	1.34E-06	1.57E-04	7.37E-05	6.98E-03	6.00E-05	4.93E-05	7.17E-03	7.01E-05	1.31E-08	8.00E-07	1.34E-06	7.23E-05
923	490836.72	3860935.12	1.56E-04	1.57E-08	8.04E-07	1.34E-06	1.58E-04	7.41E-05	6.91E-03	6.03E-05	4.91E-05	7.10E-03	7.05E-05	1.30E-08	8.04E-07	1.34E-06	7.26E-05
924	490086.72	3860985.12	1.45E-04	1.74E-08	7.43E-07	1.36E-06	1.47E-04	6.88E-05	7.66E-03	5.57E-05	4.99E-05	7.83E-03	6.55E-05	1.44E-08	7.43E-07	1.36E-06	6.76E-05
925	490136.72	3860985.12	1.45E-04	1.72E-08	7.56E-07	1.35E-06	1.47E-04	6.88E-05	7.59E-03	5.67E-05	4.97E-05	7.76E-03	6.55E-05	1.42E-08	7.56E-07	1.35E-06	6.76E-05
926	490186.72	3860985.12	1.45E-04	1.71E-08	7.67E-07	1.35E-06	1.47E-04	6.89E-05	7.53E-03	5.75E-05	4.95E-05	7.70E-03	6.56E-05	1.41E-08	7.67E-07	1.35E-06	6.77E-05
927	490236.72	3860985.12	1.45E-04	1.69E-08	7.74E-07	1.34E-06	1.47E-04	6.89E-05	7.45E-03	5.80E-05	4.93E-05	7.63E-03	6.56E-05	1.40E-08	7.74E-07	1.34E-06	6.77E-05
928	490286.72	3860985.12	1.45E-04	1.67E-08	7.79E-07	1.34E-06	1.47E-04	6.90E-05	7.38E-03	5.84E-05	4.90E-05	7.55E-03	6.56E-05	1.38E-08	7.79E-07	1.34E-06	6.78E-05
929	490336.72	3860985.12	1.45E-04	1.66E-08	7.82E-07	1.33E-06	1.48E-04	6.91E-05	7.30E-03	5.87E-05	4.88E-05	7.48E-03	6.58E-05	1.37E-08	7.82E-07	1.33E-06	6.79E-05
930	490386.72	3860985.12	1.46E-04	1.64E-08	7.86E-07	1.32E-06	1.48E-04	6.93E-05	7.23E-03	5.89E-05	4.85E-05	7.41E-03	6.60E-05	1.36E-08	7.86E-07	1.32E-06	6.81E-05
931	490436.72	3860985.12	1.47E-04	1.63E-08	7.88E-07	1.32E-06	1.49E-04	6.97E-05	7.17E-03	5.91E-05	4.83E-05	7.34E-03	6.63E-05	1.34E-08	7.88E-07	1.32E-06	6.84E-05
932	490486.72	3860985.12	1.47E-04	1.61E-08	7.88E-07	1.31E-06	1.49E-04	7.00E-05	7.09E-03	5.91E-05	4.80E-05	7.27E-03	6.66E-05	1.33E-08	7.88E-07	1.31E-06	6.87E-05
933	490536.72	3860985.12	1.48E-04	1.59E-08	7.88E-07	1.30E-06	1.50E-04	7.02E-05	7.01E-03	5.91E-05	4.77E-05	7.19E-03	6.68E-05	1.31E-08	7.88E-07	1.30E-06	6.89E-05
934	490586.72	3860985.12	1.48E-04	1.57E-08	7.87E-07	1.29E-06	1.51E-04	7.06E-05	6.93E-03	5.90E-05	4.74E-05	7.11E-03	6.71E-05	1.30E-08	7.87E-07	1.29E-06	6.92E-05
935	490636.72	3860985.12	1.49E-04	1.56E-08	7.87E-07	1.28E-06	1.51E-04	7.09E-05	6.85E-03	5.90E-05	4.71E-05	7.03E-03	6.75E-05	1.29E-08	7.87E-07	1.28E-06	6.96E-05
936	490686.72	3860985.12	1.50E-04	1.54E-08	7.86E-07	1.28E-06	1.52E-04	7.13E-05	6.77E-03	5.89E-05	4.68E-05	6.95E-03	6.78E-05	1.27E-08	7.86E-07	1.28E-06	6.99E-05
937	490736.72	3860985.12	1.51E-04	1.52E-08	7.85E-07	1.27E-06	1.53E-04	7.16E-05	6.70E-03	5.89E-05	4.66E-05	6.87E-03	6.81E-05	1.26E-08	7.85E-07	1.27E-06	7.02E-05
938	490786.72	3860985.12	1.51E-04	1.50E-08	7.86E-07	1.26E-06	1.53E-04	7.20E-05	6.62E-03	5.89E-05	4.64E-05	6.80E-03	6.85E-05	1.24E-08	7.86E-07	1.26E-06	7.05E-05
939	490836.72	3860985.12	1.52E-04	1.49E-08	7.88E-07	1.26E-06	1.54E-04	7.23E-05	6.56E-03	5.91E-05	4.62E-05	6.74E-03	6.88E-05	1.23E-08	7.88E-07	1.26E-06	7.09E-05
940	490086.72	3861035.12	1.42E-04	1.61E-08	7.24E-07	1.26E-06	1.44E-04	6.75E-05	7.10E-03	5.43E-05	4.64E-05	7.27E-03	6.42E-05	1.33E-08	7.24E-07	1.26E-06	6.62E-05
941	490136.72	3861035.12	1.42E-04	1.60E-08	7.38E-07	1.26E-06	1.44E-04	6.75E-05	7.06E-03	5.54E-05	4.62E-05	7.23E-03	6.43E-05	1.32E-08	7.38E-07	1.26E-06	6.63E-05
942	490186.72	3861035.12	1.42E-04	1.59E-08	7.49E-07	1.26E-06	1.44E-04	6.75E-05	7.01E-03	5.62E-05	4.61E-05	7.18E-03	6.43E-05	1.31E-08	7.49E-07	1.26E-06	6.63E-05
943	490236.72	3861035.12	1.42E-04	1.58E-08	7.59E-07	1.25E-06	1.44E-04	6.76E-05	6.96E-03	5.69E-05	4.60E-05	7.13E-03	6.43E-05	1.30E-08	7.59E-07	1.25E-06	6.63E-05
944	490286.72	3861035.12	1.42E-04	1.57E-08	7.65E-07	1.25E-06	1.44E-04	6.76E-05	6.90E-03	5.74E-05	4.58E-05	7.07E-03	6.43E-05	1.29E-08	7.65E-07	1.25E-06	6.64E-05
945	490336.72	3861035.12	1.42E-04	1.55E-08	7.70E-07	1.24E-06	1.44E-04	6.77E-05	6.84E-03	5.77E-05	4.56E-05	7.01E-03	6.44E-05	1.28E-08	7.70E-07	1.24E-06	6.64E-05
946	490386.72	3861035.12	1.43E-04	1.54E-08	7.74E-07	1.24E-06	1.45E-04	6.79E-05	6.79E-03	5.80E-05	4.55E-05	6.96E-03	6.46E-05	1.27E-08	7.74E-07	1.24E-06	6.66E-05
947	490436.72	3861035.12	1.43E-04	1.53E-08	7.77E-07	1.24E-06	1.45E-04	6.82E-05	6.74E-03	5.83E-05	4.54E-05	6.91E-03	6.49E-05	1.26E-08	7.77E-07	1.24E-06	6.69E-05
948	490486.72	3861035.12	1.44E-04	1.52E-08	7.78E-07	1.23E-06	1.46E-04	6.84E-05	6.68E-03	5.84E-05	4.52E-05	6.85E-03	6.51E-05	1.25E-08	7.78E-07	1.23E-06	6.71E-05
949	490536.72	3861035.12	1.44E-04	1.50E-08	7.77E-07	1.22E-06	1.46E-04	6.87E-05	6.61E-03	5.83E-05	4.49E-05	6.78E-03	6.53E-05	1.24E-08	7.77E-07	1.22E-06	6.73E-05
950	490586.72	3861035.12	1.45E-04	1.49E-08	7.76E-07	1.22E-06	1.47E-04	6.89E-05	6.54E-03	5.82E-05	4.46E-05	6.72E-03	6.56E-05	1.23E-08	7.76E-07	1.22E-06	6.76E-05
951	490636.72	3861035.12	1.46E-04	1.47E-08	7.76E-07	1.21E-06	1.48E-04	6.92E-05	6.48E-03	5.82E-05	4.44E-05	6.65E-03	6.59E-05	1.21E-08	7.76E-07	1.21E-06	6.79E-05
952	490686.72	3861035.12	1.46E-04	1.46E-08	7.75E-07	1.20E-06	1.48E-04	6.95E-05	6.41E-03	5.81E-05	4.41E-05	6.58E-03	6.62E-05	1.20E-08	7.75E-07	1.20E-06	6.82E-05
953	490736.72	3861035.12	1.47E-04	1.44E-08	7.74E-07	1.20E-06	1.49E-04	6.99E-05	6.34E-03	5.80E-05	4.39E-05	6.52E-03	6.65E-05	1.19E-08	7.74E-07	1.20E-06	6.85E-05
954	490786.72	3861035.12	1.48E-04	1.43E-08	7.74E-07	1.19E-06	1.50E-04	7.03E-05	6.28E-03	5.80E-05	4.37E-05	6.46E-03	6.69E-05	1.18E-08	7.74E-07	1.19E-06	6.88E-05
955	490836.72	3861035.12	1.49E-04	1.41E-08	7.76E-07	1.19E-06	1.51E-04	7.07E-05	6.23E-03	5.82E-05	4.36E-05	6.40E-03	6.72E-05	1.17E-08	7.76E-07	1.19E-06	6.92E-05
956	490086.72	3861085.12	1.39E-04	1.50E-08	7.05E-07	1.18E-06	1.41E-04	6.63E-05	6.61E-03	5.29E-05	4.33E-05	6.77E-03	6.31E-05	1.24E-08	7.05E-07	1.18E-06	6.50E-05
957	490136.72	3861085.12	1.40E-04	1.49E-08	7.20E-07	1.18E-06	1.41E-04	6.64E-05	6.58E-03	5.40E-05	4.32E-05	6.74E-03	6.31E-05	1.23E-08	7.20E-07	1.18E-06	6.51E-05
958	490186.72	3861085.12	1.40E-04	1.49E-08	7.35E-07	1.18E-06	1.42E-04	6.65E-05	6.55E-03	5.51E-05	4.32E-05	6.72E-03	6.32E-05	1.23E-08	7.35E-07	1.18E-06	6.52E-05
959	490236.72	3861085.12	1.40E-04	1.48E-08	7.44E-07	1.17E-06	1.42E-04	6.64E-05	6.51E-03	5.58E-05	4.30E-05	6.67E-03	6.32E-05	1.22E-08	7.44E-07	1.17E-06	6.51E-05
960	490286.72	3861085.12	1.40E-04	1.47E-08	7.52E-07	1.17E-06	1.42E-04	6.64E-05	6.46E-03	5.64E-05	4.29E-05	6.63E-03	6.32E-05	1.21E-08	7.52E-07	1.17E-06	6.51E-05
961	490336.72	3861085.12	1.40E-04	1.46E-08	7.57E-07	1.17E-06	1.42E-04	6.64E-05	6.41E-03	5.68E-05	4.28E-05	6.58E-03	6.32E-05	1.20E-08	7.57E-07	1.17E-06	6.51E-05
962	490386.72	3861085.12	1.40E-04	1.45E-08	7.62E-07	1.17E-06	1.42E-04	6.66E-05	6.38E-03	5.72E-05	4.27E-05	6.54E-03	6.33E-05	1.20E-08	7.62E-07	1.17E-06	6.53E-05
963	490436.72	3861085.12	1.40E-04	1.44E-08	7.65E-07	1.16E-06	1.42E-04	6.67E-05	6.33E-03	5.73E-05	4.26E-05	6.50E-03	6.35E-05	1.19E-08	7.65E-07	1.16E-06	6.54E-05
964	490486.72	3861085.12	1.41E-04	1.43E-08	7.66E-07	1.16E-06	1.43E-04	6.69E-05	6.29E-03	5.75E-05	4.25E-05	6.45E-03	6.37E-05	1.18E-08	7.66E-07	1.16E-06	6.56E-05
965	490536.72	3861085.12	1.41E-04	1.42E-08	7.68E-07	1.15E-06	1.43E-04	6.72E-05	6.24E-03	5.76E-05	4.23E-05	6.41E-03	6.39E-05	1.17E-08	7.68E-07	1.15E-06	6.59E-05
966	490586.72	3861085.12	1.42E-04	1.40E-08	7.67E-07	1.15E-06	1.44E-04	6.74E-05	6.18E-03	5.75E-05	4.22E-05	6.35E-03	6.41E-05	1.16E-08	7.67E-07	1.15E-06	6.60E-05
967	490636.72	3861085.12	1.42E-04	1.39E-08	7.65E-07	1.14E-06	1.44E-04	6.76E-05	6.12E-03	5.74E-05	4.19E-05	6.29E-03	6.43E-05	1.15E-08	7.65E-07	1.14E-06	6.62E-05
968	490686.72	3861085.12	1.43E-04	1.38E-08	7.65E-07	1.14E-06	1.45E-04	6.79E-05	6.06E-03	5.73E-05	4.17E-05	6.23E-03	6.46E-05	1.14E-08	7.65E-07	1.14E-06	6.65E-05
969	490736.72	3861085.12	1.44E-04	1.36E-08	7.64E-07	1.13E-06	1.45E-04	6.82E-05	6.01E-03	5.73E-05	4.15E-05	6.18E-03	6.49E-05	1.13E-08	7.64E-07	1.13E-06	6.68E-05
970	490786.72	3861085.12	1.44E-04	1.35E-08	7.63E-07	1.13E-06	1.46E-04	6.86E-05	5.96E-03	5.72E-05	4.14E-05	6.13E-03	6.53E-05	1.12E-08	7.63E-07	1.13E-06	6.72E-05
971	490836.72	3861085.12	1.45E-04	1.34E-08	7.64E-07	1.12E-06	1.47E-04	6.90E-05	5.91E-03	5.73E-05	4.12E-05	6.07E-03	6.56E-05	1.11E-08	7.64E-07	1.12E-06	6.75E-05
972	490086.72	3861135.12	1.37E-04	1.40E-08	6.85E-07	1.11E-06	1.39E-04	6.51E-05	6.16E-03	5.13E-05	4.05E-05	6.31E-03	6.19E-05	1.15E-08	6.85E-07	1.11E-06	6.37E-05

973	490136.72	3861135.12	1.37E-04	1.39E-08	7.02E-07	1.10E-06	1.39E-04	6.51E-05	6.14E-03	5.26E-05	4.05E-05	6.29E-03	6.20E-05	1.15E-08	7.02E-07	1.10E-06	6.38E-05
974	490186.72	3861135.12	1.37E-04	1.39E-08	7.16E-07	1.10E-06	1.39E-04	6.52E-05	6.12E-03	5.37E-05	4.04E-05	6.28E-03	6.20E-05	1.15E-08	7.16E-07	1.10E-06	6.39E-05
975	490236.72	3861135.12	1.37E-04	1.38E-08	7.28E-07	1.10E-06	1.39E-04	6.52E-05	6.09E-03	5.46E-05	4.04E-05	6.25E-03	6.21E-05	1.14E-08	7.28E-07	1.10E-06	6.39E-05
976	490286.72	3861135.12	1.37E-04	1.38E-08	7.37E-07	1.10E-06	1.39E-04	6.52E-05	6.06E-03	5.53E-05	4.03E-05	6.22E-03	6.21E-05	1.14E-08	7.37E-07	1.10E-06	6.39E-05
977	490336.72	3861135.12	1.37E-04	1.37E-08	7.44E-07	1.10E-06	1.39E-04	6.52E-05	6.03E-03	5.58E-05	4.02E-05	6.19E-03	6.21E-05	1.13E-08	7.44E-07	1.10E-06	6.39E-05
978	490386.72	3861135.12	1.37E-04	1.36E-08	7.50E-07	1.10E-06	1.39E-04	6.53E-05	5.99E-03	5.63E-05	4.02E-05	6.16E-03	6.21E-05	1.12E-08	7.50E-07	1.10E-06	6.40E-05
979	490436.72	3861135.12	1.37E-04	1.35E-08	7.54E-07	1.09E-06	1.39E-04	6.54E-05	5.96E-03	5.65E-05	4.01E-05	6.12E-03	6.22E-05	1.12E-08	7.54E-07	1.09E-06	6.41E-05
980	490486.72	3861135.12	1.38E-04	1.34E-08	7.56E-07	1.09E-06	1.40E-04	6.55E-05	5.92E-03	5.67E-05	4.00E-05	6.08E-03	6.23E-05	1.11E-08	7.56E-07	1.09E-06	6.42E-05
981	490536.72	3861135.12	1.38E-04	1.34E-08	7.57E-07	1.09E-06	1.40E-04	6.57E-05	5.88E-03	5.68E-05	3.99E-05	6.05E-03	6.25E-05	1.10E-08	7.57E-07	1.09E-06	6.44E-05
982	490586.72	3861135.12	1.39E-04	1.33E-08	7.57E-07	1.08E-06	1.40E-04	6.59E-05	5.84E-03	5.68E-05	3.98E-05	6.00E-03	6.27E-05	1.10E-08	7.57E-07	1.08E-06	6.46E-05
983	490636.72	3861135.12	1.39E-04	1.31E-08	7.56E-07	1.08E-06	1.41E-04	6.61E-05	5.79E-03	5.67E-05	3.96E-05	5.95E-03	6.29E-05	1.09E-08	7.56E-07	1.08E-06	6.47E-05
984	490686.72	3861135.12	1.40E-04	1.30E-08	7.55E-07	1.08E-06	1.41E-04	6.64E-05	5.74E-03	5.66E-05	3.95E-05	5.91E-03	6.31E-05	1.08E-08	7.55E-07	1.08E-06	6.50E-05
985	490736.72	3861135.12	1.40E-04	1.29E-08	7.54E-07	1.07E-06	1.42E-04	6.67E-05	5.70E-03	5.66E-05	3.93E-05	5.86E-03	6.34E-05	1.07E-08	7.54E-07	1.07E-06	6.53E-05
986	490786.72	3861135.12	1.41E-04	1.28E-08	7.54E-07	1.07E-06	1.43E-04	6.70E-05	5.66E-03	5.65E-05	3.92E-05	5.82E-03	6.38E-05	1.06E-08	7.54E-07	1.07E-06	6.56E-05
987	490836.72	3861135.12	1.42E-04	1.27E-08	7.53E-07	1.07E-06	1.44E-04	6.74E-05	5.61E-03	5.64E-05	3.91E-05	5.77E-03	6.41E-05	1.05E-08	7.53E-07	1.07E-06	6.59E-05
988	490086.72	3861185.12	1.34E-04	1.31E-08	6.65E-07	1.04E-06	1.36E-04	6.39E-05	5.75E-03	4.99E-05	3.82E-05	5.91E-03	6.08E-05	1.08E-08	6.65E-07	1.04E-06	6.25E-05
989	490136.72	3861185.12	1.34E-04	1.30E-08	6.81E-07	1.04E-06	1.36E-04	6.38E-05	5.73E-03	5.11E-05	3.80E-05	5.88E-03	6.07E-05	1.07E-08	6.81E-07	1.04E-06	6.25E-05
990	490186.72	3861185.12	1.34E-04	1.30E-08	6.97E-07	1.04E-06	1.36E-04	6.39E-05	5.71E-03	5.23E-05	3.80E-05	5.87E-03	6.08E-05	1.07E-08	6.97E-07	1.04E-06	6.25E-05
991	490236.72	3861185.12	1.35E-04	1.29E-08	7.10E-07	1.04E-06	1.36E-04	6.39E-05	5.70E-03	5.33E-05	3.80E-05	5.85E-03	6.08E-05	1.07E-08	7.10E-07	1.04E-06	6.26E-05
992	490286.72	3861185.12	1.35E-04	1.29E-08	7.22E-07	1.04E-06	1.36E-04	6.40E-05	5.69E-03	5.42E-05	3.80E-05	5.84E-03	6.09E-05	1.07E-08	7.22E-07	1.04E-06	6.27E-05
993	490336.72	3861185.12	1.34E-04	1.28E-08	7.29E-07	1.03E-06	1.36E-04	6.39E-05	5.65E-03	5.47E-05	3.78E-05	5.81E-03	6.08E-05	1.06E-08	7.29E-07	1.03E-06	6.26E-05
994	490386.72	3861185.12	1.35E-04	1.28E-08	7.36E-07	1.03E-06	1.36E-04	6.40E-05	5.63E-03	5.52E-05	3.78E-05	5.78E-03	6.09E-05	1.06E-08	7.36E-07	1.03E-06	6.26E-05
995	490436.72	3861185.12	1.35E-04	1.27E-08	7.42E-07	1.03E-06	1.37E-04	6.41E-05	5.61E-03	5.56E-05	3.78E-05	5.77E-03	6.10E-05	1.05E-08	7.42E-07	1.03E-06	6.28E-05
996	490486.72	3861185.12	1.35E-04	1.27E-08	7.44E-07	1.03E-06	1.37E-04	6.42E-05	5.58E-03	5.58E-05	3.78E-05	5.74E-03	6.11E-05	1.05E-08	7.44E-07	1.03E-06	6.29E-05
997	490536.72	3861185.12	1.36E-04	1.26E-08	7.48E-07	1.03E-06	1.37E-04	6.44E-05	5.56E-03	5.61E-05	3.78E-05	5.72E-03	6.13E-05	1.04E-08	7.48E-07	1.03E-06	6.31E-05
998	490586.72	3861185.12	1.36E-04	1.25E-08	7.48E-07	1.03E-06	1.38E-04	6.45E-05	5.52E-03	5.61E-05	3.77E-05	5.68E-03	6.14E-05	1.04E-08	7.48E-07	1.03E-06	6.32E-05
999	490636.72	3861185.12	1.36E-04	1.24E-08	7.47E-07	1.02E-06	1.38E-04	6.46E-05	5.48E-03	5.60E-05	3.75E-05	5.64E-03	6.15E-05	1.03E-08	7.47E-07	1.02E-06	6.33E-05
1000	490686.72	3861185.12	1.36E-04	1.24E-08	7.46E-07	1.02E-06	1.38E-04	6.48E-05	5.44E-03	5.59E-05	3.74E-05	5.60E-03	6.17E-05	1.02E-08	7.46E-07	1.02E-06	6.35E-05
1001	490736.72	3861185.12	1.37E-04	1.23E-08	7.45E-07	1.02E-06	1.39E-04	6.52E-05	5.41E-03	5.59E-05	3.73E-05	5.57E-03	6.20E-05	1.01E-08	7.45E-07	1.02E-06	6.38E-05
1002	490786.72	3861185.12	1.38E-04	1.22E-08	7.45E-07	1.02E-06	1.40E-04	6.55E-05	5.37E-03	5.59E-05	3.72E-05	5.53E-03	6.24E-05	1.01E-08	7.45E-07	1.02E-06	6.41E-05
1003	490836.72	3861185.12	1.39E-04	1.21E-08	7.44E-07	1.01E-06	1.40E-04	6.59E-05	5.34E-03	5.58E-05	3.71E-05	5.49E-03	6.27E-05	1.00E-08	7.44E-07	1.01E-06	6.44E-05
1004	490086.72	3861235.12	1.32E-04	1.22E-08	6.45E-07	9.83E-07	1.33E-04	6.27E-05	5.39E-03	4.83E-05	3.60E-05	5.54E-03	5.96E-05	1.01E-08	6.45E-07	9.83E-07	6.13E-05
1005	490136.72	3861235.12	1.32E-04	1.22E-08	6.63E-07	9.80E-07	1.34E-04	6.27E-05	5.37E-03	4.97E-05	3.59E-05	5.52E-03	5.97E-05	1.01E-08	6.63E-07	9.80E-07	6.13E-05
1006	490186.72	3861235.12	1.32E-04	1.22E-08	6.79E-07	9.78E-07	1.34E-04	6.28E-05	5.36E-03	5.09E-05	3.59E-05	5.51E-03	5.97E-05	1.01E-08	6.79E-07	9.78E-07	6.14E-05
1007	490236.72	3861235.12	1.32E-04	1.21E-08	6.92E-07	9.76E-07	1.34E-04	6.27E-05	5.34E-03	5.19E-05	3.58E-05	5.49E-03	5.97E-05	1.00E-08	6.92E-07	9.76E-07	6.14E-05
1008	490386.72	3861235.12	1.32E-04	1.20E-08	7.21E-07	9.73E-07	1.34E-04	6.27E-05	5.29E-03	5.41E-05	3.57E-05	5.44E-03	5.97E-05	9.92E-09	7.21E-07	9.73E-07	6.14E-05
1009	490436.72	3861235.12	1.32E-04	1.20E-08	7.27E-07	9.72E-07	1.34E-04	6.28E-05	5.27E-03	5.45E-05	3.56E-05	5.42E-03	5.97E-05	9.88E-09	7.27E-07	9.72E-07	6.14E-05
1010	490486.72	3861235.12	1.32E-04	1.19E-08	7.31E-07	9.72E-07	1.34E-04	6.28E-05	5.25E-03	5.49E-05	3.56E-05	5.40E-03	5.98E-05	9.85E-09	7.31E-07	9.72E-07	6.15E-05
1011	490536.72	3861235.12	1.33E-04	1.19E-08	7.37E-07	9.74E-07	1.34E-04	6.31E-05	5.25E-03	5.52E-05	3.57E-05	5.40E-03	6.00E-05	9.84E-09	7.37E-07	9.74E-07	6.18E-05
1012	490586.72	3861235.12	1.33E-04	1.19E-08	7.39E-07	9.75E-07	1.35E-04	6.33E-05	5.23E-03	5.54E-05	3.57E-05	5.39E-03	6.03E-05	9.81E-09	7.39E-07	9.75E-07	6.20E-05
1013	490636.72	3861235.12	1.33E-04	1.18E-08	7.37E-07	9.70E-07	1.35E-04	6.33E-05	5.19E-03	5.52E-05	3.56E-05	5.34E-03	6.02E-05	9.72E-09	7.37E-07	9.70E-07	6.19E-05
1014	490686.72	3861235.12	1.33E-04	1.17E-08	7.37E-07	9.68E-07	1.35E-04	6.35E-05	5.16E-03	5.52E-05	3.55E-05	5.31E-03	6.04E-05	9.67E-09	7.37E-07	9.68E-07	6.21E-05
1015	490736.72	3861235.12	1.34E-04	1.17E-08	7.37E-07	9.67E-07	1.36E-04	6.38E-05	5.13E-03	5.52E-05	3.55E-05	5.29E-03	6.07E-05	9.63E-09	7.37E-07	9.67E-07	6.24E-05
1016	490786.72	3861235.12	1.35E-04	1.16E-08	7.37E-07	9.66E-07	1.37E-04	6.41E-05	5.11E-03	5.52E-05	3.54E-05	5.26E-03	6.10E-05	9.58E-09	7.37E-07	9.66E-07	6.27E-05
1017	490836.72	3861235.12	1.35E-04	1.15E-08	7.36E-07	9.64E-07	1.37E-04	6.44E-05	5.08E-03	5.52E-05	3.53E-05	5.23E-03	6.13E-05	9.52E-09	7.36E-07	9.64E-07	6.30E-05
1018	490086.72	3861285.12	1.30E-04	1.15E-08	6.26E-07	9.32E-07	1.31E-04	6.16E-05	5.08E-03	4.69E-05	3.42E-05	5.22E-03	5.86E-05	9.52E-09	6.26E-07	9.32E-07	6.02E-05
1019	490136.72	3861285.12	1.30E-04	1.15E-08	6.45E-07	9.32E-07	1.31E-04	6.18E-05	5.07E-03	4.83E-05	3.42E-05	5.21E-03	5.88E-05	9.51E-09	6.45E-07	9.32E-07	6.04E-05
1020	490186.72	3861285.12	1.30E-04	1.15E-08	6.61E-07	9.28E-07	1.31E-04	6.17E-05	5.05E-03	4.96E-05	3.40E-05	5.19E-03	5.87E-05	9.46E-09	6.61E-07	9.28E-07	6.03E-05
1021	490236.72	3861285.12	1.30E-04	1.14E-08	6.75E-07	9.27E-07	1.31E-04	6.17E-05	5.03E-03	5.06E-05	3.40E-05	5.18E-03	5.87E-05	9.43E-09	6.75E-07	9.27E-07	6.03E-05
1022	490386.72	3861285.12	1.30E-04	1.13E-08	7.08E-07	9.23E-07	1.31E-04	6.16E-05	4.99E-03	5.31E-05	3.38E-05	5.14E-03	5.87E-05	9.35E-09	7.08E-07	9.23E-07	6.03E-05
1023	490436.72	3861285.12	1.30E-04	1.13E-08	7.15E-07	9.23E-07	1.31E-04	6.17E-05	4.98E-03	5.36E-05	3.38E-05	5.13E-03	5.87E-05	9.33E-09	7.15E-07	9.23E-07	6.03E-05
1024	490486.72	3861285.12	1.30E-04	1.13E-08	7.19E-07	9.22E-07	1.31E-04	6.17E-05	4.96E-03	5.40E-05	3.38E-05	5.11E-03	5.87E-05	9.30E-09	7.19E-07	9.22E-07	6.03E-05
1025	490536.72	3861285.12	1.30E-04	1.12E-08	7.24E-07	9.22E-07	1.32E-04	6.18E-05	4.95E-03	5.43E-05	3.38E-05	5.10E-03	5.88E-05	9.28E-09	7.24E-07	9.22E-07	6.04E-05
1026	490586.72	3861285.12	1.30E-04	1.12E-08	7.26E-07	9.22E-07	1.32E-04	6.19E-05	4.93E-03	5.45E-05	3.38E-05	5.08E-03	5.89E-05	9.25E-09	7.26E-07	9.22E-07	6.06E-05
1027	490636.72	3861285.12	1.30E-04	1.11E-08	7.26E-07	9.21E-07	1.32E-04	6.19E-05	4.91E-03	5.45E-05	3.38E-05	5.06E-03	5.89E-05	9.20E-09	7.26E-07	9.21E-07	6.06E-05
1028	490686.72	3861285.12	1.31E-04	1.11E-08	7.27E-07	9.20E-07	1.32E-04	6.21E-05	4.89E-03	5.45E-05	3.37E-05	5.04E-03	5.91E-05	9.16E-09	7.27E-07	9.20E-07	6.07E-05
1029	490736.72	3861285.12	1.31E-04	1.11E-08	7.28E-07	9.21E-07	1.33E-04	6.24E-05	4.88E-03	5.46E-05	3.38E-05	5.03E-03	5.94E-05	9.15E-09	7.28E-07	9.21E-07	6.11E-05
1030	490786.72	3861285.12	1.32E-04	1.10E-08	7.28E-07	9.20E-07	1.33E-04	6.27E-05	4.85E-03	5.46E-05	3.37E-05	5.00E-03	5.96E-05	9.10E-09	7.28E-07	9.20E-07	6.13E-05
1031	490836.72	3861285.12	1.32E-04	1.10E-08	7.26E-07	9.17E-07	1.34E-04	6.29E-05	4.82E-03	5.45E-05	3.36E-05	4.97E-03	5.99E-05	9.05E-09	7.26E-07	9.17E-07	6.15E-05
1032	490061.24	3859716.13	2.57E-04	4.09E-08	1.44E-06	7.21E-06	2.65E-04	1.22E-04	1.80E-02	1.08E-04	2.64E-04	1.85E-02	1.16E-04	3.37E-08	1.44E-06	7.21E-06	1.25E-04
1033	490111.24	3859716.13	2.55E-04	4.00E-08	1.45E-06	6.96E-06	2.63E-04	1.21E-04	1.76E-02	1.09E-04	2.55E-04	1.81E-02	1.15E-04	3.30E-08	1.45E-06	6.96E-06	1.24E-04

1034	490161.24	3859716.13	2.52E-04	3.92E-08	1.46E-06	6.73E-06	2.61E-04	1.20E-04	1.72E-02	1.10E-04	2.47E-04	1.77E-02	1.14E-04	3.23E-08	1.46E-06	6.73E-06	1.22E-04
1035	490211.24	3859716.13	2.50E-04	3.84E-08	1.47E-06	6.52E-06	2.58E-04	1.19E-04	1.69E-02	1.10E-04	2.39E-04	1.74E-02	1.13E-04	3.17E-08	1.47E-06	6.52E-06	1.21E-04
1036	490061.24	3859766.13	2.53E-04	4.07E-08	1.38E-06	7.03E-06	2.61E-04	1.20E-04	1.79E-02	1.04E-04	2.58E-04	1.84E-02	1.14E-04	3.36E-08	1.38E-06	7.03E-06	1.23E-04
1037	490111.24	3859766.13	2.51E-04	3.99E-08	1.40E-06	6.79E-06	2.59E-04	1.19E-04	1.76E-02	1.05E-04	2.49E-04	1.80E-02	1.13E-04	3.30E-08	1.40E-06	6.79E-06	1.22E-04
1038	490161.24	3859766.13	2.48E-04	3.92E-08	1.41E-06	6.57E-06	2.56E-04	1.18E-04	1.72E-02	1.06E-04	2.41E-04	1.77E-02	1.12E-04	3.23E-08	1.41E-06	6.57E-06	1.20E-04
1039	490211.24	3859766.13	2.46E-04	3.83E-08	1.42E-06	6.35E-06	2.54E-04	1.17E-04	1.69E-02	1.07E-04	2.33E-04	1.73E-02	1.11E-04	3.17E-08	1.42E-06	6.35E-06	1.19E-04
1040	490061.24	3859816.13	2.49E-04	4.07E-08	1.33E-06	6.84E-06	2.57E-04	1.18E-04	1.79E-02	9.98E-05	2.51E-04	1.84E-02	1.12E-04	3.36E-08	1.33E-06	6.84E-06	1.21E-04
1041	490111.24	3859816.13	2.47E-04	3.99E-08	1.35E-06	6.60E-06	2.55E-04	1.17E-04	1.76E-02	1.01E-04	2.42E-04	1.80E-02	1.12E-04	3.30E-08	1.35E-06	6.60E-06	1.20E-04
1042	490161.24	3859816.13	2.45E-04	3.91E-08	1.36E-06	6.38E-06	2.52E-04	1.16E-04	1.72E-02	1.02E-04	2.34E-04	1.77E-02	1.11E-04	3.23E-08	1.36E-06	6.38E-06	1.18E-04
1043	490211.24	3859816.13	2.43E-04	3.83E-08	1.37E-06	6.18E-06	2.50E-04	1.15E-04	1.69E-02	1.03E-04	2.27E-04	1.73E-02	1.10E-04	3.16E-08	1.37E-06	6.18E-06	1.17E-04
1044	490061.24	3859866.13	2.44E-04	4.08E-08	1.28E-06	6.63E-06	2.52E-04	1.16E-04	1.80E-02	9.59E-05	2.43E-04	1.84E-02	1.11E-04	3.37E-08	1.28E-06	6.63E-06	1.18E-04
1045	490111.24	3859866.13	2.43E-04	3.99E-08	1.30E-06	6.41E-06	2.50E-04	1.15E-04	1.76E-02	9.72E-05	2.35E-04	1.80E-02	1.10E-04	3.30E-08	1.30E-06	6.41E-06	1.18E-04
1046	490161.24	3859866.13	2.41E-04	3.91E-08	1.31E-06	6.19E-06	2.49E-04	1.15E-04	1.72E-02	9.84E-05	2.27E-04	1.76E-02	1.09E-04	3.23E-08	1.31E-06	6.19E-06	1.17E-04
1047	490211.24	3859866.13	2.39E-04	3.82E-08	1.33E-06	5.99E-06	2.46E-04	1.14E-04	1.68E-02	9.94E-05	2.20E-04	1.73E-02	1.08E-04	3.16E-08	1.33E-06	5.99E-06	1.16E-04
1048	490061.24	3859916.13	2.40E-04	4.08E-08	1.23E-06	6.42E-06	2.47E-04	1.14E-04	1.80E-02	9.21E-05	2.36E-04	1.84E-02	1.08E-04	3.37E-08	1.23E-06	6.42E-06	1.16E-04
1049	490111.24	3859916.13	2.39E-04	3.99E-08	1.25E-06	6.20E-06	2.46E-04	1.13E-04	1.76E-02	9.36E-05	2.27E-04	1.80E-02	1.08E-04	3.30E-08	1.25E-06	6.20E-06	1.15E-04
1050	490161.24	3859916.13	2.37E-04	3.90E-08	1.26E-06	5.99E-06	2.44E-04	1.13E-04	1.72E-02	9.48E-05	2.20E-04	1.76E-02	1.07E-04	3.22E-08	1.26E-06	5.99E-06	1.15E-04
1051	490211.24	3859916.13	2.35E-04	3.82E-08	1.28E-06	5.80E-06	2.43E-04	1.12E-04	1.68E-02	9.59E-05	2.13E-04	1.72E-02	1.06E-04	3.15E-08	1.28E-06	5.80E-06	1.14E-04
1052	490229.25	3859815.26	2.42E-04	3.80E-08	1.38E-06	6.11E-06	2.50E-04	1.15E-04	1.67E-02	1.03E-04	2.24E-04	1.72E-02	1.09E-04	3.14E-08	1.38E-06	6.11E-06	1.17E-04
1053	490279.25	3859815.26	2.40E-04	3.72E-08	1.38E-06	5.92E-06	2.47E-04	1.14E-04	1.64E-02	1.04E-04	2.17E-04	1.68E-02	1.09E-04	3.07E-08	1.38E-06	5.92E-06	1.16E-04
1054	490329.25	3859815.26	2.38E-04	3.64E-08	1.39E-06	5.75E-06	2.45E-04	1.13E-04	1.60E-02	1.04E-04	2.11E-04	1.65E-02	1.08E-04	3.01E-08	1.39E-06	5.75E-06	1.15E-04
1055	490379.25	3859815.26	2.36E-04	3.57E-08	1.40E-06	5.58E-06	2.43E-04	1.12E-04	1.57E-02	1.05E-04	2.05E-04	1.61E-02	1.07E-04	2.95E-08	1.40E-06	5.58E-06	1.14E-04
1056	490429.25	3859815.26	2.35E-04	3.49E-08	1.41E-06	5.41E-06	2.42E-04	1.12E-04	1.54E-02	1.06E-04	1.99E-04	1.58E-02	1.06E-04	2.88E-08	1.41E-06	5.41E-06	1.13E-04
1057	490229.25	3859865.26	2.38E-04	3.79E-08	1.33E-06	5.93E-06	2.46E-04	1.13E-04	1.67E-02	9.98E-05	2.17E-04	1.71E-02	1.08E-04	3.13E-08	1.33E-06	5.93E-06	1.15E-04
1058	490279.25	3859865.26	2.36E-04	3.71E-08	1.34E-06	5.75E-06	2.44E-04	1.12E-04	1.64E-02	1.00E-04	2.11E-04	1.68E-02	1.07E-04	3.07E-08	1.34E-06	5.75E-06	1.14E-04
1059	490329.25	3859865.26	2.34E-04	3.64E-08	1.35E-06	5.58E-06	2.41E-04	1.11E-04	1.60E-02	1.01E-04	2.05E-04	1.64E-02	1.06E-04	3.00E-08	1.35E-06	5.58E-06	1.13E-04
1060	490379.25	3859865.26	2.32E-04	3.56E-08	1.35E-06	5.42E-06	2.39E-04	1.11E-04	1.57E-02	1.01E-04	1.99E-04	1.61E-02	1.05E-04	2.94E-08	1.35E-06	5.42E-06	1.12E-04
1061	490429.25	3859865.26	2.31E-04	3.48E-08	1.36E-06	5.27E-06	2.38E-04	1.10E-04	1.53E-02	1.02E-04	1.93E-04	1.57E-02	1.04E-04	2.88E-08	1.36E-06	5.27E-06	1.11E-04
1062	490229.25	3859915.26	2.35E-04	3.79E-08	1.29E-06	5.74E-06	2.42E-04	1.12E-04	1.67E-02	9.64E-05	2.10E-04	1.71E-02	1.06E-04	3.13E-08	1.29E-06	5.74E-06	1.13E-04
1063	490279.25	3859915.26	2.33E-04	3.71E-08	1.30E-06	5.57E-06	2.40E-04	1.11E-04	1.63E-02	9.71E-05	2.04E-04	1.67E-02	1.05E-04	3.06E-08	1.30E-06	5.57E-06	1.12E-04
1064	490329.25	3859915.26	2.31E-04	3.63E-08	1.30E-06	5.41E-06	2.38E-04	1.10E-04	1.60E-02	9.78E-05	1.98E-04	1.64E-02	1.04E-04	3.00E-08	1.30E-06	5.41E-06	1.11E-04
1065	490379.25	3859915.26	2.29E-04	3.55E-08	1.31E-06	5.25E-06	2.36E-04	1.09E-04	1.56E-02	9.83E-05	1.93E-04	1.60E-02	1.04E-04	2.93E-08	1.31E-06	5.25E-06	1.10E-04
1066	490429.25	3859915.26	2.27E-04	3.47E-08	1.32E-06	5.11E-06	2.34E-04	1.08E-04	1.53E-02	9.87E-05	1.87E-04	1.57E-02	1.03E-04	2.87E-08	1.32E-06	5.11E-06	1.09E-04
1067	490451.43	3859872.59	2.30E-04	3.45E-08	1.35E-06	5.18E-06	2.36E-04	1.09E-04	1.52E-02	1.02E-04	1.90E-04	1.56E-02	1.04E-04	2.85E-08	1.35E-06	5.18E-06	1.10E-04
1068	490501.43	3859872.59	2.28E-04	3.38E-08	1.36E-06	5.03E-06	2.35E-04	1.09E-04	1.49E-02	1.02E-04	1.85E-04	1.53E-02	1.03E-04	2.79E-08	1.36E-06	5.03E-06	1.10E-04
1069	490551.43	3859872.59	2.28E-04	3.30E-08	1.38E-06	4.89E-06	2.34E-04	1.08E-04	1.45E-02	1.03E-04	1.79E-04	1.49E-02	1.03E-04	2.73E-08	1.38E-06	4.89E-06	1.09E-04
1070	490601.43	3859872.59	2.27E-04	3.22E-08	1.39E-06	4.75E-06	2.33E-04	1.08E-04	1.42E-02	1.04E-04	1.74E-04	1.46E-02	1.03E-04	2.66E-08	1.39E-06	4.75E-06	1.09E-04
1071	490451.43	3859922.59	2.26E-04	3.44E-08	1.31E-06	5.02E-06	2.32E-04	1.07E-04	1.51E-02	9.84E-05	1.84E-04	1.55E-02	1.02E-04	2.84E-08	1.31E-06	5.02E-06	1.09E-04
1072	490501.43	3859922.59	2.24E-04	3.36E-08	1.32E-06	4.89E-06	2.31E-04	1.07E-04	1.48E-02	9.88E-05	1.79E-04	1.52E-02	1.02E-04	2.78E-08	1.32E-06	4.89E-06	1.08E-04
1073	490551.43	3859922.59	2.23E-04	3.29E-08	1.33E-06	4.75E-06	2.30E-04	1.06E-04	1.45E-02	9.96E-05	1.74E-04	1.49E-02	1.01E-04	2.72E-08	1.33E-06	4.75E-06	1.07E-04
1074	490601.43	3859922.59	2.23E-04	3.22E-08	1.34E-06	4.61E-06	2.29E-04	1.06E-04	1.42E-02	1.00E-04	1.69E-04	1.46E-02	1.01E-04	2.66E-08	1.34E-06	4.61E-06	1.07E-04
1075	482129.67	3852241.07	1.44E-04	1.04E-09	2.37E-07	4.23E-07	1.44E-04	6.83E-05	4.57E-04	1.78E-05	1.55E-05	5.58E-04	6.50E-05	8.57E-10	2.37E-07	4.23E-07	6.57E-05
1076	482029.67	3852291.07	1.44E-04	1.09E-09	2.39E-07	4.18E-07	1.45E-04	6.85E-05	4.78E-04	1.79E-05	1.53E-05	5.80E-04	6.52E-05	8.97E-10	2.39E-07	4.18E-07	6.58E-05
1077	482079.67	3852291.07	1.46E-04	1.08E-09	2.39E-07	4.22E-07	1.46E-04	6.92E-05	4.75E-04	1.79E-05	1.55E-05	5.77E-04	6.58E-05	8.90E-10	2.39E-07	4.22E-07	6.65E-05
1078	482129.67	3852291.07	1.46E-04	1.07E-09	2.39E-07	4.26E-07	1.47E-04	6.96E-05	4.70E-04	1.79E-05	1.56E-05	5.73E-04	6.63E-05	8.81E-10	2.39E-07	4.26E-07	6.69E-05
1079	482179.67	3852291.07	1.47E-04	1.05E-09	2.39E-07	4.31E-07	1.48E-04	6.98E-05	4.62E-04	1.79E-05	1.58E-05	5.66E-04	6.64E-05	8.67E-10	2.39E-07	4.31E-07	6.71E-05
1080	482229.67	3852291.07	1.47E-04	1.02E-09	2.40E-07	4.36E-07	1.47E-04	6.97E-05	4.51E-04	1.80E-05	1.60E-05	5.55E-04	6.64E-05	8.47E-10	2.40E-07	4.36E-07	6.70E-05
1081	482029.67	3852341.07	1.45E-04	1.12E-09	2.41E-07	4.22E-07	1.45E-04	6.88E-05	4.93E-04	1.81E-05	1.55E-05	5.95E-04	6.55E-05	9.25E-10	2.41E-07	4.22E-07	6.62E-05
1082	482079.67	3852341.07	1.47E-04	1.11E-09	2.41E-07	4.25E-07	1.48E-04	6.99E-05	4.89E-04	1.81E-05	1.56E-05	5.92E-04	6.65E-05	9.16E-10	2.41E-07	4.25E-07	6.72E-05
1083	482129.67	3852341.07	1.49E-04	1.10E-09	2.41E-07	4.30E-07	1.49E-04	7.07E-05	4.84E-04	1.81E-05	1.58E-05	5.89E-04	6.72E-05	9.09E-10	2.41E-07	4.30E-07	6.79E-05
1084	482179.67	3852341.07	1.50E-04	1.09E-09	2.41E-07	4.35E-07	1.50E-04	7.11E-05	4.78E-04	1.81E-05	1.59E-05	5.83E-04	6.77E-05	8.97E-10	2.41E-07	4.35E-07	6.84E-05
1085	482259.06	3852400.14	1.53E-04	1.13E-09	2.44E-07	4.46E-07	1.54E-04	7.27E-05	4.98E-04	1.83E-05	1.64E-05	6.05E-04	6.91E-05	9.34E-10	2.44E-07	4.46E-07	6.98E-05
1086	482309.06	3852400.14	1.54E-04	1.10E-09	2.44E-07	4.51E-07	1.54E-04	7.30E-05	4.83E-04	1.83E-05	1.65E-05	5.91E-04	6.95E-05	9.06E-10	2.44E-07	4.51E-07	7.02E-05
1087	482209.06	3852450.14	1.54E-04	1.17E-09	2.46E-07	4.46E-07	1.55E-04	7.33E-05	5.16E-04	1.84E-05	1.64E-05	6.24E-04	6.97E-05	9.68E-10	2.46E-07	4.46E-07	7.04E-05
1088	482259.06	3852450.14	1.56E-04	1.16E-09	2.46E-07	4.50E-07	1.56E-04	7.40E-05	5.12E-04	1.84E-05	1.65E-05	6.21E-04	7.04E-05	9.60E-10	2.46E-07	4.50E-07	7.11E-05
1089	482309.06	3852450.14	1.57E-04	1.14E-09	2.46E-07	4.56E-07	1.57E-04	7.45E-05	5.01E-04	1.84E-05	1.67E-05	6.10E-04	7.09E-05	9.39E-10	2.46E-07	4.56E-07	7.16E-05
1090	482209.06	3852500.14	1.55E-04	1.20E-09	2.48E-07	4.50E-07	1.56E-04	7.39E-05	5.30E-04	1.86E-05	1.65E-05	6.39E-04	7.03E-05	9.93E-10	2.48E-07	4.50E-07	7.10E-05
1091	482259.06	3852500.14	1.58E-04	1.19E-09	2.47E-07	4.56E-07	1.58E-04	7.50E-05	5.25E-04	1.86E-05	1.67E-05	6.35E-04	7.14E-05	9.84E-10	2.47E-07	4.56E-07	7.21E-05
1092	482309.06	3852500.14	1.59E-04	1.18E-09	2.47E-07	4.61E-07	1.60E-04	7.58E-05	5.18E-04	1.86E-05	1.69E-05	6.29E-04	7.21E-05	9.71E-10	2.47E-07	4.61E-07	7.28E-05
1093	482283.91	3852513.62	1.59E-04	1.20E-09	2.48E-07	4.59E-07	1.60E-04	7.57E-05	5.26E-04	1.86E-05	1.68E-05	6.37E-04	7.20E-05	9.87E-10	2.48E-07	4.59E-07	7.27E-05
1094	482333.91	3852513.62	1.61E-04	1.18E-09	2.48E-07	4.64E-07	1.61E-04	7.64E-05	5.20E-04	1.86E-05	1.70E-05	6.32E-04	7.27E-05	9.75E-10	2.48E-07	4.64E-07	7.34E-05

1095	482283.91	3852563.62	1.60E-04	1.23E-09	2.51E-07	4.64E-07	1.61E-04	7.63E-05	5.43E-04	1.88E-05	1.70E-05	6.55E-04	7.26E-05	1.02E-09	2.51E-07	4.64E-07	7.33E-05
1096	482333.91	3852563.62	1.63E-04	1.22E-09	2.51E-07	4.69E-07	1.63E-04	7.73E-05	5.39E-04	1.88E-05	1.72E-05	6.53E-04	7.35E-05	1.01E-09	2.51E-07	4.69E-07	7.43E-05
1097	482383.91	3852563.62	1.64E-04	1.22E-09	2.51E-07	4.74E-07	1.65E-04	7.79E-05	5.36E-04	1.88E-05	1.74E-05	6.50E-04	7.41E-05	1.00E-09	2.51E-07	4.74E-07	7.48E-05
1098	482283.91	3852613.62	1.62E-04	1.26E-09	2.53E-07	4.69E-07	1.62E-04	7.69E-05	5.54E-04	1.89E-05	1.72E-05	6.67E-04	7.32E-05	1.04E-09	2.53E-07	4.69E-07	7.39E-05
1099	482333.91	3852613.62	1.64E-04	1.26E-09	2.53E-07	4.74E-07	1.65E-04	7.81E-05	5.54E-04	1.89E-05	1.74E-05	6.69E-04	7.43E-05	1.04E-09	2.53E-07	4.74E-07	7.50E-05
1100	482383.91	3852613.62	1.66E-04	1.26E-09	2.53E-07	4.80E-07	1.67E-04	7.90E-05	5.53E-04	1.89E-05	1.76E-05	6.69E-04	7.51E-05	1.04E-09	2.53E-07	4.80E-07	7.59E-05
1101	482602.38	3852600.87	1.66E-04	1.15E-09	2.53E-07	4.92E-07	1.67E-04	7.89E-05	5.07E-04	1.90E-05	1.80E-05	6.23E-04	7.50E-05	9.51E-10	2.53E-07	4.92E-07	7.58E-05
1102	482652.38	3852600.87	1.64E-04	1.14E-09	2.54E-07	4.94E-07	1.65E-04	7.80E-05	5.01E-04	1.91E-05	1.81E-05	6.16E-04	7.42E-05	9.39E-10	2.54E-07	4.94E-07	7.50E-05
1103	482702.38	3852600.87	1.62E-04	1.09E-09	2.56E-07	4.97E-07	1.63E-04	7.70E-05	4.79E-04	1.92E-05	1.82E-05	5.93E-04	7.33E-05	8.98E-10	2.56E-07	4.97E-07	7.40E-05
1104	482552.38	3852650.87	1.72E-04	1.22E-09	2.54E-07	4.95E-07	1.72E-04	8.16E-05	5.38E-04	1.91E-05	1.82E-05	6.57E-04	7.76E-05	1.01E-09	2.54E-07	4.95E-07	7.84E-05
1105	482602.38	3852650.87	1.71E-04	1.20E-09	2.55E-07	4.98E-07	1.72E-04	8.13E-05	5.30E-04	1.91E-05	1.82E-05	6.48E-04	7.73E-05	9.93E-10	2.55E-07	4.98E-07	7.81E-05
1106	482652.38	3852650.87	1.69E-04	1.19E-09	2.56E-07	5.00E-07	1.70E-04	8.05E-05	5.24E-04	1.92E-05	1.83E-05	6.42E-04	7.66E-05	9.82E-10	2.56E-07	5.00E-07	7.74E-05
1107	482702.38	3852650.87	1.67E-04	1.17E-09	2.57E-07	5.02E-07	1.68E-04	7.96E-05	5.16E-04	1.93E-05	1.84E-05	6.34E-04	7.58E-05	9.68E-10	2.57E-07	5.02E-07	7.65E-05
1108	482552.38	3852700.87	1.76E-04	1.26E-09	2.56E-07	5.02E-07	1.76E-04	8.35E-05	5.57E-04	1.92E-05	1.84E-05	6.78E-04	7.95E-05	1.04E-09	2.56E-07	5.02E-07	8.02E-05
1109	482602.38	3852700.87	1.75E-04	1.25E-09	2.57E-07	5.05E-07	1.76E-04	8.34E-05	5.52E-04	1.93E-05	1.85E-05	6.73E-04	7.93E-05	1.04E-09	2.57E-07	5.05E-07	8.01E-05
1110	482652.38	3852700.87	1.74E-04	1.26E-09	2.58E-07	5.06E-07	1.75E-04	8.26E-05	5.55E-04	1.93E-05	1.86E-05	6.76E-04	7.86E-05	1.04E-09	2.58E-07	5.06E-07	7.94E-05
1111	482702.38	3852700.87	1.73E-04	1.24E-09	2.59E-07	5.08E-07	1.73E-04	8.21E-05	5.46E-04	1.94E-05	1.86E-05	6.66E-04	7.81E-05	1.02E-09	2.59E-07	5.08E-07	7.89E-05
1112	482452.38	3852750.87	1.75E-04	1.33E-09	2.59E-07	5.03E-07	1.75E-04	8.30E-05	5.87E-04	1.94E-05	1.84E-05	7.08E-04	7.90E-05	1.10E-09	2.59E-07	5.03E-07	7.98E-05
1113	482521.29	3852749.74	1.78E-04	1.32E-09	2.59E-07	5.07E-07	1.79E-04	8.46E-05	5.80E-04	1.94E-05	1.86E-05	7.03E-04	8.05E-05	1.09E-09	2.59E-07	5.07E-07	8.13E-05
1114	482571.29	3852749.74	1.79E-04	1.31E-09	2.59E-07	5.11E-07	1.80E-04	8.52E-05	5.75E-04	1.94E-05	1.87E-05	6.98E-04	8.10E-05	1.08E-09	2.59E-07	5.11E-07	8.18E-05
1115	482521.29	3852799.74	1.80E-04	1.36E-09	2.61E-07	5.15E-07	1.81E-04	8.55E-05	5.99E-04	1.96E-05	1.89E-05	7.23E-04	8.14E-05	1.12E-09	2.61E-07	5.15E-07	8.21E-05
1116	482571.29	3852799.74	1.82E-04	1.35E-09	2.61E-07	5.18E-07	1.83E-04	8.65E-05	5.95E-04	1.96E-05	1.90E-05	7.20E-04	8.23E-05	1.12E-09	2.61E-07	5.18E-07	8.31E-05
1117	482621.29	3852799.74	1.83E-04	1.34E-09	2.61E-07	5.20E-07	1.84E-04	8.71E-05	5.90E-04	1.96E-05	1.91E-05	7.15E-04	8.29E-05	1.11E-09	2.61E-07	5.20E-07	8.37E-05
1118	482571.29	3852849.74	1.85E-04	1.39E-09	2.64E-07	5.26E-07	1.85E-04	8.77E-05	6.11E-04	1.98E-05	1.93E-05	7.38E-04	8.35E-05	1.15E-09	2.64E-07	5.26E-07	8.43E-05
1119	482621.29	3852849.74	1.87E-04	1.37E-09	2.63E-07	5.29E-07	1.88E-04	8.89E-05	6.04E-04	1.97E-05	1.94E-05	7.32E-04	8.46E-05	1.13E-09	2.63E-07	5.29E-07	8.54E-05
1120	482577.42	3852901.55	1.87E-04	1.42E-09	2.65E-07	5.36E-07	1.88E-04	8.89E-05	6.25E-04	1.99E-05	1.96E-05	7.53E-04	8.46E-05	1.17E-09	2.65E-07	5.36E-07	8.54E-05
1121	482627.42	3852901.55	1.90E-04	1.40E-09	2.65E-07	5.38E-07	1.91E-04	9.05E-05	6.17E-04	1.99E-05	1.97E-05	7.48E-04	8.61E-05	1.16E-09	2.65E-07	5.38E-07	8.69E-05
1122	482629.96	3852955.85	1.93E-04	1.44E-09	2.68E-07	5.49E-07	1.93E-04	9.15E-05	6.35E-04	2.01E-05	2.01E-05	7.67E-04	8.71E-05	1.19E-09	2.68E-07	5.49E-07	8.79E-05
1123	482679.96	3852955.85	1.96E-04	1.43E-09	2.68E-07	5.50E-07	1.97E-04	9.32E-05	6.28E-04	2.01E-05	2.02E-05	7.62E-04	8.87E-05	1.18E-09	2.68E-07	5.50E-07	8.95E-05
1124	482781.63	3853034.48	2.07E-04	1.45E-09	2.71E-07	5.68E-07	2.07E-04	9.82E-05	6.38E-04	2.03E-05	2.08E-05	7.77E-04	9.35E-05	1.20E-09	2.71E-07	5.68E-07	9.43E-05
1125	482831.63	3853034.48	2.09E-04	1.43E-09	2.70E-07	5.68E-07	2.09E-04	9.92E-05	6.28E-04	2.03E-05	2.08E-05	7.68E-04	9.44E-05	1.18E-09	2.70E-07	5.68E-07	9.52E-05
1126	482881.63	3853034.48	2.09E-04	1.40E-09	2.71E-07	5.67E-07	2.10E-04	9.95E-05	6.19E-04	2.03E-05	2.08E-05	7.59E-04	9.47E-05	1.16E-09	2.71E-07	5.67E-07	9.55E-05
1127	482781.63	3853084.48	2.09E-04	1.49E-09	2.74E-07	5.80E-07	2.10E-04	9.96E-05	6.57E-04	2.05E-05	2.12E-05	7.99E-04	9.48E-05	1.23E-09	2.74E-07	5.80E-07	9.56E-05
1128	482831.63	3853084.48	2.13E-04	1.47E-09	2.73E-07	5.80E-07	2.14E-04	1.01E-04	6.47E-04	2.05E-05	2.12E-05	7.90E-04	9.63E-05	1.21E-09	2.73E-07	5.80E-07	9.71E-05
1129	482881.63	3853084.48	2.15E-04	1.45E-09	2.73E-07	5.78E-07	2.15E-04	1.02E-04	6.38E-04	2.05E-05	2.12E-05	7.82E-04	9.71E-05	1.20E-09	2.73E-07	5.78E-07	9.79E-05
1130	482781.63	3853134.48	2.11E-04	1.54E-09	2.76E-07	5.91E-07	2.12E-04	1.00E-04	6.79E-04	2.07E-05	2.17E-05	8.22E-04	9.54E-05	1.27E-09	2.76E-07	5.91E-07	9.63E-05
1131	482831.63	3853134.48	2.16E-04	1.52E-09	2.76E-07	5.91E-07	2.16E-04	1.02E-04	6.70E-04	2.07E-05	2.17E-05	8.15E-04	9.75E-05	1.26E-09	2.76E-07	5.91E-07	9.84E-05
1132	482881.63	3853134.48	2.19E-04	1.50E-09	2.76E-07	5.90E-07	2.20E-04	1.04E-04	6.62E-04	2.07E-05	2.16E-05	8.09E-04	9.89E-05	1.24E-09	2.76E-07	5.90E-07	9.98E-05
1133	482831.63	3853184.48	2.17E-04	1.57E-09	2.79E-07	6.03E-07	2.18E-04	1.03E-04	6.93E-04	2.09E-05	2.21E-05	8.39E-04	9.82E-05	1.30E-09	2.79E-07	6.03E-07	9.91E-05
1134	482881.63	3853184.48	2.22E-04	1.56E-09	2.79E-07	6.02E-07	2.22E-04	1.05E-04	6.86E-04	2.09E-05	2.21E-05	8.34E-04	1.00E-04	1.29E-09	2.79E-07	6.02E-07	1.01E-04
1135	484154.84	3854250.98	4.39E-04	1.49E-09	3.50E-07	1.76E-06	4.41E-04	2.09E-04	6.56E-04	2.63E-05	6.45E-05	9.55E-04	1.99E-04	1.23E-09	3.50E-07	1.76E-06	2.01E-04
1136	484204.84	3854250.98	4.23E-04	1.49E-09	3.54E-07	1.78E-06	4.25E-04	2.01E-04	6.54E-04	2.65E-05	6.51E-05	9.47E-04	1.91E-04	1.23E-09	3.54E-07	1.78E-06	1.93E-04
1137	484154.84	3854300.98	4.48E-04	1.52E-09	3.52E-07	1.95E-06	4.50E-04	2.13E-04	6.70E-04	2.64E-05	7.17E-05	9.81E-04	2.03E-04	1.26E-09	3.52E-07	1.95E-06	2.05E-04
1138	484204.84	3854300.98	4.37E-04	1.54E-09	3.55E-07	1.97E-06	4.39E-04	2.08E-04	6.78E-04	2.66E-05	7.22E-05	9.84E-04	1.98E-04	1.27E-09	3.55E-07	1.97E-06	2.00E-04
1139	484074.19	3854519.8	5.17E-04	2.06E-09	3.66E-07	3.23E-06	5.21E-04	2.46E-04	9.07E-04	2.74E-05	1.18E-04	1.30E-03	2.34E-04	1.70E-09	3.66E-07	3.23E-06	2.38E-04
1140	484124.19	3854519.8	5.12E-04	2.04E-09	3.67E-07	3.17E-06	5.16E-04	2.43E-04	8.99E-04	2.75E-05	1.16E-04	1.29E-03	2.32E-04	1.69E-09	3.67E-07	3.17E-06	2.35E-04
1141	484074.19	3854569.8	5.29E-04	2.27E-09	3.69E-07	3.61E-06	5.33E-04	2.51E-04	1.00E-03	2.77E-05	1.32E-04	1.41E-03	2.39E-04	1.88E-09	3.69E-07	3.61E-06	2.43E-04
1142	484124.19	3854569.8	5.16E-04	2.24E-09	3.70E-07	3.51E-06	5.20E-04	2.45E-04	9.85E-04	2.77E-05	1.29E-04	1.39E-03	2.34E-04	1.85E-09	3.70E-07	3.51E-06	2.37E-04
1143	485205.11	3855188.89	7.77E-03	6.81E-09	4.67E-07	3.27E-06	7.78E-03	3.70E-03	3.00E-03	3.50E-05	1.20E-04	6.85E-03	3.52E-03	5.62E-09	4.67E-07	3.27E-06	3.52E-03
1144	485255.11	3855188.89	6.89E-03	6.59E-09	4.77E-07	3.29E-06	6.89E-03	3.27E-03	2.90E-03	3.58E-05	1.21E-04	6.33E-03	3.11E-03	5.44E-09	4.77E-07	3.29E-06	3.12E-03
1145	485205.11	3855238.89	9.34E-03	7.13E-09	4.69E-07	3.46E-06	9.34E-03	4.44E-03	3.14E-03	3.51E-05	1.27E-04	7.74E-03	4.22E-03	5.89E-09	4.69E-07	3.46E-06	4.23E-03
1146	485255.11	3855238.89	8.50E-03	7.02E-09	4.75E-07	3.50E-06	8.50E-03	4.04E-03	3.09E-03	3.57E-05	1.28E-04	7.30E-03	3.84E-03	5.80E-09	4.75E-07	3.50E-06	3.85E-03
1147	485205.11	3855288.89	1.25E-02	7.82E-09	4.70E-07	3.68E-06	1.25E-02	5.96E-03	3.45E-03	3.53E-05	1.35E-04	9.58E-03	5.67E-03	6.46E-09	4.70E-07	3.68E-06	5.68E-03
1148	485255.11	3855288.89	1.09E-02	7.68E-09	4.75E-07	3.73E-06	1.09E-02	5.20E-03	3.38E-03	3.57E-05	1.37E-04	8.75E-03	4.94E-03	6.34E-09	4.75E-07	3.73E-06	4.95E-03
1149	485255.11	3855338.89	1.41E-02	8.41E-09	4.78E-07	4.01E-06	1.41E-02	6.69E-03	3.70E-03	3.58E-05	1.47E-04	1.06E-02	6.36E-03	6.94E-09	4.78E-07	4.01E-06	6.37E-03
1150	485305.11	3855338.89	1.22E-02	8.15E-09	4.83E-07	4.05E-06	1.22E-02	5.79E-03	3.59E-03	3.62E-05	1.49E-04	9.56E-03	5.51E-03	6.73E-09	4.83E-07	4.05E-06	5.51E-03
1151	485852.5	3855635.28	1.07E-02	1.00E-08	5.98E-07	5.80E-06	1.07E-02	5.09E-03	4.42E-03	4.48E-05	2.12E-04	9.77E-03	4.85E-03	8.29E-09	5.98E-07	5.80E-06	4.85E-03
1152	485902.5	3855635.28	9.79E-03	9.76E-09	6.19E-07	5.74E-06	9.80E-03	4.66E-03	4.30E-03	4.64E-05	2.10E-04	9.21E-03	4.43E-03	8.06E-09	6.19E-07	5.74E-06	4.44E-03
1153	485852.5	3855685.28	1.19E-02	1.06E-08	5.93E-07	6.17E-06	1.20E-02	5.68E-03	4.68E-03	4.45E-05	2.26E-04	1.06E-02	5.41E-03	8.78E-09	5.93E-07	6.17E-06	5.41E-03
1154	485902.5	3855685.28	1.08E-02	1.03E-08	6.12E-07	6.10E-06	1.09E-02	5.16E-03	4.54E-03	4.59E-05	2.24E-04	9.97E-03	4.91E-03	8.52E-09	6.12E-07	6.10E-06	4.91E-03
1155	485852.5	3855735.28	1.34E-02	1.13E-08	5.90E-07	6.57E-06	1.34E-02	6.38E-03	4.96E-03	4.43E-05	2.41E-04	1.16E-02	6.07E-03	9.29E-09	5.90E-07	6.57E-06	6.08E-03

1156	485902.5	3855735.28	1.22E-02	1.10E-08	6.06E-07	6.48E-06	1.22E-02	5.80E-03	4.85E-03	4.55E-05	2.38E-04	1.09E-02	5.52E-03	9.09E-09	6.06E-07	6.48E-06	5.53E-03
1157	485852.5	3855785.28	1.54E-02	1.20E-08	5.90E-07	6.99E-06	1.54E-02	7.32E-03	5.30E-03	4.43E-05	2.56E-04	1.29E-02	6.97E-03	9.94E-09	5.90E-07	6.99E-06	6.98E-03
1158	485902.5	3855785.28	1.36E-02	1.16E-08	6.04E-07	6.87E-06	1.36E-02	6.48E-03	5.11E-03	4.53E-05	2.52E-04	1.19E-02	6.16E-03	9.59E-09	6.04E-07	6.87E-06	6.17E-03
1159	486809.46	3856465.28	1.21E-02	1.60E-08	1.00E-06	4.88E-06	1.21E-02	5.75E-03	7.06E-03	7.52E-05	1.79E-04	1.31E-02	5.48E-03	1.32E-08	1.00E-06	4.88E-06	5.48E-03
1160	486859.46	3856465.28	1.14E-02	1.59E-08	1.02E-06	4.74E-06	1.14E-02	5.42E-03	6.99E-03	7.64E-05	1.74E-04	1.27E-02	5.16E-03	1.31E-08	1.02E-06	4.74E-06	5.17E-03
1161	486909.46	3856465.28	1.08E-02	1.57E-08	1.04E-06	4.62E-06	1.08E-02	5.12E-03	6.91E-03	7.76E-05	1.69E-04	1.23E-02	4.87E-03	1.30E-08	1.04E-06	4.62E-06	4.87E-03
1162	486809.46	3856515.28	1.32E-02	1.67E-08	1.01E-06	4.73E-06	1.32E-02	6.29E-03	7.33E-03	7.61E-05	1.73E-04	1.39E-02	5.99E-03	1.38E-08	1.01E-06	4.73E-06	5.99E-03
1163	486859.46	3856515.28	1.24E-02	1.65E-08	1.03E-06	4.60E-06	1.24E-02	5.90E-03	7.28E-03	7.76E-05	1.69E-04	1.34E-02	5.62E-03	1.37E-08	1.03E-06	4.60E-06	5.62E-03
1164	486909.46	3856515.28	1.17E-02	1.64E-08	1.05E-06	4.48E-06	1.17E-02	5.55E-03	7.21E-03	7.89E-05	1.64E-04	1.30E-02	5.28E-03	1.35E-08	1.05E-06	4.48E-06	5.28E-03
1165	486980.94	3856357.95	8.68E-03	1.42E-08	1.05E-06	4.68E-06	8.69E-03	4.13E-03	6.27E-03	7.85E-05	1.72E-04	1.06E-02	3.93E-03	1.18E-08	1.05E-06	4.68E-06	3.93E-03
1166	487030.94	3856357.95	8.32E-03	1.41E-08	1.09E-06	4.57E-06	8.33E-03	3.96E-03	6.21E-03	8.15E-05	1.68E-04	1.04E-02	3.76E-03	1.17E-08	1.09E-06	4.57E-06	3.77E-03
1167	486980.94	3856407.95	9.27E-03	1.48E-08	1.05E-06	4.59E-06	9.27E-03	4.41E-03	6.54E-03	7.88E-05	1.68E-04	1.12E-02	4.19E-03	1.23E-08	1.05E-06	4.59E-06	4.20E-03
1168	487030.94	3856407.95	8.85E-03	1.47E-08	1.09E-06	4.48E-06	8.85E-03	4.21E-03	6.47E-03	8.16E-05	1.64E-04	1.09E-02	4.00E-03	1.21E-08	1.09E-06	4.48E-06	4.01E-03
1169	487447.18	3856437.45	6.62E-03	1.40E-08	1.47E-06	3.72E-06	6.62E-03	3.15E-03	6.14E-03	1.10E-04	1.36E-04	9.54E-03	2.99E-03	1.15E-08	1.47E-06	3.72E-06	3.00E-03
1170	487497.18	3856437.45	6.40E-03	1.38E-08	1.56E-06	3.65E-06	6.40E-03	3.04E-03	6.10E-03	1.17E-04	1.34E-04	9.39E-03	2.89E-03	1.14E-08	1.56E-06	3.65E-06	2.90E-03
1171	487547.18	3856437.45	6.19E-03	1.37E-08	1.65E-06	3.58E-06	6.20E-03	2.94E-03	6.06E-03	1.24E-04	1.31E-04	9.25E-03	2.80E-03	1.14E-08	1.65E-06	3.58E-06	2.81E-03
1172	487447.18	3856487.45	6.91E-03	1.44E-08	1.49E-06	3.62E-06	6.92E-03	3.29E-03	6.36E-03	1.12E-04	1.33E-04	9.89E-03	3.13E-03	1.19E-08	1.49E-06	3.62E-06	3.13E-03
1173	487497.18	3856487.45	6.67E-03	1.43E-08	1.57E-06	3.55E-06	6.67E-03	3.17E-03	6.31E-03	1.18E-04	1.30E-04	9.73E-03	3.02E-03	1.18E-08	1.57E-06	3.55E-06	3.02E-03
1174	487547.18	3856487.45	6.46E-03	1.42E-08	1.67E-06	3.49E-06	6.47E-03	3.07E-03	6.26E-03	1.25E-04	1.28E-04	9.59E-03	2.92E-03	1.17E-08	1.67E-06	3.49E-06	2.93E-03
1175	487447.18	3856537.45	7.24E-03	1.49E-08	1.51E-06	3.52E-06	7.25E-03	3.44E-03	6.58E-03	1.13E-04	1.29E-04	1.03E-02	3.28E-03	1.23E-08	1.51E-06	3.52E-06	3.28E-03
1176	487497.18	3856537.45	6.97E-03	1.48E-08	1.59E-06	3.46E-06	6.98E-03	3.31E-03	6.52E-03	1.19E-04	1.27E-04	1.01E-02	3.15E-03	1.22E-08	1.59E-06	3.46E-06	3.16E-03
1177	487547.18	3856537.45	6.72E-03	1.47E-08	1.68E-06	3.40E-06	6.72E-03	3.19E-03	6.48E-03	1.26E-04	1.25E-04	9.92E-03	3.04E-03	1.21E-08	1.68E-06	3.40E-06	3.04E-03
1178	489285.89	3858826.54	4.16E-04	4.99E-08	3.99E-06	6.71E-06	4.27E-04	1.98E-04	2.20E-02	2.99E-04	2.46E-04	2.27E-02	1.88E-04	4.12E-08	3.99E-06	6.71E-06	1.99E-04
1179	489335.89	3858826.54	4.14E-04	4.85E-08	4.12E-06	6.63E-06	4.25E-04	1.97E-04	2.14E-02	3.09E-04	2.43E-04	2.21E-02	1.87E-04	4.01E-08	4.12E-06	6.63E-06	1.98E-04
1180	489385.89	3858826.54	4.13E-04	4.71E-08	4.24E-06	6.55E-06	4.24E-04	1.96E-04	2.07E-02	3.18E-04	2.40E-04	2.15E-02	1.87E-04	3.89E-08	4.24E-06	6.55E-06	1.98E-04
1181	489435.89	3858826.54	4.13E-04	4.58E-08	4.34E-06	6.46E-06	4.23E-04	1.96E-04	2.02E-02	3.25E-04	2.37E-04	2.09E-02	1.87E-04	3.78E-08	4.34E-06	6.46E-06	1.97E-04
1182	489485.89	3858826.54	4.12E-04	4.46E-08	4.43E-06	6.38E-06	4.23E-04	1.96E-04	1.97E-02	3.32E-04	2.34E-04	2.04E-02	1.86E-04	3.69E-08	4.43E-06	6.38E-06	1.97E-04
1183	489535.89	3858826.54	4.12E-04	4.35E-08	4.51E-06	6.29E-06	4.23E-04	1.96E-04	1.92E-02	3.38E-04	2.31E-04	1.99E-02	1.87E-04	3.59E-08	4.51E-06	6.29E-06	1.97E-04
1184	489585.89	3858826.54	4.13E-04	4.24E-08	4.58E-06	6.21E-06	4.24E-04	1.96E-04	1.87E-02	3.44E-04	2.28E-04	1.94E-02	1.87E-04	3.50E-08	4.58E-06	6.21E-06	1.98E-04
1185	489635.89	3858826.54	4.14E-04	4.13E-08	4.64E-06	6.13E-06	4.25E-04	1.97E-04	1.82E-02	3.48E-04	2.25E-04	1.90E-02	1.87E-04	3.41E-08	4.64E-06	6.13E-06	1.98E-04
1186	489685.89	3858826.54	4.15E-04	4.03E-08	4.70E-06	6.05E-06	4.26E-04	1.97E-04	1.77E-02	3.52E-04	2.22E-04	1.85E-02	1.88E-04	3.33E-08	4.70E-06	6.05E-06	1.99E-04
1187	489735.89	3858826.54	4.17E-04	3.93E-08	4.74E-06	5.97E-06	4.28E-04	1.98E-04	1.73E-02	3.56E-04	2.19E-04	1.81E-02	1.89E-04	3.25E-08	4.74E-06	5.97E-06	1.99E-04
1188	489785.89	3858826.54	4.19E-04	3.84E-08	4.78E-06	5.89E-06	4.30E-04	1.99E-04	1.69E-02	3.59E-04	2.16E-04	1.77E-02	1.90E-04	3.17E-08	4.78E-06	5.89E-06	2.00E-04
1189	489835.89	3858826.54	4.21E-04	3.75E-08	4.82E-06	5.81E-06	4.32E-04	2.00E-04	1.65E-02	3.62E-04	2.13E-04	1.73E-02	1.91E-04	3.10E-08	4.82E-06	5.81E-06	2.01E-04
1190	489885.89	3858826.54	4.23E-04	3.67E-08	4.86E-06	5.73E-06	4.34E-04	2.01E-04	1.62E-02	3.64E-04	2.10E-04	1.69E-02	1.92E-04	3.03E-08	4.86E-06	5.73E-06	2.02E-04
1191	489935.89	3858826.54	4.26E-04	3.59E-08	4.89E-06	5.66E-06	4.36E-04	2.02E-04	1.58E-02	3.67E-04	2.07E-04	1.66E-02	1.93E-04	2.96E-08	4.89E-06	5.66E-06	2.03E-04
1192	489985.89	3858826.54	4.28E-04	3.51E-08	4.92E-06	5.58E-06	4.39E-04	2.04E-04	1.55E-02	3.69E-04	2.05E-04	1.62E-02	1.94E-04	2.90E-08	4.92E-06	5.58E-06	2.04E-04
1193	490035.89	3858826.54	4.31E-04	3.42E-08	4.94E-06	5.50E-06	4.42E-04	2.05E-04	1.51E-02	3.71E-04	2.02E-04	1.59E-02	1.95E-04	2.83E-08	4.94E-06	5.50E-06	2.06E-04
1194	489285.89	3858876.54	4.05E-04	5.36E-08	3.51E-06	7.11E-06	4.16E-04	1.92E-04	2.36E-02	2.63E-04	2.61E-04	2.43E-02	1.83E-04	4.43E-08	3.51E-06	7.11E-06	1.94E-04
1195	489335.89	3858876.54	4.03E-04	5.18E-08	3.62E-06	7.01E-06	4.13E-04	1.91E-04	2.28E-02	2.72E-04	2.57E-04	2.36E-02	1.82E-04	4.28E-08	3.62E-06	7.01E-06	1.93E-04
1196	489385.89	3858876.54	4.01E-04	5.02E-08	3.73E-06	6.91E-06	4.11E-04	1.91E-04	2.21E-02	2.80E-04	2.53E-04	2.29E-02	1.81E-04	4.15E-08	3.73E-06	6.91E-06	1.92E-04
1197	489435.89	3858876.54	3.99E-04	4.87E-08	3.83E-06	6.80E-06	4.10E-04	1.90E-04	2.15E-02	2.88E-04	2.49E-04	2.22E-02	1.81E-04	4.03E-08	3.83E-06	6.80E-06	1.91E-04
1198	489485.89	3858876.54	3.99E-04	4.73E-08	3.93E-06	6.70E-06	4.09E-04	1.89E-04	2.08E-02	2.95E-04	2.46E-04	2.16E-02	1.80E-04	3.91E-08	3.93E-06	6.70E-06	1.91E-04
1199	489535.89	3858876.54	3.98E-04	4.59E-08	4.02E-06	6.60E-06	4.09E-04	1.89E-04	2.02E-02	3.01E-04	2.42E-04	2.10E-02	1.80E-04	3.79E-08	4.02E-06	6.60E-06	1.91E-04
1200	489585.89	3858876.54	3.98E-04	4.46E-08	4.09E-06	6.50E-06	4.09E-04	1.89E-04	1.96E-02	3.07E-04	2.39E-04	2.04E-02	1.80E-04	3.68E-08	4.09E-06	6.50E-06	1.91E-04
1201	489635.89	3858876.54	3.98E-04	4.34E-08	4.16E-06	6.41E-06	4.09E-04	1.89E-04	1.91E-02	3.12E-04	2.35E-04	1.99E-02	1.80E-04	3.58E-08	4.16E-06	6.41E-06	1.91E-04
1202	489685.89	3858876.54	3.99E-04	4.22E-08	4.22E-06	6.32E-06	4.10E-04	1.90E-04	1.86E-02	3.16E-04	2.32E-04	1.93E-02	1.81E-04	3.49E-08	4.22E-06	6.32E-06	1.91E-04
1203	489735.89	3858876.54	4.01E-04	4.11E-08	4.27E-06	6.22E-06	4.11E-04	1.90E-04	1.81E-02	3.20E-04	2.28E-04	1.88E-02	1.81E-04	3.39E-08	4.27E-06	6.22E-06	1.92E-04
1204	489785.89	3858876.54	4.02E-04	4.01E-08	4.31E-06	6.13E-06	4.12E-04	1.91E-04	1.76E-02	3.23E-04	2.25E-04	1.84E-02	1.82E-04	3.31E-08	4.31E-06	6.13E-06	1.92E-04
1205	489835.89	3858876.54	4.04E-04	3.90E-08	4.35E-06	6.04E-06	4.14E-04	1.92E-04	1.72E-02	3.26E-04	2.22E-04	1.79E-02	1.83E-04	3.22E-08	4.35E-06	6.04E-06	1.93E-04
1206	489885.89	3858876.54	4.05E-04	3.82E-08	4.40E-06	5.95E-06	4.16E-04	1.93E-04	1.68E-02	3.30E-04	2.18E-04	1.76E-02	1.83E-04	3.15E-08	4.40E-06	5.95E-06	1.94E-04
1207	489935.89	3858876.54	4.07E-04	3.72E-08	4.43E-06	5.86E-06	4.18E-04	1.94E-04	1.64E-02	3.32E-04	2.15E-04	1.71E-02	1.84E-04	3.07E-08	4.43E-06	5.86E-06	1.95E-04
1208	489985.89	3858876.54	4.10E-04	3.63E-08	4.46E-06	5.78E-06	4.20E-04	1.95E-04	1.60E-02	3.35E-04	2.12E-04	1.67E-02	1.85E-04	3.00E-08	4.46E-06	5.78E-06	1.96E-04
1209	490035.89	3858876.54	4.13E-04	3.54E-08	4.49E-06	5.69E-06	4.23E-04	1.96E-04	1.56E-02	3.37E-04	2.09E-04	1.63E-02	1.87E-04	2.92E-08	4.49E-06	5.69E-06	1.97E-04
1210	489285.89	3858926.54	3.95E-04	5.74E-08	3.11E-06	7.53E-06	4.05E-04	1.88E-04	2.53E-02	2.33E-04	2.76E-04	2.60E-02	1.78E-04	4.74E-08	3.11E-06	7.53E-06	1.89E-04
1211	489335.89	3858926.54	3.92E-04	5.53E-08	3.21E-06	7.41E-06	4.03E-04	1.86E-04	2.44E-02	2.41E-04	2.72E-04	2.51E-02	1.77E-04	4.57E-08	3.21E-06	7.41E-06	1.88E-04
1212	489385.89	3858926.54	3.90E-04	5.33E-08	3.31E-06	7.28E-06	4.01E-04	1.85E-04	2.35E-02	2.48E-04	2.67E-04	2.42E-02	1.76E-04	4.40E-08	3.31E-06	7.28E-06	1.87E-04
1213	489435.89	3858926.54	3.88E-04	5.15E-08	3.41E-06	7.16E-06	3.99E-04	1.84E-04	2.27E-02	2.56E-04	2.63E-04	2.34E-02	1.76E-04	4.26E-08	3.41E-06	7.16E-06	1.86E-04
1214	489485.89	3858926.54	3.87E-04	4.99E-08	3.50E-06	7.04E-06	3.97E-04	1.84E-04	2.20E-02	2.63E-04	2.58E-04	2.27E-02	1.75E-04	4.12E-08	3.50E-06	7.04E-06	1.85E-04
1215	489535.89	3858926.54	3.86E-04	4.83E-08	3.59E-06	6.93E-06	3.96E-04	1.83E-04	2.13E-02	2.69E-04	2.54E-04	2.20E-02	1.74E-04	3.99E-08	3.59E-06	6.93E-06	1.85E-04
1216	489585.89	3858926.54	3.85E-04	4.68E-08	3.67E-06	6.82E-06	3.95E-04	1.83E-04	2.06E-02	2.75E-04	2.50E-04	2.13E-02	1.74E-04	3.87E-08	3.67E-06	6.82E-06	1.85E-04

1217	489635.89	3858926.54	3.85E-04	4.54E-08	3.74E-06	6.71E-06	3.95E-04	1.83E-04	2.00E-02	2.80E-04	2.46E-04	2.07E-02	1.74E-04	3.75E-08	3.74E-06	6.71E-06	1.85E-04
1218	489685.89	3858926.54	3.85E-04	4.40E-08	3.80E-06	6.60E-06	3.95E-04	1.83E-04	1.94E-02	2.85E-04	2.42E-04	2.01E-02	1.74E-04	3.64E-08	3.80E-06	6.60E-06	1.85E-04
1219	489735.89	3858926.54	3.85E-04	4.28E-08	3.85E-06	6.50E-06	3.96E-04	1.83E-04	1.89E-02	2.89E-04	2.38E-04	1.96E-02	1.74E-04	3.54E-08	3.85E-06	6.50E-06	1.85E-04
1220	489785.89	3858926.54	3.86E-04	4.17E-08	3.90E-06	6.39E-06	3.96E-04	1.84E-04	1.84E-02	2.93E-04	2.34E-04	1.91E-02	1.75E-04	3.45E-08	3.90E-06	6.39E-06	1.85E-04
1221	489835.89	3858926.54	3.87E-04	4.06E-08	3.95E-06	6.29E-06	3.98E-04	1.84E-04	1.79E-02	2.96E-04	2.31E-04	1.86E-02	1.75E-04	3.35E-08	3.95E-06	6.29E-06	1.86E-04
1222	489885.89	3858926.54	3.89E-04	3.96E-08	3.99E-06	6.19E-06	3.99E-04	1.85E-04	1.74E-02	2.99E-04	2.27E-04	1.81E-02	1.76E-04	3.27E-08	3.99E-06	6.19E-06	1.86E-04
1223	489935.89	3858926.54	3.91E-04	3.85E-08	4.03E-06	6.09E-06	4.01E-04	1.86E-04	1.70E-02	3.02E-04	2.23E-04	1.77E-02	1.77E-04	3.18E-08	4.03E-06	6.09E-06	1.87E-04
1224	489985.89	3858926.54	3.93E-04	3.75E-08	4.06E-06	5.99E-06	4.03E-04	1.87E-04	1.65E-02	3.04E-04	2.20E-04	1.72E-02	1.78E-04	3.10E-08	4.06E-06	5.99E-06	1.88E-04
1225	490035.89	3858926.54	3.95E-04	3.64E-08	4.09E-06	5.89E-06	4.05E-04	1.88E-04	1.60E-02	3.07E-04	2.16E-04	1.67E-02	1.79E-04	3.01E-08	4.09E-06	5.89E-06	1.89E-04
1226	489335.89	3858976.54	3.82E-04	5.86E-08	2.87E-06	7.83E-06	3.93E-04	1.82E-04	2.58E-02	2.15E-04	2.87E-04	2.65E-02	1.73E-04	4.84E-08	2.87E-06	7.83E-06	1.84E-04
1227	489385.89	3858976.54	3.80E-04	5.63E-08	2.96E-06	7.68E-06	3.91E-04	1.81E-04	2.48E-02	2.22E-04	2.82E-04	2.55E-02	1.72E-04	4.65E-08	2.96E-06	7.68E-06	1.83E-04
1228	489435.89	3858976.54	3.78E-04	5.43E-08	3.05E-06	7.55E-06	3.88E-04	1.80E-04	2.39E-02	2.29E-04	2.77E-04	2.46E-02	1.71E-04	4.48E-08	3.05E-06	7.55E-06	1.81E-04
1229	489485.89	3858976.54	3.76E-04	5.23E-08	3.13E-06	7.41E-06	3.86E-04	1.79E-04	2.30E-02	2.35E-04	2.72E-04	2.37E-02	1.70E-04	4.32E-08	3.13E-06	7.41E-06	1.81E-04
1230	489535.89	3858976.54	3.74E-04	5.05E-08	3.22E-06	7.28E-06	3.85E-04	1.78E-04	2.22E-02	2.41E-04	2.67E-04	2.29E-02	1.69E-04	4.17E-08	3.22E-06	7.28E-06	1.80E-04
1231	489585.89	3858976.54	3.73E-04	4.89E-08	3.29E-06	7.15E-06	3.84E-04	1.77E-04	2.15E-02	2.47E-04	2.62E-04	2.22E-02	1.69E-04	4.04E-08	3.29E-06	7.15E-06	1.79E-04
1232	489635.89	3858976.54	3.72E-04	4.73E-08	3.37E-06	7.03E-06	3.83E-04	1.77E-04	2.08E-02	2.53E-04	2.58E-04	2.15E-02	1.68E-04	3.91E-08	3.37E-06	7.03E-06	1.79E-04
1233	489685.89	3858976.54	3.72E-04	4.58E-08	3.43E-06	6.91E-06	3.83E-04	1.77E-04	2.02E-02	2.58E-04	2.53E-04	2.09E-02	1.68E-04	3.78E-08	3.43E-06	6.91E-06	1.79E-04
1234	489735.89	3858976.54	3.72E-04	4.45E-08	3.49E-06	6.78E-06	3.82E-04	1.77E-04	1.96E-02	2.62E-04	2.49E-04	2.03E-02	1.68E-04	3.67E-08	3.49E-06	6.78E-06	1.79E-04
1235	489785.89	3858976.54	3.72E-04	4.33E-08	3.54E-06	6.67E-06	3.82E-04	1.77E-04	1.90E-02	2.66E-04	2.44E-04	1.97E-02	1.68E-04	3.57E-08	3.54E-06	6.67E-06	1.79E-04
1236	489835.89	3858976.54	3.73E-04	4.21E-08	3.59E-06	6.55E-06	3.83E-04	1.77E-04	1.85E-02	2.69E-04	2.40E-04	1.92E-02	1.69E-04	3.48E-08	3.59E-06	6.55E-06	1.79E-04
1237	489885.89	3858976.54	3.74E-04	4.08E-08	3.63E-06	6.43E-06	3.84E-04	1.78E-04	1.80E-02	2.72E-04	2.36E-04	1.87E-02	1.69E-04	3.37E-08	3.63E-06	6.43E-06	1.79E-04
1238	489935.89	3858976.54	3.75E-04	3.97E-08	3.67E-06	6.32E-06	3.85E-04	1.78E-04	1.75E-02	2.75E-04	2.32E-04	1.82E-02	1.70E-04	3.28E-08	3.67E-06	6.32E-06	1.80E-04
1239	489985.89	3858976.54	3.77E-04	3.86E-08	3.70E-06	6.21E-06	3.87E-04	1.79E-04	1.70E-02	2.78E-04	2.28E-04	1.77E-02	1.71E-04	3.19E-08	3.70E-06	6.21E-06	1.81E-04
1240	490035.89	3858976.54	3.80E-04	3.70E-08	3.72E-06	6.09E-06	3.90E-04	1.81E-04	1.63E-02	2.79E-04	2.23E-04	1.70E-02	1.72E-04	3.06E-08	3.72E-06	6.09E-06	1.82E-04
1241	489385.89	3859026.54	3.71E-04	5.90E-08	2.67E-06	8.13E-06	3.82E-04	1.76E-04	2.60E-02	2.01E-04	2.98E-04	2.66E-02	1.68E-04	4.87E-08	2.67E-06	8.13E-06	1.79E-04
1242	489435.89	3859026.54	3.69E-04	5.66E-08	2.75E-06	7.97E-06	3.79E-04	1.75E-04	2.49E-02	2.06E-04	2.92E-04	2.56E-02	1.67E-04	4.68E-08	2.75E-06	7.97E-06	1.78E-04
1243	489485.89	3859026.54	3.66E-04	5.45E-08	2.83E-06	7.82E-06	3.77E-04	1.74E-04	2.40E-02	2.12E-04	2.87E-04	2.47E-02	1.66E-04	4.50E-08	2.83E-06	7.82E-06	1.76E-04
1244	489535.89	3859026.54	3.64E-04	5.25E-08	2.90E-06	7.67E-06	3.75E-04	1.73E-04	2.31E-02	2.18E-04	2.81E-04	2.38E-02	1.65E-04	4.34E-08	2.90E-06	7.67E-06	1.75E-04
1245	489585.89	3859026.54	3.63E-04	5.06E-08	2.98E-06	7.52E-06	3.74E-04	1.73E-04	2.23E-02	2.23E-04	2.76E-04	2.30E-02	1.64E-04	4.18E-08	2.98E-06	7.52E-06	1.75E-04
1246	489635.89	3859026.54	3.62E-04	4.90E-08	3.05E-06	7.38E-06	3.72E-04	1.72E-04	2.16E-02	2.29E-04	2.70E-04	2.22E-02	1.64E-04	4.05E-08	3.05E-06	7.38E-06	1.74E-04
1247	489685.89	3859026.54	3.61E-04	4.74E-08	3.11E-06	7.23E-06	3.71E-04	1.72E-04	2.09E-02	2.33E-04	2.65E-04	2.15E-02	1.63E-04	3.91E-08	3.11E-06	7.23E-06	1.74E-04
1248	489735.89	3859026.54	3.60E-04	4.60E-08	3.17E-06	7.10E-06	3.70E-04	1.71E-04	2.03E-02	2.38E-04	2.60E-04	2.09E-02	1.63E-04	3.80E-08	3.17E-06	7.10E-06	1.73E-04
1249	489785.89	3859026.54	3.60E-04	4.46E-08	3.23E-06	6.96E-06	3.70E-04	1.71E-04	1.97E-02	2.42E-04	2.55E-04	2.03E-02	1.63E-04	3.69E-08	3.23E-06	6.96E-06	1.73E-04
1250	489835.89	3859026.54	3.60E-04	4.32E-08	3.28E-06	6.82E-06	3.70E-04	1.71E-04	1.90E-02	2.46E-04	2.50E-04	1.97E-02	1.63E-04	3.57E-08	3.28E-06	6.82E-06	1.73E-04
1251	489885.89	3859026.54	3.61E-04	4.20E-08	3.32E-06	6.69E-06	3.71E-04	1.71E-04	1.85E-02	2.49E-04	2.45E-04	1.91E-02	1.63E-04	3.47E-08	3.32E-06	6.69E-06	1.73E-04
1252	489935.89	3859026.54	3.62E-04	4.07E-08	3.36E-06	6.56E-06	3.72E-04	1.72E-04	1.79E-02	2.52E-04	2.40E-04	1.86E-02	1.64E-04	3.36E-08	3.36E-06	6.56E-06	1.74E-04
1253	489985.89	3859026.54	3.63E-04	3.95E-08	3.39E-06	6.43E-06	3.73E-04	1.73E-04	1.74E-02	2.54E-04	2.36E-04	1.81E-02	1.64E-04	3.27E-08	3.39E-06	6.43E-06	1.74E-04
1254	490035.89	3859026.54	3.66E-04	3.77E-08	3.41E-06	6.30E-06	3.76E-04	1.74E-04	1.66E-02	2.56E-04	2.31E-04	1.73E-02	1.66E-04	3.11E-08	3.41E-06	6.30E-06	1.75E-04
1255	489485.89	3859076.54	3.58E-04	5.64E-08	2.57E-06	8.27E-06	3.69E-04	1.70E-04	2.48E-02	1.93E-04	3.03E-04	2.55E-02	1.62E-04	4.66E-08	2.57E-06	8.27E-06	1.73E-04
1256	489535.89	3859076.54	3.56E-04	5.42E-08	2.64E-06	8.09E-06	3.67E-04	1.69E-04	2.39E-02	1.98E-04	2.97E-04	2.45E-02	1.61E-04	4.48E-08	2.64E-06	8.09E-06	1.72E-04
1257	489585.89	3859076.54	3.54E-04	5.22E-08	2.71E-06	7.92E-06	3.65E-04	1.68E-04	2.30E-02	2.03E-04	2.90E-04	2.36E-02	1.60E-04	4.31E-08	2.71E-06	7.92E-06	1.71E-04
1258	489635.89	3859076.54	3.52E-04	5.05E-08	2.77E-06	7.75E-06	3.63E-04	1.67E-04	2.22E-02	2.08E-04	2.84E-04	2.29E-02	1.59E-04	4.17E-08	2.77E-06	7.75E-06	1.70E-04
1259	489685.89	3859076.54	3.50E-04	4.88E-08	2.83E-06	7.58E-06	3.61E-04	1.67E-04	2.15E-02	2.12E-04	2.78E-04	2.22E-02	1.59E-04	4.03E-08	2.83E-06	7.58E-06	1.69E-04
1260	489735.89	3859076.54	3.49E-04	4.73E-08	2.89E-06	7.42E-06	3.60E-04	1.66E-04	2.08E-02	2.17E-04	2.72E-04	2.15E-02	1.58E-04	3.91E-08	2.89E-06	7.42E-06	1.68E-04
1261	489785.89	3859076.54	3.49E-04	4.58E-08	2.94E-06	7.26E-06	3.59E-04	1.66E-04	2.02E-02	2.21E-04	2.66E-04	2.08E-02	1.58E-04	3.79E-08	2.94E-06	7.26E-06	1.68E-04
1262	489835.89	3859076.54	3.48E-04	4.44E-08	3.00E-06	7.10E-06	3.59E-04	1.66E-04	1.96E-02	2.25E-04	2.60E-04	2.02E-02	1.58E-04	3.67E-08	3.00E-06	7.10E-06	1.68E-04
1263	489885.89	3859076.54	3.49E-04	4.30E-08	3.05E-06	6.95E-06	3.59E-04	1.66E-04	1.89E-02	2.28E-04	2.55E-04	1.96E-02	1.58E-04	3.55E-08	3.05E-06	6.95E-06	1.68E-04
1264	489935.89	3859076.54	3.49E-04	4.18E-08	3.09E-06	6.80E-06	3.59E-04	1.66E-04	1.84E-02	2.32E-04	2.49E-04	1.90E-02	1.58E-04	3.45E-08	3.09E-06	6.80E-06	1.68E-04
1265	489985.89	3859076.54	3.50E-04	4.05E-08	3.12E-06	6.65E-06	3.60E-04	1.66E-04	1.78E-02	2.34E-04	2.44E-04	1.85E-02	1.58E-04	3.34E-08	3.12E-06	6.65E-06	1.68E-04
1266	490035.89	3859076.54	3.53E-04	3.87E-08	3.14E-06	6.50E-06	3.62E-04	1.68E-04	1.70E-02	2.35E-04	2.38E-04	1.77E-02	1.60E-04	3.19E-08	3.14E-06	6.50E-06	1.69E-04
1267	489585.89	3859126.54	3.45E-04	5.36E-08	2.48E-06	8.33E-06	3.56E-04	1.64E-04	2.36E-02	1.86E-04	3.05E-04	2.42E-02	1.56E-04	4.42E-08	2.48E-06	8.33E-06	1.67E-04
1268	489635.89	3859126.54	3.43E-04	5.17E-08	2.53E-06	8.13E-06	3.54E-04	1.63E-04	2.28E-02	1.90E-04	2.98E-04	2.34E-02	1.55E-04	4.27E-08	2.53E-06	8.13E-06	1.66E-04
1269	489685.89	3859126.54	3.41E-04	5.00E-08	2.59E-06	7.93E-06	3.52E-04	1.62E-04	2.20E-02	1.94E-04	2.91E-04	2.27E-02	1.54E-04	4.13E-08	2.59E-06	7.93E-06	1.65E-04
1270	489735.89	3859126.54	3.40E-04	4.84E-08	2.64E-06	7.74E-06	3.50E-04	1.62E-04	2.13E-02	1.98E-04	2.84E-04	2.19E-02	1.54E-04	3.99E-08	2.64E-06	7.74E-06	1.64E-04
1271	489785.89	3859126.54	3.39E-04	4.68E-08	2.69E-06	7.55E-06	3.49E-04	1.61E-04	2.06E-02	2.02E-04	2.77E-04	2.13E-02	1.53E-04	3.87E-08	2.69E-06	7.55E-06	1.64E-04
1272	489835.89	3859126.54	3.38E-04	4.53E-08	2.75E-06	7.37E-06	3.48E-04	1.61E-04	2.00E-02	2.06E-04	2.70E-04	2.06E-02	1.53E-04	3.74E-08	2.75E-06	7.37E-06	1.63E-04
1273	489885.89	3859126.54	3.38E-04	4.39E-08	2.80E-06	7.19E-06	3.48E-04	1.61E-04	1.93E-02	2.10E-04	2.64E-04	2.00E-02	1.53E-04	3.62E-08	2.80E-06	7.19E-06	1.63E-04
1274	489935.89	3859126.54	3.38E-04	4.26E-08	2.84E-06	7.02E-06	3.48E-04	1.61E-04	1.87E-02	2.13E-04	2.57E-04	1.94E-02	1.53E-04	3.52E-08	2.84E-06	7.02E-06	1.63E-04
1275	489985.89	3859126.54	3.39E-04	4.10E-08	2.88E-06	6.85E-06	3.49E-04	1.61E-04	1.81E-02	2.16E-04	2.51E-04	1.87E-02	1.53E-04	3.39E-08	2.88E-06	6.85E-06	1.63E-04
1276	490035.89	3859126.54	3.40E-04	3.95E-08	2.90E-06	6.68E-06	3.50E-04	1.62E-04	1.74E-02	2.18E-04	2.45E-04	1.80E-02	1.54E-04	3.27E-08	2.90E-06	6.68E-06	1.64E-04
1277	489585.89	3859176.54	3.38E-04	5.45E-08	2.29E-06	8.73E-06	3.49E-04	1.61E-04	2.40E-02	1.71E-04	3.20E-04	2.46E-02	1.53E-04	4.50E-08	2.29E-06	8.73E-06	1.64E-04

1278	489635.89	3859176.54	3.36E-04	5.26E-08	2.33E-06	8.49E-06	3.46E-04	1.60E-04	2.32E-02	1.75E-04	3.11E-04	2.38E-02	1.52E-04	4.35E-08	2.33E-06	8.49E-06	1.63E-04
1279	489685.89	3859176.54	3.33E-04	5.09E-08	2.38E-06	8.26E-06	3.44E-04	1.58E-04	2.24E-02	1.78E-04	3.03E-04	2.31E-02	1.51E-04	4.20E-08	2.38E-06	8.26E-06	1.61E-04
1280	489735.89	3859176.54	3.31E-04	4.93E-08	2.43E-06	8.04E-06	3.42E-04	1.58E-04	2.17E-02	1.82E-04	2.95E-04	2.23E-02	1.50E-04	4.07E-08	2.43E-06	8.04E-06	1.60E-04
1281	489785.89	3859176.54	3.30E-04	4.76E-08	2.48E-06	7.82E-06	3.40E-04	1.57E-04	2.10E-02	1.86E-04	2.87E-04	2.16E-02	1.49E-04	3.93E-08	2.48E-06	7.82E-06	1.60E-04
1282	489835.89	3859176.54	3.29E-04	4.61E-08	2.53E-06	7.61E-06	3.39E-04	1.56E-04	2.03E-02	1.90E-04	2.79E-04	2.09E-02	1.49E-04	3.81E-08	2.53E-06	7.61E-06	1.59E-04
1283	489885.89	3859176.54	3.28E-04	4.46E-08	2.58E-06	7.41E-06	3.38E-04	1.56E-04	1.96E-02	1.93E-04	2.72E-04	2.03E-02	1.49E-04	3.68E-08	2.58E-06	7.41E-06	1.59E-04
1284	489935.89	3859176.54	3.28E-04	4.32E-08	2.62E-06	7.21E-06	3.38E-04	1.56E-04	1.90E-02	1.97E-04	2.65E-04	1.97E-02	1.48E-04	3.57E-08	2.62E-06	7.21E-06	1.58E-04
1285	489985.89	3859176.54	3.28E-04	4.17E-08	2.66E-06	7.02E-06	3.38E-04	1.56E-04	1.84E-02	2.00E-04	2.57E-04	1.90E-02	1.49E-04	3.44E-08	2.66E-06	7.02E-06	1.58E-04
1286	490035.89	3859176.54	3.29E-04	4.05E-08	2.70E-06	6.84E-06	3.38E-04	1.56E-04	1.78E-02	2.02E-04	2.51E-04	1.84E-02	1.49E-04	3.35E-08	2.70E-06	6.84E-06	1.58E-04
1287	489685.89	3859226.54	3.26E-04	5.14E-08	2.21E-06	8.55E-06	3.37E-04	1.55E-04	2.26E-02	1.66E-04	3.14E-04	2.33E-02	1.48E-04	4.24E-08	2.21E-06	8.55E-06	1.58E-04
1288	489735.89	3859226.54	3.24E-04	4.98E-08	2.25E-06	8.30E-06	3.34E-04	1.54E-04	2.19E-02	1.68E-04	3.04E-04	2.26E-02	1.47E-04	4.11E-08	2.25E-06	8.30E-06	1.57E-04
1289	489785.89	3859226.54	3.22E-04	4.82E-08	2.29E-06	8.06E-06	3.33E-04	1.53E-04	2.12E-02	1.72E-04	2.95E-04	2.18E-02	1.46E-04	3.98E-08	2.29E-06	8.06E-06	1.56E-04
1290	489835.89	3859226.54	3.21E-04	4.65E-08	2.34E-06	7.82E-06	3.31E-04	1.53E-04	2.05E-02	1.75E-04	2.87E-04	2.11E-02	1.45E-04	3.84E-08	2.34E-06	7.82E-06	1.55E-04
1291	489885.89	3859226.54	3.20E-04	4.51E-08	2.38E-06	7.59E-06	3.30E-04	1.52E-04	1.98E-02	1.79E-04	2.78E-04	2.05E-02	1.45E-04	3.72E-08	2.38E-06	7.59E-06	1.55E-04
1292	489935.89	3859226.54	3.19E-04	4.37E-08	2.43E-06	7.38E-06	3.29E-04	1.52E-04	1.92E-02	1.82E-04	2.71E-04	1.98E-02	1.44E-04	3.61E-08	2.43E-06	7.38E-06	1.54E-04
1293	489985.89	3859226.54	3.19E-04	4.20E-08	2.47E-06	7.17E-06	3.29E-04	1.52E-04	1.85E-02	1.85E-04	2.63E-04	1.91E-02	1.45E-04	3.47E-08	2.47E-06	7.17E-06	1.54E-04
1294	490035.89	3859226.54	3.19E-04	4.09E-08	2.50E-06	6.98E-06	3.28E-04	1.52E-04	1.80E-02	1.88E-04	2.56E-04	1.86E-02	1.44E-04	3.38E-08	2.50E-06	6.98E-06	1.54E-04
1295	489735.89	3859276.54	3.17E-04	5.00E-08	2.09E-06	8.52E-06	3.28E-04	1.51E-04	2.20E-02	1.57E-04	3.12E-04	2.27E-02	1.44E-04	4.13E-08	2.09E-06	8.52E-06	1.54E-04
1296	489785.89	3859276.54	3.15E-04	4.85E-08	2.13E-06	8.26E-06	3.26E-04	1.50E-04	2.13E-02	1.60E-04	3.03E-04	2.20E-02	1.43E-04	4.00E-08	2.13E-06	8.26E-06	1.53E-04
1297	489835.89	3859276.54	3.14E-04	4.68E-08	2.17E-06	8.00E-06	3.24E-04	1.49E-04	2.06E-02	1.63E-04	2.93E-04	2.12E-02	1.42E-04	3.87E-08	2.17E-06	8.00E-06	1.52E-04
1298	489885.89	3859276.54	3.12E-04	4.54E-08	2.21E-06	7.76E-06	3.22E-04	1.48E-04	2.00E-02	1.66E-04	2.85E-04	2.06E-02	1.41E-04	3.75E-08	2.21E-06	7.76E-06	1.51E-04
1299	489935.89	3859276.54	3.11E-04	4.39E-08	2.26E-06	7.53E-06	3.21E-04	1.48E-04	1.93E-02	1.69E-04	2.76E-04	1.99E-02	1.41E-04	3.63E-08	2.26E-06	7.53E-06	1.51E-04
1300	489985.89	3859276.54	3.11E-04	4.21E-08	2.29E-06	7.30E-06	3.21E-04	1.48E-04	1.86E-02	1.72E-04	2.68E-04	1.91E-02	1.41E-04	3.48E-08	2.29E-06	7.30E-06	1.50E-04
1301	490035.89	3859276.54	3.10E-04	4.12E-08	2.33E-06	7.11E-06	3.20E-04	1.47E-04	1.82E-02	1.75E-04	2.61E-04	1.87E-02	1.40E-04	3.41E-08	2.33E-06	7.11E-06	1.50E-04
1302	490458.06	3859590.74	2.59E-04	3.43E-08	1.77E-06	5.84E-06	2.67E-04	1.23E-04	1.51E-02	1.32E-04	2.14E-04	1.56E-02	1.17E-04	2.83E-08	1.77E-06	5.84E-06	1.25E-04
1303	490508.06	3859590.74	2.59E-04	3.34E-08	1.80E-06	5.68E-06	2.67E-04	1.23E-04	1.47E-02	1.35E-04	2.08E-04	1.52E-02	1.17E-04	2.76E-08	1.80E-06	5.68E-06	1.25E-04
1304	490558.06	3859590.74	2.59E-04	3.26E-08	1.83E-06	5.53E-06	2.67E-04	1.23E-04	1.44E-02	1.37E-04	2.03E-04	1.48E-02	1.17E-04	2.69E-08	1.83E-06	5.53E-06	1.25E-04
1305	490608.06	3859590.74	2.60E-04	3.18E-08	1.85E-06	5.38E-06	2.67E-04	1.24E-04	1.40E-02	1.38E-04	1.97E-04	1.44E-02	1.18E-04	2.62E-08	1.85E-06	5.38E-06	1.25E-04
1306	490658.06	3859590.74	2.61E-04	3.09E-08	1.85E-06	5.25E-06	2.68E-04	1.24E-04	1.36E-02	1.39E-04	1.92E-04	1.41E-02	1.18E-04	2.55E-08	1.85E-06	5.25E-06	1.25E-04
1307	490708.06	3859590.74	2.61E-04	3.00E-08	1.86E-06	5.12E-06	2.68E-04	1.24E-04	1.32E-02	1.40E-04	1.88E-04	1.37E-02	1.18E-04	2.48E-08	1.86E-06	5.12E-06	1.25E-04
1308	490758.06	3859590.74	2.62E-04	2.91E-08	1.87E-06	5.01E-06	2.69E-04	1.25E-04	1.28E-02	1.40E-04	1.84E-04	1.33E-02	1.19E-04	2.40E-08	1.87E-06	5.01E-06	1.26E-04
1309	490808.06	3859590.74	2.63E-04	2.83E-08	1.88E-06	4.89E-06	2.70E-04	1.25E-04	1.25E-02	1.41E-04	1.79E-04	1.29E-02	1.19E-04	2.34E-08	1.88E-06	4.89E-06	1.26E-04
1310	490858.06	3859590.74	2.64E-04	2.75E-08	1.89E-06	4.79E-06	2.71E-04	1.26E-04	1.21E-02	1.42E-04	1.76E-04	1.26E-02	1.19E-04	2.27E-08	1.89E-06	4.79E-06	1.26E-04
1311	490458.06	3859640.74	2.52E-04	3.44E-08	1.67E-06	5.76E-06	2.60E-04	1.20E-04	1.51E-02	1.25E-04	2.11E-04	1.56E-02	1.14E-04	2.84E-08	1.67E-06	5.76E-06	1.22E-04
1312	490508.06	3859640.74	2.52E-04	3.36E-08	1.69E-06	5.60E-06	2.60E-04	1.20E-04	1.48E-02	1.27E-04	2.05E-04	1.52E-02	1.14E-04	2.77E-08	1.69E-06	5.60E-06	1.21E-04
1313	490558.06	3859640.74	2.52E-04	3.28E-08	1.72E-06	5.45E-06	2.60E-04	1.20E-04	1.44E-02	1.29E-04	2.00E-04	1.49E-02	1.14E-04	2.71E-08	1.72E-06	5.45E-06	1.21E-04
1314	490608.06	3859640.74	2.53E-04	3.19E-08	1.76E-06	5.30E-06	2.60E-04	1.20E-04	1.41E-02	1.32E-04	1.94E-04	1.45E-02	1.14E-04	2.64E-08	1.76E-06	5.30E-06	1.21E-04
1315	490658.06	3859640.74	2.53E-04	3.11E-08	1.77E-06	5.16E-06	2.60E-04	1.20E-04	1.37E-02	1.33E-04	1.89E-04	1.41E-02	1.15E-04	2.57E-08	1.77E-06	5.16E-06	1.22E-04
1316	490708.06	3859640.74	2.54E-04	3.02E-08	1.78E-06	5.03E-06	2.61E-04	1.21E-04	1.33E-02	1.33E-04	1.85E-04	1.37E-02	1.15E-04	2.50E-08	1.78E-06	5.03E-06	1.22E-04
1317	490758.06	3859640.74	2.55E-04	2.93E-08	1.79E-06	4.92E-06	2.61E-04	1.21E-04	1.29E-02	1.34E-04	1.80E-04	1.34E-02	1.15E-04	2.42E-08	1.79E-06	4.92E-06	1.22E-04
1318	490808.06	3859640.74	2.55E-04	2.86E-08	1.80E-06	4.80E-06	2.62E-04	1.21E-04	1.26E-02	1.35E-04	1.76E-04	1.30E-02	1.15E-04	2.36E-08	1.80E-06	4.80E-06	1.22E-04
1319	490858.06	3859640.74	2.56E-04	2.79E-08	1.81E-06	4.70E-06	2.62E-04	1.22E-04	1.23E-02	1.36E-04	1.72E-04	1.27E-02	1.16E-04	2.31E-08	1.81E-06	4.70E-06	1.22E-04
1320	490608.06	3859690.74	2.46E-04	3.21E-08	1.66E-06	5.20E-06	2.53E-04	1.17E-04	1.41E-02	1.24E-04	1.91E-04	1.46E-02	1.11E-04	2.65E-08	1.66E-06	5.20E-06	1.18E-04
1321	490658.06	3859690.74	2.47E-04	3.12E-08	1.69E-06	5.06E-06	2.54E-04	1.17E-04	1.37E-02	1.27E-04	1.85E-04	1.42E-02	1.12E-04	2.58E-08	1.69E-06	5.06E-06	1.18E-04
1322	490708.06	3859690.74	2.47E-04	3.04E-08	1.70E-06	4.93E-06	2.54E-04	1.17E-04	1.34E-02	1.28E-04	1.81E-04	1.38E-02	1.12E-04	2.51E-08	1.70E-06	4.93E-06	1.18E-04
1323	490758.06	3859690.74	2.48E-04	2.95E-08	1.71E-06	4.81E-06	2.54E-04	1.18E-04	1.30E-02	1.28E-04	1.77E-04	1.34E-02	1.12E-04	2.44E-08	1.71E-06	4.81E-06	1.19E-04
1324	490808.06	3859690.74	2.48E-04	2.88E-08	1.72E-06	4.70E-06	2.55E-04	1.18E-04	1.27E-02	1.29E-04	1.72E-04	1.31E-02	1.12E-04	2.38E-08	1.72E-06	4.70E-06	1.19E-04
1325	490858.06	3859690.74	2.48E-04	2.82E-08	1.73E-06	4.60E-06	2.55E-04	1.18E-04	1.24E-02	1.30E-04	1.69E-04	1.29E-02	1.12E-04	2.33E-08	1.73E-06	4.60E-06	1.19E-04
1326	490708.06	3859740.74	2.41E-04	3.06E-08	1.63E-06	4.82E-06	2.47E-04	1.14E-04	1.35E-02	1.22E-04	1.77E-04	1.39E-02	1.09E-04	2.52E-08	1.63E-06	4.82E-06	1.15E-04
1327	490758.06	3859740.74	2.41E-04	2.99E-08	1.65E-06	4.71E-06	2.47E-04	1.14E-04	1.32E-02	1.23E-04	1.73E-04	1.36E-02	1.09E-04	2.47E-08	1.65E-06	4.71E-06	1.15E-04
1328	490808.06	3859740.74	2.41E-04	2.92E-08	1.66E-06	4.60E-06	2.47E-04	1.15E-04	1.29E-02	1.24E-04	1.69E-04	1.33E-02	1.09E-04	2.41E-08	1.66E-06	4.60E-06	1.15E-04
1329	490858.06	3859740.74	2.41E-04	2.86E-08	1.67E-06	4.49E-06	2.47E-04	1.15E-04	1.26E-02	1.25E-04	1.65E-04	1.30E-02	1.09E-04	2.36E-08	1.67E-06	4.49E-06	1.15E-04
1330	490786.56	3859749.39	2.40E-04	2.95E-08	1.64E-06	4.62E-06	2.46E-04	1.14E-04	1.30E-02	1.23E-04	1.69E-04	1.34E-02	1.08E-04	2.44E-08	1.64E-06	4.62E-06	1.15E-04
1331	490836.56	3859749.39	2.40E-04	2.89E-08	1.65E-06	4.52E-06	2.46E-04	1.14E-04	1.27E-02	1.24E-04	1.66E-04	1.31E-02	1.09E-04	2.38E-08	1.65E-06	4.52E-06	1.15E-04
1332	490786.56	3859799.39	2.33E-04	2.97E-08	1.56E-06	4.51E-06	2.39E-04	1.11E-04	1.31E-02	1.17E-04	1.65E-04	1.35E-02	1.06E-04	2.45E-08	1.56E-06	4.51E-06	1.12E-04
1333	490836.56	3859799.39	2.33E-04	2.90E-08	1.58E-06	4.40E-06	2.39E-04	1.11E-04	1.28E-02	1.19E-04	1.61E-04	1.32E-02	1.06E-04	2.40E-08	1.58E-06	4.40E-06	1.12E-04
1334	492307.84	3854508.36	5.46E-04	2.67E-09	1.74E-06	1.72E-06	5.50E-04	2.60E-04	1.17E-03	1.31E-04	6.31E-05	1.63E-03	2.47E-04	2.20E-09	1.74E-06	1.72E-06	2.51E-04
1335	486445.7	3854753.6	7.74E-04	2.88E-09	7.86E-07	2.51E-06	7.78E-04	3.68E-04	1.27E-03	5.89E-05	9.19E-05	1.79E-03	3.50E-04	2.38E-09	7.86E-07	2.51E-06	3.54E-04
1336	472599.75	3877830.11	1.14E-05	2.40E-10	9.95E-08	9.82E-08	1.16E-05	5.44E-06	1.06E-04	7.46E-06	3.60E-06	1.22E-04	5.17E-06	1.98E-10	9.95E-08	9.82E-08	5.37E-06
1337	493107.48	3866840.19	3.64E-05	7.10E-10	2.31E-07	2.74E-07	3.69E-05	1.73E-05	3.13E-04	1.73E-05	1.00E-05	3.57E-04	1.64E-05	5.87E-10	2.31E-07	2.74E-07	1.70E-05
1338	495815.79	3861662.87	1.19E-04	5.12E-09	7.12E-07	6.78E-07	1.20E-04	5.66E-05	2.25E-03	5.34E-05	2.48E-05	2.39E-03	5.38E-05	4.23E-09	7.12E-07	6.78E-07	5.52E-05

1339	480272.33	3841389.2	4.01E-06	5.65E-11	1.22E-07	1.35E-07	4.27E-06	1.91E-06	2.49E-05	9.12E-06	4.96E-06	4.09E-05	1.81E-06	4.67E-11	1.22E-07	1.35E-07	2.07E-06
1340	497005.18	3862813.64	8.19E-05	3.20E-09	5.43E-07	4.21E-07	8.28E-05	3.89E-05	1.41E-03	4.07E-05	1.54E-05	1.51E-03	3.70E-05	2.65E-09	5.43E-07	4.21E-07	3.80E-05
1341	493677.33	3860302.55	2.08E-04	1.13E-08	1.49E-06	1.65E-06	2.11E-04	9.90E-05	4.97E-03	1.12E-04	6.03E-05	5.24E-03	9.42E-05	9.32E-09	1.49E-06	1.65E-06	9.73E-05
1342	493727.33	3860302.55	2.08E-04	1.12E-08	1.50E-06	1.64E-06	2.11E-04	9.89E-05	4.91E-03	1.12E-04	6.00E-05	5.19E-03	9.41E-05	9.22E-09	1.50E-06	1.64E-06	9.73E-05
1343	493777.33	3860302.55	2.08E-04	1.10E-08	1.50E-06	1.62E-06	2.11E-04	9.89E-05	4.86E-03	1.12E-04	5.96E-05	5.13E-03	9.41E-05	9.11E-09	1.50E-06	1.62E-06	9.73E-05
1344	493827.33	3860302.55	2.08E-04	1.09E-08	1.50E-06	1.61E-06	2.11E-04	9.89E-05	4.80E-03	1.13E-04	5.92E-05	5.08E-03	9.41E-05	9.01E-09	1.50E-06	1.61E-06	9.72E-05
1345	493877.33	3860302.55	2.08E-04	1.08E-08	1.51E-06	1.61E-06	2.11E-04	9.87E-05	4.76E-03	1.13E-04	5.89E-05	5.03E-03	9.39E-05	8.92E-09	1.51E-06	1.61E-06	9.71E-05
1346	493927.33	3860302.55	2.07E-04	1.07E-08	1.51E-06	1.60E-06	2.10E-04	9.85E-05	4.71E-03	1.14E-04	5.85E-05	4.98E-03	9.38E-05	8.84E-09	1.51E-06	1.60E-06	9.69E-05
1347	493977.33	3860302.55	2.07E-04	1.05E-08	1.51E-06	1.58E-06	2.10E-04	9.86E-05	4.64E-03	1.13E-04	5.81E-05	4.91E-03	9.38E-05	8.71E-09	1.51E-06	1.58E-06	9.69E-05
1348	494027.33	3860302.55	2.07E-04	1.04E-08	1.51E-06	1.57E-06	2.10E-04	9.85E-05	4.59E-03	1.13E-04	5.77E-05	4.86E-03	9.37E-05	8.60E-09	1.51E-06	1.57E-06	9.68E-05
1349	493677.33	3860352.55	2.04E-04	1.11E-08	1.44E-06	1.60E-06	2.07E-04	9.68E-05	4.90E-03	1.08E-04	5.88E-05	5.17E-03	9.21E-05	9.20E-09	1.44E-06	1.60E-06	9.52E-05
1350	493727.33	3860352.55	2.04E-04	1.10E-08	1.45E-06	1.59E-06	2.07E-04	9.68E-05	4.86E-03	1.09E-04	5.84E-05	5.12E-03	9.21E-05	9.11E-09	1.45E-06	1.59E-06	9.51E-05
1351	493777.33	3860352.55	2.03E-04	1.09E-08	1.46E-06	1.59E-06	2.06E-04	9.67E-05	4.81E-03	1.09E-04	5.81E-05	5.07E-03	9.20E-05	9.02E-09	1.46E-06	1.59E-06	9.51E-05
1352	493827.33	3860352.55	2.03E-04	1.08E-08	1.46E-06	1.58E-06	2.06E-04	9.67E-05	4.76E-03	1.10E-04	5.78E-05	5.02E-03	9.20E-05	8.92E-09	1.46E-06	1.58E-06	9.51E-05
1353	493877.33	3860352.55	2.03E-04	1.07E-08	1.47E-06	1.57E-06	2.06E-04	9.67E-05	4.71E-03	1.10E-04	5.74E-05	4.97E-03	9.20E-05	8.83E-09	1.47E-06	1.57E-06	9.50E-05
1354	493927.33	3860352.55	2.03E-04	1.06E-08	1.47E-06	1.56E-06	2.06E-04	9.67E-05	4.65E-03	1.10E-04	5.70E-05	4.91E-03	9.20E-05	8.72E-09	1.47E-06	1.56E-06	9.51E-05
1355	493977.33	3860352.55	2.04E-04	1.04E-08	1.47E-06	1.54E-06	2.07E-04	9.68E-05	4.59E-03	1.10E-04	5.66E-05	4.85E-03	9.21E-05	8.61E-09	1.47E-06	1.54E-06	9.51E-05
1356	494027.33	3860352.55	2.03E-04	1.03E-08	1.47E-06	1.54E-06	2.06E-04	9.66E-05	4.54E-03	1.10E-04	5.63E-05	4.81E-03	9.19E-05	8.52E-09	1.47E-06	1.54E-06	9.50E-05
1357	493677.33	3860402.55	1.99E-04	1.10E-08	1.37E-06	1.56E-06	2.02E-04	9.44E-05	4.84E-03	1.03E-04	5.73E-05	5.10E-03	8.99E-05	9.08E-09	1.37E-06	1.56E-06	9.28E-05
1358	493727.33	3860402.55	1.99E-04	1.09E-08	1.38E-06	1.56E-06	2.02E-04	9.45E-05	4.79E-03	1.04E-04	5.70E-05	5.05E-03	8.99E-05	8.99E-09	1.38E-06	1.56E-06	9.28E-05
1359	493777.33	3860402.55	1.99E-04	1.08E-08	1.40E-06	1.54E-06	2.02E-04	9.47E-05	4.74E-03	1.05E-04	5.66E-05	4.99E-03	9.01E-05	8.89E-09	1.40E-06	1.54E-06	9.31E-05
1360	493827.33	3860402.55	1.99E-04	1.07E-08	1.40E-06	1.54E-06	2.02E-04	9.46E-05	4.69E-03	1.05E-04	5.63E-05	4.95E-03	9.00E-05	8.80E-09	1.40E-06	1.54E-06	9.30E-05
1361	493877.33	3860402.55	1.99E-04	1.06E-08	1.41E-06	1.53E-06	2.02E-04	9.46E-05	4.65E-03	1.06E-04	5.60E-05	4.91E-03	9.00E-05	8.72E-09	1.41E-06	1.53E-06	9.29E-05
1362	493927.33	3860402.55	1.99E-04	1.04E-08	1.43E-06	1.52E-06	2.02E-04	9.47E-05	4.59E-03	1.07E-04	5.56E-05	4.85E-03	9.01E-05	8.62E-09	1.43E-06	1.52E-06	9.31E-05
1363	493977.33	3860402.55	2.00E-04	1.03E-08	1.43E-06	1.51E-06	2.03E-04	9.49E-05	4.53E-03	1.07E-04	5.52E-05	4.79E-03	9.03E-05	8.50E-09	1.43E-06	1.51E-06	9.33E-05
1364	494027.33	3860402.55	1.99E-04	1.02E-08	1.44E-06	1.50E-06	2.02E-04	9.48E-05	4.49E-03	1.08E-04	5.49E-05	4.75E-03	9.02E-05	8.43E-09	1.44E-06	1.50E-06	9.31E-05
1365	493677.33	3860452.55	1.94E-04	1.08E-08	1.31E-06	1.52E-06	1.97E-04	9.22E-05	4.77E-03	9.86E-05	5.58E-05	5.02E-03	8.77E-05	8.94E-09	1.31E-06	1.52E-06	9.06E-05
1366	493727.33	3860452.55	1.94E-04	1.07E-08	1.31E-06	1.52E-06	1.97E-04	9.21E-05	4.73E-03	9.86E-05	5.57E-05	4.97E-03	8.76E-05	8.87E-09	1.31E-06	1.52E-06	9.05E-05
1367	493777.33	3860452.55	1.94E-04	1.06E-08	1.32E-06	1.51E-06	1.97E-04	9.22E-05	4.68E-03	9.92E-05	5.54E-05	4.93E-03	8.77E-05	8.78E-09	1.32E-06	1.51E-06	9.06E-05
1368	493827.33	3860452.55	1.94E-04	1.05E-08	1.34E-06	1.50E-06	1.97E-04	9.24E-05	4.63E-03	1.00E-04	5.50E-05	4.88E-03	8.79E-05	8.68E-09	1.34E-06	1.50E-06	9.08E-05
1369	493877.33	3860452.55	1.95E-04	1.04E-08	1.35E-06	1.49E-06	1.98E-04	9.26E-05	4.58E-03	1.01E-04	5.46E-05	4.83E-03	8.81E-05	8.59E-09	1.35E-06	1.49E-06	9.09E-05
1370	493927.33	3860452.55	1.95E-04	1.03E-08	1.37E-06	1.48E-06	1.98E-04	9.29E-05	4.53E-03	1.03E-04	5.41E-05	4.78E-03	8.84E-05	8.49E-09	1.37E-06	1.48E-06	9.12E-05
1371	493977.33	3860452.55	1.95E-04	1.02E-08	1.38E-06	1.47E-06	1.98E-04	9.29E-05	4.48E-03	1.04E-04	5.39E-05	4.73E-03	8.84E-05	8.41E-09	1.38E-06	1.47E-06	9.12E-05
1372	494027.33	3860452.55	1.95E-04	1.01E-08	1.39E-06	1.46E-06	1.98E-04	9.28E-05	4.44E-03	1.04E-04	5.36E-05	4.69E-03	8.83E-05	8.33E-09	1.39E-06	1.46E-06	9.12E-05
1373	493677.33	3860502.55	1.89E-04	1.07E-08	1.26E-06	1.48E-06	1.92E-04	8.99E-05	4.70E-03	9.42E-05	5.43E-05	4.93E-03	8.55E-05	8.81E-09	1.26E-06	1.48E-06	8.83E-05
1374	493727.33	3860502.55	1.89E-04	1.06E-08	1.26E-06	1.48E-06	1.92E-04	8.99E-05	4.65E-03	9.45E-05	5.42E-05	4.89E-03	8.55E-05	8.72E-09	1.26E-06	1.48E-06	8.83E-05
1375	493777.33	3860502.55	1.89E-04	1.05E-08	1.27E-06	1.47E-06	1.92E-04	9.01E-05	4.61E-03	9.51E-05	5.39E-05	4.85E-03	8.57E-05	8.64E-09	1.27E-06	1.47E-06	8.84E-05
1376	493827.33	3860502.55	1.90E-04	1.04E-08	1.28E-06	1.46E-06	1.92E-04	9.02E-05	4.56E-03	9.57E-05	5.36E-05	4.80E-03	8.58E-05	8.56E-09	1.28E-06	1.46E-06	8.86E-05
1377	493877.33	3860502.55	1.90E-04	1.03E-08	1.29E-06	1.45E-06	1.93E-04	9.04E-05	4.51E-03	9.68E-05	5.33E-05	4.75E-03	8.61E-05	8.47E-09	1.29E-06	1.45E-06	8.88E-05
1378	493927.33	3860502.55	1.91E-04	1.01E-08	1.31E-06	1.44E-06	1.94E-04	9.07E-05	4.47E-03	9.82E-05	5.29E-05	4.71E-03	8.63E-05	8.37E-09	1.31E-06	1.44E-06	8.91E-05
1379	493977.33	3860502.55	1.91E-04	1.00E-08	1.32E-06	1.44E-06	1.94E-04	9.07E-05	4.42E-03	9.87E-05	5.26E-05	4.67E-03	8.63E-05	8.30E-09	1.32E-06	1.44E-06	8.91E-05
1380	494027.33	3860502.55	1.91E-04	9.95E-09	1.33E-06	1.43E-06	1.94E-04	9.08E-05	4.38E-03	9.94E-05	5.24E-05	4.62E-03	8.64E-05	8.22E-09	1.33E-06	1.43E-06	8.91E-05
1381	493627.33	3860552.55	1.84E-04	1.06E-08	1.19E-06	1.45E-06	1.86E-04	8.73E-05	4.66E-03	8.96E-05	5.31E-05	4.89E-03	8.30E-05	8.75E-09	1.19E-06	1.45E-06	8.57E-05
1382	493677.33	3860552.55	1.84E-04	1.05E-08	1.20E-06	1.44E-06	1.86E-04	8.74E-05	4.62E-03	8.99E-05	5.30E-05	4.85E-03	8.31E-05	8.67E-09	1.20E-06	1.44E-06	8.58E-05
1383	493727.33	3860552.55	1.84E-04	1.04E-08	1.20E-06	1.44E-06	1.87E-04	8.75E-05	4.58E-03	9.02E-05	5.28E-05	4.81E-03	8.33E-05	8.59E-09	1.20E-06	1.44E-06	8.59E-05
1384	493777.33	3860552.55	1.85E-04	1.03E-08	1.21E-06	1.43E-06	1.87E-04	8.78E-05	4.54E-03	9.09E-05	5.25E-05	4.77E-03	8.35E-05	8.51E-09	1.21E-06	1.43E-06	8.62E-05
1385	493827.33	3860552.55	1.85E-04	1.02E-08	1.23E-06	1.42E-06	1.88E-04	8.81E-05	4.49E-03	9.19E-05	5.22E-05	4.72E-03	8.38E-05	8.42E-09	1.23E-06	1.42E-06	8.65E-05
1386	493877.33	3860552.55	1.85E-04	1.01E-08	1.23E-06	1.42E-06	1.88E-04	8.82E-05	4.45E-03	9.24E-05	5.20E-05	4.68E-03	8.39E-05	8.34E-09	1.23E-06	1.42E-06	8.66E-05
1387	493927.33	3860552.55	1.86E-04	1.00E-08	1.24E-06	1.41E-06	1.89E-04	8.84E-05	4.40E-03	9.33E-05	5.17E-05	4.64E-03	8.41E-05	8.26E-09	1.24E-06	1.41E-06	8.68E-05
1388	493977.33	3860552.55	1.87E-04	9.89E-09	1.26E-06	1.40E-06	1.89E-04	8.87E-05	4.36E-03	9.44E-05	5.13E-05	4.59E-03	8.44E-05	8.17E-09	1.26E-06	1.40E-06	8.71E-05
1389	494027.33	3860552.55	1.87E-04	9.80E-09	1.27E-06	1.39E-06	1.89E-04	8.87E-05	4.32E-03	9.50E-05	5.11E-05	4.55E-03	8.44E-05	8.10E-09	1.27E-06	1.39E-06	8.71E-05
1390	493627.33	3860602.55	1.78E-04	1.04E-08	1.15E-06	1.41E-06	1.81E-04	8.48E-05	4.59E-03	8.60E-05	5.17E-05	4.81E-03	8.07E-05	8.60E-09	1.15E-06	1.41E-06	8.33E-05
1391	493727.33	3860602.55	1.79E-04	1.02E-08	1.15E-06	1.41E-06	1.81E-04	8.50E-05	4.50E-03	8.62E-05	5.15E-05	4.72E-03	8.09E-05	8.44E-09	1.15E-06	1.41E-06	8.35E-05
1392	493777.33	3860602.55	1.80E-04	1.01E-08	1.16E-06	1.39E-06	1.82E-04	8.55E-05	4.46E-03	8.72E-05	5.11E-05	4.68E-03	8.14E-05	8.36E-09	1.16E-06	1.39E-06	8.39E-05
1393	493827.33	3860602.55	1.80E-04	1.00E-08	1.17E-06	1.39E-06	1.83E-04	8.57E-05	4.42E-03	8.78E-05	5.09E-05	4.64E-03	8.16E-05	8.28E-09	1.17E-06	1.39E-06	8.41E-05
1394	493877.33	3860602.55	1.81E-04	9.93E-09	1.18E-06	1.38E-06	1.84E-04	8.61E-05	4.37E-03	8.87E-05	5.06E-05	4.60E-03	8.19E-05	8.20E-09	1.18E-06	1.38E-06	8.45E-05
1395	493927.33	3860602.55	1.82E-04	9.84E-09	1.19E-06	1.37E-06	1.84E-04	8.64E-05	4.33E-03	8.95E-05	5.03E-05	4.56E-03	8.22E-05	8.13E-09	1.19E-06	1.37E-06	8.47E-05
1396	493977.33	3860602.55	1.82E-04	9.74E-09	1.21E-06	1.36E-06	1.85E-04	8.66E-05	4.29E-03	9.04E-05	5.00E-05	4.52E-03	8.24E-05	8.04E-09	1.21E-06	1.36E-06	8.50E-05
1397	494027.33	3860602.55	1.82E-04	9.66E-09	1.21E-06	1.36E-06	1.85E-04	8.66E-05	4.25E-03	9.08E-05	4.99E-05	4.48E-03	8.24E-05	7.98E-09	1.21E-06	1.36E-06	8.50E-05
1398	493627.33	3860652.55	1.73E-04	1.02E-08	1.10E-06	1.37E-06	1.76E-04	8.24E-05	4.50E-03	8.27E-05	5.03E-05	4.72E-03	7.84E-05	8.45E-09	1.10E-06	1.37E-06	8.09E-05
1399	493727.33	3860652.55	1.74E-04	1.00E-08	1.10E-06	1.36E-06	1.76E-04	8.27E-05	4.42E-03	8.29E-05	4.99E-05	4.64E-03	7.87E-05	8.29E-09	1.10E-06	1.36E-06	8.11E-05

1400	493777.33	3860652.55	1.75E-04	9.95E-09	1.11E-06	1.36E-06	1.77E-04	8.31E-05	4.38E-03	8.36E-05	4.98E-05	4.60E-03	7.91E-05	8.21E-09	1.11E-06	1.36E-06	8.16E-05
1401	493827.33	3860652.55	1.76E-04	9.85E-09	1.12E-06	1.35E-06	1.78E-04	8.35E-05	4.34E-03	8.43E-05	4.95E-05	4.56E-03	7.94E-05	8.14E-09	1.12E-06	1.35E-06	8.19E-05
1402	493877.33	3860652.55	1.77E-04	9.76E-09	1.14E-06	1.34E-06	1.79E-04	8.39E-05	4.30E-03	8.52E-05	4.93E-05	4.52E-03	7.99E-05	8.06E-09	1.14E-06	1.34E-06	8.23E-05
1403	493927.33	3860652.55	1.77E-04	9.67E-09	1.14E-06	1.34E-06	1.80E-04	8.42E-05	4.26E-03	8.58E-05	4.90E-05	4.48E-03	8.01E-05	7.99E-09	1.14E-06	1.34E-06	8.26E-05
1404	493977.33	3860652.55	1.78E-04	9.58E-09	1.15E-06	1.33E-06	1.80E-04	8.44E-05	4.22E-03	8.64E-05	4.88E-05	4.44E-03	8.03E-05	7.92E-09	1.15E-06	1.33E-06	8.28E-05
1405	494027.33	3860652.55	1.78E-04	9.50E-09	1.16E-06	1.32E-06	1.81E-04	8.47E-05	4.18E-03	8.73E-05	4.85E-05	4.40E-03	8.06E-05	7.84E-09	1.16E-06	1.32E-06	8.31E-05
1406	494311.06	3858401.99	2.41E-04	4.96E-09	4.31E-06	2.15E-06	2.47E-04	1.15E-04	2.19E-03	3.23E-04	7.87E-05	2.70E-03	1.09E-04	4.10E-09	4.31E-06	2.15E-06	1.15E-04
1407	494361.06	3858401.99	2.37E-04	4.88E-09	4.24E-06	2.13E-06	2.43E-04	1.13E-04	2.15E-03	3.18E-04	7.80E-05	2.66E-03	1.07E-04	4.03E-09	4.24E-06	2.13E-06	1.14E-04
1408	494411.06	3858401.99	2.34E-04	4.82E-09	4.20E-06	2.11E-06	2.41E-04	1.11E-04	2.12E-03	3.15E-04	7.74E-05	2.63E-03	1.06E-04	3.98E-09	4.20E-06	2.11E-06	1.12E-04
1409	494461.06	3858401.99	2.33E-04	4.79E-09	4.17E-06	2.10E-06	2.40E-04	1.11E-04	2.11E-03	3.13E-04	7.69E-05	2.61E-03	1.06E-04	3.96E-09	4.17E-06	2.10E-06	1.12E-04
1410	494511.06	3858401.99	2.30E-04	4.73E-09	4.12E-06	2.08E-06	2.37E-04	1.10E-04	2.08E-03	3.09E-04	7.64E-05	2.58E-03	1.04E-04	3.91E-09	4.12E-06	2.08E-06	1.10E-04
1411	494561.06	3858401.99	2.29E-04	4.70E-09	4.09E-06	2.07E-06	2.35E-04	1.09E-04	2.07E-03	3.07E-04	7.60E-05	2.56E-03	1.04E-04	3.88E-09	4.09E-06	2.07E-06	1.10E-04
1412	494611.06	3858401.99	2.26E-04	4.63E-09	4.04E-06	2.06E-06	2.32E-04	1.08E-04	2.04E-03	3.03E-04	7.54E-05	2.53E-03	1.02E-04	3.83E-09	4.04E-06	2.06E-06	1.08E-04
1413	494661.06	3858401.99	2.24E-04	4.58E-09	4.00E-06	2.04E-06	2.30E-04	1.06E-04	2.02E-03	3.00E-04	7.49E-05	2.50E-03	1.01E-04	3.78E-09	4.00E-06	2.04E-06	1.07E-04
1414	494711.06	3858401.99	2.20E-04	4.51E-09	3.94E-06	2.02E-06	2.26E-04	1.04E-04	1.98E-03	2.95E-04	7.42E-05	2.46E-03	9.94E-05	3.72E-09	3.94E-06	2.02E-06	1.05E-04
1415	494761.06	3858401.99	2.18E-04	4.46E-09	3.91E-06	2.01E-06	2.24E-04	1.04E-04	1.97E-03	2.93E-04	7.38E-05	2.44E-03	9.86E-05	3.69E-09	3.91E-06	2.01E-06	1.05E-04
1416	494811.06	3858401.99	2.15E-04	4.40E-09	3.86E-06	2.00E-06	2.21E-04	1.02E-04	1.94E-03	2.90E-04	7.32E-05	2.40E-03	9.73E-05	3.64E-09	3.86E-06	2.00E-06	1.03E-04
1417	494861.06	3858401.99	2.13E-04	4.35E-09	3.82E-06	1.98E-06	2.18E-04	1.01E-04	1.92E-03	2.87E-04	7.27E-05	2.38E-03	9.62E-05	3.59E-09	3.82E-06	1.98E-06	1.02E-04
1418	494911.06	3858401.99	2.10E-04	4.30E-09	3.79E-06	1.97E-06	2.16E-04	9.99E-05	1.89E-03	2.84E-04	7.22E-05	2.35E-03	9.51E-05	3.55E-09	3.79E-06	1.97E-06	1.01E-04
1419	494961.06	3858401.99	2.08E-04	4.25E-09	3.75E-06	1.95E-06	2.13E-04	9.87E-05	1.87E-03	2.81E-04	7.17E-05	2.32E-03	9.39E-05	3.51E-09	3.75E-06	1.95E-06	9.96E-05
1420	495011.06	3858401.99	2.04E-04	4.18E-09	3.70E-06	1.94E-06	2.10E-04	9.70E-05	1.84E-03	2.77E-04	7.10E-05	2.29E-03	9.23E-05	3.45E-09	3.70E-06	1.94E-06	9.80E-05
1421	495061.06	3858401.99	2.01E-04	4.13E-09	3.65E-06	1.92E-06	2.07E-04	9.58E-05	1.82E-03	2.74E-04	7.05E-05	2.26E-03	9.11E-05	3.41E-09	3.65E-06	1.92E-06	9.67E-05
1422	495111.06	3858401.99	1.96E-04	4.03E-09	3.59E-06	1.90E-06	2.02E-04	9.33E-05	1.78E-03	2.70E-04	6.97E-05	2.21E-03	8.88E-05	3.33E-09	3.59E-06	1.90E-06	9.43E-05
1423	495161.06	3858401.99	1.96E-04	4.01E-09	3.57E-06	1.89E-06	2.01E-04	9.30E-05	1.77E-03	2.68E-04	6.94E-05	2.20E-03	8.85E-05	3.31E-09	3.57E-06	1.89E-06	9.40E-05
1424	495211.06	3858401.99	1.91E-04	3.93E-09	3.52E-06	1.87E-06	1.96E-04	9.08E-05	1.73E-03	2.64E-04	6.87E-05	2.15E-03	8.64E-05	3.25E-09	3.52E-06	1.87E-06	9.18E-05
1425	495261.06	3858401.99	1.89E-04	3.88E-09	3.49E-06	1.86E-06	1.94E-04	8.97E-05	1.71E-03	2.62E-04	6.83E-05	2.13E-03	8.54E-05	3.21E-09	3.49E-06	1.86E-06	9.07E-05
1426	495311.06	3858401.99	1.86E-04	3.83E-09	3.45E-06	1.85E-06	1.92E-04	8.86E-05	1.69E-03	2.59E-04	6.78E-05	2.10E-03	8.43E-05	3.17E-09	3.45E-06	1.85E-06	8.96E-05
1427	495361.06	3858401.99	1.85E-04	3.80E-09	3.43E-06	1.84E-06	1.90E-04	8.78E-05	1.67E-03	2.57E-04	6.73E-05	2.08E-03	8.36E-05	3.14E-09	3.43E-06	1.84E-06	8.89E-05
1428	495411.06	3858401.99	1.84E-04	3.77E-09	3.41E-06	1.83E-06	1.89E-04	8.75E-05	1.66E-03	2.56E-04	6.70E-05	2.07E-03	8.33E-05	3.12E-09	3.41E-06	1.83E-06	8.85E-05
1429	495461.06	3858401.99	1.84E-04	3.76E-09	3.39E-06	1.82E-06	1.89E-04	8.73E-05	1.65E-03	2.54E-04	6.67E-05	2.06E-03	8.31E-05	3.10E-09	3.39E-06	1.82E-06	8.83E-05
1430	495511.06	3858401.99	1.83E-04	3.73E-09	3.37E-06	1.81E-06	1.88E-04	8.70E-05	1.64E-03	2.53E-04	6.64E-05	2.05E-03	8.28E-05	3.08E-09	3.37E-06	1.81E-06	8.80E-05
1431	495561.06	3858401.99	1.82E-04	3.69E-09	3.35E-06	1.80E-06	1.87E-04	8.63E-05	1.63E-03	2.52E-04	6.61E-05	2.03E-03	8.21E-05	3.05E-09	3.35E-06	1.80E-06	8.73E-05
1432	495611.06	3858401.99	1.81E-04	3.67E-09	3.34E-06	1.79E-06	1.86E-04	8.61E-05	1.62E-03	2.50E-04	6.57E-05	2.02E-03	8.19E-05	3.03E-09	3.34E-06	1.79E-06	8.70E-05
1433	495661.06	3858401.99	1.82E-04	3.68E-09	3.32E-06	1.79E-06	1.87E-04	8.64E-05	1.62E-03	2.49E-04	6.55E-05	2.02E-03	8.22E-05	3.04E-09	3.32E-06	1.79E-06	8.73E-05
1434	494311.06	3858451.99	2.45E-04	5.14E-09	4.32E-06	2.17E-06	2.52E-04	1.17E-04	2.26E-03	3.24E-04	7.95E-05	2.78E-03	1.11E-04	4.24E-09	4.32E-06	2.17E-06	1.17E-04
1435	494361.06	3858451.99	2.42E-04	5.07E-09	4.25E-06	2.15E-06	2.48E-04	1.15E-04	2.23E-03	3.18E-04	7.88E-05	2.74E-03	1.09E-04	4.18E-09	4.25E-06	2.15E-06	1.16E-04
1436	494411.06	3858451.99	2.39E-04	5.01E-09	4.20E-06	2.13E-06	2.46E-04	1.14E-04	2.20E-03	3.15E-04	7.82E-05	2.71E-03	1.08E-04	4.13E-09	4.20E-06	2.13E-06	1.15E-04
1437	494461.06	3858451.99	2.37E-04	4.95E-09	4.15E-06	2.12E-06	2.43E-04	1.13E-04	2.18E-03	3.11E-04	7.76E-05	2.68E-03	1.07E-04	4.09E-09	4.15E-06	2.12E-06	1.14E-04
1438	494511.06	3858451.99	2.36E-04	4.91E-09	4.12E-06	2.11E-06	2.42E-04	1.12E-04	2.16E-03	3.09E-04	7.72E-05	2.66E-03	1.07E-04	4.06E-09	4.12E-06	2.11E-06	1.13E-04
1439	494561.06	3858451.99	2.33E-04	4.85E-09	4.07E-06	2.09E-06	2.39E-04	1.11E-04	2.13E-03	3.05E-04	7.66E-05	2.63E-03	1.05E-04	4.00E-09	4.07E-06	2.09E-06	1.11E-04
1440	494611.06	3858451.99	2.31E-04	4.80E-09	4.02E-06	2.07E-06	2.37E-04	1.10E-04	2.11E-03	3.02E-04	7.60E-05	2.60E-03	1.04E-04	3.96E-09	4.02E-06	2.07E-06	1.10E-04
1441	494661.06	3858451.99	2.28E-04	4.74E-09	3.98E-06	2.06E-06	2.34E-04	1.08E-04	2.09E-03	2.98E-04	7.55E-05	2.57E-03	1.03E-04	3.92E-09	3.98E-06	2.06E-06	1.09E-04
1442	494711.06	3858451.99	2.25E-04	4.67E-09	3.93E-06	2.04E-06	2.31E-04	1.07E-04	2.06E-03	2.95E-04	7.49E-05	2.53E-03	1.02E-04	3.86E-09	3.93E-06	2.04E-06	1.08E-04
1443	494761.06	3858451.99	2.22E-04	4.60E-09	3.88E-06	2.03E-06	2.28E-04	1.05E-04	2.03E-03	2.91E-04	7.43E-05	2.50E-03	1.00E-04	3.80E-09	3.88E-06	2.03E-06	1.06E-04
1444	494811.06	3858451.99	2.19E-04	4.55E-09	3.84E-06	2.01E-06	2.25E-04	1.04E-04	2.00E-03	2.88E-04	7.37E-05	2.47E-03	9.91E-05	3.76E-09	3.84E-06	2.01E-06	1.05E-04
1445	494861.06	3858451.99	2.16E-04	4.49E-09	3.79E-06	2.00E-06	2.22E-04	1.03E-04	1.98E-03	2.84E-04	7.32E-05	2.44E-03	9.77E-05	3.71E-09	3.79E-06	2.00E-06	1.03E-04
1446	494911.06	3858451.99	2.12E-04	4.41E-09	3.75E-06	1.98E-06	2.18E-04	1.01E-04	1.94E-03	2.81E-04	7.27E-05	2.40E-03	9.61E-05	3.64E-09	3.75E-06	1.98E-06	1.02E-04
1447	494961.06	3858451.99	2.09E-04	4.35E-09	3.70E-06	1.96E-06	2.15E-04	9.94E-05	1.91E-03	2.77E-04	7.19E-05	2.36E-03	9.45E-05	3.59E-09	3.70E-06	1.96E-06	1.00E-04
1448	495011.06	3858451.99	2.05E-04	4.28E-09	3.65E-06	1.95E-06	2.11E-04	9.76E-05	1.88E-03	2.74E-04	7.13E-05	2.33E-03	9.29E-05	3.53E-09	3.65E-06	1.95E-06	9.85E-05
1449	495061.06	3858451.99	2.04E-04	4.24E-09	3.62E-06	1.93E-06	2.09E-04	9.69E-05	1.87E-03	2.72E-04	7.09E-05	2.31E-03	9.22E-05	3.50E-09	3.62E-06	1.93E-06	9.78E-05
1450	495111.06	3858451.99	2.00E-04	4.17E-09	3.57E-06	1.92E-06	2.06E-04	9.52E-05	1.84E-03	2.68E-04	7.03E-05	2.27E-03	9.06E-05	3.44E-09	3.57E-06	1.92E-06	9.61E-05
1451	495161.06	3858451.99	1.96E-04	4.09E-09	3.51E-06	1.90E-06	2.02E-04	9.33E-05	1.80E-03	2.63E-04	6.96E-05	2.23E-03	8.88E-05	3.38E-09	3.51E-06	1.90E-06	9.42E-05
1452	495211.06	3858451.99	1.93E-04	4.02E-09	3.47E-06	1.88E-06	1.98E-04	9.16E-05	1.77E-03	2.60E-04	6.89E-05	2.19E-03	8.72E-05	3.32E-09	3.47E-06	1.88E-06	9.25E-05
1453	495261.06	3858451.99	1.91E-04	3.97E-09	3.44E-06	1.87E-06	1.96E-04	9.06E-05	1.75E-03	2.58E-04	6.85E-05	2.17E-03	8.62E-05	3.28E-09	3.44E-06	1.87E-06	9.15E-05
1454	495311.06	3858451.99	1.89E-04	3.93E-09	3.41E-06	1.85E-06	1.94E-04	8.98E-05	1.73E-03	2.56E-04	6.80E-05	2.15E-03	8.54E-05	3.25E-09	3.41E-06	1.85E-06	9.07E-05
1455	495361.06	3858451.99	1.87E-04	3.90E-09	3.39E-06	1.84E-06	1.92E-04	8.90E-05	1.72E-03	2.54E-04	6.76E-05	2.13E-03	8.47E-05	3.22E-09	3.39E-06	1.84E-06	8.99E-05
1456	495411.06	3858451.99	1.87E-04	3.88E-09	3.37E-06	1.83E-06	1.92E-04	8.88E-05	1.71E-03	2.53E-04	6.73E-05	2.12E-03	8.45E-05	3.20E-09	3.37E-06	1.83E-06	8.97E-05
1457	495461.06	3858451.99	1.86E-04	3.86E-09	3.35E-06	1.83E-06	1.92E-04	8.86E-05	1.70E-03	2.52E-04	6.70E-05	2.11E-03	8.43E-05	3.19E-09	3.35E-06	1.83E-06	8.95E-05
1458	495511.06	3858451.99	1.85E-04	3.82E-09	3.33E-06	1.81E-06	1.90E-04	8.78E-05	1.68E-03	2.50E-04	6.65E-05	2.09E-03	8.36E-05	3.16E-09	3.33E-06	1.81E-06	8.87E-05
1459	495561.06	3858451.99	1.85E-04	3.82E-09	3.32E-06	1.81E-06	1.90E-04	8.81E-05	1.68E-03	2.49E-04	6.63E-05	2.08E-03	8.38E-05	3.15E-09	3.32E-06	1.81E-06	8.89E-05
1460	495611.06	3858451.99	1.83E-04	3.77E-09	3.29E-06	1.80E-06	1.88E-04	8.70E-05	1.66E-03	2.47E-04	6.58E-05	2.06E-03	8.28E-05	3.11E-09	3.29E-06	1.80E-06	8.79E-05

1461	495661.06	3858451.99	1.83E-04	3.76E-09	3.27E-06	1.79E-06	1.88E-04	8.70E-05	1.65E-03	2.46E-04	6.55E-05	2.05E-03	8.28E-05	3.10E-09	3.27E-06	1.79E-06	8.79E-05
1462	494311.06	3858501.99	2.45E-04	5.24E-09	4.27E-06	2.18E-06	2.51E-04	1.16E-04	2.31E-03	3.20E-04	7.98E-05	2.83E-03	1.11E-04	4.33E-09	4.27E-06	2.18E-06	1.17E-04
1463	494361.06	3858501.99	2.43E-04	5.19E-09	4.23E-06	2.16E-06	2.49E-04	1.16E-04	2.29E-03	3.17E-04	7.93E-05	2.80E-03	1.10E-04	4.29E-09	4.23E-06	2.16E-06	1.16E-04
1464	494411.06	3858501.99	2.41E-04	5.13E-09	4.18E-06	2.15E-06	2.47E-04	1.14E-04	2.26E-03	3.14E-04	7.87E-05	2.77E-03	1.09E-04	4.24E-09	4.18E-06	2.15E-06	1.15E-04
1465	494461.06	3858501.99	2.39E-04	5.09E-09	4.14E-06	2.13E-06	2.46E-04	1.14E-04	2.24E-03	3.11E-04	7.82E-05	2.74E-03	1.08E-04	4.20E-09	4.14E-06	2.13E-06	1.15E-04
1466	494511.06	3858501.99	2.36E-04	5.02E-09	4.08E-06	2.11E-06	2.42E-04	1.12E-04	2.21E-03	3.06E-04	7.75E-05	2.71E-03	1.07E-04	4.14E-09	4.08E-06	2.11E-06	1.13E-04
1467	494561.06	3858501.99	2.37E-04	5.01E-09	4.07E-06	2.11E-06	2.43E-04	1.13E-04	2.21E-03	3.05E-04	7.73E-05	2.70E-03	1.07E-04	4.14E-09	4.07E-06	2.11E-06	1.13E-04
1468	494611.06	3858501.99	2.34E-04	4.94E-09	4.01E-06	2.09E-06	2.40E-04	1.11E-04	2.18E-03	3.01E-04	7.67E-05	2.67E-03	1.06E-04	4.08E-09	4.01E-06	2.09E-06	1.12E-04
1469	494661.06	3858501.99	2.32E-04	4.90E-09	3.97E-06	2.08E-06	2.38E-04	1.10E-04	2.16E-03	2.98E-04	7.61E-05	2.64E-03	1.05E-04	4.05E-09	3.97E-06	2.08E-06	1.11E-04
1470	494711.06	3858501.99	2.29E-04	4.83E-09	3.92E-06	2.06E-06	2.35E-04	1.09E-04	2.13E-03	2.94E-04	7.55E-05	2.60E-03	1.04E-04	3.99E-09	3.92E-06	2.06E-06	1.10E-04
1471	494761.06	3858501.99	2.25E-04	4.75E-09	3.86E-06	2.04E-06	2.31E-04	1.07E-04	2.09E-03	2.90E-04	7.48E-05	2.56E-03	1.02E-04	3.92E-09	3.86E-06	2.04E-06	1.08E-04
1472	494811.06	3858501.99	2.22E-04	4.67E-09	3.81E-06	2.02E-06	2.27E-04	1.05E-04	2.06E-03	2.86E-04	7.41E-05	2.52E-03	1.00E-04	3.86E-09	3.81E-06	2.02E-06	1.06E-04
1473	494861.06	3858501.99	2.19E-04	4.62E-09	3.77E-06	2.01E-06	2.25E-04	1.04E-04	2.03E-03	2.83E-04	7.36E-05	2.49E-03	9.92E-05	3.82E-09	3.77E-06	2.01E-06	1.05E-04
1474	494911.06	3858501.99	2.14E-04	4.52E-09	3.70E-06	1.99E-06	2.20E-04	1.02E-04	1.99E-03	2.78E-04	7.28E-05	2.45E-03	9.69E-05	3.74E-09	3.70E-06	1.99E-06	1.03E-04
1475	494961.06	3858501.99	2.12E-04	4.47E-09	3.66E-06	1.97E-06	2.17E-04	1.01E-04	1.97E-03	2.75E-04	7.23E-05	2.42E-03	9.58E-05	3.69E-09	3.66E-06	1.97E-06	1.01E-04
1476	495011.06	3858501.99	2.07E-04	4.39E-09	3.61E-06	1.95E-06	2.13E-04	9.86E-05	1.93E-03	2.71E-04	7.16E-05	2.37E-03	9.39E-05	3.62E-09	3.61E-06	1.95E-06	9.94E-05
1477	495061.06	3858501.99	2.06E-04	4.35E-09	3.58E-06	1.94E-06	2.11E-04	9.79E-05	1.91E-03	2.68E-04	7.12E-05	2.35E-03	9.32E-05	3.59E-09	3.58E-06	1.94E-06	9.87E-05
1478	495111.06	3858501.99	2.01E-04	4.25E-09	3.52E-06	1.92E-06	2.06E-04	9.54E-05	1.87E-03	2.64E-04	7.04E-05	2.30E-03	9.08E-05	3.51E-09	3.52E-06	1.92E-06	9.62E-05
1479	495161.06	3858501.99	1.97E-04	4.18E-09	3.48E-06	1.90E-06	2.03E-04	9.39E-05	1.84E-03	2.61E-04	6.98E-05	2.27E-03	8.93E-05	3.46E-09	3.48E-06	1.90E-06	9.47E-05
1480	495211.06	3858501.99	1.94E-04	4.12E-09	3.43E-06	1.89E-06	2.00E-04	9.24E-05	1.81E-03	2.57E-04	6.92E-05	2.23E-03	8.79E-05	3.40E-09	3.43E-06	1.89E-06	9.32E-05
1481	495261.06	3858501.99	1.92E-04	4.07E-09	3.39E-06	1.87E-06	1.97E-04	9.14E-05	1.79E-03	2.54E-04	6.87E-05	2.21E-03	8.70E-05	3.36E-09	3.39E-06	1.87E-06	9.22E-05
1482	495311.06	3858501.99	1.91E-04	4.04E-09	3.37E-06	1.86E-06	1.96E-04	9.09E-05	1.78E-03	2.53E-04	6.83E-05	2.19E-03	8.65E-05	3.34E-09	3.37E-06	1.86E-06	9.17E-05
1483	495361.06	3858501.99	1.90E-04	4.01E-09	3.35E-06	1.85E-06	1.95E-04	9.04E-05	1.77E-03	2.51E-04	6.79E-05	2.18E-03	8.60E-05	3.31E-09	3.35E-06	1.85E-06	9.12E-05
1484	495411.06	3858501.99	1.90E-04	3.98E-09	3.33E-06	1.84E-06	1.95E-04	9.01E-05	1.75E-03	2.50E-04	6.75E-05	2.16E-03	8.58E-05	3.29E-09	3.33E-06	1.84E-06	9.09E-05
1485	495461.06	3858501.99	1.89E-04	3.96E-09	3.31E-06	1.83E-06	1.94E-04	8.99E-05	1.74E-03	2.48E-04	6.72E-05	2.15E-03	8.55E-05	3.27E-09	3.31E-06	1.83E-06	9.07E-05
1486	495511.06	3858501.99	1.88E-04	3.93E-09	3.29E-06	1.82E-06	1.93E-04	8.94E-05	1.73E-03	2.47E-04	6.68E-05	2.13E-03	8.51E-05	3.25E-09	3.29E-06	1.82E-06	9.02E-05
1487	495561.06	3858501.99	1.88E-04	3.93E-09	3.28E-06	1.82E-06	1.94E-04	8.96E-05	1.73E-03	2.46E-04	6.66E-05	2.13E-03	8.53E-05	3.24E-09	3.28E-06	1.82E-06	9.04E-05
1488	495611.06	3858501.99	1.87E-04	3.89E-09	3.27E-06	1.81E-06	1.92E-04	8.91E-05	1.71E-03	2.45E-04	6.63E-05	2.11E-03	8.48E-05	3.21E-09	3.27E-06	1.81E-06	8.98E-05
1489	495661.06	3858501.99	1.87E-04	3.87E-09	3.24E-06	1.80E-06	1.92E-04	8.87E-05	1.70E-03	2.43E-04	6.58E-05	2.10E-03	8.44E-05	3.20E-09	3.24E-06	1.80E-06	8.95E-05
1490	494311.06	3858551.99	2.40E-04	5.27E-09	4.22E-06	2.18E-06	2.47E-04	1.14E-04	2.32E-03	3.17E-04	8.00E-05	2.83E-03	1.09E-04	4.35E-09	4.22E-06	2.18E-06	1.15E-04
1491	494361.06	3858551.99	2.43E-04	5.28E-09	4.24E-06	2.18E-06	2.49E-04	1.15E-04	2.32E-03	3.18E-04	7.98E-05	2.84E-03	1.10E-04	4.36E-09	4.24E-06	2.18E-06	1.16E-04
1492	494411.06	3858551.99	2.44E-04	5.29E-09	4.20E-06	2.16E-06	2.50E-04	1.16E-04	2.33E-03	3.15E-04	7.94E-05	2.84E-03	1.10E-04	4.37E-09	4.20E-06	2.16E-06	1.17E-04
1493	494461.06	3858551.99	2.43E-04	5.26E-09	4.18E-06	2.15E-06	2.50E-04	1.16E-04	2.32E-03	3.13E-04	7.90E-05	2.82E-03	1.10E-04	4.34E-09	4.18E-06	2.15E-06	1.16E-04
1494	494511.06	3858551.99	2.42E-04	5.21E-09	4.13E-06	2.14E-06	2.48E-04	1.15E-04	2.30E-03	3.10E-04	7.85E-05	2.80E-03	1.09E-04	4.30E-09	4.13E-06	2.14E-06	1.16E-04
1495	494561.06	3858551.99	2.40E-04	5.17E-09	4.10E-06	2.13E-06	2.47E-04	1.14E-04	2.28E-03	3.08E-04	7.80E-05	2.78E-03	1.09E-04	4.27E-09	4.10E-06	2.13E-06	1.15E-04
1496	494611.06	3858551.99	2.38E-04	5.11E-09	4.05E-06	2.11E-06	2.44E-04	1.13E-04	2.25E-03	3.04E-04	7.74E-05	2.75E-03	1.08E-04	4.22E-09	4.05E-06	2.11E-06	1.14E-04
1497	494661.06	3858551.99	2.36E-04	5.06E-09	4.00E-06	2.10E-06	2.42E-04	1.12E-04	2.23E-03	3.00E-04	7.69E-05	2.72E-03	1.07E-04	4.18E-09	4.00E-06	2.10E-06	1.13E-04
1498	494711.06	3858551.99	2.33E-04	4.98E-09	3.94E-06	2.08E-06	2.39E-04	1.11E-04	2.19E-03	2.96E-04	7.61E-05	2.68E-03	1.05E-04	4.11E-09	3.94E-06	2.08E-06	1.11E-04
1499	494761.06	3858551.99	2.29E-04	4.90E-09	3.87E-06	2.06E-06	2.35E-04	1.09E-04	2.16E-03	2.91E-04	7.54E-05	2.63E-03	1.04E-04	4.05E-09	3.87E-06	2.06E-06	1.09E-04
1500	494811.06	3858551.99	2.26E-04	4.84E-09	3.81E-06	2.04E-06	2.32E-04	1.07E-04	2.13E-03	2.86E-04	7.48E-05	2.60E-03	1.02E-04	3.99E-09	3.81E-06	2.04E-06	1.08E-04
1501	494861.06	3858551.99	2.22E-04	4.76E-09	3.76E-06	2.02E-06	2.28E-04	1.06E-04	2.10E-03	2.82E-04	7.41E-05	2.56E-03	1.01E-04	3.93E-09	3.76E-06	2.02E-06	1.06E-04
1502	494911.06	3858551.99	2.18E-04	4.67E-09	3.69E-06	2.00E-06	2.24E-04	1.04E-04	2.06E-03	2.77E-04	7.33E-05	2.51E-03	9.86E-05	3.86E-09	3.69E-06	2.00E-06	1.04E-04
1503	494961.06	3858551.99	2.15E-04	4.60E-09	3.64E-06	1.98E-06	2.20E-04	1.02E-04	2.02E-03	2.73E-04	7.27E-05	2.47E-03	9.71E-05	3.80E-09	3.64E-06	1.98E-06	1.03E-04
1504	495011.06	3858551.99	2.10E-04	4.51E-09	3.58E-06	1.96E-06	2.16E-04	9.99E-05	1.99E-03	2.69E-04	7.20E-05	2.43E-03	9.51E-05	3.72E-09	3.58E-06	1.96E-06	1.01E-04
1505	495061.06	3858551.99	2.07E-04	4.45E-09	3.54E-06	1.95E-06	2.13E-04	9.86E-05	1.96E-03	2.66E-04	7.14E-05	2.40E-03	9.39E-05	3.68E-09	3.54E-06	1.95E-06	9.93E-05
1506	495111.06	3858551.99	2.02E-04	4.35E-09	3.48E-06	1.93E-06	2.08E-04	9.61E-05	1.92E-03	2.61E-04	7.06E-05	2.34E-03	9.15E-05	3.59E-09	3.48E-06	1.93E-06	9.69E-05
1507	495161.06	3858551.99	1.99E-04	4.28E-09	3.43E-06	1.91E-06	2.04E-04	9.46E-05	1.89E-03	2.58E-04	7.00E-05	2.31E-03	9.00E-05	3.54E-09	3.43E-06	1.91E-06	9.54E-05
1508	495211.06	3858551.99	1.96E-04	4.22E-09	3.40E-06	1.89E-06	2.01E-04	9.32E-05	1.86E-03	2.55E-04	6.94E-05	2.28E-03	8.87E-05	3.49E-09	3.40E-06	1.89E-06	9.40E-05
1509	495261.06	3858551.99	1.94E-04	4.18E-09	3.37E-06	1.88E-06	2.00E-04	9.24E-05	1.84E-03	2.53E-04	6.90E-05	2.25E-03	8.79E-05	3.45E-09	3.37E-06	1.88E-06	9.32E-05
1510	495311.06	3858551.99	1.94E-04	4.15E-09	3.35E-06	1.87E-06	1.99E-04	9.20E-05	1.83E-03	2.51E-04	6.86E-05	2.24E-03	8.76E-05	3.43E-09	3.35E-06	1.87E-06	9.28E-05
1511	495361.06	3858551.99	1.93E-04	4.12E-09	3.33E-06	1.86E-06	1.98E-04	9.16E-05	1.81E-03	2.50E-04	6.82E-05	2.22E-03	8.71E-05	3.40E-09	3.33E-06	1.86E-06	9.23E-05
1512	495411.06	3858551.99	1.92E-04	4.10E-09	3.31E-06	1.85E-06	1.98E-04	9.15E-05	1.80E-03	2.48E-04	6.79E-05	2.21E-03	8.70E-05	3.38E-09	3.31E-06	1.85E-06	9.22E-05
1513	495461.06	3858551.99	1.92E-04	4.07E-09	3.29E-06	1.84E-06	1.97E-04	9.11E-05	1.79E-03	2.47E-04	6.75E-05	2.20E-03	8.67E-05	3.36E-09	3.29E-06	1.84E-06	9.18E-05
1514	495511.06	3858551.99	1.91E-04	4.05E-09	3.28E-06	1.83E-06	1.97E-04	9.10E-05	1.78E-03	2.46E-04	6.72E-05	2.19E-03	8.66E-05	3.35E-09	3.28E-06	1.83E-06	9.17E-05
1515	495561.06	3858551.99	1.91E-04	4.03E-09	3.26E-06	1.82E-06	1.96E-04	9.07E-05	1.77E-03	2.45E-04	6.68E-05	2.17E-03	8.63E-05	3.32E-09	3.26E-06	1.82E-06	9.14E-05
1516	495611.06	3858551.99	1.90E-04	3.99E-09	3.24E-06	1.81E-06	1.95E-04	9.02E-05	1.76E-03	2.43E-04	6.64E-05	2.16E-03	8.58E-05	3.30E-09	3.24E-06	1.81E-06	9.09E-05
1517	495661.06	3858551.99	1.88E-04	3.96E-09	3.21E-06	1.80E-06	1.93E-04	8.96E-05	1.74E-03	2.41E-04	6.60E-05	2.14E-03	8.53E-05	3.27E-09	3.21E-06	1.80E-06	9.03E-05
1518	494311.06	3858601.99	2.25E-04	5.14E-09	3.93E-06	2.14E-06	2.31E-04	1.07E-04	2.27E-03	2.95E-04	7.86E-05	2.75E-03	1.02E-04	4.25E-09	3.93E-06	2.14E-06	1.08E-04
1519	494361.06	3858601.99	2.39E-04	5.34E-09	4.17E-06	2.18E-06	2.46E-04	1.14E-04	2.35E-03	3.13E-04	7.99E-05	2.86E-03	1.08E-04	4.41E-09	4.17E-06	2.18E-06	1.15E-04
1520	494411.06	3858601.99	2.48E-04	5.47E-09	4.22E-06	2.19E-06	2.54E-04	1.18E-04	2.41E-03	3.16E-04	8.03E-05	2.92E-03	1.12E-04	4.52E-09	4.22E-06	2.19E-06	1.19E-04
1521	494461.06	3858601.99	2.47E-04	5.44E-09	4.19E-06	2.18E-06	2.54E-04	1.18E-04	2.40E-03	3.14E-04	7.99E-05	2.91E-03	1.12E-04	4.50E-09	4.19E-06	2.18E-06	1.18E-04

1522	494511.06	3858601.99	2.45E-04	5.36E-09	4.17E-06	2.17E-06	2.51E-04	1.16E-04	2.36E-03	3.12E-04	7.94E-05	2.87E-03	1.11E-04	4.42E-09	4.17E-06	2.17E-06	1.17E-04
1523	494561.06	3858601.99	2.45E-04	5.36E-09	4.13E-06	2.15E-06	2.51E-04	1.17E-04	2.36E-03	3.10E-04	7.89E-05	2.86E-03	1.11E-04	4.42E-09	4.13E-06	2.15E-06	1.17E-04
1524	494611.06	3858601.99	2.42E-04	5.28E-09	4.08E-06	2.13E-06	2.48E-04	1.15E-04	2.33E-03	3.06E-04	7.82E-05	2.83E-03	1.09E-04	4.36E-09	4.08E-06	2.13E-06	1.16E-04
1525	494661.06	3858601.99	2.40E-04	5.23E-09	4.04E-06	2.12E-06	2.46E-04	1.14E-04	2.30E-03	3.03E-04	7.76E-05	2.80E-03	1.09E-04	4.32E-09	4.04E-06	2.12E-06	1.15E-04
1526	494711.06	3858601.99	2.36E-04	5.14E-09	3.98E-06	2.09E-06	2.43E-04	1.12E-04	2.27E-03	2.99E-04	7.68E-05	2.75E-03	1.07E-04	4.25E-09	3.98E-06	2.09E-06	1.13E-04
1527	494761.06	3858601.99	2.33E-04	5.07E-09	3.91E-06	2.07E-06	2.39E-04	1.11E-04	2.23E-03	2.93E-04	7.61E-05	2.71E-03	1.05E-04	4.18E-09	3.91E-06	2.07E-06	1.11E-04
1528	494811.06	3858601.99	2.28E-04	4.95E-09	3.82E-06	2.05E-06	2.33E-04	1.08E-04	2.18E-03	2.87E-04	7.51E-05	2.65E-03	1.03E-04	4.09E-09	3.82E-06	2.05E-06	1.09E-04
1529	494861.06	3858601.99	2.25E-04	4.89E-09	3.77E-06	2.03E-06	2.31E-04	1.07E-04	2.15E-03	2.83E-04	7.45E-05	2.62E-03	1.02E-04	4.04E-09	3.77E-06	2.03E-06	1.08E-04
1530	494911.06	3858601.99	2.20E-04	4.79E-09	3.68E-06	2.01E-06	2.26E-04	1.05E-04	2.11E-03	2.76E-04	7.36E-05	2.56E-03	9.95E-05	3.95E-09	3.68E-06	2.01E-06	1.05E-04
1531	494961.06	3858601.99	2.16E-04	4.71E-09	3.63E-06	1.99E-06	2.22E-04	1.03E-04	2.07E-03	2.72E-04	7.30E-05	2.52E-03	9.79E-05	3.89E-09	3.63E-06	1.99E-06	1.04E-04
1532	495011.06	3858601.99	2.13E-04	4.63E-09	3.57E-06	1.97E-06	2.18E-04	1.01E-04	2.04E-03	2.68E-04	7.23E-05	2.48E-03	9.63E-05	3.83E-09	3.57E-06	1.97E-06	1.02E-04
1533	495061.06	3858601.99	2.09E-04	4.56E-09	3.51E-06	1.95E-06	2.15E-04	9.95E-05	2.01E-03	2.64E-04	7.16E-05	2.44E-03	9.46E-05	3.76E-09	3.51E-06	1.95E-06	1.00E-04
1534	495111.06	3858601.99	2.03E-04	4.45E-09	3.44E-06	1.93E-06	2.09E-04	9.67E-05	1.96E-03	2.58E-04	7.08E-05	2.38E-03	9.20E-05	3.67E-09	3.44E-06	1.93E-06	9.74E-05
1535	495161.06	3858601.99	2.01E-04	4.38E-09	3.40E-06	1.91E-06	2.06E-04	9.53E-05	1.93E-03	2.55E-04	7.02E-05	2.35E-03	9.07E-05	3.62E-09	3.40E-06	1.91E-06	9.60E-05
1536	495211.06	3858601.99	1.99E-04	4.34E-09	3.37E-06	1.90E-06	2.04E-04	9.45E-05	1.91E-03	2.53E-04	6.97E-05	2.33E-03	9.00E-05	3.58E-09	3.37E-06	1.90E-06	9.52E-05
1537	495261.06	3858601.99	1.97E-04	4.29E-09	3.34E-06	1.89E-06	2.02E-04	9.36E-05	1.89E-03	2.50E-04	6.92E-05	2.30E-03	8.91E-05	3.54E-09	3.34E-06	1.89E-06	9.43E-05
1538	495311.06	3858601.99	1.96E-04	4.25E-09	3.32E-06	1.87E-06	2.01E-04	9.30E-05	1.87E-03	2.49E-04	6.87E-05	2.28E-03	8.84E-05	3.51E-09	3.32E-06	1.87E-06	9.36E-05
1539	495361.06	3858601.99	1.95E-04	4.22E-09	3.30E-06	1.86E-06	2.00E-04	9.27E-05	1.86E-03	2.47E-04	6.84E-05	2.27E-03	8.82E-05	3.49E-09	3.30E-06	1.86E-06	9.33E-05
1540	495411.06	3858601.99	1.94E-04	4.20E-09	3.28E-06	1.85E-06	1.99E-04	9.24E-05	1.85E-03	2.46E-04	6.80E-05	2.25E-03	8.79E-05	3.47E-09	3.28E-06	1.85E-06	9.30E-05
1541	495461.06	3858601.99	1.94E-04	4.17E-09	3.26E-06	1.84E-06	1.99E-04	9.22E-05	1.84E-03	2.45E-04	6.76E-05	2.24E-03	8.77E-05	3.45E-09	3.26E-06	1.84E-06	9.28E-05
1542	495511.06	3858601.99	1.92E-04	4.14E-09	3.24E-06	1.83E-06	1.98E-04	9.15E-05	1.82E-03	2.43E-04	6.72E-05	2.22E-03	8.71E-05	3.42E-09	3.24E-06	1.83E-06	9.22E-05
1543	495561.06	3858601.99	1.93E-04	4.12E-09	3.23E-06	1.82E-06	1.98E-04	9.15E-05	1.81E-03	2.42E-04	6.69E-05	2.21E-03	8.71E-05	3.40E-09	3.23E-06	1.82E-06	9.22E-05
1544	495611.06	3858601.99	1.91E-04	4.08E-09	3.20E-06	1.81E-06	1.96E-04	9.07E-05	1.79E-03	2.40E-04	6.65E-05	2.19E-03	8.63E-05	3.37E-09	3.20E-06	1.81E-06	9.13E-05
1545	495661.06	3858601.99	1.90E-04	4.06E-09	3.19E-06	1.80E-06	1.95E-04	9.06E-05	1.79E-03	2.39E-04	6.61E-05	2.18E-03	8.62E-05	3.35E-09	3.19E-06	1.80E-06	9.12E-05
1546	494311.06	3858651.99	2.22E-04	5.19E-09	3.84E-06	2.14E-06	2.28E-04	1.05E-04	2.29E-03	2.88E-04	7.85E-05	2.76E-03	1.00E-04	4.29E-09	3.84E-06	2.14E-06	1.06E-04
1547	494361.06	3858651.99	2.35E-04	5.38E-09	4.09E-06	2.18E-06	2.42E-04	1.12E-04	2.37E-03	3.07E-04	7.98E-05	2.87E-03	1.06E-04	4.44E-09	4.09E-06	2.18E-06	1.13E-04
1548	494411.06	3858651.99	2.50E-04	5.60E-09	4.28E-06	2.21E-06	2.56E-04	1.19E-04	2.47E-03	3.21E-04	8.12E-05	2.99E-03	1.13E-04	4.63E-09	4.28E-06	2.21E-06	1.19E-04
1549	494461.06	3858651.99	2.50E-04	5.61E-09	4.20E-06	2.20E-06	2.57E-04	1.19E-04	2.47E-03	3.15E-04	8.06E-05	2.99E-03	1.13E-04	4.64E-09	4.20E-06	2.20E-06	1.20E-04
1550	494511.06	3858651.99	2.49E-04	5.56E-09	4.16E-06	2.18E-06	2.55E-04	1.18E-04	2.45E-03	3.12E-04	8.00E-05	2.96E-03	1.13E-04	4.59E-09	4.16E-06	2.18E-06	1.19E-04
1551	494561.06	3858651.99	2.48E-04	5.52E-09	4.13E-06	2.17E-06	2.54E-04	1.18E-04	2.43E-03	3.10E-04	7.95E-05	2.94E-03	1.12E-04	4.56E-09	4.13E-06	2.17E-06	1.18E-04
1552	494611.06	3858651.99	2.46E-04	5.47E-09	4.10E-06	2.15E-06	2.53E-04	1.17E-04	2.41E-03	3.07E-04	7.90E-05	2.91E-03	1.11E-04	4.52E-09	4.10E-06	2.15E-06	1.18E-04
1553	494661.06	3858651.99	2.43E-04	5.40E-09	4.05E-06	2.13E-06	2.50E-04	1.16E-04	2.38E-03	3.03E-04	7.83E-05	2.87E-03	1.10E-04	4.46E-09	4.05E-06	2.13E-06	1.16E-04
1554	494711.06	3858651.99	2.39E-04	5.30E-09	3.98E-06	2.11E-06	2.46E-04	1.14E-04	2.33E-03	2.99E-04	7.75E-05	2.82E-03	1.08E-04	4.38E-09	3.98E-06	2.11E-06	1.14E-04
1555	494761.06	3858651.99	2.36E-04	5.22E-09	3.93E-06	2.09E-06	2.42E-04	1.12E-04	2.30E-03	2.95E-04	7.68E-05	2.78E-03	1.07E-04	4.31E-09	3.93E-06	2.09E-06	1.13E-04
1556	494811.06	3858651.99	2.32E-04	5.12E-09	3.86E-06	2.07E-06	2.38E-04	1.10E-04	2.25E-03	2.90E-04	7.58E-05	2.73E-03	1.05E-04	4.23E-09	3.86E-06	2.07E-06	1.11E-04
1557	494861.06	3858651.99	2.27E-04	5.02E-09	3.78E-06	2.04E-06	2.33E-04	1.08E-04	2.21E-03	2.84E-04	7.50E-05	2.68E-03	1.03E-04	4.15E-09	3.78E-06	2.04E-06	1.09E-04
1558	494911.06	3858651.99	2.22E-04	4.92E-09	3.70E-06	2.02E-06	2.28E-04	1.06E-04	2.17E-03	2.78E-04	7.40E-05	2.62E-03	1.01E-04	4.06E-09	3.70E-06	2.02E-06	1.06E-04
1559	494961.06	3858651.99	2.18E-04	4.83E-09	3.62E-06	2.00E-06	2.24E-04	1.04E-04	2.13E-03	2.72E-04	7.33E-05	2.57E-03	9.87E-05	3.99E-09	3.62E-06	2.00E-06	1.04E-04
1560	495011.06	3858651.99	2.15E-04	4.75E-09	3.56E-06	1.98E-06	2.20E-04	1.02E-04	2.09E-03	2.67E-04	7.26E-05	2.53E-03	9.72E-05	3.92E-09	3.56E-06	1.98E-06	1.03E-04
1561	495061.06	3858651.99	2.11E-04	4.67E-09	3.51E-06	1.96E-06	2.17E-04	1.00E-04	2.06E-03	2.63E-04	7.19E-05	2.49E-03	9.55E-05	3.86E-09	3.51E-06	1.96E-06	1.01E-04
1562	495111.06	3858651.99	2.07E-04	4.58E-09	3.44E-06	1.94E-06	2.12E-04	9.82E-05	2.02E-03	2.58E-04	7.10E-05	2.44E-03	9.35E-05	3.78E-09	3.44E-06	1.94E-06	9.89E-05
1563	495161.06	3858651.99	2.04E-04	4.51E-09	3.40E-06	1.92E-06	2.09E-04	9.70E-05	1.99E-03	2.55E-04	7.04E-05	2.41E-03	9.23E-05	3.73E-09	3.40E-06	1.92E-06	9.76E-05
1564	495211.06	3858651.99	2.01E-04	4.44E-09	3.35E-06	1.90E-06	2.06E-04	9.54E-05	1.96E-03	2.51E-04	6.98E-05	2.37E-03	9.08E-05	3.67E-09	3.35E-06	1.90E-06	9.61E-05
1565	495261.06	3858651.99	2.00E-04	4.41E-09	3.33E-06	1.89E-06	2.05E-04	9.51E-05	1.94E-03	2.50E-04	6.94E-05	2.36E-03	9.05E-05	3.64E-09	3.33E-06	1.89E-06	9.57E-05
1566	495311.06	3858651.99	1.99E-04	4.37E-09	3.30E-06	1.88E-06	2.04E-04	9.44E-05	1.92E-03	2.48E-04	6.90E-05	2.34E-03	8.99E-05	3.61E-09	3.30E-06	1.88E-06	9.50E-05
1567	495361.06	3858651.99	1.98E-04	4.34E-09	3.28E-06	1.87E-06	2.03E-04	9.40E-05	1.91E-03	2.46E-04	6.86E-05	2.32E-03	8.94E-05	3.58E-09	3.28E-06	1.87E-06	9.46E-05
1568	495411.06	3858651.99	1.98E-04	4.32E-09	3.27E-06	1.86E-06	2.03E-04	9.40E-05	1.90E-03	2.45E-04	6.82E-05	2.31E-03	8.94E-05	3.57E-09	3.27E-06	1.86E-06	9.45E-05
1569	495461.06	3858651.99	1.98E-04	4.30E-09	3.26E-06	1.85E-06	2.03E-04	9.40E-05	1.90E-03	2.45E-04	6.79E-05	2.30E-03	8.95E-05	3.55E-09	3.26E-06	1.85E-06	9.46E-05
1570	495511.06	3858651.99	1.96E-04	4.26E-09	3.23E-06	1.84E-06	2.01E-04	9.31E-05	1.87E-03	2.42E-04	6.75E-05	2.28E-03	8.86E-05	3.52E-09	3.23E-06	1.84E-06	9.36E-05
1571	495561.06	3858651.99	1.95E-04	4.22E-09	3.21E-06	1.83E-06	2.00E-04	9.25E-05	1.86E-03	2.40E-04	6.71E-05	2.26E-03	8.80E-05	3.49E-09	3.21E-06	1.83E-06	9.31E-05
1572	495611.06	3858651.99	1.93E-04	4.17E-09	3.17E-06	1.82E-06	1.98E-04	9.15E-05	1.84E-03	2.38E-04	6.66E-05	2.23E-03	8.71E-05	3.44E-09	3.17E-06	1.82E-06	9.21E-05
1573	495661.06	3858651.99	1.92E-04	4.15E-09	3.16E-06	1.81E-06	1.97E-04	9.13E-05	1.83E-03	2.37E-04	6.62E-05	2.22E-03	8.69E-05	3.43E-09	3.16E-06	1.81E-06	9.19E-05
1574	494311.06	3858701.99	2.24E-04	5.33E-09	3.86E-06	2.15E-06	2.30E-04	1.06E-04	2.35E-03	2.89E-04	7.90E-05	2.82E-03	1.01E-04	4.41E-09	3.86E-06	2.15E-06	1.07E-04
1575	494361.06	3858701.99	2.42E-04	5.61E-09	4.16E-06	2.21E-06	2.48E-04	1.15E-04	2.47E-03	3.12E-04	8.11E-05	2.98E-03	1.10E-04	4.64E-09	4.16E-06	2.21E-06	1.16E-04
1576	494411.06	3858701.99	2.52E-04	5.77E-09	4.31E-06	2.23E-06	2.59E-04	1.20E-04	2.54E-03	3.23E-04	8.19E-05	3.07E-03	1.14E-04	4.77E-09	4.31E-06	2.23E-06	1.21E-04
1577	494461.06	3858701.99	2.52E-04	5.75E-09	4.30E-06	2.23E-06	2.59E-04	1.20E-04	2.53E-03	3.23E-04	8.16E-05	3.06E-03	1.14E-04	4.75E-09	4.30E-06	2.23E-06	1.21E-04
1578	494511.06	3858701.99	2.52E-04	5.73E-09	4.19E-06	2.20E-06	2.58E-04	1.20E-04	2.52E-03	3.14E-04	8.07E-05	3.04E-03	1.14E-04	4.73E-09	4.19E-06	2.20E-06	1.20E-04
1579	494561.06	3858701.99	2.50E-04	5.68E-09	4.15E-06	2.19E-06	2.57E-04	1.19E-04	2.50E-03	3.11E-04	8.01E-05	3.01E-03	1.13E-04	4.69E-09	4.15E-06	2.19E-06	1.20E-04
1580	494611.06	3858701.99	2.45E-04	5.56E-09	4.06E-06	2.16E-06	2.52E-04	1.17E-04	2.45E-03	3.05E-04	7.92E-05	2.95E-03	1.11E-04	4.60E-09	4.06E-06	2.16E-06	1.17E-04
1581	494661.06	3858701.99	2.45E-04	5.54E-09	4.05E-06	2.15E-06	2.52E-04	1.17E-04	2.44E-03	3.04E-04	7.88E-05	2.94E-03	1.11E-04	4.58E-09	4.05E-06	2.15E-06	1.17E-04
1582	494711.06	3858701.99	2.35E-04	5.32E-09	3.89E-06	2.10E-06	2.41E-04	1.12E-04	2.34E-03	2.92E-04	7.71E-05	2.82E-03	1.06E-04	4.39E-09	3.89E-06	2.10E-06	1.12E-04

1583	494761.06	3858701.99	2.37E-04	5.34E-09	3.91E-06	2.10E-06	2.43E-04	1.13E-04	2.35E-03	2.93E-04	7.70E-05	2.84E-03	1.07E-04	4.41E-09	3.91E-06	2.10E-06	1.13E-04
1584	494811.06	3858701.99	2.34E-04	5.23E-09	3.84E-06	2.08E-06	2.40E-04	1.11E-04	2.30E-03	2.88E-04	7.62E-05	2.78E-03	1.06E-04	4.32E-09	3.84E-06	2.08E-06	1.12E-04
1585	494861.06	3858701.99	2.29E-04	5.14E-09	3.78E-06	2.05E-06	2.35E-04	1.09E-04	2.27E-03	2.84E-04	7.53E-05	2.73E-03	1.03E-04	4.25E-09	3.78E-06	2.05E-06	1.09E-04
1586	494911.06	3858701.99	2.26E-04	5.07E-09	3.73E-06	2.03E-06	2.31E-04	1.07E-04	2.23E-03	2.80E-04	7.46E-05	2.69E-03	1.02E-04	4.18E-09	3.73E-06	2.03E-06	1.08E-04
1587	494961.06	3858701.99	2.19E-04	4.93E-09	3.62E-06	2.00E-06	2.25E-04	1.04E-04	2.17E-03	2.71E-04	7.34E-05	2.62E-03	9.90E-05	4.07E-09	3.62E-06	2.00E-06	1.05E-04
1588	495011.06	3858701.99	2.15E-04	4.84E-09	3.55E-06	1.98E-06	2.20E-04	1.02E-04	2.13E-03	2.66E-04	7.26E-05	2.57E-03	9.72E-05	3.99E-09	3.55E-06	1.98E-06	1.03E-04
1589	495061.06	3858701.99	2.13E-04	4.79E-09	3.51E-06	1.97E-06	2.19E-04	1.01E-04	2.11E-03	2.63E-04	7.21E-05	2.55E-03	9.65E-05	3.95E-09	3.51E-06	1.97E-06	1.02E-04
1590	495111.06	3858701.99	2.08E-04	4.69E-09	3.43E-06	1.94E-06	2.14E-04	9.91E-05	2.06E-03	2.57E-04	7.13E-05	2.49E-03	9.43E-05	3.87E-09	3.43E-06	1.94E-06	9.97E-05
1591	495161.06	3858701.99	2.06E-04	4.63E-09	3.39E-06	1.93E-06	2.12E-04	9.81E-05	2.04E-03	2.55E-04	7.07E-05	2.46E-03	9.33E-05	3.82E-09	3.39E-06	1.93E-06	9.86E-05
1592	495211.06	3858701.99	2.03E-04	4.56E-09	3.34E-06	1.91E-06	2.08E-04	9.66E-05	2.01E-03	2.51E-04	7.00E-05	2.42E-03	9.19E-05	3.76E-09	3.34E-06	1.91E-06	9.71E-05
1593	495261.06	3858701.99	2.03E-04	4.53E-09	3.33E-06	1.90E-06	2.08E-04	9.63E-05	1.99E-03	2.50E-04	6.96E-05	2.41E-03	9.16E-05	3.74E-09	3.33E-06	1.90E-06	9.69E-05
1594	495311.06	3858701.99	2.02E-04	4.50E-09	3.31E-06	1.89E-06	2.07E-04	9.61E-05	1.98E-03	2.48E-04	6.92E-05	2.40E-03	9.14E-05	3.72E-09	3.31E-06	1.89E-06	9.66E-05
1595	495361.06	3858701.99	2.01E-04	4.46E-09	3.29E-06	1.88E-06	2.06E-04	9.56E-05	1.97E-03	2.47E-04	6.88E-05	2.38E-03	9.10E-05	3.69E-09	3.29E-06	1.88E-06	9.61E-05
1596	495411.06	3858701.99	2.01E-04	4.45E-09	3.28E-06	1.87E-06	2.06E-04	9.56E-05	1.96E-03	2.46E-04	6.85E-05	2.37E-03	9.10E-05	3.67E-09	3.28E-06	1.87E-06	9.61E-05
1597	495461.06	3858701.99	2.00E-04	4.41E-09	3.26E-06	1.86E-06	2.05E-04	9.52E-05	1.94E-03	2.44E-04	6.81E-05	2.35E-03	9.06E-05	3.65E-09	3.26E-06	1.86E-06	9.57E-05
1598	495511.06	3858701.99	1.99E-04	4.37E-09	3.23E-06	1.85E-06	2.04E-04	9.46E-05	1.93E-03	2.42E-04	6.77E-05	2.33E-03	9.00E-05	3.61E-09	3.23E-06	1.85E-06	9.51E-05
1599	495561.06	3858701.99	1.97E-04	4.33E-09	3.20E-06	1.83E-06	2.02E-04	9.38E-05	1.91E-03	2.40E-04	6.72E-05	2.31E-03	8.93E-05	3.58E-09	3.20E-06	1.83E-06	9.43E-05
1600	495611.06	3858701.99	1.96E-04	4.28E-09	3.17E-06	1.82E-06	2.01E-04	9.30E-05	1.89E-03	2.38E-04	6.67E-05	2.28E-03	8.85E-05	3.54E-09	3.17E-06	1.82E-06	9.35E-05
1601	495661.06	3858701.99	1.95E-04	4.25E-09	3.15E-06	1.81E-06	2.00E-04	9.25E-05	1.87E-03	2.37E-04	6.63E-05	2.27E-03	8.81E-05	3.51E-09	3.15E-06	1.81E-06	9.30E-05
1602	494311.06	3858751.99	2.27E-04	5.48E-09	3.90E-06	2.18E-06	2.33E-04	1.08E-04	2.42E-03	2.92E-04	7.99E-05	2.90E-03	1.03E-04	4.53E-09	3.90E-06	2.18E-06	1.09E-04
1603	494361.06	3858751.99	2.48E-04	5.84E-09	4.23E-06	2.24E-06	2.54E-04	1.18E-04	2.57E-03	3.17E-04	8.22E-05	3.09E-03	1.12E-04	4.82E-09	4.23E-06	2.24E-06	1.18E-04
1604	494411.06	3858751.99	2.55E-04	5.95E-09	4.36E-06	2.26E-06	2.62E-04	1.21E-04	2.62E-03	3.27E-04	8.28E-05	3.15E-03	1.15E-04	4.92E-09	4.36E-06	2.26E-06	1.22E-04
1605	494461.06	3858751.99	2.55E-04	5.93E-09	4.35E-06	2.25E-06	2.62E-04	1.21E-04	2.61E-03	3.26E-04	8.25E-05	3.14E-03	1.16E-04	4.90E-09	4.35E-06	2.25E-06	1.22E-04
1606	494511.06	3858751.99	2.55E-04	5.93E-09	4.22E-06	2.22E-06	2.62E-04	1.21E-04	2.61E-03	3.16E-04	8.15E-05	3.13E-03	1.15E-04	4.89E-09	4.22E-06	2.22E-06	1.22E-04
1607	494561.06	3858751.99	2.53E-04	5.83E-09	4.20E-06	2.21E-06	2.60E-04	1.20E-04	2.57E-03	3.15E-04	8.10E-05	3.09E-03	1.14E-04	4.82E-09	4.20E-06	2.21E-06	1.21E-04
1608	494611.06	3858751.99	2.49E-04	5.73E-09	4.12E-06	2.18E-06	2.55E-04	1.18E-04	2.52E-03	3.09E-04	8.00E-05	3.03E-03	1.13E-04	4.73E-09	4.12E-06	2.18E-06	1.19E-04
1609	494661.06	3858751.99	2.48E-04	5.68E-09	4.11E-06	2.17E-06	2.54E-04	1.18E-04	2.50E-03	3.08E-04	7.96E-05	3.00E-03	1.12E-04	4.69E-09	4.11E-06	2.17E-06	1.18E-04
1610	494711.06	3858751.99	2.42E-04	5.54E-09	4.00E-06	2.14E-06	2.48E-04	1.15E-04	2.44E-03	3.00E-04	7.84E-05	2.93E-03	1.09E-04	4.57E-09	4.00E-06	2.14E-06	1.15E-04
1611	494761.06	3858751.99	2.39E-04	5.49E-09	3.92E-06	2.11E-06	2.45E-04	1.14E-04	2.42E-03	2.94E-04	7.75E-05	2.90E-03	1.08E-04	4.53E-09	3.92E-06	2.11E-06	1.14E-04
1612	494811.06	3858751.99	2.34E-04	5.37E-09	3.83E-06	2.09E-06	2.40E-04	1.11E-04	2.36E-03	2.87E-04	7.65E-05	2.84E-03	1.06E-04	4.43E-09	3.83E-06	2.09E-06	1.12E-04
1613	494861.06	3858751.99	2.30E-04	5.26E-09	3.76E-06	2.06E-06	2.36E-04	1.09E-04	2.32E-03	2.82E-04	7.56E-05	2.78E-03	1.04E-04	4.34E-09	3.76E-06	2.06E-06	1.10E-04
1614	494911.06	3858751.99	2.25E-04	5.15E-09	3.69E-06	2.04E-06	2.30E-04	1.07E-04	2.27E-03	2.77E-04	7.47E-05	2.72E-03	1.02E-04	4.25E-09	3.69E-06	2.04E-06	1.07E-04
1615	494961.06	3858751.99	2.21E-04	5.06E-09	3.63E-06	2.01E-06	2.27E-04	1.05E-04	2.23E-03	2.73E-04	7.38E-05	2.68E-03	1.00E-04	4.18E-09	3.63E-06	2.01E-06	1.06E-04
1616	495011.06	3858751.99	2.19E-04	5.00E-09	3.60E-06	2.00E-06	2.25E-04	1.04E-04	2.20E-03	2.70E-04	7.32E-05	2.65E-03	9.91E-05	4.13E-09	3.60E-06	2.00E-06	1.05E-04
1617	495061.06	3858751.99	2.15E-04	4.91E-09	3.53E-06	1.98E-06	2.21E-04	1.02E-04	2.16E-03	2.65E-04	7.24E-05	2.60E-03	9.74E-05	4.06E-09	3.53E-06	1.98E-06	1.03E-04
1618	495111.06	3858751.99	2.11E-04	4.81E-09	3.46E-06	1.95E-06	2.16E-04	1.00E-04	2.12E-03	2.59E-04	7.15E-05	2.55E-03	9.55E-05	3.97E-09	3.46E-06	1.95E-06	1.01E-04
1619	495161.06	3858751.99	2.09E-04	4.75E-09	3.41E-06	1.93E-06	2.14E-04	9.92E-05	2.09E-03	2.56E-04	7.09E-05	2.52E-03	9.44E-05	3.92E-09	3.41E-06	1.93E-06	9.98E-05
1620	495211.06	3858751.99	2.06E-04	4.68E-09	3.34E-06	1.92E-06	2.11E-04	9.78E-05	2.06E-03	2.51E-04	7.03E-05	2.48E-03	9.30E-05	3.86E-09	3.34E-06	1.92E-06	9.83E-05
1621	495261.06	3858751.99	2.05E-04	4.64E-09	3.33E-06	1.90E-06	2.10E-04	9.74E-05	2.04E-03	2.49E-04	6.98E-05	2.46E-03	9.27E-05	3.84E-09	3.33E-06	1.90E-06	9.79E-05
1622	495311.06	3858751.99	2.05E-04	4.62E-09	3.31E-06	1.89E-06	2.10E-04	9.72E-05	2.03E-03	2.48E-04	6.95E-05	2.45E-03	9.25E-05	3.81E-09	3.31E-06	1.89E-06	9.77E-05
1623	495361.06	3858751.99	2.04E-04	4.58E-09	3.29E-06	1.88E-06	2.09E-04	9.68E-05	2.02E-03	2.47E-04	6.91E-05	2.43E-03	9.21E-05	3.78E-09	3.29E-06	1.88E-06	9.72E-05
1624	495411.06	3858751.99	2.04E-04	4.57E-09	3.28E-06	1.88E-06	2.09E-04	9.69E-05	2.01E-03	2.46E-04	6.88E-05	2.42E-03	9.22E-05	3.77E-09	3.28E-06	1.88E-06	9.74E-05
1625	495461.06	3858751.99	2.03E-04	4.53E-09	3.26E-06	1.86E-06	2.08E-04	9.66E-05	2.00E-03	2.45E-04	6.84E-05	2.41E-03	9.19E-05	3.74E-09	3.26E-06	1.86E-06	9.70E-05
1626	495511.06	3858751.99	2.02E-04	4.49E-09	3.24E-06	1.85E-06	2.07E-04	9.59E-05	1.98E-03	2.43E-04	6.79E-05	2.38E-03	9.13E-05	3.71E-09	3.24E-06	1.85E-06	9.64E-05
1627	495561.06	3858751.99	2.00E-04	4.45E-09	3.21E-06	1.84E-06	2.05E-04	9.52E-05	1.96E-03	2.41E-04	6.74E-05	2.36E-03	9.05E-05	3.67E-09	3.21E-06	1.84E-06	9.56E-05
1628	495611.06	3858751.99	1.99E-04	4.40E-09	3.18E-06	1.82E-06	2.04E-04	9.44E-05	1.94E-03	2.39E-04	6.69E-05	2.34E-03	8.98E-05	3.63E-09	3.18E-06	1.82E-06	9.48E-05
1629	495661.06	3858751.99	1.97E-04	4.36E-09	3.16E-06	1.81E-06	2.02E-04	9.38E-05	1.92E-03	2.37E-04	6.65E-05	2.32E-03	8.92E-05	3.60E-09	3.16E-06	1.81E-06	9.42E-05
1630	494311.06	3858801.99	2.34E-04	5.74E-09	3.96E-06	2.22E-06	2.41E-04	1.11E-04	2.53E-03	2.97E-04	8.12E-05	3.02E-03	1.06E-04	4.74E-09	3.96E-06	2.22E-06	1.12E-04
1631	494361.06	3858801.99	2.51E-04	6.03E-09	4.27E-06	2.27E-06	2.58E-04	1.19E-04	2.66E-03	3.20E-04	8.32E-05	3.18E-03	1.14E-04	4.98E-09	4.27E-06	2.27E-06	1.20E-04
1632	494411.06	3858801.99	2.55E-04	6.09E-09	4.34E-06	2.28E-06	2.62E-04	1.21E-04	2.68E-03	3.25E-04	8.35E-05	3.21E-03	1.15E-04	5.03E-09	4.34E-06	2.28E-06	1.22E-04
1633	494461.06	3858801.99	2.57E-04	6.10E-09	4.33E-06	2.27E-06	2.64E-04	1.22E-04	2.69E-03	3.25E-04	8.32E-05	3.22E-03	1.16E-04	5.04E-09	4.33E-06	2.27E-06	1.23E-04
1634	494511.06	3858801.99	2.58E-04	6.11E-09	4.22E-06	2.24E-06	2.64E-04	1.22E-04	2.69E-03	3.17E-04	8.23E-05	3.21E-03	1.17E-04	5.04E-09	4.22E-06	2.24E-06	1.23E-04
1635	494561.06	3858801.99	2.57E-04	6.06E-09	4.20E-06	2.23E-06	2.63E-04	1.22E-04	2.67E-03	3.15E-04	8.17E-05	3.19E-03	1.16E-04	5.01E-09	4.20E-06	2.23E-06	1.23E-04
1636	494611.06	3858801.99	2.55E-04	5.99E-09	4.15E-06	2.21E-06	2.61E-04	1.21E-04	2.64E-03	3.11E-04	8.10E-05	3.15E-03	1.15E-04	4.95E-09	4.15E-06	2.21E-06	1.22E-04
1637	494661.06	3858801.99	2.51E-04	5.88E-09	4.08E-06	2.18E-06	2.57E-04	1.19E-04	2.59E-03	3.06E-04	8.01E-05	3.09E-03	1.13E-04	4.86E-09	4.08E-06	2.18E-06	1.20E-04
1638	494711.06	3858801.99	2.46E-04	5.76E-09	4.00E-06	2.15E-06	2.52E-04	1.17E-04	2.53E-03	3.00E-04	7.90E-05	3.03E-03	1.11E-04	4.75E-09	4.00E-06	2.15E-06	1.17E-04
1639	494761.06	3858801.99	2.40E-04	5.62E-09	3.90E-06	2.12E-06	2.46E-04	1.14E-04	2.47E-03	2.93E-04	7.79E-05	2.96E-03	1.09E-04	4.64E-09	3.90E-06	2.12E-06	1.15E-04
1640	494811.06	3858801.99	2.34E-04	5.47E-09	3.81E-06	2.09E-06	2.40E-04	1.11E-04	2.41E-03	2.86E-04	7.68E-05	2.88E-03	1.06E-04	4.52E-09	3.81E-06	2.09E-06	1.12E-04
1641	494861.06	3858801.99	2.31E-04	5.39E-09	3.76E-06	2.07E-06	2.37E-04	1.10E-04	2.37E-03	2.82E-04	7.60E-05	2.84E-03	1.05E-04	4.45E-09	3.76E-06	2.07E-06	1.11E-04
1642	494911.06	3858801.99	2.27E-04	5.28E-09	3.68E-06	2.05E-06	2.32E-04	1.08E-04	2.33E-03	2.76E-04	7.50E-05	2.78E-03	1.03E-04	4.36E-09	3.68E-06	2.05E-06	1.08E-04
1643	494961.06	3858801.99	2.23E-04	5.19E-09	3.63E-06	2.02E-06	2.29E-04	1.06E-04	2.29E-03	2.72E-04	7.42E-05	2.74E-03	1.01E-04	4.29E-09	3.63E-06	2.02E-06	1.07E-04

1644	495011.06	3858801.99	2.20E-04	5.10E-09	3.57E-06	2.00E-06	2.25E-04	1.04E-04	2.25E-03	2.68E-04	7.34E-05	2.69E-03	9.94E-05	4.21E-09	3.57E-06	2.00E-06	1.05E-04
1645	495061.06	3858801.99	2.18E-04	5.04E-09	3.53E-06	1.98E-06	2.23E-04	1.03E-04	2.22E-03	2.65E-04	7.27E-05	2.66E-03	9.84E-05	4.16E-09	3.53E-06	1.98E-06	1.04E-04
1646	495111.06	3858801.99	2.13E-04	4.93E-09	3.46E-06	1.96E-06	2.18E-04	1.01E-04	2.17E-03	2.60E-04	7.18E-05	2.60E-03	9.63E-05	4.07E-09	3.46E-06	1.96E-06	1.02E-04
1647	495161.06	3858801.99	2.09E-04	4.84E-09	3.40E-06	1.94E-06	2.15E-04	9.95E-05	2.13E-03	2.55E-04	7.10E-05	2.56E-03	9.47E-05	4.00E-09	3.40E-06	1.94E-06	1.00E-04
1648	495211.06	3858801.99	2.08E-04	4.79E-09	3.37E-06	1.92E-06	2.13E-04	9.88E-05	2.11E-03	2.53E-04	7.04E-05	2.53E-03	9.40E-05	3.96E-09	3.37E-06	1.92E-06	9.93E-05
1649	495261.06	3858801.99	2.07E-04	4.76E-09	3.35E-06	1.91E-06	2.12E-04	9.85E-05	2.10E-03	2.51E-04	7.00E-05	2.52E-03	9.37E-05	3.93E-09	3.35E-06	1.91E-06	9.90E-05
1650	495311.06	3858801.99	2.07E-04	4.74E-09	3.34E-06	1.90E-06	2.12E-04	9.84E-05	2.09E-03	2.50E-04	6.97E-05	2.50E-03	9.37E-05	3.91E-09	3.34E-06	1.90E-06	9.89E-05
1651	495361.06	3858801.99	2.06E-04	4.70E-09	3.32E-06	1.89E-06	2.11E-04	9.80E-05	2.07E-03	2.49E-04	6.92E-05	2.49E-03	9.33E-05	3.88E-09	3.32E-06	1.89E-06	9.85E-05
1652	495411.06	3858801.99	2.07E-04	4.70E-09	3.32E-06	1.88E-06	2.12E-04	9.85E-05	2.07E-03	2.49E-04	6.90E-05	2.49E-03	9.37E-05	3.88E-09	3.32E-06	1.88E-06	9.89E-05
1653	495461.06	3858801.99	2.06E-04	4.66E-09	3.30E-06	1.87E-06	2.11E-04	9.80E-05	2.05E-03	2.47E-04	6.86E-05	2.47E-03	9.32E-05	3.85E-09	3.30E-06	1.87E-06	9.84E-05
1654	495511.06	3858801.99	2.04E-04	4.61E-09	3.27E-06	1.86E-06	2.10E-04	9.72E-05	2.03E-03	2.45E-04	6.80E-05	2.44E-03	9.25E-05	3.81E-09	3.27E-06	1.86E-06	9.76E-05
1655	495561.06	3858801.99	2.03E-04	4.57E-09	3.25E-06	1.84E-06	2.08E-04	9.66E-05	2.01E-03	2.44E-04	6.76E-05	2.42E-03	9.19E-05	3.77E-09	3.25E-06	1.84E-06	9.70E-05
1656	495611.06	3858801.99	2.01E-04	4.51E-09	3.21E-06	1.83E-06	2.06E-04	9.56E-05	1.99E-03	2.40E-04	6.70E-05	2.39E-03	9.09E-05	3.73E-09	3.21E-06	1.83E-06	9.60E-05
1657	495661.06	3858801.99	2.00E-04	4.48E-09	3.18E-06	1.82E-06	2.05E-04	9.52E-05	1.97E-03	2.39E-04	6.66E-05	2.37E-03	9.05E-05	3.70E-09	3.18E-06	1.82E-06	9.55E-05
1658	494311.06	3858851.99	2.50E-04	6.18E-09	4.20E-06	2.29E-06	2.57E-04	1.19E-04	2.72E-03	3.15E-04	8.40E-05	3.24E-03	1.13E-04	5.10E-09	4.20E-06	2.29E-06	1.20E-04
1659	494361.06	3858851.99	2.60E-04	6.35E-09	4.38E-06	2.32E-06	2.66E-04	1.23E-04	2.80E-03	3.29E-04	8.51E-05	3.33E-03	1.17E-04	5.24E-09	4.38E-06	2.32E-06	1.24E-04
1660	494411.06	3858851.99	2.59E-04	6.31E-09	4.37E-06	2.31E-06	2.66E-04	1.23E-04	2.78E-03	3.27E-04	8.46E-05	3.31E-03	1.17E-04	5.21E-09	4.37E-06	2.31E-06	1.24E-04
1661	494461.06	3858851.99	2.60E-04	6.30E-09	4.33E-06	2.29E-06	2.66E-04	1.24E-04	2.77E-03	3.25E-04	8.40E-05	3.31E-03	1.18E-04	5.20E-09	4.33E-06	2.29E-06	1.24E-04
1662	494511.06	3858851.99	2.59E-04	6.28E-09	4.19E-06	2.26E-06	2.65E-04	1.23E-04	2.76E-03	3.14E-04	8.28E-05	3.28E-03	1.17E-04	5.18E-09	4.19E-06	2.26E-06	1.24E-04
1663	494561.06	3858851.99	2.58E-04	6.22E-09	4.16E-06	2.24E-06	2.64E-04	1.23E-04	2.74E-03	3.12E-04	8.22E-05	3.26E-03	1.17E-04	5.14E-09	4.16E-06	2.24E-06	1.23E-04
1664	494611.06	3858851.99	2.55E-04	6.13E-09	4.12E-06	2.22E-06	2.61E-04	1.21E-04	2.70E-03	3.09E-04	8.14E-05	3.21E-03	1.15E-04	5.06E-09	4.12E-06	2.22E-06	1.22E-04
1665	494661.06	3858851.99	2.51E-04	6.02E-09	4.05E-06	2.20E-06	2.58E-04	1.20E-04	2.65E-03	3.04E-04	8.05E-05	3.16E-03	1.14E-04	4.97E-09	4.05E-06	2.20E-06	1.20E-04
1666	494711.06	3858851.99	2.46E-04	5.87E-09	3.96E-06	2.16E-06	2.52E-04	1.17E-04	2.59E-03	2.97E-04	7.93E-05	3.08E-03	1.11E-04	4.85E-09	3.96E-06	2.16E-06	1.17E-04
1667	494761.06	3858851.99	2.40E-04	5.73E-09	3.87E-06	2.13E-06	2.46E-04	1.14E-04	2.52E-03	2.91E-04	7.81E-05	3.01E-03	1.09E-04	4.73E-09	3.87E-06	2.13E-06	1.15E-04
1668	494811.06	3858851.99	2.36E-04	5.62E-09	3.80E-06	2.10E-06	2.42E-04	1.12E-04	2.47E-03	2.85E-04	7.71E-05	2.95E-03	1.07E-04	4.64E-09	3.80E-06	2.10E-06	1.13E-04
1669	494861.06	3858851.99	2.33E-04	5.53E-09	3.75E-06	2.08E-06	2.39E-04	1.11E-04	2.44E-03	2.81E-04	7.63E-05	2.91E-03	1.06E-04	4.57E-09	3.75E-06	2.08E-06	1.11E-04
1670	494911.06	3858851.99	2.29E-04	5.43E-09	3.68E-06	2.06E-06	2.35E-04	1.09E-04	2.39E-03	2.76E-04	7.55E-05	2.85E-03	1.04E-04	4.48E-09	3.68E-06	2.06E-06	1.09E-04
1671	494961.06	3858851.99	2.26E-04	5.33E-09	3.62E-06	2.03E-06	2.31E-04	1.07E-04	2.35E-03	2.72E-04	7.46E-05	2.80E-03	1.02E-04	4.40E-09	3.62E-06	2.03E-06	1.08E-04
1672	495011.06	3858851.99	2.23E-04	5.25E-09	3.58E-06	2.01E-06	2.29E-04	1.06E-04	2.31E-03	2.68E-04	7.39E-05	2.76E-03	1.01E-04	4.34E-09	3.58E-06	2.01E-06	1.06E-04
1673	495061.06	3858851.99	2.20E-04	5.16E-09	3.52E-06	1.99E-06	2.25E-04	1.04E-04	2.27E-03	2.64E-04	7.31E-05	2.72E-03	9.93E-05	4.27E-09	3.52E-06	1.99E-06	1.05E-04
1674	495111.06	3858851.99	2.13E-04	5.02E-09	3.43E-06	1.96E-06	2.18E-04	1.01E-04	2.21E-03	2.57E-04	7.18E-05	2.64E-03	9.64E-05	4.14E-09	3.43E-06	1.96E-06	1.02E-04
1675	495161.06	3858851.99	2.10E-04	4.93E-09	3.39E-06	1.94E-06	2.15E-04	9.97E-05	2.17E-03	2.54E-04	7.10E-05	2.60E-03	9.49E-05	4.07E-09	3.39E-06	1.94E-06	1.00E-04
1676	495211.06	3858851.99	2.10E-04	4.92E-09	3.38E-06	1.93E-06	2.16E-04	1.00E-04	2.17E-03	2.54E-04	7.08E-05	2.59E-03	9.51E-05	4.06E-09	3.38E-06	1.93E-06	1.00E-04
1677	495261.06	3858851.99	2.10E-04	4.88E-09	3.37E-06	1.92E-06	2.15E-04	9.97E-05	2.15E-03	2.53E-04	7.03E-05	2.57E-03	9.49E-05	4.03E-09	3.37E-06	1.92E-06	1.00E-04
1678	495311.06	3858851.99	2.10E-04	4.86E-09	3.36E-06	1.91E-06	2.15E-04	9.98E-05	2.14E-03	2.52E-04	7.00E-05	2.56E-03	9.49E-05	4.02E-09	3.36E-06	1.91E-06	1.00E-04
1679	495361.06	3858851.99	2.09E-04	4.83E-09	3.35E-06	1.90E-06	2.15E-04	9.95E-05	2.13E-03	2.51E-04	6.96E-05	2.55E-03	9.47E-05	3.99E-09	3.35E-06	1.90E-06	1.00E-04
1680	495411.06	3858851.99	2.09E-04	4.81E-09	3.33E-06	1.89E-06	2.14E-04	9.94E-05	2.12E-03	2.50E-04	6.92E-05	2.53E-03	9.45E-05	3.97E-09	3.33E-06	1.89E-06	9.98E-05
1681	495461.06	3858851.99	2.09E-04	4.78E-09	3.32E-06	1.88E-06	2.14E-04	9.92E-05	2.11E-03	2.49E-04	6.88E-05	2.52E-03	9.44E-05	3.95E-09	3.32E-06	1.88E-06	9.96E-05
1682	495511.06	3858851.99	2.08E-04	4.74E-09	3.32E-06	1.87E-06	2.13E-04	9.90E-05	2.09E-03	2.49E-04	6.86E-05	2.50E-03	9.42E-05	3.91E-09	3.32E-06	1.87E-06	9.94E-05
1683	495561.06	3858851.99	2.05E-04	4.67E-09	3.25E-06	1.85E-06	2.10E-04	9.74E-05	2.06E-03	2.44E-04	6.77E-05	2.46E-03	9.26E-05	3.86E-09	3.25E-06	1.85E-06	9.77E-05
1684	495611.06	3858851.99	2.02E-04	4.61E-09	3.21E-06	1.83E-06	2.08E-04	9.63E-05	2.03E-03	2.41E-04	6.71E-05	2.43E-03	9.16E-05	3.80E-09	3.21E-06	1.83E-06	9.66E-05
1685	495661.06	3858851.99	2.02E-04	4.58E-09	3.20E-06	1.82E-06	2.07E-04	9.61E-05	2.02E-03	2.40E-04	6.67E-05	2.42E-03	9.15E-05	3.78E-09	3.20E-06	1.82E-06	9.65E-05
1686	494311.06	3858901.99	2.55E-04	6.42E-09	4.20E-06	2.32E-06	2.62E-04	1.21E-04	2.83E-03	3.15E-04	8.52E-05	3.35E-03	1.16E-04	5.31E-09	4.20E-06	2.32E-06	1.22E-04
1687	494361.06	3858901.99	2.62E-04	6.55E-09	4.31E-06	2.34E-06	2.69E-04	1.24E-04	2.89E-03	3.23E-04	8.59E-05	3.42E-03	1.18E-04	5.41E-09	4.31E-06	2.34E-06	1.25E-04
1688	494411.06	3858901.99	2.62E-04	6.54E-09	4.32E-06	2.33E-06	2.69E-04	1.25E-04	2.88E-03	3.24E-04	8.56E-05	3.41E-03	1.19E-04	5.40E-09	4.32E-06	2.33E-06	1.25E-04
1689	494461.06	3858901.99	2.62E-04	6.54E-09	4.17E-06	2.30E-06	2.69E-04	1.25E-04	2.88E-03	3.13E-04	8.42E-05	3.40E-03	1.19E-04	5.40E-09	4.17E-06	2.30E-06	1.25E-04
1690	494511.06	3858901.99	2.62E-04	6.51E-09	4.16E-06	2.28E-06	2.69E-04	1.25E-04	2.86E-03	3.12E-04	8.37E-05	3.39E-03	1.19E-04	5.37E-09	4.16E-06	2.28E-06	1.25E-04
1691	494561.06	3858901.99	2.60E-04	6.41E-09	4.12E-06	2.26E-06	2.66E-04	1.23E-04	2.82E-03	3.09E-04	8.29E-05	3.34E-03	1.17E-04	5.29E-09	4.12E-06	2.26E-06	1.24E-04
1692	494611.06	3858901.99	2.54E-04	6.25E-09	4.05E-06	2.23E-06	2.61E-04	1.21E-04	2.75E-03	3.03E-04	8.16E-05	3.26E-03	1.15E-04	5.16E-09	4.05E-06	2.23E-06	1.21E-04
1693	494661.06	3858901.99	2.52E-04	6.16E-09	4.00E-06	2.20E-06	2.58E-04	1.20E-04	2.71E-03	3.00E-04	8.08E-05	3.21E-03	1.14E-04	5.09E-09	4.00E-06	2.20E-06	1.20E-04
1694	494711.06	3858901.99	2.47E-04	6.02E-09	3.93E-06	2.17E-06	2.53E-04	1.17E-04	2.65E-03	2.95E-04	7.97E-05	3.14E-03	1.12E-04	4.97E-09	3.93E-06	2.17E-06	1.18E-04
1695	494761.06	3858901.99	2.41E-04	5.86E-09	3.84E-06	2.14E-06	2.47E-04	1.15E-04	2.58E-03	2.88E-04	7.84E-05	3.06E-03	1.09E-04	4.84E-09	3.84E-06	2.14E-06	1.15E-04
1696	494811.06	3858901.99	2.38E-04	5.76E-09	3.78E-06	2.11E-06	2.44E-04	1.13E-04	2.54E-03	2.84E-04	7.75E-05	3.01E-03	1.08E-04	4.76E-09	3.78E-06	2.11E-06	1.13E-04
1697	494861.06	3858901.99	2.35E-04	5.68E-09	3.74E-06	2.09E-06	2.41E-04	1.12E-04	2.50E-03	2.81E-04	7.68E-05	2.97E-03	1.06E-04	4.69E-09	3.74E-06	2.09E-06	1.12E-04
1698	494911.06	3858901.99	2.30E-04	5.53E-09	3.65E-06	2.06E-06	2.35E-04	1.09E-04	2.44E-03	2.74E-04	7.56E-05	2.90E-03	1.04E-04	4.57E-09	3.65E-06	2.06E-06	1.10E-04
1699	494961.06	3858901.99	2.27E-04	5.45E-09	3.60E-06	2.04E-06	2.32E-04	1.08E-04	2.40E-03	2.70E-04	7.48E-05	2.85E-03	1.02E-04	4.50E-09	3.60E-06	2.04E-06	1.08E-04
1700	495011.06	3858901.99	2.24E-04	5.36E-09	3.55E-06	2.02E-06	2.29E-04	1.06E-04	2.36E-03	2.66E-04	7.40E-05	2.81E-03	1.01E-04	4.43E-09	3.55E-06	2.02E-06	1.07E-04
1701	495061.06	3858901.99	2.19E-04	5.25E-09	3.48E-06	1.99E-06	2.25E-04	1.04E-04	2.31E-03	2.61E-04	7.30E-05	2.75E-03	9.91E-05	4.33E-09	3.48E-06	1.99E-06	1.05E-04
1702	495111.06	3858901.99	2.13E-04	5.09E-09	3.39E-06	1.96E-06	2.18E-04	1.01E-04	2.24E-03	2.54E-04	7.18E-05	2.67E-03	9.62E-05	4.21E-09	3.39E-06	1.96E-06	1.02E-04
1703	495161.06	3858901.99	2.11E-04	5.04E-09	3.36E-06	1.94E-06	2.16E-04	1.00E-04	2.22E-03	2.52E-04	7.12E-05	2.64E-03	9.54E-05	4.16E-09	3.36E-06	1.94E-06	1.01E-04
1704	495211.06	3858901.99	2.13E-04	5.04E-09	3.37E-06	1.94E-06	2.18E-04	1.01E-04	2.22E-03	2.53E-04	7.10E-05	2.65E-03	9.62E-05	4.17E-09	3.37E-06	1.94E-06	1.01E-04

1705	495261.06	3858901.99	2.12E-04	5.02E-09	3.36E-06	1.93E-06	2.18E-04	1.01E-04	2.21E-03	2.52E-04	7.06E-05	2.63E-03	9.61E-05	4.14E-09	3.36E-06	1.93E-06	1.01E-04
1706	495311.06	3858901.99	2.12E-04	4.98E-09	3.35E-06	1.92E-06	2.17E-04	1.01E-04	2.19E-03	2.51E-04	7.02E-05	2.62E-03	9.58E-05	4.11E-09	3.35E-06	1.92E-06	1.01E-04
1707	495361.06	3858901.99	2.11E-04	4.95E-09	3.33E-06	1.90E-06	2.17E-04	1.00E-04	2.18E-03	2.50E-04	6.98E-05	2.60E-03	9.56E-05	4.09E-09	3.33E-06	1.90E-06	1.01E-04
1708	495411.06	3858901.99	2.12E-04	4.94E-09	3.33E-06	1.90E-06	2.17E-04	1.01E-04	2.17E-03	2.50E-04	6.95E-05	2.59E-03	9.58E-05	4.08E-09	3.33E-06	1.90E-06	1.01E-04
1709	495461.06	3858901.99	2.11E-04	4.89E-09	3.31E-06	1.88E-06	2.16E-04	1.00E-04	2.15E-03	2.48E-04	6.90E-05	2.57E-03	9.53E-05	4.04E-09	3.31E-06	1.88E-06	1.00E-04
1710	495511.06	3858901.99	2.09E-04	4.83E-09	3.28E-06	1.87E-06	2.14E-04	9.92E-05	2.13E-03	2.46E-04	6.84E-05	2.54E-03	9.44E-05	3.99E-09	3.28E-06	1.87E-06	9.96E-05
1711	495561.06	3858901.99	2.07E-04	4.78E-09	3.25E-06	1.85E-06	2.12E-04	9.85E-05	2.11E-03	2.44E-04	6.79E-05	2.52E-03	9.37E-05	3.95E-09	3.25E-06	1.85E-06	9.88E-05
1712	495611.06	3858901.99	2.05E-04	4.72E-09	3.22E-06	1.84E-06	2.10E-04	9.74E-05	2.08E-03	2.41E-04	6.73E-05	2.49E-03	9.27E-05	3.90E-09	3.22E-06	1.84E-06	9.77E-05
1713	495661.06	3858901.99	2.05E-04	4.70E-09	3.21E-06	1.83E-06	2.10E-04	9.74E-05	2.07E-03	2.41E-04	6.70E-05	2.48E-03	9.27E-05	3.88E-09	3.21E-06	1.83E-06	9.77E-05
1714	494311.06	3858951.99	2.63E-04	6.77E-09	4.23E-06	2.38E-06	2.70E-04	1.25E-04	2.98E-03	3.17E-04	8.72E-05	3.51E-03	1.19E-04	5.59E-09	4.23E-06	2.38E-06	1.26E-04
1715	494361.06	3858951.99	2.66E-04	6.81E-09	4.26E-06	2.38E-06	2.72E-04	1.26E-04	3.00E-03	3.20E-04	8.72E-05	3.53E-03	1.20E-04	5.62E-09	4.26E-06	2.38E-06	1.27E-04
1716	494411.06	3858951.99	2.64E-04	6.73E-09	4.23E-06	2.35E-06	2.70E-04	1.25E-04	2.96E-03	3.17E-04	8.63E-05	3.49E-03	1.19E-04	5.56E-09	4.23E-06	2.35E-06	1.26E-04
1717	494461.06	3858951.99	2.64E-04	6.73E-09	4.09E-06	2.31E-06	2.70E-04	1.26E-04	2.97E-03	3.07E-04	8.49E-05	3.48E-03	1.19E-04	5.56E-09	4.09E-06	2.31E-06	1.26E-04
1718	494511.06	3858951.99	2.63E-04	6.67E-09	4.07E-06	2.30E-06	2.69E-04	1.25E-04	2.94E-03	3.05E-04	8.42E-05	3.45E-03	1.19E-04	5.51E-09	4.07E-06	2.30E-06	1.25E-04
1719	494561.06	3858951.99	2.60E-04	6.57E-09	4.04E-06	2.27E-06	2.66E-04	1.24E-04	2.89E-03	3.03E-04	8.33E-05	3.40E-03	1.18E-04	5.43E-09	4.04E-06	2.27E-06	1.24E-04
1720	494611.06	3858951.99	2.56E-04	6.43E-09	3.99E-06	2.24E-06	2.62E-04	1.22E-04	2.83E-03	2.99E-04	8.22E-05	3.34E-03	1.16E-04	5.31E-09	3.99E-06	2.24E-06	1.22E-04
1721	494661.06	3858951.99	2.52E-04	6.31E-09	3.94E-06	2.21E-06	2.58E-04	1.20E-04	2.78E-03	2.95E-04	8.11E-05	3.27E-03	1.14E-04	5.21E-09	3.94E-06	2.21E-06	1.20E-04
1722	494711.06	3858951.99	2.47E-04	6.14E-09	3.86E-06	2.18E-06	2.53E-04	1.17E-04	2.70E-03	2.89E-04	7.98E-05	3.19E-03	1.12E-04	5.07E-09	3.86E-06	2.18E-06	1.18E-04
1723	494761.06	3858951.99	2.42E-04	6.01E-09	3.80E-06	2.15E-06	2.48E-04	1.15E-04	2.65E-03	2.85E-04	7.88E-05	3.13E-03	1.10E-04	4.96E-09	3.80E-06	2.15E-06	1.16E-04
1724	494811.06	3858951.99	2.40E-04	5.92E-09	3.75E-06	2.13E-06	2.46E-04	1.14E-04	2.61E-03	2.81E-04	7.80E-05	3.08E-03	1.08E-04	4.89E-09	3.75E-06	2.13E-06	1.14E-04
1725	494861.06	3858951.99	2.37E-04	5.83E-09	3.71E-06	2.10E-06	2.43E-04	1.13E-04	2.57E-03	2.78E-04	7.71E-05	3.03E-03	1.07E-04	4.81E-09	3.71E-06	2.10E-06	1.13E-04
1726	494911.06	3858951.99	2.33E-04	5.71E-09	3.64E-06	2.07E-06	2.38E-04	1.11E-04	2.51E-03	2.73E-04	7.61E-05	2.97E-03	1.05E-04	4.71E-09	3.64E-06	2.07E-06	1.11E-04
1727	494961.06	3858951.99	2.31E-04	5.63E-09	3.61E-06	2.06E-06	2.36E-04	1.10E-04	2.48E-03	2.71E-04	7.54E-05	2.94E-03	1.04E-04	4.65E-09	3.61E-06	2.06E-06	1.10E-04
1728	495011.06	3858951.99	2.24E-04	5.46E-09	3.51E-06	2.02E-06	2.29E-04	1.06E-04	2.40E-03	2.63E-04	7.40E-05	2.85E-03	1.01E-04	4.51E-09	3.51E-06	2.02E-06	1.07E-04
1729	495061.06	3858951.99	2.17E-04	5.30E-09	3.41E-06	1.98E-06	2.22E-04	1.03E-04	2.33E-03	2.56E-04	7.27E-05	2.76E-03	9.82E-05	4.37E-09	3.41E-06	1.98E-06	1.04E-04
1730	495111.06	3858951.99	2.12E-04	5.17E-09	3.34E-06	1.95E-06	2.17E-04	1.01E-04	2.28E-03	2.50E-04	7.16E-05	2.70E-03	9.60E-05	4.27E-09	3.34E-06	1.95E-06	1.01E-04
1731	495161.06	3858951.99	2.15E-04	5.20E-09	3.37E-06	1.95E-06	2.20E-04	1.02E-04	2.29E-03	2.53E-04	7.16E-05	2.72E-03	9.72E-05	4.29E-09	3.37E-06	1.95E-06	1.03E-04
1732	495211.06	3858951.99	2.15E-04	5.18E-09	3.36E-06	1.94E-06	2.20E-04	1.02E-04	2.28E-03	2.52E-04	7.13E-05	2.70E-03	9.72E-05	4.27E-09	3.36E-06	1.94E-06	1.03E-04
1733	495261.06	3858951.99	2.15E-04	5.15E-09	3.36E-06	1.93E-06	2.20E-04	1.02E-04	2.27E-03	2.52E-04	7.09E-05	2.69E-03	9.72E-05	4.25E-09	3.36E-06	1.93E-06	1.03E-04
1734	495311.06	3858951.99	2.13E-04	5.08E-09	3.32E-06	1.92E-06	2.18E-04	1.01E-04	2.24E-03	2.49E-04	7.02E-05	2.66E-03	9.62E-05	4.20E-09	3.32E-06	1.92E-06	1.01E-04
1735	495361.06	3858951.99	2.13E-04	5.06E-09	3.32E-06	1.91E-06	2.18E-04	1.01E-04	2.23E-03	2.49E-04	6.99E-05	2.65E-03	9.63E-05	4.18E-09	3.32E-06	1.91E-06	1.02E-04
1736	495411.06	3858951.99	2.14E-04	5.05E-09	3.32E-06	1.90E-06	2.19E-04	1.02E-04	2.23E-03	2.49E-04	6.97E-05	2.65E-03	9.66E-05	4.17E-09	3.32E-06	1.90E-06	1.02E-04
1737	495461.06	3858951.99	2.13E-04	5.01E-09	3.31E-06	1.89E-06	2.18E-04	1.01E-04	2.21E-03	2.48E-04	6.92E-05	2.63E-03	9.63E-05	4.14E-09	3.31E-06	1.89E-06	1.01E-04
1738	495511.06	3858951.99	2.13E-04	4.99E-09	3.30E-06	1.88E-06	2.18E-04	1.01E-04	2.20E-03	2.48E-04	6.89E-05	2.62E-03	9.63E-05	4.12E-09	3.30E-06	1.88E-06	1.01E-04
1739	495561.06	3858951.99	2.09E-04	4.90E-09	3.25E-06	1.86E-06	2.14E-04	9.95E-05	2.16E-03	2.44E-04	6.80E-05	2.57E-03	9.47E-05	4.05E-09	3.25E-06	1.86E-06	9.98E-05
1740	495611.06	3858951.99	2.07E-04	4.84E-09	3.22E-06	1.84E-06	2.13E-04	9.86E-05	2.13E-03	2.41E-04	6.75E-05	2.54E-03	9.39E-05	4.00E-09	3.22E-06	1.84E-06	9.89E-05
1741	495661.06	3858951.99	2.08E-04	4.83E-09	3.21E-06	1.83E-06	2.13E-04	9.87E-05	2.12E-03	2.41E-04	6.72E-05	2.53E-03	9.39E-05	3.99E-09	3.21E-06	1.83E-06	9.90E-05
1742	494311.06	3859001.99	2.68E-04	7.05E-09	4.16E-06	2.42E-06	2.74E-04	1.27E-04	3.11E-03	3.12E-04	8.86E-05	3.63E-03	1.21E-04	5.82E-09	4.16E-06	2.42E-06	1.28E-04
1743	494361.06	3859001.99	2.67E-04	7.02E-09	4.12E-06	2.39E-06	2.74E-04	1.27E-04	3.09E-03	3.09E-04	8.78E-05	3.61E-03	1.21E-04	5.79E-09	4.12E-06	2.39E-06	1.27E-04
1744	494411.06	3859001.99	2.66E-04	6.99E-09	4.00E-06	2.35E-06	2.73E-04	1.27E-04	3.08E-03	3.00E-04	8.61E-05	3.59E-03	1.20E-04	5.77E-09	4.00E-06	2.35E-06	1.27E-04
1745	494461.06	3859001.99	2.65E-04	6.92E-09	3.99E-06	2.33E-06	2.71E-04	1.26E-04	3.05E-03	2.99E-04	8.54E-05	3.56E-03	1.20E-04	5.72E-09	3.99E-06	2.33E-06	1.26E-04
1746	494511.06	3859001.99	2.64E-04	6.86E-09	3.97E-06	2.31E-06	2.70E-04	1.25E-04	3.02E-03	2.98E-04	8.47E-05	3.53E-03	1.19E-04	5.67E-09	3.97E-06	2.31E-06	1.26E-04
1747	494561.06	3859001.99	2.60E-04	6.72E-09	3.93E-06	2.28E-06	2.66E-04	1.24E-04	2.96E-03	2.95E-04	8.36E-05	3.46E-03	1.18E-04	5.55E-09	3.93E-06	2.28E-06	1.24E-04
1748	494611.06	3859001.99	2.57E-04	6.59E-09	3.90E-06	2.25E-06	2.63E-04	1.22E-04	2.90E-03	2.92E-04	8.26E-05	3.40E-03	1.16E-04	5.45E-09	3.90E-06	2.25E-06	1.22E-04
1749	494661.06	3859001.99	2.52E-04	6.44E-09	3.84E-06	2.22E-06	2.58E-04	1.20E-04	2.84E-03	2.88E-04	8.13E-05	3.33E-03	1.14E-04	5.32E-09	3.84E-06	2.22E-06	1.20E-04
1750	494711.06	3859001.99	2.47E-04	6.27E-09	3.78E-06	2.18E-06	2.53E-04	1.17E-04	2.76E-03	2.83E-04	8.00E-05	3.24E-03	1.12E-04	5.18E-09	3.78E-06	2.18E-06	1.18E-04
1751	494761.06	3859001.99	2.44E-04	6.16E-09	3.74E-06	2.16E-06	2.50E-04	1.16E-04	2.71E-03	2.80E-04	7.91E-05	3.19E-03	1.10E-04	5.09E-09	3.74E-06	2.16E-06	1.16E-04
1752	494811.06	3859001.99	2.42E-04	6.09E-09	3.71E-06	2.14E-06	2.48E-04	1.15E-04	2.68E-03	2.78E-04	7.84E-05	3.15E-03	1.09E-04	5.03E-09	3.71E-06	2.14E-06	1.15E-04
1753	494861.06	3859001.99	2.38E-04	5.97E-09	3.66E-06	2.11E-06	2.44E-04	1.13E-04	2.63E-03	2.75E-04	7.74E-05	3.10E-03	1.08E-04	4.93E-09	3.66E-06	2.11E-06	1.14E-04
1754	494911.06	3859001.99	2.35E-04	5.86E-09	3.61E-06	2.08E-06	2.40E-04	1.12E-04	2.58E-03	2.71E-04	7.64E-05	3.04E-03	1.06E-04	4.84E-09	3.61E-06	2.08E-06	1.12E-04
1755	494961.06	3859001.99	2.31E-04	5.74E-09	3.55E-06	2.06E-06	2.36E-04	1.10E-04	2.53E-03	2.66E-04	7.54E-05	2.98E-03	1.04E-04	4.74E-09	3.55E-06	2.06E-06	1.10E-04
1756	495011.06	3859001.99	2.19E-04	5.46E-09	3.39E-06	2.00E-06	2.25E-04	1.04E-04	2.40E-03	2.54E-04	7.33E-05	2.84E-03	9.92E-05	4.51E-09	3.39E-06	2.00E-06	1.05E-04
1757	495061.06	3859001.99	2.17E-04	5.39E-09	3.36E-06	1.98E-06	2.23E-04	1.03E-04	2.37E-03	2.52E-04	7.27E-05	2.80E-03	9.83E-05	4.45E-09	3.36E-06	1.98E-06	1.04E-04
1758	495111.06	3859001.99	2.13E-04	5.27E-09	3.29E-06	1.95E-06	2.18E-04	1.01E-04	2.32E-03	2.47E-04	7.17E-05	2.74E-03	9.63E-05	4.35E-09	3.29E-06	1.95E-06	1.02E-04
1759	495161.06	3859001.99	2.17E-04	5.33E-09	3.35E-06	1.96E-06	2.22E-04	1.03E-04	2.35E-03	2.51E-04	7.18E-05	2.77E-03	9.82E-05	4.40E-09	3.35E-06	1.96E-06	1.03E-04
1760	495211.06	3859001.99	2.16E-04	5.29E-09	3.33E-06	1.95E-06	2.22E-04	1.03E-04	2.33E-03	2.50E-04	7.14E-05	2.75E-03	9.78E-05	4.37E-09	3.33E-06	1.95E-06	1.03E-04
1761	495261.06	3859001.99	2.17E-04	5.27E-09	3.33E-06	1.94E-06	2.22E-04	1.03E-04	2.32E-03	2.50E-04	7.10E-05	2.75E-03	9.80E-05	4.35E-09	3.33E-06	1.94E-06	1.03E-04
1762	495311.06	3859001.99	2.16E-04	5.23E-09	3.32E-06	1.92E-06	2.21E-04	1.03E-04	2.30E-03	2.49E-04	7.05E-05	2.72E-03	9.75E-05	4.32E-09	3.32E-06	1.92E-06	1.03E-04
1763	495361.06	3859001.99	2.16E-04	5.21E-09	3.32E-06	1.91E-06	2.21E-04	1.03E-04	2.29E-03	2.49E-04	7.02E-05	2.71E-03	9.76E-05	4.30E-09	3.32E-06	1.91E-06	1.03E-04
1764	495411.06	3859001.99	2.15E-04	5.17E-09	3.31E-06	1.90E-06	2.21E-04	1.02E-04	2.28E-03	2.48E-04	6.98E-05	2.70E-03	9.74E-05	4.27E-09	3.31E-06	1.90E-06	1.03E-04
1765	495461.06	3859001.99	2.15E-04	5.15E-09	3.30E-06	1.89E-06	2.20E-04	1.02E-04	2.27E-03	2.47E-04	6.94E-05	2.69E-03	9.73E-05	4.25E-09	3.30E-06	1.89E-06	1.03E-04

1766	495511.06	3859001.99	2.13E-04	5.07E-09	3.26E-06	1.87E-06	2.18E-04	1.01E-04	2.23E-03	2.45E-04	6.87E-05	2.65E-03	9.62E-05	4.19E-09	3.26E-06	1.87E-06	1.01E-04
1767	495561.06	3859001.99	2.11E-04	5.02E-09	3.24E-06	1.86E-06	2.16E-04	1.00E-04	2.21E-03	2.43E-04	6.82E-05	2.62E-03	9.56E-05	4.15E-09	3.24E-06	1.86E-06	1.01E-04
1768	495611.06	3859001.99	2.10E-04	4.96E-09	3.21E-06	1.84E-06	2.15E-04	9.97E-05	2.19E-03	2.41E-04	6.76E-05	2.59E-03	9.49E-05	4.10E-09	3.21E-06	1.84E-06	9.99E-05
1769	495661.06	3859001.99	2.11E-04	4.97E-09	3.23E-06	1.84E-06	2.16E-04	1.00E-04	2.19E-03	2.42E-04	6.75E-05	2.60E-03	9.56E-05	4.11E-09	3.23E-06	1.84E-06	1.01E-04
1770	494311.06	3859051.99	2.70E-04	7.30E-09	4.02E-06	2.43E-06	2.76E-04	1.28E-04	3.21E-03	3.01E-04	8.92E-05	3.73E-03	1.22E-04	6.03E-09	4.02E-06	2.43E-06	1.29E-04
1771	494361.06	3859051.99	2.69E-04	7.28E-09	3.90E-06	2.38E-06	2.76E-04	1.28E-04	3.21E-03	2.92E-04	8.73E-05	3.72E-03	1.22E-04	6.02E-09	3.90E-06	2.38E-06	1.28E-04
1772	494411.06	3859051.99	2.67E-04	7.20E-09	3.88E-06	2.36E-06	2.74E-04	1.27E-04	3.17E-03	2.91E-04	8.65E-05	3.67E-03	1.21E-04	5.94E-09	3.88E-06	2.36E-06	1.27E-04
1773	494461.06	3859051.99	2.65E-04	7.10E-09	3.87E-06	2.34E-06	2.71E-04	1.26E-04	3.13E-03	2.90E-04	8.57E-05	3.63E-03	1.20E-04	5.86E-09	3.87E-06	2.34E-06	1.26E-04
1774	494511.06	3859051.99	2.62E-04	6.98E-09	3.84E-06	2.31E-06	2.68E-04	1.25E-04	3.07E-03	2.88E-04	8.47E-05	3.57E-03	1.19E-04	5.76E-09	3.84E-06	2.31E-06	1.25E-04
1775	494561.06	3859051.99	2.60E-04	6.87E-09	3.82E-06	2.29E-06	2.66E-04	1.24E-04	3.03E-03	2.86E-04	8.38E-05	3.52E-03	1.18E-04	5.68E-09	3.82E-06	2.29E-06	1.24E-04
1776	494611.06	3859051.99	2.56E-04	6.73E-09	3.79E-06	2.26E-06	2.62E-04	1.22E-04	2.97E-03	2.84E-04	8.27E-05	3.45E-03	1.16E-04	5.56E-09	3.79E-06	2.26E-06	1.22E-04
1777	494661.06	3859051.99	2.52E-04	6.59E-09	3.75E-06	2.22E-06	2.58E-04	1.20E-04	2.90E-03	2.81E-04	8.16E-05	3.39E-03	1.14E-04	5.44E-09	3.75E-06	2.22E-06	1.20E-04
1778	494711.06	3859051.99	2.49E-04	6.46E-09	3.71E-06	2.19E-06	2.55E-04	1.18E-04	2.84E-03	2.78E-04	8.05E-05	3.32E-03	1.13E-04	5.33E-09	3.71E-06	2.19E-06	1.18E-04
1779	494761.06	3859051.99	2.45E-04	6.32E-09	3.66E-06	2.16E-06	2.51E-04	1.16E-04	2.78E-03	2.75E-04	7.94E-05	3.26E-03	1.11E-04	5.22E-09	3.66E-06	2.16E-06	1.17E-04
1780	494811.06	3859051.99	2.42E-04	6.22E-09	3.63E-06	2.14E-06	2.48E-04	1.15E-04	2.74E-03	2.72E-04	7.85E-05	3.21E-03	1.10E-04	5.14E-09	3.63E-06	2.14E-06	1.15E-04
1781	494861.06	3859051.99	2.40E-04	6.12E-09	3.60E-06	2.12E-06	2.45E-04	1.14E-04	2.70E-03	2.70E-04	7.76E-05	3.16E-03	1.08E-04	5.06E-09	3.60E-06	2.12E-06	1.14E-04
1782	494911.06	3859051.99	2.35E-04	5.98E-09	3.54E-06	2.09E-06	2.41E-04	1.12E-04	2.63E-03	2.65E-04	7.65E-05	3.09E-03	1.06E-04	4.94E-09	3.54E-06	2.09E-06	1.12E-04
1783	494961.06	3859051.99	2.28E-04	5.78E-09	3.45E-06	2.05E-06	2.33E-04	1.08E-04	2.54E-03	2.58E-04	7.50E-05	2.99E-03	1.03E-04	4.77E-09	3.45E-06	2.05E-06	1.09E-04
1784	495011.06	3859051.99	2.23E-04	5.63E-09	3.37E-06	2.01E-06	2.28E-04	1.06E-04	2.48E-03	2.53E-04	7.38E-05	2.91E-03	1.01E-04	4.65E-09	3.37E-06	2.01E-06	1.06E-04
1785	495061.06	3859051.99	2.19E-04	5.52E-09	3.33E-06	1.99E-06	2.25E-04	1.04E-04	2.43E-03	2.50E-04	7.28E-05	2.86E-03	9.92E-05	4.56E-09	3.33E-06	1.99E-06	1.04E-04
1786	495111.06	3859051.99	2.18E-04	5.46E-09	3.30E-06	1.97E-06	2.23E-04	1.03E-04	2.40E-03	2.48E-04	7.22E-05	2.83E-03	9.84E-05	4.51E-09	3.30E-06	1.97E-06	1.04E-04
1787	495161.06	3859051.99	2.20E-04	5.48E-09	3.33E-06	1.97E-06	2.25E-04	1.04E-04	2.41E-03	2.50E-04	7.21E-05	2.84E-03	9.94E-05	4.53E-09	3.33E-06	1.97E-06	1.05E-04
1788	495211.06	3859051.99	2.18E-04	5.41E-09	3.30E-06	1.95E-06	2.23E-04	1.03E-04	2.38E-03	2.47E-04	7.15E-05	2.80E-03	9.85E-05	4.47E-09	3.30E-06	1.95E-06	1.04E-04
1789	495261.06	3859051.99	2.19E-04	5.41E-09	3.31E-06	1.94E-06	2.24E-04	1.04E-04	2.38E-03	2.48E-04	7.12E-05	2.81E-03	9.90E-05	4.47E-09	3.31E-06	1.94E-06	1.04E-04
1790	495311.06	3859051.99	2.18E-04	5.36E-09	3.29E-06	1.93E-06	2.23E-04	1.03E-04	2.36E-03	2.47E-04	7.07E-05	2.78E-03	9.84E-05	4.42E-09	3.29E-06	1.93E-06	1.04E-04
1791	495361.06	3859051.99	2.17E-04	5.32E-09	3.29E-06	1.92E-06	2.22E-04	1.03E-04	2.34E-03	2.47E-04	7.03E-05	2.76E-03	9.83E-05	4.40E-09	3.29E-06	1.92E-06	1.03E-04
1792	495411.06	3859051.99	2.18E-04	5.31E-09	3.29E-06	1.91E-06	2.23E-04	1.03E-04	2.34E-03	2.47E-04	6.99E-05	2.76E-03	9.84E-05	4.38E-09	3.29E-06	1.91E-06	1.04E-04
1793	495461.06	3859051.99	2.18E-04	5.29E-09	3.29E-06	1.90E-06	2.23E-04	1.04E-04	2.33E-03	2.47E-04	6.96E-05	2.75E-03	9.85E-05	4.37E-09	3.29E-06	1.90E-06	1.04E-04
1794	495511.06	3859051.99	2.15E-04	5.21E-09	3.25E-06	1.88E-06	2.20E-04	1.02E-04	2.29E-03	2.44E-04	6.89E-05	2.71E-03	9.74E-05	4.30E-09	3.25E-06	1.88E-06	1.02E-04
1795	495561.06	3859051.99	2.13E-04	5.14E-09	3.22E-06	1.86E-06	2.18E-04	1.01E-04	2.26E-03	2.42E-04	6.83E-05	2.68E-03	9.65E-05	4.25E-09	3.22E-06	1.86E-06	1.02E-04
1796	495611.06	3859051.99	2.12E-04	5.08E-09	3.20E-06	1.85E-06	2.17E-04	1.01E-04	2.24E-03	2.40E-04	6.77E-05	2.65E-03	9.58E-05	4.20E-09	3.20E-06	1.85E-06	1.01E-04
1797	495661.06	3859051.99	2.13E-04	5.09E-09	3.21E-06	1.84E-06	2.18E-04	1.01E-04	2.24E-03	2.41E-04	6.75E-05	2.65E-03	9.63E-05	4.20E-09	3.21E-06	1.84E-06	1.01E-04
1798	494311.06	3859101.99	2.71E-04	7.56E-09	3.79E-06	2.41E-06	2.77E-04	1.29E-04	3.33E-03	2.84E-04	8.83E-05	3.83E-03	1.23E-04	6.25E-09	3.79E-06	2.41E-06	1.29E-04
1799	494361.06	3859101.99	2.70E-04	7.48E-09	3.77E-06	2.39E-06	2.76E-04	1.28E-04	3.30E-03	2.83E-04	8.76E-05	3.79E-03	1.22E-04	6.18E-09	3.77E-06	2.39E-06	1.28E-04
1800	494411.06	3859101.99	2.68E-04	7.42E-09	3.76E-06	2.37E-06	2.74E-04	1.28E-04	3.27E-03	2.82E-04	8.69E-05	3.76E-03	1.21E-04	6.12E-09	3.76E-06	2.37E-06	1.28E-04
1801	494461.06	3859101.99	2.66E-04	7.31E-09	3.75E-06	2.34E-06	2.72E-04	1.26E-04	3.22E-03	2.81E-04	8.60E-05	3.71E-03	1.20E-04	6.03E-09	3.75E-06	2.34E-06	1.26E-04
1802	494511.06	3859101.99	2.63E-04	7.16E-09	3.73E-06	2.32E-06	2.69E-04	1.25E-04	3.15E-03	2.79E-04	8.49E-05	3.64E-03	1.19E-04	5.91E-09	3.73E-06	2.32E-06	1.25E-04
1803	494561.06	3859101.99	2.60E-04	7.04E-09	3.70E-06	2.29E-06	2.66E-04	1.24E-04	3.10E-03	2.78E-04	8.40E-05	3.58E-03	1.18E-04	5.81E-09	3.70E-06	2.29E-06	1.24E-04
1804	494611.06	3859101.99	2.56E-04	6.86E-09	3.67E-06	2.26E-06	2.62E-04	1.22E-04	3.02E-03	2.75E-04	8.27E-05	3.50E-03	1.16E-04	5.67E-09	3.67E-06	2.26E-06	1.22E-04
1805	494661.06	3859101.99	2.53E-04	6.75E-09	3.65E-06	2.23E-06	2.59E-04	1.20E-04	2.97E-03	2.74E-04	8.17E-05	3.45E-03	1.14E-04	5.58E-09	3.65E-06	2.23E-06	1.20E-04
1806	494711.06	3859101.99	2.48E-04	6.56E-09	3.60E-06	2.19E-06	2.54E-04	1.18E-04	2.89E-03	2.70E-04	8.04E-05	3.36E-03	1.12E-04	5.42E-09	3.60E-06	2.19E-06	1.18E-04
1807	494761.06	3859101.99	2.47E-04	6.50E-09	3.59E-06	2.18E-06	2.52E-04	1.17E-04	2.86E-03	2.69E-04	7.98E-05	3.33E-03	1.12E-04	5.37E-09	3.59E-06	2.18E-06	1.17E-04
1808	494811.06	3859101.99	2.43E-04	6.38E-09	3.55E-06	2.15E-06	2.49E-04	1.16E-04	2.81E-03	2.66E-04	7.87E-05	3.27E-03	1.10E-04	5.27E-09	3.55E-06	2.15E-06	1.16E-04
1809	494861.06	3859101.99	2.40E-04	6.27E-09	3.52E-06	2.12E-06	2.46E-04	1.14E-04	2.76E-03	2.64E-04	7.78E-05	3.22E-03	1.09E-04	5.18E-09	3.52E-06	2.12E-06	1.14E-04
1810	494911.06	3859101.99	2.36E-04	6.11E-09	3.47E-06	2.09E-06	2.41E-04	1.12E-04	2.69E-03	2.60E-04	7.66E-05	3.14E-03	1.07E-04	5.05E-09	3.47E-06	2.09E-06	1.12E-04
1811	494961.06	3859101.99	2.29E-04	5.90E-09	3.38E-06	2.05E-06	2.34E-04	1.09E-04	2.60E-03	2.54E-04	7.50E-05	3.03E-03	1.03E-04	4.87E-09	3.38E-06	2.05E-06	1.09E-04
1812	495011.06	3859101.99	2.21E-04	5.68E-09	3.28E-06	2.00E-06	2.26E-04	1.05E-04	2.50E-03	2.46E-04	7.34E-05	2.92E-03	9.98E-05	4.69E-09	3.28E-06	2.00E-06	1.05E-04
1813	495061.06	3859101.99	2.21E-04	5.66E-09	3.29E-06	1.99E-06	2.26E-04	1.05E-04	2.49E-03	2.46E-04	7.31E-05	2.92E-03	1.00E-04	4.68E-09	3.29E-06	1.99E-06	1.05E-04
1814	495111.06	3859101.99	2.19E-04	5.59E-09	3.26E-06	1.97E-06	2.24E-04	1.04E-04	2.46E-03	2.45E-04	7.24E-05	2.88E-03	9.92E-05	4.62E-09	3.26E-06	1.97E-06	1.04E-04
1815	495161.06	3859101.99	2.21E-04	5.61E-09	3.28E-06	1.97E-06	2.26E-04	1.05E-04	2.47E-03	2.46E-04	7.22E-05	2.89E-03	1.00E-04	4.63E-09	3.28E-06	1.97E-06	1.05E-04
1816	495211.06	3859101.99	2.19E-04	5.54E-09	3.26E-06	1.95E-06	2.25E-04	1.04E-04	2.44E-03	2.45E-04	7.16E-05	2.86E-03	9.93E-05	4.58E-09	3.26E-06	1.95E-06	1.05E-04
1817	495261.06	3859101.99	2.20E-04	5.53E-09	3.27E-06	1.94E-06	2.25E-04	1.05E-04	2.43E-03	2.45E-04	7.13E-05	2.86E-03	9.95E-05	4.57E-09	3.27E-06	1.94E-06	1.05E-04
1818	495311.06	3859101.99	2.20E-04	5.48E-09	3.28E-06	1.94E-06	2.25E-04	1.05E-04	2.42E-03	2.46E-04	7.11E-05	2.84E-03	9.95E-05	4.53E-09	3.28E-06	1.94E-06	1.05E-04
1819	495361.06	3859101.99	2.20E-04	5.48E-09	3.27E-06	1.92E-06	2.25E-04	1.05E-04	2.41E-03	2.45E-04	7.05E-05	2.83E-03	9.96E-05	4.53E-09	3.27E-06	1.92E-06	1.05E-04
1820	495411.06	3859101.99	2.20E-04	5.45E-09	3.26E-06	1.91E-06	2.25E-04	1.05E-04	2.40E-03	2.45E-04	7.02E-05	2.82E-03	9.95E-05	4.50E-09	3.26E-06	1.91E-06	1.05E-04
1821	495461.06	3859101.99	2.19E-04	5.39E-09	3.28E-06	1.91E-06	2.24E-04	1.04E-04	2.38E-03	2.46E-04	6.99E-05	2.80E-03	9.92E-05	4.46E-09	3.28E-06	1.91E-06	1.04E-04
1822	495511.06	3859101.99	2.19E-04	5.35E-09	3.27E-06	1.89E-06	2.24E-04	1.04E-04	2.36E-03	2.45E-04	6.94E-05	2.78E-03	9.88E-05	4.42E-09	3.27E-06	1.89E-06	1.04E-04
1823	495561.06	3859101.99	2.16E-04	5.29E-09	3.21E-06	1.87E-06	2.21E-04	1.03E-04	2.33E-03	2.41E-04	6.85E-05	2.74E-03	9.77E-05	4.37E-09	3.21E-06	1.87E-06	1.03E-04
1824	495611.06	3859101.99	2.14E-04	5.22E-09	3.18E-06	1.85E-06	2.19E-04	1.02E-04	2.30E-03	2.39E-04	6.79E-05	2.71E-03	9.68E-05	4.31E-09	3.18E-06	1.85E-06	1.02E-04
1825	495661.06	3859101.99	2.14E-04	5.20E-09	3.18E-06	1.84E-06	2.19E-04	1.02E-04	2.29E-03	2.39E-04	6.76E-05	2.70E-03	9.69E-05	4.30E-09	3.18E-06	1.84E-06	1.02E-04
1826	494311.06	3859151.99	2.71E-04	7.79E-09	3.66E-06	2.41E-06	2.77E-04	1.29E-04	3.43E-03	2.75E-04	8.83E-05	3.92E-03	1.23E-04	6.43E-09	3.66E-06	2.41E-06	1.29E-04

1827	494361.06	3859151.99	2.70E-04	7.73E-09	3.65E-06	2.39E-06	2.76E-04	1.29E-04	3.40E-03	2.74E-04	8.77E-05	3.89E-03	1.22E-04	6.38E-09	3.65E-06	2.39E-06	1.28E-04
1828	494411.06	3859151.99	2.68E-04	7.59E-09	3.64E-06	2.37E-06	2.74E-04	1.27E-04	3.34E-03	2.73E-04	8.68E-05	3.83E-03	1.21E-04	6.27E-09	3.64E-06	2.37E-06	1.27E-04
1829	494461.06	3859151.99	2.65E-04	7.46E-09	3.62E-06	2.34E-06	2.71E-04	1.26E-04	3.29E-03	2.72E-04	8.58E-05	3.77E-03	1.20E-04	6.16E-09	3.62E-06	2.34E-06	1.26E-04
1830	494511.06	3859151.99	2.62E-04	7.30E-09	3.61E-06	2.31E-06	2.68E-04	1.24E-04	3.21E-03	2.70E-04	8.47E-05	3.69E-03	1.18E-04	6.03E-09	3.61E-06	2.31E-06	1.24E-04
1831	494561.06	3859151.99	2.60E-04	7.20E-09	3.59E-06	2.29E-06	2.66E-04	1.23E-04	3.17E-03	2.69E-04	8.39E-05	3.65E-03	1.17E-04	5.94E-09	3.59E-06	2.29E-06	1.23E-04
1832	494611.06	3859151.99	2.56E-04	7.03E-09	3.57E-06	2.26E-06	2.62E-04	1.22E-04	3.10E-03	2.68E-04	8.28E-05	3.57E-03	1.16E-04	5.81E-09	3.57E-06	2.26E-06	1.22E-04
1833	494661.06	3859151.99	2.54E-04	6.93E-09	3.55E-06	2.23E-06	2.60E-04	1.21E-04	3.05E-03	2.66E-04	8.19E-05	3.52E-03	1.15E-04	5.72E-09	3.55E-06	2.23E-06	1.21E-04
1834	494711.06	3859151.99	2.52E-04	6.84E-09	3.53E-06	2.21E-06	2.58E-04	1.20E-04	3.01E-03	2.65E-04	8.11E-05	3.48E-03	1.14E-04	5.65E-09	3.53E-06	2.21E-06	1.20E-04
1835	494761.06	3859151.99	2.47E-04	6.66E-09	3.50E-06	2.18E-06	2.53E-04	1.18E-04	2.93E-03	2.62E-04	7.98E-05	3.39E-03	1.12E-04	5.50E-09	3.50E-06	2.18E-06	1.18E-04
1836	494811.06	3859151.99	2.44E-04	6.51E-09	3.46E-06	2.15E-06	2.49E-04	1.16E-04	2.87E-03	2.60E-04	7.87E-05	3.32E-03	1.10E-04	5.38E-09	3.46E-06	2.15E-06	1.16E-04
1837	494861.06	3859151.99	2.41E-04	6.41E-09	3.44E-06	2.12E-06	2.47E-04	1.15E-04	2.82E-03	2.58E-04	7.79E-05	3.27E-03	1.09E-04	5.30E-09	3.44E-06	2.12E-06	1.15E-04
1838	494911.06	3859151.99	2.36E-04	6.24E-09	3.39E-06	2.09E-06	2.42E-04	1.12E-04	2.75E-03	2.54E-04	7.66E-05	3.19E-03	1.07E-04	5.15E-09	3.39E-06	2.09E-06	1.12E-04
1839	494961.06	3859151.99	2.30E-04	6.01E-09	3.33E-06	2.05E-06	2.35E-04	1.09E-04	2.65E-03	2.50E-04	7.52E-05	3.08E-03	1.04E-04	4.96E-09	3.33E-06	2.05E-06	1.09E-04
1840	495011.06	3859151.99	2.22E-04	5.81E-09	3.23E-06	2.00E-06	2.28E-04	1.06E-04	2.56E-03	2.42E-04	7.35E-05	2.98E-03	1.01E-04	4.80E-09	3.23E-06	2.00E-06	1.06E-04
1841	495061.06	3859151.99	2.22E-04	5.78E-09	3.23E-06	1.99E-06	2.27E-04	1.06E-04	2.54E-03	2.42E-04	7.30E-05	2.97E-03	1.01E-04	4.77E-09	3.23E-06	1.99E-06	1.06E-04
1842	495111.06	3859151.99	2.21E-04	5.73E-09	3.22E-06	1.98E-06	2.26E-04	1.05E-04	2.52E-03	2.41E-04	7.25E-05	2.94E-03	1.00E-04	4.73E-09	3.22E-06	1.98E-06	1.05E-04
1843	495161.06	3859151.99	2.23E-04	5.75E-09	3.24E-06	1.97E-06	2.28E-04	1.06E-04	2.53E-03	2.43E-04	7.24E-05	2.95E-03	1.01E-04	4.75E-09	3.24E-06	1.97E-06	1.06E-04
1844	495211.06	3859151.99	2.22E-04	5.70E-09	3.23E-06	1.96E-06	2.27E-04	1.06E-04	2.51E-03	2.42E-04	7.19E-05	2.93E-03	1.01E-04	4.71E-09	3.23E-06	1.96E-06	1.06E-04
1845	495261.06	3859151.99	2.22E-04	5.66E-09	3.22E-06	1.95E-06	2.27E-04	1.05E-04	2.49E-03	2.42E-04	7.14E-05	2.91E-03	1.00E-04	4.68E-09	3.22E-06	1.95E-06	1.05E-04
1846	495311.06	3859151.99	2.21E-04	5.63E-09	3.22E-06	1.93E-06	2.26E-04	1.05E-04	2.48E-03	2.41E-04	7.09E-05	2.90E-03	1.00E-04	4.65E-09	3.22E-06	1.93E-06	1.05E-04
1847	495361.06	3859151.99	2.21E-04	5.59E-09	3.21E-06	1.92E-06	2.26E-04	1.05E-04	2.46E-03	2.41E-04	7.05E-05	2.88E-03	9.98E-05	4.62E-09	3.21E-06	1.92E-06	1.05E-04
1848	495411.06	3859151.99	2.22E-04	5.60E-09	3.23E-06	1.92E-06	2.27E-04	1.06E-04	2.47E-03	2.42E-04	7.03E-05	2.89E-03	1.00E-04	4.63E-09	3.23E-06	1.92E-06	1.06E-04
1849	495461.06	3859151.99	2.22E-04	5.57E-09	3.22E-06	1.91E-06	2.27E-04	1.05E-04	2.45E-03	2.42E-04	6.99E-05	2.87E-03	1.00E-04	4.60E-09	3.22E-06	1.91E-06	1.05E-04
1850	495511.06	3859151.99	2.19E-04	5.49E-09	3.19E-06	1.89E-06	2.25E-04	1.04E-04	2.42E-03	2.40E-04	6.92E-05	2.83E-03	9.93E-05	4.53E-09	3.19E-06	1.89E-06	1.04E-04
1851	495561.06	3859151.99	2.18E-04	5.43E-09	3.18E-06	1.87E-06	2.23E-04	1.04E-04	2.39E-03	2.38E-04	6.86E-05	2.80E-03	9.86E-05	4.48E-09	3.18E-06	1.87E-06	1.04E-04
1852	495611.06	3859151.99	2.17E-04	5.38E-09	3.16E-06	1.86E-06	2.22E-04	1.03E-04	2.37E-03	2.37E-04	6.81E-05	2.78E-03	9.81E-05	4.44E-09	3.16E-06	1.86E-06	1.03E-04
1853	495661.06	3859151.99	2.16E-04	5.33E-09	3.15E-06	1.84E-06	2.21E-04	1.03E-04	2.35E-03	2.36E-04	6.76E-05	2.75E-03	9.76E-05	4.40E-09	3.15E-06	1.84E-06	1.03E-04
1854	494311.06	3859201.99	2.71E-04	8.00E-09	3.54E-06	2.40E-06	2.77E-04	1.29E-04	3.52E-03	2.65E-04	8.81E-05	4.01E-03	1.23E-04	6.61E-09	3.54E-06	2.40E-06	1.28E-04
1855	494361.06	3859201.99	2.69E-04	7.91E-09	3.53E-06	2.38E-06	2.75E-04	1.28E-04	3.48E-03	2.65E-04	8.74E-05	3.96E-03	1.22E-04	6.53E-09	3.53E-06	2.38E-06	1.28E-04
1856	494411.06	3859201.99	2.67E-04	7.79E-09	3.52E-06	2.36E-06	2.73E-04	1.27E-04	3.43E-03	2.64E-04	8.65E-05	3.91E-03	1.21E-04	6.44E-09	3.52E-06	2.36E-06	1.27E-04
1857	494461.06	3859201.99	2.64E-04	7.63E-09	3.51E-06	2.33E-06	2.70E-04	1.26E-04	3.36E-03	2.63E-04	8.56E-05	3.83E-03	1.20E-04	6.30E-09	3.51E-06	2.33E-06	1.25E-04
1858	494511.06	3859201.99	2.62E-04	7.51E-09	3.50E-06	2.31E-06	2.68E-04	1.25E-04	3.31E-03	2.62E-04	8.47E-05	3.78E-03	1.19E-04	6.21E-09	3.50E-06	2.31E-06	1.24E-04
1859	494561.06	3859201.99	2.59E-04	7.34E-09	3.48E-06	2.28E-06	2.65E-04	1.23E-04	3.23E-03	2.61E-04	8.36E-05	3.70E-03	1.17E-04	6.06E-09	3.48E-06	2.28E-06	1.23E-04
1860	494611.06	3859201.99	2.56E-04	7.20E-09	3.47E-06	2.25E-06	2.62E-04	1.22E-04	3.17E-03	2.60E-04	8.27E-05	3.64E-03	1.16E-04	5.95E-09	3.47E-06	2.25E-06	1.22E-04
1861	494661.06	3859201.99	2.54E-04	7.09E-09	3.45E-06	2.23E-06	2.59E-04	1.21E-04	3.12E-03	2.59E-04	8.18E-05	3.58E-03	1.15E-04	5.86E-09	3.45E-06	2.23E-06	1.20E-04
1862	494711.06	3859201.99	2.51E-04	6.98E-09	3.43E-06	2.21E-06	2.57E-04	1.20E-04	3.07E-03	2.58E-04	8.10E-05	3.53E-03	1.14E-04	5.76E-09	3.43E-06	2.21E-06	1.19E-04
1863	494761.06	3859201.99	2.48E-04	6.81E-09	3.41E-06	2.18E-06	2.53E-04	1.18E-04	3.00E-03	2.56E-04	7.98E-05	3.45E-03	1.12E-04	5.62E-09	3.41E-06	2.18E-06	1.18E-04
1864	494811.06	3859201.99	2.44E-04	6.67E-09	3.38E-06	2.15E-06	2.50E-04	1.16E-04	2.94E-03	2.53E-04	7.87E-05	3.38E-03	1.10E-04	5.51E-09	3.38E-06	2.15E-06	1.16E-04
1865	494861.06	3859201.99	2.40E-04	6.49E-09	3.36E-06	2.12E-06	2.46E-04	1.14E-04	2.86E-03	2.52E-04	7.78E-05	3.30E-03	1.09E-04	5.36E-09	3.36E-06	2.12E-06	1.14E-04
1866	494911.06	3859201.99	2.35E-04	6.31E-09	3.30E-06	2.08E-06	2.40E-04	1.12E-04	2.78E-03	2.47E-04	7.62E-05	3.22E-03	1.06E-04	5.22E-09	3.30E-06	2.08E-06	1.12E-04
1867	494961.06	3859201.99	2.29E-04	6.12E-09	3.24E-06	2.04E-06	2.34E-04	1.09E-04	2.69E-03	2.43E-04	7.48E-05	3.12E-03	1.04E-04	5.05E-09	3.24E-06	2.04E-06	1.09E-04
1868	495011.06	3859201.99	2.21E-04	5.87E-09	3.15E-06	1.99E-06	2.26E-04	1.05E-04	2.58E-03	2.36E-04	7.31E-05	3.00E-03	1.00E-04	4.84E-09	3.15E-06	1.99E-06	1.05E-04
1869	495061.06	3859201.99	2.24E-04	5.93E-09	3.18E-06	2.00E-06	2.30E-04	1.07E-04	2.61E-03	2.39E-04	7.32E-05	3.03E-03	1.01E-04	4.90E-09	3.18E-06	2.00E-06	1.07E-04
1870	495111.06	3859201.99	2.24E-04	5.91E-09	3.19E-06	1.99E-06	2.30E-04	1.07E-04	2.60E-03	2.39E-04	7.28E-05	3.02E-03	1.02E-04	4.88E-09	3.19E-06	1.99E-06	1.07E-04
1871	495161.06	3859201.99	2.24E-04	5.88E-09	3.18E-06	1.97E-06	2.29E-04	1.07E-04	2.59E-03	2.39E-04	7.24E-05	3.01E-03	1.01E-04	4.86E-09	3.18E-06	1.97E-06	1.07E-04
1872	495211.06	3859201.99	2.23E-04	5.81E-09	3.16E-06	1.96E-06	2.28E-04	1.06E-04	2.56E-03	2.37E-04	7.18E-05	2.98E-03	1.01E-04	4.80E-09	3.16E-06	1.96E-06	1.06E-04
1873	495261.06	3859201.99	2.23E-04	5.80E-09	3.17E-06	1.95E-06	2.28E-04	1.06E-04	2.55E-03	2.38E-04	7.14E-05	2.97E-03	1.01E-04	4.79E-09	3.17E-06	1.95E-06	1.06E-04
1874	495311.06	3859201.99	2.23E-04	5.76E-09	3.16E-06	1.94E-06	2.28E-04	1.06E-04	2.54E-03	2.37E-04	7.10E-05	2.95E-03	1.01E-04	4.76E-09	3.16E-06	1.94E-06	1.06E-04
1875	495361.06	3859201.99	2.22E-04	5.74E-09	3.16E-06	1.93E-06	2.28E-04	1.06E-04	2.53E-03	2.37E-04	7.06E-05	2.94E-03	1.01E-04	4.74E-09	3.16E-06	1.93E-06	1.06E-04
1876	495411.06	3859201.99	2.23E-04	5.74E-09	3.17E-06	1.92E-06	2.29E-04	1.06E-04	2.53E-03	2.38E-04	7.04E-05	2.94E-03	1.01E-04	4.74E-09	3.17E-06	1.92E-06	1.06E-04
1877	495461.06	3859201.99	2.23E-04	5.70E-09	3.16E-06	1.91E-06	2.28E-04	1.06E-04	2.51E-03	2.37E-04	6.99E-05	2.92E-03	1.01E-04	4.71E-09	3.16E-06	1.91E-06	1.06E-04
1878	495511.06	3859201.99	2.22E-04	5.65E-09	3.15E-06	1.89E-06	2.27E-04	1.05E-04	2.49E-03	2.37E-04	6.94E-05	2.90E-03	1.00E-04	4.66E-09	3.15E-06	1.89E-06	1.05E-04
1879	495561.06	3859201.99	2.19E-04	5.56E-09	3.13E-06	1.87E-06	2.24E-04	1.04E-04	2.45E-03	2.35E-04	6.87E-05	2.86E-03	9.92E-05	4.59E-09	3.13E-06	1.87E-06	1.04E-04
1880	495611.06	3859201.99	2.18E-04	5.49E-09	3.11E-06	1.86E-06	2.23E-04	1.04E-04	2.42E-03	2.33E-04	6.81E-05	2.82E-03	9.85E-05	4.54E-09	3.11E-06	1.86E-06	1.03E-04
1881	495661.06	3859201.99	2.17E-04	5.45E-09	3.10E-06	1.84E-06	2.22E-04	1.03E-04	2.40E-03	2.32E-04	6.76E-05	2.80E-03	9.81E-05	4.50E-09	3.10E-06	1.84E-06	1.03E-04
1882	494311.06	3859251.99	2.70E-04	8.22E-09	3.42E-06	2.39E-06	2.76E-04	1.28E-04	3.62E-03	2.56E-04	8.76E-05	4.09E-03	1.22E-04	6.79E-09	3.42E-06	2.39E-06	1.28E-04
1883	494361.06	3859251.99	2.68E-04	8.09E-09	3.41E-06	2.37E-06	2.74E-04	1.27E-04	3.56E-03	2.56E-04	8.68E-05	4.03E-03	1.21E-04	6.68E-09	3.41E-06	2.37E-06	1.27E-04
1884	494411.06	3859251.99	2.65E-04	7.91E-09	3.41E-06	2.34E-06	2.71E-04	1.26E-04	3.48E-03	2.56E-04	8.59E-05	3.95E-03	1.20E-04	6.54E-09	3.41E-06	2.34E-06	1.26E-04
1885	494461.06	3859251.99	2.63E-04	7.80E-09	3.40E-06	2.32E-06	2.69E-04	1.25E-04	3.43E-03	2.55E-04	8.51E-05	3.90E-03	1.19E-04	6.44E-09	3.40E-06	2.32E-06	1.25E-04
1886	494511.06	3859251.99	2.60E-04	7.61E-09	3.39E-06	2.29E-06	2.66E-04	1.24E-04	3.35E-03	2.55E-04	8.41E-05	3.81E-03	1.18E-04	6.29E-09	3.39E-06	2.29E-06	1.23E-04
1887	494561.06	3859251.99	2.58E-04	7.49E-09	3.38E-06	2.27E-06	2.64E-04	1.23E-04	3.30E-03	2.54E-04	8.32E-05	3.76E-03	1.17E-04	6.19E-09	3.38E-06	2.27E-06	1.22E-04

1888	494611.06	3859251.99	2.55E-04	7.34E-09	3.37E-06	2.24E-06	2.61E-04	1.21E-04	3.23E-03	2.53E-04	8.23E-05	3.69E-03	1.15E-04	6.06E-09	3.37E-06	2.24E-06	1.21E-04
1889	494661.06	3859251.99	2.53E-04	7.25E-09	3.36E-06	2.22E-06	2.59E-04	1.20E-04	3.19E-03	2.52E-04	8.16E-05	3.65E-03	1.15E-04	5.99E-09	3.36E-06	2.22E-06	1.20E-04
1890	494711.06	3859251.99	2.51E-04	7.13E-09	3.34E-06	2.20E-06	2.57E-04	1.19E-04	3.14E-03	2.51E-04	8.07E-05	3.59E-03	1.14E-04	5.89E-09	3.34E-06	2.20E-06	1.19E-04
1891	494761.06	3859251.99	2.46E-04	6.85E-09	3.32E-06	2.16E-06	2.51E-04	1.17E-04	3.02E-03	2.49E-04	7.94E-05	3.46E-03	1.11E-04	5.66E-09	3.32E-06	2.16E-06	1.17E-04
1892	494811.06	3859251.99	2.44E-04	6.82E-09	3.30E-06	2.14E-06	2.50E-04	1.16E-04	3.00E-03	2.47E-04	7.86E-05	3.44E-03	1.11E-04	5.63E-09	3.30E-06	2.14E-06	1.16E-04
1893	494861.06	3859251.99	2.39E-04	6.58E-09	3.27E-06	2.11E-06	2.45E-04	1.14E-04	2.90E-03	2.45E-04	7.74E-05	3.33E-03	1.08E-04	5.43E-09	3.27E-06	2.11E-06	1.14E-04
1894	494911.06	3859251.99	2.34E-04	6.39E-09	3.21E-06	2.07E-06	2.39E-04	1.11E-04	2.81E-03	2.41E-04	7.58E-05	3.24E-03	1.06E-04	5.28E-09	3.21E-06	2.07E-06	1.11E-04
1895	494961.06	3859251.99	2.31E-04	6.28E-09	3.19E-06	2.04E-06	2.36E-04	1.10E-04	2.76E-03	2.39E-04	7.49E-05	3.19E-03	1.04E-04	5.19E-09	3.19E-06	2.04E-06	1.10E-04
1896	495011.06	3859251.99	2.28E-04	6.15E-09	3.15E-06	2.02E-06	2.33E-04	1.08E-04	2.71E-03	2.36E-04	7.39E-05	3.13E-03	1.03E-04	5.08E-09	3.15E-06	2.02E-06	1.08E-04
1897	495061.06	3859251.99	2.28E-04	6.14E-09	3.15E-06	2.01E-06	2.33E-04	1.08E-04	2.70E-03	2.37E-04	7.36E-05	3.12E-03	1.03E-04	5.07E-09	3.15E-06	2.01E-06	1.08E-04
1898	495111.06	3859251.99	2.27E-04	6.08E-09	3.14E-06	1.99E-06	2.32E-04	1.08E-04	2.68E-03	2.36E-04	7.30E-05	3.09E-03	1.03E-04	5.02E-09	3.14E-06	1.99E-06	1.08E-04
1899	495161.06	3859251.99	2.26E-04	6.04E-09	3.13E-06	1.98E-06	2.31E-04	1.08E-04	2.66E-03	2.35E-04	7.26E-05	3.08E-03	1.02E-04	4.99E-09	3.13E-06	1.98E-06	1.07E-04
1900	495211.06	3859251.99	2.25E-04	5.98E-09	3.12E-06	1.96E-06	2.30E-04	1.07E-04	2.63E-03	2.34E-04	7.19E-05	3.05E-03	1.02E-04	4.94E-09	3.12E-06	1.96E-06	1.07E-04
1901	495261.06	3859251.99	2.25E-04	5.94E-09	3.13E-06	1.96E-06	2.30E-04	1.07E-04	2.62E-03	2.35E-04	7.18E-05	3.03E-03	1.02E-04	4.91E-09	3.13E-06	1.96E-06	1.07E-04
1902	495311.06	3859251.99	2.25E-04	5.93E-09	3.12E-06	1.94E-06	2.30E-04	1.07E-04	2.61E-03	2.34E-04	7.12E-05	3.02E-03	1.02E-04	4.90E-09	3.12E-06	1.94E-06	1.07E-04
1903	495361.06	3859251.99	2.24E-04	5.89E-09	3.11E-06	1.93E-06	2.29E-04	1.06E-04	2.59E-03	2.33E-04	7.07E-05	3.00E-03	1.01E-04	4.86E-09	3.11E-06	1.93E-06	1.06E-04
1904	495411.06	3859251.99	2.25E-04	5.89E-09	3.11E-06	1.92E-06	2.30E-04	1.07E-04	2.59E-03	2.34E-04	7.05E-05	3.00E-03	1.02E-04	4.86E-09	3.11E-06	1.92E-06	1.07E-04
1905	495461.06	3859251.99	2.24E-04	5.84E-09	3.11E-06	1.91E-06	2.29E-04	1.06E-04	2.57E-03	2.33E-04	7.00E-05	2.98E-03	1.01E-04	4.82E-09	3.11E-06	1.91E-06	1.06E-04
1906	495511.06	3859251.99	2.21E-04	5.75E-09	3.08E-06	1.89E-06	2.26E-04	1.05E-04	2.53E-03	2.31E-04	6.92E-05	2.94E-03	1.00E-04	4.75E-09	3.08E-06	1.89E-06	1.05E-04
1907	495561.06	3859251.99	2.20E-04	5.69E-09	3.07E-06	1.87E-06	2.25E-04	1.05E-04	2.51E-03	2.30E-04	6.87E-05	2.91E-03	9.96E-05	4.70E-09	3.07E-06	1.87E-06	1.05E-04
1908	495611.06	3859251.99	2.18E-04	5.61E-09	3.05E-06	1.85E-06	2.23E-04	1.04E-04	2.47E-03	2.29E-04	6.80E-05	2.87E-03	9.88E-05	4.63E-09	3.05E-06	1.85E-06	1.04E-04
1909	495661.06	3859251.99	2.17E-04	5.55E-09	3.04E-06	1.84E-06	2.22E-04	1.03E-04	2.45E-03	2.28E-04	6.74E-05	2.84E-03	9.82E-05	4.59E-09	3.04E-06	1.84E-06	1.03E-04
1910	494311.06	3859301.99	2.68E-04	8.42E-09	3.30E-06	2.37E-06	2.74E-04	1.27E-04	3.71E-03	2.48E-04	8.68E-05	4.17E-03	1.21E-04	6.96E-09	3.30E-06	2.37E-06	1.27E-04
1911	494361.06	3859301.99	2.66E-04	8.28E-09	3.30E-06	2.35E-06	2.72E-04	1.27E-04	3.65E-03	2.47E-04	8.60E-05	4.11E-03	1.20E-04	6.84E-09	3.30E-06	2.35E-06	1.26E-04
1912	494411.06	3859301.99	2.64E-04	8.10E-09	3.30E-06	2.32E-06	2.69E-04	1.25E-04	3.57E-03	2.48E-04	8.52E-05	4.03E-03	1.19E-04	6.69E-09	3.30E-06	2.32E-06	1.25E-04
1913	494461.06	3859301.99	2.61E-04	7.92E-09	3.30E-06	2.30E-06	2.67E-04	1.24E-04	3.49E-03	2.47E-04	8.43E-05	3.95E-03	1.18E-04	6.54E-09	3.30E-06	2.30E-06	1.24E-04
1914	494511.06	3859301.99	2.59E-04	7.77E-09	3.29E-06	2.28E-06	2.64E-04	1.23E-04	3.42E-03	2.47E-04	8.35E-05	3.88E-03	1.17E-04	6.42E-09	3.29E-06	2.28E-06	1.23E-04
1915	494561.06	3859301.99	2.57E-04	7.65E-09	3.29E-06	2.26E-06	2.62E-04	1.22E-04	3.37E-03	2.46E-04	8.27E-05	3.82E-03	1.16E-04	6.32E-09	3.29E-06	2.26E-06	1.22E-04
1916	494611.06	3859301.99	2.55E-04	7.51E-09	3.28E-06	2.23E-06	2.60E-04	1.21E-04	3.31E-03	2.46E-04	8.19E-05	3.76E-03	1.15E-04	6.21E-09	3.28E-06	2.23E-06	1.21E-04
1917	494661.06	3859301.99	2.52E-04	7.38E-09	3.27E-06	2.21E-06	2.58E-04	1.20E-04	3.25E-03	2.45E-04	8.10E-05	3.70E-03	1.14E-04	6.10E-09	3.27E-06	2.21E-06	1.20E-04
1918	494711.06	3859301.99	2.50E-04	7.23E-09	3.25E-06	2.19E-06	2.55E-04	1.19E-04	3.19E-03	2.44E-04	8.01E-05	3.63E-03	1.13E-04	5.97E-09	3.25E-06	2.19E-06	1.18E-04
1919	494761.06	3859301.99	2.47E-04	7.10E-09	3.24E-06	2.16E-06	2.52E-04	1.17E-04	3.13E-03	2.43E-04	7.93E-05	3.57E-03	1.12E-04	5.86E-09	3.24E-06	2.16E-06	1.17E-04
1920	494811.06	3859301.99	2.43E-04	6.92E-09	3.22E-06	2.13E-06	2.49E-04	1.16E-04	3.05E-03	2.41E-04	7.81E-05	3.48E-03	1.10E-04	5.71E-09	3.22E-06	2.13E-06	1.15E-04
1921	494861.06	3859301.99	2.38E-04	6.68E-09	3.19E-06	2.09E-06	2.43E-04	1.13E-04	2.94E-03	2.39E-04	7.67E-05	3.37E-03	1.08E-04	5.52E-09	3.19E-06	2.09E-06	1.13E-04
1922	494911.06	3859301.99	2.35E-04	6.55E-09	3.16E-06	2.07E-06	2.40E-04	1.12E-04	2.89E-03	2.37E-04	7.58E-05	3.31E-03	1.06E-04	5.41E-09	3.16E-06	2.07E-06	1.12E-04
1923	494961.06	3859301.99	2.29E-04	6.32E-09	3.12E-06	2.03E-06	2.34E-04	1.09E-04	2.78E-03	2.34E-04	7.44E-05	3.20E-03	1.04E-04	5.22E-09	3.12E-06	2.03E-06	1.09E-04
1924	495011.06	3859301.99	2.27E-04	6.23E-09	3.09E-06	2.01E-06	2.32E-04	1.08E-04	2.74E-03	2.32E-04	7.37E-05	3.16E-03	1.03E-04	5.14E-09	3.09E-06	2.01E-06	1.08E-04
1925	495061.06	3859301.99	2.30E-04	6.30E-09	3.12E-06	2.02E-06	2.35E-04	1.09E-04	2.77E-03	2.34E-04	7.39E-05	3.19E-03	1.04E-04	5.20E-09	3.12E-06	2.02E-06	1.09E-04
1926	495111.06	3859301.99	2.27E-04	6.18E-09	3.09E-06	1.99E-06	2.32E-04	1.08E-04	2.72E-03	2.31E-04	7.29E-05	3.13E-03	1.03E-04	5.10E-09	3.09E-06	1.99E-06	1.08E-04
1927	495161.06	3859301.99	2.26E-04	6.15E-09	3.07E-06	1.97E-06	2.31E-04	1.08E-04	2.71E-03	2.30E-04	7.23E-05	3.12E-03	1.02E-04	5.08E-09	3.07E-06	1.97E-06	1.07E-04
1928	495211.06	3859301.99	2.27E-04	6.15E-09	3.08E-06	1.97E-06	2.32E-04	1.08E-04	2.71E-03	2.31E-04	7.21E-05	3.12E-03	1.03E-04	5.08E-09	3.08E-06	1.97E-06	1.08E-04
1929	495261.06	3859301.99	2.27E-04	6.13E-09	3.07E-06	1.96E-06	2.32E-04	1.08E-04	2.70E-03	2.30E-04	7.17E-05	3.11E-03	1.03E-04	5.07E-09	3.07E-06	1.96E-06	1.08E-04
1930	495311.06	3859301.99	2.25E-04	6.05E-09	3.05E-06	1.94E-06	2.30E-04	1.07E-04	2.66E-03	2.29E-04	7.10E-05	3.07E-03	1.02E-04	4.99E-09	3.05E-06	1.94E-06	1.07E-04
1931	495361.06	3859301.99	2.25E-04	6.03E-09	3.05E-06	1.93E-06	2.30E-04	1.07E-04	2.66E-03	2.29E-04	7.07E-05	3.06E-03	1.02E-04	4.98E-09	3.05E-06	1.93E-06	1.07E-04
1932	495411.06	3859301.99	2.25E-04	6.00E-09	3.05E-06	1.92E-06	2.30E-04	1.07E-04	2.64E-03	2.29E-04	7.03E-05	3.05E-03	1.02E-04	4.95E-09	3.05E-06	1.92E-06	1.07E-04
1933	495461.06	3859301.99	2.24E-04	5.97E-09	3.04E-06	1.91E-06	2.29E-04	1.07E-04	2.63E-03	2.28E-04	6.99E-05	3.03E-03	1.01E-04	4.93E-09	3.04E-06	1.91E-06	1.06E-04
1934	495511.06	3859301.99	2.23E-04	5.89E-09	3.03E-06	1.89E-06	2.28E-04	1.06E-04	2.60E-03	2.27E-04	6.92E-05	3.00E-03	1.01E-04	4.87E-09	3.03E-06	1.89E-06	1.06E-04
1935	495561.06	3859301.99	2.20E-04	5.78E-09	3.00E-06	1.87E-06	2.25E-04	1.04E-04	2.54E-03	2.25E-04	6.84E-05	2.94E-03	9.94E-05	4.77E-09	3.00E-06	1.87E-06	1.04E-04
1936	495611.06	3859301.99	2.19E-04	5.72E-09	2.99E-06	1.85E-06	2.23E-04	1.04E-04	2.52E-03	2.24E-04	6.79E-05	2.91E-03	9.89E-05	4.72E-09	2.99E-06	1.85E-06	1.04E-04
1937	495661.06	3859301.99	2.17E-04	5.66E-09	2.98E-06	1.84E-06	2.22E-04	1.03E-04	2.49E-03	2.23E-04	6.73E-05	2.89E-03	9.83E-05	4.68E-09	2.98E-06	1.84E-06	1.03E-04
1938	494311.06	3859351.99	2.65E-04	8.58E-09	3.19E-06	2.34E-06	2.71E-04	1.26E-04	3.78E-03	2.39E-04	8.57E-05	4.23E-03	1.20E-04	7.09E-09	3.19E-06	2.34E-06	1.26E-04
1939	494361.06	3859351.99	2.64E-04	8.43E-09	3.19E-06	2.32E-06	2.69E-04	1.25E-04	3.71E-03	2.39E-04	8.50E-05	4.16E-03	1.19E-04	6.96E-09	3.19E-06	2.32E-06	1.25E-04
1940	494411.06	3859351.99	2.61E-04	8.23E-09	3.20E-06	2.30E-06	2.67E-04	1.24E-04	3.63E-03	2.40E-04	8.42E-05	4.07E-03	1.18E-04	6.80E-09	3.20E-06	2.30E-06	1.24E-04
1941	494461.06	3859351.99	2.59E-04	8.06E-09	3.20E-06	2.28E-06	2.64E-04	1.23E-04	3.55E-03	2.40E-04	8.34E-05	4.00E-03	1.17E-04	6.66E-09	3.20E-06	2.28E-06	1.23E-04
1942	494511.06	3859351.99	2.57E-04	7.91E-09	3.20E-06	2.25E-06	2.62E-04	1.22E-04	3.48E-03	2.40E-04	8.27E-05	3.93E-03	1.16E-04	6.54E-09	3.20E-06	2.25E-06	1.22E-04
1943	494561.06	3859351.99	2.55E-04	7.80E-09	3.19E-06	2.23E-06	2.61E-04	1.21E-04	3.43E-03	2.40E-04	8.19E-05	3.88E-03	1.15E-04	6.44E-09	3.19E-06	2.23E-06	1.21E-04
1944	494611.06	3859351.99	2.53E-04	7.67E-09	3.19E-06	2.21E-06	2.59E-04	1.20E-04	3.38E-03	2.39E-04	8.12E-05	3.82E-03	1.15E-04	6.34E-09	3.19E-06	2.21E-06	1.20E-04
1945	494661.06	3859351.99	2.51E-04	7.54E-09	3.18E-06	2.19E-06	2.57E-04	1.19E-04	3.32E-03	2.39E-04	8.04E-05	3.76E-03	1.14E-04	6.22E-09	3.18E-06	2.19E-06	1.19E-04
1946	494711.06	3859351.99	2.48E-04	7.37E-09	3.17E-06	2.17E-06	2.54E-04	1.18E-04	3.25E-03	2.38E-04	7.95E-05	3.68E-03	1.12E-04	6.09E-09	3.17E-06	2.17E-06	1.18E-04
1947	494761.06	3859351.99	2.45E-04	7.16E-09	3.17E-06	2.15E-06	2.50E-04	1.17E-04	3.15E-03	2.38E-04	7.87E-05	3.59E-03	1.11E-04	5.91E-09	3.17E-06	2.15E-06	1.16E-04
1948	494811.06	3859351.99	2.40E-04	6.90E-09	3.14E-06	2.10E-06	2.45E-04	1.14E-04	3.04E-03	2.36E-04	7.71E-05	3.47E-03	1.08E-04	5.70E-09	3.14E-06	2.10E-06	1.14E-04

1949	494861.06	3859351.99	2.37E-04	6.80E-09	3.12E-06	2.08E-06	2.43E-04	1.13E-04	2.99E-03	2.34E-04	7.63E-05	3.42E-03	1.07E-04	5.61E-09	3.12E-06	2.08E-06	1.13E-04
1950	494911.06	3859351.99	2.36E-04	6.72E-09	3.11E-06	2.06E-06	2.41E-04	1.12E-04	2.96E-03	2.33E-04	7.57E-05	3.38E-03	1.07E-04	5.55E-09	3.11E-06	2.06E-06	1.12E-04
1951	494961.06	3859351.99	2.33E-04	6.60E-09	3.09E-06	2.04E-06	2.39E-04	1.11E-04	2.91E-03	2.32E-04	7.48E-05	3.32E-03	1.06E-04	5.45E-09	3.09E-06	2.04E-06	1.11E-04
1952	495011.06	3859351.99	2.32E-04	6.51E-09	3.07E-06	2.02E-06	2.37E-04	1.10E-04	2.87E-03	2.30E-04	7.41E-05	3.28E-03	1.05E-04	5.38E-09	3.07E-06	2.02E-06	1.10E-04
1953	495061.06	3859351.99	2.33E-04	6.54E-09	3.07E-06	2.02E-06	2.38E-04	1.11E-04	2.88E-03	2.30E-04	7.39E-05	3.29E-03	1.05E-04	5.40E-09	3.07E-06	2.02E-06	1.10E-04
1954	495111.06	3859351.99	2.31E-04	6.44E-09	3.05E-06	2.00E-06	2.36E-04	1.10E-04	2.84E-03	2.29E-04	7.32E-05	3.25E-03	1.04E-04	5.32E-09	3.05E-06	2.00E-06	1.09E-04
1955	495161.06	3859351.99	2.30E-04	6.39E-09	3.04E-06	1.98E-06	2.35E-04	1.09E-04	2.81E-03	2.28E-04	7.27E-05	3.22E-03	1.04E-04	5.27E-09	3.04E-06	1.98E-06	1.09E-04
1956	495211.06	3859351.99	2.29E-04	6.33E-09	3.03E-06	1.97E-06	2.34E-04	1.09E-04	2.79E-03	2.27E-04	7.21E-05	3.19E-03	1.03E-04	5.23E-09	3.03E-06	1.97E-06	1.08E-04
1957	495261.06	3859351.99	2.28E-04	6.30E-09	3.02E-06	1.96E-06	2.33E-04	1.09E-04	2.77E-03	2.27E-04	7.17E-05	3.18E-03	1.03E-04	5.20E-09	3.02E-06	1.96E-06	1.08E-04
1958	495311.06	3859351.99	2.27E-04	6.22E-09	3.01E-06	1.94E-06	2.32E-04	1.08E-04	2.74E-03	2.25E-04	7.11E-05	3.14E-03	1.03E-04	5.14E-09	3.01E-06	1.94E-06	1.07E-04
1959	495361.06	3859351.99	2.26E-04	6.17E-09	3.00E-06	1.92E-06	2.31E-04	1.07E-04	2.72E-03	2.25E-04	7.06E-05	3.12E-03	1.02E-04	5.10E-09	3.00E-06	1.92E-06	1.07E-04
1960	495411.06	3859351.99	2.25E-04	6.14E-09	2.99E-06	1.91E-06	2.30E-04	1.07E-04	2.70E-03	2.24E-04	7.02E-05	3.11E-03	1.02E-04	5.07E-09	2.99E-06	1.91E-06	1.07E-04
1961	495461.06	3859351.99	2.25E-04	6.12E-09	2.99E-06	1.90E-06	2.30E-04	1.07E-04	2.70E-03	2.24E-04	6.98E-05	3.10E-03	1.02E-04	5.06E-09	2.99E-06	1.90E-06	1.07E-04
1962	495511.06	3859351.99	2.23E-04	6.02E-09	2.97E-06	1.88E-06	2.28E-04	1.06E-04	2.65E-03	2.23E-04	6.91E-05	3.05E-03	1.01E-04	4.97E-09	2.97E-06	1.88E-06	1.06E-04
1963	495561.06	3859351.99	2.21E-04	5.94E-09	2.95E-06	1.87E-06	2.26E-04	1.05E-04	2.62E-03	2.21E-04	6.84E-05	3.01E-03	1.00E-04	4.90E-09	2.95E-06	1.87E-06	1.05E-04
1964	495611.06	3859351.99	2.20E-04	5.88E-09	2.94E-06	1.85E-06	2.25E-04	1.05E-04	2.59E-03	2.21E-04	6.79E-05	2.98E-03	9.96E-05	4.86E-09	2.94E-06	1.85E-06	1.04E-04
1965	495661.06	3859351.99	2.18E-04	5.78E-09	2.92E-06	1.83E-06	2.22E-04	1.04E-04	2.54E-03	2.19E-04	6.72E-05	2.93E-03	9.85E-05	4.77E-09	2.92E-06	1.83E-06	1.03E-04
1966	494311.06	3859401.99	2.63E-04	8.78E-09	3.07E-06	2.31E-06	2.68E-04	1.25E-04	3.87E-03	2.30E-04	8.45E-05	4.31E-03	1.19E-04	7.25E-09	3.07E-06	2.31E-06	1.24E-04
1967	494361.06	3859401.99	2.61E-04	8.57E-09	3.08E-06	2.29E-06	2.66E-04	1.24E-04	3.78E-03	2.31E-04	8.38E-05	4.21E-03	1.18E-04	7.08E-09	3.08E-06	2.29E-06	1.23E-04
1968	494411.06	3859401.99	2.58E-04	8.36E-09	3.10E-06	2.27E-06	2.64E-04	1.23E-04	3.68E-03	2.32E-04	8.31E-05	4.12E-03	1.17E-04	6.91E-09	3.10E-06	2.27E-06	1.22E-04
1969	494461.06	3859401.99	2.57E-04	8.21E-09	3.10E-06	2.25E-06	2.62E-04	1.22E-04	3.61E-03	2.33E-04	8.24E-05	4.05E-03	1.16E-04	6.78E-09	3.10E-06	2.25E-06	1.21E-04
1970	494511.06	3859401.99	2.55E-04	8.10E-09	3.10E-06	2.23E-06	2.61E-04	1.21E-04	3.57E-03	2.32E-04	8.17E-05	4.00E-03	1.15E-04	6.69E-09	3.10E-06	2.23E-06	1.21E-04
1971	494561.06	3859401.99	2.54E-04	7.97E-09	3.10E-06	2.21E-06	2.59E-04	1.21E-04	3.51E-03	2.32E-04	8.10E-05	3.95E-03	1.15E-04	6.59E-09	3.10E-06	2.21E-06	1.20E-04
1972	494611.06	3859401.99	2.52E-04	7.82E-09	3.10E-06	2.19E-06	2.57E-04	1.20E-04	3.44E-03	2.32E-04	8.03E-05	3.88E-03	1.14E-04	6.46E-09	3.10E-06	2.19E-06	1.19E-04
1973	494661.06	3859401.99	2.50E-04	7.71E-09	3.09E-06	2.17E-06	2.55E-04	1.19E-04	3.40E-03	2.32E-04	7.97E-05	3.83E-03	1.13E-04	6.37E-09	3.09E-06	2.17E-06	1.18E-04
1974	494711.06	3859401.99	2.48E-04	7.58E-09	3.09E-06	2.15E-06	2.53E-04	1.18E-04	3.34E-03	2.31E-04	7.90E-05	3.77E-03	1.12E-04	6.26E-09	3.09E-06	2.15E-06	1.18E-04
1975	494761.06	3859401.99	2.45E-04	7.35E-09	3.09E-06	2.13E-06	2.50E-04	1.16E-04	3.24E-03	2.32E-04	7.82E-05	3.66E-03	1.11E-04	6.07E-09	3.09E-06	2.13E-06	1.16E-04
1976	494811.06	3859401.99	2.42E-04	7.19E-09	3.08E-06	2.10E-06	2.47E-04	1.15E-04	3.16E-03	2.31E-04	7.71E-05	3.59E-03	1.09E-04	5.93E-09	3.08E-06	2.10E-06	1.15E-04
1977	494861.06	3859401.99	2.38E-04	6.98E-09	3.07E-06	2.07E-06	2.43E-04	1.13E-04	3.07E-03	2.30E-04	7.60E-05	3.49E-03	1.08E-04	5.76E-09	3.07E-06	2.07E-06	1.13E-04
1978	494911.06	3859401.99	2.36E-04	6.84E-09	3.05E-06	2.05E-06	2.41E-04	1.12E-04	3.01E-03	2.29E-04	7.53E-05	3.43E-03	1.07E-04	5.65E-09	3.05E-06	2.05E-06	1.12E-04
1979	494961.06	3859401.99	2.34E-04	6.77E-09	3.04E-06	2.03E-06	2.39E-04	1.11E-04	2.98E-03	2.28E-04	7.46E-05	3.40E-03	1.06E-04	5.59E-09	3.04E-06	2.03E-06	1.11E-04
1980	495011.06	3859401.99	2.33E-04	6.72E-09	3.03E-06	2.02E-06	2.38E-04	1.11E-04	2.96E-03	2.27E-04	7.40E-05	3.37E-03	1.06E-04	5.55E-09	3.03E-06	2.02E-06	1.11E-04
1981	495061.06	3859401.99	2.33E-04	6.67E-09	3.02E-06	2.01E-06	2.38E-04	1.11E-04	2.94E-03	2.26E-04	7.38E-05	3.35E-03	1.05E-04	5.51E-09	3.02E-06	2.01E-06	1.10E-04
1982	495111.06	3859401.99	2.31E-04	6.56E-09	3.00E-06	1.99E-06	2.36E-04	1.10E-04	2.89E-03	2.25E-04	7.30E-05	3.30E-03	1.04E-04	5.42E-09	3.00E-06	1.99E-06	1.09E-04
1983	495161.06	3859401.99	2.30E-04	6.53E-09	2.99E-06	1.97E-06	2.35E-04	1.09E-04	2.88E-03	2.24E-04	7.24E-05	3.28E-03	1.04E-04	5.39E-09	2.99E-06	1.97E-06	1.09E-04
1984	495211.06	3859401.99	2.30E-04	6.50E-09	2.98E-06	1.96E-06	2.35E-04	1.09E-04	2.86E-03	2.23E-04	7.20E-05	3.27E-03	1.04E-04	5.37E-09	2.98E-06	1.96E-06	1.09E-04
1985	495261.06	3859401.99	2.29E-04	6.45E-09	2.97E-06	1.95E-06	2.34E-04	1.09E-04	2.84E-03	2.22E-04	7.15E-05	3.24E-03	1.03E-04	5.32E-09	2.97E-06	1.95E-06	1.08E-04
1986	495311.06	3859401.99	2.28E-04	6.38E-09	2.95E-06	1.93E-06	2.32E-04	1.08E-04	2.81E-03	2.22E-04	7.09E-05	3.21E-03	1.03E-04	5.27E-09	2.95E-06	1.93E-06	1.08E-04
1987	495361.06	3859401.99	2.27E-04	6.37E-09	2.95E-06	1.92E-06	2.32E-04	1.08E-04	2.80E-03	2.21E-04	7.06E-05	3.20E-03	1.03E-04	5.26E-09	2.95E-06	1.92E-06	1.08E-04
1988	495411.06	3859401.99	2.27E-04	6.33E-09	2.94E-06	1.91E-06	2.32E-04	1.08E-04	2.79E-03	2.20E-04	7.01E-05	3.18E-03	1.03E-04	5.22E-09	2.94E-06	1.91E-06	1.07E-04
1989	495461.06	3859401.99	2.25E-04	6.25E-09	2.93E-06	1.90E-06	2.30E-04	1.07E-04	2.75E-03	2.19E-04	6.96E-05	3.15E-03	1.02E-04	5.16E-09	2.93E-06	1.90E-06	1.07E-04
1990	495511.06	3859401.99	2.23E-04	6.15E-09	2.91E-06	1.88E-06	2.28E-04	1.06E-04	2.71E-03	2.18E-04	6.88E-05	3.10E-03	1.01E-04	5.08E-09	2.91E-06	1.88E-06	1.06E-04
1991	495561.06	3859401.99	2.21E-04	6.03E-09	2.89E-06	1.86E-06	2.25E-04	1.05E-04	2.66E-03	2.17E-04	6.80E-05	3.04E-03	9.98E-05	4.98E-09	2.89E-06	1.86E-06	1.05E-04
1992	495611.06	3859401.99	2.19E-04	5.96E-09	2.88E-06	1.84E-06	2.24E-04	1.04E-04	2.62E-03	2.16E-04	6.75E-05	3.01E-03	9.92E-05	4.92E-09	2.88E-06	1.84E-06	1.04E-04
1993	495661.06	3859401.99	2.18E-04	5.90E-09	2.87E-06	1.83E-06	2.23E-04	1.04E-04	2.60E-03	2.15E-04	6.70E-05	2.99E-03	9.87E-05	4.88E-09	2.87E-06	1.83E-06	1.03E-04
1994	494311.06	3859451.99	2.59E-04	8.89E-09	2.96E-06	2.27E-06	2.65E-04	1.23E-04	3.92E-03	2.22E-04	8.31E-05	4.35E-03	1.17E-04	7.35E-09	2.96E-06	2.27E-06	1.23E-04
1995	494361.06	3859451.99	2.58E-04	8.71E-09	2.97E-06	2.25E-06	2.63E-04	1.22E-04	3.83E-03	2.23E-04	8.25E-05	4.26E-03	1.17E-04	7.19E-09	2.97E-06	2.25E-06	1.22E-04
1996	494411.06	3859451.99	2.55E-04	8.44E-09	3.01E-06	2.23E-06	2.60E-04	1.21E-04	3.72E-03	2.25E-04	8.18E-05	4.15E-03	1.15E-04	6.97E-09	3.01E-06	2.23E-06	1.21E-04
1997	494461.06	3859451.99	2.54E-04	8.35E-09	3.00E-06	2.21E-06	2.59E-04	1.21E-04	3.68E-03	2.25E-04	8.12E-05	4.10E-03	1.15E-04	6.90E-09	3.00E-06	2.21E-06	1.20E-04
1998	494511.06	3859451.99	2.52E-04	8.20E-09	3.01E-06	2.20E-06	2.57E-04	1.20E-04	3.61E-03	2.25E-04	8.05E-05	4.04E-03	1.14E-04	6.77E-09	3.01E-06	2.20E-06	1.19E-04
1999	494561.06	3859451.99	2.51E-04	8.08E-09	3.01E-06	2.18E-06	2.56E-04	1.19E-04	3.56E-03	2.25E-04	7.99E-05	3.98E-03	1.13E-04	6.67E-09	3.01E-06	2.18E-06	1.19E-04
2000	494611.06	3859451.99	2.50E-04	8.00E-09	3.00E-06	2.16E-06	2.55E-04	1.19E-04	3.52E-03	2.25E-04	7.93E-05	3.95E-03	1.13E-04	6.61E-09	3.00E-06	2.16E-06	1.18E-04
2001	494661.06	3859451.99	2.48E-04	7.84E-09	3.00E-06	2.15E-06	2.53E-04	1.18E-04	3.45E-03	2.25E-04	7.87E-05	3.88E-03	1.12E-04	6.48E-09	3.00E-06	2.15E-06	1.17E-04
2002	494711.06	3859451.99	2.46E-04	7.69E-09	3.01E-06	2.13E-06	2.51E-04	1.17E-04	3.39E-03	2.25E-04	7.80E-05	3.81E-03	1.11E-04	6.35E-09	3.01E-06	2.13E-06	1.16E-04
2003	494761.06	3859451.99	2.44E-04	7.56E-09	3.00E-06	2.11E-06	2.49E-04	1.16E-04	3.33E-03	2.25E-04	7.73E-05	3.75E-03	1.10E-04	6.24E-09	3.00E-06	2.11E-06	1.16E-04
2004	494811.06	3859451.99	2.41E-04	7.37E-09	3.00E-06	2.08E-06	2.47E-04	1.15E-04	3.24E-03	2.25E-04	7.64E-05	3.66E-03	1.09E-04	6.09E-09	3.00E-06	2.08E-06	1.14E-04
2005	494861.06	3859451.99	2.39E-04	7.21E-09	3.00E-06	2.06E-06	2.44E-04	1.14E-04	3.18E-03	2.25E-04	7.57E-05	3.59E-03	1.08E-04	5.96E-09	3.00E-06	2.06E-06	1.13E-04
2006	494911.06	3859451.99	2.37E-04	7.09E-09	2.99E-06	2.04E-06	2.42E-04	1.13E-04	3.12E-03	2.24E-04	7.50E-05	3.54E-03	1.07E-04	5.86E-09	2.99E-06	2.04E-06	1.12E-04
2007	494961.06	3859451.99	2.36E-04	7.02E-09	2.98E-06	2.03E-06	2.41E-04	1.12E-04	3.09E-03	2.23E-04	7.44E-05	3.50E-03	1.07E-04	5.80E-09	2.98E-06	2.03E-06	1.12E-04
2008	495011.06	3859451.99	2.35E-04	6.93E-09	2.97E-06	2.01E-06	2.40E-04	1.12E-04	3.05E-03	2.23E-04	7.38E-05	3.46E-03	1.06E-04	5.73E-09	2.97E-06	2.01E-06	1.11E-04
2009	495061.06	3859451.99	2.33E-04	6.85E-09	2.96E-06	2.00E-06	2.38E-04	1.11E-04	3.01E-03	2.22E-04	7.32E-05	3.42E-03	1.05E-04	5.65E-09	2.96E-06	2.00E-06	1.10E-04

2010	495111.06	3859451.99	2.32E-04	6.76E-09	2.94E-06	1.98E-06	2.37E-04	1.10E-04	2.98E-03	2.21E-04	7.26E-05	3.38E-03	1.05E-04	5.58E-09	2.94E-06	1.98E-06	1.10E-04
2011	495161.06	3859451.99	2.31E-04	6.71E-09	2.93E-06	1.97E-06	2.36E-04	1.10E-04	2.96E-03	2.20E-04	7.21E-05	3.36E-03	1.04E-04	5.54E-09	2.93E-06	1.97E-06	1.09E-04
2012	495211.06	3859451.99	2.30E-04	6.68E-09	2.92E-06	1.95E-06	2.35E-04	1.10E-04	2.94E-03	2.19E-04	7.17E-05	3.34E-03	1.04E-04	5.52E-09	2.92E-06	1.95E-06	1.09E-04
2013	495261.06	3859451.99	2.30E-04	6.64E-09	2.91E-06	1.94E-06	2.35E-04	1.09E-04	2.93E-03	2.18E-04	7.12E-05	3.32E-03	1.04E-04	5.49E-09	2.91E-06	1.94E-06	1.09E-04
2014	495311.06	3859451.99	2.29E-04	6.57E-09	2.90E-06	1.93E-06	2.33E-04	1.09E-04	2.89E-03	2.18E-04	7.07E-05	3.29E-03	1.03E-04	5.43E-09	2.90E-06	1.93E-06	1.08E-04
2015	495361.06	3859451.99	2.28E-04	6.52E-09	2.89E-06	1.92E-06	2.32E-04	1.08E-04	2.87E-03	2.17E-04	7.02E-05	3.27E-03	1.03E-04	5.38E-09	2.89E-06	1.92E-06	1.08E-04
2016	495411.06	3859451.99	2.26E-04	6.45E-09	2.88E-06	1.90E-06	2.31E-04	1.08E-04	2.84E-03	2.16E-04	6.97E-05	3.23E-03	1.02E-04	5.32E-09	2.88E-06	1.90E-06	1.07E-04
2017	495461.06	3859451.99	2.25E-04	6.39E-09	2.87E-06	1.89E-06	2.30E-04	1.07E-04	2.81E-03	2.15E-04	6.92E-05	3.21E-03	1.02E-04	5.28E-09	2.87E-06	1.89E-06	1.07E-04
2018	495511.06	3859451.99	2.23E-04	6.27E-09	2.86E-06	1.87E-06	2.28E-04	1.06E-04	2.76E-03	2.14E-04	6.84E-05	3.15E-03	1.01E-04	5.18E-09	2.86E-06	1.87E-06	1.06E-04
2019	495561.06	3859451.99	2.22E-04	6.19E-09	2.84E-06	1.85E-06	2.26E-04	1.05E-04	2.73E-03	2.13E-04	6.79E-05	3.11E-03	1.00E-04	5.11E-09	2.84E-06	1.85E-06	1.05E-04
2020	495611.06	3859451.99	2.20E-04	6.11E-09	2.83E-06	1.84E-06	2.25E-04	1.05E-04	2.69E-03	2.12E-04	6.73E-05	3.08E-03	9.96E-05	5.05E-09	2.83E-06	1.84E-06	1.04E-04
2021	495661.06	3859451.99	2.19E-04	6.04E-09	2.82E-06	1.82E-06	2.23E-04	1.04E-04	2.66E-03	2.11E-04	6.67E-05	3.04E-03	9.90E-05	4.99E-09	2.82E-06	1.82E-06	1.04E-04
2022	494311.06	3859501.99	2.56E-04	9.04E-09	2.84E-06	2.23E-06	2.61E-04	1.22E-04	3.98E-03	2.13E-04	8.16E-05	4.40E-03	1.16E-04	7.46E-09	2.84E-06	2.23E-06	1.21E-04
2023	494361.06	3859501.99	2.54E-04	8.85E-09	2.86E-06	2.21E-06	2.60E-04	1.21E-04	3.90E-03	2.15E-04	8.10E-05	4.31E-03	1.15E-04	7.31E-09	2.86E-06	2.21E-06	1.20E-04
2024	494411.06	3859501.99	2.52E-04	8.52E-09	2.91E-06	2.19E-06	2.57E-04	1.20E-04	3.75E-03	2.18E-04	8.04E-05	4.17E-03	1.14E-04	7.04E-09	2.91E-06	2.19E-06	1.19E-04
2025	494461.06	3859501.99	2.51E-04	8.51E-09	2.89E-06	2.18E-06	2.56E-04	1.19E-04	3.75E-03	2.17E-04	7.99E-05	4.16E-03	1.14E-04	7.03E-09	2.89E-06	2.18E-06	1.19E-04
2026	494511.06	3859501.99	2.50E-04	8.34E-09	2.90E-06	2.16E-06	2.55E-04	1.19E-04	3.67E-03	2.18E-04	7.93E-05	4.09E-03	1.13E-04	6.88E-09	2.90E-06	2.16E-06	1.18E-04
2027	494561.06	3859501.99	2.48E-04	8.19E-09	2.91E-06	2.15E-06	2.53E-04	1.18E-04	3.61E-03	2.18E-04	7.87E-05	4.02E-03	1.12E-04	6.76E-09	2.91E-06	2.15E-06	1.17E-04
2028	494611.06	3859501.99	2.48E-04	8.18E-09	2.89E-06	2.13E-06	2.53E-04	1.18E-04	3.60E-03	2.17E-04	7.82E-05	4.02E-03	1.12E-04	6.76E-09	2.89E-06	2.13E-06	1.17E-04
2029	494661.06	3859501.99	2.46E-04	8.00E-09	2.91E-06	2.11E-06	2.51E-04	1.17E-04	3.52E-03	2.18E-04	7.75E-05	3.94E-03	1.11E-04	6.61E-09	2.91E-06	2.11E-06	1.16E-04
2030	494711.06	3859501.99	2.43E-04	7.79E-09	2.92E-06	2.10E-06	2.48E-04	1.16E-04	3.43E-03	2.19E-04	7.69E-05	3.84E-03	1.10E-04	6.43E-09	2.92E-06	2.10E-06	1.15E-04
2031	494761.06	3859501.99	2.43E-04	7.74E-09	2.91E-06	2.08E-06	2.48E-04	1.15E-04	3.41E-03	2.18E-04	7.63E-05	3.82E-03	1.10E-04	6.39E-09	2.91E-06	2.08E-06	1.15E-04
2032	494811.06	3859501.99	2.40E-04	7.48E-09	2.93E-06	2.06E-06	2.45E-04	1.14E-04	3.29E-03	2.20E-04	7.55E-05	3.70E-03	1.08E-04	6.18E-09	2.93E-06	2.06E-06	1.13E-04
2033	494861.06	3859501.99	2.38E-04	7.37E-09	2.92E-06	2.04E-06	2.43E-04	1.13E-04	3.25E-03	2.19E-04	7.49E-05	3.65E-03	1.08E-04	6.09E-09	2.92E-06	2.04E-06	1.13E-04
2034	494911.06	3859501.99	2.37E-04	7.30E-09	2.91E-06	2.03E-06	2.42E-04	1.13E-04	3.21E-03	2.19E-04	7.43E-05	3.62E-03	1.07E-04	6.03E-09	2.91E-06	2.03E-06	1.12E-04
2035	494961.06	3859501.99	2.35E-04	7.17E-09	2.91E-06	2.01E-06	2.40E-04	1.12E-04	3.16E-03	2.18E-04	7.37E-05	3.56E-03	1.06E-04	5.92E-09	2.91E-06	2.01E-06	1.11E-04
2036	495011.06	3859501.99	2.34E-04	7.10E-09	2.90E-06	2.00E-06	2.39E-04	1.11E-04	3.13E-03	2.18E-04	7.32E-05	3.53E-03	1.06E-04	5.87E-09	2.90E-06	2.00E-06	1.11E-04
2037	495061.06	3859501.99	2.33E-04	7.04E-09	2.89E-06	1.98E-06	2.38E-04	1.11E-04	3.10E-03	2.17E-04	7.27E-05	3.50E-03	1.06E-04	5.82E-09	2.89E-06	1.98E-06	1.10E-04
2038	495111.06	3859501.99	2.31E-04	6.92E-09	2.88E-06	1.96E-06	2.36E-04	1.10E-04	3.05E-03	2.16E-04	7.20E-05	3.45E-03	1.05E-04	5.72E-09	2.88E-06	1.96E-06	1.10E-04
2039	495161.06	3859501.99	2.31E-04	6.86E-09	2.87E-06	1.95E-06	2.35E-04	1.10E-04	3.02E-03	2.15E-04	7.15E-05	3.42E-03	1.04E-04	5.67E-09	2.87E-06	1.95E-06	1.09E-04
2040	495211.06	3859501.99	2.30E-04	6.84E-09	2.86E-06	1.94E-06	2.35E-04	1.09E-04	3.01E-03	2.14E-04	7.11E-05	3.41E-03	1.04E-04	5.65E-09	2.86E-06	1.94E-06	1.09E-04
2041	495261.06	3859501.99	2.29E-04	6.78E-09	2.85E-06	1.93E-06	2.34E-04	1.09E-04	2.99E-03	2.14E-04	7.06E-05	3.38E-03	1.04E-04	5.60E-09	2.85E-06	1.93E-06	1.08E-04
2042	495311.06	3859501.99	2.29E-04	6.74E-09	2.84E-06	1.91E-06	2.33E-04	1.09E-04	2.97E-03	2.13E-04	7.02E-05	3.36E-03	1.03E-04	5.56E-09	2.84E-06	1.91E-06	1.08E-04
2043	495361.06	3859501.99	2.27E-04	6.67E-09	2.83E-06	1.90E-06	2.32E-04	1.08E-04	2.94E-03	2.12E-04	6.97E-05	3.33E-03	1.03E-04	5.51E-09	2.83E-06	1.90E-06	1.08E-04
2044	495411.06	3859501.99	2.26E-04	6.61E-09	2.82E-06	1.89E-06	2.31E-04	1.08E-04	2.91E-03	2.11E-04	6.92E-05	3.30E-03	1.02E-04	5.46E-09	2.82E-06	1.89E-06	1.07E-04
2045	495461.06	3859501.99	2.25E-04	6.54E-09	2.81E-06	1.87E-06	2.30E-04	1.07E-04	2.88E-03	2.11E-04	6.87E-05	3.26E-03	1.02E-04	5.40E-09	2.81E-06	1.87E-06	1.07E-04
2046	495511.06	3859501.99	2.23E-04	6.38E-09	2.80E-06	1.86E-06	2.27E-04	1.06E-04	2.81E-03	2.10E-04	6.81E-05	3.19E-03	1.01E-04	5.27E-09	2.80E-06	1.86E-06	1.05E-04
2047	495561.06	3859501.99	2.22E-04	6.35E-09	2.79E-06	1.84E-06	2.27E-04	1.06E-04	2.80E-03	2.09E-04	6.75E-05	3.18E-03	1.00E-04	5.24E-09	2.79E-06	1.84E-06	1.05E-04
2048	495611.06	3859501.99	2.20E-04	6.26E-09	2.78E-06	1.83E-06	2.25E-04	1.05E-04	2.76E-03	2.08E-04	6.69E-05	3.14E-03	9.97E-05	5.17E-09	2.78E-06	1.83E-06	1.04E-04
2049	495661.06	3859501.99	2.19E-04	6.17E-09	2.77E-06	1.81E-06	2.23E-04	1.04E-04	2.72E-03	2.08E-04	6.64E-05	3.10E-03	9.90E-05	5.10E-09	2.77E-06	1.81E-06	1.04E-04
2050	494311.06	3859551.99	2.53E-04	9.16E-09	2.72E-06	2.18E-06	2.58E-04	1.20E-04	4.03E-03	2.04E-04	8.00E-05	4.44E-03	1.14E-04	7.56E-09	2.72E-06	2.18E-06	1.19E-04
2051	494361.06	3859551.99	2.51E-04	8.93E-09	2.75E-06	2.17E-06	2.56E-04	1.19E-04	3.93E-03	2.06E-04	7.96E-05	4.34E-03	1.14E-04	7.38E-09	2.75E-06	2.17E-06	1.18E-04
2052	494411.06	3859551.99	2.48E-04	8.60E-09	2.81E-06	2.16E-06	2.53E-04	1.18E-04	3.79E-03	2.10E-04	7.90E-05	4.19E-03	1.12E-04	7.10E-09	2.81E-06	2.16E-06	1.17E-04
2053	494461.06	3859551.99	2.48E-04	8.63E-09	2.78E-06	2.14E-06	2.53E-04	1.18E-04	3.80E-03	2.09E-04	7.85E-05	4.21E-03	1.12E-04	7.13E-09	2.78E-06	2.14E-06	1.17E-04
2054	494511.06	3859551.99	2.47E-04	8.46E-09	2.80E-06	2.12E-06	2.52E-04	1.17E-04	3.73E-03	2.10E-04	7.79E-05	4.13E-03	1.12E-04	6.99E-09	2.80E-06	2.12E-06	1.17E-04
2055	494561.06	3859551.99	2.45E-04	8.33E-09	2.80E-06	2.11E-06	2.50E-04	1.17E-04	3.67E-03	2.10E-04	7.73E-05	4.07E-03	1.11E-04	6.88E-09	2.80E-06	2.11E-06	1.16E-04
2056	494611.06	3859551.99	2.45E-04	8.26E-09	2.80E-06	2.10E-06	2.50E-04	1.16E-04	3.64E-03	2.10E-04	7.68E-05	4.04E-03	1.11E-04	6.82E-09	2.80E-06	2.10E-06	1.16E-04
2057	494661.06	3859551.99	2.44E-04	8.15E-09	2.80E-06	2.08E-06	2.48E-04	1.16E-04	3.59E-03	2.10E-04	7.63E-05	3.99E-03	1.10E-04	6.73E-09	2.80E-06	2.08E-06	1.15E-04
2058	494711.06	3859551.99	2.40E-04	7.83E-09	2.85E-06	2.06E-06	2.45E-04	1.14E-04	3.45E-03	2.13E-04	7.56E-05	3.85E-03	1.09E-04	6.47E-09	2.85E-06	2.06E-06	1.14E-04
2059	494761.06	3859551.99	2.41E-04	7.88E-09	2.82E-06	2.05E-06	2.46E-04	1.14E-04	3.47E-03	2.11E-04	7.51E-05	3.87E-03	1.09E-04	6.51E-09	2.82E-06	2.05E-06	1.14E-04
2060	494811.06	3859551.99	2.38E-04	7.65E-09	2.84E-06	2.03E-06	2.43E-04	1.13E-04	3.37E-03	2.13E-04	7.45E-05	3.77E-03	1.08E-04	6.32E-09	2.84E-06	2.03E-06	1.13E-04
2061	494861.06	3859551.99	2.37E-04	7.55E-09	2.84E-06	2.02E-06	2.42E-04	1.13E-04	3.32E-03	2.13E-04	7.39E-05	3.72E-03	1.07E-04	6.23E-09	2.84E-06	2.02E-06	1.12E-04
2062	494911.06	3859551.99	2.35E-04	7.42E-09	2.84E-06	2.00E-06	2.40E-04	1.12E-04	3.27E-03	2.13E-04	7.33E-05	3.67E-03	1.06E-04	6.13E-09	2.84E-06	2.00E-06	1.11E-04
2063	494961.06	3859551.99	2.34E-04	7.35E-09	2.83E-06	1.99E-06	2.39E-04	1.11E-04	3.24E-03	2.12E-04	7.28E-05	3.64E-03	1.06E-04	6.07E-09	2.83E-06	1.99E-06	1.11E-04
2064	495011.06	3859551.99	2.34E-04	7.30E-09	2.82E-06	1.97E-06	2.39E-04	1.11E-04	3.22E-03	2.11E-04	7.24E-05	3.61E-03	1.06E-04	6.03E-09	2.82E-06	1.97E-06	1.11E-04
2065	495061.06	3859551.99	2.33E-04	7.21E-09	2.81E-06	1.96E-06	2.37E-04	1.11E-04	3.18E-03	2.11E-04	7.18E-05	3.57E-03	1.05E-04	5.96E-09	2.81E-06	1.96E-06	1.10E-04
2066	495111.06	3859551.99	2.31E-04	7.10E-09	2.81E-06	1.94E-06	2.36E-04	1.10E-04	3.13E-03	2.11E-04	7.13E-05	3.52E-03	1.05E-04	5.86E-09	2.81E-06	1.94E-06	1.09E-04
2067	495161.06	3859551.99	2.30E-04	7.05E-09	2.80E-06	1.93E-06	2.35E-04	1.10E-04	3.10E-03	2.10E-04	7.08E-05	3.50E-03	1.04E-04	5.82E-09	2.80E-06	1.93E-06	1.09E-04
2068	495211.06	3859551.99	2.30E-04	7.02E-09	2.79E-06	1.92E-06	2.35E-04	1.09E-04	3.09E-03	2.09E-04	7.04E-05	3.48E-03	1.04E-04	5.80E-09	2.79E-06	1.92E-06	1.09E-04
2069	495261.06	3859551.99	2.29E-04	6.93E-09	2.78E-06	1.91E-06	2.33E-04	1.09E-04	3.05E-03	2.09E-04	6.99E-05	3.44E-03	1.03E-04	5.72E-09	2.78E-06	1.91E-06	1.08E-04
2070	495311.06	3859551.99	2.28E-04	6.86E-09	2.77E-06	1.89E-06	2.32E-04	1.08E-04	3.02E-03	2.08E-04	6.94E-05	3.41E-03	1.03E-04	5.66E-09	2.77E-06	1.89E-06	1.08E-04

2071	495361.06	3859551.99	2.27E-04	6.80E-09	2.76E-06	1.88E-06	2.31E-04	1.08E-04	3.00E-03	2.07E-04	6.89E-05	3.38E-03	1.03E-04	5.62E-09	2.76E-06	1.88E-06	1.07E-04
2072	495411.06	3859551.99	2.26E-04	6.76E-09	2.75E-06	1.87E-06	2.31E-04	1.07E-04	2.98E-03	2.06E-04	6.85E-05	3.36E-03	1.02E-04	5.58E-09	2.75E-06	1.87E-06	1.07E-04
2073	495461.06	3859551.99	2.24E-04	6.65E-09	2.75E-06	1.85E-06	2.29E-04	1.07E-04	2.93E-03	2.06E-04	6.79E-05	3.31E-03	1.01E-04	5.49E-09	2.75E-06	1.85E-06	1.06E-04
2074	495511.06	3859551.99	2.22E-04	6.53E-09	2.74E-06	1.84E-06	2.27E-04	1.06E-04	2.88E-03	2.06E-04	6.73E-05	3.25E-03	1.01E-04	5.39E-09	2.74E-06	1.84E-06	1.05E-04
2075	495561.06	3859551.99	2.21E-04	6.46E-09	2.73E-06	1.82E-06	2.26E-04	1.05E-04	2.85E-03	2.05E-04	6.69E-05	3.22E-03	1.00E-04	5.34E-09	2.73E-06	1.82E-06	1.05E-04
2076	495611.06	3859551.99	2.20E-04	6.39E-09	2.72E-06	1.81E-06	2.25E-04	1.05E-04	2.81E-03	2.04E-04	6.64E-05	3.19E-03	9.95E-05	5.28E-09	2.72E-06	1.81E-06	1.04E-04
2077	495661.06	3859551.99	2.19E-04	6.30E-09	2.71E-06	1.80E-06	2.23E-04	1.04E-04	2.77E-03	2.04E-04	6.58E-05	3.15E-03	9.88E-05	5.20E-09	2.71E-06	1.80E-06	1.03E-04
2078	494311.06	3859601.99	2.49E-04	9.31E-09	2.60E-06	2.14E-06	2.54E-04	1.19E-04	4.10E-03	1.95E-04	7.84E-05	4.49E-03	1.13E-04	7.69E-09	2.60E-06	2.14E-06	1.18E-04
2079	494361.06	3859601.99	2.47E-04	8.94E-09	2.66E-06	2.13E-06	2.52E-04	1.17E-04	3.94E-03	1.99E-04	7.80E-05	4.33E-03	1.12E-04	7.39E-09	2.66E-06	2.13E-06	1.17E-04
2080	494411.06	3859601.99	2.45E-04	8.74E-09	2.69E-06	2.11E-06	2.50E-04	1.17E-04	3.85E-03	2.02E-04	7.75E-05	4.25E-03	1.11E-04	7.22E-09	2.69E-06	2.11E-06	1.16E-04
2081	494461.06	3859601.99	2.45E-04	8.76E-09	2.66E-06	2.10E-06	2.50E-04	1.17E-04	3.86E-03	2.00E-04	7.69E-05	4.25E-03	1.11E-04	7.23E-09	2.66E-06	2.10E-06	1.16E-04
2082	494511.06	3859601.99	2.43E-04	8.52E-09	2.70E-06	2.08E-06	2.48E-04	1.16E-04	3.75E-03	2.02E-04	7.64E-05	4.15E-03	1.10E-04	7.04E-09	2.70E-06	2.08E-06	1.15E-04
2083	494561.06	3859601.99	2.43E-04	8.50E-09	2.68E-06	2.07E-06	2.48E-04	1.15E-04	3.75E-03	2.01E-04	7.59E-05	4.14E-03	1.10E-04	7.02E-09	2.68E-06	2.07E-06	1.15E-04
2084	494611.06	3859601.99	2.42E-04	8.44E-09	2.68E-06	2.06E-06	2.47E-04	1.15E-04	3.72E-03	2.01E-04	7.54E-05	4.11E-03	1.10E-04	6.97E-09	2.68E-06	2.06E-06	1.14E-04
2085	494661.06	3859601.99	2.40E-04	8.18E-09	2.71E-06	2.04E-06	2.45E-04	1.14E-04	3.60E-03	2.03E-04	7.49E-05	4.00E-03	1.09E-04	6.76E-09	2.71E-06	2.04E-06	1.13E-04
2086	494711.06	3859601.99	2.38E-04	7.97E-09	2.74E-06	2.03E-06	2.43E-04	1.13E-04	3.51E-03	2.06E-04	7.43E-05	3.90E-03	1.08E-04	6.58E-09	2.74E-06	2.03E-06	1.12E-04
2087	494761.06	3859601.99	2.39E-04	8.07E-09	2.70E-06	2.01E-06	2.43E-04	1.13E-04	3.55E-03	2.03E-04	7.39E-05	3.94E-03	1.08E-04	6.67E-09	2.70E-06	2.01E-06	1.13E-04
2088	494811.06	3859601.99	2.36E-04	7.83E-09	2.73E-06	2.00E-06	2.41E-04	1.12E-04	3.45E-03	2.05E-04	7.33E-05	3.84E-03	1.07E-04	6.47E-09	2.73E-06	2.00E-06	1.12E-04
2089	494861.06	3859601.99	2.35E-04	7.74E-09	2.73E-06	1.99E-06	2.40E-04	1.12E-04	3.41E-03	2.05E-04	7.28E-05	3.80E-03	1.07E-04	6.39E-09	2.73E-06	1.99E-06	1.11E-04
2090	494911.06	3859601.99	2.34E-04	7.56E-09	2.75E-06	1.97E-06	2.38E-04	1.11E-04	3.33E-03	2.06E-04	7.22E-05	3.72E-03	1.06E-04	6.25E-09	2.75E-06	1.97E-06	1.10E-04
2091	494961.06	3859601.99	2.34E-04	7.58E-09	2.72E-06	1.96E-06	2.38E-04	1.11E-04	3.34E-03	2.04E-04	7.18E-05	3.73E-03	1.06E-04	6.26E-09	2.72E-06	1.96E-06	1.10E-04
2092	495011.06	3859601.99	2.32E-04	7.40E-09	2.74E-06	1.94E-06	2.36E-04	1.10E-04	3.26E-03	2.05E-04	7.13E-05	3.65E-03	1.05E-04	6.11E-09	2.74E-06	1.94E-06	1.09E-04
2093	495061.06	3859601.99	2.31E-04	7.38E-09	2.72E-06	1.93E-06	2.36E-04	1.10E-04	3.25E-03	2.04E-04	7.08E-05	3.63E-03	1.05E-04	6.09E-09	2.72E-06	1.93E-06	1.09E-04
2094	495111.06	3859601.99	2.30E-04	7.25E-09	2.73E-06	1.92E-06	2.34E-04	1.09E-04	3.19E-03	2.05E-04	7.03E-05	3.58E-03	1.04E-04	5.99E-09	2.73E-06	1.92E-06	1.09E-04
2095	495161.06	3859601.99	2.29E-04	7.21E-09	2.72E-06	1.91E-06	2.34E-04	1.09E-04	3.17E-03	2.04E-04	6.99E-05	3.56E-03	1.04E-04	5.95E-09	2.72E-06	1.91E-06	1.08E-04
2096	495211.06	3859601.99	2.28E-04	7.14E-09	2.71E-06	1.89E-06	2.33E-04	1.09E-04	3.14E-03	2.03E-04	6.94E-05	3.52E-03	1.03E-04	5.89E-09	2.71E-06	1.89E-06	1.08E-04
2097	495261.06	3859601.99	2.28E-04	7.08E-09	2.70E-06	1.88E-06	2.32E-04	1.08E-04	3.12E-03	2.03E-04	6.90E-05	3.50E-03	1.03E-04	5.85E-09	2.70E-06	1.88E-06	1.08E-04
2098	495311.06	3859601.99	2.27E-04	7.03E-09	2.69E-06	1.87E-06	2.31E-04	1.08E-04	3.10E-03	2.02E-04	6.85E-05	3.48E-03	1.03E-04	5.81E-09	2.69E-06	1.87E-06	1.07E-04
2099	495361.06	3859601.99	2.26E-04	6.96E-09	2.69E-06	1.86E-06	2.30E-04	1.07E-04	3.06E-03	2.02E-04	6.81E-05	3.44E-03	1.02E-04	5.75E-09	2.69E-06	1.86E-06	1.07E-04
2100	495411.06	3859601.99	2.25E-04	6.91E-09	2.68E-06	1.85E-06	2.30E-04	1.07E-04	3.04E-03	2.01E-04	6.77E-05	3.42E-03	1.02E-04	5.70E-09	2.68E-06	1.85E-06	1.06E-04
2101	495461.06	3859601.99	2.23E-04	6.77E-09	2.68E-06	1.83E-06	2.28E-04	1.06E-04	2.98E-03	2.01E-04	6.71E-05	3.35E-03	1.01E-04	5.59E-09	2.68E-06	1.83E-06	1.05E-04
2102	495511.06	3859601.99	2.21E-04	6.64E-09	2.68E-06	1.82E-06	2.26E-04	1.05E-04	2.93E-03	2.01E-04	6.66E-05	3.30E-03	1.00E-04	5.49E-09	2.68E-06	1.82E-06	1.05E-04
2103	495561.06	3859601.99	2.21E-04	6.62E-09	2.67E-06	1.81E-06	2.25E-04	1.05E-04	2.91E-03	2.00E-04	6.62E-05	3.29E-03	9.99E-05	5.46E-09	2.67E-06	1.81E-06	1.04E-04
2104	495611.06	3859601.99	2.19E-04	6.48E-09	2.67E-06	1.79E-06	2.23E-04	1.04E-04	2.85E-03	2.00E-04	6.56E-05	3.22E-03	9.90E-05	5.35E-09	2.67E-06	1.79E-06	1.03E-04
2105	495661.06	3859601.99	2.18E-04	6.43E-09	2.66E-06	1.78E-06	2.22E-04	1.04E-04	2.83E-03	1.99E-04	6.52E-05	3.20E-03	9.86E-05	5.31E-09	2.66E-06	1.78E-06	1.03E-04
2106	494311.06	3859651.99	2.46E-04	9.35E-09	2.49E-06	2.09E-06	2.50E-04	1.17E-04	4.12E-03	1.87E-04	7.68E-05	4.50E-03	1.11E-04	7.72E-09	2.49E-06	2.09E-06	1.16E-04
2107	494361.06	3859651.99	2.43E-04	9.01E-09	2.55E-06	2.08E-06	2.48E-04	1.16E-04	3.97E-03	1.91E-04	7.64E-05	4.35E-03	1.10E-04	7.45E-09	2.55E-06	2.08E-06	1.15E-04
2108	494411.06	3859651.99	2.42E-04	8.89E-09	2.56E-06	2.07E-06	2.47E-04	1.15E-04	3.91E-03	1.92E-04	7.59E-05	4.30E-03	1.10E-04	7.34E-09	2.56E-06	2.07E-06	1.14E-04
2109	494461.06	3859651.99	2.42E-04	8.89E-09	2.54E-06	2.05E-06	2.47E-04	1.15E-04	3.92E-03	1.91E-04	7.53E-05	4.30E-03	1.09E-04	7.34E-09	2.54E-06	2.05E-06	1.14E-04
2110	494511.06	3859651.99	2.41E-04	8.75E-09	2.56E-06	2.04E-06	2.45E-04	1.15E-04	3.85E-03	1.92E-04	7.48E-05	4.23E-03	1.09E-04	7.23E-09	2.56E-06	2.04E-06	1.14E-04
2111	494561.06	3859651.99	2.40E-04	8.66E-09	2.56E-06	2.03E-06	2.45E-04	1.14E-04	3.81E-03	1.92E-04	7.43E-05	4.20E-03	1.09E-04	7.15E-09	2.56E-06	2.03E-06	1.13E-04
2112	494611.06	3859651.99	2.39E-04	8.57E-09	2.56E-06	2.01E-06	2.44E-04	1.14E-04	3.77E-03	1.92E-04	7.39E-05	4.15E-03	1.08E-04	7.08E-09	2.56E-06	2.01E-06	1.13E-04
2113	494661.06	3859651.99	2.37E-04	8.28E-09	2.61E-06	2.00E-06	2.42E-04	1.13E-04	3.65E-03	1.96E-04	7.34E-05	4.03E-03	1.07E-04	6.84E-09	2.61E-06	2.00E-06	1.12E-04
2114	494711.06	3859651.99	2.36E-04	8.20E-09	2.61E-06	1.99E-06	2.41E-04	1.12E-04	3.61E-03	1.96E-04	7.30E-05	3.99E-03	1.07E-04	6.77E-09	2.61E-06	1.99E-06	1.12E-04
2115	494761.06	3859651.99	2.36E-04	8.15E-09	2.60E-06	1.98E-06	2.40E-04	1.12E-04	3.59E-03	1.95E-04	7.25E-05	3.97E-03	1.07E-04	6.73E-09	2.60E-06	1.98E-06	1.11E-04
2116	494811.06	3859651.99	2.34E-04	7.99E-09	2.62E-06	1.96E-06	2.39E-04	1.11E-04	3.52E-03	1.97E-04	7.20E-05	3.90E-03	1.06E-04	6.60E-09	2.62E-06	1.96E-06	1.11E-04
2117	494861.06	3859651.99	2.33E-04	7.91E-09	2.62E-06	1.95E-06	2.38E-04	1.11E-04	3.49E-03	1.97E-04	7.15E-05	3.86E-03	1.06E-04	6.54E-09	2.62E-06	1.95E-06	1.10E-04
2118	494911.06	3859651.99	2.32E-04	7.80E-09	2.63E-06	1.94E-06	2.37E-04	1.10E-04	3.44E-03	1.97E-04	7.10E-05	3.81E-03	1.05E-04	6.44E-09	2.63E-06	1.94E-06	1.10E-04
2119	494961.06	3859651.99	2.31E-04	7.72E-09	2.63E-06	1.92E-06	2.36E-04	1.10E-04	3.40E-03	1.97E-04	7.06E-05	3.78E-03	1.05E-04	6.37E-09	2.63E-06	1.92E-06	1.09E-04
2120	495011.06	3859651.99	2.30E-04	7.61E-09	2.63E-06	1.91E-06	2.35E-04	1.10E-04	3.35E-03	1.97E-04	7.01E-05	3.73E-03	1.04E-04	6.29E-09	2.63E-06	1.91E-06	1.09E-04
2121	495061.06	3859651.99	2.30E-04	7.55E-09	2.62E-06	1.90E-06	2.34E-04	1.09E-04	3.33E-03	1.97E-04	6.97E-05	3.70E-03	1.04E-04	6.24E-09	2.62E-06	1.90E-06	1.08E-04
2122	495111.06	3859651.99	2.29E-04	7.44E-09	2.63E-06	1.89E-06	2.33E-04	1.09E-04	3.28E-03	1.97E-04	6.92E-05	3.65E-03	1.03E-04	6.15E-09	2.63E-06	1.89E-06	1.08E-04
2123	495161.06	3859651.99	2.28E-04	7.37E-09	2.63E-06	1.88E-06	2.32E-04	1.08E-04	3.24E-03	1.97E-04	6.88E-05	3.62E-03	1.03E-04	6.09E-09	2.63E-06	1.88E-06	1.07E-04
2124	495211.06	3859651.99	2.27E-04	7.31E-09	2.62E-06	1.86E-06	2.31E-04	1.08E-04	3.22E-03	1.96E-04	6.84E-05	3.59E-03	1.03E-04	6.04E-09	2.62E-06	1.86E-06	1.07E-04
2125	495261.06	3859651.99	2.26E-04	7.23E-09	2.62E-06	1.85E-06	2.30E-04	1.07E-04	3.18E-03	1.96E-04	6.79E-05	3.56E-03	1.02E-04	5.97E-09	2.62E-06	1.85E-06	1.07E-04
2126	495311.06	3859651.99	2.25E-04	7.16E-09	2.61E-06	1.84E-06	2.30E-04	1.07E-04	3.16E-03	1.96E-04	6.75E-05	3.53E-03	1.02E-04	5.92E-09	2.61E-06	1.84E-06	1.06E-04
2127	495361.06	3859651.99	2.24E-04	7.11E-09	2.60E-06	1.83E-06	2.29E-04	1.07E-04	3.13E-03	1.95E-04	6.71E-05	3.50E-03	1.02E-04	5.87E-09	2.60E-06	1.83E-06	1.06E-04
2128	495411.06	3859651.99	2.23E-04	7.03E-09	2.60E-06	1.82E-06	2.28E-04	1.06E-04	3.10E-03	1.95E-04	6.67E-05	3.46E-03	1.01E-04	5.81E-09	2.60E-06	1.82E-06	1.05E-04
2129	495461.06	3859651.99	2.22E-04	6.89E-09	2.61E-06	1.80E-06	2.26E-04	1.05E-04	3.04E-03	1.96E-04	6.62E-05	3.40E-03	1.00E-04	5.69E-09	2.61E-06	1.80E-06	1.05E-04
2130	495511.06	3859651.99	2.20E-04	6.78E-09	2.61E-06	1.79E-06	2.25E-04	1.05E-04	2.99E-03	1.96E-04	6.57E-05	3.35E-03	9.96E-05	5.60E-09	2.61E-06	1.79E-06	1.04E-04
2131	495561.06	3859651.99	2.19E-04	6.72E-09	2.60E-06	1.78E-06	2.24E-04	1.04E-04	2.96E-03	1.95E-04	6.53E-05	3.33E-03	9.93E-05	5.55E-09	2.60E-06	1.78E-06	1.04E-04

2132	495611.06	3859651.99	2.18E-04	6.64E-09	2.60E-06	1.77E-06	2.23E-04	1.04E-04	2.92E-03	1.95E-04	6.49E-05	3.29E-03	9.87E-05	5.48E-09	2.60E-06	1.77E-06	1.03E-04
2133	495661.06	3859651.99	2.17E-04	6.55E-09	2.60E-06	1.76E-06	2.21E-04	1.03E-04	2.88E-03	1.95E-04	6.44E-05	3.25E-03	9.82E-05	5.41E-09	2.60E-06	1.76E-06	1.03E-04
2134	494311.06	3859701.99	2.41E-04	9.18E-09	2.43E-06	2.05E-06	2.46E-04	1.15E-04	4.04E-03	1.82E-04	7.53E-05	4.41E-03	1.09E-04	7.58E-09	2.43E-06	2.05E-06	1.14E-04
2135	494361.06	3859701.99	2.40E-04	9.03E-09	2.45E-06	2.04E-06	2.44E-04	1.14E-04	3.98E-03	1.84E-04	7.48E-05	4.35E-03	1.08E-04	7.46E-09	2.45E-06	2.04E-06	1.13E-04
2136	494411.06	3859701.99	2.39E-04	8.96E-09	2.45E-06	2.03E-06	2.44E-04	1.14E-04	3.95E-03	1.84E-04	7.43E-05	4.32E-03	1.08E-04	7.40E-09	2.45E-06	2.03E-06	1.13E-04
2137	494461.06	3859701.99	2.39E-04	9.01E-09	2.42E-06	2.01E-06	2.43E-04	1.14E-04	3.97E-03	1.82E-04	7.37E-05	4.34E-03	1.08E-04	7.44E-09	2.42E-06	2.01E-06	1.13E-04
2138	494511.06	3859701.99	2.38E-04	8.89E-09	2.43E-06	2.00E-06	2.42E-04	1.13E-04	3.92E-03	1.83E-04	7.32E-05	4.28E-03	1.08E-04	7.34E-09	2.43E-06	2.00E-06	1.12E-04
2139	494561.06	3859701.99	2.37E-04	8.81E-09	2.44E-06	1.98E-06	2.42E-04	1.13E-04	3.88E-03	1.83E-04	7.27E-05	4.25E-03	1.07E-04	7.28E-09	2.44E-06	1.98E-06	1.12E-04
2140	494611.06	3859701.99	2.36E-04	8.72E-09	2.44E-06	1.97E-06	2.41E-04	1.12E-04	3.84E-03	1.83E-04	7.22E-05	4.21E-03	1.07E-04	7.20E-09	2.44E-06	1.97E-06	1.11E-04
2141	494661.06	3859701.99	2.34E-04	8.41E-09	2.50E-06	1.96E-06	2.39E-04	1.11E-04	3.70E-03	1.87E-04	7.19E-05	4.07E-03	1.06E-04	6.95E-09	2.50E-06	1.96E-06	1.10E-04
2142	494711.06	3859701.99	2.34E-04	8.38E-09	2.49E-06	1.95E-06	2.38E-04	1.11E-04	3.69E-03	1.86E-04	7.14E-05	4.06E-03	1.06E-04	6.92E-09	2.49E-06	1.95E-06	1.10E-04
2143	494761.06	3859701.99	2.33E-04	8.24E-09	2.50E-06	1.94E-06	2.37E-04	1.11E-04	3.63E-03	1.88E-04	7.10E-05	4.00E-03	1.05E-04	6.81E-09	2.50E-06	1.94E-06	1.10E-04
2144	494811.06	3859701.99	2.31E-04	8.10E-09	2.52E-06	1.92E-06	2.36E-04	1.10E-04	3.57E-03	1.89E-04	7.05E-05	3.93E-03	1.05E-04	6.69E-09	2.52E-06	1.92E-06	1.09E-04
2145	494861.06	3859701.99	2.31E-04	8.08E-09	2.50E-06	1.91E-06	2.35E-04	1.10E-04	3.56E-03	1.88E-04	7.01E-05	3.93E-03	1.05E-04	6.67E-09	2.50E-06	1.91E-06	1.09E-04
2146	494911.06	3859701.99	2.30E-04	7.97E-09	2.51E-06	1.90E-06	2.34E-04	1.09E-04	3.51E-03	1.88E-04	6.97E-05	3.88E-03	1.04E-04	6.58E-09	2.51E-06	1.90E-06	1.08E-04
2147	494961.06	3859701.99	2.29E-04	7.86E-09	2.52E-06	1.89E-06	2.33E-04	1.09E-04	3.46E-03	1.89E-04	6.92E-05	3.83E-03	1.04E-04	6.49E-09	2.52E-06	1.89E-06	1.08E-04
2148	495011.06	3859701.99	2.28E-04	7.79E-09	2.52E-06	1.88E-06	2.33E-04	1.09E-04	3.43E-03	1.89E-04	6.88E-05	3.80E-03	1.03E-04	6.44E-09	2.52E-06	1.88E-06	1.08E-04
2149	495061.06	3859701.99	2.28E-04	7.71E-09	2.52E-06	1.87E-06	2.32E-04	1.08E-04	3.39E-03	1.89E-04	6.84E-05	3.76E-03	1.03E-04	6.36E-09	2.52E-06	1.87E-06	1.07E-04
2150	495111.06	3859701.99	2.27E-04	7.62E-09	2.52E-06	1.85E-06	2.31E-04	1.08E-04	3.35E-03	1.89E-04	6.80E-05	3.72E-03	1.03E-04	6.29E-09	2.52E-06	1.85E-06	1.07E-04
2151	495161.06	3859701.99	2.26E-04	7.52E-09	2.53E-06	1.84E-06	2.30E-04	1.07E-04	3.31E-03	1.89E-04	6.75E-05	3.67E-03	1.02E-04	6.21E-09	2.53E-06	1.84E-06	1.06E-04
2152	495211.06	3859701.99	2.25E-04	7.41E-09	2.53E-06	1.83E-06	2.29E-04	1.07E-04	3.26E-03	1.90E-04	6.71E-05	3.63E-03	1.02E-04	6.12E-09	2.53E-06	1.83E-06	1.06E-04
2153	495261.06	3859701.99	2.24E-04	7.39E-09	2.52E-06	1.82E-06	2.29E-04	1.07E-04	3.25E-03	1.89E-04	6.67E-05	3.62E-03	1.01E-04	6.10E-09	2.52E-06	1.82E-06	1.06E-04
2154	495311.06	3859701.99	2.23E-04	7.30E-09	2.52E-06	1.81E-06	2.28E-04	1.06E-04	3.21E-03	1.89E-04	6.63E-05	3.57E-03	1.01E-04	6.03E-09	2.52E-06	1.81E-06	1.05E-04
2155	495361.06	3859701.99	2.22E-04	7.21E-09	2.52E-06	1.80E-06	2.27E-04	1.06E-04	3.17E-03	1.89E-04	6.59E-05	3.53E-03	1.01E-04	5.95E-09	2.52E-06	1.80E-06	1.05E-04
2156	495411.06	3859701.99	2.21E-04	7.09E-09	2.53E-06	1.79E-06	2.25E-04	1.05E-04	3.12E-03	1.90E-04	6.55E-05	3.48E-03	1.00E-04	5.86E-09	2.53E-06	1.79E-06	1.04E-04
2157	495461.06	3859701.99	2.20E-04	7.00E-09	2.53E-06	1.78E-06	2.24E-04	1.05E-04	3.08E-03	1.90E-04	6.51E-05	3.44E-03	9.95E-05	5.78E-09	2.53E-06	1.78E-06	1.04E-04
2158	495511.06	3859701.99	2.18E-04	6.84E-09	2.54E-06	1.76E-06	2.22E-04	1.04E-04	3.01E-03	1.91E-04	6.46E-05	3.37E-03	9.87E-05	5.65E-09	2.54E-06	1.76E-06	1.03E-04
2159	495561.06	3859701.99	2.18E-04	6.84E-09	2.53E-06	1.75E-06	2.22E-04	1.04E-04	3.01E-03	1.90E-04	6.43E-05	3.37E-03	9.86E-05	5.65E-09	2.53E-06	1.75E-06	1.03E-04
2160	495611.06	3859701.99	2.17E-04	6.76E-09	2.53E-06	1.74E-06	2.21E-04	1.03E-04	2.98E-03	1.89E-04	6.39E-05	3.33E-03	9.81E-05	5.58E-09	2.53E-06	1.74E-06	1.02E-04
2161	495661.06	3859701.99	2.16E-04	6.67E-09	2.53E-06	1.73E-06	2.20E-04	1.03E-04	2.94E-03	1.89E-04	6.35E-05	3.29E-03	9.76E-05	5.51E-09	2.53E-06	1.73E-06	1.02E-04
2162	494311.06	3859751.99	2.38E-04	9.35E-09	2.30E-06	2.01E-06	2.43E-04	1.13E-04	4.12E-03	1.73E-04	7.36E-05	4.48E-03	1.08E-04	7.72E-09	2.30E-06	2.01E-06	1.12E-04
2163	494361.06	3859751.99	2.37E-04	9.23E-09	2.31E-06	1.99E-06	2.42E-04	1.13E-04	4.06E-03	1.73E-04	7.31E-05	4.42E-03	1.07E-04	7.62E-09	2.31E-06	1.99E-06	1.12E-04
2164	494411.06	3859751.99	2.36E-04	9.07E-09	2.33E-06	1.98E-06	2.40E-04	1.12E-04	4.00E-03	1.75E-04	7.27E-05	4.36E-03	1.07E-04	7.50E-09	2.33E-06	1.98E-06	1.11E-04
2165	494461.06	3859751.99	2.36E-04	9.09E-09	2.31E-06	1.97E-06	2.40E-04	1.12E-04	4.00E-03	1.74E-04	7.21E-05	4.36E-03	1.07E-04	7.51E-09	2.31E-06	1.97E-06	1.11E-04
2166	494511.06	3859751.99	2.35E-04	9.05E-09	2.31E-06	1.95E-06	2.39E-04	1.12E-04	3.99E-03	1.73E-04	7.15E-05	4.34E-03	1.06E-04	7.47E-09	2.31E-06	1.95E-06	1.11E-04
2167	494561.06	3859751.99	2.34E-04	8.94E-09	2.32E-06	1.94E-06	2.38E-04	1.11E-04	3.94E-03	1.74E-04	7.11E-05	4.29E-03	1.06E-04	7.38E-09	2.32E-06	1.94E-06	1.10E-04
2168	494611.06	3859751.99	2.33E-04	8.79E-09	2.34E-06	1.93E-06	2.37E-04	1.11E-04	3.87E-03	1.75E-04	7.07E-05	4.23E-03	1.05E-04	7.26E-09	2.34E-06	1.93E-06	1.10E-04
2169	494661.06	3859751.99	2.32E-04	8.55E-09	2.37E-06	1.92E-06	2.36E-04	1.10E-04	3.77E-03	1.78E-04	7.03E-05	4.12E-03	1.05E-04	7.06E-09	2.37E-06	1.92E-06	1.09E-04
2170	494711.06	3859751.99	2.31E-04	8.52E-09	2.37E-06	1.90E-06	2.35E-04	1.10E-04	3.75E-03	1.77E-04	6.98E-05	4.11E-03	1.04E-04	7.04E-09	2.37E-06	1.90E-06	1.09E-04
2171	494761.06	3859751.99	2.30E-04	8.45E-09	2.37E-06	1.89E-06	2.35E-04	1.09E-04	3.72E-03	1.78E-04	6.94E-05	4.08E-03	1.04E-04	6.98E-09	2.37E-06	1.89E-06	1.08E-04
2172	494811.06	3859751.99	2.29E-04	8.32E-09	2.38E-06	1.88E-06	2.34E-04	1.09E-04	3.66E-03	1.79E-04	6.90E-05	4.02E-03	1.04E-04	6.87E-09	2.38E-06	1.88E-06	1.08E-04
2173	494861.06	3859751.99	2.28E-04	8.23E-09	2.38E-06	1.87E-06	2.33E-04	1.09E-04	3.63E-03	1.79E-04	6.86E-05	3.98E-03	1.03E-04	6.80E-09	2.38E-06	1.87E-06	1.08E-04
2174	494911.06	3859751.99	2.28E-04	8.14E-09	2.39E-06	1.86E-06	2.32E-04	1.08E-04	3.59E-03	1.79E-04	6.82E-05	3.94E-03	1.03E-04	6.72E-09	2.39E-06	1.86E-06	1.07E-04
2175	494961.06	3859751.99	2.27E-04	8.05E-09	2.39E-06	1.85E-06	2.31E-04	1.08E-04	3.55E-03	1.80E-04	6.78E-05	3.90E-03	1.03E-04	6.65E-09	2.39E-06	1.85E-06	1.07E-04
2176	495011.06	3859751.99	2.26E-04	7.95E-09	2.40E-06	1.84E-06	2.30E-04	1.07E-04	3.50E-03	1.80E-04	6.74E-05	3.86E-03	1.02E-04	6.57E-09	2.40E-06	1.84E-06	1.06E-04
2177	495061.06	3859751.99	2.25E-04	7.89E-09	2.40E-06	1.83E-06	2.30E-04	1.07E-04	3.47E-03	1.80E-04	6.70E-05	3.83E-03	1.02E-04	6.52E-09	2.40E-06	1.83E-06	1.06E-04
2178	495111.06	3859751.99	2.24E-04	7.79E-09	2.41E-06	1.82E-06	2.29E-04	1.07E-04	3.43E-03	1.80E-04	6.66E-05	3.79E-03	1.02E-04	6.44E-09	2.41E-06	1.82E-06	1.06E-04
2179	495161.06	3859751.99	2.24E-04	7.69E-09	2.41E-06	1.81E-06	2.28E-04	1.06E-04	3.39E-03	1.81E-04	6.62E-05	3.74E-03	1.01E-04	6.35E-09	2.41E-06	1.81E-06	1.05E-04
2180	495211.06	3859751.99	2.23E-04	7.58E-09	2.42E-06	1.80E-06	2.27E-04	1.06E-04	3.34E-03	1.82E-04	6.58E-05	3.69E-03	1.01E-04	6.26E-09	2.42E-06	1.80E-06	1.05E-04
2181	495261.06	3859751.99	2.22E-04	7.52E-09	2.42E-06	1.79E-06	2.26E-04	1.05E-04	3.31E-03	1.82E-04	6.55E-05	3.66E-03	1.00E-04	6.21E-09	2.42E-06	1.79E-06	1.05E-04
2182	495311.06	3859751.99	2.21E-04	7.42E-09	2.42E-06	1.77E-06	2.25E-04	1.05E-04	3.27E-03	1.82E-04	6.51E-05	3.62E-03	1.00E-04	6.13E-09	2.42E-06	1.77E-06	1.04E-04
2183	495361.06	3859751.99	2.20E-04	7.34E-09	2.43E-06	1.77E-06	2.24E-04	1.05E-04	3.23E-03	1.82E-04	6.47E-05	3.58E-03	9.96E-05	6.06E-09	2.43E-06	1.77E-06	1.04E-04
2184	495411.06	3859751.99	2.19E-04	7.26E-09	2.43E-06	1.75E-06	2.23E-04	1.04E-04	3.20E-03	1.82E-04	6.43E-05	3.55E-03	9.92E-05	6.00E-09	2.43E-06	1.75E-06	1.03E-04
2185	495461.06	3859751.99	2.18E-04	7.14E-09	2.44E-06	1.74E-06	2.22E-04	1.04E-04	3.14E-03	1.83E-04	6.40E-05	3.49E-03	9.87E-05	5.90E-09	2.44E-06	1.74E-06	1.03E-04
2186	495511.06	3859751.99	2.17E-04	7.02E-09	2.45E-06	1.73E-06	2.21E-04	1.03E-04	3.09E-03	1.84E-04	6.36E-05	3.44E-03	9.81E-05	5.80E-09	2.45E-06	1.73E-06	1.02E-04
2187	495561.06	3859751.99	2.16E-04	6.94E-09	2.45E-06	1.72E-06	2.20E-04	1.03E-04	3.06E-03	1.84E-04	6.32E-05	3.40E-03	9.77E-05	5.73E-09	2.45E-06	1.72E-06	1.02E-04
2188	495611.06	3859751.99	2.15E-04	6.86E-09	2.45E-06	1.71E-06	2.19E-04	1.02E-04	3.02E-03	1.84E-04	6.29E-05	3.37E-03	9.73E-05	5.67E-09	2.45E-06	1.71E-06	1.01E-04
2189	495661.06	3859751.99	2.14E-04	6.80E-09	2.45E-06	1.70E-06	2.18E-04	1.02E-04	3.00E-03	1.83E-04	6.25E-05	3.34E-03	9.70E-05	5.62E-09	2.45E-06	1.70E-06	1.01E-04
2190	494311.06	3859801.99	2.36E-04	9.51E-09	2.18E-06	1.96E-06	2.40E-04	1.12E-04	4.19E-03	1.63E-04	7.18E-05	4.54E-03	1.07E-04	7.85E-09	2.18E-06	1.96E-06	1.11E-04
2191	494361.06	3859801.99	2.34E-04	9.34E-09	2.20E-06	1.95E-06	2.38E-04	1.11E-04	4.11E-03	1.65E-04	7.14E-05	4.46E-03	1.06E-04	7.71E-09	2.20E-06	1.95E-06	1.10E-04
2192	494411.06	3859801.99	2.33E-04	9.15E-09	2.22E-06	1.94E-06	2.37E-04	1.11E-04	4.03E-03	1.67E-04	7.10E-05	4.38E-03	1.05E-04	7.56E-09	2.22E-06	1.94E-06	1.10E-04

2193	494461.06	3859801.99	2.33E-04	9.15E-09	2.21E-06	1.92E-06	2.37E-04	1.11E-04	4.03E-03	1.66E-04	7.04E-05	4.38E-03	1.05E-04	7.56E-09	2.21E-06	1.92E-06	1.09E-04
2194	494511.06	3859801.99	2.32E-04	9.16E-09	2.20E-06	1.90E-06	2.36E-04	1.10E-04	4.03E-03	1.65E-04	6.98E-05	4.38E-03	1.05E-04	7.57E-09	2.20E-06	1.90E-06	1.09E-04
2195	494561.06	3859801.99	2.31E-04	9.05E-09	2.20E-06	1.89E-06	2.35E-04	1.10E-04	3.99E-03	1.65E-04	6.94E-05	4.33E-03	1.05E-04	7.48E-09	2.20E-06	1.89E-06	1.09E-04
2196	494611.06	3859801.99	2.30E-04	8.84E-09	2.24E-06	1.88E-06	2.34E-04	1.09E-04	3.89E-03	1.68E-04	6.91E-05	4.24E-03	1.04E-04	7.30E-09	2.24E-06	1.88E-06	1.08E-04
2197	494661.06	3859801.99	2.29E-04	8.72E-09	2.25E-06	1.87E-06	2.33E-04	1.09E-04	3.84E-03	1.69E-04	6.87E-05	4.19E-03	1.04E-04	7.20E-09	2.25E-06	1.87E-06	1.08E-04
2198	494711.06	3859801.99	2.28E-04	8.57E-09	2.27E-06	1.86E-06	2.32E-04	1.08E-04	3.77E-03	1.70E-04	6.83E-05	4.12E-03	1.03E-04	7.08E-09	2.27E-06	1.86E-06	1.07E-04
2199	494761.06	3859801.99	2.27E-04	8.58E-09	2.25E-06	1.85E-06	2.32E-04	1.08E-04	3.78E-03	1.69E-04	6.78E-05	4.12E-03	1.03E-04	7.08E-09	2.25E-06	1.85E-06	1.07E-04
2200	494811.06	3859801.99	2.27E-04	8.46E-09	2.26E-06	1.84E-06	2.31E-04	1.08E-04	3.73E-03	1.70E-04	6.74E-05	4.07E-03	1.02E-04	6.99E-09	2.26E-06	1.84E-06	1.07E-04
2201	494861.06	3859801.99	2.26E-04	8.38E-09	2.27E-06	1.83E-06	2.30E-04	1.07E-04	3.69E-03	1.70E-04	6.70E-05	4.04E-03	1.02E-04	6.92E-09	2.27E-06	1.83E-06	1.06E-04
2202	494911.06	3859801.99	2.25E-04	8.26E-09	2.28E-06	1.82E-06	2.29E-04	1.07E-04	3.64E-03	1.71E-04	6.67E-05	3.98E-03	1.02E-04	6.82E-09	2.28E-06	1.82E-06	1.06E-04
2203	494961.06	3859801.99	2.24E-04	8.17E-09	2.29E-06	1.81E-06	2.28E-04	1.07E-04	3.60E-03	1.71E-04	6.63E-05	3.94E-03	1.01E-04	6.75E-09	2.29E-06	1.81E-06	1.05E-04
2204	495011.06	3859801.99	2.23E-04	8.07E-09	2.29E-06	1.80E-06	2.27E-04	1.06E-04	3.56E-03	1.72E-04	6.59E-05	3.90E-03	1.01E-04	6.67E-09	2.29E-06	1.80E-06	1.05E-04
2205	495061.06	3859801.99	2.23E-04	8.00E-09	2.30E-06	1.79E-06	2.27E-04	1.06E-04	3.52E-03	1.72E-04	6.55E-05	3.87E-03	1.01E-04	6.61E-09	2.30E-06	1.79E-06	1.05E-04
2206	495111.06	3859801.99	2.22E-04	7.89E-09	2.31E-06	1.78E-06	2.26E-04	1.05E-04	3.47E-03	1.73E-04	6.52E-05	3.82E-03	1.00E-04	6.51E-09	2.31E-06	1.78E-06	1.04E-04
2207	495161.06	3859801.99	2.21E-04	7.78E-09	2.31E-06	1.77E-06	2.25E-04	1.05E-04	3.43E-03	1.74E-04	6.48E-05	3.77E-03	9.99E-05	6.43E-09	2.31E-06	1.77E-06	1.04E-04
2208	495211.06	3859801.99	2.20E-04	7.71E-09	2.32E-06	1.76E-06	2.24E-04	1.05E-04	3.40E-03	1.74E-04	6.44E-05	3.74E-03	9.96E-05	6.37E-09	2.32E-06	1.76E-06	1.04E-04
2209	495261.06	3859801.99	2.19E-04	7.61E-09	2.33E-06	1.75E-06	2.23E-04	1.04E-04	3.35E-03	1.74E-04	6.41E-05	3.69E-03	9.92E-05	6.28E-09	2.33E-06	1.75E-06	1.03E-04
2210	495311.06	3859801.99	2.19E-04	7.54E-09	2.33E-06	1.74E-06	2.23E-04	1.04E-04	3.32E-03	1.74E-04	6.37E-05	3.66E-03	9.89E-05	6.23E-09	2.33E-06	1.74E-06	1.03E-04
2211	495361.06	3859801.99	2.18E-04	7.45E-09	2.33E-06	1.73E-06	2.22E-04	1.04E-04	3.28E-03	1.75E-04	6.34E-05	3.62E-03	9.85E-05	6.15E-09	2.33E-06	1.73E-06	1.03E-04
2212	495411.06	3859801.99	2.17E-04	7.34E-09	2.34E-06	1.72E-06	2.21E-04	1.03E-04	3.23E-03	1.76E-04	6.31E-05	3.58E-03	9.81E-05	6.06E-09	2.34E-06	1.72E-06	1.02E-04
2213	495461.06	3859801.99	2.16E-04	7.26E-09	2.35E-06	1.71E-06	2.20E-04	1.03E-04	3.20E-03	1.76E-04	6.27E-05	3.54E-03	9.77E-05	5.99E-09	2.35E-06	1.71E-06	1.02E-04
2214	495511.06	3859801.99	2.15E-04	7.13E-09	2.36E-06	1.70E-06	2.19E-04	1.02E-04	3.14E-03	1.77E-04	6.24E-05	3.48E-03	9.72E-05	5.89E-09	2.36E-06	1.70E-06	1.01E-04
2215	495561.06	3859801.99	2.14E-04	7.06E-09	2.36E-06	1.69E-06	2.18E-04	1.02E-04	3.11E-03	1.77E-04	6.21E-05	3.45E-03	9.68E-05	5.83E-09	2.36E-06	1.69E-06	1.01E-04
2216	495611.06	3859801.99	2.14E-04	7.03E-09	2.35E-06	1.68E-06	2.18E-04	1.02E-04	3.10E-03	1.76E-04	6.17E-05	3.44E-03	9.66E-05	5.81E-09	2.35E-06	1.68E-06	1.01E-04
2217	495661.06	3859801.99	2.12E-04	6.92E-09	2.36E-06	1.67E-06	2.16E-04	1.01E-04	3.05E-03	1.77E-04	6.14E-05	3.39E-03	9.61E-05	5.72E-09	2.36E-06	1.67E-06	1.00E-04
2218	494311.06	3859851.99	2.33E-04	9.59E-09	2.07E-06	1.91E-06	2.37E-04	1.11E-04	4.22E-03	1.56E-04	7.01E-05	4.56E-03	1.05E-04	7.92E-09	2.07E-06	1.91E-06	1.09E-04
2219	494361.06	3859851.99	2.32E-04	9.45E-09	2.09E-06	1.90E-06	2.36E-04	1.10E-04	4.16E-03	1.56E-04	6.97E-05	4.50E-03	1.05E-04	7.81E-09	2.09E-06	1.90E-06	1.09E-04
2220	494411.06	3859851.99	2.30E-04	9.29E-09	2.10E-06	1.89E-06	2.34E-04	1.10E-04	4.09E-03	1.58E-04	6.93E-05	4.43E-03	1.04E-04	7.67E-09	2.10E-06	1.89E-06	1.08E-04
2221	494461.06	3859851.99	2.29E-04	9.18E-09	2.11E-06	1.88E-06	2.33E-04	1.09E-04	4.04E-03	1.59E-04	6.88E-05	4.38E-03	1.04E-04	7.58E-09	2.11E-06	1.88E-06	1.08E-04
2222	494511.06	3859851.99	2.29E-04	9.14E-09	2.11E-06	1.86E-06	2.33E-04	1.09E-04	4.03E-03	1.58E-04	6.83E-05	4.36E-03	1.03E-04	7.55E-09	2.11E-06	1.86E-06	1.07E-04
2223	494561.06	3859851.99	2.28E-04	9.13E-09	2.10E-06	1.85E-06	2.32E-04	1.08E-04	4.02E-03	1.58E-04	6.78E-05	4.36E-03	1.03E-04	7.54E-09	2.10E-06	1.85E-06	1.07E-04
2224	494611.06	3859851.99	2.27E-04	8.90E-09	2.13E-06	1.84E-06	2.31E-04	1.08E-04	3.92E-03	1.60E-04	6.75E-05	4.26E-03	1.03E-04	7.35E-09	2.13E-06	1.84E-06	1.07E-04
2225	494661.06	3859851.99	2.26E-04	8.86E-09	2.13E-06	1.83E-06	2.30E-04	1.08E-04	3.90E-03	1.60E-04	6.71E-05	4.23E-03	1.02E-04	7.31E-09	2.13E-06	1.83E-06	1.06E-04
2226	494711.06	3859851.99	2.25E-04	8.69E-09	2.15E-06	1.82E-06	2.29E-04	1.07E-04	3.83E-03	1.62E-04	6.67E-05	4.16E-03	1.02E-04	7.18E-09	2.15E-06	1.82E-06	1.06E-04
2227	494761.06	3859851.99	2.25E-04	8.68E-09	2.14E-06	1.81E-06	2.29E-04	1.07E-04	3.82E-03	1.61E-04	6.62E-05	4.16E-03	1.02E-04	7.17E-09	2.14E-06	1.81E-06	1.06E-04
2228	494811.06	3859851.99	2.24E-04	8.57E-09	2.15E-06	1.80E-06	2.28E-04	1.06E-04	3.77E-03	1.62E-04	6.59E-05	4.11E-03	1.01E-04	7.08E-09	2.15E-06	1.80E-06	1.05E-04
2229	494861.06	3859851.99	2.23E-04	8.51E-09	2.16E-06	1.79E-06	2.27E-04	1.06E-04	3.75E-03	1.62E-04	6.55E-05	4.08E-03	1.01E-04	7.03E-09	2.16E-06	1.79E-06	1.05E-04
2230	494911.06	3859851.99	2.22E-04	8.39E-09	2.17E-06	1.78E-06	2.26E-04	1.06E-04	3.69E-03	1.63E-04	6.51E-05	4.03E-03	1.00E-04	6.93E-09	2.17E-06	1.78E-06	1.04E-04
2231	494961.06	3859851.99	2.21E-04	8.29E-09	2.17E-06	1.77E-06	2.25E-04	1.05E-04	3.65E-03	1.63E-04	6.48E-05	3.99E-03	1.00E-04	6.85E-09	2.17E-06	1.77E-06	1.04E-04
2232	495011.06	3859851.99	2.21E-04	8.20E-09	2.18E-06	1.76E-06	2.24E-04	1.05E-04	3.61E-03	1.64E-04	6.44E-05	3.94E-03	9.98E-05	6.77E-09	2.18E-06	1.76E-06	1.04E-04
2233	495061.06	3859851.99	2.20E-04	8.13E-09	2.18E-06	1.75E-06	2.24E-04	1.05E-04	3.58E-03	1.64E-04	6.40E-05	3.91E-03	9.95E-05	6.71E-09	2.18E-06	1.75E-06	1.03E-04
2234	495111.06	3859851.99	2.19E-04	8.01E-09	2.20E-06	1.74E-06	2.23E-04	1.04E-04	3.53E-03	1.65E-04	6.37E-05	3.86E-03	9.90E-05	6.61E-09	2.20E-06	1.74E-06	1.03E-04
2235	495161.06	3859851.99	2.18E-04	7.91E-09	2.21E-06	1.73E-06	2.22E-04	1.04E-04	3.48E-03	1.66E-04	6.34E-05	3.82E-03	9.87E-05	6.53E-09	2.21E-06	1.73E-06	1.03E-04
2236	495211.06	3859851.99	2.17E-04	7.82E-09	2.21E-06	1.72E-06	2.21E-04	1.03E-04	3.44E-03	1.66E-04	6.31E-05	3.78E-03	9.83E-05	6.46E-09	2.21E-06	1.72E-06	1.02E-04
2237	495261.06	3859851.99	2.17E-04	7.73E-09	2.22E-06	1.71E-06	2.21E-04	1.03E-04	3.40E-03	1.67E-04	6.27E-05	3.74E-03	9.80E-05	6.38E-09	2.22E-06	1.71E-06	1.02E-04
2238	495311.06	3859851.99	2.16E-04	7.65E-09	2.22E-06	1.70E-06	2.20E-04	1.03E-04	3.37E-03	1.67E-04	6.24E-05	3.70E-03	9.77E-05	6.32E-09	2.22E-06	1.70E-06	1.02E-04
2239	495361.06	3859851.99	2.15E-04	7.57E-09	2.23E-06	1.69E-06	2.19E-04	1.02E-04	3.33E-03	1.67E-04	6.20E-05	3.67E-03	9.74E-05	6.25E-09	2.23E-06	1.69E-06	1.01E-04
2240	495411.06	3859851.99	2.14E-04	7.47E-09	2.24E-06	1.68E-06	2.18E-04	1.02E-04	3.29E-03	1.68E-04	6.18E-05	3.62E-03	9.70E-05	6.17E-09	2.24E-06	1.68E-06	1.01E-04
2241	495461.06	3859851.99	2.14E-04	7.37E-09	2.25E-06	1.68E-06	2.17E-04	1.02E-04	3.24E-03	1.69E-04	6.14E-05	3.58E-03	9.66E-05	6.08E-09	2.25E-06	1.68E-06	1.01E-04
2242	495511.06	3859851.99	2.13E-04	7.25E-09	2.26E-06	1.67E-06	2.17E-04	1.01E-04	3.19E-03	1.70E-04	6.12E-05	3.53E-03	9.62E-05	5.99E-09	2.26E-06	1.67E-06	1.00E-04
2243	495561.06	3859851.99	2.12E-04	7.20E-09	2.26E-06	1.66E-06	2.16E-04	1.01E-04	3.17E-03	1.70E-04	6.08E-05	3.50E-03	9.59E-05	5.94E-09	2.26E-06	1.66E-06	9.98E-05
2244	495611.06	3859851.99	2.11E-04	7.13E-09	2.26E-06	1.65E-06	2.15E-04	1.00E-04	3.14E-03	1.70E-04	6.05E-05	3.47E-03	9.56E-05	5.89E-09	2.26E-06	1.65E-06	9.95E-05
2245	495661.06	3859851.99	2.10E-04	7.03E-09	2.27E-06	1.64E-06	2.14E-04	1.00E-04	3.10E-03	1.70E-04	6.02E-05	3.43E-03	9.52E-05	5.80E-09	2.27E-06	1.64E-06	9.91E-05
2246	494311.06	3859901.99	2.30E-04	9.65E-09	1.98E-06	1.87E-06	2.33E-04	1.09E-04	4.25E-03	1.49E-04	6.84E-05	4.57E-03	1.04E-04	7.97E-09	1.98E-06	1.87E-06	1.08E-04
2247	494361.06	3859901.99	2.28E-04	9.44E-09	2.00E-06	1.86E-06	2.32E-04	1.09E-04	4.16E-03	1.50E-04	6.81E-05	4.48E-03	1.03E-04	7.80E-09	2.00E-06	1.86E-06	1.07E-04
2248	494411.06	3859901.99	2.28E-04	9.38E-09	2.00E-06	1.84E-06	2.31E-04	1.08E-04	4.13E-03	1.50E-04	6.76E-05	4.46E-03	1.03E-04	7.75E-09	2.00E-06	1.84E-06	1.07E-04
2249	494461.06	3859901.99	2.27E-04	9.27E-09	2.01E-06	1.83E-06	2.30E-04	1.08E-04	4.08E-03	1.51E-04	6.72E-05	4.41E-03	1.03E-04	7.66E-09	2.01E-06	1.83E-06	1.06E-04
2250	494511.06	3859901.99	2.26E-04	9.20E-09	2.01E-06	1.82E-06	2.30E-04	1.07E-04	4.05E-03	1.51E-04	6.67E-05	4.38E-03	1.02E-04	7.60E-09	2.01E-06	1.82E-06	1.06E-04
2251	494561.06	3859901.99	2.25E-04	9.22E-09	2.00E-06	1.80E-06	2.29E-04	1.07E-04	4.06E-03	1.50E-04	6.61E-05	4.38E-03	1.02E-04	7.61E-09	2.00E-06	1.80E-06	1.06E-04
2252	494611.06	3859901.99	2.24E-04	8.98E-09	2.03E-06	1.80E-06	2.28E-04	1.06E-04	3.96E-03	1.52E-04	6.59E-05	4.28E-03	1.01E-04	7.42E-09	2.03E-06	1.80E-06	1.05E-04
2253	494661.06	3859901.99	2.23E-04	8.98E-09	2.02E-06	1.78E-06	2.27E-04	1.06E-04	3.95E-03	1.52E-04	6.54E-05	4.28E-03	1.01E-04	7.42E-09	2.02E-06	1.78E-06	1.05E-04

2254	494711.06	3859901.99	2.22E-04	8.76E-09	2.05E-06	1.78E-06	2.26E-04	1.06E-04	3.86E-03	1.54E-04	6.52E-05	4.18E-03	1.00E-04	7.23E-09	2.05E-06	1.78E-06	1.04E-04
2255	494761.06	3859901.99	2.22E-04	8.72E-09	2.05E-06	1.77E-06	2.25E-04	1.05E-04	3.84E-03	1.54E-04	6.47E-05	4.16E-03	1.00E-04	7.20E-09	2.05E-06	1.77E-06	1.04E-04
2256	494811.06	3859901.99	2.21E-04	8.69E-09	2.05E-06	1.75E-06	2.25E-04	1.05E-04	3.83E-03	1.54E-04	6.43E-05	4.15E-03	1.00E-04	7.18E-09	2.05E-06	1.75E-06	1.04E-04
2257	494861.06	3859901.99	2.20E-04	8.62E-09	2.05E-06	1.74E-06	2.24E-04	1.05E-04	3.79E-03	1.54E-04	6.39E-05	4.12E-03	9.96E-05	7.12E-09	2.05E-06	1.74E-06	1.03E-04
2258	494911.06	3859901.99	2.19E-04	8.49E-09	2.06E-06	1.73E-06	2.23E-04	1.04E-04	3.74E-03	1.55E-04	6.36E-05	4.06E-03	9.92E-05	7.01E-09	2.06E-06	1.73E-06	1.03E-04
2259	494961.06	3859901.99	2.19E-04	8.42E-09	2.07E-06	1.72E-06	2.22E-04	1.04E-04	3.71E-03	1.55E-04	6.32E-05	4.03E-03	9.89E-05	6.95E-09	2.07E-06	1.72E-06	1.03E-04
2260	495011.06	3859901.99	2.18E-04	8.31E-09	2.08E-06	1.71E-06	2.22E-04	1.04E-04	3.66E-03	1.56E-04	6.29E-05	3.98E-03	9.85E-05	6.86E-09	2.08E-06	1.71E-06	1.02E-04
2261	495061.06	3859901.99	2.17E-04	8.21E-09	2.09E-06	1.71E-06	2.21E-04	1.03E-04	3.62E-03	1.56E-04	6.25E-05	3.94E-03	9.82E-05	6.78E-09	2.09E-06	1.71E-06	1.02E-04
2262	495111.06	3859901.99	2.16E-04	8.09E-09	2.10E-06	1.70E-06	2.20E-04	1.03E-04	3.56E-03	1.57E-04	6.23E-05	3.89E-03	9.78E-05	6.68E-09	2.10E-06	1.70E-06	1.02E-04
2263	495161.06	3859901.99	2.15E-04	7.98E-09	2.11E-06	1.69E-06	2.19E-04	1.02E-04	3.52E-03	1.58E-04	6.19E-05	3.84E-03	9.74E-05	6.59E-09	2.11E-06	1.69E-06	1.01E-04
2264	495211.06	3859901.99	2.15E-04	7.92E-09	2.11E-06	1.68E-06	2.18E-04	1.02E-04	3.49E-03	1.59E-04	6.16E-05	3.81E-03	9.71E-05	6.54E-09	2.11E-06	1.68E-06	1.01E-04
2265	495261.06	3859901.99	2.14E-04	7.79E-09	2.13E-06	1.67E-06	2.18E-04	1.02E-04	3.43E-03	1.60E-04	6.13E-05	3.75E-03	9.67E-05	6.44E-09	2.13E-06	1.67E-06	1.01E-04
2266	495311.06	3859901.99	2.13E-04	7.73E-09	2.13E-06	1.66E-06	2.17E-04	1.01E-04	3.41E-03	1.60E-04	6.10E-05	3.73E-03	9.64E-05	6.39E-09	2.13E-06	1.66E-06	1.00E-04
2267	495361.06	3859901.99	2.12E-04	7.64E-09	2.14E-06	1.66E-06	2.16E-04	1.01E-04	3.36E-03	1.60E-04	6.07E-05	3.69E-03	9.61E-05	6.31E-09	2.14E-06	1.66E-06	9.99E-05
2268	495411.06	3859901.99	2.12E-04	7.53E-09	2.15E-06	1.65E-06	2.15E-04	1.01E-04	3.32E-03	1.61E-04	6.04E-05	3.64E-03	9.57E-05	6.22E-09	2.15E-06	1.65E-06	9.95E-05
2269	495461.06	3859901.99	2.11E-04	7.44E-09	2.16E-06	1.64E-06	2.15E-04	1.00E-04	3.28E-03	1.62E-04	6.01E-05	3.60E-03	9.54E-05	6.14E-09	2.16E-06	1.64E-06	9.92E-05
2270	495511.06	3859901.99	2.10E-04	7.37E-09	2.16E-06	1.63E-06	2.14E-04	9.99E-05	3.25E-03	1.62E-04	5.98E-05	3.57E-03	9.51E-05	6.09E-09	2.16E-06	1.63E-06	9.89E-05
2271	495561.06	3859901.99	2.10E-04	7.31E-09	2.16E-06	1.62E-06	2.13E-04	9.96E-05	3.22E-03	1.62E-04	5.95E-05	3.54E-03	9.48E-05	6.04E-09	2.16E-06	1.62E-06	9.86E-05
2272	495611.06	3859901.99	2.09E-04	7.21E-09	2.17E-06	1.62E-06	2.13E-04	9.92E-05	3.18E-03	1.63E-04	5.93E-05	3.50E-03	9.44E-05	5.96E-09	2.17E-06	1.62E-06	9.82E-05
2273	495661.06	3859901.99	2.08E-04	7.11E-09	2.18E-06	1.61E-06	2.12E-04	9.89E-05	3.13E-03	1.64E-04	5.90E-05	3.45E-03	9.41E-05	5.87E-09	2.18E-06	1.61E-06	9.79E-05
2274	494311.06	3859951.99	2.27E-04	9.72E-09	1.89E-06	1.82E-06	2.31E-04	1.08E-04	4.28E-03	1.42E-04	6.67E-05	4.60E-03	1.03E-04	8.02E-09	1.89E-06	1.82E-06	1.07E-04
2275	494361.06	3859951.99	2.26E-04	9.57E-09	1.90E-06	1.81E-06	2.30E-04	1.08E-04	4.22E-03	1.43E-04	6.63E-05	4.53E-03	1.02E-04	7.91E-09	1.90E-06	1.81E-06	1.06E-04
2276	494411.06	3859951.99	2.25E-04	9.44E-09	1.91E-06	1.80E-06	2.28E-04	1.07E-04	4.16E-03	1.43E-04	6.60E-05	4.48E-03	1.02E-04	7.80E-09	1.91E-06	1.80E-06	1.05E-04
2277	494461.06	3859951.99	2.24E-04	9.34E-09	1.92E-06	1.79E-06	2.28E-04	1.06E-04	4.11E-03	1.44E-04	6.55E-05	4.43E-03	1.01E-04	7.71E-09	1.92E-06	1.79E-06	1.05E-04
2278	494511.06	3859951.99	2.23E-04	9.27E-09	1.92E-06	1.78E-06	2.27E-04	1.06E-04	4.08E-03	1.44E-04	6.51E-05	4.40E-03	1.01E-04	7.66E-09	1.92E-06	1.78E-06	1.05E-04
2279	494561.06	3859951.99	2.23E-04	9.31E-09	1.91E-06	1.76E-06	2.27E-04	1.06E-04	4.10E-03	1.44E-04	6.45E-05	4.41E-03	1.01E-04	7.69E-09	1.91E-06	1.76E-06	1.05E-04
2280	494611.06	3859951.99	2.21E-04	9.10E-09	1.93E-06	1.75E-06	2.25E-04	1.05E-04	4.01E-03	1.45E-04	6.43E-05	4.32E-03	1.00E-04	7.52E-09	1.93E-06	1.75E-06	1.04E-04
2281	494661.06	3859951.99	2.22E-04	9.09E-09	1.93E-06	1.74E-06	2.25E-04	1.05E-04	4.00E-03	1.45E-04	6.38E-05	4.32E-03	1.00E-04	7.50E-09	1.93E-06	1.74E-06	1.04E-04
2282	494711.06	3859951.99	2.20E-04	8.90E-09	1.95E-06	1.73E-06	2.23E-04	1.04E-04	3.92E-03	1.46E-04	6.35E-05	4.23E-03	9.94E-05	7.35E-09	1.95E-06	1.73E-06	1.03E-04
2283	494761.06	3859951.99	2.19E-04	8.83E-09	1.95E-06	1.72E-06	2.23E-04	1.04E-04	3.89E-03	1.46E-04	6.31E-05	4.20E-03	9.91E-05	7.30E-09	1.95E-06	1.72E-06	1.03E-04
2284	494811.06	3859951.99	2.18E-04	8.75E-09	1.96E-06	1.71E-06	2.22E-04	1.04E-04	3.85E-03	1.47E-04	6.28E-05	4.17E-03	9.87E-05	7.23E-09	1.96E-06	1.71E-06	1.02E-04
2285	494861.06	3859951.99	2.18E-04	8.71E-09	1.96E-06	1.70E-06	2.21E-04	1.03E-04	3.83E-03	1.47E-04	6.23E-05	4.15E-03	9.84E-05	7.19E-09	1.96E-06	1.70E-06	1.02E-04
2286	494911.06	3859951.99	2.17E-04	8.58E-09	1.97E-06	1.69E-06	2.20E-04	1.03E-04	3.78E-03	1.48E-04	6.20E-05	4.09E-03	9.80E-05	7.09E-09	1.97E-06	1.69E-06	1.02E-04
2287	494961.06	3859951.99	2.16E-04	8.47E-09	1.98E-06	1.68E-06	2.19E-04	1.03E-04	3.73E-03	1.48E-04	6.17E-05	4.04E-03	9.76E-05	7.00E-09	1.98E-06	1.68E-06	1.01E-04
2288	495011.06	3859951.99	2.15E-04	8.37E-09	1.99E-06	1.67E-06	2.19E-04	1.02E-04	3.69E-03	1.49E-04	6.14E-05	4.00E-03	9.72E-05	6.91E-09	1.99E-06	1.67E-06	1.01E-04
2289	495061.06	3859951.99	2.14E-04	8.29E-09	1.99E-06	1.67E-06	2.18E-04	1.02E-04	3.65E-03	1.50E-04	6.11E-05	3.96E-03	9.69E-05	6.84E-09	1.99E-06	1.67E-06	1.01E-04
2290	495111.06	3859951.99	2.13E-04	8.17E-09	2.01E-06	1.66E-06	2.17E-04	1.01E-04	3.60E-03	1.50E-04	6.08E-05	3.91E-03	9.65E-05	6.75E-09	2.01E-06	1.66E-06	1.00E-04
2291	495161.06	3859951.99	2.12E-04	8.05E-09	2.02E-06	1.65E-06	2.16E-04	1.01E-04	3.55E-03	1.51E-04	6.05E-05	3.86E-03	9.61E-05	6.65E-09	2.02E-06	1.65E-06	9.98E-05
2292	495211.06	3859951.99	2.12E-04	7.95E-09	2.03E-06	1.64E-06	2.15E-04	1.01E-04	3.50E-03	1.52E-04	6.02E-05	3.81E-03	9.58E-05	6.56E-09	2.03E-06	1.64E-06	9.94E-05
2293	495261.06	3859951.99	2.11E-04	7.86E-09	2.04E-06	1.64E-06	2.15E-04	1.00E-04	3.46E-03	1.53E-04	6.00E-05	3.77E-03	9.54E-05	6.49E-09	2.04E-06	1.64E-06	9.91E-05
2294	495311.06	3859951.99	2.10E-04	7.81E-09	2.04E-06	1.63E-06	2.14E-04	1.00E-04	3.44E-03	1.53E-04	5.96E-05	3.75E-03	9.52E-05	6.45E-09	2.04E-06	1.63E-06	9.89E-05
2295	495361.06	3859951.99	2.10E-04	7.73E-09	2.04E-06	1.62E-06	2.13E-04	9.97E-05	3.40E-03	1.53E-04	5.93E-05	3.72E-03	9.49E-05	6.38E-09	2.04E-06	1.62E-06	9.85E-05
2296	495411.06	3859951.99	2.09E-04	7.62E-09	2.05E-06	1.61E-06	2.13E-04	9.93E-05	3.36E-03	1.54E-04	5.91E-05	3.67E-03	9.45E-05	6.30E-09	2.05E-06	1.61E-06	9.82E-05
2297	495461.06	3859951.99	2.08E-04	7.53E-09	2.06E-06	1.60E-06	2.12E-04	9.90E-05	3.32E-03	1.55E-04	5.88E-05	3.63E-03	9.42E-05	6.22E-09	2.06E-06	1.60E-06	9.79E-05
2298	495511.06	3859951.99	2.07E-04	7.44E-09	2.07E-06	1.60E-06	2.11E-04	9.86E-05	3.28E-03	1.56E-04	5.85E-05	3.59E-03	9.39E-05	6.14E-09	2.07E-06	1.60E-06	9.75E-05
2299	495561.06	3859951.99	2.07E-04	7.40E-09	2.07E-06	1.59E-06	2.11E-04	9.84E-05	3.26E-03	1.55E-04	5.82E-05	3.57E-03	9.36E-05	6.11E-09	2.07E-06	1.59E-06	9.73E-05
2300	495611.06	3859951.99	2.06E-04	7.30E-09	2.08E-06	1.58E-06	2.10E-04	9.81E-05	3.21E-03	1.56E-04	5.80E-05	3.53E-03	9.33E-05	6.03E-09	2.08E-06	1.58E-06	9.70E-05
2301	495661.06	3859951.99	2.05E-04	7.19E-09	2.10E-06	1.57E-06	2.09E-04	9.76E-05	3.17E-03	1.57E-04	5.77E-05	3.48E-03	9.29E-05	5.94E-09	2.10E-06	1.57E-06	9.66E-05
2302	494311.06	3860001.99	2.24E-04	9.76E-09	1.82E-06	1.77E-06	2.28E-04	1.07E-04	4.30E-03	1.36E-04	6.51E-05	4.61E-03	1.01E-04	8.06E-09	1.82E-06	1.77E-06	1.05E-04
2303	494361.06	3860001.99	2.23E-04	9.65E-09	1.82E-06	1.76E-06	2.27E-04	1.06E-04	4.25E-03	1.37E-04	6.47E-05	4.56E-03	1.01E-04	7.97E-09	1.82E-06	1.76E-06	1.05E-04
2304	494411.06	3860001.99	2.22E-04	9.48E-09	1.83E-06	1.75E-06	2.26E-04	1.06E-04	4.18E-03	1.38E-04	6.43E-05	4.48E-03	1.01E-04	7.83E-09	1.83E-06	1.75E-06	1.04E-04
2305	494461.06	3860001.99	2.22E-04	9.41E-09	1.84E-06	1.74E-06	2.25E-04	1.05E-04	4.14E-03	1.38E-04	6.39E-05	4.45E-03	1.00E-04	7.77E-09	1.84E-06	1.74E-06	1.04E-04
2306	494511.06	3860001.99	2.21E-04	9.28E-09	1.85E-06	1.73E-06	2.24E-04	1.05E-04	4.09E-03	1.38E-04	6.36E-05	4.39E-03	9.99E-05	7.66E-09	1.85E-06	1.73E-06	1.03E-04
2307	494561.06	3860001.99	2.20E-04	9.36E-09	1.84E-06	1.72E-06	2.24E-04	1.05E-04	4.12E-03	1.38E-04	6.30E-05	4.43E-03	9.96E-05	7.73E-09	1.84E-06	1.72E-06	1.03E-04
2308	494611.06	3860001.99	2.19E-04	9.23E-09	1.84E-06	1.71E-06	2.23E-04	1.04E-04	4.06E-03	1.38E-04	6.26E-05	4.37E-03	9.92E-05	7.62E-09	1.84E-06	1.71E-06	1.03E-04
2309	494661.06	3860001.99	2.18E-04	9.15E-09	1.85E-06	1.70E-06	2.22E-04	1.04E-04	4.03E-03	1.39E-04	6.22E-05	4.33E-03	9.88E-05	7.56E-09	1.85E-06	1.70E-06	1.02E-04
2310	494711.06	3860001.99	2.17E-04	8.90E-09	1.87E-06	1.69E-06	2.20E-04	1.03E-04	3.92E-03	1.40E-04	6.21E-05	4.22E-03	9.81E-05	7.35E-09	1.87E-06	1.69E-06	1.02E-04
2311	494761.06	3860001.99	2.17E-04	8.91E-09	1.87E-06	1.68E-06	2.20E-04	1.03E-04	3.92E-03	1.40E-04	6.16E-05	4.23E-03	9.81E-05	7.36E-09	1.87E-06	1.68E-06	1.02E-04
2312	494811.06	3860001.99	2.16E-04	8.84E-09	1.87E-06	1.67E-06	2.20E-04	1.03E-04	3.89E-03	1.40E-04	6.12E-05	4.20E-03	9.78E-05	7.30E-09	1.87E-06	1.67E-06	1.01E-04
2313	494861.06	3860001.99	2.15E-04	8.79E-09	1.87E-06	1.66E-06	2.19E-04	1.02E-04	3.87E-03	1.40E-04	6.08E-05	4.18E-03	9.75E-05	7.26E-09	1.87E-06	1.66E-06	1.01E-04
2314	494911.06	3860001.99	2.14E-04	8.57E-09	1.89E-06	1.65E-06	2.17E-04	1.02E-04	3.77E-03	1.42E-04	6.07E-05	4.08E-03	9.67E-05	7.08E-09	1.89E-06	1.65E-06	1.00E-04

2315	494961.06	3860001.99	2.13E-04	8.51E-09	1.89E-06	1.64E-06	2.17E-04	1.01E-04	3.75E-03	1.42E-04	6.03E-05	4.05E-03	9.64E-05	7.03E-09	1.89E-06	1.64E-06	9.99E-05
2316	495011.06	3860001.99	2.12E-04	8.40E-09	1.91E-06	1.64E-06	2.16E-04	1.01E-04	3.70E-03	1.43E-04	6.00E-05	4.00E-03	9.60E-05	6.94E-09	1.91E-06	1.64E-06	9.95E-05
2317	495061.06	3860001.99	2.12E-04	8.35E-09	1.91E-06	1.63E-06	2.15E-04	1.01E-04	3.68E-03	1.43E-04	5.96E-05	3.98E-03	9.57E-05	6.90E-09	1.91E-06	1.63E-06	9.93E-05
2318	495111.06	3860001.99	2.11E-04	8.24E-09	1.92E-06	1.62E-06	2.14E-04	1.00E-04	3.63E-03	1.44E-04	5.94E-05	3.93E-03	9.53E-05	6.80E-09	1.92E-06	1.62E-06	9.89E-05
2319	495161.06	3860001.99	2.10E-04	8.12E-09	1.93E-06	1.61E-06	2.13E-04	9.98E-05	3.58E-03	1.45E-04	5.91E-05	3.88E-03	9.49E-05	6.71E-09	1.93E-06	1.61E-06	9.85E-05
2320	495211.06	3860001.99	2.09E-04	8.07E-09	1.93E-06	1.60E-06	2.13E-04	9.95E-05	3.55E-03	1.45E-04	5.88E-05	3.86E-03	9.47E-05	6.67E-09	1.93E-06	1.60E-06	9.82E-05
2321	495261.06	3860001.99	2.08E-04	7.97E-09	1.94E-06	1.60E-06	2.12E-04	9.91E-05	3.51E-03	1.45E-04	5.85E-05	3.81E-03	9.43E-05	6.58E-09	1.94E-06	1.60E-06	9.78E-05
2322	495311.06	3860001.99	2.08E-04	7.89E-09	1.95E-06	1.59E-06	2.11E-04	9.88E-05	3.47E-03	1.46E-04	5.82E-05	3.78E-03	9.40E-05	6.52E-09	1.95E-06	1.59E-06	9.75E-05
2323	495361.06	3860001.99	2.07E-04	7.74E-09	1.96E-06	1.58E-06	2.10E-04	9.83E-05	3.41E-03	1.47E-04	5.80E-05	3.71E-03	9.36E-05	6.40E-09	1.96E-06	1.58E-06	9.71E-05
2324	495411.06	3860001.99	2.06E-04	7.71E-09	1.96E-06	1.57E-06	2.10E-04	9.81E-05	3.40E-03	1.47E-04	5.77E-05	3.70E-03	9.34E-05	6.37E-09	1.96E-06	1.57E-06	9.69E-05
2325	495461.06	3860001.99	2.06E-04	7.62E-09	1.97E-06	1.57E-06	2.09E-04	9.78E-05	3.36E-03	1.48E-04	5.74E-05	3.66E-03	9.30E-05	6.30E-09	1.97E-06	1.57E-06	9.66E-05
2326	495511.06	3860001.99	2.05E-04	7.54E-09	1.98E-06	1.56E-06	2.08E-04	9.74E-05	3.32E-03	1.48E-04	5.71E-05	3.62E-03	9.27E-05	6.23E-09	1.98E-06	1.56E-06	9.63E-05
2327	495561.06	3860001.99	2.04E-04	7.49E-09	1.98E-06	1.55E-06	2.08E-04	9.72E-05	3.30E-03	1.48E-04	5.69E-05	3.60E-03	9.25E-05	6.18E-09	1.98E-06	1.55E-06	9.60E-05
2328	495611.06	3860001.99	2.04E-04	7.38E-09	1.99E-06	1.54E-06	2.07E-04	9.68E-05	3.25E-03	1.49E-04	5.66E-05	3.55E-03	9.21E-05	6.10E-09	1.99E-06	1.54E-06	9.57E-05
2329	495661.06	3860001.99	2.03E-04	7.28E-09	2.00E-06	1.54E-06	2.06E-04	9.65E-05	3.21E-03	1.50E-04	5.64E-05	3.51E-03	9.18E-05	6.01E-09	2.00E-06	1.54E-06	9.53E-05
2330	494411.06	3860051.99	2.19E-04	9.55E-09	1.76E-06	1.71E-06	2.23E-04	1.04E-04	4.21E-03	1.32E-04	6.27E-05	4.51E-03	9.92E-05	7.89E-09	1.76E-06	1.71E-06	1.03E-04
2331	494461.06	3860051.99	2.19E-04	9.44E-09	1.77E-06	1.70E-06	2.22E-04	1.04E-04	4.16E-03	1.32E-04	6.23E-05	4.46E-03	9.88E-05	7.80E-09	1.77E-06	1.70E-06	1.02E-04
2332	494511.06	3860051.99	2.18E-04	9.34E-09	1.77E-06	1.69E-06	2.21E-04	1.04E-04	4.11E-03	1.33E-04	6.20E-05	4.41E-03	9.85E-05	7.72E-09	1.77E-06	1.69E-06	1.02E-04
2333	494561.06	3860051.99	2.17E-04	9.34E-09	1.77E-06	1.68E-06	2.20E-04	1.03E-04	4.11E-03	1.33E-04	6.15E-05	4.41E-03	9.81E-05	7.72E-09	1.77E-06	1.68E-06	1.02E-04
2334	494611.06	3860051.99	2.16E-04	9.28E-09	1.77E-06	1.67E-06	2.20E-04	1.03E-04	4.09E-03	1.33E-04	6.11E-05	4.38E-03	9.78E-05	7.66E-09	1.77E-06	1.67E-06	1.01E-04
2335	494661.06	3860051.99	2.15E-04	9.20E-09	1.78E-06	1.66E-06	2.19E-04	1.02E-04	4.05E-03	1.33E-04	6.07E-05	4.35E-03	9.74E-05	7.60E-09	1.78E-06	1.66E-06	1.01E-04
2336	494711.06	3860051.99	2.15E-04	9.03E-09	1.79E-06	1.65E-06	2.18E-04	1.02E-04	3.98E-03	1.34E-04	6.05E-05	4.27E-03	9.71E-05	7.46E-09	1.79E-06	1.65E-06	1.01E-04
2337	494761.06	3860051.99	2.14E-04	8.97E-09	1.79E-06	1.64E-06	2.17E-04	1.02E-04	3.95E-03	1.34E-04	6.01E-05	4.24E-03	9.67E-05	7.40E-09	1.79E-06	1.64E-06	1.00E-04
2338	494811.06	3860051.99	2.13E-04	8.93E-09	1.79E-06	1.63E-06	2.17E-04	1.01E-04	3.93E-03	1.34E-04	5.97E-05	4.23E-03	9.64E-05	7.38E-09	1.79E-06	1.63E-06	9.98E-05
2339	494861.06	3860051.99	2.12E-04	8.89E-09	1.79E-06	1.62E-06	2.16E-04	1.01E-04	3.92E-03	1.34E-04	5.93E-05	4.21E-03	9.61E-05	7.34E-09	1.79E-06	1.62E-06	9.95E-05
2340	494911.06	3860051.99	2.12E-04	8.76E-09	1.80E-06	1.61E-06	2.15E-04	1.01E-04	3.86E-03	1.35E-04	5.90E-05	4.15E-03	9.58E-05	7.23E-09	1.80E-06	1.61E-06	9.92E-05
2341	494961.06	3860051.99	2.11E-04	8.62E-09	1.81E-06	1.60E-06	2.14E-04	1.00E-04	3.79E-03	1.36E-04	5.88E-05	4.09E-03	9.54E-05	7.12E-09	1.81E-06	1.60E-06	9.88E-05
2342	495011.06	3860051.99	2.10E-04	8.50E-09	1.82E-06	1.60E-06	2.14E-04	9.99E-05	3.74E-03	1.36E-04	5.85E-05	4.04E-03	9.51E-05	7.02E-09	1.82E-06	1.60E-06	9.85E-05
2343	495061.06	3860051.99	2.10E-04	8.40E-09	1.83E-06	1.59E-06	2.13E-04	9.96E-05	3.70E-03	1.37E-04	5.82E-05	3.99E-03	9.48E-05	6.94E-09	1.83E-06	1.59E-06	9.82E-05
2344	495111.06	3860051.99	2.09E-04	8.27E-09	1.84E-06	1.58E-06	2.12E-04	9.92E-05	3.64E-03	1.38E-04	5.80E-05	3.94E-03	9.44E-05	6.83E-09	1.84E-06	1.58E-06	9.79E-05
2345	495161.06	3860051.99	2.07E-04	8.18E-09	1.84E-06	1.57E-06	2.11E-04	9.86E-05	3.60E-03	1.38E-04	5.77E-05	3.90E-03	9.38E-05	6.76E-09	1.84E-06	1.57E-06	9.72E-05
2346	495211.06	3860051.99	2.06E-04	8.08E-09	1.85E-06	1.57E-06	2.10E-04	9.82E-05	3.56E-03	1.39E-04	5.74E-05	3.85E-03	9.34E-05	6.67E-09	1.85E-06	1.57E-06	9.68E-05
2347	495261.06	3860051.99	2.06E-04	8.00E-09	1.86E-06	1.56E-06	2.09E-04	9.78E-05	3.53E-03	1.39E-04	5.71E-05	3.82E-03	9.31E-05	6.61E-09	1.86E-06	1.56E-06	9.65E-05
2348	495311.06	3860051.99	2.05E-04	7.94E-09	1.86E-06	1.55E-06	2.09E-04	9.75E-05	3.50E-03	1.40E-04	5.68E-05	3.79E-03	9.28E-05	6.56E-09	1.86E-06	1.55E-06	9.62E-05
2349	495361.06	3860051.99	2.05E-04	7.87E-09	1.87E-06	1.54E-06	2.08E-04	9.72E-05	3.47E-03	1.40E-04	5.65E-05	3.76E-03	9.25E-05	6.50E-09	1.87E-06	1.54E-06	9.59E-05
2350	495411.06	3860051.99	2.04E-04	7.79E-09	1.87E-06	1.54E-06	2.07E-04	9.69E-05	3.43E-03	1.41E-04	5.63E-05	3.72E-03	9.22E-05	6.43E-09	1.87E-06	1.54E-06	9.56E-05
2351	495461.06	3860051.99	2.03E-04	7.69E-09	1.88E-06	1.53E-06	2.07E-04	9.66E-05	3.39E-03	1.41E-04	5.61E-05	3.68E-03	9.19E-05	6.35E-09	1.88E-06	1.53E-06	9.53E-05
2352	495511.06	3860051.99	2.03E-04	7.63E-09	1.89E-06	1.52E-06	2.06E-04	9.63E-05	3.36E-03	1.41E-04	5.58E-05	3.65E-03	9.16E-05	6.30E-09	1.89E-06	1.52E-06	9.50E-05
2353	495561.06	3860051.99	2.02E-04	7.55E-09	1.89E-06	1.51E-06	2.05E-04	9.60E-05	3.32E-03	1.42E-04	5.55E-05	3.62E-03	9.13E-05	6.24E-09	1.89E-06	1.51E-06	9.47E-05
2354	495611.06	3860051.99	2.01E-04	7.46E-09	1.90E-06	1.51E-06	2.05E-04	9.56E-05	3.28E-03	1.43E-04	5.53E-05	3.58E-03	9.10E-05	6.16E-09	1.90E-06	1.51E-06	9.44E-05
2355	495661.06	3860051.99	2.00E-04	7.34E-09	1.92E-06	1.50E-06	2.04E-04	9.52E-05	3.23E-03	1.44E-04	5.51E-05	3.53E-03	9.06E-05	6.07E-09	1.92E-06	1.50E-06	9.41E-05
2356	494411.06	3860101.99	2.16E-04	9.50E-09	1.70E-06	1.67E-06	2.20E-04	1.03E-04	4.19E-03	1.28E-04	6.12E-05	4.48E-03	9.78E-05	7.85E-09	1.70E-06	1.67E-06	1.01E-04
2357	494461.06	3860101.99	2.15E-04	9.49E-09	1.70E-06	1.66E-06	2.19E-04	1.02E-04	4.18E-03	1.28E-04	6.08E-05	4.47E-03	9.75E-05	7.84E-09	1.70E-06	1.66E-06	1.01E-04
2358	494511.06	3860101.99	2.15E-04	9.34E-09	1.71E-06	1.65E-06	2.18E-04	1.02E-04	4.11E-03	1.28E-04	6.05E-05	4.40E-03	9.71E-05	7.71E-09	1.71E-06	1.65E-06	1.00E-04
2359	494561.06	3860101.99	2.14E-04	9.28E-09	1.71E-06	1.64E-06	2.17E-04	1.02E-04	4.09E-03	1.28E-04	6.01E-05	4.38E-03	9.68E-05	7.67E-09	1.71E-06	1.64E-06	1.00E-04
2360	494611.06	3860101.99	2.13E-04	9.28E-09	1.71E-06	1.63E-06	2.16E-04	1.01E-04	4.09E-03	1.28E-04	5.96E-05	4.38E-03	9.64E-05	7.66E-09	1.71E-06	1.63E-06	9.97E-05
2361	494661.06	3860101.99	2.12E-04	9.21E-09	1.71E-06	1.62E-06	2.16E-04	1.01E-04	4.06E-03	1.28E-04	5.93E-05	4.35E-03	9.60E-05	7.61E-09	1.71E-06	1.62E-06	9.94E-05
2362	494711.06	3860101.99	2.12E-04	9.07E-09	1.72E-06	1.61E-06	2.15E-04	1.01E-04	3.99E-03	1.29E-04	5.90E-05	4.28E-03	9.57E-05	7.49E-09	1.72E-06	1.61E-06	9.91E-05
2363	494761.06	3860101.99	2.11E-04	9.00E-09	1.72E-06	1.60E-06	2.14E-04	1.00E-04	3.96E-03	1.29E-04	5.86E-05	4.25E-03	9.54E-05	7.43E-09	1.72E-06	1.60E-06	9.87E-05
2364	494811.06	3860101.99	2.10E-04	8.94E-09	1.72E-06	1.59E-06	2.13E-04	9.99E-05	3.93E-03	1.29E-04	5.83E-05	4.22E-03	9.50E-05	7.38E-09	1.72E-06	1.59E-06	9.84E-05
2365	494861.06	3860101.99	2.09E-04	8.98E-09	1.72E-06	1.58E-06	2.13E-04	9.95E-05	3.95E-03	1.29E-04	5.78E-05	4.24E-03	9.47E-05	7.41E-09	1.72E-06	1.58E-06	9.80E-05
2366	494911.06	3860101.99	2.09E-04	8.72E-09	1.74E-06	1.57E-06	2.12E-04	9.92E-05	3.84E-03	1.30E-04	5.77E-05	4.13E-03	9.44E-05	7.21E-09	1.74E-06	1.57E-06	9.77E-05
2367	494961.06	3860101.99	2.08E-04	8.65E-09	1.74E-06	1.56E-06	2.11E-04	9.89E-05	3.81E-03	1.31E-04	5.74E-05	4.09E-03	9.41E-05	7.14E-09	1.74E-06	1.56E-06	9.74E-05
2368	495011.06	3860101.99	2.07E-04	8.53E-09	1.75E-06	1.56E-06	2.11E-04	9.85E-05	3.76E-03	1.31E-04	5.71E-05	4.04E-03	9.37E-05	7.05E-09	1.75E-06	1.56E-06	9.71E-05
2369	495061.06	3860101.99	2.07E-04	8.42E-09	1.76E-06	1.55E-06	2.10E-04	9.82E-05	3.71E-03	1.32E-04	5.69E-05	4.00E-03	9.34E-05	6.96E-09	1.76E-06	1.55E-06	9.67E-05
2370	495111.06	3860101.99	2.06E-04	8.29E-09	1.77E-06	1.54E-06	2.09E-04	9.79E-05	3.65E-03	1.32E-04	5.66E-05	3.94E-03	9.31E-05	6.85E-09	1.77E-06	1.54E-06	9.64E-05
2371	495161.06	3860101.99	2.05E-04	8.23E-09	1.77E-06	1.54E-06	2.08E-04	9.75E-05	3.62E-03	1.33E-04	5.63E-05	3.91E-03	9.28E-05	6.79E-09	1.77E-06	1.54E-06	9.61E-05
2372	495211.06	3860101.99	2.04E-04	8.14E-09	1.78E-06	1.53E-06	2.08E-04	9.72E-05	3.58E-03	1.33E-04	5.60E-05	3.87E-03	9.25E-05	6.72E-09	1.78E-06	1.53E-06	9.58E-05
2373	495261.06	3860101.99	2.04E-04	8.05E-09	1.78E-06	1.52E-06	2.07E-04	9.69E-05	3.55E-03	1.34E-04	5.58E-05	3.83E-03	9.22E-05	6.65E-09	1.78E-06	1.52E-06	9.55E-05
2374	495311.06	3860101.99	2.03E-04	7.97E-09	1.79E-06	1.51E-06	2.06E-04	9.66E-05	3.51E-03	1.34E-04	5.55E-05	3.80E-03	9.19E-05	6.59E-09	1.79E-06	1.51E-06	9.52E-05
2375	495361.06	3860101.99	2.03E-04	7.92E-09	1.79E-06	1.51E-06	2.06E-04	9.63E-05	3.49E-03	1.34E-04	5.52E-05	3.77E-03	9.16E-05	6.54E-09	1.79E-06	1.51E-06	9.49E-05

2376	495411.06	3860101.99	2.02E-04	7.83E-09	1.80E-06	1.50E-06	2.05E-04	9.60E-05	3.45E-03	1.35E-04	5.50E-05	3.73E-03	9.13E-05	6.47E-09	1.80E-06	1.50E-06	9.46E-05
2377	495461.06	3860101.99	2.00E-04	7.71E-09	1.81E-06	1.49E-06	2.04E-04	9.53E-05	3.40E-03	1.36E-04	5.48E-05	3.68E-03	9.07E-05	6.37E-09	1.81E-06	1.49E-06	9.40E-05
2378	495511.06	3860101.99	2.00E-04	7.66E-09	1.81E-06	1.49E-06	2.03E-04	9.50E-05	3.37E-03	1.36E-04	5.45E-05	3.66E-03	9.04E-05	6.33E-09	1.81E-06	1.49E-06	9.37E-05
2379	495561.06	3860101.99	1.99E-04	7.61E-09	1.81E-06	1.48E-06	2.03E-04	9.48E-05	3.35E-03	1.36E-04	5.42E-05	3.64E-03	9.02E-05	6.28E-09	1.81E-06	1.48E-06	9.35E-05
2380	495611.06	3860101.99	1.99E-04	7.49E-09	1.83E-06	1.47E-06	2.02E-04	9.44E-05	3.30E-03	1.37E-04	5.41E-05	3.58E-03	8.98E-05	6.19E-09	1.83E-06	1.47E-06	9.31E-05
2381	495661.06	3860101.99	1.98E-04	7.42E-09	1.83E-06	1.47E-06	2.01E-04	9.41E-05	3.27E-03	1.37E-04	5.38E-05	3.55E-03	8.95E-05	6.13E-09	1.83E-06	1.47E-06	9.28E-05
2382	494861.06	3860151.99	2.06E-04	9.03E-09	1.67E-06	1.54E-06	2.09E-04	9.79E-05	3.98E-03	1.25E-04	5.65E-05	4.26E-03	9.32E-05	7.46E-09	1.67E-06	1.54E-06	9.64E-05
2383	494911.06	3860151.99	2.06E-04	8.77E-09	1.67E-06	1.54E-06	2.09E-04	9.78E-05	3.86E-03	1.26E-04	5.63E-05	4.14E-03	9.30E-05	7.25E-09	1.67E-06	1.54E-06	9.62E-05
2384	494961.06	3860151.99	2.05E-04	8.67E-09	1.68E-06	1.53E-06	2.08E-04	9.75E-05	3.82E-03	1.26E-04	5.60E-05	4.10E-03	9.27E-05	7.16E-09	1.68E-06	1.53E-06	9.59E-05
2385	495011.06	3860151.99	2.04E-04	8.56E-09	1.68E-06	1.52E-06	2.08E-04	9.71E-05	3.77E-03	1.26E-04	5.58E-05	4.05E-03	9.24E-05	7.07E-09	1.68E-06	1.52E-06	9.56E-05
2386	495061.06	3860151.99	2.04E-04	8.45E-09	1.69E-06	1.51E-06	2.07E-04	9.68E-05	3.72E-03	1.27E-04	5.55E-05	4.00E-03	9.21E-05	6.98E-09	1.69E-06	1.51E-06	9.53E-05
2387	495111.06	3860151.99	2.03E-04	8.36E-09	1.69E-06	1.51E-06	2.06E-04	9.65E-05	3.68E-03	1.27E-04	5.53E-05	3.96E-03	9.18E-05	6.90E-09	1.69E-06	1.51E-06	9.50E-05
2388	495161.06	3860151.99	2.02E-04	8.27E-09	1.70E-06	1.50E-06	2.06E-04	9.62E-05	3.64E-03	1.28E-04	5.50E-05	3.92E-03	9.15E-05	6.83E-09	1.70E-06	1.50E-06	9.47E-05
2389	495211.06	3860151.99	2.02E-04	8.18E-09	1.71E-06	1.49E-06	2.05E-04	9.59E-05	3.60E-03	1.28E-04	5.47E-05	3.88E-03	9.12E-05	6.76E-09	1.71E-06	1.49E-06	9.44E-05
2390	495261.06	3860151.99	2.01E-04	8.10E-09	1.71E-06	1.49E-06	2.04E-04	9.55E-05	3.57E-03	1.28E-04	5.45E-05	3.85E-03	9.09E-05	6.69E-09	1.71E-06	1.49E-06	9.41E-05
2391	495311.06	3860151.99	2.00E-04	8.03E-09	1.72E-06	1.48E-06	2.04E-04	9.52E-05	3.53E-03	1.29E-04	5.42E-05	3.81E-03	9.06E-05	6.63E-09	1.72E-06	1.48E-06	9.38E-05
2392	495361.06	3860151.99	2.00E-04	7.95E-09	1.72E-06	1.47E-06	2.03E-04	9.50E-05	3.50E-03	1.29E-04	5.39E-05	3.78E-03	9.03E-05	6.57E-09	1.72E-06	1.47E-06	9.35E-05
2393	495411.06	3860151.99	1.99E-04	7.87E-09	1.73E-06	1.46E-06	2.02E-04	9.47E-05	3.47E-03	1.29E-04	5.37E-05	3.74E-03	9.01E-05	6.50E-09	1.73E-06	1.46E-06	9.33E-05
2394	495461.06	3860151.99	1.98E-04	7.79E-09	1.73E-06	1.46E-06	2.02E-04	9.44E-05	3.43E-03	1.30E-04	5.35E-05	3.71E-03	8.98E-05	6.44E-09	1.73E-06	1.46E-06	9.30E-05
2395	495511.06	3860151.99	1.98E-04	7.70E-09	1.74E-06	1.45E-06	2.01E-04	9.41E-05	3.39E-03	1.30E-04	5.32E-05	3.67E-03	8.95E-05	6.36E-09	1.74E-06	1.45E-06	9.27E-05
2396	495561.06	3860151.99	1.97E-04	7.63E-09	1.74E-06	1.44E-06	2.00E-04	9.38E-05	3.36E-03	1.31E-04	5.30E-05	3.64E-03	8.92E-05	6.30E-09	1.74E-06	1.44E-06	9.24E-05
2397	495611.06	3860151.99	1.97E-04	7.55E-09	1.75E-06	1.44E-06	2.00E-04	9.35E-05	3.32E-03	1.31E-04	5.28E-05	3.60E-03	8.89E-05	6.23E-09	1.75E-06	1.44E-06	9.21E-05
2398	495661.06	3860151.99	1.96E-04	7.45E-09	1.76E-06	1.43E-06	1.99E-04	9.32E-05	3.28E-03	1.32E-04	5.26E-05	3.56E-03	8.87E-05	6.15E-09	1.76E-06	1.43E-06	9.19E-05
2399	495718.25	3859442.96	2.17E-04	5.93E-09	2.81E-06	1.80E-06	2.22E-04	1.03E-04	2.61E-03	2.11E-04	6.61E-05	2.99E-03	9.82E-05	4.90E-09	2.81E-06	1.80E-06	1.03E-04
2400	495818.25	3859442.96	2.14E-04	5.78E-09	2.78E-06	1.77E-06	2.18E-04	1.02E-04	2.54E-03	2.09E-04	6.50E-05	2.92E-03	9.67E-05	4.77E-09	2.78E-06	1.77E-06	1.01E-04
2401	495918.25	3859442.96	2.12E-04	5.66E-09	2.76E-06	1.75E-06	2.16E-04	1.01E-04	2.49E-03	2.07E-04	6.40E-05	2.87E-03	9.57E-05	4.68E-09	2.76E-06	1.75E-06	1.00E-04
2402	496018.25	3859442.96	2.10E-04	5.57E-09	2.74E-06	1.72E-06	2.14E-04	9.98E-05	2.45E-03	2.06E-04	6.31E-05	2.82E-03	9.49E-05	4.60E-09	2.74E-06	1.72E-06	9.94E-05
2403	496118.25	3859442.96	2.11E-04	5.58E-09	2.75E-06	1.71E-06	2.16E-04	1.00E-04	2.46E-03	2.06E-04	6.28E-05	2.83E-03	9.55E-05	4.61E-09	2.75E-06	1.71E-06	9.99E-05
2404	496218.25	3859442.96	2.12E-04	5.59E-09	2.75E-06	1.70E-06	2.16E-04	1.01E-04	2.46E-03	2.06E-04	6.24E-05	2.83E-03	9.58E-05	4.62E-09	2.75E-06	1.70E-06	1.00E-04
2405	496318.25	3859442.96	2.10E-04	5.50E-09	2.74E-06	1.68E-06	2.15E-04	1.00E-04	2.42E-03	2.05E-04	6.16E-05	2.79E-03	9.51E-05	4.55E-09	2.74E-06	1.68E-06	9.96E-05
2406	496418.25	3859442.96	2.09E-04	5.41E-09	2.72E-06	1.66E-06	2.13E-04	9.92E-05	2.38E-03	2.04E-04	6.08E-05	2.75E-03	9.44E-05	4.47E-09	2.72E-06	1.66E-06	9.88E-05
2407	495718.25	3859542.96	2.17E-04	6.19E-09	2.71E-06	1.78E-06	2.22E-04	1.03E-04	2.73E-03	2.03E-04	6.54E-05	3.10E-03	9.82E-05	5.11E-09	2.71E-06	1.78E-06	1.03E-04
2408	495818.25	3859542.96	2.15E-04	6.06E-09	2.69E-06	1.76E-06	2.19E-04	1.02E-04	2.67E-03	2.02E-04	6.44E-05	3.04E-03	9.72E-05	5.01E-09	2.69E-06	1.76E-06	1.02E-04
2409	495918.25	3859542.96	2.12E-04	5.92E-09	2.67E-06	1.73E-06	2.17E-04	1.01E-04	2.61E-03	2.00E-04	6.34E-05	2.97E-03	9.60E-05	4.89E-09	2.67E-06	1.73E-06	1.00E-04
2410	496018.25	3859542.96	2.10E-04	5.79E-09	2.65E-06	1.70E-06	2.14E-04	9.98E-05	2.55E-03	1.99E-04	6.25E-05	2.91E-03	9.50E-05	4.78E-09	2.65E-06	1.70E-06	9.93E-05
2411	496118.25	3859542.96	2.10E-04	5.81E-09	2.64E-06	1.69E-06	2.15E-04	1.00E-04	2.56E-03	1.98E-04	6.21E-05	2.92E-03	9.52E-05	4.80E-09	2.64E-06	1.69E-06	9.96E-05
2412	496218.25	3859542.96	2.10E-04	5.79E-09	2.63E-06	1.68E-06	2.15E-04	1.00E-04	2.55E-03	1.97E-04	6.16E-05	2.91E-03	9.51E-05	4.78E-09	2.63E-06	1.68E-06	9.95E-05
2413	496318.25	3859542.96	2.10E-04	5.74E-09	2.62E-06	1.66E-06	2.14E-04	9.97E-05	2.53E-03	1.96E-04	6.10E-05	2.89E-03	9.48E-05	4.74E-09	2.62E-06	1.66E-06	9.91E-05
2414	496418.25	3859542.96	2.07E-04	5.62E-09	2.60E-06	1.64E-06	2.12E-04	9.87E-05	2.47E-03	1.95E-04	6.01E-05	2.83E-03	9.39E-05	4.64E-09	2.60E-06	1.64E-06	9.81E-05
2415	495718.25	3859642.96	2.15E-04	6.41E-09	2.60E-06	1.75E-06	2.20E-04	1.02E-04	2.82E-03	1.95E-04	6.40E-05	3.19E-03	9.75E-05	5.30E-09	2.60E-06	1.75E-06	1.02E-04
2416	495818.25	3859642.96	2.13E-04	6.26E-09	2.59E-06	1.72E-06	2.17E-04	1.01E-04	2.76E-03	1.94E-04	6.31E-05	3.12E-03	9.64E-05	5.17E-09	2.59E-06	1.72E-06	1.01E-04
2417	495918.25	3859642.96	2.11E-04	6.16E-09	2.57E-06	1.70E-06	2.16E-04	1.01E-04	2.71E-03	1.93E-04	6.23E-05	3.07E-03	9.56E-05	5.09E-09	2.57E-06	1.70E-06	9.99E-05
2418	496018.25	3859642.96	2.09E-04	6.03E-09	2.56E-06	1.68E-06	2.13E-04	9.95E-05	2.65E-03	1.92E-04	6.15E-05	3.01E-03	9.46E-05	4.98E-09	2.56E-06	1.68E-06	9.89E-05
2419	496118.25	3859642.96	2.10E-04	6.06E-09	2.53E-06	1.67E-06	2.14E-04	9.97E-05	2.67E-03	1.90E-04	6.11E-05	3.02E-03	9.48E-05	5.01E-09	2.53E-06	1.67E-06	9.91E-05
2420	496218.25	3859642.96	2.09E-04	6.05E-09	2.51E-06	1.65E-06	2.14E-04	9.95E-05	2.67E-03	1.88E-04	6.06E-05	3.01E-03	9.47E-05	5.00E-09	2.51E-06	1.65E-06	9.89E-05
2421	496318.25	3859642.96	2.08E-04	5.94E-09	2.50E-06	1.63E-06	2.12E-04	9.87E-05	2.62E-03	1.88E-04	5.99E-05	2.96E-03	9.39E-05	4.91E-09	2.50E-06	1.63E-06	9.81E-05
2422	496418.25	3859642.96	2.02E-04	5.61E-09	2.49E-06	1.60E-06	2.06E-04	9.61E-05	2.47E-03	1.87E-04	5.85E-05	2.81E-03	9.15E-05	4.64E-09	2.49E-06	1.60E-06	9.56E-05
2423	495718.25	3859742.96	2.14E-04	6.70E-09	2.46E-06	1.70E-06	2.18E-04	1.02E-04	2.95E-03	1.84E-04	6.23E-05	3.30E-03	9.66E-05	5.53E-09	2.46E-06	1.70E-06	1.01E-04
2424	495818.25	3859742.96	2.11E-04	6.51E-09	2.46E-06	1.68E-06	2.15E-04	1.00E-04	2.87E-03	1.85E-04	6.15E-05	3.22E-03	9.56E-05	5.38E-09	2.46E-06	1.68E-06	9.97E-05
2425	495918.25	3859742.96	2.09E-04	6.38E-09	2.45E-06	1.66E-06	2.13E-04	9.95E-05	2.81E-03	1.84E-04	6.08E-05	3.15E-03	9.47E-05	5.27E-09	2.45E-06	1.66E-06	9.88E-05
2426	496018.25	3859742.96	2.07E-04	6.24E-09	2.45E-06	1.64E-06	2.11E-04	9.86E-05	2.75E-03	1.83E-04	6.01E-05	3.09E-03	9.38E-05	5.15E-09	2.45E-06	1.64E-06	9.79E-05
2427	496118.25	3859742.96	2.07E-04	6.25E-09	2.42E-06	1.62E-06	2.11E-04	9.84E-05	2.75E-03	1.81E-04	5.95E-05	3.09E-03	9.37E-05	5.16E-09	2.42E-06	1.62E-06	9.77E-05
2428	496218.25	3859742.96	2.07E-04	6.29E-09	2.38E-06	1.61E-06	2.11E-04	9.84E-05	2.77E-03	1.79E-04	5.90E-05	3.11E-03	9.37E-05	5.19E-09	2.38E-06	1.61E-06	9.77E-05
2429	496318.25	3859742.96	2.03E-04	5.99E-09	2.40E-06	1.59E-06	2.07E-04	9.66E-05	2.64E-03	1.80E-04	5.82E-05	2.97E-03	9.19E-05	4.94E-09	2.40E-06	1.59E-06	9.59E-05
2430	496418.25	3859742.96	2.00E-04	5.72E-09	2.41E-06	1.57E-06	2.03E-04	9.49E-05	2.52E-03	1.81E-04	5.74E-05	2.85E-03	9.03E-05	4.73E-09	2.41E-06	1.57E-06	9.42E-05
2431	495718.25	3859842.96	2.10E-04	6.93E-09	2.29E-06	1.64E-06	2.14E-04	9.98E-05	3.05E-03	1.72E-04	6.01E-05	3.38E-03	9.49E-05	5.72E-09	2.29E-06	1.64E-06	9.89E-05
2432	495818.25	3859842.96	2.08E-04	6.78E-09	2.29E-06	1.62E-06	2.12E-04	9.90E-05	2.98E-03	1.72E-04	5.95E-05	3.31E-03	9.42E-05	5.60E-09	2.29E-06	1.62E-06	9.81E-05
2433	495918.25	3859842.96	2.07E-04	6.62E-09	2.30E-06	1.61E-06	2.10E-04	9.82E-05	2.92E-03	1.72E-04	5.89E-05	3.25E-03	9.34E-05	5.47E-09	2.30E-06	1.61E-06	9.74E-05
2434	496018.25	3859842.96	2.05E-04	6.53E-09	2.29E-06	1.59E-06	2.09E-04	9.76E-05	2.88E-03	1.72E-04	5.83E-05	3.20E-03	9.28E-05	5.39E-09	2.29E-06	1.59E-06	9.67E-05
2435	496118.25	3859842.96	2.05E-04	6.59E-09	2.24E-06	1.57E-06	2.09E-04	9.75E-05	2.90E-03	1.68E-04	5.77E-05	3.22E-03	9.28E-05	5.44E-09	2.24E-06	1.57E-06	9.66E-05
2436	496218.25	3859842.96	2.02E-04	6.29E-09	2.28E-06	1.56E-06	2.06E-04	9.61E-05	2.77E-03	1.71E-04	5.71E-05	3.09E-03	9.15E-05	5.20E-09	2.28E-06	1.56E-06	9.53E-05

2437	496318.25	3859842.96	1.96E-04	5.77E-09	2.34E-06	1.53E-06	2.00E-04	9.31E-05	2.54E-03	1.76E-04	5.60E-05	2.87E-03	8.86E-05	4.77E-09	2.34E-06	1.53E-06	9.25E-05
2438	496418.25	3859842.96	1.91E-04	5.45E-09	2.34E-06	1.49E-06	1.94E-04	9.06E-05	2.40E-03	1.75E-04	5.47E-05	2.72E-03	8.62E-05	4.50E-09	2.34E-06	1.49E-06	9.01E-05
2439	495718.25	3859942.96	2.05E-04	7.10E-09	2.11E-06	1.57E-06	2.09E-04	9.75E-05	3.13E-03	1.59E-04	5.77E-05	3.44E-03	9.28E-05	5.87E-09	2.11E-06	1.57E-06	9.65E-05
2440	495818.25	3859942.96	2.04E-04	6.94E-09	2.13E-06	1.56E-06	2.07E-04	9.68E-05	3.05E-03	1.60E-04	5.71E-05	3.37E-03	9.21E-05	5.73E-09	2.13E-06	1.56E-06	9.58E-05
2441	495918.25	3859942.96	2.02E-04	6.82E-09	2.13E-06	1.54E-06	2.06E-04	9.63E-05	3.00E-03	1.60E-04	5.66E-05	3.31E-03	9.16E-05	5.63E-09	2.13E-06	1.54E-06	9.53E-05
2442	496018.25	3859942.96	2.02E-04	6.81E-09	2.10E-06	1.53E-06	2.05E-04	9.59E-05	3.00E-03	1.58E-04	5.59E-05	3.31E-03	9.13E-05	5.62E-09	2.10E-06	1.53E-06	9.49E-05
2443	496118.25	3859942.96	2.00E-04	6.57E-09	2.14E-06	1.52E-06	2.03E-04	9.50E-05	2.89E-03	1.60E-04	5.56E-05	3.20E-03	9.04E-05	5.42E-09	2.14E-06	1.52E-06	9.40E-05
2444	496218.25	3859942.96	1.97E-04	6.20E-09	2.20E-06	1.50E-06	2.00E-04	9.34E-05	2.73E-03	1.65E-04	5.51E-05	3.04E-03	8.89E-05	5.12E-09	2.20E-06	1.50E-06	9.26E-05
2445	496318.25	3859942.96	1.93E-04	5.84E-09	2.25E-06	1.48E-06	1.96E-04	9.15E-05	2.57E-03	1.69E-04	5.44E-05	2.89E-03	8.71E-05	4.82E-09	2.25E-06	1.48E-06	9.08E-05
2446	496418.25	3859942.96	1.86E-04	5.40E-09	2.27E-06	1.44E-06	1.90E-04	8.85E-05	2.38E-03	1.70E-04	5.30E-05	2.69E-03	8.42E-05	4.46E-09	2.27E-06	1.44E-06	8.79E-05
2447	496856.82	3858864.83	1.92E-04	4.04E-09	2.90E-06	1.61E-06	1.96E-04	9.13E-05	1.78E-03	2.18E-04	5.89E-05	2.15E-03	8.68E-05	3.33E-09	2.90E-06	1.61E-06	9.14E-05
2448	496956.82	3858864.83	1.90E-04	3.97E-09	2.85E-06	1.59E-06	1.94E-04	9.01E-05	1.75E-03	2.14E-04	5.82E-05	2.11E-03	8.58E-05	3.28E-09	2.85E-06	1.59E-06	9.02E-05
2449	497056.82	3858864.83	1.87E-04	3.90E-09	2.81E-06	1.57E-06	1.92E-04	8.90E-05	1.72E-03	2.11E-04	5.75E-05	2.08E-03	8.47E-05	3.22E-09	2.81E-06	1.57E-06	8.91E-05
2450	497156.82	3858864.83	1.84E-04	3.82E-09	2.76E-06	1.55E-06	1.89E-04	8.76E-05	1.68E-03	2.07E-04	5.67E-05	2.03E-03	8.33E-05	3.16E-09	2.76E-06	1.55E-06	8.77E-05
2451	497256.82	3858864.83	1.84E-04	3.79E-09	2.74E-06	1.53E-06	1.88E-04	8.73E-05	1.67E-03	2.05E-04	5.62E-05	2.02E-03	8.31E-05	3.13E-09	2.74E-06	1.53E-06	8.74E-05
2452	496856.82	3858964.83	1.95E-04	4.20E-09	2.91E-06	1.61E-06	2.00E-04	9.27E-05	1.85E-03	2.19E-04	5.89E-05	2.22E-03	8.83E-05	3.47E-09	2.91E-06	1.61E-06	9.28E-05
2453	496956.82	3858964.83	1.91E-04	4.10E-09	2.86E-06	1.58E-06	1.96E-04	9.10E-05	1.81E-03	2.14E-04	5.79E-05	2.17E-03	8.66E-05	3.39E-09	2.86E-06	1.58E-06	9.10E-05
2454	497056.82	3858964.83	1.89E-04	4.03E-09	2.82E-06	1.56E-06	1.93E-04	8.97E-05	1.77E-03	2.11E-04	5.71E-05	2.13E-03	8.54E-05	3.33E-09	2.82E-06	1.56E-06	8.98E-05
2455	497156.82	3858964.83	1.86E-04	3.95E-09	2.77E-06	1.54E-06	1.90E-04	8.84E-05	1.74E-03	2.08E-04	5.64E-05	2.09E-03	8.42E-05	3.26E-09	2.77E-06	1.54E-06	8.85E-05
2456	497256.82	3858964.83	1.88E-04	3.97E-09	2.78E-06	1.53E-06	1.92E-04	8.94E-05	1.75E-03	2.09E-04	5.62E-05	2.10E-03	8.51E-05	3.28E-09	2.78E-06	1.53E-06	8.94E-05
2457	496856.82	3859064.83	1.95E-04	4.31E-09	2.89E-06	1.59E-06	2.00E-04	9.28E-05	1.90E-03	2.17E-04	5.83E-05	2.27E-03	8.83E-05	3.56E-09	2.89E-06	1.59E-06	9.28E-05
2458	496956.82	3859064.83	1.92E-04	4.23E-09	2.85E-06	1.57E-06	1.97E-04	9.15E-05	1.86E-03	2.13E-04	5.75E-05	2.22E-03	8.70E-05	3.49E-09	2.85E-06	1.57E-06	9.14E-05
2459	497056.82	3859064.83	1.90E-04	4.16E-09	2.81E-06	1.55E-06	1.94E-04	9.04E-05	1.83E-03	2.11E-04	5.68E-05	2.19E-03	8.60E-05	3.43E-09	2.81E-06	1.55E-06	9.04E-05
2460	497156.82	3859064.83	1.88E-04	4.09E-09	2.78E-06	1.53E-06	1.93E-04	8.95E-05	1.80E-03	2.08E-04	5.61E-05	2.16E-03	8.52E-05	3.38E-09	2.78E-06	1.53E-06	8.95E-05
2461	497256.82	3859064.83	1.92E-04	4.14E-09	2.82E-06	1.53E-06	1.96E-04	9.12E-05	1.82E-03	2.11E-04	5.61E-05	2.18E-03	8.68E-05	3.42E-09	2.82E-06	1.53E-06	9.12E-05
2462	496856.82	3859164.83	1.93E-04	4.38E-09	2.82E-06	1.57E-06	1.97E-04	9.18E-05	1.93E-03	2.11E-04	5.75E-05	2.29E-03	8.73E-05	3.62E-09	2.82E-06	1.57E-06	9.17E-05
2463	496956.82	3859164.83	1.90E-04	4.28E-09	2.77E-06	1.54E-06	1.94E-04	9.04E-05	1.89E-03	2.08E-04	5.66E-05	2.24E-03	8.60E-05	3.54E-09	2.77E-06	1.54E-06	9.03E-05
2464	497056.82	3859164.83	1.89E-04	4.24E-09	2.76E-06	1.53E-06	1.93E-04	8.99E-05	1.87E-03	2.07E-04	5.61E-05	2.22E-03	8.56E-05	3.50E-09	2.76E-06	1.53E-06	8.99E-05
2465	497156.82	3859164.83	1.91E-04	4.24E-09	2.78E-06	1.52E-06	1.95E-04	9.07E-05	1.87E-03	2.08E-04	5.59E-05	2.22E-03	8.63E-05	3.51E-09	2.78E-06	1.52E-06	9.06E-05
2466	497256.82	3859164.83	1.95E-04	4.32E-09	2.84E-06	1.53E-06	1.99E-04	9.27E-05	1.90E-03	2.13E-04	5.60E-05	2.26E-03	8.82E-05	3.57E-09	2.84E-06	1.53E-06	9.26E-05
2467	496856.82	3859264.83	1.89E-04	4.41E-09	2.70E-06	1.54E-06	1.94E-04	9.01E-05	1.94E-03	2.03E-04	5.65E-05	2.29E-03	8.57E-05	3.64E-09	2.70E-06	1.54E-06	9.00E-05
2468	496956.82	3859264.83	1.89E-04	4.38E-09	2.70E-06	1.53E-06	1.94E-04	9.01E-05	1.93E-03	2.03E-04	5.60E-05	2.28E-03	8.57E-05	3.62E-09	2.70E-06	1.53E-06	8.99E-05
2469	497056.82	3859264.83	1.91E-04	4.39E-09	2.73E-06	1.52E-06	1.95E-04	9.09E-05	1.93E-03	2.05E-04	5.58E-05	2.29E-03	8.65E-05	3.63E-09	2.73E-06	1.52E-06	9.07E-05
2470	497156.82	3859264.83	1.92E-04	4.40E-09	2.75E-06	1.51E-06	1.97E-04	9.15E-05	1.94E-03	2.06E-04	5.55E-05	2.29E-03	8.71E-05	3.63E-09	2.75E-06	1.51E-06	9.13E-05
2471	497256.82	3859264.83	1.96E-04	4.46E-09	2.79E-06	1.51E-06	2.00E-04	9.30E-05	1.96E-03	2.09E-04	5.55E-05	2.32E-03	8.85E-05	3.68E-09	2.79E-06	1.51E-06	9.28E-05
2472	497088.92	3858620.93	1.79E-04	3.52E-09	2.80E-06	1.57E-06	1.83E-04	8.50E-05	1.55E-03	2.10E-04	5.77E-05	1.90E-03	8.09E-05	2.90E-09	2.80E-06	1.57E-06	8.53E-05
2473	497138.92	3858620.93	1.79E-04	3.51E-09	2.79E-06	1.57E-06	1.83E-04	8.50E-05	1.54E-03	2.09E-04	5.75E-05	1.90E-03	8.09E-05	2.90E-09	2.79E-06	1.57E-06	8.52E-05
2474	497188.92	3858620.93	1.77E-04	3.47E-09	2.76E-06	1.56E-06	1.81E-04	8.41E-05	1.53E-03	2.07E-04	5.71E-05	1.88E-03	8.00E-05	2.87E-09	2.76E-06	1.56E-06	8.43E-05
2475	497238.92	3858620.93	1.76E-04	3.45E-09	2.75E-06	1.55E-06	1.80E-04	8.37E-05	1.52E-03	2.06E-04	5.68E-05	1.87E-03	7.97E-05	2.85E-09	2.75E-06	1.55E-06	8.40E-05
2476	497088.92	3858670.93	1.78E-04	3.55E-09	2.75E-06	1.56E-06	1.82E-04	8.45E-05	1.56E-03	2.06E-04	5.73E-05	1.91E-03	8.04E-05	2.93E-09	2.75E-06	1.56E-06	8.47E-05
2477	497138.92	3858670.93	1.79E-04	3.56E-09	2.75E-06	1.56E-06	1.83E-04	8.49E-05	1.57E-03	2.06E-04	5.72E-05	1.91E-03	8.08E-05	2.94E-09	2.75E-06	1.56E-06	8.51E-05
2478	497188.92	3858670.93	1.77E-04	3.52E-09	2.73E-06	1.55E-06	1.82E-04	8.43E-05	1.55E-03	2.05E-04	5.69E-05	1.90E-03	8.02E-05	2.91E-09	2.73E-06	1.55E-06	8.45E-05
2479	497238.92	3858670.93	1.77E-04	3.51E-09	2.72E-06	1.54E-06	1.81E-04	8.42E-05	1.55E-03	2.04E-04	5.66E-05	1.89E-03	8.01E-05	2.90E-09	2.72E-06	1.54E-06	8.44E-05
2480	497088.92	3858720.93	1.81E-04	3.65E-09	2.76E-06	1.57E-06	1.86E-04	8.62E-05	1.61E-03	2.07E-04	5.74E-05	1.96E-03	8.20E-05	3.02E-09	2.76E-06	1.57E-06	8.64E-05
2481	497138.92	3858720.93	1.77E-04	3.57E-09	2.71E-06	1.55E-06	1.81E-04	8.41E-05	1.57E-03	2.03E-04	5.68E-05	1.92E-03	8.00E-05	2.95E-09	2.71E-06	1.55E-06	8.43E-05
2482	497188.92	3858720.93	1.76E-04	3.55E-09	2.69E-06	1.54E-06	1.80E-04	8.37E-05	1.56E-03	2.02E-04	5.65E-05	1.91E-03	7.97E-05	2.93E-09	2.69E-06	1.54E-06	8.39E-05
2483	497238.92	3858720.93	1.79E-04	3.58E-09	2.72E-06	1.54E-06	1.83E-04	8.51E-05	1.58E-03	2.04E-04	5.65E-05	1.92E-03	8.09E-05	2.96E-09	2.72E-06	1.54E-06	8.52E-05
2484	497088.92	3858770.93	1.82E-04	3.71E-09	2.75E-06	1.56E-06	1.86E-04	8.64E-05	1.63E-03	2.06E-04	5.72E-05	1.98E-03	8.22E-05	3.06E-09	2.75E-06	1.56E-06	8.65E-05
2485	497138.92	3858770.93	1.80E-04	3.67E-09	2.72E-06	1.55E-06	1.84E-04	8.56E-05	1.62E-03	2.04E-04	5.68E-05	1.96E-03	8.15E-05	3.03E-09	2.72E-06	1.55E-06	8.58E-05
2486	497188.92	3858770.93	1.80E-04	3.64E-09	2.72E-06	1.54E-06	1.84E-04	8.54E-05	1.60E-03	2.04E-04	5.66E-05	1.95E-03	8.13E-05	3.01E-09	2.72E-06	1.54E-06	8.55E-05
2487	497238.92	3858770.93	1.80E-04	3.65E-09	2.71E-06	1.54E-06	1.85E-04	8.58E-05	1.61E-03	2.03E-04	5.64E-05	1.95E-03	8.16E-05	3.01E-09	2.71E-06	1.54E-06	8.59E-05
2488	497396.65	3858622.63	1.84E-04	3.54E-09	2.79E-06	1.55E-06	1.88E-04	8.76E-05	1.56E-03	2.09E-04	5.68E-05	1.91E-03	8.33E-05	2.93E-09	2.79E-06	1.55E-06	8.76E-05
2489	497496.65	3858622.63	1.88E-04	3.59E-09	2.81E-06	1.55E-06	1.93E-04	8.96E-05	1.58E-03	2.10E-04	5.69E-05	1.94E-03	8.52E-05	2.97E-09	2.81E-06	1.55E-06	8.96E-05
2490	497596.65	3858622.63	1.96E-04	3.70E-09	2.91E-06	1.57E-06	2.01E-04	9.34E-05	1.63E-03	2.18E-04	5.74E-05	2.00E-03	8.89E-05	3.06E-09	2.91E-06	1.57E-06	9.34E-05
2491	497696.65	3858622.63	1.98E-04	3.73E-09	2.90E-06	1.56E-06	2.03E-04	9.43E-05	1.64E-03	2.18E-04	5.72E-05	2.01E-03	8.97E-05	3.08E-09	2.90E-06	1.56E-06	9.42E-05
2492	497796.65	3858622.63	2.03E-04	3.79E-09	2.92E-06	1.57E-06	2.07E-04	9.64E-05	1.67E-03	2.19E-04	5.74E-05	2.04E-03	9.18E-05	3.13E-09	2.92E-06	1.57E-06	9.62E-05
2493	497896.65	3858622.63	2.07E-04	3.86E-09	2.95E-06	1.57E-06	2.12E-04	9.85E-05	1.70E-03	2.21E-04	5.76E-05	2.08E-03	9.38E-05	3.19E-09	2.95E-06	1.57E-06	9.83E-05
2494	497396.65	3858722.63	1.88E-04	3.70E-09	2.78E-06	1.55E-06	1.92E-04	8.94E-05	1.63E-03	2.09E-04	5.68E-05	1.98E-03	8.50E-05	3.05E-09	2.78E-06	1.55E-06	8.94E-05
2495	497496.65	3858722.63	1.92E-04	3.75E-09	2.83E-06	1.55E-06	1.97E-04	9.14E-05	1.65E-03	2.12E-04	5.68E-05	2.01E-03	8.70E-05	3.10E-09	2.83E-06	1.55E-06	9.13E-05
2496	497596.65	3858722.63	1.99E-04	3.86E-09	2.89E-06	1.56E-06	2.04E-04	9.47E-05	1.70E-03	2.17E-04	5.73E-05	2.07E-03	9.01E-05	3.19E-09	2.89E-06	1.56E-06	9.46E-05
2497	497696.65	3858722.63	2.03E-04	3.91E-09	2.91E-06	1.56E-06	2.08E-04	9.66E-05	1.72E-03	2.18E-04	5.73E-05	2.10E-03	9.19E-05	3.23E-09	2.91E-06	1.56E-06	9.64E-05

2498	497796.65	3858722.63	2.05E-04	3.94E-09	2.92E-06	1.56E-06	2.10E-04	9.75E-05	1.73E-03	2.19E-04	5.72E-05	2.11E-03	9.28E-05	3.25E-09	2.92E-06	1.56E-06	9.72E-05
2499	497896.65	3858722.63	2.08E-04	3.98E-09	2.94E-06	1.56E-06	2.13E-04	9.89E-05	1.75E-03	2.21E-04	5.72E-05	2.13E-03	9.41E-05	3.29E-09	2.94E-06	1.56E-06	9.86E-05
2500	497396.65	3858822.63	1.89E-04	3.82E-09	2.80E-06	1.54E-06	1.94E-04	9.00E-05	1.68E-03	2.10E-04	5.64E-05	2.04E-03	8.57E-05	3.15E-09	2.80E-06	1.54E-06	9.00E-05
2501	497496.65	3858822.63	1.93E-04	3.86E-09	2.82E-06	1.54E-06	1.97E-04	9.17E-05	1.70E-03	2.12E-04	5.65E-05	2.06E-03	8.73E-05	3.19E-09	2.82E-06	1.54E-06	9.17E-05
2502	497596.65	3858822.63	2.02E-04	4.00E-09	2.93E-06	1.56E-06	2.06E-04	9.58E-05	1.76E-03	2.19E-04	5.72E-05	2.13E-03	9.12E-05	3.30E-09	2.93E-06	1.56E-06	9.57E-05
2503	497696.65	3858822.63	2.04E-04	4.04E-09	2.92E-06	1.55E-06	2.08E-04	9.68E-05	1.78E-03	2.19E-04	5.70E-05	2.15E-03	9.21E-05	3.33E-09	2.92E-06	1.55E-06	9.66E-05
2504	497796.65	3858822.63	2.06E-04	4.06E-09	2.96E-06	1.55E-06	2.10E-04	9.79E-05	1.79E-03	2.22E-04	5.70E-05	2.16E-03	9.32E-05	3.35E-09	2.96E-06	1.55E-06	9.77E-05
2505	497896.65	3858822.63	2.10E-04	4.15E-09	2.99E-06	1.56E-06	2.15E-04	1.00E-04	1.83E-03	2.24E-04	5.71E-05	2.21E-03	9.51E-05	3.43E-09	2.99E-06	1.56E-06	9.97E-05
2506	497396.65	3858922.63	1.91E-04	3.95E-09	2.80E-06	1.53E-06	1.95E-04	9.08E-05	1.74E-03	2.10E-04	5.62E-05	2.10E-03	8.64E-05	3.26E-09	2.80E-06	1.53E-06	9.07E-05
2507	497496.65	3858922.63	1.98E-04	4.06E-09	2.88E-06	1.54E-06	2.02E-04	9.40E-05	1.79E-03	2.16E-04	5.65E-05	2.16E-03	8.94E-05	3.36E-09	2.88E-06	1.54E-06	9.38E-05
2508	497596.65	3858922.63	1.98E-04	4.04E-09	2.87E-06	1.53E-06	2.02E-04	9.40E-05	1.78E-03	2.15E-04	5.62E-05	2.15E-03	8.94E-05	3.34E-09	2.87E-06	1.53E-06	9.38E-05
2509	497696.65	3858922.63	2.05E-04	4.18E-09	2.99E-06	1.55E-06	2.10E-04	9.77E-05	1.84E-03	2.24E-04	5.69E-05	2.22E-03	9.29E-05	3.46E-09	2.99E-06	1.55E-06	9.75E-05
2510	497796.65	3858922.63	2.08E-04	4.25E-09	3.00E-06	1.55E-06	2.13E-04	9.91E-05	1.87E-03	2.25E-04	5.68E-05	2.25E-03	9.43E-05	3.51E-09	3.00E-06	1.55E-06	9.88E-05
2511	497896.65	3858922.63	2.14E-04	4.39E-09	3.11E-06	1.57E-06	2.19E-04	1.02E-04	1.93E-03	2.33E-04	5.74E-05	2.33E-03	9.69E-05	3.63E-09	3.11E-06	1.57E-06	1.02E-04
2512	497364.44	3858201.52	1.76E-04	3.12E-09	3.07E-06	1.58E-06	1.81E-04	8.36E-05	1.37E-03	2.30E-04	5.78E-05	1.74E-03	7.96E-05	2.57E-09	3.07E-06	1.58E-06	8.42E-05
2513	497414.44	3858201.52	1.79E-04	3.14E-09	3.08E-06	1.58E-06	1.83E-04	8.50E-05	1.38E-03	2.31E-04	5.79E-05	1.76E-03	8.09E-05	2.60E-09	3.08E-06	1.58E-06	8.55E-05
2514	497464.44	3858201.52	1.81E-04	3.16E-09	3.08E-06	1.58E-06	1.85E-04	8.58E-05	1.39E-03	2.31E-04	5.79E-05	1.77E-03	8.17E-05	2.61E-09	3.08E-06	1.58E-06	8.64E-05
2515	497514.44	3858201.52	1.81E-04	3.16E-09	3.07E-06	1.57E-06	1.85E-04	8.58E-05	1.39E-03	2.30E-04	5.77E-05	1.77E-03	8.17E-05	2.61E-09	3.07E-06	1.57E-06	8.63E-05
2516	497564.44	3858201.52	1.80E-04	3.15E-09	3.05E-06	1.57E-06	1.84E-04	8.55E-05	1.39E-03	2.29E-04	5.75E-05	1.76E-03	8.14E-05	2.60E-09	3.05E-06	1.57E-06	8.60E-05
2517	497614.44	3858201.52	1.80E-04	3.15E-09	3.04E-06	1.56E-06	1.85E-04	8.57E-05	1.39E-03	2.28E-04	5.73E-05	1.76E-03	8.15E-05	2.60E-09	3.04E-06	1.56E-06	8.62E-05
2518	497364.44	3858251.52	1.79E-04	3.19E-09	3.04E-06	1.58E-06	1.84E-04	8.51E-05	1.41E-03	2.28E-04	5.79E-05	1.78E-03	8.10E-05	2.64E-09	3.04E-06	1.58E-06	8.56E-05
2519	497414.44	3858251.52	1.82E-04	3.23E-09	3.05E-06	1.58E-06	1.86E-04	8.64E-05	1.42E-03	2.29E-04	5.81E-05	1.79E-03	8.22E-05	2.67E-09	3.05E-06	1.58E-06	8.69E-05
2520	497464.44	3858251.52	1.80E-04	3.20E-09	3.03E-06	1.57E-06	1.85E-04	8.57E-05	1.41E-03	2.27E-04	5.77E-05	1.78E-03	8.16E-05	2.64E-09	3.03E-06	1.57E-06	8.62E-05
2521	497514.44	3858251.52	1.78E-04	3.17E-09	3.01E-06	1.56E-06	1.83E-04	8.48E-05	1.40E-03	2.25E-04	5.74E-05	1.76E-03	8.07E-05	2.62E-09	3.01E-06	1.56E-06	8.53E-05
2522	497564.44	3858251.52	1.78E-04	3.16E-09	2.99E-06	1.56E-06	1.82E-04	8.46E-05	1.39E-03	2.24E-04	5.71E-05	1.76E-03	8.05E-05	2.61E-09	2.99E-06	1.56E-06	8.51E-05
2523	497614.44	3858251.52	1.77E-04	3.14E-09	2.98E-06	1.55E-06	1.82E-04	8.44E-05	1.38E-03	2.24E-04	5.70E-05	1.75E-03	8.03E-05	2.60E-09	2.98E-06	1.55E-06	8.48E-05
2524	497364.44	3858301.52	1.80E-04	3.23E-09	3.00E-06	1.58E-06	1.84E-04	8.54E-05	1.42E-03	2.25E-04	5.80E-05	1.79E-03	8.13E-05	2.67E-09	3.00E-06	1.58E-06	8.59E-05
2525	497414.44	3858301.52	1.81E-04	3.25E-09	3.00E-06	1.58E-06	1.86E-04	8.62E-05	1.43E-03	2.25E-04	5.79E-05	1.80E-03	8.20E-05	2.69E-09	3.00E-06	1.58E-06	8.66E-05
2526	497464.44	3858301.52	1.79E-04	3.22E-09	2.98E-06	1.57E-06	1.84E-04	8.53E-05	1.42E-03	2.23E-04	5.75E-05	1.78E-03	8.11E-05	2.66E-09	2.98E-06	1.57E-06	8.57E-05
2527	497514.44	3858301.52	1.78E-04	3.20E-09	2.96E-06	1.56E-06	1.83E-04	8.47E-05	1.41E-03	2.22E-04	5.72E-05	1.77E-03	8.06E-05	2.64E-09	2.96E-06	1.56E-06	8.51E-05
2528	497564.44	3858301.52	1.76E-04	3.16E-09	2.94E-06	1.55E-06	1.81E-04	8.37E-05	1.39E-03	2.20E-04	5.68E-05	1.75E-03	7.97E-05	2.61E-09	2.94E-06	1.55E-06	8.42E-05
2529	497614.44	3858301.52	1.76E-04	3.15E-09	2.92E-06	1.54E-06	1.80E-04	8.34E-05	1.39E-03	2.19E-04	5.66E-05	1.75E-03	7.94E-05	2.60E-09	2.92E-06	1.54E-06	8.39E-05
2530	497364.44	3858351.52	1.81E-04	3.29E-09	2.97E-06	1.58E-06	1.85E-04	8.58E-05	1.45E-03	2.22E-04	5.78E-05	1.81E-03	8.17E-05	2.71E-09	2.97E-06	1.58E-06	8.62E-05
2531	497414.44	3858351.52	1.79E-04	3.26E-09	2.95E-06	1.57E-06	1.84E-04	8.53E-05	1.44E-03	2.21E-04	5.76E-05	1.80E-03	8.12E-05	2.69E-09	2.95E-06	1.57E-06	8.57E-05
2532	497464.44	3858351.52	1.79E-04	3.25E-09	2.93E-06	1.56E-06	1.84E-04	8.51E-05	1.43E-03	2.20E-04	5.73E-05	1.79E-03	8.10E-05	2.68E-09	2.93E-06	1.56E-06	8.55E-05
2533	497514.44	3858351.52	1.78E-04	3.23E-09	2.92E-06	1.56E-06	1.82E-04	8.46E-05	1.42E-03	2.19E-04	5.71E-05	1.78E-03	8.05E-05	2.67E-09	2.92E-06	1.56E-06	8.50E-05
2534	497564.44	3858351.52	1.76E-04	3.19E-09	2.89E-06	1.54E-06	1.80E-04	8.35E-05	1.40E-03	2.17E-04	5.66E-05	1.76E-03	7.94E-05	2.63E-09	2.89E-06	1.54E-06	8.38E-05
2535	497614.44	3858351.52	1.75E-04	3.17E-09	2.88E-06	1.54E-06	1.79E-04	8.32E-05	1.40E-03	2.16E-04	5.64E-05	1.75E-03	7.92E-05	2.62E-09	2.88E-06	1.54E-06	8.36E-05
2536	497364.44	3858401.52	1.79E-04	3.30E-09	2.92E-06	1.57E-06	1.84E-04	8.52E-05	1.45E-03	2.19E-04	5.76E-05	1.81E-03	8.11E-05	2.72E-09	2.92E-06	1.57E-06	8.56E-05
2537	497414.44	3858401.52	1.78E-04	3.28E-09	2.90E-06	1.56E-06	1.83E-04	8.48E-05	1.45E-03	2.18E-04	5.73E-05	1.81E-03	8.07E-05	2.71E-09	2.90E-06	1.56E-06	8.52E-05
2538	497464.44	3858401.52	1.77E-04	3.26E-09	2.88E-06	1.55E-06	1.82E-04	8.42E-05	1.44E-03	2.16E-04	5.70E-05	1.79E-03	8.01E-05	2.69E-09	2.88E-06	1.55E-06	8.46E-05
2539	497514.44	3858401.52	1.76E-04	3.24E-09	2.87E-06	1.55E-06	1.81E-04	8.39E-05	1.43E-03	2.15E-04	5.67E-05	1.78E-03	7.98E-05	2.68E-09	2.87E-06	1.55E-06	8.43E-05
2540	497564.44	3858401.52	1.78E-04	3.26E-09	2.88E-06	1.55E-06	1.83E-04	8.49E-05	1.44E-03	2.16E-04	5.67E-05	1.79E-03	8.07E-05	2.70E-09	2.88E-06	1.55E-06	8.52E-05
2541	497614.44	3858401.52	1.81E-04	3.29E-09	2.89E-06	1.55E-06	1.86E-04	8.61E-05	1.45E-03	2.17E-04	5.68E-05	1.81E-03	8.19E-05	2.72E-09	2.89E-06	1.55E-06	8.64E-05
2542	493478.11	3860497.94	1.87E-04	1.11E-08	1.23E-06	1.52E-06	1.90E-04	8.91E-05	4.89E-03	9.22E-05	5.56E-05	5.13E-03	8.48E-05	9.18E-09	1.23E-06	1.52E-06	8.75E-05
2543	493528.11	3860497.94	1.88E-04	1.10E-08	1.24E-06	1.51E-06	1.91E-04	8.93E-05	4.85E-03	9.27E-05	5.53E-05	5.08E-03	8.50E-05	9.09E-09	1.24E-06	1.51E-06	8.78E-05
2544	493478.11	3860547.94	1.82E-04	1.09E-08	1.18E-06	1.47E-06	1.85E-04	8.66E-05	4.81E-03	8.84E-05	5.41E-05	5.04E-03	8.24E-05	9.03E-09	1.18E-06	1.47E-06	8.50E-05
2545	493528.11	3860547.94	1.83E-04	1.08E-08	1.18E-06	1.47E-06	1.85E-04	8.68E-05	4.77E-03	8.87E-05	5.38E-05	5.00E-03	8.26E-05	8.94E-09	1.18E-06	1.47E-06	8.53E-05
2546	493478.11	3860597.94	1.77E-04	1.07E-08	1.13E-06	1.43E-06	1.79E-04	8.41E-05	4.73E-03	8.50E-05	5.25E-05	4.95E-03	8.00E-05	8.87E-09	1.13E-06	1.43E-06	8.26E-05
2547	493528.11	3860597.94	1.77E-04	1.06E-08	1.14E-06	1.43E-06	1.80E-04	8.44E-05	4.68E-03	8.52E-05	5.23E-05	4.91E-03	8.03E-05	8.78E-09	1.14E-06	1.43E-06	8.28E-05
2548	493561.88	3860524.64	1.85E-04	1.08E-08	1.21E-06	1.48E-06	1.88E-04	8.82E-05	4.77E-03	9.09E-05	5.43E-05	5.00E-03	8.39E-05	8.95E-09	1.21E-06	1.48E-06	8.66E-05
2549	493591.88	3860524.64	1.86E-04	1.08E-08	1.22E-06	1.48E-06	1.89E-04	8.84E-05	4.74E-03	9.13E-05	5.41E-05	4.98E-03	8.41E-05	8.89E-09	1.22E-06	1.48E-06	8.68E-05
2550	493561.88	3860554.64	1.82E-04	1.07E-08	1.18E-06	1.46E-06	1.85E-04	8.67E-05	4.73E-03	8.85E-05	5.35E-05	4.95E-03	8.25E-05	8.86E-09	1.18E-06	1.46E-06	8.51E-05
2551	493591.88	3860554.64	1.83E-04	1.07E-08	1.19E-06	1.45E-06	1.86E-04	8.70E-05	4.69E-03	8.90E-05	5.33E-05	4.92E-03	8.27E-05	8.80E-09	1.19E-06	1.45E-06	8.54E-05
2552	492880.5	3860293.11	2.00E-04	1.37E-08	1.33E-06	1.86E-06	2.03E-04	9.51E-05	6.02E-03	1.00E-04	6.81E-05	6.28E-03	9.05E-05	1.13E-08	1.33E-06	1.86E-06	9.37E-05
2553	492930.5	3860293.11	2.01E-04	1.35E-08	1.35E-06	1.84E-06	2.05E-04	9.57E-05	5.94E-03	1.01E-04	6.75E-05	6.20E-03	9.11E-05	1.11E-08	1.35E-06	1.84E-06	9.43E-05
2554	492980.5	3860293.11	2.03E-04	1.33E-08	1.37E-06	1.82E-06	2.06E-04	9.64E-05	5.86E-03	1.03E-04	6.68E-05	6.12E-03	9.17E-05	1.10E-08	1.37E-06	1.82E-06	9.49E-05
2555	493030.5	3860293.11	2.05E-04	1.30E-08	1.38E-06	1.80E-06	2.08E-04	9.74E-05	5.74E-03	1.04E-04	6.60E-05	6.00E-03	9.27E-05	1.08E-08	1.38E-06	1.80E-06	9.59E-05
2556	493080.5	3860293.11	2.07E-04	1.27E-08	1.36E-06	1.78E-06	2.10E-04	9.84E-05	5.58E-03	1.02E-04	6.53E-05	5.85E-03	9.36E-05	1.05E-08	1.36E-06	1.78E-06	9.67E-05
2557	493130.5	3860293.11	2.07E-04	1.27E-08	1.39E-06	1.77E-06	2.10E-04	9.83E-05	5.58E-03	1.04E-04	6.49E-05	5.85E-03	9.35E-05	1.05E-08	1.39E-06	1.77E-06	9.67E-05
2558	493180.5	3860293.11	2.07E-04	1.26E-08	1.41E-06	1.76E-06	2.10E-04	9.83E-05	5.55E-03	1.06E-04	6.46E-05	5.82E-03	9.35E-05	1.04E-08	1.41E-06	1.76E-06	9.67E-05

2559	493230.5	3860293.11	2.07E-04	1.25E-08	1.43E-06	1.75E-06	2.10E-04	9.85E-05	5.49E-03	1.07E-04	6.42E-05	5.76E-03	9.37E-05	1.03E-08	1.43E-06	1.75E-06	9.69E-05
2560	493280.5	3860293.11	2.08E-04	1.23E-08	1.42E-06	1.74E-06	2.11E-04	9.90E-05	5.40E-03	1.07E-04	6.37E-05	5.67E-03	9.42E-05	1.01E-08	1.42E-06	1.74E-06	9.74E-05
2561	493330.5	3860293.11	2.09E-04	1.21E-08	1.42E-06	1.72E-06	2.12E-04	9.93E-05	5.33E-03	1.07E-04	6.32E-05	5.60E-03	9.45E-05	9.99E-09	1.42E-06	1.72E-06	9.77E-05
2562	493380.5	3860293.11	2.09E-04	1.19E-08	1.43E-06	1.71E-06	2.13E-04	9.95E-05	5.26E-03	1.07E-04	6.28E-05	5.53E-03	9.47E-05	9.87E-09	1.43E-06	1.71E-06	9.79E-05
2563	492880.5	3860343.11	1.94E-04	1.34E-08	1.28E-06	1.81E-06	1.97E-04	9.21E-05	5.92E-03	9.57E-05	6.62E-05	6.17E-03	8.76E-05	1.11E-08	1.28E-06	1.81E-06	9.07E-05
2564	492930.5	3860343.11	1.95E-04	1.33E-08	1.29E-06	1.79E-06	1.98E-04	9.27E-05	5.85E-03	9.65E-05	6.56E-05	6.10E-03	8.82E-05	1.10E-08	1.29E-06	1.79E-06	9.12E-05
2565	492980.5	3860343.11	1.97E-04	1.30E-08	1.32E-06	1.76E-06	2.00E-04	9.38E-05	5.74E-03	9.93E-05	6.46E-05	6.00E-03	8.93E-05	1.08E-08	1.32E-06	1.76E-06	9.24E-05
2566	493030.5	3860343.11	1.98E-04	1.29E-08	1.34E-06	1.75E-06	2.01E-04	9.43E-05	5.67E-03	1.00E-04	6.41E-05	5.93E-03	8.97E-05	1.06E-08	1.34E-06	1.75E-06	9.28E-05
2567	493080.5	3860343.11	2.00E-04	1.26E-08	1.33E-06	1.73E-06	2.03E-04	9.53E-05	5.55E-03	9.98E-05	6.34E-05	5.81E-03	9.07E-05	1.04E-08	1.33E-06	1.73E-06	9.37E-05
2568	493130.5	3860343.11	2.01E-04	1.25E-08	1.34E-06	1.72E-06	2.04E-04	9.55E-05	5.50E-03	1.01E-04	6.30E-05	5.76E-03	9.09E-05	1.03E-08	1.34E-06	1.72E-06	9.40E-05
2569	493180.5	3860343.11	2.01E-04	1.24E-08	1.36E-06	1.71E-06	2.04E-04	9.55E-05	5.48E-03	1.02E-04	6.28E-05	5.74E-03	9.08E-05	1.03E-08	1.36E-06	1.71E-06	9.39E-05
2570	493230.5	3860343.11	2.01E-04	1.23E-08	1.37E-06	1.70E-06	2.04E-04	9.58E-05	5.42E-03	1.03E-04	6.24E-05	5.68E-03	9.11E-05	1.02E-08	1.37E-06	1.70E-06	9.42E-05
2571	493280.5	3860343.11	2.03E-04	1.21E-08	1.38E-06	1.69E-06	2.06E-04	9.63E-05	5.33E-03	1.03E-04	6.19E-05	5.60E-03	9.17E-05	1.00E-08	1.38E-06	1.69E-06	9.47E-05
2572	493330.5	3860343.11	2.04E-04	1.19E-08	1.38E-06	1.67E-06	2.07E-04	9.68E-05	5.26E-03	1.03E-04	6.14E-05	5.52E-03	9.21E-05	9.86E-09	1.38E-06	1.67E-06	9.52E-05
2573	493380.5	3860343.11	2.04E-04	1.18E-08	1.38E-06	1.66E-06	2.07E-04	9.70E-05	5.20E-03	1.04E-04	6.10E-05	5.46E-03	9.23E-05	9.75E-09	1.38E-06	1.66E-06	9.54E-05
2574	492880.5	3860393.11	1.88E-04	1.32E-08	1.23E-06	1.75E-06	1.91E-04	8.92E-05	5.82E-03	9.19E-05	6.43E-05	6.06E-03	8.48E-05	1.09E-08	1.23E-06	1.75E-06	8.78E-05
2575	492930.5	3860393.11	1.89E-04	1.30E-08	1.24E-06	1.74E-06	1.92E-04	8.98E-05	5.74E-03	9.28E-05	6.37E-05	5.99E-03	8.55E-05	1.08E-08	1.24E-06	1.74E-06	8.85E-05
2576	492980.5	3860393.11	1.91E-04	1.29E-08	1.26E-06	1.72E-06	1.94E-04	9.07E-05	5.67E-03	9.43E-05	6.29E-05	5.91E-03	8.63E-05	1.06E-08	1.26E-06	1.72E-06	8.93E-05
2577	493030.5	3860393.11	1.92E-04	1.27E-08	1.27E-06	1.70E-06	1.95E-04	9.13E-05	5.59E-03	9.55E-05	6.23E-05	5.84E-03	8.69E-05	1.05E-08	1.27E-06	1.70E-06	8.99E-05
2578	493080.5	3860393.11	1.94E-04	1.25E-08	1.30E-06	1.68E-06	1.97E-04	9.24E-05	5.48E-03	9.74E-05	6.15E-05	5.74E-03	8.79E-05	1.03E-08	1.30E-06	1.68E-06	9.09E-05
2579	493130.5	3860393.11	1.95E-04	1.24E-08	1.31E-06	1.67E-06	1.98E-04	9.26E-05	5.44E-03	9.79E-05	6.13E-05	5.69E-03	8.81E-05	1.02E-08	1.31E-06	1.67E-06	9.11E-05
2580	493180.5	3860393.11	1.95E-04	1.23E-08	1.30E-06	1.67E-06	1.98E-04	9.26E-05	5.40E-03	9.72E-05	6.11E-05	5.65E-03	8.81E-05	1.01E-08	1.30E-06	1.67E-06	9.10E-05
2581	493230.5	3860393.11	1.96E-04	1.21E-08	1.31E-06	1.66E-06	1.99E-04	9.30E-05	5.34E-03	9.80E-05	6.07E-05	5.59E-03	8.85E-05	1.00E-08	1.31E-06	1.66E-06	9.14E-05
2582	493280.5	3860393.11	1.97E-04	1.19E-08	1.33E-06	1.64E-06	2.00E-04	9.37E-05	5.26E-03	9.98E-05	6.01E-05	5.51E-03	8.91E-05	9.87E-09	1.33E-06	1.64E-06	9.21E-05
2583	493330.5	3860393.11	1.98E-04	1.18E-08	1.34E-06	1.63E-06	2.01E-04	9.41E-05	5.19E-03	1.00E-04	5.96E-05	5.44E-03	8.96E-05	9.73E-09	1.34E-06	1.63E-06	9.26E-05
2584	493380.5	3860393.11	1.99E-04	1.16E-08	1.34E-06	1.62E-06	2.02E-04	9.45E-05	5.13E-03	1.01E-04	5.92E-05	5.38E-03	8.99E-05	9.62E-09	1.34E-06	1.62E-06	9.29E-05
2585	492880.5	3860443.11	1.82E-04	1.30E-08	1.18E-06	1.70E-06	1.85E-04	8.65E-05	5.71E-03	8.89E-05	6.24E-05	5.95E-03	8.23E-05	1.07E-08	1.18E-06	1.70E-06	8.52E-05
2586	492930.5	3860443.11	1.83E-04	1.28E-08	1.19E-06	1.69E-06	1.86E-04	8.69E-05	5.64E-03	8.92E-05	6.19E-05	5.88E-03	8.27E-05	1.06E-08	1.19E-06	1.69E-06	8.56E-05
2587	492980.5	3860443.11	1.84E-04	1.27E-08	1.20E-06	1.67E-06	1.87E-04	8.76E-05	5.57E-03	9.01E-05	6.13E-05	5.81E-03	8.34E-05	1.05E-08	1.20E-06	1.67E-06	8.63E-05
2588	493030.5	3860443.11	1.86E-04	1.25E-08	1.22E-06	1.65E-06	1.89E-04	8.84E-05	5.50E-03	9.12E-05	6.06E-05	5.74E-03	8.41E-05	1.03E-08	1.22E-06	1.65E-06	8.70E-05
2589	493080.5	3860443.11	1.87E-04	1.23E-08	1.23E-06	1.64E-06	1.90E-04	8.89E-05	5.44E-03	9.19E-05	6.01E-05	5.68E-03	8.46E-05	1.02E-08	1.23E-06	1.64E-06	8.75E-05
2590	493130.5	3860443.11	1.88E-04	1.22E-08	1.23E-06	1.63E-06	1.91E-04	8.94E-05	5.37E-03	9.26E-05	5.97E-05	5.61E-03	8.51E-05	1.01E-08	1.23E-06	1.63E-06	8.80E-05
2591	493180.5	3860443.11	1.88E-04	1.21E-08	1.23E-06	1.62E-06	1.91E-04	8.95E-05	5.32E-03	9.24E-05	5.96E-05	5.56E-03	8.52E-05	9.98E-09	1.23E-06	1.62E-06	8.81E-05
2592	493230.5	3860443.11	1.90E-04	1.19E-08	1.25E-06	1.61E-06	1.93E-04	9.03E-05	5.25E-03	9.40E-05	5.89E-05	5.49E-03	8.59E-05	9.85E-09	1.25E-06	1.61E-06	8.88E-05
2593	493280.5	3860443.11	1.91E-04	1.18E-08	1.27E-06	1.59E-06	1.94E-04	9.09E-05	5.19E-03	9.51E-05	5.84E-05	5.43E-03	8.65E-05	9.73E-09	1.27E-06	1.59E-06	8.93E-05
2594	493330.5	3860443.11	1.93E-04	1.16E-08	1.29E-06	1.58E-06	1.95E-04	9.15E-05	5.11E-03	9.67E-05	5.79E-05	5.36E-03	8.71E-05	9.59E-09	1.29E-06	1.58E-06	9.00E-05
2595	493380.5	3860443.11	1.93E-04	1.15E-08	1.30E-06	1.57E-06	1.96E-04	9.18E-05	5.06E-03	9.72E-05	5.76E-05	5.31E-03	8.73E-05	9.49E-09	1.30E-06	1.57E-06	9.02E-05
2596	493180.5	3860493.11	1.83E-04	1.19E-08	1.19E-06	1.58E-06	1.86E-04	8.69E-05	5.23E-03	8.90E-05	5.78E-05	5.46E-03	8.27E-05	9.80E-09	1.19E-06	1.58E-06	8.55E-05
2597	493230.5	3860493.11	1.84E-04	1.17E-08	1.20E-06	1.56E-06	1.87E-04	8.76E-05	5.17E-03	8.99E-05	5.73E-05	5.40E-03	8.33E-05	9.69E-09	1.20E-06	1.56E-06	8.61E-05
2598	493280.5	3860493.11	1.85E-04	1.16E-08	1.21E-06	1.55E-06	1.88E-04	8.82E-05	5.10E-03	9.10E-05	5.68E-05	5.34E-03	8.39E-05	9.57E-09	1.21E-06	1.55E-06	8.67E-05
2599	493330.5	3860493.11	1.87E-04	1.15E-08	1.23E-06	1.54E-06	1.89E-04	8.87E-05	5.04E-03	9.20E-05	5.64E-05	5.28E-03	8.44E-05	9.46E-09	1.23E-06	1.54E-06	8.72E-05
2600	493380.5	3860493.11	1.87E-04	1.13E-08	1.23E-06	1.53E-06	1.90E-04	8.90E-05	4.99E-03	9.23E-05	5.61E-05	5.23E-03	8.47E-05	9.36E-09	1.23E-06	1.53E-06	8.74E-05
2601	493330.5	3860543.11	1.81E-04	1.13E-08	1.18E-06	1.49E-06	1.84E-04	8.61E-05	4.96E-03	8.82E-05	5.48E-05	5.19E-03	8.19E-05	9.30E-09	1.18E-06	1.49E-06	8.46E-05
2602	493380.5	3860543.11	1.82E-04	1.12E-08	1.18E-06	1.49E-06	1.84E-04	8.64E-05	4.91E-03	8.84E-05	5.46E-05	5.14E-03	8.22E-05	9.21E-09	1.18E-06	1.49E-06	8.48E-05
2603	494135.94	3860876.85	1.59E-04	8.60E-09	9.88E-07	1.14E-06	1.61E-04	7.57E-05	3.79E-03	7.41E-05	4.18E-05	3.98E-03	7.20E-05	7.10E-09	9.88E-07	1.14E-06	7.41E-05
2604	494185.94	3860876.85	1.60E-04	8.53E-09	9.93E-07	1.14E-06	1.62E-04	7.59E-05	3.76E-03	7.45E-05	4.17E-05	3.95E-03	7.22E-05	7.05E-09	9.93E-07	1.14E-06	7.44E-05
2605	494135.94	3860926.85	1.55E-04	8.43E-09	9.56E-07	1.10E-06	1.57E-04	7.36E-05	3.71E-03	7.17E-05	4.03E-05	3.90E-03	7.00E-05	6.97E-09	9.56E-07	1.10E-06	7.21E-05
2606	494185.94	3860926.85	1.55E-04	8.37E-09	9.60E-07	1.10E-06	1.57E-04	7.39E-05	3.69E-03	7.20E-05	4.03E-05	3.87E-03	7.03E-05	6.91E-09	9.60E-07	1.10E-06	7.24E-05
2607	494135.94	3860976.85	1.51E-04	8.27E-09	9.29E-07	1.06E-06	1.53E-04	7.16E-05	3.64E-03	6.97E-05	3.89E-05	3.82E-03	6.81E-05	6.83E-09	9.29E-07	1.06E-06	7.01E-05
2608	494185.94	3860976.85	1.51E-04	8.21E-09	9.31E-07	1.06E-06	1.53E-04	7.19E-05	3.61E-03	6.98E-05	3.89E-05	3.79E-03	6.84E-05	6.78E-09	9.31E-07	1.06E-06	7.04E-05
2609	494135.94	3861026.85	1.46E-04	8.10E-09	9.04E-07	1.02E-06	1.48E-04	6.96E-05	3.57E-03	6.78E-05	3.76E-05	3.74E-03	6.62E-05	6.69E-09	9.04E-07	1.02E-06	6.81E-05
2610	494185.94	3861026.85	1.47E-04	8.04E-09	9.06E-07	1.02E-06	1.49E-04	6.99E-05	3.54E-03	6.79E-05	3.75E-05	3.72E-03	6.65E-05	6.64E-09	9.06E-07	1.02E-06	6.85E-05
2611	494135.94	3861076.85	1.42E-04	7.94E-09	8.83E-07	9.90E-07	1.44E-04	6.76E-05	3.49E-03	6.62E-05	3.63E-05	3.66E-03	6.44E-05	6.55E-09	8.83E-07	9.90E-07	6.62E-05
2612	494185.94	3861076.85	1.43E-04	7.88E-09	8.84E-07	9.89E-07	1.45E-04	6.80E-05	3.47E-03	6.63E-05	3.62E-05	3.64E-03	6.47E-05	6.51E-09	8.84E-07	9.89E-07	6.66E-05
2613	490360.04	3858710.04	4.91E-04	2.77E-08	6.04E-06	4.74E-06	5.02E-04	2.33E-04	1.22E-02	4.53E-04	1.74E-04	1.31E-02	2.22E-04	2.29E-08	6.04E-06	4.74E-06	2.33E-04
2614	490410.04	3858710.04	4.93E-04	2.70E-08	6.01E-06	4.69E-06	5.03E-04	2.34E-04	1.19E-02	4.51E-04	1.72E-04	1.28E-02	2.23E-04	2.23E-08	6.01E-06	4.69E-06	2.34E-04
2615	490460.04	3858710.04	4.94E-04	2.62E-08	5.99E-06	4.64E-06	5.05E-04	2.35E-04	1.15E-02	4.49E-04	1.70E-04	1.24E-02	2.24E-04	2.16E-08	5.99E-06	4.64E-06	2.34E-04
2616	490510.04	3858710.04	4.95E-04	2.56E-08	5.97E-06	4.59E-06	5.06E-04	2.35E-04	1.13E-02	4.47E-04	1.68E-04	1.21E-02	2.24E-04	2.11E-08	5.97E-06	4.59E-06	2.35E-04
2617	490560.04	3858710.04	4.95E-04	2.50E-08	5.95E-06	4.54E-06	5.06E-04	2.35E-04	1.10E-02	4.46E-04	1.67E-04	1.19E-02	2.24E-04	2.07E-08	5.95E-06	4.54E-06	2.35E-04
2618	490610.04	3858710.04	4.95E-04	2.44E-08	5.93E-06	4.50E-06	5.06E-04	2.35E-04	1.08E-02	4.45E-04	1.65E-04	1.16E-02	2.24E-04	2.02E-08	5.93E-06	4.50E-06	2.34E-04
2619	490660.04	3858710.04	4.94E-04	2.41E-08	5.92E-06	4.46E-06	5.05E-04	2.35E-04	1.06E-02	4.44E-04	1.63E-04	1.14E-02	2.24E-04	1.99E-08	5.92E-06	4.46E-06	2.34E-04

2620	490710.04	3858710.04	4.94E-04	2.34E-08	5.91E-06	4.42E-06	5.05E-04	2.35E-04	1.03E-02	4.43E-04	1.62E-04	1.12E-02	2.24E-04	1.94E-08	5.91E-06	4.42E-06	2.34E-04
2621	490760.04	3858710.04	4.93E-04	2.29E-08	5.90E-06	4.38E-06	5.04E-04	2.35E-04	1.01E-02	4.42E-04	1.61E-04	1.09E-02	2.23E-04	1.89E-08	5.90E-06	4.38E-06	2.34E-04
2622	490810.04	3858710.04	4.93E-04	2.23E-08	5.89E-06	4.34E-06	5.03E-04	2.34E-04	9.83E-03	4.42E-04	1.59E-04	1.07E-02	2.23E-04	1.84E-08	5.89E-06	4.34E-06	2.33E-04
2623	490860.04	3858710.04	4.91E-04	2.17E-08	5.89E-06	4.31E-06	5.02E-04	2.34E-04	9.55E-03	4.42E-04	1.58E-04	1.04E-02	2.22E-04	1.79E-08	5.89E-06	4.31E-06	2.33E-04
2624	490360.04	3858760.04	4.72E-04	2.85E-08	5.57E-06	4.87E-06	4.83E-04	2.25E-04	1.26E-02	4.18E-04	1.78E-04	1.34E-02	2.14E-04	2.35E-08	5.57E-06	4.87E-06	2.24E-04
2625	490410.04	3858760.04	4.75E-04	2.77E-08	5.55E-06	4.81E-06	4.85E-04	2.26E-04	1.22E-02	4.16E-04	1.76E-04	1.30E-02	2.15E-04	2.29E-08	5.55E-06	4.81E-06	2.25E-04
2626	490460.04	3858760.04	4.76E-04	2.69E-08	5.53E-06	4.76E-06	4.87E-04	2.27E-04	1.19E-02	4.15E-04	1.74E-04	1.27E-02	2.16E-04	2.22E-08	5.53E-06	4.76E-06	2.26E-04
2627	490510.04	3858760.04	4.78E-04	2.61E-08	5.51E-06	4.71E-06	4.88E-04	2.27E-04	1.15E-02	4.14E-04	1.73E-04	1.23E-02	2.16E-04	2.16E-08	5.51E-06	4.71E-06	2.26E-04
2628	490560.04	3858760.04	4.79E-04	2.55E-08	5.50E-06	4.66E-06	4.89E-04	2.28E-04	1.12E-02	4.13E-04	1.71E-04	1.20E-02	2.17E-04	2.10E-08	5.50E-06	4.66E-06	2.27E-04
2629	490610.04	3858760.04	4.79E-04	2.48E-08	5.49E-06	4.61E-06	4.89E-04	2.28E-04	1.09E-02	4.12E-04	1.69E-04	1.17E-02	2.17E-04	2.05E-08	5.49E-06	4.61E-06	2.27E-04
2630	490660.04	3858760.04	4.79E-04	2.42E-08	5.49E-06	4.57E-06	4.89E-04	2.28E-04	1.07E-02	4.12E-04	1.67E-04	1.15E-02	2.17E-04	2.00E-08	5.49E-06	4.57E-06	2.27E-04
2631	490710.04	3858760.04	4.79E-04	2.36E-08	5.49E-06	4.52E-06	4.89E-04	2.28E-04	1.04E-02	4.11E-04	1.66E-04	1.12E-02	2.17E-04	1.95E-08	5.49E-06	4.52E-06	2.27E-04
2632	490760.04	3858760.04	4.79E-04	2.29E-08	5.49E-06	4.48E-06	4.89E-04	2.28E-04	1.01E-02	4.12E-04	1.64E-04	1.09E-02	2.17E-04	1.89E-08	5.49E-06	4.48E-06	2.27E-04
2633	490810.04	3858760.04	4.78E-04	2.23E-08	5.49E-06	4.44E-06	4.88E-04	2.27E-04	9.83E-03	4.12E-04	1.63E-04	1.06E-02	2.16E-04	1.84E-08	5.49E-06	4.44E-06	2.26E-04
2634	490860.04	3858760.04	4.77E-04	2.18E-08	5.50E-06	4.40E-06	4.87E-04	2.27E-04	9.60E-03	4.12E-04	1.61E-04	1.04E-02	2.16E-04	1.80E-08	5.50E-06	4.40E-06	2.26E-04
2635	490360.04	3858810.04	4.55E-04	2.91E-08	5.13E-06	5.00E-06	4.65E-04	2.16E-04	1.28E-02	3.85E-04	1.83E-04	1.36E-02	2.06E-04	2.41E-08	5.13E-06	5.00E-06	2.16E-04
2636	490410.04	3858810.04	4.57E-04	2.83E-08	5.12E-06	4.94E-06	4.67E-04	2.17E-04	1.24E-02	3.84E-04	1.81E-04	1.32E-02	2.07E-04	2.33E-08	5.12E-06	4.94E-06	2.17E-04
2637	490460.04	3858810.04	4.59E-04	2.74E-08	5.11E-06	4.89E-06	4.69E-04	2.18E-04	1.21E-02	3.83E-04	1.79E-04	1.29E-02	2.08E-04	2.26E-08	5.11E-06	4.89E-06	2.18E-04
2638	490510.04	3858810.04	4.61E-04	2.67E-08	5.11E-06	4.83E-06	4.71E-04	2.19E-04	1.18E-02	3.83E-04	1.77E-04	1.26E-02	2.08E-04	2.21E-08	5.11E-06	4.83E-06	2.18E-04
2639	490560.04	3858810.04	4.62E-04	2.60E-08	5.10E-06	4.77E-06	4.72E-04	2.20E-04	1.15E-02	3.83E-04	1.75E-04	1.22E-02	2.09E-04	2.15E-08	5.10E-06	4.77E-06	2.19E-04
2640	490610.04	3858810.04	4.63E-04	2.52E-08	5.10E-06	4.72E-06	4.73E-04	2.20E-04	1.11E-02	3.82E-04	1.73E-04	1.19E-02	2.09E-04	2.08E-08	5.10E-06	4.72E-06	2.19E-04
2641	490660.04	3858810.04	4.64E-04	2.45E-08	5.10E-06	4.67E-06	4.73E-04	2.20E-04	1.08E-02	3.82E-04	1.71E-04	1.16E-02	2.10E-04	2.02E-08	5.10E-06	4.67E-06	2.20E-04
2642	490710.04	3858810.04	4.64E-04	2.38E-08	5.10E-06	4.63E-06	4.74E-04	2.21E-04	1.05E-02	3.83E-04	1.70E-04	1.13E-02	2.10E-04	1.97E-08	5.10E-06	4.63E-06	2.20E-04
2643	490760.04	3858810.04	4.64E-04	2.30E-08	5.12E-06	4.58E-06	4.74E-04	2.21E-04	1.01E-02	3.84E-04	1.68E-04	1.09E-02	2.10E-04	1.90E-08	5.12E-06	4.58E-06	2.20E-04
2644	490810.04	3858810.04	4.64E-04	2.25E-08	5.12E-06	4.53E-06	4.73E-04	2.20E-04	9.92E-03	3.84E-04	1.66E-04	1.07E-02	2.10E-04	1.86E-08	5.12E-06	4.53E-06	2.19E-04
2645	490860.04	3858810.04	4.63E-04	2.19E-08	5.14E-06	4.49E-06	4.73E-04	2.20E-04	9.63E-03	3.85E-04	1.65E-04	1.04E-02	2.09E-04	1.81E-08	5.14E-06	4.49E-06	2.19E-04
2646	490360.04	3858860.04	4.37E-04	2.95E-08	4.73E-06	5.14E-06	4.47E-04	2.08E-04	1.30E-02	3.54E-04	1.89E-04	1.38E-02	1.98E-04	2.44E-08	4.73E-06	5.14E-06	2.08E-04
2647	490410.04	3858860.04	4.39E-04	2.89E-08	4.73E-06	5.07E-06	4.49E-04	2.09E-04	1.27E-02	3.55E-04	1.86E-04	1.35E-02	1.99E-04	2.39E-08	4.73E-06	5.07E-06	2.09E-04
2648	490460.04	3858860.04	4.42E-04	2.79E-08	4.73E-06	5.01E-06	4.52E-04	2.10E-04	1.23E-02	3.55E-04	1.84E-04	1.30E-02	2.00E-04	2.31E-08	4.73E-06	5.01E-06	2.10E-04
2649	490510.04	3858860.04	4.43E-04	2.73E-08	4.73E-06	4.95E-06	4.53E-04	2.11E-04	1.20E-02	3.55E-04	1.81E-04	1.28E-02	2.01E-04	2.26E-08	4.73E-06	4.95E-06	2.10E-04
2650	490560.04	3858860.04	4.45E-04	2.65E-08	4.73E-06	4.89E-06	4.55E-04	2.12E-04	1.17E-02	3.55E-04	1.79E-04	1.24E-02	2.01E-04	2.19E-08	4.73E-06	4.89E-06	2.11E-04
2651	490610.04	3858860.04	4.47E-04	2.55E-08	4.74E-06	4.83E-06	4.57E-04	2.13E-04	1.12E-02	3.55E-04	1.77E-04	1.20E-02	2.02E-04	2.10E-08	4.74E-06	4.83E-06	2.12E-04
2652	490660.04	3858860.04	4.48E-04	2.48E-08	4.74E-06	4.78E-06	4.58E-04	2.13E-04	1.09E-02	3.56E-04	1.75E-04	1.16E-02	2.03E-04	2.04E-08	4.74E-06	4.78E-06	2.12E-04
2653	490710.04	3858860.04	4.48E-04	2.42E-08	4.75E-06	4.72E-06	4.58E-04	2.13E-04	1.07E-02	3.56E-04	1.73E-04	1.14E-02	2.03E-04	2.00E-08	4.75E-06	4.72E-06	2.12E-04
2654	490760.04	3858860.04	4.49E-04	2.33E-08	4.77E-06	4.67E-06	4.58E-04	2.13E-04	1.03E-02	3.57E-04	1.71E-04	1.10E-02	2.03E-04	1.93E-08	4.77E-06	4.67E-06	2.13E-04
2655	490810.04	3858860.04	4.49E-04	2.26E-08	4.79E-06	4.62E-06	4.59E-04	2.14E-04	9.93E-03	3.59E-04	1.69E-04	1.07E-02	2.03E-04	1.86E-08	4.79E-06	4.62E-06	2.13E-04
2656	490860.04	3858860.04	4.49E-04	2.18E-08	4.81E-06	4.58E-06	4.58E-04	2.13E-04	9.60E-03	3.61E-04	1.68E-04	1.03E-02	2.03E-04	1.80E-08	4.81E-06	4.58E-06	2.12E-04
2657	490360.04	3858910.04	4.19E-04	3.04E-08	4.36E-06	5.28E-06	4.29E-04	1.99E-04	1.34E-02	3.27E-04	1.94E-04	1.41E-02	1.90E-04	2.51E-08	4.36E-06	5.28E-06	1.99E-04
2658	490410.04	3858910.04	4.22E-04	2.95E-08	4.37E-06	5.21E-06	4.31E-04	2.00E-04	1.30E-02	3.28E-04	1.91E-04	1.37E-02	1.91E-04	2.44E-08	4.37E-06	5.21E-06	2.00E-04
2659	490460.04	3858910.04	4.24E-04	2.86E-08	4.38E-06	5.13E-06	4.34E-04	2.02E-04	1.26E-02	3.28E-04	1.88E-04	1.33E-02	1.92E-04	2.36E-08	4.38E-06	5.13E-06	2.01E-04
2660	490510.04	3858910.04	4.27E-04	2.77E-08	4.39E-06	5.06E-06	4.36E-04	2.03E-04	1.22E-02	3.29E-04	1.86E-04	1.29E-02	1.93E-04	2.29E-08	4.39E-06	5.06E-06	2.03E-04
2661	490560.04	3858910.04	4.29E-04	2.67E-08	4.39E-06	5.00E-06	4.38E-04	2.04E-04	1.18E-02	3.30E-04	1.83E-04	1.25E-02	1.94E-04	2.21E-08	4.39E-06	5.00E-06	2.04E-04
2662	490610.04	3858910.04	4.31E-04	2.58E-08	4.41E-06	4.94E-06	4.40E-04	2.05E-04	1.14E-02	3.30E-04	1.81E-04	1.21E-02	1.95E-04	2.13E-08	4.41E-06	4.94E-06	2.04E-04
2663	490660.04	3858910.04	4.32E-04	2.50E-08	4.42E-06	4.88E-06	4.42E-04	2.05E-04	1.10E-02	3.31E-04	1.79E-04	1.17E-02	1.96E-04	2.07E-08	4.42E-06	4.88E-06	2.05E-04
2664	490710.04	3858910.04	4.33E-04	2.42E-08	4.43E-06	4.82E-06	4.43E-04	2.06E-04	1.06E-02	3.33E-04	1.77E-04	1.14E-02	1.96E-04	2.00E-08	4.43E-06	4.82E-06	2.05E-04
2665	490760.04	3858910.04	4.34E-04	2.33E-08	4.46E-06	4.76E-06	4.43E-04	2.06E-04	1.02E-02	3.34E-04	1.75E-04	1.10E-02	1.96E-04	1.92E-08	4.46E-06	4.76E-06	2.06E-04
2666	490810.04	3858910.04	4.34E-04	2.26E-08	4.48E-06	4.71E-06	4.44E-04	2.06E-04	9.94E-03	3.36E-04	1.73E-04	1.07E-02	1.96E-04	1.87E-08	4.48E-06	4.71E-06	2.06E-04
2667	490860.04	3858910.04	4.34E-04	2.17E-08	4.51E-06	4.66E-06	4.43E-04	2.06E-04	9.56E-03	3.38E-04	1.71E-04	1.03E-02	1.96E-04	1.79E-08	4.51E-06	4.66E-06	2.06E-04
2668	490360.04	3858960.04	4.02E-04	3.09E-08	4.01E-06	5.42E-06	4.11E-04	1.91E-04	1.36E-02	3.01E-04	1.99E-04	1.43E-02	1.82E-04	2.55E-08	4.01E-06	5.42E-06	1.91E-04
2669	490410.04	3858960.04	4.05E-04	2.99E-08	4.03E-06	5.33E-06	4.14E-04	1.93E-04	1.32E-02	3.02E-04	1.96E-04	1.38E-02	1.83E-04	2.47E-08	4.03E-06	5.33E-06	1.93E-04
2670	490460.04	3858960.04	4.08E-04	2.88E-08	4.05E-06	5.25E-06	4.17E-04	1.94E-04	1.27E-02	3.03E-04	1.93E-04	1.34E-02	1.85E-04	2.38E-08	4.05E-06	5.25E-06	1.94E-04
2671	490510.04	3858960.04	4.11E-04	2.78E-08	4.06E-06	5.18E-06	4.20E-04	1.95E-04	1.23E-02	3.05E-04	1.90E-04	1.30E-02	1.86E-04	2.30E-08	4.06E-06	5.18E-06	1.95E-04
2672	490560.04	3858960.04	4.13E-04	2.69E-08	4.08E-06	5.11E-06	4.22E-04	1.96E-04	1.19E-02	3.06E-04	1.87E-04	1.26E-02	1.87E-04	2.22E-08	4.08E-06	5.11E-06	1.96E-04
2673	490610.04	3858960.04	4.15E-04	2.58E-08	4.10E-06	5.04E-06	4.24E-04	1.97E-04	1.14E-02	3.07E-04	1.85E-04	1.21E-02	1.88E-04	2.13E-08	4.10E-06	5.04E-06	1.97E-04
2674	490660.04	3858960.04	4.16E-04	2.52E-08	4.11E-06	4.97E-06	4.26E-04	1.98E-04	1.11E-02	3.08E-04	1.82E-04	1.18E-02	1.88E-04	2.09E-08	4.11E-06	4.97E-06	1.97E-04
2675	490710.04	3858960.04	4.18E-04	2.42E-08	4.14E-06	4.91E-06	4.27E-04	1.99E-04	1.07E-02	3.10E-04	1.80E-04	1.14E-02	1.89E-04	2.00E-08	4.14E-06	4.91E-06	1.98E-04
2676	490760.04	3858960.04	4.19E-04	2.34E-08	4.16E-06	4.85E-06	4.28E-04	1.99E-04	1.03E-02	3.12E-04	1.78E-04	1.10E-02	1.90E-04	1.93E-08	4.16E-06	4.85E-06	1.99E-04
2677	490810.04	3858960.04	4.20E-04	2.25E-08	4.19E-06	4.79E-06	4.29E-04	1.99E-04	9.92E-03	3.14E-04	1.76E-04	1.06E-02	1.90E-04	1.86E-08	4.19E-06	4.79E-06	1.99E-04
2678	490860.04	3858960.04	4.20E-04	2.16E-08	4.23E-06	4.74E-06	4.29E-04	2.00E-04	9.51E-03	3.17E-04	1.74E-04	1.02E-02	1.90E-04	1.78E-08	4.23E-06	4.74E-06	1.99E-04
2679	490360.04	3859010.04	3.86E-04	3.13E-08	3.69E-06	5.54E-06	3.95E-04	1.83E-04	1.38E-02	2.77E-04	2.03E-04	1.45E-02	1.74E-04	2.59E-08	3.69E-06	5.54E-06	1.84E-04
2680	490410.04	3859010.04	3.89E-04	3.02E-08	3.71E-06	5.45E-06	3.98E-04	1.85E-04	1.33E-02	2.79E-04	2.00E-04	1.39E-02	1.76E-04	2.49E-08	3.71E-06	5.45E-06	1.85E-04

2681	490460.04	3859010.04	3.92E-04	2.89E-08	3.74E-06	5.37E-06	4.01E-04	1.86E-04	1.27E-02	2.80E-04	1.97E-04	1.34E-02	1.77E-04	2.38E-08	3.74E-06	5.37E-06	1.86E-04
2682	490510.04	3859010.04	3.95E-04	2.77E-08	3.76E-06	5.29E-06	4.04E-04	1.88E-04	1.22E-02	2.82E-04	1.94E-04	1.29E-02	1.79E-04	2.29E-08	3.76E-06	5.29E-06	1.88E-04
2683	490560.04	3859010.04	3.97E-04	2.69E-08	3.78E-06	5.21E-06	4.06E-04	1.89E-04	1.19E-02	2.84E-04	1.91E-04	1.25E-02	1.80E-04	2.22E-08	3.78E-06	5.21E-06	1.89E-04
2684	490610.04	3859010.04	3.99E-04	2.58E-08	3.81E-06	5.14E-06	4.08E-04	1.90E-04	1.14E-02	2.86E-04	1.88E-04	1.20E-02	1.81E-04	2.13E-08	3.81E-06	5.14E-06	1.90E-04
2685	490660.04	3859010.04	4.01E-04	2.53E-08	3.83E-06	5.06E-06	4.10E-04	1.91E-04	1.11E-02	2.87E-04	1.85E-04	1.18E-02	1.81E-04	2.09E-08	3.83E-06	5.06E-06	1.90E-04
2686	490710.04	3859010.04	4.03E-04	2.42E-08	3.86E-06	4.99E-06	4.11E-04	1.91E-04	1.07E-02	2.90E-04	1.83E-04	1.13E-02	1.82E-04	2.00E-08	3.86E-06	4.99E-06	1.91E-04
2687	490760.04	3859010.04	4.04E-04	2.33E-08	3.89E-06	4.93E-06	4.13E-04	1.92E-04	1.02E-02	2.92E-04	1.81E-04	1.09E-02	1.83E-04	1.92E-08	3.89E-06	4.93E-06	1.91E-04
2688	490810.04	3859010.04	4.05E-04	2.23E-08	3.93E-06	4.87E-06	4.13E-04	1.92E-04	9.84E-03	2.95E-04	1.79E-04	1.05E-02	1.83E-04	1.85E-08	3.93E-06	4.87E-06	1.92E-04
2689	490860.04	3859010.04	4.05E-04	2.15E-08	3.96E-06	4.81E-06	4.14E-04	1.93E-04	9.49E-03	2.97E-04	1.77E-04	1.02E-02	1.83E-04	1.78E-08	3.96E-06	4.81E-06	1.92E-04
2690	490360.04	3859060.04	3.70E-04	3.16E-08	3.40E-06	5.66E-06	3.80E-04	1.76E-04	1.39E-02	2.55E-04	2.08E-04	1.45E-02	1.68E-04	2.61E-08	3.40E-06	5.66E-06	1.77E-04
2691	490410.04	3859060.04	3.74E-04	3.01E-08	3.42E-06	5.57E-06	3.83E-04	1.78E-04	1.32E-02	2.57E-04	2.04E-04	1.39E-02	1.69E-04	2.48E-08	3.42E-06	5.57E-06	1.78E-04
2692	490460.04	3859060.04	3.77E-04	2.89E-08	3.45E-06	5.48E-06	3.86E-04	1.79E-04	1.27E-02	2.59E-04	2.01E-04	1.33E-02	1.70E-04	2.38E-08	3.45E-06	5.48E-06	1.79E-04
2693	490510.04	3859060.04	3.79E-04	2.78E-08	3.48E-06	5.39E-06	3.88E-04	1.80E-04	1.22E-02	2.61E-04	1.98E-04	1.29E-02	1.72E-04	2.30E-08	3.48E-06	5.39E-06	1.80E-04
2694	490560.04	3859060.04	3.82E-04	2.66E-08	3.51E-06	5.31E-06	3.90E-04	1.81E-04	1.17E-02	2.63E-04	1.95E-04	1.24E-02	1.73E-04	2.20E-08	3.51E-06	5.31E-06	1.81E-04
2695	490610.04	3859060.04	3.84E-04	2.58E-08	3.54E-06	5.22E-06	3.92E-04	1.82E-04	1.14E-02	2.65E-04	1.92E-04	1.20E-02	1.74E-04	2.13E-08	3.54E-06	5.22E-06	1.82E-04
2696	490660.04	3859060.04	3.86E-04	2.51E-08	3.57E-06	5.15E-06	3.94E-04	1.83E-04	1.10E-02	2.67E-04	1.89E-04	1.17E-02	1.74E-04	2.07E-08	3.57E-06	5.15E-06	1.83E-04
2697	490710.04	3859060.04	3.87E-04	2.40E-08	3.60E-06	5.08E-06	3.96E-04	1.84E-04	1.06E-02	2.70E-04	1.86E-04	1.12E-02	1.75E-04	1.98E-08	3.60E-06	5.08E-06	1.84E-04
2698	490760.04	3859060.04	3.89E-04	2.30E-08	3.64E-06	5.01E-06	3.97E-04	1.85E-04	1.01E-02	2.73E-04	1.84E-04	1.08E-02	1.76E-04	1.90E-08	3.64E-06	5.01E-06	1.84E-04
2699	490810.04	3859060.04	3.90E-04	2.21E-08	3.68E-06	4.95E-06	3.98E-04	1.85E-04	9.73E-03	2.76E-04	1.82E-04	1.04E-02	1.76E-04	1.82E-08	3.68E-06	4.95E-06	1.85E-04
2700	490860.04	3859060.04	3.90E-04	2.13E-08	3.72E-06	4.89E-06	3.98E-04	1.85E-04	9.36E-03	2.79E-04	1.79E-04	1.00E-02	1.76E-04	1.76E-08	3.72E-06	4.89E-06	1.85E-04
2701	490360.04	3859110.04	3.56E-04	3.20E-08	3.14E-06	5.77E-06	3.65E-04	1.69E-04	1.41E-02	2.36E-04	2.12E-04	1.47E-02	1.61E-04	2.64E-08	3.14E-06	5.77E-06	1.70E-04
2702	490410.04	3859110.04	3.59E-04	3.04E-08	3.16E-06	5.67E-06	3.68E-04	1.71E-04	1.34E-02	2.37E-04	2.08E-04	1.40E-02	1.62E-04	2.51E-08	3.16E-06	5.67E-06	1.71E-04
2703	490460.04	3859110.04	3.61E-04	2.93E-08	3.19E-06	5.57E-06	3.70E-04	1.72E-04	1.29E-02	2.39E-04	2.04E-04	1.35E-02	1.63E-04	2.42E-08	3.19E-06	5.57E-06	1.72E-04
2704	490510.04	3859110.04	3.64E-04	2.77E-08	3.22E-06	5.48E-06	3.73E-04	1.73E-04	1.22E-02	2.41E-04	2.01E-04	1.28E-02	1.65E-04	2.28E-08	3.22E-06	5.48E-06	1.73E-04
2705	490560.04	3859110.04	3.66E-04	2.66E-08	3.25E-06	5.39E-06	3.75E-04	1.74E-04	1.17E-02	2.44E-04	1.98E-04	1.23E-02	1.66E-04	2.20E-08	3.25E-06	5.39E-06	1.74E-04
2706	490610.04	3859110.04	3.69E-04	2.55E-08	3.28E-06	5.31E-06	3.77E-04	1.75E-04	1.12E-02	2.46E-04	1.95E-04	1.18E-02	1.67E-04	2.10E-08	3.28E-06	5.31E-06	1.75E-04
2707	490660.04	3859110.04	3.70E-04	2.43E-08	3.32E-06	5.24E-06	3.79E-04	1.76E-04	1.07E-02	2.49E-04	1.92E-04	1.13E-02	1.68E-04	2.01E-08	3.32E-06	5.24E-06	1.76E-04
2708	490710.04	3859110.04	3.72E-04	2.36E-08	3.36E-06	5.16E-06	3.81E-04	1.77E-04	1.04E-02	2.52E-04	1.89E-04	1.10E-02	1.68E-04	1.95E-08	3.36E-06	5.16E-06	1.77E-04
2709	490760.04	3859110.04	3.74E-04	2.27E-08	3.40E-06	5.10E-06	3.82E-04	1.78E-04	9.99E-03	2.55E-04	1.87E-04	1.06E-02	1.69E-04	1.87E-08	3.40E-06	5.10E-06	1.78E-04
2710	490810.04	3859110.04	3.74E-04	2.17E-08	3.45E-06	5.03E-06	3.82E-04	1.78E-04	9.55E-03	2.58E-04	1.85E-04	1.02E-02	1.69E-04	1.79E-08	3.45E-06	5.03E-06	1.78E-04
2711	490860.04	3859110.04	3.74E-04	2.08E-08	3.49E-06	4.97E-06	3.83E-04	1.78E-04	9.14E-03	2.62E-04	1.82E-04	9.77E-03	1.69E-04	1.71E-08	3.49E-06	4.97E-06	1.78E-04
2712	490360.04	3859160.04	3.42E-04	3.24E-08	2.91E-06	5.86E-06	3.51E-04	1.63E-04	1.43E-02	2.19E-04	2.15E-04	1.49E-02	1.55E-04	2.68E-08	2.91E-06	5.86E-06	1.64E-04
2713	490410.04	3859160.04	3.45E-04	3.09E-08	2.93E-06	5.75E-06	3.53E-04	1.64E-04	1.36E-02	2.20E-04	2.11E-04	1.42E-02	1.56E-04	2.55E-08	2.93E-06	5.75E-06	1.65E-04
2714	490460.04	3859160.04	3.47E-04	2.95E-08	2.96E-06	5.65E-06	3.56E-04	1.65E-04	1.30E-02	2.22E-04	2.07E-04	1.36E-02	1.57E-04	2.44E-08	2.96E-06	5.65E-06	1.66E-04
2715	490510.04	3859160.04	3.50E-04	2.82E-08	2.98E-06	5.55E-06	3.58E-04	1.66E-04	1.24E-02	2.24E-04	2.04E-04	1.30E-02	1.58E-04	2.33E-08	2.98E-06	5.55E-06	1.67E-04
2716	490560.04	3859160.04	3.52E-04	2.67E-08	3.01E-06	5.47E-06	3.60E-04	1.67E-04	1.18E-02	2.26E-04	2.01E-04	1.24E-02	1.59E-04	2.21E-08	3.01E-06	5.47E-06	1.68E-04
2717	490610.04	3859160.04	3.54E-04	2.57E-08	3.04E-06	5.38E-06	3.63E-04	1.68E-04	1.13E-02	2.28E-04	1.97E-04	1.19E-02	1.60E-04	2.12E-08	3.04E-06	5.38E-06	1.69E-04
2718	490660.04	3859160.04	3.56E-04	2.40E-08	3.09E-06	5.33E-06	3.64E-04	1.69E-04	1.06E-02	2.32E-04	1.95E-04	1.12E-02	1.61E-04	1.98E-08	3.09E-06	5.33E-06	1.69E-04
2719	490710.04	3859160.04	3.58E-04	2.32E-08	3.13E-06	5.24E-06	3.66E-04	1.70E-04	1.02E-02	2.35E-04	1.92E-04	1.08E-02	1.62E-04	1.91E-08	3.13E-06	5.24E-06	1.70E-04
2720	490760.04	3859160.04	3.57E-04	2.20E-08	3.18E-06	5.18E-06	3.66E-04	1.70E-04	9.67E-03	2.38E-04	1.90E-04	1.03E-02	1.62E-04	1.81E-08	3.18E-06	5.18E-06	1.70E-04
2721	490810.04	3859160.04	3.59E-04	2.12E-08	3.22E-06	5.11E-06	3.67E-04	1.70E-04	9.35E-03	2.41E-04	1.87E-04	9.95E-03	1.62E-04	1.75E-08	3.22E-06	5.11E-06	1.71E-04
2722	490860.04	3859160.04	3.59E-04	2.05E-08	3.26E-06	5.04E-06	3.68E-04	1.71E-04	9.01E-03	2.45E-04	1.85E-04	9.61E-03	1.63E-04	1.69E-08	3.26E-06	5.04E-06	1.71E-04
2723	490360.04	3859210.04	3.29E-04	3.29E-08	2.72E-06	5.95E-06	3.38E-04	1.57E-04	1.45E-02	2.04E-04	2.18E-04	1.51E-02	1.49E-04	2.72E-08	2.72E-06	5.95E-06	1.58E-04
2724	490410.04	3859210.04	3.31E-04	3.18E-08	2.74E-06	5.82E-06	3.40E-04	1.57E-04	1.40E-02	2.05E-04	2.14E-04	1.46E-02	1.50E-04	2.62E-08	2.74E-06	5.82E-06	1.58E-04
2725	490460.04	3859210.04	3.34E-04	2.98E-08	2.75E-06	5.72E-06	3.43E-04	1.59E-04	1.31E-02	2.06E-04	2.10E-04	1.37E-02	1.51E-04	2.46E-08	2.75E-06	5.72E-06	1.60E-04
2726	490510.04	3859210.04	3.36E-04	2.84E-08	2.78E-06	5.62E-06	3.45E-04	1.60E-04	1.25E-02	2.08E-04	2.06E-04	1.31E-02	1.52E-04	2.34E-08	2.78E-06	5.62E-06	1.61E-04
2727	490560.04	3859210.04	3.38E-04	2.73E-08	2.80E-06	5.52E-06	3.47E-04	1.61E-04	1.20E-02	2.10E-04	2.03E-04	1.26E-02	1.53E-04	2.26E-08	2.80E-06	5.52E-06	1.61E-04
2728	490610.04	3859210.04	3.40E-04	2.60E-08	2.83E-06	5.44E-06	3.49E-04	1.62E-04	1.15E-02	2.12E-04	1.99E-04	1.20E-02	1.54E-04	2.15E-08	2.83E-06	5.44E-06	1.62E-04
2729	490660.04	3859210.04	3.42E-04	2.44E-08	2.87E-06	5.37E-06	3.50E-04	1.63E-04	1.07E-02	2.15E-04	1.97E-04	1.13E-02	1.55E-04	2.01E-08	2.87E-06	5.37E-06	1.63E-04
2730	490710.04	3859210.04	3.44E-04	2.34E-08	2.90E-06	5.29E-06	3.52E-04	1.63E-04	1.03E-02	2.18E-04	1.94E-04	1.09E-02	1.55E-04	1.93E-08	2.90E-06	5.29E-06	1.64E-04
2731	490760.04	3859210.04	3.44E-04	2.21E-08	2.95E-06	5.24E-06	3.52E-04	1.63E-04	9.72E-03	2.21E-04	1.92E-04	1.03E-02	1.55E-04	1.82E-08	2.95E-06	5.24E-06	1.64E-04
2732	490810.04	3859210.04	3.45E-04	2.17E-08	2.98E-06	5.15E-06	3.53E-04	1.64E-04	9.54E-03	2.23E-04	1.89E-04	1.01E-02	1.56E-04	1.79E-08	2.98E-06	5.15E-06	1.64E-04
2733	490860.04	3859210.04	3.47E-04	2.12E-08	3.01E-06	5.06E-06	3.55E-04	1.65E-04	9.35E-03	2.26E-04	1.86E-04	9.93E-03	1.57E-04	1.75E-08	3.01E-06	5.06E-06	1.65E-04
2734	490360.04	3859260.04	3.18E-04	3.31E-08	2.54E-06	6.02E-06	3.27E-04	1.51E-04	1.46E-02	1.90E-04	2.21E-04	1.51E-02	1.44E-04	2.73E-08	2.54E-06	6.02E-06	1.52E-04
2735	490410.04	3859260.04	3.20E-04	3.18E-08	2.56E-06	5.89E-06	3.28E-04	1.52E-04	1.40E-02	1.92E-04	2.16E-04	1.46E-02	1.45E-04	2.62E-08	2.56E-06	5.89E-06	1.53E-04
2736	490460.04	3859260.04	3.21E-04	3.07E-08	2.58E-06	5.77E-06	3.30E-04	1.53E-04	1.35E-02	1.93E-04	2.12E-04	1.41E-02	1.45E-04	2.54E-08	2.58E-06	5.77E-06	1.54E-04
2737	490510.04	3859260.04	3.23E-04	2.96E-08	2.59E-06	5.66E-06	3.31E-04	1.54E-04	1.31E-02	1.95E-04	2.08E-04	1.36E-02	1.46E-04	2.45E-08	2.59E-06	5.66E-06	1.54E-04
2738	490560.04	3859260.04	3.25E-04	2.83E-08	2.61E-06	5.56E-06	3.33E-04	1.55E-04	1.25E-02	1.96E-04	2.04E-04	1.30E-02	1.47E-04	2.34E-08	2.61E-06	5.56E-06	1.55E-04
2739	490610.04	3859260.04	3.27E-04	2.66E-08	2.64E-06	5.48E-06	3.35E-04	1.56E-04	1.17E-02	1.98E-04	2.01E-04	1.23E-02	1.48E-04	2.19E-08	2.64E-06	5.48E-06	1.56E-04
2740	490660.04	3859260.04	3.29E-04	2.60E-08	2.66E-06	5.38E-06	3.37E-04	1.56E-04	1.14E-02	2.00E-04	1.97E-04	1.20E-02	1.49E-04	2.14E-08	2.66E-06	5.38E-06	1.57E-04
2741	490710.04	3859260.04	3.31E-04	2.50E-08	2.68E-06	5.29E-06	3.39E-04	1.57E-04	1.10E-02	2.01E-04	1.94E-04	1.16E-02	1.50E-04	2.06E-08	2.68E-06	5.29E-06	1.58E-04

2742	490760.04	3859260.04	3.32E-04	2.35E-08	2.72E-06	5.23E-06	3.40E-04	1.58E-04	1.03E-02	2.04E-04	1.92E-04	1.09E-02	1.50E-04	1.94E-08	2.72E-06	5.23E-06	1.58E-04
2743	490810.04	3859260.04	3.34E-04	2.29E-08	2.75E-06	5.15E-06	3.42E-04	1.59E-04	1.01E-02	2.06E-04	1.89E-04	1.06E-02	1.51E-04	1.89E-08	2.75E-06	5.15E-06	1.59E-04
2744	490860.04	3859260.04	3.36E-04	2.23E-08	2.78E-06	5.06E-06	3.44E-04	1.60E-04	9.82E-03	2.08E-04	1.86E-04	1.04E-02	1.52E-04	1.84E-08	2.78E-06	5.06E-06	1.60E-04
2745	490360.04	3859310.04	3.07E-04	3.38E-08	2.39E-06	6.09E-06	3.15E-04	1.46E-04	1.49E-02	1.79E-04	2.23E-04	1.54E-02	1.39E-04	2.79E-08	2.39E-06	6.09E-06	1.47E-04
2746	490410.04	3859310.04	3.08E-04	3.24E-08	2.40E-06	5.95E-06	3.17E-04	1.47E-04	1.43E-02	1.80E-04	2.18E-04	1.48E-02	1.40E-04	2.68E-08	2.40E-06	5.95E-06	1.48E-04
2747	490460.04	3859310.04	3.10E-04	3.13E-08	2.42E-06	5.82E-06	3.18E-04	1.47E-04	1.38E-02	1.81E-04	2.13E-04	1.43E-02	1.40E-04	2.58E-08	2.42E-06	5.82E-06	1.48E-04
2748	490510.04	3859310.04	3.11E-04	3.03E-08	2.44E-06	5.70E-06	3.19E-04	1.48E-04	1.34E-02	1.83E-04	2.09E-04	1.39E-02	1.41E-04	2.50E-08	2.44E-06	5.70E-06	1.49E-04
2749	490560.04	3859310.04	3.13E-04	2.93E-08	2.45E-06	5.59E-06	3.21E-04	1.49E-04	1.29E-02	1.84E-04	2.05E-04	1.35E-02	1.41E-04	2.42E-08	2.45E-06	5.59E-06	1.50E-04
2750	490610.04	3859310.04	3.14E-04	2.85E-08	2.47E-06	5.48E-06	3.22E-04	1.49E-04	1.25E-02	1.85E-04	2.01E-04	1.31E-02	1.42E-04	2.35E-08	2.47E-06	5.48E-06	1.50E-04
2751	490660.04	3859310.04	3.16E-04	2.74E-08	2.49E-06	5.38E-06	3.24E-04	1.50E-04	1.21E-02	1.87E-04	1.97E-04	1.26E-02	1.43E-04	2.27E-08	2.49E-06	5.38E-06	1.51E-04
2752	490710.04	3859310.04	3.18E-04	2.58E-08	2.51E-06	5.30E-06	3.26E-04	1.51E-04	1.14E-02	1.88E-04	1.94E-04	1.19E-02	1.44E-04	2.13E-08	2.51E-06	5.30E-06	1.52E-04
2753	490760.04	3859310.04	3.20E-04	2.48E-08	2.53E-06	5.22E-06	3.28E-04	1.52E-04	1.09E-02	1.90E-04	1.91E-04	1.14E-02	1.45E-04	2.04E-08	2.53E-06	5.22E-06	1.53E-04
2754	490810.04	3859310.04	3.22E-04	2.41E-08	2.55E-06	5.13E-06	3.29E-04	1.53E-04	1.06E-02	1.92E-04	1.88E-04	1.11E-02	1.46E-04	1.99E-08	2.55E-06	5.13E-06	1.53E-04
2755	490860.04	3859310.04	3.23E-04	2.32E-08	2.58E-06	5.06E-06	3.31E-04	1.54E-04	1.02E-02	1.94E-04	1.85E-04	1.07E-02	1.46E-04	1.91E-08	2.58E-06	5.06E-06	1.54E-04
2756	490360.04	3859360.04	2.97E-04	3.44E-08	2.25E-06	6.14E-06	3.05E-04	1.41E-04	1.52E-02	1.69E-04	2.25E-04	1.57E-02	1.34E-04	2.84E-08	2.25E-06	6.14E-06	1.43E-04
2757	490410.04	3859360.04	2.98E-04	3.34E-08	2.27E-06	6.00E-06	3.06E-04	1.42E-04	1.47E-02	1.70E-04	2.20E-04	1.52E-02	1.35E-04	2.75E-08	2.27E-06	6.00E-06	1.43E-04
2758	490460.04	3859360.04	2.99E-04	3.24E-08	2.28E-06	5.86E-06	3.07E-04	1.42E-04	1.43E-02	1.71E-04	2.15E-04	1.48E-02	1.35E-04	2.67E-08	2.28E-06	5.86E-06	1.43E-04
2759	490510.04	3859360.04	3.00E-04	3.14E-08	2.30E-06	5.73E-06	3.08E-04	1.43E-04	1.38E-02	1.72E-04	2.10E-04	1.43E-02	1.36E-04	2.59E-08	2.30E-06	5.73E-06	1.44E-04
2760	490560.04	3859360.04	3.01E-04	3.02E-08	2.31E-06	5.61E-06	3.09E-04	1.43E-04	1.33E-02	1.73E-04	2.06E-04	1.38E-02	1.36E-04	2.49E-08	2.31E-06	5.61E-06	1.44E-04
2761	490610.04	3859360.04	3.03E-04	2.91E-08	2.33E-06	5.50E-06	3.11E-04	1.44E-04	1.28E-02	1.75E-04	2.02E-04	1.33E-02	1.37E-04	2.40E-08	2.33E-06	5.50E-06	1.45E-04
2762	490660.04	3859360.04	3.05E-04	2.81E-08	2.34E-06	5.39E-06	3.12E-04	1.45E-04	1.24E-02	1.76E-04	1.98E-04	1.29E-02	1.38E-04	2.32E-08	2.34E-06	5.39E-06	1.46E-04
2763	490710.04	3859360.04	3.06E-04	2.69E-08	2.36E-06	5.30E-06	3.14E-04	1.46E-04	1.18E-02	1.77E-04	1.94E-04	1.24E-02	1.39E-04	2.22E-08	2.36E-06	5.30E-06	1.46E-04
2764	490760.04	3859360.04	3.08E-04	2.57E-08	2.38E-06	5.22E-06	3.16E-04	1.46E-04	1.13E-02	1.78E-04	1.91E-04	1.18E-02	1.39E-04	2.12E-08	2.38E-06	5.22E-06	1.47E-04
2765	490810.04	3859360.04	3.10E-04	2.51E-08	2.39E-06	5.12E-06	3.17E-04	1.47E-04	1.11E-02	1.79E-04	1.88E-04	1.16E-02	1.40E-04	2.08E-08	2.39E-06	5.12E-06	1.48E-04
2766	490860.04	3859360.04	3.11E-04	2.43E-08	2.41E-06	5.03E-06	3.19E-04	1.48E-04	1.07E-02	1.81E-04	1.85E-04	1.12E-02	1.41E-04	2.01E-08	2.41E-06	5.03E-06	1.48E-04
2767	490360.04	3859410.04	2.87E-04	3.50E-08	2.13E-06	6.19E-06	2.95E-04	1.37E-04	1.54E-02	1.60E-04	2.27E-04	1.60E-02	1.30E-04	2.89E-08	2.13E-06	6.19E-06	1.38E-04
2768	490410.04	3859410.04	2.88E-04	3.40E-08	2.15E-06	6.04E-06	2.96E-04	1.37E-04	1.50E-02	1.61E-04	2.21E-04	1.55E-02	1.30E-04	2.81E-08	2.15E-06	6.04E-06	1.38E-04
2769	490460.04	3859410.04	2.89E-04	3.31E-08	2.16E-06	5.89E-06	2.97E-04	1.37E-04	1.46E-02	1.62E-04	2.16E-04	1.51E-02	1.31E-04	2.73E-08	2.16E-06	5.89E-06	1.39E-04
2770	490510.04	3859410.04	2.89E-04	3.21E-08	2.18E-06	5.75E-06	2.97E-04	1.38E-04	1.41E-02	1.63E-04	2.11E-04	1.46E-02	1.31E-04	2.65E-08	2.18E-06	5.75E-06	1.39E-04
2771	490560.04	3859410.04	2.91E-04	3.11E-08	2.19E-06	5.62E-06	2.98E-04	1.38E-04	1.37E-02	1.64E-04	2.06E-04	1.42E-02	1.31E-04	2.57E-08	2.19E-06	5.62E-06	1.39E-04
2772	490610.04	3859410.04	2.92E-04	3.02E-08	2.20E-06	5.50E-06	3.00E-04	1.39E-04	1.33E-02	1.65E-04	2.02E-04	1.38E-02	1.32E-04	2.49E-08	2.20E-06	5.50E-06	1.40E-04
2773	490660.04	3859410.04	2.93E-04	2.89E-08	2.22E-06	5.39E-06	3.01E-04	1.40E-04	1.27E-02	1.66E-04	1.98E-04	1.32E-02	1.33E-04	2.39E-08	2.22E-06	5.39E-06	1.40E-04
2774	490710.04	3859410.04	2.95E-04	2.78E-08	2.23E-06	5.28E-06	3.03E-04	1.40E-04	1.23E-02	1.67E-04	1.94E-04	1.28E-02	1.33E-04	2.30E-08	2.23E-06	5.28E-06	1.41E-04
2775	490760.04	3859410.04	2.97E-04	2.65E-08	2.24E-06	5.20E-06	3.04E-04	1.41E-04	1.17E-02	1.68E-04	1.91E-04	1.22E-02	1.34E-04	2.19E-08	2.24E-06	5.20E-06	1.42E-04
2776	490810.04	3859410.04	2.98E-04	2.59E-08	2.26E-06	5.10E-06	3.06E-04	1.42E-04	1.14E-02	1.69E-04	1.87E-04	1.19E-02	1.35E-04	2.14E-08	2.26E-06	5.10E-06	1.42E-04
2777	490860.04	3859410.04	3.00E-04	2.55E-08	2.27E-06	5.00E-06	3.07E-04	1.42E-04	1.12E-02	1.70E-04	1.83E-04	1.17E-02	1.36E-04	2.11E-08	2.27E-06	5.00E-06	1.43E-04
2778	490360.04	3859460.04	2.78E-04	3.54E-08	2.02E-06	6.23E-06	2.87E-04	1.32E-04	1.56E-02	1.51E-04	2.28E-04	1.61E-02	1.26E-04	2.93E-08	2.02E-06	6.23E-06	1.34E-04
2779	490410.04	3859460.04	2.79E-04	3.44E-08	2.04E-06	6.06E-06	2.87E-04	1.33E-04	1.52E-02	1.53E-04	2.22E-04	1.57E-02	1.26E-04	2.84E-08	2.04E-06	6.06E-06	1.34E-04
2780	490460.04	3859460.04	2.80E-04	3.35E-08	2.05E-06	5.91E-06	2.87E-04	1.33E-04	1.47E-02	1.54E-04	2.17E-04	1.52E-02	1.26E-04	2.77E-08	2.05E-06	5.91E-06	1.34E-04
2781	490510.04	3859460.04	2.80E-04	3.25E-08	2.07E-06	5.76E-06	2.88E-04	1.33E-04	1.43E-02	1.55E-04	2.11E-04	1.48E-02	1.27E-04	2.69E-08	2.07E-06	5.76E-06	1.35E-04
2782	490560.04	3859460.04	2.81E-04	3.17E-08	2.08E-06	5.62E-06	2.89E-04	1.34E-04	1.39E-02	1.56E-04	2.06E-04	1.44E-02	1.27E-04	2.61E-08	2.08E-06	5.62E-06	1.35E-04
2783	490610.04	3859460.04	2.82E-04	3.07E-08	2.09E-06	5.49E-06	2.90E-04	1.34E-04	1.35E-02	1.57E-04	2.01E-04	1.40E-02	1.28E-04	2.53E-08	2.09E-06	5.49E-06	1.35E-04
2784	490660.04	3859460.04	2.83E-04	2.96E-08	2.10E-06	5.37E-06	2.91E-04	1.35E-04	1.31E-02	1.58E-04	1.97E-04	1.35E-02	1.28E-04	2.45E-08	2.10E-06	5.37E-06	1.36E-04
2785	490710.04	3859460.04	2.84E-04	2.88E-08	2.12E-06	5.26E-06	2.92E-04	1.35E-04	1.27E-02	1.59E-04	1.93E-04	1.32E-02	1.29E-04	2.38E-08	2.12E-06	5.26E-06	1.36E-04
2786	490760.04	3859460.04	2.86E-04	2.78E-08	2.13E-06	5.15E-06	2.93E-04	1.36E-04	1.23E-02	1.59E-04	1.89E-04	1.27E-02	1.29E-04	2.30E-08	2.13E-06	5.15E-06	1.37E-04
2787	490810.04	3859460.04	2.87E-04	2.69E-08	2.14E-06	5.06E-06	2.95E-04	1.37E-04	1.18E-02	1.60E-04	1.85E-04	1.23E-02	1.30E-04	2.22E-08	2.14E-06	5.06E-06	1.37E-04
2788	490860.04	3859460.04	2.89E-04	2.63E-08	2.15E-06	4.95E-06	2.96E-04	1.37E-04	1.16E-02	1.61E-04	1.82E-04	1.21E-02	1.31E-04	2.18E-08	2.15E-06	4.95E-06	1.38E-04
2789	490360.04	3859510.04	2.71E-04	3.57E-08	1.89E-06	6.24E-06	2.79E-04	1.29E-04	1.57E-02	1.42E-04	2.29E-04	1.62E-02	1.22E-04	2.95E-08	1.89E-06	6.24E-06	1.31E-04
2790	490410.04	3859510.04	2.71E-04	3.48E-08	1.92E-06	6.06E-06	2.79E-04	1.29E-04	1.53E-02	1.44E-04	2.22E-04	1.58E-02	1.22E-04	2.87E-08	1.92E-06	6.06E-06	1.31E-04
2791	490460.04	3859510.04	2.71E-04	3.38E-08	1.95E-06	5.90E-06	2.79E-04	1.29E-04	1.49E-02	1.46E-04	2.16E-04	1.54E-02	1.23E-04	2.80E-08	1.95E-06	5.90E-06	1.31E-04
2792	490510.04	3859510.04	2.72E-04	3.30E-08	1.97E-06	5.75E-06	2.79E-04	1.29E-04	1.45E-02	1.47E-04	2.11E-04	1.50E-02	1.23E-04	2.72E-08	1.97E-06	5.75E-06	1.31E-04
2793	490560.04	3859510.04	2.72E-04	3.21E-08	1.98E-06	5.60E-06	2.80E-04	1.29E-04	1.41E-02	1.48E-04	2.05E-04	1.46E-02	1.23E-04	2.65E-08	1.98E-06	5.60E-06	1.31E-04
2794	490610.04	3859510.04	2.73E-04	3.11E-08	1.99E-06	5.47E-06	2.81E-04	1.30E-04	1.37E-02	1.49E-04	2.00E-04	1.42E-02	1.24E-04	2.57E-08	1.99E-06	5.47E-06	1.31E-04
2795	490660.04	3859510.04	2.74E-04	3.02E-08	2.00E-06	5.34E-06	2.81E-04	1.30E-04	1.33E-02	1.50E-04	1.96E-04	1.38E-02	1.24E-04	2.50E-08	2.00E-06	5.34E-06	1.31E-04
2796	490710.04	3859510.04	2.75E-04	2.93E-08	2.01E-06	5.22E-06	2.82E-04	1.31E-04	1.29E-02	1.51E-04	1.91E-04	1.34E-02	1.24E-04	2.42E-08	2.01E-06	5.22E-06	1.32E-04
2797	490760.04	3859510.04	2.76E-04	2.84E-08	2.02E-06	5.11E-06	2.83E-04	1.31E-04	1.25E-02	1.52E-04	1.87E-04	1.30E-02	1.25E-04	2.35E-08	2.02E-06	5.11E-06	1.32E-04
2798	490810.04	3859510.04	2.77E-04	2.77E-08	2.03E-06	5.00E-06	2.84E-04	1.32E-04	1.22E-02	1.53E-04	1.83E-04	1.27E-02	1.25E-04	2.29E-08	2.03E-06	5.00E-06	1.32E-04
2799	490860.04	3859510.04	2.79E-04	2.69E-08	2.04E-06	4.90E-06	2.85E-04	1.32E-04	1.19E-02	1.53E-04	1.80E-04	1.23E-02	1.26E-04	2.22E-08	2.04E-06	4.90E-06	1.33E-04
2800	490360.04	3859560.04	2.64E-04	3.58E-08	1.78E-06	6.22E-06	2.72E-04	1.25E-04	1.58E-02	1.33E-04	2.28E-04	1.63E-02	1.19E-04	2.96E-08	1.78E-06	6.22E-06	1.27E-04
2801	490410.04	3859560.04	2.63E-04	3.50E-08	1.81E-06	6.04E-06	2.71E-04	1.25E-04	1.54E-02	1.35E-04	2.21E-04	1.59E-02	1.19E-04	2.89E-08	1.81E-06	6.04E-06	1.27E-04
2802	490460.04	3859560.04	2.63E-04	3.41E-08	1.84E-06	5.87E-06	2.71E-04	1.25E-04	1.50E-02	1.38E-04	2.15E-04	1.55E-02	1.19E-04	2.82E-08	1.84E-06	5.87E-06	1.27E-04

2803	490510.04	3859560.04	2.64E-04	3.32E-08	1.87E-06	5.71E-06	2.71E-04	1.25E-04	1.46E-02	1.40E-04	2.09E-04	1.51E-02	1.19E-04	2.74E-08	1.87E-06	5.71E-06	1.27E-04
2804	490560.04	3859560.04	2.64E-04	3.24E-08	1.89E-06	5.56E-06	2.71E-04	1.26E-04	1.43E-02	1.42E-04	2.04E-04	1.47E-02	1.19E-04	2.68E-08	1.89E-06	5.56E-06	1.27E-04
2805	490610.04	3859560.04	2.65E-04	3.15E-08	1.90E-06	5.42E-06	2.72E-04	1.26E-04	1.39E-02	1.42E-04	1.99E-04	1.44E-02	1.20E-04	2.61E-08	1.90E-06	5.42E-06	1.27E-04
2806	490660.04	3859560.04	2.65E-04	3.07E-08	1.91E-06	5.29E-06	2.73E-04	1.26E-04	1.35E-02	1.43E-04	1.94E-04	1.40E-02	1.20E-04	2.54E-08	1.91E-06	5.29E-06	1.27E-04
2807	490710.04	3859560.04	2.66E-04	2.98E-08	1.92E-06	5.16E-06	2.73E-04	1.27E-04	1.31E-02	1.44E-04	1.89E-04	1.36E-02	1.20E-04	2.46E-08	1.92E-06	5.16E-06	1.28E-04
2808	490760.04	3859560.04	2.67E-04	2.89E-08	1.93E-06	5.05E-06	2.74E-04	1.27E-04	1.27E-02	1.45E-04	1.85E-04	1.32E-02	1.21E-04	2.38E-08	1.93E-06	5.05E-06	1.28E-04
2809	490810.04	3859560.04	2.68E-04	2.80E-08	1.94E-06	4.94E-06	2.75E-04	1.28E-04	1.23E-02	1.45E-04	1.81E-04	1.28E-02	1.21E-04	2.32E-08	1.94E-06	4.94E-06	1.28E-04
2810	490860.04	3859560.04	2.69E-04	2.72E-08	1.95E-06	4.84E-06	2.76E-04	1.28E-04	1.20E-02	1.46E-04	1.77E-04	1.24E-02	1.22E-04	2.25E-08	1.95E-06	4.84E-06	1.29E-04
2811	490187.25	3859422.08	2.84E-04	3.88E-08	2.00E-06	6.84E-06	2.93E-04	1.35E-04	1.71E-02	1.50E-04	2.51E-04	1.76E-02	1.29E-04	3.20E-08	2.00E-06	6.84E-06	1.38E-04
2812	490237.25	3859422.08	2.84E-04	3.77E-08	2.04E-06	6.64E-06	2.93E-04	1.35E-04	1.66E-02	1.53E-04	2.43E-04	1.71E-02	1.29E-04	3.11E-08	2.04E-06	6.64E-06	1.37E-04
2813	490287.25	3859422.08	2.84E-04	3.67E-08	2.07E-06	6.45E-06	2.93E-04	1.35E-04	1.61E-02	1.55E-04	2.37E-04	1.67E-02	1.29E-04	3.03E-08	2.07E-06	6.45E-06	1.37E-04
2814	490337.25	3859422.08	2.85E-04	3.56E-08	2.09E-06	6.28E-06	2.93E-04	1.35E-04	1.57E-02	1.57E-04	2.30E-04	1.62E-02	1.29E-04	2.94E-08	2.09E-06	6.28E-06	1.37E-04
2815	490187.25	3859472.08	2.77E-04	3.89E-08	1.87E-06	6.90E-06	2.86E-04	1.32E-04	1.71E-02	1.40E-04	2.53E-04	1.77E-02	1.25E-04	3.21E-08	1.87E-06	6.90E-06	1.34E-04
2816	490237.25	3859472.08	2.77E-04	3.79E-08	1.90E-06	6.69E-06	2.85E-04	1.32E-04	1.67E-02	1.43E-04	2.45E-04	1.72E-02	1.25E-04	3.13E-08	1.90E-06	6.69E-06	1.34E-04
2817	490287.25	3859472.08	2.77E-04	3.68E-08	1.94E-06	6.49E-06	2.85E-04	1.32E-04	1.62E-02	1.46E-04	2.38E-04	1.67E-02	1.25E-04	3.04E-08	1.94E-06	6.49E-06	1.34E-04
2818	490337.25	3859472.08	2.77E-04	3.59E-08	1.97E-06	6.31E-06	2.85E-04	1.31E-04	1.58E-02	1.48E-04	2.31E-04	1.63E-02	1.25E-04	2.97E-08	1.97E-06	6.31E-06	1.33E-04
2819	490297.07	3859500.42	2.72E-04	3.68E-08	1.88E-06	6.47E-06	2.81E-04	1.30E-04	1.62E-02	1.41E-04	2.37E-04	1.67E-02	1.23E-04	3.04E-08	1.88E-06	6.47E-06	1.32E-04
2820	490327.07	3859500.42	2.72E-04	3.63E-08	1.89E-06	6.36E-06	2.80E-04	1.29E-04	1.60E-02	1.42E-04	2.33E-04	1.65E-02	1.23E-04	3.00E-08	1.89E-06	6.36E-06	1.31E-04
2821	490297.07	3859530.42	2.68E-04	3.69E-08	1.80E-06	6.47E-06	2.76E-04	1.27E-04	1.63E-02	1.35E-04	2.37E-04	1.68E-02	1.21E-04	3.05E-08	1.80E-06	6.47E-06	1.30E-04
2822	490327.07	3859530.42	2.68E-04	3.64E-08	1.82E-06	6.35E-06	2.76E-04	1.27E-04	1.60E-02	1.37E-04	2.33E-04	1.65E-02	1.21E-04	3.00E-08	1.82E-06	6.35E-06	1.29E-04
2823	490319.73	3859055.34	3.69E-04	3.28E-08	3.41E-06	5.74E-06	3.78E-04	1.75E-04	1.44E-02	2.56E-04	2.10E-04	1.51E-02	1.67E-04	2.71E-08	3.41E-06	5.74E-06	1.76E-04
2824	490319.73	3859105.34	3.55E-04	3.31E-08	3.15E-06	5.85E-06	3.64E-04	1.69E-04	1.46E-02	2.36E-04	2.15E-04	1.52E-02	1.60E-04	2.74E-08	3.15E-06	5.85E-06	1.69E-04
2825	490069.73	3859155.34	3.34E-04	3.94E-08	2.80E-06	6.67E-06	3.43E-04	1.59E-04	1.74E-02	2.10E-04	2.45E-04	1.80E-02	1.51E-04	3.25E-08	2.80E-06	6.67E-06	1.60E-04
2826	490119.73	3859155.34	3.34E-04	3.83E-08	2.83E-06	6.51E-06	3.44E-04	1.59E-04	1.69E-02	2.13E-04	2.39E-04	1.75E-02	1.51E-04	3.16E-08	2.83E-06	6.51E-06	1.61E-04
2827	490269.73	3859155.34	3.38E-04	3.51E-08	2.91E-06	6.08E-06	3.47E-04	1.61E-04	1.54E-02	2.18E-04	2.23E-04	1.60E-02	1.53E-04	2.90E-08	2.91E-06	6.08E-06	1.62E-04
2828	490319.73	3859155.34	3.41E-04	3.36E-08	2.92E-06	5.95E-06	3.50E-04	1.62E-04	1.48E-02	2.19E-04	2.18E-04	1.54E-02	1.54E-04	2.78E-08	2.92E-06	5.95E-06	1.63E-04
2829	490069.73	3859205.34	3.22E-04	4.02E-08	2.61E-06	6.81E-06	3.32E-04	1.53E-04	1.77E-02	1.96E-04	2.50E-04	1.83E-02	1.46E-04	3.32E-08	2.61E-06	6.81E-06	1.55E-04
2830	490119.73	3859205.34	3.22E-04	3.92E-08	2.65E-06	6.65E-06	3.32E-04	1.53E-04	1.73E-02	1.98E-04	2.44E-04	1.79E-02	1.46E-04	3.24E-08	2.65E-06	6.65E-06	1.55E-04
2831	490169.73	3859205.34	3.23E-04	3.81E-08	2.67E-06	6.48E-06	3.32E-04	1.54E-04	1.68E-02	2.01E-04	2.38E-04	1.74E-02	1.46E-04	3.15E-08	2.67E-06	6.48E-06	1.55E-04
2832	490219.73	3859205.34	3.25E-04	3.67E-08	2.69E-06	6.33E-06	3.34E-04	1.54E-04	1.62E-02	2.02E-04	2.32E-04	1.68E-02	1.47E-04	3.03E-08	2.69E-06	6.33E-06	1.56E-04
2833	490269.73	3859205.34	3.27E-04	3.51E-08	2.70E-06	6.18E-06	3.36E-04	1.55E-04	1.55E-02	2.03E-04	2.27E-04	1.61E-02	1.48E-04	2.90E-08	2.70E-06	6.18E-06	1.57E-04
2834	490319.73	3859205.34	3.29E-04	3.39E-08	2.72E-06	6.04E-06	3.38E-04	1.56E-04	1.50E-02	2.04E-04	2.22E-04	1.55E-02	1.49E-04	2.80E-08	2.72E-06	6.04E-06	1.57E-04
2835	490069.73	3859255.34	3.13E-04	4.06E-08	2.43E-06	6.94E-06	3.22E-04	1.49E-04	1.79E-02	1.82E-04	2.54E-04	1.85E-02	1.42E-04	3.35E-08	2.43E-06	6.94E-06	1.51E-04
2836	490119.73	3859255.34	3.13E-04	3.96E-08	2.46E-06	6.76E-06	3.22E-04	1.49E-04	1.74E-02	1.85E-04	2.48E-04	1.80E-02	1.41E-04	3.27E-08	2.46E-06	6.76E-06	1.51E-04
2837	490169.73	3859255.34	3.13E-04	3.84E-08	2.49E-06	6.59E-06	3.22E-04	1.49E-04	1.69E-02	1.87E-04	2.42E-04	1.75E-02	1.42E-04	3.17E-08	2.49E-06	6.59E-06	1.51E-04
2838	490219.73	3859255.34	3.14E-04	3.71E-08	2.51E-06	6.43E-06	3.23E-04	1.49E-04	1.63E-02	1.88E-04	2.36E-04	1.69E-02	1.42E-04	3.06E-08	2.51E-06	6.43E-06	1.51E-04
2839	490269.73	3859255.34	3.16E-04	3.57E-08	2.53E-06	6.27E-06	3.25E-04	1.50E-04	1.57E-02	1.90E-04	2.30E-04	1.63E-02	1.43E-04	2.95E-08	2.53E-06	6.27E-06	1.52E-04
2840	490319.73	3859255.34	3.17E-04	3.45E-08	2.55E-06	6.12E-06	3.26E-04	1.51E-04	1.52E-02	1.91E-04	2.25E-04	1.57E-02	1.43E-04	2.85E-08	2.55E-06	6.12E-06	1.52E-04
2841	490069.73	3859305.34	3.04E-04	4.08E-08	2.26E-06	7.06E-06	3.14E-04	1.45E-04	1.80E-02	1.70E-04	2.59E-04	1.86E-02	1.38E-04	3.37E-08	2.26E-06	7.06E-06	1.47E-04
2842	490119.73	3859305.34	3.04E-04	3.98E-08	2.30E-06	6.88E-06	3.13E-04	1.44E-04	1.75E-02	1.72E-04	2.52E-04	1.81E-02	1.37E-04	3.29E-08	2.30E-06	6.88E-06	1.47E-04
2843	490169.73	3859305.34	3.04E-04	3.87E-08	2.33E-06	6.69E-06	3.13E-04	1.44E-04	1.71E-02	1.75E-04	2.45E-04	1.76E-02	1.37E-04	3.20E-08	2.33E-06	6.69E-06	1.46E-04
2844	490219.73	3859305.34	3.04E-04	3.75E-08	2.36E-06	6.52E-06	3.13E-04	1.45E-04	1.65E-02	1.77E-04	2.39E-04	1.71E-02	1.38E-04	3.10E-08	2.36E-06	6.52E-06	1.47E-04
2845	490269.73	3859305.34	3.05E-04	3.62E-08	2.37E-06	6.35E-06	3.14E-04	1.45E-04	1.60E-02	1.78E-04	2.33E-04	1.65E-02	1.38E-04	2.99E-08	2.37E-06	6.35E-06	1.47E-04
2846	490319.73	3859305.34	3.07E-04	3.49E-08	2.39E-06	6.20E-06	3.15E-04	1.46E-04	1.54E-02	1.79E-04	2.27E-04	1.59E-02	1.39E-04	2.88E-08	2.39E-06	6.20E-06	1.47E-04
2847	490069.73	3859355.34	2.96E-04	4.11E-08	2.11E-06	7.19E-06	3.05E-04	1.41E-04	1.81E-02	1.58E-04	2.63E-04	1.87E-02	1.34E-04	3.40E-08	2.11E-06	7.19E-06	1.43E-04
2848	490119.73	3859355.34	2.95E-04	4.01E-08	2.14E-06	6.99E-06	3.04E-04	1.40E-04	1.77E-02	1.60E-04	2.56E-04	1.82E-02	1.34E-04	3.31E-08	2.14E-06	6.99E-06	1.43E-04
2849	490169.73	3859355.34	2.95E-04	3.90E-08	2.17E-06	6.80E-06	3.04E-04	1.40E-04	1.72E-02	1.63E-04	2.49E-04	1.77E-02	1.33E-04	3.22E-08	2.17E-06	6.80E-06	1.42E-04
2850	490219.73	3859355.34	2.95E-04	3.78E-08	2.21E-06	6.61E-06	3.04E-04	1.40E-04	1.66E-02	1.66E-04	2.42E-04	1.72E-02	1.34E-04	3.12E-08	2.21E-06	6.61E-06	1.42E-04
2851	490269.73	3859355.34	2.96E-04	3.67E-08	2.24E-06	6.43E-06	3.04E-04	1.41E-04	1.61E-02	1.68E-04	2.36E-04	1.67E-02	1.34E-04	3.03E-08	2.24E-06	6.43E-06	1.42E-04
2852	490319.73	3859355.34	2.97E-04	3.54E-08	2.25E-06	6.27E-06	3.05E-04	1.41E-04	1.56E-02	1.69E-04	2.30E-04	1.61E-02	1.34E-04	2.93E-08	2.25E-06	6.27E-06	1.43E-04
2853	490069.73	3859405.34	2.89E-04	4.13E-08	1.96E-06	7.30E-06	2.98E-04	1.37E-04	1.82E-02	1.47E-04	2.68E-04	1.87E-02	1.31E-04	3.41E-08	1.96E-06	7.30E-06	1.40E-04
2854	490119.73	3859405.34	2.88E-04	4.03E-08	1.99E-06	7.09E-06	2.97E-04	1.37E-04	1.77E-02	1.50E-04	2.60E-04	1.83E-02	1.30E-04	3.32E-08	1.99E-06	7.09E-06	1.39E-04
2855	490169.73	3859405.34	2.87E-04	3.91E-08	2.03E-06	6.88E-06	2.96E-04	1.36E-04	1.72E-02	1.52E-04	2.52E-04	1.78E-02	1.30E-04	3.23E-08	2.03E-06	6.88E-06	1.39E-04
2856	490219.73	3859405.34	2.87E-04	3.81E-08	2.07E-06	6.69E-06	2.96E-04	1.36E-04	1.68E-02	1.55E-04	2.45E-04	1.73E-02	1.30E-04	3.14E-08	2.07E-06	6.69E-06	1.39E-04
2857	490269.73	3859405.34	2.87E-04	3.69E-08	2.10E-06	6.50E-06	2.96E-04	1.37E-04	1.63E-02	1.58E-04	2.38E-04	1.68E-02	1.30E-04	3.05E-08	2.10E-06	6.50E-06	1.39E-04
2858	490319.73	3859405.34	2.88E-04	3.58E-08	2.12E-06	6.32E-06	2.96E-04	1.37E-04	1.58E-02	1.59E-04	2.32E-04	1.63E-02	1.30E-04	2.96E-08	2.12E-06	6.32E-06	1.39E-04
2859	490161.89	3859541.83	2.69E-04	3.94E-08	1.71E-06	7.04E-06	2.78E-04	1.28E-04	1.74E-02	1.29E-04	2.58E-04	1.79E-02	1.22E-04	3.25E-08	1.71E-06	7.04E-06	1.30E-04
2860	490171.89	3859541.83	2.69E-04	3.92E-08	1.72E-06	6.99E-06	2.78E-04	1.28E-04	1.73E-02	1.29E-04	2.56E-04	1.78E-02	1.22E-04	3.24E-08	1.72E-06	6.99E-06	1.30E-04
2861	490161.89	3859551.83	2.68E-04	3.94E-08	1.70E-06	7.04E-06	2.77E-04	1.27E-04	1.73E-02	1.27E-04	2.58E-04	1.79E-02	1.21E-04	3.25E-08	1.70E-06	7.04E-06	1.30E-04
2862	490171.89	3859551.83	2.68E-04	3.92E-08	1.70E-06	6.99E-06	2.76E-04	1.27E-04	1.73E-02	1.28E-04	2.56E-04	1.78E-02	1.21E-04	3.24E-08	1.70E-06	6.99E-06	1.30E-04
2863	489799.72	3859348.21	3.06E-04	4.80E-08	1.95E-06	8.45E-06	3.16E-04	1.45E-04	2.11E-02	1.47E-04	3.10E-04	2.17E-02	1.38E-04	3.97E-08	1.95E-06	8.45E-06	1.49E-04

2864	489819.72	3859348.21	3.05E-04	4.74E-08	1.97E-06	8.34E-06	3.15E-04	1.45E-04	2.09E-02	1.47E-04	3.06E-04	2.15E-02	1.38E-04	3.92E-08	1.97E-06	8.34E-06	1.48E-04
2865	489799.72	3859368.21	3.03E-04	4.80E-08	1.91E-06	8.53E-06	3.14E-04	1.44E-04	2.12E-02	1.43E-04	3.13E-04	2.18E-02	1.37E-04	3.97E-08	1.91E-06	8.53E-06	1.48E-04
2866	489819.72	3859368.21	3.02E-04	4.74E-08	1.92E-06	8.41E-06	3.13E-04	1.44E-04	2.09E-02	1.44E-04	3.09E-04	2.15E-02	1.37E-04	3.92E-08	1.92E-06	8.41E-06	1.47E-04
2867	489775.41	3859329.72	3.09E-04	4.88E-08	1.98E-06	8.52E-06	3.19E-04	1.47E-04	2.15E-02	1.49E-04	3.12E-04	2.21E-02	1.40E-04	4.03E-08	1.98E-06	8.52E-06	1.50E-04
2868	489795.41	3859329.72	3.08E-04	4.82E-08	1.99E-06	8.40E-06	3.18E-04	1.46E-04	2.12E-02	1.50E-04	3.08E-04	2.18E-02	1.39E-04	3.98E-08	1.99E-06	8.40E-06	1.50E-04
2869	489775.41	3859349.72	3.07E-04	4.88E-08	1.93E-06	8.59E-06	3.17E-04	1.46E-04	2.15E-02	1.45E-04	3.15E-04	2.21E-02	1.39E-04	4.03E-08	1.93E-06	8.59E-06	1.49E-04
2870	489795.41	3859349.72	3.06E-04	4.81E-08	1.95E-06	8.48E-06	3.16E-04	1.45E-04	2.12E-02	1.46E-04	3.11E-04	2.18E-02	1.38E-04	3.98E-08	1.95E-06	8.48E-06	1.49E-04
2871	489595.05	3859219.43	3.31E-04	5.48E-08	2.15E-06	8.99E-06	3.43E-04	1.58E-04	2.41E-02	1.61E-04	3.30E-04	2.48E-02	1.50E-04	4.53E-08	2.15E-06	8.99E-06	1.61E-04
2872	489615.05	3859219.43	3.31E-04	5.39E-08	2.17E-06	8.88E-06	3.42E-04	1.57E-04	2.38E-02	1.63E-04	3.26E-04	2.44E-02	1.50E-04	4.46E-08	2.17E-06	8.88E-06	1.61E-04
2873	489595.05	3859239.43	3.29E-04	5.51E-08	2.09E-06	9.13E-06	3.40E-04	1.56E-04	2.43E-02	1.56E-04	3.35E-04	2.49E-02	1.49E-04	4.55E-08	2.09E-06	9.13E-06	1.60E-04
2874	489615.05	3859239.43	3.28E-04	5.42E-08	2.11E-06	9.01E-06	3.39E-04	1.56E-04	2.39E-02	1.58E-04	3.30E-04	2.45E-02	1.48E-04	4.47E-08	2.11E-06	9.01E-06	1.59E-04
2875	489372.4	3859092.58	3.61E-04	6.26E-08	2.35E-06	8.85E-06	3.72E-04	1.72E-04	2.76E-02	1.76E-04	3.25E-04	2.83E-02	1.63E-04	5.17E-08	2.35E-06	8.85E-06	1.75E-04
2876	489422.4	3859092.58	3.59E-04	6.00E-08	2.42E-06	8.66E-06	3.70E-04	1.70E-04	2.64E-02	1.81E-04	3.18E-04	2.71E-02	1.62E-04	4.95E-08	2.42E-06	8.66E-06	1.73E-04
2877	489372.4	3859142.58	3.53E-04	6.44E-08	2.15E-06	9.43E-06	3.65E-04	1.68E-04	2.84E-02	1.61E-04	3.46E-04	2.90E-02	1.60E-04	5.32E-08	2.15E-06	9.43E-06	1.72E-04
2878	489422.4	3859142.58	3.51E-04	6.16E-08	2.22E-06	9.20E-06	3.62E-04	1.67E-04	2.71E-02	1.66E-04	3.37E-04	2.78E-02	1.59E-04	5.09E-08	2.22E-06	9.20E-06	1.70E-04
2879	488870.84	3858666.64	4.78E-04	4.62E-08	4.53E-06	6.45E-06	4.89E-04	2.27E-04	2.03E-02	3.40E-04	2.37E-04	2.11E-02	2.16E-04	3.82E-08	4.53E-06	6.45E-06	2.27E-04
2880	488900.84	3858666.64	4.76E-04	4.57E-08	4.70E-06	6.39E-06	4.87E-04	2.26E-04	2.01E-02	3.52E-04	2.34E-04	2.09E-02	2.15E-04	3.77E-08	4.70E-06	6.39E-06	2.27E-04
2881	488870.84	3858696.64	4.70E-04	4.90E-08	4.06E-06	6.60E-06	4.81E-04	2.24E-04	2.16E-02	3.05E-04	2.42E-04	2.23E-02	2.13E-04	4.05E-08	4.06E-06	6.60E-06	2.23E-04
2882	488900.84	3858696.64	4.68E-04	4.84E-08	4.21E-06	6.54E-06	4.79E-04	2.23E-04	2.13E-02	3.16E-04	2.40E-04	2.21E-02	2.12E-04	3.99E-08	4.21E-06	6.54E-06	2.23E-04
2883	488889.67	3858683.97	4.72E-04	4.74E-08	4.35E-06	6.49E-06	4.83E-04	2.25E-04	2.09E-02	3.26E-04	2.38E-04	2.16E-02	2.14E-04	3.91E-08	4.35E-06	6.49E-06	2.25E-04
2884	488919.67	3858683.97	4.70E-04	4.68E-08	4.51E-06	6.43E-06	4.81E-04	2.24E-04	2.06E-02	3.38E-04	2.36E-04	2.14E-02	2.13E-04	3.87E-08	4.51E-06	6.43E-06	2.24E-04
2885	488889.67	3858713.97	4.65E-04	5.03E-08	3.92E-06	6.66E-06	4.75E-04	2.21E-04	2.22E-02	2.94E-04	2.44E-04	2.29E-02	2.10E-04	4.16E-08	3.92E-06	6.66E-06	2.21E-04
2886	488919.67	3858713.97	4.63E-04	4.96E-08	4.06E-06	6.59E-06	4.73E-04	2.20E-04	2.19E-02	3.04E-04	2.42E-04	2.26E-02	2.09E-04	4.10E-08	4.06E-06	6.59E-06	2.20E-04
2887	488906.61	3858703.33	4.66E-04	4.89E-08	4.15E-06	6.56E-06	4.77E-04	2.22E-04	2.15E-02	3.11E-04	2.41E-04	2.23E-02	2.11E-04	4.04E-08	4.15E-06	6.56E-06	2.22E-04
2888	488936.61	3858703.33	4.64E-04	4.82E-08	4.29E-06	6.50E-06	4.75E-04	2.21E-04	2.12E-02	3.22E-04	2.38E-04	2.20E-02	2.10E-04	3.98E-08	4.29E-06	6.50E-06	2.21E-04
2889	488906.61	3858733.33	4.59E-04	5.19E-08	3.75E-06	6.73E-06	4.70E-04	2.18E-04	2.28E-02	2.81E-04	2.47E-04	2.36E-02	2.08E-04	4.28E-08	3.75E-06	6.73E-06	2.18E-04
2890	488936.61	3858733.33	4.57E-04	5.11E-08	3.88E-06	6.67E-06	4.68E-04	2.17E-04	2.25E-02	2.91E-04	2.45E-04	2.33E-02	2.07E-04	4.22E-08	3.88E-06	6.67E-06	2.17E-04
2891	488637.63	3858467.85	5.57E-04	3.84E-08	7.93E-06	6.54E-06	5.72E-04	2.65E-04	1.69E-02	5.95E-04	2.40E-04	1.80E-02	2.52E-04	3.17E-08	7.93E-06	6.54E-06	2.67E-04
2892	488662.63	3858467.85	5.55E-04	3.81E-08	8.30E-06	6.44E-06	5.70E-04	2.64E-04	1.68E-02	6.22E-04	2.36E-04	1.79E-02	2.51E-04	3.15E-08	8.30E-06	6.44E-06	2.66E-04
2893	488637.63	3858492.85	5.48E-04	3.94E-08	6.90E-06	6.64E-06	5.62E-04	2.61E-04	1.73E-02	5.17E-04	2.43E-04	1.84E-02	2.48E-04	3.25E-08	6.90E-06	6.64E-06	2.62E-04
2894	488662.63	3858492.85	5.46E-04	3.90E-08	7.22E-06	6.54E-06	5.60E-04	2.60E-04	1.72E-02	5.41E-04	2.40E-04	1.82E-02	2.47E-04	3.22E-08	7.22E-06	6.54E-06	2.61E-04
2895	488687.63	3858492.85	5.44E-04	3.86E-08	7.54E-06	6.44E-06	5.58E-04	2.59E-04	1.70E-02	5.66E-04	2.36E-04	1.81E-02	2.46E-04	3.19E-08	7.54E-06	6.44E-06	2.60E-04
2896	488637.63	3858517.85	5.39E-04	4.05E-08	6.06E-06	6.73E-06	5.52E-04	2.56E-04	1.78E-02	4.54E-04	2.47E-04	1.88E-02	2.44E-04	3.34E-08	6.06E-06	6.73E-06	2.57E-04
2897	488662.63	3858517.85	5.37E-04	4.01E-08	6.33E-06	6.63E-06	5.50E-04	2.55E-04	1.77E-02	4.75E-04	2.43E-04	1.86E-02	2.43E-04	3.31E-08	6.33E-06	6.63E-06	2.56E-04
2898	488687.63	3858517.85	5.35E-04	3.97E-08	6.61E-06	6.53E-06	5.48E-04	2.54E-04	1.75E-02	4.96E-04	2.40E-04	1.85E-02	2.42E-04	3.28E-08	6.61E-06	6.53E-06	2.55E-04
2899	488194.42	3857168.98	3.44E-03	1.75E-08	3.11E-06	2.35E-06	3.45E-03	1.64E-03	7.69E-03	2.33E-04	8.61E-05	9.65E-03	1.56E-03	1.44E-08	3.11E-06	2.35E-06	1.56E-03
2900	488244.42	3857168.98	3.32E-03	1.75E-08	3.16E-06	2.34E-06	3.33E-03	1.58E-03	7.69E-03	2.37E-04	8.59E-05	9.59E-03	1.50E-03	1.44E-08	3.16E-06	2.34E-06	1.51E-03
2901	488294.42	3857168.98	3.21E-03	1.74E-08	3.21E-06	2.34E-06	3.21E-03	1.53E-03	7.65E-03	2.41E-04	8.58E-05	9.51E-03	1.45E-03	1.44E-08	3.21E-06	2.34E-06	1.46E-03
2902	488244.42	3857218.98	3.12E-03	1.77E-08	3.44E-06	2.36E-06	3.12E-03	1.48E-03	7.80E-03	2.58E-04	8.64E-05	9.62E-03	1.41E-03	1.46E-08	3.44E-06	2.36E-06	1.42E-03
2903	488294.42	3857218.98	3.02E-03	1.76E-08	3.50E-06	2.36E-06	3.02E-03	1.43E-03	7.77E-03	2.62E-04	8.65E-05	9.56E-03	1.36E-03	1.46E-08	3.50E-06	2.36E-06	1.37E-03
2904	488294.42	3857268.98	2.82E-03	1.80E-08	3.83E-06	2.39E-06	2.83E-03	1.34E-03	7.91E-03	2.88E-04	8.76E-05	9.63E-03	1.28E-03	1.48E-08	3.83E-06	2.39E-06	1.28E-03
2905	488139.13	3857111.68	3.85E-03	1.73E-08	2.81E-06	2.37E-06	3.85E-03	1.83E-03	7.61E-03	2.11E-04	8.68E-05	9.74E-03	1.74E-03	1.43E-08	2.81E-06	2.37E-06	1.75E-03
2906	488189.13	3857111.68	3.69E-03	1.73E-08	2.83E-06	2.35E-06	3.70E-03	1.76E-03	7.62E-03	2.13E-04	8.63E-05	9.67E-03	1.67E-03	1.43E-08	2.83E-06	2.35E-06	1.68E-03
2907	488189.13	3857161.68	3.49E-03	1.74E-08	3.07E-06	2.35E-06	3.49E-03	1.66E-03	7.68E-03	2.30E-04	8.62E-05	9.66E-03	1.58E-03	1.44E-08	3.07E-06	2.35E-06	1.58E-03
2908	487951.04	3856961.26	5.24E-03	1.70E-08	2.55E-06	2.50E-06	5.24E-03	2.49E-03	7.49E-03	1.91E-04	9.16E-05	1.03E-02	2.37E-03	1.40E-08	2.55E-06	2.50E-06	2.37E-03
2909	488001.04	3856961.26	5.00E-03	1.69E-08	2.44E-06	2.48E-06	5.00E-03	2.38E-03	7.44E-03	1.83E-04	9.10E-05	1.01E-02	2.26E-03	1.39E-08	2.44E-06	2.48E-06	2.27E-03
2910	488051.04	3856961.26	4.78E-03	1.67E-08	2.34E-06	2.47E-06	4.79E-03	2.27E-03	7.34E-03	1.75E-04	9.04E-05	9.88E-03	2.16E-03	1.38E-08	2.34E-06	2.47E-06	2.17E-03
2911	488101.04	3856961.26	4.56E-03	1.67E-08	2.28E-06	2.45E-06	4.57E-03	2.17E-03	7.36E-03	1.71E-04	8.98E-05	9.79E-03	2.06E-03	1.38E-08	2.28E-06	2.45E-06	2.07E-03
2912	487951.04	3857011.26	5.03E-03	1.74E-08	2.72E-06	2.46E-06	5.03E-03	2.39E-03	7.65E-03	2.04E-04	9.03E-05	1.03E-02	2.27E-03	1.43E-08	2.72E-06	2.46E-06	2.28E-03
2913	488001.04	3857011.26	4.81E-03	1.71E-08	2.61E-06	2.45E-06	4.81E-03	2.29E-03	7.54E-03	1.96E-04	8.98E-05	1.01E-02	2.18E-03	1.41E-08	2.61E-06	2.45E-06	2.18E-03
2914	488051.04	3857011.26	4.60E-03	1.69E-08	2.50E-06	2.44E-06	4.61E-03	2.19E-03	7.44E-03	1.88E-04	8.93E-05	9.91E-03	2.08E-03	1.40E-08	2.50E-06	2.44E-06	2.09E-03
2915	488101.04	3857011.26	4.40E-03	1.69E-08	2.44E-06	2.42E-06	4.40E-03	2.09E-03	7.46E-03	1.83E-04	8.87E-05	9.82E-03	1.99E-03	1.40E-08	2.44E-06	2.42E-06	1.99E-03
2916	488001.04	3857061.26	4.57E-03	1.74E-08	2.80E-06	2.42E-06	4.58E-03	2.17E-03	7.66E-03	2.10E-04	8.88E-05	1.01E-02	2.07E-03	1.44E-08	2.80E-06	2.42E-06	2.07E-03
2917	488051.04	3857061.26	4.38E-03	1.73E-08	2.69E-06	2.41E-06	4.38E-03	2.08E-03	7.61E-03	2.02E-04	8.84E-05	9.98E-03	1.98E-03	1.43E-08	2.69E-06	2.41E-06	1.98E-03
2918	488101.04	3857061.26	4.19E-03	1.72E-08	2.62E-06	2.39E-06	4.20E-03	1.99E-03	7.57E-03	1.96E-04	8.78E-05	9.85E-03	1.90E-03	1.42E-08	2.62E-06	2.39E-06	1.90E-03
2919	487638.98	3856673.79	6.91E-03	1.57E-08	1.93E-06	3.05E-06	6.91E-03	3.29E-03	6.91E-03	1.45E-04	1.12E-04	1.05E-02	3.13E-03	1.30E-08	1.93E-06	3.05E-06	3.13E-03
2920	487688.98	3856673.79	6.63E-03	1.56E-08	2.01E-06	3.01E-06	6.64E-03	3.15E-03	6.87E-03	1.51E-04	1.10E-04	1.03E-02	3.00E-03	1.29E-08	2.01E-06	3.01E-06	3.01E-03
2921	487638.98	3856723.79	7.12E-03	1.61E-08	1.97E-06	2.96E-06	7.13E-03	3.39E-03	7.11E-03	1.48E-04	1.09E-04	1.08E-02	3.22E-03	1.33E-08	1.97E-06	2.96E-06	3.23E-03
2922	487688.98	3856723.79	6.82E-03	1.60E-08	2.06E-06	2.92E-06	6.82E-03	3.24E-03	7.05E-03	1.55E-04	1.07E-04	1.06E-02	3.08E-03	1.32E-08	2.06E-06	2.92E-06	3.09E-03
2923	486324.61	3855740.57	6.86E-03	9.38E-09	7.46E-07	5.75E-06	6.87E-03	3.26E-03	4.13E-03	5.59E-05	2.11E-04	7.66E-03	3.10E-03	7.75E-09	7.46E-07	5.75E-06	3.11E-03
2924	486374.61	3855740.57	6.34E-03	9.05E-09	7.55E-07	5.68E-06	6.35E-03	3.02E-03	3.99E-03	5.66E-05	2.08E-04	7.27E-03	2.87E-03	7.48E-09	7.55E-07	5.68E-06	2.88E-03

2925	486424.61	3855740.57	6.04E-03	8.91E-09	7.60E-07	5.59E-06	6.05E-03	2.87E-03	3.92E-03	5.70E-05	2.05E-04	7.06E-03	2.73E-03	7.36E-09	7.60E-07	5.59E-06	2.74E-03
2926	486324.61	3855790.57	7.33E-03	9.82E-09	7.60E-07	6.01E-06	7.34E-03	3.49E-03	4.32E-03	5.70E-05	2.20E-04	8.09E-03	3.32E-03	8.11E-09	7.60E-07	6.01E-06	3.32E-03
2927	486374.61	3855790.57	6.80E-03	9.51E-09	7.70E-07	5.91E-06	6.81E-03	3.23E-03	4.19E-03	5.77E-05	2.17E-04	7.70E-03	3.08E-03	7.85E-09	7.70E-07	5.91E-06	3.08E-03
2928	486424.61	3855790.57	6.54E-03	9.43E-09	7.68E-07	5.81E-06	6.55E-03	3.11E-03	4.15E-03	5.76E-05	2.13E-04	7.53E-03	2.96E-03	7.79E-09	7.68E-07	5.81E-06	2.96E-03
2929	486324.61	3855840.57	7.83E-03	1.03E-08	7.73E-07	6.25E-06	7.83E-03	3.72E-03	4.52E-03	5.80E-05	2.29E-04	8.53E-03	3.54E-03	8.47E-09	7.73E-07	6.25E-06	3.55E-03
2930	486374.61	3855840.57	7.46E-03	1.01E-08	7.76E-07	6.12E-06	7.47E-03	3.55E-03	4.47E-03	5.82E-05	2.25E-04	8.30E-03	3.38E-03	8.38E-09	7.76E-07	6.12E-06	3.38E-03
2931	486424.61	3855840.57	7.07E-03	9.97E-09	7.79E-07	6.00E-06	7.08E-03	3.36E-03	4.39E-03	5.84E-05	2.20E-04	8.03E-03	3.20E-03	8.24E-09	7.79E-07	6.00E-06	3.21E-03
2932	486324.61	3855890.57	8.60E-03	1.09E-08	7.71E-07	6.45E-06	8.61E-03	4.09E-03	4.81E-03	5.79E-05	2.36E-04	9.20E-03	3.89E-03	9.03E-09	7.71E-07	6.45E-06	3.90E-03
2933	486374.61	3855890.57	8.14E-03	1.08E-08	7.82E-07	6.30E-06	8.14E-03	3.87E-03	4.74E-03	5.86E-05	2.31E-04	8.90E-03	3.68E-03	8.89E-09	7.82E-07	6.30E-06	3.69E-03
2934	486424.61	3855890.57	7.67E-03	1.06E-08	7.89E-07	6.17E-06	7.67E-03	3.65E-03	4.65E-03	5.92E-05	2.26E-04	8.58E-03	3.47E-03	8.72E-09	7.89E-07	6.17E-06	3.48E-03
2935	488735.69	3858285.64	6.40E-04	3.16E-08	2.69E-05	5.34E-06	6.72E-04	3.04E-04	1.39E-02	2.01E-03	1.96E-04	1.65E-02	2.89E-04	2.61E-08	2.69E-05	5.34E-06	3.22E-04
2936	488765.69	3858285.64	6.40E-04	3.13E-08	2.66E-05	5.27E-06	6.72E-04	3.04E-04	1.38E-02	2.00E-03	1.93E-04	1.63E-02	2.90E-04	2.59E-08	2.66E-05	5.27E-06	3.21E-04
2937	488735.69	3858315.64	6.21E-04	3.24E-08	2.28E-05	5.48E-06	6.50E-04	2.95E-04	1.43E-02	1.71E-03	2.01E-04	1.65E-02	2.81E-04	2.68E-08	2.28E-05	5.48E-06	3.09E-04
2938	488765.69	3858315.64	6.22E-04	3.20E-08	2.28E-05	5.41E-06	6.50E-04	2.95E-04	1.41E-02	1.71E-03	1.98E-04	1.63E-02	2.81E-04	2.65E-08	2.28E-05	5.41E-06	3.09E-04
2939	478676.63	3849871.93	4.09E-05	6.03E-10	1.75E-07	2.47E-07	4.13E-05	1.95E-05	2.66E-04	1.31E-05	9.06E-06	3.07E-04	1.85E-05	4.98E-10	1.75E-07	2.47E-07	1.89E-05
2940	479326.63	3849871.93	5.94E-05	4.86E-10	1.73E-07	2.59E-07	5.98E-05	2.82E-05	2.14E-04	1.29E-05	9.50E-06	2.65E-04	2.69E-05	4.02E-10	1.73E-07	2.59E-07	2.73E-05
2941	479376.63	3849871.93	6.08E-05	4.77E-10	1.73E-07	2.60E-07	6.12E-05	2.89E-05	2.10E-04	1.29E-05	9.54E-06	2.61E-04	2.75E-05	3.94E-10	1.73E-07	2.60E-07	2.79E-05
2942	479426.63	3849871.93	6.23E-05	4.71E-10	1.73E-07	2.61E-07	6.28E-05	2.96E-05	2.07E-04	1.29E-05	9.57E-06	2.59E-04	2.82E-05	3.89E-10	1.73E-07	2.61E-07	2.86E-05
2943	478726.63	3849921.93	4.15E-05	6.14E-10	1.77E-07	2.49E-07	4.19E-05	1.97E-05	2.70E-04	1.33E-05	9.12E-06	3.12E-04	1.88E-05	5.07E-10	1.77E-07	2.49E-07	1.92E-05
2944	478776.63	3849921.93	4.24E-05	6.09E-10	1.76E-07	2.50E-07	4.28E-05	2.02E-05	2.68E-04	1.32E-05	9.16E-06	3.11E-04	1.92E-05	5.03E-10	1.76E-07	2.50E-07	1.96E-05
2945	478826.63	3849921.93	4.34E-05	6.03E-10	1.76E-07	2.51E-07	4.39E-05	2.06E-05	2.66E-04	1.32E-05	9.19E-06	3.09E-04	1.96E-05	4.98E-10	1.76E-07	2.51E-07	2.01E-05
2946	478976.63	3849921.93	4.72E-05	5.82E-10	1.75E-07	2.54E-07	4.76E-05	2.24E-05	2.56E-04	1.31E-05	9.31E-06	3.01E-04	2.14E-05	4.80E-10	1.75E-07	2.54E-07	2.18E-05
2947	479026.63	3849921.93	4.89E-05	5.82E-10	1.75E-07	2.54E-07	4.93E-05	2.32E-05	2.56E-04	1.31E-05	9.31E-06	3.02E-04	2.21E-05	4.80E-10	1.75E-07	2.54E-07	2.25E-05
2948	479076.63	3849921.93	5.05E-05	5.75E-10	1.74E-07	2.55E-07	5.09E-05	2.40E-05	2.53E-04	1.31E-05	9.35E-06	3.00E-04	2.28E-05	4.75E-10	1.74E-07	2.55E-07	2.33E-05
2949	479126.63	3849921.93	5.22E-05	5.66E-10	1.74E-07	2.56E-07	5.26E-05	2.48E-05	2.49E-04	1.31E-05	9.38E-06	2.96E-04	2.36E-05	4.67E-10	1.74E-07	2.56E-07	2.40E-05
2950	479176.63	3849921.93	5.40E-05	5.59E-10	1.74E-07	2.56E-07	5.44E-05	2.57E-05	2.46E-04	1.31E-05	9.38E-06	2.94E-04	2.44E-05	4.62E-10	1.74E-07	2.56E-07	2.49E-05
2951	479226.63	3849921.93	5.55E-05	5.39E-10	1.73E-07	2.57E-07	5.60E-05	2.64E-05	2.37E-04	1.30E-05	9.44E-06	2.86E-04	2.51E-05	4.45E-10	1.73E-07	2.57E-07	2.56E-05
2952	479276.63	3849921.93	5.67E-05	5.10E-10	1.73E-07	2.59E-07	5.72E-05	2.70E-05	2.25E-04	1.30E-05	9.50E-06	2.74E-04	2.57E-05	4.21E-10	1.73E-07	2.59E-07	2.61E-05
2953	479326.63	3849921.93	5.92E-05	5.24E-10	1.73E-07	2.58E-07	5.96E-05	2.81E-05	2.31E-04	1.30E-05	9.47E-06	2.82E-04	2.68E-05	4.33E-10	1.73E-07	2.58E-07	2.72E-05
2954	479376.63	3849921.93	6.03E-05	4.95E-10	1.73E-07	2.61E-07	6.07E-05	2.86E-05	2.18E-04	1.30E-05	9.57E-06	2.69E-04	2.73E-05	4.09E-10	1.73E-07	2.61E-07	2.77E-05
2955	479426.63	3849921.93	6.22E-05	5.01E-10	1.73E-07	2.61E-07	6.27E-05	2.96E-05	2.21E-04	1.30E-05	9.57E-06	2.73E-04	2.81E-05	4.14E-10	1.73E-07	2.61E-07	2.86E-05
2956	478726.63	3849971.93	4.12E-05	6.28E-10	1.78E-07	2.49E-07	4.16E-05	1.96E-05	2.77E-04	1.33E-05	9.12E-06	3.19E-04	1.86E-05	5.19E-10	1.78E-07	2.49E-07	1.91E-05
2957	478776.63	3849971.93	4.20E-05	6.23E-10	1.78E-07	2.50E-07	4.24E-05	2.00E-05	2.74E-04	1.33E-05	9.16E-06	3.17E-04	1.90E-05	5.15E-10	1.78E-07	2.50E-07	1.94E-05
2958	478826.63	3849971.93	4.29E-05	6.17E-10	1.77E-07	2.51E-07	4.34E-05	2.04E-05	2.72E-04	1.33E-05	9.19E-06	3.15E-04	1.94E-05	5.10E-10	1.77E-07	2.51E-07	1.98E-05
2959	478976.63	3849971.93	4.66E-05	6.07E-10	1.76E-07	2.53E-07	4.70E-05	2.22E-05	2.67E-04	1.32E-05	9.28E-06	3.12E-04	2.11E-05	5.02E-10	1.76E-07	2.53E-07	2.15E-05
2960	479026.63	3849971.93	4.80E-05	5.99E-10	1.76E-07	2.54E-07	4.84E-05	2.28E-05	2.64E-04	1.32E-05	9.31E-06	3.09E-04	2.17E-05	4.94E-10	1.76E-07	2.54E-07	2.21E-05
2961	479076.63	3849971.93	4.95E-05	5.91E-10	1.76E-07	2.56E-07	4.99E-05	2.35E-05	2.60E-04	1.32E-05	9.38E-06	3.06E-04	2.24E-05	4.88E-10	1.76E-07	2.56E-07	2.28E-05
2962	479126.63	3849971.93	5.11E-05	5.84E-10	1.75E-07	2.56E-07	5.16E-05	2.43E-05	2.57E-04	1.31E-05	9.38E-06	3.04E-04	2.31E-05	4.82E-10	1.75E-07	2.56E-07	2.36E-05
2963	479176.63	3849971.93	5.29E-05	5.75E-10	1.75E-07	2.57E-07	5.34E-05	2.52E-05	2.53E-04	1.31E-05	9.41E-06	3.01E-04	2.40E-05	4.75E-10	1.75E-07	2.57E-07	2.44E-05
2964	479226.63	3849971.93	5.39E-05	5.37E-10	1.75E-07	2.59E-07	5.43E-05	2.56E-05	2.37E-04	1.31E-05	9.50E-06	2.85E-04	2.44E-05	4.44E-10	1.75E-07	2.59E-07	2.48E-05
2965	479276.63	3849971.93	5.63E-05	5.49E-10	1.75E-07	2.59E-07	5.67E-05	2.68E-05	2.42E-04	1.31E-05	9.50E-06	2.91E-04	2.55E-05	4.53E-10	1.75E-07	2.59E-07	2.59E-05
2966	479326.63	3849971.93	5.84E-05	5.54E-10	1.74E-07	2.58E-07	5.89E-05	2.78E-05	2.44E-04	1.31E-05	9.47E-06	2.94E-04	2.64E-05	4.57E-10	1.74E-07	2.58E-07	2.69E-05
2967	479376.63	3849971.93	5.97E-05	5.24E-10	1.74E-07	2.61E-07	6.02E-05	2.84E-05	2.31E-04	1.31E-05	9.57E-06	2.82E-04	2.70E-05	4.32E-10	1.74E-07	2.61E-07	2.75E-05
2968	479426.63	3849971.93	6.16E-05	5.21E-10	1.74E-07	2.61E-07	6.20E-05	2.93E-05	2.29E-04	1.31E-05	9.57E-06	2.81E-04	2.79E-05	4.30E-10	1.74E-07	2.61E-07	2.83E-05
2969	478726.63	3850021.93	4.11E-05	6.42E-10	1.79E-07	2.49E-07	4.15E-05	1.95E-05	2.83E-04	1.34E-05	9.12E-06	3.25E-04	1.86E-05	5.31E-10	1.79E-07	2.49E-07	1.90E-05
2970	478776.63	3850021.93	4.17E-05	6.37E-10	1.79E-07	2.51E-07	4.22E-05	1.98E-05	2.80E-04	1.34E-05	9.19E-06	3.23E-04	1.89E-05	5.26E-10	1.79E-07	2.51E-07	1.93E-05
2971	478826.63	3850021.93	4.26E-05	6.32E-10	1.79E-07	2.51E-07	4.30E-05	2.02E-05	2.78E-04	1.34E-05	9.22E-06	3.21E-04	1.93E-05	5.22E-10	1.79E-07	2.51E-07	1.97E-05
2972	478976.63	3850021.93	4.59E-05	6.22E-10	1.78E-07	2.54E-07	4.63E-05	2.18E-05	2.74E-04	1.33E-05	9.31E-06	3.19E-04	2.08E-05	5.14E-10	1.78E-07	2.54E-07	2.12E-05
2973	478726.63	3850071.93	4.11E-05	6.57E-10	1.80E-07	2.50E-07	4.15E-05	1.95E-05	2.89E-04	1.35E-05	9.16E-06	3.31E-04	1.86E-05	5.42E-10	1.80E-07	2.50E-07	1.90E-05
2974	478776.63	3850071.93	4.17E-05	6.53E-10	1.79E-07	2.51E-07	4.21E-05	1.98E-05	2.88E-04	1.35E-05	9.19E-06	3.30E-04	1.88E-05	5.39E-10	1.79E-07	2.51E-07	1.93E-05
2975	478826.63	3850071.93	4.23E-05	6.48E-10	1.79E-07	2.51E-07	4.28E-05	2.01E-05	2.85E-04	1.35E-05	9.22E-06	3.28E-04	1.92E-05	5.35E-10	1.79E-07	2.51E-07	1.96E-05
2976	478876.63	3850071.93	4.32E-05	6.44E-10	1.79E-07	2.52E-07	4.36E-05	2.05E-05	2.84E-04	1.35E-05	9.25E-06	3.27E-04	1.95E-05	5.32E-10	1.79E-07	2.52E-07	2.00E-05
2977	478976.63	3850071.93	4.53E-05	6.39E-10	1.79E-07	2.54E-07	4.57E-05	2.15E-05	2.81E-04	1.34E-05	9.31E-06	3.26E-04	2.05E-05	5.28E-10	1.79E-07	2.54E-07	2.09E-05
2978	478726.63	3850121.93	4.13E-05	6.71E-10	1.81E-07	2.51E-07	4.17E-05	1.96E-05	2.95E-04	1.36E-05	9.19E-06	3.38E-04	1.87E-05	5.54E-10	1.81E-07	2.51E-07	1.91E-05
2979	478776.63	3850121.93	4.17E-05	6.68E-10	1.81E-07	2.51E-07	4.22E-05	1.98E-05	2.94E-04	1.36E-05	9.22E-06	3.37E-04	1.89E-05	5.52E-10	1.81E-07	2.51E-07	1.93E-05
2980	478826.63	3850121.93	4.23E-05	6.64E-10	1.81E-07	2.52E-07	4.27E-05	2.01E-05	2.92E-04	1.36E-05	9.25E-06	3.35E-04	1.91E-05	5.48E-10	1.81E-07	2.52E-07	1.96E-05
2981	478876.63	3850121.93	4.30E-05	6.59E-10	1.80E-07	2.53E-07	4.34E-05	2.04E-05	2.90E-04	1.35E-05	9.28E-06	3.33E-04	1.94E-05	5.44E-10	1.80E-07	2.53E-07	1.99E-05
2982	478976.63	3850121.93	4.48E-05	6.54E-10	1.80E-07	2.55E-07	4.53E-05	2.13E-05	2.88E-04	1.35E-05	9.35E-06	3.32E-04	2.03E-05	5.41E-10	1.80E-07	2.55E-07	2.07E-05
2983	479026.63	3850121.93	4.59E-05	6.51E-10	1.80E-07	2.56E-07	4.64E-05	2.18E-05	2.87E-04	1.35E-05	9.38E-06	3.31E-04	2.08E-05	5.38E-10	1.80E-07	2.56E-07	2.12E-05
2984	479076.63	3850121.93	4.72E-05	6.45E-10	1.79E-07	2.57E-07	4.76E-05	2.24E-05	2.84E-04	1.35E-05	9.41E-06	3.29E-04	2.13E-05	5.33E-10	1.79E-07	2.57E-07	2.18E-05
2985	479126.63	3850121.93	4.85E-05	6.39E-10	1.79E-07	2.57E-07	4.89E-05	2.31E-05	2.82E-04	1.35E-05	9.44E-06	3.28E-04	2.19E-05	5.28E-10	1.79E-07	2.57E-07	2.24E-05

2986	478776.63	3850171.93	4.19E-05	6.82E-10	1.82E-07	2.51E-07	4.24E-05	1.99E-05	3.01E-04	1.37E-05	9.22E-06	3.43E-04	1.90E-05	5.64E-10	1.82E-07	2.51E-07	1.94E-05
2987	478826.63	3850171.93	4.24E-05	6.78E-10	1.82E-07	2.53E-07	4.28E-05	2.01E-05	2.99E-04	1.37E-05	9.28E-06	3.42E-04	1.92E-05	5.60E-10	1.82E-07	2.53E-07	1.96E-05
2988	478876.63	3850171.93	4.29E-05	6.74E-10	1.82E-07	2.54E-07	4.34E-05	2.04E-05	2.97E-04	1.37E-05	9.31E-06	3.40E-04	1.94E-05	5.57E-10	1.82E-07	2.54E-07	1.99E-05
2989	478976.63	3850171.93	4.45E-05	6.70E-10	1.81E-07	2.55E-07	4.50E-05	2.12E-05	2.95E-04	1.36E-05	9.35E-06	3.39E-04	2.01E-05	5.54E-10	1.81E-07	2.55E-07	2.06E-05
2990	479026.63	3850171.93	4.56E-05	6.69E-10	1.81E-07	2.56E-07	4.60E-05	2.17E-05	2.95E-04	1.36E-05	9.38E-06	3.39E-04	2.06E-05	5.52E-10	1.81E-07	2.56E-07	2.10E-05
2991	479076.63	3850171.93	4.66E-05	6.63E-10	1.81E-07	2.57E-07	4.71E-05	2.22E-05	2.92E-04	1.36E-05	9.41E-06	3.37E-04	2.11E-05	5.48E-10	1.81E-07	2.57E-07	2.15E-05
2992	479126.63	3850171.93	4.79E-05	6.58E-10	1.80E-07	2.57E-07	4.83E-05	2.28E-05	2.90E-04	1.35E-05	9.44E-06	3.36E-04	2.17E-05	5.44E-10	1.80E-07	2.57E-07	2.21E-05
2993	479176.63	3850171.93	4.93E-05	6.54E-10	1.80E-07	2.58E-07	4.97E-05	2.34E-05	2.88E-04	1.35E-05	9.47E-06	3.35E-04	2.23E-05	5.41E-10	1.80E-07	2.58E-07	2.27E-05
2994	479226.63	3850171.93	5.10E-05	6.57E-10	1.80E-07	2.58E-07	5.14E-05	2.42E-05	2.89E-04	1.35E-05	9.47E-06	3.36E-04	2.31E-05	5.42E-10	1.80E-07	2.58E-07	2.35E-05
2995	479276.63	3850171.93	5.27E-05	6.59E-10	1.80E-07	2.58E-07	5.32E-05	2.51E-05	2.90E-04	1.35E-05	9.47E-06	3.39E-04	2.39E-05	5.45E-10	1.80E-07	2.58E-07	2.43E-05
2996	479326.63	3850171.93	5.44E-05	6.49E-10	1.79E-07	2.59E-07	5.48E-05	2.58E-05	2.86E-04	1.35E-05	9.50E-06	3.35E-04	2.46E-05	5.36E-10	1.79E-07	2.59E-07	2.50E-05
2997	479376.63	3850171.93	5.61E-05	6.37E-10	1.79E-07	2.61E-07	5.65E-05	2.67E-05	2.80E-04	1.35E-05	9.57E-06	3.30E-04	2.54E-05	5.26E-10	1.79E-07	2.61E-07	2.58E-05
2998	478676.63	3850221.93	4.19E-05	6.97E-10	1.83E-07	2.51E-07	4.23E-05	1.99E-05	3.07E-04	1.37E-05	9.19E-06	3.50E-04	1.89E-05	5.76E-10	1.83E-07	2.51E-07	1.94E-05
2999	478726.63	3850221.93	4.20E-05	6.98E-10	1.83E-07	2.51E-07	4.25E-05	2.00E-05	3.07E-04	1.37E-05	9.22E-06	3.50E-04	1.90E-05	5.77E-10	1.83E-07	2.51E-07	1.94E-05
3000	478976.63	3850221.93	4.44E-05	6.87E-10	1.83E-07	2.56E-07	4.49E-05	2.11E-05	3.02E-04	1.37E-05	9.38E-06	3.47E-04	2.01E-05	5.67E-10	1.83E-07	2.56E-07	2.05E-05
3001	479026.63	3850221.93	4.53E-05	6.85E-10	1.83E-07	2.57E-07	4.58E-05	2.15E-05	3.02E-04	1.37E-05	9.41E-06	3.46E-04	2.05E-05	5.66E-10	1.83E-07	2.57E-07	2.09E-05
3002	479076.63	3850221.93	4.63E-05	6.80E-10	1.82E-07	2.57E-07	4.67E-05	2.20E-05	3.00E-04	1.37E-05	9.44E-06	3.45E-04	2.09E-05	5.62E-10	1.82E-07	2.57E-07	2.14E-05
3003	479126.63	3850221.93	4.74E-05	6.77E-10	1.82E-07	2.58E-07	4.78E-05	2.25E-05	2.98E-04	1.37E-05	9.47E-06	3.44E-04	2.14E-05	5.59E-10	1.82E-07	2.58E-07	2.19E-05
3004	479176.63	3850221.93	4.87E-05	6.76E-10	1.82E-07	2.58E-07	4.92E-05	2.32E-05	2.98E-04	1.37E-05	9.47E-06	3.44E-04	2.20E-05	5.58E-10	1.82E-07	2.58E-07	2.25E-05
3005	479226.63	3850221.93	5.02E-05	6.75E-10	1.81E-07	2.59E-07	5.07E-05	2.39E-05	2.97E-04	1.36E-05	9.50E-06	3.44E-04	2.27E-05	5.58E-10	1.81E-07	2.59E-07	2.32E-05
3006	479276.63	3850221.93	5.18E-05	6.75E-10	1.81E-07	2.59E-07	5.23E-05	2.46E-05	2.97E-04	1.36E-05	9.50E-06	3.45E-04	2.35E-05	5.58E-10	1.81E-07	2.59E-07	2.39E-05
3007	479326.63	3850221.93	5.33E-05	6.65E-10	1.81E-07	2.60E-07	5.38E-05	2.54E-05	2.93E-04	1.36E-05	9.54E-06	3.41E-04	2.41E-05	5.49E-10	1.81E-07	2.60E-07	2.46E-05
3008	479376.63	3850221.93	5.50E-05	6.57E-10	1.80E-07	2.61E-07	5.55E-05	2.62E-05	2.89E-04	1.35E-05	9.57E-06	3.38E-04	2.49E-05	5.42E-10	1.80E-07	2.61E-07	2.53E-05
3009	478676.63	3850271.93	4.25E-05	7.09E-10	1.84E-07	2.51E-07	4.29E-05	2.02E-05	3.12E-04	1.38E-05	9.22E-06	3.55E-04	1.92E-05	5.85E-10	1.84E-07	2.51E-07	1.97E-05
3010	478726.63	3850271.93	4.26E-05	7.10E-10	1.84E-07	2.52E-07	4.30E-05	2.03E-05	3.13E-04	1.38E-05	9.25E-06	3.56E-04	1.93E-05	5.87E-10	1.84E-07	2.52E-07	1.97E-05
3011	478976.63	3850271.93	4.44E-05	7.01E-10	1.84E-07	2.57E-07	4.48E-05	2.11E-05	3.09E-04	1.38E-05	9.41E-06	3.53E-04	2.01E-05	5.79E-10	1.84E-07	2.57E-07	2.05E-05
3012	479026.63	3850271.93	4.52E-05	7.01E-10	1.84E-07	2.57E-07	4.56E-05	2.15E-05	3.09E-04	1.38E-05	9.44E-06	3.53E-04	2.04E-05	5.79E-10	1.84E-07	2.57E-07	2.09E-05
3013	479076.63	3850271.93	4.61E-05	6.98E-10	1.84E-07	2.57E-07	4.65E-05	2.19E-05	3.07E-04	1.38E-05	9.44E-06	3.53E-04	2.08E-05	5.77E-10	1.84E-07	2.57E-07	2.13E-05
3014	479126.63	3850271.93	4.70E-05	6.95E-10	1.84E-07	2.58E-07	4.75E-05	2.24E-05	3.06E-04	1.38E-05	9.47E-06	3.52E-04	2.13E-05	5.74E-10	1.84E-07	2.58E-07	2.17E-05
3015	479176.63	3850271.93	4.83E-05	6.94E-10	1.83E-07	2.59E-07	4.87E-05	2.29E-05	3.06E-04	1.37E-05	9.50E-06	3.52E-04	2.18E-05	5.73E-10	1.83E-07	2.59E-07	2.23E-05
3016	479226.63	3850271.93	4.96E-05	6.93E-10	1.83E-07	2.59E-07	5.00E-05	2.36E-05	3.05E-04	1.37E-05	9.50E-06	3.52E-04	2.24E-05	5.72E-10	1.83E-07	2.59E-07	2.29E-05
3017	479276.63	3850271.93	5.10E-05	6.90E-10	1.83E-07	2.60E-07	5.15E-05	2.43E-05	3.04E-04	1.37E-05	9.54E-06	3.51E-04	2.31E-05	5.70E-10	1.83E-07	2.60E-07	2.35E-05
3018	479326.63	3850271.93	5.24E-05	6.81E-10	1.82E-07	2.61E-07	5.29E-05	2.49E-05	3.00E-04	1.37E-05	9.57E-06	3.48E-04	2.37E-05	5.62E-10	1.82E-07	2.61E-07	2.42E-05
3019	479376.63	3850271.93	5.40E-05	6.69E-10	1.82E-07	2.63E-07	5.44E-05	2.57E-05	2.95E-04	1.37E-05	9.63E-06	3.44E-04	2.44E-05	5.53E-10	1.82E-07	2.63E-07	2.49E-05
3020	479053.24	3850293.52	4.56E-05	7.07E-10	1.85E-07	2.57E-07	4.61E-05	2.17E-05	3.12E-04	1.38E-05	9.44E-06	3.57E-04	2.06E-05	5.84E-10	1.85E-07	2.57E-07	2.11E-05
3021	479103.24	3850293.52	4.65E-05	7.05E-10	1.84E-07	2.58E-07	4.70E-05	2.21E-05	3.11E-04	1.38E-05	9.47E-06	3.56E-04	2.11E-05	5.83E-10	1.84E-07	2.58E-07	2.15E-05
3022	479153.24	3850293.52	4.75E-05	7.02E-10	1.84E-07	2.59E-07	4.80E-05	2.26E-05	3.09E-04	1.38E-05	9.50E-06	3.55E-04	2.15E-05	5.80E-10	1.84E-07	2.59E-07	2.19E-05
3023	479203.24	3850293.52	4.88E-05	7.01E-10	1.84E-07	2.60E-07	4.92E-05	2.32E-05	3.09E-04	1.38E-05	9.54E-06	3.55E-04	2.21E-05	5.79E-10	1.84E-07	2.60E-07	2.25E-05
3024	479253.24	3850293.52	5.01E-05	6.99E-10	1.84E-07	2.60E-07	5.05E-05	2.38E-05	3.08E-04	1.38E-05	9.54E-06	3.55E-04	2.27E-05	5.77E-10	1.84E-07	2.60E-07	2.31E-05
3025	479303.24	3850293.52	5.14E-05	6.92E-10	1.83E-07	2.61E-07	5.19E-05	2.44E-05	3.05E-04	1.37E-05	9.57E-06	3.52E-04	2.33E-05	5.71E-10	1.83E-07	2.61E-07	2.37E-05
3026	479353.24	3850293.52	5.28E-05	6.82E-10	1.83E-07	2.62E-07	5.33E-05	2.51E-05	3.00E-04	1.37E-05	9.60E-06	3.49E-04	2.39E-05	5.63E-10	1.83E-07	2.62E-07	2.43E-05
3027	479153.24	3850343.52	4.74E-05	7.20E-10	1.85E-07	2.60E-07	4.78E-05	2.25E-05	3.17E-04	1.39E-05	9.54E-06	3.63E-04	2.14E-05	5.94E-10	1.85E-07	2.60E-07	2.19E-05
3028	479203.24	3850343.52	4.93E-05	7.18E-10	1.85E-07	2.60E-07	4.97E-05	2.34E-05	3.16E-04	1.38E-05	9.54E-06	3.63E-04	2.23E-05	5.93E-10	1.85E-07	2.60E-07	2.27E-05
3029	479253.24	3850343.52	4.95E-05	7.13E-10	1.85E-07	2.61E-07	5.00E-05	2.35E-05	3.14E-04	1.38E-05	9.57E-06	3.61E-04	2.24E-05	5.89E-10	1.85E-07	2.61E-07	2.29E-05
3030	479303.24	3850343.52	5.07E-05	7.05E-10	1.85E-07	2.62E-07	5.12E-05	2.41E-05	3.11E-04	1.38E-05	9.60E-06	3.58E-04	2.29E-05	5.83E-10	1.85E-07	2.62E-07	2.34E-05
3031	479353.24	3850343.52	5.20E-05	6.97E-10	1.84E-07	2.63E-07	5.24E-05	2.47E-05	3.07E-04	1.38E-05	9.66E-06	3.55E-04	2.35E-05	5.75E-10	1.84E-07	2.63E-07	2.40E-05
3032	479203.24	3850393.52	4.89E-05	7.33E-10	1.86E-07	2.61E-07	4.94E-05	2.33E-05	3.23E-04	1.40E-05	9.57E-06	3.70E-04	2.21E-05	6.06E-10	1.86E-07	2.61E-07	2.26E-05
3033	479253.24	3850393.52	4.99E-05	7.28E-10	1.86E-07	2.62E-07	5.03E-05	2.37E-05	3.21E-04	1.40E-05	9.60E-06	3.68E-04	2.26E-05	6.01E-10	1.86E-07	2.62E-07	2.30E-05
3034	479303.24	3850393.52	5.10E-05	7.21E-10	1.85E-07	2.63E-07	5.14E-05	2.42E-05	3.18E-04	1.39E-05	9.63E-06	3.65E-04	2.31E-05	5.96E-10	1.85E-07	2.63E-07	2.35E-05
3035	479353.24	3850393.52	5.13E-05	7.13E-10	1.85E-07	2.64E-07	5.18E-05	2.44E-05	3.14E-04	1.39E-05	9.69E-06	3.62E-04	2.32E-05	5.89E-10	1.85E-07	2.64E-07	2.37E-05
3036	479403.24	3850393.52	5.26E-05	7.04E-10	1.85E-07	2.65E-07	5.31E-05	2.50E-05	3.10E-04	1.39E-05	9.72E-06	3.59E-04	2.38E-05	5.81E-10	1.85E-07	2.65E-07	2.43E-05
3037	479453.24	3850393.52	5.40E-05	6.92E-10	1.85E-07	2.66E-07	5.45E-05	2.57E-05	3.05E-04	1.38E-05	9.76E-06	3.54E-04	2.44E-05	5.71E-10	1.85E-07	2.66E-07	2.49E-05
3038	479503.24	3850393.52	5.55E-05	6.77E-10	1.85E-07	2.67E-07	5.60E-05	2.64E-05	2.98E-04	1.38E-05	9.79E-06	3.48E-04	2.51E-05	5.59E-10	1.85E-07	2.67E-07	2.56E-05
3039	479303.24	3850443.52	5.05E-05	7.35E-10	1.87E-07	2.64E-07	5.10E-05	2.40E-05	3.24E-04	1.40E-05	9.69E-06	3.71E-04	2.28E-05	6.07E-10	1.87E-07	2.64E-07	2.33E-05
3040	479353.24	3850443.52	5.07E-05	7.25E-10	1.87E-07	2.65E-07	5.12E-05	2.41E-05	3.19E-04	1.40E-05	9.72E-06	3.67E-04	2.29E-05	5.99E-10	1.87E-07	2.65E-07	2.34E-05
3041	479403.24	3850443.52	5.18E-05	7.15E-10	1.86E-07	2.66E-07	5.23E-05	2.46E-05	3.15E-04	1.40E-05	9.76E-06	3.63E-04	2.34E-05	5.90E-10	1.86E-07	2.66E-07	2.39E-05
3042	479453.24	3850443.52	5.31E-05	7.03E-10	1.86E-07	2.68E-07	5.35E-05	2.52E-05	3.10E-04	1.40E-05	9.82E-06	3.59E-04	2.40E-05	5.81E-10	1.86E-07	2.68E-07	2.45E-05
3043	479503.24	3850443.52	5.45E-05	6.90E-10	1.86E-07	2.69E-07	5.49E-05	2.59E-05	3.04E-04	1.40E-05	9.85E-06	3.53E-04	2.46E-05	5.70E-10	1.86E-07	2.69E-07	2.51E-05
3044	480327.18	3850987.04	7.56E-05	8.01E-10	1.98E-07	2.94E-07	7.61E-05	3.59E-05	3.53E-04	1.49E-05	1.08E-05	4.14E-04	3.42E-05	6.62E-10	1.98E-07	2.94E-07	3.47E-05
3045	480377.18	3850987.04	7.78E-05	7.93E-10	1.97E-07	2.94E-07	7.83E-05	3.70E-05	3.49E-04	1.48E-05	1.08E-05	4.12E-04	3.52E-05	6.55E-10	1.97E-07	2.94E-07	3.57E-05
3046	480427.18	3850987.04	7.99E-05	7.83E-10	1.97E-07	2.96E-07	8.04E-05	3.80E-05	3.45E-04	1.48E-05	1.09E-05	4.09E-04	3.62E-05	6.47E-10	1.97E-07	2.96E-07	3.67E-05

3047	480477.18	3850987.04	8.20E-05	7.72E-10	1.97E-07	2.98E-07	8.25E-05	3.90E-05	3.40E-04	1.48E-05	1.09E-05	4.05E-04	3.71E-05	6.37E-10	1.97E-07	2.98E-07	3.76E-05
3048	480327.18	3851037.04	7.44E-05	8.20E-10	2.00E-07	2.94E-07	7.49E-05	3.54E-05	3.61E-04	1.50E-05	1.08E-05	4.22E-04	3.37E-05	6.78E-10	2.00E-07	2.94E-07	3.42E-05
3049	480377.18	3851037.04	7.67E-05	8.11E-10	1.99E-07	2.96E-07	7.72E-05	3.65E-05	3.57E-04	1.49E-05	1.09E-05	4.19E-04	3.47E-05	6.70E-10	1.99E-07	2.96E-07	3.52E-05
3050	480427.18	3851037.04	7.90E-05	8.02E-10	1.99E-07	2.98E-07	7.95E-05	3.75E-05	3.53E-04	1.49E-05	1.09E-05	4.17E-04	3.57E-05	6.62E-10	1.99E-07	2.98E-07	3.62E-05
3051	480477.18	3851037.04	8.12E-05	7.94E-10	1.98E-07	2.99E-07	8.17E-05	3.86E-05	3.50E-04	1.49E-05	1.10E-05	4.14E-04	3.67E-05	6.56E-10	1.98E-07	2.99E-07	3.72E-05
3052	480622.06	3851087.39	8.64E-05	7.96E-10	2.00E-07	3.05E-07	8.69E-05	4.11E-05	3.51E-04	1.50E-05	1.12E-05	4.18E-04	3.91E-05	6.58E-10	2.00E-07	3.05E-07	3.96E-05
3053	480672.06	3851087.39	8.83E-05	7.91E-10	1.99E-07	3.07E-07	8.88E-05	4.20E-05	3.48E-04	1.49E-05	1.12E-05	4.17E-04	3.99E-05	6.53E-10	1.99E-07	3.07E-07	4.04E-05
3054	480622.06	3851137.39	8.56E-05	8.19E-10	2.01E-07	3.06E-07	8.62E-05	4.07E-05	3.61E-04	1.51E-05	1.12E-05	4.28E-04	3.87E-05	6.76E-10	2.01E-07	3.06E-07	3.93E-05
3055	480672.06	3851137.39	8.78E-05	8.13E-10	2.01E-07	3.07E-07	8.83E-05	4.17E-05	3.58E-04	1.51E-05	1.13E-05	4.26E-04	3.97E-05	6.72E-10	2.01E-07	3.07E-07	4.02E-05
3056	480722.06	3851137.39	8.97E-05	8.09E-10	2.01E-07	3.09E-07	9.02E-05	4.26E-05	3.56E-04	1.51E-05	1.13E-05	4.25E-04	4.06E-05	6.68E-10	2.01E-07	3.09E-07	4.11E-05
3057	480622.06	3851187.39	8.47E-05	8.41E-10	2.02E-07	3.07E-07	8.52E-05	4.03E-05	3.70E-04	1.52E-05	1.12E-05	4.37E-04	3.83E-05	6.95E-10	2.02E-07	3.07E-07	3.88E-05
3058	480672.06	3851187.39	8.70E-05	8.36E-10	2.02E-07	3.08E-07	8.75E-05	4.14E-05	3.68E-04	1.52E-05	1.13E-05	4.36E-04	3.94E-05	6.91E-10	2.02E-07	3.08E-07	3.99E-05
3059	480722.06	3851187.39	8.91E-05	8.33E-10	2.02E-07	3.10E-07	8.97E-05	4.24E-05	3.67E-04	1.52E-05	1.14E-05	4.36E-04	4.03E-05	6.88E-10	2.02E-07	3.10E-07	4.08E-05
3060	471363.09	3845877.25	1.39E-05	1.39E-10	1.09E-07	1.56E-07	1.41E-05	6.60E-06	6.14E-05	8.16E-06	5.71E-06	8.19E-05	6.28E-06	1.15E-10	1.09E-07	1.56E-07	6.54E-06
3061	471863.09	3845877.25	1.32E-05	1.34E-10	1.11E-07	1.55E-07	1.35E-05	6.30E-06	5.89E-05	8.36E-06	5.68E-06	7.92E-05	5.99E-06	1.10E-10	1.11E-07	1.55E-07	6.26E-06
3062	472363.09	3845877.25	1.42E-05	1.48E-10	1.18E-07	1.54E-07	1.45E-05	6.76E-06	6.52E-05	8.87E-06	5.65E-06	8.65E-05	6.44E-06	1.22E-10	1.18E-07	1.54E-07	6.71E-06
3063	472863.09	3845877.25	1.22E-05	1.37E-10	1.18E-07	1.51E-07	1.25E-05	5.81E-06	6.02E-05	8.87E-06	5.53E-06	8.04E-05	5.53E-06	1.13E-10	1.18E-07	1.51E-07	5.80E-06
3064	473363.09	3845877.25	1.15E-05	1.54E-10	1.20E-07	1.49E-07	1.18E-05	5.48E-06	6.80E-05	8.99E-06	5.46E-06	8.80E-05	5.21E-06	1.28E-10	1.20E-07	1.49E-07	5.48E-06
3065	473863.09	3845877.25	1.22E-05	1.72E-10	1.20E-07	1.48E-07	1.25E-05	5.81E-06	7.56E-05	8.99E-06	5.43E-06	9.58E-05	5.53E-06	1.42E-10	1.20E-07	1.48E-07	5.80E-06
3066	474363.09	3845877.25	1.40E-05	1.96E-10	1.19E-07	1.50E-07	1.43E-05	6.65E-06	8.63E-05	8.93E-06	5.49E-06	1.07E-04	6.33E-06	1.62E-10	1.19E-07	1.50E-07	6.60E-06
3067	474863.09	3845877.25	1.69E-05	2.09E-10	1.18E-07	1.55E-07	1.72E-05	8.05E-06	9.20E-05	8.87E-06	5.68E-06	1.15E-04	7.66E-06	1.73E-10	1.18E-07	1.55E-07	7.94E-06
3068	475363.09	3845877.25	2.39E-05	2.12E-10	1.17E-07	1.64E-07	2.42E-05	1.14E-05	9.36E-05	8.80E-06	6.00E-06	1.20E-04	1.08E-05	1.75E-10	1.17E-07	1.64E-07	1.11E-05
3069	475863.09	3845877.25	2.49E-05	2.03E-10	1.18E-07	1.66E-07	2.52E-05	1.18E-05	8.95E-05	8.87E-06	6.09E-06	1.16E-04	1.13E-05	1.68E-10	1.18E-07	1.66E-07	1.15E-05
3070	476363.09	3845877.25	2.30E-05	1.80E-10	1.22E-07	1.64E-07	2.32E-05	1.09E-05	7.94E-05	9.19E-06	6.03E-06	1.06E-04	1.04E-05	1.49E-10	1.22E-07	1.64E-07	1.07E-05
3071	476863.09	3845877.25	2.18E-05	1.60E-10	1.35E-07	1.63E-07	2.21E-05	1.04E-05	7.02E-05	1.01E-05	5.97E-06	9.67E-05	9.87E-06	1.32E-10	1.35E-07	1.63E-07	1.02E-05
3072	477363.09	3845877.25	1.59E-05	1.54E-10	1.55E-07	1.64E-07	1.62E-05	7.55E-06	6.77E-05	1.16E-05	6.00E-06	9.29E-05	7.18E-06	1.27E-10	1.55E-07	1.64E-07	7.50E-06
3073	477863.09	3845877.25	1.37E-05	1.44E-10	1.62E-07	1.64E-07	1.40E-05	6.52E-06	6.33E-05	1.22E-05	6.00E-06	8.80E-05	6.21E-06	1.19E-10	1.62E-07	1.64E-07	6.53E-06
3074	478363.09	3845877.25	1.48E-05	1.38E-10	1.57E-07	1.64E-07	1.51E-05	7.03E-06	6.08E-05	1.18E-05	6.03E-06	8.57E-05	6.69E-06	1.14E-10	1.57E-07	1.64E-07	7.01E-06
3075	478863.09	3845877.25	1.29E-05	1.28E-10	1.47E-07	1.66E-07	1.32E-05	6.11E-06	5.64E-05	1.10E-05	6.09E-06	7.96E-05	5.81E-06	1.06E-10	1.47E-07	1.66E-07	6.13E-06
3076	479363.09	3845877.25	1.22E-05	1.26E-10	1.42E-07	1.70E-07	1.25E-05	5.81E-06	5.54E-05	1.07E-05	6.25E-06	7.82E-05	5.53E-06	1.04E-10	1.42E-07	1.70E-07	5.84E-06
3077	479863.09	3845877.25	1.24E-05	1.23E-10	1.40E-07	1.76E-07	1.27E-05	5.89E-06	5.42E-05	1.05E-05	6.44E-06	7.70E-05	5.60E-06	1.02E-10	1.40E-07	1.76E-07	5.92E-06
3078	480363.09	3845877.25	1.08E-05	1.16E-10	1.38E-07	1.83E-07	1.12E-05	5.16E-06	5.10E-05	1.03E-05	6.69E-06	7.32E-05	4.91E-06	9.57E-11	1.38E-07	1.83E-07	5.23E-06
3079	480863.09	3845877.25	9.43E-06	1.07E-10	1.39E-07	1.88E-07	9.76E-06	4.48E-06	4.69E-05	1.05E-05	6.88E-06	6.88E-05	4.27E-06	8.80E-11	1.39E-07	1.88E-07	4.59E-06
3080	481363.09	3845877.25	8.21E-06	1.01E-10	1.46E-07	1.88E-07	8.55E-06	3.91E-06	4.44E-05	1.10E-05	6.88E-06	6.62E-05	3.72E-06	8.33E-11	1.46E-07	1.88E-07	4.05E-06
3081	481863.09	3845877.25	7.63E-06	9.58E-11	1.56E-07	1.84E-07	7.97E-06	3.63E-06	4.22E-05	1.17E-05	6.76E-06	6.43E-05	3.45E-06	7.92E-11	1.56E-07	1.84E-07	3.79E-06
3082	482363.09	3845877.25	7.27E-06	9.08E-11	1.66E-07	1.81E-07	7.62E-06	3.46E-06	4.00E-05	1.24E-05	6.63E-06	6.25E-05	3.29E-06	7.50E-11	1.66E-07	1.81E-07	3.64E-06
3083	482863.09	3845877.25	5.86E-06	8.15E-11	1.73E-07	1.78E-07	6.21E-06	2.78E-06	3.59E-05	1.30E-05	6.54E-06	5.82E-05	2.65E-06	6.73E-11	1.73E-07	1.78E-07	3.00E-06
3084	483363.09	3845877.25	5.35E-06	7.51E-11	1.85E-07	1.74E-07	5.71E-06	2.54E-06	3.31E-05	1.39E-05	6.38E-06	5.59E-05	2.42E-06	6.20E-11	1.85E-07	1.74E-07	2.78E-06
3085	483863.09	3845877.25	6.13E-06	8.08E-11	2.06E-07	1.82E-07	6.52E-06	2.92E-06	3.56E-05	1.54E-05	6.66E-06	6.06E-05	2.77E-06	6.68E-11	2.06E-07	1.82E-07	3.16E-06
3086	484363.09	3845877.25	5.97E-06	7.94E-11	2.19E-07	1.83E-07	6.38E-06	2.84E-06	3.50E-05	1.65E-05	6.69E-06	6.10E-05	2.70E-06	6.56E-11	2.19E-07	1.83E-07	3.10E-06
3087	484863.09	3845877.25	5.82E-06	7.72E-11	2.12E-07	1.80E-07	6.21E-06	2.77E-06	3.40E-05	1.59E-05	6.60E-06	5.93E-05	2.63E-06	6.38E-11	2.12E-07	1.80E-07	3.02E-06
3088	485363.09	3845877.25	5.50E-06	7.44E-11	1.93E-07	1.77E-07	5.87E-06	2.62E-06	3.28E-05	1.45E-05	6.47E-06	5.63E-05	2.49E-06	6.14E-11	1.93E-07	1.77E-07	2.86E-06
3089	485863.09	3845877.25	5.23E-06	7.37E-11	1.70E-07	1.75E-07	5.57E-06	2.49E-06	3.24E-05	1.28E-05	6.41E-06	5.41E-05	2.36E-06	6.09E-11	1.70E-07	1.75E-07	2.71E-06
3090	486363.09	3845877.25	5.07E-06	7.37E-11	1.54E-07	1.72E-07	5.40E-06	2.41E-06	3.24E-05	1.15E-05	6.31E-06	5.27E-05	2.29E-06	6.09E-11	1.54E-07	1.72E-07	2.62E-06
3091	486863.09	3845877.25	4.64E-06	7.08E-11	1.39E-07	1.70E-07	4.95E-06	2.21E-06	3.12E-05	1.05E-05	6.22E-06	5.01E-05	2.10E-06	5.85E-11	1.39E-07	1.70E-07	2.41E-06
3092	487363.09	3845877.25	4.52E-06	6.80E-11	1.29E-07	1.70E-07	4.82E-06	2.15E-06	2.99E-05	9.70E-06	6.22E-06	4.80E-05	2.04E-06	5.61E-11	1.29E-07	1.70E-07	2.34E-06
3093	487863.09	3845877.25	4.32E-06	6.44E-11	1.27E-07	1.69E-07	4.62E-06	2.06E-06	2.84E-05	9.50E-06	6.19E-06	4.61E-05	1.96E-06	5.32E-11	1.27E-07	1.69E-07	2.25E-06
3094	488363.09	3845877.25	4.25E-06	6.37E-11	1.28E-07	1.69E-07	4.54E-06	2.02E-06	2.80E-05	9.63E-06	6.19E-06	4.59E-05	1.92E-06	5.26E-11	1.28E-07	1.69E-07	2.22E-06
3095	488863.09	3845877.25	4.60E-06	6.72E-11	1.62E-07	1.76E-07	4.94E-06	2.19E-06	2.96E-05	1.21E-05	6.44E-06	5.04E-05	2.08E-06	5.55E-11	1.62E-07	1.76E-07	2.42E-06
3096	489363.09	3845877.25	4.60E-06	6.58E-11	1.69E-07	1.77E-07	4.94E-06	2.19E-06	2.90E-05	1.27E-05	6.47E-06	5.03E-05	2.08E-06	5.44E-11	1.69E-07	1.77E-07	2.43E-06
3097	489863.09	3845877.25	4.52E-06	6.51E-11	1.73E-07	1.76E-07	4.87E-06	2.15E-06	2.87E-05	1.30E-05	6.44E-06	5.03E-05	2.04E-06	5.38E-11	1.73E-07	1.76E-07	2.39E-06
3098	490363.09	3845877.25	4.28E-06	6.44E-11	1.53E-07	1.73E-07	4.61E-06	2.04E-06	2.84E-05	1.15E-05	6.35E-06	4.82E-05	1.94E-06	5.32E-11	1.53E-07	1.73E-07	2.26E-06
3099	490863.09	3845877.25	3.97E-06	6.08E-11	1.39E-07	1.66E-07	4.27E-06	1.89E-06	2.68E-05	1.04E-05	6.09E-06	4.52E-05	1.80E-06	5.02E-11	1.39E-07	1.66E-07	2.10E-06
3100	491363.09	3845877.25	4.21E-06	6.44E-11	1.45E-07	1.75E-07	4.53E-06	2.00E-06	2.84E-05	1.09E-05	6.41E-06	4.77E-05	1.90E-06	5.32E-11	1.45E-07	1.75E-07	2.22E-06
3101	491863.09	3845877.25	4.48E-06	6.72E-11	1.54E-07	1.82E-07	4.82E-06	2.13E-06	2.96E-05	1.15E-05	6.66E-06	4.99E-05	2.03E-06	5.55E-11	1.54E-07	1.82E-07	2.36E-06
3102	492363.09	3845877.25	4.48E-06	6.58E-11	1.47E-07	1.81E-07	4.81E-06	2.13E-06	2.90E-05	1.10E-05	6.63E-06	4.88E-05	2.03E-06	5.44E-11	1.47E-07	1.81E-07	2.36E-06
3103	492863.09	3845877.25	5.11E-06	7.30E-11	1.59E-07	1.95E-07	5.46E-06	2.43E-06	3.21E-05	1.19E-05	7.17E-06	5.37E-05	2.31E-06	6.03E-11	1.59E-07	1.95E-07	2.67E-06
3104	493363.09	3845877.25	5.42E-06	7.58E-11	1.59E-07	2.03E-07	5.79E-06	2.58E-06	3.34E-05	1.19E-05	7.45E-06	5.53E-05	2.45E-06	6.26E-11	1.59E-07	2.03E-07	2.82E-06
3105	493863.09	3845877.25	5.82E-06	7.87E-11	1.55E-07	2.11E-07	6.18E-06	2.77E-06	3.47E-05	1.16E-05	7.74E-06	5.68E-05	2.63E-06	6.50E-11	1.55E-07	2.11E-07	3.00E-06
3106	494363.09	3845877.25	6.29E-06	8.08E-11	1.51E-07	2.17E-07	6.66E-06	2.99E-06	3.56E-05	1.13E-05	7.96E-06	5.78E-05	2.85E-06	6.68E-11	1.51E-07	2.17E-07	3.21E-06
3107	494863.09	3845877.25	6.52E-06	8.23E-11	1.52E-07	2.21E-07	6.90E-06	3.10E-06	3.62E-05	1.14E-05	8.11E-06	5.89E-05	2.95E-06	6.79E-11	1.52E-07	2.21E-07	3.33E-06

3108	495363.09	3845877.25	6.96E-06	8.73E-11	1.58E-07	2.27E-07	7.34E-06	3.31E-06	3.84E-05	1.19E-05	8.34E-06	6.19E-05	3.15E-06	7.21E-11	1.58E-07	2.27E-07	3.53E-06
3109	495863.09	3845877.25	7.35E-06	9.23E-11	1.61E-07	2.32E-07	7.74E-06	3.49E-06	4.06E-05	1.21E-05	8.52E-06	6.47E-05	3.33E-06	7.62E-11	1.61E-07	2.32E-07	3.72E-06
3110	496363.09	3845877.25	7.66E-06	9.73E-11	1.67E-07	2.39E-07	8.07E-06	3.64E-06	4.28E-05	1.25E-05	8.78E-06	6.78E-05	3.47E-06	8.03E-11	1.67E-07	2.39E-07	3.87E-06
3111	496863.09	3845877.25	7.90E-06	1.02E-10	1.80E-07	2.45E-07	8.33E-06	3.76E-06	4.50E-05	1.35E-05	8.97E-06	7.13E-05	3.57E-06	8.45E-11	1.80E-07	2.45E-07	4.00E-06
3112	497363.09	3845877.25	8.29E-06	1.07E-10	1.99E-07	2.51E-07	8.74E-06	3.94E-06	4.69E-05	1.49E-05	9.22E-06	7.50E-05	3.75E-06	8.80E-11	1.99E-07	2.51E-07	4.20E-06
3113	497863.09	3845877.25	8.80E-06	1.12E-10	2.19E-07	2.59E-07	9.28E-06	4.19E-06	4.91E-05	1.65E-05	9.50E-06	7.93E-05	3.98E-06	9.22E-11	2.19E-07	2.59E-07	4.46E-06
3114	498363.09	3845877.25	9.28E-06	1.17E-10	2.39E-07	2.68E-07	9.78E-06	4.41E-06	5.17E-05	1.79E-05	9.82E-06	8.38E-05	4.20E-06	9.69E-11	2.39E-07	2.68E-07	4.70E-06
3115	471363.09	3846377.25	1.96E-05	2.28E-10	1.20E-07	1.67E-07	1.99E-05	9.32E-06	1.00E-04	8.99E-06	6.13E-06	1.25E-04	8.87E-06	1.88E-10	1.20E-07	1.67E-07	9.16E-06
3116	471863.09	3846377.25	1.86E-05	1.95E-10	1.20E-07	1.66E-07	1.89E-05	8.86E-06	8.57E-05	8.99E-06	6.09E-06	1.10E-04	8.43E-06	1.61E-10	1.20E-07	1.66E-07	8.71E-06
3117	472363.09	3846377.25	1.44E-05	1.42E-10	1.15E-07	1.62E-07	1.47E-05	6.84E-06	6.24E-05	8.61E-06	5.94E-06	8.38E-05	6.51E-06	1.17E-10	1.15E-07	1.62E-07	6.78E-06
3118	472863.09	3846377.25	1.44E-05	1.47E-10	1.20E-07	1.60E-07	1.47E-05	6.84E-06	6.46E-05	8.99E-06	5.87E-06	8.63E-05	6.51E-06	1.21E-10	1.20E-07	1.60E-07	6.79E-06
3119	473363.09	3846377.25	1.43E-05	1.56E-10	1.23E-07	1.58E-07	1.46E-05	6.82E-06	6.87E-05	9.25E-06	5.81E-06	9.05E-05	6.49E-06	1.29E-10	1.23E-07	1.58E-07	6.77E-06
3120	473863.09	3846377.25	1.39E-05	1.85E-10	1.27E-07	1.57E-07	1.42E-05	6.62E-06	8.16E-05	9.50E-06	5.75E-06	1.03E-04	6.29E-06	1.53E-10	1.27E-07	1.57E-07	6.58E-06
3121	474363.09	3846377.25	1.44E-05	2.11E-10	1.27E-07	1.56E-07	1.47E-05	6.84E-06	9.29E-05	9.50E-06	5.71E-06	1.15E-04	6.51E-06	1.74E-10	1.27E-07	1.56E-07	6.79E-06
3122	474863.09	3846377.25	1.64E-05	2.34E-10	1.27E-07	1.58E-07	1.67E-05	7.79E-06	1.03E-04	9.50E-06	5.81E-06	1.26E-04	7.41E-06	1.93E-10	1.27E-07	1.58E-07	7.70E-06
3123	475363.09	3846377.25	1.95E-05	2.39E-10	1.24E-07	1.66E-07	1.98E-05	9.29E-06	1.05E-04	9.31E-06	6.09E-06	1.30E-04	8.84E-06	1.97E-10	1.24E-07	1.66E-07	9.13E-06
3124	475863.09	3846377.25	2.72E-05	2.40E-10	1.23E-07	1.75E-07	2.75E-05	1.29E-05	1.06E-04	9.25E-06	6.41E-06	1.34E-04	1.23E-05	1.98E-10	1.23E-07	1.75E-07	1.26E-05
3125	476363.09	3846377.25	2.73E-05	2.18E-10	1.23E-07	1.75E-07	2.76E-05	1.30E-05	9.61E-05	9.25E-06	6.41E-06	1.25E-04	1.23E-05	1.80E-10	1.23E-07	1.75E-07	1.26E-05
3126	476863.09	3846377.25	2.54E-05	1.90E-10	1.29E-07	1.72E-07	2.57E-05	1.21E-05	8.35E-05	9.70E-06	6.31E-06	1.12E-04	1.15E-05	1.57E-10	1.29E-07	1.72E-07	1.18E-05
3127	477363.09	3846377.25	2.36E-05	1.74E-10	1.45E-07	1.72E-07	2.39E-05	1.12E-05	7.65E-05	1.09E-05	6.31E-06	1.05E-04	1.07E-05	1.44E-10	1.45E-07	1.72E-07	1.10E-05
3128	477863.09	3846377.25	1.65E-05	1.64E-10	1.66E-07	1.73E-07	1.68E-05	7.85E-06	7.21E-05	1.24E-05	6.35E-06	9.88E-05	7.47E-06	1.35E-10	1.66E-07	1.73E-07	7.81E-06
3129	478363.09	3846377.25	1.57E-05	1.55E-10	1.74E-07	1.75E-07	1.60E-05	7.46E-06	6.84E-05	1.31E-05	6.41E-06	9.53E-05	7.09E-06	1.28E-10	1.74E-07	1.75E-07	7.44E-06
3130	478863.09	3846377.25	1.65E-05	1.49E-10	1.68E-07	1.76E-07	1.69E-05	7.85E-06	6.58E-05	1.26E-05	6.44E-06	9.27E-05	7.47E-06	1.23E-10	1.68E-07	1.76E-07	7.81E-06
3131	479363.09	3846377.25	1.44E-05	1.41E-10	1.54E-07	1.77E-07	1.48E-05	6.86E-06	6.21E-05	1.15E-05	6.50E-06	8.70E-05	6.53E-06	1.16E-10	1.54E-07	1.77E-07	6.86E-06
3132	479863.09	3846377.25	1.34E-05	1.33E-10	1.48E-07	1.82E-07	1.37E-05	6.35E-06	5.86E-05	1.11E-05	6.66E-06	8.27E-05	6.05E-06	1.10E-10	1.48E-07	1.82E-07	6.38E-06
3133	480363.09	3846377.25	1.39E-05	1.35E-10	1.47E-07	1.89E-07	1.43E-05	6.62E-06	5.95E-05	1.10E-05	6.95E-06	8.41E-05	6.29E-06	1.12E-10	1.47E-07	1.89E-07	6.63E-06
3134	480863.09	3846377.25	1.13E-05	1.21E-10	1.45E-07	1.95E-07	1.17E-05	5.38E-06	5.32E-05	1.08E-05	7.14E-06	7.66E-05	5.12E-06	9.98E-11	1.45E-07	1.95E-07	5.46E-06
3135	481363.09	3846377.25	1.01E-05	1.13E-10	1.50E-07	1.98E-07	1.04E-05	4.78E-06	4.98E-05	1.12E-05	7.26E-06	7.30E-05	4.55E-06	9.33E-11	1.50E-07	1.98E-07	4.90E-06
3136	481863.09	3846377.25	8.65E-06	1.07E-10	1.57E-07	1.95E-07	9.00E-06	4.11E-06	4.73E-05	1.18E-05	7.14E-06	7.03E-05	3.91E-06	8.86E-11	1.57E-07	1.95E-07	4.26E-06
3137	482363.09	3846377.25	8.14E-06	9.94E-11	1.68E-07	1.89E-07	8.49E-06	3.87E-06	4.38E-05	1.26E-05	6.95E-06	6.72E-05	3.68E-06	8.21E-11	1.68E-07	1.89E-07	4.04E-06
3138	482863.09	3846377.25	6.88E-06	9.08E-11	1.78E-07	1.87E-07	7.24E-06	3.27E-06	4.00E-05	1.33E-05	6.85E-06	6.35E-05	3.11E-06	7.50E-11	1.78E-07	1.87E-07	3.48E-06
3139	483363.09	3846377.25	7.08E-06	9.08E-11	1.92E-07	1.89E-07	7.46E-06	3.36E-06	4.00E-05	1.44E-05	6.91E-06	6.47E-05	3.20E-06	7.50E-11	1.92E-07	1.89E-07	3.58E-06
3140	483863.09	3846377.25	6.92E-06	8.87E-11	2.11E-07	1.90E-07	7.32E-06	3.29E-06	3.91E-05	1.58E-05	6.98E-06	6.51E-05	3.13E-06	7.33E-11	2.11E-07	1.90E-07	3.53E-06
3141	484363.09	3846377.25	6.29E-06	8.37E-11	2.23E-07	1.90E-07	6.70E-06	2.99E-06	3.69E-05	1.67E-05	6.98E-06	6.35E-05	2.85E-06	6.91E-11	2.23E-07	1.90E-07	3.26E-06
3142	484863.09	3846377.25	6.72E-06	8.58E-11	2.30E-07	1.91E-07	7.14E-06	3.20E-06	3.78E-05	1.72E-05	7.01E-06	6.52E-05	3.04E-06	7.09E-11	2.30E-07	1.91E-07	3.46E-06
3143	485363.09	3846377.25	6.56E-06	8.44E-11	2.16E-07	1.89E-07	6.97E-06	3.12E-06	3.72E-05	1.62E-05	6.95E-06	6.34E-05	2.97E-06	6.97E-11	2.16E-07	1.89E-07	3.38E-06
3144	485863.09	3846377.25	5.86E-06	8.01E-11	1.85E-07	1.85E-07	6.23E-06	2.78E-06	3.53E-05	1.38E-05	6.79E-06	5.87E-05	2.65E-06	6.62E-11	1.85E-07	1.85E-07	3.02E-06
3145	486363.09	3846377.25	5.03E-06	7.51E-11	1.61E-07	1.79E-07	5.37E-06	2.39E-06	3.31E-05	1.21E-05	6.57E-06	5.41E-05	2.28E-06	6.20E-11	1.61E-07	1.79E-07	2.62E-06
3146	486863.09	3846377.25	4.80E-06	7.37E-11	1.45E-07	1.77E-07	5.12E-06	2.28E-06	3.24E-05	1.08E-05	6.47E-06	5.20E-05	2.17E-06	6.09E-11	1.45E-07	1.77E-07	2.49E-06
3147	487363.09	3846377.25	4.83E-06	7.15E-11	1.38E-07	1.78E-07	5.15E-06	2.30E-06	3.15E-05	1.03E-05	6.54E-06	5.07E-05	2.19E-06	5.91E-11	1.38E-07	1.78E-07	2.50E-06
3148	487863.09	3846377.25	5.19E-06	7.37E-11	1.42E-07	1.83E-07	5.51E-06	2.47E-06	3.24E-05	1.07E-05	6.73E-06	5.23E-05	2.35E-06	6.09E-11	1.42E-07	1.83E-07	2.67E-06
3149	488363.09	3846377.25	5.15E-06	7.30E-11	1.56E-07	1.85E-07	5.49E-06	2.45E-06	3.21E-05	1.17E-05	6.79E-06	5.30E-05	2.33E-06	6.03E-11	1.56E-07	1.85E-07	2.67E-06
3150	488863.09	3846377.25	4.99E-06	7.22E-11	1.75E-07	1.86E-07	5.35E-06	2.37E-06	3.18E-05	1.31E-05	6.82E-06	5.41E-05	2.26E-06	5.97E-11	1.75E-07	1.86E-07	2.62E-06
3151	489363.09	3846377.25	5.03E-06	7.08E-11	1.92E-07	1.87E-07	5.41E-06	2.39E-06	3.12E-05	1.44E-05	6.85E-06	5.48E-05	2.28E-06	5.85E-11	1.92E-07	1.87E-07	2.66E-06
3152	489863.09	3846377.25	4.95E-06	7.15E-11	1.83E-07	1.87E-07	5.32E-06	2.35E-06	3.15E-05	1.37E-05	6.85E-06	5.44E-05	2.24E-06	5.91E-11	1.83E-07	1.87E-07	2.61E-06
3153	490363.09	3846377.25	4.48E-06	6.72E-11	1.56E-07	1.81E-07	4.82E-06	2.13E-06	2.96E-05	1.17E-05	6.63E-06	5.00E-05	2.03E-06	5.55E-11	1.56E-07	1.81E-07	2.36E-06
3154	490863.09	3846377.25	4.36E-06	6.65E-11	1.50E-07	1.81E-07	4.69E-06	2.07E-06	2.93E-05	1.12E-05	6.63E-06	4.92E-05	1.97E-06	5.49E-11	1.50E-07	1.81E-07	2.30E-06
3155	491363.09	3846377.25	4.44E-06	6.72E-11	1.51E-07	1.84E-07	4.78E-06	2.11E-06	2.96E-05	1.13E-05	6.76E-06	4.98E-05	2.01E-06	5.55E-11	1.51E-07	1.84E-07	2.34E-06
3156	491863.09	3846377.25	5.07E-06	7.37E-11	1.66E-07	1.96E-07	5.43E-06	2.41E-06	3.24E-05	1.24E-05	7.20E-06	5.45E-05	2.29E-06	6.09E-11	1.66E-07	1.96E-07	2.66E-06
3157	492363.09	3846377.25	5.23E-06	7.51E-11	1.66E-07	2.01E-07	5.60E-06	2.49E-06	3.31E-05	1.24E-05	7.39E-06	5.54E-05	2.36E-06	6.20E-11	1.66E-07	2.01E-07	2.73E-06
3158	492863.09	3846377.25	5.46E-06	7.72E-11	1.64E-07	2.09E-07	5.84E-06	2.60E-06	3.40E-05	1.23E-05	7.67E-06	5.66E-05	2.47E-06	6.38E-11	1.64E-07	2.09E-07	2.85E-06
3159	493363.09	3846377.25	5.97E-06	8.15E-11	1.63E-07	2.19E-07	6.36E-06	2.84E-06	3.59E-05	1.22E-05	8.02E-06	5.90E-05	2.70E-06	6.73E-11	1.63E-07	2.19E-07	3.08E-06
3160	493863.09	3846377.25	6.45E-06	8.44E-11	1.58E-07	2.26E-07	6.83E-06	3.06E-06	3.72E-05	1.19E-05	8.30E-06	6.04E-05	2.92E-06	6.97E-11	1.58E-07	2.26E-07	3.30E-06
3161	494363.09	3846377.25	6.92E-06	8.65E-11	1.57E-07	2.32E-07	7.31E-06	3.29E-06	3.81E-05	1.18E-05	8.52E-06	6.17E-05	3.13E-06	7.15E-11	1.57E-07	2.32E-07	3.52E-06
3162	494863.09	3846377.25	7.35E-06	9.08E-11	1.64E-07	2.39E-07	7.75E-06	3.49E-06	4.00E-05	1.23E-05	8.75E-06	6.46E-05	3.33E-06	7.50E-11	1.64E-07	2.39E-07	3.73E-06
3163	495363.09	3846377.25	7.70E-06	9.58E-11	1.67E-07	2.44E-07	8.11E-06	3.66E-06	4.22E-05	1.25E-05	8.94E-06	6.73E-05	3.49E-06	7.92E-11	1.67E-07	2.44E-07	3.90E-06
3164	495863.09	3846377.25	8.10E-06	1.02E-10	1.71E-07	2.51E-07	8.52E-06	3.85E-06	4.50E-05	1.28E-05	9.22E-06	7.09E-05	3.66E-06	8.45E-11	1.71E-07	2.51E-07	4.09E-06
3165	496363.09	3846377.25	8.49E-06	1.09E-10	1.83E-07	2.58E-07	8.93E-06	4.04E-06	4.79E-05	1.37E-05	9.47E-06	7.51E-05	3.84E-06	8.98E-11	1.83E-07	2.58E-07	4.28E-06
3166	496863.09	3846377.25	9.04E-06	1.14E-10	2.02E-07	2.66E-07	9.51E-06	4.30E-06	5.04E-05	1.52E-05	9.76E-06	7.96E-05	4.09E-06	9.45E-11	2.02E-07	2.66E-07	4.56E-06
3167	497363.09	3846377.25	9.63E-06	1.21E-10	2.27E-07	2.74E-07	1.01E-05	4.58E-06	5.32E-05	1.70E-05	1.00E-05	8.49E-05	4.36E-06	9.98E-11	2.27E-07	2.74E-07	4.86E-06
3168	497863.09	3846377.25	1.02E-05	1.27E-10	2.51E-07	2.83E-07	1.08E-05	4.86E-06	5.58E-05	1.88E-05	1.04E-05	8.98E-05	4.62E-06	1.05E-10	2.51E-07	2.83E-07	5.16E-06

3169	498363.09	3846377.25	1.08E-05	1.34E-10	2.70E-07	2.93E-07	1.13E-05	5.12E-06	5.89E-05	2.02E-05	1.07E-05	9.50E-05	4.87E-06	1.10E-10	2.70E-07	2.93E-07	5.43E-06
3170	471363.09	3846877.25	2.21E-05	2.62E-10	1.24E-07	1.71E-07	2.24E-05	1.05E-05	1.15E-04	9.31E-06	6.28E-06	1.41E-04	9.99E-06	2.16E-10	1.24E-07	1.71E-07	1.03E-05
3171	471863.09	3846877.25	2.17E-05	2.53E-10	1.24E-07	1.74E-07	2.20E-05	1.03E-05	1.12E-04	9.31E-06	6.38E-06	1.38E-04	9.83E-06	2.09E-10	1.24E-07	1.74E-07	1.01E-05
3172	472363.09	3846877.25	2.09E-05	2.27E-10	1.25E-07	1.75E-07	2.12E-05	9.94E-06	9.99E-05	9.38E-06	6.41E-06	1.26E-04	9.46E-06	1.87E-10	1.25E-07	1.75E-07	9.76E-06
3173	472863.09	3846877.25	1.54E-05	1.49E-10	1.18E-07	1.69E-07	1.57E-05	7.34E-06	6.58E-05	8.87E-06	6.19E-06	8.82E-05	6.99E-06	1.23E-10	1.18E-07	1.69E-07	7.28E-06
3174	473363.09	3846877.25	1.65E-05	1.63E-10	1.24E-07	1.68E-07	1.68E-05	7.83E-06	7.18E-05	9.31E-06	6.16E-06	9.51E-05	7.45E-06	1.35E-10	1.24E-07	1.68E-07	7.74E-06
3175	473863.09	3846877.25	1.76E-05	1.90E-10	1.30E-07	1.67E-07	1.79E-05	8.35E-06	8.38E-05	9.76E-06	6.13E-06	1.08E-04	7.95E-06	1.57E-10	1.30E-07	1.67E-07	8.25E-06
3176	474363.09	3846877.25	1.64E-05	2.15E-10	1.33E-07	1.64E-07	1.66E-05	7.77E-06	9.45E-05	9.95E-06	6.03E-06	1.18E-04	7.40E-06	1.77E-10	1.33E-07	1.64E-07	7.69E-06
3177	474863.09	3846877.25	1.60E-05	2.38E-10	1.34E-07	1.64E-07	1.63E-05	7.62E-06	1.05E-04	1.00E-05	6.00E-06	1.29E-04	7.25E-06	1.97E-10	1.34E-07	1.64E-07	7.55E-06
3178	475363.09	3846877.25	1.75E-05	2.44E-10	1.32E-07	1.66E-07	1.78E-05	8.30E-06	1.07E-04	9.89E-06	6.09E-06	1.32E-04	7.90E-06	2.01E-10	1.32E-07	1.66E-07	8.19E-06
3179	475863.09	3846877.25	2.17E-05	2.63E-10	1.30E-07	1.76E-07	2.20E-05	1.03E-05	1.16E-04	9.76E-06	6.44E-06	1.42E-04	9.82E-06	2.17E-10	1.30E-07	1.76E-07	1.01E-05
3180	476363.09	3846877.25	2.97E-05	2.57E-10	1.29E-07	1.84E-07	3.00E-05	1.41E-05	1.13E-04	9.70E-06	6.76E-06	1.44E-04	1.34E-05	2.13E-10	1.29E-07	1.84E-07	1.37E-05
3181	476863.09	3846877.25	3.00E-05	2.35E-10	1.29E-07	1.83E-07	3.03E-05	1.42E-05	1.03E-04	9.70E-06	6.73E-06	1.34E-04	1.35E-05	1.94E-10	1.29E-07	1.83E-07	1.39E-05
3182	477363.09	3846877.25	2.85E-05	2.02E-10	1.36E-07	1.82E-07	2.88E-05	1.35E-05	8.91E-05	1.02E-05	6.66E-06	1.20E-04	1.29E-05	1.67E-10	1.36E-07	1.82E-07	1.32E-05
3183	477863.09	3846877.25	2.48E-05	1.87E-10	1.56E-07	1.83E-07	2.51E-05	1.18E-05	8.22E-05	1.17E-05	6.69E-06	1.12E-04	1.12E-05	1.54E-10	1.56E-07	1.83E-07	1.15E-05
3184	478363.09	3846877.25	1.81E-05	1.80E-10	1.83E-07	1.85E-07	1.84E-05	8.60E-06	7.94E-05	1.37E-05	6.79E-06	1.08E-04	8.18E-06	1.49E-10	1.83E-07	1.85E-07	8.55E-06
3185	478863.09	3846877.25	1.91E-05	1.77E-10	1.96E-07	1.87E-07	1.95E-05	9.10E-06	7.81E-05	1.47E-05	6.85E-06	1.09E-04	8.66E-06	1.47E-10	1.96E-07	1.87E-07	9.04E-06
3186	479363.09	3846877.25	1.80E-05	1.60E-10	1.76E-07	1.86E-07	1.83E-05	8.54E-06	7.06E-05	1.32E-05	6.82E-06	9.91E-05	8.13E-06	1.32E-10	1.76E-07	1.86E-07	8.49E-06
3187	479863.09	3846877.25	1.35E-05	1.36E-10	1.55E-07	1.86E-07	1.38E-05	6.41E-06	5.99E-05	1.16E-05	6.82E-06	8.47E-05	6.10E-06	1.12E-10	1.55E-07	1.86E-07	6.44E-06
3188	480363.09	3846877.25	1.18E-05	1.26E-10	1.49E-07	1.92E-07	1.22E-05	5.62E-06	5.54E-05	1.12E-05	7.04E-06	7.93E-05	5.35E-06	1.04E-10	1.49E-07	1.92E-07	5.69E-06
3189	480863.09	3846877.25	1.12E-05	1.19E-10	1.47E-07	1.99E-07	1.15E-05	5.31E-06	5.26E-05	1.10E-05	7.29E-06	7.62E-05	5.05E-06	9.87E-11	1.47E-07	1.99E-07	5.40E-06
3190	481363.09	3846877.25	1.09E-05	1.19E-10	1.51E-07	2.05E-07	1.12E-05	5.18E-06	5.23E-05	1.14E-05	7.51E-06	7.63E-05	4.93E-06	9.81E-11	1.51E-07	2.05E-07	5.28E-06
3191	481863.09	3846877.25	9.71E-06	1.16E-10	1.58E-07	2.04E-07	1.01E-05	4.62E-06	5.10E-05	1.19E-05	7.48E-06	7.50E-05	4.39E-06	9.57E-11	1.58E-07	2.04E-07	4.75E-06
3192	482363.09	3846877.25	8.65E-06	1.05E-10	1.68E-07	1.99E-07	9.01E-06	4.11E-06	4.63E-05	1.26E-05	7.29E-06	7.03E-05	3.91E-06	8.68E-11	1.68E-07	1.99E-07	4.28E-06
3193	482863.09	3846877.25	8.49E-06	1.02E-10	1.82E-07	1.96E-07	8.87E-06	4.04E-06	4.50E-05	1.37E-05	7.20E-06	6.99E-05	3.84E-06	8.45E-11	1.82E-07	1.96E-07	4.22E-06
3194	483363.09	3846877.25	8.25E-06	9.94E-11	1.97E-07	1.97E-07	8.65E-06	3.92E-06	4.38E-05	1.48E-05	7.23E-06	6.97E-05	3.73E-06	8.21E-11	1.97E-07	1.97E-07	4.13E-06
3195	483863.09	3846877.25	8.10E-06	9.73E-11	2.13E-07	2.00E-07	8.51E-06	3.85E-06	4.28E-05	1.60E-05	7.33E-06	7.00E-05	3.66E-06	8.03E-11	2.13E-07	2.00E-07	4.08E-06
3196	484363.09	3846877.25	7.66E-06	9.58E-11	2.32E-07	2.01E-07	8.10E-06	3.64E-06	4.22E-05	1.74E-05	7.39E-06	7.07E-05	3.47E-06	7.92E-11	2.32E-07	2.01E-07	3.90E-06
3197	484863.09	3846877.25	7.43E-06	9.30E-11	2.42E-07	2.01E-07	7.87E-06	3.53E-06	4.10E-05	1.81E-05	7.39E-06	7.00E-05	3.36E-06	7.68E-11	2.42E-07	2.01E-07	3.80E-06
3198	485363.09	3846877.25	7.31E-06	9.16E-11	2.32E-07	2.00E-07	7.74E-06	3.48E-06	4.03E-05	1.74E-05	7.33E-06	6.85E-05	3.31E-06	7.56E-11	2.32E-07	2.00E-07	3.74E-06
3199	485863.09	3846877.25	6.56E-06	8.80E-11	2.01E-07	1.95E-07	6.96E-06	3.12E-06	3.87E-05	1.51E-05	7.17E-06	6.41E-05	2.97E-06	7.27E-11	2.01E-07	1.95E-07	3.37E-06
3200	486363.09	3846877.25	6.56E-06	9.01E-11	1.79E-07	1.94E-07	6.94E-06	3.12E-06	3.97E-05	1.35E-05	7.10E-06	6.34E-05	2.97E-06	7.44E-11	1.79E-07	1.94E-07	3.34E-06
3201	486863.09	3846877.25	5.78E-06	8.37E-11	1.61E-07	1.90E-07	6.13E-06	2.75E-06	3.69E-05	1.21E-05	6.98E-06	5.86E-05	2.61E-06	6.91E-11	1.61E-07	1.90E-07	2.97E-06
3202	487363.09	3846877.25	5.82E-06	8.15E-11	1.51E-07	1.92E-07	6.16E-06	2.77E-06	3.59E-05	1.13E-05	7.04E-06	5.70E-05	2.63E-06	6.73E-11	1.51E-07	1.92E-07	2.97E-06
3203	487863.09	3846877.25	5.78E-06	7.94E-11	1.53E-07	1.93E-07	6.12E-06	2.75E-06	3.50E-05	1.15E-05	7.07E-06	5.63E-05	2.61E-06	6.56E-11	1.53E-07	1.93E-07	2.96E-06
3204	488363.09	3846877.25	5.58E-06	7.87E-11	1.64E-07	1.95E-07	5.94E-06	2.65E-06	3.47E-05	1.23E-05	7.14E-06	5.67E-05	2.52E-06	6.50E-11	1.64E-07	1.95E-07	2.88E-06
3205	488863.09	3846877.25	5.50E-06	7.80E-11	1.85E-07	1.97E-07	5.88E-06	2.62E-06	3.43E-05	1.38E-05	7.23E-06	5.80E-05	2.49E-06	6.44E-11	1.85E-07	1.97E-07	2.87E-06
3206	489363.09	3846877.25	5.62E-06	7.80E-11	2.02E-07	1.99E-07	6.02E-06	2.67E-06	3.43E-05	1.52E-05	7.29E-06	5.95E-05	2.54E-06	6.44E-11	2.02E-07	1.99E-07	2.94E-06
3207	489863.09	3846877.25	5.46E-06	7.87E-11	2.08E-07	2.00E-07	5.87E-06	2.60E-06	3.47E-05	1.56E-05	7.33E-06	6.01E-05	2.47E-06	6.50E-11	2.08E-07	2.00E-07	2.88E-06
3208	490363.09	3846877.25	4.99E-06	7.51E-11	1.82E-07	1.97E-07	5.37E-06	2.37E-06	3.31E-05	1.37E-05	7.23E-06	5.63E-05	2.26E-06	6.20E-11	1.82E-07	1.97E-07	2.64E-06
3209	490863.09	3846877.25	4.99E-06	7.44E-11	1.71E-07	1.98E-07	5.36E-06	2.37E-06	3.28E-05	1.28E-05	7.26E-06	5.52E-05	2.26E-06	6.14E-11	1.71E-07	1.98E-07	2.63E-06
3210	491363.09	3846877.25	5.27E-06	7.65E-11	1.69E-07	2.04E-07	5.64E-06	2.50E-06	3.37E-05	1.27E-05	7.48E-06	5.64E-05	2.38E-06	6.32E-11	1.69E-07	2.04E-07	2.76E-06
3211	491863.09	3846877.25	5.42E-06	7.72E-11	1.70E-07	2.08E-07	5.80E-06	2.58E-06	3.40E-05	1.28E-05	7.64E-06	5.70E-05	2.45E-06	6.38E-11	1.70E-07	2.08E-07	2.83E-06
3212	492363.09	3846877.25	6.05E-06	8.44E-11	1.81E-07	2.22E-07	6.46E-06	2.88E-06	3.72E-05	1.36E-05	8.15E-06	6.18E-05	2.74E-06	6.97E-11	1.81E-07	2.22E-07	3.14E-06
3213	492863.09	3846877.25	6.33E-06	8.65E-11	1.75E-07	2.30E-07	6.73E-06	3.01E-06	3.81E-05	1.31E-05	8.43E-06	6.27E-05	2.86E-06	7.15E-11	1.75E-07	2.30E-07	3.27E-06
3214	493363.09	3846877.25	6.88E-06	9.01E-11	1.70E-07	2.39E-07	7.29E-06	3.27E-06	3.97E-05	1.28E-05	8.75E-06	6.45E-05	3.11E-06	7.44E-11	1.70E-07	2.39E-07	3.52E-06
3215	493863.09	3846877.25	7.31E-06	9.23E-11	1.68E-07	2.45E-07	7.72E-06	3.48E-06	4.06E-05	1.26E-05	8.97E-06	6.57E-05	3.31E-06	7.62E-11	1.68E-07	2.45E-07	3.72E-06
3216	494363.09	3846877.25	7.74E-06	9.51E-11	1.69E-07	2.51E-07	8.16E-06	3.68E-06	4.19E-05	1.27E-05	9.19E-06	6.75E-05	3.50E-06	7.86E-11	1.69E-07	2.51E-07	3.92E-06
3217	494863.09	3846877.25	8.10E-06	1.00E-10	1.73E-07	2.56E-07	8.53E-06	3.85E-06	4.41E-05	1.29E-05	9.38E-06	7.03E-05	3.66E-06	8.27E-11	1.73E-07	2.56E-07	4.09E-06
3218	495363.09	3846877.25	8.37E-06	1.06E-10	1.76E-07	2.63E-07	8.81E-06	3.98E-06	4.66E-05	1.32E-05	9.63E-06	7.34E-05	3.79E-06	8.74E-11	1.76E-07	2.63E-07	4.23E-06
3219	495863.09	3846877.25	8.73E-06	1.12E-10	1.85E-07	2.70E-07	9.18E-06	4.15E-06	4.91E-05	1.39E-05	9.91E-06	7.71E-05	3.95E-06	9.22E-11	1.85E-07	2.70E-07	4.40E-06
3220	496363.09	3846877.25	9.32E-06	1.18E-10	2.05E-07	2.79E-07	9.80E-06	4.43E-06	5.20E-05	1.54E-05	1.02E-05	8.20E-05	4.21E-06	9.75E-11	2.05E-07	2.79E-07	4.70E-06
3221	496863.09	3846877.25	1.01E-05	1.25E-10	2.29E-07	2.88E-07	1.06E-05	4.80E-06	5.51E-05	1.72E-05	1.06E-05	8.77E-05	4.57E-06	1.03E-10	2.29E-07	2.88E-07	5.09E-06
3222	497363.09	3846877.25	1.11E-05	1.35E-10	2.58E-07	3.00E-07	1.16E-05	5.27E-06	5.95E-05	1.93E-05	1.10E-05	9.51E-05	5.01E-06	1.12E-10	2.58E-07	3.00E-07	5.57E-06
3223	497863.09	3846877.25	1.21E-05	1.45E-10	2.89E-07	3.10E-07	1.27E-05	5.76E-06	6.39E-05	2.17E-05	1.14E-05	1.03E-04	5.48E-06	1.20E-10	2.89E-07	3.10E-07	6.08E-06
3224	498363.09	3846877.25	1.27E-05	1.52E-10	3.07E-07	3.20E-07	1.33E-05	6.04E-06	6.68E-05	2.30E-05	1.17E-05	1.08E-04	5.74E-06	1.25E-10	3.07E-07	3.20E-07	6.37E-06
3225	471363.09	3847377.25	2.35E-05	2.83E-10	1.34E-07	1.77E-07	2.38E-05	1.12E-05	1.24E-04	1.00E-05	6.47E-06	1.52E-04	1.06E-05	2.33E-10	1.34E-07	1.77E-07	1.09E-05
3226	471863.09	3847377.25	2.41E-05	2.85E-10	1.30E-07	1.79E-07	2.44E-05	1.14E-05	1.25E-04	9.76E-06	6.57E-06	1.53E-04	1.09E-05	2.35E-10	1.30E-07	1.79E-07	1.12E-05
3227	472363.09	3847377.25	2.40E-05	2.78E-10	1.29E-07	1.82E-07	2.43E-05	1.14E-05	1.22E-04	9.70E-06	6.66E-06	1.50E-04	1.09E-05	2.29E-10	1.29E-07	1.82E-07	1.12E-05
3228	472863.09	3847377.25	2.31E-05	2.50E-10	1.29E-07	1.83E-07	2.34E-05	1.10E-05	1.10E-04	9.70E-06	6.69E-06	1.38E-04	1.04E-05	2.07E-10	1.29E-07	1.83E-07	1.07E-05
3229	473363.09	3847377.25	2.00E-05	1.91E-10	1.27E-07	1.79E-07	2.04E-05	9.53E-06	8.41E-05	9.50E-06	6.57E-06	1.10E-04	9.07E-06	1.58E-10	1.27E-07	1.79E-07	9.37E-06

3230	473863.09	3847377.25	1.98E-05	1.92E-10	1.30E-07	1.77E-07	2.01E-05	9.42E-06	8.47E-05	9.76E-06	6.50E-06	1.10E-04	8.96E-06	1.59E-10	1.30E-07	1.77E-07	9.27E-06
3231	474363.09	3847377.25	2.04E-05	2.22E-10	1.36E-07	1.76E-07	2.07E-05	9.70E-06	9.77E-05	1.02E-05	6.44E-06	1.24E-04	9.23E-06	1.83E-10	1.36E-07	1.76E-07	9.54E-06
3232	474863.09	3847377.25	1.88E-05	2.40E-10	1.39E-07	1.73E-07	1.91E-05	8.95E-06	1.06E-04	1.04E-05	6.35E-06	1.31E-04	8.52E-06	1.98E-10	1.39E-07	1.73E-07	8.83E-06
3233	475363.09	3847377.25	1.72E-05	2.50E-10	1.39E-07	1.71E-07	1.75E-05	8.19E-06	1.10E-04	1.04E-05	6.28E-06	1.35E-04	7.79E-06	2.07E-10	1.39E-07	1.71E-07	8.10E-06
3234	475863.09	3847377.25	2.00E-05	2.88E-10	1.39E-07	1.77E-07	2.04E-05	9.53E-06	1.27E-04	1.04E-05	6.47E-06	1.53E-04	9.07E-06	2.38E-10	1.39E-07	1.77E-07	9.38E-06
3235	476363.09	3847377.25	2.55E-05	3.14E-10	1.38E-07	1.89E-07	2.59E-05	1.21E-05	1.38E-04	1.03E-05	6.95E-06	1.68E-04	1.16E-05	2.59E-10	1.38E-07	1.89E-07	1.19E-05
3236	476863.09	3847377.25	3.29E-05	2.81E-10	1.35E-07	1.95E-07	3.32E-05	1.56E-05	1.24E-04	1.01E-05	7.14E-06	1.57E-04	1.49E-05	2.32E-10	1.35E-07	1.95E-07	1.52E-05
3237	477363.09	3847377.25	3.40E-05	2.59E-10	1.36E-07	1.94E-07	3.43E-05	1.62E-05	1.14E-04	1.02E-05	7.10E-06	1.48E-04	1.54E-05	2.14E-10	1.36E-07	1.94E-07	1.57E-05
3238	477863.09	3847377.25	3.17E-05	2.22E-10	1.44E-07	1.93E-07	3.21E-05	1.51E-05	9.77E-05	1.08E-05	7.07E-06	1.31E-04	1.43E-05	1.83E-10	1.44E-07	1.93E-07	1.47E-05
3239	478363.09	3847377.25	2.71E-05	2.14E-10	1.70E-07	1.97E-07	2.75E-05	1.29E-05	9.42E-05	1.28E-05	7.23E-06	1.27E-04	1.23E-05	1.77E-10	1.70E-07	1.97E-07	1.26E-05
3240	478863.09	3847377.25	2.11E-05	2.11E-10	2.31E-07	2.13E-07	2.16E-05	1.00E-05	9.29E-05	1.73E-05	7.80E-06	1.28E-04	9.55E-06	1.74E-10	2.31E-07	2.13E-07	9.99E-06
3241	479363.09	3847377.25	1.93E-05	1.68E-10	2.11E-07	1.97E-07	1.97E-05	9.16E-06	7.40E-05	1.58E-05	7.23E-06	1.06E-04	8.71E-06	1.39E-10	2.11E-07	1.97E-07	9.12E-06
3242	479863.09	3847377.25	1.38E-05	1.34E-10	1.68E-07	1.92E-07	1.41E-05	6.54E-06	5.92E-05	1.26E-05	7.04E-06	8.54E-05	6.22E-06	1.11E-10	1.68E-07	1.92E-07	6.58E-06
3243	480363.09	3847377.25	9.28E-06	1.13E-10	1.52E-07	1.95E-07	9.62E-06	4.41E-06	4.98E-05	1.14E-05	7.17E-06	7.28E-05	4.20E-06	9.33E-11	1.52E-07	1.95E-07	4.54E-06
3244	480863.09	3847377.25	8.73E-06	1.07E-10	1.50E-07	2.01E-07	9.08E-06	4.15E-06	4.73E-05	1.12E-05	7.36E-06	7.00E-05	3.95E-06	8.86E-11	1.50E-07	2.01E-07	4.30E-06
3245	481363.09	3847377.25	9.47E-06	1.11E-10	1.51E-07	2.08E-07	9.83E-06	4.50E-06	4.88E-05	1.13E-05	7.64E-06	7.23E-05	4.29E-06	9.16E-11	1.51E-07	2.08E-07	4.64E-06
3246	481863.09	3847377.25	1.10E-05	1.24E-10	1.61E-07	2.14E-07	1.14E-05	5.25E-06	5.48E-05	1.21E-05	7.86E-06	8.00E-05	5.00E-06	1.03E-10	1.61E-07	2.14E-07	5.37E-06
3247	482363.09	3847377.25	1.02E-05	1.20E-10	1.71E-07	2.11E-07	1.06E-05	4.86E-06	5.29E-05	1.28E-05	7.74E-06	7.83E-05	4.62E-06	9.93E-11	1.71E-07	2.11E-07	5.01E-06
3248	482863.09	3847377.25	9.75E-06	1.14E-10	1.85E-07	2.08E-07	1.01E-05	4.63E-06	5.01E-05	1.38E-05	7.61E-06	7.62E-05	4.41E-06	9.39E-11	1.85E-07	2.08E-07	4.80E-06
3249	483363.09	3847377.25	9.24E-06	1.08E-10	1.99E-07	2.07E-07	9.64E-06	4.39E-06	4.76E-05	1.49E-05	7.58E-06	7.45E-05	4.18E-06	8.92E-11	1.99E-07	2.07E-07	4.58E-06
3250	483863.09	3847377.25	9.24E-06	1.06E-10	2.21E-07	2.09E-07	9.67E-06	4.39E-06	4.66E-05	1.66E-05	7.67E-06	7.53E-05	4.18E-06	8.74E-11	2.21E-07	2.09E-07	4.61E-06
3251	484363.09	3847377.25	9.04E-06	1.07E-10	2.52E-07	2.13E-07	9.50E-06	4.30E-06	4.69E-05	1.89E-05	7.80E-06	7.79E-05	4.09E-06	8.80E-11	2.52E-07	2.13E-07	4.55E-06
3252	484863.09	3847377.25	8.65E-06	1.03E-10	2.68E-07	2.14E-07	9.13E-06	4.11E-06	4.54E-05	2.01E-05	7.83E-06	7.74E-05	3.91E-06	8.51E-11	2.68E-07	2.14E-07	4.39E-06
3253	485363.09	3847377.25	8.37E-06	1.01E-10	2.57E-07	2.12E-07	8.84E-06	3.98E-06	4.44E-05	1.93E-05	7.77E-06	7.54E-05	3.79E-06	8.33E-11	2.57E-07	2.12E-07	4.26E-06
3254	485863.09	3847377.25	7.86E-06	9.87E-11	2.28E-07	2.08E-07	8.30E-06	3.74E-06	4.35E-05	1.71E-05	7.64E-06	7.19E-05	3.56E-06	8.15E-11	2.28E-07	2.08E-07	3.99E-06
3255	486363.09	3847377.25	7.55E-06	1.00E-10	1.95E-07	2.06E-07	7.95E-06	3.59E-06	4.41E-05	1.46E-05	7.55E-06	6.98E-05	3.41E-06	8.27E-11	1.95E-07	2.06E-07	3.81E-06
3256	486863.09	3847377.25	6.92E-06	9.51E-11	1.74E-07	2.04E-07	7.30E-06	3.29E-06	4.19E-05	1.31E-05	7.48E-06	6.57E-05	3.13E-06	7.86E-11	1.74E-07	2.04E-07	3.51E-06
3257	487363.09	3847377.25	6.92E-06	9.30E-11	1.62E-07	2.06E-07	7.29E-06	3.29E-06	4.10E-05	1.21E-05	7.55E-06	6.39E-05	3.13E-06	7.68E-11	1.62E-07	2.06E-07	3.50E-06
3258	487863.09	3847377.25	6.49E-06	8.73E-11	1.62E-07	2.06E-07	6.85E-06	3.08E-06	3.84E-05	1.21E-05	7.55E-06	6.12E-05	2.93E-06	7.21E-11	1.62E-07	2.06E-07	3.30E-06
3259	488363.09	3847377.25	6.25E-06	8.58E-11	1.80E-07	2.08E-07	6.64E-06	2.97E-06	3.78E-05	1.35E-05	7.61E-06	6.19E-05	2.83E-06	7.09E-11	1.80E-07	2.08E-07	3.22E-06
3260	488863.09	3847377.25	6.21E-06	8.58E-11	2.05E-07	2.10E-07	6.63E-06	2.95E-06	3.78E-05	1.54E-05	7.70E-06	6.38E-05	2.81E-06	7.09E-11	2.05E-07	2.10E-07	3.22E-06
3261	489363.09	3847377.25	6.29E-06	8.58E-11	2.24E-07	2.12E-07	6.72E-06	2.99E-06	3.78E-05	1.68E-05	7.77E-06	6.53E-05	2.85E-06	7.09E-11	2.24E-07	2.12E-07	3.28E-06
3262	489863.09	3847377.25	5.97E-06	8.58E-11	2.16E-07	2.14E-07	6.40E-06	2.84E-06	3.78E-05	1.62E-05	7.83E-06	6.47E-05	2.70E-06	7.09E-11	2.16E-07	2.14E-07	3.13E-06
3263	490363.09	3847377.25	5.70E-06	8.37E-11	1.96E-07	2.14E-07	6.11E-06	2.71E-06	3.69E-05	1.47E-05	7.86E-06	6.21E-05	2.58E-06	6.91E-11	1.96E-07	2.14E-07	2.99E-06
3264	490863.09	3847377.25	5.94E-06	8.51E-11	1.91E-07	2.20E-07	6.35E-06	2.82E-06	3.75E-05	1.44E-05	8.08E-06	6.27E-05	2.69E-06	7.03E-11	1.91E-07	2.20E-07	3.10E-06
3265	491363.09	3847377.25	6.21E-06	8.65E-11	1.90E-07	2.26E-07	6.63E-06	2.95E-06	3.81E-05	1.42E-05	8.27E-06	6.36E-05	2.81E-06	7.15E-11	1.90E-07	2.26E-07	3.22E-06
3266	491863.09	3847377.25	6.76E-06	9.16E-11	2.00E-07	2.35E-07	7.20E-06	3.21E-06	4.03E-05	1.50E-05	8.62E-06	6.71E-05	3.06E-06	7.56E-11	2.00E-07	2.35E-07	3.49E-06
3267	492363.09	3847377.25	6.92E-06	9.30E-11	1.96E-07	2.42E-07	7.36E-06	3.29E-06	4.10E-05	1.47E-05	8.87E-06	6.78E-05	3.13E-06	7.68E-11	1.96E-07	2.42E-07	3.57E-06
3268	492863.09	3847377.25	7.43E-06	9.66E-11	1.90E-07	2.51E-07	7.87E-06	3.53E-06	4.25E-05	1.42E-05	9.22E-06	6.95E-05	3.36E-06	7.98E-11	1.90E-07	2.51E-07	3.80E-06
3269	493363.09	3847377.25	7.86E-06	9.87E-11	1.79E-07	2.59E-07	8.30E-06	3.74E-06	4.35E-05	1.35E-05	9.50E-06	7.02E-05	3.56E-06	8.15E-11	1.79E-07	2.59E-07	4.00E-06
3270	493863.09	3847377.25	8.14E-06	1.00E-10	1.75E-07	2.64E-07	8.58E-06	3.87E-06	4.41E-05	1.31E-05	9.69E-06	7.08E-05	3.68E-06	8.27E-11	1.75E-07	2.64E-07	4.12E-06
3271	494363.09	3847377.25	8.37E-06	1.04E-10	1.77E-07	2.69E-07	8.82E-06	3.98E-06	4.57E-05	1.33E-05	9.85E-06	7.28E-05	3.79E-06	8.57E-11	1.77E-07	2.69E-07	4.23E-06
3272	494863.09	3847377.25	8.61E-06	1.09E-10	1.80E-07	2.75E-07	9.06E-06	4.09E-06	4.79E-05	1.35E-05	1.01E-05	7.56E-05	3.89E-06	8.98E-11	1.80E-07	2.75E-07	4.35E-06
3273	495363.09	3847377.25	8.96E-06	1.14E-10	1.88E-07	2.82E-07	9.43E-06	4.26E-06	5.04E-05	1.41E-05	1.04E-05	7.91E-05	4.05E-06	9.45E-11	1.88E-07	2.82E-07	4.52E-06
3274	495863.09	3847377.25	9.55E-06	1.21E-10	2.07E-07	2.92E-07	1.01E-05	4.54E-06	5.32E-05	1.55E-05	1.07E-05	8.40E-05	4.32E-06	9.98E-11	2.07E-07	2.92E-07	4.82E-06
3275	496363.09	3847377.25	1.02E-05	1.27E-10	2.30E-07	3.01E-07	1.08E-05	4.86E-06	5.61E-05	1.72E-05	1.11E-05	8.92E-05	4.62E-06	1.05E-10	2.30E-07	3.01E-07	5.15E-06
3276	496863.09	3847377.25	1.12E-05	1.36E-10	2.54E-07	3.13E-07	1.18E-05	5.34E-06	5.99E-05	1.91E-05	1.15E-05	9.57E-05	5.09E-06	1.12E-10	2.54E-07	3.13E-07	5.65E-06
3277	497363.09	3847377.25	1.25E-05	1.49E-10	2.85E-07	3.27E-07	1.32E-05	5.96E-06	6.55E-05	2.14E-05	1.20E-05	1.05E-04	5.67E-06	1.23E-10	2.85E-07	3.27E-07	6.28E-06
3278	497863.09	3847377.25	1.42E-05	1.65E-10	3.21E-07	3.40E-07	1.49E-05	6.76E-06	7.25E-05	2.40E-05	1.25E-05	1.16E-04	6.44E-06	1.36E-10	3.21E-07	3.40E-07	7.10E-06
3279	498363.09	3847377.25	1.53E-05	1.73E-10	3.40E-07	3.51E-07	1.60E-05	7.27E-06	7.62E-05	2.55E-05	1.29E-05	1.22E-04	6.92E-06	1.43E-10	3.40E-07	3.51E-07	7.61E-06
3280	471363.09	3847877.25	2.60E-05	3.02E-10	1.40E-07	1.83E-07	2.63E-05	1.24E-05	1.33E-04	1.05E-05	6.69E-06	1.63E-04	1.18E-05	2.49E-10	1.40E-07	1.83E-07	1.21E-05
3281	471863.09	3847877.25	2.59E-05	3.09E-10	1.40E-07	1.85E-07	2.62E-05	1.23E-05	1.36E-04	1.05E-05	6.79E-06	1.66E-04	1.17E-05	2.55E-10	1.40E-07	1.85E-07	1.20E-05
3282	472363.09	3847877.25	2.62E-05	3.12E-10	1.38E-07	1.87E-07	2.65E-05	1.25E-05	1.37E-04	1.03E-05	6.85E-06	1.67E-04	1.19E-05	2.58E-10	1.38E-07	1.87E-07	1.22E-05
3283	472863.09	3847877.25	2.65E-05	3.05E-10	1.34E-07	1.89E-07	2.68E-05	1.26E-05	1.34E-04	1.01E-05	6.91E-06	1.64E-04	1.20E-05	2.52E-10	1.34E-07	1.89E-07	1.23E-05
3284	473363.09	3847877.25	2.63E-05	2.95E-10	1.33E-07	1.90E-07	2.66E-05	1.25E-05	1.30E-04	9.95E-06	6.98E-06	1.59E-04	1.19E-05	2.43E-10	1.33E-07	1.90E-07	1.22E-05
3285	473863.09	3847877.25	2.54E-05	2.63E-10	1.35E-07	1.91E-07	2.57E-05	1.21E-05	1.16E-04	1.01E-05	7.01E-06	1.45E-04	1.15E-05	2.17E-10	1.35E-07	1.91E-07	1.18E-05
3286	474363.09	3847877.25	2.28E-05	2.18E-10	1.36E-07	1.88E-07	2.31E-05	1.08E-05	9.61E-05	1.02E-05	6.88E-06	1.24E-04	1.03E-05	1.80E-10	1.36E-07	1.88E-07	1.06E-05
3287	474863.09	3847877.25	2.33E-05	2.52E-10	1.42E-07	1.85E-07	2.36E-05	1.11E-05	1.11E-04	1.07E-05	6.79E-06	1.39E-04	1.05E-05	2.08E-10	1.42E-07	1.85E-07	1.09E-05
3288	475363.09	3847877.25	2.15E-05	2.65E-10	1.45E-07	1.83E-07	2.19E-05	1.02E-05	1.17E-04	1.08E-05	6.69E-06	1.44E-04	9.74E-06	2.19E-10	1.45E-07	1.83E-07	1.01E-05
3289	475863.09	3847877.25	1.91E-05	2.74E-10	1.45E-07	1.81E-07	1.95E-05	9.10E-06	1.21E-04	1.09E-05	6.63E-06	1.47E-04	8.66E-06	2.26E-10	1.45E-07	1.81E-07	8.99E-06
3290	476363.09	3847877.25	2.32E-05	3.52E-10	1.46E-07	1.89E-07	2.35E-05	1.10E-05	1.55E-04	1.10E-05	6.95E-06	1.84E-04	1.05E-05	2.91E-10	1.46E-07	1.89E-07	1.08E-05

3291	476863.09	3847877.25	2.82E-05	3.44E-10	1.44E-07	2.01E-07	2.86E-05	1.34E-05	1.52E-04	1.08E-05	7.39E-06	1.83E-04	1.28E-05	2.84E-10	1.44E-07	2.01E-07	1.31E-05
3292	477363.09	3847877.25	3.74E-05	3.21E-10	1.42E-07	2.07E-07	3.78E-05	1.78E-05	1.41E-04	1.07E-05	7.58E-06	1.77E-04	1.69E-05	2.65E-10	1.42E-07	2.07E-07	1.73E-05
3293	477863.09	3847877.25	3.85E-05	2.81E-10	1.43E-07	2.06E-07	3.88E-05	1.83E-05	1.24E-04	1.07E-05	7.55E-06	1.60E-04	1.74E-05	2.32E-10	1.43E-07	2.06E-07	1.78E-05
3294	478363.09	3847877.25	3.60E-05	2.47E-10	1.53E-07	2.08E-07	3.64E-05	1.71E-05	1.09E-04	1.15E-05	7.61E-06	1.45E-04	1.63E-05	2.04E-10	1.53E-07	2.08E-07	1.66E-05
3295	478863.09	3847877.25	2.92E-05	2.35E-10	2.00E-07	2.28E-07	2.96E-05	1.39E-05	1.04E-04	1.50E-05	8.37E-06	1.41E-04	1.32E-05	1.94E-10	2.00E-07	2.28E-07	1.36E-05
3296	479363.09	3847877.25	1.84E-05	1.75E-10	2.05E-07	2.06E-07	1.88E-05	8.75E-06	7.72E-05	1.54E-05	7.55E-06	1.09E-04	8.32E-06	1.45E-10	2.05E-07	2.06E-07	8.73E-06
3297	479863.09	3847877.25	1.17E-05	1.24E-10	1.56E-07	1.97E-07	1.21E-05	5.57E-06	5.48E-05	1.17E-05	7.23E-06	7.93E-05	5.30E-06	1.03E-10	1.56E-07	1.97E-07	5.65E-06
3298	480363.09	3847877.25	1.14E-05	1.27E-10	1.61E-07	2.03E-07	1.18E-05	5.42E-06	5.58E-05	1.21E-05	7.45E-06	8.07E-05	5.16E-06	1.05E-10	1.61E-07	2.03E-07	5.52E-06
3299	480863.09	3847877.25	1.01E-05	1.20E-10	1.58E-07	2.10E-07	1.05E-05	4.82E-06	5.29E-05	1.19E-05	7.70E-06	7.73E-05	4.59E-06	9.93E-11	1.58E-07	2.10E-07	4.96E-06
3300	481363.09	3847877.25	1.05E-05	1.20E-10	1.58E-07	2.17E-07	1.09E-05	4.99E-06	5.29E-05	1.19E-05	7.96E-06	7.77E-05	4.75E-06	9.93E-11	1.58E-07	2.17E-07	5.12E-06
3301	481863.09	3847877.25	1.36E-05	1.41E-10	1.71E-07	2.26E-07	1.40E-05	6.47E-06	6.21E-05	1.28E-05	8.30E-06	8.96E-05	6.15E-06	1.16E-10	1.71E-07	2.26E-07	6.55E-06
3302	482363.09	3847877.25	1.21E-05	1.35E-10	1.75E-07	2.23E-07	1.25E-05	5.77E-06	5.95E-05	1.31E-05	8.18E-06	8.66E-05	5.49E-06	1.12E-10	1.75E-07	2.23E-07	5.89E-06
3303	482863.09	3847877.25	1.10E-05	1.24E-10	1.85E-07	2.19E-07	1.14E-05	5.21E-06	5.48E-05	1.39E-05	8.02E-06	8.19E-05	4.96E-06	1.03E-10	1.85E-07	2.19E-07	5.37E-06
3304	483363.09	3847877.25	1.05E-05	1.20E-10	2.02E-07	2.19E-07	1.09E-05	4.99E-06	5.29E-05	1.51E-05	8.02E-06	8.10E-05	4.75E-06	9.93E-11	2.02E-07	2.19E-07	5.17E-06
3305	483863.09	3847877.25	1.08E-05	1.17E-10	2.23E-07	2.22E-07	1.13E-05	5.14E-06	5.17E-05	1.67E-05	8.15E-06	8.17E-05	4.89E-06	9.69E-11	2.23E-07	2.22E-07	5.34E-06
3306	484363.09	3847877.25	1.05E-05	1.17E-10	2.54E-07	2.26E-07	1.09E-05	4.97E-06	5.17E-05	1.91E-05	8.30E-06	8.40E-05	4.73E-06	9.69E-11	2.54E-07	2.26E-07	5.21E-06
3307	484863.09	3847877.25	1.01E-05	1.16E-10	2.85E-07	2.28E-07	1.06E-05	4.80E-06	5.10E-05	2.14E-05	8.37E-06	8.56E-05	4.57E-06	9.57E-11	2.85E-07	2.28E-07	5.08E-06
3308	485363.09	3847877.25	1.01E-05	1.15E-10	2.87E-07	2.27E-07	1.06E-05	4.80E-06	5.07E-05	2.16E-05	8.34E-06	8.54E-05	4.57E-06	9.51E-11	2.87E-07	2.27E-07	5.08E-06
3309	485863.09	3847877.25	9.39E-06	1.12E-10	2.61E-07	2.24E-07	9.88E-06	4.47E-06	4.95E-05	1.96E-05	8.21E-06	8.17E-05	4.25E-06	9.28E-11	2.61E-07	2.24E-07	4.73E-06
3310	486363.09	3847877.25	8.41E-06	1.09E-10	2.11E-07	2.20E-07	8.84E-06	4.00E-06	4.79E-05	1.58E-05	8.05E-06	7.57E-05	3.81E-06	8.98E-11	2.11E-07	2.20E-07	4.24E-06
3311	486863.09	3847877.25	8.10E-06	1.07E-10	1.88E-07	2.18E-07	8.50E-06	3.85E-06	4.69E-05	1.41E-05	7.99E-06	7.29E-05	3.66E-06	8.80E-11	1.88E-07	2.18E-07	4.07E-06
3312	487363.09	3847877.25	7.78E-06	1.01E-10	1.72E-07	2.20E-07	8.17E-06	3.70E-06	4.44E-05	1.29E-05	8.05E-06	6.91E-05	3.52E-06	8.33E-11	1.72E-07	2.20E-07	3.91E-06
3313	487863.09	3847877.25	7.35E-06	9.58E-11	1.71E-07	2.20E-07	7.74E-06	3.49E-06	4.22E-05	1.28E-05	8.05E-06	6.66E-05	3.33E-06	7.92E-11	1.71E-07	2.20E-07	3.72E-06
3314	488363.09	3847877.25	7.08E-06	9.51E-11	1.91E-07	2.21E-07	7.49E-06	3.36E-06	4.19E-05	1.43E-05	8.11E-06	6.77E-05	3.20E-06	7.86E-11	1.91E-07	2.21E-07	3.61E-06
3315	488863.09	3847877.25	7.11E-06	9.66E-11	2.17E-07	2.25E-07	7.56E-06	3.38E-06	4.25E-05	1.63E-05	8.24E-06	7.04E-05	3.22E-06	7.98E-11	2.17E-07	2.25E-07	3.66E-06
3316	489363.09	3847877.25	7.11E-06	9.66E-11	2.36E-07	2.28E-07	7.58E-06	3.38E-06	4.25E-05	1.77E-05	8.37E-06	7.19E-05	3.22E-06	7.98E-11	2.36E-07	2.28E-07	3.68E-06
3317	489863.09	3847877.25	7.27E-06	1.01E-10	2.35E-07	2.33E-07	7.74E-06	3.46E-06	4.44E-05	1.76E-05	8.56E-06	7.40E-05	3.29E-06	8.33E-11	2.35E-07	2.33E-07	3.76E-06
3318	490363.09	3847877.25	7.31E-06	1.02E-10	2.18E-07	2.39E-07	7.77E-06	3.48E-06	4.47E-05	1.63E-05	8.78E-06	7.33E-05	3.31E-06	8.39E-11	2.18E-07	2.39E-07	3.76E-06
3319	490863.09	3847877.25	7.51E-06	1.02E-10	2.08E-07	2.45E-07	7.96E-06	3.57E-06	4.47E-05	1.56E-05	8.97E-06	7.28E-05	3.40E-06	8.39E-11	2.08E-07	2.45E-07	3.85E-06
3320	491363.09	3847877.25	7.55E-06	1.01E-10	2.09E-07	2.50E-07	8.01E-06	3.59E-06	4.44E-05	1.57E-05	9.16E-06	7.29E-05	3.41E-06	8.33E-11	2.09E-07	2.50E-07	3.87E-06
3321	491863.09	3847877.25	7.86E-06	1.03E-10	2.10E-07	2.59E-07	8.33E-06	3.74E-06	4.54E-05	1.58E-05	9.50E-06	7.44E-05	3.56E-06	8.51E-11	2.10E-07	2.59E-07	4.03E-06
3322	492363.09	3847877.25	8.25E-06	1.06E-10	2.06E-07	2.70E-07	8.73E-06	3.92E-06	4.66E-05	1.54E-05	9.91E-06	7.59E-05	3.73E-06	8.74E-11	2.06E-07	2.70E-07	4.21E-06
3323	492863.09	3847877.25	8.65E-06	1.08E-10	1.95E-07	2.77E-07	9.12E-06	4.11E-06	4.76E-05	1.46E-05	1.02E-05	7.64E-05	3.91E-06	8.92E-11	1.95E-07	2.77E-07	4.38E-06
3324	493363.09	3847877.25	8.65E-06	1.07E-10	1.84E-07	2.79E-07	9.11E-06	4.11E-06	4.69E-05	1.38E-05	1.02E-05	7.51E-05	3.91E-06	8.80E-11	1.84E-07	2.79E-07	4.37E-06
3325	493863.09	3847877.25	8.73E-06	1.08E-10	1.80E-07	2.84E-07	9.19E-06	4.15E-06	4.76E-05	1.35E-05	1.04E-05	7.57E-05	3.95E-06	8.92E-11	1.80E-07	2.84E-07	4.41E-06
3326	494363.09	3847877.25	8.88E-06	1.13E-10	1.83E-07	2.90E-07	9.36E-06	4.22E-06	4.98E-05	1.37E-05	1.06E-05	7.83E-05	4.02E-06	9.33E-11	1.83E-07	2.90E-07	4.49E-06
3327	494863.09	3847877.25	9.28E-06	1.19E-10	1.89E-07	2.98E-07	9.76E-06	4.41E-06	5.23E-05	1.42E-05	1.09E-05	8.18E-05	4.20E-06	9.81E-11	1.89E-07	2.98E-07	4.68E-06
3328	495363.09	3847877.25	9.63E-06	1.23E-10	2.04E-07	3.04E-07	1.01E-05	4.58E-06	5.42E-05	1.53E-05	1.11E-05	8.52E-05	4.36E-06	1.02E-10	2.04E-07	3.04E-07	4.86E-06
3329	495863.09	3847877.25	9.43E-06	1.21E-10	2.12E-07	3.07E-07	9.95E-06	4.48E-06	5.32E-05	1.59E-05	1.13E-05	8.49E-05	4.27E-06	9.98E-11	2.12E-07	3.07E-07	4.79E-06
3330	496363.09	3847877.25	1.12E-05	1.37E-10	2.53E-07	3.27E-07	1.18E-05	5.33E-06	6.05E-05	1.89E-05	1.20E-05	9.67E-05	5.07E-06	1.13E-10	2.53E-07	3.27E-07	5.65E-06
3331	496863.09	3847877.25	1.24E-05	1.48E-10	2.80E-07	3.40E-07	1.30E-05	5.91E-06	6.52E-05	2.10E-05	1.25E-05	1.05E-04	5.62E-06	1.22E-10	2.80E-07	3.40E-07	6.24E-06
3332	497363.09	3847877.25	1.40E-05	1.62E-10	3.07E-07	3.54E-07	1.47E-05	6.65E-06	7.15E-05	2.30E-05	1.30E-05	1.14E-04	6.33E-06	1.34E-10	3.07E-07	3.54E-07	6.99E-06
3333	497863.09	3847877.25	1.67E-05	1.87E-10	3.52E-07	3.72E-07	1.75E-05	7.96E-06	8.22E-05	2.64E-05	1.36E-05	1.30E-04	7.57E-06	1.54E-10	3.52E-07	3.72E-07	8.30E-06
3334	498363.09	3847877.25	1.84E-05	2.00E-10	3.74E-07	3.87E-07	1.92E-05	8.75E-06	8.79E-05	2.81E-05	1.42E-05	1.39E-04	8.32E-06	1.65E-10	3.74E-07	3.87E-07	9.08E-06
3335	471363.09	3848377.25	2.68E-05	3.28E-10	1.39E-07	1.90E-07	2.72E-05	1.28E-05	1.44E-04	1.04E-05	6.98E-06	1.74E-04	1.21E-05	2.71E-10	1.39E-07	1.90E-07	1.25E-05
3336	471863.09	3848377.25	2.85E-05	3.29E-10	1.44E-07	1.92E-07	2.88E-05	1.35E-05	1.45E-04	1.08E-05	7.04E-06	1.76E-04	1.29E-05	2.72E-10	1.44E-07	1.92E-07	1.32E-05
3337	472363.09	3848377.25	2.87E-05	3.30E-10	1.45E-07	1.94E-07	2.90E-05	1.36E-05	1.46E-04	1.09E-05	7.10E-06	1.77E-04	1.30E-05	2.73E-10	1.45E-07	1.94E-07	1.33E-05
3338	472863.09	3848377.25	2.87E-05	3.38E-10	1.45E-07	1.95E-07	2.91E-05	1.37E-05	1.49E-04	1.08E-05	7.17E-06	1.80E-04	1.30E-05	2.79E-10	1.45E-07	1.95E-07	1.33E-05
3339	473363.09	3848377.25	2.91E-05	3.33E-10	1.42E-07	1.98E-07	2.94E-05	1.38E-05	1.47E-04	1.07E-05	7.26E-06	1.79E-04	1.32E-05	2.75E-10	1.42E-07	1.98E-07	1.35E-05
3340	473863.09	3848377.25	2.92E-05	3.23E-10	1.39E-07	2.00E-07	2.95E-05	1.39E-05	1.42E-04	1.05E-05	7.33E-06	1.74E-04	1.32E-05	2.67E-10	1.39E-07	2.00E-07	1.36E-05
3341	474363.09	3848377.25	2.85E-05	2.98E-10	1.39E-07	2.01E-07	2.88E-05	1.35E-05	1.31E-04	1.05E-05	7.36E-06	1.63E-04	1.29E-05	2.46E-10	1.39E-07	2.01E-07	1.32E-05
3342	474863.09	3848377.25	2.64E-05	2.52E-10	1.42E-07	1.98E-07	2.67E-05	1.25E-05	1.11E-04	1.07E-05	7.26E-06	1.42E-04	1.19E-05	2.09E-10	1.42E-07	1.98E-07	1.23E-05
3343	475363.09	3848377.25	2.74E-05	3.06E-10	1.47E-07	1.96E-07	2.77E-05	1.30E-05	1.35E-04	1.10E-05	7.20E-06	1.66E-04	1.24E-05	2.53E-10	1.47E-07	1.96E-07	1.27E-05
3344	475863.09	3848377.25	2.52E-05	3.10E-10	1.51E-07	1.93E-07	2.56E-05	1.20E-05	1.36E-04	1.14E-05	7.07E-06	1.67E-04	1.14E-05	2.56E-10	1.51E-07	1.93E-07	1.18E-05
3345	476363.09	3848377.25	2.19E-05	3.05E-10	1.52E-07	1.92E-07	2.22E-05	1.04E-05	1.34E-04	1.14E-05	7.04E-06	1.63E-04	9.89E-06	2.52E-10	1.52E-07	1.92E-07	1.02E-05
3346	476863.09	3848377.25	2.61E-05	4.13E-10	1.53E-07	2.01E-07	2.64E-05	1.24E-05	1.82E-04	1.15E-05	7.39E-06	2.13E-04	1.18E-05	3.41E-10	1.53E-07	2.01E-07	1.21E-05
3347	477363.09	3848377.25	3.09E-05	3.71E-10	1.51E-07	2.14E-07	3.13E-05	1.47E-05	1.63E-04	1.13E-05	7.83E-06	1.97E-04	1.40E-05	3.07E-10	1.51E-07	2.14E-07	1.43E-05
3348	477863.09	3848377.25	4.17E-05	3.53E-10	1.49E-07	2.19E-07	4.21E-05	1.98E-05	1.56E-04	1.12E-05	8.02E-06	1.95E-04	1.89E-05	2.92E-10	1.49E-07	2.19E-07	1.92E-05
3349	478363.09	3848377.25	4.28E-05	2.98E-10	1.50E-07	2.18E-07	4.32E-05	2.04E-05	1.31E-04	1.12E-05	7.99E-06	1.71E-04	1.94E-05	2.46E-10	1.50E-07	2.18E-07	1.97E-05
3350	478863.09	3848377.25	3.84E-05	2.55E-10	1.69E-07	2.34E-07	3.88E-05	1.83E-05	1.12E-04	1.27E-05	8.59E-06	1.52E-04	1.74E-05	2.11E-10	1.69E-07	2.34E-07	1.78E-05
3351	479363.09	3848377.25	2.38E-05	1.99E-10	1.91E-07	2.20E-07	2.42E-05	1.13E-05	8.76E-05	1.44E-05	8.08E-06	1.21E-04	1.08E-05	1.64E-10	1.91E-07	2.20E-07	1.12E-05

3352	479863.09	3848377.25	9.08E-06	1.09E-10	1.48E-07	2.01E-07	9.43E-06	4.32E-06	4.82E-05	1.11E-05	7.39E-06	7.10E-05	4.11E-06	9.04E-11	1.48E-07	2.01E-07	4.46E-06
3353	480363.09	3848377.25	1.21E-05	1.30E-10	1.63E-07	2.11E-07	1.24E-05	5.74E-06	5.73E-05	1.22E-05	7.74E-06	8.30E-05	5.46E-06	1.08E-10	1.63E-07	2.11E-07	5.83E-06
3354	480863.09	3848377.25	1.57E-05	1.56E-10	1.79E-07	2.22E-07	1.61E-05	7.47E-06	6.87E-05	1.35E-05	8.15E-06	9.77E-05	7.11E-06	1.29E-10	1.79E-07	2.22E-07	7.51E-06
3355	481363.09	3848377.25	1.65E-05	1.57E-10	1.73E-07	2.32E-07	1.69E-05	7.85E-06	6.90E-05	1.30E-05	8.52E-06	9.84E-05	7.47E-06	1.29E-10	1.73E-07	2.32E-07	7.87E-06
3356	481863.09	3848377.25	1.65E-05	1.58E-10	1.81E-07	2.41E-07	1.69E-05	7.83E-06	6.96E-05	1.36E-05	8.84E-06	9.99E-05	7.45E-06	1.31E-10	1.81E-07	2.41E-07	7.87E-06
3357	482363.09	3848377.25	1.55E-05	1.56E-10	1.89E-07	2.38E-07	1.60E-05	7.38E-06	6.87E-05	1.42E-05	8.71E-06	9.89E-05	7.02E-06	1.29E-10	1.89E-07	2.38E-07	7.45E-06
3358	482863.09	3848377.25	1.31E-05	1.41E-10	1.91E-07	2.32E-07	1.36E-05	6.24E-06	6.21E-05	1.44E-05	8.49E-06	9.11E-05	5.94E-06	1.16E-10	1.91E-07	2.32E-07	6.36E-06
3359	483363.09	3848377.25	1.28E-05	1.37E-10	2.05E-07	2.31E-07	1.32E-05	6.09E-06	6.05E-05	1.54E-05	8.46E-06	9.04E-05	5.80E-06	1.13E-10	2.05E-07	2.31E-07	6.23E-06
3360	483863.09	3848377.25	1.22E-05	1.28E-10	2.24E-07	2.33E-07	1.27E-05	5.81E-06	5.64E-05	1.68E-05	8.56E-06	8.75E-05	5.53E-06	1.06E-10	2.24E-07	2.33E-07	5.99E-06
3361	484363.09	3848377.25	1.16E-05	1.25E-10	2.53E-07	2.39E-07	1.21E-05	5.53E-06	5.51E-05	1.90E-05	8.75E-06	8.84E-05	5.26E-06	1.03E-10	2.53E-07	2.39E-07	5.76E-06
3362	484863.09	3848377.25	1.23E-05	1.32E-10	2.97E-07	2.44E-07	1.28E-05	5.83E-06	5.83E-05	2.23E-05	8.94E-06	9.53E-05	5.55E-06	1.09E-10	2.97E-07	2.44E-07	6.09E-06
3363	485363.09	3848377.25	1.19E-05	1.29E-10	3.11E-07	2.43E-07	1.24E-05	5.64E-06	5.67E-05	2.33E-05	8.90E-06	9.46E-05	5.37E-06	1.06E-10	3.11E-07	2.43E-07	5.92E-06
3364	485863.09	3848377.25	1.08E-05	1.23E-10	2.89E-07	2.39E-07	1.13E-05	5.14E-06	5.42E-05	2.17E-05	8.75E-06	8.98E-05	4.89E-06	1.02E-10	2.89E-07	2.39E-07	5.42E-06
3365	486363.09	3848377.25	9.83E-06	1.21E-10	2.36E-07	2.34E-07	1.03E-05	4.67E-06	5.32E-05	1.77E-05	8.59E-06	8.42E-05	4.45E-06	9.98E-11	2.36E-07	2.34E-07	4.92E-06
3366	486863.09	3848377.25	9.47E-06	1.19E-10	2.02E-07	2.32E-07	9.91E-06	4.50E-06	5.23E-05	1.52E-05	8.52E-06	8.05E-05	4.29E-06	9.81E-11	2.02E-07	2.32E-07	4.72E-06
3367	487363.09	3848377.25	8.57E-06	1.09E-10	1.82E-07	2.32E-07	8.98E-06	4.07E-06	4.79E-05	1.37E-05	8.52E-06	7.41E-05	3.88E-06	8.98E-11	1.82E-07	2.32E-07	4.29E-06
3368	487863.09	3848377.25	8.25E-06	1.06E-10	1.80E-07	2.34E-07	8.67E-06	3.92E-06	4.66E-05	1.35E-05	8.59E-06	7.27E-05	3.73E-06	8.74E-11	1.80E-07	2.34E-07	4.15E-06
3369	488363.09	3848377.25	8.10E-06	1.07E-10	2.02E-07	2.37E-07	8.54E-06	3.85E-06	4.69E-05	1.51E-05	8.68E-06	7.46E-05	3.66E-06	8.80E-11	2.02E-07	2.37E-07	4.10E-06
3370	488863.09	3848377.25	8.10E-06	1.07E-10	2.30E-07	2.41E-07	8.57E-06	3.85E-06	4.69E-05	1.72E-05	8.84E-06	7.68E-05	3.66E-06	8.80E-11	2.30E-07	2.41E-07	4.13E-06
3371	489363.09	3848377.25	8.18E-06	1.08E-10	2.48E-07	2.45E-07	8.67E-06	3.89E-06	4.76E-05	1.86E-05	9.00E-06	7.91E-05	3.70E-06	8.92E-11	2.48E-07	2.45E-07	4.19E-06
3372	489863.09	3848377.25	8.53E-06	1.14E-10	2.47E-07	2.54E-07	9.03E-06	4.06E-06	5.04E-05	1.85E-05	9.31E-06	8.23E-05	3.86E-06	9.45E-11	2.47E-07	2.54E-07	4.36E-06
3373	490363.09	3848377.25	8.84E-06	1.14E-10	2.31E-07	2.61E-07	9.34E-06	4.20E-06	5.04E-05	1.73E-05	9.57E-06	8.15E-05	4.00E-06	9.45E-11	2.31E-07	2.61E-07	4.49E-06
3374	490863.09	3848377.25	8.84E-06	1.14E-10	2.24E-07	2.68E-07	9.34E-06	4.20E-06	5.01E-05	1.68E-05	9.82E-06	8.09E-05	4.00E-06	9.39E-11	2.24E-07	2.68E-07	4.49E-06
3375	491363.09	3848377.25	9.00E-06	1.15E-10	2.28E-07	2.76E-07	9.51E-06	4.28E-06	5.07E-05	1.71E-05	1.01E-05	8.22E-05	4.07E-06	9.51E-11	2.28E-07	2.76E-07	4.58E-06
3376	491863.09	3848377.25	9.24E-06	1.17E-10	2.23E-07	2.87E-07	9.75E-06	4.39E-06	5.13E-05	1.67E-05	1.05E-05	8.30E-05	4.18E-06	9.63E-11	2.23E-07	2.87E-07	4.69E-06
3377	492363.09	3848377.25	9.24E-06	1.15E-10	2.11E-07	2.94E-07	9.74E-06	4.39E-06	5.07E-05	1.58E-05	1.08E-05	8.17E-05	4.18E-06	9.51E-11	2.11E-07	2.94E-07	4.68E-06
3378	492863.09	3848377.25	9.12E-06	1.14E-10	1.96E-07	2.96E-07	9.61E-06	4.34E-06	5.01E-05	1.47E-05	1.09E-05	8.00E-05	4.13E-06	9.39E-11	1.96E-07	2.96E-07	4.62E-06
3379	493363.09	3848377.25	9.32E-06	1.15E-10	1.85E-07	3.01E-07	9.80E-06	4.43E-06	5.07E-05	1.39E-05	1.11E-05	8.01E-05	4.21E-06	9.51E-11	1.85E-07	3.01E-07	4.70E-06
3380	493863.09	3848377.25	9.43E-06	1.18E-10	1.90E-07	3.06E-07	9.93E-06	4.48E-06	5.20E-05	1.42E-05	1.12E-05	8.19E-05	4.27E-06	9.75E-11	1.90E-07	3.06E-07	4.76E-06
3381	494363.09	3848377.25	9.67E-06	1.23E-10	1.89E-07	3.13E-07	1.02E-05	4.60E-06	5.42E-05	1.42E-05	1.15E-05	8.44E-05	4.37E-06	1.02E-10	1.89E-07	3.13E-07	4.88E-06
3382	494863.09	3848377.25	1.03E-05	1.30E-10	2.00E-07	3.23E-07	1.09E-05	4.91E-06	5.73E-05	1.50E-05	1.18E-05	8.91E-05	4.68E-06	1.08E-10	2.00E-07	3.23E-07	5.20E-06
3383	495363.09	3848377.25	1.04E-05	1.31E-10	2.19E-07	3.30E-07	1.10E-05	4.95E-06	5.76E-05	1.64E-05	1.21E-05	9.11E-05	4.71E-06	1.08E-10	2.19E-07	3.30E-07	5.26E-06
3384	495863.09	3848377.25	1.10E-05	1.37E-10	2.41E-07	3.39E-07	1.16E-05	5.25E-06	6.02E-05	1.81E-05	1.24E-05	9.59E-05	5.00E-06	1.13E-10	2.41E-07	3.39E-07	5.58E-06
3385	496363.09	3848377.25	1.24E-05	1.49E-10	2.74E-07	3.55E-07	1.30E-05	5.89E-06	6.55E-05	2.05E-05	1.30E-05	1.05E-04	5.60E-06	1.23E-10	2.74E-07	3.55E-07	6.23E-06
3386	496863.09	3848377.25	1.30E-05	1.55E-10	2.93E-07	3.64E-07	1.36E-05	6.17E-06	6.84E-05	2.20E-05	1.34E-05	1.10E-04	5.87E-06	1.28E-10	2.93E-07	3.64E-07	6.53E-06
3387	497363.09	3848377.25	1.50E-05	1.73E-10	3.28E-07	3.82E-07	1.57E-05	7.14E-06	7.62E-05	2.46E-05	1.40E-05	1.22E-04	6.79E-06	1.43E-10	3.28E-07	3.82E-07	7.50E-06
3388	497863.09	3848377.25	2.04E-05	2.17E-10	3.89E-07	4.12E-07	2.12E-05	9.68E-06	9.54E-05	2.91E-05	1.51E-05	1.49E-04	9.21E-06	1.79E-10	3.89E-07	4.12E-07	1.00E-05
3389	498363.09	3848377.25	2.20E-05	2.27E-10	3.94E-07	4.23E-07	2.28E-05	1.04E-05	9.99E-05	2.95E-05	1.55E-05	1.55E-04	9.94E-06	1.87E-10	3.94E-07	4.23E-07	1.08E-05
3390	471363.09	3848877.25	2.45E-05	3.48E-10	1.33E-07	1.97E-07	2.49E-05	1.17E-05	1.53E-04	9.95E-06	7.23E-06	1.82E-04	1.11E-05	2.88E-10	1.33E-07	1.97E-07	1.14E-05
3391	471863.09	3848877.25	2.72E-05	3.60E-10	1.39E-07	1.99E-07	2.76E-05	1.30E-05	1.58E-04	1.05E-05	7.29E-06	1.89E-04	1.23E-05	2.97E-10	1.39E-07	1.99E-07	1.27E-05
3392	472363.09	3848877.25	3.00E-05	3.63E-10	1.46E-07	2.01E-07	3.03E-05	1.43E-05	1.60E-04	1.10E-05	7.39E-06	1.92E-04	1.36E-05	3.00E-10	1.46E-07	2.01E-07	1.39E-05
3393	472863.09	3848877.25	3.16E-05	3.63E-10	1.51E-07	2.03E-07	3.20E-05	1.50E-05	1.60E-04	1.13E-05	7.45E-06	1.93E-04	1.43E-05	3.00E-10	1.51E-07	2.03E-07	1.47E-05
3394	473363.09	3848877.25	3.20E-05	3.72E-10	1.51E-07	2.06E-07	3.24E-05	1.52E-05	1.64E-04	1.14E-05	7.55E-06	1.98E-04	1.45E-05	3.07E-10	1.51E-07	2.06E-07	1.48E-05
3395	473863.09	3848877.25	3.22E-05	3.69E-10	1.50E-07	2.08E-07	3.26E-05	1.53E-05	1.63E-04	1.12E-05	7.64E-06	1.97E-04	1.46E-05	3.05E-10	1.50E-07	2.08E-07	1.49E-05
3396	474363.09	3848877.25	3.25E-05	3.63E-10	1.47E-07	2.10E-07	3.29E-05	1.55E-05	1.60E-04	1.10E-05	7.70E-06	1.94E-04	1.47E-05	3.00E-10	1.47E-07	2.10E-07	1.51E-05
3397	474863.09	3848877.25	3.18E-05	3.22E-10	1.46E-07	2.12E-07	3.21E-05	1.51E-05	1.42E-04	1.10E-05	7.77E-06	1.76E-04	1.44E-05	2.66E-10	1.46E-07	2.12E-07	1.47E-05
3398	475363.09	3848877.25	3.09E-05	3.08E-10	1.48E-07	2.11E-07	3.13E-05	1.47E-05	1.35E-04	1.11E-05	7.74E-06	1.69E-04	1.40E-05	2.54E-10	1.48E-07	2.11E-07	1.43E-05
3399	475863.09	3848877.25	3.12E-05	3.55E-10	1.52E-07	2.08E-07	3.16E-05	1.49E-05	1.57E-04	1.14E-05	7.64E-06	1.90E-04	1.41E-05	2.94E-10	1.52E-07	2.08E-07	1.45E-05
3400	476363.09	3848877.25	2.99E-05	3.80E-10	1.57E-07	2.06E-07	3.02E-05	1.42E-05	1.67E-04	1.18E-05	7.55E-06	2.01E-04	1.35E-05	3.14E-10	1.57E-07	2.06E-07	1.39E-05
3401	476863.09	3848877.25	2.70E-05	3.87E-10	1.61E-07	2.05E-07	2.73E-05	1.28E-05	1.70E-04	1.21E-05	7.51E-06	2.03E-04	1.22E-05	3.20E-10	1.61E-07	2.05E-07	1.26E-05
3402	477363.09	3848877.25	2.94E-05	4.91E-10	1.61E-07	2.14E-07	2.98E-05	1.40E-05	2.16E-04	1.21E-05	7.83E-06	2.50E-04	1.33E-05	4.06E-10	1.61E-07	2.14E-07	1.37E-05
3403	477863.09	3848877.25	3.50E-05	4.27E-10	1.58E-07	2.26E-07	3.54E-05	1.66E-05	1.88E-04	1.19E-05	8.30E-06	2.25E-04	1.58E-05	3.53E-10	1.58E-07	2.26E-07	1.62E-05
3404	478363.09	3848877.25	4.74E-05	4.00E-10	1.56E-07	2.31E-07	4.78E-05	2.25E-05	1.76E-04	1.17E-05	8.46E-06	2.19E-04	2.14E-05	3.30E-10	1.56E-07	2.31E-07	2.18E-05
3405	478863.09	3848877.25	4.80E-05	3.18E-10	1.62E-07	2.43E-07	4.84E-05	2.28E-05	1.40E-04	1.21E-05	8.90E-06	1.84E-04	2.17E-05	2.63E-10	1.62E-07	2.43E-07	2.21E-05
3406	479363.09	3848877.25	4.01E-05	2.63E-10	1.79E-07	2.53E-07	4.06E-05	1.91E-05	1.16E-04	1.34E-05	9.28E-06	1.57E-04	1.82E-05	2.17E-10	1.79E-07	2.53E-07	1.86E-05
3407	479863.09	3848877.25	2.56E-05	2.15E-10	2.11E-07	2.37E-07	2.60E-05	1.22E-05	9.45E-05	1.58E-05	8.68E-06	1.31E-04	1.16E-05	1.77E-10	2.11E-07	2.37E-07	1.20E-05
3408	480363.09	3848877.25	2.51E-05	2.05E-10	2.59E-07	2.35E-07	2.56E-05	1.19E-05	9.01E-05	1.94E-05	8.62E-06	1.30E-04	1.14E-05	1.69E-10	2.59E-07	2.35E-07	1.19E-05
3409	480863.09	3848877.25	2.52E-05	2.07E-10	2.45E-07	2.42E-07	2.57E-05	1.20E-05	9.14E-05	1.84E-05	8.87E-06	1.31E-04	1.14E-05	1.71E-10	2.45E-07	2.42E-07	1.19E-05
3410	481363.09	3848877.25	2.24E-05	1.97E-10	1.93E-07	2.52E-07	2.29E-05	1.07E-05	8.69E-05	1.45E-05	9.25E-06	1.21E-04	1.02E-05	1.63E-10	1.93E-07	2.52E-07	1.06E-05
3411	481863.09	3848877.25	2.00E-05	1.78E-10	1.88E-07	2.54E-07	2.05E-05	9.53E-06	7.84E-05	1.41E-05	9.31E-06	1.11E-04	9.07E-06	1.47E-10	1.88E-07	2.54E-07	9.51E-06
3412	482363.09	3848877.25	1.55E-05	1.59E-10	1.84E-07	2.49E-07	1.60E-05	7.38E-06	6.99E-05	1.38E-05	9.12E-06	1.00E-04	7.02E-06	1.31E-10	1.84E-07	2.49E-07	7.46E-06

3413	482863.09	3848877.25	1.28E-05	1.41E-10	1.87E-07	2.43E-07	1.32E-05	6.07E-06	6.21E-05	1.40E-05	8.90E-06	9.11E-05	5.78E-06	1.16E-10	1.87E-07	2.43E-07	6.21E-06
3414	483363.09	3848877.25	1.14E-05	1.32E-10	2.02E-07	2.40E-07	1.19E-05	5.44E-06	5.80E-05	1.51E-05	8.81E-06	8.73E-05	5.17E-06	1.09E-10	2.02E-07	2.40E-07	5.62E-06
3415	483863.09	3848877.25	1.16E-05	1.27E-10	2.22E-07	2.43E-07	1.21E-05	5.51E-06	5.61E-05	1.66E-05	8.90E-06	8.71E-05	5.25E-06	1.05E-10	2.22E-07	2.43E-07	5.71E-06
3416	484363.09	3848877.25	1.32E-05	1.36E-10	2.53E-07	2.51E-07	1.37E-05	6.28E-06	5.99E-05	1.89E-05	9.19E-06	9.43E-05	5.97E-06	1.12E-10	2.53E-07	2.51E-07	6.48E-06
3417	484863.09	3848877.25	1.48E-05	1.49E-10	3.00E-07	2.61E-07	1.54E-05	7.05E-06	6.55E-05	2.25E-05	9.57E-06	1.05E-04	6.70E-06	1.23E-10	3.00E-07	2.61E-07	7.26E-06
3418	485363.09	3848877.25	1.42E-05	1.47E-10	3.35E-07	2.61E-07	1.48E-05	6.75E-06	6.46E-05	2.51E-05	9.57E-06	1.06E-04	6.42E-06	1.21E-10	3.35E-07	2.61E-07	7.02E-06
3419	485863.09	3848877.25	1.27E-05	1.38E-10	3.19E-07	2.57E-07	1.32E-05	6.02E-06	6.08E-05	2.39E-05	9.41E-06	1.00E-04	5.73E-06	1.14E-10	3.19E-07	2.57E-07	6.30E-06
3420	486363.09	3848877.25	1.11E-05	1.32E-10	2.61E-07	2.51E-07	1.16E-05	5.29E-06	5.83E-05	1.96E-05	9.22E-06	9.24E-05	5.03E-06	1.09E-10	2.61E-07	2.51E-07	5.54E-06
3421	486863.09	3848877.25	1.05E-05	1.27E-10	2.18E-07	2.48E-07	1.09E-05	4.97E-06	5.61E-05	1.63E-05	9.09E-06	8.65E-05	4.73E-06	1.05E-10	2.18E-07	2.48E-07	5.20E-06
3422	487363.09	3848877.25	1.01E-05	1.23E-10	1.96E-07	2.49E-07	1.06E-05	4.82E-06	5.42E-05	1.47E-05	9.12E-06	8.29E-05	4.59E-06	1.02E-10	1.96E-07	2.49E-07	5.03E-06
3423	487863.09	3848877.25	9.51E-06	1.19E-10	1.91E-07	2.51E-07	9.95E-06	4.52E-06	5.23E-05	1.44E-05	9.22E-06	8.04E-05	4.30E-06	9.81E-11	1.91E-07	2.51E-07	4.75E-06
3424	488363.09	3848877.25	9.47E-06	1.20E-10	2.13E-07	2.56E-07	9.94E-06	4.50E-06	5.29E-05	1.60E-05	9.38E-06	8.28E-05	4.29E-06	9.93E-11	2.13E-07	2.56E-07	4.75E-06
3425	488863.09	3848877.25	9.43E-06	1.19E-10	2.45E-07	2.60E-07	9.94E-06	4.48E-06	5.26E-05	1.84E-05	9.54E-06	8.50E-05	4.27E-06	9.87E-11	2.45E-07	2.60E-07	4.77E-06
3426	489363.09	3848877.25	9.67E-06	1.23E-10	2.70E-07	2.68E-07	1.02E-05	4.60E-06	5.42E-05	2.02E-05	9.82E-06	8.88E-05	4.37E-06	1.02E-10	2.70E-07	2.68E-07	4.91E-06
3427	489863.09	3848877.25	1.02E-05	1.29E-10	2.70E-07	2.77E-07	1.08E-05	4.86E-06	5.67E-05	2.02E-05	1.02E-05	9.19E-05	4.62E-06	1.06E-10	2.70E-07	2.77E-07	5.17E-06
3428	490363.09	3848877.25	1.02E-05	1.27E-10	2.47E-07	2.86E-07	1.07E-05	4.84E-06	5.58E-05	1.85E-05	1.05E-05	8.96E-05	4.61E-06	1.05E-10	2.47E-07	2.86E-07	5.14E-06
3429	490863.09	3848877.25	1.03E-05	1.26E-10	2.42E-07	2.95E-07	1.08E-05	4.88E-06	5.54E-05	1.82E-05	1.08E-05	8.93E-05	4.64E-06	1.04E-10	2.42E-07	2.95E-07	5.18E-06
3430	491363.09	3848877.25	1.05E-05	1.29E-10	2.41E-07	3.06E-07	1.10E-05	4.97E-06	5.67E-05	1.81E-05	1.12E-05	9.09E-05	4.73E-06	1.06E-10	2.41E-07	3.06E-07	5.28E-06
3431	491863.09	3848877.25	1.03E-05	1.28E-10	2.30E-07	3.13E-07	1.09E-05	4.91E-06	5.64E-05	1.72E-05	1.15E-05	9.00E-05	4.68E-06	1.06E-10	2.30E-07	3.13E-07	5.22E-06
3432	492363.09	3848877.25	1.03E-05	1.26E-10	2.15E-07	3.19E-07	1.08E-05	4.88E-06	5.54E-05	1.61E-05	1.17E-05	8.82E-05	4.64E-06	1.04E-10	2.15E-07	3.19E-07	5.18E-06
3433	492863.09	3848877.25	9.87E-06	1.22E-10	1.95E-07	3.20E-07	1.04E-05	4.69E-06	5.39E-05	1.46E-05	1.17E-05	8.49E-05	4.46E-06	1.01E-10	1.95E-07	3.20E-07	4.98E-06
3434	493363.09	3848877.25	9.63E-06	1.21E-10	1.88E-07	3.22E-07	1.01E-05	4.58E-06	5.32E-05	1.41E-05	1.18E-05	8.37E-05	4.36E-06	9.98E-11	1.88E-07	3.22E-07	4.87E-06
3435	493863.09	3848877.25	1.02E-05	1.29E-10	1.92E-07	3.32E-07	1.07E-05	4.86E-06	5.70E-05	1.44E-05	1.22E-05	8.85E-05	4.62E-06	1.07E-10	1.92E-07	3.32E-07	5.15E-06
3436	494363.09	3848877.25	1.08E-05	1.36E-10	2.02E-07	3.44E-07	1.13E-05	5.12E-06	5.99E-05	1.51E-05	1.26E-05	9.27E-05	4.87E-06	1.12E-10	2.02E-07	3.44E-07	5.42E-06
3437	494863.09	3848877.25	1.18E-05	1.45E-10	2.26E-07	3.57E-07	1.24E-05	5.62E-06	6.39E-05	1.70E-05	1.31E-05	9.96E-05	5.35E-06	1.20E-10	2.26E-07	3.57E-07	5.94E-06
3438	495363.09	3848877.25	1.28E-05	1.53E-10	2.55E-07	3.69E-07	1.34E-05	6.09E-06	6.74E-05	1.91E-05	1.35E-05	1.06E-04	5.80E-06	1.26E-10	2.55E-07	3.69E-07	6.42E-06
3439	495863.09	3848877.25	1.29E-05	1.52E-10	2.69E-07	3.74E-07	1.35E-05	6.11E-06	6.71E-05	2.02E-05	1.37E-05	1.07E-04	5.81E-06	1.26E-10	2.69E-07	3.74E-07	6.46E-06
3440	496363.09	3848877.25	1.38E-05	1.62E-10	2.93E-07	3.87E-07	1.45E-05	6.58E-06	7.15E-05	2.20E-05	1.42E-05	1.14E-04	6.26E-06	1.34E-10	2.93E-07	3.87E-07	6.94E-06
3441	496863.09	3848877.25	1.60E-05	1.82E-10	3.33E-07	4.06E-07	1.68E-05	7.62E-06	8.03E-05	2.49E-05	1.49E-05	1.28E-04	7.25E-06	1.51E-10	3.33E-07	4.06E-07	7.99E-06
3442	497363.09	3848877.25	2.06E-05	2.19E-10	3.94E-07	4.35E-07	2.15E-05	9.81E-06	9.64E-05	2.95E-05	1.59E-05	1.52E-04	9.34E-06	1.81E-10	3.94E-07	4.35E-07	1.02E-05
3443	497863.09	3848877.25	2.37E-05	2.41E-10	4.09E-07	4.52E-07	2.46E-05	1.13E-05	1.06E-04	3.07E-05	1.66E-05	1.65E-04	1.07E-05	1.99E-10	4.09E-07	4.52E-07	1.16E-05
3444	498363.09	3848877.25	2.66E-05	2.60E-10	4.07E-07	4.67E-07	2.74E-05	1.26E-05	1.14E-04	3.05E-05	1.71E-05	1.75E-04	1.20E-05	2.14E-10	4.07E-07	4.67E-07	1.29E-05
3445	471363.09	3849377.25	2.41E-05	3.56E-10	1.37E-07	2.06E-07	2.44E-05	1.14E-05	1.57E-04	1.03E-05	7.55E-06	1.86E-04	1.09E-05	2.94E-10	1.37E-07	2.06E-07	1.12E-05
3446	471863.09	3849377.25	2.57E-05	3.83E-10	1.36E-07	2.08E-07	2.61E-05	1.22E-05	1.69E-04	1.02E-05	7.61E-06	1.99E-04	1.16E-05	3.17E-10	1.36E-07	2.08E-07	1.20E-05
3447	472363.09	3849377.25	2.79E-05	3.95E-10	1.40E-07	2.09E-07	2.82E-05	1.32E-05	1.74E-04	1.05E-05	7.67E-06	2.05E-04	1.26E-05	3.26E-10	1.40E-07	2.09E-07	1.30E-05
3448	472863.09	3849377.25	3.08E-05	4.03E-10	1.47E-07	2.12E-07	3.12E-05	1.47E-05	1.77E-04	1.10E-05	7.77E-06	2.11E-04	1.39E-05	3.33E-10	1.47E-07	2.12E-07	1.43E-05
3449	473363.09	3849377.25	3.37E-05	4.02E-10	1.54E-07	2.14E-07	3.41E-05	1.60E-05	1.77E-04	1.15E-05	7.86E-06	2.12E-04	1.53E-05	3.32E-10	1.54E-07	2.14E-07	1.56E-05
3450	473863.09	3849377.25	3.55E-05	4.06E-10	1.58E-07	2.17E-07	3.58E-05	1.69E-05	1.79E-04	1.19E-05	7.96E-06	2.15E-04	1.60E-05	3.35E-10	1.58E-07	2.17E-07	1.64E-05
3451	474363.09	3849377.25	3.60E-05	4.09E-10	1.58E-07	2.20E-07	3.64E-05	1.71E-05	1.80E-04	1.19E-05	8.05E-06	2.17E-04	1.63E-05	3.38E-10	1.58E-07	2.20E-07	1.67E-05
3452	474863.09	3849377.25	3.64E-05	4.04E-10	1.56E-07	2.22E-07	3.67E-05	1.73E-05	1.78E-04	1.17E-05	8.15E-06	2.15E-04	1.64E-05	3.34E-10	1.56E-07	2.22E-07	1.68E-05
3453	475363.09	3849377.25	3.64E-05	3.87E-10	1.54E-07	2.24E-07	3.68E-05	1.73E-05	1.70E-04	1.15E-05	8.21E-06	2.07E-04	1.65E-05	3.20E-10	1.54E-07	2.24E-07	1.69E-05
3454	475863.09	3849377.25	3.64E-05	3.98E-10	1.54E-07	2.24E-07	3.68E-05	1.73E-05	1.75E-04	1.15E-05	8.21E-06	2.12E-04	1.65E-05	3.28E-10	1.54E-07	2.24E-07	1.68E-05
3455	476363.09	3849377.25	3.62E-05	4.52E-10	1.58E-07	2.21E-07	3.66E-05	1.72E-05	1.99E-04	1.19E-05	8.11E-06	2.36E-04	1.64E-05	3.73E-10	1.58E-07	2.21E-07	1.68E-05
3456	476863.09	3849377.25	3.55E-05	5.09E-10	1.63E-07	2.19E-07	3.59E-05	1.69E-05	2.24E-04	1.22E-05	8.02E-06	2.61E-04	1.61E-05	4.20E-10	1.63E-07	2.19E-07	1.64E-05
3457	477363.09	3849377.25	3.33E-05	5.30E-10	1.68E-07	2.19E-07	3.36E-05	1.58E-05	2.33E-04	1.26E-05	8.02E-06	2.70E-04	1.50E-05	4.38E-10	1.68E-07	2.19E-07	1.54E-05
3458	477863.09	3849377.25	3.23E-05	5.14E-10	1.68E-07	2.28E-07	3.27E-05	1.54E-05	2.26E-04	1.26E-05	8.37E-06	2.63E-04	1.46E-05	4.25E-10	1.68E-07	2.28E-07	1.50E-05
3459	478363.09	3849377.25	3.93E-05	4.87E-10	1.66E-07	2.39E-07	3.97E-05	1.87E-05	2.15E-04	1.24E-05	8.78E-06	2.54E-04	1.78E-05	4.02E-10	1.66E-07	2.39E-07	1.82E-05
3460	478863.09	3849377.25	5.19E-05	4.08E-10	1.64E-07	2.45E-07	5.23E-05	2.47E-05	1.80E-04	1.23E-05	8.97E-06	2.26E-04	2.35E-05	3.37E-10	1.64E-07	2.45E-07	2.39E-05
3461	479363.09	3849377.25	5.40E-05	3.45E-10	1.70E-07	2.64E-07	5.44E-05	2.57E-05	1.52E-04	1.28E-05	9.69E-06	2.00E-04	2.44E-05	2.85E-10	1.70E-07	2.64E-07	2.49E-05
3462	479863.09	3849377.25	4.29E-05	2.80E-10	1.91E-07	2.76E-07	4.34E-05	2.04E-05	1.23E-04	1.43E-05	1.01E-05	1.68E-04	1.94E-05	2.32E-10	1.91E-07	2.76E-07	1.99E-05
3463	480363.09	3849377.25	3.67E-05	2.95E-10	2.59E-07	2.81E-07	3.72E-05	1.74E-05	1.30E-04	1.94E-05	1.03E-05	1.77E-04	1.66E-05	2.44E-10	2.59E-07	2.81E-07	1.71E-05
3464	480863.09	3849377.25	3.37E-05	2.63E-10	3.10E-07	2.64E-07	3.43E-05	1.60E-05	1.16E-04	2.32E-05	9.69E-06	1.65E-04	1.52E-05	2.17E-10	3.10E-07	2.64E-07	1.58E-05
3465	481363.09	3849377.25	2.69E-05	2.23E-10	2.28E-07	2.63E-07	2.74E-05	1.28E-05	9.83E-05	1.71E-05	9.66E-06	1.38E-04	1.22E-05	1.84E-10	2.28E-07	2.63E-07	1.27E-05
3466	481863.09	3849377.25	1.91E-05	1.78E-10	1.91E-07	2.63E-07	1.96E-05	9.08E-06	7.84E-05	1.44E-05	9.63E-06	1.11E-04	8.64E-06	1.47E-10	1.91E-07	2.63E-07	9.10E-06
3467	482363.09	3849377.25	1.62E-05	1.65E-10	1.88E-07	2.61E-07	1.66E-05	7.68E-06	7.25E-05	1.41E-05	9.57E-06	1.04E-04	7.31E-06	1.36E-10	1.88E-07	2.61E-07	7.76E-06
3468	482863.09	3849377.25	1.30E-05	1.44E-10	1.88E-07	2.55E-07	1.35E-05	6.20E-06	6.36E-05	1.41E-05	9.35E-06	9.33E-05	5.90E-06	1.19E-10	1.88E-07	2.55E-07	6.35E-06
3469	483363.09	3849377.25	1.19E-05	1.36E-10	2.01E-07	2.52E-07	1.23E-05	5.64E-06	5.99E-05	1.51E-05	9.25E-06	8.98E-05	5.37E-06	1.12E-10	2.01E-07	2.52E-07	5.82E-06
3470	483863.09	3849377.25	1.07E-05	1.25E-10	2.19E-07	2.53E-07	1.11E-05	5.06E-06	5.51E-05	1.64E-05	9.28E-06	8.59E-05	4.82E-06	1.03E-10	2.19E-07	2.53E-07	5.29E-06
3471	484363.09	3849377.25	1.50E-05	1.49E-10	2.53E-07	2.66E-07	1.55E-05	7.12E-06	6.55E-05	1.89E-05	9.76E-06	1.01E-04	6.77E-06	1.23E-10	2.53E-07	2.66E-07	7.29E-06
3472	484863.09	3849377.25	1.78E-05	1.67E-10	2.99E-07	2.78E-07	1.83E-05	8.45E-06	7.34E-05	2.25E-05	1.02E-05	1.14E-04	8.04E-06	1.38E-10	2.99E-07	2.78E-07	8.61E-06
3473	485363.09	3849377.25	1.71E-05	1.66E-10	3.56E-07	2.82E-07	1.78E-05	8.15E-06	7.31E-05	2.67E-05	1.03E-05	1.18E-04	7.75E-06	1.37E-10	3.56E-07	2.82E-07	8.39E-06

3474	485863.09	3849377.25	1.24E-05	1.39E-10	3.28E-07	2.71E-07	1.30E-05	5.89E-06	6.11E-05	2.46E-05	9.95E-06	1.02E-04	5.60E-06	1.15E-10	3.28E-07	2.71E-07	6.20E-06
3475	486363.09	3849377.25	1.01E-05	1.25E-10	2.66E-07	2.63E-07	1.06E-05	4.80E-06	5.51E-05	2.00E-05	9.63E-06	8.95E-05	4.57E-06	1.03E-10	2.66E-07	2.63E-07	5.10E-06
3476	486863.09	3849377.25	1.19E-05	1.39E-10	2.36E-07	2.65E-07	1.24E-05	5.66E-06	6.11E-05	1.77E-05	9.72E-06	9.42E-05	5.39E-06	1.15E-10	2.36E-07	2.65E-07	5.89E-06
3477	487363.09	3849377.25	1.17E-05	1.39E-10	2.12E-07	2.70E-07	1.22E-05	5.55E-06	6.11E-05	1.59E-05	9.88E-06	9.24E-05	5.28E-06	1.15E-10	2.12E-07	2.70E-07	5.76E-06
3478	487863.09	3849377.25	1.14E-05	1.36E-10	2.04E-07	2.72E-07	1.19E-05	5.42E-06	5.99E-05	1.53E-05	9.98E-06	9.06E-05	5.16E-06	1.12E-10	2.04E-07	2.72E-07	5.63E-06
3479	488363.09	3849377.25	1.12E-05	1.37E-10	2.27E-07	2.77E-07	1.17E-05	5.33E-06	6.02E-05	1.70E-05	1.02E-05	9.27E-05	5.07E-06	1.13E-10	2.27E-07	2.77E-07	5.57E-06
3480	488863.09	3849377.25	1.16E-05	1.39E-10	2.62E-07	2.87E-07	1.21E-05	5.49E-06	6.11E-05	1.96E-05	1.05E-05	9.68E-05	5.23E-06	1.15E-10	2.62E-07	2.87E-07	5.78E-06
3481	489363.09	3849377.25	1.20E-05	1.43E-10	2.86E-07	2.97E-07	1.26E-05	5.70E-06	6.30E-05	2.14E-05	1.09E-05	1.01E-04	5.42E-06	1.18E-10	2.86E-07	2.97E-07	6.01E-06
3482	489863.09	3849377.25	1.22E-05	1.45E-10	2.82E-07	3.09E-07	1.28E-05	5.81E-06	6.39E-05	2.12E-05	1.13E-05	1.02E-04	5.53E-06	1.20E-10	2.82E-07	3.09E-07	6.12E-06
3483	490363.09	3849377.25	1.20E-05	1.42E-10	2.62E-07	3.18E-07	1.26E-05	5.72E-06	6.24E-05	1.96E-05	1.17E-05	9.94E-05	5.44E-06	1.17E-10	2.62E-07	3.18E-07	6.02E-06
3484	490863.09	3849377.25	1.22E-05	1.42E-10	2.70E-07	3.28E-07	1.28E-05	5.81E-06	6.27E-05	2.02E-05	1.20E-05	1.01E-04	5.53E-06	1.18E-10	2.70E-07	3.28E-07	6.13E-06
3485	491363.09	3849377.25	1.24E-05	1.47E-10	2.66E-07	3.38E-07	1.30E-05	5.89E-06	6.46E-05	2.00E-05	1.24E-05	1.03E-04	5.60E-06	1.21E-10	2.66E-07	3.38E-07	6.21E-06
3486	491863.09	3849377.25	1.21E-05	1.46E-10	2.38E-07	3.46E-07	1.27E-05	5.77E-06	6.43E-05	1.79E-05	1.27E-05	1.01E-04	5.49E-06	1.21E-10	2.38E-07	3.46E-07	6.08E-06
3487	492363.09	3849377.25	1.20E-05	1.44E-10	2.21E-07	3.54E-07	1.26E-05	5.70E-06	6.33E-05	1.66E-05	1.30E-05	9.86E-05	5.42E-06	1.19E-10	2.21E-07	3.54E-07	6.00E-06
3488	492863.09	3849377.25	1.13E-05	1.38E-10	2.05E-07	3.54E-07	1.19E-05	5.38E-06	6.08E-05	1.54E-05	1.30E-05	9.45E-05	5.12E-06	1.14E-10	2.05E-07	3.54E-07	5.68E-06
3489	493363.09	3849377.25	1.16E-05	1.42E-10	2.03E-07	3.60E-07	1.22E-05	5.51E-06	6.27E-05	1.52E-05	1.32E-05	9.66E-05	5.25E-06	1.18E-10	2.03E-07	3.60E-07	5.81E-06
3490	493863.09	3849377.25	1.21E-05	1.49E-10	2.09E-07	3.71E-07	1.27E-05	5.76E-06	6.58E-05	1.57E-05	1.36E-05	1.01E-04	5.48E-06	1.23E-10	2.09E-07	3.71E-07	6.06E-06
3491	494363.09	3849377.25	1.33E-05	1.60E-10	2.32E-07	3.86E-07	1.39E-05	6.32E-06	7.02E-05	1.74E-05	1.41E-05	1.08E-04	6.01E-06	1.32E-10	2.32E-07	3.86E-07	6.63E-06
3492	494863.09	3849377.25	1.60E-05	1.80E-10	2.82E-07	4.08E-07	1.66E-05	7.59E-06	7.94E-05	2.12E-05	1.50E-05	1.23E-04	7.22E-06	1.49E-10	2.82E-07	4.08E-07	7.91E-06
3493	495363.09	3849377.25	1.76E-05	1.93E-10	3.16E-07	4.21E-07	1.83E-05	8.37E-06	8.51E-05	2.37E-05	1.54E-05	1.33E-04	7.97E-06	1.60E-10	3.16E-07	4.21E-07	8.70E-06
3494	495863.09	3849377.25	1.55E-05	1.77E-10	3.06E-07	4.16E-07	1.62E-05	7.36E-06	7.78E-05	2.30E-05	1.53E-05	1.23E-04	7.01E-06	1.46E-10	3.06E-07	4.16E-07	7.73E-06
3495	496363.09	3849377.25	1.61E-05	1.82E-10	3.28E-07	4.25E-07	1.68E-05	7.64E-06	8.00E-05	2.46E-05	1.56E-05	1.28E-04	7.27E-06	1.50E-10	3.28E-07	4.25E-07	8.03E-06
3496	496863.09	3849377.25	2.16E-05	2.26E-10	3.92E-07	4.62E-07	2.24E-05	1.03E-05	9.95E-05	2.94E-05	1.69E-05	1.56E-04	9.76E-06	1.87E-10	3.92E-07	4.62E-07	1.06E-05
3497	497363.09	3849377.25	2.45E-05	2.46E-10	4.18E-07	4.80E-07	2.54E-05	1.16E-05	1.08E-04	3.14E-05	1.76E-05	1.69E-04	1.11E-05	2.03E-10	4.18E-07	4.80E-07	1.20E-05
3498	497863.09	3849377.25	3.25E-05	3.00E-10	4.46E-07	5.07E-07	3.35E-05	1.55E-05	1.32E-04	3.34E-05	1.86E-05	2.00E-04	1.47E-05	2.48E-10	4.46E-07	5.07E-07	1.57E-05
3499	498363.09	3849377.25	3.26E-05	3.02E-10	4.36E-07	5.17E-07	3.36E-05	1.55E-05	1.33E-04	3.27E-05	1.89E-05	2.00E-04	1.48E-05	2.49E-10	4.36E-07	5.17E-07	1.57E-05
3500	471363.09	3849877.25	2.22E-05	3.07E-10	1.54E-07	2.14E-07	2.25E-05	1.05E-05	1.35E-04	1.15E-05	7.83E-06	1.65E-04	1.00E-05	2.53E-10	1.54E-07	2.14E-07	1.04E-05
3501	471863.09	3849877.25	2.51E-05	3.68E-10	1.47E-07	2.16E-07	2.54E-05	1.19E-05	1.62E-04	1.10E-05	7.93E-06	1.93E-04	1.13E-05	3.04E-10	1.47E-07	2.16E-07	1.17E-05
3502	472363.09	3849877.25	2.73E-05	4.13E-10	1.44E-07	2.19E-07	2.76E-05	1.30E-05	1.82E-04	1.08E-05	8.02E-06	2.14E-04	1.23E-05	3.41E-10	1.44E-07	2.19E-07	1.27E-05
3503	472863.09	3849877.25	2.92E-05	4.36E-10	1.45E-07	2.21E-07	2.96E-05	1.39E-05	1.92E-04	1.08E-05	8.11E-06	2.25E-04	1.32E-05	3.60E-10	1.45E-07	2.21E-07	1.36E-05
3504	473363.09	3849877.25	3.17E-05	4.41E-10	1.50E-07	2.24E-07	3.21E-05	1.51E-05	1.94E-04	1.12E-05	8.21E-06	2.29E-04	1.43E-05	3.65E-10	1.50E-07	2.24E-07	1.47E-05
3505	473863.09	3849877.25	3.51E-05	4.49E-10	1.56E-07	2.26E-07	3.54E-05	1.67E-05	1.98E-04	1.17E-05	8.30E-06	2.35E-04	1.59E-05	3.71E-10	1.56E-07	2.26E-07	1.62E-05
3506	474363.09	3849877.25	3.82E-05	4.51E-10	1.63E-07	2.29E-07	3.86E-05	1.82E-05	1.99E-04	1.22E-05	8.40E-06	2.38E-04	1.73E-05	3.73E-10	1.63E-07	2.29E-07	1.77E-05
3507	474863.09	3849877.25	4.01E-05	4.55E-10	1.66E-07	2.32E-07	4.05E-05	1.91E-05	2.00E-04	1.24E-05	8.52E-06	2.40E-04	1.82E-05	3.76E-10	1.66E-07	2.32E-07	1.86E-05
3508	475363.09	3849877.25	4.09E-05	4.45E-10	1.65E-07	2.35E-07	4.13E-05	1.94E-05	1.96E-04	1.24E-05	8.62E-06	2.36E-04	1.85E-05	3.67E-10	1.65E-07	2.35E-07	1.89E-05
3509	475863.09	3849877.25	4.12E-05	4.35E-10	1.62E-07	2.38E-07	4.16E-05	1.96E-05	1.92E-04	1.22E-05	8.71E-06	2.32E-04	1.86E-05	3.59E-10	1.62E-07	2.38E-07	1.90E-05
3510	476363.09	3849877.25	4.13E-05	4.41E-10	1.62E-07	2.38E-07	4.17E-05	1.96E-05	1.94E-04	1.21E-05	8.71E-06	2.34E-04	1.87E-05	3.64E-10	1.62E-07	2.38E-07	1.91E-05
3511	476863.09	3849877.25	4.13E-05	5.11E-10	1.65E-07	2.36E-07	4.17E-05	1.96E-05	2.25E-04	1.24E-05	8.65E-06	2.66E-04	1.87E-05	4.22E-10	1.65E-07	2.36E-07	1.91E-05
3512	477363.09	3849877.25	4.10E-05	6.24E-10	1.70E-07	2.33E-07	4.14E-05	1.95E-05	2.75E-04	1.28E-05	8.56E-06	3.15E-04	1.85E-05	5.15E-10	1.70E-07	2.33E-07	1.90E-05
3513	477863.09	3849877.25	3.93E-05	6.61E-10	1.75E-07	2.33E-07	3.97E-05	1.87E-05	2.91E-04	1.31E-05	8.56E-06	3.31E-04	1.78E-05	5.46E-10	1.75E-07	2.33E-07	1.82E-05
3514	478363.09	3849877.25	3.74E-05	6.13E-10	1.77E-07	2.42E-07	3.78E-05	1.78E-05	2.70E-04	1.33E-05	8.87E-06	3.10E-04	1.69E-05	5.06E-10	1.77E-07	2.42E-07	1.73E-05
3515	478863.09	3849877.25	4.49E-05	5.89E-10	1.74E-07	2.51E-07	4.54E-05	2.14E-05	2.59E-04	1.31E-05	9.19E-06	3.03E-04	2.03E-05	4.86E-10	1.74E-07	2.51E-07	2.07E-05
3516	479363.09	3849877.25	6.03E-05	4.80E-10	1.73E-07	2.60E-07	6.08E-05	2.87E-05	2.11E-04	1.29E-05	9.54E-06	2.63E-04	2.73E-05	3.96E-10	1.73E-07	2.60E-07	2.77E-05
3517	479863.09	3849877.25	6.62E-05	4.43E-10	1.75E-07	2.75E-07	6.67E-05	3.15E-05	1.95E-04	1.31E-05	1.01E-05	2.50E-04	3.00E-05	3.66E-10	1.75E-07	2.75E-07	3.04E-05
3518	480363.09	3849877.25	5.41E-05	3.61E-10	1.98E-07	2.87E-07	5.46E-05	2.57E-05	1.59E-04	1.49E-05	1.05E-05	2.10E-04	2.45E-05	2.98E-10	1.98E-07	2.87E-07	2.50E-05
3519	480863.09	3849877.25	3.82E-05	2.90E-10	2.58E-07	2.76E-07	3.87E-05	1.81E-05	1.28E-04	1.93E-05	1.01E-05	1.75E-04	1.73E-05	2.39E-10	2.58E-07	2.76E-07	1.78E-05
3520	481363.09	3849877.25	3.36E-05	2.59E-10	2.82E-07	2.79E-07	3.41E-05	1.60E-05	1.14E-04	2.12E-05	1.02E-05	1.61E-04	1.52E-05	2.14E-10	2.82E-07	2.79E-07	1.57E-05
3521	481863.09	3849877.25	2.07E-05	1.91E-10	2.09E-07	2.76E-07	2.12E-05	9.85E-06	8.41E-05	1.57E-05	1.01E-05	1.20E-04	9.37E-06	1.58E-10	2.09E-07	2.76E-07	9.86E-06
3522	482363.09	3849877.25	1.68E-05	1.72E-10	1.96E-07	2.76E-07	1.73E-05	8.00E-06	7.56E-05	1.47E-05	1.01E-05	1.08E-04	7.61E-06	1.42E-10	1.96E-07	2.76E-07	8.08E-06
3523	482863.09	3849877.25	1.42E-05	1.55E-10	1.95E-07	2.71E-07	1.47E-05	6.76E-06	6.84E-05	1.46E-05	9.95E-06	9.97E-05	6.44E-06	1.28E-10	1.95E-07	2.71E-07	6.90E-06
3524	483363.09	3849877.25	1.25E-05	1.42E-10	2.02E-07	2.68E-07	1.30E-05	5.94E-06	6.27E-05	1.51E-05	9.82E-06	9.36E-05	5.65E-06	1.18E-10	2.02E-07	2.68E-07	6.12E-06
3525	483863.09	3849877.25	1.26E-05	1.40E-10	2.21E-07	2.70E-07	1.31E-05	5.98E-06	6.17E-05	1.66E-05	9.91E-06	9.42E-05	5.69E-06	1.16E-10	2.21E-07	2.70E-07	6.18E-06
3526	484363.09	3849877.25	1.68E-05	1.62E-10	2.54E-07	2.82E-07	1.74E-05	8.00E-06	7.12E-05	1.91E-05	1.03E-05	1.09E-04	7.61E-06	1.34E-10	2.54E-07	2.82E-07	8.15E-06
3527	484863.09	3849877.25	2.22E-05	1.90E-10	3.08E-07	2.99E-07	2.29E-05	1.06E-05	8.38E-05	2.31E-05	1.10E-05	1.28E-04	1.01E-05	1.57E-10	3.08E-07	2.99E-07	1.07E-05
3528	485363.09	3849877.25	1.96E-05	1.84E-10	3.62E-07	3.03E-07	2.03E-05	9.32E-06	8.10E-05	2.72E-05	1.11E-05	1.29E-04	8.87E-06	1.52E-10	3.62E-07	3.03E-07	9.54E-06
3529	485863.09	3849877.25	1.53E-05	1.62E-10	3.63E-07	2.96E-07	1.59E-05	7.27E-06	7.12E-05	2.72E-05	1.09E-05	1.17E-04	6.92E-06	1.34E-10	3.63E-07	2.96E-07	7.58E-06
3530	486363.09	3849877.25	1.36E-05	1.52E-10	3.16E-07	2.90E-07	1.42E-05	6.48E-06	6.68E-05	2.37E-05	1.06E-05	1.08E-04	6.17E-06	1.25E-10	3.16E-07	2.90E-07	6.78E-06
3531	486863.09	3849877.25	1.49E-05	1.64E-10	2.68E-07	2.91E-07	1.55E-05	7.08E-06	7.21E-05	2.01E-05	1.07E-05	1.10E-04	6.74E-06	1.35E-10	2.68E-07	2.91E-07	7.30E-06
3532	487363.09	3849877.25	1.41E-05	1.62E-10	2.30E-07	2.95E-07	1.46E-05	6.71E-06	7.15E-05	1.73E-05	1.08E-05	1.06E-04	6.38E-06	1.34E-10	2.30E-07	2.95E-07	6.91E-06
3533	487863.09	3849877.25	1.36E-05	1.56E-10	2.19E-07	2.99E-07	1.42E-05	6.48E-06	6.87E-05	1.64E-05	1.10E-05	1.03E-04	6.17E-06	1.29E-10	2.19E-07	2.99E-07	6.69E-06
3534	488363.09	3849877.25	1.37E-05	1.58E-10	2.42E-07	3.07E-07	1.42E-05	6.50E-06	6.96E-05	1.82E-05	1.12E-05	1.06E-04	6.19E-06	1.31E-10	2.42E-07	3.07E-07	6.74E-06

3535	488863.09	3849877.25	1.43E-05	1.63E-10	2.80E-07	3.18E-07	1.49E-05	6.82E-06	7.18E-05	2.10E-05	1.17E-05	1.11E-04	6.49E-06	1.35E-10	2.80E-07	3.18E-07	7.09E-06
3536	489363.09	3849877.25	1.47E-05	1.67E-10	3.03E-07	3.32E-07	1.54E-05	7.01E-06	7.34E-05	2.27E-05	1.22E-05	1.15E-04	6.67E-06	1.38E-10	3.03E-07	3.32E-07	7.30E-06
3537	489863.09	3849877.25	1.47E-05	1.66E-10	2.97E-07	3.50E-07	1.53E-05	6.99E-06	7.31E-05	2.23E-05	1.28E-05	1.15E-04	6.65E-06	1.37E-10	2.97E-07	3.50E-07	7.30E-06
3538	490363.09	3849877.25	1.45E-05	1.62E-10	2.89E-07	3.58E-07	1.52E-05	6.91E-06	7.15E-05	2.17E-05	1.31E-05	1.13E-04	6.58E-06	1.34E-10	2.89E-07	3.58E-07	7.23E-06
3539	490863.09	3849877.25	1.49E-05	1.68E-10	2.95E-07	3.68E-07	1.56E-05	7.10E-06	7.40E-05	2.21E-05	1.35E-05	1.17E-04	6.76E-06	1.39E-10	2.95E-07	3.68E-07	7.42E-06
3540	491363.09	3849877.25	1.52E-05	1.72E-10	2.84E-07	3.78E-07	1.58E-05	7.21E-06	7.59E-05	2.13E-05	1.39E-05	1.18E-04	6.86E-06	1.42E-10	2.84E-07	3.78E-07	7.53E-06
3541	491863.09	3849877.25	1.48E-05	1.72E-10	2.47E-07	3.87E-07	1.55E-05	7.05E-06	7.59E-05	1.86E-05	1.42E-05	1.16E-04	6.70E-06	1.42E-10	2.47E-07	3.87E-07	7.34E-06
3542	492363.09	3849877.25	1.51E-05	1.72E-10	2.32E-07	3.98E-07	1.57E-05	7.16E-06	7.56E-05	1.74E-05	1.46E-05	1.15E-04	6.81E-06	1.42E-10	2.32E-07	3.98E-07	7.44E-06
3543	492863.09	3849877.25	1.48E-05	1.70E-10	2.29E-07	4.04E-07	1.54E-05	7.03E-06	7.47E-05	1.72E-05	1.48E-05	1.14E-04	6.69E-06	1.40E-10	2.29E-07	4.04E-07	7.32E-06
3544	493363.09	3849877.25	1.45E-05	1.71E-10	2.27E-07	4.08E-07	1.51E-05	6.90E-06	7.53E-05	1.70E-05	1.50E-05	1.14E-04	6.56E-06	1.41E-10	2.27E-07	4.08E-07	7.20E-06
3545	493863.09	3849877.25	1.50E-05	1.75E-10	2.37E-07	4.18E-07	1.56E-05	7.12E-06	7.72E-05	1.78E-05	1.53E-05	1.17E-04	6.77E-06	1.45E-10	2.37E-07	4.18E-07	7.43E-06
3546	494363.09	3849877.25	1.87E-05	2.04E-10	2.93E-07	4.45E-07	1.95E-05	8.91E-06	8.98E-05	2.20E-05	1.63E-05	1.37E-04	8.48E-06	1.68E-10	2.93E-07	4.45E-07	9.22E-06
3547	494863.09	3849877.25	2.21E-05	2.30E-10	3.44E-07	4.67E-07	2.29E-05	1.05E-05	1.01E-04	2.58E-05	1.71E-05	1.55E-04	9.98E-06	1.90E-10	3.44E-07	4.67E-07	1.08E-05
3548	495363.09	3849877.25	2.09E-05	2.22E-10	3.59E-07	4.69E-07	2.17E-05	9.92E-06	9.77E-05	2.69E-05	1.72E-05	1.52E-04	9.44E-06	1.83E-10	3.59E-07	4.69E-07	1.03E-05
3549	495863.09	3849877.25	2.49E-05	2.53E-10	4.16E-07	4.93E-07	2.58E-05	1.18E-05	1.12E-04	3.12E-05	1.81E-05	1.73E-04	1.13E-05	2.09E-10	4.16E-07	4.93E-07	1.22E-05
3550	496363.09	3849877.25	2.75E-05	2.72E-10	4.43E-07	5.11E-07	2.84E-05	1.31E-05	1.20E-04	3.32E-05	1.87E-05	1.85E-04	1.24E-05	2.24E-10	4.43E-07	5.11E-07	1.34E-05
3551	496863.09	3849877.25	2.97E-05	2.85E-10	4.52E-07	5.26E-07	3.07E-05	1.41E-05	1.26E-04	3.39E-05	1.93E-05	1.93E-04	1.34E-05	2.36E-10	4.52E-07	5.26E-07	1.44E-05
3552	497363.09	3849877.25	3.64E-05	3.29E-10	4.69E-07	5.49E-07	3.74E-05	1.73E-05	1.45E-04	3.52E-05	2.01E-05	2.18E-04	1.65E-05	2.72E-10	4.69E-07	5.49E-07	1.75E-05
3553	497863.09	3849877.25	4.00E-05	3.51E-10	4.70E-07	5.66E-07	4.10E-05	1.90E-05	1.55E-04	3.53E-05	2.07E-05	2.30E-04	1.81E-05	2.90E-10	4.70E-07	5.66E-07	1.91E-05
3554	498363.09	3849877.25	3.98E-05	3.53E-10	4.82E-07	5.75E-07	4.09E-05	1.89E-05	1.55E-04	3.62E-05	2.11E-05	2.31E-04	1.80E-05	2.91E-10	4.82E-07	5.75E-07	1.91E-05
3555	471363.09	3850377.25	1.98E-05	2.31E-10	1.73E-07	2.21E-07	2.02E-05	9.40E-06	1.02E-04	1.30E-05	8.11E-06	1.32E-04	8.94E-06	1.91E-10	1.73E-07	2.21E-07	9.34E-06
3556	471863.09	3850377.25	2.37E-05	3.07E-10	1.73E-07	2.26E-07	2.41E-05	1.13E-05	1.35E-04	1.30E-05	8.30E-06	1.68E-04	1.07E-05	2.53E-10	1.73E-07	2.26E-07	1.11E-05
3557	472363.09	3850377.25	2.57E-05	3.56E-10	1.65E-07	2.29E-07	2.61E-05	1.22E-05	1.57E-04	1.24E-05	8.40E-06	1.90E-04	1.16E-05	2.94E-10	1.65E-07	2.29E-07	1.20E-05
3558	472863.09	3850377.25	2.89E-05	4.38E-10	1.58E-07	2.32E-07	2.93E-05	1.38E-05	1.93E-04	1.19E-05	8.52E-06	2.27E-04	1.31E-05	3.62E-10	1.58E-07	2.32E-07	1.35E-05
3559	473363.09	3850377.25	3.07E-05	4.51E-10	1.53E-07	2.34E-07	3.11E-05	1.46E-05	1.98E-04	1.15E-05	8.59E-06	2.33E-04	1.39E-05	3.72E-10	1.53E-07	2.34E-07	1.43E-05
3560	473863.09	3850377.25	3.32E-05	4.77E-10	1.54E-07	2.37E-07	3.36E-05	1.58E-05	2.10E-04	1.15E-05	8.68E-06	2.46E-04	1.50E-05	3.94E-10	1.54E-07	2.37E-07	1.54E-05
3561	474363.09	3850377.25	3.64E-05	4.99E-10	1.59E-07	2.40E-07	3.68E-05	1.73E-05	2.20E-04	1.19E-05	8.81E-06	2.58E-04	1.65E-05	4.12E-10	1.59E-07	2.40E-07	1.69E-05
3562	474863.09	3850377.25	4.03E-05	5.05E-10	1.67E-07	2.44E-07	4.07E-05	1.92E-05	2.22E-04	1.25E-05	8.94E-06	2.63E-04	1.82E-05	4.17E-10	1.67E-07	2.44E-07	1.86E-05
3563	475363.09	3850377.25	4.37E-05	5.11E-10	1.73E-07	2.47E-07	4.42E-05	2.08E-05	2.25E-04	1.29E-05	9.06E-06	2.68E-04	1.98E-05	4.22E-10	1.73E-07	2.47E-07	2.02E-05
3564	475863.09	3850377.25	4.60E-05	5.04E-10	1.74E-07	2.51E-07	4.64E-05	2.19E-05	2.22E-04	1.31E-05	9.19E-06	2.66E-04	2.08E-05	4.16E-10	1.74E-07	2.51E-07	2.12E-05
3565	476363.09	3850377.25	4.69E-05	4.89E-10	1.73E-07	2.53E-07	4.73E-05	2.23E-05	2.15E-04	1.29E-05	9.28E-06	2.60E-04	2.12E-05	4.04E-10	1.73E-07	2.53E-07	2.16E-05
3566	476863.09	3850377.25	4.72E-05	4.94E-10	1.71E-07	2.55E-07	4.77E-05	2.25E-05	2.17E-04	1.28E-05	9.35E-06	2.62E-04	2.14E-05	4.08E-10	1.71E-07	2.55E-07	2.18E-05
3567	477363.09	3850377.25	4.74E-05	5.70E-10	1.73E-07	2.53E-07	4.78E-05	2.25E-05	2.51E-04	1.30E-05	9.28E-06	2.96E-04	2.14E-05	4.71E-10	1.73E-07	2.53E-07	2.19E-05
3568	477863.09	3850377.25	4.72E-05	6.94E-10	1.79E-07	2.51E-07	4.76E-05	2.24E-05	3.06E-04	1.34E-05	9.19E-06	3.51E-04	2.14E-05	5.73E-10	1.79E-07	2.51E-07	2.18E-05
3569	478363.09	3850377.25	4.56E-05	7.33E-10	1.84E-07	2.51E-07	4.61E-05	2.17E-05	3.23E-04	1.38E-05	9.19E-06	3.68E-04	2.06E-05	6.06E-10	1.84E-07	2.51E-07	2.11E-05
3570	478863.09	3850377.25	4.44E-05	7.41E-10	1.86E-07	2.57E-07	4.48E-05	2.11E-05	3.26E-04	1.40E-05	9.41E-06	3.71E-04	2.01E-05	6.12E-10	1.86E-07	2.57E-07	2.05E-05
3571	479363.09	3850377.25	5.18E-05	7.06E-10	1.85E-07	2.63E-07	5.22E-05	2.46E-05	3.11E-04	1.39E-05	9.66E-06	3.59E-04	2.34E-05	5.83E-10	1.85E-07	2.63E-07	2.39E-05
3572	479863.09	3850377.25	7.00E-05	5.82E-10	1.82E-07	2.76E-07	7.04E-05	3.33E-05	2.56E-04	1.37E-05	1.01E-05	3.13E-04	3.17E-05	4.81E-10	1.82E-07	2.76E-07	3.21E-05
3573	480363.09	3850377.25	7.61E-05	5.01E-10	1.85E-07	2.98E-07	7.66E-05	3.62E-05	2.21E-04	1.39E-05	1.09E-05	2.82E-04	3.44E-05	4.14E-10	1.85E-07	2.98E-07	3.49E-05
3574	480863.09	3850377.25	6.58E-05	4.63E-10	2.09E-07	3.06E-07	6.63E-05	3.13E-05	2.04E-04	1.57E-05	1.12E-05	2.62E-04	2.97E-05	3.82E-10	2.09E-07	3.06E-07	3.03E-05
3575	481363.09	3850377.25	4.15E-05	3.04E-10	2.80E-07	2.97E-07	4.20E-05	1.97E-05	1.34E-04	2.10E-05	1.09E-05	1.85E-04	1.88E-05	2.51E-10	2.80E-07	2.97E-07	1.93E-05
3576	481863.09	3850377.25	3.82E-05	2.82E-10	3.24E-07	3.21E-07	3.88E-05	1.81E-05	1.24E-04	2.43E-05	1.18E-05	1.78E-04	1.73E-05	2.33E-10	3.24E-07	3.21E-07	1.79E-05
3577	482363.09	3850377.25	3.38E-05	2.62E-10	2.56E-07	3.38E-07	3.44E-05	1.61E-05	1.15E-04	1.92E-05	1.24E-05	1.63E-04	1.53E-05	2.16E-10	2.56E-07	3.38E-07	1.59E-05
3578	482863.09	3850377.25	2.21E-05	2.00E-10	2.17E-07	3.00E-07	2.26E-05	1.05E-05	8.82E-05	1.63E-05	1.10E-05	1.26E-04	9.99E-06	1.65E-10	2.17E-07	3.00E-07	1.05E-05
3579	483363.09	3850377.25	1.72E-05	1.74E-10	2.13E-07	2.90E-07	1.77E-05	8.17E-06	7.65E-05	1.59E-05	1.06E-05	1.11E-04	7.77E-06	1.44E-10	2.13E-07	2.90E-07	8.27E-06
3580	483863.09	3850377.25	1.83E-05	1.80E-10	2.36E-07	2.94E-07	1.88E-05	8.71E-06	7.94E-05	1.77E-05	1.08E-05	1.17E-04	8.29E-06	1.49E-10	2.36E-07	2.94E-07	8.82E-06
3581	484363.09	3850377.25	2.29E-05	1.96E-10	2.80E-07	3.04E-07	2.35E-05	1.09E-05	8.63E-05	2.10E-05	1.11E-05	1.29E-04	1.03E-05	1.62E-10	2.80E-07	3.04E-07	1.09E-05
3582	484863.09	3850377.25	2.72E-05	2.14E-10	3.07E-07	3.22E-07	2.78E-05	1.29E-05	9.42E-05	2.30E-05	1.18E-05	1.42E-04	1.23E-05	1.77E-10	3.07E-07	3.22E-07	1.29E-05
3583	485363.09	3850377.25	2.51E-05	2.17E-10	3.78E-07	3.35E-07	2.58E-05	1.19E-05	9.54E-05	2.83E-05	1.23E-05	1.48E-04	1.14E-05	1.79E-10	3.78E-07	3.35E-07	1.21E-05
3584	485863.09	3850377.25	2.10E-05	1.98E-10	4.26E-07	3.31E-07	2.18E-05	1.00E-05	8.73E-05	3.20E-05	1.21E-05	1.41E-04	9.51E-06	1.64E-10	4.26E-07	3.31E-07	1.03E-05
3585	486363.09	3850377.25	1.96E-05	1.92E-10	4.02E-07	3.25E-07	2.03E-05	9.31E-06	8.44E-05	3.02E-05	1.19E-05	1.36E-04	8.86E-06	1.58E-10	4.02E-07	3.25E-07	9.58E-06
3586	486863.09	3850377.25	1.89E-05	1.97E-10	3.33E-07	3.26E-07	1.96E-05	8.99E-06	8.69E-05	2.50E-05	1.20E-05	1.33E-04	8.55E-06	1.63E-10	3.33E-07	3.26E-07	9.21E-06
3587	487363.09	3850377.25	1.73E-05	1.90E-10	2.53E-07	3.27E-07	1.79E-05	8.22E-06	8.35E-05	1.90E-05	1.20E-05	1.23E-04	7.82E-06	1.57E-10	2.53E-07	3.27E-07	8.40E-06
3588	487863.09	3850377.25	1.69E-05	1.84E-10	2.35E-07	3.32E-07	1.74E-05	8.02E-06	8.10E-05	1.76E-05	1.22E-05	1.19E-04	7.63E-06	1.52E-10	2.35E-07	3.32E-07	8.20E-06
3589	488363.09	3850377.25	1.73E-05	1.87E-10	2.59E-07	3.43E-07	1.79E-05	8.20E-06	8.25E-05	1.95E-05	1.26E-05	1.23E-04	7.81E-06	1.55E-10	2.59E-07	3.43E-07	8.41E-06
3590	488863.09	3850377.25	1.81E-05	1.92E-10	3.01E-07	3.56E-07	1.87E-05	8.60E-06	8.47E-05	2.26E-05	1.31E-05	1.29E-04	8.18E-06	1.59E-10	3.01E-07	3.56E-07	8.84E-06
3591	489363.09	3850377.25	1.82E-05	1.96E-10	3.21E-07	3.78E-07	1.89E-05	8.65E-06	8.63E-05	2.41E-05	1.39E-05	1.33E-04	8.23E-06	1.62E-10	3.21E-07	3.78E-07	8.93E-06
3592	489863.09	3850377.25	1.81E-05	1.95E-10	3.13E-07	3.98E-07	1.88E-05	8.61E-06	8.57E-05	2.35E-05	1.46E-05	1.32E-04	8.20E-06	1.61E-10	3.13E-07	3.98E-07	8.91E-06
3593	490363.09	3850377.25	1.85E-05	1.96E-10	3.12E-07	4.09E-07	1.92E-05	8.78E-06	8.63E-05	2.34E-05	1.50E-05	1.33E-04	8.36E-06	1.62E-10	3.12E-07	4.09E-07	9.08E-06
3594	490863.09	3850377.25	1.86E-05	2.03E-10	3.16E-07	4.16E-07	1.94E-05	8.86E-06	8.95E-05	2.37E-05	1.53E-05	1.37E-04	8.43E-06	1.68E-10	3.16E-07	4.16E-07	9.16E-06
3595	491363.09	3850377.25	1.91E-05	2.09E-10	2.96E-07	4.29E-07	1.99E-05	9.10E-06	9.20E-05	2.22E-05	1.57E-05	1.39E-04	8.66E-06	1.73E-10	2.96E-07	4.29E-07	9.38E-06

3596	491863.09	3850377.25	1.91E-05	2.07E-10	2.66E-07	4.39E-07	1.98E-05	9.06E-06	9.14E-05	2.00E-05	1.61E-05	1.36E-04	8.62E-06	1.71E-10	2.66E-07	4.39E-07	9.33E-06
3597	492363.09	3850377.25	1.89E-05	2.05E-10	2.50E-07	4.51E-07	1.96E-05	8.99E-06	9.04E-05	1.88E-05	1.65E-05	1.35E-04	8.55E-06	1.70E-10	2.50E-07	4.51E-07	9.25E-06
3598	492863.09	3850377.25	1.93E-05	2.11E-10	2.53E-07	4.64E-07	2.00E-05	9.18E-06	9.29E-05	1.89E-05	1.70E-05	1.38E-04	8.73E-06	1.74E-10	2.53E-07	4.64E-07	9.45E-06
3599	493363.09	3850377.25	1.95E-05	2.12E-10	2.65E-07	4.70E-07	2.02E-05	9.27E-06	9.36E-05	1.99E-05	1.72E-05	1.40E-04	8.82E-06	1.75E-10	2.65E-07	4.70E-07	9.56E-06
3600	493863.09	3850377.25	2.22E-05	2.34E-10	3.05E-07	4.89E-07	2.30E-05	1.06E-05	1.03E-04	2.29E-05	1.79E-05	1.54E-04	1.01E-05	1.93E-10	3.05E-07	4.89E-07	1.09E-05
3601	494363.09	3850377.25	2.49E-05	2.52E-10	3.53E-07	5.08E-07	2.57E-05	1.18E-05	1.11E-04	2.65E-05	1.86E-05	1.68E-04	1.13E-05	2.09E-10	3.53E-07	5.08E-07	1.21E-05
3602	494863.09	3850377.25	2.89E-05	2.83E-10	4.17E-07	5.28E-07	2.99E-05	1.38E-05	1.24E-04	3.13E-05	1.94E-05	1.89E-04	1.31E-05	2.33E-10	4.17E-07	5.28E-07	1.40E-05
3603	495363.09	3850377.25	3.41E-05	3.18E-10	4.67E-07	5.50E-07	3.51E-05	1.62E-05	1.40E-04	3.50E-05	2.02E-05	2.12E-04	1.54E-05	2.63E-10	4.67E-07	5.50E-07	1.65E-05
3604	495863.09	3850377.25	3.42E-05	3.20E-10	4.83E-07	5.64E-07	3.53E-05	1.63E-05	1.41E-04	3.62E-05	2.07E-05	2.14E-04	1.55E-05	2.64E-10	4.83E-07	5.64E-07	1.65E-05
3605	496363.09	3850377.25	3.97E-05	3.53E-10	5.08E-07	5.85E-07	4.08E-05	1.89E-05	1.55E-04	3.81E-05	2.14E-05	2.34E-04	1.80E-05	2.91E-10	5.08E-07	5.85E-07	1.91E-05
3606	496863.09	3850377.25	4.51E-05	3.86E-10	5.06E-07	6.04E-07	4.62E-05	2.15E-05	1.70E-04	3.80E-05	2.22E-05	2.51E-04	2.04E-05	3.18E-10	5.06E-07	6.04E-07	2.15E-05
3607	497363.09	3850377.25	4.82E-05	4.05E-10	5.08E-07	6.22E-07	4.93E-05	2.29E-05	1.78E-04	3.81E-05	2.28E-05	2.62E-04	2.18E-05	3.34E-10	5.08E-07	6.22E-07	2.29E-05
3608	497863.09	3850377.25	4.89E-05	4.13E-10	5.26E-07	6.32E-07	5.00E-05	2.32E-05	1.82E-04	3.94E-05	2.32E-05	2.68E-04	2.21E-05	3.41E-10	5.26E-07	6.32E-07	2.33E-05
3609	498363.09	3850377.25	4.91E-05	4.21E-10	5.59E-07	6.45E-07	5.03E-05	2.33E-05	1.86E-04	4.19E-05	2.36E-05	2.74E-04	2.22E-05	3.48E-10	5.59E-07	6.45E-07	2.34E-05
3610	471363.09	3850877.25	2.61E-05	2.61E-10	2.14E-07	2.38E-07	2.66E-05	1.24E-05	1.15E-04	1.61E-05	8.71E-06	1.52E-04	1.18E-05	2.16E-10	2.14E-07	2.38E-07	1.23E-05
3611	471863.09	3850877.25	2.75E-05	2.94E-10	2.11E-07	2.42E-07	2.79E-05	1.31E-05	1.29E-04	1.58E-05	8.87E-06	1.67E-04	1.24E-05	2.43E-10	2.11E-07	2.42E-07	1.29E-05
3612	472363.09	3850877.25	2.92E-05	3.47E-10	2.06E-07	2.46E-07	2.97E-05	1.39E-05	1.53E-04	1.54E-05	9.03E-06	1.91E-04	1.32E-05	2.87E-10	2.06E-07	2.46E-07	1.37E-05
3613	472863.09	3850877.25	3.06E-05	4.15E-10	1.95E-07	2.48E-07	3.10E-05	1.45E-05	1.83E-04	1.46E-05	9.09E-06	2.21E-04	1.38E-05	3.43E-10	1.95E-07	2.48E-07	1.43E-05
3614	473363.09	3850877.25	3.01E-05	4.06E-10	1.79E-07	2.48E-07	3.05E-05	1.43E-05	1.79E-04	1.34E-05	9.09E-06	2.16E-04	1.36E-05	3.36E-10	1.79E-07	2.48E-07	1.40E-05
3615	473863.09	3850877.25	3.27E-05	4.69E-10	1.68E-07	2.51E-07	3.31E-05	1.55E-05	2.07E-04	1.26E-05	9.19E-06	2.44E-04	1.48E-05	3.88E-10	1.68E-07	2.51E-07	1.52E-05
3616	474363.09	3850877.25	3.56E-05	5.36E-10	1.64E-07	2.53E-07	3.60E-05	1.69E-05	2.36E-04	1.23E-05	9.28E-06	2.74E-04	1.61E-05	4.42E-10	1.64E-07	2.53E-07	1.65E-05
3617	474863.09	3850877.25	3.84E-05	5.56E-10	1.64E-07	2.57E-07	3.89E-05	1.83E-05	2.45E-04	1.23E-05	9.41E-06	2.85E-04	1.74E-05	4.59E-10	1.64E-07	2.57E-07	1.78E-05
3618	475363.09	3850877.25	4.23E-05	5.69E-10	1.70E-07	2.60E-07	4.28E-05	2.01E-05	2.50E-04	1.28E-05	9.54E-06	2.93E-04	1.92E-05	4.70E-10	1.70E-07	2.60E-07	1.96E-05
3619	475863.09	3850877.25	4.68E-05	5.76E-10	1.78E-07	2.63E-07	4.72E-05	2.22E-05	2.54E-04	1.33E-05	9.66E-06	2.99E-04	2.12E-05	4.76E-10	1.78E-07	2.63E-07	2.16E-05
3620	476363.09	3850877.25	5.04E-05	5.74E-10	1.84E-07	2.68E-07	5.09E-05	2.40E-05	2.53E-04	1.38E-05	9.82E-06	3.01E-04	2.28E-05	4.74E-10	1.84E-07	2.68E-07	2.33E-05
3621	476863.09	3850877.25	5.32E-05	5.62E-10	1.84E-07	2.71E-07	5.36E-05	2.53E-05	2.48E-04	1.38E-05	9.95E-06	2.97E-04	2.41E-05	4.64E-10	1.84E-07	2.71E-07	2.45E-05
3622	477363.09	3850877.25	5.45E-05	5.64E-10	1.83E-07	2.74E-07	5.50E-05	2.59E-05	2.49E-04	1.37E-05	1.00E-05	2.98E-04	2.47E-05	4.66E-10	1.83E-07	2.74E-07	2.51E-05
3623	477863.09	3850877.25	5.49E-05	6.42E-10	1.83E-07	2.73E-07	5.54E-05	2.61E-05	2.83E-04	1.37E-05	1.00E-05	3.33E-04	2.49E-05	5.31E-10	1.83E-07	2.73E-07	2.53E-05
3624	478363.09	3850877.25	5.49E-05	7.97E-10	1.88E-07	2.70E-07	5.54E-05	2.61E-05	3.51E-04	1.41E-05	9.91E-06	4.01E-04	2.48E-05	6.58E-10	1.88E-07	2.70E-07	2.53E-05
3625	478863.09	3850877.25	5.40E-05	9.08E-10	1.94E-07	2.70E-07	5.45E-05	2.57E-05	4.00E-04	1.45E-05	9.88E-06	4.50E-04	2.44E-05	7.50E-10	1.94E-07	2.70E-07	2.49E-05
3626	479363.09	3850877.25	5.27E-05	8.69E-10	1.97E-07	2.75E-07	5.32E-05	2.51E-05	3.83E-04	1.48E-05	1.01E-05	4.33E-04	2.39E-05	7.18E-10	1.97E-07	2.75E-07	2.43E-05
3627	479863.09	3850877.25	5.97E-05	7.80E-10	1.96E-07	2.84E-07	6.01E-05	2.84E-05	3.44E-04	1.47E-05	1.04E-05	3.97E-04	2.70E-05	6.45E-10	1.96E-07	2.84E-07	2.75E-05
3628	480363.09	3850877.25	7.92E-05	7.52E-10	1.94E-07	2.92E-07	7.96E-05	3.76E-05	3.31E-04	1.45E-05	1.07E-05	3.94E-04	3.58E-05	6.21E-10	1.94E-07	2.92E-07	3.63E-05
3629	480863.09	3850877.25	9.02E-05	6.66E-10	1.96E-07	3.11E-07	9.08E-05	4.29E-05	2.93E-04	1.47E-05	1.14E-05	3.62E-04	4.08E-05	5.50E-10	1.96E-07	3.11E-07	4.13E-05
3630	481363.09	3850877.25	7.63E-05	5.52E-10	2.20E-07	3.25E-07	7.68E-05	3.63E-05	2.43E-04	1.65E-05	1.19E-05	3.08E-04	3.45E-05	4.56E-10	2.20E-07	3.25E-07	3.50E-05
3631	481863.09	3850877.25	6.16E-05	4.49E-10	2.95E-07	3.42E-07	6.23E-05	2.93E-05	1.98E-04	2.21E-05	1.25E-05	2.62E-04	2.79E-05	3.71E-10	2.95E-07	3.42E-07	2.85E-05
3632	482363.09	3850877.25	4.92E-05	3.45E-10	3.21E-07	3.62E-07	4.99E-05	2.34E-05	1.52E-04	2.40E-05	1.33E-05	2.13E-04	2.23E-05	2.85E-10	3.21E-07	3.62E-07	2.29E-05
3633	482863.09	3850877.25	3.88E-05	2.87E-10	2.69E-07	3.71E-07	3.95E-05	1.85E-05	1.26E-04	2.02E-05	1.36E-05	1.79E-04	1.76E-05	2.37E-10	2.69E-07	3.71E-07	1.82E-05
3634	483363.09	3850877.25	2.85E-05	2.34E-10	2.63E-07	3.30E-07	2.91E-05	1.36E-05	1.03E-04	1.97E-05	1.21E-05	1.48E-04	1.29E-05	1.93E-10	2.63E-07	3.30E-07	1.35E-05
3635	483863.09	3850877.25	2.65E-05	2.25E-10	2.86E-07	3.20E-07	2.71E-05	1.26E-05	9.89E-05	2.14E-05	1.17E-05	1.45E-04	1.20E-05	1.86E-10	2.86E-07	3.20E-07	1.26E-05
3636	484363.09	3850877.25	3.19E-05	2.47E-10	3.24E-07	3.32E-07	3.26E-05	1.52E-05	1.09E-04	2.43E-05	1.22E-05	1.61E-04	1.44E-05	2.04E-10	3.24E-07	3.32E-07	1.51E-05
3637	484863.09	3850877.25	3.21E-05	2.37E-10	3.21E-07	3.52E-07	3.28E-05	1.53E-05	1.05E-04	2.41E-05	1.29E-05	1.57E-04	1.45E-05	1.96E-10	3.21E-07	3.52E-07	1.52E-05
3638	485363.09	3850877.25	3.10E-05	2.51E-10	3.78E-07	3.69E-07	3.18E-05	1.47E-05	1.11E-04	2.84E-05	1.35E-05	1.67E-04	1.40E-05	2.07E-10	3.78E-07	3.69E-07	1.48E-05
3639	485863.09	3850877.25	2.54E-05	2.25E-10	4.55E-07	3.63E-07	2.62E-05	1.21E-05	9.92E-05	3.41E-05	1.33E-05	1.59E-04	1.15E-05	1.86E-10	4.55E-07	3.63E-07	1.23E-05
3640	486363.09	3850877.25	2.48E-05	2.30E-10	4.63E-07	3.71E-07	2.56E-05	1.18E-05	1.01E-04	3.47E-05	1.36E-05	1.61E-04	1.12E-05	1.90E-10	4.63E-07	3.71E-07	1.21E-05
3641	486863.09	3850877.25	2.35E-05	2.33E-10	3.98E-07	3.74E-07	2.43E-05	1.12E-05	1.03E-04	2.99E-05	1.37E-05	1.57E-04	1.06E-05	1.93E-10	3.98E-07	3.74E-07	1.14E-05
3642	487363.09	3850877.25	2.11E-05	2.24E-10	2.87E-07	3.67E-07	2.18E-05	1.00E-05	9.86E-05	2.15E-05	1.35E-05	1.44E-04	9.55E-06	1.85E-10	2.87E-07	3.67E-07	1.02E-05
3643	487863.09	3850877.25	2.11E-05	2.19E-10	2.53E-07	3.73E-07	2.17E-05	1.00E-05	9.64E-05	1.90E-05	1.37E-05	1.39E-04	9.53E-06	1.81E-10	2.53E-07	3.73E-07	1.02E-05
3644	488363.09	3850877.25	2.24E-05	2.25E-10	2.79E-07	3.88E-07	2.31E-05	1.07E-05	9.92E-05	2.09E-05	1.42E-05	1.45E-04	1.01E-05	1.86E-10	2.79E-07	3.88E-07	1.08E-05
3645	488863.09	3850877.25	2.27E-05	2.30E-10	3.24E-07	4.12E-07	2.35E-05	1.08E-05	1.01E-04	2.43E-05	1.51E-05	1.51E-04	1.03E-05	1.90E-10	3.24E-07	4.12E-07	1.10E-05
3646	489363.09	3850877.25	2.30E-05	2.37E-10	3.48E-07	4.37E-07	2.38E-05	1.10E-05	1.04E-04	2.61E-05	1.60E-05	1.57E-04	1.04E-05	1.96E-10	3.48E-07	4.37E-07	1.12E-05
3647	489863.09	3850877.25	2.34E-05	2.38E-10	3.33E-07	4.56E-07	2.42E-05	1.11E-05	1.05E-04	2.49E-05	1.67E-05	1.58E-04	1.06E-05	1.97E-10	3.33E-07	4.56E-07	1.14E-05
3648	490363.09	3850877.25	2.41E-05	2.47E-10	3.45E-07	4.68E-07	2.49E-05	1.14E-05	1.09E-04	2.59E-05	1.72E-05	1.63E-04	1.09E-05	2.04E-10	3.45E-07	4.68E-07	1.17E-05
3649	490863.09	3850877.25	2.51E-05	2.56E-10	3.39E-07	4.81E-07	2.59E-05	1.19E-05	1.13E-04	2.55E-05	1.76E-05	1.68E-04	1.13E-05	2.11E-10	3.39E-07	4.81E-07	1.22E-05
3650	491363.09	3850877.25	2.57E-05	2.60E-10	3.06E-07	4.94E-07	2.65E-05	1.22E-05	1.14E-04	2.30E-05	1.81E-05	1.68E-04	1.16E-05	2.14E-10	3.06E-07	4.94E-07	1.24E-05
3651	491863.09	3850877.25	2.62E-05	2.60E-10	2.80E-07	5.08E-07	2.70E-05	1.24E-05	1.15E-04	2.10E-05	1.86E-05	1.67E-04	1.18E-05	2.15E-10	2.80E-07	5.08E-07	1.26E-05
3652	492363.09	3850877.25	2.64E-05	2.65E-10	2.79E-07	5.20E-07	2.72E-05	1.26E-05	1.17E-04	2.09E-05	1.91E-05	1.69E-04	1.19E-05	2.19E-10	2.79E-07	5.20E-07	1.27E-05
3653	492863.09	3850877.25	2.74E-05	2.75E-10	2.89E-07	5.36E-07	2.82E-05	1.30E-05	1.21E-04	2.17E-05	1.96E-05	1.75E-04	1.24E-05	2.27E-10	2.89E-07	5.36E-07	1.32E-05
3654	493363.09	3850877.25	2.91E-05	2.87E-10	3.28E-07	5.49E-07	3.00E-05	1.38E-05	1.26E-04	2.46E-05	2.01E-05	1.85E-04	1.32E-05	2.37E-10	3.28E-07	5.49E-07	1.40E-05
3655	493863.09	3850877.25	3.34E-05	3.15E-10	3.87E-07	5.69E-07	3.44E-05	1.59E-05	1.39E-04	2.90E-05	2.09E-05	2.04E-04	1.51E-05	2.60E-10	3.87E-07	5.69E-07	1.61E-05
3656	494363.09	3850877.25	3.65E-05	3.33E-10	4.43E-07	5.86E-07	3.75E-05	1.73E-05	1.47E-04	3.32E-05	2.15E-05	2.19E-04	1.65E-05	2.75E-10	4.43E-07	5.86E-07	1.75E-05

3657	494863.09	3850877.25	4.19E-05	3.68E-10	4.99E-07	6.07E-07	4.30E-05	1.99E-05	1.62E-04	3.74E-05	2.23E-05	2.42E-04	1.89E-05	3.04E-10	4.99E-07	6.07E-07	2.00E-05
3658	495363.09	3850877.25	4.78E-05	4.06E-10	5.47E-07	6.31E-07	4.90E-05	2.27E-05	1.79E-04	4.10E-05	2.31E-05	2.66E-04	2.16E-05	3.35E-10	5.47E-07	6.31E-07	2.28E-05
3659	495863.09	3850877.25	5.03E-05	4.20E-10	5.52E-07	6.48E-07	5.15E-05	2.39E-05	1.85E-04	4.14E-05	2.38E-05	2.74E-04	2.27E-05	3.47E-10	5.52E-07	6.48E-07	2.39E-05
3660	496363.09	3850877.25	5.40E-05	4.43E-10	5.45E-07	6.67E-07	5.52E-05	2.57E-05	1.95E-04	4.09E-05	2.45E-05	2.86E-04	2.44E-05	3.66E-10	5.45E-07	6.67E-07	2.56E-05
3661	496863.09	3850877.25	5.95E-05	4.77E-10	5.60E-07	6.87E-07	6.07E-05	2.83E-05	2.10E-04	4.20E-05	2.52E-05	3.06E-04	2.69E-05	3.94E-10	5.60E-07	6.87E-07	2.82E-05
3662	497363.09	3850877.25	6.06E-05	4.89E-10	5.78E-07	6.98E-07	6.19E-05	2.88E-05	2.15E-04	4.34E-05	2.56E-05	3.13E-04	2.74E-05	4.04E-10	5.78E-07	6.98E-07	2.87E-05
3663	497863.09	3850877.25	6.03E-05	4.94E-10	6.13E-07	7.06E-07	6.16E-05	2.86E-05	2.17E-04	4.60E-05	2.59E-05	3.18E-04	2.73E-05	4.08E-10	6.13E-07	7.06E-07	2.86E-05
3664	498363.09	3850877.25	5.96E-05	4.97E-10	6.51E-07	7.12E-07	6.10E-05	2.83E-05	2.19E-04	4.88E-05	2.61E-05	3.22E-04	2.70E-05	4.11E-10	6.51E-07	7.12E-07	2.83E-05
3665	471363.09	3851377.25	2.92E-05	2.71E-10	2.53E-07	2.55E-07	2.97E-05	1.39E-05	1.19E-04	1.90E-05	9.35E-06	1.62E-04	1.32E-05	2.24E-10	2.53E-07	2.55E-07	1.37E-05
3666	471863.09	3851377.25	3.45E-05	3.32E-10	2.59E-07	2.63E-07	3.50E-05	1.64E-05	1.46E-04	1.95E-05	9.63E-06	1.92E-04	1.56E-05	2.74E-10	2.59E-07	2.63E-07	1.61E-05
3667	472363.09	3851377.25	3.49E-05	3.45E-10	2.49E-07	2.63E-07	3.55E-05	1.66E-05	1.52E-04	1.87E-05	9.66E-06	1.97E-04	1.58E-05	2.85E-10	2.49E-07	2.63E-07	1.63E-05
3668	472863.09	3851377.25	3.48E-05	3.58E-10	2.37E-07	2.65E-07	3.53E-05	1.65E-05	1.58E-04	1.78E-05	9.72E-06	2.02E-04	1.57E-05	2.96E-10	2.37E-07	2.65E-07	1.62E-05
3669	473363.09	3851377.25	3.18E-05	3.36E-10	2.19E-07	2.63E-07	3.23E-05	1.51E-05	1.48E-04	1.64E-05	9.66E-06	1.89E-04	1.44E-05	2.78E-10	2.19E-07	2.63E-07	1.49E-05
3670	473863.09	3851377.25	3.23E-05	3.70E-10	2.05E-07	2.65E-07	3.28E-05	1.54E-05	1.63E-04	1.54E-05	9.72E-06	2.03E-04	1.46E-05	3.05E-10	2.05E-07	2.65E-07	1.51E-05
3671	474363.09	3851377.25	3.57E-05	4.63E-10	1.94E-07	2.70E-07	3.62E-05	1.70E-05	2.04E-04	1.45E-05	9.88E-06	2.46E-04	1.62E-05	3.83E-10	1.94E-07	2.70E-07	1.66E-05
3672	474863.09	3851377.25	3.85E-05	5.45E-10	1.82E-07	2.72E-07	3.89E-05	1.83E-05	2.40E-04	1.37E-05	9.98E-06	2.82E-04	1.74E-05	4.50E-10	1.82E-07	2.72E-07	1.79E-05
3673	475363.09	3851377.25	4.13E-05	5.99E-10	1.75E-07	2.75E-07	4.17E-05	1.96E-05	2.64E-04	1.31E-05	1.01E-05	3.06E-04	1.87E-05	4.94E-10	1.75E-07	2.75E-07	1.91E-05
3674	475863.09	3851377.25	4.48E-05	6.23E-10	1.76E-07	2.79E-07	4.53E-05	2.13E-05	2.74E-04	1.32E-05	1.02E-05	3.19E-04	2.03E-05	5.15E-10	1.76E-07	2.79E-07	2.07E-05
3675	476363.09	3851377.25	4.97E-05	6.37E-10	1.83E-07	2.83E-07	5.02E-05	2.36E-05	2.81E-04	1.37E-05	1.04E-05	3.28E-04	2.25E-05	5.26E-10	1.83E-07	2.83E-07	2.30E-05
3676	476863.09	3851377.25	5.53E-05	6.19E-10	1.90E-07	2.88E-07	5.58E-05	2.63E-05	2.73E-04	1.42E-05	1.05E-05	3.24E-04	2.50E-05	5.12E-10	1.90E-07	2.88E-07	2.55E-05
3677	477363.09	3851377.25	5.98E-05	6.45E-10	1.95E-07	2.93E-07	6.03E-05	2.84E-05	2.84E-04	1.46E-05	1.07E-05	3.38E-04	2.71E-05	5.33E-10	1.95E-07	2.93E-07	2.76E-05
3678	477863.09	3851377.25	6.31E-05	6.46E-10	1.96E-07	2.96E-07	6.36E-05	3.00E-05	2.84E-04	1.47E-05	1.09E-05	3.40E-04	2.85E-05	5.33E-10	1.96E-07	2.96E-07	2.90E-05
3679	478363.09	3851377.25	6.45E-05	7.15E-10	1.95E-07	2.96E-07	6.50E-05	3.07E-05	3.15E-04	1.46E-05	1.09E-05	3.71E-04	2.92E-05	5.90E-10	1.95E-07	2.96E-07	2.97E-05
3680	478863.09	3851377.25	6.48E-05	9.03E-10	1.98E-07	2.94E-07	6.53E-05	3.08E-05	3.98E-04	1.49E-05	1.08E-05	4.54E-04	2.93E-05	7.46E-10	1.98E-07	2.94E-07	2.98E-05
3681	479363.09	3851377.25	6.42E-05	1.02E-09	2.05E-07	2.94E-07	6.47E-05	3.05E-05	4.50E-04	1.54E-05	1.08E-05	5.07E-04	2.90E-05	8.45E-10	2.05E-07	2.94E-07	2.95E-05
3682	479863.09	3851377.25	6.23E-05	1.01E-09	2.10E-07	3.00E-07	6.29E-05	2.96E-05	4.44E-04	1.58E-05	1.10E-05	5.00E-04	2.82E-05	8.32E-10	2.10E-07	3.00E-07	2.87E-05
3683	480363.09	3851377.25	6.85E-05	9.49E-10	2.11E-07	3.07E-07	6.91E-05	3.26E-05	4.18E-04	1.58E-05	1.12E-05	4.78E-04	3.10E-05	7.84E-10	2.11E-07	3.07E-07	3.15E-05
3684	480863.09	3851377.25	9.24E-05	9.00E-10	2.08E-07	3.20E-07	9.29E-05	4.39E-05	3.96E-04	1.56E-05	1.17E-05	4.68E-04	4.18E-05	7.43E-10	2.08E-07	3.20E-07	4.23E-05
3685	481363.09	3851377.25	1.04E-04	7.73E-10	2.10E-07	3.38E-07	1.05E-04	4.94E-05	3.41E-04	1.58E-05	1.24E-05	4.18E-04	4.71E-05	6.39E-10	2.10E-07	3.38E-07	4.76E-05
3686	481863.09	3851377.25	8.82E-05	6.34E-10	2.36E-07	3.62E-07	8.88E-05	4.19E-05	2.79E-04	1.77E-05	1.33E-05	3.52E-04	3.99E-05	5.23E-10	2.36E-07	3.62E-07	4.05E-05
3687	482363.09	3851377.25	7.51E-05	5.31E-10	3.10E-07	3.91E-07	7.58E-05	3.57E-05	2.34E-04	2.32E-05	1.43E-05	3.07E-04	3.40E-05	4.39E-10	3.10E-07	3.91E-07	3.47E-05
3688	482863.09	3851377.25	6.19E-05	4.01E-10	3.33E-07	4.11E-07	6.27E-05	2.94E-05	1.76E-04	2.49E-05	1.51E-05	2.46E-04	2.80E-05	3.31E-10	3.33E-07	4.11E-07	2.87E-05
3689	483363.09	3851377.25	4.25E-05	3.05E-10	2.68E-07	3.75E-07	4.31E-05	2.02E-05	1.34E-04	2.01E-05	1.37E-05	1.88E-04	1.92E-05	2.52E-10	2.68E-07	3.75E-07	1.98E-05
3690	483863.09	3851377.25	3.60E-05	2.70E-10	3.04E-07	3.56E-07	3.66E-05	1.71E-05	1.19E-04	2.28E-05	1.31E-05	1.72E-04	1.63E-05	2.23E-10	3.04E-07	3.56E-07	1.69E-05
3691	484363.09	3851377.25	4.55E-05	3.18E-10	4.29E-07	3.70E-07	4.63E-05	2.16E-05	1.40E-04	3.22E-05	1.36E-05	2.08E-04	2.06E-05	2.63E-10	4.29E-07	3.70E-07	2.14E-05
3692	484863.09	3851377.25	3.30E-05	2.49E-10	3.24E-07	3.77E-07	3.37E-05	1.57E-05	1.10E-04	2.43E-05	1.38E-05	1.63E-04	1.49E-05	2.06E-10	3.24E-07	3.77E-07	1.56E-05
3693	485363.09	3851377.25	4.09E-05	2.96E-10	3.77E-07	4.08E-07	4.17E-05	1.95E-05	1.30E-04	2.83E-05	1.50E-05	1.93E-04	1.85E-05	2.45E-10	3.77E-07	4.08E-07	1.93E-05
3694	485863.09	3851377.25	3.23E-05	2.68E-10	4.80E-07	4.10E-07	3.32E-05	1.54E-05	1.18E-04	3.60E-05	1.50E-05	1.84E-04	1.46E-05	2.22E-10	4.80E-07	4.10E-07	1.55E-05
3695	486363.09	3851377.25	3.20E-05	2.81E-10	5.35E-07	4.36E-07	3.30E-05	1.52E-05	1.24E-04	4.01E-05	1.60E-05	1.95E-04	1.45E-05	2.32E-10	5.35E-07	4.36E-07	1.55E-05
3696	486863.09	3851377.25	2.95E-05	2.77E-10	4.86E-07	4.28E-07	3.04E-05	1.40E-05	1.22E-04	3.64E-05	1.57E-05	1.88E-04	1.34E-05	2.29E-10	4.86E-07	4.28E-07	1.43E-05
3697	487363.09	3851377.25	2.42E-05	2.53E-10	3.18E-07	4.11E-07	2.49E-05	1.15E-05	1.12E-04	2.39E-05	1.51E-05	1.62E-04	1.09E-05	2.09E-10	3.18E-07	4.11E-07	1.17E-05
3698	487863.09	3851377.25	2.74E-05	2.64E-10	2.75E-07	4.28E-07	2.81E-05	1.30E-05	1.16E-04	2.06E-05	1.57E-05	1.66E-04	1.24E-05	2.18E-10	2.75E-07	4.28E-07	1.31E-05
3699	488363.09	3851377.25	2.93E-05	2.78E-10	3.01E-07	4.57E-07	3.01E-05	1.39E-05	1.22E-04	2.26E-05	1.68E-05	1.76E-04	1.33E-05	2.29E-10	3.01E-07	4.57E-07	1.40E-05
3700	488863.09	3851377.25	2.94E-05	2.88E-10	3.50E-07	4.89E-07	3.03E-05	1.40E-05	1.27E-04	2.63E-05	1.79E-05	1.85E-04	1.33E-05	2.38E-10	3.50E-07	4.89E-07	1.42E-05
3701	489363.09	3851377.25	3.00E-05	2.95E-10	3.73E-07	5.11E-07	3.08E-05	1.42E-05	1.30E-04	2.79E-05	1.88E-05	1.91E-04	1.35E-05	2.44E-10	3.73E-07	5.11E-07	1.44E-05
3702	489863.09	3851377.25	3.08E-05	3.00E-10	3.76E-07	5.28E-07	3.17E-05	1.47E-05	1.32E-04	2.82E-05	1.94E-05	1.94E-04	1.39E-05	2.48E-10	3.76E-07	5.28E-07	1.48E-05
3703	490363.09	3851377.25	3.24E-05	3.13E-10	3.84E-07	5.42E-07	3.34E-05	1.54E-05	1.38E-04	2.88E-05	1.99E-05	2.02E-04	1.47E-05	2.58E-10	3.84E-07	5.42E-07	1.56E-05
3704	490863.09	3851377.25	3.45E-05	3.25E-10	3.60E-07	5.58E-07	3.55E-05	1.64E-05	1.43E-04	2.70E-05	2.05E-05	2.07E-04	1.56E-05	2.68E-10	3.60E-07	5.58E-07	1.65E-05
3705	491363.09	3851377.25	3.57E-05	3.29E-10	3.16E-07	5.74E-07	3.65E-05	1.69E-05	1.45E-04	2.37E-05	2.11E-05	2.07E-04	1.61E-05	2.72E-10	3.16E-07	5.74E-07	1.70E-05
3706	491863.09	3851377.25	3.65E-05	3.35E-10	3.04E-07	5.91E-07	3.74E-05	1.74E-05	1.48E-04	2.28E-05	2.17E-05	2.10E-04	1.65E-05	2.77E-10	3.04E-07	5.91E-07	1.74E-05
3707	492363.09	3851377.25	3.82E-05	3.50E-10	3.09E-07	6.05E-07	3.92E-05	1.82E-05	1.54E-04	2.32E-05	2.22E-05	2.18E-04	1.73E-05	2.89E-10	3.09E-07	6.05E-07	1.82E-05
3708	492863.09	3851377.25	3.95E-05	3.58E-10	3.40E-07	6.18E-07	4.05E-05	1.88E-05	1.58E-04	2.55E-05	2.27E-05	2.24E-04	1.79E-05	2.95E-10	3.40E-07	6.18E-07	1.88E-05
3709	493363.09	3851377.25	3.76E-05	3.45E-10	3.99E-07	6.28E-07	3.86E-05	1.79E-05	1.52E-04	2.99E-05	2.30E-05	2.23E-04	1.70E-05	2.85E-10	3.99E-07	6.28E-07	1.80E-05
3710	493863.09	3851377.25	4.28E-05	3.76E-10	4.64E-07	6.50E-07	4.40E-05	2.04E-05	1.65E-04	3.48E-05	2.38E-05	2.44E-04	1.94E-05	3.10E-10	4.64E-07	6.50E-07	2.05E-05
3711	494363.09	3851377.25	5.27E-05	4.35E-10	5.37E-07	6.77E-07	5.39E-05	2.50E-05	1.92E-04	4.02E-05	2.48E-05	2.82E-04	2.38E-05	3.59E-10	5.37E-07	6.77E-07	2.50E-05
3712	494863.09	3851377.25	5.66E-05	4.60E-10	5.83E-07	6.97E-07	5.78E-05	2.69E-05	2.03E-04	4.38E-05	2.56E-05	2.99E-04	2.56E-05	3.80E-10	5.83E-07	6.97E-07	2.69E-05
3713	495363.09	3851377.25	6.69E-05	5.19E-10	6.40E-07	7.31E-07	6.83E-05	3.18E-05	2.29E-04	4.80E-05	2.68E-05	3.35E-04	3.03E-05	4.29E-10	6.40E-07	7.31E-07	3.17E-05
3714	495863.09	3851377.25	7.18E-05	5.49E-10	6.21E-07	7.51E-07	7.31E-05	3.41E-05	2.42E-04	4.66E-05	2.75E-05	3.50E-04	3.25E-05	4.53E-10	6.21E-07	7.51E-07	3.38E-05
3715	496363.09	3851377.25	7.44E-05	5.68E-10	6.18E-07	7.64E-07	7.58E-05	3.54E-05	2.50E-04	4.64E-05	2.80E-05	3.60E-04	3.37E-05	4.69E-10	6.18E-07	7.64E-07	3.51E-05
3716	496863.09	3851377.25	7.55E-05	5.81E-10	6.44E-07	7.72E-07	7.69E-05	3.59E-05	2.56E-04	4.83E-05	2.83E-05	3.68E-04	3.41E-05	4.80E-10	6.44E-07	7.72E-07	3.56E-05
3717	497363.09	3851377.25	7.59E-05	5.92E-10	6.85E-07	7.81E-07	7.74E-05	3.61E-05	2.61E-04	5.13E-05	2.86E-05	3.77E-04	3.43E-05	4.89E-10	6.85E-07	7.81E-07	3.58E-05

3718	497863.09	3851377.25	7.52E-05	5.95E-10	7.23E-07	7.84E-07	7.67E-05	3.57E-05	2.62E-04	5.42E-05	2.87E-05	3.81E-04	3.40E-05	4.92E-10	7.23E-07	7.84E-07	3.55E-05
3719	498363.09	3851377.25	7.15E-05	5.83E-10	7.56E-07	7.82E-07	7.31E-05	3.40E-05	2.57E-04	5.67E-05	2.87E-05	3.76E-04	3.24E-05	4.81E-10	7.56E-07	7.82E-07	3.39E-05
3720	471363.09	3851877.25	3.04E-05	3.00E-10	2.76E-07	2.71E-07	3.09E-05	1.44E-05	1.32E-04	2.07E-05	9.95E-06	1.77E-04	1.37E-05	2.48E-10	2.76E-07	2.71E-07	1.43E-05
3721	471863.09	3851877.25	3.06E-05	2.91E-10	2.76E-07	2.74E-07	3.11E-05	1.45E-05	1.28E-04	2.07E-05	1.00E-05	1.74E-04	1.38E-05	2.40E-10	2.76E-07	2.74E-07	1.44E-05
3722	472363.09	3851877.25	3.45E-05	3.23E-10	2.84E-07	2.80E-07	3.51E-05	1.64E-05	1.42E-04	2.13E-05	1.03E-05	1.90E-04	1.56E-05	2.67E-10	2.84E-07	2.80E-07	1.62E-05
3723	472863.09	3851877.25	3.81E-05	3.58E-10	2.84E-07	2.85E-07	3.87E-05	1.81E-05	1.58E-04	2.13E-05	1.05E-05	2.08E-04	1.72E-05	2.96E-10	2.84E-07	2.85E-07	1.78E-05
3724	473363.09	3851877.25	3.71E-05	3.43E-10	2.68E-07	2.84E-07	3.77E-05	1.77E-05	1.51E-04	2.01E-05	1.04E-05	1.99E-04	1.68E-05	2.84E-10	2.68E-07	2.84E-07	1.74E-05
3725	473863.09	3851877.25	3.78E-05	3.54E-10	2.55E-07	2.86E-07	3.84E-05	1.80E-05	1.56E-04	1.91E-05	1.05E-05	2.04E-04	1.71E-05	2.92E-10	2.55E-07	2.86E-07	1.76E-05
3726	474363.09	3851877.25	4.12E-05	4.18E-10	2.47E-07	2.91E-07	4.18E-05	1.96E-05	1.84E-04	1.85E-05	1.07E-05	2.33E-04	1.87E-05	3.46E-10	2.47E-07	2.91E-07	1.92E-05
3727	474863.09	3851877.25	4.36E-05	5.08E-10	2.31E-07	2.94E-07	4.41E-05	2.07E-05	2.24E-04	1.73E-05	1.08E-05	2.73E-04	1.97E-05	4.19E-10	2.31E-07	2.94E-07	2.02E-05
3728	475363.09	3851877.25	4.46E-05	5.73E-10	2.13E-07	2.96E-07	4.51E-05	2.12E-05	2.52E-04	1.59E-05	1.09E-05	3.00E-04	2.02E-05	4.73E-10	2.13E-07	2.96E-07	2.07E-05
3729	475863.09	3851877.25	4.58E-05	6.07E-10	1.96E-07	2.98E-07	4.62E-05	2.18E-05	2.67E-04	1.47E-05	1.09E-05	3.15E-04	2.07E-05	5.02E-10	1.96E-07	2.98E-07	2.12E-05
3730	476363.09	3851877.25	4.68E-05	5.75E-10	1.87E-07	3.01E-07	4.73E-05	2.23E-05	2.53E-04	1.40E-05	1.11E-05	3.01E-04	2.12E-05	4.75E-10	1.87E-07	3.01E-07	2.17E-05
3731	476863.09	3851877.25	5.18E-05	6.25E-10	1.88E-07	3.06E-07	5.23E-05	2.46E-05	2.75E-04	1.41E-05	1.12E-05	3.25E-04	2.34E-05	5.16E-10	1.88E-07	3.06E-07	2.39E-05
3732	477363.09	3851877.25	5.88E-05	6.61E-10	1.96E-07	3.12E-07	5.93E-05	2.80E-05	2.91E-04	1.47E-05	1.14E-05	3.45E-04	2.66E-05	5.46E-10	1.96E-07	3.12E-07	2.71E-05
3733	477863.09	3851877.25	6.65E-05	6.64E-10	2.03E-07	3.18E-07	6.70E-05	3.16E-05	2.93E-04	1.52E-05	1.17E-05	3.51E-04	3.01E-05	5.49E-10	2.03E-07	3.18E-07	3.06E-05
3734	478363.09	3851877.25	7.28E-05	6.37E-10	2.06E-07	3.22E-07	7.33E-05	3.46E-05	2.80E-04	1.54E-05	1.18E-05	3.42E-04	3.29E-05	5.26E-10	2.06E-07	3.22E-07	3.34E-05
3735	478863.09	3851877.25	7.65E-05	7.30E-10	2.07E-07	3.25E-07	7.71E-05	3.64E-05	3.22E-04	1.55E-05	1.19E-05	3.85E-04	3.46E-05	6.03E-10	2.07E-07	3.25E-07	3.52E-05
3736	479363.09	3851877.25	7.79E-05	9.99E-10	2.10E-07	3.24E-07	7.84E-05	3.70E-05	4.40E-04	1.58E-05	1.19E-05	5.05E-04	3.52E-05	8.25E-10	2.10E-07	3.24E-07	3.58E-05
3737	479863.09	3851877.25	7.75E-05	1.18E-09	2.18E-07	3.25E-07	7.81E-05	3.69E-05	5.19E-04	1.63E-05	1.19E-05	5.84E-04	3.51E-05	9.74E-10	2.18E-07	3.25E-07	3.56E-05
3738	480363.09	3851877.25	7.56E-05	1.14E-09	2.24E-07	3.31E-07	7.62E-05	3.60E-05	5.04E-04	1.68E-05	1.21E-05	5.69E-04	3.42E-05	9.45E-10	2.24E-07	3.31E-07	3.48E-05
3739	480863.09	3851877.25	8.04E-05	1.10E-09	2.26E-07	3.41E-07	8.09E-05	3.82E-05	4.84E-04	1.70E-05	1.25E-05	5.52E-04	3.64E-05	9.07E-10	2.26E-07	3.41E-07	3.69E-05
3740	481363.09	3851877.25	1.09E-04	1.04E-09	2.25E-07	3.61E-07	1.10E-04	5.19E-05	4.59E-04	1.68E-05	1.32E-05	5.41E-04	4.94E-05	8.61E-10	2.25E-07	3.61E-07	5.00E-05
3741	481863.09	3851877.25	1.24E-04	8.57E-10	2.25E-07	3.84E-07	1.25E-04	5.89E-05	3.77E-04	1.69E-05	1.41E-05	4.67E-04	5.61E-05	7.08E-10	2.25E-07	3.84E-07	5.67E-05
3742	482363.09	3851877.25	9.69E-05	5.93E-10	2.67E-07	4.25E-07	9.76E-05	4.61E-05	2.61E-04	2.00E-05	1.56E-05	3.43E-04	4.38E-05	4.90E-10	2.67E-07	4.25E-07	4.45E-05
3743	482863.09	3851877.25	6.76E-05	4.22E-10	3.76E-07	4.36E-07	6.84E-05	3.21E-05	1.86E-04	2.82E-05	1.60E-05	2.62E-04	3.06E-05	3.49E-10	3.76E-07	4.36E-07	3.14E-05
3744	483363.09	3851877.25	6.78E-05	4.22E-10	3.39E-07	4.43E-07	6.86E-05	3.23E-05	1.86E-04	2.55E-05	1.63E-05	2.60E-04	3.07E-05	3.49E-10	3.39E-07	4.43E-07	3.15E-05
3745	483863.09	3851877.25	5.94E-05	3.75E-10	3.16E-07	4.23E-07	6.02E-05	2.83E-05	1.65E-04	2.37E-05	1.55E-05	2.32E-04	2.69E-05	3.10E-10	3.16E-07	4.23E-07	2.76E-05
3746	484363.09	3851877.25	6.28E-05	3.93E-10	4.55E-07	4.18E-07	6.37E-05	2.99E-05	1.73E-04	3.41E-05	1.53E-05	2.53E-04	2.84E-05	3.25E-10	4.55E-07	4.18E-07	2.93E-05
3747	484863.09	3851877.25	5.54E-05	3.52E-10	4.42E-07	4.34E-07	5.63E-05	2.63E-05	1.55E-04	3.32E-05	1.59E-05	2.30E-04	2.51E-05	2.91E-10	4.42E-07	4.34E-07	2.59E-05
3748	485363.09	3851877.25	5.25E-05	3.58E-10	3.84E-07	4.54E-07	5.34E-05	2.50E-05	1.58E-04	2.88E-05	1.66E-05	2.28E-04	2.38E-05	2.95E-10	3.84E-07	4.54E-07	2.46E-05
3749	485863.09	3851877.25	5.05E-05	3.66E-10	4.86E-07	5.05E-07	5.15E-05	2.40E-05	1.61E-04	3.64E-05	1.85E-05	2.40E-04	2.28E-05	3.02E-10	4.86E-07	5.05E-07	2.38E-05
3750	486363.09	3851877.25	3.94E-05	3.31E-10	5.89E-07	5.05E-07	4.05E-05	1.87E-05	1.46E-04	4.41E-05	1.85E-05	2.27E-04	1.78E-05	2.74E-10	5.89E-07	5.05E-07	1.89E-05
3751	486863.09	3851877.25	3.69E-05	3.33E-10	5.74E-07	4.91E-07	3.79E-05	1.75E-05	1.46E-04	4.31E-05	1.80E-05	2.25E-04	1.67E-05	2.75E-10	5.74E-07	4.91E-07	1.77E-05
3752	487363.09	3851877.25	3.59E-05	3.33E-10	3.94E-07	4.90E-07	3.68E-05	1.71E-05	1.46E-04	2.95E-05	1.80E-05	2.11E-04	1.63E-05	2.75E-10	3.94E-07	4.90E-07	1.71E-05
3753	487863.09	3851877.25	3.23E-05	3.10E-10	2.97E-07	5.11E-07	3.31E-05	1.53E-05	1.37E-04	2.23E-05	1.87E-05	1.93E-04	1.46E-05	2.56E-10	2.97E-07	5.11E-07	1.54E-05
3754	488363.09	3851877.25	3.38E-05	3.30E-10	3.24E-07	5.47E-07	3.47E-05	1.61E-05	1.45E-04	2.43E-05	2.00E-05	2.06E-04	1.53E-05	2.72E-10	3.24E-07	5.47E-07	1.62E-05
3755	488863.09	3851877.25	3.27E-05	3.33E-10	3.78E-07	5.67E-07	3.36E-05	1.55E-05	1.47E-04	2.84E-05	2.08E-05	2.12E-04	1.48E-05	2.75E-10	3.78E-07	5.67E-07	1.57E-05
3756	489363.09	3851877.25	3.35E-05	3.38E-10	3.95E-07	5.88E-07	3.45E-05	1.59E-05	1.49E-04	2.96E-05	2.16E-05	2.16E-04	1.51E-05	2.79E-10	3.95E-07	5.88E-07	1.61E-05
3757	489863.09	3851877.25	3.60E-05	3.48E-10	3.85E-07	6.09E-07	3.70E-05	1.71E-05	1.53E-04	2.89E-05	2.23E-05	2.22E-04	1.63E-05	2.88E-10	3.85E-07	6.09E-07	1.73E-05
3758	490363.09	3851877.25	4.05E-05	3.73E-10	3.95E-07	6.28E-07	4.15E-05	1.92E-05	1.64E-04	2.97E-05	2.30E-05	2.36E-04	1.83E-05	3.08E-10	3.95E-07	6.28E-07	1.93E-05
3759	490863.09	3851877.25	4.52E-05	4.00E-10	3.73E-07	6.51E-07	4.62E-05	2.15E-05	1.76E-04	2.79E-05	2.39E-05	2.49E-04	2.04E-05	3.30E-10	3.73E-07	6.51E-07	2.15E-05
3760	491363.09	3851877.25	4.99E-05	4.26E-10	3.52E-07	6.74E-07	5.09E-05	2.37E-05	1.87E-04	2.64E-05	2.47E-05	2.62E-04	2.26E-05	3.52E-10	3.52E-07	6.74E-07	2.36E-05
3761	491863.09	3851877.25	5.43E-05	4.51E-10	3.54E-07	6.93E-07	5.53E-05	2.58E-05	1.98E-04	2.65E-05	2.54E-05	2.76E-04	2.46E-05	3.72E-10	3.54E-07	6.93E-07	2.56E-05
3762	492363.09	3851877.25	5.60E-05	4.59E-10	3.62E-07	7.09E-07	5.71E-05	2.66E-05	2.02E-04	2.72E-05	2.60E-05	2.82E-04	2.53E-05	3.79E-10	3.62E-07	7.09E-07	2.64E-05
3763	492863.09	3851877.25	5.12E-05	4.31E-10	4.17E-07	7.14E-07	5.23E-05	2.43E-05	1.90E-04	3.13E-05	2.62E-05	2.72E-04	2.32E-05	3.56E-10	4.17E-07	7.14E-07	2.43E-05
3764	493363.09	3851877.25	6.37E-05	4.98E-10	5.21E-07	7.47E-07	6.49E-05	3.03E-05	2.19E-04	3.91E-05	2.74E-05	3.16E-04	2.88E-05	4.11E-10	5.21E-07	7.47E-07	3.01E-05
3765	493863.09	3851877.25	7.79E-05	5.78E-10	6.37E-07	7.84E-07	7.93E-05	3.70E-05	2.55E-04	4.78E-05	2.87E-05	3.68E-04	3.52E-05	4.77E-10	6.37E-07	7.84E-07	3.67E-05
3766	494363.09	3851877.25	7.78E-05	5.81E-10	6.90E-07	7.96E-07	7.93E-05	3.70E-05	2.56E-04	5.17E-05	2.92E-05	3.74E-04	3.52E-05	4.80E-10	6.90E-07	7.96E-07	3.67E-05
3767	494863.09	3851877.25	8.77E-05	6.38E-10	7.08E-07	8.24E-07	8.92E-05	4.17E-05	2.81E-04	5.31E-05	3.02E-05	4.06E-04	3.97E-05	5.27E-10	7.08E-07	8.24E-07	4.12E-05
3768	495363.09	3851877.25	9.39E-05	6.76E-10	6.93E-07	8.45E-07	9.54E-05	4.46E-05	2.98E-04	5.20E-05	3.10E-05	4.25E-04	4.25E-05	5.58E-10	6.93E-07	8.45E-07	4.40E-05
3769	495863.09	3851877.25	9.78E-05	7.04E-10	6.97E-07	8.59E-07	9.93E-05	4.65E-05	3.10E-04	5.22E-05	3.15E-05	4.40E-04	4.42E-05	5.81E-10	6.97E-07	8.59E-07	4.58E-05
3770	496363.09	3851877.25	9.73E-05	7.10E-10	7.20E-07	8.64E-07	9.89E-05	4.63E-05	3.13E-04	5.40E-05	3.17E-05	4.45E-04	4.40E-05	5.87E-10	7.20E-07	8.64E-07	4.56E-05
3771	496863.09	3851877.25	9.61E-05	7.11E-10	7.68E-07	8.65E-07	9.77E-05	4.57E-05	3.13E-04	5.76E-05	3.17E-05	4.48E-04	4.35E-05	5.87E-10	7.68E-07	8.65E-07	4.51E-05
3772	497363.09	3851877.25	9.40E-05	7.07E-10	8.12E-07	8.63E-07	9.57E-05	4.47E-05	3.12E-04	6.09E-05	3.16E-05	4.49E-04	4.25E-05	5.84E-10	8.12E-07	8.63E-07	4.42E-05
3773	497863.09	3851877.25	8.83E-05	6.85E-10	8.49E-07	8.58E-07	9.00E-05	4.20E-05	3.02E-04	6.37E-05	3.14E-05	4.39E-04	3.99E-05	5.66E-10	8.49E-07	8.58E-07	4.16E-05
3774	498363.09	3851877.25	8.27E-05	6.65E-10	8.88E-07	8.56E-07	8.45E-05	3.93E-05	2.93E-04	6.66E-05	3.14E-05	4.30E-04	3.74E-05	5.49E-10	8.88E-07	8.56E-07	3.92E-05
3775	471363.09	3852377.25	2.77E-05	2.89E-10	2.70E-07	2.81E-07	2.83E-05	1.32E-05	1.27E-04	2.02E-05	1.03E-05	1.71E-04	1.25E-05	2.39E-10	2.70E-07	2.81E-07	1.31E-05
3776	471863.09	3852377.25	3.14E-05	3.16E-10	2.81E-07	2.88E-07	3.20E-05	1.49E-05	1.39E-04	2.10E-05	1.05E-05	1.86E-04	1.42E-05	2.61E-10	2.81E-07	2.88E-07	1.48E-05
3777	472363.09	3852377.25	3.44E-05	3.35E-10	2.94E-07	2.94E-07	3.49E-05	1.63E-05	1.47E-04	2.21E-05	1.08E-05	1.97E-04	1.55E-05	2.76E-10	2.94E-07	2.94E-07	1.61E-05
3778	472863.09	3852377.25	3.70E-05	3.51E-10	3.05E-07	3.01E-07	3.76E-05	1.76E-05	1.55E-04	2.29E-05	1.11E-05	2.06E-04	1.67E-05	2.90E-10	3.05E-07	3.01E-07	1.73E-05

3779	473363.09	3852377.25	3.91E-05	3.63E-10	3.10E-07	3.07E-07	3.97E-05	1.86E-05	1.60E-04	2.33E-05	1.12E-05	2.13E-04	1.77E-05	3.00E-10	3.10E-07	3.07E-07	1.83E-05
3780	473863.09	3852377.25	4.07E-05	3.73E-10	3.07E-07	3.11E-07	4.13E-05	1.94E-05	1.64E-04	2.30E-05	1.14E-05	2.18E-04	1.84E-05	3.08E-10	3.07E-07	3.11E-07	1.90E-05
3781	474363.09	3852377.25	4.28E-05	3.88E-10	2.99E-07	3.14E-07	4.34E-05	2.03E-05	1.71E-04	2.24E-05	1.15E-05	2.25E-04	1.93E-05	3.20E-10	2.99E-07	3.14E-07	2.00E-05
3782	474863.09	3852377.25	5.11E-05	4.97E-10	2.96E-07	3.23E-07	5.17E-05	2.43E-05	2.19E-04	2.22E-05	1.18E-05	2.77E-04	2.31E-05	4.11E-10	2.96E-07	3.23E-07	2.37E-05
3783	475363.09	3852377.25	5.23E-05	5.21E-10	2.77E-07	3.24E-07	5.29E-05	2.49E-05	2.30E-04	2.08E-05	1.19E-05	2.87E-04	2.36E-05	4.31E-10	2.77E-07	3.24E-07	2.43E-05
3784	475863.09	3852377.25	5.23E-05	5.44E-10	2.55E-07	3.25E-07	5.29E-05	2.49E-05	2.39E-04	1.91E-05	1.19E-05	2.95E-04	2.37E-05	4.49E-10	2.55E-07	3.25E-07	2.42E-05
3785	476363.09	3852377.25	5.12E-05	5.36E-10	2.31E-07	3.25E-07	5.17E-05	2.43E-05	2.36E-04	1.73E-05	1.19E-05	2.90E-04	2.32E-05	4.43E-10	2.31E-07	3.25E-07	2.37E-05
3786	476863.09	3852377.25	5.24E-05	5.61E-10	2.12E-07	3.30E-07	5.29E-05	2.49E-05	2.47E-04	1.59E-05	1.21E-05	3.00E-04	2.37E-05	4.64E-10	2.12E-07	3.30E-07	2.42E-05
3787	477363.09	3852377.25	5.37E-05	5.64E-10	2.04E-07	3.36E-07	5.43E-05	2.55E-05	2.48E-04	1.53E-05	1.23E-05	3.01E-04	2.43E-05	4.66E-10	2.04E-07	3.36E-07	2.48E-05
3788	477863.09	3852377.25	5.22E-05	4.93E-10	2.01E-07	3.39E-07	5.27E-05	2.48E-05	2.17E-04	1.51E-05	1.24E-05	2.69E-04	2.36E-05	4.07E-10	2.01E-07	3.39E-07	2.41E-05
3789	478363.09	3852377.25	5.43E-05	4.58E-10	2.10E-07	3.45E-07	5.49E-05	2.58E-05	2.02E-04	1.58E-05	1.27E-05	2.56E-04	2.46E-05	3.78E-10	2.10E-07	3.45E-07	2.51E-05
3790	478863.09	3852377.25	7.20E-05	5.32E-10	2.21E-07	3.56E-07	7.25E-05	3.42E-05	2.34E-04	1.66E-05	1.30E-05	2.98E-04	3.26E-05	4.40E-10	2.21E-07	3.56E-07	3.31E-05
3791	479363.09	3852377.25	8.46E-05	6.00E-10	2.24E-07	3.61E-07	8.52E-05	4.02E-05	2.64E-04	1.68E-05	1.32E-05	3.35E-04	3.83E-05	4.96E-10	2.24E-07	3.61E-07	3.89E-05
3792	479863.09	3852377.25	9.48E-05	9.52E-10	2.23E-07	3.61E-07	9.54E-05	4.51E-05	4.19E-04	1.67E-05	1.32E-05	4.94E-04	4.29E-05	7.86E-10	2.23E-07	3.61E-07	4.35E-05
3793	480363.09	3852377.25	9.58E-05	1.37E-09	2.32E-07	3.65E-07	9.64E-05	4.56E-05	6.04E-04	1.74E-05	1.34E-05	6.81E-04	4.34E-05	1.13E-09	2.32E-07	3.65E-07	4.39E-05
3794	480863.09	3852377.25	9.42E-05	1.33E-09	2.40E-07	3.73E-07	9.48E-05	4.48E-05	5.88E-04	1.80E-05	1.37E-05	6.64E-04	4.26E-05	1.10E-09	2.40E-07	3.73E-07	4.32E-05
3795	481363.09	3852377.25	9.71E-05	1.29E-09	2.44E-07	3.91E-07	9.78E-05	4.62E-05	5.69E-04	1.83E-05	1.43E-05	6.48E-04	4.39E-05	1.07E-09	2.44E-07	3.91E-07	4.46E-05
3796	481863.09	3852377.25	1.32E-04	1.17E-09	2.43E-07	4.16E-07	1.33E-04	6.30E-05	5.17E-04	1.82E-05	1.53E-05	6.13E-04	5.99E-05	9.69E-10	2.43E-07	4.16E-07	6.06E-05
3797	482363.09	3852377.25	1.51E-04	1.03E-09	2.43E-07	4.54E-07	1.52E-04	7.19E-05	4.52E-04	1.82E-05	1.66E-05	5.59E-04	6.84E-05	8.48E-10	2.43E-07	4.54E-07	6.91E-05
3798	482863.09	3852377.25	1.26E-04	8.11E-10	2.78E-07	4.77E-07	1.27E-04	5.99E-05	3.57E-04	2.09E-05	1.75E-05	4.55E-04	5.70E-05	6.70E-10	2.78E-07	4.77E-07	5.77E-05
3799	483363.09	3852377.25	1.01E-04	5.54E-10	3.90E-07	5.01E-07	1.02E-04	4.81E-05	2.44E-04	2.93E-05	1.84E-05	3.40E-04	4.57E-05	4.57E-10	3.90E-07	5.01E-07	4.66E-05
3800	483863.09	3852377.25	7.73E-05	4.53E-10	3.46E-07	4.86E-07	7.81E-05	3.67E-05	2.00E-04	2.60E-05	1.78E-05	2.80E-04	3.50E-05	3.75E-10	3.46E-07	4.86E-07	3.58E-05
3801	484363.09	3852377.25	8.49E-05	4.76E-10	3.82E-07	4.83E-07	8.58E-05	4.04E-05	2.09E-04	2.86E-05	1.77E-05	2.96E-04	3.84E-05	3.93E-10	3.82E-07	4.83E-07	3.93E-05
3802	484863.09	3852377.25	8.31E-05	4.81E-10	5.18E-07	4.83E-07	8.41E-05	3.95E-05	2.12E-04	3.88E-05	1.77E-05	3.08E-04	3.76E-05	3.98E-10	5.18E-07	4.83E-07	3.86E-05
3803	485363.09	3852377.25	8.08E-05	4.95E-10	4.32E-07	5.43E-07	8.18E-05	3.84E-05	2.18E-04	3.24E-05	1.99E-05	3.09E-04	3.66E-05	4.09E-10	4.32E-07	5.43E-07	3.75E-05
3804	485863.09	3852377.25	6.77E-05	4.58E-10	4.66E-07	6.08E-07	6.88E-05	3.22E-05	2.02E-04	3.50E-05	2.23E-05	2.91E-04	3.06E-05	3.79E-10	4.66E-07	6.08E-07	3.17E-05
3805	486363.09	3852377.25	4.98E-05	4.03E-10	6.34E-07	5.81E-07	5.11E-05	2.37E-05	1.77E-04	4.76E-05	2.13E-05	2.70E-04	2.25E-05	3.33E-10	6.34E-07	5.81E-07	2.38E-05
3806	486863.09	3852377.25	4.56E-05	4.00E-10	6.34E-07	5.83E-07	4.68E-05	2.17E-05	1.76E-04	4.75E-05	2.14E-05	2.67E-04	2.06E-05	3.30E-10	6.34E-07	5.83E-07	2.18E-05
3807	487363.09	3852377.25	4.17E-05	3.95E-10	4.37E-07	6.04E-07	4.28E-05	1.98E-05	1.74E-04	3.28E-05	2.21E-05	2.49E-04	1.89E-05	3.26E-10	4.37E-07	6.04E-07	1.99E-05
3808	487863.09	3852377.25	4.00E-05	3.91E-10	3.23E-07	6.28E-07	4.09E-05	1.90E-05	1.72E-04	2.42E-05	2.30E-05	2.38E-04	1.81E-05	3.23E-10	3.23E-07	6.28E-07	1.90E-05
3809	488363.09	3852377.25	3.88E-05	3.95E-10	3.50E-07	6.48E-07	3.98E-05	1.84E-05	1.74E-04	2.63E-05	2.37E-05	2.42E-04	1.76E-05	3.26E-10	3.50E-07	6.48E-07	1.85E-05
3810	488863.09	3852377.25	3.86E-05	3.96E-10	4.07E-07	6.70E-07	3.97E-05	1.84E-05	1.75E-04	3.05E-05	2.46E-05	2.48E-04	1.75E-05	3.27E-10	4.07E-07	6.70E-07	1.86E-05
3811	489363.09	3852377.25	4.17E-05	4.03E-10	4.13E-07	6.95E-07	4.28E-05	1.98E-05	1.78E-04	3.10E-05	2.55E-05	2.54E-04	1.88E-05	3.33E-10	4.13E-07	6.95E-07	2.00E-05
3812	489863.09	3852377.25	4.30E-05	4.03E-10	4.07E-07	7.08E-07	4.42E-05	2.05E-05	1.77E-04	3.06E-05	2.60E-05	2.54E-04	1.95E-05	3.33E-10	4.07E-07	7.08E-07	2.06E-05
3813	490363.09	3852377.25	5.22E-05	4.53E-10	4.03E-07	7.38E-07	5.33E-05	2.48E-05	1.99E-04	3.02E-05	2.71E-05	2.81E-04	2.36E-05	3.74E-10	4.03E-07	7.38E-07	2.47E-05
3814	490863.09	3852377.25	6.09E-05	4.99E-10	3.78E-07	7.68E-07	6.20E-05	2.89E-05	2.20E-04	2.83E-05	2.82E-05	3.05E-04	2.75E-05	4.12E-10	3.78E-07	7.68E-07	2.87E-05
3815	491363.09	3852377.25	7.65E-05	5.78E-10	4.01E-07	8.06E-07	7.77E-05	3.64E-05	2.55E-04	3.01E-05	2.96E-05	3.51E-04	3.46E-05	4.77E-10	4.01E-07	8.06E-07	3.58E-05
3816	491863.09	3852377.25	8.36E-05	6.13E-10	4.15E-07	8.30E-07	8.48E-05	3.97E-05	2.70E-04	3.11E-05	3.04E-05	3.71E-04	3.78E-05	5.06E-10	4.15E-07	8.30E-07	3.90E-05
3817	492363.09	3852377.25	8.90E-05	6.39E-10	4.79E-07	8.53E-07	9.03E-05	4.23E-05	2.82E-04	3.59E-05	3.13E-05	3.91E-04	4.03E-05	5.28E-10	4.79E-07	8.53E-07	4.16E-05
3818	492863.09	3852377.25	9.86E-05	6.87E-10	5.98E-07	8.83E-07	1.00E-04	4.69E-05	3.03E-04	4.48E-05	3.24E-05	4.27E-04	4.46E-05	5.68E-10	5.98E-07	8.83E-07	4.61E-05
3819	493363.09	3852377.25	1.13E-04	7.62E-10	7.34E-07	9.14E-07	1.15E-04	5.39E-05	3.35E-04	5.50E-05	3.35E-05	4.78E-04	5.13E-05	6.29E-10	7.34E-07	9.14E-07	5.30E-05
3820	493863.09	3852377.25	1.15E-04	7.76E-10	8.06E-07	9.23E-07	1.17E-04	5.48E-05	3.42E-04	6.05E-05	3.38E-05	4.91E-04	5.21E-05	6.41E-10	8.06E-07	9.23E-07	5.38E-05
3821	494363.09	3852377.25	1.16E-04	7.88E-10	7.95E-07	9.32E-07	1.18E-04	5.51E-05	3.47E-04	5.96E-05	3.42E-05	4.96E-04	5.25E-05	6.51E-10	7.95E-07	9.32E-07	5.42E-05
3822	494863.09	3852377.25	1.24E-04	8.35E-10	7.88E-07	9.49E-07	1.25E-04	5.88E-05	3.68E-04	5.91E-05	3.48E-05	5.20E-04	5.59E-05	6.89E-10	7.88E-07	9.49E-07	5.76E-05
3823	495363.09	3852377.25	1.31E-04	8.83E-10	7.93E-07	9.65E-07	1.33E-04	6.23E-05	3.89E-04	5.94E-05	3.54E-05	5.46E-04	5.93E-05	7.30E-10	7.93E-07	9.65E-07	6.11E-05
3824	495863.09	3852377.25	1.27E-04	8.73E-10	8.17E-07	9.65E-07	1.29E-04	6.05E-05	3.84E-04	6.13E-05	3.54E-05	5.42E-04	5.76E-05	7.21E-10	8.17E-07	9.65E-07	5.94E-05
3825	496363.09	3852377.25	1.23E-04	8.60E-10	8.73E-07	9.62E-07	1.25E-04	5.84E-05	3.79E-04	6.55E-05	3.53E-05	5.38E-04	5.55E-05	7.10E-10	8.73E-07	9.62E-07	5.74E-05
3826	496863.09	3852377.25	1.20E-04	8.55E-10	9.34E-07	9.58E-07	1.22E-04	5.69E-05	3.77E-04	7.00E-05	3.51E-05	5.39E-04	5.41E-05	7.07E-10	9.34E-07	9.58E-07	5.60E-05
3827	497363.09	3852377.25	1.09E-04	8.11E-10	9.70E-07	9.43E-07	1.11E-04	5.20E-05	3.57E-04	7.28E-05	3.46E-05	5.17E-04	4.95E-05	6.70E-10	9.70E-07	9.43E-07	5.14E-05
3828	497863.09	3852377.25	9.87E-05	7.69E-10	1.01E-06	9.35E-07	1.01E-04	4.69E-05	3.39E-04	7.58E-05	3.43E-05	4.96E-04	4.46E-05	6.35E-10	1.01E-06	9.35E-07	4.66E-05
3829	498363.09	3852377.25	8.92E-05	7.30E-10	1.04E-06	9.27E-07	9.12E-05	4.24E-05	3.21E-04	7.78E-05	3.40E-05	4.75E-04	4.04E-05	6.03E-10	1.04E-06	9.27E-07	4.23E-05
3830	471363.09	3852877.25	3.09E-05	3.15E-10	2.86E-07	2.95E-07	3.15E-05	1.47E-05	1.39E-04	2.14E-05	1.08E-05	1.86E-04	1.40E-05	2.60E-10	2.86E-07	2.95E-07	1.46E-05
3831	471863.09	3852877.25	3.37E-05	3.37E-10	2.90E-07	3.03E-07	3.43E-05	1.60E-05	1.48E-04	2.18E-05	1.11E-05	1.97E-04	1.52E-05	2.78E-10	2.90E-07	3.03E-07	1.58E-05
3832	472363.09	3852877.25	3.68E-05	3.60E-10	2.98E-07	3.10E-07	3.74E-05	1.75E-05	1.58E-04	2.23E-05	1.14E-05	2.10E-04	1.66E-05	2.97E-10	2.98E-07	3.10E-07	1.72E-05
3833	472863.09	3852877.25	3.91E-05	3.78E-10	3.06E-07	3.17E-07	3.98E-05	1.86E-05	1.67E-04	2.30E-05	1.16E-05	2.20E-04	1.77E-05	3.13E-10	3.06E-07	3.17E-07	1.83E-05
3834	473363.09	3852877.25	4.20E-05	3.98E-10	3.18E-07	3.24E-07	4.27E-05	2.00E-05	1.75E-04	2.39E-05	1.19E-05	2.31E-04	1.90E-05	3.29E-10	3.18E-07	3.24E-07	1.97E-05
3835	473863.09	3852877.25	4.57E-05	4.26E-10	3.33E-07	3.32E-07	4.63E-05	2.17E-05	1.88E-04	2.49E-05	1.22E-05	2.47E-04	2.07E-05	3.52E-10	3.33E-07	3.32E-07	2.13E-05
3836	474363.09	3852877.25	5.01E-05	4.59E-10	3.44E-07	3.42E-07	5.08E-05	2.38E-05	2.02E-04	2.58E-05	1.25E-05	2.64E-04	2.27E-05	3.79E-10	3.44E-07	3.42E-07	2.33E-05
3837	474863.09	3852877.25	4.87E-05	4.36E-10	3.42E-07	3.45E-07	4.93E-05	2.31E-05	1.92E-04	2.56E-05	1.27E-05	2.53E-04	2.20E-05	3.60E-10	3.42E-07	3.45E-07	2.27E-05
3838	475363.09	3852877.25	5.39E-05	4.83E-10	3.40E-07	3.55E-07	5.46E-05	2.56E-05	2.13E-04	2.55E-05	1.30E-05	2.77E-04	2.44E-05	3.99E-10	3.40E-07	3.55E-07	2.51E-05
3839	475863.09	3852877.25	5.63E-05	5.01E-10	3.27E-07	3.58E-07	5.70E-05	2.68E-05	2.21E-04	2.45E-05	1.31E-05	2.85E-04	2.55E-05	4.14E-10	3.27E-07	3.58E-07	2.62E-05

3840	476363.09	3852877.25	5.49E-05	4.85E-10	3.02E-07	3.57E-07	5.56E-05	2.61E-05	2.14E-04	2.26E-05	1.31E-05	2.75E-04	2.48E-05	4.01E-10	3.02E-07	3.57E-07	2.55E-05
3841	476863.09	3852877.25	4.99E-05	4.45E-10	2.69E-07	3.55E-07	5.05E-05	2.37E-05	1.96E-04	2.02E-05	1.30E-05	2.53E-04	2.26E-05	3.67E-10	2.69E-07	3.55E-07	2.32E-05
3842	477363.09	3852877.25	4.52E-05	4.12E-10	2.36E-07	3.56E-07	4.58E-05	2.15E-05	1.81E-04	1.77E-05	1.31E-05	2.34E-04	2.04E-05	3.40E-10	2.36E-07	3.56E-07	2.10E-05
3843	477863.09	3852877.25	4.00E-05	3.81E-10	2.12E-07	3.61E-07	4.06E-05	1.90E-05	1.68E-04	1.59E-05	1.32E-05	2.16E-04	1.81E-05	3.14E-10	2.12E-07	3.61E-07	1.87E-05
3844	478363.09	3852877.25	3.12E-05	3.40E-10	1.96E-07	3.66E-07	3.18E-05	1.48E-05	1.50E-04	1.47E-05	1.34E-05	1.93E-04	1.41E-05	2.81E-10	1.96E-07	3.66E-07	1.47E-05
3845	478863.09	3852877.25	3.77E-05	3.86E-10	2.06E-07	3.78E-07	3.82E-05	1.79E-05	1.70E-04	1.54E-05	1.39E-05	2.17E-04	1.70E-05	3.19E-10	2.06E-07	3.78E-07	1.76E-05
3846	479363.09	3852877.25	5.62E-05	4.61E-10	2.24E-07	3.92E-07	5.68E-05	2.67E-05	2.03E-04	1.68E-05	1.44E-05	2.61E-04	2.54E-05	3.80E-10	2.24E-07	3.92E-07	2.60E-05
3847	479863.09	3852877.25	9.71E-05	6.80E-10	2.40E-07	4.07E-07	9.78E-05	4.62E-05	3.00E-04	1.80E-05	1.49E-05	3.79E-04	4.39E-05	5.62E-10	2.40E-07	4.07E-07	4.46E-05
3848	480363.09	3852877.25	1.17E-04	1.22E-09	2.41E-07	4.12E-07	1.18E-04	5.56E-05	5.38E-04	1.81E-05	1.51E-05	6.26E-04	5.29E-05	1.01E-09	2.41E-07	4.12E-07	5.35E-05
3849	480863.09	3852877.25	1.23E-04	1.49E-09	2.47E-07	4.21E-07	1.24E-04	5.85E-05	6.55E-04	1.85E-05	1.54E-05	7.47E-04	5.56E-05	1.23E-09	2.47E-07	4.21E-07	5.63E-05
3850	481363.09	3852877.25	1.21E-04	1.61E-09	2.59E-07	4.34E-07	1.22E-04	5.75E-05	7.09E-04	1.94E-05	1.59E-05	8.02E-04	5.47E-05	1.33E-09	2.59E-07	4.34E-07	5.54E-05
3851	481863.09	3852877.25	1.22E-04	1.52E-09	2.64E-07	4.72E-07	1.23E-04	5.80E-05	6.69E-04	1.98E-05	1.73E-05	7.64E-04	5.52E-05	1.25E-09	2.64E-07	4.72E-07	5.59E-05
3852	482363.09	3852877.25	1.66E-04	1.41E-09	2.64E-07	5.11E-07	1.67E-04	7.88E-05	6.23E-04	1.98E-05	1.87E-05	7.40E-04	7.50E-05	1.17E-09	2.64E-07	5.11E-07	7.58E-05
3853	482863.09	3852877.25	1.90E-04	1.26E-09	2.65E-07	5.38E-07	1.91E-04	9.04E-05	5.53E-04	1.99E-05	1.97E-05	6.83E-04	8.60E-05	1.04E-09	2.65E-07	5.38E-07	8.68E-05
3854	483363.09	3852877.25	1.60E-04	9.11E-10	3.05E-07	5.54E-07	1.61E-04	7.59E-05	4.01E-04	2.29E-05	2.03E-05	5.20E-04	7.22E-05	7.53E-10	3.05E-07	5.54E-07	7.31E-05
3855	483863.09	3852877.25	1.18E-04	5.97E-10	4.24E-07	5.80E-07	1.19E-04	5.61E-05	2.63E-04	3.18E-05	2.12E-05	3.72E-04	5.34E-05	4.93E-10	4.24E-07	5.80E-07	5.44E-05
3856	484363.09	3852877.25	1.26E-04	6.37E-10	3.54E-07	5.65E-07	1.26E-04	5.97E-05	2.81E-04	2.65E-05	2.07E-05	3.88E-04	5.68E-05	5.26E-10	3.54E-07	5.65E-07	5.77E-05
3857	484863.09	3852877.25	1.20E-04	6.58E-10	4.45E-07	5.87E-07	1.21E-04	5.69E-05	2.90E-04	3.34E-05	2.15E-05	4.02E-04	5.41E-05	5.44E-10	4.45E-07	5.87E-07	5.51E-05
3858	485363.09	3852877.25	8.08E-05	5.06E-10	5.43E-07	6.64E-07	8.20E-05	3.84E-05	2.23E-04	4.07E-05	2.43E-05	3.26E-04	3.66E-05	4.18E-10	5.43E-07	6.64E-07	3.78E-05
3859	485863.09	3852877.25	6.46E-05	4.75E-10	4.57E-07	6.85E-07	6.58E-05	3.07E-05	2.09E-04	3.43E-05	2.51E-05	2.99E-04	2.92E-05	3.92E-10	4.57E-07	6.85E-07	3.04E-05
3860	486363.09	3852877.25	5.13E-05	4.56E-10	5.98E-07	6.96E-07	5.25E-05	2.44E-05	2.01E-04	4.48E-05	2.55E-05	2.96E-04	2.32E-05	3.77E-10	5.98E-07	6.96E-07	2.45E-05
3861	486863.09	3852877.25	5.02E-05	4.76E-10	6.25E-07	7.30E-07	5.15E-05	2.39E-05	2.09E-04	4.69E-05	2.68E-05	3.07E-04	2.27E-05	3.93E-10	6.25E-07	7.30E-07	2.41E-05
3862	487363.09	3852877.25	4.73E-05	4.81E-10	4.68E-07	7.48E-07	4.85E-05	2.25E-05	2.12E-04	3.51E-05	2.74E-05	2.97E-04	2.14E-05	3.97E-10	4.68E-07	7.48E-07	2.26E-05
3863	487863.09	3852877.25	4.83E-05	4.91E-10	3.53E-07	7.75E-07	4.95E-05	2.30E-05	2.16E-04	2.65E-05	2.84E-05	2.94E-04	2.19E-05	4.05E-10	3.53E-07	7.75E-07	2.30E-05
3864	488363.09	3852877.25	4.10E-05	4.36E-10	3.80E-07	7.66E-07	4.21E-05	1.95E-05	1.92E-04	2.85E-05	2.81E-05	2.68E-04	1.85E-05	3.60E-10	3.80E-07	7.66E-07	1.97E-05
3865	488863.09	3852877.25	5.09E-05	4.88E-10	4.42E-07	8.08E-07	5.21E-05	2.42E-05	2.15E-04	3.32E-05	2.96E-05	3.02E-04	2.30E-05	4.03E-10	4.42E-07	8.08E-07	2.43E-05
3866	489363.09	3852877.25	5.92E-05	5.19E-10	4.46E-07	8.37E-07	6.05E-05	2.82E-05	2.29E-04	3.34E-05	3.07E-05	3.21E-04	2.68E-05	4.29E-10	4.46E-07	8.37E-07	2.81E-05
3867	489863.09	3852877.25	6.78E-05	5.52E-10	4.46E-07	8.63E-07	6.92E-05	3.23E-05	2.43E-04	3.34E-05	3.16E-05	3.40E-04	3.07E-05	4.56E-10	4.46E-07	8.63E-07	3.20E-05
3868	490363.09	3852877.25	9.32E-05	6.77E-10	4.68E-07	9.18E-07	9.46E-05	4.43E-05	2.98E-04	3.51E-05	3.37E-05	4.11E-04	4.22E-05	5.59E-10	4.68E-07	9.18E-07	4.36E-05
3869	490863.09	3852877.25	1.09E-04	7.47E-10	4.55E-07	9.55E-07	1.10E-04	5.16E-05	3.29E-04	3.41E-05	3.50E-05	4.50E-04	4.91E-05	6.17E-10	4.55E-07	9.55E-07	5.05E-05
3870	491363.09	3852877.25	1.23E-04	8.17E-10	4.64E-07	9.89E-07	1.25E-04	5.86E-05	3.60E-04	3.48E-05	3.63E-05	4.89E-04	5.57E-05	6.75E-10	4.64E-07	9.89E-07	5.72E-05
3871	491863.09	3852877.25	1.32E-04	8.58E-10	5.11E-07	1.01E-06	1.33E-04	6.27E-05	3.78E-04	3.83E-05	3.71E-05	5.16E-04	5.97E-05	7.08E-10	5.11E-07	1.01E-06	6.12E-05
3872	492363.09	3852877.25	1.42E-04	9.00E-10	6.49E-07	1.03E-06	1.43E-04	6.74E-05	3.96E-04	4.87E-05	3.78E-05	5.50E-04	6.41E-05	7.43E-10	6.49E-07	1.03E-06	6.58E-05
3873	492863.09	3852877.25	1.59E-04	9.75E-10	8.68E-07	1.06E-06	1.60E-04	7.54E-05	4.29E-04	6.51E-05	3.89E-05	6.09E-04	7.17E-05	8.05E-10	8.68E-07	1.06E-06	7.37E-05
3874	493363.09	3852877.25	1.70E-04	1.03E-09	1.01E-06	1.08E-06	1.72E-04	8.07E-05	4.55E-04	7.56E-05	3.95E-05	6.51E-04	7.67E-05	8.54E-10	1.01E-06	1.08E-06	7.88E-05
3875	493863.09	3852877.25	1.69E-04	1.05E-09	9.59E-07	1.07E-06	1.71E-04	8.05E-05	4.62E-04	7.19E-05	3.92E-05	6.53E-04	7.66E-05	8.66E-10	9.59E-07	1.07E-06	7.86E-05
3876	494363.09	3852877.25	1.69E-04	1.06E-09	9.07E-07	1.08E-06	1.71E-04	8.05E-05	4.67E-04	6.80E-05	3.95E-05	6.55E-04	7.66E-05	8.76E-10	9.07E-07	1.08E-06	7.86E-05
3877	494863.09	3852877.25	1.72E-04	1.09E-09	8.98E-07	1.09E-06	1.74E-04	8.19E-05	4.80E-04	6.74E-05	3.98E-05	6.69E-04	7.79E-05	9.00E-10	8.98E-07	1.09E-06	7.99E-05
3878	495363.09	3852877.25	1.64E-04	1.06E-09	9.41E-07	1.08E-06	1.66E-04	7.80E-05	4.68E-04	7.05E-05	3.97E-05	6.57E-04	7.42E-05	8.78E-10	9.41E-07	1.08E-06	7.62E-05
3879	495863.09	3852877.25	1.55E-04	1.04E-09	1.01E-06	1.07E-06	1.57E-04	7.38E-05	4.56E-04	7.60E-05	3.93E-05	6.46E-04	7.02E-05	8.56E-10	1.01E-06	1.07E-06	7.23E-05
3880	496363.09	3852877.25	1.52E-04	1.04E-09	1.10E-06	1.07E-06	1.55E-04	7.25E-05	4.58E-04	8.22E-05	3.92E-05	6.52E-04	6.89E-05	8.59E-10	1.10E-06	1.07E-06	7.11E-05
3881	496863.09	3852877.25	1.45E-04	1.02E-09	1.16E-06	1.06E-06	1.47E-04	6.89E-05	4.51E-04	8.73E-05	3.89E-05	6.46E-04	6.56E-05	8.45E-10	1.16E-06	1.06E-06	6.78E-05
3882	497363.09	3852877.25	1.25E-04	9.33E-10	1.19E-06	1.04E-06	1.27E-04	5.95E-05	4.11E-04	8.96E-05	3.80E-05	5.98E-04	5.66E-05	7.71E-10	1.19E-06	1.04E-06	5.89E-05
3883	497863.09	3852877.25	9.60E-05	7.86E-10	1.19E-06	1.00E-06	9.82E-05	4.57E-05	3.46E-04	8.93E-05	3.67E-05	5.18E-04	4.34E-05	6.49E-10	1.19E-06	1.00E-06	4.56E-05
3884	498363.09	3852877.25	9.03E-05	7.67E-10	1.26E-06	9.93E-07	9.25E-05	4.29E-05	3.38E-04	9.45E-05	3.64E-05	5.12E-04	4.08E-05	6.34E-10	1.26E-06	9.93E-07	4.31E-05
3885	471363.09	3853377.25	3.24E-05	3.40E-10	3.17E-07	3.03E-07	3.30E-05	1.54E-05	1.50E-04	2.38E-05	1.11E-05	2.00E-04	1.47E-05	2.81E-10	3.17E-07	3.03E-07	1.53E-05
3886	471863.09	3853377.25	3.57E-05	3.60E-10	3.23E-07	3.14E-07	3.63E-05	1.69E-05	1.58E-04	2.42E-05	1.15E-05	2.11E-04	1.61E-05	2.97E-10	3.23E-07	3.14E-07	1.68E-05
3887	472363.09	3853377.25	3.84E-05	3.80E-10	3.26E-07	3.25E-07	3.90E-05	1.82E-05	1.67E-04	2.44E-05	1.19E-05	2.22E-04	1.74E-05	3.14E-10	3.26E-07	3.25E-07	1.80E-05
3888	472863.09	3853377.25	4.11E-05	4.01E-10	3.27E-07	3.36E-07	4.18E-05	1.95E-05	1.77E-04	2.46E-05	1.23E-05	2.33E-04	1.86E-05	3.31E-10	3.27E-07	3.36E-07	1.93E-05
3889	473363.09	3853377.25	4.34E-05	4.17E-10	3.28E-07	3.44E-07	4.40E-05	2.06E-05	1.84E-04	2.46E-05	1.26E-05	2.41E-04	1.96E-05	3.44E-10	3.28E-07	3.44E-07	2.03E-05
3890	473863.09	3853377.25	4.59E-05	4.35E-10	3.33E-07	3.51E-07	4.66E-05	2.18E-05	1.92E-04	2.49E-05	1.29E-05	2.51E-04	2.08E-05	3.59E-10	3.33E-07	3.51E-07	2.15E-05
3891	474363.09	3853377.25	4.87E-05	4.51E-10	3.42E-07	3.57E-07	4.94E-05	2.32E-05	1.99E-04	2.56E-05	1.31E-05	2.61E-04	2.20E-05	3.73E-10	3.42E-07	3.57E-07	2.27E-05
3892	474863.09	3853377.25	4.94E-05	4.42E-10	3.50E-07	3.62E-07	5.01E-05	2.35E-05	1.95E-04	2.63E-05	1.33E-05	2.58E-04	2.24E-05	3.65E-10	3.50E-07	3.62E-07	2.31E-05
3893	475363.09	3853377.25	5.11E-05	4.44E-10	3.61E-07	3.69E-07	5.18E-05	2.43E-05	1.96E-04	2.71E-05	1.35E-05	2.61E-04	2.31E-05	3.67E-10	3.61E-07	3.69E-07	2.38E-05
3894	475863.09	3853377.25	5.23E-05	4.46E-10	3.67E-07	3.78E-07	5.30E-05	2.49E-05	1.97E-04	2.75E-05	1.39E-05	2.63E-04	2.36E-05	3.69E-10	3.67E-07	3.78E-07	2.44E-05
3895	476363.09	3853377.25	4.94E-05	4.25E-10	3.53E-07	3.83E-07	5.01E-05	2.35E-05	1.87E-04	2.65E-05	1.41E-05	2.51E-04	2.24E-05	3.51E-10	3.53E-07	3.83E-07	2.31E-05
3896	476863.09	3853377.25	4.29E-05	3.86E-10	3.23E-07	3.86E-07	4.36E-05	2.04E-05	1.70E-04	2.42E-05	1.41E-05	2.29E-04	1.94E-05	3.19E-10	3.23E-07	3.86E-07	2.01E-05
3897	477363.09	3853377.25	4.23E-05	3.89E-10	2.99E-07	3.90E-07	4.29E-05	2.01E-05	1.71E-04	2.25E-05	1.43E-05	2.28E-04	1.91E-05	3.21E-10	2.99E-07	3.90E-07	1.98E-05
3898	477863.09	3853377.25	4.25E-05	4.00E-10	2.74E-07	3.95E-07	4.32E-05	2.02E-05	1.76E-04	2.05E-05	1.45E-05	2.31E-04	1.92E-05	3.30E-10	2.74E-07	3.95E-07	1.99E-05
3899	478363.09	3853377.25	3.61E-05	3.65E-10	2.36E-07	4.00E-07	3.67E-05	1.72E-05	1.61E-04	1.77E-05	1.47E-05	2.10E-04	1.63E-05	3.01E-10	2.36E-07	4.00E-07	1.70E-05
3900	478863.09	3853377.25	2.80E-05	3.23E-10	2.11E-07	4.06E-07	2.86E-05	1.33E-05	1.42E-04	1.58E-05	1.49E-05	1.86E-04	1.27E-05	2.66E-10	2.11E-07	4.06E-07	1.33E-05

3901	479363.09	3853377.25	4.57E-05	4.45E-10	2.22E-07	4.31E-07	4.64E-05	2.17E-05	1.96E-04	1.66E-05	1.58E-05	2.50E-04	2.07E-05	3.67E-10	2.22E-07	4.31E-07	2.13E-05
3902	479863.09	3853377.25	7.04E-05	5.77E-10	2.38E-07	4.52E-07	7.10E-05	3.35E-05	2.54E-04	1.79E-05	1.66E-05	3.22E-04	3.18E-05	4.76E-10	2.38E-07	4.52E-07	3.25E-05
3903	480363.09	3853377.25	1.15E-04	8.69E-10	2.52E-07	4.71E-07	1.16E-04	5.47E-05	3.83E-04	1.89E-05	1.73E-05	4.74E-04	5.21E-05	7.18E-10	2.52E-07	4.71E-07	5.28E-05
3904	480863.09	3853377.25	1.29E-04	8.88E-10	2.59E-07	4.83E-07	1.30E-04	6.15E-05	3.91E-04	1.94E-05	1.77E-05	4.90E-04	5.85E-05	7.34E-10	2.59E-07	4.83E-07	5.93E-05
3905	481363.09	3853377.25	1.60E-04	1.46E-09	2.65E-07	5.11E-07	1.61E-04	7.62E-05	6.41E-04	1.99E-05	1.87E-05	7.56E-04	7.25E-05	1.20E-09	2.65E-07	5.11E-07	7.32E-05
3906	481863.09	3853377.25	1.63E-04	1.99E-09	2.81E-07	5.38E-07	1.64E-04	7.75E-05	8.77E-04	2.10E-05	1.97E-05	9.95E-04	7.37E-05	1.64E-09	2.81E-07	5.38E-07	7.45E-05
3907	482363.09	3853377.25	1.63E-04	1.81E-09	2.88E-07	5.98E-07	1.64E-04	7.74E-05	7.98E-04	2.16E-05	2.19E-05	9.19E-04	7.37E-05	1.50E-09	2.88E-07	5.98E-07	7.46E-05
3908	482863.09	3853377.25	2.19E-04	1.76E-09	2.90E-07	6.57E-07	2.20E-04	1.04E-04	7.73E-04	2.18E-05	2.41E-05	9.23E-04	9.92E-05	1.45E-09	2.90E-07	6.57E-07	1.00E-04
3909	483363.09	3853377.25	2.52E-04	1.27E-09	2.91E-07	6.54E-07	2.53E-04	1.20E-04	5.58E-04	2.18E-05	2.40E-05	7.23E-04	1.14E-04	1.05E-09	2.91E-07	6.54E-07	1.15E-04
3910	483863.09	3853377.25	2.08E-04	1.00E-09	3.44E-07	6.94E-07	2.09E-04	9.89E-05	4.43E-04	2.58E-05	2.54E-05	5.93E-04	9.41E-05	8.30E-10	3.44E-07	6.94E-07	9.52E-05
3911	484363.09	3853377.25	1.91E-04	9.43E-10	3.94E-07	6.89E-07	1.92E-04	9.06E-05	4.15E-04	2.95E-05	2.53E-05	5.61E-04	8.62E-05	7.79E-10	3.94E-07	6.89E-07	8.73E-05
3912	484863.09	3853377.25	1.49E-04	7.37E-10	4.04E-07	7.84E-07	1.50E-04	7.08E-05	3.25E-04	3.03E-05	2.87E-05	4.55E-04	6.73E-05	6.09E-10	4.04E-07	7.84E-07	6.85E-05
3913	485363.09	3853377.25	8.30E-05	5.70E-10	6.09E-07	8.40E-07	8.44E-05	3.94E-05	2.51E-04	4.57E-05	3.08E-05	3.67E-04	3.75E-05	4.71E-10	6.09E-07	8.40E-07	3.90E-05
3914	485863.09	3853377.25	5.48E-05	5.10E-10	4.44E-07	8.35E-07	5.61E-05	2.61E-05	2.25E-04	3.33E-05	3.06E-05	3.15E-04	2.48E-05	4.21E-10	4.44E-07	8.35E-07	2.61E-05
3915	486363.09	3853377.25	5.80E-05	5.74E-10	5.37E-07	9.04E-07	5.94E-05	2.76E-05	2.53E-04	4.03E-05	3.32E-05	3.54E-04	2.62E-05	4.74E-10	5.37E-07	9.04E-07	2.77E-05
3916	486863.09	3853377.25	6.16E-05	6.29E-10	6.31E-07	9.42E-07	6.32E-05	2.93E-05	2.77E-04	4.73E-05	3.45E-05	3.88E-04	2.79E-05	5.19E-10	6.31E-07	9.42E-07	2.95E-05
3917	487363.09	3853377.25	7.35E-05	7.00E-10	5.66E-07	9.67E-07	7.50E-05	3.49E-05	3.08E-04	4.25E-05	3.55E-05	4.21E-04	3.33E-05	5.78E-10	5.66E-07	9.67E-07	3.48E-05
3918	487863.09	3853377.25	8.99E-05	7.60E-10	4.01E-07	9.95E-07	9.13E-05	4.28E-05	3.35E-04	3.00E-05	3.65E-05	4.44E-04	4.07E-05	6.27E-10	4.01E-07	9.95E-07	4.21E-05
3919	488363.09	3853377.25	1.10E-04	8.35E-10	4.29E-07	1.05E-06	1.11E-04	5.23E-05	3.68E-04	3.22E-05	3.84E-05	4.91E-04	4.98E-05	6.90E-10	4.29E-07	1.05E-06	5.12E-05
3920	488863.09	3853377.25	1.27E-04	8.81E-10	5.06E-07	1.10E-06	1.28E-04	6.02E-05	3.88E-04	3.80E-05	4.04E-05	5.26E-04	5.73E-05	7.27E-10	5.06E-07	1.10E-06	5.89E-05
3921	489363.09	3853377.25	1.41E-04	9.16E-10	5.43E-07	1.12E-06	1.43E-04	6.72E-05	4.04E-04	4.07E-05	4.12E-05	5.53E-04	6.39E-05	7.57E-10	5.43E-07	1.12E-06	6.56E-05
3922	489863.09	3853377.25	1.49E-04	9.45E-10	5.98E-07	1.13E-06	1.51E-04	7.09E-05	4.16E-04	4.48E-05	4.16E-05	5.73E-04	6.75E-05	7.80E-10	5.98E-07	1.13E-06	6.92E-05
3923	490363.09	3853377.25	1.69E-04	1.03E-09	6.06E-07	1.17E-06	1.71E-04	8.03E-05	4.55E-04	4.55E-05	4.28E-05	6.23E-04	7.64E-05	8.52E-10	6.06E-07	1.17E-06	7.82E-05
3924	490863.09	3853377.25	1.86E-04	1.09E-09	5.77E-07	1.20E-06	1.88E-04	8.84E-05	4.81E-04	4.33E-05	4.39E-05	6.56E-04	8.41E-05	9.02E-10	5.77E-07	1.20E-06	8.58E-05
3925	491363.09	3853377.25	2.01E-04	1.15E-09	5.49E-07	1.21E-06	2.02E-04	9.54E-05	5.07E-04	4.11E-05	4.44E-05	6.88E-04	9.08E-05	9.52E-10	5.49E-07	1.21E-06	9.26E-05
3926	491863.09	3853377.25	2.12E-04	1.20E-09	7.02E-07	1.22E-06	2.14E-04	1.01E-04	5.30E-04	5.27E-05	4.46E-05	7.28E-04	9.60E-05	9.93E-10	7.02E-07	1.22E-06	9.79E-05
3927	492363.09	3853377.25	2.29E-04	1.28E-09	9.61E-07	1.23E-06	2.31E-04	1.09E-04	5.62E-04	7.21E-05	4.50E-05	7.87E-04	1.03E-04	1.05E-09	9.61E-07	1.23E-06	1.06E-04
3928	492863.09	3853377.25	2.43E-04	1.35E-09	1.19E-06	1.24E-06	2.45E-04	1.15E-04	5.94E-04	8.96E-05	4.55E-05	8.45E-04	1.10E-04	1.11E-09	1.19E-06	1.24E-06	1.12E-04
3929	493363.09	3853377.25	2.43E-04	1.38E-09	1.16E-06	1.24E-06	2.45E-04	1.15E-04	6.09E-04	8.68E-05	4.53E-05	8.56E-04	1.10E-04	1.14E-09	1.16E-06	1.24E-06	1.12E-04
3930	493863.09	3853377.25	2.40E-04	1.40E-09	1.09E-06	1.24E-06	2.43E-04	1.14E-04	6.15E-04	8.15E-05	4.55E-05	8.56E-04	1.09E-04	1.15E-09	1.09E-06	1.24E-06	1.11E-04
3931	494363.09	3853377.25	2.30E-04	1.37E-09	1.05E-06	1.23E-06	2.32E-04	1.09E-04	6.03E-04	7.86E-05	4.52E-05	8.36E-04	1.04E-04	1.13E-09	1.05E-06	1.23E-06	1.06E-04
3932	494863.09	3853377.25	2.16E-04	1.33E-09	1.14E-06	1.22E-06	2.19E-04	1.03E-04	5.84E-04	8.57E-05	4.48E-05	8.17E-04	9.78E-05	1.10E-09	1.14E-06	1.22E-06	1.00E-04
3933	495363.09	3853377.25	2.09E-04	1.32E-09	1.26E-06	1.22E-06	2.11E-04	9.92E-05	5.79E-04	9.46E-05	4.46E-05	8.18E-04	9.44E-05	1.09E-09	1.26E-06	1.22E-06	9.69E-05
3934	495863.09	3853377.25	1.97E-04	1.28E-09	1.34E-06	1.20E-06	1.99E-04	9.35E-05	5.64E-04	1.00E-04	4.39E-05	8.02E-04	8.90E-05	1.06E-09	1.34E-06	1.20E-06	9.15E-05
3935	496363.09	3853377.25	1.80E-04	1.22E-09	1.39E-06	1.17E-06	1.83E-04	8.57E-05	5.39E-04	1.04E-04	4.30E-05	7.71E-04	8.15E-05	1.01E-09	1.39E-06	1.17E-06	8.41E-05
3936	496863.09	3853377.25	1.58E-04	1.13E-09	1.44E-06	1.14E-06	1.61E-04	7.53E-05	4.98E-04	1.08E-04	4.20E-05	7.23E-04	7.16E-05	9.35E-10	1.44E-06	1.14E-06	7.42E-05
3937	497363.09	3853377.25	1.32E-04	1.01E-09	1.48E-06	1.11E-06	1.35E-04	6.28E-05	4.47E-04	1.11E-04	4.08E-05	6.61E-04	5.97E-05	8.38E-10	1.48E-06	1.11E-06	6.23E-05
3938	497863.09	3853377.25	9.04E-05	7.84E-10	1.43E-06	1.04E-06	9.29E-05	4.30E-05	3.45E-04	1.07E-04	3.82E-05	5.34E-04	4.09E-05	6.47E-10	1.43E-06	1.04E-06	4.34E-05
3939	498363.09	3853377.25	7.16E-05	6.75E-10	1.43E-06	9.89E-07	7.40E-05	3.40E-05	2.97E-04	1.07E-04	3.62E-05	4.74E-04	3.24E-05	5.57E-10	1.43E-06	9.89E-07	3.48E-05
3940	471363.09	3853877.25	3.18E-05	3.65E-10	3.37E-07	3.02E-07	3.24E-05	1.51E-05	1.61E-04	2.53E-05	1.11E-05	2.12E-04	1.44E-05	3.01E-10	3.37E-07	3.02E-07	1.50E-05
3941	471863.09	3853877.25	3.57E-05	3.92E-10	3.56E-07	3.14E-07	3.63E-05	1.69E-05	1.73E-04	2.67E-05	1.15E-05	2.28E-04	1.61E-05	3.24E-10	3.56E-07	3.14E-07	1.68E-05
3942	472363.09	3853877.25	3.82E-05	4.05E-10	3.65E-07	3.26E-07	3.89E-05	1.82E-05	1.78E-04	2.74E-05	1.20E-05	2.36E-04	1.73E-05	3.34E-10	3.65E-07	3.26E-07	1.80E-05
3943	472863.09	3853877.25	4.14E-05	4.23E-10	3.73E-07	3.41E-07	4.21E-05	1.97E-05	1.86E-04	2.79E-05	1.25E-05	2.46E-04	1.87E-05	3.49E-10	3.73E-07	3.41E-07	1.95E-05
3944	473363.09	3853877.25	4.38E-05	4.31E-10	3.72E-07	3.53E-07	4.45E-05	2.08E-05	1.90E-04	2.79E-05	1.29E-05	2.52E-04	1.98E-05	3.56E-10	3.72E-07	3.53E-07	2.05E-05
3945	473863.09	3853877.25	4.62E-05	4.43E-10	3.70E-07	3.66E-07	4.70E-05	2.20E-05	1.95E-04	2.77E-05	1.34E-05	2.58E-04	2.09E-05	3.66E-10	3.70E-07	3.66E-07	2.16E-05
3946	474363.09	3853877.25	4.93E-05	4.63E-10	3.68E-07	3.79E-07	5.00E-05	2.34E-05	2.04E-04	2.76E-05	1.39E-05	2.69E-04	2.23E-05	3.83E-10	3.68E-07	3.79E-07	2.30E-05
3947	474863.09	3853877.25	5.17E-05	4.78E-10	3.67E-07	3.89E-07	5.25E-05	2.46E-05	2.10E-04	2.76E-05	1.43E-05	2.77E-04	2.34E-05	3.95E-10	3.67E-07	3.89E-07	2.42E-05
3948	475363.09	3853877.25	5.09E-05	4.64E-10	3.67E-07	3.94E-07	5.17E-05	2.42E-05	2.04E-04	2.75E-05	1.44E-05	2.71E-04	2.30E-05	3.83E-10	3.67E-07	3.94E-07	2.38E-05
3949	475863.09	3853877.25	4.44E-05	4.19E-10	3.63E-07	3.94E-07	4.51E-05	2.11E-05	1.85E-04	2.72E-05	1.45E-05	2.47E-04	2.01E-05	3.46E-10	3.63E-07	3.94E-07	2.08E-05
3950	476363.09	3853877.25	3.77E-05	3.79E-10	3.59E-07	3.98E-07	3.85E-05	1.79E-05	1.67E-04	2.69E-05	1.46E-05	2.26E-04	1.71E-05	3.13E-10	3.59E-07	3.98E-07	1.78E-05
3951	476863.09	3853877.25	3.05E-05	3.36E-10	3.36E-07	4.04E-07	3.12E-05	1.45E-05	1.48E-04	2.52E-05	1.48E-05	2.03E-04	1.38E-05	2.78E-10	3.36E-07	4.04E-07	1.45E-05
3952	477363.09	3853877.25	3.37E-05	3.55E-10	3.31E-07	4.17E-07	3.45E-05	1.60E-05	1.56E-04	2.48E-05	1.53E-05	2.12E-04	1.53E-05	2.93E-10	3.31E-07	4.17E-07	1.60E-05
3953	477863.09	3853877.25	3.90E-05	3.90E-10	3.29E-07	4.32E-07	3.97E-05	1.85E-05	1.72E-04	2.47E-05	1.59E-05	2.31E-04	1.76E-05	3.22E-10	3.29E-07	4.32E-07	1.84E-05
3954	478363.09	3853877.25	4.15E-05	4.12E-10	3.13E-07	4.46E-07	4.23E-05	1.98E-05	1.81E-04	2.35E-05	1.64E-05	2.41E-04	1.88E-05	3.40E-10	3.13E-07	4.46E-07	1.96E-05
3955	478863.09	3853877.25	3.02E-05	3.45E-10	2.69E-07	4.53E-07	3.09E-05	1.44E-05	1.52E-04	2.02E-05	1.66E-05	2.03E-04	1.37E-05	2.85E-10	2.69E-07	4.53E-07	1.44E-05
3956	479363.09	3853877.25	4.05E-05	4.20E-10	2.60E-07	4.74E-07	4.12E-05	1.92E-05	1.85E-04	1.95E-05	1.74E-05	2.41E-04	1.83E-05	3.47E-10	2.60E-07	4.74E-07	1.90E-05
3957	479863.09	3853877.25	7.32E-05	6.14E-10	2.70E-07	5.07E-07	7.40E-05	3.48E-05	2.71E-04	2.03E-05	1.86E-05	3.44E-04	3.31E-05	5.07E-10	2.70E-07	5.07E-07	3.39E-05
3958	480363.09	3853877.25	1.05E-04	7.85E-10	2.65E-07	5.48E-07	1.06E-04	5.01E-05	3.46E-04	1.99E-05	2.01E-05	4.36E-04	4.77E-05	6.49E-10	2.65E-07	5.48E-07	4.85E-05
3959	480863.09	3853877.25	1.50E-04	1.16E-09	2.70E-07	5.77E-07	1.50E-04	7.11E-05	5.13E-04	2.03E-05	2.12E-05	6.25E-04	6.77E-05	9.62E-10	2.70E-07	5.77E-07	6.85E-05
3960	481363.09	3853877.25	1.78E-04	1.62E-09	2.82E-07	6.11E-07	1.79E-04	8.46E-05	7.14E-04	2.11E-05	2.24E-05	8.43E-04	8.05E-05	1.34E-09	2.82E-07	6.11E-07	8.14E-05
3961	481863.09	3853877.25	2.03E-04	2.67E-09	2.99E-07	6.85E-07	2.04E-04	9.64E-05	1.18E-03	2.24E-05	2.51E-05	1.32E-03	9.17E-05	2.21E-09	2.99E-07	6.85E-07	9.27E-05

3962	482363.09	3853877.25	2.29E-04	2.54E-09	3.07E-07	7.72E-07	2.30E-04	1.09E-04	1.12E-03	2.30E-05	2.83E-05	1.28E-03	1.04E-04	2.10E-09	3.07E-07	7.72E-07	1.05E-04
3963	482863.09	3853877.25	2.44E-04	2.19E-09	3.14E-07	8.90E-07	2.46E-04	1.16E-04	9.66E-04	2.35E-05	3.26E-05	1.14E-03	1.11E-04	1.81E-09	3.14E-07	8.90E-07	1.12E-04
3964	483363.09	3853877.25	3.28E-04	1.70E-09	3.16E-07	8.70E-07	3.29E-04	1.56E-04	7.49E-04	2.37E-05	3.19E-05	9.60E-04	1.48E-04	1.40E-09	3.16E-07	8.70E-07	1.50E-04
3965	483863.09	3853877.25	3.61E-04	1.50E-09	3.22E-07	9.43E-07	3.62E-04	1.72E-04	6.59E-04	2.42E-05	3.46E-05	8.89E-04	1.63E-04	1.24E-09	3.22E-07	9.43E-07	1.65E-04
3966	484363.09	3853877.25	2.70E-04	1.13E-09	4.07E-07	1.06E-06	2.72E-04	1.29E-04	4.99E-04	3.05E-05	3.87E-05	6.97E-04	1.22E-04	9.36E-10	4.07E-07	1.06E-06	1.24E-04
3967	484863.09	3853877.25	1.71E-04	9.13E-10	4.98E-07	1.19E-06	1.73E-04	8.15E-05	4.02E-04	3.74E-05	4.37E-05	5.64E-04	7.75E-05	7.54E-10	4.98E-07	1.19E-06	7.92E-05
3968	485363.09	3853877.25	9.02E-05	7.64E-10	4.73E-07	1.20E-06	9.19E-05	4.29E-05	3.36E-04	3.55E-05	4.39E-05	4.59E-04	4.08E-05	6.31E-10	4.73E-07	1.20E-06	4.25E-05
3969	485863.09	3853877.25	1.02E-04	9.06E-10	6.27E-07	1.26E-06	1.03E-04	4.83E-05	3.99E-04	4.70E-05	4.64E-05	5.41E-04	4.59E-05	7.49E-10	6.27E-07	1.26E-06	4.78E-05
3970	486363.09	3853877.25	1.04E-04	9.70E-10	5.57E-07	1.27E-06	1.06E-04	4.95E-05	4.27E-04	4.18E-05	4.65E-05	5.65E-04	4.71E-05	8.01E-10	5.57E-07	1.27E-06	4.90E-05
3971	486863.09	3853877.25	1.16E-04	1.01E-09	7.27E-07	1.26E-06	1.18E-04	5.50E-05	4.44E-04	5.45E-05	4.63E-05	6.00E-04	5.23E-05	8.33E-10	7.27E-07	1.26E-06	5.43E-05
3972	487363.09	3853877.25	1.47E-04	1.10E-09	7.31E-07	1.32E-06	1.49E-04	7.00E-05	4.86E-04	5.49E-05	4.85E-05	6.60E-04	6.66E-05	9.12E-10	7.31E-07	1.32E-06	6.87E-05
3973	487863.09	3853877.25	2.00E-04	1.26E-09	4.76E-07	1.40E-06	2.01E-04	9.49E-05	5.54E-04	3.57E-05	5.12E-05	7.36E-04	9.03E-05	1.04E-09	4.76E-07	1.40E-06	9.22E-05
3974	488363.09	3853877.25	2.36E-04	1.35E-09	4.93E-07	1.42E-06	2.38E-04	1.12E-04	5.96E-04	3.70E-05	5.22E-05	7.97E-04	1.07E-04	1.12E-09	4.93E-07	1.42E-06	1.09E-04
3975	488863.09	3853877.25	2.81E-04	1.48E-09	5.79E-07	1.49E-06	2.83E-04	1.33E-04	6.51E-04	4.34E-05	5.46E-05	8.83E-04	1.27E-04	1.22E-09	5.79E-07	1.49E-06	1.29E-04
3976	489363.09	3853877.25	2.84E-04	1.46E-09	6.80E-07	1.48E-06	2.86E-04	1.35E-04	6.45E-04	5.10E-05	5.43E-05	8.85E-04	1.28E-04	1.21E-09	6.80E-07	1.48E-06	1.31E-04
3977	489863.09	3853877.25	3.05E-04	1.55E-09	8.04E-07	1.48E-06	3.07E-04	1.45E-04	6.82E-04	6.03E-05	5.44E-05	9.41E-04	1.38E-04	1.28E-09	8.04E-07	1.48E-06	1.40E-04
3978	490363.09	3853877.25	3.11E-04	1.57E-09	8.39E-07	1.46E-06	3.13E-04	1.48E-04	6.92E-04	6.30E-05	5.37E-05	9.56E-04	1.41E-04	1.30E-09	8.39E-07	1.46E-06	1.43E-04
3979	490863.09	3853877.25	3.21E-04	1.62E-09	6.27E-07	1.46E-06	3.23E-04	1.53E-04	7.12E-04	4.70E-05	5.34E-05	9.65E-04	1.45E-04	1.33E-09	6.27E-07	1.46E-06	1.47E-04
3980	491363.09	3853877.25	3.31E-04	1.66E-09	7.65E-07	1.46E-06	3.33E-04	1.57E-04	7.31E-04	5.73E-05	5.34E-05	1.00E-03	1.50E-04	1.37E-09	7.65E-07	1.46E-06	1.52E-04
3981	491863.09	3853877.25	3.36E-04	1.69E-09	1.13E-06	1.44E-06	3.39E-04	1.60E-04	7.46E-04	8.51E-05	5.29E-05	1.04E-03	1.52E-04	1.40E-09	1.13E-06	1.44E-06	1.55E-04
3982	492363.09	3853877.25	3.49E-04	1.79E-09	1.39E-06	1.44E-06	3.52E-04	1.66E-04	7.87E-04	1.04E-04	5.27E-05	1.11E-03	1.58E-04	1.48E-09	1.39E-06	1.44E-06	1.61E-04
3983	492863.09	3853877.25	3.50E-04	1.84E-09	1.42E-06	1.43E-06	3.53E-04	1.67E-04	8.12E-04	1.07E-04	5.26E-05	1.14E-03	1.59E-04	1.52E-09	1.42E-06	1.43E-06	1.61E-04
3984	493363.09	3853877.25	3.39E-04	1.83E-09	1.30E-06	1.43E-06	3.42E-04	1.61E-04	8.08E-04	9.72E-05	5.25E-05	1.12E-03	1.53E-04	1.52E-09	1.30E-06	1.43E-06	1.56E-04
3985	493863.09	3853877.25	3.22E-04	1.80E-09	1.30E-06	1.42E-06	3.24E-04	1.53E-04	7.91E-04	9.76E-05	5.21E-05	1.09E-03	1.46E-04	1.48E-09	1.30E-06	1.42E-06	1.48E-04
3986	494363.09	3853877.25	3.07E-04	1.77E-09	1.53E-06	1.41E-06	3.10E-04	1.46E-04	7.81E-04	1.15E-04	5.17E-05	1.09E-03	1.39E-04	1.46E-09	1.53E-06	1.41E-06	1.42E-04
3987	494863.09	3853877.25	2.85E-04	1.71E-09	1.69E-06	1.38E-06	2.88E-04	1.36E-04	7.52E-04	1.27E-04	5.07E-05	1.06E-03	1.29E-04	1.41E-09	1.69E-06	1.38E-06	1.32E-04
3988	495363.09	3853877.25	2.45E-04	1.54E-09	1.63E-06	1.32E-06	2.48E-04	1.16E-04	6.77E-04	1.22E-04	4.85E-05	9.64E-04	1.11E-04	1.27E-09	1.63E-06	1.32E-06	1.14E-04
3989	495863.09	3853877.25	2.14E-04	1.42E-09	1.65E-06	1.28E-06	2.17E-04	1.02E-04	6.24E-04	1.24E-04	4.70E-05	8.97E-04	9.67E-05	1.17E-09	1.65E-06	1.28E-06	9.96E-05
3990	496363.09	3853877.25	1.94E-04	1.35E-09	1.73E-06	1.26E-06	1.97E-04	9.22E-05	5.95E-04	1.30E-04	4.61E-05	8.64E-04	8.78E-05	1.12E-09	1.73E-06	1.26E-06	9.08E-05
3991	496863.09	3853877.25	1.63E-04	1.22E-09	1.79E-06	1.22E-06	1.66E-04	7.77E-05	5.37E-04	1.34E-04	4.46E-05	7.94E-04	7.39E-05	1.01E-09	1.79E-06	1.22E-06	7.69E-05
3992	497363.09	3853877.25	1.39E-04	1.11E-09	1.81E-06	1.18E-06	1.42E-04	6.62E-05	4.90E-04	1.36E-04	4.34E-05	7.36E-04	6.29E-05	9.20E-10	1.81E-06	1.18E-06	6.59E-05
3993	497863.09	3853877.25	1.10E-04	9.61E-10	1.82E-06	1.14E-06	1.13E-04	5.22E-05	4.23E-04	1.36E-04	4.18E-05	6.53E-04	4.96E-05	7.93E-10	1.82E-06	1.14E-06	5.26E-05
3994	498363.09	3853877.25	9.32E-05	8.68E-10	1.80E-06	1.09E-06	9.61E-05	4.43E-05	3.82E-04	1.35E-04	4.01E-05	6.02E-04	4.22E-05	7.17E-10	1.80E-06	1.09E-06	4.51E-05
3995	471363.09	3854377.25	3.11E-05	3.78E-10	3.21E-07	3.02E-07	3.17E-05	1.48E-05	1.67E-04	2.41E-05	1.11E-05	2.17E-04	1.41E-05	3.13E-10	3.21E-07	3.02E-07	1.47E-05
3996	471863.09	3854377.25	3.40E-05	4.11E-10	3.45E-07	3.14E-07	3.47E-05	1.62E-05	1.81E-04	2.59E-05	1.15E-05	2.34E-04	1.54E-05	3.39E-10	3.45E-07	3.14E-07	1.61E-05
3997	472363.09	3854377.25	3.66E-05	4.33E-10	3.67E-07	3.26E-07	3.72E-05	1.74E-05	1.91E-04	2.75E-05	1.20E-05	2.47E-04	1.65E-05	3.57E-10	3.67E-07	3.26E-07	1.72E-05
3998	472863.09	3854377.25	3.89E-05	4.47E-10	3.84E-07	3.38E-07	3.96E-05	1.85E-05	1.97E-04	2.88E-05	1.24E-05	2.57E-04	1.76E-05	3.69E-10	3.84E-07	3.38E-07	1.83E-05
3999	473363.09	3854377.25	4.21E-05	4.67E-10	4.03E-07	3.52E-07	4.29E-05	2.00E-05	2.06E-04	3.02E-05	1.29E-05	2.69E-04	1.90E-05	3.86E-10	4.03E-07	3.52E-07	1.98E-05
4000	473863.09	3854377.25	4.60E-05	4.91E-10	4.20E-07	3.69E-07	4.68E-05	2.19E-05	2.16E-04	3.15E-05	1.35E-05	2.83E-04	2.08E-05	4.06E-10	4.20E-07	3.69E-07	2.16E-05
4001	474363.09	3854377.25	5.01E-05	5.11E-10	4.30E-07	3.85E-07	5.09E-05	2.38E-05	2.25E-04	3.23E-05	1.41E-05	2.95E-04	2.27E-05	4.22E-10	4.30E-07	3.85E-07	2.35E-05
4002	474863.09	3854377.25	5.01E-05	4.87E-10	4.18E-07	3.95E-07	5.09E-05	2.38E-05	2.15E-04	3.14E-05	1.45E-05	2.84E-04	2.27E-05	4.02E-10	4.18E-07	3.95E-07	2.35E-05
4003	475363.09	3854377.25	4.52E-05	4.38E-10	4.10E-07	4.06E-07	4.60E-05	2.15E-05	1.93E-04	3.07E-05	1.49E-05	2.60E-04	2.04E-05	3.62E-10	4.10E-07	4.06E-07	2.13E-05
4004	475863.09	3854377.25	3.20E-05	3.57E-10	3.73E-07	4.02E-07	3.28E-05	1.52E-05	1.57E-04	2.79E-05	1.47E-05	2.15E-04	1.45E-05	2.95E-10	3.73E-07	4.02E-07	1.52E-05
4005	476363.09	3854377.25	2.90E-05	3.44E-10	3.73E-07	4.14E-07	2.98E-05	1.38E-05	1.52E-04	2.79E-05	1.52E-05	2.08E-04	1.31E-05	2.84E-10	3.73E-07	4.14E-07	1.39E-05
4006	476863.09	3854377.25	2.83E-05	3.45E-10	3.73E-07	4.29E-07	2.91E-05	1.35E-05	1.52E-04	2.80E-05	1.57E-05	2.09E-04	1.28E-05	2.85E-10	3.73E-07	4.29E-07	1.36E-05
4007	477363.09	3854377.25	2.84E-05	3.50E-10	3.73E-07	4.43E-07	2.92E-05	1.35E-05	1.54E-04	2.79E-05	1.63E-05	2.12E-04	1.29E-05	2.89E-10	3.73E-07	4.43E-07	1.37E-05
4008	477863.09	3854377.25	2.94E-05	3.58E-10	3.67E-07	4.62E-07	3.02E-05	1.40E-05	1.58E-04	2.76E-05	1.69E-05	2.16E-04	1.33E-05	2.96E-10	3.67E-07	4.62E-07	1.41E-05
4009	478363.09	3854377.25	3.49E-05	3.96E-10	3.66E-07	4.82E-07	3.58E-05	1.66E-05	1.75E-04	2.74E-05	1.77E-05	2.36E-04	1.58E-05	3.27E-10	3.66E-07	4.82E-07	1.66E-05
4010	478863.09	3854377.25	3.87E-05	4.26E-10	3.61E-07	5.05E-07	3.95E-05	1.84E-05	1.87E-04	2.70E-05	1.85E-05	2.51E-04	1.75E-05	3.52E-10	3.61E-07	5.05E-07	1.84E-05
4011	479363.09	3854377.25	6.06E-05	5.61E-10	3.89E-07	5.40E-07	6.15E-05	2.88E-05	2.47E-04	2.91E-05	1.98E-05	3.25E-04	2.74E-05	4.64E-10	3.89E-07	5.40E-07	2.83E-05
4012	479863.09	3854377.25	8.06E-05	6.75E-10	3.84E-07	5.76E-07	8.16E-05	3.83E-05	2.97E-04	2.88E-05	2.11E-05	3.86E-04	3.65E-05	5.58E-10	3.84E-07	5.76E-07	3.74E-05
4013	480363.09	3854377.25	1.13E-04	8.57E-10	3.66E-07	6.25E-07	1.14E-04	5.36E-05	3.77E-04	2.74E-05	2.29E-05	4.81E-04	5.10E-05	7.08E-10	3.66E-07	6.25E-07	5.20E-05
4014	480863.09	3854377.25	1.67E-04	1.18E-09	3.29E-07	6.86E-07	1.68E-04	7.95E-05	5.19E-04	2.47E-05	2.52E-05	6.49E-04	7.57E-05	9.74E-10	3.29E-07	6.86E-07	7.67E-05
4015	481363.09	3854377.25	2.13E-04	1.62E-09	3.05E-07	7.72E-07	2.14E-04	1.01E-04	7.15E-04	2.29E-05	2.83E-05	8.68E-04	9.64E-05	1.34E-09	3.05E-07	7.72E-07	9.75E-05
4016	481863.09	3854377.25	2.43E-04	3.45E-09	3.21E-07	9.21E-07	2.44E-04	1.15E-04	1.52E-03	2.41E-05	3.38E-05	1.69E-03	1.10E-04	2.85E-09	3.21E-07	9.21E-07	1.11E-04
4017	482363.09	3854377.25	2.80E-04	3.96E-09	3.31E-07	1.16E-06	2.82E-04	1.33E-04	1.74E-03	2.48E-05	4.26E-05	1.95E-03	1.27E-04	3.27E-09	3.31E-07	1.16E-06	1.28E-04
4018	482863.09	3854377.25	3.50E-04	3.19E-09	3.34E-07	1.52E-06	3.51E-04	1.66E-04	1.41E-03	2.51E-05	5.59E-05	1.65E-03	1.58E-04	2.64E-09	3.34E-07	1.52E-06	1.60E-04
4019	483363.09	3854377.25	4.24E-04	2.44E-09	3.44E-07	1.57E-06	4.26E-04	2.02E-04	1.08E-03	2.58E-05	5.76E-05	1.36E-03	1.92E-04	2.02E-09	3.44E-07	1.57E-06	1.94E-04
4020	483863.09	3854377.25	5.10E-04	1.83E-09	3.51E-07	2.16E-06	5.13E-04	2.43E-04	8.08E-04	2.63E-05	7.91E-05	1.16E-03	2.31E-04	1.51E-09	3.51E-07	2.16E-06	2.33E-04
4021	484363.09	3854377.25	3.60E-04	1.57E-09	3.71E-07	2.27E-06	3.63E-04	1.71E-04	6.93E-04	2.78E-05	8.34E-05	9.75E-04	1.63E-04	1.30E-09	3.71E-07	2.27E-06	1.66E-04
4022	484863.09	3854377.25	1.90E-04	1.42E-09	5.45E-07	1.99E-06	1.93E-04	9.03E-05	6.24E-04	4.09E-05	7.28E-05	8.28E-04	8.60E-05	1.17E-09	5.45E-07	1.99E-06	8.85E-05

4023	485363.09	3854377.25	2.27E-04	1.74E-09	5.36E-07	1.87E-06	2.29E-04	1.08E-04	7.67E-04	4.02E-05	6.85E-05	9.84E-04	1.03E-04	1.44E-09	5.36E-07	1.87E-06	1.05E-04
4024	485863.09	3854377.25	1.99E-04	1.62E-09	6.82E-07	1.85E-06	2.01E-04	9.44E-05	7.15E-04	5.12E-05	6.80E-05	9.29E-04	8.98E-05	1.34E-09	6.82E-07	1.85E-06	9.24E-05
4025	486363.09	3854377.25	2.74E-04	1.78E-09	6.40E-07	1.83E-06	2.77E-04	1.30E-04	7.82E-04	4.80E-05	6.70E-05	1.03E-03	1.24E-04	1.47E-09	6.40E-07	1.83E-06	1.26E-04
4026	486863.09	3854377.25	3.15E-04	1.78E-09	8.23E-07	1.89E-06	3.17E-04	1.50E-04	7.84E-04	6.17E-05	6.94E-05	1.07E-03	1.42E-04	1.47E-09	8.23E-07	1.89E-06	1.45E-04
4027	487363.09	3854377.25	3.84E-04	1.91E-09	1.01E-06	1.92E-06	3.87E-04	1.83E-04	8.42E-04	7.56E-05	7.06E-05	1.17E-03	1.74E-04	1.58E-09	1.01E-06	1.92E-06	1.77E-04
4028	487863.09	3854377.25	4.67E-04	2.09E-09	5.77E-07	1.93E-06	4.69E-04	2.22E-04	9.21E-04	4.32E-05	7.07E-05	1.26E-03	2.11E-04	1.73E-09	5.77E-07	1.93E-06	2.14E-04
4029	488363.09	3854377.25	5.20E-04	2.21E-09	5.70E-07	1.93E-06	5.22E-04	2.47E-04	9.74E-04	4.27E-05	7.09E-05	1.33E-03	2.35E-04	1.83E-09	5.70E-07	1.93E-06	2.38E-04
4030	488863.09	3854377.25	5.55E-04	2.30E-09	6.68E-07	1.90E-06	5.57E-04	2.64E-04	1.01E-03	5.01E-05	6.98E-05	1.40E-03	2.51E-04	1.90E-09	6.68E-07	1.90E-06	2.54E-04
4031	489363.09	3854377.25	5.67E-04	2.36E-09	9.03E-07	1.85E-06	5.70E-04	2.69E-04	1.04E-03	6.77E-05	6.79E-05	1.44E-03	2.56E-04	1.95E-09	9.03E-07	1.85E-06	2.59E-04
4032	489863.09	3854377.25	5.62E-04	2.39E-09	1.12E-06	1.81E-06	5.65E-04	2.67E-04	1.05E-03	8.41E-05	6.63E-05	1.47E-03	2.54E-04	1.98E-09	1.12E-06	1.81E-06	2.57E-04
4033	490363.09	3854377.25	5.46E-04	2.37E-09	8.65E-07	1.77E-06	5.48E-04	2.59E-04	1.04E-03	6.49E-05	6.50E-05	1.43E-03	2.47E-04	1.95E-09	8.65E-07	1.77E-06	2.50E-04
4034	490863.09	3854377.25	4.53E-04	2.05E-09	8.06E-07	1.69E-06	4.55E-04	2.15E-04	9.02E-04	6.05E-05	6.21E-05	1.24E-03	2.05E-04	1.69E-09	8.06E-07	1.69E-06	2.07E-04
4035	491363.09	3854377.25	4.90E-04	2.23E-09	1.31E-06	1.69E-06	4.93E-04	2.33E-04	9.83E-04	9.86E-05	6.20E-05	1.38E-03	2.22E-04	1.84E-09	1.31E-06	1.69E-06	2.25E-04
4036	491863.09	3854377.25	5.08E-04	2.39E-09	1.68E-06	1.68E-06	5.12E-04	2.42E-04	1.05E-03	1.26E-04	6.15E-05	1.48E-03	2.30E-04	1.97E-09	1.68E-06	1.68E-06	2.33E-04
4037	492363.09	3854377.25	5.02E-04	2.47E-09	1.70E-06	1.66E-06	5.05E-04	2.38E-04	1.09E-03	1.27E-04	6.09E-05	1.51E-03	2.27E-04	2.04E-09	1.70E-06	1.66E-06	2.30E-04
4038	492863.09	3854377.25	4.77E-04	2.45E-09	1.54E-06	1.65E-06	4.80E-04	2.27E-04	1.08E-03	1.15E-04	6.04E-05	1.48E-03	2.16E-04	2.02E-09	1.54E-06	1.65E-06	2.19E-04
4039	493363.09	3854377.25	4.44E-04	2.37E-09	1.73E-06	1.63E-06	4.47E-04	2.11E-04	1.04E-03	1.30E-04	5.97E-05	1.44E-03	2.01E-04	1.96E-09	1.73E-06	1.63E-06	2.04E-04
4040	493863.09	3854377.25	4.11E-04	2.28E-09	2.10E-06	1.60E-06	4.14E-04	1.95E-04	1.00E-03	1.57E-04	5.88E-05	1.41E-03	1.86E-04	1.88E-09	2.10E-06	1.60E-06	1.90E-04
4041	494363.09	3854377.25	3.80E-04	2.19E-09	2.25E-06	1.57E-06	3.84E-04	1.81E-04	9.65E-04	1.69E-04	5.75E-05	1.37E-03	1.72E-04	1.81E-09	2.25E-06	1.57E-06	1.76E-04
4042	494863.09	3854377.25	3.07E-04	1.87E-09	2.08E-06	1.46E-06	3.11E-04	1.46E-04	8.23E-04	1.56E-04	5.36E-05	1.18E-03	1.39E-04	1.54E-09	2.08E-06	1.46E-06	1.43E-04
4043	495363.09	3854377.25	2.40E-04	1.59E-09	1.99E-06	1.38E-06	2.44E-04	1.14E-04	6.99E-04	1.49E-04	5.05E-05	1.01E-03	1.09E-04	1.31E-09	1.99E-06	1.38E-06	1.12E-04
4044	495863.09	3854377.25	2.00E-04	1.42E-09	2.05E-06	1.33E-06	2.03E-04	9.51E-05	6.27E-04	1.54E-04	4.86E-05	9.24E-04	9.05E-05	1.18E-09	2.05E-06	1.33E-06	9.38E-05
4045	496363.09	3854377.25	1.80E-04	1.35E-09	2.13E-06	1.30E-06	1.83E-04	8.54E-05	5.97E-04	1.60E-04	4.75E-05	8.89E-04	8.13E-05	1.12E-09	2.13E-06	1.30E-06	8.47E-05
4046	496863.09	3854377.25	1.55E-04	1.25E-09	2.14E-06	1.26E-06	1.59E-04	7.39E-05	5.52E-04	1.61E-04	4.63E-05	8.33E-04	7.03E-05	1.04E-09	2.14E-06	1.26E-06	7.37E-05
4047	497363.09	3854377.25	1.22E-04	1.08E-09	2.14E-06	1.21E-06	1.25E-04	5.80E-05	4.75E-04	1.60E-04	4.44E-05	7.37E-04	5.52E-05	8.90E-10	2.14E-06	1.21E-06	5.85E-05
4048	497863.09	3854377.25	1.23E-04	1.11E-09	2.18E-06	1.21E-06	1.27E-04	5.86E-05	4.91E-04	1.63E-04	4.44E-05	7.57E-04	5.58E-05	9.20E-10	2.18E-06	1.21E-06	5.92E-05
4049	498363.09	3854377.25	1.06E-04	1.01E-09	2.14E-06	1.17E-06	1.09E-04	5.02E-05	4.46E-04	1.61E-04	4.28E-05	7.00E-04	4.77E-05	8.37E-10	2.14E-06	1.17E-06	5.11E-05
4050	471363.09	3854877.25	3.27E-05	3.89E-10	3.01E-07	3.02E-07	3.33E-05	1.55E-05	1.71E-04	2.26E-05	1.11E-05	2.21E-04	1.48E-05	3.21E-10	3.01E-07	3.02E-07	1.54E-05
4051	471863.09	3854877.25	3.51E-05	4.16E-10	3.17E-07	3.14E-07	3.57E-05	1.67E-05	1.83E-04	2.38E-05	1.15E-05	2.35E-04	1.59E-05	3.43E-10	3.17E-07	3.14E-07	1.65E-05
4052	472363.09	3854877.25	3.73E-05	4.38E-10	3.34E-07	3.26E-07	3.80E-05	1.77E-05	1.93E-04	2.51E-05	1.20E-05	2.48E-04	1.69E-05	3.62E-10	3.34E-07	3.26E-07	1.75E-05
4053	472863.09	3854877.25	3.86E-05	4.48E-10	3.50E-07	3.37E-07	3.93E-05	1.84E-05	1.97E-04	2.62E-05	1.23E-05	2.54E-04	1.75E-05	3.70E-10	3.50E-07	3.37E-07	1.81E-05
4054	473363.09	3854877.25	4.20E-05	4.85E-10	3.75E-07	3.52E-07	4.27E-05	2.00E-05	2.14E-04	2.81E-05	1.29E-05	2.75E-04	1.90E-05	4.01E-10	3.75E-07	3.52E-07	1.97E-05
4055	473863.09	3854877.25	4.54E-05	5.19E-10	4.02E-07	3.69E-07	4.62E-05	2.16E-05	2.28E-04	3.02E-05	1.35E-05	2.94E-04	2.06E-05	4.28E-10	4.02E-07	3.69E-07	2.13E-05
4056	474363.09	3854877.25	5.00E-05	5.65E-10	4.35E-07	3.88E-07	5.08E-05	2.38E-05	2.49E-04	3.26E-05	1.42E-05	3.19E-04	2.26E-05	4.67E-10	4.35E-07	3.88E-07	2.34E-05
4057	474863.09	3854877.25	4.50E-05	4.81E-10	4.51E-07	3.96E-07	4.59E-05	2.14E-05	2.12E-04	3.38E-05	1.45E-05	2.82E-04	2.04E-05	3.98E-10	4.51E-07	3.96E-07	2.12E-05
4058	475363.09	3854877.25	3.67E-05	4.10E-10	4.16E-07	3.94E-07	3.75E-05	1.75E-05	1.80E-04	3.12E-05	1.44E-05	2.44E-04	1.66E-05	3.39E-10	4.16E-07	3.94E-07	1.74E-05
4059	475863.09	3854877.25	2.83E-05	3.53E-10	3.90E-07	4.03E-07	2.91E-05	1.34E-05	1.56E-04	2.92E-05	1.48E-05	2.13E-04	1.28E-05	2.92E-10	3.90E-07	4.03E-07	1.36E-05
4060	476363.09	3854877.25	1.89E-05	2.84E-10	3.88E-07	4.14E-07	1.97E-05	8.99E-06	1.25E-04	2.91E-05	1.52E-05	1.78E-04	8.55E-06	2.35E-10	3.88E-07	4.14E-07	9.36E-06
4061	476863.09	3854877.25	1.91E-05	2.87E-10	3.97E-07	4.31E-07	1.99E-05	9.06E-06	1.26E-04	2.98E-05	1.58E-05	1.81E-04	8.62E-06	2.37E-10	3.97E-07	4.31E-07	9.45E-06
4062	477363.09	3854877.25	2.33E-05	3.28E-10	4.09E-07	4.59E-07	2.42E-05	1.11E-05	1.45E-04	3.07E-05	1.68E-05	2.03E-04	1.05E-05	2.71E-10	4.09E-07	4.59E-07	1.14E-05
4063	477863.09	3854877.25	2.75E-05	3.68E-10	4.17E-07	4.86E-07	2.84E-05	1.31E-05	1.62E-04	3.13E-05	1.78E-05	2.24E-04	1.24E-05	3.04E-10	4.17E-07	4.86E-07	1.33E-05
4064	478363.09	3854877.25	3.73E-05	4.48E-10	4.29E-07	5.18E-07	3.82E-05	1.77E-05	1.98E-04	3.22E-05	1.90E-05	2.66E-04	1.69E-05	3.70E-10	4.29E-07	5.18E-07	1.78E-05
4065	478863.09	3854877.25	5.31E-05	5.59E-10	4.54E-07	5.57E-07	5.41E-05	2.52E-05	2.46E-04	3.41E-05	2.04E-05	3.26E-04	2.40E-05	4.62E-10	4.54E-07	5.57E-07	2.50E-05
4066	479363.09	3854877.25	7.86E-05	7.07E-10	4.94E-07	6.06E-07	7.97E-05	3.74E-05	3.11E-04	3.71E-05	2.22E-05	4.08E-04	3.56E-05	5.84E-10	4.94E-07	6.06E-07	3.67E-05
4067	479863.09	3854877.25	1.15E-04	9.02E-10	5.42E-07	6.73E-07	1.16E-04	5.45E-05	3.97E-04	4.06E-05	2.47E-05	5.17E-04	5.19E-05	7.45E-10	5.42E-07	6.73E-07	5.31E-05
4068	480363.09	3854877.25	1.53E-04	1.13E-09	5.47E-07	7.47E-07	1.54E-04	7.25E-05	4.99E-04	4.10E-05	2.74E-05	6.40E-04	6.90E-05	9.35E-10	5.47E-07	7.47E-07	7.03E-05
4069	480863.09	3854877.25	2.11E-04	1.59E-09	5.09E-07	8.19E-07	2.13E-04	1.00E-04	7.02E-04	3.81E-05	3.00E-05	8.71E-04	9.56E-05	1.32E-09	5.09E-07	8.19E-07	9.69E-05
4070	481363.09	3854877.25	2.57E-04	2.04E-09	4.44E-07	9.09E-07	2.58E-04	1.22E-04	8.97E-04	3.33E-05	3.33E-05	1.09E-03	1.16E-04	1.68E-09	4.44E-07	9.09E-07	1.18E-04
4071	481863.09	3854877.25	2.85E-04	2.16E-09	3.82E-07	1.13E-06	2.87E-04	1.36E-04	9.52E-04	2.86E-05	4.15E-05	1.16E-03	1.29E-04	1.79E-09	3.82E-07	1.13E-06	1.31E-04
4072	482363.09	3854877.25	3.61E-04	7.02E-09	3.76E-07	1.88E-06	3.63E-04	1.71E-04	3.09E-03	2.82E-05	6.90E-05	3.36E-03	1.63E-04	5.80E-09	3.76E-07	1.88E-06	1.65E-04
4073	482863.09	3854877.25	4.62E-04	9.53E-09	3.66E-07	5.35E-06	4.68E-04	2.20E-04	4.20E-03	2.74E-05	1.96E-04	4.64E-03	2.09E-04	7.87E-09	3.66E-07	5.35E-06	2.15E-04
4074	483363.09	3854877.25	6.20E-04	8.52E-09	3.74E-07	1.62E-05	6.36E-04	2.95E-04	3.75E-03	2.81E-05	5.94E-04	4.67E-03	2.80E-04	7.03E-09	3.74E-07	1.62E-05	2.97E-04
4075	483863.09	3854877.25	9.30E-04	6.85E-09	3.85E-07	7.82E-06	9.39E-04	4.42E-04	3.01E-03	2.89E-05	2.87E-04	3.77E-03	4.21E-04	5.65E-09	3.85E-07	7.82E-06	4.29E-04
4076	484363.09	3854877.25	1.13E-03	5.01E-09	4.00E-07	3.99E-06	1.14E-03	5.38E-04	2.21E-03	3.00E-05	1.46E-04	2.92E-03	5.12E-04	4.14E-09	4.00E-07	3.99E-06	5.16E-04
4077	484863.09	3854877.25	9.44E-04	4.35E-09	4.24E-07	2.83E-06	9.48E-04	4.49E-04	1.92E-03	3.18E-05	1.04E-04	2.50E-03	4.27E-04	3.59E-09	4.24E-07	2.83E-06	4.30E-04
4078	485363.09	3854877.25	1.12E-03	3.94E-09	6.11E-07	2.69E-06	1.13E-03	5.35E-04	1.73E-03	4.58E-05	9.86E-05	2.41E-03	5.09E-04	3.25E-09	6.11E-07	2.69E-06	5.12E-04
4079	485863.09	3854877.25	1.15E-03	3.59E-09	6.07E-07	2.65E-06	1.15E-03	5.45E-04	1.58E-03	4.55E-05	9.71E-05	2.27E-03	5.19E-04	2.96E-09	6.07E-07	2.65E-06	5.22E-04
4080	486363.09	3854877.25	1.07E-03	3.34E-09	8.92E-07	2.73E-06	1.07E-03	5.08E-04	1.47E-03	6.69E-05	1.00E-04	2.14E-03	4.83E-04	2.75E-09	8.92E-07	2.73E-06	4.87E-04
4081	486863.09	3854877.25	1.00E-03	3.20E-09	8.07E-07	2.70E-06	1.01E-03	4.76E-04	1.41E-03	6.05E-05	9.91E-05	2.05E-03	4.53E-04	2.64E-09	8.07E-07	2.70E-06	4.57E-04
4082	487363.09	3854877.25	1.04E-03	3.32E-09	1.23E-06	2.62E-06	1.05E-03	4.95E-04	1.46E-03	9.22E-05	9.61E-05	2.15E-03	4.71E-04	2.75E-09	1.23E-06	2.62E-06	4.75E-04
4083	487863.09	3854877.25	1.06E-03	3.43E-09	7.16E-07	2.48E-06	1.06E-03	5.04E-04	1.51E-03	5.37E-05	9.11E-05	2.16E-03	4.79E-04	2.83E-09	7.16E-07	2.48E-06	4.83E-04

4084	488363.09	3854877.25	1.06E-03	3.52E-09	6.69E-07	2.38E-06	1.07E-03	5.05E-04	1.55E-03	5.02E-05	8.72E-05	2.19E-03	4.80E-04	2.91E-09	6.69E-07	2.38E-06	4.83E-04
4085	488863.09	3854877.25	1.05E-03	3.64E-09	8.05E-07	2.30E-06	1.06E-03	5.01E-04	1.60E-03	6.03E-05	8.44E-05	2.25E-03	4.77E-04	3.00E-09	8.05E-07	2.30E-06	4.80E-04
4086	489363.09	3854877.25	1.00E-03	3.65E-09	1.08E-06	2.22E-06	1.00E-03	4.76E-04	1.61E-03	8.13E-05	8.15E-05	2.25E-03	4.53E-04	3.01E-09	1.08E-06	2.22E-06	4.56E-04
4087	489863.09	3854877.25	9.09E-04	3.45E-09	1.27E-06	2.13E-06	9.12E-04	4.32E-04	1.52E-03	9.52E-05	7.81E-05	2.12E-03	4.11E-04	2.85E-09	1.27E-06	2.13E-06	4.14E-04
4088	490363.09	3854877.25	6.81E-04	2.74E-09	8.73E-07	1.98E-06	6.84E-04	3.24E-04	1.21E-03	6.54E-05	7.27E-05	1.67E-03	3.08E-04	2.26E-09	8.73E-07	1.98E-06	3.11E-04
4089	490863.09	3854877.25	4.77E-04	2.16E-09	1.16E-06	1.76E-06	4.80E-04	2.27E-04	9.50E-04	8.71E-05	6.47E-05	1.33E-03	2.16E-04	1.78E-09	1.16E-06	1.76E-06	2.19E-04
4090	491363.09	3854877.25	5.05E-04	2.30E-09	1.62E-06	1.76E-06	5.08E-04	2.40E-04	1.01E-03	1.22E-04	6.46E-05	1.44E-03	2.28E-04	1.90E-09	1.62E-06	1.76E-06	2.32E-04
4091	491863.09	3854877.25	6.95E-04	3.21E-09	1.97E-06	1.90E-06	6.99E-04	3.30E-04	1.41E-03	1.48E-04	6.98E-05	1.96E-03	3.14E-04	2.65E-09	1.97E-06	1.90E-06	3.18E-04
4092	492363.09	3854877.25	6.63E-04	3.28E-09	1.88E-06	1.88E-06	6.66E-04	3.15E-04	1.44E-03	1.41E-04	6.90E-05	1.97E-03	3.00E-04	2.71E-09	1.88E-06	1.88E-06	3.04E-04
4093	492863.09	3854877.25	6.08E-04	3.16E-09	2.40E-06	1.86E-06	6.12E-04	2.89E-04	1.39E-03	1.80E-04	6.82E-05	1.93E-03	2.75E-04	2.61E-09	2.40E-06	1.86E-06	2.79E-04
4094	493363.09	3854877.25	5.49E-04	2.97E-09	2.83E-06	1.82E-06	5.54E-04	2.61E-04	1.31E-03	2.12E-04	6.68E-05	1.85E-03	2.48E-04	2.45E-09	2.83E-06	1.82E-06	2.53E-04
4095	493863.09	3854877.25	5.00E-04	2.82E-09	2.93E-06	1.77E-06	5.05E-04	2.38E-04	1.24E-03	2.20E-04	6.49E-05	1.77E-03	2.26E-04	2.33E-09	2.93E-06	1.77E-06	2.31E-04
4096	494363.09	3854877.25	3.83E-04	2.27E-09	2.80E-06	1.61E-06	3.87E-04	1.82E-04	9.98E-04	2.10E-04	5.92E-05	1.45E-03	1.73E-04	1.87E-09	2.80E-06	1.61E-06	1.78E-04
4097	494863.09	3854877.25	2.74E-04	1.81E-09	2.49E-06	1.46E-06	2.78E-04	1.30E-04	7.96E-04	1.87E-04	5.37E-05	1.17E-03	1.24E-04	1.49E-09	2.49E-06	1.46E-06	1.28E-04
4098	495363.09	3854877.25	2.14E-04	1.56E-09	2.49E-06	1.39E-06	2.18E-04	1.02E-04	6.86E-04	1.86E-04	5.10E-05	1.03E-03	9.69E-05	1.29E-09	2.49E-06	1.39E-06	1.01E-04
4099	495863.09	3854877.25	1.82E-04	1.43E-09	2.49E-06	1.35E-06	1.85E-04	8.64E-05	6.28E-04	1.87E-04	4.95E-05	9.51E-04	8.22E-05	1.18E-09	2.49E-06	1.35E-06	8.60E-05
4100	496363.09	3854877.25	1.44E-04	1.24E-09	2.48E-06	1.29E-06	1.48E-04	6.85E-05	5.46E-04	1.86E-04	4.75E-05	8.48E-04	6.52E-05	1.02E-09	2.48E-06	1.29E-06	6.90E-05
4101	496863.09	3854877.25	1.22E-04	1.13E-09	2.42E-06	1.25E-06	1.26E-04	5.82E-05	4.96E-04	1.82E-04	4.58E-05	7.81E-04	5.53E-05	9.30E-10	2.42E-06	1.25E-06	5.90E-05
4102	497363.09	3854877.25	1.14E-04	1.10E-09	2.40E-06	1.23E-06	1.18E-04	5.42E-05	4.83E-04	1.80E-04	4.49E-05	7.61E-04	5.15E-05	9.05E-10	2.40E-06	1.23E-06	5.52E-05
4103	497863.09	3854877.25	1.21E-04	1.18E-09	2.49E-06	1.24E-06	1.25E-04	5.77E-05	5.18E-04	1.87E-04	4.54E-05	8.09E-04	5.49E-05	9.72E-10	2.49E-06	1.24E-06	5.86E-05
4104	498363.09	3854877.25	1.16E-04	1.16E-09	2.49E-06	1.22E-06	1.20E-04	5.51E-05	5.12E-04	1.87E-04	4.48E-05	7.99E-04	5.25E-05	9.60E-10	2.49E-06	1.22E-06	5.62E-05
4105	471363.09	3855377.25	3.36E-05	4.08E-10	3.02E-07	3.02E-07	3.42E-05	1.60E-05	1.80E-04	2.26E-05	1.11E-05	2.30E-04	1.52E-05	3.37E-10	3.02E-07	3.02E-07	1.58E-05
4106	471863.09	3855377.25	3.53E-05	4.23E-10	3.13E-07	3.13E-07	3.59E-05	1.68E-05	1.86E-04	2.35E-05	1.15E-05	2.38E-04	1.60E-05	3.50E-10	3.13E-07	3.13E-07	1.66E-05
4107	472363.09	3855377.25	3.81E-05	4.54E-10	3.30E-07	3.25E-07	3.87E-05	1.81E-05	2.00E-04	2.47E-05	1.19E-05	2.55E-04	1.72E-05	3.75E-10	3.30E-07	3.25E-07	1.79E-05
4108	472863.09	3855377.25	4.00E-05	4.69E-10	3.40E-07	3.38E-07	4.07E-05	1.90E-05	2.06E-04	2.55E-05	1.24E-05	2.63E-04	1.81E-05	3.87E-10	3.40E-07	3.38E-07	1.88E-05
4109	473363.09	3855377.25	4.39E-05	5.14E-10	3.61E-07	3.54E-07	4.46E-05	2.09E-05	2.26E-04	2.71E-05	1.30E-05	2.87E-04	1.98E-05	4.24E-10	3.61E-07	3.54E-07	2.06E-05
4110	473863.09	3855377.25	4.74E-05	5.51E-10	3.78E-07	3.70E-07	4.82E-05	2.26E-05	2.43E-04	2.84E-05	1.36E-05	3.07E-04	2.15E-05	4.55E-10	3.78E-07	3.70E-07	2.22E-05
4111	474363.09	3855377.25	5.11E-05	5.83E-10	4.44E-07	4.03E-07	5.19E-05	2.43E-05	2.57E-04	3.33E-05	1.48E-05	3.29E-04	2.31E-05	4.81E-10	4.44E-07	4.03E-07	2.39E-05
4112	474863.09	3855377.25	4.63E-05	5.06E-10	4.18E-07	3.97E-07	4.72E-05	2.20E-05	2.23E-04	3.14E-05	1.46E-05	2.91E-04	2.10E-05	4.18E-10	4.18E-07	3.97E-07	2.18E-05
4113	475363.09	3855377.25	2.39E-05	3.30E-10	3.55E-07	3.80E-07	2.46E-05	1.13E-05	1.45E-04	2.67E-05	1.39E-05	1.97E-04	1.08E-05	2.72E-10	3.55E-07	3.80E-07	1.15E-05
4114	475863.09	3855377.25	1.82E-05	2.89E-10	3.60E-07	3.91E-07	1.90E-05	8.67E-06	1.27E-04	2.70E-05	1.43E-05	1.77E-04	8.25E-06	2.39E-10	3.60E-07	3.91E-07	9.00E-06
4115	476363.09	3855377.25	2.17E-05	3.24E-10	3.82E-07	4.12E-07	2.25E-05	1.03E-05	1.43E-04	2.86E-05	1.51E-05	1.97E-04	9.82E-06	2.68E-10	3.82E-07	4.12E-07	1.06E-05
4116	476863.09	3855377.25	2.17E-05	3.28E-10	4.01E-07	4.31E-07	2.25E-05	1.03E-05	1.44E-04	3.01E-05	1.58E-05	2.00E-04	9.80E-06	2.71E-10	4.01E-07	4.31E-07	1.06E-05
4117	477363.09	3855377.25	2.44E-05	3.56E-10	4.22E-07	4.56E-07	2.53E-05	1.16E-05	1.57E-04	3.16E-05	1.67E-05	2.17E-04	1.10E-05	2.94E-10	4.22E-07	4.56E-07	1.19E-05
4118	477863.09	3855377.25	3.21E-05	4.21E-10	4.54E-07	4.89E-07	3.30E-05	1.52E-05	1.86E-04	3.41E-05	1.79E-05	2.53E-04	1.45E-05	3.48E-10	4.54E-07	4.89E-07	1.55E-05
4119	478363.09	3855377.25	4.22E-05	5.04E-10	4.77E-07	5.25E-07	4.32E-05	2.01E-05	2.22E-04	3.58E-05	1.93E-05	2.97E-04	1.91E-05	4.16E-10	4.77E-07	5.25E-07	2.01E-05
4120	478863.09	3855377.25	5.46E-05	5.99E-10	5.02E-07	5.72E-07	5.56E-05	2.59E-05	2.64E-04	3.76E-05	2.10E-05	3.48E-04	2.47E-05	4.94E-10	5.02E-07	5.72E-07	2.58E-05
4121	479363.09	3855377.25	7.62E-05	7.48E-10	5.33E-07	6.39E-07	7.74E-05	3.62E-05	3.29E-04	4.00E-05	2.34E-05	4.29E-04	3.45E-05	6.18E-10	5.33E-07	6.39E-07	3.57E-05
4122	479863.09	3855377.25	1.02E-04	9.19E-10	5.61E-07	7.16E-07	1.03E-04	4.83E-05	4.05E-04	4.21E-05	2.62E-05	5.21E-04	4.60E-05	7.59E-10	5.61E-07	7.16E-07	4.73E-05
4123	480363.09	3855377.25	1.55E-04	1.24E-09	6.04E-07	8.31E-07	1.57E-04	7.37E-05	5.47E-04	4.53E-05	3.05E-05	6.97E-04	7.02E-05	1.03E-09	6.04E-07	8.31E-07	7.16E-05
4124	480863.09	3855377.25	2.23E-04	1.88E-09	6.30E-07	9.38E-07	2.25E-04	1.06E-04	8.27E-04	4.73E-05	3.44E-05	1.01E-03	1.01E-04	1.55E-09	6.30E-07	9.38E-07	1.03E-04
4125	481363.09	3855377.25	2.87E-04	3.12E-09	6.22E-07	1.10E-06	2.89E-04	1.37E-04	1.37E-03	4.66E-05	4.02E-05	1.60E-03	1.30E-04	2.57E-09	6.22E-07	1.10E-06	1.32E-04
4126	481863.09	3855377.25	3.47E-04	5.34E-09	5.91E-07	1.34E-06	3.49E-04	1.65E-04	2.35E-03	4.43E-05	4.90E-05	2.61E-03	1.57E-04	4.41E-09	5.91E-07	1.34E-06	1.59E-04
4127	482363.09	3855377.25	4.09E-04	1.14E-08	5.49E-07	1.62E-06	4.11E-04	1.94E-04	5.02E-03	4.11E-05	5.95E-05	5.31E-03	1.85E-04	9.41E-09	5.49E-07	1.62E-06	1.87E-04
4128	482863.09	3855377.25	5.27E-04	4.95E-08	4.78E-07	2.48E-06	5.30E-04	2.51E-04	2.18E-02	3.58E-05	9.10E-05	2.22E-02	2.38E-04	4.08E-08	4.78E-07	2.48E-06	2.41E-04
4129	483363.09	3855377.25	7.18E-04	6.66E-08	4.35E-07	2.94E-06	7.22E-04	3.41E-04	2.93E-02	3.26E-05	1.08E-04	2.98E-02	3.25E-04	5.50E-08	4.35E-07	2.94E-06	3.28E-04
4130	483863.09	3855377.25	1.20E-03	2.90E-08	4.32E-07	3.36E-06	1.20E-03	5.69E-04	1.28E-02	3.24E-05	1.23E-04	1.35E-02	5.42E-04	2.39E-08	4.32E-07	3.36E-06	5.46E-04
4131	484363.09	3855377.25	3.48E-03	1.40E-08	4.41E-07	3.26E-06	3.48E-03	1.65E-03	6.19E-03	3.31E-05	1.20E-04	7.99E-03	1.57E-03	1.16E-08	4.41E-07	3.26E-06	1.58E-03
4132	484863.09	3855377.25	3.43E-02	1.09E-08	4.66E-07	3.82E-06	3.44E-02	1.63E-02	4.78E-03	3.50E-05	1.40E-04	2.13E-02	1.55E-02	8.96E-09	4.66E-07	3.82E-06	1.55E-02
4133	485363.09	3855377.25	1.26E-02	8.48E-09	4.92E-07	4.32E-06	1.26E-02	5.97E-03	3.74E-03	3.69E-05	1.58E-04	9.90E-03	5.68E-03	7.01E-09	4.92E-07	4.32E-06	5.69E-03
4134	485863.09	3855377.25	5.99E-03	7.31E-09	6.46E-07	4.35E-06	5.99E-03	2.85E-03	3.22E-03	4.85E-05	1.60E-04	6.27E-03	2.71E-03	6.04E-09	6.46E-07	4.35E-06	2.71E-03
4135	486363.09	3855377.25	3.63E-03	6.21E-09	7.71E-07	4.09E-06	3.63E-03	1.72E-03	2.73E-03	5.79E-05	1.50E-04	4.66E-03	1.64E-03	5.12E-09	7.71E-07	4.09E-06	1.64E-03
4136	486863.09	3855377.25	2.58E-03	5.50E-09	8.87E-07	3.81E-06	2.58E-03	1.22E-03	2.42E-03	6.65E-05	1.40E-04	3.85E-03	1.17E-03	4.54E-09	8.87E-07	3.81E-06	1.17E-03
4137	487363.09	3855377.25	2.32E-03	5.54E-09	1.36E-06	3.52E-06	2.32E-03	1.10E-03	2.44E-03	1.02E-04	1.29E-04	3.77E-03	1.05E-03	4.57E-09	1.36E-06	3.52E-06	1.05E-03
4138	487863.09	3855377.25	2.09E-03	5.53E-09	8.98E-07	3.20E-06	2.09E-03	9.93E-04	2.44E-03	6.74E-05	1.17E-04	3.61E-03	9.45E-04	4.57E-09	8.98E-07	3.20E-06	9.49E-04
4139	488363.09	3855377.25	1.89E-03	5.53E-09	8.04E-07	2.93E-06	1.89E-03	8.99E-04	2.43E-03	6.03E-05	1.07E-04	3.50E-03	8.56E-04	4.57E-09	8.04E-07	2.93E-06	8.59E-04
4140	488863.09	3855377.25	1.71E-03	5.48E-09	1.04E-06	2.72E-06	1.71E-03	8.11E-04	2.41E-03	7.78E-05	9.99E-05	3.40E-03	7.72E-04	4.52E-09	1.04E-06	2.72E-06	7.76E-04
4141	489363.09	3855377.25	1.53E-03	5.33E-09	1.26E-06	2.56E-06	1.53E-03	7.28E-04	2.35E-03	9.48E-05	9.40E-05	3.26E-03	6.92E-04	4.40E-09	1.26E-06	2.56E-06	6.96E-04
4142	489863.09	3855377.25	1.35E-03	4.98E-09	1.07E-06	2.45E-06	1.35E-03	6.41E-04	2.19E-03	8.05E-05	8.98E-05	3.00E-03	6.10E-04	4.11E-09	1.07E-06	2.45E-06	6.14E-04
4143	490363.09	3855377.25	1.23E-03	4.93E-09	1.69E-06	2.43E-06	1.23E-03	5.84E-04	2.17E-03	1.26E-04	8.93E-05	2.97E-03	5.56E-04	4.07E-09	1.69E-06	2.43E-06	5.60E-04
4144	490863.09	3855377.25	7.98E-04	3.27E-09	2.26E-06	2.10E-06	8.03E-04	3.80E-04	1.44E-03	1.70E-04	7.70E-05	2.07E-03	3.61E-04	2.70E-09	2.26E-06	2.10E-06	3.66E-04

4145	491363.09	3855377.25	6.48E-04	2.91E-09	1.96E-06	1.90E-06	6.52E-04	3.08E-04	1.28E-03	1.47E-04	6.98E-05	1.81E-03	2.93E-04	2.41E-09	1.96E-06	1.90E-06	2.97E-04
4146	491863.09	3855377.25	8.68E-04	4.16E-09	2.51E-06	2.07E-06	8.73E-04	4.13E-04	1.83E-03	1.88E-04	7.58E-05	2.51E-03	3.93E-04	3.44E-09	2.51E-06	2.07E-06	3.97E-04
4147	492363.09	3855377.25	7.99E-04	4.15E-09	3.21E-06	2.05E-06	8.04E-04	3.80E-04	1.83E-03	2.41E-04	7.52E-05	2.52E-03	3.61E-04	3.43E-09	3.21E-06	2.05E-06	3.67E-04
4148	492863.09	3855377.25	7.16E-04	3.91E-09	3.58E-06	2.02E-06	7.21E-04	3.40E-04	1.72E-03	2.69E-04	7.41E-05	2.40E-03	3.24E-04	3.23E-09	3.58E-06	2.02E-06	3.29E-04
4149	493363.09	3855377.25	6.14E-04	3.45E-09	3.84E-06	1.92E-06	6.20E-04	2.92E-04	1.52E-03	2.88E-04	7.03E-05	2.17E-03	2.78E-04	2.85E-09	3.84E-06	1.92E-06	2.84E-04
4150	493863.09	3855377.25	4.69E-04	2.77E-09	3.82E-06	1.75E-06	4.75E-04	2.23E-04	1.22E-03	2.86E-04	6.41E-05	1.80E-03	2.12E-04	2.29E-09	3.82E-06	1.75E-06	2.18E-04
4151	494363.09	3855377.25	3.37E-04	2.22E-09	3.23E-06	1.57E-06	3.42E-04	1.60E-04	9.77E-04	2.42E-04	5.77E-05	1.44E-03	1.52E-04	1.83E-09	3.23E-06	1.57E-06	1.57E-04
4152	494863.09	3855377.25	2.40E-04	1.79E-09	3.05E-06	1.47E-06	2.44E-04	1.14E-04	7.87E-04	2.29E-04	5.37E-05	1.18E-03	1.08E-04	1.48E-09	3.05E-06	1.47E-06	1.13E-04
4153	495363.09	3855377.25	1.82E-04	1.51E-09	2.97E-06	1.39E-06	1.86E-04	8.63E-05	6.65E-04	2.23E-04	5.11E-05	1.03E-03	8.21E-05	1.25E-09	2.97E-06	1.39E-06	8.65E-05
4154	495863.09	3855377.25	1.45E-04	1.32E-09	2.88E-06	1.34E-06	1.50E-04	6.91E-05	5.81E-04	2.16E-04	4.90E-05	9.14E-04	6.58E-05	1.09E-09	2.88E-06	1.34E-06	7.00E-05
4155	496363.09	3855377.25	1.35E-04	1.28E-09	2.85E-06	1.31E-06	1.39E-04	6.41E-05	5.65E-04	2.14E-04	4.79E-05	8.91E-04	6.10E-05	1.06E-09	2.85E-06	1.31E-06	6.52E-05
4156	496863.09	3855377.25	1.26E-04	1.25E-09	2.81E-06	1.29E-06	1.30E-04	5.99E-05	5.52E-04	2.11E-04	4.73E-05	8.70E-04	5.70E-05	1.04E-09	2.81E-06	1.29E-06	6.11E-05
4157	497363.09	3855377.25	1.24E-04	1.27E-09	2.85E-06	1.28E-06	1.28E-04	5.88E-05	5.57E-04	2.14E-04	4.70E-05	8.77E-04	5.59E-05	1.05E-09	2.85E-06	1.28E-06	6.01E-05
4158	497863.09	3855377.25	1.25E-04	1.31E-09	2.89E-06	1.28E-06	1.30E-04	5.96E-05	5.77E-04	2.16E-04	4.71E-05	9.00E-04	5.68E-05	1.08E-09	2.89E-06	1.28E-06	6.09E-05
4159	498363.09	3855377.25	1.30E-04	1.37E-09	2.92E-06	1.29E-06	1.34E-04	6.19E-05	6.04E-04	2.19E-04	4.73E-05	9.33E-04	5.89E-05	1.13E-09	2.92E-06	1.29E-06	6.31E-05
4160	471363.09	3855877.25	3.33E-05	4.26E-10	2.90E-07	3.05E-07	3.38E-05	1.58E-05	1.88E-04	2.18E-05	1.12E-05	2.36E-04	1.50E-05	3.52E-10	2.90E-07	3.05E-07	1.56E-05
4161	471863.09	3855877.25	3.49E-05	4.42E-10	3.04E-07	3.17E-07	3.55E-05	1.66E-05	1.95E-04	2.28E-05	1.16E-05	2.46E-04	1.58E-05	3.65E-10	3.04E-07	3.17E-07	1.64E-05
4162	472363.09	3855877.25	3.80E-05	4.84E-10	3.31E-07	3.33E-07	3.87E-05	1.81E-05	2.13E-04	2.48E-05	1.22E-05	2.68E-04	1.72E-05	4.00E-10	3.31E-07	3.33E-07	1.79E-05
4163	472863.09	3855877.25	3.94E-05	4.89E-10	3.40E-07	3.44E-07	4.01E-05	1.87E-05	2.15E-04	2.55E-05	1.26E-05	2.72E-04	1.78E-05	4.04E-10	3.40E-07	3.44E-07	1.85E-05
4164	473363.09	3855877.25	4.37E-05	5.48E-10	3.69E-07	3.63E-07	4.44E-05	2.08E-05	2.41E-04	2.77E-05	1.33E-05	3.03E-04	1.98E-05	4.53E-10	3.69E-07	3.63E-07	2.05E-05
4165	473863.09	3855877.25	4.72E-05	5.92E-10	3.89E-07	3.80E-07	4.80E-05	2.25E-05	2.61E-04	2.91E-05	1.39E-05	3.26E-04	2.14E-05	4.89E-10	3.89E-07	3.80E-07	2.21E-05
4166	474363.09	3855877.25	5.04E-05	6.14E-10	4.86E-07	4.13E-07	5.13E-05	2.40E-05	2.71E-04	3.64E-05	1.52E-05	3.46E-04	2.28E-05	5.07E-10	4.86E-07	4.13E-07	2.37E-05
4167	474863.09	3855877.25	4.37E-05	4.94E-10	4.07E-07	3.99E-07	4.45E-05	2.08E-05	2.17E-04	3.05E-05	1.46E-05	2.83E-04	1.98E-05	4.08E-10	4.07E-07	3.99E-07	2.06E-05
4168	475363.09	3855877.25	2.95E-05	3.73E-10	3.25E-07	3.83E-07	3.02E-05	1.40E-05	1.64E-04	2.44E-05	1.41E-05	2.17E-04	1.34E-05	3.08E-10	3.25E-07	3.83E-07	1.41E-05
4169	475863.09	3855877.25	1.38E-05	2.44E-10	3.00E-07	3.74E-07	1.44E-05	6.54E-06	1.07E-04	2.25E-05	1.37E-05	1.50E-04	6.22E-06	2.01E-10	3.00E-07	3.74E-07	6.90E-06
4170	476363.09	3855877.25	1.48E-05	2.61E-10	3.27E-07	3.94E-07	1.55E-05	7.03E-06	1.15E-04	2.45E-05	1.44E-05	1.61E-04	6.69E-06	2.16E-10	3.27E-07	3.94E-07	7.41E-06
4171	476863.09	3855877.25	2.21E-05	3.41E-10	3.67E-07	4.31E-07	2.29E-05	1.05E-05	1.50E-04	2.75E-05	1.58E-05	2.04E-04	9.99E-06	2.82E-10	3.67E-07	4.31E-07	1.08E-05
4172	477363.09	3855877.25	2.73E-05	3.91E-10	4.07E-07	4.57E-07	2.82E-05	1.30E-05	1.72E-04	3.05E-05	1.68E-05	2.33E-04	1.24E-05	3.23E-10	4.07E-07	4.57E-07	1.32E-05
4173	477863.09	3855877.25	3.36E-05	4.51E-10	4.36E-07	4.87E-07	3.45E-05	1.60E-05	1.99E-04	3.27E-05	1.79E-05	2.65E-04	1.52E-05	3.73E-10	4.36E-07	4.87E-07	1.61E-05
4174	478363.09	3855877.25	4.41E-05	5.37E-10	4.77E-07	5.28E-07	4.51E-05	2.10E-05	2.37E-04	3.58E-05	1.94E-05	3.13E-04	2.00E-05	4.44E-10	4.77E-07	5.28E-07	2.10E-05
4175	478863.09	3855877.25	5.87E-05	6.55E-10	5.35E-07	5.79E-07	5.98E-05	2.79E-05	2.89E-04	4.01E-05	2.12E-05	3.78E-04	2.66E-05	5.41E-10	5.35E-07	5.79E-07	2.77E-05
4176	479363.09	3855877.25	8.27E-05	8.22E-10	6.14E-07	6.50E-07	8.39E-05	3.93E-05	3.62E-04	4.61E-05	2.38E-05	4.71E-04	3.74E-05	6.79E-10	6.14E-07	6.50E-07	3.87E-05
4177	479863.09	3855877.25	1.12E-04	1.03E-09	6.91E-07	7.35E-07	1.13E-04	5.33E-05	4.53E-04	5.19E-05	2.69E-05	5.85E-04	5.07E-05	8.50E-10	6.91E-07	7.35E-07	5.21E-05
4178	480363.09	3855877.25	1.58E-04	1.38E-09	7.28E-07	8.46E-07	1.60E-04	7.52E-05	6.09E-04	5.46E-05	3.10E-05	7.69E-04	7.15E-05	1.14E-09	7.28E-07	8.46E-07	7.31E-05
4179	480863.09	3855877.25	2.20E-04	2.00E-09	7.05E-07	9.63E-07	2.21E-04	1.04E-04	8.81E-04	5.29E-05	3.53E-05	1.07E-03	9.94E-05	1.65E-09	7.05E-07	9.63E-07	1.01E-04
4180	481363.09	3855877.25	2.58E-04	2.28E-09	7.10E-07	1.10E-06	2.60E-04	1.23E-04	1.00E-03	5.33E-05	4.03E-05	1.22E-03	1.17E-04	1.88E-09	7.10E-07	1.10E-06	1.19E-04
4181	481863.09	3855877.25	3.54E-04	5.42E-09	7.14E-07	1.27E-06	3.56E-04	1.68E-04	2.38E-03	5.36E-05	4.67E-05	2.65E-03	1.60E-04	4.47E-09	7.14E-07	1.27E-06	1.62E-04
4182	482363.09	3855877.25	4.16E-04	1.22E-08	7.47E-07	1.79E-06	4.18E-04	1.98E-04	5.38E-03	5.60E-05	6.58E-05	5.70E-03	1.88E-04	1.01E-08	7.47E-07	1.79E-06	1.91E-04
4183	482863.09	3855877.25	5.47E-04	2.28E-08	7.26E-07	2.85E-06	5.50E-04	2.60E-04	1.00E-02	5.45E-05	1.04E-04	1.05E-02	2.47E-04	1.88E-08	7.26E-07	2.85E-06	2.51E-04
4184	483363.09	3855877.25	7.53E-04	9.03E-08	6.53E-07	5.14E-06	7.59E-04	3.58E-04	3.98E-02	4.90E-05	1.89E-04	4.04E-02	3.41E-04	7.46E-08	6.53E-07	5.14E-06	3.46E-04
4185	483863.09	3855877.25	1.09E-03	6.46E-08	5.63E-07	6.85E-06	1.09E-03	5.16E-04	2.85E-02	4.22E-05	2.51E-04	2.93E-02	4.91E-04	5.34E-08	5.63E-07	6.85E-06	4.98E-04
4186	484363.09	3855877.25	1.93E-03	3.42E-08	5.20E-07	1.33E-05	1.94E-03	9.17E-04	1.51E-02	3.90E-05	4.89E-04	1.65E-02	8.73E-04	2.83E-08	5.20E-07	1.33E-05	8.87E-04
4187	484863.09	3855877.25	4.20E-03	2.23E-08	5.23E-07	1.28E-05	4.21E-03	1.99E-03	9.83E-03	3.92E-05	4.68E-04	1.23E-02	1.90E-03	1.84E-08	5.23E-07	1.28E-05	1.91E-03
4188	485363.09	3855877.25	3.15E-02	1.73E-08	5.61E-07	9.63E-06	3.15E-02	1.50E-02	7.61E-03	4.21E-05	3.53E-04	2.30E-02	1.42E-02	1.43E-08	5.61E-07	9.63E-06	1.42E-02
4189	485863.09	3855877.25	1.98E-02	1.34E-08	6.00E-07	7.71E-06	1.98E-02	9.43E-03	5.91E-03	4.50E-05	2.83E-04	1.57E-02	8.97E-03	1.11E-08	6.00E-07	7.71E-06	8.98E-03
4190	486363.09	3855877.25	8.05E-03	1.06E-08	7.79E-07	6.29E-06	8.06E-03	3.83E-03	4.68E-03	5.84E-05	2.31E-04	8.80E-03	3.64E-03	8.78E-09	7.79E-07	6.29E-06	3.65E-03
4191	486863.09	3855877.25	5.19E-03	9.23E-09	1.04E-06	5.11E-06	5.19E-03	2.47E-03	4.07E-03	7.77E-05	1.87E-04	6.80E-03	2.35E-03	7.63E-09	1.04E-06	5.11E-06	2.35E-03
4192	487363.09	3855877.25	4.16E-03	8.93E-09	1.34E-06	4.26E-06	4.17E-03	1.98E-03	3.93E-03	1.01E-04	1.56E-04	6.17E-03	1.88E-03	7.38E-09	1.34E-06	4.26E-06	1.89E-03
4193	487863.09	3855877.25	3.44E-03	8.69E-09	1.15E-06	3.63E-06	3.44E-03	1.63E-03	3.83E-03	8.62E-05	1.33E-04	5.68E-03	1.55E-03	7.17E-09	1.15E-06	3.63E-06	1.56E-03
4194	488363.09	3855877.25	2.86E-03	8.26E-09	1.01E-06	3.18E-06	2.86E-03	1.36E-03	3.64E-03	7.56E-05	1.17E-04	5.19E-03	1.29E-03	6.82E-09	1.01E-06	3.18E-06	1.30E-03
4195	488863.09	3855877.25	2.42E-03	7.88E-09	1.31E-06	2.88E-06	2.43E-03	1.15E-03	3.47E-03	9.85E-05	1.06E-04	4.82E-03	1.10E-03	6.50E-09	1.31E-06	2.88E-06	1.10E-03
4196	489363.09	3855877.25	2.06E-03	7.46E-09	1.36E-06	2.64E-06	2.06E-03	9.78E-04	3.29E-03	1.02E-04	9.68E-05	4.46E-03	9.31E-04	6.16E-09	1.36E-06	2.64E-06	9.35E-04
4197	489863.09	3855877.25	1.76E-03	7.01E-09	1.76E-06	2.51E-06	1.76E-03	8.37E-04	3.09E-03	1.32E-04	9.19E-05	4.15E-03	7.96E-04	5.79E-09	1.76E-06	2.51E-06	8.01E-04
4198	490363.09	3855877.25	1.52E-03	6.67E-09	2.59E-06	2.39E-06	1.53E-03	7.23E-04	2.94E-03	1.94E-04	8.78E-05	3.94E-03	6.88E-04	5.51E-09	2.59E-06	2.39E-06	6.93E-04
4199	490863.09	3855877.25	1.31E-03	6.06E-09	2.81E-06	2.28E-06	1.31E-03	6.23E-04	2.67E-03	2.11E-04	8.35E-05	3.59E-03	5.92E-04	5.01E-09	2.81E-06	2.28E-06	5.97E-04
4200	491363.09	3855877.25	1.08E-03	5.04E-09	3.81E-06	2.16E-06	1.09E-03	5.14E-04	2.22E-03	2.86E-04	7.93E-05	3.10E-03	4.90E-04	4.17E-09	3.81E-06	2.16E-06	4.96E-04
4201	491863.09	3855877.25	1.01E-03	5.50E-09	4.15E-06	2.15E-06	1.02E-03	4.80E-04	2.42E-03	3.11E-04	7.89E-05	3.29E-03	4.57E-04	4.54E-09	4.15E-06	2.15E-06	4.63E-04
4202	492363.09	3855877.25	8.82E-04	5.01E-09	4.72E-06	2.13E-06	8.89E-04	4.19E-04	2.21E-03	3.54E-04	7.79E-05	3.06E-03	3.99E-04	4.14E-09	4.72E-06	2.13E-06	4.06E-04
4203	492863.09	3855877.25	7.76E-04	4.65E-09	5.22E-06	2.06E-06	7.83E-04	3.69E-04	2.05E-03	3.92E-04	7.54E-05	2.88E-03	3.51E-04	3.84E-09	5.22E-06	2.06E-06	3.58E-04
4204	493363.09	3855877.25	5.96E-04	3.63E-09	5.01E-06	1.87E-06	6.03E-04	2.83E-04	1.60E-03	3.76E-04	6.86E-05	2.32E-03	2.70E-04	3.00E-09	5.01E-06	1.87E-06	2.77E-04
4205	493863.09	3855877.25	4.10E-04	2.77E-09	4.21E-06	1.68E-06	4.15E-04	1.95E-04	1.22E-03	3.15E-04	6.16E-05	1.79E-03	1.85E-04	2.29E-09	4.21E-06	1.68E-06	1.91E-04

4206	494363.09	3855877.25	2.80E-04	2.17E-09	3.85E-06	1.55E-06	2.85E-04	1.33E-04	9.54E-04	2.89E-04	5.69E-05	1.43E-03	1.27E-04	1.79E-09	3.85E-06	1.55E-06	1.32E-04
4207	494863.09	3855877.25	2.04E-04	1.79E-09	3.68E-06	1.47E-06	2.10E-04	9.72E-05	7.89E-04	2.76E-04	5.39E-05	1.22E-03	9.24E-05	1.48E-09	3.68E-06	1.47E-06	9.76E-05
4208	495363.09	3855877.25	1.43E-04	1.41E-09	3.31E-06	1.36E-06	1.48E-04	6.80E-05	6.22E-04	2.48E-04	5.00E-05	9.88E-04	6.47E-05	1.17E-09	3.31E-06	1.36E-06	6.93E-05
4209	495863.09	3855877.25	1.34E-04	1.38E-09	3.26E-06	1.34E-06	1.38E-04	6.35E-05	6.09E-04	2.44E-04	4.93E-05	9.66E-04	6.04E-05	1.14E-09	3.26E-06	1.34E-06	6.50E-05
4210	496363.09	3855877.25	1.27E-04	1.37E-09	3.22E-06	1.33E-06	1.31E-04	6.03E-05	6.02E-04	2.41E-04	4.88E-05	9.53E-04	5.74E-05	1.13E-09	3.22E-06	1.33E-06	6.19E-05
4211	496863.09	3855877.25	1.27E-04	1.40E-09	3.25E-06	1.33E-06	1.31E-04	6.03E-05	6.17E-04	2.44E-04	4.89E-05	9.70E-04	5.74E-05	1.16E-09	3.25E-06	1.33E-06	6.20E-05
4212	497363.09	3855877.25	1.28E-04	1.44E-09	3.27E-06	1.34E-06	1.33E-04	6.09E-05	6.35E-04	2.45E-04	4.90E-05	9.90E-04	5.80E-05	1.19E-09	3.27E-06	1.34E-06	6.26E-05
4213	497863.09	3855877.25	1.32E-04	1.50E-09	3.31E-06	1.34E-06	1.37E-04	6.28E-05	6.62E-04	2.48E-04	4.91E-05	1.02E-03	5.98E-05	1.24E-09	3.31E-06	1.34E-06	6.44E-05
4214	498363.09	3855877.25	1.47E-04	1.65E-09	3.35E-06	1.35E-06	1.52E-04	6.99E-05	7.26E-04	2.51E-04	4.96E-05	1.10E-03	6.65E-05	1.36E-09	3.35E-06	1.35E-06	7.12E-05
4215	471363.09	3856377.25	3.36E-05	4.40E-10	2.58E-07	2.98E-07	3.42E-05	1.60E-05	1.94E-04	1.93E-05	1.09E-05	2.40E-04	1.52E-05	3.63E-10	2.58E-07	2.98E-07	1.58E-05
4216	471863.09	3856377.25	3.54E-05	4.54E-10	2.70E-07	3.09E-07	3.60E-05	1.68E-05	2.00E-04	2.02E-05	1.13E-05	2.48E-04	1.60E-05	3.75E-10	2.70E-07	3.09E-07	1.66E-05
4217	472363.09	3856377.25	3.81E-05	4.86E-10	2.87E-07	3.24E-07	3.87E-05	1.81E-05	2.14E-04	2.15E-05	1.19E-05	2.66E-04	1.72E-05	4.02E-10	2.87E-07	3.24E-07	1.79E-05
4218	472863.09	3856377.25	4.15E-05	5.29E-10	3.08E-07	3.40E-07	4.22E-05	1.97E-05	2.33E-04	2.31E-05	1.25E-05	2.88E-04	1.88E-05	4.37E-10	3.08E-07	3.40E-07	1.94E-05
4219	473363.09	3856377.25	4.47E-05	5.64E-10	3.27E-07	3.56E-07	4.54E-05	2.13E-05	2.49E-04	2.46E-05	1.31E-05	3.07E-04	2.02E-05	4.66E-10	3.27E-07	3.56E-07	2.09E-05
4220	473863.09	3856377.25	4.97E-05	6.39E-10	3.52E-07	3.77E-07	5.04E-05	2.36E-05	2.81E-04	2.64E-05	1.38E-05	3.45E-04	2.25E-05	5.28E-10	3.52E-07	3.77E-07	2.32E-05
4221	474363.09	3856377.25	5.08E-05	6.13E-10	3.67E-07	3.89E-07	5.16E-05	2.42E-05	2.70E-04	2.76E-05	1.43E-05	3.36E-04	2.30E-05	5.06E-10	3.67E-07	3.89E-07	2.37E-05
4222	474863.09	3856377.25	5.02E-05	5.68E-10	4.40E-07	4.15E-07	5.10E-05	2.39E-05	2.50E-04	3.30E-05	1.52E-05	3.22E-04	2.27E-05	4.69E-10	4.40E-07	4.15E-07	2.36E-05
4223	475363.09	3856377.25	4.25E-05	4.74E-10	3.62E-07	4.06E-07	4.32E-05	2.02E-05	2.09E-04	2.72E-05	1.49E-05	2.71E-04	1.92E-05	3.92E-10	3.62E-07	4.06E-07	2.00E-05
4224	475863.09	3856377.25	2.98E-05	3.81E-10	3.04E-07	4.00E-07	3.05E-05	1.42E-05	1.68E-04	2.28E-05	1.47E-05	2.19E-04	1.35E-05	3.14E-10	3.04E-07	4.00E-07	1.42E-05
4225	476363.09	3856377.25	2.82E-05	3.78E-10	3.12E-07	4.19E-07	2.89E-05	1.34E-05	1.67E-04	2.34E-05	1.54E-05	2.19E-04	1.27E-05	3.13E-10	3.12E-07	4.19E-07	1.35E-05
4226	476863.09	3856377.25	2.91E-05	3.96E-10	3.33E-07	4.41E-07	2.99E-05	1.38E-05	1.74E-04	2.49E-05	1.62E-05	2.29E-04	1.32E-05	3.27E-10	3.33E-07	4.41E-07	1.39E-05
4227	477363.09	3856377.25	3.15E-05	4.26E-10	3.56E-07	4.66E-07	3.23E-05	1.50E-05	1.87E-04	2.67E-05	1.71E-05	2.46E-04	1.43E-05	3.52E-10	3.56E-07	4.66E-07	1.51E-05
4228	477863.09	3856377.25	2.56E-05	3.94E-10	3.78E-07	4.88E-07	2.65E-05	1.22E-05	1.74E-04	2.83E-05	1.79E-05	2.32E-04	1.16E-05	3.26E-10	3.78E-07	4.88E-07	1.24E-05
4229	478363.09	3856377.25	2.31E-05	3.87E-10	3.92E-07	5.14E-07	2.40E-05	1.10E-05	1.70E-04	2.94E-05	1.88E-05	2.30E-04	1.05E-05	3.20E-10	3.92E-07	5.14E-07	1.14E-05
4230	478863.09	3856377.25	4.68E-05	5.82E-10	4.60E-07	5.72E-07	4.78E-05	2.23E-05	2.56E-04	3.45E-05	2.10E-05	3.34E-04	2.12E-05	4.81E-10	4.60E-07	5.72E-07	2.22E-05
4231	479363.09	3856377.25	6.28E-05	7.13E-10	5.48E-07	6.37E-07	6.40E-05	2.99E-05	3.14E-04	4.11E-05	2.34E-05	4.08E-04	2.84E-05	5.89E-10	5.48E-07	6.37E-07	2.96E-05
4232	479863.09	3856377.25	1.09E-04	1.03E-09	7.44E-07	7.55E-07	1.10E-04	5.18E-05	4.54E-04	5.58E-05	2.77E-05	5.89E-04	4.93E-05	8.51E-10	7.44E-07	7.55E-07	5.08E-05
4233	480363.09	3856377.25	1.65E-04	1.50E-09	8.08E-07	8.63E-07	1.67E-04	7.84E-05	6.62E-04	6.06E-05	3.16E-05	8.32E-04	7.46E-05	1.24E-09	8.08E-07	8.63E-07	7.62E-05
4234	480863.09	3856377.25	2.17E-04	2.13E-09	7.58E-07	9.17E-07	2.19E-04	1.03E-04	9.39E-04	5.68E-05	3.36E-05	1.13E-03	9.84E-05	1.76E-09	7.58E-07	9.17E-07	1.00E-04
4235	481363.09	3856377.25	2.80E-04	3.23E-09	7.55E-07	1.01E-06	2.82E-04	1.33E-04	1.42E-03	5.66E-05	3.70E-05	1.65E-03	1.27E-04	2.67E-09	7.55E-07	1.01E-06	1.28E-04
4236	481863.09	3856377.25	3.48E-04	6.08E-09	7.65E-07	1.15E-06	3.50E-04	1.65E-04	2.68E-03	5.74E-05	4.23E-05	2.94E-03	1.57E-04	5.02E-09	7.65E-07	1.15E-06	1.59E-04
4237	482363.09	3856377.25	4.10E-04	1.14E-08	8.16E-07	1.57E-06	4.13E-04	1.95E-04	5.02E-03	6.12E-05	5.77E-05	5.33E-03	1.86E-04	9.41E-09	8.16E-07	1.57E-06	1.88E-04
4238	482863.09	3856377.25	5.16E-04	1.84E-08	8.59E-07	2.31E-06	5.19E-04	2.45E-04	8.10E-03	6.44E-05	8.48E-05	8.49E-03	2.33E-04	1.52E-08	8.59E-07	2.31E-06	2.37E-04
4239	483363.09	3856377.25	6.66E-04	6.16E-08	8.89E-07	4.80E-06	6.72E-04	3.17E-04	2.71E-02	6.67E-05	1.76E-04	2.77E-02	3.01E-04	5.08E-08	8.89E-07	4.80E-06	3.07E-04
4240	483863.09	3856377.25	9.15E-04	1.30E-07	8.85E-07	1.19E-05	9.28E-04	4.35E-04	5.71E-02	6.64E-05	4.35E-04	5.80E-02	4.14E-04	1.07E-07	8.85E-07	1.19E-05	4.27E-04
4241	484363.09	3856377.25	1.30E-03	1.28E-07	8.11E-07	1.89E-05	1.32E-03	6.18E-04	5.64E-02	6.09E-05	6.94E-04	5.78E-02	5.88E-04	1.06E-07	8.11E-07	1.89E-05	6.08E-04
4242	484863.09	3856377.25	1.97E-03	5.92E-08	7.08E-07	2.54E-05	1.99E-03	9.34E-04	2.61E-02	5.31E-05	9.32E-04	2.80E-02	8.89E-04	4.89E-08	7.08E-07	2.54E-05	9.15E-04
4243	485363.09	3856377.25	3.65E-03	3.70E-08	6.65E-07	1.69E-05	3.67E-03	1.74E-03	1.63E-02	4.99E-05	6.19E-04	1.87E-02	1.65E-03	3.05E-08	6.65E-07	1.69E-05	1.67E-03
4244	485863.09	3856377.25	1.88E-02	2.57E-08	7.13E-07	9.83E-06	1.89E-02	8.96E-03	1.13E-02	5.35E-05	3.60E-04	2.07E-02	8.52E-03	2.13E-08	7.13E-07	9.83E-06	8.54E-03
4245	486363.09	3856377.25	2.24E-02	1.69E-08	7.88E-07	6.67E-06	2.24E-02	1.07E-02	7.42E-03	5.91E-05	2.45E-04	1.84E-02	1.01E-02	1.39E-08	7.88E-07	6.67E-06	1.02E-02
4246	486863.09	3856377.25	9.93E-03	1.48E-08	9.90E-07	4.94E-06	9.94E-03	4.72E-03	6.50E-03	7.42E-05	1.81E-04	1.15E-02	4.49E-03	1.22E-08	9.90E-07	4.94E-06	4.50E-03
4247	487363.09	3856377.25	6.64E-03	1.36E-08	1.34E-06	3.95E-06	6.64E-03	3.16E-03	5.97E-03	1.01E-04	1.45E-04	9.37E-03	3.00E-03	1.12E-08	1.34E-06	3.95E-06	3.01E-03
4248	487863.09	3856377.25	4.94E-03	1.28E-08	1.57E-06	3.28E-06	4.94E-03	2.35E-03	5.62E-03	1.18E-04	1.20E-04	8.20E-03	2.23E-03	1.05E-08	1.57E-06	3.28E-06	2.24E-03
4249	488363.09	3856377.25	3.79E-03	1.17E-08	1.37E-06	2.85E-06	3.80E-03	1.80E-03	5.16E-03	1.03E-04	1.05E-04	7.17E-03	1.72E-03	9.68E-09	1.37E-06	2.85E-06	1.72E-03
4250	488863.09	3856377.25	2.99E-03	1.08E-08	1.61E-06	2.58E-06	2.99E-03	1.42E-03	4.76E-03	1.21E-04	9.48E-05	6.39E-03	1.35E-03	8.92E-09	1.61E-06	2.58E-06	1.36E-03
4251	489363.09	3856377.25	2.41E-03	9.98E-09	2.07E-06	2.44E-06	2.41E-03	1.14E-03	4.39E-03	1.55E-04	8.95E-05	5.78E-03	1.09E-03	8.24E-09	2.07E-06	2.44E-06	1.09E-03
4252	489863.09	3856377.25	1.98E-03	9.23E-09	3.41E-06	2.35E-06	1.98E-03	9.40E-04	4.07E-03	2.55E-04	8.63E-05	5.35E-03	8.95E-04	7.63E-09	3.41E-06	2.35E-06	9.00E-04
4253	490363.09	3856377.25	1.65E-03	8.46E-09	4.07E-06	2.25E-06	1.66E-03	7.86E-04	3.73E-03	3.05E-04	8.23E-05	4.90E-03	7.48E-04	6.99E-09	4.07E-06	2.25E-06	7.55E-04
4254	490863.09	3856377.25	1.40E-03	7.78E-09	5.17E-06	2.18E-06	1.41E-03	6.67E-04	3.43E-03	3.88E-04	7.98E-05	4.56E-03	6.34E-04	6.43E-09	5.17E-06	2.18E-06	6.42E-04
4255	491363.09	3856377.25	1.20E-03	7.24E-09	5.94E-06	2.19E-06	1.21E-03	5.73E-04	3.19E-03	4.45E-04	8.01E-05	4.29E-03	5.45E-04	5.98E-09	5.94E-06	2.19E-06	5.53E-04
4256	491863.09	3856377.25	1.04E-03	6.64E-09	6.59E-06	2.18E-06	1.05E-03	4.96E-04	2.92E-03	4.94E-04	8.00E-05	3.99E-03	4.72E-04	5.49E-09	6.59E-06	2.18E-06	4.80E-04
4257	492363.09	3856377.25	8.97E-04	5.91E-09	6.83E-06	2.15E-06	9.06E-04	4.27E-04	2.60E-03	5.12E-04	7.89E-05	3.62E-03	4.06E-04	4.88E-09	6.83E-06	2.15E-06	4.15E-04
4258	492863.09	3856377.25	7.25E-04	4.81E-09	6.60E-06	2.04E-06	7.34E-04	3.45E-04	2.12E-03	4.95E-04	7.48E-05	3.03E-03	3.28E-04	3.97E-09	6.60E-06	2.04E-06	3.37E-04
4259	493363.09	3856377.25	4.57E-04	3.34E-09	5.58E-06	1.79E-06	4.64E-04	2.17E-04	1.47E-03	4.18E-04	6.55E-05	2.17E-03	2.07E-04	2.76E-09	5.58E-06	1.79E-06	2.14E-04
4260	493863.09	3856377.25	3.41E-04	2.79E-09	5.12E-06	1.68E-06	3.47E-04	1.62E-04	1.23E-03	3.84E-04	6.17E-05	1.84E-03	1.54E-04	2.30E-09	5.12E-06	1.68E-06	1.61E-04
4261	494363.09	3856377.25	2.38E-04	2.24E-09	4.69E-06	1.58E-06	2.44E-04	1.13E-04	9.84E-04	3.52E-04	5.80E-05	1.51E-03	1.08E-04	1.85E-09	4.69E-06	1.58E-06	1.14E-04
4262	494863.09	3856377.25	1.73E-04	1.83E-09	4.27E-06	1.49E-06	1.79E-04	8.22E-05	8.04E-04	3.20E-04	5.47E-05	1.26E-03	7.82E-05	1.51E-09	4.27E-06	1.49E-06	8.39E-05
4263	495363.09	3856377.25	1.37E-04	1.56E-09	3.83E-06	1.42E-06	1.42E-04	6.49E-05	6.89E-04	2.87E-04	5.19E-05	1.09E-03	6.18E-05	1.29E-09	3.83E-06	1.42E-06	6.70E-05
4264	495863.09	3856377.25	1.27E-04	1.51E-09	3.67E-06	1.39E-06	1.32E-04	6.02E-05	6.66E-04	2.75E-04	5.09E-05	1.05E-03	5.73E-05	1.25E-09	3.67E-06	1.39E-06	6.23E-05
4265	496363.09	3856377.25	1.24E-04	1.52E-09	3.60E-06	1.38E-06	1.29E-04	5.90E-05	6.72E-04	2.70E-04	5.06E-05	1.05E-03	5.62E-05	1.26E-09	3.60E-06	1.38E-06	6.11E-05
4266	496863.09	3856377.25	1.30E-04	1.61E-09	3.66E-06	1.40E-06	1.35E-04	6.16E-05	7.07E-04	2.74E-04	5.13E-05	1.09E-03	5.86E-05	1.33E-09	3.66E-06	1.40E-06	6.37E-05

4267	497363.09	3856377.25	1.35E-04	1.68E-09	3.66E-06	1.40E-06	1.40E-04	6.40E-05	7.40E-04	2.74E-04	5.13E-05	1.13E-03	6.09E-05	1.39E-09	3.66E-06	1.40E-06	6.60E-05
4268	497863.09	3856377.25	1.44E-04	1.79E-09	3.62E-06	1.40E-06	1.49E-04	6.86E-05	7.88E-04	2.71E-04	5.14E-05	1.18E-03	6.53E-05	1.48E-09	3.62E-06	1.40E-06	7.03E-05
4269	498363.09	3856377.25	1.59E-04	1.93E-09	3.62E-06	1.41E-06	1.64E-04	7.54E-05	8.52E-04	2.71E-04	5.16E-05	1.25E-03	7.17E-05	1.60E-09	3.62E-06	1.41E-06	7.67E-05
4270	471363.09	3856877.25	3.45E-05	4.55E-10	2.63E-07	2.94E-07	3.51E-05	1.64E-05	2.00E-04	1.97E-05	1.08E-05	2.47E-04	1.56E-05	3.76E-10	2.63E-07	2.94E-07	1.62E-05
4271	471863.09	3856877.25	3.61E-05	4.63E-10	2.68E-07	3.06E-07	3.67E-05	1.72E-05	2.04E-04	2.01E-05	1.12E-05	2.53E-04	1.63E-05	3.83E-10	2.68E-07	3.06E-07	1.69E-05
4272	472363.09	3856877.25	3.88E-05	4.95E-10	2.78E-07	3.21E-07	3.94E-05	1.84E-05	2.18E-04	2.09E-05	1.18E-05	2.69E-04	1.75E-05	4.09E-10	2.78E-07	3.21E-07	1.81E-05
4273	472863.09	3856877.25	4.16E-05	5.27E-10	2.89E-07	3.38E-07	4.22E-05	1.98E-05	2.32E-04	2.17E-05	1.24E-05	2.86E-04	1.88E-05	4.35E-10	2.89E-07	3.38E-07	1.94E-05
4274	473363.09	3856877.25	4.61E-05	5.99E-10	3.03E-07	3.59E-07	4.68E-05	2.19E-05	2.64E-04	2.27E-05	1.32E-05	3.22E-04	2.09E-05	4.95E-10	3.03E-07	3.59E-07	2.15E-05
4275	473863.09	3856877.25	4.94E-05	6.38E-10	3.15E-07	3.78E-07	5.01E-05	2.35E-05	2.81E-04	2.36E-05	1.39E-05	3.42E-04	2.24E-05	5.27E-10	3.15E-07	3.78E-07	2.31E-05
4276	474363.09	3856877.25	5.00E-05	6.06E-10	3.24E-07	3.90E-07	5.08E-05	2.38E-05	2.67E-04	2.43E-05	1.43E-05	3.29E-04	2.26E-05	5.00E-10	3.24E-07	3.90E-07	2.34E-05
4277	474863.09	3856877.25	4.88E-05	5.56E-10	3.65E-07	4.17E-07	4.96E-05	2.32E-05	2.45E-04	2.74E-05	1.53E-05	3.11E-04	2.21E-05	4.59E-10	3.65E-07	4.17E-07	2.29E-05
4278	475363.09	3856877.25	4.32E-05	4.86E-10	3.33E-07	4.09E-07	4.40E-05	2.06E-05	2.14E-04	2.50E-05	1.50E-05	2.74E-04	1.96E-05	4.01E-10	3.33E-07	4.09E-07	2.03E-05
4279	475863.09	3856877.25	4.40E-05	4.94E-10	3.42E-07	4.25E-07	4.48E-05	2.09E-05	2.17E-04	2.56E-05	1.56E-05	2.79E-04	1.99E-05	4.08E-10	3.42E-07	4.25E-07	2.07E-05
4280	476363.09	3856877.25	3.87E-05	4.58E-10	3.33E-07	4.25E-07	3.94E-05	1.84E-05	2.02E-04	2.50E-05	1.56E-05	2.61E-04	1.75E-05	3.79E-10	3.33E-07	4.25E-07	1.83E-05
4281	476863.09	3856877.25	3.74E-05	4.61E-10	3.27E-07	4.43E-07	3.82E-05	1.78E-05	2.03E-04	2.46E-05	1.62E-05	2.61E-04	1.69E-05	3.80E-10	3.27E-07	4.43E-07	1.77E-05
4282	477363.09	3856877.25	3.33E-05	4.41E-10	3.29E-07	4.58E-07	3.40E-05	1.58E-05	1.94E-04	2.47E-05	1.68E-05	2.51E-04	1.50E-05	3.64E-10	3.29E-07	4.58E-07	1.58E-05
4283	477863.09	3856877.25	2.28E-05	3.71E-10	3.22E-07	4.73E-07	2.36E-05	1.08E-05	1.63E-04	2.42E-05	1.73E-05	2.16E-04	1.03E-05	3.07E-10	3.22E-07	4.73E-07	1.11E-05
4284	478363.09	3856877.25	2.05E-05	3.61E-10	3.38E-07	4.96E-07	2.13E-05	9.74E-06	1.59E-04	2.54E-05	1.82E-05	2.12E-04	9.26E-06	2.98E-10	3.38E-07	4.96E-07	1.01E-05
4285	478863.09	3856877.25	2.66E-05	4.28E-10	3.74E-07	5.34E-07	2.75E-05	1.27E-05	1.89E-04	2.81E-05	1.96E-05	2.49E-04	1.20E-05	3.54E-10	3.74E-07	5.34E-07	1.29E-05
4286	479363.09	3856877.25	3.67E-05	5.28E-10	4.07E-07	5.76E-07	3.77E-05	1.75E-05	2.32E-04	3.06E-05	2.11E-05	3.02E-04	1.66E-05	4.36E-10	4.07E-07	5.76E-07	1.76E-05
4287	479863.09	3856877.25	1.00E-04	9.72E-10	7.25E-07	7.47E-07	1.02E-04	4.77E-05	4.28E-04	5.44E-05	2.74E-05	5.58E-04	4.54E-05	8.03E-10	7.25E-07	7.47E-07	4.69E-05
4288	480363.09	3856877.25	1.64E-04	1.49E-09	8.31E-07	9.06E-07	1.66E-04	7.82E-05	6.58E-04	6.23E-05	3.32E-05	8.31E-04	7.44E-05	1.23E-09	8.31E-07	9.06E-07	7.62E-05
4289	480863.09	3856877.25	2.24E-04	2.35E-09	6.59E-07	8.84E-07	2.25E-04	1.06E-04	1.04E-03	4.94E-05	3.24E-05	1.22E-03	1.01E-04	1.94E-09	6.59E-07	8.84E-07	1.03E-04
4290	481363.09	3856877.25	2.81E-04	3.59E-09	6.58E-07	9.26E-07	2.83E-04	1.34E-04	1.58E-03	4.94E-05	3.39E-05	1.80E-03	1.27E-04	2.97E-09	6.58E-07	9.26E-07	1.29E-04
4291	481863.09	3856877.25	3.38E-04	5.03E-09	7.09E-07	1.05E-06	3.40E-04	1.61E-04	2.21E-03	5.32E-05	3.86E-05	2.47E-03	1.53E-04	4.15E-09	7.09E-07	1.05E-06	1.55E-04
4292	482363.09	3856877.25	3.81E-04	9.88E-09	7.82E-07	1.21E-06	3.83E-04	1.81E-04	4.35E-03	5.87E-05	4.43E-05	4.64E-03	1.72E-04	8.16E-09	7.82E-07	1.21E-06	1.74E-04
4293	482863.09	3856877.25	4.53E-04	1.54E-08	8.59E-07	1.52E-06	4.55E-04	2.15E-04	6.78E-03	6.44E-05	5.57E-05	7.11E-03	2.05E-04	1.27E-08	8.59E-07	1.52E-06	2.07E-04
4294	483363.09	3856877.25	5.66E-04	2.92E-08	9.48E-07	2.31E-06	5.69E-04	2.69E-04	1.28E-02	7.11E-05	8.46E-05	1.33E-02	2.56E-04	2.41E-08	9.48E-07	2.31E-06	2.59E-04
4295	483863.09	3856877.25	7.31E-04	1.20E-07	1.04E-06	3.34E-06	7.36E-04	3.48E-04	5.29E-02	7.78E-05	1.22E-04	5.35E-02	3.31E-04	9.93E-08	1.04E-06	3.34E-06	3.35E-04
4296	484363.09	3856877.25	9.60E-04	1.56E-07	1.12E-06	5.39E-06	9.67E-04	4.57E-04	6.86E-02	8.38E-05	1.98E-04	6.94E-02	4.34E-04	1.29E-07	1.12E-06	5.39E-06	4.41E-04
4297	484863.09	3856877.25	1.26E-03	1.83E-07	1.15E-06	6.87E-06	1.27E-03	5.99E-04	8.07E-02	8.64E-05	2.52E-04	8.16E-02	5.70E-04	1.51E-07	1.15E-06	6.87E-06	5.78E-04
4298	485363.09	3856877.25	1.83E-03	7.78E-08	1.12E-06	8.40E-06	1.84E-03	8.71E-04	3.43E-02	8.41E-05	3.08E-04	3.55E-02	8.29E-04	6.43E-08	1.12E-06	8.40E-06	8.39E-04
4299	485863.09	3856877.25	3.10E-03	4.67E-08	1.00E-06	5.42E-06	3.11E-03	1.47E-03	2.06E-02	7.53E-05	1.99E-04	2.23E-02	1.40E-03	3.86E-08	1.00E-06	5.42E-06	1.41E-03
4300	486363.09	3856877.25	1.07E-02	2.43E-08	9.94E-07	4.17E-06	1.07E-02	5.08E-03	1.07E-02	7.46E-05	1.53E-04	1.60E-02	4.84E-03	2.00E-08	9.94E-07	4.17E-06	4.84E-03
4301	486863.09	3856877.25	4.02E-02	2.08E-08	1.19E-06	3.36E-06	4.02E-02	1.91E-02	9.14E-03	8.89E-05	1.23E-04	2.85E-02	1.82E-02	1.72E-08	1.19E-06	3.36E-06	1.82E-02
4302	487363.09	3856877.25	1.08E-02	1.86E-08	1.61E-06	2.88E-06	1.08E-02	5.13E-03	8.17E-03	1.21E-04	1.06E-04	1.35E-02	4.88E-03	1.53E-08	1.61E-06	2.88E-06	4.89E-03
4303	487863.09	3856877.25	5.93E-03	1.67E-08	2.42E-06	2.61E-06	5.93E-03	2.82E-03	7.38E-03	1.82E-04	9.56E-05	1.05E-02	2.68E-03	1.38E-08	2.42E-06	2.61E-06	2.69E-03
4304	488363.09	3856877.25	3.91E-03	1.52E-08	2.20E-06	2.42E-06	3.92E-03	1.86E-03	6.72E-03	1.65E-04	8.86E-05	8.83E-03	1.77E-03	1.26E-08	2.20E-06	2.42E-06	1.77E-03
4305	488863.09	3856877.25	2.88E-03	1.37E-08	2.85E-06	2.36E-06	2.88E-03	1.37E-03	6.05E-03	2.14E-04	8.66E-05	7.72E-03	1.30E-03	1.13E-08	2.85E-06	2.36E-06	1.31E-03
4306	489363.09	3856877.25	2.25E-03	1.26E-08	5.72E-06	2.35E-06	2.26E-03	1.07E-03	5.55E-03	4.29E-04	8.62E-05	7.14E-03	1.02E-03	1.04E-08	5.72E-06	2.35E-06	1.03E-03
4307	489863.09	3856877.25	1.83E-03	1.15E-08	7.85E-06	2.29E-06	1.84E-03	8.71E-04	5.07E-03	5.89E-04	8.40E-05	6.62E-03	8.29E-04	9.51E-09	7.85E-06	2.29E-06	8.39E-04
4308	490363.09	3856877.25	1.53E-03	1.04E-08	9.32E-06	2.26E-06	1.54E-03	7.28E-04	4.58E-03	6.99E-04	8.30E-05	6.09E-03	6.93E-04	8.59E-09	9.32E-06	2.26E-06	7.05E-04
4309	490863.09	3856877.25	1.30E-03	9.49E-09	9.85E-06	2.28E-06	1.31E-03	6.19E-04	4.18E-03	7.39E-04	8.36E-05	5.62E-03	5.89E-04	7.83E-09	9.85E-06	2.28E-06	6.01E-04
4310	491363.09	3856877.25	1.12E-03	8.70E-09	9.71E-06	2.31E-06	1.14E-03	5.35E-04	3.83E-03	7.28E-04	8.48E-05	5.18E-03	5.09E-04	7.19E-09	9.71E-06	2.31E-06	5.21E-04
4311	491863.09	3856877.25	9.78E-04	7.92E-09	9.53E-06	2.31E-06	9.90E-04	4.65E-04	3.49E-03	7.15E-04	8.47E-05	4.75E-03	4.43E-04	6.54E-09	9.53E-06	2.31E-06	4.54E-04
4312	492363.09	3856877.25	8.01E-04	6.18E-09	9.64E-06	2.27E-06	8.13E-04	3.81E-04	2.72E-03	7.23E-04	8.34E-05	3.91E-03	3.62E-04	5.10E-09	9.64E-06	2.27E-06	3.74E-04
4313	492863.09	3856877.25	6.20E-04	4.99E-09	8.85E-06	2.11E-06	6.31E-04	2.95E-04	2.20E-03	6.64E-04	7.73E-05	3.23E-03	2.81E-04	4.12E-09	8.85E-06	2.11E-06	2.92E-04
4314	493363.09	3856877.25	4.36E-04	3.90E-09	7.28E-06	1.91E-06	4.45E-04	2.07E-04	1.72E-03	5.46E-04	7.00E-05	2.54E-03	1.97E-04	3.22E-09	7.28E-06	1.91E-06	2.06E-04
4315	493863.09	3856877.25	2.86E-04	2.95E-09	6.04E-06	1.76E-06	2.94E-04	1.36E-04	1.30E-03	4.53E-04	6.44E-05	1.95E-03	1.30E-04	2.44E-09	6.04E-06	1.76E-06	1.37E-04
4316	494363.09	3856877.25	1.97E-04	2.33E-09	5.26E-06	1.66E-06	2.04E-04	9.36E-05	1.03E-03	3.95E-04	6.07E-05	1.57E-03	8.90E-05	1.92E-09	5.26E-06	1.66E-06	9.60E-05
4317	494863.09	3856877.25	1.60E-04	2.04E-09	4.75E-06	1.59E-06	1.67E-04	7.63E-05	8.99E-04	3.56E-04	5.82E-05	1.39E-03	7.26E-05	1.69E-09	4.75E-06	1.59E-06	7.89E-05
4318	495363.09	3856877.25	1.40E-04	1.88E-09	4.33E-06	1.53E-06	1.46E-04	6.67E-05	8.27E-04	3.25E-04	5.60E-05	1.27E-03	6.35E-05	1.55E-09	4.33E-06	1.53E-06	6.93E-05
4319	495863.09	3856877.25	1.34E-04	1.84E-09	4.10E-06	1.50E-06	1.39E-04	6.35E-05	8.09E-04	3.07E-04	5.49E-05	1.23E-03	6.05E-05	1.52E-09	4.10E-06	1.50E-06	6.61E-05
4320	496363.09	3856877.25	1.30E-04	1.82E-09	3.87E-06	1.47E-06	1.35E-04	6.16E-05	8.00E-04	2.90E-04	5.39E-05	1.21E-03	5.86E-05	1.50E-09	3.87E-06	1.47E-06	6.40E-05
4321	496863.09	3856877.25	1.30E-04	1.85E-09	3.79E-06	1.46E-06	1.35E-04	6.19E-05	8.14E-04	2.84E-04	5.36E-05	1.21E-03	5.89E-05	1.53E-09	3.79E-06	1.46E-06	6.42E-05
4322	497363.09	3856877.25	1.36E-04	1.92E-09	3.69E-06	1.46E-06	1.41E-04	6.48E-05	8.46E-04	2.76E-04	5.35E-05	1.24E-03	6.16E-05	1.59E-09	3.69E-06	1.46E-06	6.68E-05
4323	497863.09	3856877.25	1.53E-04	2.10E-09	3.67E-06	1.46E-06	1.58E-04	7.28E-05	9.24E-04	2.76E-04	5.36E-05	1.33E-03	6.92E-05	1.73E-09	3.67E-06	1.46E-06	7.44E-05
4324	498363.09	3856877.25	1.74E-04	2.31E-09	3.72E-06	1.47E-06	1.79E-04	8.25E-05	1.02E-03	2.79E-04	5.38E-05	1.43E-03	7.85E-05	1.91E-09	3.72E-06	1.47E-06	8.37E-05
4325	471363.09	3857377.25	3.54E-05	4.62E-10	2.99E-07	3.01E-07	3.60E-05	1.68E-05	2.03E-04	2.24E-05	1.10E-05	2.54E-04	1.60E-05	3.82E-10	2.99E-07	3.01E-07	1.66E-05
4326	471863.09	3857377.25	3.67E-05	4.69E-10	3.04E-07	3.10E-07	3.73E-05	1.74E-05	2.06E-04	2.28E-05	1.14E-05	2.58E-04	1.66E-05	3.87E-10	3.04E-07	3.10E-07	1.72E-05
4327	472363.09	3857377.25	3.89E-05	4.95E-10	3.15E-07	3.23E-07	3.95E-05	1.85E-05	2.18E-04	2.36E-05	1.18E-05	2.72E-04	1.76E-05	4.09E-10	3.15E-07	3.23E-07	1.82E-05

4328	472863.09	3857377.25	4.17E-05	5.32E-10	3.26E-07	3.38E-07	4.23E-05	1.98E-05	2.34E-04	2.44E-05	1.24E-05	2.91E-04	1.88E-05	4.40E-10	3.26E-07	3.38E-07	1.95E-05
4329	473363.09	3857377.25	4.52E-05	5.87E-10	3.37E-07	3.55E-07	4.59E-05	2.15E-05	2.59E-04	2.53E-05	1.30E-05	3.18E-04	2.05E-05	4.85E-10	3.37E-07	3.55E-07	2.12E-05
4330	473863.09	3857377.25	4.95E-05	6.61E-10	3.47E-07	3.73E-07	5.02E-05	2.35E-05	2.91E-04	2.60E-05	1.37E-05	3.54E-04	2.24E-05	5.46E-10	3.47E-07	3.73E-07	2.31E-05
4331	474363.09	3857377.25	4.89E-05	5.97E-10	3.55E-07	3.79E-07	4.96E-05	2.32E-05	2.63E-04	2.67E-05	1.39E-05	3.27E-04	2.21E-05	4.93E-10	3.55E-07	3.79E-07	2.29E-05
4332	474863.09	3857377.25	3.99E-05	4.53E-10	3.45E-07	3.71E-07	4.06E-05	1.90E-05	2.00E-04	2.59E-05	1.36E-05	2.58E-04	1.80E-05	3.75E-10	3.45E-07	3.71E-07	1.88E-05
4333	475363.09	3857377.25	2.80E-05	3.55E-10	2.87E-07	3.54E-07	2.86E-05	1.33E-05	1.56E-04	2.16E-05	1.30E-05	2.04E-04	1.27E-05	2.93E-10	2.87E-07	3.54E-07	1.33E-05
4334	475863.09	3857377.25	2.61E-05	3.48E-10	2.90E-07	3.68E-07	2.67E-05	1.24E-05	1.53E-04	2.18E-05	1.35E-05	2.01E-04	1.18E-05	2.88E-10	2.90E-07	3.68E-07	1.24E-05
4335	476363.09	3857377.25	3.49E-05	4.24E-10	3.33E-07	3.99E-07	3.57E-05	1.66E-05	1.87E-04	2.49E-05	1.46E-05	2.43E-04	1.58E-05	3.50E-10	3.33E-07	3.99E-07	1.65E-05
4336	476863.09	3857377.25	3.74E-05	4.55E-10	3.36E-07	4.19E-07	3.81E-05	1.78E-05	2.00E-04	2.52E-05	1.54E-05	2.59E-04	1.69E-05	3.76E-10	3.36E-07	4.19E-07	1.77E-05
4337	477363.09	3857377.25	3.30E-05	4.28E-10	3.33E-07	4.36E-07	3.38E-05	1.57E-05	1.88E-04	2.50E-05	1.60E-05	2.45E-04	1.49E-05	3.53E-10	3.33E-07	4.36E-07	1.57E-05
4338	477863.09	3857377.25	2.47E-05	3.76E-10	3.19E-07	4.53E-07	2.55E-05	1.18E-05	1.66E-04	2.39E-05	1.66E-05	2.18E-04	1.12E-05	3.11E-10	3.19E-07	4.53E-07	1.20E-05
4339	478363.09	3857377.25	1.87E-05	3.39E-10	3.27E-07	4.78E-07	1.96E-05	8.91E-06	1.49E-04	2.46E-05	1.75E-05	2.00E-04	8.48E-06	2.80E-10	3.27E-07	4.78E-07	9.29E-06
4340	478863.09	3857377.25	1.60E-05	3.25E-10	3.33E-07	5.05E-07	1.68E-05	7.59E-06	1.43E-04	2.50E-05	1.85E-05	1.94E-04	7.22E-06	2.68E-10	3.33E-07	5.05E-07	8.06E-06
4341	479363.09	3857377.25	2.67E-05	4.41E-10	3.73E-07	5.59E-07	2.76E-05	1.27E-05	1.94E-04	2.80E-05	2.05E-05	2.56E-04	1.21E-05	3.65E-10	3.73E-07	5.59E-07	1.30E-05
4342	479863.09	3857377.25	8.16E-05	8.48E-10	5.60E-07	7.10E-07	8.29E-05	3.88E-05	3.73E-04	4.20E-05	2.60E-05	4.80E-04	3.69E-05	7.00E-10	5.60E-07	7.10E-07	3.82E-05
4343	480363.09	3857377.25	6.67E-05	7.78E-10	5.07E-07	7.10E-07	6.80E-05	3.17E-05	3.43E-04	3.80E-05	2.60E-05	4.38E-04	3.02E-05	6.43E-10	5.07E-07	7.10E-07	3.14E-05
4344	480863.09	3857377.25	2.22E-04	2.37E-09	6.16E-07	8.89E-07	2.23E-04	1.05E-04	1.04E-03	4.62E-05	3.26E-05	1.23E-03	1.00E-04	1.96E-09	6.16E-07	8.89E-07	1.02E-04
4345	481363.09	3857377.25	2.53E-04	2.64E-09	6.43E-07	9.39E-07	2.54E-04	1.20E-04	1.16E-03	4.82E-05	3.44E-05	1.37E-03	1.14E-04	2.18E-09	6.43E-07	9.39E-07	1.16E-04
4346	481863.09	3857377.25	3.06E-04	3.96E-09	6.47E-07	1.02E-06	3.07E-04	1.45E-04	1.74E-03	4.85E-05	3.74E-05	1.97E-03	1.38E-04	3.27E-09	6.47E-07	1.02E-06	1.40E-04
4347	482363.09	3857377.25	3.49E-04	7.87E-09	6.79E-07	1.08E-06	3.51E-04	1.66E-04	3.46E-03	5.09E-05	3.96E-05	3.72E-03	1.58E-04	6.50E-09	6.79E-07	1.08E-06	1.60E-04
4348	482863.09	3857377.25	3.99E-04	1.15E-08	7.50E-07	1.28E-06	4.01E-04	1.90E-04	5.05E-03	5.63E-05	4.71E-05	5.34E-03	1.80E-04	9.47E-09	7.50E-07	1.28E-06	1.83E-04
4349	483363.09	3857377.25	4.79E-04	1.63E-08	8.35E-07	1.59E-06	4.81E-04	2.28E-04	7.17E-03	6.26E-05	5.84E-05	7.52E-03	2.17E-04	1.34E-08	8.35E-07	1.59E-06	2.19E-04
4350	483863.09	3857377.25	5.84E-04	2.43E-08	9.46E-07	1.87E-06	5.87E-04	2.78E-04	1.07E-02	7.09E-05	6.85E-05	1.11E-02	2.64E-04	2.01E-08	9.46E-07	1.87E-06	2.67E-04
4351	484363.09	3857377.25	7.13E-04	3.91E-08	1.09E-06	1.78E-06	7.16E-04	3.39E-04	1.72E-02	8.14E-05	6.54E-05	1.77E-02	3.22E-04	3.23E-08	1.09E-06	1.78E-06	3.25E-04
4352	484863.09	3857377.25	8.70E-04	7.02E-08	1.26E-06	1.85E-06	8.73E-04	4.14E-04	3.09E-02	9.46E-05	6.79E-05	3.15E-02	3.94E-04	5.80E-08	1.26E-06	1.85E-06	3.97E-04
4353	485363.09	3857377.25	1.08E-03	1.71E-07	1.46E-06	1.93E-06	1.09E-03	5.14E-04	7.55E-02	1.10E-04	7.08E-05	7.62E-02	4.89E-04	1.42E-07	1.46E-06	1.93E-06	4.93E-04
4354	485863.09	3857377.25	1.40E-03	9.90E-08	1.66E-06	2.09E-06	1.40E-03	6.65E-04	4.36E-02	1.25E-04	7.67E-05	4.45E-02	6.32E-04	8.18E-08	1.66E-06	2.09E-06	6.36E-04
4355	486363.09	3857377.25	2.09E-03	4.40E-08	1.87E-06	2.18E-06	2.09E-03	9.94E-04	1.94E-02	1.40E-04	7.98E-05	2.06E-02	9.46E-04	3.64E-08	1.87E-06	2.18E-06	9.50E-04
4356	486863.09	3857377.25	3.20E-03	2.54E-08	1.92E-06	2.24E-06	3.20E-03	1.52E-03	1.12E-02	1.44E-04	8.23E-05	1.29E-02	1.45E-03	2.10E-08	1.92E-06	2.24E-06	1.45E-03
4357	487363.09	3857377.25	3.31E-03	2.24E-08	2.54E-06	2.30E-06	3.32E-03	1.58E-03	9.87E-03	1.90E-04	8.42E-05	1.17E-02	1.50E-03	1.85E-08	2.54E-06	2.30E-06	1.50E-03
4358	487863.09	3857377.25	2.83E-03	2.06E-08	4.59E-06	2.47E-06	2.83E-03	1.34E-03	9.08E-03	3.44E-04	9.06E-05	1.09E-02	1.28E-03	1.70E-08	4.59E-06	2.47E-06	1.29E-03
4359	488363.09	3857377.25	2.33E-03	1.87E-08	5.09E-06	2.51E-06	2.33E-03	1.11E-03	8.23E-03	3.82E-04	9.19E-05	9.81E-03	1.05E-03	1.54E-08	5.09E-06	2.51E-06	1.06E-03
4360	488863.09	3857377.25	1.92E-03	1.71E-08	1.68E-05	2.56E-06	1.94E-03	9.14E-04	7.51E-03	1.26E-03	9.38E-05	9.78E-03	8.69E-04	1.41E-08	1.68E-05	2.56E-06	8.89E-04
4361	489363.09	3857377.25	1.62E-03	1.56E-08	2.33E-05	2.56E-06	1.65E-03	7.71E-04	6.87E-03	1.75E-03	9.38E-05	9.48E-03	7.34E-04	1.29E-08	2.33E-05	2.56E-06	7.60E-04
4362	489863.09	3857377.25	1.40E-03	1.41E-08	2.10E-05	2.54E-06	1.43E-03	6.66E-04	6.20E-03	1.57E-03	9.33E-05	8.53E-03	6.34E-04	1.16E-08	2.10E-05	2.54E-06	6.58E-04
4363	490363.09	3857377.25	1.22E-03	1.27E-08	1.82E-05	2.55E-06	1.24E-03	5.81E-04	5.59E-03	1.37E-03	9.36E-05	7.64E-03	5.53E-04	1.05E-08	1.82E-05	2.55E-06	5.74E-04
4364	490863.09	3857377.25	1.07E-03	1.16E-08	1.63E-05	2.58E-06	1.09E-03	5.10E-04	5.11E-03	1.22E-03	9.45E-05	6.94E-03	4.85E-04	9.59E-09	1.63E-05	2.58E-06	5.04E-04
4365	491363.09	3857377.25	9.49E-04	1.07E-08	1.46E-05	2.56E-06	9.67E-04	4.51E-04	4.73E-03	1.10E-03	9.39E-05	6.37E-03	4.30E-04	8.86E-09	1.46E-05	2.56E-06	4.47E-04
4366	491863.09	3857377.25	8.40E-04	9.36E-09	1.35E-05	2.58E-06	8.57E-04	4.00E-04	4.12E-03	1.01E-03	9.46E-05	5.63E-03	3.80E-04	7.73E-09	1.35E-05	2.58E-06	3.96E-04
4367	492363.09	3857377.25	6.68E-04	6.73E-09	1.26E-05	2.55E-06	6.83E-04	3.18E-04	2.97E-03	9.44E-04	9.34E-05	4.32E-03	3.02E-04	5.56E-09	1.26E-05	2.55E-06	3.17E-04
4368	492863.09	3857377.25	4.59E-04	4.97E-09	9.54E-06	2.22E-06	4.71E-04	2.18E-04	2.19E-03	7.15E-04	8.12E-05	3.20E-03	2.08E-04	4.10E-09	9.54E-06	2.22E-06	2.20E-04
4369	493363.09	3857377.25	3.06E-04	3.75E-09	7.16E-06	1.99E-06	3.15E-04	1.45E-04	1.65E-03	5.37E-04	7.29E-05	2.41E-03	1.38E-04	3.10E-09	7.16E-06	1.99E-06	1.47E-04
4370	493863.09	3857377.25	2.46E-04	3.26E-09	6.13E-06	1.90E-06	2.54E-04	1.17E-04	1.43E-03	4.60E-04	6.95E-05	2.08E-03	1.11E-04	2.69E-09	6.13E-06	1.90E-06	1.19E-04
4371	494363.09	3857377.25	1.93E-04	2.78E-09	5.30E-06	1.80E-06	2.00E-04	9.19E-05	1.23E-03	3.98E-04	6.59E-05	1.78E-03	8.75E-05	2.30E-09	5.30E-06	1.80E-06	9.46E-05
4372	494863.09	3857377.25	1.69E-04	2.55E-09	4.77E-06	1.73E-06	1.76E-04	8.06E-05	1.12E-03	3.58E-04	6.34E-05	1.62E-03	7.67E-05	2.11E-09	4.77E-06	1.73E-06	8.32E-05
4373	495363.09	3857377.25	1.52E-04	2.36E-09	4.35E-06	1.66E-06	1.58E-04	7.23E-05	1.04E-03	3.26E-04	6.10E-05	1.50E-03	6.88E-05	1.95E-09	4.35E-06	1.66E-06	7.48E-05
4374	495863.09	3857377.25	1.46E-04	2.29E-09	4.07E-06	1.62E-06	1.51E-04	6.92E-05	1.01E-03	3.05E-04	5.94E-05	1.44E-03	6.58E-05	1.89E-09	4.07E-06	1.62E-06	7.15E-05
4375	496363.09	3857377.25	1.42E-04	2.24E-09	3.81E-06	1.57E-06	1.47E-04	6.75E-05	9.87E-04	2.86E-04	5.77E-05	1.40E-03	6.43E-05	1.85E-09	3.81E-06	1.57E-06	6.97E-05
4376	496863.09	3857377.25	1.40E-04	2.22E-09	3.63E-06	1.53E-06	1.46E-04	6.68E-05	9.76E-04	2.72E-04	5.62E-05	1.37E-03	6.35E-05	1.83E-09	3.63E-06	1.53E-06	6.87E-05
4377	497363.09	3857377.25	1.47E-04	2.28E-09	3.54E-06	1.51E-06	1.52E-04	7.01E-05	1.00E-03	2.66E-04	5.55E-05	1.40E-03	6.67E-05	1.88E-09	3.54E-06	1.51E-06	7.17E-05
4378	497863.09	3857377.25	1.59E-04	2.41E-09	3.50E-06	1.50E-06	1.64E-04	7.56E-05	1.06E-03	2.62E-04	5.52E-05	1.45E-03	7.19E-05	1.99E-09	3.50E-06	1.50E-06	7.69E-05
4379	498363.09	3857377.25	1.94E-04	2.81E-09	3.66E-06	1.53E-06	1.99E-04	9.22E-05	1.24E-03	2.75E-04	5.62E-05	1.66E-03	8.78E-05	2.32E-09	3.66E-06	1.53E-06	9.29E-05
4380	471363.09	3857877.25	3.68E-05	4.79E-10	2.91E-07	2.91E-07	3.73E-05	1.75E-05	2.11E-04	2.18E-05	1.07E-05	2.61E-04	1.66E-05	3.95E-10	2.91E-07	2.91E-07	1.72E-05
4381	471863.09	3857877.25	3.83E-05	4.89E-10	2.99E-07	3.00E-07	3.89E-05	1.82E-05	2.15E-04	2.25E-05	1.10E-05	2.67E-04	1.73E-05	4.04E-10	2.99E-07	3.00E-07	1.79E-05
4382	472363.09	3857877.25	4.05E-05	5.14E-10	3.10E-07	3.12E-07	4.11E-05	1.93E-05	2.26E-04	2.32E-05	1.14E-05	2.80E-04	1.83E-05	4.25E-10	3.10E-07	3.12E-07	1.90E-05
4383	472863.09	3857877.25	4.37E-05	5.66E-10	3.21E-07	3.27E-07	4.44E-05	2.08E-05	2.49E-04	2.41E-05	1.20E-05	3.06E-04	1.98E-05	4.68E-10	3.21E-07	3.27E-07	2.04E-05
4384	473363.09	3857877.25	4.64E-05	5.98E-10	3.33E-07	3.41E-07	4.71E-05	2.21E-05	2.63E-04	2.49E-05	1.25E-05	3.23E-04	2.10E-05	4.94E-10	3.33E-07	3.41E-07	2.17E-05
4385	473863.09	3857877.25	5.01E-05	6.57E-10	3.44E-07	3.59E-07	5.08E-05	2.38E-05	2.89E-04	2.58E-05	1.32E-05	3.52E-04	2.27E-05	5.43E-10	3.44E-07	3.59E-07	2.34E-05
4386	474363.09	3857877.25	4.88E-05	5.69E-10	3.81E-07	4.00E-07	4.96E-05	2.32E-05	2.50E-04	2.86E-05	1.47E-05	3.17E-04	2.21E-05	4.70E-10	3.81E-07	4.00E-07	2.28E-05
4387	474863.09	3857877.25	3.80E-05	4.18E-10	3.38E-07	3.53E-07	3.87E-05	1.81E-05	1.84E-04	2.54E-05	1.29E-05	2.41E-04	1.72E-05	3.46E-10	3.38E-07	3.53E-07	1.79E-05
4388	475363.09	3857877.25	2.09E-05	2.89E-10	2.79E-07	3.32E-07	2.15E-05	9.92E-06	1.27E-04	2.09E-05	1.22E-05	1.70E-04	9.44E-06	2.39E-10	2.79E-07	3.32E-07	1.01E-05

4389	475863.09	3857877.25	9.39E-06	1.90E-10	2.47E-07	3.25E-07	9.97E-06	4.47E-06	8.35E-05	1.86E-05	1.19E-05	1.18E-04	4.25E-06	1.57E-10	2.47E-07	3.25E-07	4.82E-06
4390	476363.09	3857877.25	2.41E-05	3.28E-10	3.04E-07	3.72E-07	2.48E-05	1.15E-05	1.44E-04	2.28E-05	1.36E-05	1.92E-04	1.09E-05	2.71E-10	3.04E-07	3.72E-07	1.16E-05
4391	476863.09	3857877.25	3.07E-05	3.85E-10	3.38E-07	3.99E-07	3.15E-05	1.46E-05	1.69E-04	2.53E-05	1.46E-05	2.24E-04	1.39E-05	3.18E-10	3.38E-07	3.99E-07	1.46E-05
4392	477363.09	3857877.25	3.05E-05	3.92E-10	3.50E-07	4.25E-07	3.13E-05	1.45E-05	1.73E-04	2.63E-05	1.56E-05	2.29E-04	1.38E-05	3.24E-10	3.50E-07	4.25E-07	1.46E-05
4393	477863.09	3857877.25	2.91E-05	3.98E-10	3.57E-07	4.53E-07	2.99E-05	1.38E-05	1.75E-04	2.68E-05	1.66E-05	2.32E-04	1.32E-05	3.28E-10	3.57E-07	4.53E-07	1.40E-05
4394	478363.09	3857877.25	1.52E-05	2.97E-10	3.35E-07	4.66E-07	1.60E-05	7.23E-06	1.31E-04	2.51E-05	1.71E-05	1.80E-04	6.88E-06	2.45E-10	3.35E-07	4.66E-07	7.68E-06
4395	478863.09	3857877.25	1.23E-05	2.75E-10	3.26E-07	4.78E-07	1.31E-05	5.85E-06	1.21E-04	2.44E-05	1.75E-05	1.69E-04	5.57E-06	2.27E-10	3.26E-07	4.78E-07	6.37E-06
4396	479363.09	3857877.25	7.66E-05	7.51E-10	5.50E-07	6.54E-07	7.79E-05	3.64E-05	3.31E-04	4.13E-05	2.40E-05	4.32E-04	3.47E-05	6.20E-10	5.50E-07	6.54E-07	3.59E-05
4397	479863.09	3857877.25	1.51E-04	1.46E-09	6.27E-07	8.03E-07	1.52E-04	7.18E-05	6.41E-04	4.70E-05	2.95E-05	7.90E-04	6.83E-05	1.20E-09	6.27E-07	8.03E-07	6.98E-05
4398	480363.09	3857877.25	1.82E-04	2.06E-09	6.08E-07	7.86E-07	1.83E-04	8.65E-05	9.05E-04	4.56E-05	2.88E-05	1.07E-03	8.23E-05	1.70E-09	6.08E-07	7.86E-07	8.37E-05
4399	480863.09	3857877.25	2.05E-04	2.40E-09	6.26E-07	8.01E-07	2.07E-04	9.75E-05	1.06E-03	4.69E-05	2.94E-05	1.23E-03	9.28E-05	1.98E-09	6.26E-07	8.01E-07	9.42E-05
4400	481363.09	3857877.25	2.34E-04	2.81E-09	6.61E-07	8.78E-07	2.36E-04	1.11E-04	1.24E-03	4.96E-05	3.22E-05	1.43E-03	1.06E-04	2.32E-09	6.61E-07	8.78E-07	1.08E-04
4401	481863.09	3857877.25	2.71E-04	3.55E-09	6.91E-07	9.24E-07	2.72E-04	1.29E-04	1.56E-03	5.18E-05	3.39E-05	1.78E-03	1.22E-04	2.93E-09	6.91E-07	9.24E-07	1.24E-04
4402	482363.09	3857877.25	3.16E-04	5.70E-09	7.10E-07	9.73E-07	3.17E-04	1.50E-04	2.51E-03	5.33E-05	3.57E-05	2.75E-03	1.43E-04	4.71E-09	7.10E-07	9.73E-07	1.45E-04
4403	482863.09	3857877.25	3.43E-04	9.04E-09	7.63E-07	1.14E-06	3.45E-04	1.63E-04	3.98E-03	5.72E-05	4.19E-05	4.24E-03	1.55E-04	7.46E-09	7.63E-07	1.14E-06	1.57E-04
4404	483363.09	3857877.25	4.01E-04	1.11E-08	8.32E-07	1.25E-06	4.03E-04	1.91E-04	4.88E-03	6.24E-05	4.58E-05	5.18E-03	1.81E-04	9.15E-09	8.32E-07	1.25E-06	1.83E-04
4405	483863.09	3857877.25	4.67E-04	1.36E-08	9.23E-07	1.23E-06	4.69E-04	2.22E-04	5.99E-03	6.92E-05	4.51E-05	6.32E-03	2.11E-04	1.12E-08	9.23E-07	1.23E-06	2.13E-04
4406	484363.09	3857877.25	5.42E-04	1.65E-08	1.04E-06	1.30E-06	5.45E-04	2.58E-04	7.25E-03	7.78E-05	4.78E-05	7.63E-03	2.45E-04	1.36E-08	1.04E-06	1.30E-06	2.48E-04
4407	484863.09	3857877.25	6.21E-04	2.07E-08	1.19E-06	1.39E-06	6.24E-04	2.95E-04	9.11E-03	8.92E-05	5.11E-05	9.54E-03	2.81E-04	1.71E-08	1.19E-06	1.39E-06	2.84E-04
4408	485363.09	3857877.25	6.99E-04	2.68E-08	1.39E-06	1.58E-06	7.02E-04	3.33E-04	1.18E-02	1.04E-04	5.80E-05	1.23E-02	3.16E-04	2.21E-08	1.39E-06	1.58E-06	3.19E-04
4409	485863.09	3857877.25	7.84E-04	4.04E-08	1.70E-06	1.91E-06	7.88E-04	3.73E-04	1.78E-02	1.27E-04	6.99E-05	1.84E-02	3.55E-04	3.34E-08	1.70E-06	1.91E-06	3.59E-04
4410	486363.09	3857877.25	8.64E-04	1.37E-07	2.19E-06	2.55E-06	8.69E-04	4.11E-04	6.04E-02	1.64E-04	9.34E-05	6.10E-02	3.91E-04	1.13E-07	2.19E-06	2.55E-06	3.96E-04
4411	486863.09	3857877.25	8.87E-04	5.10E-08	3.19E-06	3.01E-06	8.93E-04	4.22E-04	2.25E-02	2.39E-04	1.10E-04	2.32E-02	4.01E-04	4.21E-08	3.19E-06	3.01E-06	4.07E-04
4412	487363.09	3857877.25	1.02E-03	3.51E-08	6.12E-06	4.67E-06	1.03E-03	4.85E-04	1.54E-02	4.59E-04	1.71E-04	1.66E-02	4.62E-04	2.90E-08	6.12E-06	4.67E-06	4.73E-04
4413	487863.09	3857877.25	1.07E-03	2.84E-08	1.66E-05	4.07E-06	1.09E-03	5.10E-04	1.25E-02	1.24E-03	1.49E-04	1.44E-02	4.85E-04	2.34E-08	1.66E-05	4.07E-06	5.06E-04
4414	488363.09	3857877.25	1.06E-03	2.52E-08	2.30E-04	3.84E-06	1.29E-03	5.02E-04	1.11E-02	1.72E-02	1.41E-04	2.90E-02	4.78E-04	2.08E-08	2.30E-04	3.84E-06	7.11E-04
4415	488863.09	3857877.25	1.06E-03	2.27E-08	1.00E-04	3.65E-06	1.16E-03	5.03E-04	9.98E-03	7.53E-03	1.34E-04	1.81E-02	4.78E-04	1.87E-08	1.00E-04	3.65E-06	5.82E-04
4416	489363.09	3857877.25	1.02E-03	2.01E-08	4.80E-05	3.37E-06	1.07E-03	4.85E-04	8.84E-03	3.60E-03	1.23E-04	1.31E-02	4.62E-04	1.66E-08	4.80E-05	3.37E-06	5.13E-04
4417	489863.09	3857877.25	9.55E-04	1.79E-08	3.01E-05	3.17E-06	9.89E-04	4.54E-04	7.87E-03	2.26E-03	1.16E-04	1.07E-02	4.32E-04	1.48E-08	3.01E-05	3.17E-06	4.66E-04
4418	490363.09	3857877.25	8.80E-04	1.63E-08	2.18E-05	3.11E-06	9.05E-04	4.18E-04	7.20E-03	1.64E-03	1.14E-04	9.37E-03	3.98E-04	1.35E-08	2.18E-05	3.11E-06	4.23E-04
4419	490863.09	3857877.25	8.10E-04	1.50E-08	1.72E-05	3.04E-06	8.30E-04	3.85E-04	6.59E-03	1.29E-03	1.12E-04	8.37E-03	3.66E-04	1.24E-08	1.72E-05	3.04E-06	3.87E-04
4420	491363.09	3857877.25	7.44E-04	1.27E-08	1.43E-05	3.02E-06	7.61E-04	3.54E-04	5.60E-03	1.07E-03	1.11E-04	7.14E-03	3.36E-04	1.05E-08	1.43E-05	3.02E-06	3.54E-04
4421	491863.09	3857877.25	6.66E-04	1.02E-08	1.24E-05	3.04E-06	6.81E-04	3.16E-04	4.51E-03	9.33E-04	1.11E-04	5.87E-03	3.01E-04	8.46E-09	1.24E-05	3.04E-06	3.17E-04
4422	492363.09	3857877.25	4.99E-04	7.09E-09	1.03E-05	2.74E-06	5.12E-04	2.37E-04	3.12E-03	7.75E-04	1.01E-04	4.24E-03	2.26E-04	5.86E-09	1.03E-05	2.74E-06	2.39E-04
4423	492863.09	3857877.25	3.33E-04	5.18E-09	7.50E-06	2.34E-06	3.43E-04	1.58E-04	2.28E-03	5.62E-04	8.59E-05	3.09E-03	1.51E-04	4.28E-09	7.50E-06	2.34E-06	1.61E-04
4424	493363.09	3857877.25	2.71E-04	4.43E-09	6.22E-06	2.18E-06	2.79E-04	1.29E-04	1.95E-03	4.66E-04	7.98E-05	2.62E-03	1.22E-04	3.66E-09	6.22E-06	2.18E-06	1.31E-04
4425	493863.09	3857877.25	2.39E-04	4.00E-09	5.46E-06	2.06E-06	2.46E-04	1.13E-04	1.76E-03	4.09E-04	7.57E-05	2.36E-03	1.08E-04	3.30E-09	5.46E-06	2.06E-06	1.15E-04
4426	494363.09	3857877.25	2.16E-04	3.67E-09	4.89E-06	1.96E-06	2.23E-04	1.03E-04	1.62E-03	3.66E-04	7.18E-05	2.16E-03	9.77E-05	3.03E-09	4.89E-06	1.96E-06	1.05E-04
4427	494863.09	3857877.25	1.82E-04	3.20E-09	4.32E-06	1.85E-06	1.88E-04	8.63E-05	1.41E-03	3.24E-04	6.79E-05	1.89E-03	8.22E-05	2.65E-09	4.32E-06	1.85E-06	8.83E-05
4428	495363.09	3857877.25	1.69E-04	3.00E-09	3.98E-06	1.77E-06	1.75E-04	8.05E-05	1.32E-03	2.98E-04	6.49E-05	1.76E-03	7.66E-05	2.48E-09	3.98E-06	1.77E-06	8.23E-05
4429	495863.09	3857877.25	1.59E-04	2.82E-09	3.68E-06	1.70E-06	1.64E-04	7.55E-05	1.24E-03	2.76E-04	6.22E-05	1.65E-03	7.19E-05	2.33E-09	3.68E-06	1.70E-06	7.73E-05
4430	496363.09	3857877.25	1.60E-04	2.77E-09	3.51E-06	1.64E-06	1.65E-04	7.59E-05	1.22E-03	2.63E-04	6.03E-05	1.62E-03	7.22E-05	2.29E-09	3.51E-06	1.64E-06	7.73E-05
4431	496863.09	3857877.25	1.59E-04	2.73E-09	3.36E-06	1.60E-06	1.64E-04	7.54E-05	1.20E-03	2.52E-04	5.87E-05	1.59E-03	7.18E-05	2.25E-09	3.36E-06	1.60E-06	7.68E-05
4432	497363.09	3857877.25	1.55E-04	2.66E-09	3.21E-06	1.55E-06	1.60E-04	7.39E-05	1.17E-03	2.41E-04	5.67E-05	1.54E-03	7.03E-05	2.19E-09	3.21E-06	1.55E-06	7.51E-05
4433	497863.09	3857877.25	1.77E-04	2.90E-09	3.26E-06	1.55E-06	1.82E-04	8.44E-05	1.28E-03	2.45E-04	5.67E-05	1.66E-03	8.03E-05	2.40E-09	3.26E-06	1.55E-06	8.51E-05
4434	498363.09	3857877.25	2.00E-04	3.18E-09	3.33E-06	1.56E-06	2.04E-04	9.49E-05	1.40E-03	2.49E-04	5.72E-05	1.80E-03	9.03E-05	2.62E-09	3.33E-06	1.56E-06	9.52E-05
4435	471363.09	3858377.25	3.73E-05	5.16E-10	2.76E-07	2.86E-07	3.79E-05	1.77E-05	2.27E-04	2.07E-05	1.05E-05	2.76E-04	1.69E-05	4.26E-10	2.76E-07	2.86E-07	1.74E-05
4436	471863.09	3858377.25	3.89E-05	5.27E-10	2.85E-07	2.97E-07	3.95E-05	1.85E-05	2.32E-04	2.14E-05	1.09E-05	2.83E-04	1.76E-05	4.35E-10	2.85E-07	2.97E-07	1.82E-05
4437	472363.09	3858377.25	4.06E-05	5.41E-10	2.95E-07	3.10E-07	4.12E-05	1.93E-05	2.38E-04	2.21E-05	1.14E-05	2.91E-04	1.84E-05	4.47E-10	2.95E-07	3.10E-07	1.90E-05
4438	472863.09	3858377.25	4.34E-05	5.80E-10	3.06E-07	3.27E-07	4.40E-05	2.06E-05	2.55E-04	2.30E-05	1.20E-05	3.11E-04	1.96E-05	4.79E-10	3.06E-07	3.27E-07	2.03E-05
4439	473363.09	3858377.25	4.77E-05	6.82E-10	3.18E-07	3.44E-07	4.84E-05	2.27E-05	3.00E-04	2.39E-05	1.26E-05	3.59E-04	2.16E-05	5.63E-10	3.18E-07	3.44E-07	2.22E-05
4440	473863.09	3858377.25	4.96E-05	6.58E-10	3.30E-07	3.63E-07	5.03E-05	2.36E-05	2.90E-04	2.47E-05	1.33E-05	3.51E-04	2.24E-05	5.44E-10	3.30E-07	3.63E-07	2.31E-05
4441	474363.09	3858377.25	4.68E-05	5.39E-10	3.34E-07	3.64E-07	4.75E-05	2.23E-05	2.38E-04	2.51E-05	1.34E-05	2.98E-04	2.12E-05	4.45E-10	3.34E-07	3.64E-07	2.19E-05
4442	474863.09	3858377.25	3.92E-05	4.22E-10	3.36E-07	3.60E-07	3.99E-05	1.86E-05	1.86E-04	2.52E-05	1.32E-05	2.43E-04	1.77E-05	3.49E-10	3.36E-07	3.60E-07	1.84E-05
4443	475363.09	3858377.25	2.61E-05	3.17E-10	3.10E-07	3.34E-07	2.67E-05	1.24E-05	1.40E-04	2.33E-05	1.23E-05	1.87E-04	1.18E-05	2.62E-10	3.10E-07	3.34E-07	1.25E-05
4444	475863.09	3858377.25	1.82E-05	2.68E-10	2.99E-07	3.44E-07	1.88E-05	8.65E-06	1.18E-04	2.25E-05	1.26E-05	1.62E-04	8.23E-06	2.21E-10	2.99E-07	3.44E-07	8.88E-06
4445	476363.09	3858377.25	2.00E-05	2.90E-10	3.14E-07	3.64E-07	2.07E-05	9.51E-06	1.28E-04	2.35E-05	1.34E-05	1.74E-04	9.05E-06	2.39E-10	3.14E-07	3.64E-07	9.73E-06
4446	476863.09	3858377.25	2.21E-05	3.16E-10	3.31E-07	3.88E-07	2.28E-05	1.05E-05	1.39E-04	2.48E-05	1.42E-05	1.89E-04	9.98E-06	2.61E-10	3.31E-07	3.88E-07	1.07E-05
4447	477363.09	3858377.25	2.09E-05	3.16E-10	3.41E-07	4.11E-07	2.16E-05	9.92E-06	1.39E-04	2.56E-05	1.51E-05	1.90E-04	9.44E-06	2.61E-10	3.41E-07	4.11E-07	1.02E-05
4448	477863.09	3858377.25	2.94E-05	3.90E-10	3.77E-07	4.44E-07	3.02E-05	1.40E-05	1.72E-04	2.83E-05	1.63E-05	2.30E-04	1.33E-05	3.22E-10	3.77E-07	4.44E-07	1.41E-05
4449	478363.09	3858377.25	3.26E-05	4.23E-10	3.98E-07	4.71E-07	3.35E-05	1.55E-05	1.86E-04	2.99E-05	1.73E-05	2.49E-04	1.48E-05	3.49E-10	3.98E-07	4.71E-07	1.56E-05

4450	478863.09	3858377.25	2.11E-05	3.48E-10	3.82E-07	4.80E-07	2.20E-05	1.00E-05	1.53E-04	2.86E-05	1.76E-05	2.10E-04	9.55E-06	2.88E-10	3.82E-07	4.80E-07	1.04E-05
4451	479363.09	3858377.25	8.21E-05	7.69E-10	5.80E-07	6.28E-07	8.34E-05	3.91E-05	3.39E-04	4.35E-05	2.30E-05	4.44E-04	3.72E-05	6.35E-10	5.80E-07	6.28E-07	3.84E-05
4452	479863.09	3858377.25	1.47E-04	1.61E-09	6.37E-07	7.08E-07	1.48E-04	6.98E-05	7.11E-04	4.78E-05	2.60E-05	8.54E-04	6.64E-05	1.33E-09	6.37E-07	7.08E-07	6.77E-05
4453	480363.09	3858377.25	1.70E-04	2.25E-09	6.39E-07	7.08E-07	1.72E-04	8.09E-05	9.90E-04	4.79E-05	2.60E-05	1.14E-03	7.70E-05	1.86E-09	6.39E-07	7.08E-07	7.84E-05
4454	480863.09	3858377.25	1.90E-04	2.52E-09	6.72E-07	7.39E-07	1.91E-04	9.03E-05	1.11E-03	5.04E-05	2.71E-05	1.28E-03	8.59E-05	2.08E-09	6.72E-07	7.39E-07	8.73E-05
4455	481363.09	3858377.25	2.13E-04	2.96E-09	7.13E-07	7.80E-07	2.15E-04	1.01E-04	1.31E-03	5.35E-05	2.86E-05	1.49E-03	9.64E-05	2.45E-09	7.13E-07	7.80E-07	9.79E-05
4456	481863.09	3858377.25	2.41E-04	3.29E-09	7.69E-07	8.26E-07	2.43E-04	1.15E-04	1.45E-03	5.77E-05	3.03E-05	1.65E-03	1.09E-04	2.71E-09	7.69E-07	8.26E-07	1.11E-04
4457	482363.09	3858377.25	2.78E-04	4.05E-09	8.12E-07	9.02E-07	2.79E-04	1.32E-04	1.78E-03	6.09E-05	3.31E-05	2.01E-03	1.26E-04	3.35E-09	8.12E-07	9.02E-07	1.27E-04
4458	482863.09	3858377.25	3.16E-04	6.19E-09	8.27E-07	9.64E-07	3.18E-04	1.50E-04	2.73E-03	6.20E-05	3.53E-05	2.97E-03	1.43E-04	5.11E-09	8.27E-07	9.64E-07	1.45E-04
4459	483363.09	3858377.25	3.39E-04	8.54E-09	8.74E-07	9.73E-07	3.41E-04	1.61E-04	3.76E-03	6.56E-05	3.57E-05	4.02E-03	1.53E-04	7.05E-09	8.74E-07	9.73E-07	1.55E-04
4460	483863.09	3858377.25	3.69E-04	1.01E-08	9.34E-07	1.03E-06	3.71E-04	1.76E-04	4.43E-03	7.00E-05	3.77E-05	4.71E-03	1.67E-04	8.30E-09	9.34E-07	1.03E-06	1.69E-04
4461	484363.09	3858377.25	4.11E-04	1.18E-08	1.03E-06	1.15E-06	4.13E-04	1.95E-04	5.18E-03	7.75E-05	4.23E-05	5.49E-03	1.86E-04	9.71E-09	1.03E-06	1.15E-06	1.88E-04
4462	484863.09	3858377.25	4.45E-04	1.43E-08	1.16E-06	1.27E-06	4.47E-04	2.12E-04	6.31E-03	8.69E-05	4.67E-05	6.65E-03	2.01E-04	1.18E-08	1.16E-06	1.27E-06	2.04E-04
4463	485363.09	3858377.25	4.77E-04	1.86E-08	1.32E-06	1.53E-06	4.80E-04	2.27E-04	8.20E-03	9.88E-05	5.61E-05	8.58E-03	2.16E-04	1.54E-08	1.32E-06	1.53E-06	2.19E-04
4464	485863.09	3858377.25	5.13E-04	2.90E-08	1.55E-06	2.12E-06	5.17E-04	2.44E-04	1.28E-02	1.17E-04	7.78E-05	1.32E-02	2.32E-04	2.39E-08	1.55E-06	2.12E-06	2.36E-04
4465	486363.09	3858377.25	5.15E-04	1.40E-07	1.93E-06	4.35E-06	5.22E-04	2.45E-04	6.17E-02	1.45E-04	1.59E-04	6.22E-02	2.33E-04	1.16E-07	1.93E-06	4.35E-06	2.40E-04
4466	486863.09	3858377.25	5.09E-04	1.85E-07	2.58E-06	7.21E-06	5.19E-04	2.42E-04	8.13E-02	1.94E-04	2.64E-04	8.20E-02	2.30E-04	1.53E-07	2.58E-06	7.21E-06	2.40E-04
4467	487363.09	3858377.25	5.36E-04	8.54E-08	3.62E-06	8.18E-06	5.48E-04	2.55E-04	3.76E-02	2.71E-04	3.00E-04	3.84E-02	2.42E-04	7.05E-08	3.62E-06	8.18E-06	2.54E-04
4468	487863.09	3858377.25	5.86E-04	5.45E-08	5.04E-06	1.03E-05	6.02E-04	2.79E-04	2.40E-02	3.78E-04	3.79E-04	2.50E-02	2.65E-04	4.50E-08	5.04E-06	1.03E-05	2.81E-04
4469	488363.09	3858377.25	6.12E-04	4.03E-08	7.26E-06	7.43E-06	6.27E-04	2.91E-04	1.78E-02	5.45E-04	2.72E-04	1.89E-02	2.77E-04	3.33E-08	7.26E-06	7.43E-06	2.92E-04
4470	488863.09	3858377.25	5.87E-04	3.26E-08	1.68E-05	5.44E-06	6.10E-04	2.79E-04	1.43E-02	1.26E-03	1.99E-04	1.61E-02	2.66E-04	2.69E-08	1.68E-05	5.44E-06	2.88E-04
4471	489363.09	3858377.25	6.20E-04	2.82E-08	1.48E-05	4.62E-06	6.39E-04	2.95E-04	1.24E-02	1.11E-03	1.70E-04	1.40E-02	2.80E-04	2.33E-08	1.48E-05	4.62E-06	3.00E-04
4472	489863.09	3858377.25	6.37E-04	2.50E-08	1.25E-05	4.26E-06	6.54E-04	3.03E-04	1.10E-02	9.37E-04	1.56E-04	1.24E-02	2.88E-04	2.07E-08	1.25E-05	4.26E-06	3.05E-04
4473	490363.09	3858377.25	6.23E-04	2.21E-08	1.10E-05	3.98E-06	6.38E-04	2.96E-04	9.75E-03	8.24E-04	1.46E-04	1.10E-02	2.82E-04	1.83E-08	1.10E-05	3.98E-06	2.97E-04
4474	490863.09	3858377.25	5.93E-04	1.95E-08	9.87E-06	3.74E-06	6.06E-04	2.82E-04	8.59E-03	7.40E-04	1.37E-04	9.75E-03	2.68E-04	1.61E-08	9.87E-06	3.74E-06	2.82E-04
4475	491363.09	3858377.25	5.59E-04	1.57E-08	9.13E-06	3.60E-06	5.72E-04	2.66E-04	6.93E-03	6.85E-04	1.32E-04	8.01E-03	2.53E-04	1.30E-08	9.13E-06	3.60E-06	2.66E-04
4476	491863.09	3858377.25	4.82E-04	1.08E-08	9.27E-06	3.48E-06	4.94E-04	2.29E-04	4.77E-03	6.95E-04	1.28E-04	5.82E-03	2.18E-04	8.95E-09	9.27E-06	3.48E-06	2.31E-04
4477	492363.09	3858377.25	3.23E-04	7.17E-09	6.90E-06	2.83E-06	3.33E-04	1.54E-04	3.16E-03	5.18E-04	1.04E-04	3.93E-03	1.46E-04	5.93E-09	6.90E-06	2.83E-06	1.56E-04
4478	492863.09	3858377.25	3.49E-04	7.25E-09	6.84E-06	2.76E-06	3.59E-04	1.66E-04	3.19E-03	5.13E-04	1.01E-04	3.97E-03	1.58E-04	5.99E-09	6.84E-06	2.76E-06	1.68E-04
4479	493363.09	3858377.25	2.94E-04	6.13E-09	5.54E-06	2.47E-06	3.02E-04	1.40E-04	2.70E-03	4.16E-04	9.07E-05	3.35E-03	1.33E-04	5.07E-09	5.54E-06	2.47E-06	1.41E-04
4480	493863.09	3858377.25	2.67E-04	5.48E-09	4.89E-06	2.29E-06	2.74E-04	1.27E-04	2.41E-03	3.66E-04	8.40E-05	2.99E-03	1.21E-04	4.53E-09	4.89E-06	2.29E-06	1.28E-04
4481	494363.09	3858377.25	2.36E-04	4.82E-09	4.27E-06	2.12E-06	2.42E-04	1.12E-04	2.12E-03	3.20E-04	7.77E-05	2.63E-03	1.07E-04	3.98E-09	4.27E-06	2.12E-06	1.13E-04
4482	494863.09	3858377.25	2.11E-04	4.28E-09	3.84E-06	1.98E-06	2.17E-04	1.00E-04	1.89E-03	2.88E-04	7.24E-05	2.35E-03	9.54E-05	3.54E-09	3.84E-06	1.98E-06	1.01E-04
4483	495363.09	3858377.25	1.84E-04	3.75E-09	3.45E-06	1.83E-06	1.89E-04	8.73E-05	1.65E-03	2.59E-04	6.72E-05	2.06E-03	8.30E-05	3.09E-09	3.45E-06	1.83E-06	8.83E-05
4484	495863.09	3858377.25	1.79E-04	3.55E-09	3.27E-06	1.75E-06	1.84E-04	8.49E-05	1.57E-03	2.45E-04	6.41E-05	1.96E-03	8.08E-05	2.94E-09	3.27E-06	1.75E-06	8.58E-05
4485	496363.09	3858377.25	1.72E-04	3.35E-09	3.10E-06	1.67E-06	1.77E-04	8.18E-05	1.48E-03	2.32E-04	6.11E-05	1.85E-03	7.78E-05	2.77E-09	3.10E-06	1.67E-06	8.26E-05
4486	496863.09	3858377.25	1.80E-04	3.37E-09	3.03E-06	1.62E-06	1.84E-04	8.54E-05	1.48E-03	2.28E-04	5.96E-05	1.86E-03	8.12E-05	2.78E-09	3.03E-06	1.62E-06	8.59E-05
4487	497363.09	3858377.25	1.80E-04	3.28E-09	2.95E-06	1.57E-06	1.84E-04	8.53E-05	1.45E-03	2.21E-04	5.77E-05	1.81E-03	8.12E-05	2.71E-09	2.95E-06	1.57E-06	8.57E-05
4488	497863.09	3858377.25	1.96E-04	3.47E-09	2.98E-06	1.57E-06	2.01E-04	9.33E-05	1.53E-03	2.23E-04	5.74E-05	1.90E-03	8.88E-05	2.87E-09	2.98E-06	1.57E-06	9.33E-05
4489	498363.09	3858377.25	2.17E-04	3.81E-09	3.10E-06	1.59E-06	2.21E-04	1.03E-04	1.68E-03	2.32E-04	5.84E-05	2.07E-03	9.80E-05	3.15E-09	3.10E-06	1.59E-06	1.03E-04
4490	471363.09	3858877.25	3.64E-05	5.17E-10	3.12E-07	2.94E-07	3.70E-05	1.73E-05	2.28E-04	2.34E-05	1.08E-05	2.79E-04	1.65E-05	4.27E-10	3.12E-07	2.94E-07	1.71E-05
4491	471863.09	3858877.25	3.79E-05	5.24E-10	3.25E-07	3.07E-07	3.86E-05	1.80E-05	2.31E-04	2.44E-05	1.12E-05	2.84E-04	1.72E-05	4.32E-10	3.25E-07	3.07E-07	1.78E-05
4492	472363.09	3858877.25	4.07E-05	5.72E-10	3.39E-07	3.20E-07	4.13E-05	1.93E-05	2.52E-04	2.55E-05	1.17E-05	3.08E-04	1.84E-05	4.72E-10	3.39E-07	3.20E-07	1.91E-05
4493	472863.09	3858877.25	4.36E-05	6.11E-10	3.55E-07	3.33E-07	4.42E-05	2.07E-05	2.69E-04	2.66E-05	1.22E-05	3.29E-04	1.97E-05	5.05E-10	3.55E-07	3.33E-07	2.04E-05
4494	473363.09	3858877.25	4.76E-05	6.95E-10	3.67E-07	3.44E-07	4.83E-05	2.26E-05	3.06E-04	2.75E-05	1.26E-05	3.69E-04	2.15E-05	5.74E-10	3.67E-07	3.44E-07	2.22E-05
4495	473863.09	3858877.25	5.02E-05	6.81E-10	3.87E-07	3.58E-07	5.09E-05	2.39E-05	3.00E-04	2.90E-05	1.31E-05	3.66E-04	2.27E-05	5.62E-10	3.87E-07	3.58E-07	2.35E-05
4496	474363.09	3858877.25	4.94E-05	5.74E-10	4.39E-07	3.90E-07	5.02E-05	2.35E-05	2.53E-04	3.29E-05	1.43E-05	3.23E-04	2.24E-05	4.74E-10	4.39E-07	3.90E-07	2.32E-05
4497	474863.09	3858877.25	2.51E-05	2.97E-10	3.04E-07	3.20E-07	2.57E-05	1.19E-05	1.31E-04	2.28E-05	1.17E-05	1.77E-04	1.14E-05	2.45E-10	3.04E-07	3.20E-07	1.20E-05
4498	475363.09	3858877.25	1.79E-05	2.52E-10	2.81E-07	3.27E-07	1.85E-05	8.52E-06	1.11E-04	2.10E-05	1.20E-05	1.52E-04	8.11E-06	2.08E-10	2.81E-07	3.27E-07	8.72E-06
4499	475863.09	3858877.25	2.08E-05	2.80E-10	2.98E-07	3.47E-07	2.15E-05	9.90E-06	1.23E-04	2.23E-05	1.27E-05	1.68E-04	9.42E-06	2.32E-10	2.98E-07	3.47E-07	1.01E-05
4500	476363.09	3858877.25	1.25E-05	2.17E-10	2.71E-07	3.48E-07	1.31E-05	5.92E-06	9.58E-05	2.03E-05	1.28E-05	1.35E-04	5.64E-06	1.80E-10	2.71E-07	3.48E-07	6.26E-06
4501	476863.09	3858877.25	1.60E-05	2.56E-10	3.01E-07	3.71E-07	1.67E-05	7.62E-06	1.13E-04	2.26E-05	1.36E-05	1.57E-04	7.25E-06	2.11E-10	3.01E-07	3.71E-07	7.93E-06
4502	477363.09	3858877.25	1.70E-05	2.70E-10	3.05E-07	3.89E-07	1.77E-05	8.07E-06	1.19E-04	2.29E-05	1.43E-05	1.64E-04	7.68E-06	2.23E-10	3.05E-07	3.89E-07	8.38E-06
4503	477863.09	3858877.25	2.24E-05	3.20E-10	3.30E-07	4.14E-07	2.31E-05	1.07E-05	1.41E-04	2.47E-05	1.52E-05	1.91E-04	1.01E-05	2.64E-10	3.30E-07	4.14E-07	1.09E-05
4504	478363.09	3858877.25	5.31E-05	5.38E-10	5.18E-07	4.89E-07	5.41E-05	2.53E-05	2.37E-04	3.88E-05	1.79E-05	3.19E-04	2.40E-05	4.44E-10	5.18E-07	4.89E-07	2.50E-05
4505	478863.09	3858877.25	4.38E-05	4.91E-10	4.64E-07	4.90E-07	4.47E-05	2.08E-05	2.16E-04	3.48E-05	1.80E-05	2.90E-04	1.98E-05	4.06E-10	4.64E-07	4.90E-07	2.08E-05
4506	479363.09	3858877.25	3.44E-05	4.37E-10	4.00E-07	4.95E-07	3.53E-05	1.64E-05	1.92E-04	3.00E-05	1.82E-05	2.57E-04	1.56E-05	3.61E-10	4.00E-07	4.95E-07	1.65E-05
4507	479863.09	3858877.25	1.42E-04	1.80E-09	6.60E-07	6.34E-07	1.43E-04	6.75E-05	7.94E-04	4.95E-05	2.32E-05	9.34E-04	6.43E-05	1.49E-09	6.60E-07	6.34E-07	6.56E-05
4508	480363.09	3858877.25	1.58E-04	2.29E-09	6.22E-07	6.43E-07	1.60E-04	7.53E-05	1.01E-03	4.66E-05	2.36E-05	1.16E-03	7.17E-05	1.89E-09	6.22E-07	6.43E-07	7.30E-05
4509	480863.09	3858877.25	1.74E-04	2.73E-09	6.10E-07	6.57E-07	1.75E-04	8.28E-05	1.20E-03	4.57E-05	2.41E-05	1.35E-03	7.88E-05	2.25E-09	6.10E-07	6.57E-07	8.01E-05
4510	481363.09	3858877.25	1.92E-04	3.07E-09	6.33E-07	6.90E-07	1.93E-04	9.13E-05	1.35E-03	4.75E-05	2.53E-05	1.52E-03	8.69E-05	2.54E-09	6.33E-07	6.90E-07	8.82E-05

4511	481863.09	3858877.25	2.14E-04	3.52E-09	6.63E-07	7.24E-07	2.15E-04	1.02E-04	1.55E-03	4.97E-05	2.66E-05	1.73E-03	9.66E-05	2.91E-09	6.63E-07	7.24E-07	9.80E-05
4512	482363.09	3858877.25	2.38E-04	3.83E-09	7.18E-07	7.95E-07	2.39E-04	1.13E-04	1.69E-03	5.38E-05	2.91E-05	1.88E-03	1.08E-04	3.16E-09	7.18E-07	7.95E-07	1.09E-04
4513	482863.09	3858877.25	2.67E-04	4.53E-09	7.80E-07	8.18E-07	2.68E-04	1.27E-04	2.00E-03	5.85E-05	3.00E-05	2.21E-03	1.21E-04	3.74E-09	7.80E-07	8.18E-07	1.22E-04
4514	483363.09	3858877.25	2.73E-04	7.08E-09	8.53E-07	8.73E-07	2.75E-04	1.30E-04	3.12E-03	6.40E-05	3.20E-05	3.34E-03	1.23E-04	5.84E-09	8.53E-07	8.73E-07	1.25E-04
4515	483863.09	3858877.25	2.90E-04	8.22E-09	9.63E-07	9.59E-07	2.92E-04	1.38E-04	3.62E-03	7.22E-05	3.52E-05	3.86E-03	1.31E-04	6.79E-09	9.63E-07	9.59E-07	1.33E-04
4516	484363.09	3858877.25	3.16E-04	9.72E-09	1.11E-06	1.08E-06	3.18E-04	1.50E-04	4.28E-03	8.36E-05	3.98E-05	4.56E-03	1.43E-04	8.03E-09	1.11E-06	1.08E-06	1.45E-04
4517	484863.09	3858877.25	3.39E-04	1.20E-08	1.28E-06	1.23E-06	3.42E-04	1.61E-04	5.26E-03	9.61E-05	4.50E-05	5.57E-03	1.53E-04	9.87E-09	1.28E-06	1.23E-06	1.56E-04
4518	485363.09	3858877.25	3.54E-04	1.60E-08	1.43E-06	1.46E-06	3.57E-04	1.68E-04	7.03E-03	1.08E-04	5.36E-05	7.36E-03	1.60E-04	1.32E-08	1.43E-06	1.46E-06	1.63E-04
4519	485863.09	3858877.25	3.64E-04	2.56E-08	1.59E-06	2.01E-06	3.67E-04	1.73E-04	1.13E-02	1.20E-04	7.37E-05	1.17E-02	1.65E-04	2.12E-08	1.59E-06	2.01E-06	1.68E-04
4520	486363.09	3858877.25	3.55E-04	1.31E-07	1.75E-06	2.98E-06	3.60E-04	1.69E-04	5.78E-02	1.32E-04	1.09E-04	5.82E-02	1.61E-04	1.08E-07	1.75E-06	2.98E-06	1.66E-04
4521	486863.09	3858877.25	3.48E-04	1.91E-07	1.77E-06	7.05E-06	3.57E-04	1.66E-04	8.40E-02	1.33E-04	2.58E-04	8.45E-02	1.58E-04	1.58E-07	1.77E-06	7.05E-06	1.67E-04
4522	487363.09	3858877.25	3.70E-04	1.94E-07	1.60E-06	2.08E-05	3.93E-04	1.76E-04	8.54E-02	1.20E-04	7.62E-04	8.65E-02	1.68E-04	1.60E-07	1.60E-06	2.08E-05	1.90E-04
4523	487863.09	3858877.25	3.84E-04	9.39E-08	1.68E-06	1.25E-05	3.99E-04	1.83E-04	4.14E-02	1.26E-04	4.58E-04	4.21E-02	1.74E-04	7.76E-08	1.68E-06	1.25E-05	1.88E-04
4524	488363.09	3858877.25	4.06E-04	1.61E-07	1.70E-06	9.37E-06	4.18E-04	1.93E-04	7.08E-02	1.28E-04	3.44E-04	7.15E-02	1.84E-04	1.33E-07	1.70E-06	9.37E-06	1.95E-04
4525	488863.09	3858877.25	4.25E-04	7.62E-08	2.42E-06	7.95E-06	4.36E-04	2.02E-04	3.36E-02	1.81E-04	2.91E-04	3.42E-02	1.92E-04	6.30E-08	2.42E-06	7.95E-06	2.03E-04
4526	489363.09	3858877.25	4.01E-04	5.11E-08	3.67E-06	6.96E-06	4.12E-04	1.91E-04	2.25E-02	2.76E-04	2.55E-04	2.32E-02	1.82E-04	4.22E-08	3.67E-06	6.96E-06	1.92E-04
4527	489863.09	3858877.25	4.04E-04	3.86E-08	4.37E-06	6.00E-06	4.15E-04	1.92E-04	1.70E-02	3.28E-04	2.20E-04	1.77E-02	1.83E-04	3.19E-08	4.37E-06	6.00E-06	1.93E-04
4528	490363.09	3858877.25	4.31E-04	2.98E-08	4.60E-06	5.19E-06	4.41E-04	2.05E-04	1.31E-02	3.45E-04	1.90E-04	1.39E-02	1.95E-04	2.46E-08	4.60E-06	5.19E-06	2.05E-04
4529	490863.09	3858877.25	4.44E-04	2.17E-08	4.71E-06	4.60E-06	4.53E-04	2.11E-04	9.56E-03	3.53E-04	1.69E-04	1.03E-02	2.01E-04	1.79E-08	4.71E-06	4.60E-06	2.10E-04
4530	491363.09	3858877.25	4.13E-04	1.47E-08	5.51E-06	4.18E-06	4.23E-04	1.96E-04	6.50E-03	4.13E-04	1.53E-04	7.26E-03	1.87E-04	1.22E-08	5.51E-06	4.18E-06	1.97E-04
4531	491863.09	3858877.25	3.22E-04	1.01E-08	5.57E-06	3.55E-06	3.31E-04	1.53E-04	4.45E-03	4.18E-04	1.30E-04	5.16E-03	1.46E-04	8.35E-09	5.57E-06	3.55E-06	1.55E-04
4532	492363.09	3858877.25	3.48E-04	1.05E-08	5.40E-06	3.42E-06	3.57E-04	1.66E-04	4.63E-03	4.05E-04	1.25E-04	5.32E-03	1.58E-04	8.68E-09	5.40E-06	3.42E-06	1.66E-04
4533	492863.09	3858877.25	3.58E-04	1.11E-08	4.87E-06	3.16E-06	3.66E-04	1.70E-04	4.87E-03	3.66E-04	1.16E-04	5.52E-03	1.62E-04	9.13E-09	4.87E-06	3.16E-06	1.70E-04
4534	493363.09	3858877.25	3.32E-04	9.34E-09	4.85E-06	2.90E-06	3.39E-04	1.58E-04	4.11E-03	3.63E-04	1.06E-04	4.74E-03	1.50E-04	7.72E-09	4.85E-06	2.90E-06	1.58E-04
4535	493863.09	3858877.25	2.81E-04	7.28E-09	4.51E-06	2.53E-06	2.88E-04	1.34E-04	3.21E-03	3.38E-04	9.26E-05	3.77E-03	1.27E-04	6.01E-09	4.51E-06	2.53E-06	1.34E-04
4536	494363.09	3858877.25	2.61E-04	6.44E-09	4.36E-06	2.33E-06	2.67E-04	1.24E-04	2.84E-03	3.27E-04	8.56E-05	3.37E-03	1.18E-04	5.32E-09	4.36E-06	2.33E-06	1.25E-04
4537	494863.09	3858877.25	2.34E-04	5.60E-09	3.75E-06	2.09E-06	2.40E-04	1.11E-04	2.47E-03	2.81E-04	7.65E-05	2.94E-03	1.06E-04	4.63E-09	3.75E-06	2.09E-06	1.12E-04
4538	495363.09	3858877.25	2.10E-04	4.89E-09	3.34E-06	1.90E-06	2.16E-04	1.00E-04	2.15E-03	2.50E-04	6.97E-05	2.57E-03	9.52E-05	4.04E-09	3.34E-06	1.90E-06	1.00E-04
4539	495863.09	3858877.25	1.99E-04	4.48E-09	3.12E-06	1.77E-06	2.04E-04	9.46E-05	1.97E-03	2.34E-04	6.50E-05	2.37E-03	9.00E-05	3.70E-09	3.12E-06	1.77E-06	9.49E-05
4540	496363.09	3858877.25	1.96E-04	4.25E-09	3.01E-06	1.69E-06	2.00E-04	9.30E-05	1.87E-03	2.26E-04	6.18E-05	2.25E-03	8.85E-05	3.51E-09	3.01E-06	1.69E-06	9.32E-05
4541	496863.09	3858877.25	1.93E-04	4.06E-09	2.91E-06	1.61E-06	1.97E-04	9.16E-05	1.79E-03	2.18E-04	5.89E-05	2.16E-03	8.71E-05	3.35E-09	2.91E-06	1.61E-06	9.16E-05
4542	497363.09	3858877.25	1.89E-04	3.87E-09	2.79E-06	1.54E-06	1.93E-04	8.98E-05	1.70E-03	2.09E-04	5.63E-05	2.06E-03	8.54E-05	3.20E-09	2.79E-06	1.54E-06	8.98E-05
4543	497863.09	3858877.25	2.08E-04	4.16E-09	2.97E-06	1.54E-06	2.12E-04	9.87E-05	1.83E-03	2.23E-04	5.66E-05	2.21E-03	9.39E-05	3.44E-09	2.97E-06	1.54E-06	9.84E-05
4544	498363.09	3858877.25	2.20E-04	4.49E-09	3.09E-06	1.55E-06	2.24E-04	1.04E-04	1.98E-03	2.31E-04	5.68E-05	2.37E-03	9.93E-05	3.71E-09	3.09E-06	1.55E-06	1.04E-04
4545	471363.09	3859377.25	3.60E-05	5.15E-10	3.55E-07	3.00E-07	3.67E-05	1.71E-05	2.27E-04	2.67E-05	1.10E-05	2.82E-04	1.63E-05	4.25E-10	3.55E-07	3.00E-07	1.69E-05
4546	471863.09	3859377.25	3.84E-05	5.39E-10	3.67E-07	3.09E-07	3.90E-05	1.82E-05	2.38E-04	2.75E-05	1.13E-05	2.95E-04	1.74E-05	4.45E-10	3.67E-07	3.09E-07	1.80E-05
4547	472363.09	3859377.25	4.16E-05	5.92E-10	3.73E-07	3.18E-07	4.23E-05	1.98E-05	2.61E-04	2.79E-05	1.17E-05	3.20E-04	1.88E-05	4.89E-10	3.73E-07	3.18E-07	1.95E-05
4548	472863.09	3859377.25	4.48E-05	6.35E-10	3.79E-07	3.25E-07	4.55E-05	2.13E-05	2.80E-04	2.84E-05	1.19E-05	3.41E-04	2.03E-05	5.25E-10	3.79E-07	3.25E-07	2.10E-05
4549	473363.09	3859377.25	4.83E-05	6.96E-10	3.82E-07	3.34E-07	4.90E-05	2.30E-05	3.06E-04	2.86E-05	1.23E-05	3.70E-04	2.19E-05	5.75E-10	3.82E-07	3.34E-07	2.26E-05
4550	473863.09	3859377.25	5.14E-05	7.19E-10	3.95E-07	3.47E-07	5.22E-05	2.44E-05	3.17E-04	2.96E-05	1.27E-05	3.83E-04	2.33E-05	5.94E-10	3.95E-07	3.47E-07	2.40E-05
4551	474363.09	3859377.25	5.03E-05	5.85E-10	4.87E-07	3.79E-07	5.12E-05	2.39E-05	2.58E-04	3.65E-05	1.39E-05	3.32E-04	2.28E-05	4.83E-10	4.87E-07	3.79E-07	2.36E-05
4552	474863.09	3859377.25	3.98E-05	4.13E-10	4.07E-07	3.56E-07	4.06E-05	1.89E-05	1.82E-04	3.05E-05	1.30E-05	2.45E-04	1.80E-05	3.41E-10	4.07E-07	3.56E-07	1.88E-05
4553	475363.09	3859377.25	2.55E-05	3.00E-10	2.78E-07	3.33E-07	2.61E-05	1.21E-05	1.32E-04	2.09E-05	1.22E-05	1.78E-04	1.15E-05	2.48E-10	2.78E-07	3.33E-07	1.22E-05
4554	475863.09	3859377.25	1.57E-05	2.34E-10	2.47E-07	3.32E-07	1.63E-05	7.46E-06	1.03E-04	1.85E-05	1.22E-05	1.41E-04	7.09E-06	1.93E-10	2.47E-07	3.32E-07	7.67E-06
4555	476363.09	3859377.25	1.41E-05	2.22E-10	2.51E-07	3.37E-07	1.47E-05	6.71E-06	9.80E-05	1.88E-05	1.23E-05	1.36E-04	6.38E-06	1.84E-10	2.51E-07	3.37E-07	6.97E-06
4556	476863.09	3859377.25	1.13E-05	2.00E-10	2.53E-07	3.43E-07	1.19E-05	5.36E-06	8.82E-05	1.89E-05	1.26E-05	1.25E-04	5.10E-06	1.65E-10	2.53E-07	3.43E-07	5.70E-06
4557	477363.09	3859377.25	1.26E-05	2.17E-10	2.66E-07	3.57E-07	1.32E-05	5.98E-06	9.54E-05	2.00E-05	1.31E-05	1.34E-04	5.69E-06	1.79E-10	2.66E-07	3.57E-07	6.31E-06
4558	477863.09	3859377.25	2.63E-05	3.30E-10	3.05E-07	3.97E-07	2.70E-05	1.25E-05	1.46E-04	2.29E-05	1.46E-05	1.95E-04	1.19E-05	2.73E-10	3.05E-07	3.97E-07	1.26E-05
4559	478363.09	3859377.25	4.59E-05	4.71E-10	4.31E-07	4.53E-07	4.68E-05	2.18E-05	2.07E-04	3.23E-05	1.66E-05	2.78E-04	2.08E-05	3.89E-10	4.31E-07	4.53E-07	2.17E-05
4560	478863.09	3859377.25	7.88E-05	7.12E-10	7.27E-07	5.42E-07	8.01E-05	3.75E-05	3.14E-04	5.45E-05	1.99E-05	4.26E-04	3.57E-05	5.88E-10	7.27E-07	5.42E-07	3.69E-05
4561	479363.09	3859377.25	1.08E-04	1.06E-09	8.24E-07	6.00E-07	1.09E-04	5.13E-05	4.66E-04	6.18E-05	2.20E-05	6.01E-04	4.88E-05	8.74E-10	8.24E-07	6.00E-07	5.02E-05
4562	479863.09	3859377.25	1.28E-04	1.52E-09	7.16E-07	6.16E-07	1.29E-04	6.07E-05	6.67E-04	5.37E-05	2.26E-05	8.05E-04	5.78E-05	1.25E-09	7.16E-07	6.16E-07	5.91E-05
4563	480363.09	3859377.25	1.42E-04	2.10E-09	6.17E-07	6.02E-07	1.43E-04	6.74E-05	9.24E-04	4.62E-05	2.21E-05	1.06E-03	6.41E-05	1.73E-09	6.17E-07	6.02E-07	6.53E-05
4564	480863.09	3859377.25	1.54E-04	2.58E-09	6.23E-07	5.95E-07	1.55E-04	7.33E-05	1.14E-03	4.67E-05	2.18E-05	1.28E-03	6.98E-05	2.13E-09	6.23E-07	5.95E-07	7.10E-05
4565	481363.09	3859377.25	1.69E-04	3.00E-09	6.87E-07	6.06E-07	1.70E-04	8.02E-05	1.32E-03	5.15E-05	2.22E-05	1.48E-03	7.63E-05	2.48E-09	6.87E-07	6.06E-07	7.76E-05
4566	481863.09	3859377.25	1.84E-04	3.42E-09	7.71E-07	6.44E-07	1.86E-04	8.76E-05	1.51E-03	5.79E-05	2.36E-05	1.68E-03	8.33E-05	2.83E-09	7.71E-07	6.44E-07	8.47E-05
4567	482363.09	3859377.25	2.01E-04	3.78E-09	8.69E-07	6.66E-07	2.03E-04	9.58E-05	1.67E-03	6.52E-05	2.44E-05	1.85E-03	9.11E-05	3.12E-09	8.69E-07	6.66E-07	9.27E-05
4568	482863.09	3859377.25	2.18E-04	4.49E-09	9.52E-07	7.15E-07	2.20E-04	1.04E-04	1.98E-03	7.14E-05	2.62E-05	2.18E-03	9.86E-05	3.71E-09	9.52E-07	7.15E-07	1.00E-04
4569	483363.09	3859377.25	2.31E-04	5.79E-09	1.03E-06	7.52E-07	2.33E-04	1.10E-04	2.55E-03	7.69E-05	2.76E-05	2.77E-03	1.05E-04	4.78E-09	1.03E-06	7.52E-07	1.06E-04
4570	483863.09	3859377.25	2.38E-04	7.08E-09	1.06E-06	8.52E-07	2.40E-04	1.13E-04	3.12E-03	7.98E-05	3.13E-05	3.34E-03	1.08E-04	5.85E-09	1.06E-06	8.52E-07	1.10E-04
4571	484363.09	3859377.25	2.55E-04	8.35E-09	1.13E-06	9.44E-07	2.57E-04	1.21E-04	3.68E-03	8.51E-05	3.46E-05	3.92E-03	1.15E-04	6.90E-09	1.13E-06	9.44E-07	1.17E-04

4572	484863.09	3859377.25	2.69E-04	1.02E-08	1.21E-06	1.07E-06	2.72E-04	1.28E-04	4.48E-03	9.08E-05	3.94E-05	4.74E-03	1.22E-04	8.40E-09	1.21E-06	1.07E-06	1.24E-04
4573	485363.09	3859377.25	2.71E-04	1.32E-08	1.30E-06	1.29E-06	2.73E-04	1.29E-04	5.80E-03	9.76E-05	4.72E-05	6.07E-03	1.23E-04	1.09E-08	1.30E-06	1.29E-06	1.25E-04
4574	485863.09	3859377.25	2.67E-04	1.87E-08	1.36E-06	1.58E-06	2.70E-04	1.27E-04	8.23E-03	1.02E-04	5.78E-05	8.52E-03	1.21E-04	1.54E-08	1.36E-06	1.58E-06	1.24E-04
4575	486363.09	3859377.25	2.65E-04	3.09E-08	1.26E-06	2.24E-06	2.69E-04	1.26E-04	1.36E-02	9.43E-05	8.22E-05	1.39E-02	1.20E-04	2.55E-08	1.26E-06	2.24E-06	1.23E-04
4576	486863.09	3859377.25	2.58E-04	1.26E-07	1.06E-06	3.88E-06	2.63E-04	1.22E-04	5.57E-02	7.98E-05	1.42E-04	5.60E-02	1.17E-04	1.04E-07	1.06E-06	3.88E-06	1.22E-04
4577	487363.09	3859377.25	2.67E-04	1.65E-07	9.07E-07	6.48E-06	2.74E-04	1.27E-04	7.29E-02	6.80E-05	2.38E-04	7.33E-02	1.21E-04	1.37E-07	9.07E-07	6.48E-06	1.28E-04
4578	487863.09	3859377.25	2.76E-04	1.77E-07	9.86E-07	8.50E-06	2.86E-04	1.31E-04	7.80E-02	7.39E-05	3.12E-04	7.85E-02	1.25E-04	1.46E-07	9.86E-07	8.50E-06	1.35E-04
4579	488363.09	3859377.25	2.91E-04	2.07E-07	9.75E-07	1.43E-05	3.06E-04	1.38E-04	9.13E-02	7.31E-05	5.25E-04	9.20E-02	1.32E-04	1.71E-07	9.75E-07	1.43E-05	1.47E-04
4580	488863.09	3859377.25	3.03E-04	1.36E-07	1.17E-06	1.71E-05	3.22E-04	1.44E-04	5.97E-02	8.80E-05	6.26E-04	6.06E-02	1.37E-04	1.12E-07	1.17E-06	1.71E-05	1.56E-04
4581	489363.09	3859377.25	3.17E-04	6.67E-08	1.53E-06	1.19E-05	3.31E-04	1.51E-04	2.94E-02	1.15E-04	4.38E-04	3.01E-02	1.44E-04	5.51E-08	1.53E-06	1.19E-05	1.57E-04
4582	489863.09	3859377.25	2.99E-04	4.62E-08	1.92E-06	8.21E-06	3.10E-04	1.42E-04	2.03E-02	1.44E-04	3.01E-04	2.09E-02	1.35E-04	3.81E-08	1.92E-06	8.21E-06	1.46E-04
4583	490363.09	3859377.25	2.93E-04	3.46E-08	2.21E-06	6.15E-06	3.02E-04	1.39E-04	1.52E-02	1.66E-04	2.26E-04	1.58E-02	1.33E-04	2.86E-08	2.21E-06	6.15E-06	1.41E-04
4584	490863.09	3859377.25	3.07E-04	2.47E-08	2.36E-06	5.02E-06	3.15E-04	1.46E-04	1.09E-02	1.77E-04	1.84E-04	1.14E-02	1.39E-04	2.04E-08	2.36E-06	5.02E-06	1.46E-04
4585	491363.09	3859377.25	3.07E-04	1.53E-08	2.74E-06	4.41E-06	3.15E-04	1.46E-04	6.72E-03	2.05E-04	1.62E-04	7.23E-03	1.39E-04	1.26E-08	2.74E-06	4.41E-06	1.46E-04
4586	491863.09	3859377.25	3.26E-04	1.63E-08	2.76E-06	3.73E-06	3.32E-04	1.55E-04	7.20E-03	2.07E-04	1.37E-04	7.70E-03	1.47E-04	1.35E-08	2.76E-06	3.73E-06	1.54E-04
4587	492363.09	3859377.25	3.18E-04	1.44E-08	2.87E-06	3.29E-06	3.24E-04	1.51E-04	6.34E-03	2.15E-04	1.21E-04	6.83E-03	1.44E-04	1.19E-08	2.87E-06	3.29E-06	1.50E-04
4588	492863.09	3859377.25	3.05E-04	1.31E-08	2.93E-06	2.95E-06	3.11E-04	1.45E-04	5.76E-03	2.20E-04	1.08E-04	6.23E-03	1.38E-04	1.08E-08	2.93E-06	2.95E-06	1.44E-04
4589	493363.09	3859377.25	2.87E-04	1.08E-08	3.15E-06	2.71E-06	2.93E-04	1.37E-04	4.77E-03	2.36E-04	9.93E-05	5.25E-03	1.30E-04	8.95E-09	3.15E-06	2.71E-06	1.36E-04
4590	493863.09	3859377.25	2.76E-04	9.80E-09	3.13E-06	2.50E-06	2.82E-04	1.31E-04	4.32E-03	2.34E-04	9.16E-05	4.77E-03	1.25E-04	8.10E-09	3.13E-06	2.50E-06	1.30E-04
4591	494363.09	3859377.25	2.62E-04	8.51E-09	3.13E-06	2.30E-06	2.68E-04	1.25E-04	3.75E-03	2.35E-04	8.44E-05	4.19E-03	1.19E-04	7.03E-09	3.13E-06	2.30E-06	1.24E-04
4592	494863.09	3859377.25	2.37E-04	6.86E-09	3.09E-06	2.07E-06	2.42E-04	1.13E-04	3.02E-03	2.32E-04	7.61E-05	3.44E-03	1.07E-04	5.67E-09	3.09E-06	2.07E-06	1.13E-04
4593	495363.09	3859377.25	2.27E-04	6.28E-09	2.97E-06	1.93E-06	2.32E-04	1.08E-04	2.76E-03	2.23E-04	7.06E-05	3.17E-03	1.03E-04	5.18E-09	2.97E-06	1.93E-06	1.08E-04
4594	495863.09	3859377.25	2.13E-04	5.58E-09	2.84E-06	1.77E-06	2.17E-04	1.01E-04	2.46E-03	2.13E-04	6.49E-05	2.84E-03	9.62E-05	4.61E-09	2.84E-06	1.77E-06	1.01E-04
4595	496363.09	3859377.25	2.10E-04	5.33E-09	2.82E-06	1.68E-06	2.15E-04	9.99E-05	2.35E-03	2.11E-04	6.16E-05	2.72E-03	9.50E-05	4.40E-09	2.82E-06	1.68E-06	9.95E-05
4596	496863.09	3859377.25	1.93E-04	4.63E-09	2.65E-06	1.53E-06	1.97E-04	9.17E-05	2.04E-03	1.98E-04	5.62E-05	2.39E-03	8.72E-05	3.83E-09	2.65E-06	1.53E-06	9.14E-05
4597	497363.09	3859377.25	1.97E-04	4.66E-09	2.72E-06	1.50E-06	2.02E-04	9.39E-05	2.05E-03	2.04E-04	5.49E-05	2.40E-03	8.93E-05	3.85E-09	2.72E-06	1.50E-06	9.35E-05
4598	497863.09	3859377.25	2.05E-04	4.96E-09	2.76E-06	1.49E-06	2.09E-04	9.75E-05	2.19E-03	2.07E-04	5.45E-05	2.54E-03	9.28E-05	4.10E-09	2.76E-06	1.49E-06	9.71E-05
4599	498363.09	3859377.25	2.05E-04	5.14E-09	2.66E-06	1.44E-06	2.09E-04	9.75E-05	2.26E-03	1.99E-04	5.27E-05	2.61E-03	9.28E-05	4.25E-09	2.66E-06	1.44E-06	9.69E-05
4600	471363.09	3859877.25	3.76E-05	5.51E-10	3.11E-07	2.90E-07	3.82E-05	1.79E-05	2.43E-04	2.33E-05	1.06E-05	2.94E-04	1.70E-05	4.55E-10	3.11E-07	2.90E-07	1.76E-05
4601	471863.09	3859877.25	4.02E-05	5.86E-10	3.12E-07	2.97E-07	4.08E-05	1.91E-05	2.58E-04	2.34E-05	1.09E-05	3.11E-04	1.82E-05	4.84E-10	3.12E-07	2.97E-07	1.88E-05
4602	472363.09	3859877.25	4.26E-05	6.13E-10	3.16E-07	3.07E-07	4.33E-05	2.03E-05	2.70E-04	2.37E-05	1.12E-05	3.25E-04	1.93E-05	5.06E-10	3.16E-07	3.07E-07	1.99E-05
4603	472863.09	3859877.25	4.57E-05	6.74E-10	3.13E-07	3.17E-07	4.63E-05	2.17E-05	2.97E-04	2.35E-05	1.16E-05	3.54E-04	2.07E-05	5.57E-10	3.13E-07	3.17E-07	2.13E-05
4604	473363.09	3859877.25	4.88E-05	7.37E-10	3.11E-07	3.28E-07	4.94E-05	2.32E-05	3.24E-04	2.33E-05	1.20E-05	3.83E-04	2.21E-05	6.09E-10	3.11E-07	3.28E-07	2.27E-05
4605	473863.09	3859877.25	5.19E-05	7.85E-10	3.17E-07	3.42E-07	5.26E-05	2.47E-05	3.46E-04	2.38E-05	1.25E-05	4.07E-04	2.35E-05	6.48E-10	3.17E-07	3.42E-07	2.41E-05
4606	474363.09	3859877.25	5.25E-05	6.69E-10	4.46E-07	3.87E-07	5.33E-05	2.49E-05	2.95E-04	3.35E-05	1.42E-05	3.67E-04	2.37E-05	5.52E-10	4.46E-07	3.87E-07	2.46E-05
4607	474863.09	3859877.25	4.93E-05	5.30E-10	4.86E-07	3.84E-07	5.02E-05	2.35E-05	2.33E-04	3.65E-05	1.41E-05	3.07E-04	2.23E-05	4.38E-10	4.86E-07	3.84E-07	2.32E-05
4608	475363.09	3859877.25	3.25E-05	3.38E-10	3.08E-07	3.33E-07	3.31E-05	1.54E-05	1.49E-04	2.31E-05	1.22E-05	1.99E-04	1.47E-05	2.79E-10	3.08E-07	3.33E-07	1.53E-05
4609	475863.09	3859877.25	1.54E-05	2.18E-10	2.42E-07	3.16E-07	1.60E-05	7.34E-06	9.61E-05	1.82E-05	1.16E-05	1.33E-04	6.99E-06	1.80E-10	2.42E-07	3.16E-07	7.55E-06
4610	476363.09	3859877.25	8.84E-06	1.61E-10	2.38E-07	3.06E-07	9.39E-06	4.20E-06	7.09E-05	1.79E-05	1.12E-05	1.04E-04	4.00E-06	1.33E-10	2.38E-07	3.06E-07	4.54E-06
4611	476863.09	3859877.25	1.05E-05	1.82E-10	2.69E-07	3.25E-07	1.11E-05	4.99E-06	8.03E-05	2.02E-05	1.19E-05	1.17E-04	4.75E-06	1.51E-10	2.69E-07	3.25E-07	5.34E-06
4612	477363.09	3859877.25	1.16E-05	1.95E-10	2.92E-07	3.38E-07	1.22E-05	5.49E-06	8.60E-05	2.19E-05	1.24E-05	1.26E-04	5.23E-06	1.61E-10	2.92E-07	3.38E-07	5.86E-06
4613	477863.09	3859877.25	2.32E-05	2.95E-10	3.35E-07	3.78E-07	2.39E-05	1.10E-05	1.30E-04	2.51E-05	1.39E-05	1.80E-04	1.05E-05	2.43E-10	3.35E-07	3.78E-07	1.12E-05
4614	478363.09	3859877.25	4.59E-05	4.55E-10	5.31E-07	4.33E-07	4.69E-05	2.18E-05	2.00E-04	3.98E-05	1.59E-05	2.78E-04	2.08E-05	3.76E-10	5.31E-07	4.33E-07	2.18E-05
4615	478863.09	3859877.25	7.58E-05	7.04E-10	9.25E-07	5.16E-07	7.73E-05	3.60E-05	3.10E-04	6.94E-05	1.89E-05	4.34E-04	3.43E-05	5.81E-10	9.25E-07	5.16E-07	3.57E-05
4616	479363.09	3859877.25	1.02E-04	1.13E-09	9.52E-07	5.80E-07	1.04E-04	4.85E-05	4.99E-04	7.14E-05	2.13E-05	6.40E-04	4.62E-05	9.36E-10	9.52E-07	5.80E-07	4.77E-05
4617	479863.09	3859877.25	1.16E-04	1.61E-09	7.91E-07	5.72E-07	1.17E-04	5.50E-05	7.08E-04	5.93E-05	2.10E-05	8.44E-04	5.24E-05	1.33E-09	7.91E-07	5.72E-07	5.37E-05
4618	480363.09	3859877.25	1.26E-04	2.14E-09	7.24E-07	5.32E-07	1.27E-04	6.00E-05	9.41E-04	5.43E-05	1.95E-05	1.07E-03	5.71E-05	1.76E-09	7.24E-07	5.32E-07	5.84E-05
4619	480863.09	3859877.25	1.37E-04	2.54E-09	7.59E-07	5.31E-07	1.38E-04	6.50E-05	1.12E-03	5.70E-05	1.95E-05	1.26E-03	6.18E-05	2.09E-09	7.59E-07	5.31E-07	6.31E-05
4620	481363.09	3859877.25	1.46E-04	2.90E-09	8.02E-07	5.48E-07	1.47E-04	6.94E-05	1.28E-03	6.01E-05	2.01E-05	1.43E-03	6.60E-05	2.40E-09	8.02E-07	5.48E-07	6.74E-05
4621	481863.09	3859877.25	1.56E-04	3.26E-09	8.46E-07	5.74E-07	1.58E-04	7.43E-05	1.44E-03	6.35E-05	2.11E-05	1.60E-03	7.07E-05	2.70E-09	8.46E-07	5.74E-07	7.21E-05
4622	482363.09	3859877.25	1.70E-04	3.69E-09	8.85E-07	6.02E-07	1.72E-04	8.09E-05	1.63E-03	6.64E-05	2.21E-05	1.79E-03	7.70E-05	3.05E-09	8.85E-07	6.02E-07	7.85E-05
4623	482863.09	3859877.25	1.85E-04	4.21E-09	9.20E-07	6.42E-07	1.86E-04	8.78E-05	1.85E-03	6.90E-05	2.36E-05	2.04E-03	8.36E-05	3.48E-09	9.20E-07	6.42E-07	8.51E-05
4624	483363.09	3859877.25	1.99E-04	4.85E-09	9.49E-07	6.81E-07	2.00E-04	9.45E-05	2.14E-03	7.12E-05	2.50E-05	2.33E-03	8.99E-05	4.01E-09	9.49E-07	6.81E-07	9.15E-05
4625	483863.09	3859877.25	2.02E-04	6.14E-09	9.75E-07	7.52E-07	2.04E-04	9.61E-05	2.70E-03	7.32E-05	2.76E-05	2.90E-03	9.14E-05	5.07E-09	9.75E-07	7.52E-07	9.31E-05
4626	484363.09	3859877.25	2.10E-04	7.15E-09	1.04E-06	8.32E-07	2.12E-04	1.00E-04	3.15E-03	7.81E-05	3.05E-05	3.36E-03	9.51E-05	5.90E-09	1.04E-06	8.32E-07	9.70E-05
4627	484863.09	3859877.25	2.16E-04	8.50E-09	1.11E-06	9.31E-07	2.18E-04	1.02E-04	3.74E-03	8.34E-05	3.41E-05	3.96E-03	9.75E-05	7.02E-09	1.11E-06	9.31E-07	9.96E-05
4628	485363.09	3859877.25	2.13E-04	1.05E-08	1.13E-06	1.02E-06	2.15E-04	1.01E-04	4.61E-03	8.47E-05	3.76E-05	4.84E-03	9.63E-05	8.65E-09	1.13E-06	1.02E-06	9.84E-05
4629	485863.09	3859877.25	2.08E-04	1.35E-08	1.03E-06	1.23E-06	2.10E-04	9.89E-05	5.94E-03	7.76E-05	4.50E-05	6.16E-03	9.41E-05	1.11E-08	1.03E-06	1.23E-06	9.63E-05
4630	486363.09	3859877.25	2.06E-04	1.76E-08	8.89E-07	1.58E-06	2.08E-04	9.79E-05	7.77E-03	6.67E-05	5.78E-05	7.99E-03	9.31E-05	1.46E-08	8.89E-07	1.58E-06	9.56E-05
4631	486863.09	3859877.25	2.04E-04	2.36E-08	7.29E-07	2.19E-06	2.07E-04	9.69E-05	1.04E-02	5.47E-05	8.02E-05	1.06E-02	9.23E-05	1.95E-08	7.29E-07	2.19E-06	9.52E-05
4632	487363.09	3859877.25	2.06E-04	3.50E-08	6.57E-07	3.35E-06	2.10E-04	9.79E-05	1.54E-02	4.93E-05	1.23E-04	1.57E-02	9.32E-05	2.89E-08	6.57E-07	3.35E-06	9.72E-05

4633	487863.09	3859877.25	2.14E-04	1.48E-07	8.05E-07	7.11E-06	2.22E-04	1.02E-04	6.50E-02	6.04E-05	2.61E-04	6.54E-02	9.70E-05	1.22E-07	8.05E-07	7.11E-06	1.05E-04
4634	488363.09	3859877.25	2.20E-04	1.83E-07	7.58E-07	1.33E-05	2.34E-04	1.05E-04	8.04E-02	5.68E-05	4.87E-04	8.11E-02	9.96E-05	1.51E-07	7.58E-07	1.33E-05	1.14E-04
4635	488863.09	3859877.25	2.30E-04	7.78E-08	7.31E-07	2.47E-05	2.55E-04	1.09E-04	3.43E-02	5.49E-05	9.05E-04	3.53E-02	1.04E-04	6.43E-08	7.31E-07	2.47E-05	1.29E-04
4636	489363.09	3859877.25	2.37E-04	5.65E-08	1.06E-06	1.27E-05	2.50E-04	1.13E-04	2.49E-02	7.93E-05	4.64E-04	2.56E-02	1.07E-04	4.67E-08	1.06E-06	1.27E-05	1.21E-04
4637	489863.09	3859877.25	2.47E-04	4.42E-08	1.19E-06	7.67E-06	2.56E-04	1.17E-04	1.95E-02	8.95E-05	2.81E-04	2.00E-02	1.12E-04	3.65E-08	1.19E-06	7.67E-06	1.21E-04
4638	490363.09	3859877.25	2.32E-04	3.58E-08	1.34E-06	5.43E-06	2.39E-04	1.11E-04	1.58E-02	1.01E-04	1.99E-04	1.62E-02	1.05E-04	2.96E-08	1.34E-06	5.43E-06	1.12E-04
4639	490863.09	3859877.25	2.25E-04	2.85E-08	1.48E-06	4.15E-06	2.31E-04	1.07E-04	1.26E-02	1.11E-04	1.52E-04	1.29E-02	1.02E-04	2.36E-08	1.48E-06	4.15E-06	1.08E-04
4640	491363.09	3859877.25	2.26E-04	2.38E-08	1.60E-06	3.44E-06	2.31E-04	1.07E-04	1.05E-02	1.20E-04	1.26E-04	1.08E-02	1.02E-04	1.97E-08	1.60E-06	3.44E-06	1.07E-04
4641	491863.09	3859877.25	2.37E-04	2.00E-08	1.67E-06	2.95E-06	2.42E-04	1.13E-04	8.79E-03	1.25E-04	1.08E-04	9.13E-03	1.07E-04	1.65E-08	1.67E-06	2.95E-06	1.12E-04
4642	492363.09	3859877.25	2.49E-04	1.70E-08	1.77E-06	2.61E-06	2.53E-04	1.18E-04	7.50E-03	1.33E-04	9.56E-05	7.84E-03	1.13E-04	1.41E-08	1.77E-06	2.61E-06	1.17E-04
4643	492863.09	3859877.25	2.54E-04	1.43E-08	1.84E-06	2.36E-06	2.58E-04	1.21E-04	6.28E-03	1.38E-04	8.66E-05	6.62E-03	1.15E-04	1.18E-08	1.84E-06	2.36E-06	1.19E-04
4644	493363.09	3859877.25	2.49E-04	1.24E-08	1.89E-06	2.16E-06	2.53E-04	1.18E-04	5.46E-03	1.42E-04	7.93E-05	5.80E-03	1.13E-04	1.02E-08	1.89E-06	2.16E-06	1.17E-04
4645	493863.09	3859877.25	2.41E-04	1.09E-08	1.94E-06	2.00E-06	2.45E-04	1.14E-04	4.80E-03	1.46E-04	7.34E-05	5.14E-03	1.09E-04	9.01E-09	1.94E-06	2.00E-06	1.13E-04
4646	494363.09	3859877.25	2.30E-04	9.43E-09	2.05E-06	1.88E-06	2.34E-04	1.09E-04	4.15E-03	1.53E-04	6.89E-05	4.48E-03	1.04E-04	7.79E-09	2.05E-06	1.88E-06	1.08E-04
4647	494863.09	3859877.25	2.22E-04	8.56E-09	2.10E-06	1.76E-06	2.25E-04	1.05E-04	3.77E-03	1.58E-04	6.47E-05	4.10E-03	1.00E-04	7.07E-09	2.10E-06	1.76E-06	1.04E-04
4648	495363.09	3859877.25	2.14E-04	7.60E-09	2.18E-06	1.67E-06	2.18E-04	1.02E-04	3.35E-03	1.64E-04	6.14E-05	3.67E-03	9.67E-05	6.28E-09	2.18E-06	1.67E-06	1.01E-04
4649	495863.09	3859877.25	2.06E-04	6.73E-09	2.25E-06	1.59E-06	2.10E-04	9.78E-05	2.96E-03	1.69E-04	5.84E-05	3.29E-03	9.31E-05	5.56E-09	2.25E-06	1.59E-06	9.69E-05
4650	496363.09	3859877.25	1.93E-04	5.68E-09	2.31E-06	1.50E-06	1.97E-04	9.17E-05	2.50E-03	1.73E-04	5.50E-05	2.82E-03	8.73E-05	4.69E-09	2.31E-06	1.50E-06	9.11E-05
4651	496863.09	3859877.25	1.56E-04	4.13E-09	1.97E-06	1.28E-06	1.59E-04	7.43E-05	1.82E-03	1.48E-04	4.68E-05	2.09E-03	7.07E-05	3.41E-09	1.97E-06	1.28E-06	7.39E-05
4652	497363.09	3859877.25	1.77E-04	4.75E-09	2.17E-06	1.35E-06	1.81E-04	8.42E-05	2.09E-03	1.63E-04	4.93E-05	2.39E-03	8.01E-05	3.92E-09	2.17E-06	1.35E-06	8.37E-05
4653	497863.09	3859877.25	1.84E-04	5.32E-09	2.06E-06	1.32E-06	1.87E-04	8.73E-05	2.34E-03	1.54E-04	4.85E-05	2.63E-03	8.31E-05	4.39E-09	2.06E-06	1.32E-06	8.65E-05
4654	498363.09	3859877.25	1.82E-04	5.43E-09	2.01E-06	1.25E-06	1.85E-04	8.64E-05	2.39E-03	1.51E-04	4.58E-05	2.67E-03	8.23E-05	4.48E-09	2.01E-06	1.25E-06	8.55E-05
4655	471363.09	3860377.25	3.86E-05	5.88E-10	2.61E-07	2.81E-07	3.91E-05	1.84E-05	2.59E-04	1.96E-05	1.03E-05	3.07E-04	1.75E-05	4.86E-10	2.61E-07	2.81E-07	1.80E-05
4656	471863.09	3860377.25	4.09E-05	6.24E-10	2.69E-07	2.91E-07	4.14E-05	1.94E-05	2.75E-04	2.02E-05	1.07E-05	3.25E-04	1.85E-05	5.15E-10	2.69E-07	2.91E-07	1.91E-05
4657	472363.09	3860377.25	4.34E-05	6.73E-10	2.75E-07	3.01E-07	4.40E-05	2.06E-05	2.96E-04	2.06E-05	1.11E-05	3.49E-04	1.96E-05	5.56E-10	2.75E-07	3.01E-07	2.02E-05
4658	472863.09	3860377.25	4.62E-05	7.35E-10	2.80E-07	3.10E-07	4.68E-05	2.20E-05	3.24E-04	2.10E-05	1.14E-05	3.78E-04	2.09E-05	6.07E-10	2.80E-07	3.10E-07	2.15E-05
4659	473363.09	3860377.25	4.94E-05	7.88E-10	2.91E-07	3.19E-07	5.00E-05	2.35E-05	3.47E-04	2.18E-05	1.17E-05	4.04E-04	2.23E-05	6.50E-10	2.91E-07	3.19E-07	2.29E-05
4660	473863.09	3860377.25	5.31E-05	8.20E-10	3.14E-07	3.29E-07	5.37E-05	2.52E-05	3.61E-04	2.35E-05	1.21E-05	4.22E-04	2.40E-05	6.78E-10	3.14E-07	3.29E-07	2.46E-05
4661	474363.09	3860377.25	5.68E-05	7.92E-10	3.69E-07	3.46E-07	5.76E-05	2.70E-05	3.49E-04	2.77E-05	1.27E-05	4.16E-04	2.57E-05	6.54E-10	3.69E-07	3.46E-07	2.64E-05
4662	474863.09	3860377.25	5.93E-05	7.12E-10	5.62E-07	3.91E-07	6.03E-05	2.82E-05	3.13E-04	4.22E-05	1.43E-05	3.98E-04	2.68E-05	5.88E-10	5.62E-07	3.91E-07	2.78E-05
4663	475363.09	3860377.25	5.63E-05	5.74E-10	6.71E-07	3.87E-07	5.73E-05	2.68E-05	2.53E-04	5.03E-05	1.42E-05	3.44E-04	2.55E-05	4.74E-10	6.71E-07	3.87E-07	2.65E-05
4664	475863.09	3860377.25	4.86E-05	4.61E-10	5.90E-07	3.64E-07	4.96E-05	2.31E-05	2.03E-04	4.43E-05	1.34E-05	2.84E-04	2.20E-05	3.80E-10	5.90E-07	3.64E-07	2.30E-05
4665	476363.09	3860377.25	3.77E-05	3.69E-10	4.54E-07	3.48E-07	3.85E-05	1.79E-05	1.63E-04	3.41E-05	1.28E-05	2.27E-04	1.71E-05	3.05E-10	4.54E-07	3.48E-07	1.79E-05
4666	476863.09	3860377.25	3.33E-05	3.42E-10	4.31E-07	3.54E-07	3.41E-05	1.58E-05	1.51E-04	3.23E-05	1.30E-05	2.12E-04	1.51E-05	2.82E-10	4.31E-07	3.54E-07	1.59E-05
4667	477363.09	3860377.25	1.88E-05	2.45E-10	3.69E-07	3.40E-07	1.95E-05	8.95E-06	1.08E-04	2.77E-05	1.25E-05	1.57E-04	8.52E-06	2.02E-10	3.69E-07	3.40E-07	9.23E-06
4668	477863.09	3860377.25	2.51E-05	2.92E-10	4.27E-07	3.61E-07	2.59E-05	1.19E-05	1.29E-04	3.20E-05	1.32E-05	1.86E-04	1.13E-05	2.41E-10	4.27E-07	3.61E-07	1.21E-05
4669	478363.09	3860377.25	5.05E-05	4.78E-10	6.69E-07	4.26E-07	5.16E-05	2.40E-05	2.10E-04	5.02E-05	1.56E-05	3.00E-04	2.28E-05	3.95E-10	6.69E-07	4.26E-07	2.39E-05
4670	478863.09	3860377.25	7.32E-05	7.20E-10	7.59E-07	4.72E-07	7.44E-05	3.48E-05	3.17E-04	5.69E-05	1.73E-05	4.26E-04	3.31E-05	5.95E-10	7.59E-07	4.72E-07	3.43E-05
4671	479363.09	3860377.25	9.29E-05	1.11E-09	7.73E-07	5.17E-07	9.42E-05	4.42E-05	4.90E-04	5.80E-05	1.89E-05	6.12E-04	4.20E-05	9.20E-10	7.73E-07	5.17E-07	4.33E-05
4672	479863.09	3860377.25	1.05E-04	1.63E-09	7.26E-07	5.03E-07	1.06E-04	4.97E-05	7.19E-04	5.45E-05	1.84E-05	8.41E-04	4.73E-05	1.35E-09	7.26E-07	5.03E-07	4.85E-05
4673	480363.09	3860377.25	1.12E-04	2.10E-09	7.23E-07	4.87E-07	1.13E-04	5.32E-05	9.26E-04	5.42E-05	1.78E-05	1.05E-03	5.06E-05	1.74E-09	7.23E-07	4.87E-07	5.19E-05
4674	480863.09	3860377.25	1.18E-04	2.46E-09	7.40E-07	4.89E-07	1.19E-04	5.61E-05	1.08E-03	5.55E-05	1.79E-05	1.21E-03	5.34E-05	2.03E-09	7.40E-07	4.89E-07	5.46E-05
4675	481363.09	3860377.25	1.26E-04	2.76E-09	7.64E-07	5.12E-07	1.27E-04	5.98E-05	1.22E-03	5.73E-05	1.88E-05	1.35E-03	5.69E-05	2.28E-09	7.64E-07	5.12E-07	5.82E-05
4676	481863.09	3860377.25	1.37E-04	3.15E-09	7.80E-07	5.28E-07	1.39E-04	6.52E-05	1.39E-03	5.85E-05	1.94E-05	1.53E-03	6.21E-05	2.60E-09	7.80E-07	5.28E-07	6.34E-05
4677	482363.09	3860377.25	1.50E-04	3.49E-09	7.98E-07	5.56E-07	1.51E-04	7.11E-05	1.54E-03	5.98E-05	2.04E-05	1.69E-03	6.77E-05	2.88E-09	7.98E-07	5.56E-07	6.90E-05
4678	482863.09	3860377.25	1.59E-04	3.86E-09	8.36E-07	5.83E-07	1.61E-04	7.57E-05	1.70E-03	6.27E-05	2.14E-05	1.86E-03	7.20E-05	3.19E-09	8.36E-07	5.83E-07	7.35E-05
4679	483363.09	3860377.25	1.69E-04	4.50E-09	9.01E-07	6.23E-07	1.70E-04	8.03E-05	1.98E-03	6.76E-05	2.29E-05	2.15E-03	7.64E-05	3.72E-09	9.01E-07	6.23E-07	7.80E-05
4680	483863.09	3860377.25	1.79E-04	5.06E-09	9.61E-07	6.78E-07	1.81E-04	8.53E-05	2.23E-03	7.21E-05	2.48E-05	2.41E-03	8.12E-05	4.18E-09	9.61E-07	6.78E-07	8.28E-05
4681	484363.09	3860377.25	1.76E-04	6.03E-09	9.62E-07	7.40E-07	1.78E-04	8.38E-05	2.66E-03	7.21E-05	2.71E-05	2.84E-03	7.97E-05	4.98E-09	9.62E-07	7.40E-07	8.14E-05
4682	484863.09	3860377.25	1.77E-04	7.01E-09	9.57E-07	7.76E-07	1.79E-04	8.43E-05	3.09E-03	7.18E-05	2.84E-05	3.27E-03	8.02E-05	5.79E-09	9.57E-07	7.76E-07	8.20E-05
4683	485363.09	3860377.25	1.71E-04	8.33E-09	8.81E-07	8.27E-07	1.73E-04	8.13E-05	3.67E-03	6.61E-05	3.03E-05	3.84E-03	7.74E-05	6.88E-09	8.81E-07	8.27E-07	7.91E-05
4684	485863.09	3860377.25	1.69E-04	1.02E-08	7.83E-07	9.37E-07	1.70E-04	8.02E-05	4.47E-03	5.87E-05	3.44E-05	4.65E-03	7.63E-05	8.39E-09	7.83E-07	9.37E-07	7.80E-05
4685	486363.09	3860377.25	1.65E-04	1.24E-08	6.43E-07	1.11E-06	1.67E-04	7.86E-05	5.48E-03	4.82E-05	4.08E-05	5.65E-03	7.48E-05	1.03E-08	6.43E-07	1.11E-06	7.65E-05
4686	486863.09	3860377.25	1.63E-04	1.58E-08	6.00E-07	1.46E-06	1.65E-04	7.75E-05	6.96E-03	4.50E-05	5.34E-05	7.14E-03	7.37E-05	1.31E-08	6.00E-07	1.46E-06	7.58E-05
4687	487363.09	3860377.25	1.64E-04	2.45E-08	5.72E-07	2.08E-06	1.67E-04	7.81E-05	1.08E-02	4.29E-05	7.61E-05	1.10E-02	7.43E-05	2.03E-08	5.72E-07	2.08E-06	7.70E-05
4688	487863.09	3860377.25	1.70E-04	1.25E-07	7.30E-07	4.04E-06	1.74E-04	8.06E-05	5.50E-02	5.47E-05	1.48E-04	5.53E-02	7.67E-05	1.03E-07	7.30E-07	4.04E-06	8.16E-05
4689	488363.09	3860377.25	1.73E-04	1.78E-07	6.70E-07	9.35E-06	1.83E-04	8.21E-05	7.83E-02	5.03E-05	3.43E-04	7.88E-02	7.81E-05	1.47E-07	6.70E-07	9.35E-06	8.82E-05
4690	488863.09	3860377.25	1.80E-04	1.94E-07	5.47E-07	1.22E-05	1.93E-04	8.58E-05	8.54E-02	4.10E-05	4.47E-04	8.60E-02	8.16E-05	1.60E-07	5.47E-07	1.22E-05	9.45E-05
4691	489363.09	3860377.25	1.84E-04	8.68E-08	7.11E-07	6.22E-06	1.91E-04	8.76E-05	3.82E-02	5.33E-05	2.28E-04	3.86E-02	8.34E-05	7.17E-08	7.11E-07	6.22E-06	9.04E-05
4692	489863.09	3860377.25	1.89E-04	4.50E-08	9.43E-07	4.19E-06	1.95E-04	9.00E-05	1.98E-02	7.07E-05	1.53E-04	2.01E-02	8.57E-05	3.72E-08	9.43E-07	4.19E-06	9.08E-05
4693	490363.09	3860377.25	1.96E-04	3.17E-08	9.79E-07	3.28E-06	2.01E-04	9.33E-05	1.40E-02	7.34E-05	1.20E-04	1.43E-02	8.88E-05	2.62E-08	9.79E-07	3.28E-06	9.31E-05

4694	490863.09	3860377.25	1.87E-04	2.49E-08	1.06E-06	2.69E-06	1.91E-04	8.91E-05	1.09E-02	7.93E-05	9.87E-05	1.12E-02	8.48E-05	2.05E-08	1.06E-06	2.69E-06	8.86E-05
4695	491363.09	3860377.25	1.75E-04	2.04E-08	1.05E-06	2.30E-06	1.78E-04	8.32E-05	8.98E-03	7.85E-05	8.43E-05	9.22E-03	7.92E-05	1.68E-08	1.05E-06	2.30E-06	8.26E-05
4696	491863.09	3860377.25	1.74E-04	1.74E-08	1.12E-06	2.07E-06	1.77E-04	8.26E-05	7.65E-03	8.39E-05	7.57E-05	7.89E-03	7.86E-05	1.43E-08	1.12E-06	2.07E-06	8.18E-05
4697	492363.09	3860377.25	1.81E-04	1.51E-08	1.21E-06	1.92E-06	1.84E-04	8.60E-05	6.67E-03	9.06E-05	7.04E-05	6.91E-03	8.18E-05	1.25E-08	1.21E-06	1.92E-06	8.50E-05
4698	492863.09	3860377.25	1.89E-04	1.33E-08	1.24E-06	1.78E-06	1.92E-04	8.98E-05	5.88E-03	9.27E-05	6.51E-05	6.12E-03	8.55E-05	1.10E-08	1.24E-06	1.78E-06	8.85E-05
4699	493363.09	3860377.25	2.00E-04	1.17E-08	1.35E-06	1.63E-06	2.03E-04	9.52E-05	5.17E-03	1.01E-04	5.99E-05	5.43E-03	9.06E-05	9.70E-09	1.35E-06	1.63E-06	9.36E-05
4700	493863.09	3860377.25	2.01E-04	1.07E-08	1.44E-06	1.55E-06	2.04E-04	9.57E-05	4.69E-03	1.08E-04	5.68E-05	4.95E-03	9.10E-05	8.80E-09	1.44E-06	1.55E-06	9.40E-05
4701	494363.09	3860377.25	1.99E-04	9.53E-09	1.46E-06	1.46E-06	2.02E-04	9.48E-05	4.20E-03	1.10E-04	5.36E-05	4.46E-03	9.02E-05	7.87E-09	1.46E-06	1.46E-06	9.31E-05
4702	494863.09	3860377.25	1.92E-04	8.79E-09	1.50E-06	1.40E-06	1.95E-04	9.15E-05	3.87E-03	1.13E-04	5.12E-05	4.13E-03	8.70E-05	7.26E-09	1.50E-06	1.40E-06	8.99E-05
4703	495363.09	3860377.25	1.87E-04	7.95E-09	1.50E-06	1.33E-06	1.90E-04	8.90E-05	3.50E-03	1.12E-04	4.87E-05	3.75E-03	8.47E-05	6.56E-09	1.50E-06	1.33E-06	8.75E-05
4704	495863.09	3860377.25	1.81E-04	6.83E-09	1.55E-06	1.29E-06	1.84E-04	8.61E-05	3.01E-03	1.16E-04	4.74E-05	3.26E-03	8.19E-05	5.64E-09	1.55E-06	1.29E-06	8.47E-05
4705	496363.09	3860377.25	1.73E-04	5.79E-09	1.74E-06	1.27E-06	1.76E-04	8.23E-05	2.55E-03	1.31E-04	4.67E-05	2.81E-03	7.83E-05	4.78E-09	1.74E-06	1.27E-06	8.13E-05
4706	496863.09	3860377.25	1.65E-04	5.01E-09	1.88E-06	1.22E-06	1.68E-04	7.85E-05	2.21E-03	1.41E-04	4.46E-05	2.47E-03	7.47E-05	4.14E-09	1.88E-06	1.22E-06	7.78E-05
4707	497363.09	3860377.25	1.53E-04	4.25E-09	1.89E-06	1.14E-06	1.56E-04	7.29E-05	1.87E-03	1.42E-04	4.17E-05	2.13E-03	6.94E-05	3.51E-09	1.89E-06	1.14E-06	7.24E-05
4708	497863.09	3860377.25	1.60E-04	4.76E-09	1.77E-06	1.15E-06	1.63E-04	7.61E-05	2.10E-03	1.33E-04	4.20E-05	2.35E-03	7.24E-05	3.93E-09	1.77E-06	1.15E-06	7.53E-05
4709	498363.09	3860377.25	1.59E-04	5.05E-09	1.61E-06	1.08E-06	1.62E-04	7.58E-05	2.22E-03	1.21E-04	3.96E-05	2.46E-03	7.21E-05	4.17E-09	1.61E-06	1.08E-06	7.48E-05
4710	471363.09	3860877.25	3.91E-05	6.24E-10	2.72E-07	2.78E-07	3.97E-05	1.86E-05	2.75E-04	2.04E-05	1.02E-05	3.24E-04	1.77E-05	5.16E-10	2.72E-07	2.78E-07	1.82E-05
4711	471863.09	3860877.25	4.13E-05	6.66E-10	2.87E-07	2.86E-07	4.19E-05	1.97E-05	2.93E-04	2.16E-05	1.05E-05	3.45E-04	1.87E-05	5.50E-10	2.87E-07	2.86E-07	1.93E-05
4712	472363.09	3860877.25	4.39E-05	7.05E-10	3.05E-07	2.94E-07	4.45E-05	2.09E-05	3.11E-04	2.29E-05	1.08E-05	3.65E-04	1.99E-05	5.83E-10	3.05E-07	2.94E-07	2.05E-05
4713	472863.09	3860877.25	4.71E-05	7.55E-10	3.20E-07	2.98E-07	4.77E-05	2.24E-05	3.33E-04	2.40E-05	1.09E-05	3.90E-04	2.13E-05	6.24E-10	3.20E-07	2.98E-07	2.19E-05
4714	473363.09	3860877.25	5.07E-05	7.90E-10	3.44E-07	3.06E-07	5.14E-05	2.41E-05	3.48E-04	2.58E-05	1.12E-05	4.09E-04	2.29E-05	6.52E-10	3.44E-07	3.06E-07	2.36E-05
4715	473863.09	3860877.25	5.44E-05	8.20E-10	3.76E-07	3.15E-07	5.51E-05	2.59E-05	3.61E-04	2.82E-05	1.16E-05	4.27E-04	2.46E-05	6.77E-10	3.76E-07	3.15E-07	2.53E-05
4716	474363.09	3860877.25	5.77E-05	8.38E-10	4.16E-07	3.28E-07	5.85E-05	2.75E-05	3.69E-04	3.12E-05	1.20E-05	4.40E-04	2.61E-05	6.92E-10	4.16E-07	3.28E-07	2.69E-05
4717	474863.09	3860877.25	6.05E-05	8.70E-10	4.81E-07	3.56E-07	6.14E-05	2.88E-05	3.83E-04	3.61E-05	1.30E-05	4.61E-04	2.74E-05	7.19E-10	4.81E-07	3.56E-07	2.82E-05
4718	475363.09	3860877.25	6.19E-05	8.28E-10	5.78E-07	3.82E-07	6.29E-05	2.94E-05	3.65E-04	4.34E-05	1.40E-05	4.52E-04	2.80E-05	6.84E-10	5.78E-07	3.82E-07	2.90E-05
4719	475863.09	3860877.25	6.11E-05	7.30E-10	6.89E-07	4.05E-07	6.22E-05	2.90E-05	3.22E-04	5.17E-05	1.48E-05	4.17E-04	2.76E-05	6.03E-10	6.89E-07	4.05E-07	2.87E-05
4720	476363.09	3860877.25	5.73E-05	6.08E-10	7.29E-07	4.15E-07	5.84E-05	2.72E-05	2.68E-04	5.47E-05	1.52E-05	3.65E-04	2.59E-05	5.02E-10	7.29E-07	4.15E-07	2.71E-05
4721	476863.09	3860877.25	5.62E-05	5.66E-10	7.12E-07	4.25E-07	5.73E-05	2.67E-05	2.49E-04	5.34E-05	1.56E-05	3.45E-04	2.54E-05	4.68E-10	7.12E-07	4.25E-07	2.66E-05
4722	477363.09	3860877.25	5.86E-05	5.82E-10	7.08E-07	4.37E-07	5.98E-05	2.79E-05	2.56E-04	5.31E-05	1.60E-05	3.53E-04	2.65E-05	4.80E-10	7.08E-07	4.37E-07	2.77E-05
4723	477863.09	3860877.25	5.22E-05	4.93E-10	6.46E-07	4.13E-07	5.33E-05	2.48E-05	2.17E-04	4.85E-05	1.52E-05	3.06E-04	2.36E-05	4.07E-10	6.46E-07	4.13E-07	2.47E-05
4724	478363.09	3860877.25	3.09E-05	3.25E-10	5.22E-07	3.50E-07	3.18E-05	1.47E-05	1.43E-04	3.92E-05	1.29E-05	2.10E-04	1.40E-05	2.68E-10	5.22E-07	3.50E-07	1.48E-05
4725	478863.09	3860877.25	6.71E-05	6.63E-10	7.35E-07	5.04E-07	6.84E-05	3.19E-05	2.92E-04	5.51E-05	1.85E-05	3.98E-04	3.04E-05	5.48E-10	7.35E-07	5.04E-07	3.16E-05
4726	479363.09	3860877.25	8.43E-05	1.10E-09	7.72E-07	5.47E-07	8.56E-05	4.01E-05	4.85E-04	5.79E-05	2.00E-05	6.03E-04	3.81E-05	9.10E-10	7.72E-07	5.47E-07	3.94E-05
4727	479863.09	3860877.25	9.21E-05	1.61E-09	7.02E-07	4.60E-07	9.32E-05	4.38E-05	7.08E-04	5.26E-05	1.69E-05	8.21E-04	4.16E-05	1.33E-09	7.02E-07	4.60E-07	4.28E-05
4728	480363.09	3860877.25	9.81E-05	2.05E-09	6.81E-07	4.42E-07	9.92E-05	4.66E-05	9.01E-04	5.11E-05	1.62E-05	1.01E-03	4.44E-05	1.69E-09	6.81E-07	4.42E-07	4.55E-05
4729	480863.09	3860877.25	1.05E-04	2.35E-09	6.78E-07	4.53E-07	1.06E-04	4.98E-05	1.03E-03	5.08E-05	1.66E-05	1.15E-03	4.74E-05	1.94E-09	6.78E-07	4.53E-07	4.85E-05
4730	481363.09	3860877.25	1.14E-04	2.67E-09	6.87E-07	4.72E-07	1.15E-04	5.40E-05	1.17E-03	5.15E-05	1.73E-05	1.30E-03	5.14E-05	2.20E-09	6.87E-07	4.72E-07	5.25E-05
4731	481863.09	3860877.25	1.23E-04	2.93E-09	7.20E-07	4.86E-07	1.25E-04	5.87E-05	1.29E-03	5.40E-05	1.78E-05	1.42E-03	5.58E-05	2.42E-09	7.20E-07	4.86E-07	5.70E-05
4732	482363.09	3860877.25	1.31E-04	3.29E-09	7.75E-07	5.09E-07	1.32E-04	6.23E-05	1.45E-03	5.81E-05	1.87E-05	1.59E-03	5.93E-05	2.72E-09	7.75E-07	5.09E-07	6.06E-05
4733	482863.09	3860877.25	1.38E-04	3.62E-09	8.19E-07	5.33E-07	1.40E-04	6.57E-05	1.59E-03	6.14E-05	1.95E-05	1.74E-03	6.25E-05	2.99E-09	8.19E-07	5.33E-07	6.39E-05
4734	483363.09	3860877.25	1.47E-04	3.97E-09	8.48E-07	5.78E-07	1.49E-04	7.01E-05	1.75E-03	6.36E-05	2.12E-05	1.90E-03	6.67E-05	3.28E-09	8.48E-07	5.78E-07	6.81E-05
4735	483863.09	3860877.25	1.53E-04	4.41E-09	8.76E-07	6.23E-07	1.54E-04	7.25E-05	1.94E-03	6.57E-05	2.28E-05	2.10E-03	6.90E-05	3.64E-09	8.76E-07	6.23E-07	7.05E-05
4736	484363.09	3860877.25	1.53E-04	5.10E-09	8.53E-07	6.61E-07	1.54E-04	7.25E-05	2.25E-03	6.40E-05	2.42E-05	2.41E-03	6.90E-05	4.21E-09	8.53E-07	6.61E-07	7.05E-05
4737	484863.09	3860877.25	1.47E-04	5.88E-09	7.60E-07	6.85E-07	1.48E-04	6.99E-05	2.59E-03	5.70E-05	2.51E-05	2.74E-03	6.65E-05	4.85E-09	7.60E-07	6.85E-07	6.79E-05
4738	485363.09	3860877.25	1.42E-04	6.79E-09	6.92E-07	7.19E-07	1.44E-04	6.76E-05	2.99E-03	5.19E-05	2.64E-05	3.13E-03	6.44E-05	5.61E-09	6.92E-07	7.19E-07	6.58E-05
4739	485863.09	3860877.25	1.42E-04	7.91E-09	6.00E-07	7.68E-07	1.43E-04	6.74E-05	3.48E-03	4.50E-05	2.82E-05	3.62E-03	6.41E-05	6.53E-09	6.00E-07	7.68E-07	6.55E-05
4740	486363.09	3860877.25	1.37E-04	9.18E-09	5.81E-07	8.67E-07	1.38E-04	6.50E-05	4.04E-03	4.36E-05	3.18E-05	4.18E-03	6.18E-05	7.58E-09	5.81E-07	8.67E-07	6.33E-05
4741	486863.09	3860877.25	1.35E-04	1.11E-08	4.82E-07	1.02E-06	1.37E-04	6.43E-05	4.89E-03	3.62E-05	3.74E-05	5.03E-03	6.12E-05	9.18E-09	4.82E-07	1.02E-06	6.27E-05
4742	487363.09	3860877.25	1.36E-04	1.44E-08	5.22E-07	1.23E-06	1.38E-04	6.48E-05	6.33E-03	3.92E-05	4.50E-05	6.48E-03	6.17E-05	1.19E-08	5.22E-07	1.23E-06	6.35E-05
4743	487863.09	3860877.25	1.38E-04	1.83E-08	6.65E-07	1.50E-06	1.40E-04	6.54E-05	8.06E-03	4.99E-05	5.50E-05	8.23E-03	6.23E-05	1.51E-08	6.65E-07	1.50E-06	6.44E-05
4744	488363.09	3860877.25	1.42E-04	2.30E-08	6.23E-07	1.84E-06	1.45E-04	6.75E-05	1.01E-02	4.67E-05	6.76E-05	1.03E-02	6.42E-05	1.90E-08	6.23E-07	1.84E-06	6.67E-05
4745	488863.09	3860877.25	1.45E-04	2.45E-08	4.70E-07	1.72E-06	1.47E-04	6.89E-05	1.08E-02	3.53E-05	6.31E-05	1.09E-02	6.55E-05	2.02E-08	4.70E-07	1.72E-06	6.78E-05
4746	489363.09	3860877.25	1.51E-04	2.43E-08	5.13E-07	1.84E-06	1.53E-04	7.18E-05	1.07E-02	3.85E-05	6.73E-05	1.09E-02	6.83E-05	2.01E-08	5.13E-07	1.84E-06	7.07E-05
4747	489863.09	3860877.25	1.50E-04	2.16E-08	7.07E-07	1.65E-06	1.52E-04	7.13E-05	9.51E-03	5.30E-05	6.06E-05	9.69E-03	6.79E-05	1.78E-08	7.07E-07	1.65E-06	7.02E-05
4748	490363.09	3860877.25	1.53E-04	1.90E-08	8.10E-07	1.53E-06	1.55E-04	7.27E-05	8.35E-03	6.08E-05	5.63E-05	8.54E-03	6.92E-05	1.57E-08	8.10E-07	1.53E-06	7.15E-05
4749	490863.09	3860877.25	1.60E-04	1.65E-08	8.27E-07	1.44E-06	1.62E-04	7.61E-05	7.29E-03	6.20E-05	5.28E-05	7.48E-03	7.24E-05	1.37E-08	8.27E-07	1.44E-06	7.47E-05
4750	491363.09	3860877.25	1.55E-04	1.47E-08	8.81E-07	1.37E-06	1.57E-04	7.37E-05	6.45E-03	6.61E-05	5.02E-05	6.64E-03	7.01E-05	1.21E-08	8.81E-07	1.37E-06	7.24E-05
4751	491863.09	3860877.25	1.46E-04	1.32E-08	8.56E-07	1.31E-06	1.48E-04	6.92E-05	5.79E-03	6.42E-05	4.82E-05	5.97E-03	6.59E-05	1.09E-08	8.56E-07	1.31E-06	6.81E-05
4752	492363.09	3860877.25	1.40E-04	1.16E-08	8.63E-07	1.24E-06	1.42E-04	6.65E-05	5.12E-03	6.47E-05	4.53E-05	5.29E-03	6.33E-05	9.60E-09	8.63E-07	1.24E-06	6.54E-05
4753	492863.09	3860877.25	1.42E-04	1.06E-08	9.27E-07	1.19E-06	1.44E-04	6.74E-05	4.67E-03	6.95E-05	4.38E-05	4.85E-03	6.41E-05	8.76E-09	9.27E-07	1.19E-06	6.63E-05
4754	493363.09	3860877.25	1.49E-04	9.80E-09	9.63E-07	1.19E-06	1.51E-04	7.06E-05	4.32E-03	7.22E-05	4.35E-05	4.50E-03	6.72E-05	8.09E-09	9.63E-07	1.19E-06	6.94E-05

4755	493863.09	3860877.25	1.55E-04	8.99E-09	9.67E-07	1.15E-06	1.57E-04	7.38E-05	3.96E-03	7.25E-05	4.22E-05	4.15E-03	7.02E-05	7.42E-09	9.67E-07	1.15E-06	7.24E-05
4756	494363.09	3860877.25	1.61E-04	8.29E-09	1.01E-06	1.13E-06	1.63E-04	7.66E-05	3.65E-03	7.58E-05	4.13E-05	3.85E-03	7.29E-05	6.85E-09	1.01E-06	1.13E-06	7.50E-05
4757	494863.09	3860877.25	1.64E-04	7.69E-09	1.09E-06	1.12E-06	1.66E-04	7.78E-05	3.39E-03	8.15E-05	4.10E-05	3.59E-03	7.41E-05	6.35E-09	1.09E-06	1.12E-06	7.63E-05
4758	495363.09	3860877.25	1.62E-04	7.15E-09	1.15E-06	1.08E-06	1.64E-04	7.71E-05	3.15E-03	8.66E-05	3.98E-05	3.35E-03	7.33E-05	5.91E-09	1.15E-06	1.08E-06	7.56E-05
4759	495863.09	3860877.25	1.58E-04	6.67E-09	1.18E-06	1.06E-06	1.60E-04	7.49E-05	2.94E-03	8.87E-05	3.88E-05	3.14E-03	7.13E-05	5.51E-09	1.18E-06	1.06E-06	7.35E-05
4760	496363.09	3860877.25	1.55E-04	6.19E-09	1.22E-06	1.01E-06	1.57E-04	7.36E-05	2.72E-03	9.17E-05	3.71E-05	2.93E-03	7.01E-05	5.11E-09	1.22E-06	1.01E-06	7.23E-05
4761	496863.09	3860877.25	1.51E-04	5.41E-09	1.22E-06	1.00E-06	1.53E-04	7.17E-05	2.38E-03	9.16E-05	3.68E-05	2.58E-03	6.82E-05	4.47E-09	1.22E-06	1.00E-06	7.05E-05
4762	497363.09	3860877.25	1.47E-04	5.10E-09	1.26E-06	9.78E-07	1.49E-04	6.99E-05	2.25E-03	9.43E-05	3.59E-05	2.45E-03	6.65E-05	4.21E-09	1.26E-06	9.78E-07	6.87E-05
4763	497863.09	3860877.25	1.43E-04	4.70E-09	1.32E-06	9.64E-07	1.45E-04	6.81E-05	2.07E-03	9.92E-05	3.54E-05	2.27E-03	6.48E-05	3.88E-09	1.32E-06	9.64E-07	6.71E-05
4764	498363.09	3860877.25	1.41E-04	4.70E-09	1.29E-06	9.22E-07	1.43E-04	6.71E-05	2.07E-03	9.66E-05	3.38E-05	2.27E-03	6.38E-05	3.88E-09	1.29E-06	9.22E-07	6.60E-05
4765	471363.09	3861377.25	3.94E-05	6.52E-10	3.19E-07	2.70E-07	4.00E-05	1.87E-05	2.87E-04	2.39E-05	9.88E-06	3.39E-04	1.78E-05	5.38E-10	3.19E-07	2.70E-07	1.84E-05
4766	471863.09	3861377.25	4.19E-05	6.83E-10	3.39E-07	2.74E-07	4.26E-05	1.99E-05	3.01E-04	2.55E-05	1.00E-05	3.56E-04	1.90E-05	5.64E-10	3.39E-07	2.74E-07	1.96E-05
4767	472363.09	3861377.25	4.49E-05	7.15E-10	3.61E-07	2.80E-07	4.55E-05	2.13E-05	3.15E-04	2.70E-05	1.03E-05	3.74E-04	2.03E-05	5.91E-10	3.61E-07	2.80E-07	2.09E-05
4768	472863.09	3861377.25	4.78E-05	7.58E-10	3.80E-07	2.84E-07	4.85E-05	2.27E-05	3.34E-04	2.85E-05	1.04E-05	3.96E-04	2.16E-05	6.26E-10	3.80E-07	2.84E-07	2.23E-05
4769	473363.09	3861377.25	5.06E-05	7.95E-10	4.05E-07	2.92E-07	5.13E-05	2.41E-05	3.50E-04	3.04E-05	1.07E-05	4.15E-04	2.29E-05	6.56E-10	4.05E-07	2.92E-07	2.36E-05
4770	473863.09	3861377.25	5.29E-05	8.21E-10	4.35E-07	3.04E-07	5.37E-05	2.52E-05	3.62E-04	3.27E-05	1.11E-05	4.31E-04	2.40E-05	6.78E-10	4.35E-07	3.04E-07	2.47E-05
4771	474363.09	3861377.25	5.49E-05	8.78E-10	4.55E-07	3.12E-07	5.56E-05	2.61E-05	3.87E-04	3.41E-05	1.14E-05	4.58E-04	2.48E-05	7.25E-10	4.55E-07	3.12E-07	2.56E-05
4772	474863.09	3861377.25	5.64E-05	8.96E-10	4.84E-07	3.26E-07	5.72E-05	2.68E-05	3.94E-04	3.63E-05	1.20E-05	4.69E-04	2.55E-05	7.40E-10	4.84E-07	3.26E-07	2.63E-05
4773	475363.09	3861377.25	5.83E-05	9.56E-10	4.98E-07	3.36E-07	5.91E-05	2.77E-05	4.21E-04	3.74E-05	1.23E-05	4.98E-04	2.64E-05	7.89E-10	4.98E-07	3.36E-07	2.72E-05
4774	475863.09	3861377.25	6.01E-05	9.49E-10	5.32E-07	3.69E-07	6.10E-05	2.86E-05	4.18E-04	3.99E-05	1.35E-05	5.00E-04	2.72E-05	7.84E-10	5.32E-07	3.69E-07	2.81E-05
4775	476363.09	3861377.25	6.19E-05	9.00E-10	5.60E-07	4.02E-07	6.28E-05	2.94E-05	3.96E-04	4.20E-05	1.47E-05	4.82E-04	2.80E-05	7.43E-10	5.60E-07	4.02E-07	2.90E-05
4776	476863.09	3861377.25	6.37E-05	8.68E-10	5.83E-07	4.28E-07	6.47E-05	3.03E-05	3.82E-04	4.38E-05	1.57E-05	4.72E-04	2.88E-05	7.17E-10	5.83E-07	4.28E-07	2.98E-05
4777	477363.09	3861377.25	6.56E-05	8.55E-10	6.17E-07	4.51E-07	6.66E-05	3.12E-05	3.76E-04	4.62E-05	1.65E-05	4.70E-04	2.97E-05	7.06E-10	6.17E-07	4.51E-07	3.07E-05
4778	477863.09	3861377.25	6.02E-05	6.40E-10	6.94E-07	4.54E-07	6.13E-05	2.86E-05	2.82E-04	5.20E-05	1.66E-05	3.79E-04	2.72E-05	5.29E-10	6.94E-07	4.54E-07	2.84E-05
4779	478363.09	3861377.25	3.80E-05	3.72E-10	5.93E-07	3.52E-07	3.90E-05	1.81E-05	1.64E-04	4.45E-05	1.29E-05	2.39E-04	1.72E-05	3.07E-10	5.93E-07	3.52E-07	1.81E-05
4780	478863.09	3861377.25	4.64E-05	4.56E-10	7.14E-07	3.99E-07	4.75E-05	2.21E-05	2.01E-04	5.35E-05	1.46E-05	2.91E-04	2.10E-05	3.76E-10	7.14E-07	3.99E-07	2.21E-05
4781	479363.09	3861377.25	7.33E-05	1.01E-09	8.96E-07	5.18E-07	7.47E-05	3.49E-05	4.46E-04	6.72E-05	1.90E-05	5.67E-04	3.32E-05	8.37E-10	8.96E-07	5.18E-07	3.46E-05
4782	479863.09	3861377.25	8.29E-05	1.55E-09	6.50E-07	4.30E-07	8.40E-05	3.94E-05	6.84E-04	4.87E-05	1.58E-05	7.88E-04	3.75E-05	1.28E-09	6.50E-07	4.30E-07	3.86E-05
4783	480363.09	3861377.25	8.93E-05	2.02E-09	6.06E-07	4.15E-07	9.03E-05	4.24E-05	8.91E-04	4.55E-05	1.52E-05	9.94E-04	4.04E-05	1.67E-09	6.06E-07	4.15E-07	4.14E-05
4784	480863.09	3861377.25	9.57E-05	2.30E-09	6.34E-07	4.32E-07	9.68E-05	4.55E-05	1.01E-03	4.76E-05	1.59E-05	1.12E-03	4.33E-05	1.90E-09	6.34E-07	4.32E-07	4.44E-05
4785	481363.09	3861377.25	1.03E-04	2.55E-09	6.81E-07	4.44E-07	1.04E-04	4.89E-05	1.12E-03	5.11E-05	1.63E-05	1.24E-03	4.66E-05	2.11E-09	6.81E-07	4.44E-07	4.77E-05
4786	481863.09	3861377.25	1.10E-04	2.76E-09	7.18E-07	4.62E-07	1.11E-04	5.24E-05	1.22E-03	5.38E-05	1.70E-05	1.34E-03	4.99E-05	2.28E-09	7.18E-07	4.62E-07	5.10E-05
4787	482363.09	3861377.25	1.16E-04	2.99E-09	7.41E-07	4.80E-07	1.17E-04	5.50E-05	1.32E-03	5.56E-05	1.76E-05	1.45E-03	5.24E-05	2.47E-09	7.41E-07	4.80E-07	5.36E-05
4788	482863.09	3861377.25	1.22E-04	3.25E-09	7.60E-07	5.04E-07	1.23E-04	5.78E-05	1.43E-03	5.70E-05	1.85E-05	1.56E-03	5.50E-05	2.68E-09	7.60E-07	5.04E-07	5.63E-05
4789	483363.09	3861377.25	1.28E-04	3.52E-09	7.82E-07	5.38E-07	1.29E-04	6.07E-05	1.55E-03	5.86E-05	1.97E-05	1.69E-03	5.77E-05	2.91E-09	7.82E-07	5.38E-07	5.91E-05
4790	483863.09	3861377.25	1.30E-04	3.88E-09	7.72E-07	5.67E-07	1.31E-04	6.18E-05	1.71E-03	5.79E-05	2.08E-05	1.85E-03	5.88E-05	3.20E-09	7.72E-07	5.67E-07	6.01E-05
4791	484363.09	3861377.25	1.32E-04	4.29E-09	7.14E-07	5.84E-07	1.33E-04	6.28E-05	1.89E-03	5.36E-05	2.14E-05	2.03E-03	5.98E-05	3.54E-09	7.14E-07	5.84E-07	6.11E-05
4792	484863.09	3861377.25	1.27E-04	4.95E-09	6.28E-07	6.03E-07	1.28E-04	6.02E-05	2.18E-03	4.71E-05	2.21E-05	2.31E-03	5.73E-05	4.09E-09	6.28E-07	6.03E-07	5.85E-05
4793	485363.09	3861377.25	1.21E-04	5.52E-09	5.43E-07	6.09E-07	1.22E-04	5.74E-05	2.43E-03	4.07E-05	2.23E-05	2.55E-03	5.46E-05	4.56E-09	5.43E-07	6.09E-07	5.58E-05
4794	485863.09	3861377.25	1.18E-04	6.19E-09	5.22E-07	6.50E-07	1.19E-04	5.61E-05	2.73E-03	3.92E-05	2.38E-05	2.85E-03	5.33E-05	5.11E-09	5.22E-07	6.50E-07	5.45E-05
4795	486363.09	3861377.25	1.15E-04	6.88E-09	5.15E-07	6.83E-07	1.16E-04	5.47E-05	3.03E-03	3.87E-05	2.50E-05	3.15E-03	5.21E-05	5.68E-09	5.15E-07	6.83E-07	5.33E-05
4796	486863.09	3861377.25	1.15E-04	7.77E-09	4.24E-07	7.35E-07	1.16E-04	5.46E-05	3.42E-03	3.18E-05	2.69E-05	3.54E-03	5.19E-05	6.42E-09	4.24E-07	7.35E-07	5.31E-05
4797	487363.09	3861377.25	1.16E-04	8.83E-09	4.89E-07	7.51E-07	1.17E-04	5.51E-05	3.89E-03	3.67E-05	2.75E-05	4.01E-03	5.24E-05	7.29E-09	4.89E-07	7.51E-07	5.36E-05
4798	487863.09	3861377.25	1.17E-04	9.49E-09	6.20E-07	7.98E-07	1.19E-04	5.57E-05	4.18E-03	4.65E-05	2.93E-05	4.31E-03	5.30E-05	7.84E-09	6.20E-07	7.98E-07	5.44E-05
4799	488363.09	3861377.25	1.15E-04	9.69E-09	5.63E-07	8.62E-07	1.17E-04	5.48E-05	4.27E-03	4.22E-05	3.16E-05	4.40E-03	5.21E-05	8.01E-09	5.63E-07	8.62E-07	5.35E-05
4800	488863.09	3861377.25	1.19E-04	1.01E-08	4.26E-07	8.61E-07	1.20E-04	5.65E-05	4.45E-03	3.20E-05	3.16E-05	4.57E-03	5.38E-05	8.35E-09	4.26E-07	8.61E-07	5.50E-05
4801	489363.09	3861377.25	1.22E-04	1.04E-08	4.00E-07	8.52E-07	1.24E-04	5.82E-05	4.56E-03	3.00E-05	3.12E-05	4.68E-03	5.53E-05	8.56E-09	4.00E-07	8.52E-07	5.66E-05
4802	489863.09	3861377.25	1.25E-04	1.05E-08	5.09E-07	8.62E-07	1.26E-04	5.93E-05	4.62E-03	3.81E-05	3.16E-05	4.75E-03	5.64E-05	8.66E-09	5.09E-07	8.62E-07	5.78E-05
4803	490363.09	3861377.25	1.26E-04	1.02E-08	6.77E-07	8.46E-07	1.27E-04	5.98E-05	4.51E-03	5.08E-05	3.10E-05	4.65E-03	5.69E-05	8.45E-09	6.77E-07	8.46E-07	5.84E-05
4804	490863.09	3861377.25	1.27E-04	9.98E-09	7.10E-07	8.41E-07	1.29E-04	6.06E-05	4.39E-03	5.33E-05	3.08E-05	4.54E-03	5.76E-05	8.24E-09	7.10E-07	8.41E-07	5.92E-05
4805	491363.09	3861377.25	1.34E-04	9.53E-09	7.16E-07	8.34E-07	1.35E-04	6.36E-05	4.20E-03	5.37E-05	3.06E-05	4.35E-03	6.05E-05	7.87E-09	7.16E-07	8.34E-07	6.20E-05
4806	491863.09	3861377.25	1.31E-04	9.07E-09	7.59E-07	8.36E-07	1.33E-04	6.24E-05	4.00E-03	5.70E-05	3.07E-05	4.15E-03	5.93E-05	7.50E-09	7.59E-07	8.36E-07	6.09E-05
4807	492363.09	3861377.25	1.23E-04	8.66E-09	7.31E-07	8.40E-07	1.25E-04	5.85E-05	3.81E-03	5.49E-05	3.08E-05	3.96E-03	5.56E-05	7.15E-09	7.31E-07	8.40E-07	5.72E-05
4808	492863.09	3861377.25	1.19E-04	8.17E-09	7.15E-07	8.34E-07	1.20E-04	5.64E-05	3.60E-03	5.36E-05	3.06E-05	3.74E-03	5.36E-05	6.75E-09	7.15E-07	8.34E-07	5.52E-05
4809	493363.09	3861377.25	1.18E-04	7.68E-09	7.60E-07	8.28E-07	1.20E-04	5.63E-05	3.38E-03	5.70E-05	3.03E-05	3.53E-03	5.36E-05	6.34E-09	7.60E-07	8.28E-07	5.52E-05
4810	493863.09	3861377.25	1.20E-04	7.19E-09	7.97E-07	8.17E-07	1.21E-04	5.69E-05	3.17E-03	5.98E-05	3.00E-05	3.32E-03	5.41E-05	5.94E-09	7.97E-07	8.17E-07	5.57E-05
4811	494363.09	3861377.25	1.23E-04	6.76E-09	7.91E-07	8.09E-07	1.25E-04	5.87E-05	2.98E-03	5.93E-05	2.97E-05	3.13E-03	5.58E-05	5.59E-09	7.91E-07	8.09E-07	5.74E-05
4812	494863.09	3861377.25	1.29E-04	6.38E-09	7.84E-07	8.06E-07	1.31E-04	6.14E-05	2.81E-03	5.88E-05	2.96E-05	2.96E-03	5.85E-05	5.27E-09	7.84E-07	8.06E-07	6.01E-05
4813	495363.09	3861377.25	1.33E-04	6.02E-09	8.07E-07	8.02E-07	1.35E-04	6.34E-05	2.65E-03	6.05E-05	2.94E-05	2.80E-03	6.03E-05	4.97E-09	8.07E-07	8.02E-07	6.19E-05
4814	495863.09	3861377.25	1.34E-04	5.68E-09	8.48E-07	7.95E-07	1.35E-04	6.35E-05	2.50E-03	6.36E-05	2.91E-05	2.66E-03	6.05E-05	4.69E-09	8.48E-07	7.95E-07	6.21E-05
4815	496363.09	3861377.25	1.34E-04	5.42E-09	9.05E-07	8.06E-07	1.35E-04	6.35E-05	2.39E-03	6.79E-05	2.96E-05	2.55E-03	6.04E-05	4.48E-09	9.05E-07	8.06E-07	6.22E-05

4816	496863.09	3861377.25	1.33E-04	5.16E-09	9.82E-07	8.24E-07	1.35E-04	6.34E-05	2.27E-03	7.37E-05	3.02E-05	2.44E-03	6.04E-05	4.27E-09	9.82E-07	8.24E-07	6.22E-05
4817	497363.09	3861377.25	1.30E-04	4.89E-09	1.02E-06	8.07E-07	1.32E-04	6.20E-05	2.15E-03	7.64E-05	2.96E-05	2.32E-03	5.90E-05	4.04E-09	1.02E-06	8.07E-07	6.08E-05
4818	497863.09	3861377.25	1.27E-04	4.64E-09	1.04E-06	7.93E-07	1.29E-04	6.05E-05	2.04E-03	7.83E-05	2.91E-05	2.21E-03	5.76E-05	3.83E-09	1.04E-06	7.93E-07	5.94E-05
4819	498363.09	3861377.25	1.25E-04	4.40E-09	1.04E-06	7.78E-07	1.27E-04	5.94E-05	1.94E-03	7.80E-05	2.85E-05	2.10E-03	5.65E-05	3.63E-09	1.04E-06	7.78E-07	5.83E-05
4820	471363.09	3861877.25	4.00E-05	6.52E-10	3.66E-07	2.53E-07	4.06E-05	1.90E-05	2.87E-04	2.74E-05	9.28E-06	3.43E-04	1.81E-05	5.39E-10	3.66E-07	2.53E-07	1.87E-05
4821	471863.09	3861877.25	4.24E-05	6.82E-10	3.84E-07	2.59E-07	4.31E-05	2.02E-05	3.00E-04	2.88E-05	9.50E-06	3.59E-04	1.92E-05	5.63E-10	3.84E-07	2.59E-07	1.98E-05
4822	472363.09	3861877.25	4.47E-05	7.15E-10	4.03E-07	2.65E-07	4.53E-05	2.12E-05	3.15E-04	3.02E-05	9.72E-06	3.76E-04	2.02E-05	5.91E-10	4.03E-07	2.65E-07	2.09E-05
4823	472863.09	3861877.25	4.66E-05	7.56E-10	4.19E-07	2.72E-07	4.73E-05	2.22E-05	3.33E-04	3.14E-05	9.98E-06	3.97E-04	2.11E-05	6.24E-10	4.19E-07	2.72E-07	2.18E-05
4824	473363.09	3861877.25	4.82E-05	7.98E-10	4.35E-07	2.81E-07	4.89E-05	2.29E-05	3.52E-04	3.26E-05	1.03E-05	4.17E-04	2.18E-05	6.59E-10	4.35E-07	2.81E-07	2.25E-05
4825	473863.09	3861877.25	4.96E-05	8.34E-10	4.47E-07	2.90E-07	5.03E-05	2.36E-05	3.67E-04	3.36E-05	1.06E-05	4.35E-04	2.24E-05	6.89E-10	4.47E-07	2.90E-07	2.32E-05
4826	474363.09	3861877.25	5.09E-05	8.77E-10	4.57E-07	3.00E-07	5.17E-05	2.42E-05	3.86E-04	3.43E-05	1.10E-05	4.56E-04	2.30E-05	7.24E-10	4.57E-07	3.00E-07	2.38E-05
4827	474863.09	3861877.25	5.26E-05	9.11E-10	4.65E-07	3.11E-07	5.33E-05	2.50E-05	4.01E-04	3.49E-05	1.14E-05	4.73E-04	2.38E-05	7.53E-10	4.65E-07	3.11E-07	2.46E-05
4828	475363.09	3861877.25	5.45E-05	9.53E-10	4.74E-07	3.19E-07	5.53E-05	2.59E-05	4.20E-04	3.55E-05	1.17E-05	4.93E-04	2.47E-05	7.88E-10	4.74E-07	3.19E-07	2.55E-05
4829	475863.09	3861877.25	5.67E-05	1.01E-09	4.84E-07	3.26E-07	5.75E-05	2.69E-05	4.45E-04	3.63E-05	1.20E-05	5.20E-04	2.56E-05	8.34E-10	4.84E-07	3.26E-07	2.65E-05
4830	476363.09	3861877.25	5.88E-05	1.04E-09	5.00E-07	3.39E-07	5.96E-05	2.80E-05	4.60E-04	3.75E-05	1.24E-05	5.38E-04	2.66E-05	8.63E-10	5.00E-07	3.39E-07	2.74E-05
4831	476863.09	3861877.25	6.07E-05	1.04E-09	5.32E-07	3.60E-07	6.16E-05	2.89E-05	4.56E-04	3.99E-05	1.32E-05	5.38E-04	2.75E-05	8.56E-10	5.32E-07	3.60E-07	2.83E-05
4832	477363.09	3861877.25	6.14E-05	1.00E-09	5.86E-07	3.82E-07	6.24E-05	2.92E-05	4.41E-04	4.39E-05	1.40E-05	5.28E-04	2.78E-05	8.26E-10	5.86E-07	3.82E-07	2.88E-05
4833	477863.09	3861877.25	5.51E-05	6.64E-10	8.32E-07	4.62E-07	5.64E-05	2.62E-05	2.92E-04	6.24E-05	1.69E-05	3.98E-04	2.49E-05	5.48E-10	8.32E-07	4.62E-07	2.62E-05
4834	478363.09	3861877.25	2.97E-05	3.08E-10	4.98E-07	3.19E-07	3.05E-05	1.41E-05	1.35E-04	3.74E-05	1.17E-05	1.99E-04	1.34E-05	2.54E-10	4.98E-07	3.19E-07	1.43E-05
4835	478863.09	3861877.25	4.90E-05	5.19E-10	6.26E-07	3.81E-07	5.00E-05	2.33E-05	2.28E-04	4.69E-05	1.40E-05	3.13E-04	2.22E-05	4.28E-10	6.26E-07	3.81E-07	2.32E-05
4836	479363.09	3861877.25	4.70E-05	4.69E-10	5.84E-07	3.75E-07	4.80E-05	2.24E-05	2.06E-04	4.38E-05	1.37E-05	2.86E-04	2.13E-05	3.87E-10	5.84E-07	3.75E-07	2.22E-05
4837	479863.09	3861877.25	7.69E-05	1.46E-09	6.01E-07	4.34E-07	7.79E-05	3.66E-05	6.44E-04	4.51E-05	1.59E-05	7.42E-04	3.48E-05	1.21E-09	6.01E-07	4.34E-07	3.58E-05
4838	480363.09	3861877.25	8.21E-05	1.95E-09	6.05E-07	4.03E-07	8.32E-05	3.91E-05	8.57E-04	4.54E-05	1.48E-05	9.56E-04	3.72E-05	1.61E-09	6.05E-07	4.03E-07	3.82E-05
4839	480863.09	3861877.25	8.75E-05	2.15E-09	6.39E-07	4.18E-07	8.86E-05	4.16E-05	9.48E-04	4.79E-05	1.53E-05	1.05E-03	3.96E-05	1.78E-09	6.39E-07	4.18E-07	4.07E-05
4840	481363.09	3861877.25	9.34E-05	2.34E-09	6.59E-07	4.28E-07	9.45E-05	4.44E-05	1.03E-03	4.94E-05	1.57E-05	1.14E-03	4.23E-05	1.93E-09	6.59E-07	4.28E-07	4.34E-05
4841	481863.09	3861877.25	9.90E-05	2.50E-09	6.72E-07	4.42E-07	1.00E-04	4.71E-05	1.10E-03	5.04E-05	1.62E-05	1.21E-03	4.48E-05	2.06E-09	6.72E-07	4.42E-07	4.59E-05
4842	482363.09	3861877.25	1.03E-04	2.69E-09	6.89E-07	4.51E-07	1.04E-04	4.91E-05	1.19E-03	5.17E-05	1.65E-05	1.30E-03	4.67E-05	2.22E-09	6.89E-07	4.51E-07	4.78E-05
4843	482863.09	3861877.25	1.08E-04	2.91E-09	7.02E-07	4.70E-07	1.09E-04	5.12E-05	1.28E-03	5.27E-05	1.72E-05	1.40E-03	4.87E-05	2.40E-09	7.02E-07	4.70E-07	4.99E-05
4844	483363.09	3861877.25	1.11E-04	3.15E-09	6.91E-07	4.92E-07	1.12E-04	5.29E-05	1.39E-03	5.19E-05	1.80E-05	1.51E-03	5.03E-05	2.61E-09	6.91E-07	4.92E-07	5.15E-05
4845	483863.09	3861877.25	1.13E-04	3.42E-09	6.29E-07	5.11E-07	1.14E-04	5.37E-05	1.50E-03	4.72E-05	1.88E-05	1.62E-03	5.11E-05	2.82E-09	6.29E-07	5.11E-07	5.22E-05
4846	484363.09	3861877.25	1.12E-04	3.75E-09	5.72E-07	5.31E-07	1.13E-04	5.31E-05	1.65E-03	4.29E-05	1.95E-05	1.77E-03	5.06E-05	3.09E-09	5.72E-07	5.31E-07	5.17E-05
4847	484863.09	3861877.25	1.10E-04	4.12E-09	5.19E-07	5.38E-07	1.11E-04	5.23E-05	1.82E-03	3.89E-05	1.97E-05	1.93E-03	4.98E-05	3.40E-09	5.19E-07	5.38E-07	5.08E-05
4848	485363.09	3861877.25	1.06E-04	4.49E-09	4.72E-07	5.36E-07	1.07E-04	5.06E-05	1.98E-03	3.54E-05	1.97E-05	2.08E-03	4.81E-05	3.71E-09	4.72E-07	5.36E-07	4.91E-05
4849	485863.09	3861877.25	1.00E-04	4.80E-09	5.25E-07	5.24E-07	1.02E-04	4.78E-05	2.11E-03	3.94E-05	1.92E-05	2.22E-03	4.54E-05	3.96E-09	5.25E-07	5.24E-07	4.65E-05
4850	486363.09	3861877.25	9.84E-05	5.21E-09	4.17E-07	5.34E-07	9.94E-05	4.68E-05	2.29E-03	3.13E-05	1.96E-05	2.39E-03	4.45E-05	4.30E-09	4.17E-07	5.34E-07	4.55E-05
4851	486863.09	3861877.25	9.85E-05	5.66E-09	3.98E-07	5.39E-07	9.94E-05	4.68E-05	2.49E-03	2.99E-05	1.98E-05	2.59E-03	4.45E-05	4.68E-09	3.98E-07	5.39E-07	4.55E-05
4852	487363.09	3861877.25	1.00E-04	6.10E-09	4.68E-07	5.32E-07	1.01E-04	4.76E-05	2.69E-03	3.51E-05	1.95E-05	2.79E-03	4.53E-05	5.04E-09	4.68E-07	5.32E-07	4.63E-05
4853	487863.09	3861877.25	1.01E-04	6.25E-09	5.81E-07	5.66E-07	1.03E-04	4.82E-05	2.75E-03	4.36E-05	2.07E-05	2.87E-03	4.59E-05	5.17E-09	5.81E-07	5.66E-07	4.70E-05
4854	488363.09	3861877.25	9.92E-05	6.16E-09	5.29E-07	5.98E-07	1.00E-04	4.71E-05	2.71E-03	3.97E-05	2.19E-05	2.82E-03	4.49E-05	5.09E-09	5.29E-07	5.98E-07	4.60E-05
4855	488863.09	3861877.25	9.97E-05	6.22E-09	3.92E-07	6.06E-07	1.01E-04	4.74E-05	2.74E-03	2.94E-05	2.22E-05	2.84E-03	4.51E-05	5.14E-09	3.92E-07	6.06E-07	4.61E-05
4856	489363.09	3861877.25	1.03E-04	6.38E-09	3.50E-07	5.78E-07	1.04E-04	4.89E-05	2.81E-03	2.63E-05	2.12E-05	2.91E-03	4.65E-05	5.27E-09	3.50E-07	5.78E-07	4.75E-05
4857	489863.09	3861877.25	1.05E-04	6.54E-09	3.85E-07	6.13E-07	1.06E-04	4.98E-05	2.88E-03	2.89E-05	2.25E-05	2.98E-03	4.74E-05	5.40E-09	3.85E-07	6.13E-07	4.84E-05
4858	490363.09	3861877.25	1.06E-04	6.51E-09	5.15E-07	5.99E-07	1.07E-04	5.03E-05	2.87E-03	3.87E-05	2.20E-05	2.98E-03	4.79E-05	5.38E-09	5.15E-07	5.99E-07	4.90E-05
4859	490863.09	3861877.25	1.06E-04	6.39E-09	6.22E-07	5.92E-07	1.08E-04	5.06E-05	2.81E-03	4.66E-05	2.17E-05	2.93E-03	4.81E-05	5.28E-09	6.22E-07	5.92E-07	4.94E-05
4860	491363.09	3861877.25	1.08E-04	6.36E-09	6.30E-07	5.86E-07	1.10E-04	5.15E-05	2.80E-03	4.73E-05	2.15E-05	2.92E-03	4.90E-05	5.26E-09	6.30E-07	5.86E-07	5.02E-05
4861	491863.09	3861877.25	1.14E-04	6.34E-09	6.34E-07	5.91E-07	1.16E-04	5.43E-05	2.79E-03	4.76E-05	2.17E-05	2.92E-03	5.17E-05	5.24E-09	6.34E-07	5.91E-07	5.29E-05
4862	492363.09	3861877.25	1.13E-04	6.16E-09	6.68E-07	5.94E-07	1.14E-04	5.35E-05	2.71E-03	5.01E-05	2.18E-05	2.84E-03	5.09E-05	5.09E-09	6.68E-07	5.94E-07	5.22E-05
4863	492863.09	3861877.25	1.06E-04	6.03E-09	6.46E-07	6.04E-07	1.07E-04	5.04E-05	2.66E-03	4.84E-05	2.22E-05	2.78E-03	4.79E-05	4.98E-09	6.46E-07	6.04E-07	4.92E-05
4864	493363.09	3861877.25	1.01E-04	5.88E-09	6.13E-07	6.12E-07	1.03E-04	4.82E-05	2.59E-03	4.60E-05	2.24E-05	2.71E-03	4.59E-05	4.86E-09	6.13E-07	6.12E-07	4.71E-05
4865	493863.09	3861877.25	1.00E-04	5.67E-09	6.34E-07	6.16E-07	1.02E-04	4.78E-05	2.50E-03	4.75E-05	2.26E-05	2.62E-03	4.54E-05	4.68E-09	6.34E-07	6.16E-07	4.67E-05
4866	494363.09	3861877.25	1.01E-04	5.43E-09	6.77E-07	6.15E-07	1.02E-04	4.79E-05	2.39E-03	5.08E-05	2.25E-05	2.51E-03	4.56E-05	4.49E-09	6.77E-07	6.15E-07	4.69E-05
4867	494863.09	3861877.25	1.03E-04	5.22E-09	6.96E-07	6.16E-07	1.04E-04	4.88E-05	2.30E-03	5.22E-05	2.26E-05	2.42E-03	4.65E-05	4.31E-09	6.96E-07	6.16E-07	4.78E-05
4868	495363.09	3861877.25	1.06E-04	4.99E-09	6.78E-07	6.16E-07	1.08E-04	5.05E-05	2.20E-03	5.08E-05	2.26E-05	2.32E-03	4.81E-05	4.12E-09	6.78E-07	6.16E-07	4.94E-05
4869	495863.09	3861877.25	1.11E-04	4.77E-09	6.63E-07	6.16E-07	1.12E-04	5.25E-05	2.10E-03	4.97E-05	2.26E-05	2.23E-03	5.00E-05	3.94E-09	6.63E-07	6.16E-07	5.13E-05
4870	496363.09	3861877.25	1.14E-04	4.58E-09	6.76E-07	6.19E-07	1.15E-04	5.41E-05	2.02E-03	5.07E-05	2.27E-05	2.14E-03	5.15E-05	3.78E-09	6.76E-07	6.19E-07	5.28E-05
4871	496863.09	3861877.25	1.21E-04	4.43E-09	7.94E-07	6.50E-07	1.23E-04	5.77E-05	1.95E-03	5.96E-05	2.38E-05	2.09E-03	5.49E-05	3.66E-09	7.94E-07	6.50E-07	5.64E-05
4872	497363.09	3861877.25	1.16E-04	4.27E-09	7.70E-07	6.45E-07	1.17E-04	5.49E-05	1.88E-03	5.77E-05	2.36E-05	2.02E-03	5.23E-05	3.53E-09	7.70E-07	6.45E-07	5.37E-05
4873	497863.09	3861877.25	1.12E-04	4.08E-09	7.86E-07	6.36E-07	1.13E-04	5.30E-05	1.80E-03	5.89E-05	2.33E-05	1.93E-03	5.04E-05	3.37E-09	7.86E-07	6.36E-07	5.19E-05
4874	498363.09	3861877.25	1.08E-04	3.91E-09	8.01E-07	6.35E-07	1.10E-04	5.16E-05	1.72E-03	6.01E-05	2.33E-05	1.86E-03	4.91E-05	3.23E-09	8.01E-07	6.35E-07	5.05E-05
4875	471363.09	3862377.25	3.97E-05	6.47E-10	3.90E-07	2.44E-07	4.04E-05	1.89E-05	2.85E-04	2.92E-05	8.94E-06	3.42E-04	1.80E-05	5.35E-10	3.90E-07	2.44E-07	1.86E-05
4876	471863.09	3862377.25	4.14E-05	6.75E-10	4.01E-07	2.51E-07	4.20E-05	1.97E-05	2.97E-04	3.00E-05	9.22E-06	3.56E-04	1.87E-05	5.58E-10	4.01E-07	2.51E-07	1.94E-05

4877	472363.09	3862377.25	4.27E-05	7.13E-10	4.08E-07	2.58E-07	4.34E-05	2.03E-05	3.14E-04	3.06E-05	9.47E-06	3.74E-04	1.93E-05	5.89E-10	4.08E-07	2.58E-07	2.00E-05
4878	472863.09	3862377.25	4.38E-05	7.51E-10	4.15E-07	2.66E-07	4.45E-05	2.08E-05	3.31E-04	3.11E-05	9.76E-06	3.92E-04	1.98E-05	6.20E-10	4.15E-07	2.66E-07	2.05E-05
4879	473363.09	3862377.25	4.49E-05	7.88E-10	4.21E-07	2.75E-07	4.56E-05	2.13E-05	3.47E-04	3.16E-05	1.01E-05	4.10E-04	2.03E-05	6.51E-10	4.21E-07	2.75E-07	2.10E-05
4880	473863.09	3862377.25	4.61E-05	8.23E-10	4.28E-07	2.84E-07	4.68E-05	2.19E-05	3.63E-04	3.21E-05	1.04E-05	4.27E-04	2.09E-05	6.80E-10	4.28E-07	2.84E-07	2.16E-05
4881	474363.09	3862377.25	4.76E-05	8.52E-10	4.36E-07	2.94E-07	4.83E-05	2.26E-05	3.75E-04	3.27E-05	1.08E-05	4.41E-04	2.15E-05	7.04E-10	4.36E-07	2.94E-07	2.22E-05
4882	474863.09	3862377.25	4.93E-05	8.73E-10	4.49E-07	3.05E-07	5.00E-05	2.34E-05	3.84E-04	3.37E-05	1.12E-05	4.53E-04	2.23E-05	7.21E-10	4.49E-07	3.05E-07	2.30E-05
4883	475363.09	3862377.25	5.09E-05	9.33E-10	4.63E-07	3.10E-07	5.16E-05	2.42E-05	4.11E-04	3.47E-05	1.14E-05	4.81E-04	2.30E-05	7.70E-10	4.63E-07	3.10E-07	2.38E-05
4884	475863.09	3862377.25	5.23E-05	9.91E-10	4.74E-07	3.17E-07	5.31E-05	2.49E-05	4.36E-04	3.55E-05	1.16E-05	5.08E-04	2.36E-05	8.18E-10	4.74E-07	3.17E-07	2.44E-05
4885	476363.09	3862377.25	5.34E-05	1.04E-09	4.82E-07	3.25E-07	5.42E-05	2.54E-05	4.57E-04	3.62E-05	1.19E-05	5.31E-04	2.42E-05	8.58E-10	4.82E-07	3.25E-07	2.50E-05
4886	476863.09	3862377.25	5.42E-05	1.08E-09	4.89E-07	3.35E-07	5.50E-05	2.58E-05	4.75E-04	3.67E-05	1.23E-05	5.50E-04	2.45E-05	8.91E-10	4.89E-07	3.35E-07	2.53E-05
4887	477363.09	3862377.25	5.46E-05	1.07E-09	5.05E-07	3.54E-07	5.55E-05	2.60E-05	4.71E-04	3.79E-05	1.30E-05	5.48E-04	2.47E-05	8.84E-10	5.05E-07	3.54E-07	2.56E-05
4888	477863.09	3862377.25	5.30E-05	7.83E-10	6.91E-07	4.53E-07	5.41E-05	2.52E-05	3.45E-04	5.18E-05	1.66E-05	4.38E-04	2.40E-05	6.46E-10	6.91E-07	4.53E-07	2.51E-05
4889	478363.09	3862377.25	4.85E-05	5.60E-10	6.40E-07	4.12E-07	4.96E-05	2.31E-05	2.47E-04	4.80E-05	1.51E-05	3.33E-04	2.19E-05	4.63E-10	6.40E-07	4.12E-07	2.30E-05
4890	478863.09	3862377.25	5.27E-05	6.12E-10	5.68E-07	3.78E-07	5.36E-05	2.50E-05	2.70E-04	4.26E-05	1.39E-05	3.51E-04	2.38E-05	5.06E-10	5.68E-07	3.78E-07	2.48E-05
4891	479363.09	3862377.25	6.15E-05	7.97E-10	6.09E-07	3.98E-07	6.25E-05	2.92E-05	3.51E-04	4.57E-05	1.46E-05	4.40E-04	2.78E-05	6.58E-10	6.09E-07	3.98E-07	2.88E-05
4892	479863.09	3862377.25	7.13E-05	1.50E-09	5.79E-07	3.87E-07	7.23E-05	3.39E-05	6.61E-04	4.34E-05	1.42E-05	7.53E-04	3.23E-05	1.24E-09	5.79E-07	3.87E-07	3.32E-05
4893	480363.09	3862377.25	7.55E-05	1.84E-09	5.89E-07	3.92E-07	7.65E-05	3.59E-05	8.11E-04	4.42E-05	1.44E-05	9.05E-04	3.42E-05	1.52E-09	5.89E-07	3.92E-07	3.52E-05
4894	480863.09	3862377.25	8.01E-05	2.00E-09	6.05E-07	4.01E-07	8.12E-05	3.81E-05	8.83E-04	4.54E-05	1.47E-05	9.81E-04	3.63E-05	1.66E-09	6.05E-07	4.01E-07	3.73E-05
4895	481363.09	3862377.25	8.54E-05	2.15E-09	6.17E-07	4.06E-07	8.64E-05	4.06E-05	9.48E-04	4.63E-05	1.49E-05	1.05E-03	3.86E-05	1.78E-09	6.17E-07	4.06E-07	3.96E-05
4896	481863.09	3862377.25	8.92E-05	2.31E-09	6.30E-07	4.12E-07	9.02E-05	4.24E-05	1.02E-03	4.73E-05	1.51E-05	1.12E-03	4.03E-05	1.91E-09	6.30E-07	4.12E-07	4.14E-05
4897	482363.09	3862377.25	9.19E-05	2.47E-09	6.38E-07	4.17E-07	9.29E-05	4.37E-05	1.09E-03	4.78E-05	1.53E-05	1.19E-03	4.16E-05	2.04E-09	6.38E-07	4.17E-07	4.26E-05
4898	482863.09	3862377.25	9.50E-05	2.62E-09	6.16E-07	4.33E-07	9.61E-05	4.52E-05	1.16E-03	4.62E-05	1.59E-05	1.26E-03	4.30E-05	2.17E-09	6.16E-07	4.33E-07	4.40E-05
4899	483363.09	3862377.25	9.81E-05	2.76E-09	5.65E-07	4.51E-07	9.91E-05	4.66E-05	1.22E-03	4.24E-05	1.65E-05	1.32E-03	4.44E-05	2.28E-09	5.65E-07	4.51E-07	4.54E-05
4900	483863.09	3862377.25	9.76E-05	2.98E-09	5.15E-07	4.71E-07	9.86E-05	4.64E-05	1.31E-03	3.87E-05	1.73E-05	1.41E-03	4.42E-05	2.46E-09	5.15E-07	4.71E-07	4.52E-05
4901	484363.09	3862377.25	9.72E-05	3.18E-09	4.79E-07	4.76E-07	9.82E-05	4.62E-05	1.40E-03	3.59E-05	1.75E-05	1.50E-03	4.40E-05	2.63E-09	4.79E-07	4.76E-07	4.49E-05
4902	484863.09	3862377.25	9.49E-05	3.39E-09	4.29E-07	4.70E-07	9.58E-05	4.51E-05	1.49E-03	3.21E-05	1.72E-05	1.59E-03	4.29E-05	2.80E-09	4.29E-07	4.70E-07	4.38E-05
4903	485363.09	3862377.25	9.21E-05	3.62E-09	4.84E-07	4.54E-07	9.30E-05	4.38E-05	1.59E-03	3.63E-05	1.66E-05	1.69E-03	4.17E-05	2.99E-09	4.84E-07	4.54E-07	4.26E-05
4904	485863.09	3862377.25	8.77E-05	3.86E-09	4.70E-07	4.37E-07	8.86E-05	4.17E-05	1.70E-03	3.53E-05	1.60E-05	1.79E-03	3.97E-05	3.19E-09	4.70E-07	4.37E-07	4.06E-05
4905	486363.09	3862377.25	8.52E-05	4.15E-09	3.58E-07	4.29E-07	8.60E-05	4.05E-05	1.83E-03	2.69E-05	1.57E-05	1.91E-03	3.86E-05	3.43E-09	3.58E-07	4.29E-07	3.93E-05
4906	486863.09	3862377.25	8.51E-05	4.33E-09	3.73E-07	4.26E-07	8.59E-05	4.04E-05	1.91E-03	2.80E-05	1.56E-05	1.99E-03	3.85E-05	3.58E-09	3.73E-07	4.26E-07	3.93E-05
4907	487363.09	3862377.25	8.68E-05	4.51E-09	4.49E-07	4.28E-07	8.77E-05	4.13E-05	1.99E-03	3.37E-05	1.57E-05	2.08E-03	3.93E-05	3.72E-09	4.49E-07	4.28E-07	4.02E-05
4908	487863.09	3862377.25	8.89E-05	4.55E-09	5.46E-07	4.54E-07	9.00E-05	4.23E-05	2.00E-03	4.10E-05	1.66E-05	2.10E-03	4.02E-05	3.76E-09	5.46E-07	4.54E-07	4.12E-05
4909	488363.09	3862377.25	8.73E-05	4.42E-09	4.99E-07	4.79E-07	8.82E-05	4.15E-05	1.95E-03	3.74E-05	1.76E-05	2.04E-03	3.95E-05	3.65E-09	4.99E-07	4.79E-07	4.05E-05
4910	488863.09	3862377.25	8.60E-05	4.45E-09	3.67E-07	4.71E-07	8.68E-05	4.09E-05	1.96E-03	2.75E-05	1.73E-05	2.04E-03	3.89E-05	3.67E-09	3.67E-07	4.71E-07	3.97E-05
4911	489363.09	3862377.25	8.87E-05	4.56E-09	3.32E-07	4.51E-07	8.95E-05	4.22E-05	2.01E-03	2.49E-05	1.65E-05	2.09E-03	4.01E-05	3.77E-09	3.32E-07	4.51E-07	4.09E-05
4912	489863.09	3862377.25	9.15E-05	4.67E-09	3.20E-07	4.83E-07	9.23E-05	4.35E-05	2.06E-03	2.40E-05	1.77E-05	2.14E-03	4.14E-05	3.86E-09	3.20E-07	4.83E-07	4.22E-05
4913	490363.09	3862377.25	9.20E-05	4.78E-09	3.95E-07	4.98E-07	9.29E-05	4.37E-05	2.11E-03	2.97E-05	1.82E-05	2.20E-03	4.16E-05	3.95E-09	3.95E-07	4.98E-07	4.25E-05
4914	490863.09	3862377.25	9.37E-05	4.76E-09	5.20E-07	4.85E-07	9.47E-05	4.45E-05	2.10E-03	3.90E-05	1.78E-05	2.20E-03	4.24E-05	3.93E-09	5.20E-07	4.85E-07	4.34E-05
4915	491363.09	3862377.25	9.34E-05	4.64E-09	5.77E-07	4.79E-07	9.45E-05	4.44E-05	2.04E-03	4.32E-05	1.76E-05	2.15E-03	4.23E-05	3.84E-09	5.77E-07	4.79E-07	4.33E-05
4916	491863.09	3862377.25	9.43E-05	4.56E-09	5.70E-07	4.68E-07	9.53E-05	4.48E-05	2.01E-03	4.27E-05	1.71E-05	2.11E-03	4.26E-05	3.76E-09	5.70E-07	4.68E-07	4.37E-05
4917	492363.09	3862377.25	9.94E-05	4.58E-09	5.71E-07	4.66E-07	1.00E-04	4.72E-05	2.02E-03	4.28E-05	1.71E-05	2.13E-03	4.50E-05	3.78E-09	5.71E-07	4.66E-07	4.60E-05
4918	492863.09	3862377.25	9.94E-05	4.59E-09	6.06E-07	4.72E-07	1.00E-04	4.73E-05	2.02E-03	4.54E-05	1.73E-05	2.13E-03	4.50E-05	3.79E-09	6.06E-07	4.72E-07	4.61E-05
4919	493363.09	3862377.25	9.41E-05	4.55E-09	5.91E-07	4.80E-07	9.51E-05	4.47E-05	2.00E-03	4.43E-05	1.76E-05	2.11E-03	4.26E-05	3.76E-09	5.91E-07	4.80E-07	4.36E-05
4920	493863.09	3862377.25	8.93E-05	4.49E-09	5.49E-07	4.87E-07	9.03E-05	4.24E-05	1.98E-03	4.12E-05	1.78E-05	2.08E-03	4.04E-05	3.71E-09	5.49E-07	4.87E-07	4.14E-05
4921	494363.09	3862377.25	8.77E-05	4.41E-09	5.47E-07	4.92E-07	8.87E-05	4.17E-05	1.94E-03	4.10E-05	1.80E-05	2.04E-03	3.97E-05	3.64E-09	5.47E-07	4.92E-07	4.07E-05
4922	494863.09	3862377.25	8.78E-05	4.30E-09	5.83E-07	4.95E-07	8.89E-05	4.18E-05	1.89E-03	4.38E-05	1.82E-05	2.00E-03	3.97E-05	3.55E-09	5.83E-07	4.95E-07	4.08E-05
4923	495363.09	3862377.25	8.78E-05	4.12E-09	6.14E-07	4.93E-07	8.89E-05	4.17E-05	1.82E-03	4.61E-05	1.81E-05	1.92E-03	3.97E-05	3.41E-09	6.14E-07	4.93E-07	4.08E-05
4924	495863.09	3862377.25	8.94E-05	3.98E-09	6.14E-07	4.93E-07	9.05E-05	4.25E-05	1.75E-03	4.61E-05	1.81E-05	1.86E-03	4.05E-05	3.28E-09	6.14E-07	4.93E-07	4.16E-05
4925	496363.09	3862377.25	9.24E-05	3.83E-09	5.89E-07	4.93E-07	9.35E-05	4.40E-05	1.69E-03	4.42E-05	1.81E-05	1.79E-03	4.18E-05	3.16E-09	5.89E-07	4.93E-07	4.29E-05
4926	496863.09	3862377.25	9.69E-05	3.74E-09	5.76E-07	4.99E-07	9.80E-05	4.61E-05	1.65E-03	4.32E-05	1.83E-05	1.75E-03	4.38E-05	3.09E-09	5.76E-07	4.99E-07	4.49E-05
4927	497363.09	3862377.25	9.84E-05	3.59E-09	5.79E-07	5.00E-07	9.95E-05	4.68E-05	1.58E-03	4.34E-05	1.83E-05	1.69E-03	4.45E-05	2.97E-09	5.79E-07	5.00E-07	4.56E-05
4928	497863.09	3862377.25	9.83E-05	3.47E-09	6.03E-07	5.04E-07	9.94E-05	4.67E-05	1.53E-03	4.52E-05	1.85E-05	1.64E-03	4.45E-05	2.87E-09	6.03E-07	5.04E-07	4.56E-05
4929	498363.09	3862377.25	9.63E-05	3.34E-09	6.30E-07	5.05E-07	9.74E-05	4.58E-05	1.47E-03	4.73E-05	1.85E-05	1.58E-03	4.36E-05	2.76E-09	6.30E-07	5.05E-07	4.47E-05
4930	471363.09	3862877.25	3.82E-05	6.37E-10	3.79E-07	2.42E-07	3.88E-05	1.81E-05	2.81E-04	2.84E-05	8.87E-06	3.36E-04	1.73E-05	5.26E-10	3.79E-07	2.42E-07	1.79E-05
4931	471863.09	3862877.25	3.91E-05	6.69E-10	3.84E-07	2.50E-07	3.97E-05	1.86E-05	2.95E-04	2.88E-05	9.16E-06	3.51E-04	1.77E-05	5.52E-10	3.84E-07	2.50E-07	1.83E-05
4932	472363.09	3862877.25	4.00E-05	7.03E-10	3.91E-07	2.58E-07	4.06E-05	1.90E-05	3.10E-04	2.93E-05	9.47E-06	3.67E-04	1.81E-05	5.81E-10	3.91E-07	2.58E-07	1.87E-05
4933	472863.09	3862877.25	4.09E-05	7.33E-10	3.99E-07	2.66E-07	4.16E-05	1.95E-05	3.23E-04	2.99E-05	9.76E-06	3.82E-04	1.85E-05	6.06E-10	3.99E-07	2.66E-07	1.92E-05
4934	473363.09	3862877.25	4.20E-05	7.65E-10	4.10E-07	2.74E-07	4.27E-05	2.00E-05	3.37E-04	3.07E-05	1.00E-05	3.98E-04	1.90E-05	6.32E-10	4.10E-07	2.74E-07	1.97E-05
4935	473863.09	3862877.25	4.32E-05	7.98E-10	4.22E-07	2.82E-07	4.39E-05	2.05E-05	3.51E-04	3.16E-05	1.03E-05	4.14E-04	1.95E-05	6.59E-10	4.22E-07	2.82E-07	2.02E-05
4936	474363.09	3862877.25	4.45E-05	8.28E-10	4.32E-07	2.89E-07	4.52E-05	2.12E-05	3.65E-04	3.24E-05	1.06E-05	4.29E-04	2.01E-05	6.84E-10	4.32E-07	2.89E-07	2.09E-05
4937	474863.09	3862877.25	4.56E-05	8.64E-10	4.40E-07	2.98E-07	4.63E-05	2.17E-05	3.81E-04	3.30E-05	1.09E-05	4.46E-04	2.06E-05	7.14E-10	4.40E-07	2.98E-07	2.14E-05

4938	475363.09	3862877.25	4.64E-05	9.16E-10	4.41E-07	3.03E-07	4.71E-05	2.21E-05	4.03E-04	3.30E-05	1.11E-05	4.69E-04	2.10E-05	7.56E-10	4.41E-07	3.03E-07	2.17E-05
4939	475863.09	3862877.25	4.70E-05	9.67E-10	4.37E-07	3.09E-07	4.77E-05	2.23E-05	4.26E-04	3.28E-05	1.13E-05	4.92E-04	2.12E-05	7.99E-10	4.37E-07	3.09E-07	2.20E-05
4940	476363.09	3862877.25	4.75E-05	1.02E-09	4.33E-07	3.13E-07	4.83E-05	2.26E-05	4.50E-04	3.25E-05	1.15E-05	5.17E-04	2.15E-05	8.45E-10	4.33E-07	3.13E-07	2.22E-05
4941	476863.09	3862877.25	4.85E-05	1.07E-09	4.35E-07	3.19E-07	4.93E-05	2.31E-05	4.71E-04	3.27E-05	1.17E-05	5.38E-04	2.20E-05	8.83E-10	4.35E-07	3.19E-07	2.27E-05
4942	477363.09	3862877.25	5.04E-05	1.10E-09	4.47E-07	3.26E-07	5.11E-05	2.39E-05	4.86E-04	3.36E-05	1.20E-05	5.56E-04	2.28E-05	9.12E-10	4.47E-07	3.26E-07	2.36E-05
4943	477863.09	3862877.25	5.24E-05	1.01E-09	4.86E-07	3.50E-07	5.32E-05	2.49E-05	4.45E-04	3.64E-05	1.29E-05	5.20E-04	2.37E-05	8.35E-10	4.86E-07	3.50E-07	2.45E-05
4944	478363.09	3862877.25	5.22E-05	7.37E-10	5.40E-07	3.64E-07	5.31E-05	2.48E-05	3.25E-04	4.05E-05	1.34E-05	4.03E-04	2.36E-05	6.09E-10	5.40E-07	3.64E-07	2.45E-05
4945	478863.09	3862877.25	5.57E-05	7.84E-10	5.66E-07	3.75E-07	5.66E-05	2.65E-05	3.45E-04	4.24E-05	1.37E-05	4.28E-04	2.52E-05	6.47E-10	5.66E-07	3.75E-07	2.61E-05
4946	479363.09	3862877.25	5.86E-05	8.72E-10	5.72E-07	3.75E-07	5.96E-05	2.79E-05	3.84E-04	4.29E-05	1.37E-05	4.69E-04	2.65E-05	7.20E-10	5.72E-07	3.75E-07	2.75E-05
4947	479863.09	3862877.25	6.61E-05	1.58E-09	5.43E-07	3.63E-07	6.70E-05	3.14E-05	6.96E-04	4.07E-05	1.33E-05	7.81E-04	2.99E-05	1.30E-09	5.43E-07	3.63E-07	3.08E-05
4948	480363.09	3862877.25	6.96E-05	1.74E-09	5.57E-07	3.74E-07	7.05E-05	3.31E-05	7.67E-04	4.18E-05	1.37E-05	8.56E-04	3.15E-05	1.44E-09	5.57E-07	3.74E-07	3.24E-05
4949	480863.09	3862877.25	7.42E-05	1.86E-09	5.70E-07	3.76E-07	7.52E-05	3.53E-05	8.21E-04	4.27E-05	1.38E-05	9.12E-04	3.36E-05	1.54E-09	5.70E-07	3.76E-07	3.45E-05
4950	481363.09	3862877.25	7.80E-05	1.98E-09	5.74E-07	3.79E-07	7.89E-05	3.71E-05	8.73E-04	4.31E-05	1.39E-05	9.67E-04	3.53E-05	1.64E-09	5.74E-07	3.79E-07	3.62E-05
4951	481863.09	3862877.25	8.10E-05	2.05E-09	5.86E-07	3.79E-07	8.20E-05	3.85E-05	9.05E-04	4.39E-05	1.39E-05	1.00E-03	3.66E-05	1.70E-09	5.86E-07	3.79E-07	3.76E-05
4952	482363.09	3862877.25	8.16E-05	2.19E-09	5.43E-07	3.88E-07	8.25E-05	3.88E-05	9.65E-04	4.08E-05	1.42E-05	1.06E-03	3.69E-05	1.81E-09	5.43E-07	3.88E-07	3.78E-05
4953	482863.09	3862877.25	8.47E-05	2.31E-09	5.01E-07	4.00E-07	8.56E-05	4.03E-05	1.02E-03	3.76E-05	1.47E-05	1.11E-03	3.83E-05	1.91E-09	5.01E-07	4.00E-07	3.92E-05
4954	483363.09	3862877.25	8.64E-05	2.44E-09	4.70E-07	4.16E-07	8.73E-05	4.11E-05	1.07E-03	3.53E-05	1.53E-05	1.17E-03	3.91E-05	2.01E-09	4.70E-07	4.16E-07	4.00E-05
4955	483863.09	3862877.25	8.56E-05	2.57E-09	4.36E-07	4.30E-07	8.64E-05	4.07E-05	1.13E-03	3.27E-05	1.58E-05	1.22E-03	3.87E-05	2.12E-09	4.36E-07	4.30E-07	3.96E-05
4956	484363.09	3862877.25	8.47E-05	2.68E-09	3.99E-07	4.25E-07	8.56E-05	4.03E-05	1.18E-03	2.99E-05	1.56E-05	1.27E-03	3.83E-05	2.21E-09	3.99E-07	4.25E-07	3.92E-05
4957	484863.09	3862877.25	8.36E-05	2.83E-09	4.27E-07	4.11E-07	8.44E-05	3.97E-05	1.24E-03	3.20E-05	1.51E-05	1.33E-03	3.78E-05	2.33E-09	4.27E-07	4.11E-07	3.86E-05
4958	485363.09	3862877.25	8.12E-05	3.02E-09	4.94E-07	3.86E-07	8.20E-05	3.86E-05	1.33E-03	3.71E-05	1.41E-05	1.42E-03	3.67E-05	2.50E-09	4.94E-07	3.86E-07	3.76E-05
4959	485863.09	3862877.25	7.66E-05	3.22E-09	3.83E-07	3.71E-07	7.74E-05	3.64E-05	1.42E-03	2.87E-05	1.36E-05	1.50E-03	3.47E-05	2.66E-09	3.83E-07	3.71E-07	3.54E-05
4960	486363.09	3862877.25	7.52E-05	3.41E-09	3.37E-07	3.66E-07	7.59E-05	3.57E-05	1.50E-03	2.53E-05	1.34E-05	1.57E-03	3.40E-05	2.81E-09	3.37E-07	3.66E-07	3.47E-05
4961	486863.09	3862877.25	7.43E-05	3.41E-09	3.50E-07	3.63E-07	7.50E-05	3.53E-05	1.50E-03	2.62E-05	1.33E-05	1.58E-03	3.36E-05	2.82E-09	3.50E-07	3.63E-07	3.43E-05
4962	487363.09	3862877.25	7.61E-05	3.49E-09	4.33E-07	3.63E-07	7.69E-05	3.62E-05	1.54E-03	3.25E-05	1.33E-05	1.62E-03	3.44E-05	2.88E-09	4.33E-07	3.63E-07	3.52E-05
4963	487863.09	3862877.25	7.85E-05	3.51E-09	5.13E-07	3.86E-07	7.94E-05	3.73E-05	1.55E-03	3.85E-05	1.41E-05	1.64E-03	3.55E-05	2.90E-09	5.13E-07	3.86E-07	3.64E-05
4964	488363.09	3862877.25	7.81E-05	3.41E-09	4.73E-07	4.07E-07	7.89E-05	3.71E-05	1.50E-03	3.55E-05	1.49E-05	1.59E-03	3.53E-05	2.82E-09	4.73E-07	4.07E-07	3.62E-05
4965	488863.09	3862877.25	7.56E-05	3.41E-09	3.44E-07	3.87E-07	7.63E-05	3.59E-05	1.50E-03	2.58E-05	1.42E-05	1.58E-03	3.42E-05	2.82E-09	3.44E-07	3.87E-07	3.49E-05
4966	489363.09	3862877.25	7.65E-05	3.49E-09	3.17E-07	3.79E-07	7.72E-05	3.64E-05	1.54E-03	2.38E-05	1.39E-05	1.61E-03	3.46E-05	2.88E-09	3.17E-07	3.79E-07	3.53E-05
4967	489863.09	3862877.25	7.98E-05	3.54E-09	2.85E-07	3.96E-07	8.04E-05	3.79E-05	1.56E-03	2.14E-05	1.45E-05	1.63E-03	3.61E-05	2.92E-09	2.85E-07	3.96E-07	3.68E-05
4968	490363.09	3862877.25	8.07E-05	3.62E-09	3.16E-07	4.21E-07	8.15E-05	3.84E-05	1.59E-03	2.37E-05	1.54E-05	1.67E-03	3.65E-05	2.99E-09	3.16E-07	4.21E-07	3.73E-05
4969	490863.09	3862877.25	8.11E-05	3.70E-09	4.07E-07	4.21E-07	8.19E-05	3.86E-05	1.63E-03	3.06E-05	1.54E-05	1.72E-03	3.67E-05	3.06E-09	4.07E-07	4.21E-07	3.75E-05
4970	491363.09	3862877.25	8.37E-05	3.72E-09	5.09E-07	4.18E-07	8.46E-05	3.98E-05	1.64E-03	3.81E-05	1.53E-05	1.73E-03	3.79E-05	3.07E-09	5.09E-07	4.18E-07	3.88E-05
4971	491863.09	3862877.25	8.20E-05	3.59E-09	5.29E-07	4.09E-07	8.30E-05	3.90E-05	1.58E-03	3.97E-05	1.50E-05	1.67E-03	3.71E-05	2.97E-09	5.29E-07	4.09E-07	3.81E-05
4972	492363.09	3862877.25	8.34E-05	3.51E-09	5.22E-07	4.00E-07	8.43E-05	3.96E-05	1.55E-03	3.92E-05	1.47E-05	1.64E-03	3.77E-05	2.90E-09	5.22E-07	4.00E-07	3.86E-05
4973	492863.09	3862877.25	8.77E-05	3.50E-09	5.20E-07	3.93E-07	8.86E-05	4.17E-05	1.54E-03	3.90E-05	1.44E-05	1.64E-03	3.97E-05	2.89E-09	5.20E-07	3.93E-07	4.06E-05
4974	493363.09	3862877.25	8.84E-05	3.55E-09	5.55E-07	3.96E-07	8.94E-05	4.20E-05	1.56E-03	4.16E-05	1.45E-05	1.66E-03	4.00E-05	2.93E-09	5.55E-07	3.96E-07	4.10E-05
4975	493863.09	3862877.25	8.47E-05	3.58E-09	5.49E-07	4.05E-07	8.56E-05	4.03E-05	1.58E-03	4.12E-05	1.48E-05	1.67E-03	3.83E-05	2.96E-09	5.49E-07	4.05E-07	3.93E-05
4976	494363.09	3862877.25	8.00E-05	3.57E-09	5.05E-07	4.10E-07	8.09E-05	3.80E-05	1.57E-03	3.79E-05	1.50E-05	1.66E-03	3.62E-05	2.95E-09	5.05E-07	4.10E-07	3.71E-05
4977	494863.09	3862877.25	7.74E-05	3.52E-09	4.84E-07	4.11E-07	7.83E-05	3.68E-05	1.55E-03	3.63E-05	1.51E-05	1.64E-03	3.50E-05	2.91E-09	4.84E-07	4.11E-07	3.59E-05
4978	495363.09	3862877.25	7.70E-05	3.47E-09	5.04E-07	4.12E-07	7.80E-05	3.66E-05	1.53E-03	3.78E-05	1.51E-05	1.62E-03	3.49E-05	2.86E-09	5.04E-07	4.12E-07	3.58E-05
4979	495863.09	3862877.25	7.72E-05	3.39E-09	5.41E-07	4.13E-07	7.82E-05	3.67E-05	1.49E-03	4.06E-05	1.52E-05	1.59E-03	3.49E-05	2.80E-09	5.41E-07	4.13E-07	3.59E-05
4980	496363.09	3862877.25	7.78E-05	3.29E-09	5.61E-07	4.13E-07	7.88E-05	3.70E-05	1.45E-03	4.21E-05	1.52E-05	1.54E-03	3.52E-05	2.72E-09	5.61E-07	4.13E-07	3.62E-05
4981	496863.09	3862877.25	7.95E-05	3.19E-09	5.51E-07	4.13E-07	8.05E-05	3.78E-05	1.40E-03	4.13E-05	1.52E-05	1.50E-03	3.60E-05	2.63E-09	5.51E-07	4.13E-07	3.69E-05
4982	497363.09	3862877.25	8.20E-05	3.08E-09	5.22E-07	4.12E-07	8.30E-05	3.90E-05	1.35E-03	3.92E-05	1.51E-05	1.45E-03	3.71E-05	2.54E-09	5.22E-07	4.12E-07	3.80E-05
4983	497863.09	3862877.25	8.46E-05	2.98E-09	5.03E-07	4.15E-07	8.55E-05	4.02E-05	1.31E-03	3.78E-05	1.52E-05	1.41E-03	3.83E-05	2.46E-09	5.03E-07	4.15E-07	3.92E-05
4984	498363.09	3862877.25	8.64E-05	2.91E-09	5.06E-07	4.19E-07	8.73E-05	4.11E-05	1.28E-03	3.80E-05	1.54E-05	1.37E-03	3.91E-05	2.40E-09	5.06E-07	4.19E-07	4.00E-05
4985	471363.09	3863377.25	3.60E-05	6.32E-10	3.67E-07	2.45E-07	3.66E-05	1.71E-05	2.78E-04	2.75E-05	8.97E-06	3.32E-04	1.63E-05	5.22E-10	3.67E-07	2.45E-07	1.69E-05
4986	471863.09	3863377.25	3.67E-05	6.58E-10	3.76E-07	2.52E-07	3.73E-05	1.75E-05	2.90E-04	2.82E-05	9.25E-06	3.45E-04	1.66E-05	5.44E-10	3.76E-07	2.52E-07	1.72E-05
4987	472363.09	3863377.25	3.75E-05	6.86E-10	3.87E-07	2.60E-07	3.81E-05	1.78E-05	3.02E-04	2.90E-05	9.54E-06	3.58E-04	1.70E-05	5.67E-10	3.87E-07	2.60E-07	1.76E-05
4988	472863.09	3863377.25	3.84E-05	7.15E-10	3.98E-07	2.67E-07	3.91E-05	1.83E-05	3.15E-04	2.99E-05	9.79E-06	3.73E-04	1.74E-05	5.90E-10	3.98E-07	2.67E-07	1.80E-05
4989	473363.09	3863377.25	3.93E-05	7.45E-10	4.05E-07	2.73E-07	3.99E-05	1.87E-05	3.28E-04	3.04E-05	1.00E-05	3.87E-04	1.78E-05	6.16E-10	4.05E-07	2.73E-07	1.84E-05
4990	473863.09	3863377.25	4.01E-05	7.77E-10	4.07E-07	2.79E-07	4.08E-05	1.91E-05	3.42E-04	3.06E-05	1.02E-05	4.02E-04	1.81E-05	6.42E-10	4.07E-07	2.79E-07	1.88E-05
4991	474363.09	3863377.25	4.07E-05	8.10E-10	4.06E-07	2.85E-07	4.14E-05	1.94E-05	3.57E-04	3.04E-05	1.05E-05	4.17E-04	1.84E-05	6.69E-10	4.06E-07	2.85E-07	1.91E-05
4992	474863.09	3863377.25	4.11E-05	8.55E-10	4.02E-07	2.89E-07	4.18E-05	1.95E-05	3.77E-04	3.02E-05	1.06E-05	4.37E-04	1.86E-05	7.07E-10	4.02E-07	2.89E-07	1.93E-05
4993	475363.09	3863377.25	4.16E-05	8.99E-10	3.98E-07	2.93E-07	4.23E-05	1.98E-05	3.96E-04	2.99E-05	1.07E-05	4.56E-04	1.88E-05	7.43E-10	3.98E-07	2.93E-07	1.95E-05
4994	475863.09	3863377.25	4.23E-05	9.48E-10	4.00E-07	2.95E-07	4.30E-05	2.01E-05	4.18E-04	3.00E-05	1.08E-05	4.79E-04	1.91E-05	7.83E-10	4.00E-07	2.95E-07	1.98E-05
4995	476363.09	3863377.25	4.34E-05	1.01E-09	4.12E-07	2.96E-07	4.41E-05	2.06E-05	4.44E-04	3.09E-05	1.09E-05	5.07E-04	1.96E-05	8.33E-10	4.12E-07	2.96E-07	2.03E-05
4996	476863.09	3863377.25	4.51E-05	1.07E-09	4.34E-07	2.99E-07	4.58E-05	2.14E-05	4.71E-04	3.25E-05	1.10E-05	5.36E-04	2.04E-05	8.83E-10	4.34E-07	2.99E-07	2.11E-05
4997	477363.09	3863377.25	4.75E-05	1.12E-09	4.58E-07	3.04E-07	4.83E-05	2.26E-05	4.93E-04	3.44E-05	1.11E-05	5.61E-04	2.15E-05	9.25E-10	4.58E-07	3.04E-07	2.23E-05
4998	477863.09	3863377.25	5.05E-05	1.13E-09	4.79E-07	3.17E-07	5.13E-05	2.40E-05	4.98E-04	3.59E-05	1.16E-05	5.69E-04	2.28E-05	9.33E-10	4.79E-07	3.17E-07	2.36E-05

4999	478363.09	3863377.25	5.28E-05	1.00E-09	5.00E-07	3.40E-07	5.37E-05	2.51E-05	4.42E-04	3.75E-05	1.25E-05	5.17E-04	2.39E-05	8.29E-10	5.00E-07	3.40E-07	2.47E-05
5000	478863.09	3863377.25	5.53E-05	1.11E-09	5.08E-07	3.42E-07	5.61E-05	2.63E-05	4.91E-04	3.81E-05	1.25E-05	5.68E-04	2.50E-05	9.20E-10	5.08E-07	3.42E-07	2.59E-05
5001	479363.09	3863377.25	5.84E-05	1.35E-09	5.09E-07	3.39E-07	5.93E-05	2.78E-05	5.93E-04	3.81E-05	1.24E-05	6.71E-04	2.64E-05	1.11E-09	5.09E-07	3.39E-07	2.73E-05
5002	479863.09	3863377.25	6.10E-05	1.53E-09	5.19E-07	3.46E-07	6.19E-05	2.90E-05	6.74E-04	3.89E-05	1.27E-05	7.55E-04	2.76E-05	1.26E-09	5.19E-07	3.46E-07	2.85E-05
5003	480363.09	3863377.25	6.46E-05	1.62E-09	5.20E-07	3.55E-07	6.55E-05	3.07E-05	7.15E-04	3.90E-05	1.30E-05	7.98E-04	2.92E-05	1.34E-09	5.20E-07	3.55E-07	3.01E-05
5004	480863.09	3863377.25	6.87E-05	1.70E-09	5.32E-07	3.54E-07	6.96E-05	3.27E-05	7.48E-04	3.99E-05	1.30E-05	8.34E-04	3.11E-05	1.40E-09	5.32E-07	3.54E-07	3.20E-05
5005	481363.09	3863377.25	7.08E-05	1.78E-09	5.19E-07	3.55E-07	7.17E-05	3.37E-05	7.82E-04	3.89E-05	1.30E-05	8.68E-04	3.20E-05	1.47E-09	5.19E-07	3.55E-07	3.29E-05
5006	481863.09	3863377.25	7.17E-05	1.86E-09	4.87E-07	3.55E-07	7.25E-05	3.41E-05	8.18E-04	3.65E-05	1.30E-05	9.02E-04	3.24E-05	1.53E-09	4.87E-07	3.55E-07	3.33E-05
5007	482363.09	3863377.25	7.33E-05	1.95E-09	4.48E-07	3.61E-07	7.41E-05	3.49E-05	8.60E-04	3.36E-05	1.32E-05	9.41E-04	3.32E-05	1.61E-09	4.48E-07	3.61E-07	3.40E-05
5008	482863.09	3863377.25	7.56E-05	2.04E-09	4.23E-07	3.72E-07	7.64E-05	3.60E-05	9.00E-04	3.17E-05	1.36E-05	9.81E-04	3.42E-05	1.69E-09	4.23E-07	3.72E-07	3.50E-05
5009	483363.09	3863377.25	7.61E-05	2.13E-09	4.01E-07	3.84E-07	7.69E-05	3.62E-05	9.37E-04	3.00E-05	1.41E-05	1.02E-03	3.44E-05	1.76E-09	4.01E-07	3.84E-07	3.52E-05
5010	483863.09	3863377.25	7.52E-05	2.21E-09	3.67E-07	3.89E-07	7.59E-05	3.57E-05	9.74E-04	2.75E-05	1.43E-05	1.05E-03	3.40E-05	1.83E-09	3.67E-07	3.89E-07	3.48E-05
5011	484363.09	3863377.25	7.45E-05	2.31E-09	3.76E-07	3.79E-07	7.52E-05	3.54E-05	1.02E-03	2.82E-05	1.39E-05	1.09E-03	3.37E-05	1.91E-09	3.76E-07	3.79E-07	3.45E-05
5012	484863.09	3863377.25	7.49E-05	2.43E-09	4.67E-07	3.60E-07	7.57E-05	3.56E-05	1.07E-03	3.50E-05	1.32E-05	1.16E-03	3.39E-05	2.01E-09	4.67E-07	3.60E-07	3.47E-05
5013	485363.09	3863377.25	7.17E-05	2.58E-09	4.34E-07	3.35E-07	7.25E-05	3.41E-05	1.14E-03	3.25E-05	1.23E-05	1.21E-03	3.24E-05	2.13E-09	4.34E-07	3.35E-07	3.32E-05
5014	485863.09	3863377.25	6.79E-05	2.74E-09	3.22E-07	3.25E-07	6.86E-05	3.23E-05	1.20E-03	2.42E-05	1.19E-05	1.27E-03	3.07E-05	2.26E-09	3.22E-07	3.25E-07	3.14E-05
5015	486363.09	3863377.25	6.63E-05	2.81E-09	3.22E-07	3.29E-07	6.70E-05	3.15E-05	1.24E-03	2.42E-05	1.21E-05	1.31E-03	3.00E-05	2.32E-09	3.22E-07	3.29E-07	3.07E-05
5016	486863.09	3863377.25	6.58E-05	2.79E-09	3.33E-07	3.19E-07	6.65E-05	3.13E-05	1.23E-03	2.49E-05	1.17E-05	1.29E-03	2.98E-05	2.30E-09	3.33E-07	3.19E-07	3.04E-05
5017	487363.09	3863377.25	6.74E-05	2.80E-09	4.19E-07	3.19E-07	6.82E-05	3.20E-05	1.23E-03	3.14E-05	1.17E-05	1.31E-03	3.05E-05	2.31E-09	4.19E-07	3.19E-07	3.12E-05
5018	487863.09	3863377.25	6.98E-05	2.81E-09	4.83E-07	3.39E-07	7.06E-05	3.32E-05	1.24E-03	3.62E-05	1.24E-05	1.32E-03	3.16E-05	2.32E-09	4.83E-07	3.39E-07	3.24E-05
5019	488363.09	3863377.25	7.01E-05	2.74E-09	4.46E-07	3.56E-07	7.09E-05	3.33E-05	1.21E-03	3.34E-05	1.31E-05	1.29E-03	3.17E-05	2.27E-09	4.46E-07	3.56E-07	3.25E-05
5020	488863.09	3863377.25	6.78E-05	2.72E-09	3.26E-07	3.34E-07	6.85E-05	3.23E-05	1.20E-03	2.44E-05	1.23E-05	1.27E-03	3.07E-05	2.25E-09	3.26E-07	3.34E-07	3.14E-05
5021	489363.09	3863377.25	6.68E-05	2.78E-09	3.02E-07	3.29E-07	6.75E-05	3.18E-05	1.23E-03	2.26E-05	1.21E-05	1.29E-03	3.02E-05	2.30E-09	3.02E-07	3.29E-07	3.09E-05
5022	489863.09	3863377.25	6.92E-05	2.82E-09	2.69E-07	3.35E-07	6.98E-05	3.29E-05	1.24E-03	2.02E-05	1.23E-05	1.31E-03	3.13E-05	2.33E-09	2.69E-07	3.35E-07	3.19E-05
5023	490363.09	3863377.25	7.17E-05	2.85E-09	2.67E-07	3.60E-07	7.23E-05	3.41E-05	1.26E-03	2.00E-05	1.32E-05	1.32E-03	3.24E-05	2.36E-09	2.67E-07	3.60E-07	3.31E-05
5024	490863.09	3863377.25	7.18E-05	2.93E-09	3.22E-07	3.74E-07	7.25E-05	3.41E-05	1.29E-03	2.42E-05	1.37E-05	1.36E-03	3.25E-05	2.42E-09	3.22E-07	3.74E-07	3.32E-05
5025	491363.09	3863377.25	7.24E-05	2.99E-09	4.13E-07	3.69E-07	7.32E-05	3.44E-05	1.31E-03	3.10E-05	1.35E-05	1.39E-03	3.28E-05	2.47E-09	4.13E-07	3.69E-07	3.35E-05
5026	491863.09	3863377.25	7.38E-05	2.99E-09	4.75E-07	3.65E-07	7.47E-05	3.51E-05	1.32E-03	3.57E-05	1.34E-05	1.40E-03	3.34E-05	2.47E-09	4.75E-07	3.65E-07	3.42E-05
5027	492363.09	3863377.25	7.38E-05	2.94E-09	4.97E-07	3.68E-07	7.46E-05	3.51E-05	1.29E-03	3.73E-05	1.35E-05	1.38E-03	3.34E-05	2.42E-09	4.97E-07	3.68E-07	3.42E-05
5028	492863.09	3863377.25	7.66E-05	2.87E-09	5.04E-07	3.70E-07	7.75E-05	3.64E-05	1.26E-03	3.78E-05	1.36E-05	1.35E-03	3.47E-05	2.37E-09	5.04E-07	3.70E-07	3.55E-05
5029	493363.09	3863377.25	8.18E-05	2.82E-09	5.31E-07	3.58E-07	8.26E-05	3.89E-05	1.24E-03	3.98E-05	1.31E-05	1.33E-03	3.70E-05	2.33E-09	5.31E-07	3.58E-07	3.79E-05
5030	493863.09	3863377.25	8.24E-05	2.85E-09	5.63E-07	3.58E-07	8.33E-05	3.92E-05	1.26E-03	4.22E-05	1.31E-05	1.35E-03	3.73E-05	2.35E-09	5.63E-07	3.58E-07	3.82E-05
5031	494363.09	3863377.25	7.81E-05	2.91E-09	5.37E-07	3.67E-07	7.90E-05	3.72E-05	1.28E-03	4.02E-05	1.35E-05	1.37E-03	3.53E-05	2.40E-09	5.37E-07	3.67E-07	3.63E-05
5032	494863.09	3863377.25	7.40E-05	2.94E-09	4.97E-07	3.74E-07	7.48E-05	3.52E-05	1.29E-03	3.73E-05	1.37E-05	1.38E-03	3.35E-05	2.43E-09	4.97E-07	3.74E-07	3.43E-05
5033	495363.09	3863377.25	7.21E-05	2.94E-09	4.77E-07	3.78E-07	7.29E-05	3.43E-05	1.29E-03	3.58E-05	1.39E-05	1.38E-03	3.26E-05	2.43E-09	4.77E-07	3.78E-07	3.35E-05
5034	495863.09	3863377.25	7.19E-05	2.93E-09	4.92E-07	3.78E-07	7.28E-05	3.42E-05	1.29E-03	3.69E-05	1.39E-05	1.37E-03	3.25E-05	2.42E-09	4.92E-07	3.78E-07	3.34E-05
5035	496363.09	3863377.25	6.97E-05	2.88E-09	4.84E-07	3.63E-07	7.06E-05	3.32E-05	1.27E-03	3.63E-05	1.33E-05	1.35E-03	3.15E-05	2.38E-09	4.84E-07	3.63E-07	3.24E-05
5036	496863.09	3863377.25	6.86E-05	2.77E-09	5.05E-07	3.56E-07	6.95E-05	3.26E-05	1.22E-03	3.79E-05	1.30E-05	1.30E-03	3.10E-05	2.29E-09	5.05E-07	3.56E-07	3.19E-05
5037	497363.09	3863377.25	6.93E-05	2.70E-09	5.14E-07	3.55E-07	7.01E-05	3.29E-05	1.19E-03	3.85E-05	1.30E-05	1.27E-03	3.13E-05	2.23E-09	5.14E-07	3.55E-07	3.22E-05
5038	497863.09	3863377.25	7.12E-05	2.63E-09	4.97E-07	3.55E-07	7.21E-05	3.39E-05	1.16E-03	3.73E-05	1.30E-05	1.24E-03	3.22E-05	2.17E-09	4.97E-07	3.55E-07	3.31E-05
5039	498363.09	3863377.25	7.37E-05	2.55E-09	4.69E-07	3.56E-07	7.45E-05	3.50E-05	1.12E-03	3.51E-05	1.30E-05	1.21E-03	3.33E-05	2.11E-09	4.69E-07	3.56E-07	3.41E-05
5040	471363.09	3863877.25	3.38E-05	6.22E-10	3.68E-07	2.46E-07	3.44E-05	1.61E-05	2.74E-04	2.76E-05	9.03E-06	3.26E-04	1.53E-05	5.13E-10	3.68E-07	2.46E-07	1.59E-05
5041	471863.09	3863877.25	3.45E-05	6.38E-10	3.75E-07	2.53E-07	3.51E-05	1.64E-05	2.81E-04	2.81E-05	9.28E-06	3.35E-04	1.56E-05	5.27E-10	3.75E-07	2.53E-07	1.62E-05
5042	472363.09	3863877.25	3.52E-05	6.64E-10	3.79E-07	2.58E-07	3.58E-05	1.67E-05	2.92E-04	2.84E-05	9.47E-06	3.47E-04	1.59E-05	5.48E-10	3.79E-07	2.58E-07	1.66E-05
5043	472863.09	3863877.25	3.57E-05	6.92E-10	3.79E-07	2.63E-07	3.64E-05	1.70E-05	3.05E-04	2.84E-05	9.66E-06	3.60E-04	1.62E-05	5.71E-10	3.79E-07	2.63E-07	1.68E-05
5044	473363.09	3863877.25	3.60E-05	7.25E-10	3.77E-07	2.68E-07	3.67E-05	1.71E-05	3.19E-04	2.83E-05	9.82E-06	3.74E-04	1.63E-05	5.98E-10	3.77E-07	2.68E-07	1.70E-05
5045	473863.09	3863877.25	3.64E-05	7.55E-10	3.71E-07	2.72E-07	3.70E-05	1.73E-05	3.33E-04	2.78E-05	9.98E-06	3.88E-04	1.65E-05	6.24E-10	3.71E-07	2.72E-07	1.71E-05
5046	474363.09	3863877.25	3.68E-05	7.94E-10	3.69E-07	2.76E-07	3.74E-05	1.75E-05	3.50E-04	2.77E-05	1.01E-05	4.05E-04	1.66E-05	6.56E-10	3.69E-07	2.76E-07	1.73E-05
5047	474863.09	3863877.25	3.72E-05	8.41E-10	3.78E-07	2.77E-07	3.78E-05	1.77E-05	3.70E-04	2.84E-05	1.02E-05	4.27E-04	1.68E-05	6.95E-10	3.78E-07	2.77E-07	1.75E-05
5048	475363.09	3863877.25	3.81E-05	8.85E-10	3.86E-07	2.78E-07	3.88E-05	1.81E-05	3.90E-04	2.90E-05	1.02E-05	4.47E-04	1.72E-05	7.31E-10	3.86E-07	2.78E-07	1.79E-05
5049	475863.09	3863877.25	3.91E-05	9.41E-10	4.10E-07	2.79E-07	3.98E-05	1.86E-05	4.15E-04	3.07E-05	1.02E-05	4.74E-04	1.77E-05	7.77E-10	4.10E-07	2.79E-07	1.84E-05
5050	476363.09	3863877.25	4.08E-05	9.91E-10	4.30E-07	2.81E-07	4.15E-05	1.94E-05	4.37E-04	3.23E-05	1.03E-05	4.99E-04	1.84E-05	8.19E-10	4.30E-07	2.81E-07	1.92E-05
5051	476863.09	3863877.25	4.27E-05	1.05E-09	4.52E-07	2.85E-07	4.34E-05	2.03E-05	4.60E-04	3.39E-05	1.05E-05	5.25E-04	1.93E-05	8.63E-10	4.52E-07	2.85E-07	2.00E-05
5052	477363.09	3863877.25	4.51E-05	1.09E-09	4.59E-07	2.92E-07	4.58E-05	2.14E-05	4.82E-04	3.44E-05	1.07E-05	5.48E-04	2.04E-05	9.03E-10	4.59E-07	2.92E-07	2.11E-05
5053	477863.09	3863877.25	4.76E-05	1.12E-09	4.58E-07	2.99E-07	4.84E-05	2.26E-05	4.93E-04	3.44E-05	1.10E-05	5.61E-04	2.16E-05	9.25E-10	4.58E-07	2.99E-07	2.23E-05
5054	478363.09	3863877.25	4.97E-05	1.07E-09	4.73E-07	3.13E-07	5.05E-05	2.36E-05	4.72E-04	3.55E-05	1.15E-05	5.42E-04	2.25E-05	8.84E-10	4.73E-07	3.13E-07	2.33E-05
5055	478863.09	3863877.25	5.18E-05	1.24E-09	4.73E-07	3.09E-07	5.26E-05	2.46E-05	5.46E-04	3.55E-05	1.13E-05	6.18E-04	2.35E-05	1.02E-09	4.73E-07	3.09E-07	2.42E-05
5056	479363.09	3863877.25	5.42E-05	1.34E-09	4.83E-07	3.20E-07	5.50E-05	2.58E-05	5.91E-04	3.62E-05	1.17E-05	6.64E-04	2.45E-05	1.11E-09	4.83E-07	3.20E-07	2.53E-05
5057	479863.09	3863877.25	5.72E-05	1.41E-09	4.87E-07	3.32E-07	5.80E-05	2.72E-05	6.22E-04	3.65E-05	1.22E-05	6.98E-04	2.59E-05	1.17E-09	4.87E-07	3.32E-07	2.67E-05
5058	480363.09	3863877.25	6.04E-05	1.48E-09	4.86E-07	3.36E-07	6.12E-05	2.87E-05	6.50E-04	3.65E-05	1.23E-05	7.27E-04	2.73E-05	1.22E-09	4.86E-07	3.36E-07	2.82E-05
5059	480863.09	3863877.25	6.32E-05	1.53E-09	4.77E-07	3.32E-07	6.40E-05	3.00E-05	6.75E-04	3.58E-05	1.22E-05	7.53E-04	2.86E-05	1.27E-09	4.77E-07	3.32E-07	2.94E-05

5060	481363.09	3863877.25	6.41E-05	1.59E-09	4.42E-07	3.30E-07	6.49E-05	3.05E-05	7.01E-04	3.32E-05	1.21E-05	7.77E-04	2.90E-05	1.31E-09	4.42E-07	3.30E-07	2.98E-05
5061	481863.09	3863877.25	6.45E-05	1.66E-09	4.06E-07	3.29E-07	6.52E-05	3.06E-05	7.30E-04	3.04E-05	1.21E-05	8.03E-04	2.92E-05	1.37E-09	4.06E-07	3.29E-07	2.99E-05
5062	482363.09	3863877.25	6.65E-05	1.73E-09	3.87E-07	3.35E-07	6.72E-05	3.16E-05	7.60E-04	2.90E-05	1.23E-05	8.33E-04	3.01E-05	1.43E-09	3.87E-07	3.35E-07	3.08E-05
5063	482863.09	3863877.25	6.78E-05	1.80E-09	3.67E-07	3.42E-07	6.86E-05	3.23E-05	7.92E-04	2.76E-05	1.25E-05	8.64E-04	3.07E-05	1.48E-09	3.67E-07	3.42E-07	3.14E-05
5064	483363.09	3863877.25	6.74E-05	1.87E-09	3.40E-07	3.48E-07	6.81E-05	3.20E-05	8.24E-04	2.55E-05	1.28E-05	8.95E-04	3.05E-05	1.55E-09	3.40E-07	3.48E-07	3.12E-05
5065	483863.09	3863877.25	6.66E-05	1.95E-09	3.37E-07	3.48E-07	6.73E-05	3.17E-05	8.59E-04	2.53E-05	1.28E-05	9.29E-04	3.01E-05	1.61E-09	3.37E-07	3.48E-07	3.08E-05
5066	484363.09	3863877.25	6.67E-05	2.03E-09	4.11E-07	3.38E-07	6.75E-05	3.17E-05	8.93E-04	3.08E-05	1.24E-05	9.68E-04	3.02E-05	1.68E-09	4.11E-07	3.38E-07	3.09E-05
5067	484863.09	3863877.25	6.71E-05	2.12E-09	4.58E-07	3.17E-07	6.78E-05	3.19E-05	9.31E-04	3.44E-05	1.16E-05	1.01E-03	3.03E-05	1.75E-09	4.58E-07	3.17E-07	3.11E-05
5068	485363.09	3863877.25	6.40E-05	2.23E-09	3.55E-07	3.00E-07	6.46E-05	3.04E-05	9.82E-04	2.66E-05	1.10E-05	1.05E-03	2.89E-05	1.84E-09	3.55E-07	3.00E-07	2.96E-05
5069	485863.09	3863877.25	6.11E-05	2.35E-09	2.97E-07	3.01E-07	6.17E-05	2.90E-05	1.04E-03	2.23E-05	1.11E-05	1.10E-03	2.76E-05	1.94E-09	2.97E-07	3.01E-07	2.82E-05
5070	486363.09	3863877.25	5.92E-05	2.34E-09	3.04E-07	2.97E-07	5.98E-05	2.81E-05	1.03E-03	2.28E-05	1.09E-05	1.09E-03	2.68E-05	1.93E-09	3.04E-07	2.97E-07	2.74E-05
5071	486863.09	3863877.25	5.84E-05	2.33E-09	3.20E-07	2.88E-07	5.90E-05	2.78E-05	1.03E-03	2.40E-05	1.05E-05	1.09E-03	2.64E-05	1.92E-09	3.20E-07	2.88E-07	2.70E-05
5072	487363.09	3863877.25	5.98E-05	2.31E-09	4.05E-07	2.88E-07	6.05E-05	2.84E-05	1.02E-03	3.04E-05	1.06E-05	1.09E-03	2.71E-05	1.91E-09	4.05E-07	2.88E-07	2.78E-05
5073	487863.09	3863877.25	6.23E-05	2.31E-09	4.55E-07	3.05E-07	6.31E-05	2.96E-05	1.02E-03	3.41E-05	1.12E-05	1.09E-03	2.82E-05	1.91E-09	4.55E-07	3.05E-07	2.90E-05
5074	488363.09	3863877.25	6.34E-05	2.28E-09	4.22E-07	3.18E-07	6.41E-05	3.01E-05	1.00E-03	3.16E-05	1.17E-05	1.08E-03	2.87E-05	1.88E-09	4.22E-07	3.18E-07	2.94E-05
5075	488863.09	3863877.25	6.17E-05	2.25E-09	3.10E-07	2.97E-07	6.24E-05	2.94E-05	9.91E-04	2.33E-05	1.09E-05	1.05E-03	2.79E-05	1.86E-09	3.10E-07	2.97E-07	2.85E-05
5076	489363.09	3863877.25	5.97E-05	2.29E-09	2.85E-07	2.92E-07	6.02E-05	2.84E-05	1.01E-03	2.14E-05	1.07E-05	1.07E-03	2.70E-05	1.89E-09	2.85E-07	2.92E-07	2.76E-05
5077	489863.09	3863877.25	6.06E-05	2.33E-09	2.64E-07	2.94E-07	6.12E-05	2.88E-05	1.03E-03	1.98E-05	1.08E-05	1.09E-03	2.74E-05	1.93E-09	2.64E-07	2.94E-07	2.80E-05
5078	490363.09	3863877.25	6.34E-05	2.34E-09	2.38E-07	3.11E-07	6.40E-05	3.02E-05	1.03E-03	1.79E-05	1.14E-05	1.09E-03	2.87E-05	1.93E-09	2.38E-07	3.11E-07	2.93E-05
5079	490863.09	3863877.25	6.45E-05	2.38E-09	2.65E-07	3.32E-07	6.51E-05	3.07E-05	1.05E-03	1.99E-05	1.22E-05	1.11E-03	2.92E-05	1.97E-09	2.65E-07	3.32E-07	2.98E-05
5080	491363.09	3863877.25	6.40E-05	2.43E-09	3.32E-07	3.35E-07	6.47E-05	3.04E-05	1.07E-03	2.49E-05	1.23E-05	1.14E-03	2.90E-05	2.01E-09	3.32E-07	3.35E-07	2.96E-05
5081	491863.09	3863877.25	6.72E-05	2.51E-09	4.28E-07	3.43E-07	6.80E-05	3.20E-05	1.11E-03	3.21E-05	1.26E-05	1.18E-03	3.04E-05	2.07E-09	4.28E-07	3.43E-07	3.12E-05
5082	492363.09	3863877.25	6.99E-05	2.50E-09	4.95E-07	3.40E-07	7.07E-05	3.32E-05	1.10E-03	3.71E-05	1.25E-05	1.19E-03	3.16E-05	2.07E-09	4.95E-07	3.40E-07	3.25E-05
5083	492863.09	3863877.25	6.92E-05	2.31E-09	4.92E-07	3.43E-07	7.00E-05	3.29E-05	1.02E-03	3.69E-05	1.26E-05	1.10E-03	3.13E-05	1.90E-09	4.92E-07	3.43E-07	3.21E-05
5084	493363.09	3863877.25	7.04E-05	2.23E-09	4.70E-07	3.30E-07	7.12E-05	3.35E-05	9.81E-04	3.53E-05	1.21E-05	1.06E-03	3.19E-05	1.84E-09	4.70E-07	3.30E-07	3.27E-05
5085	493863.09	3863877.25	7.40E-05	2.23E-09	4.69E-07	3.17E-07	7.48E-05	3.52E-05	9.84E-04	3.52E-05	1.16E-05	1.07E-03	3.35E-05	1.85E-09	4.69E-07	3.17E-07	3.43E-05
5086	494363.09	3863877.25	7.47E-05	2.29E-09	5.20E-07	3.15E-07	7.55E-05	3.55E-05	1.01E-03	3.90E-05	1.16E-05	1.10E-03	3.38E-05	1.90E-09	5.20E-07	3.15E-07	3.46E-05
5087	494863.09	3863877.25	7.18E-05	2.36E-09	5.34E-07	3.21E-07	7.27E-05	3.41E-05	1.04E-03	4.01E-05	1.18E-05	1.12E-03	3.25E-05	1.95E-09	5.34E-07	3.21E-07	3.33E-05
5088	495363.09	3863877.25	6.78E-05	2.41E-09	4.93E-07	3.28E-07	6.86E-05	3.22E-05	1.06E-03	3.70E-05	1.20E-05	1.14E-03	3.07E-05	1.99E-09	4.93E-07	3.28E-07	3.15E-05
5089	495863.09	3863877.25	6.52E-05	2.43E-09	4.54E-07	3.32E-07	6.60E-05	3.10E-05	1.07E-03	3.41E-05	1.22E-05	1.15E-03	2.95E-05	2.00E-09	4.54E-07	3.32E-07	3.03E-05
5090	496363.09	3863877.25	6.37E-05	2.46E-09	4.27E-07	3.38E-07	6.45E-05	3.03E-05	1.08E-03	3.20E-05	1.24E-05	1.16E-03	2.88E-05	2.03E-09	4.27E-07	3.38E-07	2.96E-05
5091	496863.09	3863877.25	6.30E-05	2.45E-09	4.35E-07	3.27E-07	6.38E-05	3.00E-05	1.08E-03	3.27E-05	1.20E-05	1.15E-03	2.85E-05	2.02E-09	4.35E-07	3.27E-07	2.93E-05
5092	497363.09	3863877.25	6.25E-05	2.41E-09	4.59E-07	3.20E-07	6.32E-05	2.97E-05	1.06E-03	3.44E-05	1.17E-05	1.14E-03	2.83E-05	1.99E-09	4.59E-07	3.20E-07	2.90E-05
5093	497863.09	3863877.25	6.24E-05	2.35E-09	4.78E-07	3.17E-07	6.32E-05	2.97E-05	1.04E-03	3.58E-05	1.16E-05	1.11E-03	2.82E-05	1.94E-09	4.78E-07	3.17E-07	2.90E-05
5094	498363.09	3863877.25	6.29E-05	2.29E-09	4.74E-07	3.13E-07	6.37E-05	2.99E-05	1.01E-03	3.55E-05	1.15E-05	1.08E-03	2.85E-05	1.89E-09	4.74E-07	3.13E-07	2.92E-05
5095	471363.09	3864377.25	3.17E-05	6.00E-10	3.55E-07	2.45E-07	3.23E-05	1.51E-05	2.64E-04	2.67E-05	8.97E-06	3.15E-04	1.43E-05	4.96E-10	3.55E-07	2.45E-07	1.49E-05
5096	471863.09	3864377.25	3.21E-05	6.20E-10	3.53E-07	2.49E-07	3.27E-05	1.53E-05	2.73E-04	2.65E-05	9.12E-06	3.24E-04	1.45E-05	5.12E-10	3.53E-07	2.49E-07	1.51E-05
5097	472363.09	3864377.25	3.24E-05	6.45E-10	3.47E-07	2.52E-07	3.30E-05	1.54E-05	2.84E-04	2.60E-05	9.25E-06	3.35E-04	1.47E-05	5.33E-10	3.47E-07	2.52E-07	1.53E-05
5098	472863.09	3864377.25	3.26E-05	6.72E-10	3.42E-07	2.55E-07	3.32E-05	1.55E-05	2.96E-04	2.56E-05	9.35E-06	3.47E-04	1.47E-05	5.55E-10	3.42E-07	2.55E-07	1.53E-05
5099	473363.09	3864377.25	3.27E-05	7.07E-10	3.44E-07	2.58E-07	3.33E-05	1.56E-05	3.12E-04	2.58E-05	9.47E-06	3.62E-04	1.48E-05	5.84E-10	3.44E-07	2.58E-07	1.54E-05
5100	473863.09	3864377.25	3.31E-05	7.43E-10	3.52E-07	2.61E-07	3.37E-05	1.58E-05	3.27E-04	2.64E-05	9.57E-06	3.79E-04	1.50E-05	6.14E-10	3.52E-07	2.61E-07	1.56E-05
5101	474363.09	3864377.25	3.38E-05	7.81E-10	3.64E-07	2.63E-07	3.45E-05	1.61E-05	3.44E-04	2.73E-05	9.63E-06	3.97E-04	1.53E-05	6.45E-10	3.64E-07	2.63E-07	1.59E-05
5102	474863.09	3864377.25	3.46E-05	8.26E-10	3.83E-07	2.63E-07	3.53E-05	1.65E-05	3.64E-04	2.87E-05	9.66E-06	4.19E-04	1.57E-05	6.82E-10	3.83E-07	2.63E-07	1.63E-05
5103	475363.09	3864377.25	3.58E-05	8.69E-10	4.05E-07	2.64E-07	3.64E-05	1.70E-05	3.83E-04	3.04E-05	9.69E-06	4.40E-04	1.62E-05	7.18E-10	4.05E-07	2.64E-07	1.69E-05
5104	475863.09	3864377.25	3.71E-05	9.12E-10	4.21E-07	2.66E-07	3.78E-05	1.76E-05	4.02E-04	3.16E-05	9.76E-06	4.61E-04	1.68E-05	7.53E-10	4.21E-07	2.66E-07	1.75E-05
5105	476363.09	3864377.25	3.87E-05	9.49E-10	4.33E-07	2.69E-07	3.94E-05	1.84E-05	4.18E-04	3.25E-05	9.85E-06	4.79E-04	1.75E-05	7.84E-10	4.33E-07	2.69E-07	1.82E-05
5106	476863.09	3864377.25	4.06E-05	9.86E-10	4.36E-07	2.73E-07	4.14E-05	1.93E-05	4.34E-04	3.27E-05	1.00E-05	4.96E-04	1.84E-05	8.15E-10	4.36E-07	2.73E-07	1.91E-05
5107	477363.09	3864377.25	4.25E-05	1.04E-09	4.38E-07	2.78E-07	4.32E-05	2.02E-05	4.56E-04	3.28E-05	1.02E-05	5.19E-04	1.92E-05	8.55E-10	4.38E-07	2.78E-07	2.00E-05
5108	477863.09	3864377.25	4.43E-05	1.09E-09	4.38E-07	2.83E-07	4.50E-05	2.10E-05	4.79E-04	3.28E-05	1.04E-05	5.43E-04	2.00E-05	8.98E-10	4.38E-07	2.83E-07	2.07E-05
5109	478363.09	3864377.25	4.59E-05	1.14E-09	4.42E-07	2.90E-07	4.66E-05	2.18E-05	5.03E-04	3.32E-05	1.06E-05	5.68E-04	2.08E-05	9.43E-10	4.42E-07	2.90E-07	2.15E-05
5110	478863.09	3864377.25	4.81E-05	1.20E-09	4.48E-07	3.01E-07	4.88E-05	2.29E-05	5.26E-04	3.36E-05	1.11E-05	5.94E-04	2.17E-05	9.87E-10	4.48E-07	3.01E-07	2.25E-05
5111	479363.09	3864377.25	5.07E-05	1.25E-09	4.51E-07	3.13E-07	5.14E-05	2.41E-05	5.49E-04	3.38E-05	1.15E-05	6.19E-04	2.29E-05	1.03E-09	4.51E-07	3.13E-07	2.37E-05
5112	479863.09	3864377.25	5.37E-05	1.29E-09	4.53E-07	3.18E-07	5.45E-05	2.55E-05	5.69E-04	3.40E-05	1.17E-05	6.40E-04	2.43E-05	1.07E-09	4.53E-07	3.18E-07	2.51E-05
5113	480363.09	3864377.25	5.65E-05	1.33E-09	4.40E-07	3.15E-07	5.73E-05	2.69E-05	5.87E-04	3.30E-05	1.16E-05	6.59E-04	2.56E-05	1.10E-09	4.40E-07	3.15E-07	2.63E-05
5114	480863.09	3864377.25	5.76E-05	1.38E-09	4.02E-07	3.07E-07	5.83E-05	2.74E-05	6.06E-04	3.02E-05	1.12E-05	6.75E-04	2.61E-05	1.14E-09	4.02E-07	3.07E-07	2.68E-05
5115	481363.09	3864377.25	5.78E-05	1.42E-09	3.71E-07	3.01E-07	5.85E-05	2.75E-05	6.26E-04	2.78E-05	1.11E-05	6.92E-04	2.61E-05	1.17E-09	3.71E-07	3.01E-07	2.68E-05
5116	481863.09	3864377.25	5.86E-05	1.48E-09	3.53E-07	3.02E-07	5.93E-05	2.79E-05	6.51E-04	2.65E-05	1.11E-05	7.17E-04	2.65E-05	1.22E-09	3.53E-07	3.02E-07	2.72E-05
5117	482363.09	3864377.25	6.02E-05	1.54E-09	3.39E-07	3.07E-07	6.08E-05	2.86E-05	6.79E-04	2.55E-05	1.12E-05	7.44E-04	2.72E-05	1.27E-09	3.39E-07	3.07E-07	2.79E-05
5118	482863.09	3864377.25	6.08E-05	1.61E-09	3.17E-07	3.10E-07	6.14E-05	2.89E-05	7.08E-04	2.38E-05	1.14E-05	7.72E-04	2.75E-05	1.33E-09	3.17E-07	3.10E-07	2.81E-05
5119	483363.09	3864377.25	5.99E-05	1.68E-09	3.04E-07	3.13E-07	6.06E-05	2.85E-05	7.39E-04	2.28E-05	1.15E-05	8.01E-04	2.71E-05	1.39E-09	3.04E-07	3.13E-07	2.77E-05
5120	483863.09	3864377.25	5.95E-05	1.74E-09	3.55E-07	3.13E-07	6.01E-05	2.83E-05	7.67E-04	2.67E-05	1.15E-05	8.34E-04	2.69E-05	1.44E-09	3.55E-07	3.13E-07	2.76E-05

5121	484363.09	3864377.25	6.03E-05	1.79E-09	4.40E-07	3.03E-07	6.11E-05	2.87E-05	7.88E-04	3.30E-05	1.11E-05	8.61E-04	2.73E-05	1.48E-09	4.40E-07	3.03E-07	2.80E-05
5122	484863.09	3864377.25	6.01E-05	1.85E-09	3.98E-07	2.83E-07	6.08E-05	2.86E-05	8.15E-04	2.99E-05	1.04E-05	8.84E-04	2.72E-05	1.53E-09	3.98E-07	2.83E-07	2.79E-05
5123	485363.09	3864377.25	5.72E-05	1.95E-09	2.95E-07	2.77E-07	5.78E-05	2.72E-05	8.59E-04	2.21E-05	1.02E-05	9.19E-04	2.59E-05	1.61E-09	2.95E-07	2.77E-07	2.65E-05
5124	485863.09	3864377.25	5.48E-05	2.01E-09	2.87E-07	2.80E-07	5.54E-05	2.61E-05	8.86E-04	2.15E-05	1.03E-05	9.44E-04	2.48E-05	1.66E-09	2.87E-07	2.80E-07	2.54E-05
5125	486363.09	3864377.25	5.32E-05	1.98E-09	2.84E-07	2.69E-07	5.37E-05	2.53E-05	8.74E-04	2.13E-05	9.85E-06	9.31E-04	2.41E-05	1.64E-09	2.84E-07	2.69E-07	2.46E-05
5126	486863.09	3864377.25	5.22E-05	1.99E-09	3.11E-07	2.65E-07	5.28E-05	2.48E-05	8.75E-04	2.33E-05	9.72E-06	9.33E-04	2.36E-05	1.64E-09	3.11E-07	2.65E-07	2.42E-05
5127	487363.09	3864377.25	5.35E-05	1.95E-09	3.92E-07	2.66E-07	5.42E-05	2.54E-05	8.58E-04	2.94E-05	9.76E-06	9.23E-04	2.42E-05	1.61E-09	3.92E-07	2.66E-07	2.49E-05
5128	487863.09	3864377.25	5.61E-05	1.94E-09	4.31E-07	2.79E-07	5.68E-05	2.66E-05	8.55E-04	3.23E-05	1.02E-05	9.24E-04	2.54E-05	1.60E-09	4.31E-07	2.79E-07	2.61E-05
5129	488363.09	3864377.25	5.73E-05	1.92E-09	3.99E-07	2.87E-07	5.80E-05	2.72E-05	8.46E-04	2.99E-05	1.05E-05	9.13E-04	2.59E-05	1.59E-09	3.99E-07	2.87E-07	2.66E-05
5130	488863.09	3864377.25	5.66E-05	1.91E-09	2.99E-07	2.69E-07	5.72E-05	2.69E-05	8.40E-04	2.24E-05	9.85E-06	8.99E-04	2.56E-05	1.58E-09	2.99E-07	2.69E-07	2.62E-05
5131	489363.09	3864377.25	5.44E-05	1.93E-09	2.68E-07	2.63E-07	5.49E-05	2.58E-05	8.50E-04	2.01E-05	9.63E-06	9.05E-04	2.46E-05	1.59E-09	2.68E-07	2.63E-07	2.51E-05
5132	489863.09	3864377.25	5.38E-05	1.96E-09	2.61E-07	2.63E-07	5.44E-05	2.56E-05	8.65E-04	1.96E-05	9.63E-06	9.20E-04	2.44E-05	1.62E-09	2.61E-07	2.63E-07	2.49E-05
5133	490363.09	3864377.25	5.60E-05	1.98E-09	2.25E-07	2.74E-07	5.65E-05	2.66E-05	8.72E-04	1.69E-05	1.00E-05	9.25E-04	2.53E-05	1.64E-09	2.25E-07	2.74E-07	2.58E-05
5134	490863.09	3864377.25	5.87E-05	2.01E-09	2.31E-07	2.95E-07	5.92E-05	2.79E-05	8.83E-04	1.73E-05	1.08E-05	9.39E-04	2.65E-05	1.66E-09	2.31E-07	2.95E-07	2.71E-05
5135	491363.09	3864377.25	6.08E-05	2.04E-09	2.89E-07	3.18E-07	6.14E-05	2.89E-05	8.97E-04	2.17E-05	1.17E-05	9.59E-04	2.75E-05	1.68E-09	2.89E-07	3.18E-07	2.81E-05
5136	491863.09	3864377.25	4.50E-05	7.78E-10	3.24E-07	3.12E-07	4.56E-05	2.14E-05	3.43E-04	2.43E-05	1.14E-05	4.00E-04	2.03E-05	6.43E-10	3.24E-07	3.12E-07	2.10E-05
5137	492363.09	3864377.25	6.29E-05	1.60E-09	4.42E-07	3.48E-07	6.36E-05	2.99E-05	7.04E-04	3.32E-05	1.28E-05	7.80E-04	2.84E-05	1.32E-09	4.42E-07	3.48E-07	2.92E-05
5138	492863.09	3864377.25	5.58E-05	1.09E-09	5.70E-07	3.21E-07	5.67E-05	2.65E-05	4.78E-04	4.27E-05	1.18E-05	5.59E-04	2.52E-05	8.96E-10	5.70E-07	3.21E-07	2.61E-05
5139	493363.09	3864377.25	5.81E-05	1.54E-09	6.29E-07	3.32E-07	5.90E-05	2.76E-05	6.76E-04	4.72E-05	1.22E-05	7.63E-04	2.63E-05	1.27E-09	6.29E-07	3.32E-07	2.72E-05
5140	493863.09	3864377.25	6.23E-05	1.75E-09	4.46E-07	3.06E-07	6.31E-05	2.96E-05	7.72E-04	3.34E-05	1.12E-05	8.47E-04	2.82E-05	1.45E-09	4.46E-07	3.06E-07	2.89E-05
5141	494363.09	3864377.25	6.67E-05	1.84E-09	4.30E-07	2.88E-07	6.75E-05	3.17E-05	8.11E-04	3.23E-05	1.06E-05	8.86E-04	3.02E-05	1.52E-09	4.30E-07	2.88E-07	3.09E-05
5142	494863.09	3864377.25	6.76E-05	1.91E-09	4.75E-07	2.84E-07	6.84E-05	3.21E-05	8.40E-04	3.57E-05	1.04E-05	9.18E-04	3.06E-05	1.58E-09	4.75E-07	2.84E-07	3.13E-05
5143	495363.09	3864377.25	6.54E-05	1.96E-09	4.95E-07	2.88E-07	6.62E-05	3.11E-05	8.62E-04	3.71E-05	1.06E-05	9.41E-04	2.96E-05	1.62E-09	4.95E-07	2.88E-07	3.04E-05
5144	495863.09	3864377.25	6.19E-05	2.01E-09	4.63E-07	2.95E-07	6.27E-05	2.94E-05	8.84E-04	3.47E-05	1.08E-05	9.59E-04	2.80E-05	1.66E-09	4.63E-07	2.95E-07	2.88E-05
5145	496363.09	3864377.25	5.90E-05	2.05E-09	4.22E-07	3.01E-07	5.98E-05	2.81E-05	9.03E-04	3.16E-05	1.11E-05	9.74E-04	2.67E-05	1.69E-09	4.22E-07	3.01E-07	2.74E-05
5146	496863.09	3864377.25	5.78E-05	2.08E-09	4.00E-07	3.07E-07	5.85E-05	2.75E-05	9.15E-04	3.00E-05	1.12E-05	9.84E-04	2.61E-05	1.72E-09	4.00E-07	3.07E-07	2.68E-05
5147	497363.09	3864377.25	5.73E-05	2.10E-09	3.99E-07	3.03E-07	5.80E-05	2.72E-05	9.24E-04	2.99E-05	1.11E-05	9.92E-04	2.59E-05	1.73E-09	3.99E-07	3.03E-07	2.66E-05
5148	497863.09	3864377.25	5.77E-05	2.10E-09	4.29E-07	3.04E-07	5.84E-05	2.74E-05	9.26E-04	3.22E-05	1.11E-05	9.97E-04	2.61E-05	1.74E-09	4.29E-07	3.04E-07	2.68E-05
5149	498363.09	3864377.25	5.68E-05	2.07E-09	4.41E-07	2.90E-07	5.75E-05	2.70E-05	9.10E-04	3.30E-05	1.06E-05	9.81E-04	2.57E-05	1.71E-09	4.41E-07	2.90E-07	2.64E-05
5150	471363.09	3864877.25	2.92E-05	5.84E-10	3.23E-07	2.38E-07	2.98E-05	1.39E-05	2.57E-04	2.42E-05	8.71E-06	3.04E-04	1.32E-05	4.83E-10	3.23E-07	2.38E-07	1.38E-05
5151	471863.09	3864877.25	2.94E-05	6.06E-10	3.19E-07	2.40E-07	2.99E-05	1.40E-05	2.67E-04	2.39E-05	8.81E-06	3.13E-04	1.33E-05	5.00E-10	3.19E-07	2.40E-07	1.38E-05
5152	472363.09	3864877.25	2.95E-05	6.32E-10	3.19E-07	2.43E-07	3.00E-05	1.40E-05	2.78E-04	2.39E-05	8.90E-06	3.25E-04	1.33E-05	5.22E-10	3.19E-07	2.43E-07	1.39E-05
5153	472863.09	3864877.25	2.98E-05	6.60E-10	3.26E-07	2.45E-07	3.04E-05	1.42E-05	2.91E-04	2.44E-05	9.00E-06	3.38E-04	1.35E-05	5.45E-10	3.26E-07	2.45E-07	1.41E-05
5154	473363.09	3864877.25	3.02E-05	6.95E-10	3.43E-07	2.48E-07	3.08E-05	1.44E-05	3.06E-04	2.57E-05	9.09E-06	3.55E-04	1.37E-05	5.74E-10	3.43E-07	2.48E-07	1.43E-05
5155	473863.09	3864877.25	3.09E-05	7.31E-10	3.56E-07	2.50E-07	3.15E-05	1.47E-05	3.22E-04	2.67E-05	9.16E-06	3.73E-04	1.40E-05	6.04E-10	3.56E-07	2.50E-07	1.46E-05
5156	474363.09	3864877.25	3.18E-05	7.66E-10	3.74E-07	2.51E-07	3.25E-05	1.51E-05	3.37E-04	2.81E-05	9.19E-06	3.90E-04	1.44E-05	6.33E-10	3.74E-07	2.51E-07	1.50E-05
5157	474863.09	3864877.25	3.28E-05	8.01E-10	3.89E-07	2.51E-07	3.35E-05	1.56E-05	3.53E-04	2.91E-05	9.22E-06	4.07E-04	1.48E-05	6.62E-10	3.89E-07	2.51E-07	1.55E-05
5158	475363.09	3864877.25	3.39E-05	8.32E-10	3.97E-07	2.52E-07	3.46E-05	1.61E-05	3.66E-04	2.98E-05	9.25E-06	4.22E-04	1.53E-05	6.87E-10	3.97E-07	2.52E-07	1.60E-05
5159	475863.09	3864877.25	3.51E-05	8.62E-10	3.99E-07	2.54E-07	3.58E-05	1.67E-05	3.80E-04	2.99E-05	9.31E-06	4.36E-04	1.59E-05	7.12E-10	3.99E-07	2.54E-07	1.66E-05
5160	476363.09	3864877.25	3.67E-05	8.94E-10	4.01E-07	2.57E-07	3.73E-05	1.74E-05	3.94E-04	3.01E-05	9.41E-06	4.51E-04	1.66E-05	7.38E-10	4.01E-07	2.57E-07	1.72E-05
5161	476863.09	3864877.25	3.85E-05	9.31E-10	4.10E-07	2.61E-07	3.92E-05	1.83E-05	4.10E-04	3.07E-05	9.57E-06	4.68E-04	1.74E-05	7.69E-10	4.10E-07	2.61E-07	1.81E-05
5162	477363.09	3864877.25	4.00E-05	9.76E-10	4.08E-07	2.67E-07	4.07E-05	1.90E-05	4.30E-04	3.06E-05	9.79E-06	4.89E-04	1.81E-05	8.06E-10	4.08E-07	2.67E-07	1.88E-05
5163	477863.09	3864877.25	4.14E-05	1.02E-09	4.11E-07	2.74E-07	4.21E-05	1.97E-05	4.50E-04	3.08E-05	1.00E-05	5.11E-04	1.87E-05	8.44E-10	4.11E-07	2.74E-07	1.94E-05
5164	478363.09	3864877.25	4.30E-05	1.07E-09	4.16E-07	2.82E-07	4.37E-05	2.05E-05	4.70E-04	3.12E-05	1.04E-05	5.32E-04	1.95E-05	8.81E-10	4.16E-07	2.82E-07	2.02E-05
5165	478863.09	3864877.25	4.53E-05	1.11E-09	4.21E-07	2.93E-07	4.60E-05	2.15E-05	4.88E-04	3.16E-05	1.07E-05	5.52E-04	2.05E-05	9.15E-10	4.21E-07	2.93E-07	2.12E-05
5166	479363.09	3864877.25	4.78E-05	1.14E-09	4.19E-07	2.98E-07	4.85E-05	2.27E-05	5.02E-04	3.14E-05	1.09E-05	5.67E-04	2.16E-05	9.41E-10	4.19E-07	2.98E-07	2.23E-05
5167	479863.09	3864877.25	5.02E-05	1.17E-09	4.00E-07	2.94E-07	5.09E-05	2.39E-05	5.14E-04	3.00E-05	1.08E-05	5.78E-04	2.27E-05	9.64E-10	4.00E-07	2.94E-07	2.34E-05
5168	480363.09	3864877.25	5.21E-05	1.20E-09	3.71E-07	2.88E-07	5.27E-05	2.48E-05	5.27E-04	2.78E-05	1.06E-05	5.90E-04	2.36E-05	9.89E-10	3.71E-07	2.88E-07	2.42E-05
5169	480863.09	3864877.25	5.24E-05	1.23E-09	3.41E-07	2.80E-07	5.31E-05	2.49E-05	5.44E-04	2.56E-05	1.03E-05	6.04E-04	2.37E-05	1.02E-09	3.41E-07	2.80E-07	2.43E-05
5170	481363.09	3864877.25	5.26E-05	1.28E-09	3.26E-07	2.77E-07	5.32E-05	2.50E-05	5.66E-04	2.44E-05	1.02E-05	6.25E-04	2.38E-05	1.06E-09	3.26E-07	2.77E-07	2.44E-05
5171	481863.09	3864877.25	5.34E-05	1.34E-09	3.13E-07	2.76E-07	5.40E-05	2.54E-05	5.91E-04	2.35E-05	1.01E-05	6.50E-04	2.41E-05	1.11E-09	3.13E-07	2.76E-07	2.47E-05
5172	482363.09	3864877.25	5.45E-05	1.39E-09	2.97E-07	2.77E-07	5.51E-05	2.59E-05	6.14E-04	2.23E-05	1.02E-05	6.73E-04	2.47E-05	1.15E-09	2.97E-07	2.77E-07	2.52E-05
5173	482863.09	3864877.25	5.47E-05	1.45E-09	2.82E-07	2.81E-07	5.52E-05	2.60E-05	6.40E-04	2.12E-05	1.03E-05	6.98E-04	2.47E-05	1.20E-09	2.82E-07	2.81E-07	2.53E-05
5174	483363.09	3864877.25	5.38E-05	1.52E-09	3.11E-07	2.87E-07	5.44E-05	2.56E-05	6.69E-04	2.33E-05	1.05E-05	7.29E-04	2.44E-05	1.26E-09	3.11E-07	2.87E-07	2.50E-05
5175	483863.09	3864877.25	5.38E-05	1.56E-09	3.95E-07	2.87E-07	5.45E-05	2.56E-05	6.86E-04	2.97E-05	1.05E-05	7.52E-04	2.44E-05	1.29E-09	3.95E-07	2.87E-07	2.50E-05
5176	484363.09	3864877.25	5.49E-05	1.58E-09	4.22E-07	2.74E-07	5.56E-05	2.61E-05	6.97E-04	3.16E-05	1.00E-05	7.65E-04	2.48E-05	1.31E-09	4.22E-07	2.74E-07	2.55E-05
5177	484863.09	3864877.25	5.44E-05	1.64E-09	3.27E-07	2.63E-07	5.50E-05	2.58E-05	7.24E-04	2.46E-05	9.63E-06	7.84E-04	2.46E-05	1.36E-09	3.27E-07	2.63E-07	2.52E-05
5178	485363.09	3864877.25	5.19E-05	1.72E-09	2.66E-07	2.64E-07	5.24E-05	2.47E-05	7.57E-04	2.00E-05	9.69E-06	8.11E-04	2.35E-05	1.42E-09	2.66E-07	2.64E-07	2.40E-05
5179	485863.09	3864877.25	4.98E-05	1.73E-09	2.79E-07	2.57E-07	5.03E-05	2.37E-05	7.60E-04	2.09E-05	9.41E-06	8.14E-04	2.25E-05	1.43E-09	2.79E-07	2.57E-07	2.30E-05
5180	486363.09	3864877.25	4.81E-05	1.71E-09	2.65E-07	2.48E-07	4.86E-05	2.29E-05	7.55E-04	1.99E-05	9.09E-06	8.07E-04	2.18E-05	1.42E-09	2.65E-07	2.48E-07	2.23E-05
5181	486863.09	3864877.25	4.70E-05	1.72E-09	3.04E-07	2.48E-07	4.76E-05	2.24E-05	7.57E-04	2.28E-05	9.09E-06	8.12E-04	2.13E-05	1.42E-09	3.04E-07	2.48E-07	2.18E-05

5182	487363.09	3864877.25	4.80E-05	1.68E-09	3.79E-07	2.48E-07	4.86E-05	2.28E-05	7.38E-04	2.84E-05	9.09E-06	7.98E-04	2.17E-05	1.38E-09	3.79E-07	2.48E-07	2.23E-05
5183	487863.09	3864877.25	5.05E-05	1.66E-09	4.08E-07	2.57E-07	5.11E-05	2.40E-05	7.31E-04	3.06E-05	9.44E-06	7.95E-04	2.28E-05	1.37E-09	4.08E-07	2.57E-07	2.35E-05
5184	488363.09	3864877.25	5.21E-05	1.65E-09	3.79E-07	2.63E-07	5.27E-05	2.48E-05	7.25E-04	2.84E-05	9.63E-06	7.87E-04	2.36E-05	1.36E-09	3.79E-07	2.63E-07	2.42E-05
5185	488863.09	3864877.25	5.20E-05	1.64E-09	2.87E-07	2.46E-07	5.25E-05	2.47E-05	7.23E-04	2.15E-05	9.03E-06	7.78E-04	2.35E-05	1.36E-09	2.87E-07	2.46E-07	2.41E-05
5186	489363.09	3864877.25	5.02E-05	1.66E-09	2.52E-07	2.39E-07	5.06E-05	2.38E-05	7.32E-04	1.89E-05	8.75E-06	7.83E-04	2.27E-05	1.37E-09	2.52E-07	2.39E-07	2.32E-05
5187	489863.09	3864877.25	4.87E-05	1.68E-09	2.57E-07	2.40E-07	4.92E-05	2.32E-05	7.42E-04	1.93E-05	8.81E-06	7.93E-04	2.20E-05	1.39E-09	2.57E-07	2.40E-07	2.25E-05
5188	490363.09	3864877.25	4.97E-05	1.70E-09	2.22E-07	2.45E-07	5.02E-05	2.36E-05	7.48E-04	1.66E-05	9.00E-06	7.98E-04	2.25E-05	1.40E-09	2.22E-07	2.45E-07	2.29E-05
5189	490863.09	3864877.25	5.51E-05	1.59E-09	2.10E-07	2.60E-07	5.56E-05	2.62E-05	7.01E-04	1.58E-05	9.54E-06	7.52E-04	2.49E-05	1.31E-09	2.10E-07	2.60E-07	2.54E-05
5190	491363.09	3864877.25	5.57E-05	1.73E-09	2.45E-07	2.85E-07	5.63E-05	2.65E-05	7.63E-04	1.84E-05	1.05E-05	8.18E-04	2.52E-05	1.43E-09	2.45E-07	2.85E-07	2.57E-05
5191	491863.09	3864877.25	5.57E-05	1.57E-09	2.82E-07	3.01E-07	5.63E-05	2.65E-05	6.92E-04	2.12E-05	1.11E-05	7.51E-04	2.52E-05	1.30E-09	2.82E-07	3.01E-07	2.58E-05
5192	492363.09	3864877.25	2.76E-05	4.94E-10	3.04E-07	2.44E-07	2.81E-05	1.31E-05	2.17E-04	2.28E-05	8.94E-06	2.62E-04	1.25E-05	4.08E-10	3.04E-07	2.44E-07	1.30E-05
5193	492863.09	3864877.25	4.02E-05	6.82E-10	4.11E-07	2.64E-07	4.09E-05	1.91E-05	3.00E-04	3.08E-05	9.69E-06	3.60E-04	1.82E-05	5.63E-10	4.11E-07	2.64E-07	1.89E-05
5194	493363.09	3864877.25	3.82E-05	7.07E-10	4.35E-07	2.60E-07	3.89E-05	1.82E-05	3.11E-04	3.26E-05	9.54E-06	3.72E-04	1.73E-05	5.84E-10	4.35E-07	2.60E-07	1.80E-05
5195	493863.09	3864877.25	5.28E-05	1.43E-09	5.49E-07	3.05E-07	5.36E-05	2.51E-05	6.29E-04	4.11E-05	1.12E-05	7.06E-04	2.39E-05	1.18E-09	5.49E-07	3.05E-07	2.47E-05
5196	494363.09	3864877.25	5.70E-05	1.59E-09	4.07E-07	2.82E-07	5.76E-05	2.71E-05	7.02E-04	3.05E-05	1.03E-05	7.70E-04	2.58E-05	1.32E-09	4.07E-07	2.82E-07	2.65E-05
5197	494863.09	3864877.25	6.05E-05	1.60E-09	4.00E-07	2.66E-07	6.11E-05	2.87E-05	7.05E-04	3.00E-05	9.76E-06	7.73E-04	2.73E-05	1.32E-09	4.00E-07	2.66E-07	2.80E-05
5198	495363.09	3864877.25	6.15E-05	1.63E-09	4.41E-07	2.58E-07	6.22E-05	2.92E-05	7.17E-04	3.30E-05	9.47E-06	7.89E-04	2.78E-05	1.35E-09	4.41E-07	2.58E-07	2.85E-05
5199	495863.09	3864877.25	5.95E-05	1.68E-09	4.71E-07	2.63E-07	6.03E-05	2.83E-05	7.39E-04	3.53E-05	9.63E-06	8.13E-04	2.69E-05	1.39E-09	4.71E-07	2.63E-07	2.77E-05
5200	496363.09	3864877.25	5.69E-05	1.70E-09	4.36E-07	2.68E-07	5.76E-05	2.70E-05	7.47E-04	3.27E-05	9.82E-06	8.17E-04	2.57E-05	1.40E-09	4.36E-07	2.68E-07	2.64E-05
5201	496863.09	3864877.25	5.42E-05	1.74E-09	3.96E-07	2.74E-07	5.48E-05	2.58E-05	7.65E-04	2.97E-05	1.00E-05	8.31E-04	2.45E-05	1.43E-09	3.96E-07	2.74E-07	2.52E-05
5202	497363.09	3864877.25	5.26E-05	1.78E-09	3.76E-07	2.80E-07	5.33E-05	2.50E-05	7.82E-04	2.82E-05	1.03E-05	8.45E-04	2.38E-05	1.47E-09	3.76E-07	2.80E-07	2.45E-05
5203	497863.09	3864877.25	5.24E-05	1.80E-09	3.78E-07	2.82E-07	5.31E-05	2.49E-05	7.93E-04	2.83E-05	1.03E-05	8.56E-04	2.37E-05	1.49E-09	3.78E-07	2.82E-07	2.44E-05
5204	498363.09	3864877.25	5.22E-05	1.82E-09	3.84E-07	2.78E-07	5.29E-05	2.48E-05	8.02E-04	2.88E-05	1.02E-05	8.66E-04	2.36E-05	1.50E-09	3.84E-07	2.78E-07	2.43E-05
5205	471363.09	3865377.25	2.66E-05	5.71E-10	3.02E-07	2.29E-07	2.72E-05	1.27E-05	2.51E-04	2.26E-05	8.40E-06	2.95E-04	1.21E-05	4.71E-10	3.02E-07	2.29E-07	1.26E-05
5206	471863.09	3865377.25	2.68E-05	5.95E-10	3.08E-07	2.32E-07	2.74E-05	1.28E-05	2.62E-04	2.31E-05	8.49E-06	3.06E-04	1.21E-05	4.92E-10	3.08E-07	2.32E-07	1.27E-05
5207	472363.09	3865377.25	2.73E-05	6.22E-10	3.21E-07	2.34E-07	2.78E-05	1.30E-05	2.74E-04	2.41E-05	8.59E-06	3.20E-04	1.23E-05	5.14E-10	3.21E-07	2.34E-07	1.29E-05
5208	472863.09	3865377.25	2.79E-05	6.49E-10	3.36E-07	2.36E-07	2.85E-05	1.33E-05	2.86E-04	2.52E-05	8.65E-06	3.33E-04	1.26E-05	5.36E-10	3.36E-07	2.36E-07	1.32E-05
5209	473363.09	3865377.25	2.86E-05	6.80E-10	3.50E-07	2.39E-07	2.92E-05	1.36E-05	3.00E-04	2.63E-05	8.75E-06	3.48E-04	1.29E-05	5.62E-10	3.50E-07	2.39E-07	1.35E-05
5210	473863.09	3865377.25	2.94E-05	7.08E-10	3.61E-07	2.39E-07	3.00E-05	1.40E-05	3.12E-04	2.70E-05	8.75E-06	3.62E-04	1.33E-05	5.85E-10	3.61E-07	2.39E-07	1.39E-05
5211	474363.09	3865377.25	3.03E-05	7.34E-10	3.68E-07	2.39E-07	3.09E-05	1.44E-05	3.23E-04	2.76E-05	8.75E-06	3.74E-04	1.37E-05	6.06E-10	3.68E-07	2.39E-07	1.43E-05
5212	474863.09	3865377.25	3.12E-05	7.58E-10	3.74E-07	2.38E-07	3.18E-05	1.48E-05	3.34E-04	2.81E-05	8.71E-06	3.86E-04	1.41E-05	6.26E-10	3.74E-07	2.38E-07	1.47E-05
5213	475363.09	3865377.25	3.21E-05	7.84E-10	3.72E-07	2.39E-07	3.27E-05	1.53E-05	3.45E-04	2.79E-05	8.78E-06	3.97E-04	1.45E-05	6.47E-10	3.72E-07	2.39E-07	1.51E-05
5214	475863.09	3865377.25	3.34E-05	8.12E-10	3.74E-07	2.42E-07	3.40E-05	1.59E-05	3.58E-04	2.81E-05	8.87E-06	4.10E-04	1.51E-05	6.71E-10	3.74E-07	2.42E-07	1.57E-05
5215	476363.09	3865377.25	3.53E-05	8.33E-10	3.89E-07	2.45E-07	3.60E-05	1.68E-05	3.67E-04	2.91E-05	9.00E-06	4.22E-04	1.60E-05	6.88E-10	3.89E-07	2.45E-07	1.66E-05
5216	476863.09	3865377.25	3.70E-05	7.91E-10	4.06E-07	2.55E-07	3.77E-05	1.76E-05	3.48E-04	3.04E-05	9.35E-06	4.06E-04	1.68E-05	6.53E-10	4.06E-07	2.55E-07	1.74E-05
5217	477363.09	3865377.25	3.80E-05	9.10E-10	4.02E-07	2.57E-07	3.87E-05	1.81E-05	4.01E-04	3.02E-05	9.44E-06	4.58E-04	1.72E-05	7.51E-10	4.02E-07	2.57E-07	1.79E-05
5218	477863.09	3865377.25	3.90E-05	9.54E-10	3.93E-07	2.67E-07	3.97E-05	1.86E-05	4.20E-04	2.95E-05	9.79E-06	4.78E-04	1.77E-05	7.88E-10	3.93E-07	2.67E-07	1.83E-05
5219	478363.09	3865377.25	4.09E-05	9.86E-10	3.98E-07	2.76E-07	4.16E-05	1.95E-05	4.34E-04	2.99E-05	1.01E-05	4.94E-04	1.85E-05	8.15E-10	3.98E-07	2.76E-07	1.92E-05
5220	478863.09	3865377.25	4.30E-05	1.01E-09	3.90E-07	2.79E-07	4.37E-05	2.04E-05	4.45E-04	2.93E-05	1.02E-05	5.05E-04	1.95E-05	8.34E-10	3.90E-07	2.79E-07	2.01E-05
5221	479363.09	3865377.25	4.51E-05	1.03E-09	3.69E-07	2.77E-07	4.57E-05	2.14E-05	4.53E-04	2.77E-05	1.02E-05	5.12E-04	2.04E-05	8.49E-10	3.69E-07	2.77E-07	2.10E-05
5222	479863.09	3865377.25	4.69E-05	1.05E-09	3.41E-07	2.71E-07	4.75E-05	2.23E-05	4.63E-04	2.56E-05	9.95E-06	5.21E-04	2.12E-05	8.69E-10	3.41E-07	2.71E-07	2.18E-05
5223	480363.09	3865377.25	4.77E-05	1.09E-09	3.16E-07	2.62E-07	4.83E-05	2.27E-05	4.78E-04	2.37E-05	9.60E-06	5.34E-04	2.16E-05	8.97E-10	3.16E-07	2.62E-07	2.21E-05
5224	480863.09	3865377.25	4.78E-05	1.13E-09	3.01E-07	2.57E-07	4.84E-05	2.27E-05	4.98E-04	2.26E-05	9.44E-06	5.53E-04	2.16E-05	9.34E-10	3.01E-07	2.57E-07	2.22E-05
5225	481363.09	3865377.25	4.81E-05	1.18E-09	2.92E-07	2.55E-07	4.87E-05	2.29E-05	5.19E-04	2.19E-05	9.35E-06	5.73E-04	2.18E-05	9.74E-10	2.92E-07	2.55E-07	2.23E-05
5226	481863.09	3865377.25	4.88E-05	1.22E-09	2.78E-07	2.52E-07	4.93E-05	2.32E-05	5.39E-04	2.09E-05	9.25E-06	5.92E-04	2.21E-05	1.01E-09	2.78E-07	2.52E-07	2.26E-05
5227	482363.09	3865377.25	4.95E-05	1.27E-09	2.64E-07	2.52E-07	5.00E-05	2.35E-05	5.59E-04	1.98E-05	9.25E-06	6.11E-04	2.24E-05	1.05E-09	2.64E-07	2.52E-07	2.29E-05
5228	482863.09	3865377.25	4.93E-05	1.33E-09	2.76E-07	2.59E-07	4.98E-05	2.34E-05	5.85E-04	2.07E-05	9.50E-06	6.39E-04	2.23E-05	1.10E-09	2.76E-07	2.59E-07	2.28E-05
5229	483363.09	3865377.25	4.87E-05	1.38E-09	3.47E-07	2.67E-07	4.93E-05	2.32E-05	6.07E-04	2.60E-05	9.79E-06	6.66E-04	2.20E-05	1.14E-09	3.47E-07	2.67E-07	2.26E-05
5230	483863.09	3865377.25	4.93E-05	1.39E-09	4.13E-07	2.63E-07	5.00E-05	2.34E-05	6.14E-04	3.10E-05	9.66E-06	6.78E-04	2.23E-05	1.15E-09	4.13E-07	2.63E-07	2.30E-05
5231	484363.09	3865377.25	5.02E-05	1.42E-09	3.67E-07	2.53E-07	5.08E-05	2.39E-05	6.24E-04	2.75E-05	9.28E-06	6.85E-04	2.27E-05	1.17E-09	3.67E-07	2.53E-07	2.33E-05
5232	484863.09	3865377.25	4.94E-05	1.47E-09	2.75E-07	2.51E-07	4.99E-05	2.35E-05	6.49E-04	2.06E-05	9.22E-06	7.02E-04	2.24E-05	1.22E-09	2.75E-07	2.51E-07	2.29E-05
5233	485363.09	3865377.25	4.72E-05	1.51E-09	2.58E-07	2.48E-07	4.78E-05	2.25E-05	6.65E-04	1.93E-05	9.09E-06	7.16E-04	2.14E-05	1.25E-09	2.58E-07	2.48E-07	2.19E-05
5234	485863.09	3865377.25	4.54E-05	1.49E-09	2.66E-07	2.33E-07	4.59E-05	2.16E-05	6.58E-04	2.00E-05	8.56E-06	7.08E-04	2.06E-05	1.23E-09	2.66E-07	2.33E-07	2.11E-05
5235	486363.09	3865377.25	4.39E-05	1.51E-09	2.52E-07	2.32E-07	4.44E-05	2.09E-05	6.64E-04	1.89E-05	8.52E-06	7.12E-04	1.99E-05	1.24E-09	2.52E-07	2.32E-07	2.03E-05
5236	486863.09	3865377.25	4.27E-05	1.51E-09	3.00E-07	2.33E-07	4.33E-05	2.03E-05	6.63E-04	2.25E-05	8.56E-06	7.15E-04	1.93E-05	1.24E-09	3.00E-07	2.33E-07	1.99E-05
5237	487363.09	3865377.25	4.34E-05	1.46E-09	3.67E-07	2.35E-07	4.40E-05	2.06E-05	6.45E-04	2.76E-05	8.62E-06	7.02E-04	1.96E-05	1.21E-09	3.67E-07	2.35E-07	2.02E-05
5238	487863.09	3865377.25	4.57E-05	1.44E-09	3.88E-07	2.41E-07	4.63E-05	2.17E-05	6.36E-04	2.91E-05	8.84E-06	6.96E-04	2.07E-05	1.19E-09	3.88E-07	2.41E-07	2.13E-05
5239	488363.09	3865377.25	4.75E-05	1.43E-09	3.61E-07	2.43E-07	4.81E-05	2.26E-05	6.29E-04	2.71E-05	8.90E-06	6.88E-04	2.15E-05	1.18E-09	3.61E-07	2.43E-07	2.21E-05
5240	488863.09	3865377.25	4.80E-05	1.43E-09	2.78E-07	2.28E-07	4.85E-05	2.28E-05	6.29E-04	2.09E-05	8.37E-06	6.81E-04	2.17E-05	1.18E-09	2.78E-07	2.28E-07	2.22E-05
5241	489363.09	3865377.25	4.67E-05	1.45E-09	2.39E-07	2.20E-07	4.72E-05	2.22E-05	6.41E-04	1.79E-05	8.05E-06	6.89E-04	2.11E-05	1.20E-09	2.39E-07	2.20E-07	2.16E-05
5242	489863.09	3865377.25	4.53E-05	1.48E-09	2.52E-07	2.24E-07	4.58E-05	2.15E-05	6.50E-04	1.89E-05	8.21E-06	6.99E-04	2.05E-05	1.22E-09	2.52E-07	2.24E-07	2.10E-05

5243	490363.09	3865377.25	4.66E-05	1.41E-09	2.37E-07	2.22E-07	4.71E-05	2.22E-05	6.20E-04	1.78E-05	8.15E-06	6.68E-04	2.11E-05	1.16E-09	2.37E-07	2.22E-07	2.15E-05
5244	490863.09	3865377.25	4.87E-05	1.36E-09	1.96E-07	2.32E-07	4.92E-05	2.32E-05	5.97E-04	1.47E-05	8.49E-06	6.44E-04	2.20E-05	1.12E-09	1.96E-07	2.32E-07	2.25E-05
5245	491363.09	3865377.25	5.13E-05	1.32E-09	2.04E-07	2.51E-07	5.18E-05	2.44E-05	5.82E-04	1.53E-05	9.19E-06	6.31E-04	2.32E-05	1.09E-09	2.04E-07	2.51E-07	2.37E-05
5246	491863.09	3865377.25	5.14E-05	1.35E-09	2.35E-07	2.75E-07	5.19E-05	2.44E-05	5.95E-04	1.76E-05	1.01E-05	6.47E-04	2.33E-05	1.12E-09	2.35E-07	2.75E-07	2.38E-05
5247	492363.09	3865377.25	4.63E-05	9.79E-10	2.87E-07	3.37E-07	4.70E-05	2.20E-05	4.31E-04	2.15E-05	1.23E-05	4.87E-04	2.10E-05	8.09E-10	2.87E-07	3.37E-07	2.16E-05
5248	492863.09	3865377.25	4.17E-05	7.03E-10	3.51E-07	2.68E-07	4.24E-05	1.98E-05	3.10E-04	2.63E-05	9.82E-06	3.66E-04	1.89E-05	5.81E-10	3.51E-07	2.68E-07	1.95E-05
5249	493363.09	3865377.25	3.55E-05	5.94E-10	3.70E-07	2.32E-07	3.61E-05	1.69E-05	2.62E-04	2.77E-05	8.52E-06	3.15E-04	1.60E-05	4.91E-10	3.70E-07	2.32E-07	1.66E-05
5250	493863.09	3865377.25	4.80E-05	9.68E-10	6.02E-07	2.78E-07	4.88E-05	2.28E-05	4.26E-04	4.52E-05	1.02E-05	5.04E-04	2.17E-05	7.99E-10	6.02E-07	2.78E-07	2.26E-05
5251	494363.09	3865377.25	4.82E-05	1.32E-09	4.50E-07	2.76E-07	4.90E-05	2.29E-05	5.83E-04	3.37E-05	1.01E-05	6.50E-04	2.18E-05	1.09E-09	4.50E-07	2.76E-07	2.25E-05
5252	494863.09	3865377.25	5.16E-05	1.40E-09	3.78E-07	2.64E-07	5.23E-05	2.46E-05	6.17E-04	2.84E-05	9.69E-06	6.79E-04	2.34E-05	1.16E-09	3.78E-07	2.64E-07	2.40E-05
5253	495363.09	3865377.25	5.50E-05	1.40E-09	3.73E-07	2.48E-07	5.57E-05	2.62E-05	6.15E-04	2.79E-05	9.09E-06	6.78E-04	2.49E-05	1.15E-09	3.73E-07	2.48E-07	2.55E-05
5254	495863.09	3865377.25	5.61E-05	1.43E-09	4.13E-07	2.39E-07	5.67E-05	2.67E-05	6.29E-04	3.10E-05	8.75E-06	6.95E-04	2.54E-05	1.18E-09	4.13E-07	2.39E-07	2.60E-05
5255	496363.09	3865377.25	5.51E-05	1.42E-09	4.32E-07	2.39E-07	5.58E-05	2.62E-05	6.24E-04	3.24E-05	8.75E-06	6.91E-04	2.49E-05	1.17E-09	4.32E-07	2.39E-07	2.56E-05
5256	496863.09	3865377.25	5.26E-05	1.43E-09	4.07E-07	2.45E-07	5.33E-05	2.50E-05	6.28E-04	3.06E-05	8.97E-06	6.93E-04	2.38E-05	1.18E-09	4.07E-07	2.45E-07	2.45E-05
5257	497363.09	3865377.25	4.99E-05	1.49E-09	3.74E-07	2.51E-07	5.05E-05	2.37E-05	6.56E-04	2.81E-05	9.19E-06	7.17E-04	2.26E-05	1.23E-09	3.74E-07	2.51E-07	2.32E-05
5258	497863.09	3865377.25	4.83E-05	1.53E-09	3.54E-07	2.57E-07	4.89E-05	2.30E-05	6.73E-04	2.65E-05	9.41E-06	7.31E-04	2.19E-05	1.26E-09	3.54E-07	2.57E-07	2.25E-05
5259	498363.09	3865377.25	4.80E-05	1.54E-09	3.48E-07	2.57E-07	4.86E-05	2.28E-05	6.79E-04	2.61E-05	9.44E-06	7.38E-04	2.17E-05	1.27E-09	3.48E-07	2.57E-07	2.23E-05
5260	471363.09	3865877.25	2.47E-05	5.62E-10	3.04E-07	2.22E-07	2.52E-05	1.17E-05	2.48E-04	2.28E-05	8.15E-06	2.90E-04	1.12E-05	4.64E-10	3.04E-07	2.22E-07	1.17E-05
5261	471863.09	3865877.25	2.52E-05	5.86E-10	3.18E-07	2.25E-07	2.57E-05	1.20E-05	2.58E-04	2.39E-05	8.24E-06	3.02E-04	1.14E-05	4.84E-10	3.18E-07	2.25E-07	1.19E-05
5262	472363.09	3865877.25	2.60E-05	6.07E-10	3.32E-07	2.26E-07	2.66E-05	1.24E-05	2.67E-04	2.49E-05	8.27E-06	3.13E-04	1.18E-05	5.01E-10	3.32E-07	2.26E-07	1.23E-05
5263	472863.09	3865877.25	2.66E-05	6.31E-10	3.41E-07	2.26E-07	2.72E-05	1.27E-05	2.78E-04	2.56E-05	8.30E-06	3.24E-04	1.20E-05	5.21E-10	3.41E-07	2.26E-07	1.26E-05
5264	473363.09	3865877.25	2.73E-05	6.53E-10	3.45E-07	2.26E-07	2.79E-05	1.30E-05	2.88E-04	2.59E-05	8.30E-06	3.35E-04	1.23E-05	5.39E-10	3.45E-07	2.26E-07	1.29E-05
5265	473863.09	3865877.25	2.80E-05	6.74E-10	3.50E-07	2.26E-07	2.86E-05	1.33E-05	2.97E-04	2.62E-05	8.27E-06	3.45E-04	1.27E-05	5.57E-10	3.50E-07	2.26E-07	1.33E-05
5266	474363.09	3865877.25	2.87E-05	6.94E-10	3.50E-07	2.25E-07	2.93E-05	1.37E-05	3.06E-04	2.63E-05	8.24E-06	3.54E-04	1.30E-05	5.73E-10	3.50E-07	2.25E-07	1.36E-05
5267	474863.09	3865877.25	2.96E-05	7.15E-10	3.54E-07	2.26E-07	3.02E-05	1.41E-05	3.15E-04	2.65E-05	8.30E-06	3.64E-04	1.34E-05	5.91E-10	3.54E-07	2.26E-07	1.40E-05
5268	475363.09	3865877.25	3.06E-05	7.40E-10	3.55E-07	2.30E-07	3.12E-05	1.46E-05	3.26E-04	2.66E-05	8.43E-06	3.76E-04	1.39E-05	6.11E-10	3.55E-07	2.30E-07	1.44E-05
5269	475863.09	3865877.25	3.19E-05	7.68E-10	3.59E-07	2.35E-07	3.25E-05	1.52E-05	3.38E-04	2.69E-05	8.62E-06	3.89E-04	1.44E-05	6.34E-10	3.59E-07	2.35E-07	1.50E-05
5270	476363.09	3865877.25	3.38E-05	7.73E-10	3.75E-07	2.38E-07	3.45E-05	1.61E-05	3.41E-04	2.81E-05	8.71E-06	3.93E-04	1.53E-05	6.39E-10	3.75E-07	2.38E-07	1.59E-05
5271	476863.09	3865877.25	3.51E-05	7.44E-10	3.90E-07	2.46E-07	3.57E-05	1.67E-05	3.28E-04	2.93E-05	9.03E-06	3.83E-04	1.59E-05	6.14E-10	3.90E-07	2.46E-07	1.65E-05
5272	477363.09	3865877.25	3.62E-05	8.46E-10	3.90E-07	2.50E-07	3.68E-05	1.72E-05	3.73E-04	2.92E-05	9.16E-06	4.28E-04	1.64E-05	6.99E-10	3.90E-07	2.50E-07	1.70E-05
5273	477863.09	3865877.25	3.73E-05	8.80E-10	3.79E-07	2.59E-07	3.79E-05	1.77E-05	3.87E-04	2.84E-05	9.50E-06	4.43E-04	1.69E-05	7.27E-10	3.79E-07	2.59E-07	1.75E-05
5274	478363.09	3865877.25	3.91E-05	8.99E-10	3.69E-07	2.63E-07	3.97E-05	1.86E-05	3.96E-04	2.77E-05	9.66E-06	4.52E-04	1.77E-05	7.43E-10	3.69E-07	2.63E-07	1.83E-05
5275	478863.09	3865877.25	4.09E-05	9.16E-10	3.44E-07	2.63E-07	4.15E-05	1.94E-05	4.03E-04	2.58E-05	9.63E-06	4.58E-04	1.85E-05	7.56E-10	3.44E-07	2.63E-07	1.91E-05
5276	479363.09	3865877.25	4.25E-05	9.37E-10	3.16E-07	2.57E-07	4.31E-05	2.02E-05	4.13E-04	2.37E-05	9.44E-06	4.66E-04	1.92E-05	7.74E-10	3.16E-07	2.57E-07	1.98E-05
5277	479863.09	3865877.25	4.35E-05	9.68E-10	2.94E-07	2.49E-07	4.41E-05	2.07E-05	4.27E-04	2.21E-05	9.12E-06	4.78E-04	1.97E-05	8.00E-10	2.94E-07	2.49E-07	2.02E-05
5278	480363.09	3865877.25	4.39E-05	1.01E-09	2.82E-07	2.42E-07	4.44E-05	2.09E-05	4.44E-04	2.11E-05	8.87E-06	4.95E-04	1.99E-05	8.32E-10	2.82E-07	2.42E-07	2.04E-05
5279	480863.09	3865877.25	4.41E-05	1.05E-09	2.73E-07	2.38E-07	4.46E-05	2.10E-05	4.61E-04	2.05E-05	8.71E-06	5.11E-04	2.00E-05	8.65E-10	2.73E-07	2.38E-07	2.05E-05
5280	481363.09	3865877.25	4.43E-05	1.08E-09	2.62E-07	2.33E-07	4.48E-05	2.10E-05	4.76E-04	1.96E-05	8.56E-06	5.26E-04	2.00E-05	8.93E-10	2.62E-07	2.33E-07	2.05E-05
5281	481863.09	3865877.25	4.48E-05	1.12E-09	2.48E-07	2.31E-07	4.52E-05	2.13E-05	4.93E-04	1.86E-05	8.46E-06	5.41E-04	2.03E-05	9.24E-10	2.48E-07	2.31E-07	2.07E-05
5282	482363.09	3865877.25	4.51E-05	1.17E-09	2.51E-07	2.35E-07	4.56E-05	2.15E-05	5.14E-04	1.88E-05	8.62E-06	5.63E-04	2.04E-05	9.65E-10	2.51E-07	2.35E-07	2.09E-05
5283	482863.09	3865877.25	4.47E-05	1.22E-09	3.01E-07	2.45E-07	4.53E-05	2.13E-05	5.38E-04	2.26E-05	8.97E-06	5.91E-04	2.02E-05	1.01E-09	3.01E-07	2.45E-07	2.08E-05
5284	483363.09	3865877.25	4.46E-05	1.25E-09	3.81E-07	2.50E-07	4.52E-05	2.12E-05	5.49E-04	2.86E-05	9.16E-06	6.08E-04	2.02E-05	1.03E-09	3.81E-07	2.50E-07	2.08E-05
5285	483863.09	3865877.25	4.56E-05	1.26E-09	3.89E-07	2.45E-07	4.62E-05	2.17E-05	5.53E-04	2.91E-05	8.97E-06	6.13E-04	2.06E-05	1.04E-09	3.89E-07	2.45E-07	2.13E-05
5286	484363.09	3865877.25	4.62E-05	1.28E-09	3.06E-07	2.42E-07	4.68E-05	2.20E-05	5.66E-04	2.30E-05	8.87E-06	6.20E-04	2.09E-05	1.06E-09	3.06E-07	2.42E-07	2.15E-05
5287	484863.09	3865877.25	4.51E-05	1.32E-09	2.44E-07	2.42E-07	4.56E-05	2.14E-05	5.82E-04	1.83E-05	8.87E-06	6.31E-04	2.04E-05	1.09E-09	2.44E-07	2.42E-07	2.09E-05
5288	485363.09	3865877.25	4.32E-05	1.33E-09	2.56E-07	2.27E-07	4.37E-05	2.05E-05	5.84E-04	1.92E-05	8.34E-06	6.32E-04	1.95E-05	1.10E-09	2.56E-07	2.27E-07	2.00E-05
5289	485863.09	3865877.25	4.17E-05	1.31E-09	2.49E-07	2.16E-07	4.22E-05	1.98E-05	5.76E-04	1.87E-05	7.93E-06	6.23E-04	1.89E-05	1.08E-09	2.49E-07	2.16E-07	1.93E-05
5290	486363.09	3865877.25	4.01E-05	1.34E-09	2.42E-07	2.20E-07	4.06E-05	1.91E-05	5.89E-04	1.81E-05	8.08E-06	6.35E-04	1.82E-05	1.11E-09	2.42E-07	2.20E-07	1.86E-05
5291	486863.09	3865877.25	3.90E-05	1.33E-09	2.97E-07	2.20E-07	3.95E-05	1.85E-05	5.87E-04	2.23E-05	8.08E-06	6.35E-04	1.76E-05	1.10E-09	2.97E-07	2.20E-07	1.82E-05
5292	487363.09	3865877.25	3.94E-05	1.29E-09	3.55E-07	2.24E-07	4.00E-05	1.87E-05	5.70E-04	2.66E-05	8.21E-06	6.24E-04	1.78E-05	1.07E-09	3.55E-07	2.24E-07	1.84E-05
5293	487863.09	3865877.25	4.17E-05	1.28E-09	3.70E-07	2.28E-07	4.23E-05	1.98E-05	5.63E-04	2.77E-05	8.37E-06	6.19E-04	1.88E-05	1.06E-09	3.70E-07	2.28E-07	1.94E-05
5294	488363.09	3865877.25	4.35E-05	1.26E-09	3.44E-07	2.26E-07	4.41E-05	2.07E-05	5.53E-04	2.58E-05	8.30E-06	6.08E-04	1.97E-05	1.04E-09	3.44E-07	2.26E-07	2.03E-05
5295	488863.09	3865877.25	4.44E-05	1.25E-09	2.70E-07	2.14E-07	4.49E-05	2.11E-05	5.53E-04	2.03E-05	7.83E-06	6.02E-04	2.01E-05	1.04E-09	2.70E-07	2.14E-07	2.06E-05
5296	489363.09	3865877.25	4.39E-05	1.28E-09	2.29E-07	2.05E-07	4.43E-05	2.09E-05	5.65E-04	1.72E-05	7.51E-06	6.11E-04	1.98E-05	1.06E-09	2.29E-07	2.05E-07	2.03E-05
5297	489863.09	3865877.25	4.23E-05	1.31E-09	2.43E-07	2.09E-07	4.28E-05	2.01E-05	5.76E-04	1.82E-05	7.67E-06	6.22E-04	1.92E-05	1.08E-09	2.43E-07	2.09E-07	1.96E-05
5298	490363.09	3865877.25	4.20E-05	1.29E-09	2.47E-07	2.08E-07	4.25E-05	2.00E-05	5.69E-04	1.85E-05	7.61E-06	6.15E-04	1.90E-05	1.07E-09	2.47E-07	2.08E-07	1.95E-05
5299	490863.09	3865877.25	4.33E-05	1.23E-09	1.93E-07	2.10E-07	4.37E-05	2.06E-05	5.42E-04	1.45E-05	7.70E-06	5.85E-04	1.96E-05	1.02E-09	1.93E-07	2.10E-07	2.00E-05
5300	491363.09	3865877.25	4.59E-05	1.14E-09	1.84E-07	2.23E-07	4.63E-05	2.18E-05	5.00E-04	1.38E-05	8.18E-06	5.44E-04	2.08E-05	9.38E-10	1.84E-07	2.23E-07	2.12E-05
5301	491863.09	3865877.25	4.79E-05	1.12E-09	2.02E-07	2.45E-07	4.83E-05	2.28E-05	4.93E-04	1.52E-05	8.97E-06	5.40E-04	2.17E-05	9.24E-10	2.02E-07	2.45E-07	2.21E-05
5302	492363.09	3865877.25	4.54E-05	1.03E-09	2.36E-07	2.70E-07	4.59E-05	2.16E-05	4.55E-04	1.77E-05	9.91E-06	5.05E-04	2.05E-05	8.54E-10	2.36E-07	2.70E-07	2.10E-05
5303	492863.09	3865877.25	3.82E-05	6.75E-10	2.87E-07	2.65E-07	3.87E-05	1.81E-05	2.97E-04	2.15E-05	9.72E-06	3.47E-04	1.73E-05	5.58E-10	2.87E-07	2.65E-07	1.78E-05

5304	493363.09	3865877.25	4.08E-05	6.91E-10	3.72E-07	2.66E-07	4.14E-05	1.94E-05	3.04E-04	2.79E-05	9.76E-06	3.61E-04	1.85E-05	5.71E-10	3.72E-07	2.66E-07	1.91E-05
5305	493863.09	3865877.25	4.65E-05	8.91E-10	4.35E-07	2.53E-07	4.71E-05	2.21E-05	3.92E-04	3.27E-05	9.28E-06	4.57E-04	2.10E-05	7.36E-10	4.35E-07	2.53E-07	2.17E-05
5306	494363.09	3865877.25	4.68E-05	1.15E-09	4.46E-07	2.53E-07	4.75E-05	2.23E-05	5.05E-04	3.35E-05	9.28E-06	5.70E-04	2.12E-05	9.47E-10	4.46E-07	2.53E-07	2.19E-05
5307	494863.09	3865877.25	4.66E-05	1.33E-09	3.82E-07	2.52E-07	4.72E-05	2.21E-05	5.87E-04	2.86E-05	9.25E-06	6.48E-04	2.11E-05	1.10E-09	3.82E-07	2.52E-07	2.17E-05
5308	495363.09	3865877.25	4.79E-05	1.30E-09	3.52E-07	2.47E-07	4.85E-05	2.28E-05	5.73E-04	2.64E-05	9.06E-06	6.31E-04	2.17E-05	1.07E-09	3.52E-07	2.47E-07	2.23E-05
5309	495863.09	3865877.25	5.04E-05	1.23E-09	3.48E-07	2.33E-07	5.09E-05	2.39E-05	5.43E-04	2.61E-05	8.56E-06	6.01E-04	2.28E-05	1.02E-09	3.48E-07	2.33E-07	2.34E-05
5310	496363.09	3865877.25	5.20E-05	1.19E-09	3.83E-07	2.22E-07	5.26E-05	2.47E-05	5.24E-04	2.87E-05	8.15E-06	5.86E-04	2.35E-05	9.84E-10	3.83E-07	2.22E-07	2.41E-05
5311	496863.09	3865877.25	5.12E-05	1.16E-09	4.11E-07	2.22E-07	5.18E-05	2.43E-05	5.13E-04	3.08E-05	8.15E-06	5.76E-04	2.32E-05	9.62E-10	4.11E-07	2.22E-07	2.38E-05
5312	497363.09	3865877.25	4.87E-05	1.22E-09	3.88E-07	2.26E-07	4.93E-05	2.32E-05	5.39E-04	2.91E-05	8.27E-06	5.99E-04	2.20E-05	1.01E-09	3.88E-07	2.26E-07	2.26E-05
5313	497863.09	3865877.25	4.63E-05	1.27E-09	3.50E-07	2.32E-07	4.69E-05	2.20E-05	5.58E-04	2.62E-05	8.52E-06	6.15E-04	2.10E-05	1.05E-09	3.50E-07	2.32E-07	2.15E-05
5314	498363.09	3865877.25	4.41E-05	1.25E-09	3.17E-07	2.43E-07	4.46E-05	2.09E-05	5.48E-04	2.38E-05	8.90E-06	6.02E-04	1.99E-05	1.03E-09	3.17E-07	2.43E-07	2.05E-05
5315	471363.09	3866377.25	2.35E-05	5.50E-10	3.13E-07	2.15E-07	2.40E-05	1.12E-05	2.42E-04	2.35E-05	7.89E-06	2.85E-04	1.06E-05	4.54E-10	3.13E-07	2.15E-07	1.11E-05
5316	471863.09	3866377.25	2.43E-05	5.66E-10	3.28E-07	2.15E-07	2.48E-05	1.15E-05	2.49E-04	2.46E-05	7.89E-06	2.94E-04	1.10E-05	4.68E-10	3.28E-07	2.15E-07	1.15E-05
5317	472363.09	3866377.25	2.50E-05	5.83E-10	3.36E-07	2.14E-07	2.55E-05	1.19E-05	2.57E-04	2.52E-05	7.86E-06	3.02E-04	1.13E-05	4.81E-10	3.36E-07	2.14E-07	1.18E-05
5318	472863.09	3866377.25	2.54E-05	6.03E-10	3.29E-07	2.14E-07	2.60E-05	1.21E-05	2.66E-04	2.47E-05	7.86E-06	3.10E-04	1.15E-05	4.98E-10	3.29E-07	2.14E-07	1.20E-05
5319	473363.09	3866377.25	2.61E-05	6.19E-10	3.32E-07	2.14E-07	2.66E-05	1.24E-05	2.73E-04	2.49E-05	7.83E-06	3.18E-04	1.18E-05	5.12E-10	3.32E-07	2.14E-07	1.23E-05
5320	473863.09	3866377.25	2.66E-05	6.37E-10	3.31E-07	2.14E-07	2.71E-05	1.26E-05	2.81E-04	2.48E-05	7.83E-06	3.26E-04	1.20E-05	5.26E-10	3.31E-07	2.14E-07	1.26E-05
5321	474363.09	3866377.25	2.72E-05	6.57E-10	3.33E-07	2.15E-07	2.78E-05	1.30E-05	2.89E-04	2.49E-05	7.89E-06	3.35E-04	1.23E-05	5.42E-10	3.33E-07	2.15E-07	1.29E-05
5322	474863.09	3866377.25	2.82E-05	6.78E-10	3.37E-07	2.19E-07	2.87E-05	1.34E-05	2.99E-04	2.53E-05	8.02E-06	3.45E-04	1.27E-05	5.60E-10	3.37E-07	2.19E-07	1.33E-05
5323	475363.09	3866377.25	2.92E-05	7.01E-10	3.38E-07	2.23E-07	2.98E-05	1.39E-05	3.09E-04	2.54E-05	8.18E-06	3.56E-04	1.32E-05	5.79E-10	3.38E-07	2.23E-07	1.38E-05
5324	475863.09	3866377.25	3.04E-05	7.26E-10	3.41E-07	2.27E-07	3.10E-05	1.44E-05	3.20E-04	2.56E-05	8.34E-06	3.68E-04	1.37E-05	6.00E-10	3.41E-07	2.27E-07	1.43E-05
5325	476363.09	3866377.25	3.21E-05	7.40E-10	3.64E-07	2.32E-07	3.27E-05	1.53E-05	3.26E-04	2.73E-05	8.49E-06	3.77E-04	1.45E-05	6.11E-10	3.64E-07	2.32E-07	1.51E-05
5326	476863.09	3866377.25	3.32E-05	6.74E-10	3.84E-07	2.40E-07	3.38E-05	1.58E-05	2.97E-04	2.88E-05	8.81E-06	3.50E-04	1.50E-05	5.57E-10	3.84E-07	2.40E-07	1.56E-05
5327	477363.09	3866377.25	3.48E-05	7.55E-10	3.75E-07	2.41E-07	3.54E-05	1.65E-05	3.33E-04	2.81E-05	8.84E-06	3.86E-04	1.57E-05	6.24E-10	3.75E-07	2.41E-07	1.64E-05
5328	477863.09	3866377.25	3.60E-05	8.05E-10	3.55E-07	2.51E-07	3.66E-05	1.71E-05	3.55E-04	2.67E-05	9.22E-06	4.08E-04	1.63E-05	6.65E-10	3.55E-07	2.51E-07	1.69E-05
5329	478363.09	3866377.25	3.72E-05	8.24E-10	3.22E-07	2.49E-07	3.78E-05	1.77E-05	3.63E-04	2.42E-05	9.12E-06	4.14E-04	1.68E-05	6.81E-10	3.22E-07	2.49E-07	1.74E-05
5330	478863.09	3866377.25	3.87E-05	8.45E-10	2.97E-07	2.45E-07	3.93E-05	1.84E-05	3.72E-04	2.23E-05	9.00E-06	4.22E-04	1.75E-05	6.98E-10	2.97E-07	2.45E-07	1.81E-05
5331	479363.09	3866377.25	3.99E-05	8.74E-10	2.78E-07	2.39E-07	4.05E-05	1.90E-05	3.85E-04	2.09E-05	8.78E-06	4.34E-04	1.81E-05	7.22E-10	2.78E-07	2.39E-07	1.86E-05
5332	479863.09	3866377.25	4.08E-05	9.09E-10	2.68E-07	2.32E-07	4.13E-05	1.94E-05	4.00E-04	2.01E-05	8.49E-06	4.48E-04	1.84E-05	7.51E-10	2.68E-07	2.32E-07	1.89E-05
5333	480363.09	3866377.25	4.11E-05	9.41E-10	2.60E-07	2.26E-07	4.16E-05	1.95E-05	4.15E-04	1.95E-05	8.27E-06	4.62E-04	1.86E-05	7.77E-10	2.60E-07	2.26E-07	1.91E-05
5334	480863.09	3866377.25	4.10E-05	9.68E-10	2.50E-07	2.20E-07	4.15E-05	1.95E-05	4.27E-04	1.88E-05	8.05E-06	4.73E-04	1.85E-05	8.00E-10	2.50E-07	2.20E-07	1.90E-05
5335	481363.09	3866377.25	4.10E-05	9.99E-10	2.37E-07	2.16E-07	4.15E-05	1.95E-05	4.40E-04	1.78E-05	7.93E-06	4.85E-04	1.86E-05	8.25E-10	2.37E-07	2.16E-07	1.90E-05
5336	481863.09	3866377.25	4.12E-05	1.04E-09	2.33E-07	2.16E-07	4.17E-05	1.96E-05	4.57E-04	1.75E-05	7.93E-06	5.02E-04	1.87E-05	8.57E-10	2.33E-07	2.16E-07	1.91E-05
5337	482363.09	3866377.25	4.13E-05	1.09E-09	2.65E-07	2.23E-07	4.18E-05	1.96E-05	4.78E-04	1.99E-05	8.18E-06	5.26E-04	1.87E-05	8.96E-10	2.65E-07	2.23E-07	1.92E-05
5338	482863.09	3866377.25	4.10E-05	1.12E-09	3.39E-07	2.32E-07	4.16E-05	1.95E-05	4.94E-04	2.55E-05	8.52E-06	5.47E-04	1.86E-05	9.26E-10	3.39E-07	2.32E-07	1.91E-05
5339	483363.09	3866377.25	4.13E-05	1.13E-09	3.86E-07	2.32E-07	4.19E-05	1.96E-05	4.98E-04	2.90E-05	8.52E-06	5.55E-04	1.87E-05	9.34E-10	3.86E-07	2.32E-07	1.93E-05
5340	483863.09	3866377.25	4.23E-05	1.14E-09	3.38E-07	2.32E-07	4.29E-05	2.01E-05	5.02E-04	2.53E-05	8.49E-06	5.56E-04	1.91E-05	9.42E-10	3.38E-07	2.32E-07	1.97E-05
5341	484363.09	3866377.25	4.24E-05	1.17E-09	2.57E-07	2.35E-07	4.29E-05	2.02E-05	5.14E-04	1.93E-05	8.62E-06	5.62E-04	1.92E-05	9.64E-10	2.57E-07	2.35E-07	1.97E-05
5342	484863.09	3866377.25	4.14E-05	1.19E-09	2.34E-07	2.29E-07	4.19E-05	1.97E-05	5.24E-04	1.75E-05	8.40E-06	5.70E-04	1.87E-05	9.83E-10	2.34E-07	2.29E-07	1.92E-05
5343	485363.09	3866377.25	3.98E-05	1.17E-09	2.52E-07	2.08E-07	4.03E-05	1.89E-05	5.15E-04	1.89E-05	7.64E-06	5.61E-04	1.80E-05	9.67E-10	2.52E-07	2.08E-07	1.85E-05
5344	485863.09	3866377.25	3.84E-05	1.16E-09	2.30E-07	2.02E-07	3.88E-05	1.82E-05	5.11E-04	1.73E-05	7.42E-06	5.54E-04	1.74E-05	9.59E-10	2.30E-07	2.02E-07	1.78E-05
5345	486363.09	3866377.25	3.69E-05	1.20E-09	2.36E-07	2.09E-07	3.74E-05	1.75E-05	5.28E-04	1.77E-05	7.67E-06	5.71E-04	1.67E-05	9.90E-10	2.36E-07	2.09E-07	1.71E-05
5346	486863.09	3866377.25	3.58E-05	1.19E-09	2.93E-07	2.10E-07	3.64E-05	1.70E-05	5.24E-04	2.20E-05	7.70E-06	5.70E-04	1.62E-05	9.82E-10	2.93E-07	2.10E-07	1.67E-05
5347	487363.09	3866377.25	3.68E-05	1.17E-09	3.53E-07	2.21E-07	3.74E-05	1.75E-05	5.14E-04	2.65E-05	8.11E-06	5.66E-04	1.66E-05	9.64E-10	3.53E-07	2.21E-07	1.72E-05
5348	487863.09	3866377.25	3.92E-05	1.14E-09	3.78E-07	2.21E-07	3.98E-05	1.86E-05	5.04E-04	2.84E-05	8.11E-06	5.59E-04	1.77E-05	9.45E-10	3.78E-07	2.21E-07	1.83E-05
5349	488363.09	3866377.25	4.10E-05	1.12E-09	3.53E-07	2.18E-07	4.16E-05	1.95E-05	4.94E-04	2.65E-05	7.99E-06	5.48E-04	1.86E-05	9.26E-10	3.53E-07	2.18E-07	1.91E-05
5350	488863.09	3866377.25	4.24E-05	1.09E-09	2.80E-07	2.01E-07	4.29E-05	2.02E-05	4.79E-04	2.10E-05	7.39E-06	5.28E-04	1.92E-05	8.99E-10	2.80E-07	2.01E-07	1.97E-05
5351	489363.09	3866377.25	4.21E-05	1.10E-09	2.21E-07	1.89E-07	4.25E-05	2.00E-05	4.82E-04	1.66E-05	6.95E-06	5.26E-04	1.91E-05	9.04E-10	2.21E-07	1.89E-07	1.95E-05
5352	489863.09	3866377.25	4.07E-05	1.06E-09	2.49E-07	2.01E-07	4.12E-05	1.94E-05	4.65E-04	1.87E-05	7.39E-06	5.11E-04	1.84E-05	8.73E-10	2.49E-07	2.01E-07	1.89E-05
5353	490363.09	3866377.25	3.89E-05	1.16E-09	2.52E-07	1.94E-07	3.94E-05	1.85E-05	5.11E-04	1.89E-05	7.10E-06	5.55E-04	1.76E-05	9.58E-10	2.52E-07	1.94E-07	1.81E-05
5354	490863.09	3866377.25	3.86E-05	1.15E-09	2.02E-07	1.96E-07	3.90E-05	1.84E-05	5.06E-04	1.52E-05	7.20E-06	5.47E-04	1.75E-05	9.49E-10	2.02E-07	1.96E-07	1.79E-05
5355	491363.09	3866377.25	4.06E-05	1.15E-09	1.78E-07	2.03E-07	4.09E-05	1.93E-05	5.05E-04	1.33E-05	7.45E-06	5.45E-04	1.84E-05	9.46E-10	1.78E-07	2.03E-07	1.87E-05
5356	491863.09	3866377.25	4.36E-05	9.18E-10	1.81E-07	2.22E-07	4.40E-05	2.07E-05	4.04E-04	1.36E-05	8.15E-06	4.47E-04	1.97E-05	7.59E-10	1.81E-07	2.22E-07	2.01E-05
5357	492363.09	3866377.25	4.37E-05	9.43E-10	2.03E-07	2.41E-07	4.42E-05	2.08E-05	4.15E-04	1.52E-05	8.84E-06	4.60E-04	1.98E-05	7.79E-10	2.03E-07	2.41E-07	2.02E-05
5358	492863.09	3866377.25	3.90E-05	7.83E-10	2.42E-07	2.66E-07	3.95E-05	1.86E-05	3.45E-04	1.81E-05	9.76E-06	3.91E-04	1.77E-05	6.46E-10	2.42E-07	2.66E-07	1.82E-05
5359	493363.09	3866377.25	3.96E-05	8.36E-10	3.01E-07	2.65E-07	4.02E-05	1.88E-05	3.68E-04	2.26E-05	9.72E-06	4.19E-04	1.79E-05	6.91E-10	3.01E-07	2.65E-07	1.85E-05
5360	493863.09	3866377.25	4.34E-05	9.40E-10	3.51E-07	2.51E-07	4.40E-05	2.06E-05	4.14E-04	2.63E-05	9.19E-06	4.70E-04	1.96E-05	7.76E-10	3.51E-07	2.51E-07	2.02E-05
5361	494363.09	3866377.25	4.49E-05	1.12E-09	3.62E-07	2.30E-07	4.55E-05	2.14E-05	4.94E-04	2.72E-05	8.43E-06	5.51E-04	2.03E-05	9.27E-10	3.62E-07	2.30E-07	2.09E-05
5362	494863.09	3866377.25	4.32E-05	1.15E-09	3.83E-07	2.32E-07	4.38E-05	2.05E-05	5.08E-04	2.87E-05	8.52E-06	5.66E-04	1.95E-05	9.53E-10	3.83E-07	2.32E-07	2.02E-05
5363	495363.09	3866377.25	4.05E-05	1.12E-09	3.81E-07	2.40E-07	4.11E-05	1.93E-05	4.93E-04	2.86E-05	8.81E-06	5.49E-04	1.83E-05	9.24E-10	3.81E-07	2.40E-07	1.90E-05
5364	495863.09	3866377.25	4.27E-05	1.06E-09	3.39E-07	2.38E-07	4.33E-05	2.03E-05	4.65E-04	2.55E-05	8.71E-06	5.19E-04	1.93E-05	8.72E-10	3.39E-07	2.38E-07	1.99E-05

5365	496363.09	3866377.25	4.71E-05	1.01E-09	3.28E-07	2.21E-07	4.77E-05	2.24E-05	4.43E-04	2.46E-05	8.11E-06	4.98E-04	2.13E-05	8.31E-10	3.28E-07	2.21E-07	2.19E-05
5366	496863.09	3866377.25	4.78E-05	9.46E-10	3.68E-07	2.08E-07	4.83E-05	2.27E-05	4.16E-04	2.76E-05	7.61E-06	4.74E-04	2.16E-05	7.81E-10	3.68E-07	2.08E-07	2.22E-05
5367	497363.09	3866377.25	4.69E-05	9.63E-10	4.05E-07	2.12E-07	4.75E-05	2.23E-05	4.24E-04	3.04E-05	7.77E-06	4.85E-04	2.12E-05	7.96E-10	4.05E-07	2.12E-07	2.18E-05
5368	497863.09	3866377.25	4.52E-05	1.02E-09	3.80E-07	2.17E-07	4.58E-05	2.15E-05	4.50E-04	2.85E-05	7.96E-06	5.08E-04	2.04E-05	8.44E-10	3.80E-07	2.17E-07	2.10E-05
5369	498363.09	3866377.25	4.09E-05	9.01E-10	3.36E-07	2.27E-07	4.14E-05	1.94E-05	3.97E-04	2.52E-05	8.34E-06	4.50E-04	1.85E-05	7.44E-10	3.36E-07	2.27E-07	1.91E-05
5370	474494.92	3848334.16	2.78E-05	2.85E-10	1.39E-07	1.99E-07	2.81E-05	1.32E-05	1.25E-04	1.05E-05	7.29E-06	1.56E-04	1.26E-05	2.35E-10	1.39E-07	1.99E-07	1.29E-05
5371	475167.27	3848920.79	3.17E-05	3.18E-10	1.47E-07	2.13E-07	3.20E-05	1.51E-05	1.40E-04	1.10E-05	7.80E-06	1.74E-04	1.43E-05	2.62E-10	1.47E-07	2.13E-07	1.47E-05
5372	475297.89	3848997.96	3.23E-05	3.23E-10	1.48E-07	2.14E-07	3.26E-05	1.53E-05	1.42E-04	1.11E-05	7.86E-06	1.76E-04	1.46E-05	2.66E-10	1.48E-07	2.14E-07	1.50E-05
5373	475439.05	3849062	3.23E-05	3.16E-10	1.50E-07	2.15E-07	3.26E-05	1.53E-05	1.39E-04	1.12E-05	7.89E-06	1.74E-04	1.46E-05	2.61E-10	1.50E-07	2.15E-07	1.50E-05
5374	475486.86	3849061.09	3.21E-05	3.13E-10	1.50E-07	2.15E-07	3.25E-05	1.53E-05	1.38E-04	1.12E-05	7.89E-06	1.72E-04	1.45E-05	2.59E-10	1.50E-07	2.15E-07	1.49E-05
5375	475538.46	3849075.56	3.23E-05	3.17E-10	1.51E-07	2.15E-07	3.27E-05	1.54E-05	1.40E-04	1.13E-05	7.89E-06	1.74E-04	1.46E-05	2.62E-10	1.51E-07	2.15E-07	1.50E-05
5376	475751.79	3849137.15	3.34E-05	3.44E-10	1.52E-07	2.17E-07	3.37E-05	1.59E-05	1.52E-04	1.14E-05	7.96E-06	1.87E-04	1.51E-05	2.84E-10	1.52E-07	2.17E-07	1.55E-05
5377	476303.62	3849223.38	3.45E-05	4.21E-10	1.57E-07	2.17E-07	3.48E-05	1.64E-05	1.85E-04	1.18E-05	7.96E-06	2.21E-04	1.56E-05	3.47E-10	1.57E-07	2.17E-07	1.60E-05
5378	476304.51	3849238.92	3.46E-05	4.21E-10	1.57E-07	2.17E-07	3.50E-05	1.65E-05	1.85E-04	1.18E-05	7.96E-06	2.21E-04	1.57E-05	3.47E-10	1.57E-07	2.17E-07	1.60E-05
5379	476365.04	3849247.98	3.47E-05	4.31E-10	1.58E-07	2.17E-07	3.51E-05	1.65E-05	1.90E-04	1.19E-05	7.96E-06	2.26E-04	1.57E-05	3.56E-10	1.58E-07	2.17E-07	1.61E-05
5380	476444.86	3849267.13	3.48E-05	4.38E-10	1.59E-07	2.17E-07	3.52E-05	1.65E-05	1.93E-04	1.19E-05	7.96E-06	2.29E-04	1.57E-05	3.62E-10	1.59E-07	2.17E-07	1.61E-05
5381	476550.75	3849300.66	3.51E-05	4.61E-10	1.60E-07	2.18E-07	3.55E-05	1.67E-05	2.03E-04	1.20E-05	7.99E-06	2.40E-04	1.59E-05	3.81E-10	1.60E-07	2.18E-07	1.63E-05
5382	476656.71	3849346.88	3.55E-05	4.80E-10	1.62E-07	2.19E-07	3.59E-05	1.69E-05	2.11E-04	1.21E-05	8.02E-06	2.48E-04	1.61E-05	3.96E-10	1.62E-07	2.19E-07	1.64E-05
5383	476873.55	3849454.53	3.65E-05	5.21E-10	1.64E-07	2.21E-07	3.69E-05	1.73E-05	2.30E-04	1.23E-05	8.11E-06	2.67E-04	1.65E-05	4.31E-10	1.64E-07	2.21E-07	1.69E-05
5384	477700	3849859.7	3.99E-05	6.71E-10	1.73E-07	2.32E-07	4.03E-05	1.89E-05	2.95E-04	1.30E-05	8.49E-06	3.36E-04	1.80E-05	5.54E-10	1.73E-07	2.32E-07	1.84E-05
5385	477743.16	3849856.38	3.96E-05	6.65E-10	1.74E-07	2.32E-07	4.00E-05	1.88E-05	2.93E-04	1.31E-05	8.49E-06	3.33E-04	1.79E-05	5.49E-10	1.74E-07	2.32E-07	1.83E-05
5386	478477.35	3850216.33	4.20E-05	6.97E-10	1.82E-07	2.48E-07	4.24E-05	2.00E-05	3.07E-04	1.37E-05	9.09E-06	3.50E-04	1.90E-05	5.76E-10	1.82E-07	2.48E-07	1.94E-05
5387	478485.8	3850201.6	4.17E-05	6.95E-10	1.82E-07	2.48E-07	4.22E-05	1.98E-05	3.06E-04	1.37E-05	9.09E-06	3.48E-04	1.89E-05	5.74E-10	1.82E-07	2.48E-07	1.93E-05
5388	479113.21	3850501.53	4.77E-05	7.65E-10	1.89E-07	2.63E-07	4.82E-05	2.27E-05	3.37E-04	1.42E-05	9.63E-06	3.84E-04	2.16E-05	6.32E-10	1.89E-07	2.63E-07	2.20E-05
5389	479108.11	3850382.28	4.74E-05	7.32E-10	1.86E-07	2.60E-07	4.79E-05	2.26E-05	3.22E-04	1.40E-05	9.54E-06	3.68E-04	2.15E-05	6.04E-10	1.86E-07	2.60E-07	2.19E-05
5390	479689.85	3850674.28	5.61E-05	7.24E-10	1.91E-07	2.77E-07	5.66E-05	2.67E-05	3.19E-04	1.44E-05	1.02E-05	3.70E-04	2.54E-05	5.98E-10	1.91E-07	2.77E-07	2.58E-05
5391	479952.42	3850774.28	6.41E-05	7.27E-10	1.93E-07	2.83E-07	6.45E-05	3.05E-05	3.20E-04	1.45E-05	1.04E-05	3.76E-04	2.90E-05	6.01E-10	1.93E-07	2.83E-07	2.95E-05
5392	479911.32	3850884.85	6.10E-05	7.77E-10	1.96E-07	2.86E-07	6.15E-05	2.90E-05	3.42E-04	1.47E-05	1.05E-05	3.96E-04	2.76E-05	6.42E-10	1.96E-07	2.86E-07	2.81E-05
5393	480500.92	3851178.12	7.91E-05	8.50E-10	2.03E-07	3.03E-07	7.96E-05	3.76E-05	3.74E-04	1.52E-05	1.11E-05	4.38E-04	3.58E-05	7.02E-10	2.03E-07	3.03E-07	3.63E-05
5394	480738.01	3851289.27	8.80E-05	8.78E-10	2.06E-07	3.13E-07	8.86E-05	4.19E-05	3.87E-04	1.54E-05	1.15E-05	4.55E-04	3.98E-05	7.25E-10	2.06E-07	3.13E-07	4.04E-05
5395	481055.42	3851443.58	1.00E-04	9.01E-10	2.10E-07	3.29E-07	1.01E-04	4.76E-05	3.97E-04	1.58E-05	1.21E-05	4.72E-04	4.53E-05	7.44E-10	2.10E-07	3.29E-07	4.58E-05
5396	481110.22	3851443.15	1.02E-04	8.88E-10	2.10E-07	3.31E-07	1.03E-04	4.86E-05	3.91E-04	1.58E-05	1.21E-05	4.68E-04	4.62E-05	7.34E-10	2.10E-07	3.31E-07	4.68E-05
5397	481111.1	3851417.45	1.02E-04	8.75E-10	2.09E-07	3.30E-07	1.03E-04	4.86E-05	3.85E-04	1.57E-05	1.21E-05	4.62E-04	4.62E-05	7.23E-10	2.09E-07	3.30E-07	4.68E-05
5398	482248.44	3852605.09	1.59E-04	1.26E-09	2.53E-07	4.65E-07	1.60E-04	7.57E-05	5.53E-04	1.89E-05	1.70E-05	6.65E-04	7.21E-05	1.04E-09	2.53E-07	4.65E-07	7.28E-05
5399	482273.34	3852632.31	1.61E-04	1.27E-09	2.53E-07	4.70E-07	1.62E-04	7.67E-05	5.58E-04	1.90E-05	1.72E-05	6.71E-04	7.30E-05	1.05E-09	2.53E-07	4.70E-07	7.37E-05
5400	482665.46	3853038.72	1.97E-04	1.50E-09	2.72E-07	5.67E-07	1.98E-04	9.36E-05	6.62E-04	2.04E-05	2.08E-05	7.97E-04	8.91E-05	1.24E-09	2.72E-07	5.67E-07	8.99E-05
5401	483077.95	3853844.31	2.56E-04	2.00E-09	3.14E-07	8.50E-07	2.57E-04	1.22E-04	8.81E-04	2.35E-05	3.12E-05	1.06E-03	1.16E-04	1.65E-09	3.14E-07	8.50E-07	1.17E-04
5402	483121.38	3853909.38	2.69E-04	2.01E-09	3.17E-07	8.89E-07	2.70E-04	1.28E-04	8.85E-04	2.38E-05	3.26E-05	1.07E-03	1.22E-04	1.66E-09	3.17E-07	8.89E-07	1.23E-04
5403	483492.64	3853911.49	3.63E-04	1.74E-09	3.18E-07	9.19E-07	3.65E-04	1.73E-04	7.64E-04	2.39E-05	3.37E-05	9.94E-04	1.64E-04	1.43E-09	3.18E-07	9.19E-07	1.66E-04
5404	483498.29	3854204.73	3.83E-04	2.05E-09	3.38E-07	1.26E-06	3.85E-04	1.82E-04	9.03E-04	2.53E-05	4.61E-05	1.16E-03	1.73E-04	1.69E-09	3.38E-07	1.26E-06	1.75E-04
5405	484132.44	3854662.55	6.00E-04	2.82E-09	3.78E-07	4.12E-06	6.05E-04	2.85E-04	1.24E-03	2.83E-05	1.51E-04	1.71E-03	2.71E-04	2.33E-09	3.78E-07	4.12E-06	2.76E-04
5406	484627.62	3854876.13	1.11E-03	4.58E-09	4.06E-07	3.20E-06	1.11E-03	5.26E-04	2.02E-03	3.04E-05	1.17E-04	2.69E-03	5.01E-04	3.78E-09	4.06E-07	3.20E-06	5.04E-04
5407	484756.14	3854949.04	1.48E-03	5.23E-09	4.17E-07	2.91E-06	1.48E-03	7.01E-04	2.30E-03	3.13E-05	1.07E-04	3.14E-03	6.67E-04	4.32E-09	4.17E-07	2.91E-06	6.71E-04
5408	486697.51	3856599.17	1.94E-02	1.81E-08	9.68E-07	4.72E-06	1.94E-02	9.24E-03	7.95E-03	7.26E-05	1.73E-04	1.74E-02	8.79E-03	1.49E-08	9.68E-07	4.72E-06	8.79E-03
5409	487105.31	3856962.27	2.07E-02	2.08E-08	1.41E-06	2.89E-06	2.07E-02	9.86E-03	9.15E-03	1.06E-04	1.06E-04	1.92E-02	9.38E-03	1.72E-08	1.41E-06	2.89E-06	9.38E-03
5410	487157.57	3856901.7	1.58E-02	1.99E-08	1.40E-06	2.98E-06	1.58E-02	7.53E-03	8.75E-03	1.05E-04	1.09E-04	1.65E-02	7.17E-03	1.64E-08	1.40E-06	2.98E-06	7.17E-03
5411	487173.5	3856853.74	1.41E-02	1.93E-08	1.38E-06	3.08E-06	1.41E-02	6.70E-03	8.51E-03	1.03E-04	1.13E-04	1.54E-02	6.38E-03	1.60E-08	1.38E-06	3.08E-06	6.38E-03
5412	487564.41	3856860.83	8.19E-03	1.76E-08	1.94E-06	2.78E-06	8.20E-03	3.90E-03	7.76E-03	1.46E-04	1.02E-04	1.19E-02	3.71E-03	1.46E-08	1.94E-06	2.78E-06	3.71E-03
5413	487563.31	3856931.58	8.24E-03	1.82E-08	2.02E-06	2.67E-06	8.24E-03	3.92E-03	8.04E-03	1.52E-04	9.80E-05	1.22E-02	3.73E-03	1.51E-08	2.02E-06	2.67E-06	3.73E-03
5414	487782.7	3856926.85	6.33E-03	1.74E-08	2.51E-06	2.59E-06	6.34E-03	3.01E-03	7.66E-03	1.88E-04	9.48E-05	1.10E-02	2.86E-03	1.44E-08	2.51E-06	2.59E-06	2.87E-03
5415	487782.39	3856757.07	6.36E-03	1.60E-08	2.19E-06	2.80E-06	6.36E-03	3.02E-03	7.06E-03	1.64E-04	1.03E-04	1.04E-02	2.88E-03	1.32E-08	2.19E-06	2.80E-06	2.88E-03
5416	487917.26	3856752.41	5.65E-03	1.57E-08	2.07E-06	2.72E-06	5.66E-03	2.69E-03	6.92E-03	1.55E-04	9.98E-05	9.86E-03	2.56E-03	1.30E-08	2.07E-06	2.72E-06	2.56E-03
5417	487919.57	3856953.35	5.42E-03	1.72E-08	2.57E-06	2.51E-06	5.42E-03	2.58E-03	7.57E-03	1.93E-04	9.22E-05	1.04E-02	2.45E-03	1.42E-08	2.57E-06	2.51E-06	2.46E-03
5418	487932.76	3857000.32	5.17E-03	1.74E-08	2.71E-06	2.48E-06	5.17E-03	2.46E-03	7.64E-03	2.03E-04	9.08E-05	1.04E-02	2.34E-03	1.43E-08	2.71E-06	2.48E-06	2.34E-03
5419	487960.5	3857044.75	4.82E-03	1.75E-08	2.82E-06	2.44E-06	4.83E-03	2.29E-03	7.70E-03	2.12E-04	8.95E-05	1.03E-02	2.18E-03	1.44E-08	2.82E-06	2.44E-06	2.19E-03
5420	488016.54	3857089.54	4.36E-03	1.75E-08	2.88E-06	2.41E-06	4.37E-03	2.07E-03	7.72E-03	2.16E-04	8.83E-05	1.01E-02	1.97E-03	1.45E-08	2.88E-06	2.41E-06	1.98E-03
5421	488114.39	3857165.47	3.66E-03	1.77E-08	3.07E-06	2.36E-06	3.66E-03	1.74E-03	7.79E-03	2.31E-04	8.67E-05	9.85E-03	1.65E-03	1.46E-08	3.07E-06	2.36E-06	1.66E-03
5422	488171.49	3857234.24	3.19E-03	1.80E-08	3.48E-06	2.37E-06	3.19E-03	1.51E-03	7.94E-03	2.61E-04	8.67E-05	9.81E-03	1.44E-03	1.49E-08	3.48E-06	2.37E-06	1.45E-03
5423	488193.16	3857297.8	2.84E-03	1.86E-08	3.96E-06	2.40E-06	2.85E-03	1.35E-03	8.18E-03	2.97E-04	8.81E-05	9.91E-03	1.29E-03	1.53E-08	3.96E-06	2.40E-06	1.29E-03
5424	488189.27	3857649.94	1.53E-03	2.23E-08	1.03E-05	3.05E-06	1.55E-03	7.29E-04	9.82E-03	7.75E-04	1.12E-04	1.14E-02	6.94E-04	1.84E-08	1.03E-05	3.05E-06	7.07E-04
5425	488127.43	3857732.32	1.33E-03	2.35E-08	1.38E-05	3.32E-06	1.35E-03	6.34E-04	1.04E-02	1.03E-03	1.22E-04	1.22E-02	6.03E-04	1.94E-08	1.38E-05	3.32E-06	6.20E-04

5426	488149.93	3857752.94	1.29E-03	2.37E-08	1.53E-05	3.39E-06	1.31E-03	6.13E-04	1.04E-02	1.15E-03	1.24E-04	1.23E-02	5.83E-04	1.96E-08	1.53E-05	3.39E-06	6.02E-04
5427	488144.76	3857758.71	1.28E-03	2.38E-08	1.56E-05	3.41E-06	1.30E-03	6.07E-04	1.05E-02	1.17E-03	1.25E-04	1.24E-02	5.77E-04	1.96E-08	1.56E-05	3.41E-06	5.97E-04
5428	488335.58	3857932.55	9.71E-04	2.64E-08	3.47E-04	4.14E-06	1.32E-03	4.62E-04	1.16E-02	2.60E-02	1.52E-04	3.83E-02	4.39E-04	2.18E-08	3.47E-04	4.14E-06	7.91E-04
5429	488372.29	3857943.79	9.57E-04	2.65E-08	3.40E-04	4.18E-06	1.30E-03	4.55E-04	1.17E-02	2.55E-02	1.53E-04	3.77E-02	4.33E-04	2.19E-08	3.40E-04	4.18E-06	7.77E-04
5430	488828.64	3857936.4	9.84E-04	2.38E-08	1.05E-04	3.87E-06	1.09E-03	4.68E-04	1.05E-02	7.87E-03	1.42E-04	1.90E-02	4.45E-04	1.97E-08	1.05E-04	3.87E-06	5.54E-04
5431	488829.08	3857959.58	9.57E-04	2.42E-08	1.01E-04	3.95E-06	1.06E-03	4.55E-04	1.06E-02	7.61E-03	1.45E-04	1.88E-02	4.33E-04	1.99E-08	1.01E-04	3.95E-06	5.38E-04
5432	488351.61	3857964.55	9.29E-04	2.70E-08	3.72E-04	4.31E-06	1.30E-03	4.41E-04	1.19E-02	2.79E-02	1.58E-04	4.04E-02	4.20E-04	2.23E-08	3.72E-04	4.31E-06	7.96E-04
5433	488316.87	3857947.65	9.51E-04	2.68E-08	3.83E-04	4.24E-06	1.34E-03	4.52E-04	1.18E-02	2.87E-02	1.55E-04	4.12E-02	4.30E-04	2.22E-08	3.83E-04	4.24E-06	8.17E-04
5434	488129.1	3857775.77	1.24E-03	2.41E-08	1.66E-05	3.48E-06	1.26E-03	5.90E-04	1.06E-02	1.24E-03	1.28E-04	1.26E-02	5.61E-04	1.99E-08	1.66E-05	3.48E-06	5.81E-04
5435	488062.53	3857846.13	1.11E-03	2.56E-08	2.15E-05	3.81E-06	1.13E-03	5.28E-04	1.13E-02	1.61E-03	1.40E-04	1.36E-02	5.02E-04	2.12E-08	2.15E-05	3.81E-06	5.27E-04
5436	488330.41	3858091.34	8.01E-04	2.99E-08	1.55E-04	5.14E-06	9.60E-04	3.81E-04	1.32E-02	1.16E-02	1.88E-04	2.53E-02	3.62E-04	2.47E-08	1.55E-04	5.14E-06	5.22E-04
5437	488470.87	3858174.45	7.24E-04	3.11E-08	6.23E-05	5.44E-06	7.92E-04	3.44E-04	1.37E-02	4.67E-03	2.00E-04	1.89E-02	3.28E-04	2.57E-08	6.23E-05	5.44E-06	3.95E-04
5438	488568.9	3858262.31	6.54E-04	3.31E-08	3.03E-05	5.70E-06	6.91E-04	3.11E-04	1.46E-02	2.27E-03	2.09E-04	1.74E-02	2.96E-04	2.74E-08	3.03E-05	5.70E-06	3.32E-04
5439	488964.27	3858025.71	8.86E-04	2.45E-08	6.73E-05	4.04E-06	9.57E-04	4.21E-04	1.08E-02	5.05E-03	1.48E-04	1.64E-02	4.01E-04	2.02E-08	6.73E-05	4.04E-06	4.72E-04
5440	489147.25	3857956.64	9.57E-04	2.23E-08	5.89E-05	3.69E-06	1.02E-03	4.55E-04	9.81E-03	4.42E-03	1.35E-04	1.48E-02	4.33E-04	1.84E-08	5.89E-05	3.69E-06	4.96E-04
5441	489343.52	3857932.45	9.71E-04	2.08E-08	4.70E-05	3.48E-06	1.02E-03	4.61E-04	9.16E-03	3.52E-03	1.28E-04	1.33E-02	4.39E-04	1.72E-08	4.70E-05	3.48E-06	4.90E-04
5442	489866.19	3857923.19	9.20E-04	1.84E-08	2.89E-05	3.25E-06	9.52E-04	4.37E-04	8.09E-03	2.17E-03	1.19E-04	1.08E-02	4.16E-04	1.52E-08	2.89E-05	3.25E-06	4.48E-04
5443	489955.65	3857902.27	9.24E-04	1.77E-08	2.76E-05	3.20E-06	9.55E-04	4.39E-04	7.80E-03	2.07E-03	1.17E-04	1.04E-02	4.18E-04	1.46E-08	2.76E-05	3.20E-06	4.49E-04
5444	490079.44	3857847.9	9.42E-04	1.70E-08	2.63E-05	3.09E-06	9.71E-04	4.48E-04	7.49E-03	1.98E-03	1.13E-04	1.00E-02	4.26E-04	1.40E-08	2.63E-05	3.09E-06	4.56E-04
5445	490108.49	3857934.13	8.79E-04	1.77E-08	2.42E-05	3.23E-06	9.06E-04	4.18E-04	7.77E-03	1.82E-03	1.18E-04	1.01E-02	3.98E-04	1.46E-08	2.42E-05	3.23E-06	4.25E-04
5446	489884.48	3858014.17	8.53E-04	1.93E-08	2.56E-05	3.41E-06	8.82E-04	4.06E-04	8.51E-03	1.92E-03	1.25E-04	1.10E-02	3.86E-04	1.60E-08	2.56E-05	3.41E-06	4.15E-04
5447	489326.56	3858025.86	8.87E-04	2.22E-08	4.12E-05	3.69E-06	9.32E-04	4.22E-04	9.76E-03	3.09E-03	1.35E-04	1.34E-02	4.01E-04	1.83E-08	4.12E-05	3.69E-06	4.46E-04
5448	489130.38	3858056.71	8.63E-04	2.37E-08	4.83E-05	3.94E-06	9.16E-04	4.10E-04	1.04E-02	3.62E-03	1.45E-04	1.46E-02	3.91E-04	1.96E-08	4.83E-05	3.94E-06	4.43E-04
5449	488936.49	3858143.93	7.68E-04	2.67E-08	4.51E-05	4.43E-06	8.17E-04	3.65E-04	1.18E-02	3.38E-03	1.62E-04	1.57E-02	3.47E-04	2.20E-08	4.51E-05	4.43E-06	3.97E-04
5450	488638.08	3858327.45	6.16E-04	3.41E-08	2.00E-05	5.83E-06	6.42E-04	2.93E-04	1.50E-02	1.50E-03	2.14E-04	1.70E-02	2.79E-04	2.81E-08	2.00E-05	5.83E-06	3.05E-04
5451	488663.79	3858349.57	6.04E-04	3.43E-08	1.77E-05	5.86E-06	6.28E-04	2.87E-04	1.51E-02	1.33E-03	2.15E-04	1.69E-02	2.73E-04	2.83E-08	1.77E-05	5.86E-06	2.97E-04
5452	488694.56	3858349.5	6.03E-04	3.39E-08	1.82E-05	5.76E-06	6.27E-04	2.87E-04	1.49E-02	1.37E-03	2.11E-04	1.68E-02	2.73E-04	2.80E-08	1.82E-05	5.76E-06	2.97E-04
5453	488694.35	3858336.75	6.10E-04	3.35E-08	1.97E-05	5.70E-06	6.35E-04	2.90E-04	1.48E-02	1.48E-03	2.09E-04	1.67E-02	2.76E-04	2.77E-08	1.97E-05	5.70E-06	3.01E-04
5454	488712.81	3858336.38	6.10E-04	3.33E-08	2.00E-05	5.64E-06	6.35E-04	2.90E-04	1.47E-02	1.50E-03	2.07E-04	1.67E-02	2.76E-04	2.75E-08	2.00E-05	5.64E-06	3.01E-04
5455	488713.23	3858367.46	5.94E-04	3.41E-08	1.66E-05	5.79E-06	6.16E-04	2.82E-04	1.50E-02	1.24E-03	2.12E-04	1.68E-02	2.69E-04	2.82E-08	1.66E-05	5.79E-06	2.91E-04
5456	488704.63	3858384.05	5.86E-04	3.47E-08	1.48E-05	5.90E-06	6.07E-04	2.79E-04	1.53E-02	1.11E-03	2.16E-04	1.69E-02	2.65E-04	2.87E-08	1.48E-05	5.90E-06	2.86E-04
5457	488604.15	3858488.29	5.52E-04	3.98E-08	6.64E-06	6.77E-06	5.66E-04	2.63E-04	1.75E-02	4.98E-04	2.48E-04	1.85E-02	2.50E-04	3.29E-08	6.64E-06	6.77E-06	2.63E-04
5458	488605.66	3858550.47	5.30E-04	4.25E-08	4.92E-06	6.98E-06	5.42E-04	2.52E-04	1.87E-02	3.69E-04	2.56E-04	1.96E-02	2.40E-04	3.51E-08	4.92E-06	6.98E-06	2.52E-04
5459	488692.68	3858548.71	5.24E-04	4.11E-08	5.73E-06	6.61E-06	5.37E-04	2.49E-04	1.81E-02	4.29E-04	2.42E-04	1.90E-02	2.37E-04	3.39E-08	5.73E-06	6.61E-06	2.50E-04
5460	488759.93	3858461.81	5.51E-04	3.64E-08	1.00E-05	6.07E-06	5.67E-04	2.62E-04	1.60E-02	7.52E-04	2.23E-04	1.73E-02	2.49E-04	3.01E-08	1.00E-05	6.07E-06	2.65E-04
5461	488816.57	3858541.79	5.19E-04	3.90E-08	7.15E-06	6.17E-06	5.32E-04	2.47E-04	1.72E-02	5.36E-04	2.26E-04	1.82E-02	2.35E-04	3.22E-08	7.15E-06	6.17E-06	2.48E-04
5462	488944.63	3858656.77	4.76E-04	4.42E-08	5.12E-06	6.25E-06	4.88E-04	2.26E-04	1.95E-02	3.84E-04	2.29E-04	2.03E-02	2.15E-04	3.65E-08	5.12E-06	6.25E-06	2.27E-04
5463	489134.91	3858830.7	4.23E-04	5.51E-08	3.53E-06	6.97E-06	4.33E-04	2.01E-04	2.43E-02	2.65E-04	2.56E-04	2.50E-02	1.91E-04	4.55E-08	3.53E-06	6.97E-06	2.02E-04
5464	489193.99	3858886.05	4.08E-04	5.80E-08	3.20E-06	7.37E-06	4.18E-04	1.94E-04	2.56E-02	2.40E-04	2.70E-04	2.63E-02	1.84E-04	4.79E-08	3.20E-06	7.37E-06	1.95E-04
5465	489295.2	3858954.34	3.89E-04	5.90E-08	2.94E-06	7.75E-06	4.00E-04	1.85E-04	2.60E-02	2.20E-04	2.84E-04	2.67E-02	1.76E-04	4.88E-08	2.94E-06	7.75E-06	1.87E-04
5466	489295.64	3858992.74	3.82E-04	6.17E-08	2.70E-06	8.10E-06	3.93E-04	1.82E-04	2.72E-02	2.03E-04	2.97E-04	2.78E-02	1.73E-04	5.09E-08	2.70E-06	8.10E-06	1.84E-04
5467	489183.74	3858911.72	4.03E-04	6.09E-08	2.99E-06	7.63E-06	4.14E-04	1.92E-04	2.68E-02	2.24E-04	2.80E-04	2.75E-02	1.83E-04	5.03E-08	2.99E-06	7.63E-06	1.93E-04
5468	488873.37	3858625.59	4.89E-04	4.30E-08	5.32E-06	6.27E-06	5.01E-04	2.33E-04	1.89E-02	3.99E-04	2.30E-04	1.98E-02	2.21E-04	3.55E-08	5.32E-06	6.27E-06	2.33E-04
5469	488842.84	3858658.69	4.82E-04	4.61E-08	4.49E-06	6.49E-06	4.93E-04	2.29E-04	2.03E-02	3.37E-04	2.38E-04	2.11E-02	2.18E-04	3.81E-08	4.49E-06	6.49E-06	2.29E-04
5470	488856.39	3858670.93	4.78E-04	4.69E-08	4.37E-06	6.51E-06	4.89E-04	2.27E-04	2.06E-02	3.28E-04	2.39E-04	2.14E-02	2.16E-04	3.87E-08	4.37E-06	6.51E-06	2.27E-04
5471	488805.7	3858724.5	4.67E-04	5.36E-08	3.41E-06	6.93E-06	4.77E-04	2.22E-04	2.36E-02	2.56E-04	2.54E-04	2.44E-02	2.11E-04	4.43E-08	3.41E-06	6.93E-06	2.22E-04
5472	488805.87	3858804.16	4.45E-04	6.57E-08	2.72E-06	7.47E-06	4.56E-04	2.12E-04	2.89E-02	2.04E-04	2.74E-04	2.96E-02	2.01E-04	5.43E-08	2.72E-06	7.47E-06	2.12E-04
5473	488995.78	3858936.96	4.08E-04	7.68E-08	2.39E-06	8.28E-06	4.18E-04	1.94E-04	3.38E-02	1.79E-04	3.04E-04	3.45E-02	1.84E-04	6.34E-08	2.39E-06	8.28E-06	1.95E-04
5474	489130.76	3859017.38	3.87E-04	7.42E-08	2.27E-06	8.91E-06	3.98E-04	1.84E-04	3.27E-02	1.71E-04	3.27E-04	3.34E-02	1.75E-04	6.13E-08	2.27E-06	8.91E-06	1.86E-04
5475	489130.92	3859052.24	3.80E-04	7.68E-08	2.13E-06	9.35E-06	3.92E-04	1.81E-04	3.38E-02	1.60E-04	3.43E-04	3.45E-02	1.72E-04	6.34E-08	2.13E-06	9.35E-06	1.84E-04
5476	489200.33	3859090.6	3.70E-04	7.36E-08	2.09E-06	9.56E-06	3.82E-04	1.76E-04	3.24E-02	1.57E-04	3.50E-04	3.31E-02	1.68E-04	6.08E-08	2.09E-06	9.56E-06	1.79E-04
5477	489296.07	3859143.7	3.57E-04	6.91E-08	2.04E-06	9.81E-06	3.69E-04	1.70E-04	3.04E-02	1.53E-04	3.60E-04	3.11E-02	1.62E-04	5.71E-08	2.04E-06	9.81E-06	1.73E-04
5478	489296.43	3858954.74	3.89E-04	5.90E-08	2.94E-06	7.75E-06	3.99E-04	1.85E-04	2.60E-02	2.20E-04	2.84E-04	2.67E-02	1.76E-04	4.87E-08	2.94E-06	7.75E-06	1.87E-04
5479	489410.33	3859033.19	3.69E-04	5.81E-08	2.68E-06	8.11E-06	3.80E-04	1.75E-04	2.56E-02	2.01E-04	2.97E-04	2.63E-02	1.67E-04	4.80E-08	2.68E-06	8.11E-06	1.78E-04
5480	489371.37	3859089.8	3.62E-04	6.26E-08	2.36E-06	8.83E-06	3.73E-04	1.72E-04	2.76E-02	1.77E-04	3.24E-04	2.82E-02	1.64E-04	5.17E-08	2.36E-06	8.83E-06	1.75E-04
5481	489390.52	3859102.82	3.59E-04	6.21E-08	2.33E-06	8.90E-06	3.70E-04	1.70E-04	2.73E-02	1.75E-04	3.26E-04	2.80E-02	1.62E-04	5.13E-08	2.33E-06	8.90E-06	1.73E-04
5482	489382.3	3859114.53	3.57E-04	6.29E-08	2.27E-06	9.06E-06	3.69E-04	1.70E-04	2.77E-02	1.70E-04	3.32E-04	2.84E-02	1.62E-04	5.19E-08	2.27E-06	9.06E-06	1.73E-04
5483	489363.04	3859102.45	3.60E-04	6.35E-08	2.29E-06	9.00E-06	3.72E-04	1.71E-04	2.80E-02	1.72E-04	3.30E-04	2.86E-02	1.63E-04	5.24E-08	2.29E-06	9.00E-06	1.74E-04
5484	489337.52	3859140.71	3.55E-04	6.64E-08	2.11E-06	9.58E-06	3.67E-04	1.69E-04	2.92E-02	1.58E-04	3.51E-04	2.99E-02	1.61E-04	5.49E-08	2.11E-06	9.58E-06	1.73E-04
5485	489375.14	3859164.55	3.50E-04	6.48E-08	2.08E-06	9.68E-06	3.62E-04	1.66E-04	2.85E-02	1.56E-04	3.55E-04	2.92E-02	1.58E-04	5.35E-08	2.08E-06	9.68E-06	1.70E-04
5486	489409.3	3859114.5	3.56E-04	6.15E-08	2.31E-06	8.95E-06	3.67E-04	1.69E-04	2.71E-02	1.73E-04	3.28E-04	2.77E-02	1.61E-04	5.08E-08	2.31E-06	8.95E-06	1.72E-04

5487	489434.87	3859131.81	3.52E-04	6.06E-08	2.27E-06	9.03E-06	3.63E-04	1.67E-04	2.67E-02	1.71E-04	3.31E-04	2.74E-02	1.59E-04	5.01E-08	2.27E-06	9.03E-06	1.71E-04
5488	489471.87	3859075.75	3.59E-04	5.69E-08	2.56E-06	8.31E-06	3.70E-04	1.71E-04	2.51E-02	1.92E-04	3.05E-04	2.57E-02	1.62E-04	4.70E-08	2.56E-06	8.31E-06	1.73E-04
5489	489602.62	3859164.69	3.39E-04	5.37E-08	2.34E-06	8.56E-06	3.50E-04	1.61E-04	2.36E-02	1.76E-04	3.14E-04	2.43E-02	1.53E-04	4.43E-08	2.34E-06	8.56E-06	1.64E-04
5490	489558.29	3859232.45	3.32E-04	5.65E-08	2.08E-06	9.29E-06	3.43E-04	1.58E-04	2.49E-02	1.56E-04	3.41E-04	2.55E-02	1.50E-04	4.66E-08	2.08E-06	9.29E-06	1.61E-04
5491	489620.11	3859273.56	3.23E-04	5.43E-08	2.01E-06	9.18E-06	3.34E-04	1.54E-04	2.39E-02	1.51E-04	3.37E-04	2.46E-02	1.46E-04	4.48E-08	2.01E-06	9.18E-06	1.57E-04
5492	489666.06	3859206.42	3.30E-04	5.20E-08	2.25E-06	8.54E-06	3.41E-04	1.57E-04	2.29E-02	1.69E-04	3.13E-04	2.35E-02	1.49E-04	4.29E-08	2.25E-06	8.54E-06	1.60E-04
5493	489787.9	3859285.65	3.14E-04	4.84E-08	2.11E-06	8.28E-06	3.24E-04	1.49E-04	2.13E-02	1.58E-04	3.04E-04	2.19E-02	1.42E-04	4.00E-08	2.11E-06	8.28E-06	1.52E-04
5494	489752.17	3859343.13	3.08E-04	4.96E-08	1.93E-06	8.71E-06	3.19E-04	1.47E-04	2.18E-02	1.45E-04	3.19E-04	2.25E-02	1.39E-04	4.10E-08	1.93E-06	8.71E-06	1.50E-04
5495	489814.94	3859385.33	3.00E-04	4.76E-08	1.87E-06	8.51E-06	3.11E-04	1.43E-04	2.09E-02	1.41E-04	3.12E-04	2.15E-02	1.36E-04	3.93E-08	1.87E-06	8.51E-06	1.46E-04
5496	489853.42	3859330.74	3.05E-04	4.66E-08	2.03E-06	8.10E-06	3.16E-04	1.45E-04	2.05E-02	1.52E-04	2.97E-04	2.11E-02	1.38E-04	3.85E-08	2.03E-06	8.10E-06	1.48E-04
5497	489969.5	3859401.91	2.92E-04	4.35E-08	1.92E-06	7.75E-06	3.02E-04	1.39E-04	1.91E-02	1.44E-04	2.84E-04	1.97E-02	1.32E-04	3.59E-08	1.92E-06	7.75E-06	1.42E-04
5498	490166.91	3859486.96	2.76E-04	3.93E-08	1.83E-06	7.00E-06	2.84E-04	1.31E-04	1.73E-02	1.37E-04	2.57E-04	1.78E-02	1.25E-04	3.25E-08	1.83E-06	7.00E-06	1.34E-04
5499	490128.86	3859571.46	2.67E-04	3.99E-08	1.65E-06	7.18E-06	2.76E-04	1.27E-04	1.76E-02	1.24E-04	2.63E-04	1.81E-02	1.21E-04	3.30E-08	1.65E-06	7.18E-06	1.30E-04
5500	490186.65	3859593.65	2.63E-04	3.89E-08	1.64E-06	6.89E-06	2.71E-04	1.25E-04	1.71E-02	1.23E-04	2.53E-04	1.76E-02	1.19E-04	3.21E-08	1.64E-06	6.89E-06	1.27E-04
5501	490223.74	3859517.48	2.71E-04	3.82E-08	1.79E-06	6.77E-06	2.79E-04	1.29E-04	1.68E-02	1.34E-04	2.48E-04	1.74E-02	1.22E-04	3.16E-08	1.79E-06	6.77E-06	1.31E-04
5502	490846.34	3859817.22	2.32E-04	2.88E-08	1.56E-06	4.34E-06	2.37E-04	1.10E-04	1.27E-02	1.17E-04	1.59E-04	1.31E-02	1.05E-04	2.38E-08	1.56E-06	4.34E-06	1.11E-04
5503	490925.65	3859844.59	2.29E-04	2.78E-08	1.55E-06	4.12E-06	2.34E-04	1.09E-04	1.22E-02	1.16E-04	1.51E-04	1.26E-02	1.03E-04	2.30E-08	1.55E-06	4.12E-06	1.09E-04
5504	491159.29	3859896.28	2.22E-04	2.56E-08	1.53E-06	3.65E-06	2.27E-04	1.06E-04	1.13E-02	1.14E-04	1.34E-04	1.16E-02	1.00E-04	2.11E-08	1.53E-06	3.65E-06	1.06E-04
5505	491370.69	3859960.89	2.14E-04	2.37E-08	1.46E-06	3.28E-06	2.19E-04	1.02E-04	1.04E-02	1.09E-04	1.20E-04	1.08E-02	9.68E-05	1.96E-08	1.46E-06	3.28E-06	1.02E-04
5506	491330.28	3860063.17	2.01E-04	2.35E-08	1.32E-06	3.14E-06	2.06E-04	9.58E-05	1.04E-02	9.87E-05	1.15E-04	1.07E-02	9.11E-05	1.94E-08	1.32E-06	3.14E-06	9.56E-05
5507	491636.45	3860180.75	1.92E-04	2.04E-08	1.26E-06	2.62E-06	1.96E-04	9.11E-05	8.96E-03	9.48E-05	9.61E-05	9.24E-03	8.67E-05	1.68E-08	1.26E-06	2.62E-06	9.06E-05
5508	491617.94	3860203.93	1.89E-04	2.03E-08	1.24E-06	2.59E-06	1.93E-04	9.00E-05	8.94E-03	9.27E-05	9.48E-05	9.22E-03	8.56E-05	1.68E-08	1.24E-06	2.59E-06	8.94E-05
5509	491805.68	3860271.59	1.84E-04	1.86E-08	1.21E-06	2.34E-06	1.88E-04	8.75E-05	8.19E-03	9.06E-05	8.57E-05	8.45E-03	8.32E-05	1.54E-08	1.21E-06	2.34E-06	8.68E-05
5510	491654.23	3860414.02	1.73E-04	1.83E-08	1.07E-06	2.11E-06	1.76E-04	8.20E-05	8.04E-03	8.01E-05	7.75E-05	8.28E-03	7.80E-05	1.51E-08	1.07E-06	2.11E-06	8.12E-05
5511	491592.62	3860510.76	1.65E-04	1.76E-08	9.91E-07	1.92E-06	1.68E-04	7.86E-05	7.75E-03	7.43E-05	7.06E-05	7.97E-03	7.48E-05	1.45E-08	9.91E-07	1.92E-06	7.77E-05
5512	491475.41	3860368.93	1.74E-04	1.97E-08	1.06E-06	2.25E-06	1.78E-04	8.29E-05	8.67E-03	7.95E-05	8.26E-05	8.91E-03	7.89E-05	1.63E-08	1.06E-06	2.25E-06	8.22E-05
5513	491445.61	3860337.28	1.77E-04	2.02E-08	1.08E-06	2.34E-06	1.80E-04	8.40E-05	8.90E-03	8.09E-05	8.58E-05	9.15E-03	7.99E-05	1.67E-08	1.08E-06	2.34E-06	8.34E-05
5514	491399.05	3860300.37	1.80E-04	2.09E-08	1.10E-06	2.46E-06	1.83E-04	8.55E-05	9.21E-03	8.25E-05	9.02E-05	9.47E-03	8.14E-05	1.73E-08	1.10E-06	2.46E-06	8.49E-05
5515	491228.84	3860235.98	1.86E-04	2.29E-08	1.13E-06	2.75E-06	1.89E-04	8.82E-05	1.01E-02	8.44E-05	1.01E-04	1.04E-02	8.40E-05	1.89E-08	1.13E-06	2.75E-06	8.79E-05
5516	491228.47	3860174.57	1.91E-04	2.35E-08	1.18E-06	2.92E-06	1.95E-04	9.06E-05	1.04E-02	8.82E-05	1.07E-04	1.06E-02	8.62E-05	1.94E-08	1.18E-06	2.92E-06	9.04E-05
5517	491145.77	3860112.55	1.97E-04	2.48E-08	1.22E-06	3.20E-06	2.01E-04	9.36E-05	1.09E-02	9.17E-05	1.17E-04	1.12E-02	8.91E-05	2.05E-08	1.22E-06	3.20E-06	9.35E-05
5518	490844.41	3859966.22	2.15E-04	2.89E-08	1.34E-06	3.99E-06	2.20E-04	1.02E-04	1.27E-02	1.00E-04	1.46E-04	1.31E-02	9.73E-05	2.38E-08	1.34E-06	3.99E-06	1.03E-04
5519	490845.55	3859928.15	2.19E-04	2.90E-08	1.38E-06	4.08E-06	2.24E-04	1.04E-04	1.28E-02	1.04E-04	1.50E-04	1.31E-02	9.90E-05	2.39E-08	1.38E-06	4.08E-06	1.04E-04
5520	490046.91	3859625.6	2.65E-04	4.13E-08	1.55E-06	7.52E-06	2.74E-04	1.26E-04	1.82E-02	1.16E-04	2.76E-04	1.87E-02	1.20E-04	3.41E-08	1.55E-06	7.52E-06	1.29E-04
5521	489970.48	3859589.4	2.72E-04	4.29E-08	1.58E-06	8.00E-06	2.82E-04	1.29E-04	1.89E-02	1.18E-04	2.93E-04	1.94E-02	1.23E-04	3.54E-08	1.58E-06	8.00E-06	1.33E-04
5522	489865.89	3859529.06	2.83E-04	4.54E-08	1.63E-06	8.63E-06	2.93E-04	1.34E-04	2.00E-02	1.22E-04	3.16E-04	2.06E-02	1.28E-04	3.75E-08	1.63E-06	8.63E-06	1.38E-04
5523	489826.89	3859531.74	2.84E-04	4.63E-08	1.61E-06	8.89E-06	2.95E-04	1.35E-04	2.04E-02	1.21E-04	3.26E-04	2.10E-02	1.29E-04	3.83E-08	1.61E-06	8.89E-06	1.39E-04
5524	489410.47	3859303.06	3.28E-04	6.44E-08	1.73E-06	1.08E-05	3.41E-04	1.56E-04	2.84E-02	1.29E-04	3.97E-04	2.91E-02	1.48E-04	5.32E-08	1.73E-06	1.08E-05	1.61E-04
5525	489407.15	3859286.09	3.31E-04	6.46E-08	1.76E-06	1.07E-05	3.43E-04	1.57E-04	2.85E-02	1.32E-04	3.93E-04	2.91E-02	1.50E-04	5.34E-08	1.76E-06	1.07E-05	1.62E-04
5526	488806.07	3858963.62	4.02E-04	1.11E-07	1.96E-06	9.05E-06	4.13E-04	1.91E-04	4.91E-02	1.47E-04	3.32E-04	4.97E-02	1.82E-04	9.20E-08	1.96E-06	9.05E-06	1.93E-04
5527	488817.64	3859546.3	2.73E-04	1.30E-07	9.47E-07	2.46E-05	2.99E-04	1.30E-04	5.71E-02	7.11E-05	9.03E-04	5.82E-02	1.24E-04	1.07E-07	9.47E-07	2.46E-05	1.49E-04
5528	489187.25	3859549.52	2.82E-04	7.15E-08	1.23E-06	1.68E-05	3.00E-04	1.34E-04	3.15E-02	9.22E-05	6.15E-04	3.23E-02	1.27E-04	5.90E-08	1.23E-06	1.68E-05	1.46E-04
5529	489187.66	3859523.74	2.87E-04	7.32E-08	1.25E-06	1.63E-05	3.04E-04	1.36E-04	3.22E-02	9.41E-05	5.99E-04	3.30E-02	1.30E-04	6.04E-08	1.25E-06	1.63E-05	1.47E-04
5530	489232.59	3859522.85	2.89E-04	6.99E-08	1.28E-06	1.55E-05	3.05E-04	1.37E-04	3.08E-02	9.59E-05	5.69E-04	3.16E-02	1.31E-04	5.78E-08	1.28E-06	1.55E-05	1.47E-04
5531	489224.98	3859759.91	2.49E-04	6.11E-08	1.06E-06	1.63E-05	2.66E-04	1.18E-04	2.69E-02	7.95E-05	5.98E-04	2.77E-02	1.12E-04	5.04E-08	1.06E-06	1.63E-05	1.30E-04
5532	488401.39	3859763.34	2.35E-04	1.71E-07	7.71E-07	4.76E-05	2.83E-04	1.12E-04	7.54E-02	5.79E-05	1.74E-03	7.73E-02	1.06E-04	1.41E-07	7.71E-07	4.76E-05	1.55E-04
5533	488405.51	3859966.16	2.11E-04	1.75E-07	7.16E-07	1.37E-05	2.26E-04	1.00E-04	7.72E-02	5.37E-05	5.04E-04	7.78E-02	9.56E-05	1.45E-07	7.16E-07	1.37E-05	1.10E-04
5534	489202.85	3859956.57	2.24E-04	6.56E-08	8.84E-07	1.44E-05	2.39E-04	1.06E-04	2.89E-02	6.63E-05	5.27E-04	2.96E-02	1.01E-04	5.42E-08	8.84E-07	1.44E-05	1.17E-04
5535	489191.9	3860676.74	1.61E-04	4.67E-08	5.20E-07	3.19E-06	1.64E-04	7.64E-05	2.06E-02	3.90E-05	1.17E-04	2.08E-02	7.27E-05	3.86E-08	5.20E-07	3.19E-06	7.65E-05
5536	488392.82	3860687.88	1.52E-04	4.53E-08	6.22E-07	3.05E-06	1.56E-04	7.24E-05	1.99E-02	4.66E-05	1.12E-04	2.02E-02	6.89E-05	3.74E-08	6.22E-07	3.05E-06	7.26E-05
5537	488392.82	3860760.27	1.49E-04	3.34E-08	6.17E-07	2.47E-06	1.52E-04	7.07E-05	1.47E-02	4.63E-05	9.07E-05	1.49E-02	6.72E-05	2.75E-08	6.17E-07	2.47E-06	7.04E-05
5538	487549.05	3860777.45	1.43E-04	1.88E-08	5.81E-07	1.52E-06	1.45E-04	6.80E-05	8.26E-03	4.36E-05	5.58E-05	8.43E-03	6.47E-05	1.55E-08	5.81E-07	1.52E-06	6.68E-05
5539	487554.62	3859571.83	2.44E-04	7.59E-08	7.90E-07	5.69E-06	2.51E-04	1.16E-04	3.34E-02	5.93E-05	2.09E-04	3.38E-02	1.11E-04	6.27E-08	7.90E-07	5.69E-06	1.17E-04
5540	485949.46	3859558.54	2.42E-04	1.75E-08	1.23E-06	1.51E-06	2.45E-04	1.15E-04	7.70E-03	9.21E-05	5.53E-05	7.97E-03	1.09E-04	1.45E-08	1.23E-06	1.51E-06	1.12E-04
5541	485947.55	3857943.61	7.62E-04	3.99E-08	1.78E-06	2.07E-06	7.66E-04	3.62E-04	1.76E-02	1.33E-04	7.57E-05	1.82E-02	3.45E-04	3.30E-08	1.78E-06	2.07E-06	3.48E-04
5542	484738.38	3857940.21	5.79E-04	1.83E-08	1.16E-06	1.36E-06	5.82E-04	2.75E-04	8.04E-03	8.67E-05	4.97E-05	8.45E-03	2.62E-04	1.51E-08	1.16E-06	1.36E-06	2.65E-04
5543	484737.06	3857535.68	7.46E-04	3.37E-08	1.16E-06	1.69E-06	7.49E-04	3.55E-04	1.49E-02	8.73E-05	6.20E-05	1.54E-02	3.37E-04	2.79E-08	1.16E-06	1.69E-06	3.40E-04
5544	483730.2	3857530.13	5.21E-04	1.77E-08	8.85E-07	1.61E-06	5.23E-04	2.48E-04	7.78E-03	6.64E-05	5.92E-05	8.16E-03	2.36E-04	1.46E-08	8.85E-07	1.61E-06	2.38E-04
5545	483727.27	3857130.01	6.14E-04	3.35E-08	9.82E-07	2.22E-06	6.18E-04	2.92E-04	1.48E-02	7.37E-05	8.15E-05	1.52E-02	2.78E-04	2.77E-08	9.82E-07	2.22E-06	2.81E-04
5546	483124.42	3857123.45	4.72E-04	1.66E-08	8.52E-07	1.62E-06	4.74E-04	2.24E-04	7.30E-03	6.39E-05	5.92E-05	7.65E-03	2.13E-04	1.37E-08	8.52E-07	1.62E-06	2.16E-04
5547	483111.13	3855921.03	6.37E-04	3.50E-08	7.19E-07	4.02E-06	6.41E-04	3.03E-04	1.54E-02	5.39E-05	1.48E-04	1.59E-02	2.88E-04	2.89E-08	7.19E-07	4.02E-06	2.93E-04

5548	482701.73	3855918.24	4.99E-04	1.77E-08	7.54E-07	2.48E-06	5.02E-04	2.37E-04	7.80E-03	5.66E-05	9.08E-05	8.18E-03	2.26E-04	1.46E-08	7.54E-07	2.48E-06	2.29E-04
5549	482668.02	3853521.78	1.87E-04	1.95E-09	2.99E-07	6.97E-07	1.88E-04	8.87E-05	8.60E-04	2.24E-05	2.55E-05	9.97E-04	8.44E-05	1.61E-09	2.99E-07	6.97E-07	8.54E-05
5550	482579.91	3853219.19	1.79E-04	1.67E-09	2.82E-07	6.00E-07	1.80E-04	8.52E-05	7.37E-04	2.12E-05	2.20E-05	8.65E-04	8.10E-05	1.38E-09	2.82E-07	6.00E-07	8.19E-05
5551	482434.06	3852961.94	1.71E-04	1.47E-09	2.69E-07	5.32E-07	1.72E-04	8.15E-05	6.47E-04	2.02E-05	1.95E-05	7.68E-04	7.76E-05	1.21E-09	2.69E-07	5.32E-07	7.84E-05
5552	482332.11	3852832.85	1.64E-04	1.39E-09	2.63E-07	5.00E-07	1.65E-04	7.79E-05	6.10E-04	1.97E-05	1.83E-05	7.26E-04	7.41E-05	1.14E-09	2.63E-07	5.00E-07	7.48E-05
5553	481334.99	3851818.96	1.09E-04	1.02E-09	2.23E-07	3.56E-07	1.09E-04	5.17E-05	4.49E-04	1.67E-05	1.31E-05	5.30E-04	4.92E-05	8.42E-10	2.23E-07	3.56E-07	4.98E-05
5554	481127.62	3851646.36	1.00E-04	9.88E-10	2.17E-07	3.39E-07	1.01E-04	4.77E-05	4.35E-04	1.63E-05	1.24E-05	5.11E-04	4.54E-05	8.16E-10	2.17E-07	3.39E-07	4.60E-05
5555	481025.04	3851591.73	9.59E-05	9.79E-10	2.15E-07	3.33E-07	9.65E-05	4.56E-05	4.31E-04	1.61E-05	1.22E-05	5.05E-04	4.34E-05	8.09E-10	2.15E-07	3.33E-07	4.40E-05
5556	480513.6	3851335.76	7.55E-05	9.18E-10	2.08E-07	3.08E-07	7.60E-05	3.59E-05	4.04E-04	1.56E-05	1.13E-05	4.67E-04	3.41E-05	7.58E-10	2.08E-07	3.08E-07	3.47E-05
5557	480523.56	3851317.66	7.64E-05	9.11E-10	2.08E-07	3.08E-07	7.69E-05	3.63E-05	4.01E-04	1.56E-05	1.13E-05	4.64E-04	3.46E-05	7.52E-10	2.08E-07	3.08E-07	3.51E-05
5558	476921.56	3849569.11	3.78E-05	5.44E-10	1.64E-07	2.25E-07	3.82E-05	1.80E-05	2.39E-04	1.23E-05	8.24E-06	2.78E-04	1.71E-05	4.49E-10	1.64E-07	2.25E-07	1.75E-05
5559	476521.19	3849373.96	3.60E-05	4.66E-10	1.60E-07	2.20E-07	3.64E-05	1.71E-05	2.05E-04	1.20E-05	8.08E-06	2.43E-04	1.63E-05	3.85E-10	1.60E-07	2.20E-07	1.67E-05
5560	476391.45	3849333.38	3.57E-05	4.48E-10	1.58E-07	2.20E-07	3.61E-05	1.70E-05	1.97E-04	1.19E-05	8.05E-06	2.34E-04	1.61E-05	3.70E-10	1.58E-07	2.20E-07	1.65E-05
5561	476219.41	3849304.29	3.55E-05	4.24E-10	1.56E-07	2.20E-07	3.59E-05	1.69E-05	1.87E-04	1.17E-05	8.05E-06	2.23E-04	1.61E-05	3.50E-10	1.56E-07	2.20E-07	1.64E-05
5562	475679.11	3849218.47	3.46E-05	3.60E-10	1.52E-07	2.20E-07	3.50E-05	1.64E-05	1.59E-04	1.14E-05	8.05E-06	1.95E-04	1.56E-05	2.98E-10	1.52E-07	2.20E-07	1.60E-05
5563	475677.71	3849233.88	3.48E-05	3.63E-10	1.52E-07	2.20E-07	3.52E-05	1.65E-05	1.60E-04	1.14E-05	8.08E-06	1.96E-04	1.57E-05	3.00E-10	1.52E-07	2.20E-07	1.61E-05
5564	475492.74	3849204.66	3.24E-05	3.01E-10	1.51E-07	2.19E-07	3.28E-05	1.54E-05	1.33E-04	1.14E-05	8.02E-06	1.67E-04	1.47E-05	2.49E-10	1.51E-07	2.19E-07	1.50E-05
5565	475497.64	3849158.75	3.29E-05	3.18E-10	1.51E-07	2.18E-07	3.33E-05	1.57E-05	1.40E-04	1.13E-05	7.99E-06	1.75E-04	1.49E-05	2.62E-10	1.51E-07	2.18E-07	1.53E-05
5566	475391.35	3849141.94	3.36E-05	3.35E-10	1.51E-07	2.18E-07	3.40E-05	1.60E-05	1.47E-04	1.13E-05	7.99E-06	1.83E-04	1.52E-05	2.76E-10	1.51E-07	2.18E-07	1.56E-05
5567	475277	3849095.47	3.34E-05	3.38E-10	1.49E-07	2.17E-07	3.38E-05	1.59E-05	1.49E-04	1.12E-05	7.96E-06	1.84E-04	1.51E-05	2.79E-10	1.49E-07	2.17E-07	1.55E-05
5568	475183.93	3849025.66	3.28E-05	3.31E-10	1.48E-07	2.15E-07	3.32E-05	1.56E-05	1.46E-04	1.11E-05	7.89E-06	1.80E-04	1.48E-05	2.74E-10	1.48E-07	2.15E-07	1.52E-05
5569	474453.23	3848378.77	2.83E-05	2.93E-10	1.39E-07	2.01E-07	2.87E-05	1.35E-05	1.29E-04	1.05E-05	7.36E-06	1.60E-04	1.28E-05	2.42E-10	1.39E-07	2.01E-07	1.32E-05
5570	474569.63	3848399.34	2.82E-05	2.88E-10	1.40E-07	2.01E-07	2.86E-05	1.34E-05	1.27E-04	1.05E-05	7.36E-06	1.58E-04	1.28E-05	2.38E-10	1.40E-07	2.01E-07	1.31E-05
5571	474644.33	3848464.52	2.87E-05	2.94E-10	1.41E-07	2.02E-07	2.90E-05	1.36E-05	1.29E-04	1.06E-05	7.42E-06	1.61E-04	1.30E-05	2.43E-10	1.41E-07	2.02E-07	1.33E-05
5572	474719.04	3848529.7	2.91E-05	2.98E-10	1.42E-07	2.03E-07	2.94E-05	1.38E-05	1.31E-04	1.07E-05	7.45E-06	1.63E-04	1.32E-05	2.46E-10	1.42E-07	2.03E-07	1.35E-05
5573	474793.74	3848594.88	2.94E-05	2.98E-10	1.43E-07	2.05E-07	2.97E-05	1.40E-05	1.31E-04	1.07E-05	7.51E-06	1.63E-04	1.33E-05	2.46E-10	1.43E-07	2.05E-07	1.36E-05
5574	474868.45	3848660.07	2.96E-05	2.95E-10	1.44E-07	2.06E-07	2.99E-05	1.41E-05	1.30E-04	1.08E-05	7.55E-06	1.62E-04	1.34E-05	2.44E-10	1.44E-07	2.06E-07	1.37E-05
5575	474943.15	3848725.25	2.99E-05	2.96E-10	1.45E-07	2.08E-07	3.03E-05	1.42E-05	1.30E-04	1.08E-05	7.61E-06	1.63E-04	1.35E-05	2.45E-10	1.45E-07	2.08E-07	1.39E-05
5576	475017.86	3848790.43	3.05E-05	3.02E-10	1.45E-07	2.09E-07	3.08E-05	1.45E-05	1.33E-04	1.09E-05	7.67E-06	1.66E-04	1.38E-05	2.49E-10	1.45E-07	2.09E-07	1.41E-05
5577	475092.56	3848855.61	3.11E-05	3.10E-10	1.46E-07	2.11E-07	3.14E-05	1.48E-05	1.37E-04	1.10E-05	7.74E-06	1.70E-04	1.41E-05	2.56E-10	1.46E-07	2.11E-07	1.44E-05
5578	475232.58	3848959.38	3.20E-05	3.20E-10	1.48E-07	2.14E-07	3.24E-05	1.52E-05	1.41E-04	1.11E-05	7.83E-06	1.75E-04	1.45E-05	2.65E-10	1.48E-07	2.14E-07	1.48E-05
5579	475368.47	3849029.98	3.24E-05	3.22E-10	1.49E-07	2.14E-07	3.28E-05	1.54E-05	1.42E-04	1.12E-05	7.86E-06	1.76E-04	1.47E-05	2.66E-10	1.49E-07	2.14E-07	1.50E-05
5580	475609.57	3849096.09	3.26E-05	3.24E-10	1.51E-07	2.16E-07	3.30E-05	1.55E-05	1.43E-04	1.13E-05	7.93E-06	1.77E-04	1.48E-05	2.68E-10	1.51E-07	2.16E-07	1.51E-05
5581	475680.68	3849116.62	3.31E-05	3.38E-10	1.51E-07	2.16E-07	3.35E-05	1.58E-05	1.49E-04	1.14E-05	7.93E-06	1.84E-04	1.50E-05	2.79E-10	1.51E-07	2.16E-07	1.54E-05
5582	475843.76	3849151.52	3.37E-05	3.59E-10	1.52E-07	2.17E-07	3.41E-05	1.60E-05	1.58E-04	1.14E-05	7.96E-06	1.94E-04	1.53E-05	2.97E-10	1.52E-07	2.17E-07	1.56E-05
5583	475935.73	3849165.89	3.42E-05	3.81E-10	1.53E-07	2.17E-07	3.45E-05	1.62E-05	1.68E-04	1.15E-05	7.96E-06	2.03E-04	1.55E-05	3.14E-10	1.53E-07	2.17E-07	1.58E-05
5584	476027.71	3849180.27	3.44E-05	4.01E-10	1.54E-07	2.17E-07	3.48E-05	1.64E-05	1.76E-04	1.15E-05	7.96E-06	2.12E-04	1.56E-05	3.31E-10	1.54E-07	2.17E-07	1.59E-05
5585	476119.68	3849194.64	3.43E-05	3.99E-10	1.56E-07	2.17E-07	3.47E-05	1.63E-05	1.76E-04	1.17E-05	7.96E-06	2.12E-04	1.55E-05	3.30E-10	1.56E-07	2.17E-07	1.59E-05
5586	476211.65	3849209.01	3.44E-05	4.08E-10	1.56E-07	2.17E-07	3.47E-05	1.63E-05	1.80E-04	1.17E-05	7.96E-06	2.16E-04	1.55E-05	3.37E-10	1.56E-07	2.17E-07	1.59E-05
5587	476497.8	3849283.9	3.49E-05	4.51E-10	1.59E-07	2.18E-07	3.53E-05	1.66E-05	1.98E-04	1.19E-05	7.99E-06	2.35E-04	1.58E-05	3.72E-10	1.59E-07	2.18E-07	1.62E-05
5588	476603.73	3849323.77	3.53E-05	4.72E-10	1.61E-07	2.19E-07	3.57E-05	1.68E-05	2.08E-04	1.21E-05	8.02E-06	2.45E-04	1.60E-05	3.90E-10	1.61E-07	2.19E-07	1.64E-05
5589	476728.99	3849382.76	3.58E-05	4.94E-10	1.62E-07	2.20E-07	3.62E-05	1.70E-05	2.18E-04	1.22E-05	8.05E-06	2.55E-04	1.62E-05	4.08E-10	1.62E-07	2.20E-07	1.66E-05
5590	476801.27	3849418.65	3.62E-05	5.09E-10	1.63E-07	2.20E-07	3.65E-05	1.72E-05	2.24E-04	1.22E-05	8.08E-06	2.62E-04	1.64E-05	4.21E-10	1.63E-07	2.20E-07	1.67E-05
5591	476956.2	3849495.05	3.68E-05	5.41E-10	1.65E-07	2.22E-07	3.72E-05	1.75E-05	2.38E-04	1.24E-05	8.15E-06	2.76E-04	1.67E-05	4.47E-10	1.65E-07	2.22E-07	1.70E-05
5592	477038.84	3849535.56	3.71E-05	5.50E-10	1.66E-07	2.23E-07	3.75E-05	1.77E-05	2.42E-04	1.24E-05	8.18E-06	2.81E-04	1.68E-05	4.54E-10	1.66E-07	2.23E-07	1.72E-05
5593	477121.48	3849576.08	3.75E-05	5.66E-10	1.67E-07	2.24E-07	3.79E-05	1.78E-05	2.49E-04	1.25E-05	8.21E-06	2.88E-04	1.70E-05	4.67E-10	1.67E-07	2.24E-07	1.74E-05
5594	477204.13	3849616.6	3.78E-05	5.74E-10	1.68E-07	2.25E-07	3.82E-05	1.80E-05	2.53E-04	1.26E-05	8.24E-06	2.92E-04	1.71E-05	4.74E-10	1.68E-07	2.25E-07	1.75E-05
5595	477286.78	3849657.12	3.79E-05	5.65E-10	1.68E-07	2.26E-07	3.83E-05	1.80E-05	2.49E-04	1.26E-05	8.30E-06	2.88E-04	1.72E-05	4.67E-10	1.68E-07	2.26E-07	1.76E-05
5596	477369.42	3849697.63	3.84E-05	6.02E-10	1.70E-07	2.27E-07	3.88E-05	1.83E-05	2.65E-04	1.28E-05	8.34E-06	3.05E-04	1.74E-05	4.97E-10	1.70E-07	2.27E-07	1.78E-05
5597	477452.07	3849738.15	3.88E-05	6.12E-10	1.71E-07	2.28E-07	3.92E-05	1.84E-05	2.70E-04	1.28E-05	8.37E-06	3.09E-04	1.75E-05	5.06E-10	1.71E-07	2.28E-07	1.79E-05
5598	477534.71	3849778.67	3.91E-05	6.40E-10	1.72E-07	2.29E-07	3.96E-05	1.86E-05	2.82E-04	1.29E-05	8.40E-06	3.22E-04	1.77E-05	5.29E-10	1.72E-07	2.29E-07	1.81E-05
5599	477617.35	3849819.18	3.95E-05	6.50E-10	1.73E-07	2.31E-07	3.99E-05	1.88E-05	2.86E-04	1.29E-05	8.46E-06	3.27E-04	1.79E-05	5.37E-10	1.73E-07	2.31E-07	1.83E-05
5600	477824.74	3849896.37	3.99E-05	6.82E-10	1.75E-07	2.33E-07	4.03E-05	1.90E-05	3.00E-04	1.31E-05	8.56E-06	3.41E-04	1.81E-05	5.63E-10	1.75E-07	2.33E-07	1.85E-05
5601	477906.31	3849936.37	4.00E-05	6.65E-10	1.76E-07	2.35E-07	4.04E-05	1.90E-05	2.93E-04	1.32E-05	8.62E-06	3.34E-04	1.81E-05	5.49E-10	1.76E-07	2.35E-07	1.85E-05
5602	477987.89	3849976.36	4.04E-05	6.83E-10	1.77E-07	2.37E-07	4.08E-05	1.92E-05	3.01E-04	1.33E-05	8.68E-06	3.42E-04	1.83E-05	5.64E-10	1.77E-07	2.37E-07	1.87E-05
5603	478069.47	3850016.36	4.05E-05	6.72E-10	1.78E-07	2.39E-07	4.09E-05	1.92E-05	2.96E-04	1.33E-05	8.75E-06	3.37E-04	1.83E-05	5.55E-10	1.78E-07	2.39E-07	1.87E-05
5604	478151.04	3850056.35	4.06E-05	6.62E-10	1.79E-07	2.40E-07	4.10E-05	1.93E-05	2.92E-04	1.34E-05	8.81E-06	3.33E-04	1.84E-05	5.47E-10	1.79E-07	2.40E-07	1.88E-05
5605	478232.62	3850096.35	4.09E-05	6.69E-10	1.79E-07	2.42E-07	4.13E-05	1.95E-05	2.95E-04	1.35E-05	8.87E-06	3.37E-04	1.85E-05	5.53E-10	1.79E-07	2.42E-07	1.89E-05
5606	478314.2	3850136.34	4.13E-05	6.80E-10	1.80E-07	2.44E-07	4.17E-05	1.96E-05	2.99E-04	1.35E-05	8.94E-06	3.41E-04	1.87E-05	5.61E-10	1.80E-07	2.44E-07	1.91E-05
5607	478395.77	3850176.34	4.16E-05	6.89E-10	1.81E-07	2.46E-07	4.21E-05	1.98E-05	3.03E-04	1.36E-05	9.03E-06	3.46E-04	1.88E-05	5.69E-10	1.81E-07	2.46E-07	1.93E-05
5608	478575.43	3850244.45	4.22E-05	7.05E-10	1.83E-07	2.50E-07	4.26E-05	2.01E-05	3.10E-04	1.37E-05	9.16E-06	3.53E-04	1.91E-05	5.82E-10	1.83E-07	2.50E-07	1.95E-05

5609	478665.06	3850287.29	4.28E-05	7.14E-10	1.85E-07	2.52E-07	4.32E-05	2.03E-05	3.14E-04	1.38E-05	9.25E-06	3.58E-04	1.93E-05	5.90E-10	1.85E-07	2.52E-07	1.98E-05
5610	478754.69	3850330.14	4.34E-05	7.24E-10	1.85E-07	2.54E-07	4.38E-05	2.06E-05	3.19E-04	1.39E-05	9.31E-06	3.63E-04	1.96E-05	5.98E-10	1.85E-07	2.54E-07	2.01E-05
5611	478844.32	3850372.99	4.42E-05	7.37E-10	1.86E-07	2.56E-07	4.47E-05	2.10E-05	3.25E-04	1.40E-05	9.38E-06	3.69E-04	2.00E-05	6.09E-10	1.86E-07	2.56E-07	2.04E-05
5612	478933.95	3850415.84	4.61E-05	7.53E-10	1.87E-07	2.57E-07	4.65E-05	2.19E-05	3.32E-04	1.40E-05	9.44E-06	3.77E-04	2.08E-05	6.22E-10	1.87E-07	2.57E-07	2.13E-05
5613	479023.58	3850458.68	4.59E-05	7.52E-10	1.88E-07	2.60E-07	4.64E-05	2.18E-05	3.31E-04	1.41E-05	9.54E-06	3.77E-04	2.08E-05	6.21E-10	1.88E-07	2.60E-07	2.12E-05
5614	479110.66	3850441.9	4.75E-05	7.51E-10	1.88E-07	2.61E-07	4.80E-05	2.26E-05	3.31E-04	1.41E-05	9.57E-06	3.77E-04	2.15E-05	6.20E-10	1.88E-07	2.61E-07	2.19E-05
5615	479191.22	3850423.99	4.86E-05	7.42E-10	1.87E-07	2.62E-07	4.90E-05	2.31E-05	3.27E-04	1.40E-05	9.60E-06	3.74E-04	2.20E-05	6.13E-10	1.87E-07	2.62E-07	2.24E-05
5616	479274.32	3850465.71	4.98E-05	7.45E-10	1.88E-07	2.64E-07	5.03E-05	2.37E-05	3.28E-04	1.41E-05	9.69E-06	3.76E-04	2.25E-05	6.16E-10	1.88E-07	2.64E-07	2.30E-05
5617	479357.43	3850507.42	5.11E-05	7.39E-10	1.89E-07	2.67E-07	5.16E-05	2.43E-05	3.25E-04	1.42E-05	9.79E-06	3.74E-04	2.31E-05	6.10E-10	1.89E-07	2.67E-07	2.36E-05
5618	479440.53	3850549.14	5.12E-05	7.29E-10	1.89E-07	2.70E-07	5.16E-05	2.43E-05	3.21E-04	1.42E-05	9.88E-06	3.69E-04	2.32E-05	6.02E-10	1.89E-07	2.70E-07	2.36E-05
5619	479523.64	3850590.85	5.26E-05	7.24E-10	1.90E-07	2.73E-07	5.30E-05	2.50E-05	3.19E-04	1.42E-05	1.00E-05	3.68E-04	2.38E-05	5.98E-10	1.90E-07	2.73E-07	2.42E-05
5620	479606.74	3850632.57	5.42E-05	7.25E-10	1.91E-07	2.75E-07	5.47E-05	2.58E-05	3.19E-04	1.43E-05	1.01E-05	3.69E-04	2.45E-05	5.98E-10	1.91E-07	2.75E-07	2.50E-05
5621	479777.37	3850707.61	5.84E-05	7.20E-10	1.91E-07	2.80E-07	5.89E-05	2.78E-05	3.17E-04	1.44E-05	1.03E-05	3.70E-04	2.64E-05	5.95E-10	1.91E-07	2.80E-07	2.69E-05
5622	479864.9	3850740.95	6.12E-05	7.24E-10	1.92E-07	2.82E-07	6.16E-05	2.91E-05	3.19E-04	1.44E-05	1.03E-05	3.73E-04	2.77E-05	5.98E-10	1.92E-07	2.82E-07	2.81E-05
5623	479931.87	3850829.56	6.19E-05	7.50E-10	1.95E-07	2.85E-07	6.24E-05	2.95E-05	3.30E-04	1.46E-05	1.05E-05	3.85E-04	2.80E-05	6.19E-10	1.95E-07	2.85E-07	2.85E-05
5624	479995.55	3850926.75	6.32E-05	7.93E-10	1.97E-07	2.88E-07	6.37E-05	3.00E-05	3.49E-04	1.48E-05	1.05E-05	4.05E-04	2.86E-05	6.55E-10	1.97E-07	2.88E-07	2.91E-05
5625	480079.78	3850968.64	6.55E-05	8.08E-10	1.98E-07	2.89E-07	6.60E-05	3.12E-05	3.56E-04	1.49E-05	1.06E-05	4.13E-04	2.96E-05	6.68E-10	1.98E-07	2.89E-07	3.01E-05
5626	480164.01	3851010.54	6.80E-05	8.23E-10	1.99E-07	2.91E-07	6.85E-05	3.23E-05	3.62E-04	1.49E-05	1.07E-05	4.20E-04	3.07E-05	6.79E-10	1.99E-07	2.91E-07	3.12E-05
5627	480248.23	3851052.43	7.05E-05	8.36E-10	2.01E-07	2.94E-07	7.10E-05	3.35E-05	3.68E-04	1.51E-05	1.08E-05	4.28E-04	3.19E-05	6.91E-10	2.01E-07	2.94E-07	3.24E-05
5628	480332.46	3851094.33	7.32E-05	8.44E-10	2.02E-07	2.96E-07	7.37E-05	3.48E-05	3.72E-04	1.51E-05	1.09E-05	4.32E-04	3.31E-05	6.97E-10	2.02E-07	2.96E-07	3.36E-05
5629	480416.69	3851136.22	7.61E-05	8.45E-10	2.02E-07	3.00E-07	7.66E-05	3.62E-05	3.72E-04	1.52E-05	1.10E-05	4.34E-04	3.44E-05	6.98E-10	2.02E-07	3.00E-07	3.49E-05
5630	480579.95	3851215.17	8.20E-05	8.56E-10	2.04E-07	3.07E-07	8.25E-05	3.90E-05	3.77E-04	1.53E-05	1.12E-05	4.43E-04	3.71E-05	7.07E-10	2.04E-07	3.07E-07	3.76E-05
5631	480658.98	3851252.22	8.50E-05	8.66E-10	2.05E-07	3.10E-07	8.55E-05	4.04E-05	3.81E-04	1.54E-05	1.14E-05	4.49E-04	3.85E-05	7.15E-10	2.05E-07	3.10E-07	3.90E-05
5632	480817.36	3851327.85	9.11E-05	8.84E-10	2.07E-07	3.17E-07	9.16E-05	4.33E-05	3.89E-04	1.55E-05	1.16E-05	4.60E-04	4.12E-05	7.30E-10	2.07E-07	3.17E-07	4.17E-05
5633	480896.72	3851366.42	9.42E-05	8.91E-10	2.08E-07	3.21E-07	9.47E-05	4.48E-05	3.92E-04	1.56E-05	1.18E-05	4.64E-04	4.26E-05	7.36E-10	2.08E-07	3.21E-07	4.31E-05
5634	480976.07	3851405	9.72E-05	8.96E-10	2.09E-07	3.25E-07	9.77E-05	4.62E-05	3.95E-04	1.57E-05	1.19E-05	4.69E-04	4.40E-05	7.40E-10	2.09E-07	3.25E-07	4.45E-05
5635	481178	3851487.31	1.04E-04	8.95E-10	2.12E-07	3.35E-07	1.05E-04	4.97E-05	3.94E-04	1.59E-05	1.23E-05	4.72E-04	4.73E-05	7.39E-10	2.12E-07	3.35E-07	4.78E-05
5636	481244.9	3851557.17	1.07E-04	9.11E-10	2.13E-07	3.40E-07	1.08E-04	5.08E-05	4.01E-04	1.60E-05	1.25E-05	4.81E-04	4.84E-05	7.53E-10	2.13E-07	3.40E-07	4.89E-05
5637	481311.81	3851627.03	1.10E-04	9.25E-10	2.16E-07	3.45E-07	1.10E-04	5.21E-05	4.07E-04	1.62E-05	1.27E-05	4.88E-04	4.95E-05	7.64E-10	2.16E-07	3.45E-07	5.01E-05
5638	481378.71	3851696.89	1.12E-04	9.37E-10	2.18E-07	3.51E-07	1.13E-04	5.34E-05	4.13E-04	1.63E-05	1.29E-05	4.95E-04	5.08E-05	7.74E-10	2.18E-07	3.51E-07	5.13E-05
5639	481445.61	3851766.76	1.15E-04	9.51E-10	2.20E-07	3.57E-07	1.16E-04	5.47E-05	4.19E-04	1.65E-05	1.31E-05	5.03E-04	5.20E-05	7.85E-10	2.20E-07	3.57E-07	5.26E-05
5640	481512.51	3851836.62	1.18E-04	9.61E-10	2.22E-07	3.63E-07	1.19E-04	5.61E-05	4.23E-04	1.66E-05	1.33E-05	5.09E-04	5.34E-05	7.94E-10	2.22E-07	3.63E-07	5.40E-05
5641	481579.42	3851906.48	1.21E-04	9.73E-10	2.25E-07	3.70E-07	1.22E-04	5.76E-05	4.28E-04	1.68E-05	1.36E-05	5.16E-04	5.48E-05	8.03E-10	2.25E-07	3.70E-07	5.54E-05
5642	481646.32	3851976.34	1.24E-04	9.86E-10	2.27E-07	3.77E-07	1.25E-04	5.92E-05	4.34E-04	1.70E-05	1.38E-05	5.24E-04	5.63E-05	8.15E-10	2.27E-07	3.77E-07	5.69E-05
5643	481713.22	3852046.2	1.28E-04	9.91E-10	2.29E-07	3.85E-07	1.29E-04	6.09E-05	4.37E-04	1.72E-05	1.41E-05	5.29E-04	5.79E-05	8.19E-10	2.29E-07	3.85E-07	5.85E-05
5644	481780.12	3852116.06	1.32E-04	1.01E-09	2.31E-07	3.93E-07	1.32E-04	6.25E-05	4.46E-04	1.73E-05	1.44E-05	5.41E-04	5.95E-05	8.37E-10	2.31E-07	3.93E-07	6.01E-05
5645	481847.03	3852185.92	1.35E-04	1.04E-09	2.34E-07	4.00E-07	1.36E-04	6.42E-05	4.60E-04	1.75E-05	1.47E-05	5.56E-04	6.11E-05	8.63E-10	2.34E-07	4.00E-07	6.17E-05
5646	481913.93	3852255.78	1.39E-04	1.08E-09	2.37E-07	4.08E-07	1.39E-04	6.59E-05	4.75E-04	1.78E-05	1.50E-05	5.74E-04	6.27E-05	8.91E-10	2.37E-07	4.08E-07	6.33E-05
5647	481980.83	3852325.65	1.42E-04	1.12E-09	2.41E-07	4.18E-07	1.43E-04	6.75E-05	4.93E-04	1.81E-05	1.53E-05	5.94E-04	6.42E-05	9.25E-10	2.41E-07	4.18E-07	6.49E-05
5648	482047.73	3852395.51	1.46E-04	1.15E-09	2.43E-07	4.28E-07	1.47E-04	6.94E-05	5.07E-04	1.82E-05	1.57E-05	6.10E-04	6.61E-05	9.51E-10	2.43E-07	4.28E-07	6.67E-05
5649	482114.64	3852465.37	1.50E-04	1.19E-09	2.47E-07	4.39E-07	1.51E-04	7.13E-05	5.24E-04	1.85E-05	1.61E-05	6.30E-04	6.78E-05	9.84E-10	2.47E-07	4.39E-07	6.85E-05
5650	482181.54	3852535.23	1.55E-04	1.22E-09	2.49E-07	4.51E-07	1.55E-04	7.35E-05	5.37E-04	1.87E-05	1.65E-05	6.46E-04	7.00E-05	1.01E-09	2.49E-07	4.51E-07	7.07E-05
5651	482338.69	3852700.04	1.66E-04	1.31E-09	2.57E-07	4.86E-07	1.67E-04	7.90E-05	5.76E-04	1.93E-05	1.78E-05	6.92E-04	7.52E-05	1.08E-09	2.57E-07	4.86E-07	7.59E-05
5652	482404.05	3852767.78	1.72E-04	1.35E-09	2.59E-07	5.01E-07	1.72E-04	8.16E-05	5.94E-04	1.95E-05	1.84E-05	7.13E-04	7.76E-05	1.11E-09	2.59E-07	5.01E-07	7.84E-05
5653	482469.4	3852835.52	1.77E-04	1.39E-09	2.63E-07	5.18E-07	1.78E-04	8.42E-05	6.13E-04	1.97E-05	1.90E-05	7.36E-04	8.01E-05	1.15E-09	2.63E-07	5.18E-07	8.09E-05
5654	482534.75	3852903.25	1.84E-04	1.43E-09	2.65E-07	5.33E-07	1.84E-04	8.73E-05	6.28E-04	1.99E-05	1.95E-05	7.55E-04	8.30E-05	1.18E-09	2.65E-07	5.33E-07	8.38E-05
5655	482600.11	3852970.98	1.90E-04	1.47E-09	2.69E-07	5.49E-07	1.91E-04	9.03E-05	6.46E-04	2.02E-05	2.01E-05	7.77E-04	8.59E-05	1.21E-09	2.69E-07	5.49E-07	8.67E-05
5656	482706.71	3853119.28	2.02E-04	1.55E-09	2.76E-07	5.86E-07	2.03E-04	9.62E-05	6.82E-04	2.07E-05	2.15E-05	8.21E-04	9.15E-05	1.28E-09	2.76E-07	5.86E-07	9.24E-05
5657	482747.96	3853199.84	2.07E-04	1.61E-09	2.80E-07	6.06E-07	2.07E-04	9.82E-05	7.10E-04	2.10E-05	2.22E-05	8.52E-04	9.34E-05	1.33E-09	2.80E-07	6.06E-07	9.43E-05
5658	482789.21	3853280.4	2.10E-04	1.68E-09	2.85E-07	6.29E-07	2.11E-04	9.99E-05	7.42E-04	2.14E-05	2.30E-05	8.86E-04	9.50E-05	1.39E-09	2.85E-07	6.29E-07	9.60E-05
5659	482830.46	3853360.96	2.14E-04	1.75E-09	2.89E-07	6.53E-07	2.15E-04	1.02E-04	7.71E-04	2.17E-05	2.39E-05	9.19E-04	9.67E-05	1.45E-09	2.89E-07	6.53E-07	9.77E-05
5660	482871.71	3853441.52	2.18E-04	1.82E-09	2.93E-07	6.79E-07	2.19E-04	1.03E-04	8.02E-04	2.20E-05	2.49E-05	9.52E-04	9.85E-05	1.50E-09	2.93E-07	6.79E-07	9.94E-05
5661	482912.95	3853522.07	2.23E-04	1.87E-09	2.98E-07	7.06E-07	2.24E-04	1.06E-04	8.23E-04	2.23E-05	2.59E-05	9.77E-04	1.01E-04	1.54E-09	2.98E-07	7.06E-07	1.02E-04
5662	482954.2	3853602.63	2.29E-04	1.92E-09	3.02E-07	7.36E-07	2.30E-04	1.09E-04	8.44E-04	2.26E-05	2.70E-05	1.00E-03	1.03E-04	1.58E-09	3.02E-07	7.36E-07	1.04E-04
5663	482995.45	3853683.19	2.36E-04	1.95E-09	3.06E-07	7.70E-07	2.37E-04	1.12E-04	8.61E-04	2.30E-05	2.82E-05	1.02E-03	1.07E-04	1.61E-09	3.06E-07	7.70E-07	1.08E-04
5664	483036.7	3853763.75	2.45E-04	1.99E-09	3.10E-07	8.07E-07	2.46E-04	1.16E-04	8.77E-04	2.33E-05	2.96E-05	1.05E-03	1.11E-04	1.64E-09	3.10E-07	8.07E-07	1.12E-04
5665	483214.2	3853909.91	2.88E-04	1.83E-09	3.17E-07	8.84E-07	2.89E-04	1.37E-04	8.08E-04	2.38E-05	3.24E-05	1.00E-03	1.30E-04	1.52E-09	3.17E-07	8.84E-07	1.31E-04
5666	483307.01	3853910.44	3.11E-04	1.82E-09	3.18E-07	8.86E-07	3.12E-04	1.48E-04	8.01E-04	2.39E-05	3.25E-05	1.01E-03	1.41E-04	1.50E-09	3.18E-07	8.86E-07	1.42E-04
5667	483399.83	3853910.96	3.38E-04	1.77E-09	3.18E-07	8.99E-07	3.39E-04	1.61E-04	7.79E-04	2.39E-05	3.30E-05	9.96E-04	1.53E-04	1.46E-09	3.18E-07	8.99E-07	1.54E-04
5668	483494.52	3854009.24	3.69E-04	1.85E-09	3.25E-07	1.00E-06	3.70E-04	1.75E-04	8.14E-04	2.44E-05	3.68E-05	1.05E-03	1.67E-04	1.53E-09	3.25E-07	1.00E-06	1.68E-04
5669	483496.41	3854106.98	3.72E-04	1.99E-09	3.32E-07	1.11E-06	3.74E-04	1.77E-04	8.74E-04	2.49E-05	4.08E-05	1.12E-03	1.68E-04	1.64E-09	3.32E-07	1.11E-06	1.70E-04

5670	483577.56	3854261.96	4.15E-04	2.00E-09	3.41E-07	1.41E-06	4.16E-04	1.97E-04	8.82E-04	2.56E-05	5.15E-05	1.16E-03	1.88E-04	1.65E-09	3.41E-07	1.41E-06	1.89E-04
5671	483656.83	3854319.19	4.42E-04	1.96E-09	3.46E-07	1.65E-06	4.44E-04	2.10E-04	8.65E-04	2.60E-05	6.03E-05	1.16E-03	2.00E-04	1.62E-09	3.46E-07	1.65E-06	2.02E-04
5672	483736.1	3854376.41	4.73E-04	1.96E-09	3.50E-07	2.01E-06	4.75E-04	2.25E-04	8.62E-04	2.63E-05	7.37E-05	1.19E-03	2.14E-04	1.62E-09	3.50E-07	2.01E-06	2.16E-04
5673	483815.36	3854433.64	5.03E-04	2.01E-09	3.55E-07	2.47E-06	5.06E-04	2.39E-04	8.84E-04	2.67E-05	9.06E-05	1.24E-03	2.28E-04	1.66E-09	3.55E-07	2.47E-06	2.31E-04
5674	483894.63	3854490.87	5.28E-04	2.11E-09	3.61E-07	3.03E-06	5.31E-04	2.51E-04	9.29E-04	2.70E-05	1.11E-04	1.32E-03	2.39E-04	1.74E-09	3.61E-07	3.03E-06	2.42E-04
5675	483973.9	3854548.1	5.45E-04	2.28E-09	3.66E-07	3.57E-06	5.49E-04	2.59E-04	1.00E-03	2.74E-05	1.31E-04	1.42E-03	2.47E-04	1.88E-09	3.66E-07	3.57E-06	2.51E-04
5676	484053.17	3854605.32	5.74E-04	2.55E-09	3.72E-07	3.94E-06	5.78E-04	2.73E-04	1.12E-03	2.79E-05	1.44E-04	1.57E-03	2.59E-04	2.10E-09	3.72E-07	3.94E-06	2.64E-04
5677	484214.97	3854698.15	6.57E-04	3.10E-09	3.82E-07	4.06E-06	6.62E-04	3.12E-04	1.37E-03	2.86E-05	1.49E-04	1.86E-03	2.97E-04	2.56E-09	3.82E-07	4.06E-06	3.02E-04
5678	484297.5	3854733.74	7.43E-04	3.44E-09	3.86E-07	3.96E-06	7.48E-04	3.53E-04	1.51E-03	2.90E-05	1.45E-04	2.04E-03	3.36E-04	2.84E-09	3.86E-07	3.96E-06	3.41E-04
5679	484380.03	3854769.34	7.99E-04	3.68E-09	3.91E-07	3.82E-06	8.04E-04	3.80E-04	1.62E-03	2.93E-05	1.40E-04	2.17E-03	3.62E-04	3.04E-09	3.91E-07	3.82E-06	3.66E-04
5680	484462.56	3854804.94	9.01E-04	4.03E-09	3.95E-07	3.63E-06	9.05E-04	4.28E-04	1.78E-03	2.97E-05	1.33E-04	2.37E-03	4.08E-04	3.33E-09	3.95E-07	3.63E-06	4.12E-04
5681	484545.09	3854840.53	9.67E-04	4.24E-09	4.01E-07	3.43E-06	9.71E-04	4.60E-04	1.87E-03	3.00E-05	1.26E-04	2.48E-03	4.37E-04	3.50E-09	4.01E-07	3.43E-06	4.41E-04
5682	484691.88	3854912.58	1.27E-03	4.91E-09	4.11E-07	3.03E-06	1.27E-03	6.02E-04	2.16E-03	3.08E-05	1.11E-04	2.91E-03	5.73E-04	4.06E-09	4.11E-07	3.03E-06	5.77E-04
5683	484830.81	3855012.51	2.68E-03	5.75E-09	4.24E-07	2.87E-06	2.68E-03	1.27E-03	2.53E-03	3.18E-05	1.05E-04	3.94E-03	1.21E-03	4.75E-09	4.24E-07	2.87E-06	1.21E-03
5684	484905.48	3855075.97	6.67E-03	6.52E-09	4.34E-07	2.91E-06	6.67E-03	3.17E-03	2.87E-03	3.25E-05	1.07E-04	6.18E-03	3.02E-03	5.39E-09	4.34E-07	2.91E-06	3.02E-03
5685	484980.14	3855139.44	1.05E-02	7.15E-09	4.42E-07	3.06E-06	1.05E-02	5.00E-03	3.15E-03	3.32E-05	1.12E-04	8.29E-03	4.76E-03	5.90E-09	4.42E-07	3.06E-06	4.76E-03
5686	485054.81	3855202.91	1.30E-02	7.63E-09	4.52E-07	3.25E-06	1.30E-02	6.18E-03	3.36E-03	3.39E-05	1.19E-04	9.69E-03	5.88E-03	6.30E-09	4.52E-07	3.25E-06	5.88E-03
5687	485129.48	3855266.37	1.37E-02	7.86E-09	4.63E-07	3.51E-06	1.37E-02	6.53E-03	3.46E-03	3.47E-05	1.29E-04	1.02E-02	6.21E-03	6.49E-09	4.63E-07	3.51E-06	6.22E-03
5688	485204.15	3855329.84	1.58E-02	8.53E-09	4.74E-07	3.90E-06	1.58E-02	7.51E-03	3.76E-03	3.55E-05	1.43E-04	1.14E-02	7.14E-03	7.05E-09	4.74E-07	3.90E-06	7.15E-03
5689	485278.82	3855393.31	1.66E-02	8.97E-09	4.85E-07	4.38E-06	1.66E-02	7.88E-03	3.95E-03	3.64E-05	1.61E-04	1.20E-02	7.50E-03	7.41E-09	4.85E-07	4.38E-06	7.50E-03
5690	485353.48	3855456.77	1.77E-02	9.56E-09	4.97E-07	4.86E-06	1.77E-02	8.42E-03	4.21E-03	3.73E-05	1.78E-04	1.28E-02	8.01E-03	7.90E-09	4.97E-07	4.86E-06	8.02E-03
5691	485428.15	3855520.24	1.81E-02	1.00E-08	5.09E-07	5.34E-06	1.81E-02	8.61E-03	4.41E-03	3.82E-05	1.96E-04	1.33E-02	8.19E-03	8.27E-09	5.09E-07	5.34E-06	8.20E-03
5692	485502.82	3855583.71	1.86E-02	1.05E-08	5.23E-07	5.81E-06	1.86E-02	8.82E-03	4.63E-03	3.92E-05	2.13E-04	1.37E-02	8.39E-03	8.68E-09	5.23E-07	5.81E-06	8.40E-03
5693	485577.49	3855647.17	1.98E-02	1.13E-08	5.37E-07	6.26E-06	1.98E-02	9.39E-03	4.98E-03	4.03E-05	2.29E-04	1.46E-02	8.93E-03	9.34E-09	5.37E-07	6.26E-06	8.94E-03
5694	485652.16	3855710.64	2.08E-02	1.22E-08	5.53E-07	6.71E-06	2.08E-02	9.88E-03	5.36E-03	4.15E-05	2.46E-04	1.55E-02	9.40E-03	1.00E-08	5.53E-07	6.71E-06	9.41E-03
5695	485726.83	3855774.1	2.14E-02	1.28E-08	5.69E-07	7.17E-06	2.14E-02	1.02E-02	5.63E-03	4.27E-05	2.63E-04	1.61E-02	9.68E-03	1.06E-08	5.69E-07	7.17E-06	9.69E-03
5696	485801.49	3855837.57	2.09E-02	1.33E-08	5.86E-07	7.57E-06	2.09E-02	9.94E-03	5.84E-03	4.39E-05	2.77E-04	1.61E-02	9.46E-03	1.09E-08	5.86E-07	7.57E-06	9.46E-03
5697	485876.16	3855901.04	2.14E-02	1.39E-08	6.05E-07	7.85E-06	2.14E-02	1.02E-02	6.11E-03	4.54E-05	2.88E-04	1.66E-02	9.69E-03	1.15E-08	6.05E-07	7.85E-06	9.70E-03
5698	485950.83	3855964.5	2.09E-02	1.44E-08	6.25E-07	8.02E-06	2.10E-02	9.96E-03	6.34E-03	4.69E-05	2.94E-04	1.66E-02	9.47E-03	1.19E-08	6.25E-07	8.02E-06	9.48E-03
5699	486025.5	3856027.97	2.04E-02	1.47E-08	6.47E-07	8.02E-06	2.04E-02	9.71E-03	6.47E-03	4.85E-05	2.94E-04	1.65E-02	9.24E-03	1.21E-08	6.47E-07	8.02E-06	9.25E-03
5700	486100.17	3856091.44	2.16E-02	1.58E-08	6.70E-07	7.82E-06	2.16E-02	1.03E-02	6.97E-03	5.03E-05	2.87E-04	1.76E-02	9.79E-03	1.31E-08	6.70E-07	7.82E-06	9.79E-03
5701	486174.83	3856154.9	2.07E-02	1.59E-08	6.97E-07	7.57E-06	2.07E-02	9.86E-03	7.02E-03	5.22E-05	2.78E-04	1.72E-02	9.38E-03	1.32E-08	6.97E-07	7.57E-06	9.39E-03
5702	486249.5	3856218.37	1.89E-02	1.55E-08	7.26E-07	7.27E-06	1.89E-02	8.98E-03	6.84E-03	5.45E-05	2.67E-04	1.61E-02	8.54E-03	1.28E-08	7.26E-07	7.27E-06	8.55E-03
5703	486324.17	3856281.84	1.73E-02	1.53E-08	7.60E-07	6.95E-06	1.73E-02	8.24E-03	6.75E-03	5.70E-05	2.55E-04	1.53E-02	7.84E-03	1.27E-08	7.60E-07	6.95E-06	7.85E-03
5704	486398.84	3856345.3	1.78E-02	1.59E-08	7.93E-07	6.57E-06	1.78E-02	8.45E-03	7.02E-03	5.95E-05	2.41E-04	1.58E-02	8.04E-03	1.32E-08	7.93E-07	6.57E-06	8.05E-03
5705	486473.51	3856408.77	1.77E-02	1.63E-08	8.32E-07	6.16E-06	1.77E-02	8.43E-03	7.17E-03	6.24E-05	2.26E-04	1.59E-02	8.02E-03	1.35E-08	8.32E-07	6.16E-06	8.03E-03
5706	486548.17	3856472.24	1.83E-02	1.69E-08	8.73E-07	5.69E-06	1.83E-02	8.68E-03	7.43E-03	6.54E-05	2.09E-04	1.64E-02	8.26E-03	1.39E-08	8.73E-07	5.69E-06	8.27E-03
5707	486622.84	3856535.7	1.88E-02	1.74E-08	9.18E-07	5.21E-06	1.88E-02	8.94E-03	7.68E-03	6.88E-05	1.91E-04	1.69E-02	8.51E-03	1.44E-08	9.18E-07	5.21E-06	8.52E-03
5708	486765.48	3856659.69	2.03E-02	1.87E-08	1.02E-06	4.30E-06	2.03E-02	9.63E-03	8.25E-03	7.64E-05	1.57E-04	1.81E-02	9.16E-03	1.55E-08	1.02E-06	4.30E-06	9.17E-03
5709	486833.44	3856720.2	2.09E-02	1.92E-08	1.08E-06	3.92E-06	2.09E-02	9.95E-03	8.45E-03	8.08E-05	1.44E-04	1.86E-02	9.46E-03	1.58E-08	1.08E-06	3.92E-06	9.47E-03
5710	486901.41	3856780.72	2.12E-02	1.97E-08	1.14E-06	3.60E-06	2.12E-02	1.01E-02	8.70E-03	8.57E-05	1.32E-04	1.90E-02	9.61E-03	1.63E-08	1.14E-06	3.60E-06	9.61E-03
5711	486969.38	3856841.24	2.14E-02	2.02E-08	1.22E-06	3.32E-06	2.14E-02	1.02E-02	8.87E-03	9.13E-05	1.22E-04	1.92E-02	9.66E-03	1.66E-08	1.22E-06	3.32E-06	9.67E-03
5712	487037.34	3856901.75	2.13E-02	2.05E-08	1.30E-06	3.09E-06	2.13E-02	1.01E-02	9.02E-03	9.78E-05	1.13E-04	1.94E-02	9.63E-03	1.69E-08	1.30E-06	3.09E-06	9.63E-03
5713	487271.23	3856855.51	1.21E-02	1.88E-08	1.47E-06	2.99E-06	1.21E-02	5.74E-03	8.28E-03	1.10E-04	1.10E-04	1.42E-02	5.46E-03	1.55E-08	1.47E-06	2.99E-06	5.47E-03
5714	487368.96	3856857.29	1.05E-02	1.84E-08	1.61E-06	2.92E-06	1.05E-02	5.00E-03	8.09E-03	1.20E-04	1.07E-04	1.33E-02	4.76E-03	1.52E-08	1.61E-06	2.92E-06	4.76E-03
5715	487466.68	3856859.06	9.24E-03	1.80E-08	1.77E-06	2.85E-06	9.25E-03	4.39E-03	7.94E-03	1.32E-04	1.04E-04	1.26E-02	4.18E-03	1.49E-08	1.77E-06	2.85E-06	4.19E-03
5716	487636.44	3856930	7.50E-03	1.79E-08	2.19E-06	2.64E-06	7.50E-03	3.57E-03	7.88E-03	1.64E-04	9.68E-05	1.17E-02	3.39E-03	1.48E-08	2.19E-06	2.64E-06	3.40E-03
5717	487709.57	3856928.43	6.87E-03	1.77E-08	2.37E-06	2.61E-06	6.87E-03	3.26E-03	7.78E-03	1.77E-04	9.58E-05	1.13E-02	3.11E-03	1.46E-08	2.37E-06	2.61E-06	3.11E-03
5718	487782.54	3856841.96	6.44E-03	1.67E-08	2.34E-06	2.69E-06	6.45E-03	3.06E-03	7.36E-03	1.76E-04	9.85E-05	1.07E-02	2.92E-03	1.38E-08	2.34E-06	2.69E-06	2.92E-03
5719	487849.83	3856754.74	5.99E-03	1.58E-08	2.16E-06	2.76E-06	6.00E-03	2.85E-03	6.97E-03	1.62E-04	1.01E-04	1.01E-02	2.71E-03	1.31E-08	2.16E-06	2.76E-06	2.72E-03
5720	487918.03	3856819.39	5.67E-03	1.62E-08	2.21E-06	2.64E-06	5.67E-03	2.70E-03	7.15E-03	1.66E-04	9.70E-05	1.01E-02	2.56E-03	1.34E-08	2.21E-06	2.64E-06	2.57E-03
5721	487918.8	3856886.37	5.59E-03	1.68E-08	2.38E-06	2.57E-06	5.60E-03	2.66E-03	7.38E-03	1.79E-04	9.44E-05	1.03E-02	2.53E-03	1.38E-08	2.38E-06	2.57E-06	2.54E-03
5722	488065.47	3857127.5	3.99E-03	1.76E-08	2.95E-06	2.38E-06	4.00E-03	1.90E-03	7.77E-03	2.21E-04	8.74E-05	9.97E-03	1.81E-03	1.46E-08	2.95E-06	2.38E-06	1.81E-03
5723	488192.19	3857385.83	2.46E-03	1.93E-08	4.78E-06	2.49E-06	2.46E-03	1.17E-03	8.49E-03	3.59E-04	9.14E-05	1.01E-02	1.11E-03	1.59E-08	4.78E-06	2.49E-06	1.12E-03
5724	488191.22	3857473.87	2.10E-03	2.02E-08	5.94E-06	2.63E-06	2.11E-03	9.99E-04	8.89E-03	4.46E-04	9.63E-05	1.04E-02	9.50E-04	1.67E-08	5.94E-06	2.63E-06	9.59E-04
5725	488190.24	3857561.9	1.79E-03	2.12E-08	7.64E-06	2.81E-06	1.80E-03	8.53E-04	9.33E-03	5.73E-04	1.03E-04	1.09E-02	8.11E-04	1.75E-08	7.64E-06	2.81E-06	8.22E-04
5726	488158.35	3857691.13	1.43E-03	2.29E-08	1.19E-05	3.18E-06	1.44E-03	6.80E-04	1.01E-02	8.90E-04	1.16E-04	1.18E-02	6.47E-04	1.89E-08	1.19E-05	3.18E-06	6.62E-04
5727	488208.37	3857816.66	1.16E-03	2.47E-08	3.67E-05	3.63E-06	1.20E-03	5.50E-04	1.09E-02	2.75E-03	1.33E-04	1.43E-02	5.23E-04	2.04E-08	3.67E-05	3.63E-06	5.63E-04
5728	488271.97	3857874.6	1.06E-03	2.55E-08	1.67E-04	3.87E-06	1.23E-03	5.03E-04	1.12E-02	1.25E-02	1.42E-04	2.44E-02	4.78E-04	2.11E-08	1.67E-04	3.87E-06	6.49E-04
5729	488463.56	3857942.31	9.63E-04	2.60E-08	2.64E-04	4.12E-06	1.23E-03	4.58E-04	1.14E-02	1.98E-02	1.51E-04	3.18E-02	4.36E-04	2.15E-08	2.64E-04	4.12E-06	7.03E-04
5730	488554.83	3857940.83	9.70E-04	2.54E-08	2.03E-04	4.06E-06	1.18E-03	4.61E-04	1.12E-02	1.52E-02	1.49E-04	2.70E-02	4.39E-04	2.10E-08	2.03E-04	4.06E-06	6.46E-04

5731	488646.1	3857939.36	9.76E-04	2.49E-08	1.59E-04	4.00E-06	1.14E-03	4.64E-04	1.10E-02	1.19E-02	1.47E-04	2.35E-02	4.42E-04	2.05E-08	1.59E-04	4.00E-06	6.05E-04
5732	488737.37	3857937.88	9.81E-04	2.43E-08	1.28E-04	3.94E-06	1.11E-03	4.66E-04	1.07E-02	9.58E-03	1.44E-04	2.09E-02	4.44E-04	2.01E-08	1.28E-04	3.94E-06	5.75E-04
5733	488733.59	3857960.57	9.53E-04	2.47E-08	1.25E-04	4.03E-06	1.08E-03	4.53E-04	1.09E-02	9.36E-03	1.48E-04	2.08E-02	4.31E-04	2.04E-08	1.25E-04	4.03E-06	5.60E-04
5734	488638.09	3857961.57	9.47E-04	2.53E-08	1.58E-04	4.11E-06	1.11E-03	4.50E-04	1.11E-02	1.18E-02	1.51E-04	2.36E-02	4.29E-04	2.09E-08	1.58E-04	4.11E-06	5.91E-04
5735	488542.6	3857962.56	9.40E-04	2.59E-08	2.06E-04	4.18E-06	1.15E-03	4.47E-04	1.14E-02	1.55E-02	1.53E-04	2.75E-02	4.25E-04	2.14E-08	2.06E-04	4.18E-06	6.35E-04
5736	488447.1	3857963.56	9.33E-04	2.65E-08	2.77E-04	4.24E-06	1.21E-03	4.44E-04	1.17E-02	2.08E-02	1.56E-04	3.30E-02	4.22E-04	2.19E-08	2.77E-04	4.24E-06	7.03E-04
5737	488254.28	3857890.36	1.03E-03	2.59E-08	1.87E-04	3.96E-06	1.22E-03	4.91E-04	1.14E-02	1.40E-02	1.45E-04	2.61E-02	4.67E-04	2.14E-08	1.87E-04	3.96E-06	6.58E-04
5738	488191.69	3857833.06	1.13E-03	2.51E-08	3.74E-05	3.71E-06	1.17E-03	5.36E-04	1.10E-02	2.81E-03	1.36E-04	1.45E-02	5.10E-04	2.07E-08	3.74E-05	3.71E-06	5.51E-04
5739	488129.5	3857907.43	1.01E-03	2.69E-08	4.05E-05	4.12E-06	1.05E-03	4.80E-04	1.19E-02	3.03E-03	1.51E-04	1.55E-02	4.56E-04	2.22E-08	4.05E-05	4.12E-06	5.01E-04
5740	488196.47	3857968.73	9.28E-04	2.80E-08	3.60E-04	4.45E-06	1.29E-03	4.41E-04	1.23E-02	2.70E-02	1.63E-04	3.99E-02	4.20E-04	2.31E-08	3.60E-04	4.45E-06	7.84E-04
5741	488263.44	3858030.04	8.59E-04	2.90E-08	3.59E-04	4.79E-06	1.22E-03	4.09E-04	1.28E-02	2.70E-02	1.76E-04	4.03E-02	3.89E-04	2.39E-08	3.59E-04	4.79E-06	7.53E-04
5742	488400.64	3858132.9	7.61E-04	3.05E-08	9.42E-05	5.32E-06	8.60E-04	3.62E-04	1.35E-02	7.07E-03	1.95E-04	2.11E-02	3.44E-04	2.52E-08	9.42E-05	5.32E-06	4.44E-04
5743	488519.89	3858218.38	6.86E-04	3.23E-08	4.22E-05	5.59E-06	7.34E-04	3.26E-04	1.42E-02	3.17E-03	2.05E-04	1.79E-02	3.10E-04	2.67E-08	4.22E-05	5.59E-06	3.58E-04
5744	488647.97	3858214.99	6.85E-04	3.09E-08	4.15E-05	5.24E-06	7.32E-04	3.26E-04	1.36E-02	3.11E-03	1.92E-04	1.72E-02	3.10E-04	2.55E-08	4.15E-05	5.24E-06	3.57E-04
5745	488727.05	3858167.67	7.27E-04	2.90E-08	5.06E-05	4.86E-06	7.83E-04	3.46E-04	1.28E-02	3.80E-03	1.78E-04	1.71E-02	3.29E-04	2.40E-08	5.06E-05	4.86E-06	3.84E-04
5746	488806.12	3858120.35	7.78E-04	2.73E-08	5.89E-05	4.54E-06	8.41E-04	3.70E-04	1.20E-02	4.42E-03	1.67E-04	1.70E-02	3.52E-04	2.26E-08	5.89E-05	4.54E-06	4.15E-04
5747	488885.2	3858073.03	8.32E-04	2.58E-08	6.49E-05	4.27E-06	9.01E-04	3.96E-04	1.14E-02	4.87E-03	1.57E-04	1.68E-02	3.77E-04	2.13E-08	6.49E-05	4.27E-06	4.46E-04
5748	489055.76	3857991.17	9.24E-04	2.33E-08	6.35E-05	3.85E-06	9.91E-04	4.39E-04	1.03E-02	4.76E-03	1.41E-04	1.56E-02	4.18E-04	1.93E-08	6.35E-05	3.85E-06	4.85E-04
5749	489245.39	3857944.54	9.67E-04	2.14E-08	5.22E-05	3.58E-06	1.02E-03	4.60E-04	9.44E-03	3.92E-03	1.31E-04	1.39E-02	4.38E-04	1.77E-08	5.22E-05	3.58E-06	4.93E-04
5750	489430.63	3857930.91	9.65E-04	2.03E-08	4.26E-05	3.43E-06	1.01E-03	4.59E-04	8.95E-03	3.19E-03	1.26E-04	1.27E-02	4.36E-04	1.68E-08	4.26E-05	3.43E-06	4.82E-04
5751	489517.74	3857929.36	9.57E-04	1.99E-08	3.89E-05	3.38E-06	1.00E-03	4.55E-04	8.76E-03	2.92E-03	1.24E-04	1.23E-02	4.33E-04	1.64E-08	3.89E-05	3.38E-06	4.75E-04
5752	489604.85	3857927.82	9.49E-04	1.95E-08	3.58E-05	3.34E-06	9.89E-04	4.51E-04	8.57E-03	2.69E-03	1.22E-04	1.18E-02	4.30E-04	1.61E-08	3.58E-05	3.34E-06	4.69E-04
5753	489691.97	3857926.28	9.40E-04	1.91E-08	3.32E-05	3.30E-06	9.76E-04	4.47E-04	8.41E-03	2.49E-03	1.21E-04	1.15E-02	4.25E-04	1.58E-08	3.32E-05	3.30E-06	4.62E-04
5754	489779.08	3857924.73	9.30E-04	1.87E-08	3.09E-05	3.27E-06	9.64E-04	4.42E-04	8.25E-03	2.32E-03	1.20E-04	1.11E-02	4.21E-04	1.55E-08	3.09E-05	3.27E-06	4.55E-04
5755	490017.54	3857875.08	9.35E-04	1.72E-08	2.70E-05	3.14E-06	9.65E-04	4.44E-04	7.59E-03	2.02E-03	1.15E-04	1.02E-02	4.23E-04	1.42E-08	2.70E-05	3.14E-06	4.53E-04
5756	490033.82	3857960.81	8.71E-04	1.82E-08	2.47E-05	3.28E-06	8.99E-04	4.14E-04	8.00E-03	1.86E-03	1.20E-04	1.04E-02	3.94E-04	1.50E-08	2.47E-05	3.28E-06	4.22E-04
5757	489959.15	3857987.49	8.60E-04	1.89E-08	2.53E-05	3.34E-06	8.89E-04	4.09E-04	8.31E-03	1.89E-03	1.23E-04	1.07E-02	3.89E-04	1.56E-08	2.53E-05	3.34E-06	4.18E-04
5758	489791.49	3858016.12	8.62E-04	1.97E-08	2.73E-05	3.43E-06	8.93E-04	4.10E-04	8.67E-03	2.05E-03	1.26E-04	1.13E-02	3.90E-04	1.63E-08	2.73E-05	3.43E-06	4.21E-04
5759	489698.51	3858018.07	8.69E-04	2.01E-08	2.93E-05	3.47E-06	9.02E-04	4.13E-04	8.87E-03	2.20E-03	1.27E-04	1.16E-02	3.93E-04	1.66E-08	2.93E-05	3.47E-06	4.26E-04
5760	489605.52	3858020.02	8.75E-04	2.06E-08	3.16E-05	3.51E-06	9.11E-04	4.16E-04	9.08E-03	2.37E-03	1.29E-04	1.20E-02	3.96E-04	1.70E-08	3.16E-05	3.51E-06	4.31E-04
5761	489512.53	3858021.96	8.81E-04	2.11E-08	3.43E-05	3.56E-06	9.18E-04	4.19E-04	9.29E-03	2.57E-03	1.31E-04	1.24E-02	3.98E-04	1.74E-08	3.43E-05	3.56E-06	4.36E-04
5762	489419.55	3858023.91	8.84E-04	2.17E-08	3.75E-05	3.62E-06	9.25E-04	4.20E-04	9.54E-03	2.81E-03	1.33E-04	1.29E-02	4.00E-04	1.79E-08	3.75E-05	3.62E-06	4.41E-04
5763	489228.47	3858041.29	8.79E-04	2.28E-08	4.45E-05	3.80E-06	9.27E-04	4.18E-04	1.00E-02	3.33E-03	1.39E-04	1.39E-02	3.98E-04	1.88E-08	4.45E-05	3.80E-06	4.46E-04
5764	489065.75	3858085.78	8.32E-04	2.47E-08	4.82E-05	4.09E-06	8.84E-04	3.96E-04	1.09E-02	3.61E-03	1.50E-04	1.50E-02	3.76E-04	2.04E-08	4.82E-05	4.09E-06	4.29E-04
5765	489001.12	3858114.86	8.01E-04	2.56E-08	4.71E-05	4.25E-06	8.52E-04	3.81E-04	1.13E-02	3.53E-03	1.56E-04	1.54E-02	3.62E-04	2.12E-08	4.71E-05	4.25E-06	4.14E-04
5766	488861.89	3858189.81	7.22E-04	2.81E-08	3.98E-05	4.69E-06	7.66E-04	3.43E-04	1.24E-02	2.98E-03	1.72E-04	1.59E-02	3.26E-04	2.32E-08	3.98E-05	4.69E-06	3.71E-04
5767	488787.28	3858235.69	6.76E-04	2.99E-08	3.38E-05	5.01E-06	7.15E-04	3.22E-04	1.32E-02	2.54E-03	1.84E-04	1.62E-02	3.06E-04	2.47E-08	3.38E-05	5.01E-06	3.45E-04
5768	488712.68	3858281.57	6.43E-04	3.17E-08	2.77E-05	5.38E-06	6.76E-04	3.06E-04	1.40E-02	2.08E-03	1.97E-04	1.65E-02	2.91E-04	2.62E-08	2.77E-05	5.38E-06	3.24E-04
5769	488654.39	3858436.17	5.68E-04	3.71E-08	9.88E-06	6.33E-06	5.84E-04	2.70E-04	1.63E-02	7.41E-04	2.32E-04	1.76E-02	2.57E-04	3.06E-08	9.88E-06	6.33E-06	2.73E-04
5770	488726.3	3858505.26	5.37E-04	3.86E-08	7.52E-06	6.35E-06	5.51E-04	2.55E-04	1.70E-02	5.64E-04	2.33E-04	1.80E-02	2.43E-04	3.19E-08	7.52E-06	6.35E-06	2.57E-04
5771	488880.6	3858599.28	4.96E-04	4.13E-08	5.99E-06	6.16E-06	5.09E-04	2.36E-04	1.82E-02	4.49E-04	2.26E-04	1.91E-02	2.25E-04	3.41E-08	5.99E-06	6.16E-06	2.37E-04
5772	489008.06	3858714.75	4.57E-04	4.78E-08	4.46E-06	6.42E-06	4.68E-04	2.17E-04	2.10E-02	3.34E-04	2.35E-04	2.18E-02	2.07E-04	3.95E-08	4.46E-06	6.42E-06	2.18E-04
5773	489071.48	3858772.72	4.39E-04	5.14E-08	3.94E-06	6.64E-06	4.50E-04	2.09E-04	2.27E-02	2.96E-04	2.43E-04	2.34E-02	1.99E-04	4.25E-08	3.94E-06	6.64E-06	2.09E-04
5774	489244.59	3858920.19	3.98E-04	5.87E-08	3.07E-06	7.57E-06	4.09E-04	1.89E-04	2.58E-02	2.30E-04	2.78E-04	2.65E-02	1.80E-04	4.85E-08	3.07E-06	7.57E-06	1.91E-04
5775	489239.69	3858952.23	3.92E-04	6.16E-08	2.84E-06	7.88E-06	4.03E-04	1.87E-04	2.71E-02	2.13E-04	2.89E-04	2.78E-02	1.78E-04	5.09E-08	2.84E-06	7.88E-06	1.88E-04
5776	489121.67	3858854.49	4.18E-04	5.80E-08	3.27E-06	7.20E-06	4.29E-04	1.99E-04	2.56E-02	2.46E-04	2.64E-04	2.63E-02	1.89E-04	4.79E-08	3.27E-06	7.20E-06	2.00E-04
5777	489059.59	3858797.27	4.34E-04	5.43E-08	3.62E-06	6.83E-06	4.45E-04	2.07E-04	2.39E-02	2.72E-04	2.51E-04	2.46E-02	1.97E-04	4.49E-08	3.62E-06	6.83E-06	2.07E-04
5778	488997.52	3858740.04	4.52E-04	5.02E-08	4.06E-06	6.58E-06	4.62E-04	2.15E-04	2.21E-02	3.05E-04	2.41E-04	2.29E-02	2.04E-04	4.15E-08	4.06E-06	6.58E-06	2.15E-04
5779	488935.44	3858682.82	4.70E-04	4.64E-08	4.61E-06	6.39E-06	4.81E-04	2.23E-04	2.04E-02	3.46E-04	2.34E-04	2.12E-02	2.13E-04	3.83E-08	4.61E-06	6.39E-06	2.24E-04
5780	488869.17	3858848.43	4.32E-04	7.02E-08	2.60E-06	7.67E-06	4.43E-04	2.05E-04	3.09E-02	1.95E-04	2.81E-04	3.16E-02	1.96E-04	5.80E-08	2.60E-06	7.67E-06	2.06E-04
5781	488932.48	3858892.69	4.19E-04	7.43E-08	2.49E-06	7.93E-06	4.30E-04	1.99E-04	3.27E-02	1.86E-04	2.91E-04	3.34E-02	1.90E-04	6.14E-08	2.49E-06	7.93E-06	2.00E-04
5782	489063.27	3858977.17	3.97E-04	7.63E-08	2.33E-06	8.62E-06	4.08E-04	1.89E-04	3.36E-02	1.75E-04	3.16E-04	3.43E-02	1.80E-04	6.30E-08	2.33E-06	8.62E-06	1.91E-04
5783	489248.2	3859117.15	3.64E-04	7.12E-08	2.07E-06	9.68E-06	3.76E-04	1.73E-04	3.13E-02	1.55E-04	3.55E-04	3.20E-02	1.65E-04	5.88E-08	2.07E-06	9.68E-06	1.76E-04
5784	489296.25	3859049.22	3.72E-04	6.50E-08	2.42E-06	8.67E-06	3.83E-04	1.77E-04	2.86E-02	1.81E-04	3.18E-04	2.93E-02	1.68E-04	5.37E-08	2.42E-06	8.67E-06	1.80E-04
5785	489353.38	3858993.96	3.79E-04	5.87E-08	2.80E-06	7.93E-06	3.89E-04	1.80E-04	2.59E-02	2.10E-04	2.91E-04	2.66E-02	1.71E-04	4.85E-08	2.80E-06	7.93E-06	1.82E-04
5786	489537.24	3859120.22	3.49E-04	5.53E-08	2.45E-06	8.47E-06	3.60E-04	1.66E-04	2.44E-02	1.84E-04	3.11E-04	2.50E-02	1.58E-04	4.57E-08	2.45E-06	8.47E-06	1.69E-04
5787	489726.98	3859246.04	3.22E-04	5.02E-08	2.18E-06	8.44E-06	3.32E-04	1.53E-04	2.21E-02	1.63E-04	3.09E-04	2.27E-02	1.46E-04	4.14E-08	2.18E-06	8.44E-06	1.56E-04
5788	489911.46	3859366.33	3.00E-04	4.47E-08	1.99E-06	7.92E-06	3.09E-04	1.42E-04	1.97E-02	1.49E-04	2.90E-04	2.03E-02	1.36E-04	3.69E-08	1.99E-06	7.92E-06	1.45E-04
5789	490035.3	3859430.26	2.86E-04	4.21E-08	1.88E-06	7.51E-06	2.96E-04	1.36E-04	1.85E-02	1.41E-04	2.76E-04	1.91E-02	1.29E-04	3.48E-08	1.88E-06	7.51E-06	1.39E-04
5790	490101.11	3859458.61	2.81E-04	4.06E-08	1.86E-06	7.26E-06	2.90E-04	1.34E-04	1.79E-02	1.39E-04	2.66E-04	1.84E-02	1.27E-04	3.36E-08	1.86E-06	7.26E-06	1.36E-04
5791	490312.68	3859560.3	2.64E-04	3.67E-08	1.75E-06	6.40E-06	2.72E-04	1.25E-04	1.62E-02	1.31E-04	2.35E-04	1.67E-02	1.19E-04	3.03E-08	1.75E-06	6.40E-06	1.27E-04

5792	490401.63	3859603.12	2.57E-04	3.53E-08	1.71E-06	6.02E-06	2.65E-04	1.22E-04	1.55E-02	1.28E-04	2.21E-04	1.60E-02	1.16E-04	2.91E-08	1.71E-06	6.02E-06	1.24E-04
5793	490490.57	3859645.94	2.52E-04	3.39E-08	1.67E-06	5.65E-06	2.59E-04	1.20E-04	1.49E-02	1.26E-04	2.07E-04	1.54E-02	1.14E-04	2.80E-08	1.67E-06	5.65E-06	1.21E-04
5794	490579.51	3859688.76	2.46E-04	3.25E-08	1.64E-06	5.28E-06	2.53E-04	1.17E-04	1.43E-02	1.23E-04	1.94E-04	1.48E-02	1.11E-04	2.69E-08	1.64E-06	5.28E-06	1.18E-04
5795	490668.45	3859731.58	2.42E-04	3.11E-08	1.63E-06	4.94E-06	2.48E-04	1.15E-04	1.37E-02	1.22E-04	1.81E-04	1.41E-02	1.09E-04	2.57E-08	1.63E-06	4.94E-06	1.16E-04
5796	490757.4	3859774.4	2.36E-04	3.01E-08	1.59E-06	4.63E-06	2.42E-04	1.12E-04	1.32E-02	1.19E-04	1.70E-04	1.36E-02	1.07E-04	2.48E-08	1.59E-06	4.63E-06	1.13E-04
5797	491003.53	3859861.82	2.26E-04	2.72E-08	1.54E-06	3.96E-06	2.31E-04	1.07E-04	1.20E-02	1.15E-04	1.45E-04	1.23E-02	1.02E-04	2.24E-08	1.54E-06	3.96E-06	1.08E-04
5798	491081.41	3859879.05	2.24E-04	2.64E-08	1.53E-06	3.80E-06	2.29E-04	1.06E-04	1.16E-02	1.15E-04	1.39E-04	1.20E-02	1.01E-04	2.18E-08	1.53E-06	3.80E-06	1.07E-04
5799	491229.76	3859917.82	2.19E-04	2.50E-08	1.50E-06	3.52E-06	2.24E-04	1.04E-04	1.10E-02	1.13E-04	1.29E-04	1.13E-02	9.92E-05	2.06E-08	1.50E-06	3.52E-06	1.04E-04
5800	491300.22	3859939.35	2.17E-04	2.43E-08	1.48E-06	3.40E-06	2.22E-04	1.03E-04	1.07E-02	1.11E-04	1.25E-04	1.11E-02	9.80E-05	2.01E-08	1.48E-06	3.40E-06	1.03E-04
5801	491350.48	3860012.03	2.07E-04	2.36E-08	1.38E-06	3.21E-06	2.12E-04	9.86E-05	1.04E-02	1.04E-04	1.18E-04	1.07E-02	9.38E-05	1.95E-08	1.38E-06	3.21E-06	9.84E-05
5802	491406.82	3860092.56	1.99E-04	2.27E-08	1.30E-06	3.00E-06	2.03E-04	9.45E-05	9.99E-03	9.76E-05	1.10E-04	1.03E-02	8.99E-05	1.87E-08	1.30E-06	3.00E-06	9.42E-05
5803	491483.36	3860121.96	1.96E-04	2.19E-08	1.29E-06	2.86E-06	2.00E-04	9.33E-05	9.64E-03	9.66E-05	1.05E-04	9.93E-03	8.88E-05	1.81E-08	1.29E-06	2.86E-06	9.30E-05
5804	491559.91	3860151.35	1.94E-04	2.11E-08	1.27E-06	2.74E-06	1.98E-04	9.21E-05	9.29E-03	9.55E-05	1.00E-04	9.58E-03	8.76E-05	1.74E-08	1.27E-06	2.74E-06	9.17E-05
5805	491711.81	3860237.76	1.91E-04	1.92E-08	1.29E-06	2.41E-06	1.95E-04	9.08E-05	8.44E-03	9.68E-05	8.84E-05	8.71E-03	8.64E-05	1.58E-08	1.29E-06	2.41E-06	9.01E-05
5806	491755.2	3860319.07	1.78E-04	1.85E-08	1.15E-06	2.23E-06	1.82E-04	8.49E-05	8.13E-03	8.62E-05	8.19E-05	8.38E-03	8.07E-05	1.53E-08	1.15E-06	2.23E-06	8.41E-05
5807	491704.71	3860366.54	1.75E-04	1.84E-08	1.10E-06	2.17E-06	1.78E-04	8.32E-05	8.09E-03	8.29E-05	7.94E-05	8.33E-03	7.91E-05	1.52E-08	1.10E-06	2.17E-06	8.24E-05
5808	491623.42	3860462.39	1.68E-04	1.79E-08	1.02E-06	2.01E-06	1.71E-04	8.00E-05	7.89E-03	7.67E-05	7.36E-05	8.12E-03	7.61E-05	1.48E-08	1.02E-06	2.01E-06	7.92E-05
5809	491534.02	3860439.85	1.76E-04	1.86E-08	1.08E-06	2.12E-06	1.79E-04	8.34E-05	8.21E-03	8.11E-05	7.76E-05	8.45E-03	7.94E-05	1.54E-08	1.08E-06	2.12E-06	8.26E-05
5810	491313.95	3860268.17	1.82E-04	2.18E-08	1.11E-06	2.59E-06	1.86E-04	8.66E-05	9.62E-03	8.32E-05	9.48E-05	9.88E-03	8.24E-05	1.80E-08	1.11E-06	2.59E-06	8.61E-05
5811	491187.12	3860143.56	1.94E-04	2.42E-08	1.20E-06	3.07E-06	1.98E-04	9.22E-05	1.07E-02	9.01E-05	1.12E-04	1.09E-02	8.78E-05	2.00E-08	1.20E-06	3.07E-06	9.20E-05
5812	491070.43	3860075.97	2.01E-04	2.59E-08	1.25E-06	3.40E-06	2.06E-04	9.58E-05	1.14E-02	9.38E-05	1.25E-04	1.17E-02	9.11E-05	2.14E-08	1.25E-06	3.40E-06	9.58E-05
5813	490995.09	3860039.38	2.05E-04	2.69E-08	1.27E-06	3.60E-06	2.10E-04	9.77E-05	1.18E-02	9.56E-05	1.32E-04	1.22E-02	9.29E-05	2.22E-08	1.27E-06	3.60E-06	9.78E-05
5814	490919.75	3860002.8	2.10E-04	2.79E-08	1.30E-06	3.80E-06	2.15E-04	9.97E-05	1.23E-02	9.76E-05	1.39E-04	1.26E-02	9.49E-05	2.31E-08	1.30E-06	3.80E-06	1.00E-04
5815	490756.81	3859894.53	2.23E-04	3.01E-08	1.40E-06	4.34E-06	2.29E-04	1.06E-04	1.33E-02	1.05E-04	1.59E-04	1.36E-02	1.01E-04	2.49E-08	1.40E-06	4.34E-06	1.07E-04
5816	490668.07	3859860.92	2.27E-04	3.14E-08	1.42E-06	4.63E-06	2.33E-04	1.08E-04	1.38E-02	1.06E-04	1.70E-04	1.42E-02	1.03E-04	2.59E-08	1.42E-06	4.63E-06	1.09E-04
5817	490579.34	3859827.3	2.31E-04	3.26E-08	1.44E-06	4.94E-06	2.38E-04	1.10E-04	1.44E-02	1.08E-04	1.81E-04	1.48E-02	1.05E-04	2.70E-08	1.44E-06	4.94E-06	1.11E-04
5818	490490.6	3859793.68	2.35E-04	3.40E-08	1.45E-06	5.29E-06	2.42E-04	1.12E-04	1.50E-02	1.09E-04	1.94E-04	1.54E-02	1.07E-04	2.81E-08	1.45E-06	5.29E-06	1.13E-04
5819	490401.86	3859760.07	2.40E-04	3.54E-08	1.46E-06	5.67E-06	2.47E-04	1.14E-04	1.56E-02	1.10E-04	2.08E-04	1.60E-02	1.09E-04	2.92E-08	1.46E-06	5.67E-06	1.16E-04
5820	490313.12	3859726.45	2.46E-04	3.68E-08	1.48E-06	6.08E-06	2.53E-04	1.17E-04	1.62E-02	1.11E-04	2.23E-04	1.67E-02	1.11E-04	3.04E-08	1.48E-06	6.08E-06	1.19E-04
5821	490224.39	3859692.83	2.52E-04	3.82E-08	1.50E-06	6.53E-06	2.60E-04	1.20E-04	1.68E-02	1.13E-04	2.39E-04	1.73E-02	1.14E-04	3.16E-08	1.50E-06	6.53E-06	1.22E-04
5822	490135.65	3859659.22	2.58E-04	3.96E-08	1.53E-06	7.01E-06	2.67E-04	1.23E-04	1.75E-02	1.15E-04	2.57E-04	1.80E-02	1.17E-04	3.27E-08	1.53E-06	7.01E-06	1.25E-04
5823	489918.18	3859559.23	2.78E-04	4.40E-08	1.61E-06	8.32E-06	2.88E-04	1.32E-04	1.94E-02	1.20E-04	3.05E-04	1.99E-02	1.26E-04	3.64E-08	1.61E-06	8.32E-06	1.36E-04
5824	489743.61	3859486	2.93E-04	4.90E-08	1.63E-06	9.37E-06	3.04E-04	1.39E-04	2.16E-02	1.23E-04	3.43E-04	2.22E-02	1.32E-04	4.05E-08	1.63E-06	9.37E-06	1.43E-04
5825	489660.32	3859440.27	3.01E-04	5.21E-08	1.66E-06	9.78E-06	3.13E-04	1.43E-04	2.30E-02	1.24E-04	3.59E-04	2.36E-02	1.36E-04	4.31E-08	1.66E-06	9.78E-06	1.48E-04
5826	489577.04	3859394.53	3.10E-04	5.57E-08	1.68E-06	1.02E-05	3.22E-04	1.47E-04	2.45E-02	1.26E-04	3.73E-04	2.52E-02	1.40E-04	4.60E-08	1.68E-06	1.02E-05	1.52E-04
5827	489493.75	3859348.8	3.19E-04	5.99E-08	1.70E-06	1.05E-05	3.31E-04	1.52E-04	2.64E-02	1.28E-04	3.86E-04	2.71E-02	1.44E-04	4.95E-08	1.70E-06	1.05E-05	1.56E-04
5828	489321.28	3859240.02	3.40E-04	6.97E-08	1.78E-06	1.09E-05	3.53E-04	1.62E-04	3.07E-02	1.34E-04	3.99E-04	3.14E-02	1.54E-04	5.76E-08	1.78E-06	1.09E-05	1.67E-04
5829	489235.41	3859193.96	3.51E-04	7.46E-08	1.81E-06	1.08E-05	3.64E-04	1.67E-04	3.29E-02	1.36E-04	3.97E-04	3.36E-02	1.59E-04	6.16E-08	1.81E-06	1.08E-05	1.72E-04
5830	489149.54	3859147.89	3.60E-04	8.15E-08	1.82E-06	1.07E-05	3.73E-04	1.71E-04	3.59E-02	1.37E-04	3.91E-04	3.66E-02	1.63E-04	6.73E-08	1.82E-06	1.07E-05	1.76E-04
5831	489063.68	3859101.82	3.71E-04	8.80E-08	1.85E-06	1.04E-05	3.83E-04	1.76E-04	3.88E-02	1.39E-04	3.81E-04	3.94E-02	1.68E-04	7.27E-08	1.85E-06	1.04E-05	1.80E-04
5832	488977.81	3859055.75	3.82E-04	9.53E-08	1.89E-06	9.98E-06	3.94E-04	1.82E-04	4.20E-02	1.42E-04	3.66E-04	4.26E-02	1.73E-04	7.87E-08	1.89E-06	9.98E-06	1.85E-04
5833	488891.94	3859009.69	3.91E-04	1.07E-07	1.92E-06	9.46E-06	4.03E-04	1.86E-04	4.70E-02	1.44E-04	3.47E-04	4.77E-02	1.77E-04	8.81E-08	1.92E-06	9.46E-06	1.88E-04
5834	488808	3859060.73	3.76E-04	1.41E-07	1.69E-06	1.04E-05	3.88E-04	1.79E-04	6.21E-02	1.27E-04	3.83E-04	6.28E-02	1.70E-04	1.16E-07	1.69E-06	1.04E-05	1.82E-04
5835	488809.93	3859157.85	3.51E-04	1.48E-07	1.48E-06	1.30E-05	3.65E-04	1.67E-04	6.51E-02	1.11E-04	4.76E-04	6.59E-02	1.59E-04	1.22E-07	1.48E-06	1.30E-05	1.73E-04
5836	488811.85	3859254.96	3.27E-04	1.53E-07	1.31E-06	1.60E-05	3.45E-04	1.56E-04	6.76E-02	9.80E-05	5.86E-04	6.84E-02	1.48E-04	1.27E-07	1.31E-06	1.60E-05	1.65E-04
5837	488813.78	3859352.07	3.07E-04	1.57E-07	1.16E-06	1.74E-05	3.25E-04	1.46E-04	6.92E-02	8.71E-05	6.38E-04	7.01E-02	1.39E-04	1.30E-07	1.16E-06	1.74E-05	1.57E-04
5838	488815.71	3859449.19	2.89E-04	1.57E-07	1.04E-06	1.92E-05	3.09E-04	1.37E-04	6.90E-02	7.83E-05	7.03E-04	6.99E-02	1.31E-04	1.29E-07	1.04E-06	1.92E-05	1.51E-04
5839	488910.04	3859547.1	2.74E-04	1.03E-07	1.01E-06	2.31E-05	2.98E-04	1.30E-04	4.52E-02	7.60E-05	8.46E-04	4.63E-02	1.24E-04	8.48E-08	1.01E-06	2.31E-05	1.48E-04
5840	489002.45	3859547.91	2.76E-04	8.86E-08	1.09E-06	2.09E-05	2.98E-04	1.31E-04	3.90E-02	8.19E-05	7.66E-04	4.00E-02	1.25E-04	7.32E-08	1.09E-06	2.09E-05	1.47E-04
5841	489094.85	3859548.71	2.79E-04	7.85E-08	1.17E-06	1.87E-05	2.99E-04	1.33E-04	3.46E-02	8.77E-05	6.86E-04	3.55E-02	1.26E-04	6.48E-08	1.17E-06	1.87E-05	1.46E-04
5842	489230.05	3859601.87	2.74E-04	6.60E-08	1.20E-06	1.65E-05	2.92E-04	1.30E-04	2.91E-02	9.01E-05	6.06E-04	2.99E-02	1.24E-04	5.45E-08	1.20E-06	1.65E-05	1.42E-04
5843	489227.52	3859680.89	2.61E-04	6.29E-08	1.13E-06	1.68E-05	2.79E-04	1.24E-04	2.77E-02	8.47E-05	6.18E-04	2.85E-02	1.18E-04	5.19E-08	1.13E-06	1.68E-05	1.36E-04
5844	489133.47	3859760.29	2.47E-04	6.42E-08	9.91E-07	1.86E-05	2.67E-04	1.17E-04	2.83E-02	7.43E-05	6.83E-04	2.91E-02	1.12E-04	5.30E-08	9.91E-07	1.86E-05	1.31E-04
5845	489041.96	3859760.67	2.46E-04	6.76E-08	9.18E-07	2.16E-05	2.68E-04	1.17E-04	2.98E-02	6.88E-05	7.90E-04	3.08E-02	1.11E-04	5.59E-08	9.18E-07	2.16E-05	1.34E-04
5846	488950.45	3859761.05	2.44E-04	7.17E-08	8.52E-07	2.53E-05	2.71E-04	1.16E-04	3.16E-02	6.39E-05	9.29E-04	3.27E-02	1.11E-04	5.92E-08	8.52E-07	2.53E-05	1.37E-04
5847	488858.94	3859761.43	2.43E-04	7.65E-08	7.99E-07	3.04E-05	2.75E-04	1.16E-04	3.37E-02	6.00E-05	1.11E-03	3.50E-02	1.10E-04	6.31E-08	7.99E-07	3.04E-05	1.41E-04
5848	488767.43	3859761.82	2.42E-04	8.29E-08	7.56E-07	3.76E-05	2.80E-04	1.15E-04	3.65E-02	5.67E-05	1.38E-03	3.81E-02	1.09E-04	6.85E-08	7.56E-07	3.76E-05	1.48E-04
5849	488675.92	3859762.2	2.41E-04	9.16E-08	7.30E-07	4.84E-05	2.90E-04	1.14E-04	4.03E-02	5.47E-05	1.78E-03	4.23E-02	1.09E-04	7.56E-08	7.30E-07	4.84E-05	1.58E-04
5850	488584.41	3859762.58	2.39E-04	1.04E-07	7.25E-07	6.45E-05	3.04E-04	1.14E-04	4.59E-02	5.43E-05	2.36E-03	4.85E-02	1.08E-04	8.61E-08	7.25E-07	6.45E-05	1.73E-04
5851	488492.9	3859762.96	2.37E-04	1.25E-07	7.40E-07	8.06E-05	3.19E-04	1.13E-04	5.50E-02	5.55E-05	2.95E-03	5.81E-02	1.07E-04	1.03E-07	7.40E-07	8.06E-05	1.89E-04
5852	488402.76	3859830.95	2.27E-04	1.68E-07	7.52E-07	2.82E-05	2.56E-04	1.08E-04	7.39E-02	5.64E-05	1.03E-03	7.51E-02	1.03E-04	1.39E-07	7.52E-07	2.82E-05	1.32E-04

5853	488404.14	3859898.55	2.19E-04	1.68E-07	7.32E-07	1.49E-05	2.34E-04	1.04E-04	7.41E-02	5.49E-05	5.45E-04	7.48E-02	9.89E-05	1.39E-07	7.32E-07	1.49E-05	1.15E-04
5854	488505.18	3859964.96	2.14E-04	1.41E-07	6.79E-07	1.87E-05	2.33E-04	1.02E-04	6.22E-02	5.09E-05	6.87E-04	6.31E-02	9.67E-05	1.17E-07	6.79E-07	1.87E-05	1.16E-04
5855	488604.84	3859963.76	2.16E-04	1.27E-07	6.57E-07	2.18E-05	2.38E-04	1.03E-04	5.57E-02	4.93E-05	8.00E-04	5.67E-02	9.76E-05	1.05E-07	6.57E-07	2.18E-05	1.20E-04
5856	488704.51	3859962.56	2.18E-04	1.15E-07	6.52E-07	2.28E-05	2.41E-04	1.03E-04	5.05E-02	4.89E-05	8.35E-04	5.15E-02	9.84E-05	9.47E-08	6.52E-07	2.28E-05	1.22E-04
5857	488804.18	3859961.37	2.19E-04	1.02E-07	6.69E-07	2.21E-05	2.42E-04	1.04E-04	4.48E-02	5.02E-05	8.12E-04	4.57E-02	9.92E-05	8.39E-08	6.69E-07	2.21E-05	1.22E-04
5858	488903.85	3859960.17	2.21E-04	8.84E-08	7.04E-07	2.03E-05	2.42E-04	1.05E-04	3.90E-02	5.28E-05	7.45E-04	3.99E-02	9.99E-05	7.31E-08	7.04E-07	2.03E-05	1.21E-04
5859	489003.52	3859958.97	2.22E-04	7.87E-08	7.52E-07	1.82E-05	2.41E-04	1.05E-04	3.46E-02	5.64E-05	6.68E-04	3.55E-02	1.00E-04	6.50E-08	7.52E-07	1.82E-05	1.19E-04
5860	489103.18	3859957.77	2.23E-04	7.14E-08	8.11E-07	1.62E-05	2.40E-04	1.06E-04	3.14E-02	6.09E-05	5.94E-04	3.22E-02	1.01E-04	5.90E-08	8.11E-07	1.62E-05	1.18E-04
5861	489201.48	3860046.59	2.14E-04	7.00E-08	8.18E-07	1.28E-05	2.28E-04	1.02E-04	3.08E-02	6.14E-05	4.68E-04	3.14E-02	9.70E-05	5.78E-08	8.18E-07	1.28E-05	1.11E-04
5862	489200.11	3860136.61	2.05E-04	7.53E-08	7.58E-07	1.11E-05	2.17E-04	9.76E-05	3.31E-02	5.68E-05	4.08E-04	3.37E-02	9.29E-05	6.22E-08	7.58E-07	1.11E-05	1.05E-04
5863	489198.74	3860226.63	1.97E-04	9.00E-08	7.05E-07	9.81E-06	2.07E-04	9.36E-05	3.96E-02	5.29E-05	3.60E-04	4.02E-02	8.91E-05	7.44E-08	7.05E-07	9.81E-06	9.96E-05
5864	489197.38	3860316.65	1.89E-04	1.33E-07	6.57E-07	8.52E-06	1.98E-04	8.97E-05	5.84E-02	4.92E-05	3.12E-04	5.88E-02	8.53E-05	1.09E-07	6.57E-07	8.52E-06	9.46E-05
5865	489196.01	3860406.68	1.81E-04	1.39E-07	6.17E-07	6.92E-06	1.89E-04	8.62E-05	6.10E-02	4.62E-05	2.54E-04	6.14E-02	8.20E-05	1.14E-07	6.17E-07	6.92E-06	8.96E-05
5866	489194.64	3860496.7	1.74E-04	1.27E-07	5.78E-07	5.40E-06	1.80E-04	8.25E-05	5.58E-02	4.34E-05	1.98E-04	5.61E-02	7.85E-05	1.05E-07	5.78E-07	5.40E-06	8.46E-05
5867	489193.27	3860586.72	1.67E-04	8.26E-08	5.48E-07	4.15E-06	1.72E-04	7.94E-05	3.64E-02	4.11E-05	1.52E-04	3.66E-02	7.56E-05	6.82E-08	5.48E-07	4.15E-06	8.03E-05
5868	489092.02	3860678.13	1.60E-04	4.80E-08	4.99E-07	3.32E-06	1.64E-04	7.59E-05	2.11E-02	3.74E-05	1.22E-04	2.14E-02	7.22E-05	3.96E-08	4.99E-07	3.32E-06	7.61E-05
5869	488992.13	3860679.52	1.59E-04	4.88E-08	4.89E-07	3.42E-06	1.63E-04	7.54E-05	2.15E-02	3.67E-05	1.26E-04	2.17E-02	7.17E-05	4.03E-08	4.89E-07	3.42E-06	7.57E-05
5870	488892.24	3860680.92	1.57E-04	4.91E-08	4.91E-07	3.44E-06	1.61E-04	7.49E-05	2.16E-02	3.68E-05	1.26E-04	2.18E-02	7.12E-05	4.05E-08	4.91E-07	3.44E-06	7.52E-05
5871	488792.36	3860682.31	1.56E-04	4.86E-08	5.00E-07	3.34E-06	1.60E-04	7.42E-05	2.14E-02	3.75E-05	1.22E-04	2.16E-02	7.06E-05	4.01E-08	5.00E-07	3.34E-06	7.45E-05
5872	488692.47	3860683.7	1.55E-04	4.80E-08	5.16E-07	3.16E-06	1.58E-04	7.36E-05	2.11E-02	3.87E-05	1.16E-04	2.14E-02	7.00E-05	3.96E-08	5.16E-07	3.16E-06	7.37E-05
5873	488592.59	3860685.1	1.53E-04	4.63E-08	5.37E-07	2.99E-06	1.56E-04	7.26E-05	2.04E-02	4.02E-05	1.10E-04	2.06E-02	6.91E-05	3.83E-08	5.37E-07	2.99E-06	7.27E-05
5874	488492.71	3860686.49	1.52E-04	4.57E-08	5.72E-07	3.02E-06	1.56E-04	7.23E-05	2.01E-02	4.29E-05	1.11E-04	2.04E-02	6.88E-05	3.78E-08	5.72E-07	3.02E-06	7.24E-05
5875	488299.07	3860762.18	1.48E-04	3.20E-08	6.67E-07	2.41E-06	1.51E-04	7.05E-05	1.41E-02	5.00E-05	8.85E-05	1.43E-02	6.71E-05	2.64E-08	6.67E-07	2.41E-06	7.02E-05
5876	488205.32	3860764.09	1.47E-04	3.04E-08	7.02E-07	2.29E-06	1.50E-04	6.99E-05	1.34E-02	5.26E-05	8.39E-05	1.36E-02	6.65E-05	2.51E-08	7.02E-07	2.29E-06	6.95E-05
5877	488111.56	3860766	1.46E-04	2.82E-08	7.16E-07	2.14E-06	1.48E-04	6.92E-05	1.24E-02	5.37E-05	7.84E-05	1.26E-02	6.59E-05	2.33E-08	7.16E-07	2.14E-06	6.87E-05
5878	488017.81	3860767.91	1.44E-04	2.60E-08	7.10E-07	2.04E-06	1.47E-04	6.86E-05	1.14E-02	5.33E-05	7.49E-05	1.16E-02	6.53E-05	2.15E-08	7.10E-07	2.04E-06	6.81E-05
5879	487924.06	3860769.81	1.44E-04	2.40E-08	6.92E-07	1.94E-06	1.46E-04	6.83E-05	1.06E-02	5.19E-05	7.11E-05	1.08E-02	6.50E-05	1.99E-08	6.92E-07	1.94E-06	6.76E-05
5880	487830.31	3860771.72	1.43E-04	2.24E-08	6.67E-07	1.85E-06	1.46E-04	6.80E-05	9.86E-03	5.00E-05	6.77E-05	1.00E-02	6.47E-05	1.85E-08	6.67E-07	1.85E-06	6.73E-05
5881	487736.55	3860773.63	1.43E-04	2.10E-08	6.39E-07	1.73E-06	1.45E-04	6.78E-05	9.27E-03	4.79E-05	6.36E-05	9.45E-03	6.45E-05	1.74E-08	6.39E-07	1.73E-06	6.69E-05
5882	487642.8	3860775.54	1.43E-04	1.99E-08	6.09E-07	1.62E-06	1.45E-04	6.78E-05	8.76E-03	4.57E-05	5.95E-05	8.93E-03	6.45E-05	1.64E-08	6.09E-07	1.62E-06	6.67E-05
5883	487549.48	3860684.71	1.48E-04	2.17E-08	5.88E-07	1.69E-06	1.50E-04	7.01E-05	9.58E-03	4.41E-05	6.21E-05	9.75E-03	6.67E-05	1.80E-08	5.88E-07	1.69E-06	6.90E-05
5884	487549.91	3860591.97	1.52E-04	2.54E-08	5.94E-07	1.84E-06	1.55E-04	7.23E-05	1.12E-02	4.46E-05	6.76E-05	1.14E-02	6.88E-05	2.10E-08	5.94E-07	1.84E-06	7.13E-05
5885	487550.34	3860499.23	1.58E-04	2.96E-08	6.05E-07	2.05E-06	1.61E-04	7.50E-05	1.30E-02	4.54E-05	7.53E-05	1.32E-02	7.14E-05	2.44E-08	6.05E-07	2.05E-06	7.41E-05
5886	487550.76	3860406.49	1.64E-04	3.31E-08	6.16E-07	2.39E-06	1.67E-04	7.80E-05	1.46E-02	4.62E-05	8.75E-05	1.48E-02	7.43E-05	2.74E-08	6.16E-07	2.39E-06	7.73E-05
5887	487551.19	3860313.75	1.70E-04	3.56E-08	6.25E-07	2.75E-06	1.74E-04	8.10E-05	1.57E-02	4.69E-05	1.01E-04	1.59E-02	7.71E-05	2.94E-08	6.25E-07	2.75E-06	8.05E-05
5888	487551.62	3860221.01	1.77E-04	3.78E-08	6.35E-07	3.05E-06	1.81E-04	8.43E-05	1.66E-02	4.76E-05	1.12E-04	1.69E-02	8.02E-05	3.12E-08	6.35E-07	3.05E-06	8.39E-05
5889	487552.05	3860128.27	1.86E-04	4.05E-08	6.50E-07	3.31E-06	1.90E-04	8.83E-05	1.78E-02	4.87E-05	1.21E-04	1.81E-02	8.40E-05	3.35E-08	6.50E-07	3.31E-06	8.80E-05
5890	487552.48	3860035.53	1.94E-04	4.30E-08	6.65E-07	3.63E-06	1.99E-04	9.24E-05	1.89E-02	4.99E-05	1.33E-04	1.92E-02	8.79E-05	3.55E-08	6.65E-07	3.63E-06	9.23E-05
5891	487552.91	3859942.79	2.02E-04	4.46E-08	6.80E-07	3.98E-06	2.07E-04	9.61E-05	1.97E-02	5.10E-05	1.46E-04	1.99E-02	9.14E-05	3.69E-08	6.80E-07	3.98E-06	9.61E-05
5892	487553.33	3859850.05	2.12E-04	4.80E-08	7.01E-07	4.42E-06	2.17E-04	1.01E-04	2.11E-02	5.26E-05	1.62E-04	2.14E-02	9.60E-05	3.96E-08	7.01E-07	4.42E-06	1.01E-04
5893	487553.76	3859757.31	2.22E-04	5.19E-08	7.25E-07	4.90E-06	2.27E-04	1.05E-04	2.29E-02	5.43E-05	1.80E-04	2.32E-02	1.00E-04	4.29E-08	7.25E-07	4.90E-06	1.06E-04
5894	487554.19	3859664.57	2.32E-04	5.88E-08	7.53E-07	5.37E-06	2.38E-04	1.10E-04	2.59E-02	5.64E-05	1.97E-04	2.62E-02	1.05E-04	4.85E-08	7.53E-07	5.37E-06	1.11E-04
5895	487460.2	3859571.05	2.42E-04	6.75E-08	7.75E-07	4.98E-06	2.48E-04	1.15E-04	2.97E-02	5.81E-05	1.83E-04	3.01E-02	1.09E-04	5.57E-08	7.75E-07	4.98E-06	1.15E-04
5896	487365.78	3859570.27	2.40E-04	6.24E-08	7.81E-07	4.45E-06	2.46E-04	1.14E-04	2.75E-02	5.86E-05	1.63E-04	2.78E-02	1.09E-04	5.15E-08	7.81E-07	4.45E-06	1.14E-04
5897	487271.36	3859569.48	2.38E-04	5.79E-08	7.99E-07	4.09E-06	2.43E-04	1.13E-04	2.55E-02	6.00E-05	1.50E-04	2.58E-02	1.08E-04	4.79E-08	7.99E-07	4.09E-06	1.13E-04
5898	487176.94	3859568.7	2.36E-04	5.34E-08	8.15E-07	3.76E-06	2.41E-04	1.12E-04	2.35E-02	6.11E-05	1.38E-04	2.38E-02	1.07E-04	4.41E-08	8.15E-07	3.76E-06	1.11E-04
5899	487082.51	3859567.92	2.35E-04	4.90E-08	8.27E-07	3.50E-06	2.39E-04	1.12E-04	2.16E-02	6.20E-05	1.28E-04	2.19E-02	1.06E-04	4.05E-08	8.27E-07	3.50E-06	1.11E-04
5900	486988.09	3859567.14	2.34E-04	4.45E-08	8.47E-07	3.28E-06	2.38E-04	1.11E-04	1.96E-02	6.35E-05	1.20E-04	1.99E-02	1.06E-04	3.68E-08	8.47E-07	3.28E-06	1.10E-04
5901	486893.67	3859566.36	2.34E-04	4.03E-08	8.84E-07	3.04E-06	2.38E-04	1.11E-04	1.78E-02	6.63E-05	1.11E-04	1.80E-02	1.06E-04	3.33E-08	8.84E-07	3.04E-06	1.10E-04
5902	486799.25	3859565.58	2.35E-04	3.64E-08	9.29E-07	2.77E-06	2.38E-04	1.12E-04	1.60E-02	6.97E-05	1.02E-04	1.63E-02	1.06E-04	3.01E-08	9.29E-07	2.77E-06	1.10E-04
5903	486704.83	3859564.79	2.36E-04	3.30E-08	9.73E-07	2.56E-06	2.39E-04	1.12E-04	1.45E-02	7.30E-05	9.40E-05	1.48E-02	1.07E-04	2.73E-08	9.73E-07	2.56E-06	1.10E-04
5904	486610.41	3859564.01	2.37E-04	3.00E-08	1.01E-06	2.37E-06	2.40E-04	1.13E-04	1.32E-02	7.58E-05	8.71E-05	1.35E-02	1.07E-04	2.48E-08	1.01E-06	2.37E-06	1.11E-04
5905	486515.99	3859563.23	2.37E-04	2.73E-08	1.04E-06	2.20E-06	2.41E-04	1.13E-04	1.20E-02	7.80E-05	8.06E-05	1.23E-02	1.07E-04	2.26E-08	1.04E-06	2.20E-06	1.11E-04
5906	486421.57	3859562.45	2.39E-04	2.51E-08	1.07E-06	2.05E-06	2.42E-04	1.14E-04	1.11E-02	8.03E-05	7.50E-05	1.13E-02	1.08E-04	2.07E-08	1.07E-06	2.05E-06	1.11E-04
5907	486327.14	3859561.67	2.41E-04	2.32E-08	1.10E-06	1.91E-06	2.44E-04	1.15E-04	1.02E-02	8.29E-05	7.02E-05	1.05E-02	1.09E-04	1.92E-08	1.10E-06	1.91E-06	1.12E-04
5908	486232.72	3859560.89	2.42E-04	2.16E-08	1.14E-06	1.79E-06	2.45E-04	1.15E-04	9.50E-03	8.54E-05	6.57E-05	9.76E-03	1.09E-04	1.78E-08	1.14E-06	1.79E-06	1.12E-04
5909	486138.3	3859560.1	2.42E-04	2.01E-08	1.17E-06	1.69E-06	2.45E-04	1.15E-04	8.84E-03	8.80E-05	6.18E-05	9.11E-03	1.10E-04	1.66E-08	1.17E-06	1.69E-06	1.12E-04
5910	486043.88	3859559.32	2.42E-04	1.87E-08	1.20E-06	1.59E-06	2.45E-04	1.15E-04	8.24E-03	9.03E-05	5.84E-05	8.51E-03	1.10E-04	1.55E-08	1.20E-06	1.59E-06	1.12E-04
5911	485949.35	3859463.54	2.54E-04	1.88E-08	1.30E-06	1.58E-06	2.57E-04	1.21E-04	8.27E-03	9.71E-05	5.80E-05	8.55E-03	1.15E-04	1.55E-08	1.30E-06	1.58E-06	1.18E-04
5912	485949.24	3859368.55	2.68E-04	2.03E-08	1.36E-06	1.66E-06	2.71E-04	1.27E-04	8.92E-03	1.02E-04	6.09E-05	9.21E-03	1.21E-04	1.67E-08	1.36E-06	1.66E-06	1.24E-04
5913	485949.12	3859273.55	2.83E-04	2.19E-08	1.42E-06	1.75E-06	2.86E-04	1.34E-04	9.66E-03	1.06E-04	6.41E-05	9.96E-03	1.28E-04	1.81E-08	1.42E-06	1.75E-06	1.31E-04

5914	485949.01	3859178.56	2.99E-04	2.38E-08	1.47E-06	1.84E-06	3.02E-04	1.42E-04	1.05E-02	1.10E-04	6.73E-05	1.08E-02	1.35E-04	1.96E-08	1.47E-06	1.84E-06	1.39E-04
5915	485948.9	3859083.56	3.17E-04	2.57E-08	1.52E-06	1.94E-06	3.21E-04	1.51E-04	1.13E-02	1.14E-04	7.10E-05	1.17E-02	1.44E-04	2.12E-08	1.52E-06	1.94E-06	1.47E-04
5916	485948.79	3858988.56	3.37E-04	2.75E-08	1.57E-06	2.04E-06	3.40E-04	1.60E-04	1.21E-02	1.17E-04	7.49E-05	1.25E-02	1.52E-04	2.27E-08	1.57E-06	2.04E-06	1.56E-04
5917	485948.67	3858893.57	3.57E-04	2.88E-08	1.61E-06	2.13E-06	3.61E-04	1.70E-04	1.27E-02	1.21E-04	7.81E-05	1.31E-02	1.62E-04	2.38E-08	1.61E-06	2.13E-06	1.65E-04
5918	485948.56	3858798.57	3.82E-04	2.97E-08	1.65E-06	2.19E-06	3.86E-04	1.82E-04	1.31E-02	1.24E-04	8.01E-05	1.35E-02	1.73E-04	2.45E-08	1.65E-06	2.19E-06	1.77E-04
5919	485948.45	3858703.58	4.05E-04	3.02E-08	1.67E-06	2.21E-06	4.09E-04	1.93E-04	1.33E-02	1.25E-04	8.10E-05	1.37E-02	1.83E-04	2.49E-08	1.67E-06	2.21E-06	1.87E-04
5920	485948.34	3858608.58	4.34E-04	3.07E-08	1.66E-06	2.24E-06	4.37E-04	2.06E-04	1.35E-02	1.25E-04	8.21E-05	1.39E-02	1.96E-04	2.54E-08	1.66E-06	2.24E-06	2.00E-04
5921	485948.22	3858513.59	4.65E-04	3.14E-08	1.63E-06	2.28E-06	4.69E-04	2.21E-04	1.38E-02	1.22E-04	8.36E-05	1.42E-02	2.10E-04	2.59E-08	1.63E-06	2.28E-06	2.14E-04
5922	485948.11	3858418.59	4.99E-04	3.23E-08	1.60E-06	2.29E-06	5.03E-04	2.37E-04	1.42E-02	1.20E-04	8.40E-05	1.46E-02	2.26E-04	2.66E-08	1.60E-06	2.29E-06	2.30E-04
5923	485948	3858323.59	5.39E-04	3.34E-08	1.62E-06	2.29E-06	5.43E-04	2.56E-04	1.47E-02	1.21E-04	8.39E-05	1.51E-02	2.44E-04	2.75E-08	1.62E-06	2.29E-06	2.48E-04
5924	485947.89	3858228.6	5.81E-04	3.45E-08	1.67E-06	2.30E-06	5.85E-04	2.76E-04	1.52E-02	1.25E-04	8.42E-05	1.57E-02	2.63E-04	2.85E-08	1.67E-06	2.30E-06	2.67E-04
5925	485947.77	3858133.6	6.28E-04	3.57E-08	1.72E-06	2.27E-06	6.32E-04	2.99E-04	1.57E-02	1.29E-04	8.34E-05	1.62E-02	2.84E-04	2.95E-08	1.72E-06	2.27E-06	2.88E-04
5926	485947.66	3858038.61	6.89E-04	3.71E-08	1.76E-06	2.19E-06	6.93E-04	3.28E-04	1.63E-02	1.32E-04	8.04E-05	1.69E-02	3.12E-04	3.06E-08	1.76E-06	2.19E-06	3.16E-04
5927	485854.54	3857943.35	7.33E-04	3.60E-08	1.69E-06	1.96E-06	7.37E-04	3.49E-04	1.59E-02	1.27E-04	7.19E-05	1.64E-02	3.32E-04	2.98E-08	1.69E-06	1.96E-06	3.35E-04
5928	485761.52	3857943.09	7.17E-04	3.27E-08	1.62E-06	1.87E-06	7.21E-04	3.41E-04	1.44E-02	1.22E-04	6.87E-05	1.49E-02	3.25E-04	2.70E-08	1.62E-06	1.87E-06	3.28E-04
5929	485668.51	3857942.83	7.04E-04	3.02E-08	1.56E-06	1.80E-06	7.08E-04	3.35E-04	1.33E-02	1.17E-04	6.59E-05	1.38E-02	3.19E-04	2.49E-08	1.56E-06	1.80E-06	3.22E-04
5930	485575.5	3857942.56	6.88E-04	2.82E-08	1.51E-06	1.72E-06	6.91E-04	3.27E-04	1.24E-02	1.13E-04	6.32E-05	1.29E-02	3.11E-04	2.33E-08	1.51E-06	1.72E-06	3.14E-04
5931	485482.48	3857942.3	6.75E-04	2.65E-08	1.46E-06	1.66E-06	6.79E-04	3.21E-04	1.17E-02	1.09E-04	6.07E-05	1.21E-02	3.06E-04	2.19E-08	1.46E-06	1.66E-06	3.09E-04
5932	485389.47	3857942.04	6.63E-04	2.50E-08	1.41E-06	1.59E-06	6.66E-04	3.15E-04	1.10E-02	1.06E-04	5.83E-05	1.15E-02	3.00E-04	2.07E-08	1.41E-06	1.59E-06	3.03E-04
5933	485296.46	3857941.78	6.51E-04	2.37E-08	1.37E-06	1.53E-06	6.54E-04	3.09E-04	1.05E-02	1.03E-04	5.63E-05	1.09E-02	2.94E-04	1.96E-08	1.37E-06	1.53E-06	2.97E-04
5934	485203.45	3857941.52	6.41E-04	2.26E-08	1.33E-06	1.49E-06	6.44E-04	3.05E-04	9.95E-03	9.96E-05	5.45E-05	1.04E-02	2.90E-04	1.87E-08	1.33E-06	1.49E-06	2.93E-04
5935	485110.43	3857941.26	6.29E-04	2.16E-08	1.29E-06	1.44E-06	6.31E-04	2.99E-04	9.51E-03	9.67E-05	5.29E-05	9.96E-03	2.84E-04	1.78E-08	1.29E-06	1.44E-06	2.87E-04
5936	485017.42	3857940.99	6.15E-04	2.07E-08	1.25E-06	1.40E-06	6.17E-04	2.92E-04	9.12E-03	9.39E-05	5.14E-05	9.56E-03	2.78E-04	1.71E-08	1.25E-06	1.40E-06	2.81E-04
5937	484924.41	3857940.73	6.01E-04	1.99E-08	1.22E-06	1.37E-06	6.04E-04	2.86E-04	8.75E-03	9.13E-05	5.04E-05	9.18E-03	2.72E-04	1.64E-08	1.22E-06	1.37E-06	2.75E-04
5938	484831.39	3857940.47	5.89E-04	1.91E-08	1.18E-06	1.36E-06	5.92E-04	2.80E-04	8.39E-03	8.89E-05	5.00E-05	8.81E-03	2.67E-04	1.57E-08	1.18E-06	1.36E-06	2.69E-04
5939	484738.12	3857859.3	6.07E-04	1.99E-08	1.14E-06	1.40E-06	6.10E-04	2.89E-04	8.77E-03	8.57E-05	5.12E-05	9.19E-03	2.75E-04	1.64E-08	1.14E-06	1.40E-06	2.77E-04
5940	484737.85	3857778.4	6.41E-04	2.20E-08	1.14E-06	1.45E-06	6.44E-04	3.05E-04	9.67E-03	8.53E-05	5.31E-05	1.01E-02	2.90E-04	1.81E-08	1.14E-06	1.45E-06	2.93E-04
5941	484737.59	3857697.49	6.75E-04	2.47E-08	1.14E-06	1.51E-06	6.78E-04	3.21E-04	1.09E-02	8.53E-05	5.55E-05	1.13E-02	3.05E-04	2.04E-08	1.14E-06	1.51E-06	3.08E-04
5942	484737.32	3857616.59	7.09E-04	2.84E-08	1.15E-06	1.59E-06	7.12E-04	3.37E-04	1.25E-02	8.59E-05	5.84E-05	1.30E-02	3.21E-04	2.34E-08	1.15E-06	1.59E-06	3.23E-04
5943	484645.53	3857535.18	7.23E-04	3.13E-08	1.13E-06	1.67E-06	7.26E-04	3.44E-04	1.38E-02	8.49E-05	6.12E-05	1.43E-02	3.27E-04	2.59E-08	1.13E-06	1.67E-06	3.30E-04
5944	484553.99	3857534.67	6.99E-04	2.94E-08	1.10E-06	1.63E-06	7.02E-04	3.32E-04	1.29E-02	8.25E-05	5.96E-05	1.34E-02	3.16E-04	2.43E-08	1.10E-06	1.63E-06	3.19E-04
5945	484462.46	3857534.17	6.78E-04	2.77E-08	1.07E-06	1.60E-06	6.81E-04	3.22E-04	1.22E-02	8.04E-05	5.86E-05	1.26E-02	3.07E-04	2.28E-08	1.07E-06	1.60E-06	3.09E-04
5946	484370.93	3857533.66	6.56E-04	2.61E-08	1.04E-06	1.55E-06	6.59E-04	3.12E-04	1.15E-02	7.83E-05	5.68E-05	1.19E-02	2.97E-04	2.16E-08	1.04E-06	1.55E-06	3.00E-04
5947	484279.4	3857533.16	6.36E-04	2.47E-08	1.02E-06	1.52E-06	6.38E-04	3.02E-04	1.09E-02	7.64E-05	5.56E-05	1.13E-02	2.88E-04	2.04E-08	1.02E-06	1.52E-06	2.90E-04
5948	484187.86	3857532.65	6.15E-04	2.33E-08	9.93E-07	1.54E-06	6.17E-04	2.92E-04	1.03E-02	7.45E-05	5.66E-05	1.07E-02	2.78E-04	1.93E-08	9.93E-07	1.54E-06	2.81E-04
5949	484096.33	3857532.15	5.96E-04	2.19E-08	9.70E-07	1.57E-06	5.98E-04	2.83E-04	9.63E-03	7.28E-05	5.77E-05	1.00E-02	2.70E-04	1.81E-08	9.70E-07	1.57E-06	2.72E-04
5950	484004.8	3857531.64	5.75E-04	2.08E-08	9.47E-07	1.56E-06	5.77E-04	2.73E-04	9.15E-03	7.11E-05	5.71E-05	9.56E-03	2.60E-04	1.72E-08	9.47E-07	1.56E-06	2.63E-04
5951	483913.27	3857531.14	5.53E-04	2.00E-08	9.24E-07	1.55E-06	5.55E-04	2.63E-04	8.79E-03	6.93E-05	5.67E-05	9.18E-03	2.50E-04	1.65E-08	9.24E-07	1.55E-06	2.53E-04
5952	483821.73	3857530.63	5.34E-04	1.89E-08	9.03E-07	1.59E-06	5.37E-04	2.54E-04	8.33E-03	6.77E-05	5.82E-05	8.71E-03	2.42E-04	1.56E-08	9.03E-07	1.59E-06	2.44E-04
5953	483729.61	3857450.11	5.35E-04	1.98E-08	8.96E-07	1.72E-06	5.38E-04	2.55E-04	8.74E-03	6.72E-05	6.30E-05	9.12E-03	2.42E-04	1.64E-08	8.96E-07	1.72E-06	2.45E-04
5954	483729.03	3857370.08	5.57E-04	2.18E-08	9.16E-07	1.82E-06	5.60E-04	2.65E-04	9.61E-03	6.87E-05	6.67E-05	1.00E-02	2.52E-04	1.80E-08	9.16E-07	1.82E-06	2.55E-04
5955	483728.44	3857290.06	5.76E-04	2.46E-08	9.38E-07	1.92E-06	5.79E-04	2.74E-04	1.08E-02	7.04E-05	7.05E-05	1.12E-02	2.61E-04	2.03E-08	9.38E-07	1.92E-06	2.64E-04
5956	483727.86	3857210.03	5.95E-04	2.83E-08	9.61E-07	2.05E-06	5.98E-04	2.83E-04	1.25E-02	7.21E-05	7.51E-05	1.29E-02	2.69E-04	2.34E-08	9.61E-07	2.05E-06	2.72E-04
5957	483641.15	3857129.07	5.93E-04	2.90E-08	9.64E-07	2.14E-06	5.96E-04	2.82E-04	1.28E-02	7.23E-05	7.83E-05	1.32E-02	2.68E-04	2.40E-08	9.64E-07	2.14E-06	2.72E-04
5958	483555.03	3857128.14	5.70E-04	2.59E-08	9.43E-07	2.08E-06	5.73E-04	2.71E-04	1.14E-02	7.07E-05	7.63E-05	1.18E-02	2.58E-04	2.14E-08	9.43E-07	2.08E-06	2.61E-04
5959	483468.91	3857127.2	5.45E-04	2.37E-08	9.22E-07	2.00E-06	5.48E-04	2.59E-04	1.05E-02	6.91E-05	7.33E-05	1.09E-02	2.46E-04	1.96E-08	9.22E-07	2.00E-06	2.49E-04
5960	483382.78	3857126.26	5.26E-04	2.14E-08	9.04E-07	1.94E-06	5.29E-04	2.50E-04	9.44E-03	6.78E-05	7.10E-05	9.83E-03	2.38E-04	1.77E-08	9.04E-07	1.94E-06	2.41E-04
5961	483296.66	3857125.32	5.06E-04	1.97E-08	8.85E-07	1.89E-06	5.09E-04	2.41E-04	8.66E-03	6.64E-05	6.94E-05	9.04E-03	2.29E-04	1.62E-08	8.85E-07	1.89E-06	2.32E-04
5962	483210.54	3857124.39	4.86E-04	1.82E-08	8.67E-07	1.76E-06	4.89E-04	2.31E-04	8.00E-03	6.50E-05	6.44E-05	8.36E-03	2.20E-04	1.50E-08	8.67E-07	1.76E-06	2.23E-04
5963	483123.4	3857030.96	4.82E-04	1.81E-08	8.73E-07	1.67E-06	4.84E-04	2.29E-04	7.96E-03	6.55E-05	6.12E-05	8.32E-03	2.18E-04	1.49E-08	8.73E-07	1.67E-06	2.21E-04
5964	483122.38	3856938.46	4.98E-04	1.93E-08	8.96E-07	1.73E-06	5.01E-04	2.37E-04	8.51E-03	6.72E-05	6.35E-05	8.88E-03	2.25E-04	1.60E-08	8.96E-07	1.73E-06	2.28E-04
5965	483121.35	3856845.97	5.14E-04	2.05E-08	9.11E-07	1.82E-06	5.17E-04	2.44E-04	9.03E-03	6.83E-05	6.68E-05	9.41E-03	2.33E-04	1.69E-08	9.11E-07	1.82E-06	2.35E-04
5966	483120.33	3856753.47	5.26E-04	2.21E-08	9.17E-07	1.98E-06	5.29E-04	2.50E-04	9.73E-03	6.88E-05	7.25E-05	1.01E-02	2.38E-04	1.82E-08	9.17E-07	1.98E-06	2.41E-04
5967	483119.31	3856660.98	5.38E-04	2.36E-08	9.14E-07	2.19E-06	5.41E-04	2.56E-04	1.04E-02	6.86E-05	8.03E-05	1.08E-02	2.43E-04	1.95E-08	9.14E-07	2.19E-06	2.47E-04
5968	483118.29	3856568.49	5.53E-04	2.47E-08	9.07E-07	2.45E-06	5.56E-04	2.63E-04	1.09E-02	6.80E-05	8.97E-05	1.13E-02	2.50E-04	2.04E-08	9.07E-07	2.45E-06	2.54E-04
5969	483117.26	3856475.99	5.69E-04	2.54E-08	8.95E-07	2.75E-06	5.73E-04	2.71E-04	1.12E-02	6.71E-05	1.01E-04	1.16E-02	2.58E-04	2.10E-08	8.95E-07	2.75E-06	2.61E-04
5970	483116.24	3856383.5	5.84E-04	2.63E-08	8.79E-07	3.18E-06	5.88E-04	2.78E-04	1.16E-02	6.59E-05	1.17E-04	1.21E-02	2.64E-04	2.18E-08	8.79E-07	3.18E-06	2.68E-04
5971	483115.22	3856291.01	5.99E-04	2.72E-08	8.59E-07	3.76E-06	6.03E-04	2.85E-04	1.20E-02	6.44E-05	1.38E-04	1.25E-02	2.71E-04	2.25E-08	8.59E-07	3.76E-06	2.75E-04
5972	483114.2	3856198.51	6.10E-04	2.87E-08	8.33E-07	4.29E-06	6.15E-04	2.90E-04	1.26E-02	6.24E-05	1.57E-04	1.32E-02	2.76E-04	2.37E-08	8.33E-07	4.29E-06	2.81E-04
5973	483113.17	3856106.02	6.26E-04	2.92E-08	8.05E-07	4.53E-06	6.31E-04	2.97E-04	1.28E-02	6.03E-05	1.66E-04	1.34E-02	2.83E-04	2.41E-08	8.05E-07	4.53E-06	2.88E-04
5974	483112.15	3856013.52	6.34E-04	3.11E-08	7.65E-07	4.42E-06	6.39E-04	3.01E-04	1.37E-02	5.74E-05	1.62E-04	1.42E-02	2.87E-04	2.57E-08	7.65E-07	4.42E-06	2.92E-04

5975	483029.25	3855920.47	6.07E-04	2.82E-08	7.31E-07	3.60E-06	6.11E-04	2.89E-04	1.24E-02	5.49E-05	1.32E-04	1.29E-02	2.75E-04	2.33E-08	7.31E-07	3.60E-06	2.79E-04
5976	482947.37	3855919.91	5.76E-04	2.46E-08	7.39E-07	3.23E-06	5.80E-04	2.74E-04	1.08E-02	5.54E-05	1.18E-04	1.13E-02	2.61E-04	2.03E-08	7.39E-07	3.23E-06	2.65E-04
5977	482865.49	3855919.36	5.47E-04	2.21E-08	7.44E-07	2.92E-06	5.51E-04	2.60E-04	9.75E-03	5.58E-05	1.07E-04	1.02E-02	2.47E-04	1.83E-08	7.44E-07	2.92E-06	2.51E-04
5978	482783.61	3855918.8	5.23E-04	1.97E-08	7.51E-07	2.67E-06	5.26E-04	2.48E-04	8.66E-03	5.63E-05	9.79E-05	9.07E-03	2.36E-04	1.62E-08	7.51E-07	2.67E-06	2.40E-04
5979	482700.33	3855818.39	4.97E-04	1.89E-08	7.16E-07	2.43E-06	5.00E-04	2.36E-04	8.35E-03	5.37E-05	8.91E-05	8.72E-03	2.25E-04	1.57E-08	7.16E-07	2.43E-06	2.28E-04
5980	482698.92	3855718.54	4.97E-04	2.02E-08	6.73E-07	2.32E-06	5.00E-04	2.36E-04	8.90E-03	5.05E-05	8.51E-05	9.27E-03	2.25E-04	1.67E-08	6.73E-07	2.32E-06	2.28E-04
5981	482697.52	3855618.68	4.95E-04	2.19E-08	6.22E-07	2.19E-06	4.97E-04	2.35E-04	9.66E-03	4.66E-05	8.05E-05	1.00E-02	2.24E-04	1.81E-08	6.22E-07	2.19E-06	2.27E-04
5982	482696.11	3855518.83	4.94E-04	2.13E-08	5.71E-07	2.09E-06	4.97E-04	2.35E-04	9.38E-03	4.28E-05	7.65E-05	9.73E-03	2.23E-04	1.76E-08	5.71E-07	2.09E-06	2.26E-04
5983	482694.71	3855418.98	4.87E-04	2.08E-08	5.20E-07	2.01E-06	4.89E-04	2.31E-04	9.16E-03	3.90E-05	7.37E-05	9.51E-03	2.20E-04	1.72E-08	5.20E-07	2.01E-06	2.23E-04
5984	482693.3	3855319.13	4.77E-04	1.96E-08	4.76E-07	2.02E-06	4.80E-04	2.27E-04	8.62E-03	3.57E-05	7.39E-05	8.96E-03	2.16E-04	1.62E-08	4.76E-07	2.02E-06	2.18E-04
5985	482691.9	3855219.27	4.68E-04	1.73E-08	4.38E-07	2.30E-06	4.71E-04	2.23E-04	7.61E-03	3.28E-05	8.43E-05	7.95E-03	2.12E-04	1.43E-08	4.38E-07	2.30E-06	2.15E-04
5986	482690.49	3855119.42	4.56E-04	1.59E-08	4.10E-07	2.98E-06	4.59E-04	2.17E-04	7.02E-03	3.07E-05	1.09E-04	7.37E-03	2.06E-04	1.32E-08	4.10E-07	2.98E-06	2.10E-04
5987	482689.09	3855019.57	4.46E-04	1.30E-08	3.85E-07	3.59E-06	4.50E-04	2.12E-04	5.74E-03	2.89E-05	1.32E-04	6.11E-03	2.02E-04	1.08E-08	3.85E-07	3.59E-06	2.06E-04
5988	482687.68	3854919.71	4.29E-04	9.87E-09	3.70E-07	3.61E-06	4.33E-04	2.04E-04	4.35E-03	2.77E-05	1.33E-04	4.71E-03	1.94E-04	8.15E-09	3.70E-07	3.61E-06	1.98E-04
5989	482686.28	3854819.86	4.12E-04	7.09E-09	3.59E-07	3.15E-06	4.16E-04	1.96E-04	3.12E-03	2.69E-05	1.15E-04	3.46E-03	1.87E-04	5.86E-09	3.59E-07	3.15E-06	1.90E-04
5990	482684.88	3854720.01	3.89E-04	5.72E-09	3.52E-07	2.54E-06	3.92E-04	1.85E-04	2.52E-03	2.64E-05	9.32E-05	2.82E-03	1.76E-04	4.72E-09	3.52E-07	2.54E-06	1.79E-04
5991	482683.47	3854620.16	3.68E-04	4.67E-09	3.45E-07	2.03E-06	3.71E-04	1.75E-04	2.06E-03	2.59E-05	7.46E-05	2.33E-03	1.67E-04	3.86E-09	3.45E-07	2.03E-06	1.69E-04
5992	482682.07	3854520.31	3.46E-04	4.06E-09	3.39E-07	1.68E-06	3.49E-04	1.65E-04	1.79E-03	2.55E-05	6.17E-05	2.04E-03	1.57E-04	3.36E-09	3.39E-07	1.68E-06	1.59E-04
5993	482680.66	3854420.45	3.28E-04	3.64E-09	3.34E-07	1.45E-06	3.30E-04	1.56E-04	1.60E-03	2.51E-05	5.31E-05	1.84E-03	1.48E-04	3.00E-09	3.34E-07	1.45E-06	1.50E-04
5994	482679.26	3854320.6	3.12E-04	3.31E-09	3.29E-07	1.28E-06	3.14E-04	1.49E-04	1.46E-03	2.47E-05	4.69E-05	1.68E-03	1.41E-04	2.74E-09	3.29E-07	1.28E-06	1.43E-04
5995	482677.85	3854220.75	3.02E-04	2.94E-09	3.24E-07	1.14E-06	3.03E-04	1.43E-04	1.29E-03	2.43E-05	4.17E-05	1.50E-03	1.36E-04	2.43E-09	3.24E-07	1.14E-06	1.38E-04
5996	482676.45	3854120.9	2.84E-04	2.80E-09	3.21E-07	1.03E-06	2.85E-04	1.35E-04	1.23E-03	2.41E-05	3.77E-05	1.43E-03	1.28E-04	2.32E-09	3.21E-07	1.03E-06	1.30E-04
5997	482675.04	3854021.04	2.66E-04	2.65E-09	3.18E-07	9.40E-07	2.67E-04	1.26E-04	1.16E-03	2.39E-05	3.45E-05	1.35E-03	1.20E-04	2.18E-09	3.18E-07	9.40E-07	1.21E-04
5998	482673.64	3853921.19	2.45E-04	2.50E-09	3.16E-07	8.72E-07	2.46E-04	1.16E-04	1.10E-03	2.37E-05	3.20E-05	1.27E-03	1.11E-04	2.07E-09	3.16E-07	8.72E-07	1.12E-04
5999	482672.23	3853821.34	2.26E-04	2.34E-09	3.11E-07	8.16E-07	2.27E-04	1.07E-04	1.03E-03	2.33E-05	2.99E-05	1.19E-03	1.02E-04	1.93E-09	3.11E-07	8.16E-07	1.03E-04
6000	482670.83	3853721.48	2.09E-04	2.19E-09	3.07E-07	7.70E-07	2.10E-04	9.91E-05	9.64E-04	2.30E-05	2.82E-05	1.11E-03	9.43E-05	1.81E-09	3.07E-07	7.70E-07	9.54E-05
6001	482669.42	3853621.63	1.95E-04	2.07E-09	3.03E-07	7.31E-07	1.96E-04	9.25E-05	9.12E-04	2.27E-05	2.68E-05	1.05E-03	8.80E-05	1.71E-09	3.03E-07	7.31E-07	8.91E-05
6002	482645.99	3853446.13	1.82E-04	1.88E-09	2.94E-07	6.69E-07	1.83E-04	8.67E-05	8.27E-04	2.21E-05	2.45E-05	9.60E-04	8.25E-05	1.55E-09	2.94E-07	6.69E-07	8.34E-05
6003	482623.97	3853370.48	1.80E-04	1.81E-09	2.90E-07	6.44E-07	1.81E-04	8.55E-05	7.96E-04	2.18E-05	2.36E-05	9.27E-04	8.14E-05	1.49E-09	2.90E-07	6.44E-07	8.23E-05
6004	482601.94	3853294.84	1.79E-04	1.74E-09	2.87E-07	6.21E-07	1.80E-04	8.51E-05	7.65E-04	2.15E-05	2.28E-05	8.95E-04	8.10E-05	1.44E-09	2.87E-07	6.21E-07	8.19E-05
6005	482531.29	3853133.44	1.77E-04	1.60E-09	2.77E-07	5.75E-07	1.77E-04	8.39E-05	7.05E-04	2.08E-05	2.11E-05	8.30E-04	7.99E-05	1.32E-09	2.77E-07	5.75E-07	8.07E-05
6006	482482.68	3853047.69	1.74E-04	1.53E-09	2.73E-07	5.53E-07	1.75E-04	8.29E-05	6.72E-04	2.05E-05	2.03E-05	7.96E-04	7.89E-05	1.26E-09	2.73E-07	5.53E-07	7.97E-05
6007	482383.09	3852897.4	1.68E-04	1.43E-09	2.66E-07	5.16E-07	1.68E-04	7.96E-05	6.28E-04	2.00E-05	1.89E-05	7.47E-04	7.58E-05	1.18E-09	2.66E-07	5.16E-07	7.66E-05
6008	482265.64	3852765.26	1.59E-04	1.35E-09	2.59E-07	4.84E-07	1.59E-04	7.54E-05	5.93E-04	1.95E-05	1.77E-05	7.06E-04	7.17E-05	1.11E-09	2.59E-07	4.84E-07	7.25E-05
6009	482199.16	3852697.66	1.54E-04	1.31E-09	2.57E-07	4.69E-07	1.55E-04	7.31E-05	5.77E-04	1.93E-05	1.72E-05	6.87E-04	6.96E-05	1.08E-09	2.57E-07	4.69E-07	7.03E-05
6010	482132.69	3852630.07	1.49E-04	1.27E-09	2.53E-07	4.56E-07	1.50E-04	7.10E-05	5.61E-04	1.90E-05	1.67E-05	6.68E-04	6.76E-05	1.05E-09	2.53E-07	4.56E-07	6.83E-05
6011	482066.21	3852562.48	1.45E-04	1.24E-09	2.51E-07	4.44E-07	1.46E-04	6.90E-05	5.47E-04	1.88E-05	1.63E-05	6.51E-04	6.56E-05	1.03E-09	2.51E-07	4.44E-07	6.63E-05
6012	481999.74	3852494.89	1.41E-04	1.21E-09	2.47E-07	4.34E-07	1.42E-04	6.70E-05	5.35E-04	1.86E-05	1.59E-05	6.36E-04	6.37E-05	1.00E-09	2.47E-07	4.34E-07	6.44E-05
6013	481933.26	3852427.29	1.37E-04	1.19E-09	2.45E-07	4.24E-07	1.38E-04	6.51E-05	5.24E-04	1.84E-05	1.55E-05	6.23E-04	6.20E-05	9.82E-10	2.45E-07	4.24E-07	6.26E-05
6014	481866.79	3852359.7	1.33E-04	1.16E-09	2.42E-07	4.14E-07	1.34E-04	6.34E-05	5.11E-04	1.82E-05	1.52E-05	6.08E-04	6.03E-05	9.58E-10	2.42E-07	4.14E-07	6.10E-05
6015	481800.31	3852292.11	1.30E-04	1.13E-09	2.40E-07	4.06E-07	1.31E-04	6.18E-05	4.99E-04	1.80E-05	1.49E-05	5.94E-04	5.88E-05	9.36E-10	2.40E-07	4.06E-07	5.95E-05
6016	481733.84	3852224.52	1.27E-04	1.11E-09	2.36E-07	3.98E-07	1.27E-04	6.02E-05	4.89E-04	1.77E-05	1.46E-05	5.82E-04	5.73E-05	9.17E-10	2.36E-07	3.98E-07	5.79E-05
6017	481667.36	3852156.92	1.24E-04	1.08E-09	2.34E-07	3.91E-07	1.24E-04	5.88E-05	4.78E-04	1.75E-05	1.43E-05	5.68E-04	5.59E-05	8.96E-10	2.34E-07	3.91E-07	5.65E-05
6018	481600.89	3852089.33	1.20E-04	1.07E-09	2.31E-07	3.83E-07	1.21E-04	5.72E-05	4.72E-04	1.73E-05	1.41E-05	5.60E-04	5.44E-05	8.85E-10	2.31E-07	3.83E-07	5.51E-05
6019	481534.41	3852021.74	1.17E-04	1.06E-09	2.30E-07	3.76E-07	1.18E-04	5.57E-05	4.67E-04	1.72E-05	1.38E-05	5.54E-04	5.30E-05	8.77E-10	2.30E-07	3.76E-07	5.36E-05
6020	481467.94	3851954.15	1.14E-04	1.05E-09	2.27E-07	3.69E-07	1.15E-04	5.43E-05	4.62E-04	1.70E-05	1.35E-05	5.47E-04	5.17E-05	8.67E-10	2.27E-07	3.69E-07	5.23E-05
6021	481401.46	3851886.55	1.12E-04	1.03E-09	2.25E-07	3.63E-07	1.12E-04	5.30E-05	4.55E-04	1.68E-05	1.33E-05	5.38E-04	5.04E-05	8.52E-10	2.25E-07	3.63E-07	5.10E-05
6022	481265.87	3851761.43	1.06E-04	1.01E-09	2.21E-07	3.50E-07	1.06E-04	5.03E-05	4.45E-04	1.66E-05	1.29E-05	5.25E-04	4.79E-05	8.35E-10	2.21E-07	3.50E-07	4.85E-05
6023	481196.74	3851703.89	1.03E-04	9.99E-10	2.19E-07	3.45E-07	1.04E-04	4.90E-05	4.40E-04	1.64E-05	1.27E-05	5.18E-04	4.67E-05	8.25E-10	2.19E-07	3.45E-07	4.72E-05
6024	481076.33	3851619.04	9.81E-05	9.85E-10	2.16E-07	3.37E-07	9.87E-05	4.67E-05	4.34E-04	1.62E-05	1.23E-05	5.09E-04	4.44E-05	8.14E-10	2.16E-07	3.37E-07	4.50E-05
6025	480939.8	3851549.07	9.23E-05	9.68E-10	2.14E-07	3.29E-07	9.28E-05	4.39E-05	4.26E-04	1.61E-05	1.21E-05	4.98E-04	4.17E-05	7.99E-10	2.14E-07	3.29E-07	4.23E-05
6026	480854.56	3851506.41	8.86E-05	9.57E-10	2.13E-07	3.24E-07	8.92E-05	4.21E-05	4.21E-04	1.59E-05	1.19E-05	4.91E-04	4.01E-05	7.90E-10	2.13E-07	3.24E-07	4.06E-05
6027	480769.32	3851463.75	8.51E-05	9.43E-10	2.12E-07	3.19E-07	8.57E-05	4.05E-05	4.15E-04	1.59E-05	1.17E-05	4.84E-04	3.85E-05	7.79E-10	2.12E-07	3.19E-07	3.90E-05
6028	480684.08	3851421.08	8.18E-05	9.31E-10	2.11E-07	3.16E-07	8.23E-05	3.89E-05	4.10E-04	1.58E-05	1.16E-05	4.76E-04	3.70E-05	7.69E-10	2.11E-07	3.16E-07	3.75E-05
6029	480598.84	3851378.42	7.85E-05	9.24E-10	2.10E-07	3.12E-07	7.91E-05	3.73E-05	4.07E-04	1.58E-05	1.14E-05	4.72E-04	3.55E-05	7.63E-10	2.10E-07	3.12E-07	3.61E-05
6030	480435.71	3851275.01	7.34E-05	9.01E-10	2.07E-07	3.05E-07	7.39E-05	3.49E-05	3.97E-04	1.55E-05	1.12E-05	4.58E-04	3.32E-05	7.44E-10	2.07E-07	3.05E-07	3.37E-05
6031	480347.85	3851232.36	7.06E-05	8.95E-10	2.06E-07	3.01E-07	7.11E-05	3.35E-05	3.94E-04	1.54E-05	1.11E-05	4.54E-04	3.19E-05	7.39E-10	2.06E-07	3.01E-07	3.24E-05
6032	480260	3851189.72	6.80E-05	8.88E-10	2.05E-07	2.98E-07	6.85E-05	3.23E-05	3.91E-04	1.54E-05	1.09E-05	4.50E-04	3.07E-05	7.33E-10	2.05E-07	2.98E-07	3.12E-05
6033	480172.15	3851147.07	6.55E-05	8.81E-10	2.04E-07	2.95E-07	6.60E-05	3.12E-05	3.88E-04	1.53E-05	1.08E-05	4.45E-04	2.96E-05	7.27E-10	2.04E-07	2.95E-07	3.01E-05
6034	480084.29	3851104.42	6.33E-05	8.70E-10	2.03E-07	2.93E-07	6.38E-05	3.01E-05	3.83E-04	1.52E-05	1.07E-05	4.39E-04	2.86E-05	7.19E-10	2.03E-07	2.93E-07	2.91E-05
6035	479996.44	3851061.77	6.13E-05	8.60E-10	2.02E-07	2.90E-07	6.18E-05	2.91E-05	3.79E-04	1.51E-05	1.06E-05	4.34E-04	2.77E-05	7.10E-10	2.02E-07	2.90E-07	2.82E-05

6036	479908.58	3851019.13	5.94E-05	8.34E-10	2.01E-07	2.88E-07	5.99E-05	2.83E-05	3.67E-04	1.51E-05	1.06E-05	4.21E-04	2.69E-05	6.89E-10	2.01E-07	2.88E-07	2.74E-05
6037	479820.73	3850976.48	5.77E-05	8.25E-10	2.00E-07	2.87E-07	5.82E-05	2.74E-05	3.64E-04	1.50E-05	1.05E-05	4.16E-04	2.61E-05	6.82E-10	2.00E-07	2.87E-07	2.66E-05
6038	479732.88	3850933.83	5.62E-05	8.18E-10	1.98E-07	2.84E-07	5.67E-05	2.67E-05	3.60E-04	1.49E-05	1.04E-05	4.12E-04	2.54E-05	6.76E-10	1.98E-07	2.84E-07	2.59E-05
6039	479645.02	3850891.18	5.48E-05	8.14E-10	1.97E-07	2.82E-07	5.53E-05	2.61E-05	3.58E-04	1.48E-05	1.03E-05	4.10E-04	2.48E-05	6.72E-10	1.97E-07	2.82E-07	2.53E-05
6040	479557.17	3850848.54	5.36E-05	8.13E-10	1.96E-07	2.79E-07	5.41E-05	2.55E-05	3.58E-04	1.47E-05	1.02E-05	4.08E-04	2.42E-05	6.71E-10	1.96E-07	2.79E-07	2.47E-05
6041	479469.32	3850805.89	5.24E-05	8.01E-10	1.96E-07	2.76E-07	5.29E-05	2.49E-05	3.53E-04	1.47E-05	1.01E-05	4.03E-04	2.37E-05	6.62E-10	1.96E-07	2.76E-07	2.42E-05
6042	479381.46	3850763.24	5.14E-05	8.04E-10	1.95E-07	2.74E-07	5.19E-05	2.44E-05	3.54E-04	1.46E-05	1.00E-05	4.03E-04	2.33E-05	6.64E-10	1.95E-07	2.74E-07	2.37E-05
6043	479293.61	3850720.59	5.05E-05	8.13E-10	1.94E-07	2.70E-07	5.10E-05	2.40E-05	3.58E-04	1.45E-05	9.91E-06	4.07E-04	2.29E-05	6.72E-10	1.94E-07	2.70E-07	2.33E-05
6044	479205.76	3850677.95	4.97E-05	8.19E-10	1.93E-07	2.68E-07	5.02E-05	2.36E-05	3.61E-04	1.45E-05	9.82E-06	4.09E-04	2.25E-05	6.76E-10	1.93E-07	2.68E-07	2.30E-05
6045	479117.9	3850635.3	4.90E-05	8.28E-10	1.92E-07	2.64E-07	4.94E-05	2.33E-05	3.64E-04	1.44E-05	9.69E-06	4.12E-04	2.22E-05	6.84E-10	1.92E-07	2.64E-07	2.26E-05
6046	479030.05	3850592.65	4.83E-05	8.30E-10	1.91E-07	2.62E-07	4.87E-05	2.29E-05	3.65E-04	1.44E-05	9.60E-06	4.12E-04	2.18E-05	6.85E-10	1.91E-07	2.62E-07	2.23E-05
6047	478942.19	3850550	4.77E-05	8.15E-10	1.91E-07	2.60E-07	4.81E-05	2.27E-05	3.59E-04	1.43E-05	9.54E-06	4.06E-04	2.16E-05	6.73E-10	1.91E-07	2.60E-07	2.20E-05
6048	478854.34	3850507.36	4.64E-05	7.78E-10	1.89E-07	2.58E-07	4.69E-05	2.21E-05	3.43E-04	1.42E-05	9.47E-06	3.88E-04	2.10E-05	6.43E-10	1.89E-07	2.58E-07	2.14E-05
6049	478766.49	3850464.71	4.57E-05	7.61E-10	1.87E-07	2.57E-07	4.62E-05	2.17E-05	3.35E-04	1.40E-05	9.41E-06	3.80E-04	2.07E-05	6.29E-10	1.87E-07	2.57E-07	2.11E-05
6050	478678.63	3850422.06	4.52E-05	7.50E-10	1.86E-07	2.55E-07	4.56E-05	2.15E-05	3.30E-04	1.40E-05	9.35E-06	3.75E-04	2.04E-05	6.20E-10	1.86E-07	2.55E-07	2.09E-05
6051	478590.78	3850379.41	4.46E-05	7.37E-10	1.85E-07	2.52E-07	4.51E-05	2.12E-05	3.24E-04	1.39E-05	9.25E-06	3.69E-04	2.02E-05	6.09E-10	1.85E-07	2.52E-07	2.06E-05
6052	478502.93	3850336.77	4.42E-05	7.28E-10	1.85E-07	2.51E-07	4.47E-05	2.10E-05	3.21E-04	1.38E-05	9.19E-06	3.65E-04	2.00E-05	6.01E-10	1.85E-07	2.51E-07	2.04E-05
6053	478415.07	3850294.12	4.38E-05	7.22E-10	1.83E-07	2.49E-07	4.43E-05	2.08E-05	3.18E-04	1.37E-05	9.12E-06	3.62E-04	1.98E-05	5.97E-10	1.83E-07	2.49E-07	2.03E-05
6054	478327.22	3850251.47	4.34E-05	7.07E-10	1.82E-07	2.46E-07	4.38E-05	2.06E-05	3.11E-04	1.37E-05	9.03E-06	3.55E-04	1.96E-05	5.84E-10	1.82E-07	2.46E-07	2.01E-05
6055	478239.36	3850208.82	4.30E-05	6.94E-10	1.81E-07	2.45E-07	4.34E-05	2.04E-05	3.06E-04	1.36E-05	8.97E-06	3.49E-04	1.95E-05	5.73E-10	1.81E-07	2.45E-07	1.99E-05
6056	478151.51	3850166.18	4.26E-05	6.82E-10	1.79E-07	2.43E-07	4.30E-05	2.03E-05	3.01E-04	1.35E-05	8.90E-06	3.43E-04	1.93E-05	5.64E-10	1.79E-07	2.43E-07	1.97E-05
6057	478063.66	3850123.53	4.23E-05	6.71E-10	1.79E-07	2.41E-07	4.27E-05	2.01E-05	2.95E-04	1.34E-05	8.84E-06	3.38E-04	1.91E-05	5.54E-10	1.79E-07	2.41E-07	1.95E-05
6058	477975.8	3850080.88	4.22E-05	6.95E-10	1.78E-07	2.39E-07	4.26E-05	2.01E-05	3.06E-04	1.33E-05	8.78E-06	3.48E-04	1.91E-05	5.74E-10	1.78E-07	2.39E-07	1.95E-05
6059	477887.95	3850038.23	4.19E-05	6.92E-10	1.77E-07	2.38E-07	4.23E-05	1.99E-05	3.05E-04	1.33E-05	8.71E-06	3.46E-04	1.89E-05	5.71E-10	1.77E-07	2.38E-07	1.94E-05
6060	477800.1	3849995.59	4.16E-05	6.92E-10	1.75E-07	2.36E-07	4.20E-05	1.98E-05	3.05E-04	1.31E-05	8.65E-06	3.46E-04	1.88E-05	5.71E-10	1.75E-07	2.36E-07	1.92E-05
6061	477712.24	3849952.94	4.12E-05	6.82E-10	1.74E-07	2.35E-07	4.16E-05	1.96E-05	3.00E-04	1.31E-05	8.62E-06	3.41E-04	1.87E-05	5.63E-10	1.74E-07	2.35E-07	1.91E-05
6062	477624.39	3849910.29	4.09E-05	6.71E-10	1.73E-07	2.33E-07	4.13E-05	1.94E-05	2.95E-04	1.30E-05	8.56E-06	3.36E-04	1.85E-05	5.54E-10	1.73E-07	2.33E-07	1.89E-05
6063	477536.54	3849867.64	4.06E-05	6.62E-10	1.73E-07	2.32E-07	4.10E-05	1.93E-05	2.91E-04	1.29E-05	8.52E-06	3.32E-04	1.84E-05	5.46E-10	1.73E-07	2.32E-07	1.88E-05
6064	477448.68	3849825	4.02E-05	6.47E-10	1.71E-07	2.31E-07	4.06E-05	1.91E-05	2.85E-04	1.28E-05	8.46E-06	3.25E-04	1.82E-05	5.34E-10	1.71E-07	2.31E-07	1.86E-05
6065	477360.83	3849782.35	3.98E-05	6.32E-10	1.70E-07	2.30E-07	4.02E-05	1.89E-05	2.78E-04	1.28E-05	8.43E-06	3.18E-04	1.80E-05	5.22E-10	1.70E-07	2.30E-07	1.84E-05
6066	477272.97	3849739.7	3.94E-05	6.16E-10	1.69E-07	2.29E-07	3.98E-05	1.87E-05	2.71E-04	1.27E-05	8.40E-06	3.11E-04	1.78E-05	5.09E-10	1.69E-07	2.29E-07	1.82E-05
6067	477185.12	3849697.05	3.91E-05	6.03E-10	1.68E-07	2.28E-07	3.95E-05	1.86E-05	2.66E-04	1.26E-05	8.37E-06	3.05E-04	1.77E-05	4.98E-10	1.68E-07	2.28E-07	1.81E-05
6068	477097.27	3849654.41	3.87E-05	5.87E-10	1.67E-07	2.26E-07	3.91E-05	1.84E-05	2.59E-04	1.25E-05	8.30E-06	2.98E-04	1.75E-05	4.85E-10	1.67E-07	2.26E-07	1.79E-05
6069	477009.41	3849611.76	3.82E-05	5.62E-10	1.66E-07	2.26E-07	3.86E-05	1.82E-05	2.48E-04	1.24E-05	8.27E-06	2.86E-04	1.73E-05	4.64E-10	1.66E-07	2.26E-07	1.77E-05
6070	476841.49	3849530.08	3.75E-05	5.31E-10	1.63E-07	2.24E-07	3.79E-05	1.78E-05	2.34E-04	1.22E-05	8.21E-06	2.72E-04	1.70E-05	4.38E-10	1.63E-07	2.24E-07	1.74E-05
6071	476761.41	3849491.05	3.72E-05	5.20E-10	1.62E-07	2.23E-07	3.76E-05	1.77E-05	2.29E-04	1.22E-05	8.18E-06	2.67E-04	1.68E-05	4.29E-10	1.62E-07	2.23E-07	1.72E-05
6072	476681.34	3849452.02	3.68E-05	5.04E-10	1.62E-07	2.22E-07	3.72E-05	1.75E-05	2.22E-04	1.21E-05	8.15E-06	2.60E-04	1.67E-05	4.16E-10	1.62E-07	2.22E-07	1.70E-05
6073	476601.26	3849412.99	3.64E-05	4.87E-10	1.61E-07	2.21E-07	3.68E-05	1.73E-05	2.15E-04	1.21E-05	8.11E-06	2.52E-04	1.65E-05	4.02E-10	1.61E-07	2.21E-07	1.69E-05
6074	476456.32	3849353.67	3.58E-05	4.49E-10	1.59E-07	2.20E-07	3.61E-05	1.70E-05	1.98E-04	1.19E-05	8.08E-06	2.35E-04	1.62E-05	3.71E-10	1.59E-07	2.20E-07	1.66E-05
6075	476305.43	3849318.83	3.56E-05	4.36E-10	1.57E-07	2.20E-07	3.60E-05	1.69E-05	1.92E-04	1.18E-05	8.05E-06	2.29E-04	1.61E-05	3.60E-10	1.57E-07	2.20E-07	1.65E-05
6076	476129.36	3849289.99	3.54E-05	4.14E-10	1.56E-07	2.20E-07	3.58E-05	1.68E-05	1.82E-04	1.17E-05	8.05E-06	2.19E-04	1.60E-05	3.42E-10	1.56E-07	2.20E-07	1.64E-05
6077	476039.31	3849275.68	3.53E-05	4.05E-10	1.55E-07	2.20E-07	3.57E-05	1.68E-05	1.78E-04	1.16E-05	8.05E-06	2.15E-04	1.60E-05	3.34E-10	1.55E-07	2.20E-07	1.64E-05
6078	475949.26	3849261.38	3.51E-05	3.88E-10	1.54E-07	2.20E-07	3.54E-05	1.67E-05	1.71E-04	1.15E-05	8.05E-06	2.07E-04	1.59E-05	3.20E-10	1.54E-07	2.20E-07	1.62E-05
6079	475859.21	3849247.08	3.49E-05	3.80E-10	1.53E-07	2.20E-07	3.53E-05	1.66E-05	1.67E-04	1.15E-05	8.05E-06	2.03E-04	1.58E-05	3.14E-10	1.53E-07	2.20E-07	1.62E-05
6080	475769.16	3849232.77	3.48E-05	3.71E-10	1.52E-07	2.20E-07	3.52E-05	1.65E-05	1.63E-04	1.14E-05	8.05E-06	1.99E-04	1.57E-05	3.06E-10	1.52E-07	2.20E-07	1.61E-05
6081	475585.22	3849219.27	3.24E-05	3.01E-10	1.51E-07	2.19E-07	3.28E-05	1.54E-05	1.33E-04	1.14E-05	8.02E-06	1.67E-04	1.47E-05	2.49E-10	1.51E-07	2.19E-07	1.50E-05
6082	475444.49	3849150.35	3.35E-05	3.31E-10	1.51E-07	2.18E-07	3.39E-05	1.59E-05	1.46E-04	1.13E-05	7.99E-06	1.81E-04	1.51E-05	2.74E-10	1.51E-07	2.18E-07	1.55E-05
6083	475334.17	3849118.71	3.35E-05	3.38E-10	1.50E-07	2.17E-07	3.39E-05	1.59E-05	1.49E-04	1.12E-05	7.96E-06	1.84E-04	1.52E-05	2.79E-10	1.50E-07	2.17E-07	1.55E-05
6084	475230.47	3849060.56	3.31E-05	3.34E-10	1.49E-07	2.16E-07	3.35E-05	1.57E-05	1.47E-04	1.12E-05	7.93E-06	1.82E-04	1.50E-05	2.76E-10	1.49E-07	2.16E-07	1.53E-05
6085	475110.86	3848960.97	3.23E-05	3.26E-10	1.47E-07	2.14E-07	3.26E-05	1.53E-05	1.44E-04	1.10E-05	7.83E-06	1.78E-04	1.46E-05	2.69E-10	1.47E-07	2.14E-07	1.50E-05
6086	475037.79	3848896.28	3.16E-05	3.18E-10	1.46E-07	2.12E-07	3.20E-05	1.50E-05	1.40E-04	1.10E-05	7.77E-06	1.74E-04	1.43E-05	2.62E-10	1.46E-07	2.12E-07	1.47E-05
6087	474964.72	3848831.59	3.10E-05	3.10E-10	1.45E-07	2.10E-07	3.14E-05	1.47E-05	1.36E-04	1.09E-05	7.70E-06	1.70E-04	1.40E-05	2.56E-10	1.45E-07	2.10E-07	1.44E-05
6088	474891.65	3848766.9	3.05E-05	3.06E-10	1.45E-07	2.08E-07	3.09E-05	1.45E-05	1.35E-04	1.08E-05	7.64E-06	1.68E-04	1.38E-05	2.53E-10	1.45E-07	2.08E-07	1.42E-05
6089	474818.58	3848702.21	3.01E-05	3.03E-10	1.44E-07	2.08E-07	3.05E-05	1.43E-05	1.34E-04	1.08E-05	7.61E-06	1.66E-04	1.36E-05	2.50E-10	1.44E-07	2.08E-07	1.40E-05
6090	474745.51	3848637.53	3.00E-05	3.09E-10	1.43E-07	2.06E-07	3.04E-05	1.43E-05	1.36E-04	1.07E-05	7.55E-06	1.69E-04	1.36E-05	2.55E-10	1.43E-07	2.06E-07	1.39E-05
6091	474672.44	3848572.84	2.97E-05	3.09E-10	1.42E-07	2.05E-07	3.01E-05	1.41E-05	1.36E-04	1.07E-05	7.51E-06	1.68E-04	1.34E-05	2.55E-10	1.42E-07	2.05E-07	1.38E-05
6092	474599.37	3848508.15	2.92E-05	3.02E-10	1.41E-07	2.03E-07	2.95E-05	1.39E-05	1.33E-04	1.06E-05	7.45E-06	1.65E-04	1.32E-05	2.49E-10	1.41E-07	2.03E-07	1.36E-05
6093	474526.3	3848443.46	2.88E-05	2.98E-10	1.40E-07	2.01E-07	2.92E-05	1.37E-05	1.31E-04	1.05E-05	7.39E-06	1.63E-04	1.30E-05	2.46E-10	1.40E-07	2.01E-07	1.34E-05

			PM2.5				2028 Unmitigated					2028 Mitigated					2033 Unmitigated				
			24 hr				Rates (g/s	3.73E-03	2.98E-02	6.38E-03	3.16E-03	3.40E-03	3.02E-08	8.50E-05	8.61E-05		4.32E-03	2.98E-02	6.38E-03	3.16E-03	
			Concentration [ug/m^3] at 1 g/s					Concentration [ug/m^3]				Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARI	WHS (PAF	STCK1-1(	STCK11-39		CHE (PARE/	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PARE/	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PARE	WHS (PAR	STCK1-10	STCK11-39	Total
1	485973.61	3854936.51	0.97168	0.12783	0.0431	0.13994		3.63E-03	3.81E-03	2.75E-04	4.42E-04	8.16E-03	3.30E-03	3.86E-09	3.66E-06	1.21E-05	3.31E-03	4.19E-03	3.81E-03	2.75E-04	4.42E-04	8.72E-03
2	486023.61	3854936.51	0.94107	0.1261	0.043	0.13964		3.51E-03	3.76E-03	2.74E-04	4.41E-04	7.99E-03	3.19E-03	3.81E-09	3.66E-06	1.20E-05	3.21E-03	4.06E-03	3.76E-03	2.74E-04	4.41E-04	8.54E-03
3	486073.61	3854936.51	0.92612	0.12533	0.0434	0.13899		3.46E-03	3.74E-03	2.77E-04	4.39E-04	7.91E-03	3.14E-03	3.78E-09	3.69E-06	1.20E-05	3.16E-03	4.00E-03	3.74E-03	2.77E-04	4.39E-04	8.45E-03
4	486123.61	3854936.51	0.88506	0.1221	0.0465	0.13677		3.30E-03	3.64E-03	2.96E-04	4.32E-04	7.67E-03	3.00E-03	3.69E-09	3.95E-06	1.18E-05	3.02E-03	3.82E-03	3.64E-03	2.96E-04	4.32E-04	8.19E-03
5	486173.61	3854936.51	0.88837	0.12203	0.0481	0.1397		3.31E-03	3.64E-03	3.07E-04	4.41E-04	7.70E-03	3.02E-03	3.69E-09	4.09E-06	1.20E-05	3.03E-03	3.83E-03	3.64E-03	3.07E-04	4.41E-04	8.22E-03
6	486223.61	3854936.51	0.86323	0.12035	0.05	0.14082		3.22E-03	3.59E-03	3.19E-04	4.45E-04	7.58E-03	2.93E-03	3.63E-09	4.25E-06	1.21E-05	2.95E-03	3.72E-03	3.59E-03	3.19E-04	4.45E-04	8.08E-03
7	486273.61	3854936.51	0.85151	0.11953	0.051	0.14102		3.18E-03	3.57E-03	3.25E-04	4.45E-04	7.51E-03	2.89E-03	3.61E-09	4.33E-06	1.21E-05	2.91E-03	3.67E-03	3.57E-03	3.25E-04	4.45E-04	8.01E-03
8	486323.61	3854936.51	0.84311	0.11893	0.0517	0.1431		3.15E-03	3.55E-03	3.30E-04	4.52E-04	7.48E-03	2.86E-03	3.59E-09	4.40E-06	1.23E-05	2.88E-03	3.64E-03	3.55E-03	3.30E-04	4.52E-04	7.97E-03
9	485973.61	3854986.51	1.13564	0.13554	0.0436	0.1407		4.24E-03	4.04E-03	2.78E-04	4.44E-04	9.00E-03	3.86E-03	4.09E-09	3.71E-06	1.21E-05	3.87E-03	4.90E-03	4.04E-03	2.78E-04	4.44E-04	9.67E-03
10	486023.61	3854986.51	1.10178	0.13289	0.0437	0.14081		4.11E-03	3.96E-03	2.78E-04	4.45E-04	8.80E-03	3.74E-03	4.01E-09	3.71E-06	1.21E-05	3.76E-03	4.75E-03	3.96E-03	2.78E-04	4.45E-04	9.44E-03
11	486073.61	3854986.51	1.05416	0.13121	0.0437	0.14064		3.93E-03	3.91E-03	2.79E-04	4.44E-04	8.57E-03	3.58E-03	3.96E-09	3.72E-06	1.21E-05	3.59E-03	4.55E-03	3.91E-03	2.79E-04	4.44E-04	9.19E-03
12	486123.61	3854986.51	1.00982	0.12941	0.0452	0.14147		3.77E-03	3.86E-03	2.88E-04	4.47E-04	8.36E-03	3.43E-03	3.91E-09	3.85E-06	1.22E-05	3.44E-03	4.36E-03	3.86E-03	2.88E-04	4.47E-04	8.95E-03
13	486173.61	3854986.51	0.9984	0.12831	0.0478	0.14177		3.73E-03	3.83E-03	3.05E-04	4.48E-04	8.31E-03	3.39E-03	3.87E-09	4.07E-06	1.22E-05	3.41E-03	4.31E-03	3.83E-03	3.05E-04	4.48E-04	8.89E-03
14	486223.61	3854986.51	0.96598	0.12631	0.0497	0.14383		3.60E-03	3.77E-03	3.17E-04	4.54E-04	8.14E-03	3.28E-03	3.81E-09	4.22E-06	1.24E-05	3.30E-03	4.17E-03	3.77E-03	3.17E-04	4.54E-04	8.71E-03
15	486273.61	3854986.51	0.93585	0.12473	0.0516	0.14908		3.49E-03	3.72E-03	3.29E-04	4.71E-04	8.01E-03	3.18E-03	3.77E-09	4.39E-06	1.28E-05	3.19E-03	4.04E-03	3.72E-03	3.29E-04	4.71E-04	8.56E-03
16	486323.61	3854986.51	0.94507	0.12575	0.0525	0.15176		3.53E-03	3.75E-03	3.35E-04	4.79E-04	8.09E-03	3.21E-03	3.80E-09	4.46E-06	1.31E-05	3.23E-03	4.08E-03	3.75E-03	3.35E-04	4.79E-04	8.64E-03
17	485973.61	3855036.51	1.31524	0.14423	0.0445	0.14098		4.91E-03	4.30E-03	2.84E-04	4.45E-04	9.94E-03	4.47E-03	4.36E-09	3.78E-06	1.21E-05	4.48E-03	5.68E-03	4.30E-03	2.84E-04	4.45E-04	1.07E-02
18	486023.61	3855036.51	1.27648	0.14184	0.0444	0.1432		4.76E-03	4.23E-03	2.83E-04	4.52E-04	9.73E-03	4.33E-03	4.28E-09	3.78E-06	1.23E-05	4.35E-03	5.51E-03	4.23E-03	2.83E-04	4.52E-04	1.05E-02
19	486073.61	3855036.51	1.21507	0.13912	0.0443	0.14319		4.53E-03	4.15E-03	2.83E-04	4.52E-04	9.42E-03	4.13E-03	4.20E-09	3.77E-06	1.23E-05	4.14E-03	5.24E-03	4.15E-03	2.83E-04	4.52E-04	1.01E-02
20	486123.61	3855036.51	1.17187	0.13668	0.0446	0.14703		4.37E-03	4.08E-03	2.84E-04	4.64E-04	9.20E-03	3.98E-03	4.13E-09	3.79E-06	1.27E-05	3.99E-03	5.06E-03	4.08E-03	2.84E-04	4.64E-04	9.88E-03
21	486173.61	3855036.51	1.15563	0.13533	0.0477	0.15272		4.31E-03	4.04E-03	3.04E-04	4.82E-04	9.14E-03	3.92E-03	4.09E-09	4.06E-06	1.32E-05	3.94E-03	4.99E-03	4.04E-03	3.04E-04	4.82E-04	9.81E-03
22	486223.61	3855036.51	1.09908	0.1321	0.0491	0.15593		4.10E-03	3.94E-03	3.13E-04	4.92E-04	8.85E-03	3.73E-03	3.99E-09	4.18E-06	1.34E-05	3.75E-03	4.74E-03	3.94E-03	3.13E-04	4.92E-04	9.49E-03
23	486273.61	3855036.51	1.09618	0.13212	0.0514	0.15652		4.09E-03	3.94E-03	3.28E-04	4.94E-04	8.85E-03	3.72E-03	3.99E-09	4.37E-06	1.35E-05	3.74E-03	4.73E-03	3.94E-03	3.28E-04	4.94E-04	9.49E-03
24	486323.61	3855036.51	1.06693	0.13122	0.053	0.15671		3.98E-03	3.91E-03	3.38E-04	4.95E-04	8.73E-03	3.62E-03	3.96E-09	4.50E-06	1.35E-05	3.64E-03	4.60E-03	3.91E-03	3.38E-04	4.95E-04	9.35E-03
25	485973.61	3855086.51	1.54164	0.15345	0.0453	0.14877		5.75E-03	4.58E-03	2.89E-04	4.70E-04	1.11E-02	5.23E-03	4.63E-09	3.86E-06	1.28E-05	5.25E-03	6.65E-03	4.58E-03	2.89E-04	4.70E-04	1.20E-02
26	486023.61	3855086.51	1.49347	0.15165	0.0449	0.15204		5.57E-03	4.52E-03	2.87E-04	4.80E-04	1.09E-02	5.07E-03	4.58E-09	3.82E-06	1.31E-05	5.09E-03	6.44E-03	4.52E-03	2.87E-04	4.80E-04	1.17E-02
27	486073.61	3855086.51	1.39805	0.14838	0.045	0.15681		5.22E-03	4.43E-03	2.87E-04	4.95E-04	1.04E-02	4.75E-03	4.48E-09	3.83E-06	1.35E-05	4.76E-03	6.03E-03	4.43E-03	2.87E-04	4.95E-04	1.12E-02
28	486123.61	3855086.51	1.35605	0.14616	0.045	0.15773		5.06E-03	4.36E-03	2.87E-04	4.98E-04	1.02E-02	4.60E-03	4.41E-09	3.83E-06	1.36E-05	4.62E-03	5.85E-03	4.36E-03	2.87E-04	4.98E-04	1.10E-02
29	486173.61	3855086.51	1.29663	0.14162	0.0464	0.15839		4.84E-03	4.22E-03	2.96E-04	5.00E-04	9.86E-03	4.40E-03	4.28E-09	3.94E-06	1.36E-05	4.42E-03	5.60E-03	4.23E-03	2.96E-04	5.00E-04	1.06E-02
30	486223.61	3855086.51	1.26189	0.14008	0.0494	0.15881		4.71E-03	4.18E-03	3.15E-04	5.01E-04	9.70E-03	4.28E-03	4.23E-09	4.20E-06	1.37E-05	4.30E-03	5.45E-03	4.18E-03	3.15E-04	5.01E-04	1.04E-02
31	485973.61	3855136.51	1.78526	0.16266	0.046	0.15931		6.66E-03	4.85E-03	2.93E-04	5.03E-04	1.23E-02	6.06E-03	4.91E-09	3.91E-06	1.37E-05	6.08E-03	7.70E-03	4.85E-03	2.93E-04	5.03E-04	1.34E-02
32	486023.61	3855136.51	1.70188	0.16002	0.0458	0.15949		6.35E-03	4.77E-03	2.92E-04	5.04E-04	1.19E-02	5.78E-03	4.83E-09	3.90E-06	1.37E-05	5.80E-03	7.34E-03	4.77E-03	2.92E-04	5.04E-04	1.29E-02
33	486073.61	3855136.51	1.61563	0.15698	0.0454	0.16098		6.03E-03	4.68E-03	2.90E-04	5.08E-04	1.15E-02	5.49E-03	4.74E-09	3.86E-06	1.39E-05	5.50E-03	6.97E-03	4.68E-03	2.90E-04	5.08E-04	1.25E-02
34	486123.61	3855136.51	1.54458	0.15403	0.0457	0.16243		5.76E-03	4.60E-03	2.92E-04	5.13E-04	1.12E-02	5.24E-03	4.65E-09	3.89E-06	1.40E-05	5.26E-03	6.67E-03	4.60E-03	2.92E-04	5.13E-04	1.21E-02
35	486173.61	3855136.51	1.47584	0.15049	0.0462	0.16535		5.51E-03	4.49E-03	2.95E-04	5.22E-04	1.08E-02	5.01E-03	4.54E-09	3.93E-06	1.42E-05	5.03E-03	6.37E-03	4.49E-03	2.95E-04	5.22E-04	1.17E-02
36	486223.61	3855136.51	1.41696	0.14882	0.049	0.17165		5.29E-03	4.44E-03	3.12E-04	5.42E-04	1.06E-02	4.81E-03	4.49E-09	4.16E-06	1.48E-05	4.83E-03	6.11E-03	4.44E-03	3.12E-04	5.42E-04	1.14E-02
37	485973.61	3855186.51	2.07484	0.1732	0.0466	0.17011		7.74E-03	5.17E-03	2.97E-04	5.37E-04	1.37E-02	7.04E-03	5.23E-09	3.96E-06	1.46E-05	7.06E-03	8.95E-03	5.17E-03	2.97E-04	5.37E-04	1.50E-02
38	486023.61	3855186.51	1.96461	0.17006	0.0467	0.16939		7.33E-03	5.07E-03	2.98E-04	5.35E-04	1.32E-02	6.67E-03	5.14E-09	3.97E-06	1.46E-05	6.69E-03	8.48E-03	5.07E-03	2.98E-04	5.35E-04	1.44E-02
39	486073.61	3855186.51	1.84012	0.16551	0.0464	0.17127		6.87E-03	4.94E-03	2.96E-04	5.41E-04	1.26E-02	6.25E-03	5.00E-09	3.94E-06	1.47E-05	6.27E-03	7.94E-03	4.94E-03	2.96E-04	5.41E-04	1.37E-02
40	486123.61	3855186.51	1.7279	0.16198	0.0466	0.17633		6.45E-03	4.83E-03	2.97E-04	5.57E-04	1.21E-02	5.87E-03	4.89E-09	3.97E-06	1.52E-05	5.89E-03	7.46E-03	4.83E-03	2.97E-04	5.57E-04	1.31E-02
41	486173.61	3855186.51	1.65091	0.15883	0.0465	0.18288		6.16E-03	4.74E-03	2.97E-04	5.77E-04	1.18E-02	5.60E-03	4.80E-09	3.96E-06	1.57E-05	5.62E-03	7.12E-03	4.74E-03	2.97E-04	5.77E-04	1.27E-02
42	486223.61	3855186.51	1.5738	0.15673	0.0476	0.18566		5.87E-03	4.68E-03	3.04E-04	5.86E-04	1.14E-02	5.34E-03	4.73E-09	4.05E-06	1.60E-05	5.36E-03	6.79E-03	4.68E-03	3.04E-04	5.86E-04	1.24E-02
43	486273.61	3855186.51	1.50466	0.15399	0.0512	0.18832		5.61E-03	4.59E-03	3.27E-04	5.95E-04	1.11E-02	5.11E-03	4.65E-09	4.35E-06	1.62E-05	5.13E-03	6.49E-03	4.59E-03	3.27E-04	5.95E-04	1.20E-02
44	486323.61	3855186.51	1.51915	0.15568	0.0522	0.18813		5.67E-03	4.64E-03	3.33E-04	5.94E-04	1.12E-02	5.16E-03	4.70E-09	4.44E-06	1.62E-05	5.18E-03	6.56E-03	4.64E-03	3.33E-04	5.94E-04	1.21E-02
45	485973.61	3855236.51	2.38549	0.18628	0.0466	0.18394		8.90E-03	5.56E-03	2.97E-04	5.81E-04	1.53E-02	8.10E-03	5.63E-09	3.96E-06	1.58E-05	8.12E-03	1.03E-02	5.56E-03	2.97E-04	5.81E-04	1.67E-02
46	486023.61	3855236.51	2.21104	0.18166	0.0474	0.18629		8.25E-03	5.42E-03	3.03E-04	5.88E-04	1.46E-02	7.51E-03	5.49E-09	4.03E-06	1.60E-05	7.53E-03	9.54E-03	5.42E-03	3.03E-04	5.88E-04	1.59E-02
47	486073.61	3855236.51	2.04302	0.17619	0.0473	0.19109		7.62E-03	5.26E-03	3.02E-04	6.03E-04	1.38E-02	6.94E-03	5.32E-09	4.03E-06	1.65E-05	6.96E-03	8.82E-03	5.26E-03	3.02E-04	6.03E-04	1.50E-02
48	486123.61	3855236.51	1.93953	0.1718	0.0469	0.19373		7.24E-03	5.13E-03	2.99E-04	6.12E-04	1.33E-02	6.58E-03	5.19E-09	3.99E-06	1.67E-05	6.61E-03	8.37E-03	5.13E-03	2.99E-04	6.12E-04	1.44E-02
49	486173.61	3855236.51	1.8557	0.16892	0.0474	0.19409		6.92E-03	5.04E-03	3.02E-04	6.13E-04	1.29E-02	6.30E-03	5.10E-09	4.03E-06	1.67E-05	6.32E-03	8.01E-03	5.04E-03	3.02E-04	6.13E-04	1.40E-02
50	486223.61	3855236.51	1.76827	0.16525	0.0478	0.19605		6.60E-03	4.93E-03	3.05E-04	6.19E-04	1.25E-02	6.00E-03	4.99E-09	4.06E-06	1.69E-05	6.02E-03	7.63E-03	4.93E-03	3.05E-04	6.19E-04	1.35E-02
51	486273.61	3855236.51	1.65062	0.15984	0.0503	0.19353		6.16E-03	4.77E-03	3.21E-04	6.11E-04	1.19E-02	5.60E-03	4.83E-09	4.28E-06	1.67E-05	5.62E-03	7.12E-03	4.77E-03	3.21E-04	6.11E-04	1.28E-02
52	486323.61	3855236.51	1.70327	0.16349	0.0521	0.19035		6.36E-03	4.88E-03	3.32E-04	6.01E-04	1.22E-02	5.78E-03	4.94E-09	4.43E-06	1.64E-05	5.80E-03	7.35E-03	4.88E-03	3.32E-04	6.01E-04	1.32E-02
53	485973.61	3855286.51	2.69808	0.1989	0.0463	0.19827		1.01E-02	5.93E-03	2.96E-04	6.26E-04	1.69E-02	9.16E-03	6.01E-09	3.94E-06	1.71E-05	9.18E-03	1.16E-02	5.93E-03	2.96E-04	6.26E-04	1.85E-02
54	486023.61	3855286.51	2.49251	0.19119	0.0479	0.19992		9.30E-03	5.70E-03	3.05E-04	6.31E-04	1.59E-02	8.46E-03	5.77E-09	4.07E-06	1.72E-05	8.48E-03	1.08E-02	5.70E-03	3.05E-04	6.31E-04	1.74E-02
55	486073.61	3855286.51	2.32922	0.18631	0.0483	0.20388		8.69E-03	5.56E-03	3.08E-04	6.44E-04	1.52E-02	7.91E-03	5.63E-09	4.11E-06	1.76E-05	7.93E-03	1.01E-02	5.56E-03	3.08E-04	6.44E-04	1.66E-02
56	486123.61	3855286.51	2.17012	0.18163	0.048	0.21099		8.10E-03	5.42E-03	3.06E-04	6.66E-04	1.45E-02	7.37E-03	5.48E-09	4.08E-06	1.82E-05	7.39E-03	9.36E-03	5.42E-03	3.06E-04	6.66E-04	1.58E-02
57	486173.61	3855286.51	2.0407	0.17717	0.0476	0.20627		7.61E-03	5.29E-03	3.03E-04	6.51E-04	1.39E-02	6.93E-03	5.35E-09	4.04E-06	1.78E-05	6.95E-03	8.81E-03	5.29E-03	3.03E-04	6.51E-04	1.50E-02

58	486223.61	3855286.51	1.95662	0.17446	0.0482	0.20355	7.30E-03	5.20E-03	3.08E-04	6.43E-04	1.35E-02	6.64E-03	5.27E-09	4.10E-06	1.75E-05	6.66E-03	8.44E-03	5.20E-03	3.08E-04	6.43E-04	1.46E-02
59	486123.61	3855336.51	2.39394	0.18935	0.049	0.21269	8.93E-03	5.65E-03	3.13E-04	6.72E-04	1.56E-02	8.13E-03	5.72E-09	4.17E-06	1.83E-05	8.15E-03	1.03E-02	5.65E-03	3.13E-04	6.72E-04	1.70E-02
60	486173.61	3855336.51	2.26565	0.18585	0.0486	0.21514	8.45E-03	5.54E-03	3.10E-04	6.79E-04	1.50E-02	7.69E-03	5.61E-09	4.13E-06	1.85E-05	7.71E-03	9.78E-03	5.54E-03	3.10E-04	6.79E-04	1.63E-02
61	486223.61	3855336.51	2.14949	0.18328	0.0492	0.21341	8.02E-03	5.47E-03	3.14E-04	6.74E-04	1.45E-02	7.30E-03	5.53E-09	4.18E-06	1.84E-05	7.32E-03	9.28E-03	5.47E-03	3.14E-04	6.74E-04	1.57E-02
62	486123.61	3855386.51	2.67935	0.19967	0.0498	0.21648	1.00E-02	5.96E-03	3.17E-04	6.84E-04	1.70E-02	9.10E-03	6.03E-09	4.23E-06	1.86E-05	9.12E-03	1.16E-02	5.96E-03	3.17E-04	6.84E-04	1.85E-02
63	486173.61	3855386.51	2.51314	0.19647	0.0497	0.21692	9.38E-03	5.86E-03	3.17E-04	6.85E-04	1.62E-02	8.53E-03	5.93E-09	4.23E-06	1.87E-05	8.56E-03	1.08E-02	5.86E-03	3.17E-04	6.85E-04	1.77E-02
64	486223.61	3855386.51	2.38495	0.19306	0.0492	0.21609	8.90E-03	5.76E-03	3.14E-04	6.82E-04	1.57E-02	8.10E-03	5.83E-09	4.19E-06	1.86E-05	8.12E-03	1.03E-02	5.76E-03	3.14E-04	6.82E-04	1.70E-02
65	486533.18	3855443.15	2.10378	0.1887	0.0589	0.22763	7.85E-03	5.63E-03	3.76E-04	7.19E-04	1.46E-02	7.14E-03	5.70E-09	5.01E-06	1.96E-05	7.17E-03	9.08E-03	5.63E-03	3.76E-04	7.19E-04	1.58E-02
66	486583.18	3855443.15	2.01869	0.18646	0.0628	0.22837	7.53E-03	5.56E-03	4.01E-04	7.21E-04	1.42E-02	6.85E-03	5.63E-09	5.34E-06	1.97E-05	6.88E-03	8.71E-03	5.56E-03	4.01E-04	7.21E-04	1.54E-02
67	486633.18	3855443.15	1.94022	0.18441	0.0659	0.22796	7.24E-03	5.50E-03	4.20E-04	7.20E-04	1.39E-02	6.59E-03	5.57E-09	5.60E-06	1.96E-05	6.61E-03	8.37E-03	5.50E-03	4.20E-04	7.20E-04	1.50E-02
68	486683.18	3855443.15	1.89279	0.18342	0.0648	0.22224	7.06E-03	5.47E-03	4.14E-04	7.02E-04	1.37E-02	6.43E-03	5.54E-09	5.51E-06	1.91E-05	6.45E-03	8.17E-03	5.47E-03	4.14E-04	7.02E-04	1.48E-02
69	486533.18	3855493.15	2.29575	0.19809	0.0579	0.23132	8.57E-03	5.91E-03	3.69E-04	7.30E-04	1.56E-02	7.79E-03	5.98E-09	4.93E-06	1.99E-05	7.82E-03	9.91E-03	5.91E-03	3.69E-04	7.30E-04	1.69E-02
70	486583.18	3855493.15	2.21152	0.19542	0.0609	0.23096	8.25E-03	5.83E-03	3.88E-04	7.29E-04	1.52E-02	7.51E-03	5.90E-09	5.18E-06	1.99E-05	7.53E-03	9.54E-03	5.83E-03	3.88E-04	7.29E-04	1.65E-02
71	486633.18	3855493.15	2.11919	0.19263	0.0652	0.22757	7.91E-03	5.75E-03	4.16E-04	7.19E-04	1.48E-02	7.19E-03	5.82E-09	5.55E-06	1.96E-05	7.22E-03	9.14E-03	5.75E-03	4.16E-04	7.19E-04	1.60E-02
72	486683.18	3855493.15	2.03278	0.19057	0.0681	0.22493	7.59E-03	5.69E-03	4.34E-04	7.10E-04	1.44E-02	6.90E-03	5.75E-09	5.79E-06	1.94E-05	6.93E-03	8.77E-03	5.69E-03	4.34E-04	7.10E-04	1.56E-02
73	486533.18	3855543.15	2.52713	0.20943	0.0587	0.2399	9.43E-03	6.25E-03	3.74E-04	7.57E-04	1.68E-02	8.58E-03	6.32E-09	4.99E-06	2.07E-05	8.61E-03	1.09E-02	6.25E-03	3.74E-04	7.57E-04	1.83E-02
74	486583.18	3855543.15	2.38148	0.20537	0.0598	0.23864	8.89E-03	6.13E-03	3.81E-04	7.53E-04	1.61E-02	8.09E-03	6.20E-09	5.08E-06	2.05E-05	8.11E-03	1.03E-02	6.13E-03	3.81E-04	7.53E-04	1.75E-02
75	486633.18	3855543.15	2.29211	0.20291	0.0633	0.23857	8.55E-03	6.05E-03	4.04E-04	7.53E-04	1.58E-02	7.78E-03	6.13E-09	5.39E-06	2.05E-05	7.81E-03	9.89E-03	6.05E-03	4.04E-04	7.53E-04	1.71E-02
76	486683.18	3855543.15	2.1672	0.19877	0.0683	0.23728	8.09E-03	5.93E-03	4.35E-04	7.49E-04	1.52E-02	7.36E-03	6.00E-09	5.81E-06	2.04E-05	7.38E-03	9.35E-03	5.93E-03	4.35E-04	7.49E-04	1.65E-02
77	486533.18	3855593.15	2.73276	0.22102	0.06	0.24701	1.02E-02	6.59E-03	3.83E-04	7.80E-04	1.80E-02	9.28E-03	6.67E-09	5.10E-06	2.13E-05	9.30E-03	1.18E-02	6.59E-03	3.83E-04	7.80E-04	1.95E-02
78	486583.18	3855593.15	2.59497	0.21716	0.0603	0.24531	9.68E-03	6.48E-03	3.85E-04	7.75E-04	1.73E-02	8.81E-03	6.56E-09	5.13E-06	2.11E-05	8.84E-03	1.12E-02	6.48E-03	3.85E-04	7.75E-04	1.88E-02
79	486633.18	3855593.15	2.48283	0.21414	0.0617	0.24316	9.26E-03	6.39E-03	3.93E-04	7.68E-04	1.68E-02	8.43E-03	6.47E-09	5.24E-06	2.09E-05	8.46E-03	1.07E-02	6.39E-03	3.93E-04	7.68E-04	1.83E-02
80	486683.18	3855593.15	2.39943	0.21223	0.0658	0.24117	8.95E-03	6.33E-03	4.20E-04	7.61E-04	1.65E-02	8.15E-03	6.41E-09	5.59E-06	2.08E-05	8.17E-03	1.04E-02	6.33E-03	4.20E-04	7.61E-04	1.79E-02
81	486533.18	3855643.15	2.95757	0.23323	0.0614	0.25746	1.10E-02	6.96E-03	3.91E-04	8.13E-04	1.92E-02	1.00E-02	7.04E-09	5.22E-06	2.22E-05	1.01E-02	1.28E-02	6.96E-03	3.91E-04	8.13E-04	2.09E-02
82	486583.18	3855643.15	2.80911	0.22978	0.0614	0.25764	1.05E-02	6.86E-03	3.92E-04	8.13E-04	1.85E-02	9.54E-03	6.94E-09	5.22E-06	2.22E-05	9.56E-03	1.21E-02	6.86E-03	3.92E-04	8.13E-04	2.02E-02
83	486633.18	3855643.15	2.68715	0.22587	0.0616	0.2589	1.00E-02	6.74E-03	3.93E-04	8.17E-04	1.80E-02	9.12E-03	6.82E-09	5.24E-06	2.23E-05	9.15E-03	1.16E-02	6.74E-03	3.93E-04	8.17E-04	1.95E-02
84	486683.18	3855643.15	2.57292	0.22225	0.064	0.25472	9.60E-03	6.63E-03	4.08E-04	8.04E-04	1.74E-02	8.74E-03	6.71E-09	5.44E-06	2.19E-05	8.76E-03	1.11E-02	6.63E-03	4.08E-04	8.04E-04	1.89E-02
85	486533.18	3855693.15	3.24043	0.24707	0.0611	0.27449	1.21E-02	7.37E-03	3.90E-04	8.67E-04	2.07E-02	1.10E-02	7.46E-09	5.20E-06	2.36E-05	1.10E-02	1.40E-02	7.37E-03	3.90E-04	8.67E-04	2.26E-02
86	486583.18	3855693.15	3.01997	0.24105	0.0628	0.27701	1.13E-02	7.19E-03	4.00E-04	8.75E-04	1.97E-02	1.03E-02	7.28E-09	5.34E-06	2.39E-05	1.03E-02	1.30E-02	7.19E-03	4.00E-04	8.75E-04	2.15E-02
87	486633.18	3855693.15	2.82302	0.23471	0.0631	0.27349	1.05E-02	7.00E-03	4.02E-04	8.64E-04	1.88E-02	9.58E-03	7.09E-09	5.36E-06	2.36E-05	9.61E-03	1.22E-02	7.00E-03	4.02E-04	8.64E-04	2.04E-02
88	486683.18	3855693.15	2.7455	0.23295	0.0628	0.27048	1.02E-02	6.95E-03	4.01E-04	8.54E-04	1.84E-02	9.32E-03	7.03E-09	5.34E-06	2.33E-05	9.35E-03	1.18E-02	6.95E-03	4.01E-04	8.54E-04	2.01E-02
89	486733.18	3855693.15	2.70644	0.2336	0.0665	0.26943	1.01E-02	6.97E-03	4.24E-04	8.51E-04	1.83E-02	9.19E-03	7.05E-09	5.65E-06	2.32E-05	9.22E-03	1.17E-02	6.97E-03	4.24E-04	8.51E-04	1.99E-02
90	486783.18	3855693.15	2.70754	0.23616	0.0723	0.26835	1.01E-02	7.05E-03	4.61E-04	8.47E-04	1.85E-02	9.19E-03	7.13E-09	6.14E-06	2.31E-05	9.22E-03	1.17E-02	7.05E-03	4.61E-04	8.47E-04	2.00E-02
91	486533.18	3855743.15	3.44173	0.2604	0.0601	0.28919	1.28E-02	7.77E-03	3.83E-04	9.13E-04	2.19E-02	1.17E-02	7.86E-09	5.11E-06	2.49E-05	1.17E-02	1.49E-02	7.77E-03	3.83E-04	9.13E-04	2.39E-02
92	486583.18	3855743.15	3.20077	0.25198	0.064	0.29377	1.19E-02	7.52E-03	4.08E-04	9.28E-04	2.08E-02	1.09E-02	7.61E-09	5.44E-06	2.53E-05	1.09E-02	1.38E-02	7.52E-03	4.08E-04	9.28E-04	2.27E-02
93	486633.18	3855743.15	3.03802	0.24716	0.0645	0.29325	1.13E-02	7.37E-03	4.11E-04	9.26E-04	2.00E-02	1.03E-02	7.46E-09	5.48E-06	2.53E-05	1.03E-02	1.31E-02	7.37E-03	4.11E-04	9.26E-04	2.18E-02
94	486683.18	3855743.15	2.98167	0.24754	0.0645	0.28569	1.11E-02	7.38E-03	4.11E-04	9.02E-04	1.98E-02	1.01E-02	7.48E-09	5.48E-06	2.46E-05	1.02E-02	1.29E-02	7.38E-03	4.11E-04	9.02E-04	2.16E-02
95	486733.18	3855743.15	2.88783	0.24568	0.0649	0.28019	1.08E-02	7.33E-03	4.14E-04	8.85E-04	1.94E-02	9.80E-03	7.42E-09	5.52E-06	2.41E-05	9.83E-03	1.25E-02	7.33E-03	4.14E-04	8.85E-04	2.11E-02
96	486783.18	3855743.15	2.90399	0.24867	0.07	0.2748	1.08E-02	7.42E-03	4.46E-04	8.68E-04	1.96E-02	9.86E-03	7.51E-09	5.95E-06	2.37E-05	9.89E-03	1.25E-02	7.42E-03	4.46E-04	8.68E-04	2.13E-02
97	486533.18	3855793.15	3.68429	0.27498	0.0598	0.30118	1.37E-02	8.20E-03	3.82E-04	9.51E-04	2.33E-02	1.25E-02	8.30E-09	5.09E-06	2.59E-05	1.25E-02	1.59E-02	8.20E-03	3.82E-04	9.51E-04	2.54E-02
98	486583.18	3855793.15	3.32778	0.26279	0.0632	0.29605	1.24E-02	7.84E-03	4.03E-04	9.35E-04	2.16E-02	1.13E-02	7.94E-09	5.38E-06	2.55E-05	1.13E-02	1.44E-02	7.84E-03	4.03E-04	9.35E-04	2.35E-02
99	486633.18	3855793.15	3.26842	0.26338	0.0662	0.29365	1.22E-02	7.86E-03	4.22E-04	9.27E-04	2.14E-02	1.11E-02	7.95E-09	5.63E-06	2.53E-05	1.11E-02	1.41E-02	7.86E-03	4.22E-04	9.27E-04	2.33E-02
100	486683.18	3855793.15	3.23016	0.26437	0.0662	0.29221	1.21E-02	7.89E-03	4.22E-04	9.23E-04	2.13E-02	1.10E-02	7.98E-09	5.63E-06	2.52E-05	1.10E-02	1.39E-02	7.89E-03	4.22E-04	9.23E-04	2.32E-02
101	486733.18	3855793.15	3.14671	0.26268	0.066	0.29166	1.17E-02	7.84E-03	4.21E-04	9.21E-04	2.09E-02	1.07E-02	7.93E-09	5.61E-06	2.51E-05	1.07E-02	1.36E-02	7.84E-03	4.21E-04	9.21E-04	2.28E-02
102	486783.18	3855793.15	3.1092	0.26222	0.0679	0.2866	1.16E-02	7.82E-03	4.33E-04	9.05E-04	2.08E-02	1.06E-02	7.92E-09	5.78E-06	2.47E-05	1.06E-02	1.34E-02	7.82E-03	4.33E-04	9.05E-04	2.26E-02
103	486533.18	3855843.15	3.91159	0.28827	0.0591	0.30644	1.46E-02	8.60E-03	3.77E-04	9.68E-04	2.45E-02	1.33E-02	8.71E-09	5.02E-06	2.64E-05	1.33E-02	1.69E-02	8.60E-03	3.77E-04	9.68E-04	2.68E-02
104	486583.18	3855843.15	3.59029	0.27789	0.0628	0.30767	1.34E-02	8.29E-03	4.01E-04	9.71E-04	2.31E-02	1.22E-02	8.39E-09	5.34E-06	2.65E-05	1.22E-02	1.55E-02	8.29E-03	4.01E-04	9.71E-04	2.52E-02
105	486633.18	3855843.15	3.52373	0.27838	0.0665	0.30588	1.31E-02	8.31E-03	4.24E-04	9.66E-04	2.28E-02	1.20E-02	8.41E-09	5.65E-06	2.63E-05	1.20E-02	1.52E-02	8.31E-03	4.24E-04	9.66E-04	2.49E-02
106	486683.18	3855843.15	3.46665	0.27912	0.0679	0.29945	1.29E-02	8.33E-03	4.33E-04	9.45E-04	2.26E-02	1.18E-02	8.43E-09	5.78E-06	2.58E-05	1.18E-02	1.50E-02	8.33E-03	4.33E-04	9.45E-04	2.47E-02
107	486733.18	3855843.15	3.38174	0.27848	0.0679	0.29586	1.26E-02	8.31E-03	4.33E-04	9.34E-04	2.23E-02	1.15E-02	8.41E-09	5.77E-06	2.55E-05	1.15E-02	1.46E-02	8.31E-03	4.33E-04	9.34E-04	2.43E-02
108	486783.18	3855843.15	3.32383	0.27711	0.0676	0.29216	1.24E-02	8.27E-03	4.31E-04	9.22E-04	2.20E-02	1.13E-02	8.37E-09	5.75E-06	2.52E-05	1.13E-02	1.43E-02	8.27E-03	4.31E-04	9.22E-04	2.40E-02
109	486533.18	3855893.15	4.02704	0.29554	0.0607	0.30494	1.50E-02	8.82E-03	3.87E-04	9.63E-04	2.52E-02	1.37E-02	8.92E-09	5.16E-06	2.63E-05	1.37E-02	1.74E-02	8.82E-03	3.87E-04	9.63E-04	2.75E-02
110	486583.18	3855893.15	3.92725	0.29505	0.0609	0.3003	1.47E-02	8.80E-03	3.88E-04	9.48E-04	2.48E-02	1.33E-02	8.91E-09	5.18E-06	2.59E-05	1.34E-02	1.69E-02	8.80E-03	3.88E-04	9.48E-04	2.71E-02
111	486633.18	3855893.15	3.8295	0.2941	0.0658	0.2996	1.43E-02	8.77E-03	4.20E-04	9.46E-04	2.44E-02	1.30E-02	8.88E-09	5.59E-06	2.58E-05	1.30E-02	1.65E-02	8.77E-03	4.20E-04	9.46E-04	2.67E-02
112	486683.18	3855893.15	3.75347	0.29411	0.0698	0.29786	1.40E-02	8.77E-03	4.45E-04	9.40E-04	2.42E-02	1.27E-02	8.88E-09	5.93E-06	2.56E-05	1.28E-02	1.62E-02	8.77E-03	4.45E-04	9.40E-04	2.64E-02
113	486733.18	3855893.15	3.66192	0.29426	0.0697	0.29545	1.37E-02	8.78E-03	4.45E-04	9.33E-04	2.38E-02	1.24E-02	8.89E-09	5.93E-06	2.54E-05	1.25E-02	1.58E-02	8.78E-03	4.45E-04	9.33E-04	2.60E-02
114	486783.18	3855893.15	3.60094	0.29459	0.0696	0.28776	1.34E-02	8.79E-03	4.44E-04	9.09E-04	2.36E-02	1.22E-02	8.90E-09	5.92E-06	2.48E-05	1.23E-02	1.55E-02	8.79E-03	4.44E-04	9.09E-04	2.57E-02
115	486533.18	3855943.15	4.32166	0.30921	0.0619	0.30712	1.61E-02	9.22E-03	3.95E-04	9.70E-04	2.67E-02	1.47E-02	9.34E-09	5.26E-06	2.64E-05	1.47E-02	1.86E-02	9.22E-03	3.95E-04	9.70E-04	2.92E-02
116	486583.18	3855943.15	4.28137	0.31215	0.0624	0.30466	1.60E-02	9.31E-03	3.98E-04	9.62E-04	2.66E-02	1.45E-02	9.43E-09	5.31E-06	2.62E-05	1.46E-02	1.85E-02	9.31E-03	3.98E-04	9.62E-04	2.91E-02
117	486633.18	3855943.15	4.13932	0.30966	0.0655	0.30467	1.54E-02	9.24E-03	4.18E-04	9.62E-04	2.61E-02	1.41E-02	9.35E-09	5.57E-06	2.62E-05	1.41E-02	1.79E-02	9.24E-03	4.18E-04	9.62E-04	2.85E-02
118	486683.18	3855943.15	4.07352	0.31062	0.0696	0.30123	1.52E-02	9.27E-03	4.44E-04	9.51E-04	2.59E-02	1.38E-02	9.38E-09	5.92E-06	2.59E-05	1.39E-02	1.76E-02	9.27E-03	4.44E-04	9.51E-04	2.82E-02

119	486733.18	3855943.15	3.97002	0.30968	0.0718	0.29582	1.48E-02	9.24E-03	4.58E-04	9.34E-04	2.54E-02	1.35E-02	9.35E-09	6.11E-06	2.55E-05	1.35E-02	1.71E-02	9.24E-03	4.58E-04	9.34E-04	2.78E-02
120	486783.18	3855943.15	3.9083	0.31201	0.0717	0.28944	1.46E-02	9.31E-03	4.57E-04	9.14E-04	2.53E-02	1.33E-02	9.42E-09	6.10E-06	2.49E-05	1.33E-02	1.69E-02	9.31E-03	4.57E-04	9.14E-04	2.75E-02
121	486533.18	3855993.15	4.68625	0.32619	0.063	0.3124	1.75E-02	9.73E-03	4.02E-04	9.86E-04	2.86E-02	1.59E-02	9.85E-09	5.36E-06	2.69E-05	1.59E-02	2.02E-02	9.73E-03	4.02E-04	9.86E-04	3.13E-02
122	486583.18	3855993.15	4.57889	0.32658	0.0637	0.31073	1.71E-02	9.74E-03	4.06E-04	9.81E-04	2.82E-02	1.55E-02	9.86E-09	5.42E-06	2.68E-05	1.56E-02	1.98E-02	9.74E-03	4.06E-04	9.81E-04	3.09E-02
123	486633.18	3855993.15	4.43045	0.32595	0.0641	0.30786	1.65E-02	9.72E-03	4.09E-04	9.72E-04	2.76E-02	1.50E-02	9.84E-09	5.45E-06	2.65E-05	1.51E-02	1.91E-02	9.72E-03	4.09E-04	9.72E-04	3.02E-02
124	486683.18	3855993.15	4.35363	0.32754	0.0684	0.3031	1.62E-02	9.77E-03	4.36E-04	9.57E-04	2.74E-02	1.48E-02	9.89E-09	5.81E-06	2.61E-05	1.48E-02	1.88E-02	9.77E-03	4.36E-04	9.57E-04	3.00E-02
125	486733.18	3855993.15	4.25117	0.32748	0.0735	0.29813	1.59E-02	9.77E-03	4.69E-04	9.41E-04	2.70E-02	1.44E-02	9.89E-09	6.25E-06	2.57E-05	1.45E-02	1.83E-02	9.77E-03	4.69E-04	9.41E-04	2.95E-02
126	486783.18	3855993.15	4.18501	0.32792	0.074	0.29491	1.56E-02	9.78E-03	4.72E-04	9.31E-04	2.68E-02	1.42E-02	9.90E-09	6.30E-06	2.54E-05	1.42E-02	1.81E-02	9.78E-03	4.72E-04	9.31E-04	2.92E-02
127	486533.18	3856043.15	5.04531	0.34297	0.0639	0.31688	1.88E-02	1.02E-02	4.07E-04	1.00E-03	3.05E-02	1.71E-02	1.04E-08	5.43E-06	2.73E-05	1.72E-02	2.18E-02	1.02E-02	4.07E-04	1.00E-03	3.34E-02
128	486583.18	3856043.15	4.93726	0.3441	0.0647	0.31174	1.84E-02	1.03E-02	4.13E-04	9.84E-04	3.01E-02	1.68E-02	1.04E-08	5.51E-06	2.68E-05	1.68E-02	2.13E-02	1.03E-02	4.13E-04	9.84E-04	3.30E-02
129	486633.18	3856043.15	4.76684	0.34289	0.0656	0.30742	1.78E-02	1.02E-02	4.19E-04	9.71E-04	2.94E-02	1.62E-02	1.04E-08	5.58E-06	2.65E-05	1.62E-02	2.06E-02	1.02E-02	4.19E-04	9.71E-04	3.22E-02
130	486683.18	3856043.15	4.66475	0.34554	0.0665	0.29827	1.74E-02	1.03E-02	4.24E-04	9.42E-04	2.91E-02	1.58E-02	1.04E-08	5.66E-06	2.57E-05	1.59E-02	2.01E-02	1.03E-02	4.24E-04	9.42E-04	3.18E-02
131	486733.18	3856043.15	4.51052	0.34386	0.0731	0.29529	1.68E-02	1.03E-02	4.66E-04	9.32E-04	2.85E-02	1.53E-02	1.04E-08	6.22E-06	2.54E-05	1.53E-02	1.95E-02	1.03E-02	4.66E-04	9.32E-04	3.11E-02
132	486783.18	3856043.15	4.47777	0.34552	0.0765	0.29167	1.67E-02	1.03E-02	4.88E-04	9.21E-04	2.84E-02	1.52E-02	1.04E-08	6.50E-06	2.51E-05	1.52E-02	1.93E-02	1.03E-02	4.88E-04	9.21E-04	3.10E-02
133	486533.18	3856093.15	5.51367	0.36223	0.0656	0.31743	2.06E-02	1.08E-02	4.19E-04	1.00E-03	3.28E-02	1.87E-02	1.09E-08	5.58E-06	2.73E-05	1.88E-02	2.38E-02	1.08E-02	4.19E-04	1.00E-03	3.60E-02
134	486583.18	3856093.15	5.31272	0.36207	0.0659	0.31153	1.98E-02	1.08E-02	4.20E-04	9.84E-04	3.20E-02	1.80E-02	1.09E-08	5.60E-06	2.68E-05	1.81E-02	2.29E-02	1.08E-02	4.20E-04	9.84E-04	3.51E-02
135	486633.18	3856093.15	5.12329	0.36148	0.0667	0.30356	1.91E-02	1.08E-02	4.26E-04	9.58E-04	3.13E-02	1.74E-02	1.09E-08	5.67E-06	2.61E-05	1.74E-02	2.21E-02	1.08E-02	4.26E-04	9.58E-04	3.43E-02
136	486683.18	3856093.15	4.99535	0.36263	0.0676	0.2952	1.86E-02	1.08E-02	4.31E-04	9.32E-04	3.08E-02	1.70E-02	1.10E-08	5.74E-06	2.54E-05	1.70E-02	2.16E-02	1.08E-02	4.31E-04	9.32E-04	3.37E-02
137	486733.18	3856093.15	4.84225	0.36209	0.0722	0.29133	1.81E-02	1.08E-02	4.60E-04	9.20E-04	3.03E-02	1.64E-02	1.09E-08	6.14E-06	2.51E-05	1.65E-02	2.09E-02	1.08E-02	4.60E-04	9.20E-04	3.31E-02
138	486783.18	3856093.15	4.76004	0.36337	0.0774	0.28711	1.78E-02	1.08E-02	4.94E-04	9.07E-04	3.00E-02	1.62E-02	1.10E-08	6.58E-06	2.47E-05	1.62E-02	2.05E-02	1.08E-02	4.94E-04	9.07E-04	3.28E-02
139	486533.18	3856143.15	5.97188	0.3805	0.067	0.30279	2.23E-02	1.14E-02	4.27E-04	9.56E-04	3.50E-02	2.03E-02	1.15E-08	5.70E-06	2.61E-05	2.03E-02	2.58E-02	1.14E-02	4.27E-04	9.56E-04	3.85E-02
140	486583.18	3856143.15	5.71182	0.37815	0.0677	0.29828	2.13E-02	1.13E-02	4.32E-04	9.42E-04	3.40E-02	1.94E-02	1.14E-08	5.76E-06	2.57E-05	1.94E-02	2.46E-02	1.13E-02	4.32E-04	9.42E-04	3.73E-02
141	486633.18	3856143.15	5.54116	0.37993	0.0681	0.29377	2.07E-02	1.13E-02	4.34E-04	9.28E-04	3.34E-02	1.88E-02	1.15E-08	5.79E-06	2.53E-05	1.88E-02	2.39E-02	1.13E-02	4.34E-04	9.28E-04	3.66E-02
142	486683.18	3856143.15	5.33477	0.38073	0.0688	0.28927	1.99E-02	1.14E-02	4.39E-04	9.13E-04	3.26E-02	1.81E-02	1.15E-08	5.85E-06	2.49E-05	1.81E-02	2.30E-02	1.14E-02	4.39E-04	9.13E-04	3.57E-02
143	486733.18	3856143.15	5.17072	0.38095	0.0696	0.28329	1.93E-02	1.14E-02	4.44E-04	8.94E-04	3.20E-02	1.76E-02	1.15E-08	5.92E-06	2.44E-05	1.76E-02	2.23E-02	1.14E-02	4.44E-04	8.94E-04	3.50E-02
144	486783.18	3856143.15	5.13017	0.38504	0.0769	0.27788	1.91E-02	1.15E-02	4.90E-04	8.77E-04	3.20E-02	1.74E-02	1.16E-08	6.54E-06	2.39E-05	1.74E-02	2.21E-02	1.15E-02	4.90E-04	8.77E-04	3.50E-02
145	486533.18	3856193.15	6.55436	0.40099	0.0655	0.31387	2.45E-02	1.20E-02	4.17E-04	9.91E-04	3.78E-02	2.23E-02	1.21E-08	5.57E-06	2.70E-05	2.23E-02	2.83E-02	1.20E-02	4.17E-04	9.91E-04	4.17E-02
146	486583.18	3856193.15	6.21125	0.39751	0.0692	0.30458	2.32E-02	1.19E-02	4.41E-04	9.62E-04	3.64E-02	2.11E-02	1.20E-08	5.88E-06	2.62E-05	2.11E-02	2.68E-02	1.19E-02	4.41E-04	9.62E-04	4.01E-02
147	486633.18	3856193.15	5.99668	0.39807	0.07	0.29631	2.24E-02	1.19E-02	4.47E-04	9.36E-04	3.56E-02	2.04E-02	1.20E-08	5.96E-06	2.55E-05	2.04E-02	2.59E-02	1.19E-02	4.47E-04	9.36E-04	3.91E-02
148	486683.18	3856193.15	5.81735	0.40113	0.0705	0.28566	2.17E-02	1.20E-02	4.50E-04	9.02E-04	3.50E-02	1.97E-02	1.21E-08	6.00E-06	2.46E-05	1.98E-02	2.51E-02	1.20E-02	4.50E-04	9.02E-04	3.84E-02
149	486733.18	3856193.15	5.58202	0.4005	0.0711	0.27998	2.08E-02	1.19E-02	4.54E-04	8.84E-04	3.41E-02	1.90E-02	1.21E-08	6.05E-06	2.41E-05	1.90E-02	2.41E-02	1.19E-02	4.54E-04	8.84E-04	3.74E-02
150	486783.18	3856193.15	5.45901	0.40488	0.0736	0.2737	2.04E-02	1.21E-02	4.69E-04	8.64E-04	3.38E-02	1.85E-02	1.22E-08	6.26E-06	2.36E-05	1.86E-02	2.36E-02	1.21E-02	4.69E-04	8.64E-04	3.70E-02
151	486533.18	3856243.15	7.1264	0.42201	0.0669	0.30205	2.66E-02	1.26E-02	4.27E-04	9.54E-04	4.06E-02	2.42E-02	1.27E-08	5.69E-06	2.60E-05	2.42E-02	3.08E-02	1.26E-02	4.27E-04	9.54E-04	4.47E-02
152	486583.18	3856243.15	6.8265	0.42116	0.0673	0.287	2.55E-02	1.26E-02	4.29E-04	9.06E-04	3.94E-02	2.32E-02	1.27E-08	5.73E-06	2.47E-05	2.32E-02	2.95E-02	1.26E-02	4.29E-04	9.06E-04	4.34E-02
153	486633.18	3856243.15	6.53942	0.421	0.0711	0.28133	2.44E-02	1.26E-02	4.53E-04	8.88E-04	3.83E-02	2.22E-02	1.27E-08	6.05E-06	2.42E-05	2.22E-02	2.82E-02	1.26E-02	4.53E-04	8.88E-04	4.21E-02
154	486683.18	3856243.15	6.31234	0.42151	0.0735	0.27754	2.36E-02	1.26E-02	4.69E-04	8.76E-04	3.75E-02	2.14E-02	1.27E-08	6.25E-06	2.39E-05	2.15E-02	2.72E-02	1.26E-02	4.69E-04	8.76E-04	4.12E-02
155	486733.18	3856243.15	6.06848	0.42342	0.0732	0.27338	2.26E-02	1.26E-02	4.67E-04	8.63E-04	3.66E-02	2.06E-02	1.28E-08	6.22E-06	2.35E-05	2.06E-02	2.62E-02	1.26E-02	4.67E-04	8.63E-04	4.01E-02
156	486783.18	3856243.15	5.83415	0.42327	0.0736	0.26897	2.18E-02	1.26E-02	4.69E-04	8.49E-04	3.57E-02	1.98E-02	1.28E-08	6.26E-06	2.32E-05	1.98E-02	2.52E-02	1.26E-02	4.69E-04	8.49E-04	3.91E-02
157	486533.18	3856293.15	7.84271	0.44653	0.0705	0.29965	2.93E-02	1.33E-02	4.50E-04	9.46E-04	4.40E-02	2.66E-02	1.35E-08	6.00E-06	2.58E-05	2.67E-02	3.38E-02	1.33E-02	4.50E-04	9.46E-04	4.86E-02
158	486583.18	3856293.15	7.43936	0.44374	0.0688	0.28933	2.78E-02	1.32E-02	4.39E-04	9.14E-04	4.24E-02	2.53E-02	1.34E-08	5.85E-06	2.49E-05	2.53E-02	3.21E-02	1.32E-02	4.39E-04	9.14E-04	4.67E-02
159	486633.18	3856293.15	7.14023	0.44213	0.0695	0.28389	2.66E-02	1.32E-02	4.43E-04	8.96E-04	4.12E-02	2.42E-02	1.34E-08	5.91E-06	2.44E-05	2.43E-02	3.08E-02	1.32E-02	4.43E-04	8.96E-04	4.53E-02
160	486683.18	3856293.15	6.85058	0.44173	0.0731	0.27969	2.56E-02	1.32E-02	4.67E-04	8.83E-04	4.01E-02	2.33E-02	1.33E-08	6.22E-06	2.41E-05	2.33E-02	2.96E-02	1.32E-02	4.67E-04	8.83E-04	4.41E-02
161	486733.18	3856293.15	6.62019	0.44453	0.0762	0.27353	2.47E-02	1.33E-02	4.86E-04	8.64E-04	3.93E-02	2.25E-02	1.34E-08	6.48E-06	2.36E-05	2.25E-02	2.86E-02	1.33E-02	4.86E-04	8.64E-04	4.32E-02
162	486783.18	3856293.15	6.32724	0.44429	0.076	0.26913	2.36E-02	1.33E-02	4.85E-04	8.50E-04	3.82E-02	2.15E-02	1.34E-08	6.46E-06	2.32E-05	2.15E-02	2.73E-02	1.33E-02	4.85E-04	8.50E-04	4.19E-02
163	486783.18	3856343.15	6.92664	0.46878	0.079	0.26735	2.58E-02	1.40E-02	5.04E-04	8.44E-04	4.12E-02	2.35E-02	1.42E-08	6.72E-06	2.30E-05	2.35E-02	2.99E-02	1.40E-02	5.04E-04	8.44E-04	4.52E-02
164	486833.18	3856343.15	6.66288	0.46944	0.0791	0.26211	2.49E-02	1.40E-02	5.04E-04	8.28E-04	4.02E-02	2.26E-02	1.42E-08	6.72E-06	2.26E-05	2.26E-02	2.88E-02	1.40E-02	5.04E-04	8.28E-04	4.41E-02
165	486883.18	3856343.15	6.43589	0.47131	0.0815	0.25684	2.40E-02	1.41E-02	5.20E-04	8.11E-04	3.94E-02	2.18E-02	1.42E-08	6.93E-06	2.21E-05	2.19E-02	2.78E-02	1.41E-02	5.20E-04	8.11E-04	4.32E-02
166	486783.18	3856393.15	7.49295	0.48752	0.0815	0.26427	2.80E-02	1.45E-02	5.20E-04	8.34E-04	4.39E-02	2.54E-02	1.47E-08	6.93E-06	2.28E-05	2.55E-02	3.23E-02	1.45E-02	5.20E-04	8.34E-04	4.82E-02
167	486833.18	3856393.15	7.17656	0.48912	0.0821	0.26095	2.68E-02	1.46E-02	5.24E-04	8.24E-04	4.27E-02	2.44E-02	1.48E-08	6.98E-06	2.25E-05	2.44E-02	3.10E-02	1.46E-02	5.24E-04	8.24E-04	4.69E-02
168	486883.18	3856393.15	6.87514	0.48867	0.0826	0.25759	2.57E-02	1.46E-02	5.27E-04	8.13E-04	4.16E-02	2.33E-02	1.48E-08	7.03E-06	2.22E-05	2.34E-02	2.97E-02	1.46E-02	5.27E-04	8.13E-04	4.56E-02
169	487208.74	3856886.11	9.9021	0.70011	0.1376	0.20371	3.69E-02	2.09E-02	8.78E-04	6.43E-04	5.94E-02	3.36E-02	2.11E-08	1.17E-05	1.75E-05	3.36E-02	4.27E-02	2.09E-02	8.78E-04	6.43E-04	6.51E-02
170	487258.74	3856886.11	9.17198	0.69513	0.1506	0.20497	3.42E-02	2.07E-02	9.61E-04	6.47E-04	5.66E-02	3.11E-02	2.10E-08	1.28E-05	1.76E-05	3.12E-02	3.96E-02	2.07E-02	9.61E-04	6.47E-04	6.19E-02
171	487308.74	3856886.11	8.60487	0.68972	0.1639	0.20342	3.21E-02	2.06E-02	1.05E-03	6.42E-04	5.44E-02	2.92E-02	2.08E-08	1.39E-05	1.75E-05	2.92E-02	3.71E-02	2.06E-02	1.05E-03	6.42E-04	5.94E-02
172	487358.74	3856886.11	8.04189	0.68255	0.1644	0.20207	3.00E-02	2.04E-02	1.05E-03	6.38E-04	5.21E-02	2.73E-02	2.06E-08	1.40E-05	1.74E-05	2.73E-02	3.47E-02	2.04E-02	1.05E-03	6.38E-04	5.68E-02
173	487208.74	3856936.11	10.6805	0.7239	0.1544	0.20534	3.99E-02	2.16E-02	9.85E-04	6.48E-04	6.31E-02	3.63E-02	2.19E-08	1.31E-05	1.77E-05	3.63E-02	4.61E-02	2.16E-02	9.85E-04	6.48E-04	6.93E-02
174	487258.74	3856936.11	9.82423	0.7194	0.152	0.20319	3.67E-02	2.15E-02	9.70E-04	6.42E-04	5.97E-02	3.34E-02	2.17E-08	1.29E-05	1.75E-05	3.34E-02	4.24E-02	2.15E-02	9.70E-04	6.42E-04	6.55E-02
175	487308.74	3856936.11	9.02045	0.71469	0.1649	0.19995	3.37E-02	2.13E-02	1.05E-03	6.31E-04	5.67E-02	3.06E-02	2.16E-08	1.40E-05	1.72E-05	3.07E-02	3.89E-02	2.13E-02	1.05E-03	6.31E-04	6.19E-02
176	487358.74	3856936.11	8.41463	0.70835	0.1804	0.19685	3.14E-02	2.11E-02	1.15E-03	6.22E-04	5.43E-02	2.86E-02	2.14E-08	1.53E-05	1.70E-05	2.86E-02	3.63E-02	2.11E-02	1.15E-03	6.22E-04	5.92E-02
177	487208.74	3856986.11	11.5035	0.74418	0.1585	0.19909	4.29E-02	2.22E-02	1.01E-03	6.29E-04	6.68E-02	3.91E-02	2.25E-08	1.35E-05	1.71E-05	3.91E-02	4.96E-02	2.22E-02	1.01E-03	6.29E-04	7.35E-02
178	487258.74	3856986.11	10.2398	0.74418	0.1668	0.19774	3.82E-02	2.22E-02	1.06E-03	6.24E-04	6.21E-02	3.48E-02	2.25E-08	1.42E-05	1.70E-05	3.48E-02	4.42E-02	2.22E-02	1.06E-03	6.24E-04	6.81E-02
179	487308.74	3856986.11	9.2927	0.73755	0.1667	0.19622	3.47E-02	2.20E-02	1.06E-03	6.20E-04	5.84E-02	3.15E-02	2.23E-08	1.42E-05	1.69E-05	3.16E-02	4.01E-02	2.20E-02	1.06E-03	6.20E-04	6.38E-02

180	487358.74	3856986.11	8.47893	0.73419	0.1812	0.19159	3.16E-02	2.19E-02	1.16E-03	6.05E-04	5.53E-02	2.88E-02	2.22E-08	1.54E-05	1.65E-05	2.88E-02	3.66E-02	2.19E-02	1.16E-03	6.05E-04	6.03E-02
181	487208.74	3857036.11	11.5244	0.76834	0.1647	0.18981	4.30E-02	2.29E-02	1.05E-03	5.99E-04	6.76E-02	3.91E-02	2.32E-08	1.40E-05	1.63E-05	3.92E-02	4.97E-02	2.29E-02	1.05E-03	5.99E-04	7.43E-02
182	487258.74	3857036.11	10.1336	0.7634	0.1724	0.19127	3.78E-02	2.28E-02	1.10E-03	6.04E-04	6.23E-02	3.44E-02	2.31E-08	1.47E-05	1.65E-05	3.44E-02	4.37E-02	2.28E-02	1.10E-03	6.04E-04	6.82E-02
183	487308.74	3857036.11	9.07581	0.76287	0.1842	0.19066	3.39E-02	2.28E-02	1.17E-03	6.02E-04	5.84E-02	3.08E-02	2.30E-08	1.57E-05	1.64E-05	3.08E-02	3.92E-02	2.28E-02	1.17E-03	6.02E-04	6.37E-02
184	487358.74	3857036.11	8.28488	0.75904	0.1846	0.19023	3.09E-02	2.26E-02	1.18E-03	6.01E-04	5.53E-02	2.81E-02	2.29E-08	1.57E-05	1.64E-05	2.82E-02	3.58E-02	2.26E-02	1.18E-03	6.01E-04	6.02E-02
185	487427.14	3856878.23	7.36603	0.6783	0.1722	0.20065	2.75E-02	2.02E-02	1.10E-03	6.34E-04	4.95E-02	2.50E-02	2.05E-08	1.46E-05	1.73E-05	2.50E-02	3.18E-02	2.02E-02	1.10E-03	6.34E-04	5.38E-02
186	487477.14	3856878.23	6.88104	0.67637	0.1737	0.19947	2.57E-02	2.02E-02	1.11E-03	6.30E-04	4.76E-02	2.34E-02	2.04E-08	1.48E-05	1.72E-05	2.34E-02	2.97E-02	2.02E-02	1.11E-03	6.30E-04	5.16E-02
187	487527.14	3856878.23	6.47201	0.66906	0.1825	0.19864	2.42E-02	2.00E-02	1.16E-03	6.27E-04	4.59E-02	2.20E-02	2.02E-08	1.55E-05	1.71E-05	2.20E-02	2.79E-02	2.00E-02	1.16E-03	6.27E-04	4.97E-02
188	487427.14	3856928.23	7.56691	0.70114	0.1827	0.19296	2.82E-02	2.09E-02	1.17E-03	6.09E-04	5.09E-02	2.57E-02	2.12E-08	1.55E-05	1.66E-05	2.57E-02	3.27E-02	2.09E-02	1.17E-03	6.09E-04	5.53E-02
189	487477.14	3856928.23	7.06511	0.69135	0.1846	0.19177	2.64E-02	2.06E-02	1.18E-03	6.05E-04	4.88E-02	2.40E-02	2.09E-08	1.57E-05	1.65E-05	2.40E-02	3.05E-02	2.06E-02	1.18E-03	6.05E-04	5.29E-02
190	487527.14	3856928.23	6.61584	0.68647	0.1928	0.19254	2.47E-02	2.05E-02	1.23E-03	6.08E-04	4.70E-02	2.25E-02	2.07E-08	1.64E-05	1.66E-05	2.25E-02	2.85E-02	2.05E-02	1.23E-03	6.08E-04	5.09E-02
191	487577.14	3856928.23	6.25437	0.68537	0.1974	0.19346	2.33E-02	2.04E-02	1.26E-03	6.11E-04	4.57E-02	2.12E-02	2.07E-08	1.68E-05	1.67E-05	2.13E-02	2.70E-02	2.04E-02	1.26E-03	6.11E-04	4.93E-02
192	487627.14	3856928.23	5.89481	0.68042	0.1759	0.19453	2.20E-02	2.03E-02	1.12E-03	6.14E-04	4.40E-02	2.00E-02	2.05E-08	1.50E-05	1.68E-05	2.00E-02	2.54E-02	2.03E-02	1.12E-03	6.14E-04	4.75E-02
193	487677.14	3856928.23	5.58038	0.68067	0.1798	0.19378	2.08E-02	2.03E-02	1.15E-03	6.12E-04	4.29E-02	1.89E-02	2.06E-08	1.53E-05	1.67E-05	1.90E-02	2.41E-02	2.03E-02	1.15E-03	6.12E-04	4.61E-02
194	487727.14	3856928.23	5.278	0.67971	0.201	0.19167	1.97E-02	2.03E-02	1.28E-03	6.05E-04	4.19E-02	1.79E-02	2.05E-08	1.71E-05	1.65E-05	1.80E-02	2.28E-02	2.03E-02	1.28E-03	6.05E-04	4.49E-02
195	487777.14	3856928.23	5.00878	0.67612	0.2315	0.19071	1.87E-02	2.02E-02	1.48E-03	6.02E-04	4.09E-02	1.70E-02	2.04E-08	1.97E-05	1.64E-05	1.70E-02	2.16E-02	2.02E-02	1.48E-03	6.02E-04	4.39E-02
196	487427.14	3856978.23	7.5679	0.71955	0.1877	0.19298	2.82E-02	2.15E-02	1.20E-03	6.09E-04	5.15E-02	2.57E-02	2.17E-08	1.60E-05	1.66E-05	2.57E-02	3.27E-02	2.15E-02	1.20E-03	6.09E-04	5.59E-02
197	487477.14	3856978.23	7.02337	0.71353	0.2001	0.18756	2.62E-02	2.13E-02	1.28E-03	5.92E-04	4.94E-02	2.38E-02	2.15E-08	1.70E-05	1.62E-05	2.39E-02	3.03E-02	2.13E-02	1.28E-03	5.92E-04	5.35E-02
198	487527.14	3856978.23	6.56032	0.70696	0.2026	0.18519	2.45E-02	2.11E-02	1.29E-03	5.85E-04	4.74E-02	2.23E-02	2.13E-08	1.72E-05	1.59E-05	2.23E-02	2.83E-02	2.11E-02	1.29E-03	5.85E-04	5.13E-02
199	487577.14	3856978.23	6.13204	0.70535	0.2119	0.18447	2.29E-02	2.10E-02	1.35E-03	5.82E-04	4.59E-02	2.08E-02	2.13E-08	1.80E-05	1.59E-05	2.09E-02	2.65E-02	2.10E-02	1.35E-03	5.82E-04	4.94E-02
200	487627.14	3856978.23	5.76418	0.6994	0.1968	0.18596	2.15E-02	2.09E-02	1.26E-03	5.87E-04	4.42E-02	1.96E-02	2.11E-08	1.67E-05	1.60E-05	1.96E-02	2.49E-02	2.09E-02	1.26E-03	5.87E-04	4.76E-02
201	487677.14	3856978.23	5.4518	0.69966	0.191	0.18538	2.03E-02	2.09E-02	1.22E-03	5.85E-04	4.30E-02	1.85E-02	2.11E-08	1.62E-05	1.60E-05	1.85E-02	2.35E-02	2.09E-02	1.22E-03	5.85E-04	4.62E-02
202	487727.14	3856978.23	5.18595	0.68693	0.2089	0.1853	1.94E-02	2.05E-02	1.33E-03	5.85E-04	4.18E-02	1.76E-02	2.07E-08	1.78E-05	1.60E-05	1.76E-02	2.24E-02	2.05E-02	1.33E-03	5.85E-04	4.48E-02
203	487777.14	3856978.23	4.90321	0.69795	0.2394	0.185	1.83E-02	2.08E-02	1.53E-03	5.84E-04	4.12E-02	1.66E-02	2.11E-08	2.04E-05	1.59E-05	1.67E-02	2.12E-02	2.08E-02	1.53E-03	5.84E-04	4.41E-02
204	487427.14	3857028.23	7.47223	0.74992	0.2007	0.18742	2.79E-02	2.24E-02	1.28E-03	5.92E-04	5.21E-02	2.54E-02	2.26E-08	1.71E-05	1.61E-05	2.54E-02	3.22E-02	2.24E-02	1.28E-03	5.92E-04	5.65E-02
205	487477.14	3857028.23	6.9306	0.74073	0.2068	0.18414	2.59E-02	2.21E-02	1.32E-03	5.81E-04	4.99E-02	2.35E-02	2.24E-08	1.76E-05	1.59E-05	2.36E-02	2.99E-02	2.21E-02	1.32E-03	5.81E-04	5.39E-02
206	487527.14	3857028.23	6.4586	0.73063	0.2175	0.18269	2.41E-02	2.18E-02	1.39E-03	5.77E-04	4.79E-02	2.19E-02	2.21E-08	1.85E-05	1.57E-05	2.20E-02	2.79E-02	2.18E-02	1.39E-03	5.77E-04	5.16E-02
207	487577.14	3857028.23	6.02294	0.72588	0.2254	0.18186	2.25E-02	2.17E-02	1.44E-03	5.74E-04	4.61E-02	2.04E-02	2.19E-08	1.92E-05	1.57E-05	2.05E-02	2.60E-02	2.17E-02	1.44E-03	5.74E-04	4.97E-02
208	487627.14	3857028.23	5.68866	0.71991	0.2238	0.18122	2.12E-02	2.15E-02	1.43E-03	5.72E-04	4.47E-02	1.93E-02	2.17E-08	1.90E-05	1.56E-05	1.93E-02	2.45E-02	2.15E-02	1.43E-03	5.72E-04	4.80E-02
209	487677.14	3857028.23	5.37059	0.71868	0.2088	0.18262	2.00E-02	2.14E-02	1.33E-03	5.77E-04	4.34E-02	1.82E-02	2.17E-08	1.78E-05	1.57E-05	1.83E-02	2.32E-02	2.14E-02	1.33E-03	5.77E-04	4.65E-02
210	487727.14	3857028.23	5.08252	0.72095	0.2168	0.18102	1.90E-02	2.15E-02	1.38E-03	5.72E-04	4.24E-02	1.73E-02	2.18E-08	1.84E-05	1.56E-05	1.73E-02	2.19E-02	2.15E-02	1.38E-03	5.72E-04	4.54E-02
211	487777.14	3857028.23	4.82473	0.71984	0.2505	0.17991	1.80E-02	2.15E-02	1.60E-03	5.68E-04	4.16E-02	1.64E-02	2.17E-08	2.13E-05	1.55E-05	1.64E-02	2.08E-02	2.15E-02	1.60E-03	5.68E-04	4.45E-02
212	487427.14	3857078.23	6.94601	0.76949	0.2135	0.18278	2.59E-02	2.30E-02	1.36E-03	5.77E-04	5.08E-02	2.36E-02	2.32E-08	1.82E-05	1.57E-05	2.36E-02	3.00E-02	2.30E-02	1.36E-03	5.77E-04	5.49E-02
213	487477.14	3857078.23	6.45087	0.75926	0.218	0.18301	2.41E-02	2.27E-02	1.39E-03	5.78E-04	4.87E-02	2.19E-02	2.29E-08	1.85E-05	1.58E-05	2.19E-02	2.78E-02	2.27E-02	1.39E-03	5.78E-04	5.25E-02
214	487527.14	3857078.23	6.05747	0.75179	0.2339	0.18043	2.26E-02	2.24E-02	1.49E-03	5.70E-04	4.71E-02	2.06E-02	2.27E-08	1.99E-05	1.55E-05	2.06E-02	2.61E-02	2.24E-02	1.49E-03	5.70E-04	5.06E-02
215	487577.14	3857078.23	5.71205	0.74608	0.2404	0.17825	2.13E-02	2.23E-02	1.53E-03	5.63E-04	4.57E-02	1.94E-02	2.25E-08	2.04E-05	1.53E-05	1.94E-02	2.46E-02	2.23E-02	1.53E-03	5.63E-04	4.90E-02
216	487627.14	3857078.23	5.3931	0.74253	0.2505	0.17682	2.01E-02	2.22E-02	1.60E-03	5.58E-04	4.44E-02	1.83E-02	2.24E-08	2.13E-05	1.52E-05	1.83E-02	2.33E-02	2.22E-02	1.60E-03	5.58E-04	4.76E-02
217	487677.14	3857078.23	5.12003	0.74363	0.2296	0.18109	1.91E-02	2.22E-02	1.46E-03	5.72E-04	4.33E-02	1.74E-02	2.25E-08	1.95E-05	1.56E-05	1.74E-02	2.21E-02	2.22E-02	1.46E-03	5.72E-04	4.63E-02
218	487727.14	3857078.23	4.87322	0.74617	0.2301	0.18033	1.82E-02	2.23E-02	1.47E-03	5.69E-04	4.25E-02	1.65E-02	2.25E-08	1.96E-05	1.55E-05	1.66E-02	2.10E-02	2.23E-02	1.47E-03	5.69E-04	4.53E-02
219	487777.14	3857078.23	4.65802	0.73965	0.2624	0.1789	1.74E-02	2.21E-02	1.67E-03	5.65E-04	4.17E-02	1.58E-02	2.23E-08	2.23E-05	1.54E-05	1.59E-02	2.01E-02	2.21E-02	1.67E-03	5.65E-04	4.44E-02
220	487427.14	3857128.23	6.52202	0.7931	0.2171	0.17637	2.43E-02	2.37E-02	1.39E-03	5.57E-04	4.99E-02	2.21E-02	2.40E-08	1.85E-05	1.52E-05	2.22E-02	2.81E-02	2.37E-02	1.39E-03	5.57E-04	5.37E-02
221	487477.14	3857128.23	6.10331	0.77921	0.2371	0.17819	2.28E-02	2.32E-02	1.51E-03	5.63E-04	4.81E-02	2.07E-02	2.35E-08	2.02E-05	1.53E-05	2.08E-02	2.63E-02	2.32E-02	1.51E-03	5.63E-04	5.17E-02
222	487527.14	3857128.23	5.73165	0.77055	0.2412	0.17649	2.14E-02	2.30E-02	1.54E-03	5.57E-04	4.65E-02	1.95E-02	2.33E-08	2.05E-05	1.52E-05	1.95E-02	2.47E-02	2.30E-02	1.54E-03	5.57E-04	4.98E-02
223	487577.14	3857128.23	5.40015	0.76751	0.2549	0.17293	2.02E-02	2.29E-02	1.63E-03	5.46E-04	4.52E-02	1.83E-02	2.32E-08	2.17E-05	1.49E-05	1.84E-02	2.33E-02	2.29E-02	1.63E-03	5.46E-04	4.84E-02
224	487627.14	3857128.23	5.14262	0.76492	0.2727	0.17371	1.92E-02	2.28E-02	1.74E-03	5.48E-04	4.43E-02	1.75E-02	2.31E-08	2.32E-05	1.50E-05	1.75E-02	2.22E-02	2.28E-02	1.74E-03	5.48E-04	4.73E-02
225	487677.14	3857128.23	4.91524	0.7624	0.2516	0.1708	1.83E-02	2.27E-02	1.61E-03	5.39E-04	4.32E-02	1.67E-02	2.30E-08	2.14E-05	1.47E-05	1.67E-02	2.12E-02	2.27E-02	1.61E-03	5.39E-04	4.61E-02
226	487727.14	3857128.23	4.68253	0.76674	0.2474	0.17197	1.75E-02	2.29E-02	1.58E-03	5.43E-04	4.25E-02	1.59E-02	2.32E-08	2.10E-05	1.48E-05	1.59E-02	2.02E-02	2.29E-02	1.58E-03	5.43E-04	4.52E-02
227	487777.14	3857128.23	4.4669	0.76147	0.2742	0.17016	1.67E-02	2.27E-02	1.75E-03	5.37E-04	4.17E-02	1.52E-02	2.30E-08	2.33E-05	1.47E-05	1.52E-02	1.93E-02	2.27E-02	1.75E-03	5.37E-04	4.43E-02
228	488049.44	3856539.39	3.62608	0.53174	0.1758	0.1849	1.35E-02	1.59E-02	1.12E-03	5.84E-04	3.11E-02	1.23E-02	1.61E-08	1.50E-05	1.59E-05	1.23E-02	1.56E-02	1.59E-02	1.12E-03	5.84E-04	3.32E-02
229	488099.44	3856539.39	3.52887	0.52445	0.1786	0.18418	1.32E-02	1.56E-02	1.14E-03	5.82E-04	3.05E-02	1.20E-02	1.58E-08	1.52E-05	1.59E-05	1.20E-02	1.52E-02	1.56E-02	1.14E-03	5.82E-04	3.26E-02
230	488149.44	3856539.39	3.44383	0.51927	0.1706	0.18448	1.29E-02	1.55E-02	1.09E-03	5.82E-04	3.00E-02	1.17E-02	1.57E-08	1.45E-05	1.59E-05	1.17E-02	1.49E-02	1.55E-02	1.09E-03	5.82E-04	3.20E-02
231	488049.44	3856589.39	3.68946	0.54865	0.1862	0.18709	1.38E-02	1.64E-02	1.19E-03	5.91E-04	3.19E-02	1.25E-02	1.66E-08	1.58E-05	1.61E-05	1.26E-02	1.59E-02	1.64E-02	1.19E-03	5.91E-04	3.41E-02
232	488099.44	3856589.39	3.59816	0.54176	0.1885	0.18266	1.34E-02	1.62E-02	1.20E-03	5.77E-04	3.14E-02	1.22E-02	1.64E-08	1.60E-05	1.57E-05	1.22E-02	1.55E-02	1.62E-02	1.20E-03	5.77E-04	3.35E-02
233	488149.44	3856589.39	3.50542	0.53555	0.1784	0.18277	1.31E-02	1.60E-02	1.14E-03	5.77E-04	3.08E-02	1.19E-02	1.62E-08	1.52E-05	1.57E-05	1.19E-02	1.51E-02	1.60E-02	1.14E-03	5.77E-04	3.28E-02
234	488199.44	3856589.39	3.41909	0.52494	0.174	0.1825	1.28E-02	1.57E-02	1.11E-03	5.76E-04	3.01E-02	1.16E-02	1.59E-08	1.48E-05	1.57E-05	1.16E-02	1.48E-02	1.57E-02	1.11E-03	5.76E-04	3.21E-02
235	488249.44	3856589.39	3.33659	0.52486	0.1772	0.18138	1.25E-02	1.57E-02	1.13E-03	5.73E-04	2.98E-02	1.13E-02	1.58E-08	1.51E-05	1.56E-05	1.14E-02	1.44E-02	1.57E-02	1.13E-03	5.73E-04	3.18E-02
236	488049.44	3856639.39	3.77239	0.56749	0.1964	0.189	1.41E-02	1.69E-02	1.25E-03	5.97E-04	3.29E-02	1.28E-02	1.71E-08	1.67E-05	1.63E-05	1.28E-02	1.63E-02	1.69E-02	1.25E-03	5.97E-04	3.51E-02
237	488099.44	3856639.39	3.66817	0.56121	0.1988	0.18636	1.37E-02	1.67E-02	1.27E-03	5.88E-04	3.23E-02	1.25E-02	1.69E-08	1.69E-05	1.60E-05	1.25E-02	1.58E-02	1.67E-02	1.27E-03	5.88E-04	3.44E-02
238	488149.44	3856639.39	3.56432	0.55174	0.1875	0.18177	1.33E-02	1.65E-02	1.20E-03	5.74E-04	3.15E-02	1.21E-02	1.67E-08	1.59E-05	1.57E-05	1.21E-02	1.54E-02	1.65E-02	1.20E-03	5.74E-04	3.36E-02
239	488199.44	3856639.39	3.47269	0.54681	0.1811	0.18085	1.30E-02	1.63E-02	1.16E-03	5.71E-04	3.10E-02	1.18E-02	1.65E-08	1.54E-05	1.56E-05	1.18E-02	1.50E-02	1.63E-02	1.16E-03	5.71E-04	3.30E-02
240	488249.44	3856639.39	3.38813	0.53978	0.1902	0.17938	1.26E-02	1.61E-02	1.21E-03	5.66E-04	3.05E-02	1.15E-02	1.63E-08	1.62E-05	1.54E-05	1.15E-02	1.46E-02	1.61E-02	1.21E-03	5.66E-04	3.25E-02

241	488299.44	3856639.39	3.3072	0.53272	0.2133	0.1779	1.23E-02	1.59E-02	1.36E-03	5.62E-04	3.02E-02	1.12E-02	1.61E-08	1.81E-05	1.53E-05	1.13E-02	1.43E-02	1.59E-02	1.36E-03	5.62E-04	3.21E-02
242	488349.44	3856639.39	3.23057	0.52828	0.2262	0.17678	1.21E-02	1.58E-02	1.44E-03	5.58E-04	2.98E-02	1.10E-02	1.60E-08	1.92E-05	1.52E-05	1.10E-02	1.39E-02	1.58E-02	1.44E-03	5.58E-04	3.17E-02
243	488399.44	3856639.39	3.14467	0.52841	0.2227	0.1756	1.17E-02	1.58E-02	1.42E-03	5.54E-04	2.95E-02	1.07E-02	1.60E-08	1.89E-05	1.51E-05	1.07E-02	1.36E-02	1.58E-02	1.42E-03	5.54E-04	3.13E-02
244	488099.44	3856689.39	3.74746	0.58135	0.2097	0.19017	1.40E-02	1.73E-02	1.34E-03	6.00E-04	3.33E-02	1.27E-02	1.76E-08	1.78E-05	1.64E-05	1.28E-02	1.62E-02	1.73E-02	1.34E-03	6.00E-04	3.55E-02
245	488149.44	3856689.39	3.64644	0.56868	0.1971	0.18455	1.36E-02	1.70E-02	1.26E-03	5.83E-04	3.24E-02	1.24E-02	1.72E-08	1.68E-05	1.59E-05	1.24E-02	1.57E-02	1.70E-02	1.26E-03	5.83E-04	3.45E-02
246	488199.44	3856689.39	3.54624	0.56331	0.1887	0.18233	1.32E-02	1.68E-02	1.20E-03	5.76E-04	3.18E-02	1.20E-02	1.70E-08	1.60E-05	1.57E-05	1.21E-02	1.53E-02	1.68E-02	1.20E-03	5.76E-04	3.39E-02
247	488249.44	3856689.39	3.45425	0.55424	0.2043	0.18053	1.29E-02	1.65E-02	1.30E-03	5.70E-04	3.13E-02	1.17E-02	1.67E-08	1.74E-05	1.55E-05	1.18E-02	1.49E-02	1.65E-02	1.30E-03	5.70E-04	3.33E-02
248	488299.44	3856689.39	3.36209	0.55161	0.2249	0.17936	1.25E-02	1.65E-02	1.43E-03	5.66E-04	3.10E-02	1.14E-02	1.67E-08	1.91E-05	1.54E-05	1.14E-02	1.45E-02	1.65E-02	1.43E-03	5.66E-04	3.30E-02
249	488349.44	3856689.39	3.27714	0.54376	0.2363	0.17842	1.22E-02	1.62E-02	1.51E-03	5.63E-04	3.05E-02	1.11E-02	1.64E-08	2.01E-05	1.54E-05	1.12E-02	1.41E-02	1.62E-02	1.51E-03	5.63E-04	3.24E-02
250	488399.44	3856689.39	3.1969	0.53203	0.2315	0.17716	1.19E-02	1.59E-02	1.48E-03	5.59E-04	2.98E-02	1.09E-02	1.61E-08	1.97E-05	1.53E-05	1.09E-02	1.38E-02	1.59E-02	1.48E-03	5.59E-04	3.17E-02
251	488099.44	3856739.39	3.81109	0.59835	0.2209	0.19299	1.42E-02	1.79E-02	1.41E-03	6.09E-04	3.41E-02	1.29E-02	1.81E-08	1.88E-05	1.66E-05	1.30E-02	1.64E-02	1.79E-02	1.41E-03	6.09E-04	3.63E-02
252	488149.44	3856739.39	3.71205	0.58549	0.2063	0.18762	1.39E-02	1.75E-02	1.32E-03	5.92E-04	3.32E-02	1.26E-02	1.77E-08	1.75E-05	1.62E-05	1.26E-02	1.60E-02	1.75E-02	1.32E-03	5.92E-04	3.54E-02
253	488199.44	3856739.39	3.61055	0.58375	0.2047	0.18503	1.35E-02	1.74E-02	1.31E-03	5.84E-04	3.28E-02	1.23E-02	1.76E-08	1.74E-05	1.59E-05	1.23E-02	1.56E-02	1.74E-02	1.31E-03	5.84E-04	3.49E-02
254	488249.44	3856739.39	3.51234	0.5727	0.2207	0.18353	1.31E-02	1.71E-02	1.41E-03	5.79E-04	3.22E-02	1.19E-02	1.73E-08	1.88E-05	1.58E-05	1.20E-02	1.52E-02	1.71E-02	1.41E-03	5.79E-04	3.42E-02
255	488299.44	3856739.39	3.42162	0.55841	0.2387	0.18154	1.28E-02	1.67E-02	1.52E-03	5.73E-04	3.15E-02	1.16E-02	1.69E-08	2.03E-05	1.56E-05	1.17E-02	1.48E-02	1.67E-02	1.52E-03	5.73E-04	3.35E-02
256	488349.44	3856739.39	3.2968	0.55756	0.2458	0.17952	1.23E-02	1.66E-02	1.57E-03	5.67E-04	3.11E-02	1.12E-02	1.68E-08	2.09E-05	1.55E-05	1.12E-02	1.42E-02	1.66E-02	1.57E-03	5.67E-04	3.30E-02
257	488399.44	3856739.39	3.19071	0.5592	0.242	0.1779	1.19E-02	1.67E-02	1.54E-03	5.62E-04	3.07E-02	1.08E-02	1.69E-08	2.06E-05	1.53E-05	1.09E-02	1.38E-02	1.67E-02	1.54E-03	5.62E-04	3.26E-02
258	487999.44	3856789.39	4.12565	0.62102	0.2444	0.18946	1.54E-02	1.85E-02	1.56E-03	5.98E-04	3.61E-02	1.40E-02	1.88E-08	2.08E-05	1.63E-05	1.40E-02	1.78E-02	1.85E-02	1.56E-03	5.98E-04	3.85E-02
259	488049.44	3856789.39	3.97725	0.61474	0.2358	0.18913	1.48E-02	1.83E-02	1.50E-03	5.97E-04	3.53E-02	1.35E-02	1.86E-08	2.01E-05	1.63E-05	1.35E-02	1.72E-02	1.83E-02	1.50E-03	5.97E-04	3.76E-02
260	488099.44	3856789.39	3.85281	0.61257	0.2267	0.18963	1.44E-02	1.83E-02	1.45E-03	5.99E-04	3.47E-02	1.31E-02	1.85E-08	1.93E-05	1.63E-05	1.31E-02	1.66E-02	1.83E-02	1.45E-03	5.99E-04	3.69E-02
261	488149.44	3856789.39	3.7434	0.60384	0.2166	0.18582	1.40E-02	1.80E-02	1.38E-03	5.87E-04	3.40E-02	1.27E-02	1.82E-08	1.84E-05	1.60E-05	1.27E-02	1.62E-02	1.80E-02	1.38E-03	5.87E-04	3.61E-02
262	488199.44	3856789.39	3.63019	0.59881	0.2187	0.18229	1.35E-02	1.79E-02	1.39E-03	5.76E-04	3.34E-02	1.23E-02	1.81E-08	1.86E-05	1.57E-05	1.24E-02	1.57E-02	1.79E-02	1.39E-03	5.76E-04	3.55E-02
263	488249.44	3856789.39	3.49636	0.58766	0.2402	0.18177	1.30E-02	1.75E-02	1.53E-03	5.74E-04	3.27E-02	1.19E-02	1.77E-08	2.04E-05	1.57E-05	1.19E-02	1.51E-02	1.75E-02	1.53E-03	5.74E-04	3.47E-02
264	488299.44	3856789.39	3.38477	0.57519	0.2514	0.181	1.26E-02	1.72E-02	1.60E-03	5.71E-04	3.20E-02	1.15E-02	1.74E-08	2.14E-05	1.56E-05	1.15E-02	1.46E-02	1.72E-02	1.60E-03	5.71E-04	3.39E-02
265	488349.44	3856789.39	3.27682	0.5764	0.2607	0.18005	1.22E-02	1.72E-02	1.66E-03	5.68E-04	3.17E-02	1.11E-02	1.74E-08	2.22E-05	1.55E-05	1.12E-02	1.41E-02	1.72E-02	1.66E-03	5.68E-04	3.36E-02
266	488399.44	3856789.39	3.17496	0.57743	0.2627	0.17897	1.18E-02	1.72E-02	1.68E-03	5.65E-04	3.13E-02	1.08E-02	1.74E-08	2.23E-05	1.54E-05	1.08E-02	1.37E-02	1.72E-02	1.68E-03	5.65E-04	3.32E-02
267	487949.44	3856839.39	4.3308	0.64196	0.2434	0.17984	1.62E-02	1.92E-02	1.55E-03	5.68E-04	3.74E-02	1.47E-02	1.94E-08	2.07E-05	1.55E-05	1.47E-02	1.87E-02	1.92E-02	1.55E-03	5.68E-04	4.00E-02
268	487999.44	3856839.39	4.16905	0.63837	0.2569	0.17844	1.56E-02	1.90E-02	1.64E-03	5.63E-04	3.68E-02	1.42E-02	1.93E-08	2.18E-05	1.54E-05	1.42E-02	1.80E-02	1.90E-02	1.64E-03	5.63E-04	3.92E-02
269	488049.44	3856839.39	4.01825	0.63265	0.2476	0.17916	1.50E-02	1.89E-02	1.58E-03	5.66E-04	3.60E-02	1.36E-02	1.91E-08	2.11E-05	1.54E-05	1.37E-02	1.73E-02	1.89E-02	1.58E-03	5.66E-04	3.84E-02
270	488099.44	3856839.39	3.88141	0.62931	0.2321	0.17971	1.45E-02	1.88E-02	1.48E-03	5.67E-04	3.53E-02	1.32E-02	1.90E-08	1.97E-05	1.55E-05	1.32E-02	1.67E-02	1.88E-02	1.48E-03	5.67E-04	3.76E-02
271	488149.44	3856839.39	3.73296	0.62112	0.2307	0.1784	1.39E-02	1.85E-02	1.47E-03	5.63E-04	3.45E-02	1.27E-02	1.88E-08	1.96E-05	1.54E-05	1.27E-02	1.61E-02	1.85E-02	1.47E-03	5.63E-04	3.67E-02
272	488199.44	3856839.39	3.59808	0.61461	0.2315	0.17324	1.34E-02	1.83E-02	1.48E-03	5.47E-04	3.38E-02	1.22E-02	1.86E-08	1.97E-05	1.49E-05	1.23E-02	1.55E-02	1.83E-02	1.48E-03	5.47E-04	3.59E-02
273	487949.44	3856889.39	4.2942	0.65466	0.2577	0.17491	1.60E-02	1.95E-02	1.64E-03	5.52E-04	3.78E-02	1.46E-02	1.98E-08	2.19E-05	1.51E-05	1.46E-02	1.85E-02	1.95E-02	1.64E-03	5.52E-04	4.03E-02
274	487999.44	3856889.39	4.11881	0.65841	0.2707	0.17338	1.54E-02	1.96E-02	1.73E-03	5.47E-04	3.73E-02	1.40E-02	1.99E-08	2.30E-05	1.49E-05	1.40E-02	1.78E-02	1.96E-02	1.73E-03	5.47E-04	3.97E-02
275	488049.44	3856889.39	3.97003	0.6512	0.257	0.17327	1.48E-02	1.94E-02	1.64E-03	5.47E-04	3.64E-02	1.35E-02	1.97E-08	2.19E-05	1.49E-05	1.35E-02	1.71E-02	1.94E-02	1.64E-03	5.47E-04	3.87E-02
276	488099.44	3856889.39	3.82103	0.64808	0.2366	0.17284	1.43E-02	1.93E-02	1.51E-03	5.46E-04	3.56E-02	1.30E-02	1.96E-08	2.01E-05	1.49E-05	1.30E-02	1.65E-02	1.93E-02	1.51E-03	5.46E-04	3.79E-02
277	488635.86	3857895.05	1.53253	1.01841	5.9938	0.14429	5.72E-03	3.04E-02	3.82E-02	4.56E-04	7.48E-02	5.20E-03	3.08E-08	5.10E-04	1.24E-05	5.73E-03	6.61E-03	3.04E-02	3.82E-02	4.56E-04	7.57E-02
278	489137.64	3857804.15	1.39132	0.88873	2.5694	0.14433	5.19E-03	2.65E-02	1.64E-02	4.56E-04	4.86E-02	4.72E-03	2.68E-08	2.19E-04	1.24E-05	4.95E-03	6.00E-03	2.65E-02	1.64E-02	4.56E-04	4.94E-02
279	488617.32	3857859.41	1.5865	0.99033	5.9261	0.14477	5.92E-03	2.95E-02	3.78E-02	4.57E-04	7.37E-02	5.39E-03	2.99E-08	5.04E-04	1.25E-05	5.90E-03	6.85E-03	2.95E-02	3.78E-02	4.57E-04	7.46E-02
280	488667.32	3857859.41	1.55336	0.9871	5.3483	0.14107	5.80E-03	2.94E-02	3.41E-02	4.45E-04	6.98E-02	5.27E-03	2.98E-08	4.55E-04	1.21E-05	5.74E-03	6.70E-03	2.94E-02	3.41E-02	4.45E-04	7.07E-02
281	488717.32	3857859.41	1.53206	0.97964	4.8278	0.14134	5.72E-03	2.92E-02	3.08E-02	4.46E-04	6.62E-02	5.20E-03	2.96E-08	4.11E-04	1.22E-05	5.62E-03	6.61E-03	2.92E-02	3.08E-02	4.46E-04	6.71E-02
282	488767.32	3857859.41	1.50551	0.97685	4.4003	0.14462	5.62E-03	2.91E-02	2.81E-02	4.57E-04	6.33E-02	5.11E-03	2.95E-08	3.74E-04	1.25E-05	5.50E-03	6.50E-03	2.91E-02	2.81E-02	4.57E-04	6.42E-02
283	488617.32	3857909.41	1.54543	1.03036	6.3656	0.14906	5.77E-03	3.07E-02	4.06E-02	4.71E-04	7.76E-02	5.25E-03	3.11E-08	5.41E-04	1.28E-05	5.80E-03	6.67E-03	3.07E-02	4.06E-02	4.71E-04	7.85E-02
284	488667.32	3857909.41	1.5065	1.02596	5.7452	0.14759	5.62E-03	3.06E-02	3.66E-02	4.66E-04	7.33E-02	5.11E-03	3.10E-08	4.89E-04	1.27E-05	5.62E-03	6.50E-03	3.06E-02	3.66E-02	4.66E-04	7.42E-02
285	488717.32	3857909.41	1.50398	1.01175	5.1406	0.14993	5.61E-03	3.02E-02	3.28E-02	4.73E-04	6.91E-02	5.11E-03	3.06E-08	4.37E-04	1.29E-05	5.56E-03	6.49E-03	3.02E-02	3.28E-02	4.73E-04	6.99E-02
286	488767.32	3857909.41	1.46592	1.01163	4.6266	0.14815	5.47E-03	3.02E-02	2.95E-02	4.68E-04	6.56E-02	4.98E-03	3.05E-08	3.93E-04	1.28E-05	5.38E-03	6.33E-03	3.02E-02	2.95E-02	4.68E-04	6.65E-02
287	488417.32	3857959.41	1.63044	1.12366	10.982	0.1608	6.08E-03	3.35E-02	7.00E-02	5.08E-04	1.10E-01	5.54E-03	3.39E-08	9.34E-04	1.38E-05	6.48E-03	7.04E-03	3.35E-02	7.00E-02	5.08E-04	1.11E-01
288	488467.32	3857959.41	1.6211	1.10775	9.5814	0.15902	6.05E-03	3.30E-02	6.11E-02	5.02E-04	1.01E-01	5.50E-03	3.35E-08	8.15E-04	1.37E-05	6.33E-03	7.00E-03	3.30E-02	6.11E-02	5.02E-04	1.02E-01
289	488517.32	3857959.41	1.61152	1.09118	8.4518	0.15687	6.01E-03	3.26E-02	5.39E-02	4.95E-04	9.30E-02	5.47E-03	3.30E-08	7.19E-04	1.35E-05	6.20E-03	6.95E-03	3.26E-02	5.39E-02	4.95E-04	9.39E-02
290	488567.32	3857959.41	1.58193	1.08909	7.3966	0.15239	5.90E-03	3.25E-02	4.72E-02	4.81E-04	8.61E-02	5.37E-03	3.29E-08	6.29E-04	1.31E-05	6.01E-03	6.83E-03	3.25E-02	4.72E-02	4.81E-04	8.70E-02
291	488617.32	3857959.41	1.53098	1.08078	6.5776	0.15338	5.71E-03	3.22E-02	4.20E-02	4.84E-04	8.04E-02	5.20E-03	3.26E-08	5.59E-04	1.32E-05	5.77E-03	6.61E-03	3.22E-02	4.20E-02	4.84E-04	8.13E-02
292	488667.32	3857959.41	1.50842	1.06489	5.8745	0.15359	5.63E-03	3.18E-02	3.75E-02	4.85E-04	7.54E-02	5.12E-03	3.22E-08	5.00E-04	1.32E-05	5.63E-03	6.51E-03	3.18E-02	3.75E-02	4.85E-04	7.62E-02
293	488717.32	3857959.41	1.46061	1.05798	5.2705	0.15401	5.45E-03	3.16E-02	3.36E-02	4.86E-04	7.11E-02	4.96E-03	3.19E-08	4.48E-04	1.33E-05	5.42E-03	6.30E-03	3.16E-02	3.36E-02	4.86E-04	7.20E-02
294	488767.32	3857959.41	1.43809	1.04772	4.7379	0.15868	5.37E-03	3.13E-02	3.02E-02	5.01E-04	6.73E-02	4.88E-03	3.16E-08	4.03E-04	1.37E-05	5.30E-03	6.21E-03	3.13E-02	3.02E-02	5.01E-04	6.82E-02
295	488417.32	3858009.41	1.56557	1.15648	11.007	0.16193	5.84E-03	3.45E-02	7.02E-02	5.11E-04	1.11E-01	5.32E-03	3.49E-08	9.36E-04	1.39E-05	6.27E-03	6.76E-03	3.45E-02	7.02E-02	5.11E-04	1.12E-01
296	488467.32	3858009.41	1.55291	1.14599	9.4984	0.15417	5.79E-03	3.42E-02	6.06E-02	4.87E-04	1.01E-01	5.27E-03	3.46E-08	8.08E-04	1.33E-05	6.09E-03	6.70E-03	3.42E-02	6.06E-02	4.87E-04	1.02E-01
297	488517.32	3858009.41	1.5402	1.14077	8.2783	0.16034	5.75E-03	3.40E-02	5.28E-02	5.06E-04	9.31E-02	5.23E-03	3.44E-08	7.04E-04	1.38E-05	5.95E-03	6.65E-03	3.40E-02	5.28E-02	5.06E-04	9.40E-02
298	488567.32	3858009.41	1.55143	1.12685	7.3037	0.16535	5.79E-03	3.36E-02	4.66E-02	5.22E-04	8.65E-02	5.27E-03	3.40E-08	6.21E-04	1.42E-05	5.90E-03	6.69E-03	3.36E-02	4.66E-02	5.22E-04	8.74E-02
299	488617.32	3858009.41	1.52621	1.11857	6.457	0.16217	5.70E-03	3.34E-02	4.12E-02	5.12E-04	8.08E-02	5.18E-03	3.38E-08	5.49E-04	1.40E-05	5.74E-03	6.59E-03	3.34E-02	4.12E-02	5.12E-04	8.17E-02
300	488667.32	3858009.41	1.47419	1.10547	5.7335	0.16116	5.50E-03	3.30E-02	3.66E-02	5.09E-04	7.56E-02	5.00E-03	3.34E-08	4.88E-04	1.39E-05	5.51E-03	6.36E-03	3.30E-02	3.66E-02	5.09E-04	7.64E-02
301	488717.32	3858009.41	1.4476	1.09352	5.1095	0.16589	5.40E-03	3.26E-02	3.26E-02	5.24E-04	7.11E-02	4.91E-03	3.30E-08	4.35E-04	1.43E-05	5.36E-03	6.25E-03	3.26E-02	3.26E-02	5.24E-04	7.20E-02

302	488767.32	3858009.41	1.43184	1.08062	4.5898	0.16719	5.34E-03	3.22E-02	2.93E-02	5.28E-04	6.74E-02	4.86E-03	3.26E-08	3.90E-04	1.44E-05	5.27E-03	6.18E-03	3.22E-02	2.93E-02	5.28E-04	6.82E-02
303	488417.32	3858059.41	1.51871	1.20965	10.599	0.1635	5.67E-03	3.61E-02	6.76E-02	5.16E-04	1.10E-01	5.16E-03	3.65E-08	9.01E-04	1.41E-05	6.07E-03	6.55E-03	3.61E-02	6.76E-02	5.16E-04	1.11E-01
304	488467.32	3858059.41	1.48317	1.20469	9.0623	0.1686	5.53E-03	3.59E-02	5.78E-02	5.32E-04	9.98E-02	5.04E-03	3.64E-08	7.71E-04	1.45E-05	5.82E-03	6.40E-03	3.59E-02	5.78E-02	5.32E-04	1.01E-01
305	488517.32	3858059.41	1.47057	1.18927	7.607	0.17197	5.49E-03	3.55E-02	4.85E-02	5.43E-04	9.00E-02	4.99E-03	3.59E-08	6.47E-04	1.48E-05	5.65E-03	6.35E-03	3.55E-02	4.85E-02	5.43E-04	9.09E-02
306	488567.32	3858059.41	1.47334	1.18615	6.7497	0.17548	5.50E-03	3.54E-02	4.31E-02	5.54E-04	8.45E-02	5.00E-03	3.58E-08	5.74E-04	1.51E-05	5.59E-03	6.36E-03	3.54E-02	4.31E-02	5.54E-04	8.54E-02
307	488617.32	3858059.41	1.47444	1.17466	5.9582	0.17621	5.50E-03	3.50E-02	3.80E-02	5.56E-04	7.91E-02	5.01E-03	3.55E-08	5.07E-04	1.52E-05	5.53E-03	6.36E-03	3.50E-02	3.80E-02	5.56E-04	8.00E-02
308	488667.32	3858059.41	1.48536	1.15179	5.3223	0.17383	5.54E-03	3.44E-02	3.39E-02	5.49E-04	7.44E-02	5.04E-03	3.48E-08	4.53E-04	1.50E-05	5.51E-03	6.41E-03	3.44E-02	3.39E-02	5.49E-04	7.53E-02
309	488417.32	3858109.41	1.45217	1.25073	10.389	0.17643	5.42E-03	3.73E-02	6.63E-02	5.57E-04	1.10E-01	4.93E-03	3.78E-08	8.84E-04	1.52E-05	5.83E-03	6.27E-03	3.73E-02	6.63E-02	5.57E-04	1.10E-01
310	488467.32	3858109.41	1.46801	1.24656	9.1052	0.18143	5.48E-03	3.72E-02	5.81E-02	5.73E-04	1.01E-01	4.98E-03	3.76E-08	7.74E-04	1.56E-05	5.77E-03	6.33E-03	3.72E-02	5.81E-02	5.73E-04	1.02E-01
311	488517.32	3858109.41	1.41809	1.23952	7.5016	0.18132	5.29E-03	3.70E-02	4.78E-02	5.72E-04	9.07E-02	4.81E-03	3.74E-08	6.38E-04	1.56E-05	5.47E-03	6.12E-03	3.70E-02	4.78E-02	5.72E-04	9.15E-02
312	488567.32	3858109.41	1.39704	1.2378	6.4259	0.17903	5.21E-03	3.69E-02	4.10E-02	5.65E-04	8.37E-02	4.74E-03	3.74E-08	5.47E-04	1.54E-05	5.30E-03	6.03E-03	3.69E-02	4.10E-02	5.65E-04	8.45E-02
313	488617.32	3858109.41	1.40312	1.22199	5.5951	0.17259	5.24E-03	3.65E-02	3.57E-02	5.45E-04	7.79E-02	4.76E-03	3.69E-08	4.76E-04	1.49E-05	5.25E-03	6.05E-03	3.65E-02	3.57E-02	5.45E-04	7.87E-02
314	488667.32	3858109.41	1.40269	1.19463	4.9626	0.17019	5.23E-03	3.56E-02	3.17E-02	5.37E-04	7.31E-02	4.76E-03	3.61E-08	4.22E-04	1.47E-05	5.20E-03	6.05E-03	3.56E-02	3.17E-02	5.37E-04	7.39E-02
315	488769.93	3858449.27	1.12464	1.479	1.7882	0.2226	4.20E-03	4.41E-02	1.14E-02	7.03E-04	6.04E-02	3.82E-03	4.47E-08	1.52E-04	1.92E-05	3.99E-03	4.85E-03	4.41E-02	1.14E-02	7.03E-04	6.11E-02
316	488819.93	3858449.27	1.06687	1.45387	1.7572	0.22065	3.98E-03	4.34E-02	1.12E-02	6.97E-04	5.93E-02	3.62E-03	4.39E-08	1.49E-04	1.90E-05	3.79E-03	4.60E-03	4.34E-02	1.12E-02	6.97E-04	5.99E-02
317	488819.93	3858499.27	1.087	1.53735	1.5195	0.2223	4.06E-03	4.59E-02	9.69E-03	7.02E-04	6.03E-02	3.69E-03	4.64E-08	1.29E-04	1.91E-05	3.84E-03	4.69E-03	4.59E-02	9.69E-03	7.02E-04	6.09E-02
318	488869.93	3858499.27	1.04384	1.51765	1.5398	0.21783	3.90E-03	4.53E-02	9.82E-03	6.88E-04	5.97E-02	3.54E-03	4.58E-08	1.31E-04	1.88E-05	3.69E-03	4.50E-03	4.53E-02	9.82E-03	6.88E-04	6.03E-02
319	488869.93	3858549.27	1.05243	1.60703	1.1735	0.21412	3.93E-03	4.79E-02	7.49E-03	6.76E-04	6.00E-02	3.57E-03	4.85E-08	9.98E-05	1.84E-05	3.69E-03	4.54E-03	4.79E-02	7.49E-03	6.76E-04	6.06E-02
320	489438.17	3859571.48	0.75944	2.4246	0.0992	0.34667	2.83E-03	7.23E-02	6.33E-04	1.09E-03	7.69E-02	2.58E-03	7.32E-08	8.44E-06	2.99E-05	2.62E-03	3.28E-03	7.23E-02	6.33E-04	1.09E-03	7.73E-02
321	489488.17	3859571.48	0.75261	2.34241	0.1137	0.33271	2.81E-03	6.99E-02	7.25E-04	1.05E-03	7.45E-02	2.56E-03	7.07E-08	9.67E-06	2.86E-05	2.59E-03	3.25E-03	6.99E-02	7.25E-04	1.05E-03	7.49E-02
322	489538.17	3859571.48	0.74738	2.27366	0.1363	0.32219	2.79E-03	6.78E-02	8.69E-04	1.02E-03	7.25E-02	2.54E-03	6.87E-08	1.16E-05	2.77E-05	2.58E-03	3.23E-03	6.78E-02	8.69E-04	1.02E-03	7.29E-02
323	489588.17	3859571.48	0.74547	2.21941	0.1566	0.31492	2.78E-03	6.62E-02	9.99E-04	9.94E-04	7.10E-02	2.53E-03	6.70E-08	1.33E-05	2.71E-05	2.57E-03	3.22E-03	6.62E-02	9.99E-04	9.94E-04	7.14E-02
324	489438.17	3859621.48	0.76059	2.38008	0.0813	0.35478	2.84E-03	7.10E-02	5.19E-04	1.12E-03	7.55E-02	2.58E-03	7.19E-08	6.91E-06	3.06E-05	2.62E-03	3.28E-03	7.10E-02	5.19E-04	1.12E-03	7.59E-02
325	489488.17	3859621.48	0.74282	2.32276	0.0952	0.34063	2.77E-03	6.93E-02	6.07E-04	1.08E-03	7.38E-02	2.52E-03	7.01E-08	8.10E-06	2.93E-05	2.56E-03	3.21E-03	6.93E-02	6.07E-04	1.08E-03	7.42E-02
326	489538.17	3859621.48	0.73715	2.26473	0.1085	0.33024	2.75E-03	6.76E-02	6.92E-04	1.04E-03	7.20E-02	2.50E-03	6.84E-08	9.22E-06	2.84E-05	2.54E-03	3.18E-03	6.76E-02	6.92E-04	1.04E-03	7.25E-02
327	489588.17	3859621.48	0.72882	2.19968	0.1289	0.32016	2.72E-03	6.56E-02	8.22E-04	1.01E-03	7.02E-02	2.47E-03	6.64E-08	1.10E-05	2.76E-05	2.51E-03	3.14E-03	6.56E-02	8.22E-04	1.01E-03	7.06E-02
328	489238.17	3859671.48	0.71336	2.6272	0.0668	0.45827	2.66E-03	7.84E-02	4.26E-04	1.45E-03	8.29E-02	2.42E-03	7.93E-08	5.68E-06	3.95E-05	2.47E-03	3.08E-03	7.84E-02	4.26E-04	1.45E-03	8.33E-02
329	489288.17	3859671.48	0.71561	2.55593	0.0662	0.43024	2.67E-03	7.63E-02	4.22E-04	1.36E-03	8.07E-02	2.43E-03	7.72E-08	5.63E-06	3.70E-05	2.47E-03	3.09E-03	7.63E-02	4.22E-04	1.36E-03	8.11E-02
330	489338.17	3859671.48	0.71587	2.47514	0.0762	0.40546	2.67E-03	7.38E-02	4.86E-04	1.28E-03	7.83E-02	2.43E-03	7.47E-08	6.48E-06	3.49E-05	2.47E-03	3.09E-03	7.38E-02	4.86E-04	1.28E-03	7.87E-02
331	489388.17	3859671.48	0.71701	2.39529	0.0756	0.38639	2.68E-03	7.15E-02	4.82E-04	1.22E-03	7.58E-02	2.43E-03	7.23E-08	6.43E-06	3.33E-05	2.47E-03	3.09E-03	7.15E-02	4.82E-04	1.22E-03	7.63E-02
332	489438.17	3859671.48	0.70878	2.33688	0.076	0.36873	2.64E-03	6.97E-02	4.85E-04	1.16E-03	7.40E-02	2.41E-03	7.06E-08	6.46E-06	3.18E-05	2.44E-03	3.06E-03	6.97E-02	4.85E-04	1.16E-03	7.44E-02
333	489488.17	3859671.48	0.74555	2.26852	0.0808	0.35369	2.78E-03	6.77E-02	5.15E-04	1.12E-03	7.21E-02	2.53E-03	6.85E-08	6.87E-06	3.05E-05	2.57E-03	3.22E-03	6.77E-02	5.15E-04	1.12E-03	7.25E-02
334	489538.17	3859671.48	0.72977	2.20827	0.0915	0.34182	2.72E-03	6.59E-02	5.84E-04	1.08E-03	7.03E-02	2.48E-03	6.67E-08	7.78E-06	2.94E-05	2.51E-03	3.15E-03	6.59E-02	5.84E-04	1.08E-03	7.07E-02
335	489588.17	3859671.48	0.72549	2.14322	0.1037	0.33094	2.71E-03	6.39E-02	6.62E-04	1.04E-03	6.84E-02	2.46E-03	6.47E-08	8.82E-06	2.85E-05	2.50E-03	3.13E-03	6.39E-02	6.62E-04	1.04E-03	6.88E-02
336	489238.17	3859721.48	0.68238	2.59985	0.0644	0.46291	2.55E-03	7.76E-02	4.11E-04	1.46E-03	8.20E-02	2.32E-03	7.85E-08	5.48E-06	3.99E-05	2.36E-03	2.94E-03	7.76E-02	4.11E-04	1.46E-03	8.24E-02
337	489288.17	3859721.48	0.70138	2.51624	0.0639	0.43128	2.62E-03	7.51E-02	4.08E-04	1.36E-03	7.95E-02	2.38E-03	7.60E-08	5.44E-06	3.71E-05	2.42E-03	3.03E-03	7.51E-02	4.08E-04	1.36E-03	7.99E-02
338	489338.17	3859721.48	0.70306	2.43252	0.0661	0.4065	2.62E-03	7.26E-02	4.21E-04	1.28E-03	7.69E-02	2.39E-03	7.35E-08	5.62E-06	3.50E-05	2.43E-03	3.03E-03	7.26E-02	4.21E-04	1.28E-03	7.73E-02
339	489388.17	3859721.48	0.70271	2.3659	0.0748	0.38378	2.62E-03	7.06E-02	4.77E-04	1.21E-03	7.49E-02	2.39E-03	7.14E-08	6.36E-06	3.30E-05	2.43E-03	3.03E-03	7.06E-02	4.77E-04	1.21E-03	7.53E-02
340	489438.17	3859721.48	0.70194	2.30002	0.074	0.3658	2.62E-03	6.86E-02	4.72E-04	1.15E-03	7.29E-02	2.38E-03	6.95E-08	6.30E-06	3.15E-05	2.42E-03	3.03E-03	6.86E-02	4.72E-04	1.15E-03	7.33E-02
341	489488.17	3859721.48	0.6963	2.22466	0.074	0.35184	2.60E-03	6.64E-02	4.72E-04	1.11E-03	7.05E-02	2.36E-03	6.72E-08	6.29E-06	3.03E-05	2.40E-03	3.00E-03	6.64E-02	4.72E-04	1.11E-03	7.10E-02
342	489538.17	3859721.48	0.73089	2.1653	0.0765	0.33923	2.73E-03	6.46E-02	4.88E-04	1.07E-03	6.89E-02	2.48E-03	6.54E-08	6.50E-06	2.92E-05	2.52E-03	3.15E-03	6.46E-02	4.88E-04	1.07E-03	6.93E-02
343	489588.17	3859721.48	0.71753	2.11553	0.088	0.32816	2.68E-03	6.31E-02	5.61E-04	1.04E-03	6.74E-02	2.44E-03	6.39E-08	7.48E-06	2.83E-05	2.47E-03	3.10E-03	6.31E-02	5.61E-04	1.04E-03	6.78E-02
344	489238.17	3859771.48	0.64455	2.59789	0.0653	0.44532	2.41E-03	7.75E-02	4.16E-04	1.41E-03	8.17E-02	2.19E-03	7.85E-08	5.55E-06	3.83E-05	2.23E-03	2.78E-03	7.75E-02	4.16E-04	1.41E-03	8.21E-02
345	489288.17	3859771.48	0.67196	2.48871	0.0629	0.41542	2.51E-03	7.42E-02	4.01E-04	1.31E-03	7.85E-02	2.28E-03	7.52E-08	5.35E-06	3.58E-05	2.32E-03	2.90E-03	7.42E-02	4.01E-04	1.31E-03	7.89E-02
346	489338.17	3859771.48	0.68832	2.42135	0.0636	0.39596	2.57E-03	7.22E-02	4.05E-04	1.25E-03	7.65E-02	2.34E-03	7.31E-08	5.40E-06	3.41E-05	2.38E-03	2.97E-03	7.22E-02	4.05E-04	1.25E-03	7.69E-02
347	489388.17	3859771.48	0.68918	2.35857	0.0676	0.38443	2.57E-03	7.04E-02	4.31E-04	1.21E-03	7.46E-02	2.34E-03	7.12E-08	5.75E-06	3.31E-05	2.38E-03	2.97E-03	7.04E-02	4.31E-04	1.21E-03	7.50E-02
348	489438.17	3859771.48	0.68802	2.30369	0.073	0.36724	2.57E-03	6.87E-02	4.66E-04	1.16E-03	7.29E-02	2.34E-03	6.96E-08	6.21E-06	3.16E-05	2.37E-03	2.97E-03	6.87E-02	4.66E-04	1.16E-03	7.33E-02
349	489488.17	3859771.48	0.69019	2.2269	0.0725	0.35123	2.58E-03	6.64E-02	4.62E-04	1.11E-03	7.06E-02	2.34E-03	6.72E-08	6.16E-06	3.02E-05	2.38E-03	2.98E-03	6.64E-02	4.62E-04	1.11E-03	7.10E-02
350	489538.17	3859771.48	0.68477	2.15832	0.0721	0.3389	2.56E-03	6.44E-02	4.60E-04	1.07E-03	6.85E-02	2.32E-03	6.52E-08	6.13E-06	2.92E-05	2.36E-03	2.95E-03	6.44E-02	4.60E-04	1.07E-03	6.89E-02
351	489588.17	3859771.48	0.71576	2.10615	0.0742	0.32903	2.67E-03	6.28E-02	4.73E-04	1.04E-03	6.70E-02	2.43E-03	6.36E-08	6.31E-06	2.83E-05	2.46E-03	3.09E-03	6.28E-02	4.73E-04	1.04E-03	6.74E-02
352	489238.17	3859821.48	0.64184	2.60045	0.0637	0.46546	2.40E-03	7.76E-02	4.06E-04	1.47E-03	8.19E-02	2.18E-03	7.85E-08	5.42E-06	4.01E-05	2.22E-03	2.77E-03	7.76E-02	4.06E-04	1.47E-03	8.22E-02
353	489288.17	3859821.48	0.63073	2.50033	0.0622	0.43132	2.35E-03	7.46E-02	3.97E-04	1.36E-03	7.87E-02	2.14E-03	7.55E-08	5.29E-06	3.71E-05	2.18E-03	2.72E-03	7.46E-02	3.97E-04	1.36E-03	7.91E-02
354	489338.17	3859821.48	0.66011	2.4437	0.0609	0.40362	2.46E-03	7.29E-02	3.88E-04	1.27E-03	7.70E-02	2.24E-03	7.38E-08	5.18E-06	3.48E-05	2.28E-03	2.85E-03	7.29E-02	3.88E-04	1.27E-03	7.74E-02
355	489388.17	3859821.48	0.67645	2.36467	0.0619	0.38254	2.52E-03	7.05E-02	3.95E-04	1.21E-03	7.47E-02	2.30E-03	7.14E-08	5.27E-06	3.29E-05	2.33E-03	2.92E-03	7.05E-02	3.95E-04	1.21E-03	7.51E-02
356	489438.17	3859821.48	0.67769	2.2811	0.0695	0.36313	2.53E-03	6.81E-02	4.43E-04	1.15E-03	7.22E-02	2.30E-03	6.89E-08	5.91E-06	3.13E-05	2.34E-03	2.92E-03	6.81E-02	4.43E-04	1.15E-03	7.26E-02
357	489488.17	3859821.48	0.67844	2.22152	0.0709	0.35187	2.53E-03	6.63E-02	4.52E-04	1.11E-03	7.04E-02	2.30E-03	6.71E-08	6.03E-06	3.03E-05	2.34E-03	2.93E-03	6.63E-02	4.52E-04	1.11E-03	7.08E-02
358	489538.17	3859821.48	0.67958	2.15675	0.071	0.34114	2.54E-03	6.43E-02	4.53E-04	1.08E-03	6.84E-02	2.31E-03	6.51E-08	6.04E-06	2.94E-05	2.34E-03	2.93E-03	6.43E-02	4.53E-04	1.08E-03	6.88E-02
359	489588.17	3859821.48	0.67283	2.11466	0.0704	0.32412	2.51E-03	6.31E-02	4.49E-04	1.02E-03	6.71E-02	2.28E-03	6.39E-08	5.98E-06	2.79E-05	2.32E-03	2.90E-03	6.31E-02	4.49E-04	1.02E-03	6.75E-02
360	489238.17	3859871.48	0.64098	2.58582	0.0618	0.5251	2.39E-03	7.71E-02	3.94E-04	1.66E-03	8.16E-02	2.18E-03	7.81E-08	5.25E-06	4.52E-05	2.23E-03	2.77E-03	7.71E-02	3.94E-04	1.66E-03	8.20E-02
361	489288.17	3859871.48	0.62859	2.53841	0.0624	0.48701	2.35E-03	7.57E-02	3.98E-04	1.54E-03	8.00E-02	2.13E-03	7.67E-08	5.30E-06	4.19E-05	2.18E-03	2.71E-03	7.57E-02	3.98E-04	1.54E-03	8.04E-02
362	489338.17	3859871.48	0.61629	2.47063	0.0596	0.4516	2.30E-03	7.37E-02	3.80E-04	1.43E-03	7.78E-02	2.09E-03	7.46E-08	5.07E-06	3.89E-05	2.14E-03	2.66E-03	7.37E-02	3.80E-04	1.43E-03	7.82E-02

363	489388.17	3859871.48	0.65035	2.39407	0.0595	0.4194	2.43E-03	7.14E-02	3.79E-04	1.32E-03	7.56E-02	2.21E-03	7.23E-08	5.06E-06	3.61E-05	2.25E-03	2.81E-03	7.14E-02	3.79E-04	1.32E-03	7.59E-02
364	489438.17	3859871.48	0.6688	2.29795	0.0612	0.39236	2.50E-03	6.86E-02	3.90E-04	1.24E-03	7.27E-02	2.27E-03	6.94E-08	5.20E-06	3.38E-05	2.31E-03	2.89E-03	6.86E-02	3.90E-04	1.24E-03	7.31E-02
365	489488.17	3859871.48	0.67094	2.19192	0.0709	0.37998	2.50E-03	6.54E-02	4.52E-04	1.20E-03	6.95E-02	2.28E-03	6.62E-08	6.03E-06	3.27E-05	2.32E-03	2.90E-03	6.54E-02	4.52E-04	1.20E-03	6.99E-02
366	489538.17	3859871.48	0.6691	2.15369	0.069	0.36405	2.50E-03	6.43E-02	4.40E-04	1.15E-03	6.83E-02	2.27E-03	6.50E-08	5.86E-06	3.13E-05	2.31E-03	2.89E-03	6.43E-02	4.40E-04	1.15E-03	6.87E-02
367	489588.17	3859871.48	0.66908	2.0995	0.0694	0.34677	2.50E-03	6.26E-02	4.43E-04	1.09E-03	6.67E-02	2.27E-03	6.34E-08	5.91E-06	2.99E-05	2.31E-03	2.89E-03	6.26E-02	4.43E-04	1.09E-03	6.71E-02
368	489238.17	3859921.48	0.62535	2.59125	0.0607	0.52157	2.33E-03	7.73E-02	3.87E-04	1.65E-03	8.17E-02	2.12E-03	7.83E-08	5.17E-06	4.49E-05	2.17E-03	2.70E-03	7.73E-02	3.87E-04	1.65E-03	8.20E-02
369	489288.17	3859921.48	0.63016	2.49525	0.0601	0.48414	2.35E-03	7.44E-02	3.84E-04	1.53E-03	7.87E-02	2.14E-03	7.54E-08	5.11E-06	4.17E-05	2.19E-03	2.72E-03	7.44E-02	3.84E-04	1.53E-03	7.91E-02
370	489338.17	3859921.48	0.61901	2.43174	0.0601	0.45097	2.31E-03	7.25E-02	3.84E-04	1.42E-03	7.67E-02	2.10E-03	7.34E-08	5.11E-06	3.88E-05	2.15E-03	2.67E-03	7.25E-02	3.84E-04	1.42E-03	7.70E-02
371	489388.17	3859921.48	0.60764	2.3773	0.0579	0.42356	2.27E-03	7.09E-02	3.70E-04	1.34E-03	7.49E-02	2.06E-03	7.18E-08	4.93E-06	3.65E-05	2.10E-03	2.62E-03	7.09E-02	3.70E-04	1.34E-03	7.53E-02
372	489438.17	3859921.48	0.64601	2.2816	0.0597	0.39765	2.41E-03	6.81E-02	3.81E-04	1.26E-03	7.21E-02	2.19E-03	6.89E-08	5.08E-06	3.42E-05	2.23E-03	2.79E-03	6.81E-02	3.81E-04	1.26E-03	7.25E-02
373	489488.17	3859921.48	0.66239	2.19177	0.0628	0.37672	2.47E-03	6.54E-02	4.00E-04	1.19E-03	6.94E-02	2.25E-03	6.62E-08	5.34E-06	3.24E-05	2.29E-03	2.86E-03	6.54E-02	4.00E-04	1.19E-03	6.98E-02
374	489538.17	3859921.48	0.66025	2.12994	0.0693	0.36158	2.46E-03	6.35E-02	4.42E-04	1.14E-03	6.76E-02	2.24E-03	6.43E-08	5.90E-06	3.11E-05	2.28E-03	2.85E-03	6.35E-02	4.42E-04	1.14E-03	6.80E-02
375	489588.17	3859921.48	0.66061	2.06963	0.0679	0.34851	2.47E-03	6.17E-02	4.33E-04	1.10E-03	6.57E-02	2.24E-03	6.25E-08	5.77E-06	3.00E-05	2.28E-03	2.85E-03	6.17E-02	4.33E-04	1.10E-03	6.61E-02
376	489238.17	3859971.48	0.61488	2.59508	0.0597	0.51444	2.29E-03	7.74E-02	3.81E-04	1.62E-03	8.17E-02	2.09E-03	7.84E-08	5.08E-06	4.43E-05	2.14E-03	2.65E-03	7.74E-02	3.81E-04	1.62E-03	8.21E-02
377	489288.17	3859971.48	0.61767	2.49628	0.0588	0.48749	2.30E-03	7.45E-02	3.75E-04	1.54E-03	7.87E-02	2.10E-03	7.54E-08	5.00E-06	4.20E-05	2.14E-03	2.67E-03	7.45E-02	3.75E-04	1.54E-03	7.91E-02
378	489338.17	3859971.48	0.61945	2.42281	0.0587	0.46234	2.31E-03	7.23E-02	3.74E-04	1.46E-03	7.64E-02	2.10E-03	7.32E-08	4.99E-06	3.98E-05	2.15E-03	2.67E-03	7.23E-02	3.74E-04	1.46E-03	7.68E-02
379	489388.17	3859971.48	0.61179	2.34081	0.0577	0.4315	2.28E-03	6.98E-02	3.68E-04	1.36E-03	7.38E-02	2.08E-03	7.07E-08	4.91E-06	3.72E-05	2.12E-03	2.64E-03	6.98E-02	3.68E-04	1.36E-03	7.42E-02
380	489438.17	3859971.48	0.60243	2.2367	0.0561	0.40594	2.25E-03	6.67E-02	3.58E-04	1.28E-03	7.06E-02	2.05E-03	6.75E-08	4.77E-06	3.50E-05	2.09E-03	2.60E-03	6.67E-02	3.58E-04	1.28E-03	7.10E-02
381	489488.17	3859971.48	0.64322	2.062	0.0585	0.38285	2.40E-03	6.15E-02	3.73E-04	1.21E-03	6.55E-02	2.18E-03	6.23E-08	4.97E-06	3.30E-05	2.22E-03	2.78E-03	6.15E-02	3.73E-04	1.21E-03	6.59E-02
382	489538.17	3859971.48	0.66144	1.95857	0.0624	0.36662	2.47E-03	5.84E-02	3.98E-04	1.16E-03	6.25E-02	2.25E-03	5.91E-08	5.31E-06	3.16E-05	2.28E-03	2.85E-03	5.84E-02	3.98E-04	1.16E-03	6.28E-02
383	489588.17	3859971.48	0.66001	1.88463	0.0662	0.353	2.46E-03	5.62E-02	4.22E-04	1.11E-03	6.02E-02	2.24E-03	5.69E-08	5.63E-06	3.04E-05	2.28E-03	2.85E-03	5.62E-02	4.22E-04	1.11E-03	6.06E-02
384	483577.7	3854071	1.35853	0.2134	0.0236	0.08473	5.07E-03	6.37E-03	1.50E-04	2.68E-04	1.19E-02	4.61E-03	6.44E-09	2.01E-06	7.30E-06	4.62E-03	5.86E-03	6.37E-03	1.50E-04	2.68E-04	1.26E-02
385	483627.7	3854071	1.46542	0.20624	0.0233	0.08171	5.47E-03	6.15E-03	1.49E-04	2.58E-04	1.20E-02	4.98E-03	6.23E-09	1.98E-06	7.04E-06	4.98E-03	6.32E-03	6.15E-03	1.49E-04	2.58E-04	1.29E-02
386	483677.7	3854071	1.5575	0.20315	0.0232	0.08085	5.81E-03	6.06E-03	1.48E-04	2.55E-04	1.23E-02	5.29E-03	6.13E-09	1.97E-06	6.96E-06	5.30E-03	6.72E-03	6.06E-03	1.48E-04	2.55E-04	1.32E-02
387	483727.7	3854071	1.54886	0.201	0.0231	0.07888	5.78E-03	6.00E-03	1.47E-04	2.49E-04	1.22E-02	5.26E-03	6.07E-09	1.97E-06	6.79E-06	5.27E-03	6.68E-03	6.00E-03	1.47E-04	2.49E-04	1.31E-02
388	483777.7	3854071	1.55217	0.18918	0.0231	0.07841	5.79E-03	5.64E-03	1.47E-04	2.48E-04	1.18E-02	5.27E-03	5.71E-09	1.97E-06	6.75E-06	5.28E-03	6.70E-03	5.64E-03	1.47E-04	2.48E-04	1.27E-02
389	483577.7	3854121	1.30574	0.21825	0.024	0.08775	4.87E-03	6.51E-03	1.53E-04	2.77E-04	1.18E-02	4.43E-03	6.59E-09	2.04E-06	7.56E-06	4.44E-03	5.63E-03	6.51E-03	1.53E-04	2.77E-04	1.26E-02
390	483627.7	3854121	1.41107	0.20704	0.0238	0.08472	5.27E-03	6.18E-03	1.52E-04	2.67E-04	1.19E-02	4.79E-03	6.25E-09	2.03E-06	7.30E-06	4.80E-03	6.09E-03	6.18E-03	1.52E-04	2.67E-04	1.27E-02
391	483677.7	3854121	1.52744	0.19791	0.0235	0.08314	5.70E-03	5.90E-03	1.50E-04	2.63E-04	1.20E-02	5.19E-03	5.98E-09	2.00E-06	7.16E-06	5.19E-03	6.59E-03	5.90E-03	1.50E-04	2.63E-04	1.29E-02
392	483727.7	3854121	1.6115	0.19187	0.0233	0.08175	6.01E-03	5.72E-03	1.49E-04	2.58E-04	1.21E-02	5.47E-03	5.79E-09	1.98E-06	7.04E-06	5.48E-03	6.95E-03	5.72E-03	1.49E-04	2.58E-04	1.31E-02
393	483777.7	3854121	1.64058	0.18495	0.0232	0.07849	6.12E-03	5.52E-03	1.48E-04	2.48E-04	1.20E-02	5.57E-03	5.59E-09	1.98E-06	6.76E-06	5.58E-03	7.08E-03	5.52E-03	1.48E-04	2.48E-04	1.30E-02
394	483577.7	3854171	1.30491	0.21718	0.0243	0.09052	4.87E-03	6.48E-03	1.55E-04	2.86E-04	1.18E-02	4.43E-03	6.56E-09	2.06E-06	7.79E-06	4.44E-03	5.63E-03	6.48E-03	1.55E-04	2.86E-04	1.26E-02
395	483627.7	3854171	1.3526	0.20514	0.0241	0.08708	5.05E-03	6.12E-03	1.54E-04	2.75E-04	1.16E-02	4.59E-03	6.19E-09	2.05E-06	7.50E-06	4.60E-03	5.84E-03	6.12E-03	1.54E-04	2.75E-04	1.24E-02
396	483677.7	3854171	1.46169	0.1946	0.024	0.0857	5.45E-03	5.81E-03	1.53E-04	2.71E-04	1.17E-02	4.96E-03	5.88E-09	2.04E-06	7.38E-06	4.97E-03	6.31E-03	5.81E-03	1.53E-04	2.71E-04	1.25E-02
397	483727.7	3854171	1.60548	0.18541	0.0237	0.08383	5.99E-03	5.53E-03	1.51E-04	2.65E-04	1.19E-02	5.45E-03	5.60E-09	2.02E-06	7.22E-06	5.46E-03	6.93E-03	5.53E-03	1.51E-04	2.65E-04	1.29E-02
398	483777.7	3854171	1.71351	0.17548	0.0235	0.08072	6.39E-03	5.24E-03	1.50E-04	2.55E-04	1.20E-02	5.82E-03	5.30E-09	2.00E-06	6.95E-06	5.83E-03	7.39E-03	5.24E-03	1.50E-04	2.55E-04	1.30E-02
399	483827.7	3854171	1.69669	0.16631	0.0233	0.08108	6.33E-03	4.96E-03	1.49E-04	2.56E-04	1.17E-02	5.76E-03	5.02E-09	1.98E-06	6.98E-06	5.77E-03	7.32E-03	4.96E-03	1.49E-04	2.56E-04	1.27E-02
400	483877.7	3854171	1.69958	0.16237	0.0234	0.08113	6.34E-03	4.84E-03	1.49E-04	2.56E-04	1.16E-02	5.77E-03	4.90E-09	1.99E-06	6.99E-06	5.78E-03	7.33E-03	4.84E-03	1.49E-04	2.56E-04	1.26E-02
401	483727.7	3854221	1.54281	0.18405	0.0242	0.08458	5.76E-03	5.49E-03	1.54E-04	2.67E-04	1.17E-02	5.24E-03	5.56E-09	2.05E-06	7.28E-06	5.25E-03	6.66E-03	5.49E-03	1.54E-04	2.67E-04	1.26E-02
402	483777.7	3854221	1.6621	0.17562	0.0239	0.08247	6.20E-03	5.24E-03	1.53E-04	2.60E-04	1.19E-02	5.64E-03	5.30E-09	2.03E-06	7.10E-06	5.65E-03	7.17E-03	5.24E-03	1.53E-04	2.60E-04	1.28E-02
403	483827.7	3854221	1.76891	0.17189	0.0237	0.08394	6.60E-03	5.13E-03	1.51E-04	2.65E-04	1.21E-02	6.01E-03	5.19E-09	2.02E-06	7.23E-06	6.01E-03	7.63E-03	5.13E-03	1.51E-04	2.65E-04	1.32E-02
404	483877.7	3854221	1.75118	0.1653	0.0236	0.08376	6.53E-03	4.93E-03	1.50E-04	2.64E-04	1.19E-02	5.95E-03	4.99E-09	2.00E-06	7.21E-06	5.95E-03	7.56E-03	4.93E-03	1.50E-04	2.64E-04	1.29E-02
405	489150.19	3858726.45	0.94186	1.85754	0.8703	0.19839	3.51E-03	5.54E-02	5.55E-03	6.26E-04	6.51E-02	3.20E-03	5.61E-08	7.40E-05	1.71E-05	3.29E-03	4.06E-03	5.54E-02	5.55E-03	6.26E-04	6.57E-02
406	489200.19	3858726.45	0.89115	1.81943	0.8495	0.19999	3.33E-03	5.43E-02	5.42E-03	6.31E-04	6.37E-02	3.03E-03	5.49E-08	7.22E-05	1.72E-05	3.11E-03	3.85E-03	5.43E-02	5.42E-03	6.31E-04	6.42E-02
407	489150.19	3858776.45	0.89901	2.02039	0.7263	0.20812	3.35E-03	6.03E-02	4.63E-03	6.57E-04	6.89E-02	3.05E-03	6.10E-08	6.18E-05	1.79E-05	3.13E-03	3.88E-03	6.03E-02	4.63E-03	6.57E-04	6.94E-02
408	489200.19	3858776.45	0.93199	1.96404	0.7584	0.20838	3.48E-03	5.86E-02	4.84E-03	6.58E-04	6.76E-02	3.16E-03	5.93E-08	6.45E-05	1.79E-05	3.25E-03	4.02E-03	5.86E-02	4.84E-03	6.58E-04	6.81E-02
409	488919.6	3856400.76	2.35898	0.43234	0.1603	0.17159	8.80E-03	1.29E-02	1.02E-03	5.42E-04	2.33E-02	8.01E-03	1.31E-08	1.36E-05	1.48E-05	8.04E-03	1.02E-02	1.29E-02	1.02E-03	5.42E-04	2.46E-02
410	488919.6	3856450.76	2.38082	0.44675	0.1682	0.16862	8.88E-03	1.33E-02	1.07E-03	5.32E-04	2.38E-02	8.08E-03	1.35E-08	1.43E-05	1.45E-05	8.11E-03	1.03E-02	1.33E-02	1.07E-03	5.32E-04	2.52E-02
411	488969.6	3856450.76	2.33533	0.44446	0.1762	0.16795	8.71E-03	1.33E-02	1.12E-03	5.30E-04	2.36E-02	7.93E-03	1.34E-08	1.50E-05	1.45E-05	7.96E-03	1.01E-02	1.33E-02	1.12E-03	5.30E-04	2.50E-02
412	488919.6	3856500.76	2.39368	0.46107	0.1789	0.16641	8.93E-03	1.38E-02	1.14E-03	5.25E-04	2.44E-02	8.13E-03	1.39E-08	1.52E-05	1.43E-05	8.16E-03	1.03E-02	1.38E-02	1.14E-03	5.25E-04	2.58E-02
413	488969.6	3856500.76	2.34736	0.46076	0.1881	0.16562	8.76E-03	1.37E-02	1.20E-03	5.23E-04	2.42E-02	7.97E-03	1.39E-08	1.60E-05	1.43E-05	8.00E-03	1.01E-02	1.37E-02	1.20E-03	5.23E-04	2.56E-02
414	488919.6	3856550.76	2.38567	0.47755	0.196	0.16679	8.90E-03	1.42E-02	1.25E-03	5.27E-04	2.49E-02	8.10E-03	1.44E-08	1.67E-05	1.44E-05	8.13E-03	1.03E-02	1.42E-02	1.25E-03	5.27E-04	2.63E-02
415	488969.6	3856550.76	2.3421	0.47797	0.213	0.16528	8.74E-03	1.43E-02	1.36E-03	5.22E-04	2.49E-02	7.95E-03	1.44E-08	1.81E-05	1.42E-05	7.98E-03	1.01E-02	1.43E-02	1.36E-03	5.22E-04	2.62E-02
416	488819.6	3856600.76	2.50341	0.49067	0.2008	0.16853	9.34E-03	1.46E-02	1.28E-03	5.32E-04	2.58E-02	8.50E-03	1.48E-08	1.71E-05	1.45E-05	8.53E-03	1.08E-02	1.46E-02	1.28E-03	5.32E-04	2.73E-02
417	488869.6	3856600.76	2.44175	0.49062	0.2019	0.17043	9.11E-03	1.46E-02	1.29E-03	5.38E-04	2.56E-02	8.29E-03	1.48E-08	1.72E-05	1.47E-05	8.32E-03	1.05E-02	1.46E-02	1.29E-03	5.38E-04	2.70E-02
418	488919.6	3856600.76	2.38991	0.49178	0.2149	0.16945	8.92E-03	1.47E-02	1.37E-03	5.35E-04	2.55E-02	8.11E-03	1.49E-08	1.83E-05	1.46E-05	8.15E-03	1.03E-02	1.47E-02	1.37E-03	5.35E-04	2.69E-02
419	488819.6	3856650.76	2.53924	0.50408	0.2097	0.16993	9.48E-03	1.50E-02	1.34E-03	5.37E-04	2.64E-02	8.62E-03	1.52E-08	1.78E-05	1.46E-05	8.65E-03	1.10E-02	1.50E-02	1.34E-03	5.37E-04	2.79E-02
420	488869.6	3856650.76	2.47534	0.5054	0.2203	0.1698	9.24E-03	1.51E-02	1.41E-03	5.36E-04	2.63E-02	8.40E-03	1.53E-08	1.87E-05	1.46E-05	8.44E-03	1.07E-02	1.51E-02	1.41E-03	5.36E-04	2.77E-02
421	488819.6	3856700.76	2.54102	0.52157	0.2328	0.16852	9.48E-03	1.56E-02	1.48E-03	5.32E-04	2.71E-02	8.63E-03	1.58E-08	1.98E-05	1.45E-05	8.66E-03	1.10E-02	1.56E-02	1.48E-03	5.32E-04	2.85E-02
422	488869.6	3856700.76	2.48694	0.52095	0.2532	0.16836	9.28E-03	1.55E-02	1.62E-03	5.32E-04	2.70E-02	8.44E-03	1.57E-08	2.15E-05	1.45E-05	8.48E-03	1.07E-02	1.55E-02	1.62E-03	5.32E-04	2.84E-02
423	488819.6	3856750.76	2.53602	0.53706	0.2579	0.16483	9.46E-03	1.60E-02	1.64E-03	5.20E-04	2.77E-02	8.61E-03	1.62E-08	2.19E-05	1.42E-05	8.65E-03	1.09E-02	1.60E-02	1.64E-03	5.20E-04	2.91E-02

424	488869.6	3856750.76	2.45161	0.53824	0.2767	0.16423	9.15E-03	1.61E-02	1.77E-03	5.19E-04	2.75E-02	8.32E-03	1.63E-08	2.35E-05	1.41E-05	8.36E-03	1.06E-02	1.61E-02	1.77E-03	5.19E-04	2.89E-02
425	488819.6	3857050.76	2.26874	0.62095	0.5371	0.15794	8.47E-03	1.85E-02	3.43E-03	4.99E-04	3.09E-02	7.70E-03	1.88E-08	4.57E-05	1.36E-05	7.76E-03	9.79E-03	1.85E-02	3.43E-03	4.99E-04	3.22E-02
426	488869.6	3857050.76	2.21432	0.61949	0.5833	0.15867	8.26E-03	1.85E-02	3.72E-03	5.01E-04	3.10E-02	7.52E-03	1.87E-08	4.96E-05	1.37E-05	7.58E-03	9.56E-03	1.85E-02	3.72E-03	5.01E-04	3.23E-02
427	488919.6	3857050.76	2.16388	0.61591	0.6216	0.15902	8.07E-03	1.84E-02	3.96E-03	5.02E-04	3.09E-02	7.35E-03	1.86E-08	5.29E-05	1.37E-05	7.41E-03	9.34E-03	1.84E-02	3.96E-03	5.02E-04	3.22E-02
428	488819.6	3857100.76	2.17708	0.63527	0.6392	0.15405	8.12E-03	1.90E-02	4.08E-03	4.86E-04	3.16E-02	7.39E-03	1.92E-08	5.44E-05	1.33E-05	7.46E-03	9.39E-03	1.90E-02	4.08E-03	4.86E-04	3.29E-02
429	488869.6	3857100.76	2.1253	0.63032	0.6708	0.15355	7.93E-03	1.88E-02	4.28E-03	4.85E-04	3.15E-02	7.22E-03	1.90E-08	5.71E-05	1.32E-05	7.29E-03	9.17E-03	1.88E-02	4.28E-03	4.85E-04	3.27E-02
430	488919.6	3857100.76	2.07196	0.62732	0.7318	0.15248	7.73E-03	1.87E-02	4.67E-03	4.81E-04	3.16E-02	7.03E-03	1.89E-08	6.22E-05	1.31E-05	7.11E-03	8.94E-03	1.87E-02	4.67E-03	4.81E-04	3.28E-02
431	488819.6	3857150.76	2.0941	0.64962	0.739	0.15039	7.81E-03	1.94E-02	4.71E-03	4.75E-04	3.24E-02	7.11E-03	1.96E-08	6.29E-05	1.30E-05	7.19E-03	9.04E-03	1.94E-02	4.71E-03	4.75E-04	3.36E-02
432	488869.6	3857150.76	2.04561	0.64594	0.7826	0.14978	7.63E-03	1.93E-02	4.99E-03	4.73E-04	3.24E-02	6.94E-03	1.95E-08	6.66E-05	1.29E-05	7.02E-03	8.83E-03	1.93E-02	4.99E-03	4.73E-04	3.36E-02
433	488919.6	3857150.76	2.00288	0.64159	0.826	0.15014	7.47E-03	1.91E-02	5.27E-03	4.74E-04	3.24E-02	6.80E-03	1.94E-08	7.02E-05	1.29E-05	6.88E-03	8.64E-03	1.91E-02	5.27E-03	4.74E-04	3.35E-02
434	488969.6	3857150.76	1.96126	0.6365	0.8805	0.14963	7.32E-03	1.90E-02	5.62E-03	4.72E-04	3.24E-02	6.66E-03	1.92E-08	7.49E-05	1.29E-05	6.75E-03	8.46E-03	1.90E-02	5.62E-03	4.72E-04	3.35E-02
435	488819.6	3857200.76	2.09607	0.66251	0.8631	0.14886	7.82E-03	1.98E-02	5.51E-03	4.70E-04	3.36E-02	7.12E-03	2.00E-08	7.34E-05	1.28E-05	7.20E-03	9.04E-03	1.98E-02	5.51E-03	4.70E-04	3.48E-02
436	488869.6	3857200.76	2.02843	0.65966	0.9122	0.14761	7.57E-03	1.97E-02	5.82E-03	4.66E-04	3.35E-02	6.89E-03	1.99E-08	7.76E-05	1.27E-05	6.98E-03	8.75E-03	1.97E-02	5.82E-03	4.66E-04	3.47E-02
437	488919.6	3857200.76	1.96484	0.65628	0.9482	0.15009	7.33E-03	1.96E-02	6.05E-03	4.74E-04	3.34E-02	6.67E-03	1.98E-08	8.06E-05	1.29E-05	6.76E-03	8.48E-03	1.96E-02	6.05E-03	4.74E-04	3.46E-02
438	488969.6	3857200.76	1.91247	0.6492	0.9927	0.14941	7.14E-03	1.94E-02	6.33E-03	4.72E-04	3.33E-02	6.49E-03	1.96E-08	8.44E-05	1.29E-05	6.59E-03	8.25E-03	1.94E-02	6.33E-03	4.72E-04	3.44E-02
439	488819.6	3857250.76	2.067	0.68148	1.0182	0.14837	7.71E-03	2.03E-02	6.49E-03	4.68E-04	3.50E-02	7.02E-03	2.06E-08	8.66E-05	1.28E-05	7.12E-03	8.92E-03	2.03E-02	6.49E-03	4.68E-04	3.62E-02
440	488869.6	3857250.76	2.02315	0.67723	1.0475	0.15099	7.55E-03	2.02E-02	6.68E-03	4.77E-04	3.49E-02	6.87E-03	2.05E-08	8.91E-05	1.30E-05	6.97E-03	8.73E-03	2.02E-02	6.68E-03	4.77E-04	3.61E-02
441	488919.6	3857250.76	1.97039	0.67423	1.1022	0.14855	7.35E-03	2.01E-02	7.03E-03	4.69E-04	3.50E-02	6.69E-03	2.04E-08	9.37E-05	1.28E-05	6.80E-03	8.50E-03	2.01E-02	7.03E-03	4.69E-04	3.61E-02
442	488969.6	3857250.76	1.91841	0.6693	1.1675	0.14858	7.16E-03	2.00E-02	7.45E-03	4.69E-04	3.50E-02	6.51E-03	2.02E-08	9.93E-05	1.28E-05	6.63E-03	8.28E-03	2.00E-02	7.45E-03	4.69E-04	3.62E-02
443	488819.6	3857300.76	2.01718	0.70202	1.1791	0.14933	7.53E-03	2.09E-02	7.52E-03	4.71E-04	3.65E-02	6.85E-03	2.12E-08	1.00E-04	1.29E-05	6.96E-03	8.70E-03	2.09E-02	7.52E-03	4.71E-04	3.76E-02
444	488869.6	3857300.76	1.96402	0.69992	1.2555	0.14493	7.33E-03	2.09E-02	8.01E-03	4.58E-04	3.67E-02	6.67E-03	2.11E-08	1.07E-04	1.25E-05	6.79E-03	8.47E-03	2.09E-02	8.01E-03	4.58E-04	3.78E-02
445	488919.6	3857300.76	1.92001	0.69737	1.2716	0.14367	7.16E-03	2.08E-02	8.11E-03	4.54E-04	3.65E-02	6.52E-03	2.11E-08	1.08E-04	1.24E-05	6.64E-03	8.29E-03	2.08E-02	8.11E-03	4.54E-04	3.77E-02
446	488819.6	3857450.76	1.78886	0.76404	1.7682	0.14639	6.68E-03	2.28E-02	1.13E-02	4.62E-04	4.12E-02	6.07E-03	2.31E-08	1.50E-04	1.26E-05	6.24E-03	7.72E-03	2.28E-02	1.13E-02	4.62E-04	4.23E-02
447	488869.6	3857450.76	1.76114	0.76149	1.7611	0.14862	6.57E-03	2.27E-02	1.12E-02	4.69E-04	4.10E-02	5.98E-03	2.30E-08	1.50E-04	1.28E-05	6.14E-03	7.60E-03	2.27E-02	1.12E-02	4.69E-04	4.20E-02
448	488919.6	3857450.76	1.71881	0.75971	1.7919	0.14818	6.41E-03	2.27E-02	1.14E-02	4.68E-04	4.10E-02	5.84E-03	2.29E-08	1.52E-04	1.28E-05	6.00E-03	7.42E-03	2.27E-02	1.14E-02	4.68E-04	4.20E-02
449	488819.6	3857500.76	1.69971	0.78453	2.0645	0.14917	6.34E-03	2.34E-02	1.32E-02	4.71E-04	4.34E-02	5.77E-03	2.37E-08	1.76E-04	1.28E-05	5.96E-03	7.33E-03	2.34E-02	1.32E-02	4.71E-04	4.44E-02
450	488869.6	3857500.76	1.64445	0.78112	2.0869	0.1461	6.14E-03	2.33E-02	1.33E-02	4.61E-04	4.32E-02	5.58E-03	2.36E-08	1.77E-04	1.26E-05	5.77E-03	7.10E-03	2.33E-02	1.33E-02	4.61E-04	4.42E-02
451	488919.6	3857500.76	1.60912	0.7832	2.0476	0.14964	6.00E-03	2.34E-02	1.31E-02	4.72E-04	4.29E-02	5.46E-03	2.37E-08	1.74E-04	1.29E-05	5.65E-03	6.94E-03	2.34E-02	1.31E-02	4.72E-04	4.38E-02
452	488819.6	3857550.76	1.69302	0.80356	2.4408	0.14838	6.32E-03	2.40E-02	1.56E-02	4.68E-04	4.63E-02	5.75E-03	2.43E-08	2.08E-04	1.28E-05	5.97E-03	7.31E-03	2.40E-02	1.56E-02	4.68E-04	4.73E-02
453	488869.6	3857550.76	1.66534	0.80309	2.3769	0.14756	6.21E-03	2.40E-02	1.52E-02	4.66E-04	4.58E-02	5.65E-03	2.43E-08	2.02E-04	1.27E-05	5.87E-03	7.19E-03	2.40E-02	1.52E-02	4.66E-04	4.68E-02
454	488919.6	3857550.76	1.6157	0.80898	2.3396	0.15008	6.03E-03	2.41E-02	1.49E-02	4.74E-04	4.56E-02	5.49E-03	2.44E-08	1.99E-04	1.29E-05	5.70E-03	6.97E-03	2.41E-02	1.49E-02	4.74E-04	4.65E-02
455	489663.71	3860900.05	0.44874	1.34121	0.0427	0.13796	1.67E-03	4.00E-02	2.72E-04	4.36E-04	4.24E-02	1.52E-03	4.05E-08	3.63E-06	1.19E-05	1.54E-03	1.94E-03	4.00E-02	2.72E-04	4.36E-04	4.27E-02
456	489813.71	3860900.05	0.46941	1.28427	0.0399	0.13513	1.75E-03	3.83E-02	2.54E-04	4.27E-04	4.07E-02	1.59E-03	3.88E-08	3.39E-06	1.16E-05	1.61E-03	2.03E-03	3.83E-02	2.54E-04	4.27E-04	4.10E-02
457	489863.71	3860900.05	0.45041	1.24325	0.0386	0.13436	1.68E-03	3.71E-02	2.46E-04	4.24E-04	3.94E-02	1.53E-03	3.75E-08	3.28E-06	1.16E-05	1.54E-03	1.94E-03	3.71E-02	2.46E-04	4.24E-04	3.97E-02
458	489913.71	3860900.05	0.43459	1.21849	0.0379	0.13392	1.62E-03	3.64E-02	2.42E-04	4.23E-04	3.86E-02	1.48E-03	3.68E-08	3.22E-06	1.15E-05	1.49E-03	1.88E-03	3.64E-02	2.42E-04	4.23E-04	3.89E-02
459	489963.71	3860900.05	0.44236	1.19696	0.0375	0.13365	1.65E-03	3.57E-02	2.39E-04	4.22E-04	3.80E-02	1.50E-03	3.61E-08	3.19E-06	1.15E-05	1.52E-03	1.91E-03	3.57E-02	2.39E-04	4.22E-04	3.83E-02
460	490013.71	3860900.05	0.43663	1.18009	0.0375	0.13494	1.63E-03	3.52E-02	2.39E-04	4.26E-04	3.75E-02	1.48E-03	3.56E-08	3.19E-06	1.16E-05	1.50E-03	1.88E-03	3.52E-02	2.39E-04	4.26E-04	3.78E-02
461	490063.71	3860900.05	0.43327	1.1586	0.0386	0.13549	1.62E-03	3.46E-02	2.46E-04	4.28E-04	3.69E-02	1.47E-03	3.50E-08	3.28E-06	1.17E-05	1.49E-03	1.87E-03	3.46E-02	2.46E-04	4.28E-04	3.71E-02
462	489663.71	3860950.05	0.43251	1.27446	0.0427	0.13136	1.61E-03	3.80E-02	2.72E-04	4.15E-04	4.03E-02	1.47E-03	3.85E-08	3.63E-06	1.13E-05	1.48E-03	1.87E-03	3.80E-02	2.72E-04	4.15E-04	4.06E-02
463	489813.71	3860950.05	0.45622	1.22066	0.04	0.12602	1.70E-03	3.64E-02	2.55E-04	3.98E-04	3.88E-02	1.55E-03	3.69E-08	3.40E-06	1.09E-05	1.56E-03	1.97E-03	3.64E-02	2.55E-04	3.98E-04	3.90E-02
464	489863.71	3860950.05	0.46081	1.20245	0.0386	0.12481	1.72E-03	3.59E-02	2.46E-04	3.94E-04	3.82E-02	1.56E-03	3.63E-08	3.28E-06	1.07E-05	1.58E-03	1.99E-03	3.59E-02	2.46E-04	3.94E-04	3.85E-02
465	489913.71	3860950.05	0.44278	1.16776	0.0375	0.12488	1.65E-03	3.48E-02	2.39E-04	3.94E-04	3.71E-02	1.50E-03	3.53E-08	3.19E-06	1.08E-05	1.52E-03	1.91E-03	3.48E-02	2.39E-04	3.94E-04	3.74E-02
466	489963.71	3860950.05	0.42611	1.13696	0.037	0.12446	1.59E-03	3.39E-02	2.36E-04	3.93E-04	3.61E-02	1.45E-03	3.43E-08	3.14E-06	1.07E-05	1.46E-03	1.84E-03	3.39E-02	2.36E-04	3.93E-04	3.64E-02
467	490013.71	3860950.05	0.43553	1.11301	0.0367	0.12417	1.63E-03	3.32E-02	2.34E-04	3.92E-04	3.55E-02	1.48E-03	3.36E-08	3.12E-06	1.07E-05	1.49E-03	1.88E-03	3.32E-02	2.34E-04	3.92E-04	3.57E-02
468	490063.71	3860950.05	0.42741	1.09937	0.0371	0.12624	1.59E-03	3.28E-02	2.37E-04	3.99E-04	3.50E-02	1.45E-03	3.32E-08	3.15E-06	1.09E-05	1.47E-03	1.84E-03	3.28E-02	2.37E-04	3.99E-04	3.53E-02
469	489513.71	3861000.05	0.4545	1.2143	0.04	0.12086	1.70E-03	3.62E-02	2.55E-04	3.82E-04	3.86E-02	1.54E-03	3.67E-08	3.40E-06	1.04E-05	1.56E-03	1.96E-03	3.62E-02	2.55E-04	3.82E-04	3.88E-02
470	489563.71	3861000.05	0.44879	1.209	0.0412	0.12499	1.67E-03	3.61E-02	2.63E-04	3.95E-04	3.84E-02	1.52E-03	3.65E-08	3.50E-06	1.08E-05	1.54E-03	1.94E-03	3.61E-02	2.63E-04	3.95E-04	3.87E-02
471	489613.71	3861000.05	0.43733	1.21427	0.0433	0.12911	1.63E-03	3.62E-02	2.76E-04	4.08E-04	3.85E-02	1.48E-03	3.67E-08	3.68E-06	1.11E-05	1.50E-03	1.89E-03	3.62E-02	2.76E-04	4.08E-04	3.88E-02
472	489663.71	3861000.05	0.43252	1.2166	0.0432	0.12125	1.61E-03	3.63E-02	2.76E-04	3.83E-04	3.86E-02	1.47E-03	3.67E-08	3.68E-06	1.04E-05	1.48E-03	1.87E-03	3.63E-02	2.76E-04	3.83E-04	3.88E-02
473	489713.71	3861000.05	0.42706	1.20666	0.0406	0.12009	1.59E-03	3.60E-02	2.59E-04	3.79E-04	3.82E-02	1.45E-03	3.64E-08	3.46E-06	1.03E-05	1.46E-03	1.84E-03	3.60E-02	2.59E-04	3.79E-04	3.85E-02
474	489763.71	3861000.05	0.43964	1.16751	0.0397	0.12043	1.64E-03	3.48E-02	2.53E-04	3.80E-04	3.71E-02	1.49E-03	3.53E-08	3.37E-06	1.04E-05	1.51E-03	1.90E-03	3.48E-02	2.53E-04	3.80E-04	3.74E-02
475	489813.71	3861000.05	0.44652	1.15101	0.0396	0.119	1.67E-03	3.43E-02	2.53E-04	3.76E-04	3.66E-02	1.52E-03	3.48E-08	3.37E-06	1.02E-05	1.53E-03	1.93E-03	3.43E-02	2.53E-04	3.76E-04	3.69E-02
476	489863.71	3861000.05	0.44974	1.13611	0.0387	0.11852	1.68E-03	3.39E-02	2.47E-04	3.74E-04	3.62E-02	1.53E-03	3.43E-08	3.29E-06	1.02E-05	1.54E-03	1.94E-03	3.39E-02	2.47E-04	3.74E-04	3.65E-02
477	489913.71	3861000.05	0.45381	1.13045	0.0375	0.11742	1.69E-03	3.37E-02	2.39E-04	3.71E-04	3.60E-02	1.54E-03	3.41E-08	3.19E-06	1.01E-05	1.55E-03	1.96E-03	3.37E-02	2.39E-04	3.71E-04	3.63E-02
478	489963.71	3861000.05	0.43444	1.10706	0.0365	0.11579	1.62E-03	3.30E-02	2.33E-04	3.66E-04	3.52E-02	1.47E-03	3.34E-08	3.11E-06	9.97E-06	1.49E-03	1.87E-03	3.30E-02	2.33E-04	3.66E-04	3.55E-02
479	490013.71	3861000.05	0.4175	1.07327	0.0361	0.11609	1.56E-03	3.20E-02	2.30E-04	3.67E-04	3.42E-02	1.42E-03	3.24E-08	3.07E-06	1.00E-05	1.43E-03	1.80E-03	3.20E-02	2.30E-04	3.67E-04	3.44E-02
480	490063.71	3861000.05	0.42996	1.05495	0.036	0.11601	1.60E-03	3.15E-02	2.29E-04	3.66E-04	3.37E-02	1.46E-03	3.19E-08	3.06E-06	9.99E-06	1.47E-03	1.86E-03	3.15E-02	2.29E-04	3.66E-04	3.39E-02
481	489513.71	3861050.05	0.44609	1.165	0.0374	0.11405	1.66E-03	3.48E-02	2.39E-04	3.60E-04	3.70E-02	1.51E-03	3.52E-08	3.18E-06	9.82E-06	1.53E-03	1.92E-03	3.48E-02	2.39E-04	3.60E-04	3.73E-02
482	489563.71	3861050.05	0.44859	1.14251	0.0395	0.11268	1.67E-03	3.41E-02	2.52E-04	3.56E-04	3.64E-02	1.52E-03	3.45E-08	3.36E-06	9.70E-06	1.54E-03	1.94E-03	3.41E-02	2.52E-04	3.56E-04	3.66E-02
483	489613.71	3861050.05	0.44064	1.15138	0.0414	0.11676	1.64E-03	3.43E-02	2.64E-04	3.69E-04	3.66E-02	1.50E-03	3.48E-08	3.52E-06	1.01E-05	1.51E-03	1.90E-03	3.43E-02	2.64E-04	3.69E-04	3.69E-02
484	489663.71	3861050.05	0.42894	1.137	0.0433	0.12038	1.60E-03	3.39E-02	2.76E-04	3.80E-04	3.62E-02	1.46E-03	3.43E-08	3.68E-06	1.04E-05	1.47E-03	1.85E-03	3.39E-02	2.76E-04	3.80E-04	3.64E-02

485	489713.71	3861050.05	0.42625	1.13342	0.041	0.11303	1.59E-03	3.38E-02	2.61E-04	3.57E-04	3.60E-02	1.45E-03	3.42E-08	3.48E-06	9.73E-06	1.46E-03	1.84E-03	3.38E-02	2.61E-04	3.57E-04	3.63E-02
486	489763.71	3861050.05	0.42273	1.12985	0.0392	0.1107	1.58E-03	3.37E-02	2.50E-04	3.50E-04	3.59E-02	1.44E-03	3.41E-08	3.33E-06	9.53E-06	1.45E-03	1.82E-03	3.37E-02	2.50E-04	3.50E-04	3.61E-02
487	489813.71	3861050.05	0.43425	1.10368	0.039	0.1118	1.62E-03	3.29E-02	2.49E-04	3.53E-04	3.51E-02	1.47E-03	3.33E-08	3.32E-06	9.63E-06	1.49E-03	1.87E-03	3.29E-02	2.49E-04	3.53E-04	3.54E-02
488	489863.71	3861050.05	0.44042	1.07891	0.0388	0.11417	1.64E-03	3.22E-02	2.47E-04	3.60E-04	3.44E-02	1.50E-03	3.26E-08	3.30E-06	9.83E-06	1.51E-03	1.90E-03	3.22E-02	2.47E-04	3.60E-04	3.47E-02
489	489913.71	3861050.05	0.44569	1.06491	0.0375	0.1117	1.66E-03	3.18E-02	2.39E-04	3.53E-04	3.40E-02	1.51E-03	3.22E-08	3.19E-06	9.62E-06	1.53E-03	1.92E-03	3.18E-02	2.39E-04	3.53E-04	3.43E-02
490	489963.71	3861050.05	0.4438	1.06165	0.0363	0.11054	1.66E-03	3.17E-02	2.32E-04	3.49E-04	3.39E-02	1.51E-03	3.21E-08	3.09E-06	9.52E-06	1.52E-03	1.92E-03	3.17E-02	2.32E-04	3.49E-04	3.42E-02
491	490013.71	3861050.05	0.42553	1.05188	0.0357	0.10877	1.59E-03	3.14E-02	2.28E-04	3.43E-04	3.35E-02	1.44E-03	3.18E-08	3.04E-06	9.37E-06	1.46E-03	1.84E-03	3.14E-02	2.28E-04	3.43E-04	3.38E-02
492	490063.71	3861050.05	0.41219	1.02922	0.0353	0.10807	1.54E-03	3.07E-02	2.25E-04	3.41E-04	3.28E-02	1.40E-03	3.11E-08	3.00E-06	9.31E-06	1.41E-03	1.78E-03	3.07E-02	2.25E-04	3.41E-04	3.31E-02
493	489513.71	3861100.05	0.43979	1.11263	0.0362	0.11452	1.64E-03	3.32E-02	2.31E-04	3.62E-04	3.54E-02	1.49E-03	3.36E-08	3.07E-06	9.86E-06	1.51E-03	1.90E-03	3.32E-02	2.31E-04	3.62E-04	3.57E-02
494	489563.71	3861100.05	0.44015	1.09445	0.039	0.10725	1.64E-03	3.27E-02	2.49E-04	3.39E-04	3.49E-02	1.49E-03	3.31E-08	3.32E-06	9.24E-06	1.51E-03	1.90E-03	3.27E-02	2.49E-04	3.39E-04	3.51E-02
495	489613.71	3861100.05	0.44434	1.08215	0.0393	0.10507	1.66E-03	3.23E-02	2.51E-04	3.32E-04	3.45E-02	1.51E-03	3.27E-08	3.34E-06	9.05E-06	1.52E-03	1.92E-03	3.23E-02	2.51E-04	3.32E-04	3.48E-02
496	489663.71	3861100.05	0.42986	1.08411	0.0413	0.10891	1.60E-03	3.23E-02	2.64E-04	3.44E-04	3.46E-02	1.46E-03	3.27E-08	3.51E-06	9.38E-06	1.47E-03	1.85E-03	3.23E-02	2.64E-04	3.44E-04	3.48E-02
497	489713.71	3861100.05	0.42197	1.0706	0.0415	0.11194	1.57E-03	3.19E-02	2.64E-04	3.53E-04	3.41E-02	1.43E-03	3.23E-08	3.53E-06	9.64E-06	1.45E-03	1.82E-03	3.19E-02	2.64E-04	3.53E-04	3.44E-02
498	489763.71	3861100.05	0.41818	1.06609	0.0389	0.10632	1.56E-03	3.18E-02	2.48E-04	3.36E-04	3.39E-02	1.42E-03	3.22E-08	3.31E-06	9.16E-06	1.43E-03	1.80E-03	3.18E-02	2.48E-04	3.36E-04	3.42E-02
499	489813.71	3861100.05	0.41888	1.0609	0.0385	0.10514	1.56E-03	3.17E-02	2.46E-04	3.32E-04	3.38E-02	1.42E-03	3.20E-08	3.28E-06	9.05E-06	1.43E-03	1.81E-03	3.17E-02	2.46E-04	3.32E-04	3.40E-02
500	489863.71	3861100.05	0.42953	1.04846	0.0384	0.10592	1.60E-03	3.13E-02	2.45E-04	3.34E-04	3.35E-02	1.46E-03	3.17E-08	3.26E-06	9.12E-06	1.47E-03	1.85E-03	3.13E-02	2.45E-04	3.34E-04	3.37E-02
501	489913.71	3861100.05	0.43432	1.01981	0.0376	0.10766	1.62E-03	3.04E-02	2.40E-04	3.40E-04	3.26E-02	1.47E-03	3.08E-08	3.20E-06	9.27E-06	1.49E-03	1.87E-03	3.04E-02	2.40E-04	3.40E-04	3.29E-02
502	489963.71	3861100.05	0.44108	0.9985	0.0364	0.10588	1.65E-03	2.98E-02	2.32E-04	3.34E-04	3.20E-02	1.50E-03	3.02E-08	3.09E-06	9.12E-06	1.51E-03	1.90E-03	2.98E-02	2.32E-04	3.34E-04	3.23E-02
503	490013.71	3861100.05	0.43291	0.98608	0.0353	0.10365	1.62E-03	2.94E-02	2.25E-04	3.27E-04	3.16E-02	1.47E-03	2.98E-08	3.00E-06	8.93E-06	1.48E-03	1.87E-03	2.94E-02	2.25E-04	3.27E-04	3.18E-02
504	490063.71	3861100.05	0.4141	0.99428	0.0349	0.10257	1.55E-03	2.97E-02	2.22E-04	3.24E-04	3.18E-02	1.41E-03	3.00E-08	2.96E-06	8.83E-06	1.42E-03	1.79E-03	2.97E-02	2.22E-04	3.24E-04	3.20E-02
505	489713.71	3861150.05	0.42011	1.02196	0.0413	0.1017	1.57E-03	3.05E-02	2.63E-04	3.21E-04	3.26E-02	1.43E-03	3.09E-08	3.51E-06	8.76E-06	1.44E-03	1.81E-03	3.05E-02	2.63E-04	3.21E-04	3.29E-02
506	489763.71	3861150.05	0.41309	1.02327	0.0394	0.1038	1.54E-03	3.05E-02	2.51E-04	3.28E-04	3.26E-02	1.40E-03	3.09E-08	3.35E-06	8.94E-06	1.41E-03	1.78E-03	3.05E-02	2.51E-04	3.28E-04	3.29E-02
507	489813.71	3861150.05	0.40973	1.00626	0.0377	0.10078	1.53E-03	3.00E-02	2.40E-04	3.18E-04	3.21E-02	1.39E-03	3.04E-08	3.20E-06	8.68E-06	1.40E-03	1.77E-03	3.00E-02	2.40E-04	3.18E-04	3.23E-02
508	489863.71	3861150.05	0.41696	1.00195	0.0379	0.10069	1.56E-03	2.99E-02	2.42E-04	3.18E-04	3.20E-02	1.42E-03	3.03E-08	3.22E-06	8.67E-06	1.43E-03	1.80E-03	2.99E-02	2.42E-04	3.18E-04	3.23E-02
509	489913.71	3861150.05	0.42341	0.99074	0.0377	0.10106	1.58E-03	2.96E-02	2.40E-04	3.19E-04	3.17E-02	1.44E-03	2.99E-08	3.20E-06	8.70E-06	1.45E-03	1.83E-03	2.96E-02	2.40E-04	3.19E-04	3.19E-02
510	489963.71	3861150.05	0.42787	0.97038	0.0364	0.10071	1.60E-03	2.89E-02	2.32E-04	3.18E-04	3.11E-02	1.45E-03	2.93E-08	3.10E-06	8.67E-06	1.46E-03	1.85E-03	2.89E-02	2.32E-04	3.18E-04	3.13E-02
511	490013.71	3861150.05	0.43409	0.94455	0.0353	0.10109	1.62E-03	2.82E-02	2.25E-04	3.19E-04	3.03E-02	1.47E-03	2.85E-08	3.00E-06	8.70E-06	1.49E-03	1.87E-03	2.82E-02	2.25E-04	3.19E-04	3.06E-02
512	490063.71	3861150.05	0.42238	0.92903	0.0344	0.09877	1.58E-03	2.77E-02	2.19E-04	3.12E-04	2.98E-02	1.43E-03	2.81E-08	2.92E-06	8.51E-06	1.45E-03	1.82E-03	2.77E-02	2.19E-04	3.12E-04	3.01E-02
513	489613.71	3861200.05	0.42388	0.98375	0.0378	0.09859	1.58E-03	2.93E-02	2.41E-04	3.11E-04	3.15E-02	1.44E-03	2.97E-08	3.22E-06	8.49E-06	1.45E-03	1.83E-03	2.93E-02	2.41E-04	3.11E-04	3.17E-02
514	489663.71	3861200.05	0.42921	0.96864	0.0377	0.09307	1.60E-03	2.89E-02	2.40E-04	2.94E-04	3.10E-02	1.46E-03	2.93E-08	3.20E-06	8.01E-06	1.47E-03	1.85E-03	2.89E-02	2.40E-04	2.94E-04	3.13E-02
515	489713.71	3861200.05	0.42331	0.97979	0.0395	0.09526	1.58E-03	2.92E-02	2.52E-04	3.01E-04	3.14E-02	1.44E-03	2.96E-08	3.36E-06	8.20E-06	1.45E-03	1.83E-03	2.92E-02	2.52E-04	3.01E-04	3.16E-02
516	489763.71	3861200.05	0.41094	0.97113	0.0399	0.09339	1.53E-03	2.90E-02	2.54E-04	2.95E-04	3.11E-02	1.40E-03	2.93E-08	3.39E-06	8.04E-06	1.41E-03	1.77E-03	2.90E-02	2.54E-04	2.95E-04	3.13E-02
517	489813.71	3861200.05	0.40661	0.98006	0.0374	0.0961	1.52E-03	2.92E-02	2.39E-04	3.03E-04	3.13E-02	1.38E-03	2.96E-08	3.18E-06	8.28E-06	1.39E-03	1.75E-03	2.92E-02	2.39E-04	3.03E-04	3.15E-02
518	489863.71	3861200.05	0.40311	0.96406	0.0374	0.09539	1.50E-03	2.88E-02	2.38E-04	3.01E-04	3.08E-02	1.37E-03	2.91E-08	3.18E-06	8.21E-06	1.38E-03	1.74E-03	2.88E-02	2.38E-04	3.01E-04	3.10E-02
519	489913.71	3861200.05	0.41487	0.95654	0.0372	0.09596	1.55E-03	2.85E-02	2.38E-04	3.03E-04	3.06E-02	1.41E-03	2.89E-08	3.17E-06	8.26E-06	1.42E-03	1.79E-03	2.85E-02	2.38E-04	3.03E-04	3.09E-02
520	489963.71	3861200.05	0.41795	0.94198	0.0365	0.09594	1.56E-03	2.81E-02	2.33E-04	3.03E-04	3.02E-02	1.42E-03	2.84E-08	3.11E-06	8.26E-06	1.43E-03	1.80E-03	2.81E-02	2.33E-04	3.03E-04	3.04E-02
521	490013.71	3861200.05	0.42227	0.9206	0.0354	0.09479	1.58E-03	2.75E-02	2.26E-04	2.99E-04	2.96E-02	1.43E-03	2.78E-08	3.01E-06	8.16E-06	1.44E-03	1.82E-03	2.75E-02	2.26E-04	2.99E-04	2.98E-02
522	490063.71	3861200.05	0.42951	0.90344	0.0343	0.09453	1.60E-03	2.70E-02	2.19E-04	2.98E-04	2.91E-02	1.46E-03	2.73E-08	2.92E-06	8.14E-06	1.47E-03	1.85E-03	2.70E-02	2.19E-04	2.98E-04	2.93E-02
523	489513.71	3861250.05	0.41094	1.00002	0.0322	0.10537	1.53E-03	2.98E-02	2.05E-04	3.33E-04	3.19E-02	1.40E-03	3.02E-08	2.73E-06	9.07E-06	1.41E-03	1.77E-03	2.98E-02	2.05E-04	3.33E-04	3.21E-02
524	489563.71	3861250.05	0.41142	0.97882	0.0332	0.10069	1.54E-03	2.92E-02	2.12E-04	3.18E-04	3.13E-02	1.40E-03	2.96E-08	2.82E-06	8.67E-06	1.41E-03	1.78E-03	2.92E-02	2.12E-04	3.18E-04	3.15E-02
525	489613.71	3861250.05	0.41583	0.95185	0.035	0.09726	1.55E-03	2.84E-02	2.23E-04	3.07E-04	3.05E-02	1.41E-03	2.87E-08	2.98E-06	8.38E-06	1.42E-03	1.79E-03	2.84E-02	2.23E-04	3.07E-04	3.07E-02
526	489663.71	3861250.05	0.41956	0.93578	0.0372	0.09332	1.57E-03	2.79E-02	2.37E-04	2.95E-04	3.00E-02	1.42E-03	2.83E-08	3.16E-06	8.04E-06	1.44E-03	1.81E-03	2.79E-02	2.37E-04	2.95E-04	3.03E-02
527	489713.71	3861250.05	0.42452	0.92327	0.0379	0.08783	1.58E-03	2.75E-02	2.42E-04	2.77E-04	2.96E-02	1.44E-03	2.79E-08	3.22E-06	7.56E-06	1.45E-03	1.83E-03	2.75E-02	2.42E-04	2.77E-04	2.99E-02
528	489763.71	3861250.05	0.415	0.94072	0.0396	0.08954	1.55E-03	2.81E-02	2.53E-04	2.83E-04	3.01E-02	1.41E-03	2.84E-08	3.37E-06	7.71E-06	1.42E-03	1.79E-03	2.81E-02	2.53E-04	2.83E-04	3.04E-02
529	489813.71	3861250.05	0.40513	0.92943	0.0379	0.0888	1.51E-03	2.77E-02	2.42E-04	2.80E-04	2.98E-02	1.38E-03	2.81E-08	3.22E-06	7.65E-06	1.39E-03	1.75E-03	2.77E-02	2.42E-04	2.80E-04	3.00E-02
530	489863.71	3861250.05	0.40258	0.93507	0.0365	0.08937	1.50E-03	2.79E-02	2.33E-04	2.82E-04	2.99E-02	1.37E-03	2.82E-08	3.11E-06	7.70E-06	1.38E-03	1.74E-03	2.79E-02	2.33E-04	2.82E-04	3.01E-02
531	489913.71	3861250.05	0.39579	0.92676	0.0368	0.09043	1.48E-03	2.76E-02	2.35E-04	2.86E-04	2.96E-02	1.34E-03	2.80E-08	3.13E-06	7.79E-06	1.35E-03	1.71E-03	2.76E-02	2.35E-04	2.86E-04	2.99E-02
532	489963.71	3861250.05	0.41032	0.91021	0.0366	0.09151	1.53E-03	2.72E-02	2.34E-04	2.89E-04	2.92E-02	1.39E-03	2.75E-08	3.11E-06	7.88E-06	1.40E-03	1.77E-03	2.72E-02	2.34E-04	2.89E-04	2.94E-02
533	490013.71	3861250.05	0.41463	0.9034	0.0355	0.09037	1.55E-03	2.70E-02	2.26E-04	2.85E-04	2.90E-02	1.41E-03	2.73E-08	3.02E-06	7.78E-06	1.42E-03	1.79E-03	2.70E-02	2.26E-04	2.85E-04	2.93E-02
534	490063.71	3861250.05	0.41725	0.88041	0.0344	0.08921	1.56E-03	2.63E-02	2.19E-04	2.82E-04	2.83E-02	1.42E-03	2.66E-08	2.92E-06	7.68E-06	1.43E-03	1.80E-03	2.63E-02	2.19E-04	2.82E-04	2.86E-02
535	489528.13	3861308.47	0.40356	0.95335	0.0317	0.10059	1.51E-03	2.84E-02	2.02E-04	3.18E-04	3.05E-02	1.37E-03	2.88E-08	2.70E-06	8.66E-06	1.38E-03	1.74E-03	2.84E-02	2.02E-04	3.18E-04	3.07E-02
536	489578.13	3861308.47	0.40076	0.94121	0.0325	0.09926	1.50E-03	2.81E-02	2.07E-04	3.13E-04	3.01E-02	1.36E-03	2.84E-08	2.76E-06	8.55E-06	1.37E-03	1.73E-03	2.81E-02	2.07E-04	3.13E-04	3.03E-02
537	489628.13	3861308.47	0.40081	0.92504	0.0334	0.09403	1.50E-03	2.76E-02	2.13E-04	2.97E-04	2.96E-02	1.36E-03	2.79E-08	2.84E-06	8.10E-06	1.37E-03	1.73E-03	2.76E-02	2.13E-04	2.97E-04	2.98E-02
538	489678.13	3861308.47	0.41201	0.90736	0.0366	0.09008	1.54E-03	2.71E-02	2.34E-04	2.84E-04	2.91E-02	1.40E-03	2.74E-08	3.12E-06	7.76E-06	1.41E-03	1.78E-03	2.71E-02	2.34E-04	2.84E-04	2.94E-02
539	489728.13	3861308.47	0.41596	0.8875	0.0365	0.08733	1.55E-03	2.65E-02	2.33E-04	2.76E-04	2.85E-02	1.41E-03	2.68E-08	3.11E-06	7.52E-06	1.42E-03	1.79E-03	2.65E-02	2.33E-04	2.76E-04	2.88E-02
540	489778.13	3861308.47	0.4182	0.88036	0.0381	0.08273	1.56E-03	2.63E-02	2.43E-04	2.61E-04	2.83E-02	1.42E-03	2.66E-08	3.24E-06	7.12E-06	1.43E-03	1.80E-03	2.63E-02	2.43E-04	2.61E-04	2.86E-02
541	489678.13	3861358.47	0.39731	0.89425	0.0351	0.08952	1.48E-03	2.67E-02	2.24E-04	2.83E-04	2.87E-02	1.35E-03	2.70E-08	2.99E-06	7.71E-06	1.36E-03	1.71E-03	2.67E-02	2.24E-04	2.83E-04	2.89E-02
542	489728.13	3861358.47	0.40589	0.87965	0.036	0.08481	1.51E-03	2.62E-02	2.30E-04	2.68E-04	2.83E-02	1.38E-03	2.66E-08	3.06E-06	7.30E-06	1.39E-03	1.75E-03	2.62E-02	2.30E-04	2.68E-04	2.85E-02
543	489528.13	3861408.47	0.40847	0.85668	0.0312	0.08997	1.52E-03	2.56E-02	1.99E-04	2.84E-04	2.76E-02	1.39E-03	2.59E-08	2.65E-06	7.75E-06	1.40E-03	1.76E-03	2.56E-02	1.99E-04	2.84E-04	2.78E-02
544	489578.13	3861408.47	0.39766	0.87123	0.0308	0.09214	1.48E-03	2.60E-02	1.97E-04	2.91E-04	2.80E-02	1.35E-03	2.63E-08	2.62E-06	7.93E-06	1.36E-03	1.72E-03	2.60E-02	1.97E-04	2.91E-04	2.82E-02
545	489628.13	3861408.47	0.39262	0.86072	0.0317	0.09133	1.47E-03	2.57E-02	2.02E-04	2.88E-04	2.76E-02	1.33E-03	2.60E-08	2.69E-06	7.86E-06	1.34E-03	1.69E-03	2.57E-02	2.02E-04	2.88E-04	2.79E-02

546	489678.13	3861408.47	0.3932	0.86167	0.0325	0.09014	1.47E-03	2.57E-02	2.07E-04	2.85E-04	2.77E-02	1.33E-03	2.60E-08	2.77E-06	7.76E-06	1.35E-03	1.70E-03	2.57E-02	2.07E-04	2.85E-04	2.79E-02
547	489728.13	3861408.47	0.39739	0.86586	0.0356	0.08532	1.48E-03	2.58E-02	2.27E-04	2.69E-04	2.78E-02	1.35E-03	2.61E-08	3.03E-06	7.35E-06	1.36E-03	1.71E-03	2.58E-02	2.27E-04	2.69E-04	2.80E-02
548	489528.13	3861458.47	0.40358	0.82354	0.0303	0.08429	1.51E-03	2.46E-02	1.94E-04	2.66E-04	2.65E-02	1.37E-03	2.49E-08	2.58E-06	7.26E-06	1.38E-03	1.74E-03	2.46E-02	1.94E-04	2.66E-04	2.68E-02
549	489578.13	3861458.47	0.40399	0.82154	0.0305	0.0856	1.51E-03	2.45E-02	1.95E-04	2.70E-04	2.65E-02	1.37E-03	2.48E-08	2.60E-06	7.37E-06	1.38E-03	1.74E-03	2.45E-02	1.95E-04	2.70E-04	2.67E-02
550	489628.13	3861458.47	0.38845	0.83071	0.0313	0.08806	1.45E-03	2.48E-02	1.99E-04	2.78E-04	2.67E-02	1.32E-03	2.51E-08	2.66E-06	7.58E-06	1.33E-03	1.68E-03	2.48E-02	1.99E-04	2.78E-04	2.69E-02
551	489678.13	3861458.47	0.3837	0.82315	0.0312	0.08721	1.43E-03	2.46E-02	1.99E-04	2.75E-04	2.65E-02	1.30E-03	2.49E-08	2.65E-06	7.51E-06	1.31E-03	1.66E-03	2.46E-02	1.99E-04	2.75E-04	2.67E-02
552	489728.13	3861458.47	0.38466	0.82858	0.0343	0.08578	1.44E-03	2.47E-02	2.19E-04	2.71E-04	2.66E-02	1.31E-03	2.50E-08	2.92E-06	7.39E-06	1.32E-03	1.66E-03	2.47E-02	2.19E-04	2.71E-04	2.69E-02
553	489528.13	3861508.47	0.40027	0.78174	0.0294	0.07763	1.49E-03	2.33E-02	1.87E-04	2.45E-04	2.52E-02	1.36E-03	2.36E-08	2.50E-06	6.68E-06	1.37E-03	1.73E-03	2.33E-02	1.87E-04	2.45E-04	2.55E-02
554	489578.13	3861508.47	0.39992	0.78957	0.0304	0.08065	1.49E-03	2.36E-02	1.94E-04	2.55E-04	2.55E-02	1.36E-03	2.38E-08	2.58E-06	6.94E-06	1.37E-03	1.73E-03	2.36E-02	1.94E-04	2.55E-04	2.57E-02
555	489628.13	3861508.47	0.39555	0.78682	0.0304	0.08174	1.48E-03	2.35E-02	1.94E-04	2.58E-04	2.54E-02	1.34E-03	2.38E-08	2.59E-06	7.04E-06	1.35E-03	1.71E-03	2.35E-02	1.94E-04	2.58E-04	2.56E-02
556	489678.13	3861508.47	0.37903	0.79094	0.0309	0.08414	1.41E-03	2.36E-02	1.97E-04	2.66E-04	2.55E-02	1.29E-03	2.39E-08	2.62E-06	7.25E-06	1.30E-03	1.64E-03	2.36E-02	1.97E-04	2.66E-04	2.57E-02
557	489728.13	3861508.47	0.37825	0.79047	0.0318	0.08343	1.41E-03	2.36E-02	2.03E-04	2.63E-04	2.55E-02	1.28E-03	2.39E-08	2.70E-06	7.18E-06	1.29E-03	1.63E-03	2.36E-02	2.03E-04	2.63E-04	2.57E-02
558	489628.13	3861558.47	0.39508	0.76043	0.0297	0.07743	1.47E-03	2.27E-02	1.90E-04	2.44E-04	2.46E-02	1.34E-03	2.30E-08	2.53E-06	6.67E-06	1.35E-03	1.70E-03	2.27E-02	1.90E-04	2.44E-04	2.48E-02
559	489678.13	3861558.47	0.38469	0.76019	0.0306	0.07847	1.44E-03	2.27E-02	1.95E-04	2.48E-04	2.46E-02	1.31E-03	2.30E-08	2.60E-06	6.76E-06	1.32E-03	1.66E-03	2.27E-02	1.95E-04	2.48E-04	2.48E-02
560	489728.13	3861558.47	0.3751	0.76396	0.0305	0.08071	1.40E-03	2.28E-02	1.94E-04	2.55E-04	2.46E-02	1.27E-03	2.31E-08	2.59E-06	6.95E-06	1.28E-03	1.62E-03	2.28E-02	1.94E-04	2.55E-04	2.49E-02
561	489357.08	3861015.81	0.44436	1.2178	0.035	0.13208	1.66E-03	3.63E-02	2.23E-04	4.17E-04	3.86E-02	1.51E-03	3.68E-08	2.97E-06	1.14E-05	1.52E-03	1.92E-03	3.63E-02	2.23E-04	4.17E-04	3.89E-02
562	489407.08	3861015.81	0.44226	1.21128	0.0346	0.12733	1.65E-03	3.61E-02	2.20E-04	4.02E-04	3.84E-02	1.50E-03	3.66E-08	2.94E-06	1.10E-05	1.52E-03	1.91E-03	3.61E-02	2.20E-04	4.02E-04	3.87E-02
563	489457.08	3861015.81	0.44829	1.21516	0.036	0.12288	1.67E-03	3.63E-02	2.30E-04	3.88E-04	3.85E-02	1.52E-03	3.67E-08	3.06E-06	1.06E-05	1.54E-03	1.93E-03	3.63E-02	2.30E-04	3.88E-04	3.88E-02
564	489357.08	3861065.81	0.43578	1.20298	0.0346	0.1273	1.63E-03	3.59E-02	2.21E-04	4.02E-04	3.81E-02	1.48E-03	3.63E-08	2.94E-06	1.10E-05	1.49E-03	1.88E-03	3.59E-02	2.21E-04	4.02E-04	3.84E-02
565	489407.08	3861065.81	0.43548	1.152	0.0342	0.12568	1.62E-03	3.44E-02	2.18E-04	3.97E-04	3.66E-02	1.48E-03	3.48E-08	2.91E-06	1.08E-05	1.49E-03	1.88E-03	3.44E-02	2.18E-04	3.97E-04	3.69E-02
566	489457.08	3861065.81	0.433	1.13781	0.0339	0.12318	1.62E-03	3.39E-02	2.16E-04	3.89E-04	3.62E-02	1.47E-03	3.44E-08	2.89E-06	1.06E-05	1.48E-03	1.87E-03	3.39E-02	2.16E-04	3.89E-04	3.64E-02
567	489357.08	3861115.81	0.43846	1.16562	0.0331	0.12395	1.64E-03	3.48E-02	2.11E-04	3.91E-04	3.70E-02	1.49E-03	3.52E-08	2.82E-06	1.07E-05	1.50E-03	1.89E-03	3.48E-02	2.11E-04	3.91E-04	3.73E-02
568	489407.08	3861115.81	0.42892	1.14634	0.0339	0.12216	1.60E-03	3.42E-02	2.16E-04	3.86E-04	3.64E-02	1.46E-03	3.46E-08	2.88E-06	1.05E-05	1.47E-03	1.85E-03	3.42E-02	2.16E-04	3.86E-04	3.67E-02
569	489457.08	3861115.81	0.43056	1.10279	0.0335	0.11873	1.61E-03	3.29E-02	2.14E-04	3.75E-04	3.51E-02	1.46E-03	3.33E-08	2.85E-06	1.02E-05	1.47E-03	1.86E-03	3.29E-02	2.14E-04	3.75E-04	3.53E-02
570	489407.08	3861165.81	0.43008	1.11247	0.0336	0.11639	1.60E-03	3.32E-02	2.14E-04	3.67E-04	3.54E-02	1.46E-03	3.36E-08	2.86E-06	1.00E-05	1.47E-03	1.86E-03	3.32E-02	2.14E-04	3.67E-04	3.56E-02
571	489457.08	3861165.81	0.42521	1.08987	0.0332	0.1143	1.59E-03	3.25E-02	2.12E-04	3.61E-04	3.47E-02	1.44E-03	3.29E-08	2.82E-06	9.84E-06	1.46E-03	1.83E-03	3.25E-02	2.12E-04	3.61E-04	3.49E-02
572	489407.08	3861215.81	0.427	1.03793	0.0326	0.11382	1.59E-03	3.10E-02	2.08E-04	3.59E-04	3.31E-02	1.45E-03	3.13E-08	2.77E-06	9.80E-06	1.46E-03	1.84E-03	3.10E-02	2.08E-04	3.59E-04	3.34E-02
573	489457.08	3861215.81	0.41667	1.04619	0.0328	0.10956	1.55E-03	3.12E-02	2.09E-04	3.46E-04	3.33E-02	1.41E-03	3.16E-08	2.79E-06	9.43E-06	1.43E-03	1.80E-03	3.12E-02	2.09E-04	3.46E-04	3.36E-02
574	489407.08	3861265.81	0.42173	0.97238	0.0304	0.1061	1.57E-03	2.90E-02	1.94E-04	3.35E-04	3.11E-02	1.43E-03	2.94E-08	2.58E-06	9.14E-06	1.44E-03	1.82E-03	2.90E-02	1.94E-04	3.35E-04	3.14E-02
575	489457.08	3861265.81	0.41933	0.98827	0.0325	0.10694	1.56E-03	2.95E-02	2.07E-04	3.38E-04	3.16E-02	1.42E-03	2.98E-08	2.76E-06	9.21E-06	1.44E-03	1.81E-03	2.95E-02	2.07E-04	3.38E-04	3.18E-02
576	489309.86	3861110.14	0.44082	1.15606	0.0313	0.12918	1.64E-03	3.45E-02	2.00E-04	4.08E-04	3.67E-02	1.50E-03	3.49E-08	2.66E-06	1.11E-05	1.51E-03	1.90E-03	3.45E-02	2.00E-04	4.08E-04	3.70E-02
577	489407.08	3861315.81	0.41869	0.92335	0.0295	0.09621	1.56E-03	2.75E-02	1.88E-04	3.04E-04	2.96E-02	1.42E-03	2.79E-08	2.51E-06	8.28E-06	1.43E-03	1.81E-03	2.75E-02	1.88E-04	3.04E-04	2.98E-02
578	489457.08	3861315.81	0.41719	0.93161	0.0316	0.1003	1.56E-03	2.78E-02	2.02E-04	3.17E-04	2.99E-02	1.42E-03	2.81E-08	2.69E-06	8.64E-06	1.43E-03	1.80E-03	2.78E-02	2.02E-04	3.17E-04	3.01E-02
579	488906.03	3861006.75	0.43642	1.35116	0.0351	0.11872	1.63E-03	4.03E-02	2.24E-04	3.75E-04	4.25E-02	1.48E-03	4.08E-08	2.98E-06	1.02E-05	1.49E-03	1.88E-03	4.03E-02	2.24E-04	3.75E-04	4.28E-02
580	488956.03	3861006.75	0.44312	1.33699	0.0341	0.11566	1.65E-03	3.99E-02	2.18E-04	3.65E-04	4.21E-02	1.50E-03	4.04E-08	2.90E-06	9.96E-06	1.52E-03	1.91E-03	3.99E-02	2.18E-04	3.65E-04	4.24E-02
581	488904.24	3861051.87	0.43245	1.28785	0.0356	0.11951	1.61E-03	3.84E-02	2.27E-04	3.77E-04	4.06E-02	1.47E-03	3.89E-08	3.02E-06	1.03E-05	1.48E-03	1.87E-03	3.84E-02	2.27E-04	3.77E-04	4.09E-02
582	488954.24	3861051.87	0.43577	1.28564	0.0342	0.10773	1.63E-03	3.84E-02	2.18E-04	3.40E-04	4.05E-02	1.48E-03	3.88E-08	2.91E-06	9.28E-06	1.49E-03	1.88E-03	3.84E-02	2.18E-04	3.40E-04	4.08E-02
583	489004.24	3861051.87	0.4513	1.26502	0.0339	0.10895	1.68E-03	3.77E-02	2.16E-04	3.44E-04	4.00E-02	1.53E-03	3.82E-08	2.88E-06	9.38E-06	1.54E-03	1.95E-03	3.77E-02	2.16E-04	3.44E-04	4.02E-02
584	488804.24	3861101.87	0.41603	1.23136	0.0332	0.09259	1.55E-03	3.67E-02	2.12E-04	2.92E-04	3.88E-02	1.41E-03	3.72E-08	2.83E-06	7.97E-06	1.42E-03	1.80E-03	3.67E-02	2.12E-04	2.92E-04	3.90E-02
585	488854.24	3861101.87	0.41883	1.22905	0.0345	0.09885	1.56E-03	3.67E-02	2.20E-04	3.12E-04	3.88E-02	1.42E-03	3.71E-08	2.93E-06	8.51E-06	1.43E-03	1.81E-03	3.67E-02	2.20E-04	3.12E-04	3.90E-02
586	488904.24	3861101.87	0.41601	1.20078	0.0348	0.10787	1.55E-03	3.58E-02	2.22E-04	3.41E-04	3.79E-02	1.41E-03	3.63E-08	2.96E-06	9.29E-06	1.42E-03	1.80E-03	3.58E-02	2.22E-04	3.41E-04	3.82E-02
587	488954.24	3861101.87	0.422	1.18668	0.0334	0.10192	1.57E-03	3.54E-02	2.13E-04	3.22E-04	3.75E-02	1.43E-03	3.58E-08	2.84E-06	8.78E-06	1.44E-03	1.82E-03	3.54E-02	2.13E-04	3.22E-04	3.78E-02
588	489004.24	3861101.87	0.4214	1.1875	0.033	0.102	1.57E-03	3.54E-02	2.10E-04	3.22E-04	3.75E-02	1.43E-03	3.59E-08	2.81E-06	8.78E-06	1.44E-03	1.82E-03	3.54E-02	2.10E-04	3.22E-04	3.78E-02
589	488804.24	3861151.87	0.40133	1.15627	0.0325	0.08027	1.50E-03	3.45E-02	2.07E-04	2.53E-04	3.65E-02	1.36E-03	3.49E-08	2.76E-06	6.91E-06	1.37E-03	1.73E-03	3.45E-02	2.07E-04	2.53E-04	3.67E-02
590	488854.24	3861151.87	0.40321	1.13941	0.033	0.08687	1.50E-03	3.40E-02	2.10E-04	2.74E-04	3.60E-02	1.37E-03	3.44E-08	2.80E-06	7.48E-06	1.38E-03	1.74E-03	3.40E-02	2.10E-04	2.74E-04	3.62E-02
591	489129.49	3861187.55	0.43327	1.01531	0.0321	0.09231	1.62E-03	3.03E-02	2.04E-04	2.91E-04	3.24E-02	1.47E-03	3.07E-08	2.73E-06	7.95E-06	1.48E-03	1.87E-03	3.03E-02	2.04E-04	2.91E-04	3.27E-02
592	489179.49	3861187.55	0.4395	1.00035	0.0319	0.09355	1.64E-03	2.98E-02	2.04E-04	2.95E-04	3.20E-02	1.49E-03	3.02E-08	2.71E-06	8.06E-06	1.50E-03	1.90E-03	2.98E-02	2.04E-04	2.95E-04	3.22E-02
593	488804.24	3861201.87	0.39817	1.09806	0.032	0.07394	1.49E-03	3.28E-02	2.04E-04	2.33E-04	3.47E-02	1.35E-03	3.32E-08	2.72E-06	6.37E-06	1.36E-03	1.72E-03	3.28E-02	2.04E-04	2.33E-04	3.49E-02
594	488854.24	3861201.87	0.39561	1.09024	0.0319	0.07661	1.48E-03	3.25E-02	2.03E-04	2.42E-04	3.44E-02	1.34E-03	3.29E-08	2.71E-06	6.60E-06	1.35E-03	1.71E-03	3.25E-02	2.03E-04	2.42E-04	3.47E-02
595	489129.49	3861237.55	0.42114	0.99136	0.0317	0.08749	1.57E-03	2.96E-02	2.02E-04	2.76E-04	3.16E-02	1.43E-03	2.99E-08	2.70E-06	7.53E-06	1.44E-03	1.82E-03	2.96E-02	2.02E-04	2.76E-04	3.19E-02
596	489179.49	3861237.55	0.43101	0.95893	0.0315	0.08831	1.61E-03	2.86E-02	2.01E-04	2.79E-04	3.07E-02	1.46E-03	2.90E-08	2.68E-06	7.60E-06	1.47E-03	1.86E-03	2.86E-02	2.01E-04	2.79E-04	3.09E-02
597	488804.24	3861251.87	0.39395	1.04503	0.0317	0.06735	1.47E-03	3.12E-02	2.02E-04	2.13E-04	3.31E-02	1.34E-03	3.16E-08	2.69E-06	5.80E-06	1.35E-03	1.70E-03	3.12E-02	2.02E-04	2.13E-04	3.33E-02
598	488854.24	3861251.87	0.39043	1.04278	0.0315	0.07025	1.46E-03	3.11E-02	2.01E-04	2.22E-04	3.30E-02	1.33E-03	3.15E-08	2.67E-06	6.05E-06	1.33E-03	1.68E-03	3.11E-02	2.01E-04	2.22E-04	3.32E-02
599	488804.24	3861301.87	0.38401	0.98684	0.0312	0.06276	1.43E-03	2.94E-02	1.99E-04	1.98E-04	3.13E-02	1.30E-03	2.98E-08	2.65E-06	5.40E-06	1.31E-03	1.66E-03	2.94E-02	1.99E-04	1.98E-04	3.15E-02
600	488854.24	3861301.87	0.38733	0.9979	0.0311	0.06521	1.45E-03	2.98E-02	1.98E-04	2.06E-04	3.16E-02	1.31E-03	3.01E-08	2.64E-06	5.62E-06	1.32E-03	1.67E-03	2.98E-02	1.98E-04	2.06E-04	3.18E-02
601	490943.5	3860181.97	0.4528	1.20597	0.132	0.18427	1.69E-03	3.60E-02	8.42E-04	5.82E-04	3.91E-02	1.54E-03	3.64E-08	1.12E-05	1.59E-05	1.56E-03	1.95E-03	3.60E-02	8.42E-04	5.82E-04	3.94E-02
602	490993.5	3860181.97	0.43926	1.18202	0.1355	0.18199	1.64E-03	3.53E-02	8.64E-04	5.75E-04	3.83E-02	1.49E-03	3.57E-08	1.15E-05	1.57E-05	1.52E-03	1.90E-03	3.53E-02	8.64E-04	5.75E-04	3.86E-02
603	491043.5	3860181.97	0.43373	1.15844	0.1374	0.17997	1.62E-03	3.46E-02	8.76E-04	5.68E-04	3.76E-02	1.47E-03	3.50E-08	1.17E-05	1.55E-05	1.50E-03	1.87E-03	3.46E-02	8.76E-04	5.68E-04	3.79E-02
604	491093.5	3860181.97	0.42833	1.13282	0.1404	0.17672	1.60E-03	3.38E-02	8.96E-04	5.58E-04	3.68E-02	1.45E-03	3.42E-08	1.19E-05	1.52E-05	1.48E-03	1.85E-03	3.38E-02	8.96E-04	5.58E-04	3.71E-02
605	490943.5	3860231.97	0.44612	1.19874	0.119	0.18014	1.66E-03	3.58E-02	7.59E-04	5.69E-04	3.88E-02	1.51E-03	3.62E-08	1.01E-05	1.55E-05	1.54E-03	1.93E-03	3.58E-02	7.59E-04	5.69E-04	3.90E-02
606	490993.5	3860231.97	0.4422	1.17907	0.1245	0.18002	1.65E-03	3.52E-02	7.94E-04	5.68E-04	3.82E-02	1.50E-03	3.56E-08	1.06E-05	1.55E-05	1.53E-03	1.91E-03	3.52E-02	7.94E-04	5.68E-04	3.84E-02

607	491043.5	3860231.97	0.43221	1.15607	0.1295	0.17715	1.61E-03	3.45E-02	8.26E-04	5.59E-04	3.75E-02	1.47E-03	3.49E-08	1.10E-05	1.53E-05	1.49E-03	1.87E-03	3.45E-02	8.26E-04	5.59E-04	3.77E-02
608	491093.5	3860231.97	0.42703	1.12943	0.1343	0.17422	1.59E-03	3.37E-02	8.56E-04	5.50E-04	3.67E-02	1.45E-03	3.41E-08	1.14E-05	1.50E-05	1.48E-03	1.84E-03	3.37E-02	8.56E-04	5.50E-04	3.69E-02
609	490943.5	3860281.97	0.4353	1.20594	0.1111	0.17625	1.62E-03	3.60E-02	7.09E-04	5.56E-04	3.89E-02	1.48E-03	3.64E-08	9.45E-06	1.52E-05	1.50E-03	1.88E-03	3.60E-02	7.09E-04	5.56E-04	3.91E-02
610	490993.5	3860281.97	0.43817	1.17774	0.1143	0.17524	1.64E-03	3.51E-02	7.29E-04	5.53E-04	3.81E-02	1.49E-03	3.56E-08	9.72E-06	1.51E-05	1.51E-03	1.89E-03	3.51E-02	7.29E-04	5.53E-04	3.83E-02
611	491043.5	3860281.97	0.43149	1.14899	0.1174	0.17296	1.61E-03	3.43E-02	7.49E-04	5.46E-04	3.72E-02	1.46E-03	3.47E-08	9.98E-06	1.49E-05	1.49E-03	1.86E-03	3.43E-02	7.49E-04	5.46E-04	3.74E-02
612	491093.5	3860281.97	0.42764	1.11863	0.1239	0.16983	1.60E-03	3.34E-02	7.90E-04	5.36E-04	3.63E-02	1.45E-03	3.38E-08	1.05E-05	1.46E-05	1.48E-03	1.85E-03	3.34E-02	7.90E-04	5.36E-04	3.65E-02
613	490943.5	3860331.97	0.43782	1.18753	0.1052	0.17071	1.63E-03	3.54E-02	6.71E-04	5.39E-04	3.83E-02	1.49E-03	3.59E-08	8.95E-06	1.47E-05	1.51E-03	1.89E-03	3.54E-02	6.71E-04	5.39E-04	3.85E-02
614	490993.5	3860331.97	0.43088	1.16353	0.107	0.16961	1.61E-03	3.47E-02	6.83E-04	5.36E-04	3.75E-02	1.46E-03	3.51E-08	9.10E-06	1.46E-05	1.49E-03	1.86E-03	3.47E-02	6.83E-04	5.36E-04	3.78E-02
615	491043.5	3860331.97	0.42959	1.13815	0.1096	0.16846	1.60E-03	3.40E-02	6.99E-04	5.32E-04	3.68E-02	1.46E-03	3.44E-08	9.32E-06	1.45E-05	1.48E-03	1.85E-03	3.40E-02	6.99E-04	5.32E-04	3.70E-02
616	491093.5	3860331.97	0.42309	1.10744	0.1118	0.16724	1.58E-03	3.30E-02	7.13E-04	5.28E-04	3.59E-02	1.44E-03	3.34E-08	9.50E-06	1.44E-05	1.46E-03	1.83E-03	3.30E-02	7.13E-04	5.28E-04	3.61E-02
617	490086.72	3859935.12	0.62181	1.76147	0.1092	0.25993	2.32E-03	5.26E-02	6.96E-04	8.21E-04	5.64E-02	2.11E-03	5.32E-08	9.28E-06	2.24E-05	2.14E-03	2.68E-03	5.26E-02	6.96E-04	8.21E-04	5.68E-02
618	490136.72	3859935.12	0.59797	1.73493	0.1146	0.25357	2.23E-03	5.18E-02	7.31E-04	8.01E-04	5.55E-02	2.03E-03	5.24E-08	9.75E-06	2.18E-05	2.06E-03	2.58E-03	5.18E-02	7.31E-04	8.01E-04	5.59E-02
619	490186.72	3859935.12	0.57672	1.70052	0.1251	0.24717	2.15E-03	5.07E-02	7.98E-04	7.80E-04	5.45E-02	1.96E-03	5.14E-08	1.06E-05	2.13E-05	1.99E-03	2.49E-03	5.07E-02	7.98E-04	7.80E-04	5.48E-02
620	490236.72	3859935.12	0.56563	1.66132	0.1327	0.241	2.11E-03	4.96E-02	8.47E-04	7.61E-04	5.33E-02	1.92E-03	5.02E-08	1.13E-05	2.08E-05	1.95E-03	2.44E-03	4.96E-02	8.47E-04	7.61E-04	5.36E-02
621	490286.72	3859935.12	0.55516	1.63284	0.1351	0.23729	2.07E-03	4.87E-02	8.61E-04	7.49E-04	5.24E-02	1.88E-03	4.93E-08	1.15E-05	2.04E-05	1.92E-03	2.40E-03	4.87E-02	8.61E-04	7.49E-04	5.27E-02
622	490336.72	3859935.12	0.55821	1.59978	0.1323	0.23317	2.08E-03	4.77E-02	8.44E-04	7.36E-04	5.14E-02	1.90E-03	4.83E-08	1.12E-05	2.01E-05	1.93E-03	2.41E-03	4.77E-02	8.44E-04	7.36E-04	5.17E-02
623	490386.72	3859935.12	0.5329	1.56516	0.1342	0.22852	1.99E-03	4.67E-02	8.56E-04	7.22E-04	5.03E-02	1.81E-03	4.73E-08	1.14E-05	1.97E-05	1.84E-03	2.30E-03	4.67E-02	8.56E-04	7.22E-04	5.06E-02
624	490436.72	3859935.12	0.51628	1.5302	0.1381	0.22503	1.93E-03	4.57E-02	8.81E-04	7.11E-04	4.92E-02	1.75E-03	4.62E-08	1.17E-05	1.94E-05	1.78E-03	2.23E-03	4.57E-02	8.81E-04	7.11E-04	4.95E-02
625	490486.72	3859935.12	0.51717	1.50221	0.1451	0.22123	1.93E-03	4.48E-02	9.25E-04	6.99E-04	4.84E-02	1.76E-03	4.54E-08	1.23E-05	1.91E-05	1.79E-03	2.23E-03	4.48E-02	9.25E-04	6.99E-04	4.87E-02
626	490536.72	3859935.12	0.50892	1.47166	0.1503	0.2178	1.90E-03	4.39E-02	9.58E-04	6.88E-04	4.74E-02	1.73E-03	4.44E-08	1.28E-05	1.88E-05	1.76E-03	2.20E-03	4.39E-02	9.58E-04	6.88E-04	4.77E-02
627	490586.72	3859935.12	0.5055	1.44498	0.1556	0.2144	1.89E-03	4.31E-02	9.92E-04	6.77E-04	4.67E-02	1.72E-03	4.36E-08	1.32E-05	1.85E-05	1.75E-03	2.18E-03	4.31E-02	9.92E-04	6.77E-04	4.70E-02
628	490636.72	3859935.12	0.50684	1.41955	0.1635	0.21057	1.89E-03	4.23E-02	1.04E-03	6.65E-04	4.59E-02	1.72E-03	4.29E-08	1.39E-05	1.81E-05	1.75E-03	2.19E-03	4.23E-02	1.04E-03	6.65E-04	4.62E-02
629	490686.72	3859935.12	0.49258	1.38569	0.1626	0.20716	1.84E-03	4.13E-02	1.04E-03	6.54E-04	4.49E-02	1.67E-03	4.18E-08	1.38E-05	1.78E-05	1.70E-03	2.13E-03	4.13E-02	1.04E-03	6.54E-04	4.52E-02
630	490736.72	3859935.12	0.48909	1.35608	0.1646	0.20361	1.83E-03	4.05E-02	1.05E-03	6.43E-04	4.40E-02	1.66E-03	4.10E-08	1.40E-05	1.75E-05	1.69E-03	2.11E-03	4.05E-02	1.05E-03	6.43E-04	4.43E-02
631	490086.72	3859985.12	0.63249	1.76317	0.1178	0.25787	2.36E-03	5.26E-02	7.51E-04	8.14E-04	5.65E-02	2.15E-03	5.32E-08	1.00E-05	2.22E-05	2.18E-03	2.73E-03	5.26E-02	7.51E-04	8.14E-04	5.69E-02
632	490136.72	3859985.12	0.61227	1.73256	0.105	0.25324	2.28E-03	5.17E-02	6.70E-04	8.00E-04	5.54E-02	2.08E-03	5.23E-08	8.93E-06	2.18E-05	2.11E-03	2.64E-03	5.17E-02	6.70E-04	8.00E-04	5.58E-02
633	490186.72	3859985.12	0.58704	1.70537	0.1115	0.24669	2.19E-03	5.09E-02	7.11E-04	7.79E-04	5.46E-02	1.99E-03	5.15E-08	9.48E-06	2.12E-05	2.02E-03	2.53E-03	5.09E-02	7.11E-04	7.79E-04	5.49E-02
634	490236.72	3859985.12	0.5689	1.6707	0.1204	0.24105	2.12E-03	4.98E-02	7.68E-04	7.61E-04	5.35E-02	1.93E-03	5.05E-08	1.02E-05	2.08E-05	1.96E-03	2.45E-03	4.98E-02	7.68E-04	7.61E-04	5.38E-02
635	490286.72	3859985.12	0.55661	1.64088	0.1277	0.2356	2.08E-03	4.90E-02	8.15E-04	7.44E-04	5.26E-02	1.89E-03	4.96E-08	1.09E-05	2.03E-05	1.92E-03	2.40E-03	4.90E-02	8.15E-04	7.44E-04	5.29E-02
636	490336.72	3859985.12	0.54599	1.60335	0.1293	0.23024	2.04E-03	4.78E-02	8.24E-04	7.27E-04	5.14E-02	1.85E-03	4.84E-08	1.10E-05	1.98E-05	1.88E-03	2.36E-03	4.78E-02	8.24E-04	7.27E-04	5.17E-02
637	490386.72	3859985.12	0.54635	1.56428	0.1272	0.22697	2.04E-03	4.67E-02	8.11E-04	7.17E-04	5.02E-02	1.85E-03	4.72E-08	1.08E-05	1.95E-05	1.89E-03	2.36E-03	4.67E-02	8.11E-04	7.17E-04	5.06E-02
638	490436.72	3859985.12	0.52391	1.52497	0.1278	0.22326	1.95E-03	4.55E-02	8.15E-04	7.05E-04	4.90E-02	1.78E-03	4.61E-08	1.09E-05	1.92E-05	1.81E-03	2.26E-03	4.55E-02	8.15E-04	7.05E-04	4.93E-02
639	490486.72	3859985.12	0.50678	1.49003	0.1314	0.22175	1.89E-03	4.45E-02	8.38E-04	7.00E-04	4.79E-02	1.72E-03	4.50E-08	1.12E-05	1.91E-05	1.75E-03	2.19E-03	4.45E-02	8.38E-04	7.00E-04	4.82E-02
640	490536.72	3859985.12	0.51053	1.45864	0.1374	0.22002	1.91E-03	4.35E-02	8.77E-04	6.95E-04	4.70E-02	1.73E-03	4.40E-08	1.17E-05	1.89E-05	1.76E-03	2.20E-03	4.35E-02	8.77E-04	6.95E-04	4.73E-02
641	490586.72	3859985.12	0.4951	1.42751	0.1427	0.2174	1.85E-03	4.26E-02	9.10E-04	6.86E-04	4.60E-02	1.68E-03	4.31E-08	1.21E-05	1.87E-05	1.71E-03	2.14E-03	4.26E-02	9.10E-04	6.86E-04	4.63E-02
642	490636.72	3859985.12	0.49804	1.39078	0.1478	0.21293	1.86E-03	4.15E-02	9.43E-04	6.72E-04	4.50E-02	1.69E-03	4.20E-08	1.26E-05	1.83E-05	1.72E-03	2.15E-03	4.15E-02	9.43E-04	6.72E-04	4.53E-02
643	490686.72	3859985.12	0.49933	1.35712	0.1525	0.21043	1.86E-03	4.05E-02	9.73E-04	6.64E-04	4.40E-02	1.70E-03	4.10E-08	1.30E-05	1.81E-05	1.73E-03	2.15E-03	4.05E-02	9.73E-04	6.64E-04	4.43E-02
644	490736.72	3859985.12	0.48424	1.33289	0.159	0.20822	1.81E-03	3.98E-02	1.01E-03	6.57E-04	4.32E-02	1.64E-03	4.03E-08	1.35E-05	1.79E-05	1.68E-03	2.09E-03	3.98E-02	1.01E-03	6.57E-04	4.35E-02
645	490786.72	3859985.12	0.47814	1.31352	0.1559	0.20504	1.78E-03	3.92E-02	9.94E-04	6.47E-04	4.26E-02	1.62E-03	3.97E-08	1.33E-05	1.77E-05	1.65E-03	2.06E-03	3.92E-02	9.94E-04	6.47E-04	4.29E-02
646	490086.72	3860035.12	0.62106	1.77713	0.1181	0.26108	2.32E-03	5.30E-02	7.53E-04	8.24E-04	5.69E-02	2.11E-03	5.37E-08	1.00E-05	2.25E-05	2.14E-03	2.68E-03	5.30E-02	7.53E-04	8.24E-04	5.73E-02
647	490136.72	3860035.12	0.62185	1.74767	0.1157	0.25507	2.32E-03	5.21E-02	7.38E-04	8.05E-04	5.60E-02	2.11E-03	5.28E-08	9.84E-06	2.20E-05	2.14E-03	2.68E-03	5.21E-02	7.38E-04	8.05E-04	5.64E-02
648	490186.72	3860035.12	0.60312	1.7054	0.1013	0.25003	2.25E-03	5.09E-02	6.46E-04	7.89E-04	5.46E-02	2.05E-03	5.15E-08	8.61E-06	2.15E-05	2.08E-03	2.60E-03	5.09E-02	6.46E-04	7.89E-04	5.49E-02
649	490236.72	3860035.12	0.57792	1.66036	0.1089	0.24322	2.16E-03	4.95E-02	6.95E-04	7.68E-04	5.32E-02	1.96E-03	5.01E-08	9.26E-06	2.09E-05	1.99E-03	2.49E-03	4.95E-02	6.95E-04	7.68E-04	5.35E-02
650	490286.72	3860035.12	0.55961	1.61657	0.1152	0.23751	2.09E-03	4.82E-02	7.35E-04	7.50E-04	5.18E-02	1.90E-03	4.88E-08	9.79E-06	2.05E-05	1.93E-03	2.41E-03	4.82E-02	7.35E-04	7.50E-04	5.21E-02
651	490336.72	3860035.12	0.546	1.58473	0.1229	0.23177	2.04E-03	4.73E-02	7.84E-04	7.32E-04	5.08E-02	1.85E-03	4.79E-08	1.05E-05	2.00E-05	1.88E-03	2.36E-03	4.73E-02	7.84E-04	7.32E-04	5.11E-02
652	490386.72	3860035.12	0.53639	1.55474	0.124	0.22792	2.00E-03	4.64E-02	7.91E-04	7.20E-04	4.99E-02	1.82E-03	4.70E-08	1.05E-05	1.96E-05	1.85E-03	2.31E-03	4.64E-02	7.91E-04	7.20E-04	5.02E-02
653	490436.72	3860035.12	0.53195	1.52049	0.1231	0.22217	1.98E-03	4.54E-02	7.85E-04	7.01E-04	4.88E-02	1.81E-03	4.59E-08	1.05E-05	1.91E-05	1.84E-03	2.30E-03	4.54E-02	7.85E-04	7.01E-04	4.91E-02
654	490486.72	3860035.12	0.51728	1.48755	0.1215	0.21763	1.93E-03	4.44E-02	7.75E-04	6.87E-04	4.78E-02	1.76E-03	4.49E-08	1.03E-05	1.87E-05	1.79E-03	2.23E-03	4.44E-02	7.75E-04	6.87E-04	4.81E-02
655	490536.72	3860035.12	0.5005	1.45962	0.1252	0.21484	1.87E-03	4.35E-02	7.98E-04	6.78E-04	4.69E-02	1.70E-03	4.41E-08	1.06E-05	1.85E-05	1.73E-03	2.16E-03	4.35E-02	7.98E-04	6.78E-04	4.72E-02
656	490586.72	3860035.12	0.49899	1.42603	0.1306	0.21226	1.86E-03	4.25E-02	8.33E-04	6.70E-04	4.59E-02	1.69E-03	4.31E-08	1.11E-05	1.83E-05	1.72E-03	2.15E-03	4.25E-02	8.33E-04	6.70E-04	4.62E-02
657	490636.72	3860035.12	0.48351	1.39128	0.1355	0.20996	1.80E-03	4.15E-02	8.64E-04	6.63E-04	4.48E-02	1.64E-03	4.20E-08	1.15E-05	1.81E-05	1.67E-03	2.09E-03	4.15E-02	8.64E-04	6.63E-04	4.51E-02
658	490686.72	3860035.12	0.48724	1.36077	0.1397	0.20802	1.82E-03	4.06E-02	8.91E-04	6.57E-04	4.40E-02	1.65E-03	4.11E-08	1.19E-05	1.79E-05	1.68E-03	2.10E-03	4.06E-02	8.91E-04	6.57E-04	4.42E-02
659	490736.72	3860035.12	0.48468	1.32845	0.1453	0.20592	1.81E-03	3.96E-02	9.27E-04	6.50E-04	4.30E-02	1.65E-03	4.01E-08	1.24E-05	1.77E-05	1.68E-03	2.09E-03	3.96E-02	9.27E-04	6.50E-04	4.33E-02
660	490786.72	3860035.12	0.47737	1.30478	0.1526	0.20369	1.78E-03	3.89E-02	9.73E-04	6.43E-04	4.23E-02	1.62E-03	3.94E-08	1.30E-05	1.75E-05	1.65E-03	2.06E-03	3.89E-02	9.73E-04	6.43E-04	4.26E-02
661	490836.72	3860035.12	0.46965	1.28112	0.1506	0.20145	1.75E-03	3.82E-02	9.61E-04	6.36E-04	4.16E-02	1.59E-03	3.87E-08	1.28E-05	1.73E-05	1.62E-03	2.03E-03	3.82E-02	9.61E-04	6.36E-04	4.18E-02
662	490086.72	3860085.12	0.60355	1.76627	0.098	0.25235	2.25E-03	5.27E-02	6.25E-04	7.97E-04	5.64E-02	2.05E-03	5.33E-08	8.34E-06	2.17E-05	2.08E-03	2.60E-03	5.27E-02	6.25E-04	7.97E-04	5.67E-02
663	490136.72	3860085.12	0.60916	1.73907	0.1151	0.24274	2.27E-03	5.19E-02	7.34E-04	7.66E-04	5.57E-02	2.07E-03	5.25E-08	9.79E-06	2.09E-05	2.10E-03	2.63E-03	5.19E-02	7.34E-04	7.66E-04	5.60E-02
664	490186.72	3860085.12	0.61252	1.69904	0.1142	0.23474	2.29E-03	5.07E-02	7.28E-04	7.41E-04	5.44E-02	2.08E-03	5.13E-08	9.71E-06	2.02E-05	2.11E-03	2.64E-03	5.07E-02	7.28E-04	7.41E-04	5.48E-02
665	490236.72	3860085.12	0.5947	1.6604	0.0985	0.23303	2.22E-03	4.95E-02	6.28E-04	7.36E-04	5.31E-02	2.02E-03	5.01E-08	8.37E-06	2.01E-05	2.05E-03	2.57E-03	4.95E-02	6.28E-04	7.36E-04	5.35E-02
666	490286.72	3860085.12	0.57031	1.6219	0.1061	0.23085	2.13E-03	4.84E-02	6.77E-04	7.29E-04	5.19E-02	1.94E-03	4.90E-08	9.02E-06	1.99E-05	1.97E-03	2.46E-03	4.84E-02	6.77E-04	7.29E-04	5.23E-02
667	490336.72	3860085.12	0.55108	1.5819	0.1106	0.22855	2.06E-03	4.72E-02	7.05E-04	7.22E-04	5.07E-02	1.87E-03	4.78E-08	9.41E-06	1.97E-05	1.90E-03	2.38E-03	4.72E-02	7.05E-04	7.22E-04	5.10E-02

668	490386.72	3860085.12	0.53527	1.5516	0.1182	0.22461	2.00E-03	4.63E-02	7.54E-04	7.09E-04	4.98E-02	1.82E-03	4.69E-08	1.01E-05	1.93E-05	1.85E-03	2.31E-03	4.63E-02	7.54E-04	7.09E-04	5.01E-02
669	490436.72	3860085.12	0.52823	1.52324	0.1192	0.22145	1.97E-03	4.54E-02	7.60E-04	6.99E-04	4.89E-02	1.79E-03	4.60E-08	1.01E-05	1.91E-05	1.82E-03	2.28E-03	4.54E-02	7.60E-04	6.99E-04	4.92E-02
670	490486.72	3860085.12	0.51981	1.48951	0.1184	0.21704	1.94E-03	4.44E-02	7.55E-04	6.85E-04	4.78E-02	1.76E-03	4.50E-08	1.01E-05	1.87E-05	1.79E-03	2.24E-03	4.44E-02	7.55E-04	6.85E-04	4.81E-02
671	490536.72	3860085.12	0.51216	1.44689	0.1157	0.21224	1.91E-03	4.32E-02	7.38E-04	6.70E-04	4.65E-02	1.74E-03	4.37E-08	9.84E-06	1.83E-05	1.77E-03	2.21E-03	4.32E-02	7.38E-04	6.70E-04	4.68E-02
672	490586.72	3860085.12	0.4953	1.41112	0.1194	0.20977	1.85E-03	4.21E-02	7.61E-04	6.62E-04	4.54E-02	1.68E-03	4.26E-08	1.02E-05	1.81E-05	1.71E-03	2.14E-03	4.21E-02	7.61E-04	6.62E-04	4.57E-02
673	490636.72	3860085.12	0.48566	1.37781	0.1251	0.20728	1.81E-03	4.11E-02	7.98E-04	6.54E-04	4.44E-02	1.65E-03	4.16E-08	1.06E-05	1.78E-05	1.68E-03	2.10E-03	4.11E-02	7.98E-04	6.54E-04	4.47E-02
674	490686.72	3860085.12	0.47839	1.35035	0.1288	0.20412	1.79E-03	4.03E-02	8.21E-04	6.44E-04	4.35E-02	1.62E-03	4.08E-08	1.09E-05	1.76E-05	1.65E-03	2.06E-03	4.03E-02	8.21E-04	6.44E-04	4.38E-02
675	490736.72	3860085.12	0.47861	1.32917	0.1331	0.20122	1.79E-03	3.97E-02	8.49E-04	6.35E-04	4.29E-02	1.62E-03	4.01E-08	1.13E-05	1.73E-05	1.65E-03	2.07E-03	3.97E-02	8.49E-04	6.35E-04	4.32E-02
676	490786.72	3860085.12	0.47301	1.30567	0.1375	0.19858	1.77E-03	3.90E-02	8.77E-04	6.27E-04	4.22E-02	1.61E-03	3.94E-08	1.17E-05	1.71E-05	1.63E-03	2.04E-03	3.90E-02	8.77E-04	6.27E-04	4.25E-02
677	490836.72	3860085.12	0.47185	1.27997	0.1444	0.19589	1.76E-03	3.82E-02	9.21E-04	6.18E-04	4.15E-02	1.60E-03	3.87E-08	1.23E-05	1.69E-05	1.63E-03	2.04E-03	3.82E-02	9.21E-04	6.18E-04	4.18E-02
678	490086.72	3860135.12	0.59655	1.79767	0.0803	0.24444	2.23E-03	5.36E-02	5.12E-04	7.72E-04	5.71E-02	2.03E-03	5.43E-08	6.83E-06	2.10E-05	2.05E-03	2.57E-03	5.36E-02	5.12E-04	7.72E-04	5.75E-02
679	490136.72	3860135.12	0.58859	1.74886	0.0955	0.23966	2.20E-03	5.22E-02	6.09E-04	7.57E-04	5.57E-02	2.00E-03	5.28E-08	8.12E-06	2.06E-05	2.03E-03	2.54E-03	5.22E-02	6.09E-04	7.57E-04	5.61E-02
680	490186.72	3860135.12	0.59839	1.70315	0.1126	0.23552	2.23E-03	5.08E-02	7.18E-04	7.44E-04	5.45E-02	2.03E-03	5.14E-08	9.58E-06	2.03E-05	2.06E-03	2.58E-03	5.08E-02	7.18E-04	7.44E-04	5.49E-02
681	490236.72	3860135.12	0.60126	1.66142	0.112	0.23122	2.24E-03	4.96E-02	7.15E-04	7.30E-04	5.33E-02	2.04E-03	5.02E-08	9.53E-06	1.99E-05	2.07E-03	2.59E-03	4.96E-02	7.15E-04	7.30E-04	5.36E-02
682	490286.72	3860135.12	0.58417	1.63081	0.0958	0.22677	2.18E-03	4.87E-02	6.11E-04	7.16E-04	5.22E-02	1.98E-03	4.92E-08	8.15E-06	1.95E-05	2.01E-03	2.52E-03	4.87E-02	6.11E-04	7.16E-04	5.25E-02
683	490336.72	3860135.12	0.56187	1.59838	0.1025	0.22289	2.10E-03	4.77E-02	6.54E-04	7.04E-04	5.11E-02	1.91E-03	4.83E-08	8.72E-06	1.92E-05	1.94E-03	2.42E-03	4.77E-02	6.54E-04	7.04E-04	5.15E-02
684	490386.72	3860135.12	0.54066	1.55849	0.1062	0.21908	2.02E-03	4.65E-02	6.77E-04	6.92E-04	4.99E-02	1.84E-03	4.71E-08	9.03E-06	1.89E-05	1.86E-03	2.33E-03	4.65E-02	6.77E-04	6.92E-04	5.02E-02
685	490436.72	3860135.12	0.5256	1.51996	0.1139	0.21624	1.96E-03	4.53E-02	7.27E-04	6.83E-04	4.87E-02	1.78E-03	4.59E-08	9.69E-06	1.86E-05	1.81E-03	2.27E-03	4.53E-02	7.27E-04	6.83E-04	4.90E-02
686	490486.72	3860135.12	0.51832	1.48465	0.1147	0.2153	1.93E-03	4.43E-02	7.32E-04	6.80E-04	4.76E-02	1.76E-03	4.48E-08	9.75E-06	1.85E-05	1.79E-03	2.24E-03	4.43E-02	7.32E-04	6.80E-04	4.79E-02
687	490536.72	3860135.12	0.50974	1.45016	0.1141	0.2148	1.90E-03	4.33E-02	7.27E-04	6.78E-04	4.66E-02	1.73E-03	4.38E-08	9.70E-06	1.85E-05	1.76E-03	2.20E-03	4.33E-02	7.27E-04	6.78E-04	4.69E-02
688	490586.72	3860135.12	0.50976	1.41534	0.1124	0.21105	1.90E-03	4.22E-02	7.17E-04	6.66E-04	4.55E-02	1.73E-03	4.27E-08	9.56E-06	1.82E-05	1.76E-03	2.20E-03	4.22E-02	7.17E-04	6.66E-04	4.58E-02
689	490636.72	3860135.12	0.48749	1.3777	0.1139	0.20671	1.82E-03	4.11E-02	7.27E-04	6.53E-04	4.43E-02	1.66E-03	4.16E-08	9.69E-06	1.78E-05	1.68E-03	2.10E-03	4.11E-02	7.27E-04	6.53E-04	4.46E-02
690	490686.72	3860135.12	0.47448	1.34273	0.1193	0.20339	1.77E-03	4.01E-02	7.61E-04	6.42E-04	4.32E-02	1.61E-03	4.05E-08	1.01E-05	1.75E-05	1.64E-03	2.05E-03	4.01E-02	7.61E-04	6.42E-04	4.35E-02
691	490736.72	3860135.12	0.47517	1.31563	0.1226	0.2007	1.77E-03	3.92E-02	7.82E-04	6.34E-04	4.24E-02	1.61E-03	3.97E-08	1.04E-05	1.73E-05	1.64E-03	2.05E-03	3.92E-02	7.82E-04	6.34E-04	4.27E-02
692	490786.72	3860135.12	0.46718	1.29221	0.1269	0.19835	1.74E-03	3.86E-02	8.09E-04	6.26E-04	4.17E-02	1.59E-03	3.90E-08	1.08E-05	1.71E-05	1.61E-03	2.02E-03	3.86E-02	8.09E-04	6.26E-04	4.20E-02
693	490836.72	3860135.12	0.46295	1.26641	0.1304	0.1948	1.73E-03	3.78E-02	8.32E-04	6.15E-04	4.10E-02	1.57E-03	3.82E-08	1.11E-05	1.68E-05	1.60E-03	2.00E-03	3.78E-02	8.32E-04	6.15E-04	4.12E-02
694	490086.72	3860185.12	0.5909	1.79394	0.0684	0.23578	2.20E-03	5.35E-02	4.36E-04	7.44E-04	5.69E-02	2.01E-03	5.42E-08	5.81E-06	2.03E-05	2.03E-03	2.55E-03	5.35E-02	4.36E-04	7.44E-04	5.72E-02
695	490136.72	3860185.12	0.58641	1.75289	0.0788	0.23084	2.19E-03	5.23E-02	5.03E-04	7.29E-04	5.57E-02	1.99E-03	5.29E-08	6.70E-06	1.99E-05	2.02E-03	2.53E-03	5.23E-02	5.03E-04	7.29E-04	5.61E-02
696	490186.72	3860185.12	0.57875	1.7129	0.0937	0.22819	2.16E-03	5.11E-02	5.98E-04	7.20E-04	5.46E-02	1.96E-03	5.17E-08	7.97E-06	1.96E-05	1.99E-03	2.50E-03	5.11E-02	5.98E-04	7.20E-04	5.49E-02
697	490236.72	3860185.12	0.58547	1.67832	0.1104	0.22523	2.18E-03	5.01E-02	7.04E-04	7.11E-04	5.37E-02	1.99E-03	5.07E-08	9.39E-06	1.94E-05	2.02E-03	2.53E-03	5.01E-02	7.04E-04	7.11E-04	5.40E-02
698	490286.72	3860185.12	0.5908	1.64104	0.1102	0.22193	2.20E-03	4.90E-02	7.03E-04	7.01E-04	5.26E-02	2.01E-03	4.96E-08	9.37E-06	1.91E-05	2.03E-03	2.55E-03	4.90E-02	7.03E-04	7.01E-04	5.29E-02
699	490336.72	3860185.12	0.57349	1.60364	0.093	0.21997	2.14E-03	4.78E-02	5.93E-04	6.95E-04	5.13E-02	1.95E-03	4.84E-08	7.91E-06	1.89E-05	1.97E-03	2.47E-03	4.78E-02	5.93E-04	6.95E-04	5.16E-02
700	490386.72	3860185.12	0.553	1.56192	0.099	0.21797	2.06E-03	4.66E-02	6.32E-04	6.88E-04	5.00E-02	1.88E-03	4.72E-08	8.42E-06	1.88E-05	1.90E-03	2.39E-03	4.66E-02	6.32E-04	6.88E-04	5.03E-02
701	490436.72	3860185.12	0.53203	1.52041	0.1019	0.2157	1.99E-03	4.54E-02	6.50E-04	6.81E-04	4.87E-02	1.81E-03	4.59E-08	8.67E-06	1.86E-05	1.83E-03	2.30E-03	4.54E-02	6.50E-04	6.81E-04	4.90E-02
702	490486.72	3860185.12	0.5177	1.4777	0.1103	0.21188	1.93E-03	4.41E-02	7.03E-04	6.69E-04	4.74E-02	1.76E-03	4.46E-08	9.38E-06	1.82E-05	1.79E-03	2.23E-03	4.41E-02	7.03E-04	6.69E-04	4.77E-02
703	490536.72	3860185.12	0.50922	1.43585	0.1105	0.20713	1.90E-03	4.28E-02	7.05E-04	6.54E-04	4.61E-02	1.73E-03	4.34E-08	9.40E-06	1.78E-05	1.76E-03	2.20E-03	4.28E-02	7.05E-04	6.54E-04	4.64E-02
704	490586.72	3860185.12	0.50157	1.39762	0.11	0.20565	1.87E-03	4.17E-02	7.01E-04	6.49E-04	4.49E-02	1.70E-03	4.22E-08	9.35E-06	1.77E-05	1.73E-03	2.16E-03	4.17E-02	7.01E-04	6.49E-04	4.52E-02
705	490636.72	3860185.12	0.50397	1.36526	0.1088	0.20127	1.88E-03	4.07E-02	6.94E-04	6.35E-04	4.39E-02	1.71E-03	4.12E-08	9.25E-06	1.73E-05	1.74E-03	2.17E-03	4.07E-02	6.94E-04	6.35E-04	4.42E-02
706	490686.72	3860185.12	0.47994	1.337	0.1092	0.19719	1.79E-03	3.99E-02	6.97E-04	6.23E-04	4.30E-02	1.63E-03	4.04E-08	9.29E-06	1.70E-05	1.66E-03	2.07E-03	3.99E-02	6.97E-04	6.23E-04	4.33E-02
707	490736.72	3860185.12	0.46558	1.30633	0.1138	0.19209	1.74E-03	3.90E-02	7.26E-04	6.06E-04	4.20E-02	1.58E-03	3.94E-08	9.68E-06	1.65E-05	1.61E-03	2.01E-03	3.90E-02	7.26E-04	6.06E-04	4.23E-02
708	490786.72	3860185.12	0.46853	1.27608	0.1169	0.19161	1.75E-03	3.81E-02	7.45E-04	6.05E-04	4.12E-02	1.59E-03	3.85E-08	9.94E-06	1.65E-05	1.62E-03	2.02E-03	3.81E-02	7.45E-04	6.05E-04	4.14E-02
709	490836.72	3860185.12	0.45247	1.25018	0.1208	0.19041	1.69E-03	3.73E-02	7.71E-04	6.01E-04	4.04E-02	1.54E-03	3.78E-08	1.03E-05	1.64E-05	1.56E-03	1.95E-03	3.73E-02	7.71E-04	6.01E-04	4.06E-02
710	490086.72	3860235.12	0.58818	1.79473	0.0612	0.21879	2.19E-03	5.35E-02	3.91E-04	6.91E-04	5.68E-02	2.00E-03	5.42E-08	5.21E-06	1.88E-05	2.02E-03	2.54E-03	5.35E-02	3.91E-04	6.91E-04	5.72E-02
711	490136.72	3860235.12	0.58059	1.75451	0.0665	0.21539	2.17E-03	5.23E-02	4.24E-04	6.80E-04	5.56E-02	1.97E-03	5.30E-08	5.66E-06	1.85E-05	2.00E-03	2.51E-03	5.23E-02	4.24E-04	6.80E-04	5.60E-02
712	490186.72	3860235.12	0.57622	1.71292	0.0774	0.21472	2.15E-03	5.11E-02	4.94E-04	6.78E-04	5.44E-02	1.96E-03	5.17E-08	6.59E-06	1.85E-05	1.98E-03	2.49E-03	5.11E-02	4.94E-04	6.78E-04	5.48E-02
713	490236.72	3860235.12	0.56777	1.67407	0.092	0.21235	2.12E-03	4.99E-02	5.87E-04	6.70E-04	5.33E-02	1.93E-03	5.06E-08	7.83E-06	1.83E-05	1.95E-03	2.45E-03	4.99E-02	5.87E-04	6.70E-04	5.37E-02
714	490286.72	3860235.12	0.57167	1.63023	0.1085	0.21122	2.13E-03	4.86E-02	6.92E-04	6.67E-04	5.21E-02	1.94E-03	4.92E-08	9.23E-06	1.82E-05	1.97E-03	2.47E-03	4.86E-02	6.92E-04	6.67E-04	5.25E-02
715	490336.72	3860235.12	0.57976	1.58745	0.1076	0.2112	2.16E-03	4.74E-02	6.86E-04	6.67E-04	5.09E-02	1.97E-03	4.79E-08	9.15E-06	1.82E-05	2.00E-03	2.50E-03	4.74E-02	6.86E-04	6.67E-04	5.12E-02
716	490386.72	3860235.12	0.56458	1.54472	0.0904	0.21071	2.11E-03	4.61E-02	5.77E-04	6.65E-04	4.94E-02	1.92E-03	4.66E-08	7.69E-06	1.81E-05	1.94E-03	2.44E-03	4.61E-02	5.77E-04	6.65E-04	4.98E-02
717	490436.72	3860235.12	0.54513	1.5049	0.0959	0.20857	2.03E-03	4.49E-02	6.12E-04	6.59E-04	4.82E-02	1.85E-03	4.54E-08	8.16E-06	1.80E-05	1.88E-03	2.35E-03	4.49E-02	6.12E-04	6.59E-04	4.85E-02
718	490486.72	3860235.12	0.52449	1.46581	0.098	0.20304	1.96E-03	4.37E-02	6.25E-04	6.41E-04	4.70E-02	1.78E-03	4.43E-08	8.34E-06	1.75E-05	1.81E-03	2.26E-03	4.37E-02	6.25E-04	6.41E-04	4.73E-02
719	490536.72	3860235.12	0.51032	1.4273	0.1066	0.19961	1.90E-03	4.26E-02	6.80E-04	6.30E-04	4.58E-02	1.73E-03	4.31E-08	9.07E-06	1.72E-05	1.76E-03	2.20E-03	4.26E-02	6.80E-04	6.30E-04	4.61E-02
720	490586.72	3860235.12	0.50218	1.3957	0.1066	0.19834	1.87E-03	4.16E-02	6.80E-04	6.26E-04	4.48E-02	1.70E-03	4.21E-08	9.07E-06	1.71E-05	1.73E-03	2.17E-03	4.16E-02	6.80E-04	6.26E-04	4.51E-02
721	490636.72	3860235.12	0.49167	1.36169	0.1064	0.19644	1.83E-03	4.06E-02	6.78E-04	6.20E-04	4.38E-02	1.67E-03	4.11E-08	9.05E-06	1.69E-05	1.70E-03	2.12E-03	4.06E-02	6.78E-04	6.20E-04	4.40E-02
722	490686.72	3860235.12	0.49244	1.32696	0.1044	0.1938	1.84E-03	3.96E-02	6.66E-04	6.12E-04	4.27E-02	1.67E-03	4.01E-08	8.88E-06	1.67E-05	1.70E-03	2.12E-03	3.96E-02	6.66E-04	6.12E-04	4.30E-02
723	490736.72	3860235.12	0.4743	1.3015	0.1054	0.19064	1.77E-03	3.88E-02	6.72E-04	6.02E-04	4.19E-02	1.61E-03	3.93E-08	8.96E-06	1.64E-05	1.64E-03	2.05E-03	3.88E-02	6.72E-04	6.02E-04	4.21E-02
724	490786.72	3860235.12	0.45889	1.27715	0.1093	0.18807	1.71E-03	3.81E-02	6.97E-04	5.94E-04	4.11E-02	1.56E-03	3.86E-08	9.29E-06	1.62E-05	1.58E-03	1.98E-03	3.81E-02	6.97E-04	5.94E-04	4.14E-02
725	490086.72	3860285.12	0.5635	1.80102	0.0563	0.21507	2.10E-03	5.37E-02	3.59E-04	6.79E-04	5.69E-02	1.91E-03	5.44E-08	4.79E-06	1.85E-05	1.94E-03	2.43E-03	5.37E-02	3.59E-04	6.79E-04	5.72E-02
726	490136.72	3860285.12	0.57766	1.77067	0.0596	0.21235	2.16E-03	5.28E-02	3.80E-04	6.70E-04	5.60E-02	1.96E-03	5.35E-08	5.07E-06	1.83E-05	1.98E-03	2.49E-03	5.28E-02	3.80E-04	6.70E-04	5.64E-02
727	490186.72	3860285.12	0.56986	1.7271	0.0658	0.21017	2.13E-03	5.15E-02	4.20E-04	6.64E-04	5.47E-02	1.93E-03	5.22E-08	5.60E-06	1.81E-05	1.96E-03	2.46E-03	5.15E-02	4.20E-04	6.64E-04	5.51E-02
728	490236.72	3860285.12	0.56616	1.68122	0.0764	0.20731	2.11E-03	5.02E-02	4.87E-04	6.55E-04	5.34E-02	1.92E-03	5.08E-08	6.49E-06	1.79E-05	1.95E-03	2.44E-03	5.02E-02	4.87E-04	6.55E-04	5.37E-02

729	490286.72	3860285.12	0.55622	1.63933	0.0905	0.20228	2.08E-03	4.89E-02	5.78E-04	6.39E-04	5.22E-02	1.89E-03	4.95E-08	7.70E-06	1.74E-05	1.91E-03	2.40E-03	4.89E-02	5.78E-04	6.39E-04	5.25E-02
730	490336.72	3860285.12	0.55818	1.60211	0.1067	0.19893	2.08E-03	4.78E-02	6.81E-04	6.28E-04	5.12E-02	1.90E-03	4.84E-08	9.08E-06	1.71E-05	1.92E-03	2.41E-03	4.78E-02	6.81E-04	6.28E-04	5.15E-02
731	490386.72	3860285.12	0.56849	1.5659	0.1052	0.19678	2.12E-03	4.67E-02	6.71E-04	6.21E-04	5.01E-02	1.93E-03	4.73E-08	8.95E-06	1.69E-05	1.96E-03	2.45E-03	4.67E-02	6.71E-04	6.21E-04	5.05E-02
732	490436.72	3860285.12	0.5566	1.52838	0.0896	0.19254	2.08E-03	4.56E-02	5.71E-04	6.08E-04	4.89E-02	1.89E-03	4.62E-08	7.62E-06	1.66E-05	1.91E-03	2.40E-03	4.56E-02	5.71E-04	6.08E-04	4.92E-02
733	490486.72	3860285.12	0.5372	1.49144	0.0929	0.1914	2.00E-03	4.45E-02	5.93E-04	6.04E-04	4.77E-02	1.82E-03	4.50E-08	7.90E-06	1.65E-05	1.85E-03	2.32E-03	4.45E-02	5.93E-04	6.04E-04	4.80E-02
734	490536.72	3860285.12	0.51785	1.4546	0.0944	0.19003	1.93E-03	4.34E-02	6.02E-04	6.00E-04	4.65E-02	1.76E-03	4.39E-08	8.03E-06	1.64E-05	1.78E-03	2.23E-03	4.34E-02	6.02E-04	6.00E-04	4.68E-02
735	490586.72	3860285.12	0.50269	1.4197	0.1023	0.18862	1.88E-03	4.24E-02	6.53E-04	5.96E-04	4.55E-02	1.71E-03	4.29E-08	8.70E-06	1.62E-05	1.73E-03	2.17E-03	4.24E-02	6.53E-04	5.96E-04	4.58E-02
736	490636.72	3860285.12	0.49339	1.38371	0.1029	0.18867	1.84E-03	4.13E-02	6.56E-04	5.96E-04	4.44E-02	1.68E-03	4.18E-08	8.75E-06	1.62E-05	1.70E-03	2.13E-03	4.13E-02	6.56E-04	5.96E-04	4.47E-02
737	490686.72	3860285.12	0.48301	1.34584	0.1031	0.18652	1.80E-03	4.02E-02	6.57E-04	5.89E-04	4.32E-02	1.64E-03	4.06E-08	8.76E-06	1.61E-05	1.66E-03	2.08E-03	4.02E-02	6.57E-04	5.89E-04	4.35E-02
738	490736.72	3860285.12	0.47972	1.31164	0.1002	0.18321	1.79E-03	3.91E-02	6.39E-04	5.78E-04	4.21E-02	1.63E-03	3.96E-08	8.52E-06	1.58E-05	1.65E-03	2.07E-03	3.91E-02	6.39E-04	5.78E-04	4.24E-02
739	490786.72	3860285.12	0.46803	1.28232	0.1018	0.18091	1.75E-03	3.83E-02	6.49E-04	5.71E-04	4.12E-02	1.59E-03	3.87E-08	8.66E-06	1.56E-05	1.61E-03	2.02E-03	3.83E-02	6.49E-04	5.71E-04	4.15E-02
740	490086.72	3860335.12	0.54413	1.79736	0.0556	0.20985	2.03E-03	5.36E-02	3.54E-04	6.63E-04	5.67E-02	1.85E-03	5.43E-08	4.72E-06	1.81E-05	1.87E-03	2.35E-03	5.36E-02	3.54E-04	6.63E-04	5.70E-02
741	490136.72	3860335.12	0.55337	1.76146	0.0551	0.20583	2.06E-03	5.26E-02	3.52E-04	6.50E-04	5.56E-02	1.88E-03	5.32E-08	4.69E-06	1.77E-05	1.90E-03	2.39E-03	5.26E-02	3.52E-04	6.50E-04	5.59E-02
742	490186.72	3860335.12	0.56661	1.72538	0.0579	0.20243	2.11E-03	5.15E-02	3.70E-04	6.39E-04	5.46E-02	1.92E-03	5.21E-08	4.93E-06	1.74E-05	1.95E-03	2.44E-03	5.15E-02	3.70E-04	6.39E-04	5.49E-02
743	490236.72	3860335.12	0.55983	1.68631	0.0652	0.20012	2.09E-03	5.03E-02	4.16E-04	6.32E-04	5.34E-02	1.90E-03	5.09E-08	5.55E-06	1.72E-05	1.92E-03	2.42E-03	5.03E-02	4.16E-04	6.32E-04	5.38E-02
744	490286.72	3860335.12	0.556	1.64216	0.0754	0.1964	2.07E-03	4.90E-02	4.81E-04	6.20E-04	5.22E-02	1.89E-03	4.96E-08	6.41E-06	1.69E-05	1.91E-03	2.40E-03	4.90E-02	4.81E-04	6.20E-04	5.25E-02
745	490336.72	3860335.12	0.54616	1.59879	0.0892	0.19371	2.04E-03	4.77E-02	5.69E-04	6.12E-04	5.09E-02	1.85E-03	4.83E-08	7.58E-06	1.67E-05	1.88E-03	2.36E-03	4.77E-02	5.69E-04	6.12E-04	5.12E-02
746	490386.72	3860335.12	0.54538	1.55774	0.1033	0.1905	2.04E-03	4.65E-02	6.59E-04	6.01E-04	4.98E-02	1.85E-03	4.70E-08	8.78E-06	1.64E-05	1.88E-03	2.35E-03	4.65E-02	6.59E-04	6.01E-04	5.01E-02
747	490436.72	3860335.12	0.55721	1.5187	0.1032	0.18854	2.08E-03	4.53E-02	6.58E-04	5.95E-04	4.86E-02	1.89E-03	4.59E-08	8.78E-06	1.62E-05	1.92E-03	2.40E-03	4.53E-02	6.58E-04	5.95E-04	4.90E-02
748	490486.72	3860335.12	0.5486	1.48111	0.0888	0.18598	2.05E-03	4.42E-02	5.66E-04	5.87E-04	4.74E-02	1.86E-03	4.47E-08	7.55E-06	1.60E-05	1.89E-03	2.37E-03	4.42E-02	5.66E-04	5.87E-04	4.77E-02
749	490536.72	3860335.12	0.52951	1.44439	0.0899	0.18222	1.98E-03	4.31E-02	5.74E-04	5.75E-04	4.62E-02	1.80E-03	4.36E-08	7.65E-06	1.57E-05	1.82E-03	2.28E-03	4.31E-02	5.74E-04	5.75E-04	4.65E-02
750	490586.72	3860335.12	0.51095	1.40766	0.0909	0.17986	1.91E-03	4.20E-02	5.80E-04	5.68E-04	4.50E-02	1.73E-03	4.25E-08	7.73E-06	1.55E-05	1.76E-03	2.20E-03	4.20E-02	5.80E-04	5.68E-04	4.53E-02
751	490636.72	3860335.12	0.49566	1.37274	0.0984	0.17866	1.85E-03	4.10E-02	6.28E-04	5.64E-04	4.40E-02	1.68E-03	4.15E-08	8.37E-06	1.54E-05	1.71E-03	2.14E-03	4.10E-02	6.28E-04	5.64E-04	4.43E-02
752	490686.72	3860335.12	0.48419	1.34	0.0999	0.1785	1.81E-03	4.00E-02	6.37E-04	5.64E-04	4.30E-02	1.64E-03	4.05E-08	8.49E-06	1.54E-05	1.67E-03	2.09E-03	4.00E-02	6.37E-04	5.64E-04	4.33E-02
753	490736.72	3860335.12	0.4759	1.30732	0.0999	0.17822	1.78E-03	3.90E-02	6.37E-04	5.63E-04	4.20E-02	1.62E-03	3.95E-08	8.50E-06	1.53E-05	1.64E-03	2.05E-03	3.90E-02	6.37E-04	5.63E-04	4.23E-02
754	490786.72	3860335.12	0.47005	1.27423	0.0963	0.17809	1.75E-03	3.80E-02	6.14E-04	5.62E-04	4.09E-02	1.60E-03	3.85E-08	8.19E-06	1.53E-05	1.62E-03	2.03E-03	3.80E-02	6.14E-04	5.62E-04	4.12E-02
755	490086.72	3860385.12	0.53244	1.76102	0.054	0.20687	1.99E-03	5.25E-02	3.45E-04	6.53E-04	5.55E-02	1.81E-03	5.32E-08	4.59E-06	1.78E-05	1.83E-03	2.30E-03	5.25E-02	3.45E-04	6.53E-04	5.58E-02
756	490136.72	3860385.12	0.53515	1.71089	0.0545	0.1998	2.00E-03	5.10E-02	3.47E-04	6.31E-04	5.40E-02	1.82E-03	5.17E-08	4.63E-06	1.72E-05	1.84E-03	2.31E-03	5.10E-02	3.47E-04	6.31E-04	5.43E-02
757	490186.72	3860385.12	0.5429	1.67062	0.054	0.19382	2.03E-03	4.98E-02	3.44E-04	6.12E-04	5.28E-02	1.84E-03	5.04E-08	4.59E-06	1.67E-05	1.86E-03	2.34E-03	4.98E-02	3.44E-04	6.12E-04	5.31E-02
758	490236.72	3860385.12	0.55638	1.6322	0.0564	0.19419	2.08E-03	4.87E-02	3.60E-04	6.13E-04	5.17E-02	1.89E-03	4.93E-08	4.80E-06	1.67E-05	1.91E-03	2.40E-03	4.87E-02	3.60E-04	6.13E-04	5.21E-02
759	490286.72	3860385.12	0.54892	1.59784	0.0646	0.1933	2.05E-03	4.77E-02	4.12E-04	6.10E-04	5.07E-02	1.86E-03	4.83E-08	5.49E-06	1.66E-05	1.89E-03	2.37E-03	4.77E-02	4.12E-04	6.10E-04	5.11E-02
760	490336.72	3860385.12	0.54601	1.56231	0.0746	0.1888	2.04E-03	4.66E-02	4.76E-04	5.96E-04	4.97E-02	1.85E-03	4.72E-08	6.34E-06	1.63E-05	1.88E-03	2.36E-03	4.66E-02	4.76E-04	5.96E-04	5.00E-02
761	490386.72	3860385.12	0.53615	1.5275	0.088	0.18471	2.00E-03	4.56E-02	5.61E-04	5.83E-04	4.87E-02	1.82E-03	4.61E-08	7.48E-06	1.59E-05	1.84E-03	2.31E-03	4.56E-02	5.61E-04	5.83E-04	4.90E-02
762	490436.72	3860385.12	0.53247	1.49359	0.0991	0.18104	1.99E-03	4.46E-02	6.32E-04	5.72E-04	4.77E-02	1.81E-03	4.51E-08	8.43E-06	1.56E-05	1.83E-03	2.30E-03	4.46E-02	6.32E-04	5.72E-04	4.81E-02
763	490486.72	3860385.12	0.54647	1.45471	0.0996	0.17865	2.04E-03	4.34E-02	6.35E-04	5.64E-04	4.66E-02	1.86E-03	4.39E-08	8.47E-06	1.54E-05	1.88E-03	2.36E-03	4.34E-02	6.35E-04	5.64E-04	4.70E-02
764	490536.72	3860385.12	0.54114	1.41755	0.0881	0.17749	2.02E-03	4.23E-02	5.62E-04	5.60E-04	4.54E-02	1.84E-03	4.28E-08	7.49E-06	1.53E-05	1.86E-03	2.34E-03	4.23E-02	5.62E-04	5.60E-04	4.57E-02
765	490586.72	3860385.12	0.52202	1.382	0.087	0.17598	1.95E-03	4.12E-02	5.55E-04	5.56E-04	4.43E-02	1.77E-03	4.17E-08	7.40E-06	1.52E-05	1.79E-03	2.25E-03	4.12E-02	5.55E-04	5.56E-04	4.46E-02
766	490636.72	3860385.12	0.50355	1.3452	0.0877	0.17477	1.88E-03	4.01E-02	5.60E-04	5.52E-04	4.31E-02	1.71E-03	4.06E-08	7.46E-06	1.50E-05	1.73E-03	2.17E-03	4.01E-02	5.60E-04	5.52E-04	4.34E-02
767	490686.72	3860385.12	0.48813	1.31194	0.0948	0.17345	1.82E-03	3.91E-02	6.04E-04	5.48E-04	4.21E-02	1.66E-03	3.96E-08	8.06E-06	1.49E-05	1.68E-03	2.11E-03	3.91E-02	6.04E-04	5.48E-04	4.24E-02
768	490736.72	3860385.12	0.4761	1.28352	0.0971	0.17158	1.78E-03	3.83E-02	6.19E-04	5.42E-04	4.12E-02	1.62E-03	3.88E-08	8.25E-06	1.48E-05	1.64E-03	2.05E-03	3.83E-02	6.19E-04	5.42E-04	4.15E-02
769	490786.72	3860385.12	0.46945	1.25603	0.0967	0.17044	1.75E-03	3.75E-02	6.17E-04	5.38E-04	4.04E-02	1.59E-03	3.79E-08	8.22E-06	1.47E-05	1.62E-03	2.03E-03	3.75E-02	6.17E-04	5.38E-04	4.07E-02
770	490136.72	3860435.12	0.52285	1.67343	0.0529	0.19751	1.95E-03	4.99E-02	3.38E-04	6.24E-04	5.28E-02	1.78E-03	5.05E-08	4.50E-06	1.70E-05	1.80E-03	2.26E-03	4.99E-02	3.38E-04	6.24E-04	5.31E-02
771	490186.72	3860435.12	0.52539	1.61125	0.0534	0.1946	1.96E-03	4.81E-02	3.40E-04	6.14E-04	5.10E-02	1.78E-03	4.87E-08	4.54E-06	1.68E-05	1.81E-03	2.27E-03	4.81E-02	3.40E-04	6.14E-04	5.13E-02
772	490236.72	3860435.12	0.53328	1.55434	0.0529	0.18944	1.99E-03	4.64E-02	3.37E-04	5.98E-04	4.93E-02	1.81E-03	4.69E-08	4.50E-06	1.63E-05	1.83E-03	2.30E-03	4.64E-02	3.37E-04	5.98E-04	4.96E-02
773	490286.72	3860435.12	0.54578	1.50602	0.0554	0.18434	2.04E-03	4.49E-02	3.54E-04	5.82E-04	4.79E-02	1.85E-03	4.55E-08	4.72E-06	1.59E-05	1.87E-03	2.36E-03	4.49E-02	3.54E-04	5.82E-04	4.82E-02
774	490336.72	3860435.12	0.53832	1.47259	0.064	0.17825	2.01E-03	4.39E-02	4.08E-04	5.63E-04	4.69E-02	1.83E-03	4.45E-08	5.44E-06	1.53E-05	1.85E-03	2.32E-03	4.39E-02	4.08E-04	5.63E-04	4.72E-02
775	490386.72	3860435.12	0.53622	1.44427	0.0739	0.17742	2.00E-03	4.31E-02	4.72E-04	5.60E-04	4.61E-02	1.82E-03	4.36E-08	6.29E-06	1.53E-05	1.84E-03	2.31E-03	4.31E-02	4.72E-04	5.60E-04	4.64E-02
776	490436.72	3860435.12	0.52597	1.41743	0.0869	0.17694	1.96E-03	4.23E-02	5.54E-04	5.59E-04	4.54E-02	1.79E-03	4.28E-08	7.39E-06	1.52E-05	1.81E-03	2.27E-03	4.23E-02	5.54E-04	5.59E-04	4.57E-02
777	490486.72	3860435.12	0.52104	1.38919	0.0953	0.1742	1.94E-03	4.14E-02	6.08E-04	5.50E-04	4.45E-02	1.77E-03	4.20E-08	8.10E-06	1.50E-05	1.79E-03	2.25E-03	4.14E-02	6.08E-04	5.50E-04	4.49E-02
778	490536.72	3860435.12	0.53579	1.35619	0.0957	0.17048	2.00E-03	4.05E-02	6.10E-04	5.38E-04	4.36E-02	1.82E-03	4.10E-08	8.14E-06	1.47E-05	1.84E-03	2.31E-03	4.05E-02	6.10E-04	5.38E-04	4.39E-02
779	490586.72	3860435.12	0.53272	1.32443	0.0871	0.16924	1.99E-03	3.95E-02	5.56E-04	5.34E-04	4.26E-02	1.81E-03	4.00E-08	7.41E-06	1.46E-05	1.83E-03	2.30E-03	3.95E-02	5.56E-04	5.34E-04	4.29E-02
780	490636.72	3860435.12	0.51403	1.29299	0.0842	0.1686	1.92E-03	3.86E-02	5.37E-04	5.32E-04	4.16E-02	1.75E-03	3.90E-08	7.16E-06	1.45E-05	1.77E-03	2.22E-03	3.86E-02	5.37E-04	5.32E-04	4.19E-02
781	490686.72	3860435.12	0.49606	1.26165	0.0846	0.16852	1.85E-03	3.76E-02	5.40E-04	5.32E-04	4.06E-02	1.68E-03	3.81E-08	7.20E-06	1.45E-05	1.71E-03	2.14E-03	3.76E-02	5.40E-04	5.32E-04	4.09E-02
782	490736.72	3860435.12	0.48106	1.23375	0.0913	0.16745	1.80E-03	3.68E-02	5.82E-04	5.29E-04	3.97E-02	1.63E-03	3.73E-08	7.76E-06	1.44E-05	1.66E-03	2.08E-03	3.68E-02	5.82E-04	5.29E-04	4.00E-02
783	490786.72	3860435.12	0.46978	1.21007	0.0944	0.16582	1.75E-03	3.61E-02	6.02E-04	5.24E-04	3.90E-02	1.59E-03	3.65E-08	8.03E-06	1.43E-05	1.62E-03	2.03E-03	3.61E-02	6.02E-04	5.24E-04	3.93E-02
784	490136.72	3860485.12	0.52745	1.59966	0.0508	0.1919	1.97E-03	4.77E-02	3.24E-04	6.06E-04	5.06E-02	1.79E-03	4.83E-08	4.32E-06	1.65E-05	1.81E-03	2.28E-03	4.77E-02	3.24E-04	6.06E-04	5.09E-02
785	490186.72	3860485.12	0.51438	1.55622	0.0519	0.19219	1.92E-03	4.64E-02	3.31E-04	6.07E-04	4.93E-02	1.75E-03	4.70E-08	4.42E-06	1.65E-05	1.77E-03	2.22E-03	4.64E-02	3.31E-04	6.07E-04	4.96E-02
786	490236.72	3860485.12	0.51584	1.51044	0.0523	0.18678	1.92E-03	4.51E-02	3.34E-04	5.90E-04	4.79E-02	1.75E-03	4.56E-08	4.45E-06	1.61E-05	1.77E-03	2.23E-03	4.51E-02	3.34E-04	5.90E-04	4.82E-02
787	490286.72	3860485.12	0.52362	1.47443	0.0519	0.18436	1.95E-03	4.40E-02	3.31E-04	5.82E-04	4.69E-02	1.78E-03	4.45E-08	4.41E-06	1.59E-05	1.80E-03	2.26E-03	4.40E-02	3.31E-04	5.82E-04	4.72E-02
788	490336.72	3860485.12	0.53451	1.43691	0.055	0.17846	1.99E-03	4.29E-02	3.51E-04	5.63E-04	4.58E-02	1.81E-03	4.34E-08	4.67E-06	1.54E-05	1.83E-03	2.31E-03	4.29E-02	3.51E-04	5.63E-04	4.61E-02
789	490386.72	3860485.12	0.52871	1.40025	0.0635	0.17581	1.97E-03	4.18E-02	4.05E-04	5.55E-04	4.47E-02	1.79E-03	4.23E-08	5.40E-06	1.51E-05	1.82E-03	2.28E-03	4.18E-02	4.05E-04	5.55E-04	4.50E-02

790	490436.72	3860485.12	0.52772	1.37097	0.0734	0.17115	1.97E-03	4.09E-02	4.68E-04	5.40E-04	4.39E-02	1.79E-03	4.14E-08	6.25E-06	1.47E-05	1.81E-03	2.28E-03	4.09E-02	4.68E-04	5.40E-04	4.42E-02
791	490486.72	3860485.12	0.51635	1.33931	0.0859	0.16461	1.93E-03	4.00E-02	5.48E-04	5.20E-04	4.30E-02	1.75E-03	4.04E-08	7.31E-06	1.42E-05	1.77E-03	2.23E-03	4.00E-02	5.48E-04	5.20E-04	4.33E-02
792	490536.72	3860485.12	0.51164	1.30815	0.0916	0.162	1.91E-03	3.90E-02	5.84E-04	5.11E-04	4.20E-02	1.74E-03	3.95E-08	7.79E-06	1.39E-05	1.76E-03	2.21E-03	3.90E-02	5.84E-04	5.11E-04	4.23E-02
793	490586.72	3860485.12	0.52575	1.27795	0.0919	0.1615	1.96E-03	3.81E-02	5.86E-04	5.10E-04	4.12E-02	1.78E-03	3.86E-08	7.82E-06	1.39E-05	1.81E-03	2.27E-03	3.81E-02	5.86E-04	5.10E-04	4.15E-02
794	490636.72	3860485.12	0.52438	1.24835	0.0863	0.1628	1.96E-03	3.72E-02	5.51E-04	5.14E-04	4.03E-02	1.78E-03	3.77E-08	7.34E-06	1.40E-05	1.80E-03	2.26E-03	3.72E-02	5.51E-04	5.14E-04	4.06E-02
795	490686.72	3860485.12	0.50541	1.21842	0.0815	0.16108	1.89E-03	3.63E-02	5.20E-04	5.09E-04	3.93E-02	1.72E-03	3.68E-08	6.93E-06	1.39E-05	1.74E-03	2.18E-03	3.63E-02	5.20E-04	5.09E-04	3.96E-02
796	490736.72	3860485.12	0.48952	1.19217	0.0817	0.15977	1.83E-03	3.56E-02	5.21E-04	5.04E-04	3.84E-02	1.66E-03	3.60E-08	6.95E-06	1.38E-05	1.68E-03	2.11E-03	3.56E-02	5.21E-04	5.04E-04	3.87E-02
797	490786.72	3860485.12	0.47392	1.16867	0.0878	0.15886	1.77E-03	3.49E-02	5.60E-04	5.02E-04	3.77E-02	1.61E-03	3.53E-08	7.47E-06	1.37E-05	1.63E-03	2.05E-03	3.49E-02	5.60E-04	5.02E-04	3.80E-02
798	490136.72	3860535.12	0.51371	1.53849	0.0484	0.1818	1.92E-03	4.59E-02	3.09E-04	5.74E-04	4.87E-02	1.74E-03	4.65E-08	4.12E-06	1.57E-05	1.76E-03	2.22E-03	4.59E-02	3.09E-04	5.74E-04	4.90E-02
799	490186.72	3860535.12	0.51993	1.49942	0.0507	0.17968	1.94E-03	4.47E-02	3.24E-04	5.67E-04	4.76E-02	1.77E-03	4.53E-08	4.31E-06	1.55E-05	1.79E-03	2.24E-03	4.47E-02	3.24E-04	5.67E-04	4.79E-02
800	490236.72	3860535.12	0.50544	1.4574	0.0509	0.17856	1.89E-03	4.35E-02	3.25E-04	5.64E-04	4.63E-02	1.72E-03	4.40E-08	4.33E-06	1.54E-05	1.74E-03	2.18E-03	4.35E-02	3.25E-04	5.64E-04	4.65E-02
801	490286.72	3860535.12	0.50658	1.42221	0.0513	0.17961	1.89E-03	4.24E-02	3.27E-04	5.67E-04	4.52E-02	1.72E-03	4.29E-08	4.36E-06	1.55E-05	1.74E-03	2.19E-03	4.24E-02	3.27E-04	5.67E-04	4.55E-02
802	490336.72	3860535.12	0.51401	1.39021	0.0509	0.17704	1.92E-03	4.15E-02	3.24E-04	5.59E-04	4.43E-02	1.75E-03	4.20E-08	4.32E-06	1.52E-05	1.76E-03	2.22E-03	4.15E-02	3.24E-04	5.59E-04	4.46E-02
803	490386.72	3860535.12	0.52393	1.35272	0.0546	0.1732	1.96E-03	4.04E-02	3.48E-04	5.47E-04	4.32E-02	1.78E-03	4.08E-08	4.64E-06	1.49E-05	1.80E-03	2.26E-03	4.04E-02	3.48E-04	5.47E-04	4.35E-02
804	490436.72	3860535.12	0.52012	1.31874	0.0632	0.172	1.94E-03	3.93E-02	4.03E-04	5.43E-04	4.22E-02	1.77E-03	3.98E-08	5.37E-06	1.48E-05	1.79E-03	2.24E-03	3.93E-02	4.03E-04	5.43E-04	4.25E-02
805	490486.72	3860535.12	0.51939	1.28683	0.0731	0.16866	1.94E-03	3.84E-02	4.66E-04	5.33E-04	4.13E-02	1.76E-03	3.89E-08	6.22E-06	1.45E-05	1.78E-03	2.24E-03	3.84E-02	4.66E-04	5.33E-04	4.16E-02
806	490536.72	3860535.12	0.50799	1.25724	0.0855	0.16735	1.90E-03	3.75E-02	5.45E-04	5.28E-04	4.05E-02	1.72E-03	3.80E-08	7.27E-06	1.44E-05	1.75E-03	2.19E-03	3.75E-02	5.45E-04	5.28E-04	4.08E-02
807	490586.72	3860535.12	0.50239	1.23229	0.0882	0.16048	1.87E-03	3.68E-02	5.63E-04	5.07E-04	3.97E-02	1.71E-03	3.72E-08	7.50E-06	1.38E-05	1.73E-03	2.17E-03	3.68E-02	5.63E-04	5.07E-04	4.00E-02
808	490636.72	3860535.12	0.51667	1.20895	0.0885	0.1566	1.93E-03	3.61E-02	5.64E-04	4.94E-04	3.91E-02	1.75E-03	3.65E-08	7.52E-06	1.35E-05	1.78E-03	2.23E-03	3.61E-02	5.64E-04	4.94E-04	3.94E-02
809	490686.72	3860535.12	0.51632	1.18178	0.0847	0.15394	1.93E-03	3.53E-02	5.41E-04	4.86E-04	3.82E-02	1.75E-03	3.57E-08	7.21E-06	1.33E-05	1.77E-03	2.23E-03	3.53E-02	5.41E-04	4.86E-04	3.85E-02
810	490736.72	3860535.12	0.49725	1.15357	0.0791	0.15145	1.86E-03	3.44E-02	5.05E-04	4.78E-04	3.73E-02	1.69E-03	3.48E-08	6.73E-06	1.30E-05	1.71E-03	2.15E-03	3.44E-02	5.05E-04	4.78E-04	3.75E-02
811	490786.72	3860535.12	0.48324	1.13043	0.0789	0.15085	1.80E-03	3.37E-02	5.03E-04	4.76E-04	3.65E-02	1.64E-03	3.41E-08	6.71E-06	1.30E-05	1.66E-03	2.09E-03	3.37E-02	5.03E-04	4.76E-04	3.68E-02
812	490136.72	3860585.12	0.50564	1.48997	0.0482	0.17823	1.89E-03	4.45E-02	3.08E-04	5.63E-04	4.72E-02	1.72E-03	4.50E-08	4.10E-06	1.53E-05	1.74E-03	2.18E-03	4.45E-02	3.08E-04	5.63E-04	4.75E-02
813	490186.72	3860585.12	0.50265	1.447	0.0468	0.17095	1.88E-03	4.32E-02	2.98E-04	5.40E-04	4.59E-02	1.71E-03	4.37E-08	3.98E-06	1.47E-05	1.73E-03	2.17E-03	4.32E-02	2.98E-04	5.40E-04	4.62E-02
814	490236.72	3860585.12	0.5087	1.40783	0.0502	0.16624	1.90E-03	4.20E-02	3.20E-04	5.25E-04	4.47E-02	1.73E-03	4.25E-08	4.27E-06	1.43E-05	1.75E-03	2.20E-03	4.20E-02	3.20E-04	5.25E-04	4.50E-02
815	490286.72	3860585.12	0.49651	1.3742	0.0499	0.16698	1.85E-03	4.10E-02	3.18E-04	5.27E-04	4.37E-02	1.69E-03	4.15E-08	4.25E-06	1.44E-05	1.70E-03	2.14E-03	4.10E-02	3.18E-04	5.27E-04	4.40E-02
816	490336.72	3860585.12	0.49784	1.34125	0.0503	0.16703	1.86E-03	4.00E-02	3.21E-04	5.27E-04	4.27E-02	1.69E-03	4.05E-08	4.28E-06	1.44E-05	1.71E-03	2.15E-03	4.00E-02	3.21E-04	5.27E-04	4.30E-02
817	490386.72	3860585.12	0.50483	1.30836	0.0499	0.16777	1.88E-03	3.90E-02	3.18E-04	5.30E-04	4.18E-02	1.71E-03	3.95E-08	4.24E-06	1.44E-05	1.73E-03	2.18E-03	3.90E-02	3.18E-04	5.30E-04	4.21E-02
818	490436.72	3860585.12	0.51448	1.2821	0.0543	0.16782	1.92E-03	3.82E-02	3.47E-04	5.30E-04	4.10E-02	1.75E-03	3.87E-08	4.62E-06	1.45E-05	1.77E-03	2.22E-03	3.82E-02	3.47E-04	5.30E-04	4.13E-02
819	490486.72	3860585.12	0.51371	1.25877	0.063	0.16525	1.92E-03	3.76E-02	4.02E-04	5.22E-04	4.04E-02	1.74E-03	3.80E-08	5.36E-06	1.42E-05	1.76E-03	2.22E-03	3.76E-02	4.02E-04	5.22E-04	4.07E-02
820	490536.72	3860585.12	0.51307	1.22868	0.0729	0.16356	1.91E-03	3.67E-02	4.65E-04	5.16E-04	3.96E-02	1.74E-03	3.71E-08	6.20E-06	1.41E-05	1.76E-03	2.21E-03	3.67E-02	4.65E-04	5.16E-04	3.99E-02
821	490586.72	3860585.12	0.4951	1.19759	0.0833	0.15952	1.85E-03	3.57E-02	5.31E-04	5.04E-04	3.86E-02	1.68E-03	3.62E-08	7.08E-06	1.37E-05	1.70E-03	2.14E-03	3.57E-02	5.31E-04	5.04E-04	3.89E-02
822	490636.72	3860585.12	0.49337	1.17	0.0849	0.15721	1.84E-03	3.49E-02	5.42E-04	4.96E-04	3.78E-02	1.67E-03	3.53E-08	7.22E-06	1.35E-05	1.70E-03	2.13E-03	3.49E-02	5.42E-04	4.96E-04	3.81E-02
823	490686.72	3860585.12	0.50493	1.1493	0.0854	0.15448	1.88E-03	3.43E-02	5.45E-04	4.88E-04	3.72E-02	1.71E-03	3.47E-08	7.27E-06	1.33E-05	1.73E-03	2.18E-03	3.43E-02	5.45E-04	4.88E-04	3.75E-02
824	490736.72	3860585.12	0.50822	1.13186	0.0823	0.15054	1.90E-03	3.38E-02	5.25E-04	4.75E-04	3.67E-02	1.73E-03	3.42E-08	7.00E-06	1.30E-05	1.75E-03	2.19E-03	3.38E-02	5.25E-04	4.75E-04	3.70E-02
825	490786.72	3860585.12	0.49123	1.11078	0.0769	0.14847	1.83E-03	3.31E-02	4.90E-04	4.69E-04	3.59E-02	1.67E-03	3.35E-08	6.54E-06	1.28E-05	1.69E-03	2.12E-03	3.31E-02	4.90E-04	4.69E-04	3.62E-02
826	490136.72	3860635.12	0.48668	1.45886	0.0487	0.17162	1.82E-03	4.35E-02	3.11E-04	5.42E-04	4.62E-02	1.65E-03	4.41E-08	4.14E-06	1.48E-05	1.67E-03	2.10E-03	4.35E-02	3.11E-04	5.42E-04	4.65E-02
827	490186.72	3860635.12	0.4966	1.42019	0.0465	0.16938	1.85E-03	4.24E-02	2.97E-04	5.35E-04	4.51E-02	1.69E-03	4.29E-08	3.96E-06	1.46E-05	1.70E-03	2.14E-03	4.24E-02	2.97E-04	5.35E-04	4.53E-02
828	490236.72	3860635.12	0.49479	1.38043	0.0458	0.16605	1.85E-03	4.12E-02	2.92E-04	5.24E-04	4.38E-02	1.68E-03	4.17E-08	3.90E-06	1.43E-05	1.70E-03	2.14E-03	4.12E-02	2.92E-04	5.24E-04	4.41E-02
829	490286.72	3860635.12	0.50009	1.3414	0.0494	0.16076	1.87E-03	4.00E-02	3.15E-04	5.08E-04	4.27E-02	1.70E-03	4.05E-08	4.20E-06	1.38E-05	1.72E-03	2.16E-03	4.00E-02	3.15E-04	5.08E-04	4.30E-02
830	490336.72	3860635.12	0.48783	1.30785	0.049	0.15823	1.82E-03	3.90E-02	3.12E-04	5.00E-04	4.16E-02	1.66E-03	3.95E-08	4.16E-06	1.36E-05	1.67E-03	2.11E-03	3.90E-02	3.12E-04	5.00E-04	4.19E-02
831	490386.72	3860635.12	0.48926	1.27061	0.0494	0.15783	1.83E-03	3.79E-02	3.15E-04	4.98E-04	4.05E-02	1.66E-03	3.84E-08	4.20E-06	1.36E-05	1.68E-03	2.11E-03	3.79E-02	3.15E-04	4.98E-04	4.08E-02
832	490436.72	3860635.12	0.49601	1.24269	0.049	0.15693	1.85E-03	3.71E-02	3.12E-04	4.95E-04	3.97E-02	1.68E-03	3.75E-08	4.16E-06	1.35E-05	1.70E-03	2.14E-03	3.71E-02	3.12E-04	4.95E-04	4.00E-02
833	490486.72	3860635.12	0.50216	1.21831	0.0539	0.15677	1.87E-03	3.63E-02	3.44E-04	4.95E-04	3.91E-02	1.70E-03	3.68E-08	4.59E-06	1.35E-05	1.72E-03	2.17E-03	3.63E-02	3.44E-04	4.95E-04	3.94E-02
834	490536.72	3860635.12	0.50252	1.19971	0.0624	0.15633	1.88E-03	3.58E-02	3.98E-04	4.94E-04	3.86E-02	1.71E-03	3.62E-08	5.31E-06	1.35E-05	1.72E-03	2.17E-03	3.58E-02	3.98E-04	4.94E-04	3.89E-02
835	490586.72	3860635.12	0.5022	1.17388	0.0725	0.15318	1.87E-03	3.50E-02	4.62E-04	4.84E-04	3.78E-02	1.70E-03	3.54E-08	6.16E-06	1.32E-05	1.72E-03	2.17E-03	3.50E-02	4.62E-04	4.84E-04	3.81E-02
836	490636.72	3860635.12	0.48694	1.15347	0.0805	0.15208	1.82E-03	3.44E-02	5.14E-04	4.80E-04	3.72E-02	1.65E-03	3.48E-08	6.85E-06	1.31E-05	1.67E-03	2.10E-03	3.44E-02	5.14E-04	4.80E-04	3.75E-02
837	490686.72	3860635.12	0.48457	1.13355	0.0819	0.15029	1.81E-03	3.38E-02	5.22E-04	4.75E-04	3.66E-02	1.65E-03	3.42E-08	6.96E-06	1.29E-05	1.67E-03	2.09E-03	3.38E-02	5.22E-04	4.75E-04	3.69E-02
838	490736.72	3860635.12	0.49285	1.11183	0.0826	0.14835	1.84E-03	3.32E-02	5.27E-04	4.68E-04	3.60E-02	1.67E-03	3.36E-08	7.02E-06	1.28E-05	1.69E-03	2.13E-03	3.32E-02	5.27E-04	4.68E-04	3.63E-02
839	490786.72	3860635.12	0.50023	1.08948	0.0801	0.146	1.87E-03	3.25E-02	5.11E-04	4.61E-04	3.53E-02	1.70E-03	3.29E-08	6.81E-06	1.26E-05	1.72E-03	2.16E-03	3.25E-02	5.11E-04	4.61E-04	3.56E-02
840	490136.72	3860685.12	0.45993	1.37834	0.0474	0.1567	1.72E-03	4.11E-02	3.02E-04	4.95E-04	4.36E-02	1.56E-03	4.16E-08	4.03E-06	1.35E-05	1.58E-03	1.98E-03	4.11E-02	3.02E-04	4.95E-04	4.39E-02
841	490186.72	3860685.12	0.47929	1.35603	0.047	0.15882	1.79E-03	4.05E-02	3.00E-04	5.01E-04	4.30E-02	1.63E-03	4.09E-08	4.00E-06	1.37E-05	1.64E-03	2.07E-03	4.05E-02	3.00E-04	5.01E-04	4.33E-02
842	490236.72	3860685.12	0.48719	1.32863	0.045	0.15863	1.82E-03	3.96E-02	2.87E-04	5.01E-04	4.22E-02	1.65E-03	4.01E-08	3.83E-06	1.37E-05	1.67E-03	2.10E-03	3.96E-02	2.87E-04	5.01E-04	4.25E-02
843	490286.72	3860685.12	0.48458	1.2963	0.0456	0.15576	1.81E-03	3.87E-02	2.91E-04	4.92E-04	4.13E-02	1.65E-03	3.91E-08	3.88E-06	1.34E-05	1.66E-03	2.09E-03	3.87E-02	2.91E-04	4.92E-04	4.15E-02
844	490336.72	3860685.12	0.49212	1.26864	0.0485	0.15447	1.84E-03	3.78E-02	3.09E-04	4.88E-04	4.05E-02	1.67E-03	3.83E-08	4.12E-06	1.33E-05	1.69E-03	2.12E-03	3.78E-02	3.09E-04	4.88E-04	4.08E-02
845	490386.72	3860685.12	0.4799	1.23995	0.0481	0.15208	1.79E-03	3.70E-02	3.07E-04	4.80E-04	3.96E-02	1.63E-03	3.74E-08	4.09E-06	1.31E-05	1.65E-03	2.07E-03	3.70E-02	3.07E-04	4.80E-04	3.98E-02
846	490436.72	3860685.12	0.48038	1.20815	0.0485	0.15051	1.79E-03	3.60E-02	3.09E-04	4.75E-04	3.86E-02	1.63E-03	3.65E-08	4.12E-06	1.30E-05	1.65E-03	2.07E-03	3.60E-02	3.09E-04	4.75E-04	3.89E-02
847	490486.72	3860685.12	0.48601	1.17896	0.0484	0.14952	1.81E-03	3.52E-02	3.09E-04	4.72E-04	3.78E-02	1.65E-03	3.56E-08	4.12E-06	1.29E-05	1.67E-03	2.10E-03	3.52E-02	3.09E-04	4.72E-04	3.81E-02
848	490536.72	3860685.12	0.49147	1.15593	0.0537	0.14807	1.83E-03	3.45E-02	3.43E-04	4.68E-04	3.71E-02	1.67E-03	3.49E-08	4.57E-06	1.28E-05	1.69E-03	2.12E-03	3.45E-02	3.43E-04	4.68E-04	3.74E-02
849	490586.72	3860685.12	0.49241	1.13037	0.062	0.14719	1.84E-03	3.37E-02	3.96E-04	4.65E-04	3.64E-02	1.67E-03	3.41E-08	5.27E-06	1.27E-05	1.69E-03	2.12E-03	3.37E-02	3.96E-04	4.65E-04	3.67E-02
850	490636.72	3860685.12	0.49435	1.11302	0.0723	0.14695	1.84E-03	3.32E-02	4.61E-04	4.64E-04	3.60E-02	1.68E-03	3.36E-08	6.15E-06	1.27E-05	1.70E-03	2.13E-03	3.32E-02	4.61E-04	4.64E-04	3.63E-02

851	490686.72	3860685.12	0.47887	1.09928	0.078	0.14494	1.79E-03	3.28E-02	4.98E-04	4.58E-04	3.55E-02	1.63E-03	3.32E-08	6.64E-06	1.25E-05	1.64E-03	2.07E-03	3.28E-02	4.98E-04	4.58E-04	3.58E-02
852	490736.72	3860685.12	0.47546	1.08269	0.0791	0.14368	1.77E-03	3.23E-02	5.04E-04	4.54E-04	3.50E-02	1.61E-03	3.27E-08	6.72E-06	1.24E-05	1.63E-03	2.05E-03	3.23E-02	5.04E-04	4.54E-04	3.53E-02
853	490786.72	3860685.12	0.48334	1.06	0.08	0.14327	1.80E-03	3.16E-02	5.10E-04	4.52E-04	3.44E-02	1.64E-03	3.20E-08	6.80E-06	1.23E-05	1.66E-03	2.09E-03	3.16E-02	5.10E-04	4.52E-04	3.47E-02
854	490136.72	3860735.12	0.4344	1.31448	0.0444	0.14982	1.62E-03	3.92E-02	2.83E-04	4.73E-04	4.16E-02	1.47E-03	3.97E-08	3.77E-06	1.29E-05	1.49E-03	1.87E-03	3.92E-02	2.83E-04	4.73E-04	4.18E-02
855	490186.72	3860735.12	0.44841	1.2854	0.0463	0.14539	1.67E-03	3.83E-02	2.96E-04	4.59E-04	4.08E-02	1.52E-03	3.88E-08	3.94E-06	1.25E-05	1.54E-03	1.93E-03	3.83E-02	2.96E-04	4.59E-04	4.10E-02
856	490236.72	3860735.12	0.46369	1.2627	0.045	0.14262	1.73E-03	3.77E-02	2.87E-04	4.50E-04	4.01E-02	1.57E-03	3.81E-08	3.83E-06	1.23E-05	1.59E-03	2.00E-03	3.77E-02	2.87E-04	4.50E-04	4.04E-02
857	490286.72	3860735.12	0.47372	1.2372	0.0434	0.14317	1.77E-03	3.69E-02	2.77E-04	4.52E-04	3.94E-02	1.61E-03	3.74E-08	3.69E-06	1.23E-05	1.62E-03	2.04E-03	3.69E-02	2.77E-04	4.52E-04	3.97E-02
858	490336.72	3860735.12	0.47567	1.21133	0.0454	0.14405	1.77E-03	3.61E-02	2.89E-04	4.55E-04	3.87E-02	1.61E-03	3.66E-08	3.86E-06	1.24E-05	1.63E-03	2.05E-03	3.61E-02	2.89E-04	4.55E-04	3.89E-02
859	490386.72	3860735.12	0.48298	1.18574	0.0476	0.14477	1.80E-03	3.54E-02	3.03E-04	4.57E-04	3.79E-02	1.64E-03	3.58E-08	4.05E-06	1.25E-05	1.66E-03	2.08E-03	3.54E-02	3.03E-04	4.57E-04	3.82E-02
860	490436.72	3860735.12	0.47338	1.16374	0.0473	0.14353	1.77E-03	3.47E-02	3.02E-04	4.53E-04	3.72E-02	1.61E-03	3.51E-08	4.02E-06	1.24E-05	1.62E-03	2.04E-03	3.47E-02	3.02E-04	4.53E-04	3.75E-02
861	490486.72	3860735.12	0.47265	1.13979	0.0476	0.14184	1.76E-03	3.40E-02	3.04E-04	4.48E-04	3.65E-02	1.60E-03	3.44E-08	4.05E-06	1.22E-05	1.62E-03	2.04E-03	3.40E-02	3.04E-04	4.48E-04	3.68E-02
862	490536.72	3860735.12	0.47646	1.11597	0.0482	0.13971	1.78E-03	3.33E-02	3.07E-04	4.41E-04	3.58E-02	1.62E-03	3.37E-08	4.10E-06	1.20E-05	1.63E-03	2.06E-03	3.33E-02	3.07E-04	4.41E-04	3.61E-02
863	490586.72	3860735.12	0.48176	1.09149	0.0536	0.13922	1.80E-03	3.26E-02	3.42E-04	4.40E-04	3.51E-02	1.64E-03	3.30E-08	4.56E-06	1.20E-05	1.65E-03	2.08E-03	3.26E-02	3.42E-04	4.40E-04	3.54E-02
864	490636.72	3860735.12	0.48324	1.06612	0.0617	0.1399	1.80E-03	3.18E-02	3.94E-04	4.42E-04	3.44E-02	1.64E-03	3.22E-08	5.25E-06	1.20E-05	1.66E-03	2.09E-03	3.18E-02	3.94E-04	4.42E-04	3.47E-02
865	490686.72	3860735.12	0.48584	1.04531	0.0721	0.14135	1.81E-03	3.12E-02	4.60E-04	4.46E-04	3.39E-02	1.65E-03	3.16E-08	6.13E-06	1.22E-05	1.67E-03	2.10E-03	3.12E-02	4.60E-04	4.46E-04	3.42E-02
866	490736.72	3860735.12	0.47125	1.03152	0.0756	0.14051	1.76E-03	3.08E-02	4.82E-04	4.44E-04	3.35E-02	1.60E-03	3.12E-08	6.43E-06	1.21E-05	1.62E-03	2.03E-03	3.08E-02	4.82E-04	4.44E-04	3.37E-02
867	490136.72	3860785.12	0.44063	1.24406	0.0402	0.1429	1.64E-03	3.71E-02	2.56E-04	4.51E-04	3.95E-02	1.50E-03	3.76E-08	3.42E-06	1.23E-05	1.51E-03	1.90E-03	3.71E-02	2.56E-04	4.51E-04	3.97E-02
868	490186.72	3860785.12	0.42509	1.22283	0.0443	0.14102	1.59E-03	3.65E-02	2.83E-04	4.45E-04	3.88E-02	1.44E-03	3.69E-08	3.77E-06	1.21E-05	1.46E-03	1.83E-03	3.65E-02	2.83E-04	4.45E-04	3.90E-02
869	490236.72	3860785.12	0.43993	1.20189	0.0453	0.13711	1.64E-03	3.59E-02	2.89E-04	4.33E-04	3.82E-02	1.49E-03	3.63E-08	3.85E-06	1.18E-05	1.51E-03	1.90E-03	3.59E-02	2.89E-04	4.33E-04	3.85E-02
870	490286.72	3860785.12	0.45511	1.18254	0.0434	0.1336	1.70E-03	3.53E-02	2.77E-04	4.22E-04	3.77E-02	1.55E-03	3.57E-08	3.69E-06	1.15E-05	1.56E-03	1.96E-03	3.53E-02	2.77E-04	4.22E-04	3.79E-02
871	490336.72	3860785.12	0.46315	1.16649	0.0421	0.13071	1.73E-03	3.48E-02	2.68E-04	4.13E-04	3.72E-02	1.57E-03	3.52E-08	3.58E-06	1.13E-05	1.59E-03	2.00E-03	3.48E-02	2.68E-04	4.13E-04	3.75E-02
872	490386.72	3860785.12	0.46737	1.15044	0.0451	0.13178	1.74E-03	3.43E-02	2.87E-04	4.16E-04	3.68E-02	1.59E-03	3.47E-08	3.83E-06	1.13E-05	1.60E-03	2.02E-03	3.43E-02	2.87E-04	4.16E-04	3.70E-02
873	490436.72	3860785.12	0.47417	1.12831	0.0467	0.13377	1.77E-03	3.37E-02	2.98E-04	4.22E-04	3.62E-02	1.61E-03	3.41E-08	3.97E-06	1.15E-05	1.63E-03	2.05E-03	3.37E-02	2.98E-04	4.22E-04	3.64E-02
874	490486.72	3860785.12	0.46416	1.10157	0.0464	0.13421	1.73E-03	3.29E-02	2.96E-04	4.24E-04	3.53E-02	1.58E-03	3.33E-08	3.94E-06	1.16E-05	1.59E-03	2.00E-03	3.29E-02	2.96E-04	4.24E-04	3.56E-02
875	490536.72	3860785.12	0.4629	1.07985	0.0467	0.13169	1.73E-03	3.22E-02	2.98E-04	4.16E-04	3.47E-02	1.57E-03	3.26E-08	3.98E-06	1.13E-05	1.59E-03	2.00E-03	3.22E-02	2.98E-04	4.16E-04	3.49E-02
876	490586.72	3860785.12	0.46668	1.05588	0.048	0.12996	1.74E-03	3.15E-02	3.06E-04	4.10E-04	3.40E-02	1.58E-03	3.19E-08	4.08E-06	1.12E-05	1.60E-03	2.01E-03	3.15E-02	3.06E-04	4.10E-04	3.42E-02
877	490636.72	3860785.12	0.47234	1.02866	0.0534	0.12987	1.76E-03	3.07E-02	3.41E-04	4.10E-04	3.32E-02	1.60E-03	3.11E-08	4.54E-06	1.12E-05	1.62E-03	2.04E-03	3.07E-02	3.41E-04	4.10E-04	3.35E-02
878	490686.72	3860785.12	0.47476	1.01022	0.0615	0.1297	1.77E-03	3.01E-02	3.92E-04	4.10E-04	3.27E-02	1.61E-03	3.05E-08	5.23E-06	1.12E-05	1.63E-03	2.05E-03	3.01E-02	3.92E-04	4.10E-04	3.30E-02
879	490736.72	3860785.12	0.47741	0.99699	0.0719	0.1308	1.78E-03	2.97E-02	4.59E-04	4.13E-04	3.24E-02	1.62E-03	3.01E-08	6.12E-06	1.13E-05	1.64E-03	2.06E-03	2.97E-02	4.59E-04	4.13E-04	3.27E-02
880	490086.72	3860835.12	0.43334	1.21443	0.0393	0.1474	1.62E-03	3.62E-02	2.50E-04	4.65E-04	3.86E-02	1.47E-03	3.67E-08	3.34E-06	1.27E-05	1.49E-03	1.87E-03	3.62E-02	2.50E-04	4.65E-04	3.88E-02
881	490136.72	3860835.12	0.43644	1.19691	0.039	0.14032	1.63E-03	3.57E-02	2.49E-04	4.43E-04	3.80E-02	1.48E-03	3.61E-08	3.32E-06	1.21E-05	1.50E-03	1.88E-03	3.57E-02	2.49E-04	4.43E-04	3.83E-02
882	490186.72	3860835.12	0.43305	1.17424	0.0402	0.13453	1.62E-03	3.50E-02	2.56E-04	4.25E-04	3.73E-02	1.47E-03	3.55E-08	3.41E-06	1.16E-05	1.49E-03	1.87E-03	3.50E-02	2.56E-04	4.25E-04	3.76E-02
883	490236.72	3860835.12	0.41743	1.1548	0.044	0.13303	1.56E-03	3.45E-02	2.80E-04	4.20E-04	3.67E-02	1.42E-03	3.49E-08	3.74E-06	1.15E-05	1.43E-03	1.80E-03	3.45E-02	2.80E-04	4.20E-04	3.70E-02
884	490286.72	3860835.12	0.43241	1.13634	0.0438	0.12968	1.61E-03	3.39E-02	2.79E-04	4.09E-04	3.62E-02	1.47E-03	3.43E-08	3.72E-06	1.12E-05	1.48E-03	1.87E-03	3.39E-02	2.79E-04	4.09E-04	3.65E-02
885	490336.72	3860835.12	0.44779	1.12095	0.0419	0.12621	1.67E-03	3.34E-02	2.67E-04	3.98E-04	3.58E-02	1.52E-03	3.39E-08	3.56E-06	1.09E-05	1.53E-03	1.93E-03	3.34E-02	2.67E-04	3.98E-04	3.60E-02
886	490386.72	3860835.12	0.45339	1.10491	0.0408	0.12361	1.69E-03	3.30E-02	2.60E-04	3.90E-04	3.53E-02	1.54E-03	3.34E-08	3.47E-06	1.06E-05	1.55E-03	1.96E-03	3.30E-02	2.60E-04	3.90E-04	3.56E-02
887	490436.72	3860835.12	0.45882	1.087	0.0447	0.12109	1.71E-03	3.24E-02	2.85E-04	3.82E-04	3.48E-02	1.56E-03	3.28E-08	3.80E-06	1.04E-05	1.57E-03	1.98E-03	3.24E-02	2.85E-04	3.82E-04	3.51E-02
888	490486.72	3860835.12	0.46581	1.06393	0.0458	0.12187	1.74E-03	3.17E-02	2.92E-04	3.85E-04	3.42E-02	1.58E-03	3.21E-08	3.90E-06	1.05E-05	1.60E-03	2.01E-03	3.17E-02	2.92E-04	3.85E-04	3.44E-02
889	490536.72	3860835.12	0.45386	1.04423	0.0455	0.12269	1.69E-03	3.12E-02	2.90E-04	3.87E-04	3.35E-02	1.54E-03	3.15E-08	3.87E-06	1.06E-05	1.56E-03	1.96E-03	3.12E-02	2.90E-04	3.87E-04	3.38E-02
890	490586.72	3860835.12	0.45291	1.01963	0.0458	0.12302	1.69E-03	3.04E-02	2.92E-04	3.88E-04	3.28E-02	1.54E-03	3.08E-08	3.89E-06	1.06E-05	1.55E-03	1.95E-03	3.04E-02	2.92E-04	3.88E-04	3.31E-02
891	490636.72	3860835.12	0.45764	0.99735	0.0478	0.1211	1.71E-03	2.98E-02	3.05E-04	3.82E-04	3.21E-02	1.55E-03	3.01E-08	4.07E-06	1.04E-05	1.57E-03	1.97E-03	2.98E-02	3.05E-04	3.82E-04	3.24E-02
892	490686.72	3860835.12	0.46411	0.97924	0.0534	0.12211	1.73E-03	2.92E-02	3.40E-04	3.86E-04	3.17E-02	1.58E-03	2.96E-08	4.54E-06	1.05E-05	1.59E-03	2.00E-03	2.92E-02	3.40E-04	3.86E-04	3.19E-02
893	490736.72	3860835.12	0.46749	0.96431	0.0614	0.12298	1.74E-03	2.88E-02	3.92E-04	3.88E-04	3.13E-02	1.59E-03	2.91E-08	5.22E-06	1.06E-05	1.60E-03	2.02E-03	2.88E-02	3.92E-04	3.88E-04	3.16E-02
894	490086.72	3860885.12	0.43725	1.16773	0.0388	0.13826	1.63E-03	3.48E-02	2.48E-04	4.37E-04	3.72E-02	1.48E-03	3.53E-08	3.30E-06	1.19E-05	1.50E-03	1.89E-03	3.48E-02	2.48E-04	4.37E-04	3.74E-02
895	490136.72	3860885.12	0.4258	1.14539	0.0386	0.13795	1.59E-03	3.42E-02	2.46E-04	4.36E-04	3.64E-02	1.45E-03	3.46E-08	3.28E-06	1.19E-05	1.46E-03	1.84E-03	3.42E-02	2.46E-04	4.36E-04	3.67E-02
896	490186.72	3860885.12	0.4267	1.12836	0.0383	0.13459	1.59E-03	3.37E-02	2.44E-04	4.25E-04	3.59E-02	1.45E-03	3.41E-08	3.26E-06	1.16E-05	1.46E-03	1.84E-03	3.37E-02	2.44E-04	4.25E-04	3.62E-02
897	490236.72	3860885.12	0.42404	1.113	0.0402	0.12839	1.58E-03	3.32E-02	2.57E-04	4.05E-04	3.54E-02	1.44E-03	3.36E-08	3.42E-06	1.11E-05	1.45E-03	1.83E-03	3.32E-02	2.57E-04	4.05E-04	3.57E-02
898	490286.72	3860885.12	0.41077	1.09559	0.0432	0.12519	1.53E-03	3.27E-02	2.76E-04	3.95E-04	3.49E-02	1.39E-03	3.31E-08	3.68E-06	1.08E-05	1.41E-03	1.77E-03	3.27E-02	2.76E-04	3.95E-04	3.51E-02
899	490336.72	3860885.12	0.42468	1.07838	0.0423	0.12364	1.58E-03	3.22E-02	2.70E-04	3.90E-04	3.44E-02	1.44E-03	3.26E-08	3.60E-06	1.06E-05	1.46E-03	1.83E-03	3.22E-02	2.70E-04	3.90E-04	3.47E-02
900	490386.72	3860885.12	0.44107	1.06307	0.0405	0.12032	1.65E-03	3.17E-02	2.58E-04	3.80E-04	3.40E-02	1.50E-03	3.21E-08	3.45E-06	1.04E-05	1.51E-03	1.90E-03	3.17E-02	2.58E-04	3.80E-04	3.43E-02
901	490436.72	3860885.12	0.44492	1.04652	0.0403	0.11752	1.66E-03	3.12E-02	2.57E-04	3.71E-04	3.35E-02	1.51E-03	3.16E-08	3.43E-06	1.01E-05	1.52E-03	1.92E-03	3.12E-02	2.57E-04	3.71E-04	3.38E-02
902	490486.72	3860885.12	0.45133	1.02673	0.0443	0.11497	1.68E-03	3.06E-02	2.83E-04	3.63E-04	3.30E-02	1.53E-03	3.10E-08	3.77E-06	9.90E-06	1.55E-03	1.95E-03	3.06E-02	2.83E-04	3.63E-04	3.32E-02
903	490536.72	3860885.12	0.45752	1.0041	0.045	0.11316	1.71E-03	3.00E-02	2.87E-04	3.57E-04	3.23E-02	1.55E-03	3.03E-08	3.83E-06	9.74E-06	1.57E-03	1.97E-03	3.00E-02	2.87E-04	3.57E-04	3.26E-02
904	490586.72	3860885.12	0.4445	0.98336	0.0446	0.11281	1.66E-03	2.93E-02	2.85E-04	3.56E-04	3.16E-02	1.51E-03	2.97E-08	3.80E-06	9.71E-06	1.52E-03	1.92E-03	2.93E-02	2.85E-04	3.56E-04	3.19E-02
905	490636.72	3860885.12	0.44392	0.96882	0.0449	0.11344	1.66E-03	2.89E-02	2.86E-04	3.58E-04	3.12E-02	1.51E-03	2.93E-08	3.82E-06	9.77E-06	1.52E-03	1.92E-03	2.89E-02	2.86E-04	3.58E-04	3.15E-02
906	490686.72	3860885.12	0.44896	0.95437	0.0477	0.11447	1.68E-03	2.85E-02	3.04E-04	3.61E-04	3.08E-02	1.52E-03	2.88E-08	4.06E-06	9.86E-06	1.54E-03	1.94E-03	2.85E-02	3.04E-04	3.61E-04	3.11E-02
907	490736.72	3860885.12	0.45566	0.93009	0.0533	0.11422	1.70E-03	2.77E-02	3.40E-04	3.61E-04	3.01E-02	1.55E-03	2.81E-08	4.54E-06	9.84E-06	1.56E-03	1.97E-03	2.77E-02	3.40E-04	3.61E-04	3.04E-02
908	490086.72	3860935.12	0.42458	1.10898	0.038	0.12871	1.58E-03	3.31E-02	2.43E-04	4.06E-04	3.53E-02	1.44E-03	3.35E-08	3.24E-06	1.11E-05	1.46E-03	1.83E-03	3.31E-02	2.43E-04	4.06E-04	3.56E-02
909	490136.72	3860935.12	0.42832	1.09457	0.0381	0.12921	1.60E-03	3.27E-02	2.43E-04	4.08E-04	3.49E-02	1.45E-03	3.31E-08	3.24E-06	1.11E-05	1.47E-03	1.85E-03	3.27E-02	2.43E-04	4.08E-04	3.52E-02
910	490186.72	3860935.12	0.41835	1.08155	0.0379	0.1291	1.56E-03	3.23E-02	2.42E-04	4.08E-04	3.45E-02	1.42E-03	3.27E-08	3.22E-06	1.11E-05	1.43E-03	1.81E-03	3.23E-02	2.42E-04	4.08E-04	3.47E-02
911	490236.72	3860935.12	0.41699	1.06798	0.0377	0.12837	1.56E-03	3.19E-02	2.40E-04	4.05E-04	3.41E-02	1.42E-03	3.23E-08	3.20E-06	1.11E-05	1.43E-03	1.80E-03	3.19E-02	2.40E-04	4.05E-04	3.43E-02

912	490286.72	3860935.12	0.41495	1.0477	0.0403	0.12229	1.55E-03	3.13E-02	2.57E-04	3.86E-04	3.34E-02	1.41E-03	3.16E-08	3.43E-06	1.05E-05	1.42E-03	1.79E-03	3.13E-02	2.57E-04	3.86E-04	3.37E-02
913	490336.72	3860935.12	0.40453	1.02875	0.0421	0.11816	1.51E-03	3.07E-02	2.69E-04	3.73E-04	3.28E-02	1.37E-03	3.11E-08	3.58E-06	1.02E-05	1.39E-03	1.75E-03	3.07E-02	2.69E-04	3.73E-04	3.31E-02
914	490386.72	3860935.12	0.41811	1.01512	0.0409	0.11749	1.56E-03	3.03E-02	2.61E-04	3.71E-04	3.25E-02	1.42E-03	3.07E-08	3.48E-06	1.01E-05	1.43E-03	1.80E-03	3.03E-02	2.61E-04	3.71E-04	3.27E-02
915	490436.72	3860935.12	0.43458	1.0014	0.0393	0.11616	1.62E-03	2.99E-02	2.50E-04	3.67E-04	3.21E-02	1.48E-03	3.02E-08	3.34E-06	1.00E-05	1.49E-03	1.88E-03	2.99E-02	2.50E-04	3.67E-04	3.24E-02
916	490486.72	3860935.12	0.43606	0.98631	0.0401	0.11325	1.63E-03	2.94E-02	2.56E-04	3.58E-04	3.17E-02	1.48E-03	2.98E-08	3.41E-06	9.75E-06	1.49E-03	1.88E-03	2.94E-02	2.56E-04	3.58E-04	3.19E-02
917	490536.72	3860935.12	0.44386	0.97415	0.044	0.11022	1.66E-03	2.91E-02	2.81E-04	3.48E-04	3.13E-02	1.51E-03	2.94E-08	3.74E-06	9.49E-06	1.52E-03	1.92E-03	2.91E-02	2.81E-04	3.48E-04	3.16E-02
918	490586.72	3860935.12	0.44953	0.95997	0.0442	0.10789	1.68E-03	2.86E-02	2.82E-04	3.41E-04	3.09E-02	1.53E-03	2.90E-08	3.76E-06	9.29E-06	1.54E-03	1.94E-03	2.86E-02	2.82E-04	3.41E-04	3.12E-02
919	490636.72	3860935.12	0.43642	0.94148	0.0438	0.10589	1.63E-03	2.81E-02	2.80E-04	3.34E-04	3.03E-02	1.48E-03	2.84E-08	3.73E-06	9.12E-06	1.49E-03	1.88E-03	2.81E-02	2.80E-04	3.34E-04	3.06E-02
920	490686.72	3860935.12	0.43571	0.92372	0.044	0.1049	1.63E-03	2.76E-02	2.81E-04	3.31E-04	2.98E-02	1.48E-03	2.79E-08	3.75E-06	9.03E-06	1.49E-03	1.88E-03	2.76E-02	2.81E-04	3.31E-04	3.00E-02
921	490736.72	3860935.12	0.44056	0.90674	0.0476	0.10617	1.64E-03	2.71E-02	3.03E-04	3.35E-04	2.93E-02	1.50E-03	2.74E-08	4.05E-06	9.14E-06	1.51E-03	1.90E-03	2.71E-02	3.03E-04	3.35E-04	2.96E-02
922	490786.72	3860935.12	0.44759	0.88845	0.0533	0.1082	1.67E-03	2.65E-02	3.40E-04	3.42E-04	2.89E-02	1.52E-03	2.68E-08	4.53E-06	9.32E-06	1.53E-03	1.93E-03	2.65E-02	3.40E-04	3.42E-04	2.91E-02
923	490836.72	3860935.12	0.45208	0.87217	0.0614	0.10802	1.69E-03	2.60E-02	3.92E-04	3.41E-04	2.84E-02	1.53E-03	2.63E-08	5.22E-06	9.30E-06	1.55E-03	1.95E-03	2.60E-02	3.92E-04	3.41E-04	2.87E-02
924	490086.72	3860985.12	0.42521	1.05837	0.0366	0.1199	1.59E-03	3.16E-02	2.34E-04	3.79E-04	3.38E-02	1.44E-03	3.20E-08	3.11E-06	1.03E-05	1.46E-03	1.83E-03	3.16E-02	2.34E-04	3.79E-04	3.40E-02
925	490136.72	3860985.12	0.41914	1.04452	0.0377	0.12016	1.56E-03	3.12E-02	2.40E-04	3.79E-04	3.33E-02	1.42E-03	3.15E-08	3.21E-06	1.03E-05	1.44E-03	1.81E-03	3.12E-02	2.40E-04	3.79E-04	3.36E-02
926	490186.72	3860985.12	0.41996	1.03308	0.0375	0.12064	1.57E-03	3.08E-02	2.39E-04	3.81E-04	3.30E-02	1.43E-03	3.12E-08	3.19E-06	1.04E-05	1.44E-03	1.81E-03	3.08E-02	2.39E-04	3.81E-04	3.33E-02
927	490236.72	3860985.12	0.41259	1.02195	0.0373	0.12147	1.54E-03	3.05E-02	2.38E-04	3.84E-04	3.26E-02	1.40E-03	3.09E-08	3.17E-06	1.05E-05	1.41E-03	1.78E-03	3.05E-02	2.38E-04	3.84E-04	3.29E-02
928	490286.72	3860985.12	0.40947	1.0118	0.0371	0.12107	1.53E-03	3.02E-02	2.37E-04	3.82E-04	3.23E-02	1.39E-03	3.06E-08	3.16E-06	1.04E-05	1.40E-03	1.77E-03	3.02E-02	2.37E-04	3.82E-04	3.26E-02
929	490336.72	3860985.12	0.40583	0.99567	0.0404	0.11726	1.51E-03	2.97E-02	2.58E-04	3.70E-04	3.18E-02	1.38E-03	3.01E-08	3.43E-06	1.01E-05	1.39E-03	1.75E-03	2.97E-02	2.58E-04	3.70E-04	3.21E-02
930	490386.72	3860985.12	0.39893	0.97972	0.0408	0.11204	1.49E-03	2.92E-02	2.60E-04	3.54E-04	3.13E-02	1.35E-03	2.96E-08	3.47E-06	9.65E-06	1.37E-03	1.72E-03	2.92E-02	2.60E-04	3.54E-04	3.16E-02
931	490436.72	3860985.12	0.41183	0.96548	0.0396	0.11052	1.54E-03	2.88E-02	2.53E-04	3.49E-04	3.09E-02	1.40E-03	2.92E-08	3.37E-06	9.52E-06	1.41E-03	1.78E-03	2.88E-02	2.53E-04	3.49E-04	3.12E-02
932	490486.72	3860985.12	0.42768	0.94998	0.0381	0.10993	1.60E-03	2.83E-02	2.43E-04	3.47E-04	3.05E-02	1.45E-03	2.87E-08	3.24E-06	9.47E-06	1.46E-03	1.85E-03	2.83E-02	2.43E-04	3.47E-04	3.08E-02
933	490536.72	3860985.12	0.42764	0.93895	0.0399	0.10947	1.60E-03	2.80E-02	2.54E-04	3.46E-04	3.02E-02	1.45E-03	2.84E-08	3.39E-06	9.43E-06	1.46E-03	1.85E-03	2.80E-02	2.54E-04	3.46E-04	3.05E-02
934	490586.72	3860985.12	0.43614	0.9281	0.0434	0.10705	1.63E-03	2.77E-02	2.77E-04	3.38E-04	2.99E-02	1.48E-03	2.80E-08	3.69E-06	9.22E-06	1.49E-03	1.88E-03	2.77E-02	2.77E-04	3.38E-04	3.02E-02
935	490636.72	3860985.12	0.44201	0.91447	0.0434	0.10385	1.65E-03	2.73E-02	2.77E-04	3.28E-04	2.95E-02	1.50E-03	2.76E-08	3.69E-06	8.94E-06	1.51E-03	1.91E-03	2.73E-02	2.77E-04	3.28E-04	2.98E-02
936	490686.72	3860985.12	0.429	0.89919	0.0431	0.10114	1.60E-03	2.68E-02	2.75E-04	3.19E-04	2.90E-02	1.46E-03	2.72E-08	3.67E-06	8.71E-06	1.47E-03	1.85E-03	2.68E-02	2.75E-04	3.19E-04	2.93E-02
937	490736.72	3860985.12	0.42754	0.88345	0.0436	0.09929	1.60E-03	2.64E-02	2.78E-04	3.13E-04	2.85E-02	1.45E-03	2.67E-08	3.70E-06	8.55E-06	1.46E-03	1.84E-03	2.64E-02	2.78E-04	3.13E-04	2.88E-02
938	490786.72	3860985.12	0.43241	0.86926	0.0475	0.09889	1.61E-03	2.59E-02	3.03E-04	3.12E-04	2.82E-02	1.47E-03	2.63E-08	4.04E-06	8.52E-06	1.48E-03	1.87E-03	2.59E-02	3.03E-04	3.12E-04	2.84E-02
939	490836.72	3860985.12	0.4405	0.85385	0.0533	0.10069	1.64E-03	2.55E-02	3.40E-04	3.18E-04	2.78E-02	1.50E-03	2.58E-08	4.53E-06	8.67E-06	1.51E-03	1.90E-03	2.55E-02	3.40E-04	3.18E-04	2.80E-02
940	490086.72	3861035.12	0.42373	1.02532	0.0355	0.11043	1.58E-03	3.06E-02	2.26E-04	3.49E-04	3.27E-02	1.44E-03	3.10E-08	3.02E-06	9.51E-06	1.45E-03	1.83E-03	3.06E-02	2.26E-04	3.49E-04	3.30E-02
941	490136.72	3861035.12	0.41654	1.00725	0.0363	0.11215	1.55E-03	3.00E-02	2.31E-04	3.54E-04	3.22E-02	1.41E-03	3.04E-08	3.09E-06	9.66E-06	1.43E-03	1.80E-03	3.00E-02	2.31E-04	3.54E-04	3.24E-02
942	490186.72	3861035.12	0.41508	0.99128	0.037	0.11274	1.55E-03	2.96E-02	2.36E-04	3.56E-04	3.17E-02	1.41E-03	2.99E-08	3.15E-06	9.71E-06	1.42E-03	1.79E-03	2.96E-02	2.36E-04	3.56E-04	3.20E-02
943	490236.72	3861035.12	0.41178	0.97753	0.0369	0.11293	1.54E-03	2.92E-02	2.35E-04	3.57E-04	3.13E-02	1.40E-03	2.95E-08	3.14E-06	9.72E-06	1.41E-03	1.78E-03	2.92E-02	2.35E-04	3.57E-04	3.15E-02
944	490286.72	3861035.12	0.40668	0.96563	0.0366	0.11406	1.52E-03	2.88E-02	2.34E-04	3.60E-04	3.09E-02	1.38E-03	2.92E-08	3.12E-06	9.82E-06	1.39E-03	1.75E-03	2.88E-02	2.34E-04	3.60E-04	3.12E-02
945	490336.72	3861035.12	0.40112	0.95171	0.0372	0.11401	1.50E-03	2.84E-02	2.37E-04	3.60E-04	3.05E-02	1.36E-03	2.87E-08	3.16E-06	9.82E-06	1.37E-03	1.73E-03	2.84E-02	2.37E-04	3.60E-04	3.07E-02
946	490386.72	3861035.12	0.39777	0.94564	0.0405	0.11285	1.48E-03	2.82E-02	2.59E-04	3.56E-04	3.03E-02	1.35E-03	2.86E-08	3.45E-06	9.72E-06	1.36E-03	1.72E-03	2.82E-02	2.59E-04	3.56E-04	3.05E-02
947	490436.72	3861035.12	0.39408	0.93548	0.0396	0.10798	1.47E-03	2.79E-02	2.53E-04	3.41E-04	3.00E-02	1.34E-03	2.82E-08	3.37E-06	9.30E-06	1.35E-03	1.70E-03	2.79E-02	2.53E-04	3.41E-04	3.02E-02
948	490486.72	3861035.12	0.40592	0.92368	0.0384	0.10431	1.51E-03	2.76E-02	2.45E-04	3.29E-04	2.96E-02	1.38E-03	2.79E-08	3.26E-06	8.98E-06	1.39E-03	1.75E-03	2.76E-02	2.45E-04	3.29E-04	2.99E-02
949	490536.72	3861035.12	0.4209	0.90859	0.037	0.1036	1.57E-03	2.71E-02	2.36E-04	3.27E-04	2.92E-02	1.43E-03	2.74E-08	3.14E-06	8.92E-06	1.44E-03	1.82E-03	2.71E-02	2.36E-04	3.27E-04	2.95E-02
950	490586.72	3861035.12	0.42019	0.89371	0.0397	0.10335	1.57E-03	2.67E-02	2.53E-04	3.26E-04	2.88E-02	1.43E-03	2.70E-08	3.37E-06	8.90E-06	1.44E-03	1.81E-03	2.67E-02	2.53E-04	3.26E-04	2.91E-02
951	490636.72	3861035.12	0.42907	0.88267	0.0426	0.10268	1.60E-03	2.63E-02	2.72E-04	3.24E-04	2.85E-02	1.46E-03	2.67E-08	3.63E-06	8.84E-06	1.47E-03	1.85E-03	2.63E-02	2.72E-04	3.24E-04	2.88E-02
952	490686.72	3861035.12	0.4343	0.87046	0.0426	0.10073	1.62E-03	2.60E-02	2.72E-04	3.18E-04	2.82E-02	1.47E-03	2.63E-08	3.62E-06	8.67E-06	1.49E-03	1.87E-03	2.60E-02	2.72E-04	3.18E-04	2.84E-02
953	490736.72	3861035.12	0.42149	0.85837	0.0424	0.0978	1.57E-03	2.56E-02	2.70E-04	3.09E-04	2.78E-02	1.43E-03	2.59E-08	3.60E-06	8.42E-06	1.44E-03	1.82E-03	2.56E-02	2.70E-04	3.09E-04	2.80E-02
954	490786.72	3861035.12	0.42078	0.84621	0.0433	0.09588	1.57E-03	2.52E-02	2.76E-04	3.03E-04	2.74E-02	1.43E-03	2.56E-08	3.69E-06	8.26E-06	1.44E-03	1.82E-03	2.52E-02	2.76E-04	3.03E-04	2.76E-02
955	490836.72	3861035.12	0.42493	0.8346	0.0474	0.09551	1.59E-03	2.49E-02	3.02E-04	3.02E-04	2.71E-02	1.44E-03	2.52E-08	4.03E-06	8.22E-06	1.45E-03	1.83E-03	2.49E-02	3.02E-04	3.02E-04	2.73E-02
956	490086.72	3861085.12	0.40627	1.0013	0.0348	0.10323	1.52E-03	2.99E-02	2.22E-04	3.26E-04	3.19E-02	1.38E-03	3.02E-08	2.96E-06	8.89E-06	1.39E-03	1.75E-03	2.99E-02	2.22E-04	3.26E-04	3.22E-02
957	490136.72	3861085.12	0.41962	0.98316	0.0353	0.10387	1.57E-03	2.93E-02	2.25E-04	3.28E-04	3.15E-02	1.42E-03	2.97E-08	3.00E-06	8.94E-06	1.44E-03	1.81E-03	2.93E-02	2.25E-04	3.28E-04	3.17E-02
958	490186.72	3861085.12	0.40788	0.96829	0.036	0.10555	1.52E-03	2.89E-02	2.30E-04	3.33E-04	3.10E-02	1.38E-03	2.92E-08	3.06E-06	9.09E-06	1.40E-03	1.76E-03	2.89E-02	2.30E-04	3.33E-04	3.12E-02
959	490236.72	3861085.12	0.41037	0.94935	0.0365	0.10574	1.53E-03	2.83E-02	2.32E-04	3.34E-04	3.04E-02	1.39E-03	2.87E-08	3.10E-06	9.11E-06	1.41E-03	1.77E-03	2.83E-02	2.32E-04	3.34E-04	3.07E-02
960	490286.72	3861085.12	0.40482	0.93308	0.0363	0.10594	1.51E-03	2.78E-02	2.32E-04	3.34E-04	2.99E-02	1.37E-03	2.82E-08	3.09E-06	9.12E-06	1.39E-03	1.75E-03	2.78E-02	2.32E-04	3.34E-04	3.01E-02
961	490336.72	3861085.12	0.40126	0.91384	0.036	0.10713	1.50E-03	2.73E-02	2.29E-04	3.38E-04	2.93E-02	1.36E-03	2.76E-08	3.06E-06	9.22E-06	1.37E-03	1.73E-03	2.73E-02	2.29E-04	3.38E-04	2.96E-02
962	490386.72	3861085.12	0.39405	0.90549	0.0373	0.10771	1.47E-03	2.70E-02	2.38E-04	3.40E-04	2.91E-02	1.34E-03	2.73E-08	3.17E-06	9.27E-06	1.35E-03	1.70E-03	2.70E-02	2.38E-04	3.40E-04	2.93E-02
963	490436.72	3861085.12	0.38989	0.89941	0.0396	0.10682	1.45E-03	2.68E-02	2.53E-04	3.37E-04	2.89E-02	1.32E-03	2.72E-08	3.37E-06	9.20E-06	1.34E-03	1.68E-03	2.68E-02	2.53E-04	3.37E-04	2.91E-02
964	490486.72	3861085.12	0.38781	0.88861	0.0384	0.10421	1.45E-03	2.65E-02	2.45E-04	3.29E-04	2.85E-02	1.32E-03	2.68E-08	3.27E-06	8.97E-06	1.33E-03	1.67E-03	2.65E-02	2.45E-04	3.29E-04	2.88E-02
965	490536.72	3861085.12	0.40045	0.88267	0.0372	0.10053	1.49E-03	2.63E-02	2.37E-04	3.17E-04	2.84E-02	1.36E-03	2.67E-08	3.16E-06	8.66E-06	1.37E-03	1.73E-03	2.63E-02	2.37E-04	3.17E-04	2.86E-02
966	490586.72	3861085.12	0.41427	0.87258	0.0364	0.09888	1.55E-03	2.60E-02	2.32E-04	3.12E-04	2.81E-02	1.41E-03	2.64E-08	3.09E-06	8.51E-06	1.42E-03	1.79E-03	2.60E-02	2.32E-04	3.12E-04	2.84E-02
967	490636.72	3861085.12	0.41251	0.86234	0.0394	0.09854	1.54E-03	2.57E-02	2.52E-04	3.11E-04	2.78E-02	1.40E-03	2.60E-08	3.35E-06	8.49E-06	1.41E-03	1.78E-03	2.57E-02	2.52E-04	3.11E-04	2.81E-02
968	490686.72	3861085.12	0.42184	0.85151	0.0419	0.09792	1.57E-03	2.54E-02	2.67E-04	3.09E-04	2.76E-02	1.43E-03	2.57E-08	3.56E-06	8.43E-06	1.44E-03	1.82E-03	2.54E-02	2.67E-04	3.09E-04	2.78E-02
969	490736.72	3861085.12	0.42715	0.83712	0.0418	0.09678	1.59E-03	2.50E-02	2.67E-04	3.06E-04	2.71E-02	1.45E-03	2.53E-08	3.56E-06	8.33E-06	1.46E-03	1.84E-03	2.50E-02	2.67E-04	3.06E-04	2.74E-02
970	490786.72	3861085.12	0.41467	0.82092	0.0417	0.09461	1.55E-03	2.45E-02	2.66E-04	2.99E-04	2.66E-02	1.41E-03	2.48E-08	3.54E-06	8.15E-06	1.42E-03	1.79E-03	2.45E-02	2.66E-04	2.99E-04	2.68E-02
971	490836.72	3861085.12	0.41428	0.80511	0.0432	0.09258	1.55E-03	2.40E-02	2.75E-04	2.92E-04	2.61E-02	1.41E-03	2.43E-08	3.67E-06	7.97E-06	1.42E-03	1.79E-03	2.40E-02	2.75E-04	2.92E-04	2.64E-02
972	490086.72	3861135.12	0.41358	0.94181	0.0344	0.09872	1.54E-03	2.81E-02	2.19E-04	3.12E-04	3.02E-02	1.40E-03	2.84E-08	2.93E-06	8.50E-06	1.42E-03	1.78E-03	2.81E-02	2.19E-04	3.12E-04	3.04E-02

973	490136.72	3861135.12	0.40126	0.94511	0.0341	0.09778	1.50E-03	2.82E-02	2.18E-04	3.09E-04	3.02E-02	1.36E-03	2.85E-08	2.90E-06	8.42E-06	1.37E-03	1.73E-03	2.82E-02	2.18E-04	3.09E-04	3.05E-02
974	490186.72	3861135.12	0.41414	0.93927	0.0347	0.09782	1.55E-03	2.80E-02	2.22E-04	3.09E-04	3.01E-02	1.41E-03	2.84E-08	2.95E-06	8.42E-06	1.42E-03	1.79E-03	2.80E-02	2.22E-04	3.09E-04	3.03E-02
975	490236.72	3861135.12	0.39948	0.92528	0.0357	0.09915	1.49E-03	2.76E-02	2.28E-04	3.13E-04	2.96E-02	1.36E-03	2.79E-08	3.04E-06	8.54E-06	1.37E-03	1.72E-03	2.76E-02	2.28E-04	3.13E-04	2.99E-02
976	490286.72	3861135.12	0.40522	0.9069	0.0359	0.0995	1.51E-03	2.71E-02	2.29E-04	3.14E-04	2.91E-02	1.38E-03	2.74E-08	3.05E-06	8.57E-06	1.39E-03	1.75E-03	2.71E-02	2.29E-04	3.14E-04	2.93E-02
977	490336.72	3861135.12	0.39674	0.88995	0.0357	0.09975	1.48E-03	2.66E-02	2.28E-04	3.15E-04	2.86E-02	1.35E-03	2.69E-08	3.04E-06	8.59E-06	1.36E-03	1.71E-03	2.66E-02	2.28E-04	3.15E-04	2.88E-02
978	490386.72	3861135.12	0.39491	0.87203	0.0354	0.10087	1.47E-03	2.60E-02	2.26E-04	3.18E-04	2.80E-02	1.34E-03	2.63E-08	3.01E-06	8.69E-06	1.35E-03	1.70E-03	2.60E-02	2.26E-04	3.18E-04	2.83E-02
979	490436.72	3861135.12	0.38746	0.85615	0.0374	0.10184	1.45E-03	2.55E-02	2.38E-04	3.22E-04	2.75E-02	1.32E-03	2.59E-08	3.18E-06	8.77E-06	1.33E-03	1.67E-03	2.55E-02	2.38E-04	3.22E-04	2.78E-02
980	490486.72	3861135.12	0.38228	0.85067	0.0384	0.10123	1.43E-03	2.54E-02	2.45E-04	3.20E-04	2.74E-02	1.30E-03	2.57E-08	3.26E-06	8.72E-06	1.31E-03	1.65E-03	2.54E-02	2.45E-04	3.20E-04	2.76E-02
981	490536.72	3861135.12	0.38159	0.85044	0.0373	0.10021	1.42E-03	2.54E-02	2.38E-04	3.16E-04	2.73E-02	1.30E-03	2.57E-08	3.17E-06	8.63E-06	1.31E-03	1.65E-03	2.54E-02	2.38E-04	3.16E-04	2.76E-02
982	490586.72	3861135.12	0.39455	0.84249	0.0361	0.09793	1.47E-03	2.51E-02	2.30E-04	3.09E-04	2.71E-02	1.34E-03	2.54E-08	3.07E-06	8.43E-06	1.35E-03	1.70E-03	2.51E-02	2.30E-04	3.09E-04	2.74E-02
983	490636.72	3861135.12	0.40719	0.83256	0.0359	0.09534	1.52E-03	2.48E-02	2.29E-04	3.01E-04	2.69E-02	1.38E-03	2.51E-08	3.05E-06	8.21E-06	1.39E-03	1.76E-03	2.48E-02	2.29E-04	3.01E-04	2.71E-02
984	490686.72	3861135.12	0.40545	0.82561	0.0392	0.09474	1.51E-03	2.46E-02	2.50E-04	2.99E-04	2.67E-02	1.38E-03	2.49E-08	3.34E-06	8.16E-06	1.39E-03	1.75E-03	2.46E-02	2.50E-04	2.99E-04	2.69E-02
985	490736.72	3861135.12	0.41563	0.81844	0.0412	0.09445	1.55E-03	2.44E-02	2.62E-04	2.98E-04	2.65E-02	1.41E-03	2.47E-08	3.50E-06	8.13E-06	1.42E-03	1.79E-03	2.44E-02	2.62E-04	2.98E-04	2.68E-02
986	490786.72	3861135.12	0.42075	0.80512	0.0411	0.09481	1.57E-03	2.40E-02	2.62E-04	2.99E-04	2.62E-02	1.43E-03	2.43E-08	3.49E-06	8.16E-06	1.44E-03	1.82E-03	2.40E-02	2.62E-04	2.99E-04	2.64E-02
987	490836.72	3861135.12	0.40813	0.79092	0.041	0.09173	1.52E-03	2.36E-02	2.62E-04	2.90E-04	2.57E-02	1.39E-03	2.39E-08	3.49E-06	7.90E-06	1.40E-03	1.76E-03	2.36E-02	2.62E-04	2.90E-04	2.59E-02
988	490086.72	3861185.12	0.42129	0.89646	0.0339	0.09631	1.57E-03	2.67E-02	2.16E-04	3.04E-04	2.88E-02	1.43E-03	2.71E-08	2.89E-06	8.29E-06	1.44E-03	1.82E-03	2.67E-02	2.16E-04	3.04E-04	2.91E-02
989	490136.72	3861185.12	0.40316	0.88813	0.0336	0.09388	1.50E-03	2.65E-02	2.14E-04	2.96E-04	2.85E-02	1.37E-03	2.68E-08	2.86E-06	8.08E-06	1.38E-03	1.74E-03	2.65E-02	2.14E-04	2.96E-04	2.87E-02
990	490186.72	3861185.12	0.39631	0.88339	0.0336	0.09252	1.48E-03	2.64E-02	2.14E-04	2.92E-04	2.83E-02	1.35E-03	2.67E-08	2.86E-06	7.97E-06	1.36E-03	1.71E-03	2.64E-02	2.14E-04	2.92E-04	2.86E-02
991	490236.72	3861185.12	0.40657	0.88875	0.0344	0.09177	1.52E-03	2.65E-02	2.19E-04	2.90E-04	2.85E-02	1.38E-03	2.68E-08	2.93E-06	7.90E-06	1.39E-03	1.75E-03	2.65E-02	2.19E-04	2.90E-04	2.88E-02
992	490286.72	3861185.12	0.39111	0.88128	0.0354	0.09312	1.46E-03	2.63E-02	2.26E-04	2.94E-04	2.83E-02	1.33E-03	2.66E-08	3.01E-06	8.02E-06	1.34E-03	1.69E-03	2.63E-02	2.26E-04	2.94E-04	2.85E-02
993	490336.72	3861185.12	0.39758	0.86244	0.0352	0.09351	1.48E-03	2.57E-02	2.25E-04	2.95E-04	2.77E-02	1.35E-03	2.60E-08	3.00E-06	8.05E-06	1.36E-03	1.72E-03	2.57E-02	2.25E-04	2.95E-04	2.80E-02
994	490386.72	3861185.12	0.3884	0.84928	0.0351	0.09408	1.45E-03	2.53E-02	2.24E-04	2.97E-04	2.73E-02	1.32E-03	2.56E-08	2.99E-06	8.10E-06	1.33E-03	1.68E-03	2.53E-02	2.24E-04	2.97E-04	2.75E-02
995	490436.72	3861185.12	0.38783	0.83362	0.0348	0.09534	1.45E-03	2.49E-02	2.22E-04	3.01E-04	2.68E-02	1.32E-03	2.52E-08	2.96E-06	8.21E-06	1.33E-03	1.67E-03	2.49E-02	2.22E-04	3.01E-04	2.71E-02
996	490486.72	3861185.12	0.38082	0.82067	0.0374	0.09611	1.42E-03	2.45E-02	2.39E-04	3.03E-04	2.64E-02	1.29E-03	2.48E-08	3.18E-06	8.28E-06	1.30E-03	1.64E-03	2.45E-02	2.39E-04	3.03E-04	2.67E-02
997	490536.72	3861185.12	0.37543	0.81238	0.0372	0.09624	1.40E-03	2.42E-02	2.37E-04	3.04E-04	2.62E-02	1.27E-03	2.45E-08	3.16E-06	8.29E-06	1.29E-03	1.62E-03	2.42E-02	2.37E-04	3.04E-04	2.64E-02
998	490586.72	3861185.12	0.37555	0.80547	0.0363	0.09604	1.40E-03	2.40E-02	2.31E-04	3.03E-04	2.60E-02	1.27E-03	2.43E-08	3.09E-06	8.27E-06	1.29E-03	1.62E-03	2.40E-02	2.31E-04	3.03E-04	2.62E-02
999	490636.72	3861185.12	0.38862	0.80192	0.0353	0.09554	1.45E-03	2.39E-02	2.25E-04	3.02E-04	2.59E-02	1.32E-03	2.42E-08	3.00E-06	8.23E-06	1.33E-03	1.68E-03	2.39E-02	2.25E-04	3.02E-04	2.61E-02
1000	490686.72	3861185.12	0.40074	0.79835	0.0356	0.09243	1.50E-03	2.38E-02	2.27E-04	2.92E-04	2.58E-02	1.36E-03	2.41E-08	3.03E-06	7.96E-06	1.37E-03	1.73E-03	2.38E-02	2.27E-04	2.92E-04	2.61E-02
1001	490736.72	3861185.12	0.39897	0.79218	0.0391	0.09074	1.49E-03	2.36E-02	2.49E-04	2.86E-04	2.57E-02	1.35E-03	2.39E-08	3.32E-06	7.81E-06	1.37E-03	1.72E-03	2.36E-02	2.49E-04	2.86E-04	2.59E-02
1002	490786.72	3861185.12	0.40988	0.78357	0.0405	0.09132	1.53E-03	2.34E-02	2.58E-04	2.88E-04	2.55E-02	1.39E-03	2.37E-08	3.44E-06	7.86E-06	1.40E-03	1.77E-03	2.34E-02	2.58E-04	2.88E-04	2.57E-02
1003	490836.72	3861185.12	0.41457	0.77667	0.0404	0.09174	1.55E-03	2.32E-02	2.58E-04	2.90E-04	2.53E-02	1.41E-03	2.35E-08	3.44E-06	7.90E-06	1.42E-03	1.79E-03	2.32E-02	2.58E-04	2.90E-04	2.55E-02
1004	490086.72	3861235.12	0.42345	0.87587	0.0339	0.09006	1.58E-03	2.61E-02	2.16E-04	2.84E-04	2.82E-02	1.44E-03	2.64E-08	2.88E-06	7.76E-06	1.45E-03	1.83E-03	2.61E-02	2.16E-04	2.84E-04	2.85E-02
1005	490136.72	3861235.12	0.41106	0.85367	0.0332	0.09062	1.53E-03	2.55E-02	2.11E-04	2.86E-04	2.75E-02	1.40E-03	2.58E-08	2.82E-06	7.80E-06	1.41E-03	1.77E-03	2.55E-02	2.11E-04	2.86E-04	2.77E-02
1006	490186.72	3861235.12	0.39487	0.85013	0.0329	0.09048	1.47E-03	2.54E-02	2.10E-04	2.86E-04	2.73E-02	1.34E-03	2.57E-08	2.80E-06	7.79E-06	1.35E-03	1.70E-03	2.54E-02	2.10E-04	2.86E-04	2.76E-02
1007	490236.72	3861235.12	0.39187	0.83593	0.0337	0.08793	1.46E-03	2.49E-02	2.15E-04	2.78E-04	2.69E-02	1.33E-03	2.52E-08	2.87E-06	7.57E-06	1.34E-03	1.69E-03	2.49E-02	2.15E-04	2.78E-04	2.71E-02
1008	490386.72	3861235.12	0.39036	0.82738	0.0346	0.08822	1.46E-03	2.47E-02	2.21E-04	2.79E-04	2.66E-02	1.33E-03	2.50E-08	2.95E-06	7.60E-06	1.34E-03	1.68E-03	2.47E-02	2.21E-04	2.79E-04	2.69E-02
1009	490436.72	3861235.12	0.38024	0.80755	0.0344	0.0888	1.42E-03	2.41E-02	2.20E-04	2.80E-04	2.60E-02	1.29E-03	2.44E-08	2.93E-06	7.65E-06	1.30E-03	1.64E-03	2.41E-02	2.20E-04	2.80E-04	2.62E-02
1010	490486.72	3861235.12	0.37984	0.79629	0.0346	0.09005	1.42E-03	2.38E-02	2.21E-04	2.84E-04	2.57E-02	1.29E-03	2.40E-08	2.94E-06	7.75E-06	1.30E-03	1.64E-03	2.38E-02	2.21E-04	2.84E-04	2.59E-02
1011	490536.72	3861235.12	0.37531	0.78928	0.0375	0.09097	1.40E-03	2.35E-02	2.39E-04	2.87E-04	2.55E-02	1.27E-03	2.38E-08	3.19E-06	7.83E-06	1.29E-03	1.62E-03	2.35E-02	2.39E-04	2.87E-04	2.57E-02
1012	490586.72	3861235.12	0.36851	0.78185	0.0361	0.09219	1.38E-03	2.33E-02	2.30E-04	2.91E-04	2.52E-02	1.25E-03	2.36E-08	3.07E-06	7.94E-06	1.26E-03	1.59E-03	2.33E-02	2.30E-04	2.91E-04	2.54E-02
1013	490636.72	3861235.12	0.36825	0.76817	0.0355	0.09193	1.37E-03	2.29E-02	2.26E-04	2.90E-04	2.48E-02	1.25E-03	2.32E-08	3.02E-06	7.92E-06	1.26E-03	1.59E-03	2.29E-02	2.26E-04	2.90E-04	2.50E-02
1014	490686.72	3861235.12	0.38329	0.76326	0.0349	0.09185	1.43E-03	2.28E-02	2.22E-04	2.90E-04	2.47E-02	1.30E-03	2.30E-08	2.97E-06	7.91E-06	1.31E-03	1.65E-03	2.28E-02	2.22E-04	2.90E-04	2.49E-02
1015	490736.72	3861235.12	0.39516	0.76061	0.0355	0.09001	1.47E-03	2.27E-02	2.27E-04	2.84E-04	2.47E-02	1.34E-03	2.30E-08	3.02E-06	7.75E-06	1.35E-03	1.71E-03	2.27E-02	2.27E-04	2.84E-04	2.49E-02
1016	490786.72	3861235.12	0.39289	0.76158	0.0389	0.08771	1.47E-03	2.27E-02	2.48E-04	2.77E-04	2.47E-02	1.33E-03	2.30E-08	3.31E-06	7.55E-06	1.34E-03	1.70E-03	2.27E-02	2.48E-04	2.77E-04	2.49E-02
1017	490836.72	3861235.12	0.40421	0.75782	0.0398	0.08832	1.51E-03	2.26E-02	2.54E-04	2.79E-04	2.46E-02	1.37E-03	2.29E-08	3.39E-06	7.61E-06	1.38E-03	1.74E-03	2.26E-02	2.54E-04	2.79E-04	2.49E-02
1018	490086.72	3861285.12	0.41205	0.86382	0.0339	0.08598	1.54E-03	2.58E-02	2.16E-04	2.71E-04	2.78E-02	1.40E-03	2.61E-08	2.88E-06	7.40E-06	1.41E-03	1.78E-03	2.58E-02	2.16E-04	2.71E-04	2.80E-02
1019	490136.72	3861285.12	0.41966	0.83721	0.033	0.08506	1.57E-03	2.50E-02	2.10E-04	2.69E-04	2.70E-02	1.42E-03	2.53E-08	2.80E-06	7.32E-06	1.43E-03	1.81E-03	2.50E-02	2.10E-04	2.69E-04	2.73E-02
1020	490186.72	3861285.12	0.40324	0.82279	0.0324	0.08495	1.50E-03	2.45E-02	2.07E-04	2.68E-04	2.65E-02	1.37E-03	2.48E-08	2.76E-06	7.32E-06	1.38E-03	1.74E-03	2.45E-02	2.07E-04	2.68E-04	2.68E-02
1021	490236.72	3861285.12	0.38738	0.8074	0.0323	0.08534	1.45E-03	2.41E-02	2.06E-04	2.69E-04	2.60E-02	1.32E-03	2.44E-08	2.75E-06	7.35E-06	1.33E-03	1.67E-03	2.41E-02	2.06E-04	2.69E-04	2.62E-02
1022	490386.72	3861285.12	0.3763	0.79134	0.0343	0.08238	1.40E-03	2.36E-02	2.19E-04	2.60E-04	2.55E-02	1.28E-03	2.39E-08	2.92E-06	7.09E-06	1.29E-03	1.62E-03	2.36E-02	2.19E-04	2.60E-04	2.57E-02
1023	490436.72	3861285.12	0.38412	0.78929	0.0341	0.08355	1.43E-03	2.35E-02	2.18E-04	2.64E-04	2.55E-02	1.30E-03	2.38E-08	2.90E-06	7.19E-06	1.31E-03	1.66E-03	2.35E-02	2.18E-04	2.64E-04	2.57E-02
1024	490486.72	3861285.12	0.37368	0.7826	0.0339	0.08415	1.39E-03	2.33E-02	2.16E-04	2.66E-04	2.52E-02	1.27E-03	2.36E-08	2.88E-06	7.25E-06	1.28E-03	1.61E-03	2.33E-02	2.16E-04	2.66E-04	2.54E-02
1025	490536.72	3861285.12	0.37496	0.7655	0.0346	0.0854	1.40E-03	2.28E-02	2.21E-04	2.70E-04	2.47E-02	1.27E-03	2.31E-08	2.94E-06	7.35E-06	1.28E-03	1.62E-03	2.28E-02	2.21E-04	2.70E-04	2.49E-02
1026	490586.72	3861285.12	0.36907	0.75744	0.0366	0.08651	1.38E-03	2.26E-02	2.33E-04	2.73E-04	2.45E-02	1.25E-03	2.29E-08	3.11E-06	7.45E-06	1.26E-03	1.59E-03	2.26E-02	2.33E-04	2.73E-04	2.47E-02
1027	490636.72	3861285.12	0.36063	0.74738	0.0352	0.08763	1.35E-03	2.23E-02	2.24E-04	2.77E-04	2.41E-02	1.22E-03	2.26E-08	2.99E-06	7.55E-06	1.23E-03	1.56E-03	2.23E-02	2.24E-04	2.77E-04	2.44E-02
1028	490686.72	3861285.12	0.36177	0.73897	0.0347	0.08766	1.35E-03	2.20E-02	2.21E-04	2.77E-04	2.39E-02	1.23E-03	2.23E-08	2.95E-06	7.55E-06	1.24E-03	1.56E-03	2.20E-02	2.21E-04	2.77E-04	2.41E-02
1029	490736.72	3861285.12	0.37892	0.73386	0.0345	0.08765	1.41E-03	2.19E-02	2.20E-04	2.77E-04	2.38E-02	1.29E-03	2.22E-08	2.94E-06	7.55E-06	1.30E-03	1.64E-03	2.19E-02	2.20E-04	2.77E-04	2.40E-02
1030	490786.72	3861285.12	0.38908	0.72916	0.0355	0.08776	1.45E-03	2.18E-02	2.26E-04	2.77E-04	2.37E-02	1.32E-03	2.20E-08	3.02E-06	7.56E-06	1.33E-03	1.68E-03	2.18E-02	2.26E-04	2.77E-04	2.39E-02
1031	490836.72	3861285.12	0.38593	0.72358	0.0387	0.08526	1.44E-03	2.16E-02	2.47E-04	2.69E-04	2.35E-02	1.31E-03	2.19E-08	3.29E-06	7.34E-06	1.32E-03	1.67E-03	2.16E-02	2.47E-04	2.69E-04	2.38E-02
1032	490061.24	3859716.13	0.61309	1.74404	0.1615	0.25915	2.29E-03	5.20E-02	1.03E-03	8.18E-04	5.62E-02	2.08E-03	5.27E-08	1.37E-05	2.23E-05	2.12E-03	2.65E-03	5.20E-02	1.03E-03	8.18E-04	5.65E-02
1033	490111.24	3859716.13	0.59087	1.71141	0.1635	0.25351	2.20E-03	5.11E-02	1.04E-03	8.00E-04	5.51E-02	2.01E-03	5.17E-08	1.39E-05	2.18E-05	2.04E-03	2.55E-03	5.11E-02	1.04E-03	8.00E-04	5.54E-02

1034	490161.24	3859716.13	0.5712	1.67325	0.1697	0.24859	2.13E-03	4.99E-02	1.08E-03	7.85E-04	5.39E-02	1.94E-03	5.05E-08	1.44E-05	2.14E-05	1.98E-03	2.46E-03	4.99E-02	1.08E-03	7.85E-04	5.43E-02
1035	490211.24	3859716.13	0.57105	1.63548	0.1766	0.24539	2.13E-03	4.88E-02	1.13E-03	7.75E-04	5.28E-02	1.94E-03	4.94E-08	1.50E-05	2.11E-05	1.97E-03	2.46E-03	4.88E-02	1.13E-03	7.75E-04	5.32E-02
1036	490061.24	3859766.13	0.60443	1.73851	0.1526	0.25206	2.26E-03	5.19E-02	9.73E-04	7.96E-04	5.59E-02	2.05E-03	5.25E-08	1.30E-05	2.17E-05	2.09E-03	2.61E-03	5.19E-02	9.73E-04	7.96E-04	5.62E-02
1037	490111.24	3859766.13	0.59778	1.71624	0.1535	0.24638	2.23E-03	5.12E-02	9.79E-04	7.78E-04	5.52E-02	2.03E-03	5.18E-08	1.31E-05	2.12E-05	2.06E-03	2.58E-03	5.12E-02	9.79E-04	7.78E-04	5.55E-02
1038	490161.24	3859766.13	0.58204	1.68718	0.1542	0.2428	2.17E-03	5.03E-02	9.84E-04	7.67E-04	5.43E-02	1.98E-03	5.09E-08	1.31E-05	2.09E-05	2.01E-03	2.51E-03	5.03E-02	9.84E-04	7.67E-04	5.46E-02
1039	490211.24	3859766.13	0.56107	1.65066	0.1601	0.23899	2.09E-03	4.92E-02	1.02E-03	7.55E-04	5.31E-02	1.90E-03	4.98E-08	1.36E-05	2.06E-05	1.94E-03	2.42E-03	4.92E-02	1.02E-03	7.55E-04	5.34E-02
1040	490061.24	3859816.13	0.6014	1.7606	0.1357	0.24971	2.24E-03	5.25E-02	8.66E-04	7.88E-04	5.64E-02	2.04E-03	5.32E-08	1.15E-05	2.15E-05	2.07E-03	2.60E-03	5.25E-02	8.66E-04	7.88E-04	5.68E-02
1041	490111.24	3859816.13	0.59074	1.72566	0.1461	0.24669	2.20E-03	5.15E-02	9.32E-04	7.79E-04	5.54E-02	2.01E-03	5.21E-08	1.24E-05	2.12E-05	2.04E-03	2.55E-03	5.15E-02	9.32E-04	7.79E-04	5.57E-02
1042	490161.24	3859816.13	0.58387	1.68377	0.1469	0.24387	2.18E-03	5.02E-02	9.37E-04	7.70E-04	5.41E-02	1.98E-03	5.08E-08	1.25E-05	2.10E-05	2.02E-03	2.52E-03	5.02E-02	9.37E-04	7.70E-04	5.45E-02
1043	490211.24	3859816.13	0.57552	1.64888	0.147	0.23946	2.15E-03	4.92E-02	9.37E-04	7.56E-04	5.30E-02	1.95E-03	4.98E-08	1.25E-05	2.06E-05	1.99E-03	2.48E-03	4.92E-02	9.37E-04	7.56E-04	5.34E-02
1044	490061.24	3859866.13	0.61426	1.78309	0.1199	0.25449	2.29E-03	5.32E-02	7.65E-04	8.04E-04	5.71E-02	2.09E-03	5.38E-08	1.02E-05	2.19E-05	2.12E-03	2.65E-03	5.32E-02	7.65E-04	8.04E-04	5.74E-02
1045	490111.24	3859866.13	0.59192	1.74942	0.1311	0.24833	2.21E-03	5.22E-02	8.36E-04	7.84E-04	5.60E-02	2.01E-03	5.28E-08	1.12E-05	2.14E-05	2.04E-03	2.55E-03	5.22E-02	8.36E-04	7.84E-04	5.64E-02
1046	490161.24	3859866.13	0.58085	1.70571	0.1402	0.24433	2.17E-03	5.09E-02	8.94E-04	7.71E-04	5.47E-02	1.97E-03	5.15E-08	1.19E-05	2.10E-05	2.01E-03	2.51E-03	5.09E-02	8.94E-04	7.71E-04	5.51E-02
1047	490211.24	3859866.13	0.57246	1.66021	0.143	0.24064	2.14E-03	4.95E-02	9.12E-04	7.60E-04	5.33E-02	1.94E-03	5.01E-08	1.22E-05	2.07E-05	1.98E-03	2.47E-03	4.95E-02	9.12E-04	7.60E-04	5.37E-02
1048	490061.24	3859916.13	0.62883	1.7845	0.1119	0.2588	2.35E-03	5.32E-02	7.13E-04	8.17E-04	5.71E-02	2.13E-03	5.39E-08	9.51E-06	2.23E-05	2.17E-03	2.71E-03	5.32E-02	7.13E-04	8.17E-04	5.75E-02
1049	490111.24	3859916.13	0.60374	1.75913	0.1149	0.2533	2.25E-03	5.25E-02	7.33E-04	8.00E-04	5.63E-02	2.05E-03	5.31E-08	9.77E-06	2.18E-05	2.08E-03	2.61E-03	5.25E-02	7.33E-04	8.00E-04	5.66E-02
1050	490161.24	3859916.13	0.58274	1.71312	0.1256	0.24843	2.17E-03	5.11E-02	8.01E-04	7.84E-04	5.49E-02	1.98E-03	5.17E-08	1.07E-05	2.14E-05	2.01E-03	2.51E-03	5.11E-02	8.01E-04	7.84E-04	5.52E-02
1051	490211.24	3859916.13	0.57057	1.66938	0.1346	0.24434	2.13E-03	4.98E-02	8.58E-04	7.71E-04	5.36E-02	1.94E-03	5.04E-08	1.14E-05	2.10E-05	1.97E-03	2.46E-03	4.98E-02	8.58E-04	7.71E-04	5.39E-02
1052	490229.25	3859815.26	0.56511	1.64095	0.1482	0.23788	2.11E-03	4.90E-02	9.45E-04	7.51E-04	5.28E-02	1.92E-03	4.96E-08	1.26E-05	2.05E-05	1.95E-03	2.44E-03	4.90E-02	9.45E-04	7.51E-04	5.31E-02
1053	490279.25	3859815.26	0.54616	1.61918	0.1534	0.23288	2.04E-03	4.83E-02	9.78E-04	7.35E-04	5.21E-02	1.85E-03	4.89E-08	1.30E-05	2.01E-05	1.89E-03	2.36E-03	4.83E-02	9.78E-04	7.35E-04	5.24E-02
1054	490329.25	3859815.26	0.54748	1.59718	0.1606	0.22919	2.04E-03	4.76E-02	1.02E-03	7.24E-04	5.14E-02	1.86E-03	4.82E-08	1.37E-05	1.97E-05	1.89E-03	2.36E-03	4.76E-02	1.02E-03	7.24E-04	5.18E-02
1055	490379.25	3859815.26	0.5322	1.5736	0.167	0.22547	1.99E-03	4.69E-02	1.06E-03	7.12E-04	5.07E-02	1.81E-03	4.75E-08	1.42E-05	1.94E-05	1.84E-03	2.30E-03	4.69E-02	1.06E-03	7.12E-04	5.10E-02
1056	490429.25	3859815.26	0.53201	1.54537	0.1692	0.22227	1.99E-03	4.61E-02	1.08E-03	7.02E-04	4.99E-02	1.81E-03	4.67E-08	1.44E-05	1.91E-05	1.84E-03	2.30E-03	4.61E-02	1.08E-03	7.02E-04	5.02E-02
1057	490229.25	3859865.26	0.57242	1.64529	0.1421	0.23898	2.14E-03	4.91E-02	9.06E-04	7.55E-04	5.29E-02	1.94E-03	4.97E-08	1.21E-05	2.06E-05	1.98E-03	2.47E-03	4.91E-02	9.06E-04	7.55E-04	5.32E-02
1058	490279.25	3859865.26	0.55797	1.6136	0.1404	0.23519	2.08E-03	4.81E-02	8.95E-04	7.43E-04	5.19E-02	1.89E-03	4.87E-08	1.19E-05	2.03E-05	1.93E-03	2.41E-03	4.81E-02	8.95E-04	7.43E-04	5.22E-02
1059	490329.25	3859865.26	0.53768	1.58774	0.1452	0.23086	2.01E-03	4.74E-02	9.26E-04	7.29E-04	5.10E-02	1.83E-03	4.79E-08	1.23E-05	1.99E-05	1.86E-03	2.32E-03	4.74E-02	9.26E-04	7.29E-04	5.13E-02
1060	490379.25	3859865.26	0.53619	1.56547	0.1513	0.22729	2.00E-03	4.67E-02	9.65E-04	7.18E-04	5.04E-02	1.82E-03	4.73E-08	1.29E-05	1.96E-05	1.85E-03	2.31E-03	4.67E-02	9.65E-04	7.18E-04	5.07E-02
1061	490429.25	3859865.26	0.52034	1.54203	0.158	0.22377	1.94E-03	4.60E-02	1.01E-03	7.07E-04	4.97E-02	1.77E-03	4.66E-08	1.34E-05	1.93E-05	1.80E-03	2.25E-03	4.60E-02	1.01E-03	7.07E-04	5.00E-02
1062	490229.25	3859915.26	0.56757	1.6585	0.1353	0.2421	2.12E-03	4.95E-02	8.63E-04	7.64E-04	5.32E-02	1.93E-03	5.01E-08	1.15E-05	2.08E-05	1.96E-03	2.45E-03	4.95E-02	8.63E-04	7.64E-04	5.36E-02
1063	490279.25	3859915.26	0.55907	1.62987	0.1382	0.23608	2.09E-03	4.86E-02	8.82E-04	7.45E-04	5.23E-02	1.90E-03	4.92E-08	1.18E-05	2.03E-05	1.93E-03	2.41E-03	4.86E-02	8.82E-04	7.45E-04	5.27E-02
1064	490329.25	3859915.26	0.55247	1.59861	0.134	0.23232	2.06E-03	4.77E-02	8.55E-04	7.34E-04	5.13E-02	1.88E-03	4.83E-08	1.14E-05	2.00E-05	1.91E-03	2.38E-03	4.77E-02	8.55E-04	7.34E-04	5.17E-02
1065	490379.25	3859915.26	0.53162	1.5673	0.1379	0.22697	1.98E-03	4.68E-02	8.79E-04	7.17E-04	5.03E-02	1.80E-03	4.73E-08	1.17E-05	1.95E-05	1.84E-03	2.29E-03	4.68E-02	8.79E-04	7.17E-04	5.06E-02
1066	490429.25	3859915.26	0.52219	1.53442	0.1427	0.22309	1.95E-03	4.58E-02	9.10E-04	7.04E-04	4.93E-02	1.77E-03	4.63E-08	1.21E-05	1.92E-05	1.80E-03	2.25E-03	4.58E-02	9.10E-04	7.04E-04	4.96E-02
1067	490451.43	3859872.59	0.51922	1.53174	0.1583	0.2215	1.94E-03	4.57E-02	1.01E-03	6.99E-04	4.93E-02	1.76E-03	4.63E-08	1.35E-05	1.91E-05	1.80E-03	2.24E-03	4.57E-02	1.01E-03	6.99E-04	4.96E-02
1068	490501.43	3859872.59	0.5184	1.50425	0.1594	0.21795	1.93E-03	4.49E-02	1.02E-03	6.88E-04	4.85E-02	1.76E-03	4.54E-08	1.36E-05	1.88E-05	1.79E-03	2.24E-03	4.49E-02	1.02E-03	6.88E-04	4.88E-02
1069	490551.43	3859872.59	0.52024	1.47415	0.1673	0.21398	1.94E-03	4.40E-02	1.07E-03	6.76E-04	4.77E-02	1.77E-03	4.45E-08	1.42E-05	1.84E-05	1.80E-03	2.24E-03	4.40E-02	1.07E-03	6.76E-04	4.80E-02
1070	490601.43	3859872.59	0.50432	1.44191	0.1716	0.20981	1.88E-03	4.30E-02	1.09E-03	6.62E-04	4.67E-02	1.71E-03	4.35E-08	1.46E-05	1.81E-05	1.74E-03	2.18E-03	4.30E-02	1.09E-03	6.62E-04	4.70E-02
1071	490451.43	3859922.59	0.52319	1.52205	0.1444	0.22241	1.95E-03	4.54E-02	9.21E-04	7.02E-04	4.90E-02	1.78E-03	4.60E-08	1.23E-05	1.92E-05	1.81E-03	2.26E-03	4.54E-02	9.21E-04	7.02E-04	4.93E-02
1072	490501.43	3859922.59	0.50706	1.49574	0.15	0.21862	1.89E-03	4.46E-02	9.57E-04	6.90E-04	4.82E-02	1.72E-03	4.52E-08	1.28E-05	1.88E-05	1.75E-03	2.19E-03	4.46E-02	9.57E-04	6.90E-04	4.85E-02
1073	490551.43	3859922.59	0.51122	1.47038	0.1553	0.21484	1.91E-03	4.39E-02	9.91E-04	6.78E-04	4.74E-02	1.74E-03	4.44E-08	1.32E-05	1.85E-05	1.77E-03	2.21E-03	4.39E-02	9.91E-04	6.78E-04	4.77E-02
1074	490601.43	3859922.59	0.509	1.44503	0.1591	0.21187	1.90E-03	4.31E-02	1.01E-03	6.69E-04	4.67E-02	1.73E-03	4.36E-08	1.35E-05	1.82E-05	1.76E-03	2.20E-03	4.31E-02	1.01E-03	6.69E-04	4.70E-02
1075	482129.67	3852241.07	0.56436	0.15839	0.019	0.04217	2.11E-03	4.73E-03	1.21E-04	1.33E-04	7.09E-03	1.92E-03	4.78E-09	1.62E-06	3.63E-06	1.92E-03	2.44E-03	4.73E-03	1.21E-04	1.33E-04	7.42E-03
1076	482029.67	3852291.07	0.58603	0.17018	0.018	0.044	2.19E-03	5.08E-03	1.15E-04	1.39E-04	7.52E-03	1.99E-03	5.14E-09	1.53E-06	3.79E-06	1.99E-03	2.53E-03	5.08E-03	1.15E-04	1.39E-04	7.86E-03
1077	482079.67	3852291.07	0.56402	0.16564	0.0182	0.04329	2.10E-03	4.94E-03	1.16E-04	1.37E-04	7.30E-03	1.91E-03	5.00E-09	1.55E-06	3.73E-06	1.92E-03	2.43E-03	4.94E-03	1.16E-04	1.37E-04	7.63E-03
1078	482129.67	3852291.07	0.56734	0.16372	0.019	0.04271	2.12E-03	4.88E-03	1.21E-04	1.35E-04	7.26E-03	1.93E-03	4.94E-09	1.62E-06	3.68E-06	1.93E-03	2.45E-03	4.88E-03	1.21E-04	1.35E-04	7.59E-03
1079	482179.67	3852291.07	0.57572	0.15876	0.0192	0.04217	2.15E-03	4.74E-03	1.22E-04	1.33E-04	7.14E-03	1.95E-03	4.79E-09	1.63E-06	3.63E-06	1.96E-03	2.48E-03	4.74E-03	1.22E-04	1.33E-04	7.48E-03
1080	482229.67	3852291.07	0.58638	0.15736	0.0189	0.0417	2.19E-03	4.69E-03	1.21E-04	1.32E-04	7.13E-03	1.99E-03	4.75E-09	1.61E-06	3.59E-06	2.00E-03	2.53E-03	4.69E-03	1.21E-04	1.32E-04	7.48E-03
1081	482029.67	3852341.07	0.60335	0.17552	0.018	0.04451	2.25E-03	5.24E-03	1.15E-04	1.41E-04	7.74E-03	2.05E-03	5.30E-09	1.53E-06	3.83E-06	2.05E-03	2.60E-03	5.24E-03	1.15E-04	1.41E-04	8.10E-03
1082	482079.67	3852341.07	0.59719	0.1717	0.0182	0.04414	2.23E-03	5.12E-03	1.16E-04	1.39E-04	7.61E-03	2.03E-03	5.19E-09	1.54E-06	3.80E-06	2.03E-03	2.58E-03	5.12E-03	1.16E-04	1.39E-04	7.95E-03
1083	482129.67	3852341.07	0.57411	0.1706	0.0183	0.04326	2.14E-03	5.09E-03	1.17E-04	1.37E-04	7.48E-03	1.95E-03	5.15E-09	1.55E-06	3.73E-06	1.95E-03	2.48E-03	5.09E-03	1.17E-04	1.37E-04	7.82E-03
1084	482179.67	3852341.07	0.57751	0.16401	0.0192	0.04273	2.15E-03	4.89E-03	1.22E-04	1.35E-04	7.31E-03	1.96E-03	4.95E-09	1.63E-06	3.68E-06	1.97E-03	2.49E-03	4.89E-03	1.22E-04	1.35E-04	7.64E-03
1085	482259.06	3852400.14	0.58328	0.17606	0.0195	0.0426	2.18E-03	5.25E-03	1.24E-04	1.35E-04	7.69E-03	1.98E-03	5.32E-09	1.66E-06	3.67E-06	1.99E-03	2.52E-03	5.25E-03	1.24E-04	1.35E-04	8.03E-03
1086	482309.06	3852400.14	0.6152	0.17128	0.0195	0.04207	2.30E-03	5.11E-03	1.25E-04	1.33E-04	7.66E-03	2.09E-03	5.17E-09	1.66E-06	3.62E-06	2.09E-03	2.65E-03	5.11E-03	1.25E-04	1.33E-04	8.02E-03
1087	482209.06	3852450.14	0.60801	0.17932	0.0185	0.04366	2.27E-03	5.35E-03	1.18E-04	1.38E-04	7.87E-03	2.06E-03	5.42E-09	1.58E-06	3.76E-06	2.07E-03	2.62E-03	5.35E-03	1.18E-04	1.38E-04	8.23E-03
1088	482259.06	3852450.14	0.5994	0.178	0.0188	0.04317	2.24E-03	5.31E-03	1.20E-04	1.36E-04	7.80E-03	2.03E-03	5.38E-09	1.60E-06	3.72E-06	2.04E-03	2.59E-03	5.31E-03	1.20E-04	1.36E-04	8.15E-03
1089	482309.06	3852450.14	0.59871	0.17588	0.0196	0.04264	2.23E-03	5.25E-03	1.25E-04	1.35E-04	7.74E-03	2.03E-03	5.31E-09	1.66E-06	3.67E-06	2.04E-03	2.58E-03	5.25E-03	1.25E-04	1.35E-04	8.09E-03
1090	482209.06	3852500.14	0.64072	0.18575	0.0186	0.04449	2.39E-03	5.54E-03	1.18E-04	1.40E-04	8.19E-03	2.18E-03	5.61E-09	1.58E-06	3.83E-06	2.18E-03	2.76E-03	5.54E-03	1.18E-04	1.40E-04	8.57E-03
1091	482259.06	3852500.14	0.62058	0.18135	0.0187	0.04375	2.32E-03	5.41E-03	1.19E-04	1.38E-04	7.98E-03	2.11E-03	5.48E-09	1.59E-06	3.77E-06	2.11E-03	2.68E-03	5.41E-03	1.19E-04	1.38E-04	8.35E-03
1092	482309.06	3852500.14	0.61256	0.17959	0.0189	0.04323	2.29E-03	5.36E-03	1.20E-04	1.36E-04	7.90E-03	2.08E-03	5.42E-09	1.61E-06	3.72E-06	2.08E-03	2.64E-03	5.36E-03	1.20E-04	1.36E-04	8.26E-03
1093	482283.91	3852513.62	0.61769	0.18181	0.0187	0.04365	2.30E-03	5.42E-03	1.19E-04	1.38E-04	7.99E-03	2.10E-03	5.49E-09	1.59E-06	3.76E-06	2.10E-03	2.67E-03	5.42E-03	1.19E-04	1.38E-04	8.35E-03
1094	482333.91	3852513.62	0.61457	0.18232	0.019	0.04312	2.29E-03	5.44E-03	1.21E-04	1.36E-04	7.99E-03	2.09E-03	5.51E-09	1.62E-06	3.71E-06	2.09E-03	2.65E-03	5.44E-03	1.21E-04	1.36E-04	8.35E-03

1095	482283.91	3852563.62	0.65211	0.1889	0.0188	0.04425	2.43E-03	5.64E-03	1.20E-04	1.40E-04	8.33E-03	2.21E-03	5.70E-09	1.60E-06	3.81E-06	2.22E-03	2.81E-03	5.64E-03	1.20E-04	1.40E-04	8.71E-03
1096	482333.91	3852563.62	0.62877	0.18668	0.0189	0.04372	2.35E-03	5.57E-03	1.21E-04	1.38E-04	8.17E-03	2.13E-03	5.64E-09	1.61E-06	3.76E-06	2.14E-03	2.71E-03	5.57E-03	1.21E-04	1.38E-04	8.54E-03
1097	482383.91	3852563.62	0.62429	0.19009	0.0192	0.04392	2.33E-03	5.67E-03	1.22E-04	1.39E-04	8.26E-03	2.12E-03	5.74E-09	1.63E-06	3.78E-06	2.12E-03	2.69E-03	5.67E-03	1.22E-04	1.39E-04	8.63E-03
1098	482283.91	3852613.62	0.65912	0.19345	0.0187	0.04513	2.46E-03	5.77E-03	1.19E-04	1.42E-04	8.49E-03	2.24E-03	5.84E-09	1.59E-06	3.89E-06	2.24E-03	2.84E-03	5.77E-03	1.19E-04	1.42E-04	8.88E-03
1099	482333.91	3852613.62	0.66513	0.18998	0.0189	0.04433	2.48E-03	5.67E-03	1.21E-04	1.40E-04	8.41E-03	2.26E-03	5.74E-09	1.61E-06	3.82E-06	2.26E-03	2.87E-03	5.67E-03	1.21E-04	1.40E-04	8.80E-03
1100	482383.91	3852613.62	0.63997	0.19233	0.0191	0.04376	2.39E-03	5.74E-03	1.22E-04	1.38E-04	8.39E-03	2.17E-03	5.81E-09	1.62E-06	3.77E-06	2.18E-03	2.76E-03	5.74E-03	1.22E-04	1.38E-04	8.76E-03
1101	482602.38	3852600.87	0.67498	0.17244	0.02	0.04958	2.52E-03	5.14E-03	1.28E-04	1.57E-04	7.95E-03	2.29E-03	5.21E-09	1.70E-06	4.27E-06	2.30E-03	2.91E-03	5.14E-03	1.28E-04	1.57E-04	8.34E-03
1102	482652.38	3852600.87	0.6642	0.16762	0.0201	0.05036	2.48E-03	5.00E-03	1.28E-04	1.59E-04	7.77E-03	2.25E-03	5.06E-09	1.71E-06	4.34E-06	2.26E-03	2.87E-03	5.00E-03	1.28E-04	1.59E-04	8.15E-03
1103	482702.38	3852600.87	0.62253	0.15732	0.0202	0.05053	2.32E-03	4.69E-03	1.29E-04	1.60E-04	7.30E-03	2.11E-03	4.75E-09	1.72E-06	4.35E-06	2.12E-03	2.69E-03	4.69E-03	1.29E-04	1.60E-04	7.67E-03
1104	482552.38	3852650.87	0.69366	0.18763	0.0203	0.04873	2.59E-03	5.60E-03	1.29E-04	1.54E-04	8.47E-03	2.35E-03	5.67E-09	1.72E-06	4.20E-06	2.36E-03	2.99E-03	5.60E-03	1.29E-04	1.54E-04	8.87E-03
1105	482602.38	3852650.87	0.71579	0.18358	0.0204	0.04993	2.67E-03	5.48E-03	1.30E-04	1.58E-04	8.44E-03	2.43E-03	5.54E-09	1.73E-06	4.30E-06	2.44E-03	3.09E-03	5.48E-03	1.30E-04	1.58E-04	8.85E-03
1106	482652.38	3852650.87	0.6848	0.17569	0.0202	0.05071	2.56E-03	5.24E-03	1.29E-04	1.60E-04	8.09E-03	2.32E-03	5.31E-09	1.72E-06	4.37E-06	2.33E-03	2.95E-03	5.24E-03	1.29E-04	1.60E-04	8.49E-03
1107	482702.38	3852650.87	0.67863	0.17184	0.0203	0.05141	2.53E-03	5.13E-03	1.29E-04	1.62E-04	7.95E-03	2.30E-03	5.19E-09	1.72E-06	4.43E-06	2.31E-03	2.93E-03	5.13E-03	1.29E-04	1.62E-04	8.35E-03
1108	482552.38	3852700.87	0.66975	0.19295	0.02	0.04917	2.50E-03	5.76E-03	1.27E-04	1.55E-04	8.54E-03	2.27E-03	5.83E-09	1.70E-06	4.23E-06	2.28E-03	2.89E-03	5.76E-03	1.27E-04	1.55E-04	8.93E-03
1109	482602.38	3852700.87	0.7093	0.1944	0.0205	0.05065	2.65E-03	5.80E-03	1.30E-04	1.60E-04	8.74E-03	2.41E-03	5.87E-09	1.74E-06	4.36E-06	2.41E-03	3.06E-03	5.80E-03	1.30E-04	1.60E-04	9.15E-03
1110	482652.38	3852700.87	0.7316	0.19067	0.0207	0.0513	2.73E-03	5.69E-03	1.32E-04	1.62E-04	8.71E-03	2.48E-03	5.76E-09	1.76E-06	4.42E-06	2.49E-03	3.16E-03	5.69E-03	1.32E-04	1.62E-04	9.14E-03
1111	482702.38	3852700.87	0.69468	0.18545	0.0205	0.05216	2.59E-03	5.53E-03	1.31E-04	1.65E-04	8.42E-03	2.36E-03	5.60E-09	1.75E-06	4.49E-06	2.36E-03	3.00E-03	5.53E-03	1.31E-04	1.65E-04	8.83E-03
1112	482452.38	3852750.87	0.71276	0.20652	0.0192	0.04628	2.66E-03	6.16E-03	1.23E-04	1.46E-04	9.09E-03	2.42E-03	6.24E-09	1.64E-06	3.99E-06	2.43E-03	3.08E-03	6.16E-03	1.23E-04	1.46E-04	9.51E-03
1113	482521.29	3852749.74	0.67834	0.1998	0.0195	0.04813	2.53E-03	5.96E-03	1.24E-04	1.52E-04	8.77E-03	2.30E-03	6.03E-09	1.66E-06	4.14E-06	2.31E-03	2.93E-03	5.96E-03	1.24E-04	1.52E-04	9.16E-03
1114	482571.29	3852749.74	0.67273	0.19909	0.0198	0.05018	2.51E-03	5.94E-03	1.26E-04	1.58E-04	8.73E-03	2.28E-03	6.01E-09	1.68E-06	4.32E-06	2.29E-03	2.90E-03	5.94E-03	1.26E-04	1.58E-04	9.13E-03
1115	482521.29	3852799.74	0.72307	0.20535	0.0195	0.04818	2.70E-03	6.13E-03	1.24E-04	1.52E-04	9.10E-03	2.45E-03	6.20E-09	1.66E-06	4.15E-06	2.46E-03	3.12E-03	6.13E-03	1.24E-04	1.52E-04	9.52E-03
1116	482571.29	3852799.74	0.69104	0.20389	0.0197	0.05047	2.58E-03	6.08E-03	1.26E-04	1.59E-04	8.95E-03	2.35E-03	6.16E-09	1.67E-06	4.35E-06	2.35E-03	2.98E-03	6.08E-03	1.26E-04	1.59E-04	9.35E-03
1117	482621.29	3852799.74	0.68606	0.20325	0.02	0.0528	2.56E-03	6.06E-03	1.27E-04	1.67E-04	8.92E-03	2.33E-03	6.14E-09	1.70E-06	4.55E-06	2.34E-03	2.96E-03	6.06E-03	1.27E-04	1.67E-04	9.32E-03
1118	482571.29	3852849.74	0.74057	0.20832	0.0196	0.05051	2.76E-03	6.21E-03	1.25E-04	1.59E-04	9.26E-03	2.51E-03	6.29E-09	1.67E-06	4.35E-06	2.52E-03	3.20E-03	6.21E-03	1.25E-04	1.59E-04	9.70E-03
1119	482621.29	3852849.74	0.70721	0.20579	0.0198	0.05346	2.64E-03	6.14E-03	1.26E-04	1.69E-04	9.07E-03	2.40E-03	6.21E-09	1.69E-06	4.60E-06	2.41E-03	3.05E-03	6.14E-03	1.26E-04	1.69E-04	9.49E-03
1120	482577.42	3852901.55	0.76054	0.21251	0.0196	0.05107	2.84E-03	6.34E-03	1.25E-04	1.61E-04	9.46E-03	2.58E-03	6.42E-09	1.67E-06	4.40E-06	2.59E-03	3.28E-03	6.34E-03	1.25E-04	1.61E-04	9.91E-03
1121	482627.42	3852901.55	0.76187	0.20888	0.0198	0.05438	2.84E-03	6.23E-03	1.26E-04	1.72E-04	9.37E-03	2.59E-03	6.31E-09	1.68E-06	4.68E-06	2.59E-03	3.29E-03	6.23E-03	1.26E-04	1.72E-04	9.82E-03
1122	482629.96	3852955.85	0.78012	0.21636	0.0197	0.05462	2.91E-03	6.45E-03	1.26E-04	1.72E-04	9.66E-03	2.65E-03	6.53E-09	1.68E-06	4.70E-06	2.65E-03	3.37E-03	6.45E-03	1.26E-04	1.72E-04	1.01E-02
1123	482679.96	3852955.85	0.78339	0.20883	0.0199	0.05675	2.92E-03	6.23E-03	1.27E-04	1.79E-04	9.46E-03	2.66E-03	6.31E-09	1.69E-06	4.89E-06	2.67E-03	3.38E-03	6.23E-03	1.27E-04	1.79E-04	9.92E-03
1124	482781.63	3853034.48	0.78865	0.21076	0.0202	0.05848	2.94E-03	6.29E-03	1.29E-04	1.85E-04	9.54E-03	2.68E-03	6.36E-09	1.72E-06	5.04E-06	2.68E-03	3.40E-03	6.29E-03	1.29E-04	1.85E-04	1.00E-02
1125	482831.63	3853034.48	0.76982	0.20289	0.0204	0.05824	2.87E-03	6.05E-03	1.30E-04	1.84E-04	9.24E-03	2.61E-03	6.13E-09	1.74E-06	5.02E-06	2.62E-03	3.32E-03	6.05E-03	1.30E-04	1.84E-04	9.69E-03
1126	482881.63	3853034.48	0.82386	0.19524	0.0208	0.05788	3.07E-03	5.82E-03	1.33E-04	1.83E-04	9.21E-03	2.80E-03	5.90E-09	1.77E-06	4.98E-06	2.80E-03	3.56E-03	5.82E-03	1.33E-04	1.83E-04	9.70E-03
1127	482781.63	3853084.48	0.83899	0.21616	0.0201	0.0596	3.13E-03	6.45E-03	1.28E-04	1.88E-04	9.90E-03	2.85E-03	6.53E-09	1.71E-06	5.13E-06	2.86E-03	3.62E-03	6.45E-03	1.28E-04	1.88E-04	1.04E-02
1128	482831.63	3853084.48	0.80793	0.20962	0.0204	0.0595	3.01E-03	6.25E-03	1.30E-04	1.88E-04	9.59E-03	2.74E-03	6.33E-09	1.73E-06	5.12E-06	2.75E-03	3.49E-03	6.25E-03	1.30E-04	1.88E-04	1.01E-02
1129	482881.63	3853084.48	0.78872	0.20176	0.0206	0.05922	2.94E-03	6.02E-03	1.31E-04	1.87E-04	9.28E-03	2.68E-03	6.09E-09	1.75E-06	5.10E-06	2.68E-03	3.40E-03	6.02E-03	1.31E-04	1.87E-04	9.74E-03
1130	482781.63	3853134.48	0.84096	0.22272	0.0201	0.06079	3.14E-03	6.64E-03	1.28E-04	1.92E-04	1.01E-02	2.86E-03	6.73E-09	1.71E-06	5.23E-06	2.86E-03	3.63E-03	6.64E-03	1.28E-04	1.92E-04	1.06E-02
1131	482831.63	3853134.48	0.86315	0.21509	0.0203	0.06085	3.22E-03	6.42E-03	1.29E-04	1.92E-04	9.96E-03	2.93E-03	6.50E-09	1.72E-06	5.24E-06	2.94E-03	3.72E-03	6.42E-03	1.29E-04	1.92E-04	1.05E-02
1132	482881.63	3853134.48	0.82544	0.21018	0.0206	0.06069	3.08E-03	6.27E-03	1.31E-04	1.92E-04	9.67E-03	2.80E-03	6.35E-09	1.75E-06	5.23E-06	2.81E-03	3.56E-03	6.27E-03	1.31E-04	1.92E-04	1.02E-02
1133	482831.63	3853184.48	0.86594	0.22387	0.0202	0.06225	3.23E-03	6.68E-03	1.29E-04	1.97E-04	1.02E-02	2.94E-03	6.76E-09	1.72E-06	5.36E-06	2.95E-03	3.74E-03	6.68E-03	1.29E-04	1.97E-04	1.07E-02
1134	482881.63	3853184.48	0.88449	0.21876	0.0204	0.06201	3.30E-03	6.53E-03	1.30E-04	1.96E-04	1.02E-02	3.00E-03	6.61E-09	1.74E-06	5.34E-06	3.01E-03	3.82E-03	6.53E-03	1.30E-04	1.96E-04	1.07E-02
1135	484154.84	3854250.98	1.36062	0.12915	0.0258	0.08245	5.08E-03	3.85E-03	1.65E-04	2.60E-04	9.36E-03	4.62E-03	3.90E-09	2.20E-06	7.10E-06	4.63E-03	5.87E-03	3.85E-03	1.65E-04	2.60E-04	1.01E-02
1136	484204.84	3854250.98	1.30399	0.11975	0.0267	0.08314	4.87E-03	3.57E-03	1.70E-04	2.63E-04	8.87E-03	4.43E-03	3.62E-09	2.27E-06	7.16E-06	4.44E-03	5.63E-03	3.57E-03	1.70E-04	2.63E-04	9.63E-03
1137	484154.84	3854300.98	1.46598	0.12029	0.0256	0.08936	5.47E-03	3.59E-03	1.63E-04	2.82E-04	9.50E-03	4.98E-03	3.63E-09	2.17E-06	7.69E-06	4.99E-03	6.33E-03	3.59E-03	1.63E-04	2.82E-04	1.04E-02
1138	484204.84	3854300.98	1.3335	0.11723	0.0263	0.08862	4.98E-03	3.50E-03	1.68E-04	2.80E-04	8.92E-03	4.53E-03	3.54E-09	2.23E-06	7.63E-06	4.54E-03	5.75E-03	3.50E-03	1.68E-04	2.80E-04	9.70E-03
1139	484074.19	3854519.8	1.60173	0.13328	0.0256	0.12814	5.98E-03	3.98E-03	1.63E-04	4.05E-04	1.05E-02	5.44E-03	4.02E-09	2.18E-06	1.10E-05	5.45E-03	6.91E-03	3.98E-03	1.63E-04	4.05E-04	1.15E-02
1140	484124.19	3854519.8	1.60434	0.12894	0.0256	0.1322	5.99E-03	3.85E-03	1.63E-04	4.17E-04	1.04E-02	5.45E-03	3.89E-09	2.18E-06	1.14E-05	5.46E-03	6.92E-03	3.85E-03	1.63E-04	4.17E-04	1.14E-02
1141	484074.19	3854569.8	1.58492	0.1383	0.0259	0.14172	5.91E-03	4.13E-03	1.65E-04	4.47E-04	1.07E-02	5.38E-03	4.18E-09	2.20E-06	1.22E-05	5.40E-03	6.84E-03	4.13E-03	1.65E-04	4.47E-04	1.16E-02
1142	484124.19	3854569.8	1.5845	0.13343	0.0261	0.14068	5.91E-03	3.98E-03	1.66E-04	4.44E-04	1.05E-02	5.38E-03	4.03E-09	2.22E-06	1.21E-05	5.39E-03	6.84E-03	3.98E-03	1.66E-04	4.44E-04	1.14E-02
1143	485205.11	3855188.89	4.7606	0.22227	0.0386	0.16735	1.78E-02	6.63E-03	2.46E-04	5.28E-04	2.52E-02	1.62E-02	6.71E-09	3.28E-06	1.44E-05	1.62E-02	2.05E-02	6.63E-03	2.46E-04	5.28E-04	2.79E-02
1144	485255.11	3855188.89	4.23985	0.21288	0.0402	0.15645	1.58E-02	6.35E-03	2.57E-04	4.94E-04	2.29E-02	1.44E-02	6.43E-09	3.42E-06	1.35E-05	1.44E-02	1.83E-02	6.35E-03	2.57E-04	4.94E-04	2.54E-02
1145	485205.11	3855238.89	5.38741	0.2278	0.0368	0.16309	2.01E-02	6.80E-03	2.35E-04	5.15E-04	2.76E-02	1.83E-02	6.88E-09	3.13E-06	1.40E-05	1.83E-02	2.32E-02	6.80E-03	2.35E-04	5.15E-04	3.08E-02
1146	485255.11	3855238.89	4.98425	0.22394	0.0394	0.15963	1.86E-02	6.68E-03	2.51E-04	5.04E-04	2.60E-02	1.69E-02	6.76E-09	3.35E-06	1.37E-05	1.69E-02	2.15E-02	6.68E-03	2.51E-04	5.04E-04	2.89E-02
1147	485205.11	3855288.89	7.20028	0.25166	0.0354	0.16097	2.69E-02	7.51E-03	2.26E-04	5.08E-04	3.51E-02	2.44E-02	7.60E-09	3.01E-06	1.39E-05	2.45E-02	3.11E-02	7.51E-03	2.26E-04	5.08E-04	3.93E-02
1148	485255.11	3855288.89	6.36194	0.2477	0.0377	0.16847	2.37E-02	7.39E-03	2.40E-04	5.32E-04	3.19E-02	2.16E-02	7.48E-09	3.20E-06	1.45E-05	2.16E-02	2.75E-02	7.39E-03	2.40E-04	5.32E-04	3.56E-02
1149	485255.11	3855338.89	8.28722	0.27666	0.0363	0.17191	3.09E-02	8.25E-03	2.31E-04	5.43E-04	4.00E-02	2.81E-02	8.35E-09	3.08E-06	1.48E-05	2.82E-02	3.58E-02	8.25E-03	2.31E-04	5.43E-04	4.48E-02
1150	485305.11	3855338.89	7.14895	0.26253	0.0386	0.18234	2.67E-02	7.83E-03	2.46E-04	5.76E-04	3.53E-02	2.43E-02	7.93E-09	3.28E-06	1.57E-05	2.43E-02	3.08E-02	7.83E-03	2.46E-04	5.76E-04	3.95E-02
1151	485852.5	3855635.28	7.04115	0.3244	0.047	0.2633	2.63E-02	9.68E-03	3.00E-04	8.31E-04	3.71E-02	2.39E-02	9.80E-09	4.00E-06	2.27E-05	2.39E-02	3.04E-02	9.68E-03	3.00E-04	8.31E-04	4.12E-02
1152	485902.5	3855635.28	6.44957	0.31059	0.0476	0.26574	2.41E-02	9.27E-03	3.03E-04	8.39E-04	3.45E-02	2.19E-02	9.38E-09	4.04E-06	2.29E-05	2.19E-02	2.78E-02	9.27E-03	3.03E-04	8.39E-04	3.82E-02
1153	485852.5	3855685.28	7.79339	0.34092	0.0499	0.28315	2.91E-02	1.02E-02	3.18E-04	8.94E-04	4.05E-02	2.65E-02	1.03E-08	4.24E-06	2.44E-05	2.65E-02	3.36E-02	1.02E-02	3.18E-04	8.94E-04	4.50E-02
1154	485902.5	3855685.28	7.10296	0.32698	0.0482	0.28713	2.65E-02	9.75E-03	3.08E-04	9.07E-04	3.75E-02	2.41E-02	9.87E-09	4.10E-06	2.47E-05	2.41E-02	3.07E-02	9.75E-03	3.08E-04	9.07E-04	4.16E-02
1155	485852.5	3855735.28	8.62864	0.36198	0.0531	0.29784	3.22E-02	1.08E-02	3.39E-04	9.40E-04	4.43E-02	2.93E-02	1.09E-08	4.52E-06	2.56E-05	2.93E-02	3.72E-02	1.08E-02	3.39E-04	9.40E-04	4.93E-02

1156	485902.5	3855735.28	7.90993	0.34991	0.0512	0.30375	2.95E-02	1.04E-02	3.27E-04	9.59E-04	4.12E-02	2.69E-02	1.06E-08	4.35E-06	2.62E-05	2.69E-02	3.41E-02	1.04E-02	3.27E-04	9.59E-04	4.59E-02
1157	485852.5	3855785.28	9.89892	0.39177	0.054	0.31224	3.69E-02	1.17E-02	3.44E-04	9.86E-04	5.00E-02	3.36E-02	1.18E-08	4.59E-06	2.69E-05	3.36E-02	4.27E-02	1.17E-02	3.44E-04	9.86E-04	5.57E-02
1158	485902.5	3855785.28	8.69224	0.37182	0.0546	0.31997	3.24E-02	1.11E-02	3.48E-04	1.01E-03	4.49E-02	2.95E-02	1.12E-08	4.64E-06	2.76E-05	2.95E-02	3.75E-02	1.11E-02	3.48E-04	1.01E-03	5.00E-02
1159	486809.46	3856465.28	8.28197	0.52104	0.0837	0.27347	3.09E-02	1.55E-02	5.34E-04	8.63E-04	4.78E-02	2.81E-02	1.57E-08	7.12E-06	2.35E-05	2.81E-02	3.57E-02	1.55E-02	5.34E-04	8.63E-04	5.27E-02
1160	486859.46	3856465.28	7.81553	0.52074	0.0893	0.26952	2.92E-02	1.55E-02	5.70E-04	8.51E-04	4.61E-02	2.65E-02	1.57E-08	7.60E-06	2.32E-05	2.66E-02	3.37E-02	1.55E-02	5.70E-04	8.51E-04	5.07E-02
1161	486909.46	3856465.28	7.43396	0.51697	0.0875	0.26498	2.77E-02	1.54E-02	5.58E-04	8.37E-04	4.46E-02	2.52E-02	1.56E-08	7.44E-06	2.28E-05	2.53E-02	3.21E-02	1.54E-02	5.58E-04	8.37E-04	4.89E-02
1162	486809.46	3856515.28	9.10322	0.54049	0.0857	0.26602	3.40E-02	1.61E-02	5.47E-04	8.40E-04	5.15E-02	3.09E-02	1.63E-08	7.29E-06	2.29E-05	3.09E-02	3.93E-02	1.61E-02	5.47E-04	8.40E-04	5.68E-02
1163	486859.46	3856515.28	8.5414	0.54348	0.0876	0.26231	3.19E-02	1.62E-02	5.59E-04	8.28E-04	4.95E-02	2.90E-02	1.64E-08	7.45E-06	2.26E-05	2.90E-02	3.69E-02	1.62E-02	5.59E-04	8.28E-04	5.45E-02
1164	486909.46	3856515.28	8.03776	0.54084	0.0936	0.25848	3.00E-02	1.61E-02	5.97E-04	8.16E-04	4.75E-02	2.73E-02	1.63E-08	7.96E-06	2.23E-05	2.73E-02	3.47E-02	1.61E-02	5.97E-04	8.16E-04	5.22E-02
1165	486980.94	3856357.95	6.06482	0.47187	0.095	0.24608	2.26E-02	1.41E-02	6.06E-04	7.77E-04	3.81E-02	2.06E-02	1.42E-08	8.08E-06	2.12E-05	2.06E-02	2.62E-02	1.41E-02	6.06E-04	7.77E-04	4.16E-02
1166	487030.94	3856357.95	5.8655	0.46972	0.0961	0.24276	2.19E-02	1.40E-02	6.13E-04	7.66E-04	3.73E-02	1.99E-02	1.42E-08	8.17E-06	2.09E-05	1.99E-02	2.53E-02	1.40E-02	6.13E-04	7.66E-04	4.07E-02
1167	486980.94	3856407.95	6.50911	0.49344	0.0976	0.2513	2.43E-02	1.47E-02	6.22E-04	7.93E-04	4.04E-02	2.21E-02	1.49E-08	8.30E-06	2.16E-05	2.21E-02	2.81E-02	1.47E-02	6.22E-04	7.93E-04	4.42E-02
1168	487030.94	3856407.95	6.24484	0.49075	0.0989	0.24843	2.33E-02	1.46E-02	6.31E-04	7.84E-04	3.94E-02	2.12E-02	1.48E-08	8.41E-06	2.14E-05	2.12E-02	2.69E-02	1.46E-02	6.31E-04	7.84E-04	4.30E-02
1169	487447.18	3856437.45	4.86371	0.49098	0.1032	0.21792	1.81E-02	1.46E-02	6.59E-04	6.88E-04	3.41E-02	1.65E-02	1.48E-08	8.78E-06	1.88E-05	1.65E-02	2.10E-02	1.46E-02	6.59E-04	6.88E-04	3.70E-02
1170	487497.18	3856437.45	4.7029	0.48871	0.1093	0.21541	1.75E-02	1.46E-02	6.97E-04	6.80E-04	3.35E-02	1.60E-02	1.48E-08	9.30E-06	1.85E-05	1.60E-02	2.03E-02	1.46E-02	6.97E-04	6.80E-04	3.63E-02
1171	487547.18	3856437.45	4.5845	0.48981	0.1268	0.21022	1.71E-02	1.46E-02	8.09E-04	6.64E-04	3.32E-02	1.56E-02	1.48E-08	1.08E-05	1.81E-05	1.56E-02	1.98E-02	1.46E-02	8.09E-04	6.64E-04	3.59E-02
1172	487447.18	3856487.45	5.07057	0.50824	0.1099	0.21819	1.89E-02	1.52E-02	7.01E-04	6.89E-04	3.55E-02	1.72E-02	1.53E-08	9.34E-06	1.88E-05	1.72E-02	2.19E-02	1.52E-02	7.01E-04	6.89E-04	3.84E-02
1173	487497.18	3856487.45	4.90447	0.50651	0.1153	0.21619	1.83E-02	1.51E-02	7.35E-04	6.83E-04	3.48E-02	1.67E-02	1.53E-08	9.81E-06	1.86E-05	1.67E-02	2.12E-02	1.51E-02	7.35E-04	6.83E-04	3.77E-02
1174	487547.18	3856487.45	4.80571	0.50891	0.1192	0.21424	1.79E-02	1.52E-02	7.60E-04	6.76E-04	3.46E-02	1.63E-02	1.54E-08	1.01E-05	1.84E-05	1.63E-02	2.07E-02	1.52E-02	7.60E-04	6.76E-04	3.74E-02
1175	487447.18	3856537.45	5.38907	0.52715	0.118	0.22658	2.01E-02	1.57E-02	7.53E-04	7.15E-04	3.73E-02	1.83E-02	1.59E-08	1.00E-05	1.95E-05	1.83E-02	2.33E-02	1.57E-02	7.53E-04	7.15E-04	4.04E-02
1176	487497.18	3856537.45	5.19608	0.52399	0.1135	0.22288	1.94E-02	1.56E-02	7.24E-04	7.04E-04	3.64E-02	1.76E-02	1.58E-08	9.65E-06	1.92E-05	1.77E-02	2.24E-02	1.56E-02	7.24E-04	7.04E-04	3.95E-02
1177	487547.18	3856537.45	5.00912	0.52856	0.1189	0.21894	1.87E-02	1.58E-02	7.58E-04	6.91E-04	3.59E-02	1.70E-02	1.60E-08	1.01E-05	1.89E-05	1.70E-02	2.16E-02	1.58E-02	7.58E-04	6.91E-04	3.88E-02
1178	489285.89	3858826.54	0.88663	2.01324	0.6935	0.21889	3.31E-03	6.01E-02	4.42E-03	6.91E-04	6.85E-02	3.01E-03	6.08E-08	5.90E-05	1.88E-05	3.09E-03	3.83E-03	6.01E-02	4.42E-03	6.91E-04	6.90E-02
1179	489335.89	3858826.54	0.83943	1.96687	0.7	0.21778	3.13E-03	5.87E-02	4.46E-03	6.88E-04	6.70E-02	2.85E-03	5.94E-08	5.95E-05	1.88E-05	2.93E-03	3.62E-03	5.87E-02	4.46E-03	6.88E-04	6.75E-02
1180	489385.89	3858826.54	0.8526	1.91425	0.7012	0.21484	3.18E-03	5.71E-02	4.47E-03	6.78E-04	6.54E-02	2.89E-03	5.78E-08	5.96E-05	1.85E-05	2.97E-03	3.68E-03	5.71E-02	4.47E-03	6.78E-04	6.59E-02
1181	489435.89	3858826.54	0.85664	1.86285	0.675	0.20815	3.20E-03	5.56E-02	4.31E-03	6.57E-04	6.37E-02	2.91E-03	5.63E-08	5.74E-05	1.79E-05	2.98E-03	3.70E-03	5.56E-02	4.31E-03	6.57E-04	6.42E-02
1182	489485.89	3858826.54	0.84663	1.81322	0.6718	0.2012	3.16E-03	5.41E-02	4.28E-03	6.35E-04	6.22E-02	2.87E-03	5.48E-08	5.71E-05	1.73E-05	2.95E-03	3.65E-03	5.41E-02	4.28E-03	6.35E-04	6.27E-02
1183	489535.89	3858826.54	0.86602	1.7669	0.6796	0.19716	3.23E-03	5.27E-02	4.33E-03	6.23E-04	6.09E-02	2.94E-03	5.34E-08	5.78E-05	1.70E-05	3.01E-03	3.74E-03	5.27E-02	4.33E-03	6.23E-04	6.14E-02
1184	489585.89	3858826.54	0.87335	1.72583	0.6942	0.19703	3.26E-03	5.15E-02	4.43E-03	6.22E-04	5.98E-02	2.97E-03	5.21E-08	5.90E-05	1.70E-05	3.04E-03	3.77E-03	5.15E-02	4.43E-03	6.22E-04	6.03E-02
1185	489635.89	3858826.54	0.84733	1.68716	0.6983	0.19471	3.16E-03	5.03E-02	4.45E-03	6.15E-04	5.86E-02	2.88E-03	5.09E-08	5.94E-05	1.68E-05	2.95E-03	3.66E-03	5.03E-02	4.45E-03	6.15E-04	5.91E-02
1186	489685.89	3858826.54	0.85014	1.64828	0.677	0.19464	3.17E-03	4.92E-02	4.32E-03	6.15E-04	5.73E-02	2.89E-03	4.98E-08	5.76E-05	1.68E-05	2.96E-03	3.67E-03	4.92E-02	4.32E-03	6.15E-04	5.78E-02
1187	489735.89	3858826.54	0.85344	1.60341	0.6674	0.19515	3.18E-03	4.78E-02	4.26E-03	6.16E-04	5.59E-02	2.90E-03	4.84E-08	5.68E-05	1.68E-05	2.97E-03	3.68E-03	4.78E-02	4.26E-03	6.16E-04	5.64E-02
1188	489785.89	3858826.54	0.84042	1.56586	0.638	0.19523	3.14E-03	4.67E-02	4.07E-03	6.16E-04	5.45E-02	2.85E-03	4.73E-08	5.43E-05	1.68E-05	2.92E-03	3.63E-03	4.67E-02	4.07E-03	6.16E-04	5.50E-02
1189	489835.89	3858826.54	0.85823	1.53044	0.661	0.19177	3.20E-03	4.57E-02	4.22E-03	6.05E-04	5.37E-02	2.91E-03	4.62E-08	5.62E-05	1.65E-05	2.99E-03	3.70E-03	4.57E-02	4.22E-03	6.05E-04	5.42E-02
1190	489885.89	3858826.54	0.83716	1.49846	0.6367	0.19062	3.12E-03	4.47E-02	4.06E-03	6.02E-04	5.25E-02	2.84E-03	4.53E-08	5.42E-05	1.64E-05	2.91E-03	3.61E-03	4.47E-02	4.06E-03	6.02E-04	5.30E-02
1191	489935.89	3858826.54	0.83613	1.46947	0.6508	0.19164	3.12E-03	4.38E-02	4.15E-03	6.05E-04	5.17E-02	2.84E-03	4.44E-08	5.54E-05	1.65E-05	2.91E-03	3.61E-03	4.38E-02	4.15E-03	6.05E-04	5.22E-02
1192	489985.89	3858826.54	0.8119	1.44432	0.6821	0.19471	3.03E-03	4.31E-02	4.35E-03	6.15E-04	5.11E-02	2.76E-03	4.36E-08	5.80E-05	1.68E-05	2.83E-03	3.50E-03	4.31E-02	4.35E-03	6.15E-04	5.16E-02
1193	490035.89	3858826.54	0.80804	1.41561	0.6658	0.1954	3.02E-03	4.22E-02	4.25E-03	6.17E-04	5.01E-02	2.74E-03	4.27E-08	5.66E-05	1.68E-05	2.82E-03	3.49E-03	4.22E-02	4.25E-03	6.17E-04	5.06E-02
1194	489285.89	3858876.54	0.85254	2.15352	0.5917	0.22847	3.18E-03	6.42E-02	3.77E-03	7.21E-04	7.19E-02	2.89E-03	6.50E-08	5.03E-05	1.97E-05	2.96E-03	3.68E-03	6.42E-02	3.77E-03	7.21E-04	7.24E-02
1195	489335.89	3858876.54	0.87166	2.09005	0.6177	0.22191	3.25E-03	6.24E-02	3.94E-03	7.01E-04	7.02E-02	2.96E-03	6.31E-08	5.25E-05	1.91E-05	3.03E-03	3.76E-03	6.24E-02	3.94E-03	7.01E-04	7.08E-02
1196	489385.89	3858876.54	0.82177	2.03001	0.6448	0.21446	3.07E-03	6.06E-02	4.11E-03	6.77E-04	6.84E-02	2.79E-03	6.13E-08	5.48E-05	1.85E-05	2.86E-03	3.55E-03	6.06E-02	4.11E-03	6.77E-04	6.89E-02
1197	489435.89	3858876.54	0.82174	1.96874	0.6464	0.21409	3.07E-03	5.87E-02	4.12E-03	6.76E-04	6.66E-02	2.79E-03	5.95E-08	5.50E-05	1.84E-05	2.86E-03	3.55E-03	5.87E-02	4.12E-03	6.76E-04	6.71E-02
1198	489485.89	3858876.54	0.82963	1.91276	0.639	0.21116	3.10E-03	5.71E-02	4.08E-03	6.67E-04	6.49E-02	2.82E-03	5.78E-08	5.43E-05	1.82E-05	2.89E-03	3.58E-03	5.71E-02	4.08E-03	6.67E-04	6.54E-02
1199	489535.89	3858876.54	0.81875	1.86029	0.6312	0.20798	3.06E-03	5.55E-02	4.03E-03	6.57E-04	6.32E-02	2.78E-03	5.62E-08	5.37E-05	1.79E-05	2.85E-03	3.53E-03	5.55E-02	4.03E-03	6.57E-04	6.37E-02
1200	489585.89	3858876.54	0.83731	1.81147	0.6459	0.20568	3.12E-03	5.40E-02	4.12E-03	6.49E-04	6.19E-02	2.84E-03	5.47E-08	5.49E-05	1.77E-05	2.92E-03	3.61E-03	5.40E-02	4.12E-03	6.49E-04	6.24E-02
1201	489635.89	3858876.54	0.84713	1.76854	0.6525	0.20354	3.16E-03	5.28E-02	4.16E-03	6.43E-04	6.07E-02	2.88E-03	5.34E-08	5.55E-05	1.75E-05	2.95E-03	3.66E-03	5.28E-02	4.16E-03	6.43E-04	6.12E-02
1202	489685.89	3858876.54	0.83749	1.72065	0.658	0.20266	3.13E-03	5.13E-02	4.20E-03	6.40E-04	5.93E-02	2.84E-03	5.20E-08	5.60E-05	1.75E-05	2.92E-03	3.61E-03	5.13E-02	4.20E-03	6.40E-04	5.98E-02
1203	489735.89	3858876.54	0.82092	1.67216	0.6339	0.20106	3.06E-03	4.99E-02	4.04E-03	6.35E-04	5.76E-02	2.79E-03	5.05E-08	5.39E-05	1.73E-05	2.86E-03	3.54E-03	4.99E-02	4.04E-03	6.35E-04	5.81E-02
1204	489785.89	3858876.54	0.83069	1.63261	0.6139	0.20034	3.10E-03	4.87E-02	3.92E-03	6.33E-04	5.64E-02	2.82E-03	4.93E-08	5.22E-05	1.73E-05	2.89E-03	3.58E-03	4.87E-02	3.92E-03	6.33E-04	5.68E-02
1205	489835.89	3858876.54	0.82247	1.59555	0.6055	0.20039	3.07E-03	4.76E-02	3.86E-03	6.33E-04	5.52E-02	2.79E-03	4.82E-08	5.15E-05	1.73E-05	2.86E-03	3.55E-03	4.76E-02	3.86E-03	6.33E-04	5.56E-02
1206	489885.89	3858876.54	0.82217	1.57029	0.5979	0.19827	3.07E-03	4.68E-02	3.81E-03	6.26E-04	5.44E-02	2.79E-03	4.74E-08	5.08E-05	1.71E-05	2.86E-03	3.55E-03	4.68E-02	3.81E-03	6.26E-04	5.48E-02
1207	489935.89	3858876.54	0.83006	1.53665	0.5997	0.19892	3.10E-03	4.58E-02	3.83E-03	6.28E-04	5.34E-02	2.82E-03	4.64E-08	5.10E-05	1.71E-05	2.89E-03	3.58E-03	4.58E-02	3.83E-03	6.28E-04	5.39E-02
1208	489985.89	3858876.54	0.80438	1.50119	0.5971	0.19747	3.00E-03	4.48E-02	3.81E-03	6.23E-04	5.22E-02	2.73E-03	4.53E-08	5.08E-05	1.70E-05	2.80E-03	3.47E-03	4.48E-02	3.81E-03	6.23E-04	5.27E-02
1209	490035.89	3858876.54	0.79992	1.4673	0.6237	0.19763	2.98E-03	4.38E-02	3.98E-03	6.24E-04	5.14E-02	2.72E-03	4.43E-08	5.30E-05	1.70E-05	2.79E-03	3.45E-03	4.38E-02	3.98E-03	6.24E-04	5.18E-02
1210	489285.89	3858926.54	0.83373	2.28991	0.5421	0.22588	3.11E-03	6.83E-02	3.46E-03	7.13E-04	7.56E-02	2.83E-03	6.92E-08	4.61E-05	1.95E-05	2.90E-03	3.60E-03	6.83E-02	3.46E-03	7.13E-04	7.61E-02
1211	489335.89	3858926.54	0.82625	2.214	0.5352	0.22385	3.08E-03	6.61E-02	3.41E-03	7.07E-04	7.33E-02	2.81E-03	6.69E-08	4.55E-05	1.93E-05	2.87E-03	3.57E-03	6.61E-02	3.41E-03	7.07E-04	7.37E-02
1212	489385.89	3858926.54	0.84482	2.13625	0.5533	0.22276	3.15E-03	6.37E-02	3.53E-03	7.03E-04	7.11E-02	2.87E-03	6.45E-08	4.71E-05	1.92E-05	2.93E-03	3.65E-03	6.37E-02	3.53E-03	7.03E-04	7.16E-02
1213	489435.89	3858926.54	0.81703	2.06835	0.5845	0.22172	3.05E-03	6.17E-02	3.73E-03	7.00E-04	6.92E-02	2.77E-03	6.25E-08	4.97E-05	1.91E-05	2.84E-03	3.53E-03	6.17E-02	3.73E-03	7.00E-04	6.97E-02
1214	489485.89	3858926.54	0.78888	2.00339	0.5972	0.21858	2.94E-03	5.98E-02	3.81E-03	6.90E-04	6.72E-02	2.68E-03	6.05E-08	5.08E-05	1.88E-05	2.75E-03	3.40E-03	5.98E-02	3.81E-03	6.90E-04	6.77E-02
1215	489535.89	3858926.54	0.804	1.94061	0.609	0.21502	3.00E-03	5.79E-02	3.88E-03	6.79E-04	6.55E-02	2.73E-03	5.86E-08	5.18E-05	1.85E-05	2.80E-03	3.47E-03	5.79E-02	3.88E-03	6.79E-04	6.59E-02
1216	489585.89	3858926.54	0.80367	1.87963	0.6006	0.21224	3.00E-03	5.61E-02	3.83E-03	6.70E-04	6.36E-02	2.73E-03	5.68E-08	5.11E-05	1.83E-05	2.80E-03	3.47E-03	5.61E-02	3.83E-03	6.70E-04	6.40E-02

1217	489635.89	3858926.54	0.80542	1.82798	0.6134	0.21142	3.01E-03	5.45E-02	3.91E-03	6.68E-04	6.21E-02	2.73E-03	5.52E-08	5.22E-05	1.82E-05	2.80E-03	3.48E-03	5.45E-02	3.91E-03	6.68E-04	6.26E-02
1218	489685.89	3858926.54	0.81749	1.77775	0.605	0.21111	3.05E-03	5.30E-02	3.86E-03	6.67E-04	6.06E-02	2.78E-03	5.37E-08	5.15E-05	1.82E-05	2.85E-03	3.53E-03	5.30E-02	3.86E-03	6.67E-04	6.11E-02
1219	489735.89	3858926.54	0.8257	1.73363	0.6032	0.20818	3.08E-03	5.17E-02	3.85E-03	6.57E-04	5.93E-02	2.80E-03	5.24E-08	5.13E-05	1.79E-05	2.87E-03	3.56E-03	5.17E-02	3.85E-03	6.57E-04	5.98E-02
1220	489785.89	3858926.54	0.80055	1.69488	0.5895	0.20424	2.99E-03	5.06E-02	3.76E-03	6.45E-04	5.80E-02	2.72E-03	5.12E-08	5.01E-05	1.76E-05	2.79E-03	3.45E-03	5.06E-02	3.76E-03	6.45E-04	5.84E-02
1221	489835.89	3858926.54	0.80351	1.6519	0.5688	0.20323	3.00E-03	4.93E-02	3.63E-03	6.42E-04	5.65E-02	2.73E-03	4.99E-08	4.84E-05	1.75E-05	2.79E-03	3.47E-03	4.93E-02	3.63E-03	6.42E-04	5.70E-02
1222	489885.89	3858926.54	0.80285	1.61652	0.5575	0.20359	3.00E-03	4.82E-02	3.56E-03	6.43E-04	5.54E-02	2.73E-03	4.88E-08	4.74E-05	1.75E-05	2.79E-03	3.46E-03	4.82E-02	3.56E-03	6.43E-04	5.59E-02
1223	489935.89	3858926.54	0.79278	1.57899	0.5498	0.20583	2.96E-03	4.71E-02	3.51E-03	6.50E-04	5.42E-02	2.69E-03	4.77E-08	4.68E-05	1.77E-05	2.76E-03	3.42E-03	4.71E-02	3.51E-03	6.50E-04	5.47E-02
1224	489985.89	3858926.54	0.80923	1.53646	0.5602	0.20507	3.02E-03	4.58E-02	3.57E-03	6.47E-04	5.31E-02	2.75E-03	4.64E-08	4.76E-05	1.77E-05	2.81E-03	3.49E-03	4.58E-02	3.57E-03	6.47E-04	5.36E-02
1225	490035.89	3858926.54	0.79596	1.48384	0.5617	0.20392	2.97E-03	4.43E-02	3.58E-03	6.44E-04	5.15E-02	2.70E-03	4.48E-08	4.78E-05	1.76E-05	2.77E-03	3.43E-03	4.43E-02	3.58E-03	6.44E-04	5.19E-02
1226	489335.89	3858976.54	0.81203	2.34966	0.478	0.23403	3.03E-03	7.01E-02	3.05E-03	7.39E-04	7.69E-02	2.76E-03	7.10E-08	4.07E-05	2.02E-05	2.82E-03	3.50E-03	7.01E-02	3.05E-03	7.39E-04	7.74E-02
1227	489385.89	3858976.54	0.81039	2.25804	0.5066	0.22826	3.02E-03	6.74E-02	3.23E-03	7.21E-04	7.43E-02	2.75E-03	6.82E-08	4.31E-05	1.97E-05	2.81E-03	3.50E-03	6.74E-02	3.23E-03	7.21E-04	7.48E-02
1228	489435.89	3858976.54	0.81645	2.18464	0.4901	0.22426	3.05E-03	6.52E-02	3.13E-03	7.08E-04	7.21E-02	2.77E-03	6.60E-08	4.17E-05	1.93E-05	2.83E-03	3.52E-03	6.52E-02	3.13E-03	7.08E-04	7.25E-02
1229	489485.89	3858976.54	0.81263	2.10566	0.527	0.2218	3.03E-03	6.28E-02	3.36E-03	7.00E-04	6.99E-02	2.76E-03	6.36E-08	4.48E-05	1.91E-05	2.82E-03	3.51E-03	6.28E-02	3.36E-03	7.00E-04	7.04E-02
1230	489535.89	3858976.54	0.77098	2.03733	0.5542	0.22007	2.88E-03	6.08E-02	3.53E-03	6.95E-04	6.79E-02	2.62E-03	6.15E-08	4.71E-05	1.90E-05	2.68E-03	3.33E-03	6.08E-02	3.53E-03	6.95E-04	6.83E-02
1231	489585.89	3858976.54	0.78567	1.97985	0.5593	0.21837	2.93E-03	5.91E-02	3.57E-03	6.89E-04	6.63E-02	2.67E-03	5.98E-08	4.76E-05	1.88E-05	2.73E-03	3.39E-03	5.91E-02	3.57E-03	6.89E-04	6.67E-02
1232	489635.89	3858976.54	0.78861	1.91726	0.5608	0.21886	2.94E-03	5.72E-02	3.58E-03	6.91E-04	6.44E-02	2.68E-03	5.79E-08	4.77E-05	1.88E-05	2.74E-03	3.40E-03	5.72E-02	3.58E-03	6.91E-04	6.49E-02
1233	489685.89	3858976.54	0.77503	1.85359	0.5676	0.21494	2.89E-03	5.53E-02	3.62E-03	6.79E-04	6.25E-02	2.63E-03	5.60E-08	4.83E-05	1.85E-05	2.70E-03	3.34E-03	5.53E-02	3.62E-03	6.79E-04	6.29E-02
1234	489735.89	3858976.54	0.79872	1.80166	0.5586	0.21353	2.98E-03	5.37E-02	3.56E-03	6.74E-04	6.10E-02	2.71E-03	5.44E-08	4.75E-05	1.84E-05	2.78E-03	3.45E-03	5.37E-02	3.56E-03	6.74E-04	6.14E-02
1235	489785.89	3858976.54	0.80133	1.75704	0.5598	0.21363	2.99E-03	5.24E-02	3.57E-03	6.75E-04	5.97E-02	2.72E-03	5.31E-08	4.76E-05	1.84E-05	2.79E-03	3.46E-03	5.24E-02	3.57E-03	6.75E-04	6.01E-02
1236	489835.89	3858976.54	0.79436	1.71655	0.5518	0.21468	2.96E-03	5.12E-02	3.52E-03	6.78E-04	5.84E-02	2.70E-03	5.18E-08	4.69E-05	1.85E-05	2.76E-03	3.43E-03	5.12E-02	3.52E-03	6.78E-04	5.88E-02
1237	489885.89	3858976.54	0.77736	1.66756	0.535	0.21653	2.90E-03	4.97E-02	3.41E-03	6.84E-04	5.67E-02	2.64E-03	5.04E-08	4.55E-05	1.86E-05	2.70E-03	3.35E-03	4.97E-02	3.41E-03	6.84E-04	5.72E-02
1238	489935.89	3858976.54	0.78678	1.62308	0.5177	0.21658	2.94E-03	4.84E-02	3.30E-03	6.84E-04	5.53E-02	2.67E-03	4.90E-08	4.40E-05	1.86E-05	2.73E-03	3.40E-03	4.84E-02	3.30E-03	6.84E-04	5.58E-02
1239	489985.89	3858976.54	0.77795	1.57717	0.5077	0.21566	2.90E-03	4.71E-02	3.24E-03	6.81E-04	5.39E-02	2.64E-03	4.76E-08	4.32E-05	1.86E-05	2.70E-03	3.36E-03	4.71E-02	3.24E-03	6.81E-04	5.43E-02
1240	490035.89	3858976.54	0.78423	1.48418	0.4982	0.21473	2.93E-03	4.43E-02	3.18E-03	6.78E-04	5.11E-02	2.66E-03	4.48E-08	4.24E-05	1.85E-05	2.72E-03	3.38E-03	4.43E-02	3.18E-03	6.78E-04	5.15E-02
1241	489385.89	3859026.54	0.79183	2.36669	0.4247	0.23229	2.95E-03	7.06E-02	2.71E-03	7.33E-04	7.70E-02	2.69E-03	7.15E-08	3.61E-05	2.00E-05	2.74E-03	3.42E-03	7.06E-02	2.71E-03	7.33E-04	7.75E-02
1242	489435.89	3859026.54	0.7914	2.28795	0.4589	0.22683	2.95E-03	6.83E-02	2.93E-03	7.16E-04	7.49E-02	2.69E-03	6.91E-08	3.90E-05	1.95E-05	2.75E-03	3.41E-03	6.83E-02	2.93E-03	7.16E-04	7.53E-02
1243	489485.89	3859026.54	0.78607	2.20992	0.4588	0.22567	2.93E-03	6.59E-02	2.93E-03	7.13E-04	7.25E-02	2.67E-03	6.67E-08	3.90E-05	1.94E-05	2.73E-03	3.39E-03	6.59E-02	2.93E-03	7.13E-04	7.30E-02
1244	489535.89	3859026.54	0.79186	2.13655	0.4705	0.22497	2.95E-03	6.37E-02	3.00E-03	7.10E-04	7.04E-02	2.69E-03	6.45E-08	4.00E-05	1.94E-05	2.75E-03	3.42E-03	6.37E-02	3.00E-03	7.10E-04	7.09E-02
1245	489585.89	3859026.54	0.75807	2.06115	0.5007	0.22808	2.83E-03	6.15E-02	3.19E-03	7.20E-04	6.82E-02	2.57E-03	6.22E-08	4.26E-05	1.96E-05	2.64E-03	3.27E-03	6.15E-02	3.19E-03	7.20E-04	6.87E-02
1246	489635.89	3859026.54	0.75608	1.9963	0.5061	0.22983	2.82E-03	5.96E-02	3.23E-03	7.26E-04	6.63E-02	2.57E-03	6.03E-08	4.30E-05	1.98E-05	2.63E-03	3.26E-03	5.96E-02	3.23E-03	7.26E-04	6.68E-02
1247	489685.89	3859026.54	0.76515	1.93523	0.521	0.22652	2.86E-03	5.77E-02	3.32E-03	7.15E-04	6.46E-02	2.60E-03	5.84E-08	4.43E-05	1.95E-05	2.66E-03	3.30E-03	5.77E-02	3.32E-03	7.15E-04	6.51E-02
1248	489735.89	3859026.54	0.75403	1.87802	0.5301	0.22556	2.81E-03	5.60E-02	3.38E-03	7.12E-04	6.29E-02	2.56E-03	5.67E-08	4.51E-05	1.94E-05	2.62E-03	3.25E-03	5.60E-02	3.38E-03	7.12E-04	6.34E-02
1249	489785.89	3859026.54	0.768	1.82895	0.5184	0.22614	2.87E-03	5.46E-02	3.31E-03	7.14E-04	6.15E-02	2.61E-03	5.52E-08	4.41E-05	1.95E-05	2.67E-03	3.31E-03	5.46E-02	3.31E-03	7.14E-04	6.19E-02
1250	489835.89	3859026.54	0.77641	1.77089	0.5105	0.22635	2.90E-03	5.28E-02	3.26E-03	7.15E-04	5.97E-02	2.64E-03	5.35E-08	4.34E-05	1.95E-05	2.70E-03	3.35E-03	5.28E-02	3.26E-03	7.15E-04	6.02E-02
1251	489885.89	3859026.54	0.78491	1.71708	0.5149	0.22458	2.93E-03	5.12E-02	3.28E-03	7.09E-04	5.81E-02	2.66E-03	5.19E-08	4.38E-05	1.93E-05	2.73E-03	3.39E-03	5.12E-02	3.28E-03	7.09E-04	5.86E-02
1252	489935.89	3859026.54	0.76011	1.66373	0.5059	0.22162	2.84E-03	4.96E-02	3.23E-03	7.00E-04	5.64E-02	2.58E-03	5.02E-08	4.30E-05	1.91E-05	2.64E-03	3.28E-03	4.96E-02	3.23E-03	7.00E-04	5.68E-02
1253	489985.89	3859026.54	0.76308	1.61717	0.4902	0.21727	2.85E-03	4.82E-02	3.13E-03	6.86E-04	5.49E-02	2.59E-03	4.88E-08	4.17E-05	1.87E-05	2.65E-03	3.29E-03	4.82E-02	3.13E-03	6.86E-04	5.54E-02
1254	490035.89	3859026.54	0.76457	1.51784	0.4772	0.21814	2.85E-03	4.53E-02	3.04E-03	6.89E-04	5.19E-02	2.60E-03	4.58E-08	4.06E-05	1.88E-05	2.66E-03	3.30E-03	4.53E-02	3.04E-03	6.89E-04	5.23E-02
1255	489485.89	3859076.54	0.77297	2.26883	0.4161	0.24052	2.88E-03	6.77E-02	2.65E-03	7.59E-04	7.40E-02	2.62E-03	6.85E-08	3.54E-05	2.07E-05	2.68E-03	3.34E-03	6.77E-02	2.65E-03	7.59E-04	7.44E-02
1256	489535.89	3859076.54	0.76347	2.1849	0.4257	0.24043	2.85E-03	6.52E-02	2.72E-03	7.59E-04	7.15E-02	2.59E-03	6.60E-08	3.62E-05	2.07E-05	2.65E-03	3.29E-03	6.52E-02	2.72E-03	7.59E-04	7.20E-02
1257	489585.89	3859076.54	0.76799	2.10924	0.4292	0.24035	2.87E-03	6.29E-02	2.74E-03	7.59E-04	6.93E-02	2.61E-03	6.37E-08	3.65E-05	2.07E-05	2.66E-03	3.31E-03	6.29E-02	2.74E-03	7.59E-04	6.97E-02
1258	489635.89	3859076.54	0.75179	2.0512	0.4494	0.2393	2.81E-03	6.12E-02	2.87E-03	7.56E-04	6.76E-02	2.55E-03	6.19E-08	3.82E-05	2.06E-05	2.61E-03	3.24E-03	6.12E-02	2.87E-03	7.56E-04	6.81E-02
1259	489685.89	3859076.54	0.72707	1.99075	0.4663	0.23516	2.71E-03	5.94E-02	2.97E-03	7.42E-04	6.58E-02	2.47E-03	6.01E-08	3.97E-05	2.02E-05	2.53E-03	3.14E-03	5.94E-02	2.97E-03	7.42E-04	6.62E-02
1260	489735.89	3859076.54	0.74416	1.9297	0.4769	0.23584	2.78E-03	5.76E-02	3.04E-03	7.45E-04	6.41E-02	2.53E-03	5.83E-08	4.06E-05	2.03E-05	2.59E-03	3.21E-03	5.76E-02	3.04E-03	7.45E-04	6.46E-02
1261	489785.89	3859076.54	0.7421	1.87633	0.4952	0.23328	2.77E-03	5.60E-02	3.16E-03	7.37E-04	6.26E-02	2.52E-03	5.67E-08	4.21E-05	2.01E-05	2.58E-03	3.20E-03	5.60E-02	3.16E-03	7.37E-04	6.31E-02
1262	489835.89	3859076.54	0.73905	1.81799	0.488	0.22732	2.76E-03	5.42E-02	3.11E-03	7.18E-04	6.08E-02	2.51E-03	5.49E-08	4.15E-05	1.96E-05	2.57E-03	3.19E-03	5.42E-02	3.11E-03	7.18E-04	6.13E-02
1263	489885.89	3859076.54	0.7611	1.76349	0.486	0.22189	2.84E-03	5.26E-02	3.10E-03	7.01E-04	5.93E-02	2.58E-03	5.33E-08	4.13E-05	1.91E-05	2.64E-03	3.28E-03	5.26E-02	3.10E-03	7.01E-04	5.97E-02
1264	489935.89	3859076.54	0.76061	1.71414	0.4686	0.21859	2.84E-03	5.11E-02	2.99E-03	6.90E-04	5.77E-02	2.58E-03	5.18E-08	3.99E-05	1.88E-05	2.64E-03	3.28E-03	5.11E-02	2.99E-03	6.90E-04	5.81E-02
1265	489985.89	3859076.54	0.75674	1.65839	0.4729	0.21793	2.82E-03	4.95E-02	3.02E-03	6.88E-04	5.60E-02	2.57E-03	5.01E-08	4.02E-05	1.88E-05	2.63E-03	3.27E-03	4.95E-02	3.02E-03	6.88E-04	5.64E-02
1266	490035.89	3859076.54	0.74391	1.56588	0.4695	0.2178	2.78E-03	4.67E-02	2.99E-03	6.88E-04	5.32E-02	2.53E-03	4.73E-08	3.99E-05	1.88E-05	2.58E-03	3.21E-03	4.67E-02	2.99E-03	6.88E-04	5.36E-02
1267	489585.89	3859126.54	0.7456	2.14763	0.4057	0.24531	2.78E-03	6.41E-02	2.59E-03	7.75E-04	7.02E-02	2.53E-03	6.49E-08	3.45E-05	2.11E-05	2.59E-03	3.22E-03	6.41E-02	2.59E-03	7.75E-04	7.07E-02
1268	489635.89	3859126.54	0.74873	2.08595	0.3976	0.24062	2.79E-03	6.22E-02	2.54E-03	7.60E-04	6.83E-02	2.54E-03	6.30E-08	3.38E-05	2.07E-05	2.60E-03	3.23E-03	6.22E-02	2.54E-03	7.60E-04	6.88E-02
1269	489685.89	3859126.54	0.74458	2.02149	0.4069	0.23564	2.78E-03	6.03E-02	2.60E-03	7.44E-04	6.64E-02	2.53E-03	6.10E-08	3.46E-05	2.03E-05	2.58E-03	3.21E-03	6.03E-02	2.60E-03	7.44E-04	6.69E-02
1270	489735.89	3859126.54	0.70961	1.96074	0.4252	0.23123	2.65E-03	5.85E-02	2.71E-03	7.30E-04	6.46E-02	2.41E-03	5.92E-08	3.62E-05	1.99E-05	2.47E-03	3.06E-03	5.85E-02	2.71E-03	7.30E-04	6.50E-02
1271	489785.89	3859126.54	0.72574	1.90646	0.4329	0.22804	2.71E-03	5.69E-02	2.76E-03	7.20E-04	6.31E-02	2.46E-03	5.76E-08	3.68E-05	1.96E-05	2.52E-03	3.13E-03	5.69E-02	2.76E-03	7.20E-04	6.35E-02
1272	489835.89	3859126.54	0.72925	1.85042	0.4449	0.22534	2.72E-03	5.52E-02	2.84E-03	7.11E-04	6.15E-02	2.48E-03	5.59E-08	3.78E-05	1.94E-05	2.53E-03	3.15E-03	5.52E-02	2.84E-03	7.11E-04	6.19E-02
1273	489885.89	3859126.54	0.71388	1.7937	0.4641	0.22557	2.66E-03	5.35E-02	2.96E-03	7.12E-04	5.98E-02	2.42E-03	5.42E-08	3.95E-05	1.94E-05	2.48E-03	3.08E-03	5.35E-02	2.96E-03	7.12E-04	6.03E-02
1274	489935.89	3859126.54	0.73586	1.74669	0.4554	0.22581	2.75E-03	5.21E-02	2.91E-03	7.13E-04	5.85E-02	2.50E-03	5.27E-08	3.87E-05	1.94E-05	2.56E-03	3.18E-03	5.21E-02	2.91E-03	7.13E-04	5.89E-02
1275	489985.89	3859126.54	0.74048	1.68197	0.4525	0.22505	2.76E-03	5.02E-02	2.89E-03	7.11E-04	5.65E-02	2.51E-03	5.08E-08	3.85E-05	1.94E-05	2.57E-03	3.20E-03	5.02E-02	2.89E-03	7.11E-04	5.70E-02
1276	490035.89	3859126.54	0.75146	1.61689	0.4492	0.22129	2.80E-03	4.82E-02	2.87E-03	6.99E-04	5.46E-02	2.55E-03	4.88E-08	3.82E-05	1.91E-05	2.61E-03	3.24E-03	4.82E-02	2.87E-03	6.99E-04	5.50E-02
1277	489585.89	3859176.54	0.72916	2.18659	0.3482	0.25518	2.72E-03	6.52E-02	2.22E-03	8.06E-04	7.10E-02	2.48E-03	6.60E-08	2.96E-05	2.20E-05	2.53E-03	3.15E-03	6.52E-02	2.22E-03	8.06E-04	7.14E-02

1278	489635.89	3859176.54	0.73038	2.12191	0.3712	0.24989	2.73E-03	6.33E-02	2.37E-03	7.89E-04	6.92E-02	2.48E-03	6.41E-08	3.16E-05	2.15E-05	2.53E-03	3.15E-03	6.33E-02	2.37E-03	7.89E-04	6.96E-02
1279	489685.89	3859176.54	0.72525	2.06199	0.3744	0.24201	2.71E-03	6.15E-02	2.39E-03	7.64E-04	6.74E-02	2.46E-03	6.23E-08	3.18E-05	2.08E-05	2.51E-03	3.13E-03	6.15E-02	2.39E-03	7.64E-04	6.78E-02
1280	489735.89	3859176.54	0.72336	1.99735	0.3737	0.23827	2.70E-03	5.96E-02	2.38E-03	7.52E-04	6.54E-02	2.46E-03	6.03E-08	3.18E-05	2.05E-05	2.51E-03	3.12E-03	5.96E-02	2.38E-03	7.52E-04	6.58E-02
1281	489785.89	3859176.54	0.69911	1.93639	0.3848	0.23849	2.61E-03	5.78E-02	2.45E-03	7.53E-04	6.36E-02	2.37E-03	5.85E-08	3.27E-05	2.05E-05	2.43E-03	3.02E-03	5.78E-02	2.45E-03	7.53E-04	6.40E-02
1282	489835.89	3859176.54	0.69466	1.88142	0.401	0.23538	2.59E-03	5.61E-02	2.56E-03	7.43E-04	6.20E-02	2.36E-03	5.68E-08	3.41E-05	2.03E-05	2.41E-03	3.00E-03	5.61E-02	2.56E-03	7.43E-04	6.24E-02
1283	489885.89	3859176.54	0.70814	1.82275	0.4076	0.23219	2.64E-03	5.44E-02	2.60E-03	7.33E-04	6.04E-02	2.40E-03	5.50E-08	3.47E-05	2.00E-05	2.46E-03	3.06E-03	5.44E-02	2.60E-03	7.33E-04	6.08E-02
1284	489935.89	3859176.54	0.69945	1.76889	0.4177	0.22814	2.61E-03	5.28E-02	2.66E-03	7.20E-04	5.88E-02	2.37E-03	5.34E-08	3.55E-05	1.96E-05	2.43E-03	3.02E-03	5.28E-02	2.66E-03	7.20E-04	5.92E-02
1285	489985.89	3859176.54	0.71085	1.69268	0.433	0.2204	2.65E-03	5.05E-02	2.76E-03	6.96E-04	5.66E-02	2.41E-03	5.11E-08	3.68E-05	1.90E-05	2.47E-03	3.07E-03	5.05E-02	2.76E-03	6.96E-04	5.70E-02
1286	490035.89	3859176.54	0.72535	1.64266	0.4263	0.21409	2.71E-03	4.90E-02	2.72E-03	6.76E-04	5.51E-02	2.46E-03	4.96E-08	3.63E-05	1.84E-05	2.52E-03	3.13E-03	4.90E-02	2.72E-03	6.76E-04	5.55E-02
1287	489685.89	3859226.54	0.71357	2.08107	0.3409	0.25197	2.66E-03	6.21E-02	2.17E-03	7.96E-04	6.77E-02	2.42E-03	6.28E-08	2.90E-05	2.17E-05	2.47E-03	3.08E-03	6.21E-02	2.17E-03	7.96E-04	6.81E-02
1288	489735.89	3859226.54	0.70389	2.02637	0.349	0.24948	2.63E-03	6.05E-02	2.23E-03	7.88E-04	6.61E-02	2.39E-03	6.12E-08	2.97E-05	2.15E-05	2.44E-03	3.04E-03	6.05E-02	2.23E-03	7.88E-04	6.65E-02
1289	489785.89	3859226.54	0.69924	1.96031	0.347	0.24508	2.61E-03	5.85E-02	2.21E-03	7.74E-04	6.41E-02	2.37E-03	5.92E-08	2.95E-05	2.11E-05	2.42E-03	3.02E-03	5.85E-02	2.21E-03	7.74E-04	6.45E-02
1290	489835.89	3859226.54	0.6937	1.89664	0.3485	0.24054	2.59E-03	5.66E-02	2.22E-03	7.59E-04	6.22E-02	2.36E-03	5.73E-08	2.96E-05	2.07E-05	2.41E-03	2.99E-03	5.66E-02	2.22E-03	7.59E-04	6.26E-02
1291	489885.89	3859226.54	0.67507	1.83726	0.3644	0.23427	2.52E-03	5.48E-02	2.32E-03	7.40E-04	6.04E-02	2.29E-03	5.55E-08	3.10E-05	2.02E-05	2.34E-03	2.91E-03	5.48E-02	2.32E-03	7.40E-04	6.08E-02
1292	489935.89	3859226.54	0.69143	1.78018	0.3777	0.2293	2.58E-03	5.31E-02	2.41E-03	7.24E-04	5.88E-02	2.35E-03	5.38E-08	3.21E-05	1.97E-05	2.40E-03	2.98E-03	5.31E-02	2.41E-03	7.24E-04	5.92E-02
1293	489985.89	3859226.54	0.69544	1.70032	0.3783	0.22462	2.60E-03	5.07E-02	2.41E-03	7.09E-04	5.64E-02	2.36E-03	5.13E-08	3.22E-05	1.93E-05	2.41E-03	3.00E-03	5.07E-02	2.41E-03	7.09E-04	5.68E-02
1294	490035.89	3859226.54	0.68458	1.65954	0.397	0.22044	2.55E-03	4.95E-02	2.53E-03	6.96E-04	5.53E-02	2.32E-03	5.01E-08	3.38E-05	1.90E-05	2.38E-03	2.95E-03	4.95E-02	2.53E-03	6.96E-04	5.57E-02
1295	489735.89	3859276.54	0.69686	2.03271	0.3127	0.25447	2.60E-03	6.06E-02	1.99E-03	8.03E-04	6.60E-02	2.37E-03	6.14E-08	2.66E-05	2.19E-05	2.41E-03	3.01E-03	6.06E-02	1.99E-03	8.03E-04	6.64E-02
1296	489785.89	3859276.54	0.68936	1.97725	0.3265	0.24874	2.57E-03	5.90E-02	2.08E-03	7.85E-04	6.44E-02	2.34E-03	5.97E-08	2.78E-05	2.14E-05	2.39E-03	2.97E-03	5.90E-02	2.08E-03	7.85E-04	6.48E-02
1297	489835.89	3859276.54	0.68411	1.91446	0.3258	0.24337	2.55E-03	5.71E-02	2.08E-03	7.68E-04	6.25E-02	2.32E-03	5.78E-08	2.77E-05	2.10E-05	2.37E-03	2.95E-03	5.71E-02	2.08E-03	7.68E-04	6.29E-02
1298	489885.89	3859276.54	0.68572	1.85755	0.3302	0.24078	2.56E-03	5.54E-02	2.11E-03	7.60E-04	6.08E-02	2.33E-03	5.61E-08	2.81E-05	2.07E-05	2.38E-03	2.96E-03	5.54E-02	2.11E-03	7.60E-04	6.12E-02
1299	489935.89	3859276.54	0.65735	1.79362	0.3319	0.23155	2.45E-03	5.35E-02	2.12E-03	7.31E-04	5.88E-02	2.23E-03	5.42E-08	2.82E-05	1.99E-05	2.28E-03	2.84E-03	5.35E-02	2.12E-03	7.31E-04	5.92E-02
1300	489985.89	3859276.54	0.67348	1.70635	0.3478	0.22792	2.51E-03	5.09E-02	2.22E-03	7.20E-04	5.64E-02	2.29E-03	5.15E-08	2.96E-05	1.96E-05	2.34E-03	2.91E-03	5.09E-02	2.22E-03	7.20E-04	5.68E-02
1301	490035.89	3859276.54	0.67957	1.67637	0.3522	0.22117	2.54E-03	5.00E-02	2.25E-03	6.98E-04	5.55E-02	2.31E-03	5.06E-08	3.00E-05	1.90E-05	2.36E-03	2.93E-03	5.00E-02	2.25E-03	6.98E-04	5.59E-02
1302	490458.06	3859590.74	0.58615	1.44244	0.2361	0.2312	2.19E-03	4.30E-02	1.51E-03	7.30E-04	4.75E-02	1.99E-03	4.36E-08	2.01E-05	1.99E-05	2.03E-03	2.53E-03	4.30E-02	1.51E-03	7.30E-04	4.78E-02
1303	490508.06	3859590.74	0.58312	1.41021	0.2474	0.22693	2.18E-03	4.21E-02	1.58E-03	7.17E-04	4.65E-02	1.98E-03	4.26E-08	2.10E-05	1.95E-05	2.02E-03	2.52E-03	4.21E-02	1.58E-03	7.17E-04	4.69E-02
1304	490558.06	3859590.74	0.57774	1.37785	0.2464	0.22293	2.16E-03	4.11E-02	1.57E-03	7.04E-04	4.55E-02	1.96E-03	4.16E-08	2.10E-05	1.92E-05	2.00E-03	2.49E-03	4.11E-02	1.57E-03	7.04E-04	4.59E-02
1305	490608.06	3859590.74	0.59889	1.34352	0.2449	0.21944	2.23E-03	4.01E-02	1.56E-03	6.93E-04	4.46E-02	2.03E-03	4.06E-08	2.08E-05	1.89E-05	2.07E-03	2.58E-03	4.01E-02	1.56E-03	6.93E-04	4.49E-02
1306	490658.06	3859590.74	0.6038	1.29807	0.2517	0.21826	2.25E-03	3.87E-02	1.61E-03	6.89E-04	4.33E-02	2.05E-03	3.92E-08	2.14E-05	1.88E-05	2.09E-03	2.61E-03	3.87E-02	1.61E-03	6.89E-04	4.36E-02
1307	490708.06	3859590.74	0.6061	1.25419	0.2631	0.21797	2.26E-03	3.74E-02	1.68E-03	6.88E-04	4.20E-02	2.06E-03	3.79E-08	2.24E-05	1.88E-05	2.10E-03	2.62E-03	3.74E-02	1.68E-03	6.88E-04	4.24E-02
1308	490758.06	3859590.74	0.58977	1.20765	0.2682	0.21451	2.20E-03	3.60E-02	1.71E-03	6.77E-04	4.06E-02	2.00E-03	3.65E-08	2.28E-05	1.85E-05	2.04E-03	2.54E-03	3.60E-02	1.71E-03	6.77E-04	4.10E-02
1309	490808.06	3859590.74	0.58541	1.1693	0.2668	0.21161	2.18E-03	3.49E-02	1.70E-03	6.68E-04	3.94E-02	1.99E-03	3.53E-08	2.27E-05	1.82E-05	2.03E-03	2.53E-03	3.49E-02	1.70E-03	6.68E-04	3.98E-02
1310	490858.06	3859590.74	0.57801	1.1289	0.2596	0.2102	2.16E-03	3.37E-02	1.66E-03	6.64E-04	3.82E-02	1.96E-03	3.41E-08	2.21E-05	1.81E-05	2.00E-03	2.49E-03	3.37E-02	1.66E-03	6.64E-04	3.85E-02
1311	490458.06	3859640.74	0.55367	1.46498	0.2126	0.22914	2.07E-03	4.37E-02	1.36E-03	7.23E-04	4.79E-02	1.88E-03	4.42E-08	1.81E-05	1.97E-05	1.92E-03	2.39E-03	4.37E-02	1.36E-03	7.23E-04	4.82E-02
1312	490508.06	3859640.74	0.56851	1.43226	0.2177	0.22706	2.12E-03	4.27E-02	1.39E-03	7.17E-04	4.70E-02	1.93E-03	4.33E-08	1.85E-05	1.96E-05	1.97E-03	2.45E-03	4.27E-02	1.39E-03	7.17E-04	4.73E-02
1313	490558.06	3859640.74	0.57246	1.39771	0.2288	0.22479	2.14E-03	4.17E-02	1.46E-03	7.10E-04	4.60E-02	1.94E-03	4.22E-08	1.95E-05	1.94E-05	1.98E-03	2.47E-03	4.17E-02	1.46E-03	7.10E-04	4.63E-02
1314	490608.06	3859640.74	0.56616	1.35966	0.2371	0.22139	2.11E-03	4.06E-02	1.51E-03	6.99E-04	4.49E-02	1.92E-03	4.11E-08	2.02E-05	1.91E-05	1.96E-03	2.44E-03	4.06E-02	1.51E-03	6.99E-04	4.52E-02
1315	490658.06	3859640.74	0.57962	1.32061	0.2325	0.21878	2.16E-03	3.94E-02	1.48E-03	6.91E-04	4.37E-02	1.97E-03	3.99E-08	1.98E-05	1.88E-05	2.01E-03	2.50E-03	3.94E-02	1.48E-03	6.91E-04	4.41E-02
1316	490708.06	3859640.74	0.59211	1.28478	0.2318	0.21611	2.21E-03	3.83E-02	1.48E-03	6.82E-04	4.27E-02	2.01E-03	3.88E-08	1.97E-05	1.86E-05	2.05E-03	2.56E-03	3.83E-02	1.48E-03	6.82E-04	4.30E-02
1317	490758.06	3859640.74	0.59559	1.24153	0.2427	0.21406	2.22E-03	3.70E-02	1.55E-03	6.76E-04	4.15E-02	2.02E-03	3.75E-08	2.06E-05	1.84E-05	2.06E-03	2.57E-03	3.70E-02	1.55E-03	6.76E-04	4.18E-02
1318	490808.06	3859640.74	0.58581	1.20735	0.2504	0.21266	2.19E-03	3.60E-02	1.60E-03	6.71E-04	4.05E-02	1.99E-03	3.65E-08	2.13E-05	1.83E-05	2.03E-03	2.53E-03	3.60E-02	1.60E-03	6.71E-04	4.08E-02
1319	490858.06	3859640.74	0.57189	1.17593	0.2529	0.21091	2.13E-03	3.51E-02	1.61E-03	6.66E-04	3.95E-02	1.94E-03	3.55E-08	2.15E-05	1.82E-05	1.98E-03	2.47E-03	3.51E-02	1.61E-03	6.66E-04	3.98E-02
1320	490608.06	3859690.74	0.56507	1.38026	0.2131	0.21507	2.11E-03	4.12E-02	1.36E-03	6.79E-04	4.53E-02	1.92E-03	4.17E-08	1.81E-05	1.85E-05	1.96E-03	2.44E-03	4.12E-02	1.36E-03	6.79E-04	4.57E-02
1321	490658.06	3859690.74	0.561	1.3436	0.2236	0.21259	2.09E-03	4.01E-02	1.43E-03	6.71E-04	4.43E-02	1.90E-03	4.06E-08	1.90E-05	1.83E-05	1.94E-03	2.42E-03	4.01E-02	1.43E-03	6.71E-04	4.46E-02
1322	490708.06	3859690.74	0.55838	1.30672	0.2249	0.21125	2.08E-03	3.90E-02	1.43E-03	6.67E-04	4.32E-02	1.90E-03	3.95E-08	1.91E-05	1.82E-05	1.93E-03	2.41E-03	3.90E-02	1.43E-03	6.67E-04	4.35E-02
1323	490758.06	3859690.74	0.57531	1.269	0.2222	0.20981	2.15E-03	3.79E-02	1.42E-03	6.62E-04	4.21E-02	1.95E-03	3.83E-08	1.89E-05	1.81E-05	1.99E-03	2.48E-03	3.79E-02	1.42E-03	6.62E-04	4.24E-02
1324	490808.06	3859690.74	0.58172	1.23527	0.2226	0.20755	2.17E-03	3.69E-02	1.42E-03	6.55E-04	4.11E-02	1.97E-03	3.73E-08	1.89E-05	1.79E-05	2.01E-03	2.51E-03	3.69E-02	1.42E-03	6.55E-04	4.14E-02
1325	490858.06	3859690.74	0.58079	1.21084	0.2323	0.2049	2.17E-03	3.61E-02	1.48E-03	6.47E-04	4.04E-02	1.97E-03	3.66E-08	1.98E-05	1.76E-05	2.01E-03	2.51E-03	3.61E-02	1.48E-03	6.47E-04	4.08E-02
1326	490708.06	3859740.74	0.55212	1.33426	0.2078	0.20715	2.06E-03	3.98E-02	1.33E-03	6.54E-04	4.38E-02	1.87E-03	4.03E-08	1.77E-05	1.78E-05	1.91E-03	2.38E-03	3.98E-02	1.33E-03	6.54E-04	4.42E-02
1327	490758.06	3859740.74	0.54221	1.30462	0.2179	0.20485	2.02E-03	3.89E-02	1.39E-03	6.47E-04	4.30E-02	1.84E-03	3.94E-08	1.85E-05	1.76E-05	1.88E-03	2.34E-03	3.89E-02	1.39E-03	6.47E-04	4.33E-02
1328	490808.06	3859740.74	0.55817	1.27263	0.2137	0.20221	2.08E-03	3.80E-02	1.36E-03	6.38E-04	4.21E-02	1.89E-03	3.84E-08	1.82E-05	1.74E-05	1.93E-03	2.41E-03	3.80E-02	1.36E-03	6.38E-04	4.24E-02
1329	490858.06	3859740.74	0.56801	1.24451	0.2128	0.20002	2.12E-03	3.71E-02	1.36E-03	6.32E-04	4.12E-02	1.93E-03	3.76E-08	1.81E-05	1.72E-05	1.96E-03	2.45E-03	3.71E-02	1.36E-03	6.32E-04	4.16E-02
1330	490786.56	3859749.39	0.54269	1.29129	0.215	0.20354	2.03E-03	3.85E-02	1.37E-03	6.43E-04	4.26E-02	1.84E-03	3.90E-08	1.83E-05	1.75E-05	1.88E-03	2.34E-03	3.85E-02	1.37E-03	6.43E-04	4.29E-02
1331	490836.56	3859749.39	0.55903	1.25914	0.2127	0.2009	2.09E-03	3.76E-02	1.36E-03	6.34E-04	4.16E-02	1.90E-03	3.80E-08	1.81E-05	1.73E-05	1.93E-03	2.41E-03	3.76E-02	1.36E-03	6.34E-04	4.20E-02
1332	490786.56	3859799.39	0.53867	1.30794	0.1947	0.19963	2.01E-03	3.90E-02	1.24E-03	6.30E-04	4.29E-02	1.83E-03	3.95E-08	1.66E-05	1.72E-05	1.86E-03	2.32E-03	3.90E-02	1.24E-03	6.30E-04	4.32E-02
1333	490836.56	3859799.39	0.52876	1.27963	0.2043	0.19731	1.97E-03	3.82E-02	1.30E-03	6.23E-04	4.21E-02	1.80E-03	3.86E-08	1.74E-05	1.70E-05	1.83E-03	2.28E-03	3.82E-02	1.30E-03	6.23E-04	4.24E-02
1334	492307.84	3854508.36	0.50314	0.10601	0.1908	0.12097	1.88E-03	3.16E-03	1.22E-03	3.82E-04	6.64E-03	1.71E-03	3.20E-09	1.62E-05	1.04E-05	1.73E-03	2.17E-03	3.16E-03	1.22E-03	3.82E-04	6.93E-03
1335	486445.7	3854753.6	0.58695	0.10207	0.0457	0.12432	2.19E-03	3.05E-03	2.92E-04	3.93E-04	5.92E-03	1.99E-03	3.08E-09	3.89E-06	1.07E-05	2.01E-03	2.53E-03	3.05E-03	2.92E-04	3.93E-04	6.26E-03
1336	472599.75	3877830.11	0.0438	0.03656	0.0063	0.00666	1.63E-04	1.09E-03	4.04E-05	2.10E-05	1.32E-03	1.49E-04	1.10E-09	5.39E-07	5.73E-07	1.50E-04	1.89E-04	1.09E-03	4.04E-05	2.10E-05	1.34E-03
1337	493107.48	3866840.19	0.15322	0.09805	0.0146	0.01379	5.72E-04	2.93E-03	9.31E-05	4.35E-05	3.63E-03	5.20E-04	2.96E-09	1.24E-06	1.19E-06	5.23E-04	6.61E-04	2.93E-03	9.31E-05	4.35E-05	3.72E-03
1338	495815.79	3861662.87	0.25528	0.28442	0.0724	0.07765	9.53E-04	8.49E-03	4.62E-04	2.45E-04	1.01E-02	8.67E-04	8.59E-09	6.16E-06	6.69E-06	8.80E-04	1.10E-03	8.49E-03	4.62E-04	2.45E-04	1.03E-02

1339	480272.33	3841389.2	0.01093	0.00713	0.0078	0.01052	4.08E-05	2.13E-04	4.96E-05	3.32E-05	3.36E-04	3.71E-05	2.15E-10	6.61E-07	9.06E-07	3.87E-05	4.72E-05	2.13E-04	4.96E-05	3.32E-05	3.43E-04
1340	497005.18	3862813.64	0.18032	0.21081	0.0457	0.04823	6.73E-04	6.29E-03	2.92E-04	1.52E-04	7.41E-03	6.12E-04	6.37E-09	3.89E-06	4.15E-06	6.20E-04	7.78E-04	6.29E-03	2.92E-04	1.52E-04	7.51E-03
1341	493677.33	3860302.55	0.4101	0.55547	0.1837	0.13585	1.53E-03	1.66E-02	1.17E-03	4.29E-04	1.97E-02	1.39E-03	1.68E-08	1.56E-05	1.17E-05	1.42E-03	1.77E-03	1.66E-02	1.17E-03	4.29E-04	1.99E-02
1342	493727.33	3860302.55	0.40309	0.54996	0.1858	0.1355	1.50E-03	1.64E-02	1.19E-03	4.28E-04	1.95E-02	1.37E-03	1.66E-08	1.58E-05	1.17E-05	1.40E-03	1.74E-03	1.64E-02	1.19E-03	4.28E-04	1.98E-02
1343	493777.33	3860302.55	0.40221	0.54414	0.1851	0.13522	1.50E-03	1.62E-02	1.18E-03	4.27E-04	1.93E-02	1.37E-03	1.64E-08	1.57E-05	1.16E-05	1.39E-03	1.74E-03	1.62E-02	1.18E-03	4.27E-04	1.96E-02
1344	493827.33	3860302.55	0.39996	0.53728	0.1866	0.1349	1.49E-03	1.60E-02	1.19E-03	4.26E-04	1.91E-02	1.36E-03	1.62E-08	1.59E-05	1.16E-05	1.39E-03	1.73E-03	1.60E-02	1.19E-03	4.26E-04	1.94E-02
1345	493877.33	3860302.55	0.39832	0.53109	0.1873	0.13473	1.49E-03	1.58E-02	1.19E-03	4.25E-04	1.90E-02	1.35E-03	1.60E-08	1.59E-05	1.16E-05	1.38E-03	1.72E-03	1.58E-02	1.19E-03	4.25E-04	1.92E-02
1346	493927.33	3860302.55	0.39882	0.52553	0.1885	0.13462	1.49E-03	1.57E-02	1.20E-03	4.25E-04	1.88E-02	1.35E-03	1.59E-08	1.60E-05	1.16E-05	1.38E-03	1.72E-03	1.57E-02	1.20E-03	4.25E-04	1.90E-02
1347	493977.33	3860302.55	0.39789	0.51559	0.1895	0.1338	1.48E-03	1.54E-02	1.21E-03	4.22E-04	1.85E-02	1.35E-03	1.56E-08	1.61E-05	1.15E-05	1.38E-03	1.72E-03	1.54E-02	1.21E-03	4.22E-04	1.87E-02
1348	494027.33	3860302.55	0.39601	0.50745	0.1894	0.13329	1.48E-03	1.51E-02	1.21E-03	4.21E-04	1.82E-02	1.34E-03	1.53E-08	1.61E-05	1.15E-05	1.37E-03	1.71E-03	1.51E-02	1.21E-03	4.21E-04	1.85E-02
1349	493677.33	3860352.55	0.40816	0.55225	0.1667	0.13813	1.52E-03	1.65E-02	1.06E-03	4.36E-04	1.95E-02	1.39E-03	1.67E-08	1.42E-05	1.19E-05	1.41E-03	1.76E-03	1.65E-02	1.06E-03	4.36E-04	1.97E-02
1350	493727.33	3860352.55	0.40503	0.54571	0.173	0.13741	1.51E-03	1.63E-02	1.10E-03	4.34E-04	1.93E-02	1.38E-03	1.65E-08	1.47E-05	1.18E-05	1.40E-03	1.75E-03	1.63E-02	1.10E-03	4.34E-04	1.96E-02
1351	493777.33	3860352.55	0.4013	0.53947	0.1759	0.13668	1.50E-03	1.61E-02	1.12E-03	4.32E-04	1.91E-02	1.36E-03	1.63E-08	1.50E-05	1.18E-05	1.39E-03	1.73E-03	1.61E-02	1.12E-03	4.32E-04	1.94E-02
1352	493827.33	3860352.55	0.39444	0.53385	0.1785	0.13584	1.47E-03	1.59E-02	1.14E-03	4.29E-04	1.90E-02	1.34E-03	1.61E-08	1.52E-05	1.17E-05	1.37E-03	1.70E-03	1.59E-02	1.14E-03	4.29E-04	1.92E-02
1353	493877.33	3860352.55	0.3939	0.52771	0.1804	0.13491	1.47E-03	1.57E-02	1.15E-03	4.26E-04	1.88E-02	1.34E-03	1.59E-08	1.53E-05	1.16E-05	1.36E-03	1.70E-03	1.57E-02	1.15E-03	4.26E-04	1.90E-02
1354	493927.33	3860352.55	0.3925	0.52101	0.1791	0.13383	1.46E-03	1.55E-02	1.14E-03	4.23E-04	1.86E-02	1.33E-03	1.57E-08	1.52E-05	1.15E-05	1.36E-03	1.69E-03	1.55E-02	1.14E-03	4.23E-04	1.88E-02
1355	493977.33	3860352.55	0.39195	0.51352	0.1807	0.13288	1.46E-03	1.53E-02	1.15E-03	4.20E-04	1.84E-02	1.33E-03	1.55E-08	1.54E-05	1.14E-05	1.36E-03	1.69E-03	1.53E-02	1.15E-03	4.20E-04	1.86E-02
1356	494027.33	3860352.55	0.39291	0.50809	0.1819	0.13237	1.47E-03	1.52E-02	1.16E-03	4.18E-04	1.82E-02	1.33E-03	1.53E-08	1.55E-05	1.14E-05	1.36E-03	1.70E-03	1.52E-02	1.16E-03	4.18E-04	1.84E-02
1357	493677.33	3860402.55	0.40552	0.54775	0.1501	0.13911	1.51E-03	1.63E-02	9.57E-04	4.39E-04	1.93E-02	1.38E-03	1.65E-08	1.28E-05	1.20E-05	1.40E-03	1.75E-03	1.63E-02	9.57E-04	4.39E-04	1.95E-02
1358	493727.33	3860402.55	0.40725	0.54156	0.149	0.13942	1.52E-03	1.62E-02	9.50E-04	4.40E-04	1.91E-02	1.38E-03	1.64E-08	1.27E-05	1.20E-05	1.41E-03	1.76E-03	1.62E-02	9.50E-04	4.40E-04	1.93E-02
1359	493777.33	3860402.55	0.40041	0.5341	0.1577	0.13875	1.49E-03	1.59E-02	1.01E-03	4.38E-04	1.89E-02	1.36E-03	1.61E-08	1.34E-05	1.19E-05	1.38E-03	1.73E-03	1.59E-02	1.01E-03	4.38E-04	1.91E-02
1360	493827.33	3860402.55	0.39727	0.52926	0.1654	0.13881	1.48E-03	1.58E-02	1.05E-03	4.38E-04	1.88E-02	1.35E-03	1.60E-08	1.41E-05	1.20E-05	1.37E-03	1.71E-03	1.58E-02	1.05E-03	4.38E-04	1.90E-02
1361	493877.33	3860402.55	0.39302	0.52443	0.1687	0.13813	1.47E-03	1.56E-02	1.08E-03	4.36E-04	1.86E-02	1.33E-03	1.58E-08	1.43E-05	1.19E-05	1.36E-03	1.70E-03	1.56E-02	1.08E-03	4.36E-04	1.89E-02
1362	493927.33	3860402.55	0.38742	0.51856	0.1714	0.13693	1.45E-03	1.55E-02	1.09E-03	4.32E-04	1.84E-02	1.32E-03	1.57E-08	1.46E-05	1.18E-05	1.34E-03	1.67E-03	1.55E-02	1.09E-03	4.32E-04	1.87E-02
1363	493977.33	3860402.55	0.38833	0.51179	0.1742	0.13561	1.45E-03	1.53E-02	1.11E-03	4.28E-04	1.83E-02	1.32E-03	1.55E-08	1.48E-05	1.17E-05	1.34E-03	1.68E-03	1.53E-02	1.11E-03	4.28E-04	1.85E-02
1364	494027.33	3860402.55	0.38563	0.50716	0.1728	0.13493	1.44E-03	1.51E-02	1.10E-03	4.26E-04	1.81E-02	1.31E-03	1.53E-08	1.47E-05	1.16E-05	1.34E-03	1.66E-03	1.51E-02	1.10E-03	4.26E-04	1.83E-02
1365	493677.33	3860452.55	0.38875	0.54093	0.1529	0.136	1.45E-03	1.61E-02	9.76E-04	4.29E-04	1.90E-02	1.32E-03	1.63E-08	1.30E-05	1.17E-05	1.34E-03	1.68E-03	1.61E-02	9.76E-04	4.29E-04	1.92E-02
1366	493727.33	3860452.55	0.38928	0.53614	0.1489	0.13693	1.45E-03	1.60E-02	9.50E-04	4.32E-04	1.88E-02	1.32E-03	1.62E-08	1.27E-05	1.18E-05	1.35E-03	1.68E-03	1.60E-02	9.50E-04	4.32E-04	1.91E-02
1367	493777.33	3860452.55	0.39703	0.53083	0.1451	0.13696	1.48E-03	1.58E-02	9.25E-04	4.32E-04	1.87E-02	1.35E-03	1.60E-08	1.23E-05	1.18E-05	1.37E-03	1.71E-03	1.58E-02	9.25E-04	4.32E-04	1.89E-02
1368	493827.33	3860452.55	0.39792	0.52442	0.1438	0.13632	1.48E-03	1.56E-02	9.17E-04	4.30E-04	1.85E-02	1.35E-03	1.58E-08	1.22E-05	1.17E-05	1.37E-03	1.72E-03	1.56E-02	9.17E-04	4.30E-04	1.87E-02
1369	493877.33	3860452.55	0.39249	0.51871	0.1483	0.13596	1.46E-03	1.55E-02	9.46E-04	4.29E-04	1.83E-02	1.33E-03	1.57E-08	1.26E-05	1.17E-05	1.36E-03	1.69E-03	1.55E-02	9.46E-04	4.29E-04	1.85E-02
1370	493927.33	3860452.55	0.39185	0.51265	0.1576	0.13496	1.46E-03	1.53E-02	1.01E-03	4.26E-04	1.82E-02	1.33E-03	1.55E-08	1.34E-05	1.16E-05	1.36E-03	1.69E-03	1.53E-02	1.01E-03	4.26E-04	1.84E-02
1371	493977.33	3860452.55	0.38702	0.50784	0.1623	0.13495	1.44E-03	1.52E-02	1.04E-03	4.26E-04	1.81E-02	1.31E-03	1.53E-08	1.38E-05	1.16E-05	1.34E-03	1.67E-03	1.52E-02	1.04E-03	4.26E-04	1.83E-02
1372	494027.33	3860452.55	0.38038	0.50307	0.1647	0.13477	1.42E-03	1.50E-02	1.05E-03	4.26E-04	1.79E-02	1.29E-03	1.52E-08	1.40E-05	1.16E-05	1.32E-03	1.64E-03	1.50E-02	1.05E-03	4.26E-04	1.81E-02
1373	493677.33	3860502.55	0.38318	0.52276	0.1443	0.13544	1.43E-03	1.56E-02	9.21E-04	4.28E-04	1.84E-02	1.30E-03	1.58E-08	1.23E-05	1.17E-05	1.32E-03	1.65E-03	1.56E-02	9.21E-04	4.28E-04	1.86E-02
1374	493727.33	3860502.55	0.3791	0.51919	0.1475	0.13657	1.41E-03	1.55E-02	9.41E-04	4.31E-04	1.83E-02	1.29E-03	1.57E-08	1.25E-05	1.18E-05	1.31E-03	1.64E-03	1.55E-02	9.41E-04	4.31E-04	1.85E-02
1375	493777.33	3860502.55	0.37995	0.51519	0.1479	0.13656	1.42E-03	1.54E-02	9.43E-04	4.31E-04	1.82E-02	1.29E-03	1.56E-08	1.26E-05	1.18E-05	1.31E-03	1.64E-03	1.54E-02	9.43E-04	4.31E-04	1.84E-02
1376	493827.33	3860502.55	0.38286	0.51038	0.1457	0.13638	1.43E-03	1.52E-02	9.29E-04	4.31E-04	1.80E-02	1.30E-03	1.54E-08	1.24E-05	1.17E-05	1.32E-03	1.65E-03	1.52E-02	9.29E-04	4.31E-04	1.82E-02
1377	493877.33	3860502.55	0.39126	0.5054	0.1418	0.13557	1.46E-03	1.51E-02	9.05E-04	4.28E-04	1.79E-02	1.33E-03	1.53E-08	1.21E-05	1.17E-05	1.35E-03	1.69E-03	1.51E-02	9.05E-04	4.28E-04	1.81E-02
1378	493927.33	3860502.55	0.39102	0.49941	0.1401	0.13439	1.46E-03	1.49E-02	8.94E-04	4.24E-04	1.77E-02	1.33E-03	1.51E-08	1.19E-05	1.16E-05	1.35E-03	1.69E-03	1.49E-02	8.94E-04	4.24E-04	1.79E-02
1379	493977.33	3860502.55	0.38603	0.49645	0.1406	0.13422	1.44E-03	1.48E-02	8.97E-04	4.24E-04	1.76E-02	1.31E-03	1.50E-08	1.20E-05	1.16E-05	1.33E-03	1.67E-03	1.48E-02	8.97E-04	4.24E-04	1.78E-02
1380	494027.33	3860502.55	0.38401	0.49339	0.1482	0.13405	1.43E-03	1.47E-02	9.45E-04	4.23E-04	1.75E-02	1.30E-03	1.49E-08	1.26E-05	1.15E-05	1.33E-03	1.66E-03	1.47E-02	9.45E-04	4.23E-04	1.77E-02
1381	493627.33	3860552.55	0.39003	0.50917	0.1348	0.13428	1.46E-03	1.52E-02	8.60E-04	4.24E-04	1.79E-02	1.32E-03	1.54E-08	1.15E-05	1.16E-05	1.35E-03	1.68E-03	1.52E-02	8.60E-04	4.24E-04	1.82E-02
1382	493677.33	3860552.55	0.38428	0.50526	0.1342	0.13478	1.43E-03	1.51E-02	8.56E-04	4.26E-04	1.78E-02	1.30E-03	1.53E-08	1.14E-05	1.16E-05	1.33E-03	1.66E-03	1.51E-02	8.56E-04	4.26E-04	1.80E-02
1383	493727.33	3860552.55	0.37808	0.50234	0.135	0.13535	1.41E-03	1.50E-02	8.61E-04	4.27E-04	1.77E-02	1.28E-03	1.52E-08	1.15E-05	1.17E-05	1.31E-03	1.63E-03	1.50E-02	8.61E-04	4.27E-04	1.79E-02
1384	493777.33	3860552.55	0.37411	0.49932	0.1382	0.13494	1.40E-03	1.49E-02	8.82E-04	4.26E-04	1.76E-02	1.27E-03	1.51E-08	1.18E-05	1.16E-05	1.29E-03	1.61E-03	1.49E-02	8.82E-04	4.26E-04	1.78E-02
1385	493827.33	3860552.55	0.37245	0.49784	0.1423	0.13386	1.39E-03	1.49E-02	9.07E-04	4.23E-04	1.76E-02	1.26E-03	1.50E-08	1.21E-05	1.15E-05	1.29E-03	1.61E-03	1.49E-02	9.07E-04	4.23E-04	1.78E-02
1386	493877.33	3860552.55	0.37257	0.49424	0.1436	0.13417	1.39E-03	1.47E-02	9.16E-04	4.24E-04	1.75E-02	1.26E-03	1.49E-08	1.22E-05	1.16E-05	1.29E-03	1.61E-03	1.47E-02	9.16E-04	4.24E-04	1.77E-02
1387	493927.33	3860552.55	0.37726	0.48997	0.1425	0.13365	1.41E-03	1.46E-02	9.09E-04	4.22E-04	1.74E-02	1.28E-03	1.48E-08	1.21E-05	1.15E-05	1.30E-03	1.63E-03	1.46E-02	9.09E-04	4.22E-04	1.76E-02
1388	493977.33	3860552.55	0.38522	0.48562	0.1395	0.13326	1.44E-03	1.45E-02	8.90E-04	4.21E-04	1.72E-02	1.31E-03	1.47E-08	1.19E-05	1.15E-05	1.33E-03	1.66E-03	1.45E-02	8.90E-04	4.21E-04	1.75E-02
1389	494027.33	3860552.55	0.38196	0.48132	0.1358	0.13327	1.43E-03	1.44E-02	8.66E-04	4.21E-04	1.71E-02	1.30E-03	1.45E-08	1.16E-05	1.15E-05	1.32E-03	1.65E-03	1.44E-02	8.66E-04	4.21E-04	1.73E-02
1390	493627.33	3860602.55	0.38467	0.49569	0.1324	0.13406	1.44E-03	1.48E-02	8.44E-04	4.23E-04	1.75E-02	1.31E-03	1.50E-08	1.13E-05	1.15E-05	1.33E-03	1.66E-03	1.48E-02	8.44E-04	4.23E-04	1.77E-02
1391	493727.33	3860602.55	0.3791	0.48915	0.1298	0.13477	1.41E-03	1.46E-02	8.28E-04	4.26E-04	1.73E-02	1.29E-03	1.48E-08	1.10E-05	1.16E-05	1.31E-03	1.64E-03	1.46E-02	8.28E-04	4.26E-04	1.75E-02
1392	493777.33	3860602.55	0.37616	0.48579	0.1299	0.13361	1.40E-03	1.45E-02	8.28E-04	4.22E-04	1.71E-02	1.28E-03	1.47E-08	1.10E-05	1.15E-05	1.30E-03	1.62E-03	1.45E-02	8.28E-04	4.22E-04	1.74E-02
1393	493827.33	3860602.55	0.37057	0.48254	0.1305	0.13353	1.38E-03	1.44E-02	8.32E-04	4.22E-04	1.70E-02	1.26E-03	1.46E-08	1.11E-05	1.15E-05	1.28E-03	1.60E-03	1.44E-02	8.32E-04	4.22E-04	1.72E-02
1394	493877.33	3860602.55	0.36842	0.47916	0.1332	0.13258	1.37E-03	1.43E-02	8.49E-04	4.19E-04	1.69E-02	1.25E-03	1.45E-08	1.13E-05	1.14E-05	1.27E-03	1.59E-03	1.43E-02	8.49E-04	4.19E-04	1.72E-02
1395	493927.33	3860602.55	0.36677	0.47586	0.137	0.1322	1.37E-03	1.42E-02	8.74E-04	4.17E-04	1.69E-02	1.25E-03	1.44E-08	1.16E-05	1.14E-05	1.27E-03	1.58E-03	1.42E-02	8.74E-04	4.17E-04	1.71E-02
1396	493977.33	3860602.55	0.36739	0.47568	0.139	0.13167	1.37E-03	1.42E-02	8.87E-04	4.16E-04	1.69E-02	1.25E-03	1.44E-08	1.18E-05	1.13E-05	1.27E-03	1.59E-03	1.42E-02	8.87E-04	4.16E-04	1.71E-02
1397	494027.33	3860602.55	0.37117	0.46941	0.1385	0.13205	1.39E-03	1.40E-02	8.83E-04	4.17E-04	1.67E-02	1.26E-03	1.42E-08	1.18E-05	1.14E-05	1.28E-03	1.60E-03	1.40E-02	8.83E-04	4.17E-04	1.69E-02
1398	493627.33	3860652.55	0.3776	0.48518	0.1257	0.13254	1.41E-03	1.45E-02	8.02E-04	4.18E-04	1.71E-02	1.28E-03	1.47E-08	1.07E-05	1.14E-05	1.30E-03	1.63E-03	1.45E-02	8.02E-04	4.18E-04	1.73E-02
1399	493727.33	3860652.55	0.37546	0.47824	0.1263	0.13249	1.40E-03	1.43E-02	8.06E-04	4.18E-04	1.69E-02	1.27E-03	1.44E-08	1.07E-05	1.14E-05	1.30E-03	1.62E-03	1.43E-02	8.06E-04	4.18E-04	1.71E-02

1400	493777.33	3860652.55	0.37853	0.47483	0.1266	0.13261	1.41E-03	1.42E-02	8.08E-04	4.19E-04	1.68E-02	1.29E-03	1.43E-08	1.08E-05	1.14E-05	1.31E-03	1.63E-03	1.42E-02	8.08E-04	4.19E-04	1.70E-02
1401	493827.33	3860652.55	0.37256	0.47196	0.1263	0.1321	1.39E-03	1.41E-02	8.05E-04	4.17E-04	1.67E-02	1.26E-03	1.43E-08	1.07E-05	1.14E-05	1.29E-03	1.61E-03	1.41E-02	8.05E-04	4.17E-04	1.69E-02
1402	493877.33	3860652.55	0.3699	0.46971	0.1262	0.13142	1.38E-03	1.40E-02	8.05E-04	4.15E-04	1.66E-02	1.26E-03	1.42E-08	1.07E-05	1.13E-05	1.28E-03	1.60E-03	1.40E-02	8.05E-04	4.15E-04	1.68E-02
1403	493927.33	3860652.55	0.36426	0.46673	0.1265	0.1314	1.36E-03	1.39E-02	8.07E-04	4.15E-04	1.65E-02	1.24E-03	1.41E-08	1.08E-05	1.13E-05	1.26E-03	1.57E-03	1.39E-02	8.07E-04	4.15E-04	1.67E-02
1404	493977.33	3860652.55	0.36222	0.46374	0.1282	0.13138	1.35E-03	1.38E-02	8.18E-04	4.15E-04	1.64E-02	1.23E-03	1.40E-08	1.09E-05	1.13E-05	1.25E-03	1.56E-03	1.38E-02	8.18E-04	4.15E-04	1.66E-02
1405	494027.33	3860652.55	0.36153	0.46063	0.132	0.13059	1.35E-03	1.37E-02	8.42E-04	4.12E-04	1.63E-02	1.23E-03	1.39E-08	1.12E-05	1.12E-05	1.25E-03	1.56E-03	1.37E-02	8.42E-04	4.12E-04	1.66E-02
1406	494311.06	3858401.99	0.19541	0.14647	0.5677	0.12173	7.29E-04	4.37E-03	3.62E-03	3.84E-04	9.10E-03	6.63E-04	4.42E-09	4.83E-05	1.05E-05	7.22E-04	8.43E-04	4.37E-03	3.62E-03	3.84E-04	9.22E-03
1407	494361.06	3858401.99	0.19034	0.14445	0.562	0.12051	7.10E-04	4.31E-03	3.58E-03	3.80E-04	8.99E-03	6.46E-04	4.36E-09	4.78E-05	1.04E-05	7.04E-04	8.21E-04	4.31E-03	3.58E-03	3.80E-04	9.10E-03
1408	494411.06	3858401.99	0.18755	0.14317	0.5579	0.11896	7.00E-04	4.27E-03	3.56E-03	3.76E-04	8.91E-03	6.37E-04	4.32E-09	4.75E-05	1.02E-05	6.94E-04	8.09E-04	4.27E-03	3.56E-03	3.76E-04	9.01E-03
1409	494461.06	3858401.99	0.18635	0.14264	0.5556	0.11861	6.95E-04	4.26E-03	3.54E-03	3.74E-04	8.87E-03	6.33E-04	4.31E-09	4.73E-05	1.02E-05	6.90E-04	8.04E-04	4.26E-03	3.54E-03	3.74E-04	8.98E-03
1410	494511.06	3858401.99	0.18249	0.14087	0.5508	0.11816	6.81E-04	4.20E-03	3.51E-03	3.73E-04	8.77E-03	6.20E-04	4.25E-09	4.68E-05	1.02E-05	6.77E-04	7.87E-04	4.20E-03	3.51E-03	3.73E-04	8.88E-03
1411	494561.06	3858401.99	0.18152	0.14009	0.5475	0.11816	6.77E-04	4.18E-03	3.49E-03	3.73E-04	8.72E-03	6.16E-04	4.23E-09	4.66E-05	1.02E-05	6.73E-04	7.83E-04	4.18E-03	3.49E-03	3.73E-04	8.83E-03
1412	494611.06	3858401.99	0.17849	0.13827	0.5419	0.1173	6.66E-04	4.13E-03	3.46E-03	3.70E-04	8.62E-03	6.06E-04	4.18E-09	4.61E-05	1.01E-05	6.62E-04	7.70E-04	4.13E-03	3.46E-03	3.70E-04	8.72E-03
1413	494661.06	3858401.99	0.17474	0.13675	0.537	0.1163	6.52E-04	4.08E-03	3.43E-03	3.67E-04	8.52E-03	5.93E-04	4.13E-09	4.57E-05	1.00E-05	6.49E-04	7.54E-04	4.08E-03	3.43E-03	3.67E-04	8.63E-03
1414	494711.06	3858401.99	0.17103	0.1342	0.5296	0.11477	6.38E-04	4.00E-03	3.38E-03	3.62E-04	8.38E-03	5.81E-04	4.05E-09	4.50E-05	9.88E-06	6.36E-04	7.38E-04	4.00E-03	3.38E-03	3.62E-04	8.48E-03
1415	494761.06	3858401.99	0.16929	0.13288	0.5241	0.11475	6.32E-04	3.96E-03	3.34E-03	3.62E-04	8.30E-03	5.75E-04	4.01E-09	4.46E-05	9.88E-06	6.29E-04	7.31E-04	3.96E-03	3.34E-03	3.62E-04	8.40E-03
1416	494811.06	3858401.99	0.16595	0.13099	0.5147	0.11435	6.19E-04	3.91E-03	3.28E-03	3.61E-04	8.17E-03	5.63E-04	3.96E-09	4.38E-05	9.85E-06	6.17E-04	7.16E-04	3.91E-03	3.28E-03	3.61E-04	8.27E-03
1417	494861.06	3858401.99	0.16321	0.12938	0.5071	0.11404	6.09E-04	3.86E-03	3.23E-03	3.60E-04	8.06E-03	5.54E-04	3.91E-09	4.31E-05	9.82E-06	6.07E-04	7.04E-04	3.86E-03	3.23E-03	3.60E-04	8.16E-03
1418	494911.06	3858401.99	0.16035	0.12781	0.5003	0.11371	5.98E-04	3.81E-03	3.19E-03	3.59E-04	7.96E-03	5.44E-04	3.86E-09	4.25E-05	9.79E-06	5.97E-04	6.92E-04	3.81E-03	3.19E-03	3.59E-04	8.05E-03
1419	494961.06	3858401.99	0.15827	0.12618	0.4929	0.11329	5.91E-04	3.76E-03	3.14E-03	3.58E-04	7.86E-03	5.37E-04	3.81E-09	4.19E-05	9.76E-06	5.89E-04	6.83E-04	3.76E-03	3.14E-03	3.58E-04	7.95E-03
1420	495011.06	3858401.99	0.15592	0.12416	0.4829	0.1127	5.82E-04	3.70E-03	3.08E-03	3.56E-04	7.72E-03	5.29E-04	3.75E-09	4.11E-05	9.70E-06	5.80E-04	6.73E-04	3.70E-03	3.08E-03	3.56E-04	7.81E-03
1421	495061.06	3858401.99	0.15446	0.12253	0.4758	0.1122	5.76E-04	3.66E-03	3.03E-03	3.54E-04	7.62E-03	5.24E-04	3.70E-09	4.05E-05	9.66E-06	5.75E-04	6.67E-04	3.66E-03	3.03E-03	3.54E-04	7.71E-03
1422	495111.06	3858401.99	0.15196	0.11974	0.4636	0.10988	5.67E-04	3.57E-03	2.96E-03	3.47E-04	7.44E-03	5.16E-04	3.62E-09	3.94E-05	9.46E-06	5.65E-04	6.56E-04	3.57E-03	2.96E-03	3.47E-04	7.53E-03
1423	495161.06	3858401.99	0.15161	0.1191	0.4608	0.10983	5.66E-04	3.55E-03	2.94E-03	3.47E-04	7.41E-03	5.15E-04	3.60E-09	3.92E-05	9.46E-06	5.63E-04	6.54E-04	3.55E-03	2.94E-03	3.47E-04	7.49E-03
1424	495211.06	3858401.99	0.14772	0.11669	0.4537	0.10899	5.51E-04	3.48E-03	2.89E-03	3.44E-04	7.27E-03	5.02E-04	3.52E-09	3.86E-05	9.39E-06	5.49E-04	6.37E-04	3.48E-03	2.89E-03	3.44E-04	7.36E-03
1425	495261.06	3858401.99	0.14613	0.11533	0.4489	0.10821	5.45E-04	3.44E-03	2.86E-03	3.42E-04	7.19E-03	4.96E-04	3.48E-09	3.82E-05	9.32E-06	5.44E-04	6.31E-04	3.44E-03	2.86E-03	3.42E-04	7.28E-03
1426	495311.06	3858401.99	0.14455	0.1139	0.4432	0.10744	5.39E-04	3.40E-03	2.83E-03	3.39E-04	7.10E-03	4.91E-04	3.44E-09	3.77E-05	9.25E-06	5.38E-04	6.24E-04	3.40E-03	2.83E-03	3.39E-04	7.19E-03
1427	495361.06	3858401.99	0.1435	0.11292	0.4389	0.10671	5.35E-04	3.37E-03	2.80E-03	3.37E-04	7.04E-03	4.87E-04	3.41E-09	3.73E-05	9.19E-06	5.34E-04	6.19E-04	3.37E-03	2.80E-03	3.37E-04	7.12E-03
1428	495411.06	3858401.99	0.14289	0.11249	0.436	0.10642	5.33E-04	3.36E-03	2.78E-03	3.36E-04	7.01E-03	4.85E-04	3.40E-09	3.71E-05	9.16E-06	5.31E-04	6.17E-04	3.36E-03	2.78E-03	3.36E-04	7.09E-03
1429	495461.06	3858401.99	0.14263	0.11223	0.4336	0.10601	5.32E-04	3.35E-03	2.77E-03	3.35E-04	6.98E-03	4.84E-04	3.39E-09	3.69E-05	9.13E-06	5.30E-04	6.15E-04	3.35E-03	2.77E-03	3.35E-04	7.06E-03
1430	495511.06	3858401.99	0.14211	0.11179	0.4307	0.10551	5.30E-04	3.34E-03	2.75E-03	3.33E-04	6.95E-03	4.82E-04	3.38E-09	3.66E-05	9.09E-06	5.28E-04	6.13E-04	3.34E-03	2.75E-03	3.33E-04	7.03E-03
1431	495561.06	3858401.99	0.14112	0.11024	0.4285	0.10498	5.27E-04	3.29E-03	2.73E-03	3.31E-04	6.88E-03	4.79E-04	3.33E-09	3.64E-05	9.04E-06	5.25E-04	6.09E-04	3.29E-03	2.73E-03	3.31E-04	6.96E-03
1432	495611.06	3858401.99	0.14041	0.10985	0.4258	0.1046	5.24E-04	3.28E-03	2.72E-03	3.30E-04	6.85E-03	4.77E-04	3.32E-09	3.62E-05	9.01E-06	5.22E-04	6.06E-04	3.28E-03	2.72E-03	3.30E-04	6.93E-03
1433	495661.06	3858401.99	0.14122	0.11052	0.4234	0.10427	5.27E-04	3.30E-03	2.70E-03	3.29E-04	6.85E-03	4.79E-04	3.34E-09	3.60E-05	8.98E-06	5.24E-04	6.09E-04	3.30E-03	2.70E-03	3.29E-04	6.94E-03
1434	494311.06	3858451.99	0.20933	0.15507	0.563	0.12361	7.81E-04	4.63E-03	3.59E-03	3.90E-04	9.39E-03	7.11E-04	4.68E-09	4.79E-05	1.06E-05	7.69E-04	9.03E-04	4.63E-03	3.59E-03	3.90E-04	9.51E-03
1435	494361.06	3858451.99	0.2042	0.15319	0.557	0.1224	7.62E-04	4.57E-03	3.55E-03	3.86E-04	9.27E-03	6.93E-04	4.63E-09	4.74E-05	1.05E-05	7.51E-04	8.81E-04	4.57E-03	3.55E-03	3.86E-04	9.39E-03
1436	494411.06	3858451.99	0.19995	0.15163	0.5521	0.12141	7.46E-04	4.52E-03	3.52E-03	3.83E-04	9.17E-03	6.79E-04	4.58E-09	4.70E-05	1.05E-05	7.36E-04	8.63E-04	4.52E-03	3.52E-03	3.83E-04	9.29E-03
1437	494461.06	3858451.99	0.19643	0.15004	0.5449	0.12096	7.33E-04	4.48E-03	3.48E-03	3.82E-04	9.07E-03	6.67E-04	4.53E-09	4.63E-05	1.04E-05	7.24E-04	8.48E-04	4.48E-03	3.48E-03	3.82E-04	9.18E-03
1438	494511.06	3858451.99	0.19517	0.14915	0.5391	0.12091	7.28E-04	4.45E-03	3.44E-03	3.82E-04	9.00E-03	6.63E-04	4.50E-09	4.58E-05	1.04E-05	7.19E-04	8.42E-04	4.45E-03	3.44E-03	3.82E-04	9.11E-03
1439	494561.06	3858451.99	0.19218	0.14695	0.5305	0.12043	7.17E-04	4.38E-03	3.38E-03	3.80E-04	8.87E-03	6.52E-04	4.44E-09	4.51E-05	1.04E-05	7.08E-04	8.29E-04	4.38E-03	3.38E-03	3.80E-04	8.98E-03
1440	494611.06	3858451.99	0.18885	0.14555	0.5269	0.12016	7.05E-04	4.34E-03	3.36E-03	3.79E-04	8.79E-03	6.41E-04	4.40E-09	4.48E-05	1.03E-05	6.96E-04	8.15E-04	4.34E-03	3.36E-03	3.79E-04	8.90E-03
1441	494661.06	3858451.99	0.18592	0.14398	0.523	0.11973	6.94E-04	4.30E-03	3.34E-03	3.78E-04	8.70E-03	6.31E-04	4.35E-09	4.45E-05	1.03E-05	6.86E-04	8.02E-04	4.30E-03	3.34E-03	3.78E-04	8.81E-03
1442	494711.06	3858451.99	0.18096	0.14092	0.5164	0.11909	6.75E-04	4.20E-03	3.29E-03	3.76E-04	8.55E-03	6.14E-04	4.26E-09	4.39E-05	1.03E-05	6.69E-04	7.81E-04	4.20E-03	3.29E-03	3.76E-04	8.65E-03
1443	494761.06	3858451.99	0.17696	0.1386	0.5085	0.11843	6.60E-04	4.13E-03	3.24E-03	3.74E-04	8.41E-03	6.01E-04	4.19E-09	4.32E-05	1.02E-05	6.54E-04	7.64E-04	4.13E-03	3.24E-03	3.74E-04	8.52E-03
1444	494811.06	3858451.99	0.1747	0.1368	0.4998	0.11791	6.52E-04	4.08E-03	3.19E-03	3.72E-04	8.29E-03	5.93E-04	4.13E-09	4.25E-05	1.02E-05	6.46E-04	7.54E-04	4.08E-03	3.19E-03	3.72E-04	8.40E-03
1445	494861.06	3858451.99	0.17062	0.13475	0.4929	0.1168	6.37E-04	4.02E-03	3.14E-03	3.69E-04	8.17E-03	5.79E-04	4.07E-09	4.19E-05	1.01E-05	6.31E-04	7.36E-04	4.02E-03	3.14E-03	3.69E-04	8.27E-03
1446	494911.06	3858451.99	0.16697	0.13096	0.488	0.11604	6.23E-04	3.91E-03	3.11E-03	3.66E-04	8.01E-03	5.67E-04	3.95E-09	4.15E-05	9.99E-06	6.18E-04	7.20E-04	3.91E-03	3.11E-03	3.66E-04	8.11E-03
1447	494961.06	3858451.99	0.16389	0.12985	0.4801	0.11464	6.12E-04	3.87E-03	3.06E-03	3.62E-04	7.91E-03	5.56E-04	3.92E-09	4.08E-05	9.87E-06	6.07E-04	7.07E-04	3.87E-03	3.06E-03	3.62E-04	8.01E-03
1448	495011.06	3858451.99	0.15926	0.12727	0.4737	0.11355	5.94E-04	3.80E-03	3.02E-03	3.59E-04	7.77E-03	5.41E-04	3.84E-09	4.03E-05	9.78E-06	5.91E-04	6.87E-04	3.80E-03	3.02E-03	3.59E-04	7.86E-03
1449	495061.06	3858451.99	0.15737	0.12628	0.4701	0.11302	5.87E-04	3.77E-03	3.00E-03	3.57E-04	7.71E-03	5.34E-04	3.81E-09	4.00E-05	9.73E-06	5.84E-04	6.79E-04	3.77E-03	3.00E-03	3.57E-04	7.80E-03
1450	495111.06	3858451.99	0.15364	0.12425	0.4628	0.11246	5.73E-04	3.71E-03	2.95E-03	3.55E-04	7.59E-03	5.22E-04	3.75E-09	3.94E-05	9.68E-06	5.71E-04	6.63E-04	3.71E-03	2.95E-03	3.55E-04	7.68E-03
1451	495161.06	3858451.99	0.15155	0.12225	0.4514	0.1116	5.66E-04	3.65E-03	2.88E-03	3.52E-04	7.44E-03	5.15E-04	3.69E-09	3.84E-05	9.61E-06	5.63E-04	6.54E-04	3.65E-03	2.88E-03	3.52E-04	7.53E-03
1452	495211.06	3858451.99	0.14974	0.12045	0.4445	0.10954	5.59E-04	3.59E-03	2.83E-03	3.46E-04	7.33E-03	5.08E-04	3.64E-09	3.78E-05	9.43E-06	5.56E-04	6.46E-04	3.59E-03	2.83E-03	3.46E-04	7.42E-03
1453	495261.06	3858451.99	0.14843	0.11901	0.44	0.10861	5.54E-04	3.55E-03	2.81E-03	3.43E-04	7.25E-03	5.04E-04	3.59E-09	3.74E-05	9.35E-06	5.51E-04	6.40E-04	3.55E-03	2.81E-03	3.43E-04	7.34E-03
1454	495311.06	3858451.99	0.14725	0.11783	0.4362	0.10789	5.49E-04	3.52E-03	2.78E-03	3.41E-04	7.19E-03	5.00E-04	3.56E-09	3.71E-05	9.29E-06	5.46E-04	6.35E-04	3.52E-03	2.78E-03	3.41E-04	7.27E-03
1455	495361.06	3858451.99	0.14531	0.11684	0.4331	0.10751	5.42E-04	3.49E-03	2.76E-03	3.39E-04	7.13E-03	4.93E-04	3.53E-09	3.68E-05	9.26E-06	5.39E-04	6.27E-04	3.49E-03	2.76E-03	3.39E-04	7.21E-03
1456	495411.06	3858451.99	0.14538	0.11645	0.4315	0.1072	5.42E-04	3.47E-03	2.75E-03	3.38E-04	7.11E-03	4.94E-04	3.52E-09	3.67E-05	9.23E-06	5.39E-04	6.27E-04	3.47E-03	2.75E-03	3.38E-04	7.19E-03
1457	495461.06	3858451.99	0.1455	0.11618	0.43	0.10699	5.43E-04	3.47E-03	2.74E-03	3.38E-04	7.09E-03	4.94E-04	3.51E-09	3.66E-05	9.21E-06	5.40E-04	6.28E-04	3.47E-03	2.74E-03	3.38E-04	7.17E-03
1458	495511.06	3858451.99	0.14451	0.11492	0.4256	0.10635	5.39E-04	3.43E-03	2.71E-03	3.36E-04	7.02E-03	4.91E-04	3.47E-09	3.62E-05	9.16E-06	5.36E-04	6.24E-04	3.43E-03	2.71E-03	3.36E-04	7.10E-03
1459	495561.06	3858451.99	0.1452	0.11477	0.4255	0.10626	5.42E-04	3.42E-03	2.71E-03	3.36E-04	7.02E-03	4.93E-04	3.47E-09	3.62E-05	9.15E-06	5.38E-04	6.27E-04	3.42E-03	2.71E-03	3.36E-04	7.10E-03
1460	495611.06	3858451.99	0.1435	0.11329	0.4203	0.10551	5.35E-04	3.38E-03	2.68E-03	3.33E-04	6.93E-03	4.87E-04	3.42E-09	3.57E-05	9.09E-06	5.32E-04	6.19E-04	3.38E-03	2.68E-03	3.33E-04	7.01E-03

1461	495661.06	3858451.99	0.14359	0.11279	0.4197	0.10536	5.36E-04	3.36E-03	2.68E-03	3.33E-04	6.91E-03	4.87E-04	3.41E-09	3.57E-05	9.07E-06	5.32E-04	6.20E-04	3.36E-03	2.68E-03	3.33E-04	6.99E-03
1462	494311.06	3858501.99	0.21347	0.15898	0.5779	0.12468	7.97E-04	4.74E-03	3.69E-03	3.94E-04	9.62E-03	7.25E-04	4.80E-09	4.92E-05	1.07E-05	7.85E-04	9.21E-04	4.74E-03	3.69E-03	3.94E-04	9.74E-03
1463	494361.06	3858501.99	0.21188	0.15765	0.5716	0.12423	7.91E-04	4.70E-03	3.65E-03	3.92E-04	9.53E-03	7.19E-04	4.76E-09	4.86E-05	1.07E-05	7.79E-04	9.14E-04	4.70E-03	3.65E-03	3.92E-04	9.66E-03
1464	494411.06	3858501.99	0.20917	0.15583	0.5661	0.12379	7.81E-04	4.65E-03	3.61E-03	3.91E-04	9.43E-03	7.10E-04	4.71E-09	4.81E-05	1.07E-05	7.69E-04	9.03E-04	4.65E-03	3.61E-03	3.91E-04	9.55E-03
1465	494461.06	3858501.99	0.20809	0.15492	0.5596	0.12384	7.76E-04	4.62E-03	3.57E-03	3.91E-04	9.36E-03	7.06E-04	4.68E-09	4.76E-05	1.07E-05	7.65E-04	8.98E-04	4.62E-03	3.57E-03	3.91E-04	9.48E-03
1466	494511.06	3858501.99	0.20301	0.15293	0.5489	0.12337	7.58E-04	4.56E-03	3.50E-03	3.90E-04	9.21E-03	6.89E-04	4.62E-09	4.67E-05	1.06E-05	7.47E-04	8.76E-04	4.56E-03	3.50E-03	3.90E-04	9.33E-03
1467	494561.06	3858501.99	0.20415	0.15282	0.5455	0.12376	7.62E-04	4.56E-03	3.48E-03	3.91E-04	9.19E-03	6.93E-04	4.61E-09	4.64E-05	1.07E-05	7.50E-04	8.81E-04	4.56E-03	3.48E-03	3.91E-04	9.31E-03
1468	494611.06	3858501.99	0.19927	0.15064	0.5379	0.12238	7.44E-04	4.49E-03	3.43E-03	3.86E-04	9.05E-03	6.77E-04	4.55E-09	4.57E-05	1.05E-05	7.33E-04	8.60E-04	4.49E-03	3.43E-03	3.86E-04	9.17E-03
1469	494661.06	3858501.99	0.19708	0.14915	0.5329	0.1215	7.35E-04	4.45E-03	3.40E-03	3.84E-04	8.97E-03	6.69E-04	4.50E-09	4.53E-05	1.05E-05	7.25E-04	8.50E-04	4.45E-03	3.40E-03	3.84E-04	9.08E-03
1470	494711.06	3858501.99	0.19278	0.147	0.5256	0.12014	7.19E-04	4.39E-03	3.35E-03	3.79E-04	8.84E-03	6.54E-04	4.44E-09	4.47E-05	1.03E-05	7.10E-04	8.32E-04	4.39E-03	3.35E-03	3.79E-04	8.95E-03
1471	494761.06	3858501.99	0.18758	0.14448	0.5055	0.11913	7.00E-04	4.31E-03	3.22E-03	3.76E-04	8.61E-03	6.37E-04	4.36E-09	4.30E-05	1.03E-05	6.90E-04	8.09E-04	4.31E-03	3.22E-03	3.76E-04	8.72E-03
1472	494811.06	3858501.99	0.18358	0.14155	0.499	0.11828	6.85E-04	4.22E-03	3.18E-03	3.73E-04	8.46E-03	6.23E-04	4.27E-09	4.24E-05	1.02E-05	6.76E-04	7.92E-04	4.22E-03	3.18E-03	3.73E-04	8.57E-03
1473	494861.06	3858501.99	0.18026	0.13974	0.495	0.11755	6.73E-04	4.17E-03	3.16E-03	3.71E-04	8.37E-03	6.12E-04	4.22E-09	4.21E-05	1.01E-05	6.64E-04	7.78E-04	4.17E-03	3.16E-03	3.71E-04	8.48E-03
1474	494911.06	3858501.99	0.17207	0.13617	0.4891	0.11565	6.42E-04	4.06E-03	3.12E-03	3.65E-04	8.19E-03	5.84E-04	4.11E-09	4.16E-05	9.96E-06	6.36E-04	7.43E-04	4.06E-03	3.12E-03	3.65E-04	8.29E-03
1475	494961.06	3858501.99	0.16884	0.13455	0.484	0.11459	6.30E-04	4.01E-03	3.09E-03	3.62E-04	8.09E-03	5.73E-04	4.06E-09	4.12E-05	9.87E-06	6.24E-04	7.29E-04	4.01E-03	3.09E-03	3.62E-04	8.19E-03
1476	495011.06	3858501.99	0.16518	0.13189	0.4739	0.11311	6.16E-04	3.93E-03	3.02E-03	3.57E-04	7.93E-03	5.61E-04	3.98E-09	4.03E-05	9.74E-06	6.11E-04	7.13E-04	3.93E-03	3.02E-03	3.57E-04	8.03E-03
1477	495061.06	3858501.99	0.16368	0.13082	0.4705	0.11276	6.11E-04	3.90E-03	3.00E-03	3.56E-04	7.87E-03	5.56E-04	3.95E-09	4.00E-05	9.71E-06	6.05E-04	7.06E-04	3.90E-03	3.00E-03	3.56E-04	7.97E-03
1478	495111.06	3858501.99	0.15898	0.12748	0.4605	0.11184	5.93E-04	3.80E-03	2.94E-03	3.53E-04	7.69E-03	5.40E-04	3.85E-09	3.92E-05	9.63E-06	5.89E-04	6.86E-04	3.80E-03	2.94E-03	3.53E-04	7.78E-03
1479	495161.06	3858501.99	0.15513	0.12527	0.4543	0.11088	5.79E-04	3.74E-03	2.90E-03	3.50E-04	7.56E-03	5.27E-04	3.78E-09	3.86E-05	9.55E-06	5.75E-04	6.69E-04	3.74E-03	2.90E-03	3.50E-04	7.65E-03
1480	495211.06	3858501.99	0.15153	0.12322	0.4469	0.10985	5.65E-04	3.68E-03	2.85E-03	3.47E-04	7.44E-03	5.14E-04	3.72E-09	3.80E-05	9.46E-06	5.62E-04	6.54E-04	3.68E-03	2.85E-03	3.47E-04	7.53E-03
1481	495261.06	3858501.99	0.15003	0.12178	0.4402	0.1095	5.60E-04	3.63E-03	2.81E-03	3.46E-04	7.35E-03	5.09E-04	3.68E-09	3.74E-05	9.43E-06	5.56E-04	6.47E-04	3.63E-03	2.81E-03	3.46E-04	7.43E-03
1482	495311.06	3858501.99	0.14938	0.12087	0.435	0.1094	5.57E-04	3.61E-03	2.77E-03	3.45E-04	7.28E-03	5.07E-04	3.65E-09	3.70E-05	9.42E-06	5.54E-04	6.45E-04	3.61E-03	2.77E-03	3.45E-04	7.37E-03
1483	495361.06	3858501.99	0.14908	0.11991	0.4315	0.10908	5.56E-04	3.58E-03	2.75E-03	3.44E-04	7.23E-03	5.06E-04	3.62E-09	3.67E-05	9.39E-06	5.52E-04	6.43E-04	3.58E-03	2.75E-03	3.44E-04	7.32E-03
1484	495411.06	3858501.99	0.14903	0.11927	0.4305	0.1091	5.56E-04	3.56E-03	2.75E-03	3.44E-04	7.20E-03	5.06E-04	3.60E-09	3.66E-05	9.39E-06	5.52E-04	6.43E-04	3.56E-03	2.75E-03	3.44E-04	7.29E-03
1485	495461.06	3858501.99	0.14891	0.11865	0.4295	0.10912	5.56E-04	3.54E-03	2.74E-03	3.45E-04	7.18E-03	5.06E-04	3.58E-09	3.65E-05	9.40E-06	5.51E-04	6.43E-04	3.54E-03	2.74E-03	3.45E-04	7.27E-03
1486	495511.06	3858501.99	0.14837	0.11796	0.4279	0.10903	5.54E-04	3.52E-03	2.73E-03	3.44E-04	7.15E-03	5.04E-04	3.56E-09	3.64E-05	9.39E-06	5.50E-04	6.40E-04	3.52E-03	2.73E-03	3.44E-04	7.23E-03
1487	495561.06	3858501.99	0.14921	0.11791	0.4282	0.10924	5.57E-04	3.52E-03	2.73E-03	3.45E-04	7.15E-03	5.07E-04	3.56E-09	3.64E-05	9.41E-06	5.52E-04	6.44E-04	3.52E-03	2.73E-03	3.45E-04	7.24E-03
1488	495611.06	3858501.99	0.14826	0.11689	0.4281	0.1096	5.53E-04	3.49E-03	2.73E-03	3.46E-04	7.12E-03	5.03E-04	3.53E-09	3.64E-05	9.44E-06	5.49E-04	6.40E-04	3.49E-03	2.73E-03	3.46E-04	7.20E-03
1489	495661.06	3858501.99	0.14784	0.11654	0.4254	0.10824	5.52E-04	3.48E-03	2.71E-03	3.42E-04	7.08E-03	5.02E-04	3.52E-09	3.62E-05	9.32E-06	5.47E-04	6.38E-04	3.48E-03	2.71E-03	3.42E-04	7.17E-03
1490	494311.06	3858551.99	0.21032	0.15878	0.5788	0.12522	7.85E-04	4.74E-03	3.69E-03	3.95E-04	9.61E-03	7.14E-04	4.79E-09	4.92E-05	1.08E-05	7.74E-04	9.08E-04	4.74E-03	3.69E-03	3.95E-04	9.73E-03
1491	494361.06	3858551.99	0.21406	0.15969	0.5862	0.12534	7.99E-04	4.76E-03	3.74E-03	3.96E-04	9.70E-03	7.27E-04	4.82E-09	4.99E-05	1.08E-05	7.87E-04	9.24E-04	4.76E-03	3.74E-03	3.96E-04	9.82E-03
1492	494411.06	3858551.99	0.21676	0.16118	0.5796	0.12522	8.09E-04	4.81E-03	3.70E-03	3.95E-04	9.71E-03	7.36E-04	4.87E-09	4.93E-05	1.08E-05	7.96E-04	9.35E-04	4.81E-03	3.70E-03	3.95E-04	9.84E-03
1493	494461.06	3858551.99	0.21629	0.16078	0.5762	0.12531	8.07E-04	4.80E-03	3.68E-03	3.96E-04	9.67E-03	7.34E-04	4.86E-09	4.90E-05	1.08E-05	7.94E-04	9.33E-04	4.80E-03	3.68E-03	3.96E-04	9.80E-03
1494	494511.06	3858551.99	0.21338	0.15952	0.5678	0.12501	7.96E-04	4.76E-03	3.62E-03	3.95E-04	9.57E-03	7.24E-04	4.82E-09	4.83E-05	1.08E-05	7.83E-04	9.21E-04	4.76E-03	3.62E-03	3.95E-04	9.70E-03
1495	494561.06	3858551.99	0.21171	0.15856	0.5646	0.12479	7.90E-04	4.73E-03	3.60E-03	3.94E-04	9.52E-03	7.19E-04	4.79E-09	4.80E-05	1.07E-05	7.78E-04	9.14E-04	4.73E-03	3.60E-03	3.94E-04	9.64E-03
1496	494611.06	3858551.99	0.20886	0.15677	0.5587	0.12432	7.79E-04	4.68E-03	3.56E-03	3.93E-04	9.41E-03	7.09E-04	4.73E-09	4.75E-05	1.07E-05	7.67E-04	9.01E-04	4.68E-03	3.56E-03	3.93E-04	9.53E-03
1497	494661.06	3858551.99	0.20656	0.15508	0.5539	0.12397	7.71E-04	4.63E-03	3.53E-03	3.91E-04	9.32E-03	7.01E-04	4.68E-09	4.71E-05	1.07E-05	7.59E-04	8.91E-04	4.63E-03	3.53E-03	3.91E-04	9.44E-03
1498	494711.06	3858551.99	0.20266	0.15196	0.5364	0.12316	7.56E-04	4.53E-03	3.42E-03	3.89E-04	9.10E-03	6.88E-04	4.59E-09	4.56E-05	1.06E-05	7.44E-04	8.75E-04	4.53E-03	3.42E-03	3.89E-04	9.22E-03
1499	494761.06	3858551.99	0.19889	0.1493	0.5247	0.12244	7.42E-04	4.45E-03	3.35E-03	3.87E-04	8.93E-03	6.75E-04	4.51E-09	4.46E-05	1.05E-05	7.30E-04	8.58E-04	4.45E-03	3.35E-03	3.87E-04	9.05E-03
1500	494811.06	3858551.99	0.19502	0.14726	0.5182	0.1212	7.28E-04	4.39E-03	3.31E-03	3.83E-04	8.81E-03	6.62E-04	4.45E-09	4.41E-05	1.04E-05	7.17E-04	8.42E-04	4.39E-03	3.31E-03	3.83E-04	8.92E-03
1501	494861.06	3858551.99	0.19045	0.1444	0.5057	0.1198	7.11E-04	4.31E-03	3.23E-03	3.78E-04	8.62E-03	6.47E-04	4.36E-09	4.30E-05	1.03E-05	7.00E-04	8.22E-04	4.31E-03	3.23E-03	3.78E-04	8.73E-03
1502	494911.06	3858551.99	0.18451	0.14116	0.4766	0.11885	6.88E-04	4.21E-03	3.04E-03	3.75E-04	8.32E-03	6.26E-04	4.26E-09	4.05E-05	1.02E-05	6.77E-04	7.96E-04	4.21E-03	3.04E-03	3.75E-04	8.42E-03
1503	494961.06	3858551.99	0.18015	0.1387	0.4666	0.11779	6.72E-04	4.14E-03	2.98E-03	3.72E-04	8.16E-03	6.12E-04	4.19E-09	3.97E-05	1.01E-05	6.61E-04	7.77E-04	4.14E-03	2.98E-03	3.72E-04	8.26E-03
1504	495011.06	3858551.99	0.17247	0.13555	0.4619	0.11636	6.44E-04	4.04E-03	2.95E-03	3.67E-04	8.00E-03	5.86E-04	4.09E-09	3.93E-05	1.00E-05	6.35E-04	7.44E-04	4.04E-03	2.95E-03	3.67E-04	8.10E-03
1505	495061.06	3858551.99	0.16785	0.13382	0.459	0.11543	6.26E-04	3.99E-03	2.93E-03	3.64E-04	7.91E-03	5.70E-04	4.04E-09	3.90E-05	9.94E-06	6.19E-04	7.24E-04	3.99E-03	2.93E-03	3.64E-04	8.01E-03
1506	495111.06	3858551.99	0.16225	0.13007	0.454	0.11299	6.05E-04	3.88E-03	2.90E-03	3.57E-04	7.74E-03	5.51E-04	3.93E-09	3.86E-05	9.73E-06	5.99E-04	7.00E-04	3.88E-03	2.90E-03	3.57E-04	7.83E-03
1507	495161.06	3858551.99	0.15949	0.12791	0.4507	0.11229	5.95E-04	3.82E-03	2.87E-03	3.55E-04	7.64E-03	5.41E-04	3.86E-09	3.83E-05	9.67E-06	5.89E-04	6.88E-04	3.82E-03	2.87E-03	3.55E-04	7.73E-03
1508	495211.06	3858551.99	0.15702	0.12617	0.4476	0.11199	5.86E-04	3.76E-03	2.86E-03	3.54E-04	7.56E-03	5.33E-04	3.81E-09	3.81E-05	9.64E-06	5.81E-04	6.78E-04	3.76E-03	2.86E-03	3.54E-04	7.65E-03
1509	495261.06	3858551.99	0.15531	0.12493	0.4454	0.11168	5.80E-04	3.73E-03	2.84E-03	3.53E-04	7.50E-03	5.27E-04	3.77E-09	3.79E-05	9.62E-06	5.75E-04	6.70E-04	3.73E-03	2.84E-03	3.53E-04	7.59E-03
1510	495311.06	3858551.99	0.15472	0.1243	0.4433	0.11141	5.77E-04	3.71E-03	2.83E-03	3.52E-04	7.47E-03	5.25E-04	3.75E-09	3.77E-05	9.59E-06	5.73E-04	6.68E-04	3.71E-03	2.83E-03	3.52E-04	7.56E-03
1511	495361.06	3858551.99	0.15362	0.12354	0.4408	0.11097	5.73E-04	3.69E-03	2.81E-03	3.50E-04	7.42E-03	5.22E-04	3.73E-09	3.75E-05	9.56E-06	5.69E-04	6.63E-04	3.69E-03	2.81E-03	3.50E-04	7.51E-03
1512	495411.06	3858551.99	0.15285	0.12316	0.4392	0.11066	5.70E-04	3.67E-03	2.80E-03	3.49E-04	7.40E-03	5.19E-04	3.72E-09	3.74E-05	9.53E-06	5.66E-04	6.60E-04	3.67E-03	2.80E-03	3.49E-04	7.48E-03
1513	495461.06	3858551.99	0.15124	0.12253	0.4366	0.11033	5.64E-04	3.66E-03	2.78E-03	3.48E-04	7.35E-03	5.13E-04	3.70E-09	3.71E-05	9.50E-06	5.60E-04	6.53E-04	3.66E-03	2.78E-03	3.48E-04	7.44E-03
1514	495511.06	3858551.99	0.15075	0.12218	0.4346	0.11015	5.63E-04	3.65E-03	2.77E-03	3.48E-04	7.33E-03	5.12E-04	3.69E-09	3.70E-05	9.49E-06	5.58E-04	6.51E-04	3.65E-03	2.77E-03	3.48E-04	7.42E-03
1515	495561.06	3858551.99	0.15078	0.12139	0.432	0.10988	5.63E-04	3.62E-03	2.76E-03	3.47E-04	7.29E-03	5.12E-04	3.67E-09	3.67E-05	9.46E-06	5.58E-04	6.51E-04	3.62E-03	2.76E-03	3.47E-04	7.37E-03
1516	495611.06	3858551.99	0.15072	0.12045	0.4291	0.10957	5.62E-04	3.59E-03	2.74E-03	3.46E-04	7.24E-03	5.12E-04	3.64E-09	3.65E-05	9.44E-06	5.58E-04	6.50E-04	3.59E-03	2.74E-03	3.46E-04	7.33E-03
1517	495661.06	3858551.99	0.14993	0.11941	0.426	0.10891	5.59E-04	3.56E-03	2.72E-03	3.44E-04	7.18E-03	5.09E-04	3.61E-09	3.62E-05	9.38E-06	5.55E-04	6.47E-04	3.56E-03	2.72E-03	3.44E-04	7.27E-03
1518	494311.06	3858601.99	0.19616	0.15356	0.5382	0.12275	7.32E-04	4.58E-03	3.43E-03	3.88E-04	9.13E-03	6.66E-04	4.64E-09	4.58E-05	1.06E-05	7.22E-04	8.46E-04	4.58E-03	3.43E-03	3.88E-04	9.25E-03
1519	494361.06	3858601.99	0.21392	0.16108	0.5961	0.1253	7.98E-04	4.81E-03	3.80E-03	3.96E-04	9.80E-03	7.26E-04	4.86E-09	5.07E-05	1.08E-05	7.88E-04	9.23E-04	4.81E-03	3.80E-03	3.96E-04	9.93E-03
1520	494411.06	3858601.99	0.22871	0.16775	0.6014	0.12846	8.53E-04	5.00E-03	3.84E-03	4.06E-04	1.01E-02	7.76E-04	5.07E-09	5.11E-05	1.11E-05	8.39E-04	9.87E-04	5.00E-03	3.84E-03	4.06E-04	1.02E-02
1521	494461.06	3858601.99	0.22816	0.16732	0.6003	0.12896	8.51E-04	4.99E-03	3.83E-03	4.07E-04	1.01E-02	7.75E-04	5.05E-09	5.11E-05	1.11E-05	8.37E-04	9.85E-04	4.99E-03	3.83E-03	4.07E-04	1.02E-02

1522	494511.06	3858601.99	0.2242	0.16406	0.5987	0.1292	8.37E-04	4.89E-03	3.82E-03	4.08E-04	9.96E-03	7.61E-04	4.95E-09	5.09E-05	1.11E-05	8.23E-04	9.67E-04	4.89E-03	3.82E-03	4.08E-04	1.01E-02
1523	494561.06	3858601.99	0.2245	0.16521	0.595	0.12953	8.38E-04	4.93E-03	3.79E-03	4.09E-04	9.97E-03	7.62E-04	4.99E-09	5.06E-05	1.12E-05	8.24E-04	9.69E-04	4.93E-03	3.79E-03	4.09E-04	1.01E-02
1524	494611.06	3858601.99	0.22045	0.16245	0.5844	0.12912	8.23E-04	4.85E-03	3.73E-03	4.08E-04	9.80E-03	7.48E-04	4.91E-09	4.97E-05	1.11E-05	8.09E-04	9.51E-04	4.85E-03	3.73E-03	4.08E-04	9.93E-03
1525	494661.06	3858601.99	0.2169	0.16085	0.5745	0.12835	8.09E-04	4.80E-03	3.66E-03	4.05E-04	9.68E-03	7.36E-04	4.86E-09	4.89E-05	1.11E-05	7.96E-04	9.36E-04	4.80E-03	3.66E-03	4.05E-04	9.80E-03
1526	494711.06	3858601.99	0.21179	0.15845	0.5606	0.12628	7.90E-04	4.73E-03	3.58E-03	3.99E-04	9.49E-03	7.19E-04	4.78E-09	4.77E-05	1.09E-05	7.78E-04	9.14E-04	4.73E-03	3.58E-03	3.99E-04	9.62E-03
1527	494761.06	3858601.99	0.20692	0.15584	0.544	0.1249	7.72E-04	4.65E-03	3.47E-03	3.94E-04	9.29E-03	7.02E-04	4.71E-09	4.63E-05	1.08E-05	7.60E-04	8.93E-04	4.65E-03	3.47E-03	3.94E-04	9.41E-03
1528	494811.06	3858601.99	0.2018	0.15132	0.5144	0.1229	7.53E-04	4.51E-03	3.28E-03	3.88E-04	8.94E-03	6.85E-04	4.57E-09	4.37E-05	1.06E-05	7.39E-04	8.71E-04	4.51E-03	3.28E-03	3.88E-04	9.05E-03
1529	494861.06	3858601.99	0.19859	0.14921	0.5102	0.12184	7.41E-04	4.45E-03	3.25E-03	3.85E-04	8.83E-03	6.74E-04	4.51E-09	4.34E-05	1.05E-05	7.28E-04	8.57E-04	4.45E-03	3.25E-03	3.85E-04	8.95E-03
1530	494911.06	3858601.99	0.19201	0.14545	0.5019	0.11994	7.16E-04	4.34E-03	3.20E-03	3.79E-04	8.64E-03	6.52E-04	4.39E-09	4.27E-05	1.03E-05	7.05E-04	8.29E-04	4.34E-03	3.20E-03	3.79E-04	8.75E-03
1531	494961.06	3858601.99	0.18769	0.143	0.4876	0.11838	7.00E-04	4.27E-03	3.11E-03	3.74E-04	8.45E-03	6.37E-04	4.32E-09	4.15E-05	1.02E-05	6.89E-04	8.10E-04	4.27E-03	3.11E-03	3.74E-04	8.56E-03
1532	495011.06	3858601.99	0.18338	0.14046	0.4647	0.11727	6.84E-04	4.19E-03	2.96E-03	3.70E-04	8.21E-03	6.23E-04	4.24E-09	3.95E-05	1.01E-05	6.72E-04	7.91E-04	4.19E-03	2.96E-03	3.70E-04	8.32E-03
1533	495061.06	3858601.99	0.17834	0.13779	0.4518	0.11606	6.65E-04	4.11E-03	2.88E-03	3.66E-04	8.02E-03	6.05E-04	4.16E-09	3.84E-05	9.99E-06	6.54E-04	7.70E-04	4.11E-03	2.88E-03	3.66E-04	8.13E-03
1534	495111.06	3858601.99	0.16891	0.13429	0.4466	0.11485	6.30E-04	4.01E-03	2.85E-03	3.63E-04	7.85E-03	5.73E-04	4.06E-09	3.80E-05	9.89E-06	6.21E-04	7.29E-04	4.01E-03	2.85E-03	3.63E-04	7.95E-03
1535	495161.06	3858601.99	0.16471	0.13229	0.4425	0.11395	6.15E-04	3.95E-03	2.82E-03	3.60E-04	7.74E-03	5.59E-04	3.99E-09	3.76E-05	9.81E-06	6.07E-04	7.11E-04	3.95E-03	2.82E-03	3.60E-04	7.84E-03
1536	495211.06	3858601.99	0.16192	0.13099	0.4393	0.11341	6.04E-04	3.91E-03	2.80E-03	3.58E-04	7.67E-03	5.50E-04	3.96E-09	3.74E-05	9.77E-06	5.97E-04	6.99E-04	3.91E-03	2.80E-03	3.58E-04	7.77E-03
1537	495261.06	3858601.99	0.15881	0.12948	0.436	0.11255	5.93E-04	3.86E-03	2.78E-03	3.55E-04	7.59E-03	5.39E-04	3.91E-09	3.71E-05	9.69E-06	5.86E-04	6.85E-04	3.86E-03	2.78E-03	3.55E-04	7.68E-03
1538	495311.06	3858601.99	0.15756	0.1284	0.433	0.11181	5.88E-04	3.83E-03	2.76E-03	3.53E-04	7.53E-03	5.35E-04	3.88E-09	3.68E-05	9.63E-06	5.81E-04	6.80E-04	3.83E-03	2.76E-03	3.53E-04	7.63E-03
1539	495361.06	3858601.99	0.1576	0.12778	0.4308	0.11123	5.88E-04	3.81E-03	2.75E-03	3.51E-04	7.50E-03	5.35E-04	3.86E-09	3.66E-05	9.58E-06	5.81E-04	6.80E-04	3.81E-03	2.75E-03	3.51E-04	7.59E-03
1540	495411.06	3858601.99	0.15734	0.12706	0.4285	0.11083	5.87E-04	3.79E-03	2.73E-03	3.50E-04	7.46E-03	5.34E-04	3.84E-09	3.64E-05	9.54E-06	5.80E-04	6.79E-04	3.79E-03	2.73E-03	3.50E-04	7.55E-03
1541	495461.06	3858601.99	0.15729	0.12645	0.4263	0.1108	5.87E-04	3.77E-03	2.72E-03	3.50E-04	7.43E-03	5.34E-04	3.82E-09	3.63E-05	9.54E-06	5.80E-04	6.79E-04	3.77E-03	2.72E-03	3.50E-04	7.52E-03
1542	495511.06	3858601.99	0.15587	0.12515	0.4236	0.11065	5.82E-04	3.73E-03	2.70E-03	3.49E-04	7.37E-03	5.29E-04	3.78E-09	3.60E-05	9.53E-06	5.75E-04	6.73E-04	3.73E-03	2.70E-03	3.49E-04	7.46E-03
1543	495561.06	3858601.99	0.15665	0.12485	0.4211	0.1107	5.85E-04	3.72E-03	2.69E-03	3.50E-04	7.34E-03	5.32E-04	3.77E-09	3.58E-05	9.53E-06	5.77E-04	6.76E-04	3.72E-03	2.69E-03	3.50E-04	7.44E-03
1544	495611.06	3858601.99	0.15476	0.12336	0.4176	0.11039	5.77E-04	3.68E-03	2.66E-03	3.49E-04	7.27E-03	5.25E-04	3.73E-09	3.55E-05	9.51E-06	5.70E-04	6.68E-04	3.68E-03	2.66E-03	3.49E-04	7.36E-03
1545	495661.06	3858601.99	0.15455	0.1229	0.4154	0.1102	5.77E-04	3.67E-03	2.65E-03	3.48E-04	7.24E-03	5.25E-04	3.71E-09	3.53E-05	9.49E-06	5.70E-04	6.67E-04	3.67E-03	2.65E-03	3.48E-04	7.33E-03
1546	494311.06	3858651.99	0.19494	0.1549	0.5435	0.1223	7.27E-04	4.62E-03	3.47E-03	3.86E-04	9.20E-03	6.62E-04	4.68E-09	4.62E-05	1.05E-05	7.19E-04	8.41E-04	4.62E-03	3.47E-03	3.86E-04	9.32E-03
1547	494361.06	3858651.99	0.21141	0.16265	0.5618	0.12646	7.89E-04	4.85E-03	3.58E-03	3.99E-04	9.62E-03	7.18E-04	4.91E-09	4.78E-05	1.09E-05	7.76E-04	9.12E-04	4.85E-03	3.58E-03	3.99E-04	9.75E-03
1548	494411.06	3858651.99	0.23312	0.17236	0.5727	0.13079	8.70E-04	5.14E-03	3.65E-03	4.13E-04	1.01E-02	7.91E-04	5.20E-09	4.87E-05	1.13E-05	8.51E-04	1.01E-03	5.14E-03	3.65E-03	4.13E-04	1.02E-02
1549	494461.06	3858651.99	0.23623	0.17397	0.5723	0.13069	8.81E-04	5.19E-03	3.65E-03	4.13E-04	1.01E-02	8.02E-04	5.25E-09	4.87E-05	1.13E-05	8.62E-04	1.02E-03	5.19E-03	3.65E-03	4.13E-04	1.03E-02
1550	494511.06	3858651.99	0.23555	0.17248	0.571	0.1304	8.79E-04	5.15E-03	3.64E-03	4.12E-04	1.01E-02	8.00E-04	5.21E-09	4.86E-05	1.12E-05	8.59E-04	1.02E-03	5.15E-03	3.64E-03	4.12E-04	1.02E-02
1551	494561.06	3858651.99	0.23456	0.17136	0.569	0.13029	8.75E-04	5.11E-03	3.63E-03	4.11E-04	1.00E-02	7.96E-04	5.17E-09	4.84E-05	1.12E-05	8.56E-04	1.01E-03	5.11E-03	3.63E-03	4.11E-04	1.02E-02
1552	494611.06	3858651.99	0.23202	0.16996	0.5662	0.12965	8.66E-04	5.07E-03	3.61E-03	4.09E-04	9.96E-03	7.88E-04	5.13E-09	4.82E-05	1.12E-05	8.47E-04	1.00E-03	5.07E-03	3.61E-03	4.09E-04	1.01E-02
1553	494661.06	3858651.99	0.22777	0.16773	0.5625	0.12847	8.50E-04	5.00E-03	3.59E-03	4.06E-04	9.85E-03	7.73E-04	5.07E-09	4.78E-05	1.11E-05	8.32E-04	9.83E-04	5.00E-03	3.59E-03	4.06E-04	9.98E-03
1554	494711.06	3858651.99	0.22043	0.16454	0.5586	0.12669	8.23E-04	4.91E-03	3.56E-03	4.00E-04	9.69E-03	7.48E-04	4.97E-09	4.75E-05	1.09E-05	8.07E-04	9.51E-04	4.91E-03	3.56E-03	4.00E-04	9.82E-03
1555	494761.06	3858651.99	0.21656	0.16204	0.5554	0.12558	8.08E-04	4.83E-03	3.54E-03	3.97E-04	9.58E-03	7.35E-04	4.89E-09	4.72E-05	1.08E-05	7.93E-04	9.34E-04	4.83E-03	3.54E-03	3.97E-04	9.71E-03
1556	494811.06	3858651.99	0.20868	0.15837	0.5506	0.1237	7.79E-04	4.72E-03	3.51E-03	3.91E-04	9.41E-03	7.08E-04	4.78E-09	4.68E-05	1.07E-05	7.66E-04	9.00E-04	4.72E-03	3.51E-03	3.91E-04	9.53E-03
1557	494861.06	3858651.99	0.20398	0.1553	0.5457	0.12193	7.61E-04	4.63E-03	3.48E-03	3.85E-04	9.26E-03	6.93E-04	4.69E-09	4.64E-05	1.05E-05	7.49E-04	8.80E-04	4.63E-03	3.48E-03	3.85E-04	9.38E-03
1558	494911.06	3858651.99	0.19926	0.15102	0.5151	0.12045	7.44E-04	4.51E-03	3.29E-03	3.80E-04	8.91E-03	6.76E-04	4.56E-09	4.38E-05	1.04E-05	7.31E-04	8.60E-04	4.51E-03	3.29E-03	3.80E-04	9.03E-03
1559	494961.06	3858651.99	0.19553	0.14781	0.4996	0.11928	7.30E-04	4.41E-03	3.19E-03	3.77E-04	8.70E-03	6.64E-04	4.46E-09	4.25E-05	1.03E-05	7.17E-04	8.44E-04	4.41E-03	3.19E-03	3.77E-04	8.82E-03
1560	495011.06	3858651.99	0.19059	0.14548	0.4952	0.11852	7.11E-04	4.34E-03	3.16E-03	3.74E-04	8.58E-03	6.47E-04	4.39E-09	4.21E-05	1.02E-05	6.99E-04	8.22E-04	4.34E-03	3.16E-03	3.74E-04	8.70E-03
1561	495061.06	3858651.99	0.18638	0.14281	0.4841	0.11735	6.95E-04	4.26E-03	3.09E-03	3.71E-04	8.41E-03	6.33E-04	4.31E-09	4.12E-05	1.01E-05	6.84E-04	8.04E-04	4.26E-03	3.09E-03	3.71E-04	8.52E-03
1562	495111.06	3858651.99	0.18001	0.14041	0.4608	0.11624	6.72E-04	4.19E-03	2.94E-03	3.67E-04	8.17E-03	6.11E-04	4.24E-09	3.92E-05	1.00E-05	6.60E-04	7.77E-04	4.19E-03	2.94E-03	3.67E-04	8.27E-03
1563	495161.06	3858651.99	0.17633	0.13779	0.4492	0.1154	6.58E-04	4.11E-03	2.86E-03	3.64E-04	8.00E-03	5.99E-04	4.16E-09	3.82E-05	9.94E-06	6.47E-04	7.61E-04	4.11E-03	2.86E-03	3.64E-04	8.10E-03
1564	495211.06	3858651.99	0.17153	0.13537	0.4403	0.11427	6.40E-04	4.04E-03	2.81E-03	3.61E-04	7.85E-03	5.82E-04	4.09E-09	3.74E-05	9.84E-06	6.30E-04	7.40E-04	4.04E-03	2.81E-03	3.61E-04	7.95E-03
1565	495261.06	3858651.99	0.17054	0.13471	0.4354	0.11383	6.36E-04	4.02E-03	2.78E-03	3.59E-04	7.79E-03	5.79E-04	4.07E-09	3.70E-05	9.80E-06	6.26E-04	7.36E-04	4.02E-03	2.78E-03	3.59E-04	7.89E-03
1566	495311.06	3858651.99	0.16839	0.13346	0.4304	0.1132	6.28E-04	3.98E-03	2.75E-03	3.57E-04	7.71E-03	5.72E-04	4.03E-09	3.66E-05	9.75E-06	6.18E-04	7.27E-04	3.98E-03	2.75E-03	3.57E-04	7.81E-03
1567	495361.06	3858651.99	0.16607	0.13282	0.4269	0.11286	6.20E-04	3.96E-03	2.72E-03	3.56E-04	7.66E-03	5.64E-04	4.01E-09	3.63E-05	9.72E-06	6.10E-04	7.17E-04	3.96E-03	2.72E-03	3.56E-04	7.76E-03
1568	495411.06	3858651.99	0.16638	0.13243	0.4237	0.11262	6.21E-04	3.95E-03	2.70E-03	3.56E-04	7.63E-03	5.65E-04	4.00E-09	3.60E-05	9.70E-06	6.11E-04	7.18E-04	3.95E-03	2.70E-03	3.56E-04	7.73E-03
1569	495461.06	3858651.99	0.16665	0.13237	0.4216	0.11232	6.22E-04	3.95E-03	2.69E-03	3.55E-04	7.61E-03	5.66E-04	4.00E-09	3.59E-05	9.67E-06	6.11E-04	7.19E-04	3.95E-03	2.69E-03	3.55E-04	7.71E-03
1570	495511.06	3858651.99	0.16153	0.13106	0.4188	0.11172	6.03E-04	3.91E-03	2.67E-03	3.53E-04	7.54E-03	5.48E-04	3.96E-09	3.56E-05	9.62E-06	5.94E-04	6.97E-04	3.91E-03	2.67E-03	3.53E-04	7.63E-03
1571	495561.06	3858651.99	0.15979	0.1301	0.4163	0.11141	5.96E-04	3.88E-03	2.66E-03	3.52E-04	7.48E-03	5.42E-04	3.93E-09	3.54E-05	9.59E-06	5.87E-04	6.90E-04	3.88E-03	2.66E-03	3.52E-04	7.58E-03
1572	495611.06	3858651.99	0.15796	0.12801	0.4133	0.11104	5.89E-04	3.82E-03	2.64E-03	3.51E-04	7.40E-03	5.36E-04	3.87E-09	3.52E-05	9.56E-06	5.81E-04	6.82E-04	3.82E-03	2.64E-03	3.51E-04	7.49E-03
1573	495661.06	3858651.99	0.15786	0.1276	0.4115	0.11095	5.89E-04	3.81E-03	2.62E-03	3.50E-04	7.37E-03	5.36E-04	3.85E-09	3.50E-05	9.55E-06	5.80E-04	6.81E-04	3.81E-03	2.62E-03	3.50E-04	7.46E-03
1574	494311.06	3858701.99	0.20076	0.161	0.5351	0.12512	7.49E-04	4.80E-03	3.41E-03	3.95E-04	9.36E-03	6.82E-04	4.86E-09	4.55E-05	1.08E-05	7.38E-04	8.66E-04	4.80E-03	3.41E-03	3.95E-04	9.48E-03
1575	494361.06	3858701.99	0.22933	0.17176	0.5697	0.13128	8.56E-04	5.12E-03	3.63E-03	4.14E-04	1.00E-02	7.79E-04	5.19E-09	4.85E-05	1.13E-05	8.38E-04	9.90E-04	5.12E-03	3.63E-03	4.14E-04	1.02E-02
1576	494411.06	3858701.99	0.24228	0.17882	0.5745	0.13493	9.04E-04	5.33E-03	3.66E-03	4.26E-04	1.03E-02	8.23E-04	5.40E-09	4.89E-05	1.16E-05	8.83E-04	1.05E-03	5.33E-03	3.66E-03	4.26E-04	1.05E-02
1577	494461.06	3858701.99	0.24163	0.17878	0.57	0.13503	9.02E-04	5.33E-03	3.64E-03	4.26E-04	1.03E-02	8.20E-04	5.40E-09	4.85E-05	1.16E-05	8.80E-04	1.04E-03	5.33E-03	3.64E-03	4.26E-04	1.04E-02
1578	494511.06	3858701.99	0.24168	0.17934	0.5635	0.13229	9.02E-04	5.35E-03	3.59E-03	4.18E-04	1.03E-02	8.21E-04	5.42E-09	4.79E-05	1.14E-05	8.80E-04	1.04E-03	5.35E-03	3.59E-03	4.18E-04	1.04E-02
1579	494561.06	3858701.99	0.24094	0.17797	0.5575	0.13144	8.99E-04	5.31E-03	3.56E-03	4.15E-04	1.02E-02	8.18E-04	5.37E-09	4.74E-05	1.13E-05	8.77E-04	1.04E-03	5.31E-03	3.56E-03	4.15E-04	1.03E-02
1580	494611.06	3858701.99	0.2361	0.17373	0.5492	0.12997	8.81E-04	5.18E-03	3.50E-03	4.10E-04	9.98E-03	8.02E-04	5.25E-09	4.67E-05	1.12E-05	8.59E-04	1.02E-03	5.18E-03	3.50E-03	4.10E-04	1.01E-02
1581	494661.06	3858701.99	0.23689	0.17341	0.5458	0.12997	8.84E-04	5.17E-03	3.48E-03	4.10E-04	9.95E-03	8.04E-04	5.24E-09	4.64E-05	1.12E-05	8.62E-04	1.02E-03	5.17E-03	3.48E-03	4.10E-04	1.01E-02
1582	494711.06	3858701.99	0.21928	0.16487	0.5321	0.12668	8.18E-04	4.92E-03	3.39E-03	4.00E-04	9.53E-03	7.44E-04	4.98E-09	4.53E-05	1.09E-05	8.01E-04	9.46E-04	4.92E-03	3.39E-03	4.00E-04	9.66E-03

1583	494761.06	3858701.99	0.22365	0.1666	0.532	0.12746	8.35E-04	4.97E-03	3.39E-03	4.02E-04	9.60E-03	7.59E-04	5.03E-09	4.52E-05	1.10E-05	8.16E-04	9.65E-04	4.97E-03	3.39E-03	4.02E-04	9.73E-03
1584	494811.06	3858701.99	0.21545	0.16293	0.526	0.12598	8.04E-04	4.86E-03	3.36E-03	3.98E-04	9.42E-03	7.31E-04	4.92E-09	4.47E-05	1.08E-05	7.87E-04	9.30E-04	4.86E-03	3.36E-03	3.98E-04	9.54E-03
1585	494861.06	3858701.99	0.20965	0.16003	0.5229	0.125	7.82E-04	4.77E-03	3.34E-03	3.95E-04	9.29E-03	7.12E-04	4.83E-09	4.45E-05	1.08E-05	7.67E-04	9.05E-04	4.77E-03	3.34E-03	3.95E-04	9.41E-03
1586	494911.06	3858701.99	0.20511	0.15752	0.52	0.1231	7.65E-04	4.70E-03	3.32E-03	3.89E-04	9.17E-03	6.96E-04	4.76E-09	4.42E-05	1.06E-05	7.51E-04	8.85E-04	4.70E-03	3.32E-03	3.89E-04	9.29E-03
1587	494961.06	3858701.99	0.19464	0.1527	0.5102	0.12149	7.26E-04	4.56E-03	3.25E-03	3.84E-04	8.92E-03	6.61E-04	4.61E-09	4.34E-05	1.05E-05	7.15E-04	8.40E-04	4.56E-03	3.25E-03	3.84E-04	9.03E-03
1588	495011.06	3858701.99	0.19165	0.14976	0.4969	0.11915	7.15E-04	4.47E-03	3.17E-03	3.76E-04	8.73E-03	6.51E-04	4.52E-09	4.23E-05	1.03E-05	7.03E-04	8.27E-04	4.47E-03	3.17E-03	3.76E-04	8.84E-03
1589	495061.06	3858701.99	0.19142	0.14846	0.4949	0.11856	7.14E-04	4.43E-03	3.16E-03	3.74E-04	8.67E-03	6.50E-04	4.48E-09	4.21E-05	1.02E-05	7.02E-04	8.26E-04	4.43E-03	3.16E-03	3.74E-04	8.79E-03
1590	495111.06	3858701.99	0.18558	0.14517	0.4869	0.11744	6.92E-04	4.33E-03	3.11E-03	3.71E-04	8.50E-03	6.30E-04	4.38E-09	4.14E-05	1.01E-05	6.82E-04	8.01E-04	4.33E-03	3.11E-03	3.71E-04	8.61E-03
1591	495161.06	3858701.99	0.18282	0.14349	0.472	0.11647	6.82E-04	4.28E-03	3.01E-03	3.68E-04	8.34E-03	6.21E-04	4.33E-09	4.01E-05	1.00E-05	6.71E-04	7.89E-04	4.28E-03	3.01E-03	3.68E-04	8.45E-03
1592	495211.06	3858701.99	0.179	0.14118	0.4597	0.11572	6.68E-04	4.21E-03	2.93E-03	3.65E-04	8.18E-03	6.08E-04	4.26E-09	3.91E-05	9.96E-06	6.57E-04	7.72E-04	4.21E-03	2.93E-03	3.65E-04	8.28E-03
1593	495261.06	3858701.99	0.17909	0.1406	0.4572	0.11569	6.68E-04	4.19E-03	2.92E-03	3.65E-04	8.14E-03	6.08E-04	4.25E-09	3.89E-05	9.96E-06	6.57E-04	7.73E-04	4.19E-03	2.92E-03	3.65E-04	8.25E-03
1594	495311.06	3858701.99	0.17866	0.13992	0.455	0.11579	6.67E-04	4.17E-03	2.90E-03	3.66E-04	8.11E-03	6.07E-04	4.23E-09	3.87E-05	9.97E-06	6.55E-04	7.71E-04	4.17E-03	2.90E-03	3.66E-04	8.21E-03
1595	495361.06	3858701.99	0.17736	0.13888	0.4517	0.11567	6.62E-04	4.14E-03	2.88E-03	3.65E-04	8.05E-03	6.02E-04	4.19E-09	3.84E-05	9.96E-06	6.51E-04	7.65E-04	4.14E-03	2.88E-03	3.65E-04	8.15E-03
1596	495411.06	3858701.99	0.17751	0.13851	0.4507	0.11563	6.62E-04	4.13E-03	2.87E-03	3.65E-04	8.03E-03	6.03E-04	4.18E-09	3.83E-05	9.96E-06	6.51E-04	7.66E-04	4.13E-03	2.87E-03	3.65E-04	8.14E-03
1597	495461.06	3858701.99	0.17649	0.1377	0.4482	0.11542	6.59E-04	4.11E-03	2.86E-03	3.64E-04	7.99E-03	5.99E-04	4.16E-09	3.81E-05	9.94E-06	6.47E-04	7.62E-04	4.11E-03	2.86E-03	3.64E-04	8.09E-03
1598	495511.06	3858701.99	0.17411	0.13653	0.4413	0.11498	6.50E-04	4.07E-03	2.81E-03	3.63E-04	7.90E-03	5.91E-04	4.12E-09	3.75E-05	9.90E-06	6.39E-04	7.51E-04	4.07E-03	2.81E-03	3.63E-04	8.00E-03
1599	495561.06	3858701.99	0.17117	0.13509	0.4338	0.1142	6.39E-04	4.03E-03	2.77E-03	3.61E-04	7.80E-03	5.81E-04	4.08E-09	3.69E-05	9.83E-06	6.28E-04	7.39E-04	4.03E-03	2.77E-03	3.61E-04	7.90E-03
1600	495611.06	3858701.99	0.16823	0.1337	0.4301	0.11342	6.28E-04	3.99E-03	2.74E-03	3.58E-04	7.72E-03	5.71E-04	4.04E-09	3.66E-05	9.77E-06	6.17E-04	7.26E-04	3.99E-03	2.74E-03	3.58E-04	7.82E-03
1601	495661.06	3858701.99	0.16704	0.13284	0.4249	0.11294	6.23E-04	3.96E-03	2.71E-03	3.57E-04	7.65E-03	5.67E-04	4.01E-09	3.61E-05	9.73E-06	6.13E-04	7.21E-04	3.96E-03	2.71E-03	3.57E-04	7.75E-03
1602	494311.06	3858751.99	0.21289	0.16664	0.5487	0.1277	7.94E-04	4.97E-03	3.50E-03	4.03E-04	9.67E-03	7.23E-04	5.03E-09	4.67E-05	1.10E-05	7.80E-04	9.19E-04	4.97E-03	3.50E-03	4.03E-04	9.79E-03
1603	494361.06	3858751.99	0.24029	0.18106	0.5634	0.13639	8.97E-04	5.40E-03	3.59E-03	4.31E-04	1.03E-02	8.16E-04	5.47E-09	4.79E-05	1.17E-05	8.75E-04	1.04E-03	5.40E-03	3.59E-03	4.31E-04	1.05E-02
1604	494411.06	3858751.99	0.25406	0.1867	0.5688	0.13782	9.48E-04	5.57E-03	3.63E-03	4.35E-04	1.06E-02	8.63E-04	5.64E-09	4.84E-05	1.19E-05	9.23E-04	1.10E-03	5.57E-03	3.63E-03	4.35E-04	1.07E-02
1605	494461.06	3858751.99	0.25289	0.18657	0.5669	0.13784	9.44E-04	5.57E-03	3.62E-03	4.35E-04	1.06E-02	8.59E-04	5.63E-09	4.82E-05	1.19E-05	9.19E-04	1.09E-03	5.57E-03	3.62E-03	4.35E-04	1.07E-02
1606	494511.06	3858751.99	0.25125	0.18716	0.5637	0.13732	9.38E-04	5.58E-03	3.60E-03	4.34E-04	1.06E-02	8.53E-04	5.65E-09	4.79E-05	1.18E-05	9.13E-04	1.08E-03	5.58E-03	3.60E-03	4.34E-04	1.07E-02
1607	494561.06	3858751.99	0.24745	0.18436	0.5615	0.13678	9.23E-04	5.50E-03	3.58E-03	4.32E-04	1.04E-02	8.40E-04	5.57E-09	4.77E-05	1.18E-05	9.00E-04	1.07E-03	5.50E-03	3.58E-03	4.32E-04	1.06E-02
1608	494611.06	3858751.99	0.24087	0.18109	0.556	0.13506	8.99E-04	5.40E-03	3.55E-03	4.26E-04	1.03E-02	8.18E-04	5.47E-09	4.73E-05	1.16E-05	8.77E-04	1.04E-03	5.40E-03	3.55E-03	4.26E-04	1.04E-02
1609	494661.06	3858751.99	0.23956	0.17956	0.5509	0.13433	8.94E-04	5.36E-03	3.51E-03	4.24E-04	1.02E-02	8.13E-04	5.42E-09	4.69E-05	1.16E-05	8.72E-04	1.03E-03	5.36E-03	3.51E-03	4.24E-04	1.03E-02
1610	494711.06	3858751.99	0.2315	0.17487	0.5442	0.13104	8.64E-04	5.22E-03	3.47E-03	4.14E-04	9.97E-03	7.86E-04	5.28E-09	4.63E-05	1.13E-05	8.44E-04	9.99E-04	5.22E-03	3.47E-03	4.14E-04	1.01E-02
1611	494761.06	3858751.99	0.22992	0.17346	0.5383	0.12933	8.58E-04	5.17E-03	3.43E-03	4.08E-04	9.87E-03	7.81E-04	5.24E-09	4.58E-05	1.11E-05	8.38E-04	9.92E-04	5.17E-03	3.43E-03	4.08E-04	1.00E-02
1612	494811.06	3858751.99	0.22387	0.16936	0.5311	0.12711	8.35E-04	5.05E-03	3.39E-03	4.01E-04	9.68E-03	7.60E-04	5.11E-09	4.52E-05	1.09E-05	8.16E-04	9.66E-04	5.05E-03	3.39E-03	4.01E-04	9.81E-03
1613	494861.06	3858751.99	0.21639	0.16575	0.5261	0.12613	8.07E-04	4.94E-03	3.36E-03	3.98E-04	9.51E-03	7.35E-04	5.01E-09	4.47E-05	1.09E-05	7.90E-04	9.34E-04	4.94E-03	3.36E-03	3.98E-04	9.63E-03
1614	494911.06	3858751.99	0.20819	0.16179	0.5199	0.12522	7.77E-04	4.83E-03	3.32E-03	3.95E-04	9.32E-03	7.07E-04	4.89E-09	4.42E-05	1.08E-05	7.62E-04	8.98E-04	4.83E-03	3.32E-03	3.95E-04	9.44E-03
1615	494961.06	3858751.99	0.2035	0.15913	0.514	0.12256	7.59E-04	4.75E-03	3.28E-03	3.87E-04	9.17E-03	6.91E-04	4.81E-09	4.37E-05	1.06E-05	7.45E-04	8.78E-04	4.75E-03	3.28E-03	3.87E-04	9.29E-03
1616	495011.06	3858751.99	0.20099	0.15735	0.509	0.12229	7.50E-04	4.69E-03	3.25E-03	3.86E-04	9.08E-03	6.82E-04	4.75E-09	4.33E-05	1.05E-05	7.36E-04	8.67E-04	4.69E-03	3.25E-03	3.86E-04	9.19E-03
1617	495061.06	3858751.99	0.19551	0.15455	0.5028	0.12057	7.30E-04	4.61E-03	3.21E-03	3.81E-04	8.93E-03	6.64E-04	4.67E-09	4.28E-05	1.04E-05	7.17E-04	8.44E-04	4.61E-03	3.21E-03	3.81E-04	9.04E-03
1618	495111.06	3858751.99	0.18855	0.15047	0.4903	0.11841	7.04E-04	4.49E-03	3.13E-03	3.74E-04	8.69E-03	6.40E-04	4.54E-09	4.17E-05	1.02E-05	6.92E-04	8.14E-04	4.49E-03	3.13E-03	3.74E-04	8.80E-03
1619	495161.06	3858751.99	0.18617	0.14868	0.4886	0.1179	6.95E-04	4.44E-03	3.12E-03	3.72E-04	8.62E-03	6.32E-04	4.49E-09	4.16E-05	1.02E-05	6.84E-04	8.03E-04	4.44E-03	3.12E-03	3.72E-04	8.73E-03
1620	495211.06	3858751.99	0.18356	0.14619	0.4846	0.11725	6.85E-04	4.36E-03	3.09E-03	3.70E-04	8.51E-03	6.23E-04	4.41E-09	4.12E-05	1.01E-05	6.75E-04	7.92E-04	4.36E-03	3.09E-03	3.70E-04	8.61E-03
1621	495261.06	3858751.99	0.18384	0.14544	0.4821	0.11717	6.86E-04	4.34E-03	3.08E-03	3.70E-04	8.47E-03	6.24E-04	4.39E-09	4.10E-05	1.01E-05	6.75E-04	7.93E-04	4.34E-03	3.08E-03	3.70E-04	8.58E-03
1622	495311.06	3858751.99	0.18488	0.1449	0.4793	0.11716	6.90E-04	4.32E-03	3.06E-03	3.70E-04	8.44E-03	6.28E-04	4.38E-09	4.08E-05	1.01E-05	6.79E-04	7.98E-04	4.32E-03	3.06E-03	3.70E-04	8.55E-03
1623	495361.06	3858751.99	0.18381	0.14395	0.4759	0.11702	6.86E-04	4.29E-03	3.04E-03	3.69E-04	8.39E-03	6.24E-04	4.35E-09	4.05E-05	1.01E-05	6.75E-04	7.93E-04	4.29E-03	3.04E-03	3.69E-04	8.49E-03
1624	495411.06	3858751.99	0.18409	0.14394	0.4728	0.11714	6.87E-04	4.29E-03	3.02E-03	3.70E-04	8.37E-03	6.25E-04	4.35E-09	4.02E-05	1.01E-05	6.75E-04	7.94E-04	4.29E-03	3.02E-03	3.70E-04	8.47E-03
1625	495461.06	3858751.99	0.18408	0.14318	0.468	0.11704	6.87E-04	4.27E-03	2.99E-03	3.70E-04	8.31E-03	6.25E-04	4.32E-09	3.98E-05	1.01E-05	6.75E-04	7.94E-04	4.27E-03	2.99E-03	3.70E-04	8.42E-03
1626	495511.06	3858751.99	0.18394	0.14207	0.4618	0.1167	6.86E-04	4.24E-03	2.95E-03	3.68E-04	8.24E-03	6.24E-04	4.29E-09	3.93E-05	1.00E-05	6.74E-04	7.94E-04	4.24E-03	2.95E-03	3.68E-04	8.35E-03
1627	495561.06	3858751.99	0.18181	0.14087	0.4588	0.11623	6.78E-04	4.20E-03	2.93E-03	3.67E-04	8.17E-03	6.17E-04	4.25E-09	3.90E-05	1.00E-05	6.66E-04	7.85E-04	4.20E-03	2.93E-03	3.67E-04	8.28E-03
1628	495611.06	3858751.99	0.17944	0.13965	0.4552	0.11561	6.70E-04	4.17E-03	2.90E-03	3.65E-04	8.10E-03	6.09E-04	4.22E-09	3.87E-05	9.96E-06	6.58E-04	7.74E-04	4.17E-03	2.90E-03	3.65E-04	8.21E-03
1629	495661.06	3858751.99	0.17741	0.1387	0.4511	0.11493	6.62E-04	4.14E-03	2.88E-03	3.63E-04	8.04E-03	6.02E-04	4.19E-09	3.84E-05	9.90E-06	6.51E-04	7.66E-04	4.14E-03	2.88E-03	3.63E-04	8.14E-03
1630	494311.06	3858801.99	0.22662	0.17691	0.5441	0.1329	8.46E-04	5.28E-03	3.47E-03	4.20E-04	1.00E-02	7.69E-04	5.34E-09	4.63E-05	1.14E-05	8.27E-04	9.78E-04	5.28E-03	3.47E-03	4.20E-04	1.01E-02
1631	494361.06	3858801.99	0.25652	0.18871	0.551	0.13945	9.57E-04	5.63E-03	3.51E-03	4.40E-04	1.05E-02	8.71E-04	5.70E-09	4.69E-05	1.20E-05	9.30E-04	1.11E-03	5.63E-03	3.51E-03	4.40E-04	1.07E-02
1632	494411.06	3858801.99	0.26308	0.19127	0.5538	0.13998	9.82E-04	5.71E-03	3.53E-03	4.42E-04	1.07E-02	8.93E-04	5.78E-09	4.71E-05	1.21E-05	9.52E-04	1.14E-03	5.71E-03	3.53E-03	4.42E-04	1.08E-02
1633	494461.06	3858801.99	0.26464	0.19223	0.5549	0.1401	9.87E-04	5.73E-03	3.54E-03	4.42E-04	1.07E-02	8.98E-04	5.81E-09	4.72E-05	1.21E-05	9.58E-04	1.14E-03	5.73E-03	3.54E-03	4.42E-04	1.09E-02
1634	494511.06	3858801.99	0.26417	0.19394	0.5542	0.1399	9.86E-04	5.79E-03	3.53E-03	4.42E-04	1.07E-02	8.97E-04	5.86E-09	4.71E-05	1.20E-05	9.56E-04	1.14E-03	5.79E-03	3.53E-03	4.42E-04	1.09E-02
1635	494561.06	3858801.99	0.26223	0.19284	0.5532	0.13961	9.79E-04	5.75E-03	3.53E-03	4.41E-04	1.07E-02	8.90E-04	5.82E-09	4.70E-05	1.20E-05	9.49E-04	1.13E-03	5.75E-03	3.53E-03	4.41E-04	1.09E-02
1636	494611.06	3858801.99	0.25704	0.19053	0.546	0.13858	9.59E-04	5.68E-03	3.48E-03	4.38E-04	1.06E-02	8.73E-04	5.75E-09	4.64E-05	1.19E-05	9.31E-04	1.11E-03	5.68E-03	3.48E-03	4.38E-04	1.07E-02
1637	494661.06	3858801.99	0.25002	0.18648	0.5422	0.1368	9.33E-04	5.56E-03	3.46E-03	4.32E-04	1.04E-02	8.49E-04	5.63E-09	4.61E-05	1.18E-05	9.07E-04	1.08E-03	5.56E-03	3.46E-03	4.32E-04	1.05E-02
1638	494711.06	3858801.99	0.2416	0.18211	0.5391	0.13478	9.02E-04	5.43E-03	3.44E-03	4.26E-04	1.02E-02	8.20E-04	5.50E-09	4.58E-05	1.16E-05	8.78E-04	1.04E-03	5.43E-03	3.44E-03	4.26E-04	1.03E-02
1639	494761.06	3858801.99	0.23258	0.17751	0.5346	0.13143	8.68E-04	5.30E-03	3.41E-03	4.15E-04	9.99E-03	7.90E-04	5.36E-09	4.55E-05	1.13E-05	8.46E-04	1.00E-03	5.30E-03	3.41E-03	4.15E-04	1.01E-02
1640	494811.06	3858801.99	0.22456	0.17296	0.5281	0.12947	8.38E-04	5.16E-03	3.37E-03	4.09E-04	9.78E-03	7.62E-04	5.22E-09	4.49E-05	1.11E-05	8.18E-04	9.69E-04	5.16E-03	3.37E-03	4.09E-04	9.91E-03
1641	494861.06	3858801.99	0.21971	0.1706	0.5246	0.12812	8.20E-04	5.09E-03	3.35E-03	4.05E-04	9.66E-03	7.46E-04	5.15E-09	4.46E-05	1.10E-05	8.02E-04	9.48E-04	5.09E-03	3.35E-03	4.05E-04	9.79E-03
1642	494911.06	3858801.99	0.21471	0.16669	0.5201	0.12627	8.01E-04	4.97E-03	3.32E-03	3.99E-04	9.49E-03	7.29E-04	5.03E-09	4.42E-05	1.09E-05	7.84E-04	9.26E-04	4.97E-03	3.32E-03	3.99E-04	9.62E-03
1643	494961.06	3858801.99	0.20979	0.16382	0.5163	0.12521	7.83E-04	4.89E-03	3.29E-03	3.95E-04	9.36E-03	7.12E-04	4.95E-09	4.39E-05	1.08E-05	7.67E-04	9.05E-04	4.89E-03	3.29E-03	3.95E-04	9.48E-03

1644	495011.06	3858801.99	0.20385	0.16098	0.5114	0.12457	7.61E-04	4.80E-03	3.26E-03	3.93E-04	9.22E-03	6.92E-04	4.86E-09	4.35E-05	1.07E-05	7.46E-04	8.80E-04	4.80E-03	3.26E-03	3.93E-04	9.34E-03
1645	495061.06	3858801.99	0.20176	0.15925	0.5079	0.12424	7.53E-04	4.75E-03	3.24E-03	3.92E-04	9.14E-03	6.85E-04	4.81E-09	4.32E-05	1.07E-05	7.39E-04	8.71E-04	4.75E-03	3.24E-03	3.92E-04	9.25E-03
1646	495111.06	3858801.99	0.19625	0.15542	0.5025	0.12162	7.32E-04	4.64E-03	3.21E-03	3.84E-04	8.96E-03	6.66E-04	4.69E-09	4.27E-05	1.05E-05	7.19E-04	8.47E-04	4.64E-03	3.21E-03	3.84E-04	9.07E-03
1647	495161.06	3858801.99	0.19146	0.15253	0.498	0.11966	7.14E-04	4.55E-03	3.18E-03	3.78E-04	8.82E-03	6.50E-04	4.61E-09	4.24E-05	1.03E-05	7.03E-04	8.26E-04	4.55E-03	3.18E-03	3.78E-04	8.93E-03
1648	495211.06	3858801.99	0.18865	0.15099	0.4807	0.11864	7.04E-04	4.50E-03	3.07E-03	3.75E-04	8.65E-03	6.40E-04	4.56E-09	4.09E-05	1.02E-05	6.92E-04	8.14E-04	4.50E-03	3.07E-03	3.75E-04	8.76E-03
1649	495261.06	3858801.99	0.18832	0.14981	0.4772	0.11856	7.03E-04	4.47E-03	3.04E-03	3.74E-04	8.59E-03	6.39E-04	4.52E-09	4.06E-05	1.02E-05	6.90E-04	8.13E-04	4.47E-03	3.04E-03	3.74E-04	8.70E-03
1650	495311.06	3858801.99	0.1883	0.14992	0.4739	0.11876	7.03E-04	4.47E-03	3.02E-03	3.75E-04	8.57E-03	6.39E-04	4.53E-09	4.03E-05	1.02E-05	6.90E-04	8.13E-04	4.47E-03	3.02E-03	3.75E-04	8.68E-03
1651	495361.06	3858801.99	0.18715	0.14865	0.4702	0.11843	6.98E-04	4.43E-03	3.00E-03	3.74E-04	8.51E-03	6.35E-04	4.49E-09	4.00E-05	1.02E-05	6.86E-04	8.08E-04	4.43E-03	3.00E-03	3.74E-04	8.62E-03
1652	495411.06	3858801.99	0.18971	0.14959	0.4782	0.1188	7.08E-04	4.46E-03	3.05E-03	3.75E-04	8.60E-03	6.44E-04	4.52E-09	4.07E-05	1.02E-05	6.95E-04	8.19E-04	4.46E-03	3.05E-03	3.75E-04	8.71E-03
1653	495461.06	3858801.99	0.18901	0.14867	0.4655	0.11843	7.05E-04	4.44E-03	2.97E-03	3.74E-04	8.48E-03	6.42E-04	4.49E-09	3.96E-05	1.02E-05	6.91E-04	8.16E-04	4.44E-03	2.97E-03	3.74E-04	8.59E-03
1654	495511.06	3858801.99	0.18802	0.14686	0.4637	0.11775	7.02E-04	4.38E-03	2.96E-03	3.72E-04	8.41E-03	6.38E-04	4.43E-09	3.94E-05	1.01E-05	6.88E-04	8.11E-04	4.38E-03	2.96E-03	3.72E-04	8.52E-03
1655	495561.06	3858801.99	0.18657	0.14583	0.4619	0.11699	6.96E-04	4.35E-03	2.95E-03	3.69E-04	8.36E-03	6.33E-04	4.40E-09	3.93E-05	1.01E-05	6.83E-04	8.05E-04	4.35E-03	2.95E-03	3.69E-04	8.47E-03
1656	495611.06	3858801.99	0.1842	0.14414	0.4598	0.11631	6.87E-04	4.30E-03	2.93E-03	3.67E-04	8.29E-03	6.25E-04	4.35E-09	3.91E-05	1.00E-05	6.74E-04	7.95E-04	4.30E-03	2.93E-03	3.67E-04	8.40E-03
1657	495661.06	3858801.99	0.18375	0.14336	0.4582	0.11611	6.86E-04	4.28E-03	2.92E-03	3.67E-04	8.25E-03	6.24E-04	4.33E-09	3.90E-05	1.00E-05	6.73E-04	7.93E-04	4.28E-03	2.92E-03	3.67E-04	8.36E-03
1658	494311.06	3858851.99	0.26623	0.19438	0.5431	0.13999	9.93E-04	5.80E-03	3.46E-03	4.42E-04	1.07E-02	9.04E-04	5.87E-09	4.62E-05	1.21E-05	9.62E-04	1.15E-03	5.80E-03	3.46E-03	4.42E-04	1.09E-02
1659	494361.06	3858851.99	0.28619	0.20198	0.5444	0.14481	1.07E-03	6.03E-03	3.47E-03	4.57E-04	1.10E-02	9.72E-04	6.10E-09	4.63E-05	1.25E-05	1.03E-03	1.23E-03	6.03E-03	3.47E-03	4.57E-04	1.12E-02
1660	494411.06	3858851.99	0.28356	0.20098	0.5437	0.14528	1.06E-03	6.00E-03	3.47E-03	4.59E-04	1.10E-02	9.63E-04	6.07E-09	4.62E-05	1.25E-05	1.02E-03	1.22E-03	6.00E-03	3.47E-03	4.59E-04	1.11E-02
1661	494461.06	3858851.99	0.2839	0.20142	0.5435	0.14602	1.06E-03	6.01E-03	3.47E-03	4.61E-04	1.10E-02	9.64E-04	6.08E-09	4.62E-05	1.26E-05	1.02E-03	1.23E-03	6.01E-03	3.47E-03	4.61E-04	1.12E-02
1662	494511.06	3858851.99	0.28085	0.20205	0.5412	0.14531	1.05E-03	6.03E-03	3.45E-03	4.59E-04	1.10E-02	9.53E-04	6.10E-09	4.60E-05	1.25E-05	1.01E-03	1.21E-03	6.03E-03	3.45E-03	4.59E-04	1.12E-02
1663	494561.06	3858851.99	0.27701	0.20043	0.5366	0.14466	1.03E-03	5.98E-03	3.42E-03	4.57E-04	1.09E-02	9.40E-04	6.05E-09	4.56E-05	1.25E-05	9.99E-04	1.20E-03	5.98E-03	3.42E-03	4.57E-04	1.11E-02
1664	494611.06	3858851.99	0.27059	0.19728	0.5323	0.14302	1.01E-03	5.89E-03	3.40E-03	4.52E-04	1.07E-02	9.19E-04	5.96E-09	4.53E-05	1.23E-05	9.76E-04	1.17E-03	5.89E-03	3.40E-03	4.52E-04	1.09E-02
1665	494661.06	3858851.99	0.26222	0.19378	0.5289	0.14095	9.78E-04	5.78E-03	3.37E-03	4.45E-04	1.06E-02	8.90E-04	5.85E-09	4.50E-05	1.21E-05	9.47E-04	1.13E-03	5.78E-03	3.37E-03	4.45E-04	1.07E-02
1666	494711.06	3858851.99	0.25031	0.1884	0.5251	0.13818	9.34E-04	5.62E-03	3.35E-03	4.36E-04	1.03E-02	8.50E-04	5.69E-09	4.47E-05	1.19E-05	9.06E-04	1.08E-03	5.62E-03	3.35E-03	4.36E-04	1.05E-02
1667	494761.06	3858851.99	0.24066	0.18312	0.5214	0.13584	8.98E-04	5.46E-03	3.33E-03	4.29E-04	1.01E-02	8.17E-04	5.53E-09	4.43E-05	1.17E-05	8.73E-04	1.04E-03	5.46E-03	3.33E-03	4.29E-04	1.03E-02
1668	494811.06	3858851.99	0.23347	0.1787	0.5177	0.13308	8.71E-04	5.33E-03	3.30E-03	4.20E-04	9.92E-03	7.93E-04	5.40E-09	4.40E-05	1.15E-05	8.48E-04	1.01E-03	5.33E-03	3.30E-03	4.20E-04	1.01E-02
1669	494861.06	3858851.99	0.2286	0.17586	0.5151	0.13136	8.53E-04	5.25E-03	3.29E-03	4.15E-04	9.80E-03	7.76E-04	5.31E-09	4.38E-05	1.13E-05	8.31E-04	9.86E-04	5.25E-03	3.29E-03	4.15E-04	9.93E-03
1670	494911.06	3858851.99	0.2223	0.17197	0.5117	0.12958	8.30E-04	5.13E-03	3.26E-03	4.09E-04	9.63E-03	7.55E-04	5.19E-09	4.35E-05	1.12E-05	8.09E-04	9.59E-04	5.13E-03	3.26E-03	4.09E-04	9.76E-03
1671	494961.06	3858851.99	0.21748	0.16909	0.5086	0.12862	8.12E-04	5.04E-03	3.24E-03	4.06E-04	9.51E-03	7.38E-04	5.11E-09	4.33E-05	1.11E-05	7.93E-04	9.38E-04	5.04E-03	3.24E-03	4.06E-04	9.63E-03
1672	495011.06	3858851.99	0.21324	0.16678	0.5058	0.12755	7.96E-04	4.98E-03	3.23E-03	4.03E-04	9.40E-03	7.24E-04	5.04E-09	4.30E-05	1.10E-05	7.78E-04	9.20E-04	4.98E-03	3.23E-03	4.03E-04	9.52E-03
1673	495061.06	3858851.99	0.20913	0.16398	0.5025	0.12634	7.80E-04	4.89E-03	3.21E-03	3.99E-04	9.28E-03	7.10E-04	4.95E-09	4.27E-05	1.09E-05	7.64E-04	9.02E-04	4.89E-03	3.21E-03	3.99E-04	9.40E-03
1674	495111.06	3858851.99	0.19935	0.15887	0.4968	0.12476	7.44E-04	4.74E-03	3.17E-03	3.94E-04	9.05E-03	6.77E-04	4.80E-09	4.22E-05	1.07E-05	7.30E-04	8.60E-04	4.74E-03	3.17E-03	3.94E-04	9.16E-03
1675	495161.06	3858851.99	0.19506	0.15612	0.4924	0.12204	7.28E-04	4.66E-03	3.14E-03	3.85E-04	8.91E-03	6.62E-04	4.71E-09	4.19E-05	1.05E-05	7.15E-04	8.42E-04	4.66E-03	3.14E-03	3.85E-04	9.03E-03
1676	495211.06	3858851.99	0.1957	0.15626	0.4909	0.12179	7.30E-04	4.66E-03	3.13E-03	3.85E-04	8.91E-03	6.64E-04	4.72E-09	4.18E-05	1.05E-05	7.17E-04	8.44E-04	4.66E-03	3.13E-03	3.85E-04	9.02E-03
1677	495261.06	3858851.99	0.19534	0.15552	0.4891	0.12128	7.29E-04	4.64E-03	3.12E-03	3.83E-04	8.87E-03	6.63E-04	4.70E-09	4.16E-05	1.04E-05	7.15E-04	8.43E-04	4.64E-03	3.12E-03	3.83E-04	8.99E-03
1678	495311.06	3858851.99	0.19597	0.15531	0.489	0.12087	7.31E-04	4.63E-03	3.12E-03	3.82E-04	8.87E-03	6.65E-04	4.69E-09	4.16E-05	1.04E-05	7.17E-04	8.46E-04	4.63E-03	3.12E-03	3.82E-04	8.98E-03
1679	495361.06	3858851.99	0.19538	0.15466	0.4888	0.12035	7.29E-04	4.61E-03	3.12E-03	3.80E-04	8.84E-03	6.63E-04	4.67E-09	4.16E-05	1.04E-05	7.15E-04	8.43E-04	4.61E-03	3.12E-03	3.80E-04	8.95E-03
1680	495411.06	3858851.99	0.19578	0.15408	0.4864	0.11996	7.31E-04	4.60E-03	3.10E-03	3.79E-04	8.81E-03	6.65E-04	4.65E-09	4.14E-05	1.03E-05	7.16E-04	8.45E-04	4.60E-03	3.10E-03	3.79E-04	8.92E-03
1681	495461.06	3858851.99	0.19659	0.15373	0.4846	0.11971	7.34E-04	4.59E-03	3.09E-03	3.78E-04	8.79E-03	6.67E-04	4.64E-09	4.12E-05	1.03E-05	7.19E-04	8.48E-04	4.59E-03	3.09E-03	3.78E-04	8.90E-03
1682	495511.06	3858851.99	0.19572	0.15221	0.4822	0.12042	7.30E-04	4.54E-03	3.08E-03	3.80E-04	8.73E-03	6.64E-04	4.60E-09	4.10E-05	1.04E-05	7.16E-04	8.45E-04	4.54E-03	3.08E-03	3.80E-04	8.84E-03
1683	495561.06	3858851.99	0.19153	0.15044	0.4771	0.11845	7.15E-04	4.49E-03	3.04E-03	3.74E-04	8.62E-03	6.50E-04	4.54E-09	4.06E-05	1.02E-05	7.01E-04	8.26E-04	4.49E-03	3.04E-03	3.74E-04	8.73E-03
1684	495611.06	3858851.99	0.1878	0.14859	0.474	0.11758	7.01E-04	4.43E-03	3.02E-03	3.71E-04	8.53E-03	6.38E-04	4.49E-09	4.03E-05	1.01E-05	6.88E-04	8.10E-04	4.43E-03	3.02E-03	3.71E-04	8.64E-03
1685	495661.06	3858851.99	0.18875	0.14825	0.4721	0.11703	7.04E-04	4.42E-03	3.01E-03	3.70E-04	8.51E-03	6.41E-04	4.48E-09	4.01E-05	1.01E-05	6.91E-04	8.14E-04	4.42E-03	3.01E-03	3.70E-04	8.62E-03
1686	494311.06	3858901.99	0.28636	0.20407	0.5197	0.14562	1.07E-03	6.09E-03	3.31E-03	4.60E-04	1.09E-02	9.72E-04	6.16E-09	4.42E-05	1.25E-05	1.03E-03	1.24E-03	6.09E-03	3.31E-03	4.60E-04	1.11E-02
1687	494361.06	3858901.99	0.30166	0.21012	0.5244	0.15021	1.13E-03	6.27E-03	3.35E-03	4.74E-04	1.12E-02	1.02E-03	6.35E-09	4.46E-05	1.29E-05	1.08E-03	1.30E-03	6.27E-03	3.35E-03	4.74E-04	1.14E-02
1688	494411.06	3858901.99	0.30274	0.21061	0.5257	0.14976	1.13E-03	6.28E-03	3.35E-03	4.73E-04	1.12E-02	1.03E-03	6.36E-09	4.47E-05	1.29E-05	1.09E-03	1.31E-03	6.28E-03	3.35E-03	4.73E-04	1.14E-02
1689	494461.06	3858901.99	0.30425	0.21322	0.5262	0.14798	1.14E-03	6.36E-03	3.36E-03	4.67E-04	1.13E-02	1.03E-03	6.44E-09	4.47E-05	1.27E-05	1.09E-03	1.31E-03	6.36E-03	3.36E-03	4.67E-04	1.15E-02
1690	494511.06	3858901.99	0.30594	0.21339	0.5267	0.14763	1.14E-03	6.37E-03	3.36E-03	4.66E-04	1.13E-02	1.04E-03	6.44E-09	4.48E-05	1.27E-05	1.10E-03	1.32E-03	6.37E-03	3.36E-03	4.66E-04	1.15E-02
1691	494561.06	3858901.99	0.29889	0.20979	0.5247	0.14681	1.12E-03	6.26E-03	3.35E-03	4.64E-04	1.12E-02	1.01E-03	6.34E-09	4.46E-05	1.26E-05	1.07E-03	1.29E-03	6.26E-03	3.35E-03	4.64E-04	1.14E-02
1692	494611.06	3858901.99	0.28519	0.20295	0.5217	0.14516	1.06E-03	6.05E-03	3.33E-03	4.58E-04	1.09E-02	9.68E-04	6.13E-09	4.44E-05	1.25E-05	1.03E-03	1.23E-03	6.05E-03	3.33E-03	4.58E-04	1.11E-02
1693	494661.06	3858901.99	0.27674	0.1995	0.5194	0.14477	1.03E-03	5.95E-03	3.31E-03	4.57E-04	1.08E-02	9.40E-04	6.02E-09	4.42E-05	1.25E-05	9.96E-04	1.19E-03	5.95E-03	3.31E-03	4.57E-04	1.09E-02
1694	494711.06	3858901.99	0.26568	0.19428	0.5163	0.14225	9.91E-04	5.80E-03	3.29E-03	4.49E-04	1.05E-02	9.02E-04	5.87E-09	4.39E-05	1.22E-05	9.58E-04	1.15E-03	5.80E-03	3.29E-03	4.49E-04	1.07E-02
1695	494761.06	3858901.99	0.25304	0.18834	0.5128	0.13947	9.44E-04	5.62E-03	3.27E-03	4.40E-04	1.03E-02	8.59E-04	5.69E-09	4.36E-05	1.20E-05	9.15E-04	1.09E-03	5.62E-03	3.27E-03	4.40E-04	1.04E-02
1696	494811.06	3858901.99	0.24491	0.18499	0.5105	0.13754	9.14E-04	5.52E-03	3.26E-03	4.34E-04	1.01E-02	8.31E-04	5.59E-09	4.34E-05	1.18E-05	8.87E-04	1.06E-03	5.52E-03	3.26E-03	4.34E-04	1.03E-02
1697	494861.06	3858901.99	0.23954	0.18254	0.5076	0.13624	8.94E-04	5.45E-03	3.24E-03	4.30E-04	1.00E-02	8.13E-04	5.51E-09	4.32E-05	1.17E-05	8.68E-04	1.03E-03	5.45E-03	3.24E-03	4.30E-04	1.01E-02
1698	494911.06	3858901.99	0.22875	0.17708	0.5039	0.13317	8.54E-04	5.28E-03	3.21E-03	4.20E-04	9.77E-03	7.77E-04	5.35E-09	4.29E-05	1.15E-05	8.31E-04	9.87E-04	5.28E-03	3.21E-03	4.20E-04	9.90E-03
1699	494961.06	3858901.99	0.22475	0.17411	0.5011	0.13114	8.39E-04	5.19E-03	3.20E-03	4.14E-04	9.64E-03	7.63E-04	5.26E-09	4.26E-05	1.13E-05	8.17E-04	9.70E-04	5.19E-03	3.20E-03	4.14E-04	9.77E-03
1700	495011.06	3858901.99	0.22025	0.17119	0.4955	0.12936	8.22E-04	5.11E-03	3.16E-03	4.08E-04	9.50E-03	7.48E-04	5.17E-09	4.21E-05	1.11E-05	8.01E-04	9.50E-04	5.11E-03	3.16E-03	4.08E-04	9.63E-03
1701	495061.06	3858901.99	0.21384	0.16717	0.4902	0.12812	7.98E-04	4.99E-03	3.13E-03	4.05E-04	9.32E-03	7.26E-04	5.05E-09	4.17E-05	1.10E-05	7.79E-04	9.23E-04	4.99E-03	3.13E-03	4.05E-04	9.44E-03
1702	495111.06	3858901.99	0.2043	0.16155	0.4857	0.12562	7.62E-04	4.82E-03	3.10E-03	3.97E-04	9.08E-03	6.94E-04	4.88E-09	4.13E-05	1.08E-05	7.46E-04	8.82E-04	4.82E-03	3.10E-03	3.97E-04	9.20E-03
1703	495161.06	3858901.99	0.20145	0.15988	0.4834	0.12454	7.52E-04	4.77E-03	3.08E-03	3.93E-04	9.00E-03	6.84E-04	4.83E-09	4.11E-05	1.07E-05	7.36E-04	8.69E-04	4.77E-03	3.08E-03	3.93E-04	9.12E-03
1704	495211.06	3858901.99	0.20287	0.16088	0.4842	0.12495	7.57E-04	4.80E-03	3.09E-03	3.95E-04	9.04E-03	6.89E-04	4.86E-09	4.12E-05	1.08E-05	7.41E-04	8.75E-04	4.80E-03	3.09E-03	3.95E-04	9.16E-03

1705	495261.06	3858901.99	0.2025	0.16058	0.4833	0.12442	7.56E-04	4.79E-03	3.08E-03	3.93E-04	9.02E-03	6.87E-04	4.85E-09	4.11E-05	1.07E-05	7.39E-04	8.74E-04	4.79E-03	3.08E-03	3.93E-04	9.14E-03
1706	495311.06	3858901.99	0.20174	0.15981	0.4821	0.12342	7.53E-04	4.77E-03	3.07E-03	3.90E-04	8.98E-03	6.85E-04	4.83E-09	4.10E-05	1.06E-05	7.37E-04	8.71E-04	4.77E-03	3.07E-03	3.90E-04	9.10E-03
1707	495361.06	3858901.99	0.20194	0.15926	0.4808	0.12254	7.54E-04	4.75E-03	3.07E-03	3.87E-04	8.96E-03	6.86E-04	4.81E-09	4.09E-05	1.06E-05	7.37E-04	8.71E-04	4.75E-03	3.07E-03	3.87E-04	9.08E-03
1708	495411.06	3858901.99	0.20251	0.15948	0.4801	0.12235	7.56E-04	4.76E-03	3.06E-03	3.86E-04	8.96E-03	6.88E-04	4.82E-09	4.08E-05	1.05E-05	7.39E-04	8.74E-04	4.76E-03	3.06E-03	3.86E-04	9.08E-03
1709	495461.06	3858901.99	0.20158	0.15841	0.4784	0.12188	7.52E-04	4.73E-03	3.05E-03	3.85E-04	8.91E-03	6.84E-04	4.78E-09	4.07E-05	1.05E-05	7.36E-04	8.70E-04	4.73E-03	3.05E-03	3.85E-04	9.03E-03
1710	495511.06	3858901.99	0.1986	0.1566	0.4758	0.12115	7.41E-04	4.67E-03	3.04E-03	3.83E-04	8.83E-03	6.74E-04	4.73E-09	4.05E-05	1.04E-05	7.25E-04	8.57E-04	4.67E-03	3.04E-03	3.83E-04	8.95E-03
1711	495561.06	3858901.99	0.19737	0.15519	0.4732	0.12015	7.36E-04	4.63E-03	3.02E-03	3.79E-04	8.76E-03	6.70E-04	4.69E-09	4.02E-05	1.03E-05	7.21E-04	8.52E-04	4.63E-03	3.02E-03	3.79E-04	8.88E-03
1712	495611.06	3858901.99	0.19508	0.15319	0.4697	0.11857	7.28E-04	4.57E-03	3.00E-03	3.74E-04	8.67E-03	6.62E-04	4.63E-09	3.99E-05	1.02E-05	7.12E-04	8.42E-04	4.57E-03	3.00E-03	3.74E-04	8.78E-03
1713	495661.06	3858901.99	0.19644	0.15302	0.4688	0.11833	7.33E-04	4.57E-03	2.99E-03	3.74E-04	8.66E-03	6.67E-04	4.62E-09	3.99E-05	1.02E-05	7.17E-04	8.48E-04	4.57E-03	2.99E-03	3.74E-04	8.78E-03
1714	494311.06	3858951.99	0.31783	0.21915	0.5168	0.15403	1.19E-03	6.54E-03	3.30E-03	4.86E-04	1.15E-02	1.08E-03	6.62E-09	4.39E-05	1.33E-05	1.14E-03	1.37E-03	6.54E-03	3.30E-03	4.86E-04	1.17E-02
1715	494361.06	3858951.99	0.32119	0.22284	0.5167	0.15453	1.20E-03	6.65E-03	3.30E-03	4.88E-04	1.16E-02	1.09E-03	6.73E-09	4.39E-05	1.33E-05	1.15E-03	1.39E-03	6.65E-03	3.30E-03	4.88E-04	1.18E-02
1716	494411.06	3858951.99	0.3154	0.22045	0.5145	0.15361	1.18E-03	6.58E-03	3.28E-03	4.85E-04	1.15E-02	1.07E-03	6.66E-09	4.38E-05	1.32E-05	1.13E-03	1.36E-03	6.58E-03	3.28E-03	4.85E-04	1.17E-02
1717	494461.06	3858951.99	0.31444	0.22434	0.5142	0.14937	1.17E-03	6.69E-03	3.28E-03	4.72E-04	1.16E-02	1.07E-03	6.77E-09	4.37E-05	1.29E-05	1.12E-03	1.36E-03	6.69E-03	3.28E-03	4.72E-04	1.18E-02
1718	494511.06	3858951.99	0.31103	0.22257	0.5144	0.1494	1.16E-03	6.64E-03	3.28E-03	4.72E-04	1.16E-02	1.06E-03	6.72E-09	4.38E-05	1.29E-05	1.11E-03	1.34E-03	6.64E-03	3.28E-03	4.72E-04	1.17E-02
1719	494561.06	3858951.99	0.30548	0.21853	0.511	0.14844	1.14E-03	6.52E-03	3.26E-03	4.69E-04	1.14E-02	1.04E-03	6.60E-09	4.35E-05	1.28E-05	1.09E-03	1.32E-03	6.52E-03	3.26E-03	4.69E-04	1.16E-02
1720	494611.06	3858951.99	0.29885	0.21231	0.5001	0.14695	1.12E-03	6.33E-03	3.19E-03	4.64E-04	1.11E-02	1.01E-03	6.41E-09	4.25E-05	1.27E-05	1.07E-03	1.29E-03	6.33E-03	3.19E-03	4.64E-04	1.13E-02
1721	494661.06	3858951.99	0.29162	0.2071	0.4945	0.1456	1.09E-03	6.18E-03	3.15E-03	4.60E-04	1.09E-02	9.90E-04	6.25E-09	4.21E-05	1.25E-05	1.04E-03	1.26E-03	6.18E-03	3.15E-03	4.60E-04	1.11E-02
1722	494711.06	3858951.99	0.27801	0.19987	0.4908	0.14315	1.04E-03	5.96E-03	3.13E-03	4.52E-04	1.06E-02	9.44E-04	6.04E-09	4.17E-05	1.23E-05	9.98E-04	1.20E-03	5.96E-03	3.13E-03	4.52E-04	1.07E-02
1723	494761.06	3858951.99	0.26868	0.19518	0.4896	0.14148	1.00E-03	5.82E-03	3.12E-03	4.47E-04	1.04E-02	9.12E-04	5.89E-09	4.16E-05	1.22E-05	9.66E-04	1.16E-03	5.82E-03	3.12E-03	4.47E-04	1.06E-02
1724	494811.06	3858951.99	0.2614	0.19221	0.4893	0.13944	9.75E-04	5.73E-03	3.12E-03	4.40E-04	1.03E-02	8.87E-04	5.80E-09	4.16E-05	1.20E-05	9.41E-04	1.13E-03	5.73E-03	3.12E-03	4.40E-04	1.04E-02
1725	494861.06	3858951.99	0.25507	0.18921	0.489	0.13772	9.52E-04	5.64E-03	3.12E-03	4.35E-04	1.02E-02	8.66E-04	5.71E-09	4.16E-05	1.19E-05	9.19E-04	1.10E-03	5.64E-03	3.12E-03	4.35E-04	1.03E-02
1726	494911.06	3858951.99	0.24559	0.18465	0.4878	0.13533	9.16E-04	5.51E-03	3.11E-03	4.27E-04	9.96E-03	8.34E-04	5.58E-09	4.15E-05	1.17E-05	8.87E-04	1.06E-03	5.51E-03	3.11E-03	4.27E-04	1.01E-02
1727	494961.06	3858951.99	0.24006	0.18261	0.4878	0.13417	8.96E-04	5.45E-03	3.11E-03	4.24E-04	9.88E-03	8.15E-04	5.51E-09	4.15E-05	1.16E-05	8.68E-04	1.04E-03	5.45E-03	3.11E-03	4.24E-04	1.00E-02
1728	495011.06	3858951.99	0.22658	0.17572	0.4848	0.13083	8.45E-04	5.24E-03	3.09E-03	4.13E-04	9.59E-03	7.69E-04	5.31E-09	4.12E-05	1.13E-05	8.22E-04	9.78E-04	5.24E-03	3.09E-03	4.13E-04	9.73E-03
1729	495061.06	3858951.99	0.21497	0.1697	0.4798	0.12764	8.02E-04	5.06E-03	3.06E-03	4.03E-04	9.33E-03	7.30E-04	5.12E-09	4.08E-05	1.10E-05	7.82E-04	9.28E-04	5.06E-03	3.06E-03	4.03E-04	9.45E-03
1730	495111.06	3858951.99	0.2078	0.16555	0.4748	0.12606	7.75E-04	4.94E-03	3.03E-03	3.98E-04	9.14E-03	7.05E-04	5.00E-09	4.04E-05	1.09E-05	7.57E-04	8.97E-04	4.94E-03	3.03E-03	3.98E-04	9.26E-03
1731	495161.06	3858951.99	0.21232	0.16715	0.4781	0.1262	7.92E-04	4.99E-03	3.05E-03	3.98E-04	9.23E-03	7.21E-04	5.05E-09	4.07E-05	1.09E-05	7.72E-04	9.16E-04	4.99E-03	3.05E-03	3.98E-04	9.35E-03
1732	495211.06	3858951.99	0.21146	0.16679	0.4773	0.12581	7.89E-04	4.98E-03	3.04E-03	3.97E-04	9.21E-03	7.18E-04	5.04E-09	4.06E-05	1.08E-05	7.69E-04	9.12E-04	4.98E-03	3.04E-03	3.97E-04	9.33E-03
1733	495261.06	3858951.99	0.21034	0.16659	0.4746	0.12577	7.85E-04	4.97E-03	3.03E-03	3.97E-04	9.18E-03	7.14E-04	5.03E-09	4.04E-05	1.08E-05	7.65E-04	9.08E-04	4.97E-03	3.03E-03	3.97E-04	9.30E-03
1734	495311.06	3858951.99	0.20532	0.16454	0.467	0.12422	7.66E-04	4.91E-03	2.98E-03	3.92E-04	9.05E-03	6.97E-04	4.97E-09	3.97E-05	1.07E-05	7.47E-04	8.86E-04	4.91E-03	2.98E-03	3.92E-04	9.17E-03
1735	495361.06	3858951.99	0.20531	0.16462	0.4672	0.12401	7.66E-04	4.91E-03	2.98E-03	3.92E-04	9.05E-03	6.97E-04	4.97E-09	3.97E-05	1.07E-05	7.47E-04	8.86E-04	4.91E-03	2.98E-03	3.92E-04	9.17E-03
1736	495411.06	3858951.99	0.20738	0.16509	0.4676	0.12438	7.74E-04	4.93E-03	2.98E-03	3.93E-04	9.07E-03	7.04E-04	4.99E-09	3.98E-05	1.07E-05	7.55E-04	8.95E-04	4.93E-03	2.98E-03	3.93E-04	9.20E-03
1737	495461.06	3858951.99	0.20723	0.16422	0.4667	0.12334	7.73E-04	4.90E-03	2.98E-03	3.89E-04	9.04E-03	7.04E-04	4.96E-09	3.97E-05	1.06E-05	7.54E-04	8.94E-04	4.90E-03	2.98E-03	3.89E-04	9.16E-03
1738	495511.06	3858951.99	0.2086	0.16404	0.4664	0.12381	7.78E-04	4.89E-03	2.97E-03	3.91E-04	9.04E-03	7.08E-04	4.95E-09	3.97E-05	1.07E-05	7.59E-04	9.00E-04	4.89E-03	2.97E-03	3.91E-04	9.16E-03
1739	495561.06	3858951.99	0.20329	0.16086	0.4626	0.12056	7.59E-04	4.80E-03	2.95E-03	3.81E-04	8.89E-03	6.90E-04	4.86E-09	3.93E-05	1.04E-05	7.40E-04	8.77E-04	4.80E-03	2.95E-03	3.81E-04	9.01E-03
1740	495611.06	3858951.99	0.20151	0.15917	0.4603	0.119	7.52E-04	4.75E-03	2.94E-03	3.76E-04	8.81E-03	6.84E-04	4.81E-09	3.91E-05	1.02E-05	7.34E-04	8.70E-04	4.75E-03	2.94E-03	3.76E-04	8.93E-03
1741	495661.06	3858951.99	0.20307	0.15908	0.4599	0.11881	7.58E-04	4.75E-03	2.93E-03	3.75E-04	8.81E-03	6.89E-04	4.80E-09	3.91E-05	1.02E-05	7.39E-04	8.76E-04	4.75E-03	2.93E-03	3.75E-04	8.93E-03
1742	494311.06	3859001.99	0.34259	0.23423	0.4981	0.15922	1.28E-03	6.99E-03	3.18E-03	5.03E-04	1.19E-02	1.16E-03	7.07E-09	4.24E-05	1.37E-05	1.22E-03	1.48E-03	6.99E-03	3.18E-03	5.03E-04	1.21E-02
1743	494361.06	3859001.99	0.34085	0.23404	0.4999	0.15897	1.27E-03	6.98E-03	3.19E-03	5.02E-04	1.19E-02	1.16E-03	7.07E-09	4.25E-05	1.37E-05	1.21E-03	1.47E-03	6.98E-03	3.19E-03	5.02E-04	1.21E-02
1744	494411.06	3859001.99	0.33845	0.23458	0.5032	0.15625	1.26E-03	7.00E-03	3.21E-03	4.93E-04	1.20E-02	1.15E-03	7.08E-09	4.28E-05	1.35E-05	1.21E-03	1.46E-03	7.00E-03	3.21E-03	4.93E-04	1.22E-02
1745	494461.06	3859001.99	0.33476	0.2334	0.5061	0.15571	1.25E-03	6.96E-03	3.23E-03	4.92E-04	1.19E-02	1.14E-03	7.05E-09	4.30E-05	1.34E-05	1.19E-03	1.44E-03	6.96E-03	3.23E-03	4.92E-04	1.21E-02
1746	494511.06	3859001.99	0.32931	0.23193	0.5045	0.1551	1.23E-03	6.92E-03	3.22E-03	4.90E-04	1.19E-02	1.12E-03	7.00E-09	4.29E-05	1.34E-05	1.17E-03	1.42E-03	6.92E-03	3.22E-03	4.90E-04	1.20E-02
1747	494561.06	3859001.99	0.31889	0.22629	0.4962	0.15033	1.19E-03	6.75E-03	3.16E-03	4.75E-04	1.16E-02	1.08E-03	6.83E-09	4.22E-05	1.29E-05	1.14E-03	1.38E-03	6.75E-03	3.16E-03	4.75E-04	1.18E-02
1748	494611.06	3859001.99	0.30836	0.22095	0.4926	0.14713	1.15E-03	6.59E-03	3.14E-03	4.65E-04	1.13E-02	1.05E-03	6.67E-09	4.19E-05	1.27E-05	1.10E-03	1.33E-03	6.59E-03	3.14E-03	4.65E-04	1.15E-02
1749	494661.06	3859001.99	0.29838	0.21417	0.4894	0.14401	1.11E-03	6.39E-03	3.12E-03	4.55E-04	1.11E-02	1.01E-03	6.47E-09	4.16E-05	1.24E-05	1.07E-03	1.29E-03	6.39E-03	3.12E-03	4.55E-04	1.13E-02
1750	494711.06	3859001.99	0.28831	0.20679	0.4857	0.14104	1.08E-03	6.17E-03	3.10E-03	4.45E-04	1.08E-02	9.79E-04	6.24E-09	4.13E-05	1.21E-05	1.03E-03	1.24E-03	6.17E-03	3.10E-03	4.45E-04	1.10E-02
1751	494761.06	3859001.99	0.2819	0.20258	0.4842	0.13998	1.05E-03	6.04E-03	3.09E-03	4.42E-04	1.06E-02	9.57E-04	6.12E-09	4.12E-05	1.21E-05	1.01E-03	1.22E-03	6.04E-03	3.09E-03	4.42E-04	1.08E-02
1752	494811.06	3859001.99	0.27654	0.20024	0.4847	0.13873	1.03E-03	5.97E-03	3.09E-03	4.38E-04	1.05E-02	9.39E-04	6.05E-09	4.12E-05	1.19E-05	9.92E-04	1.19E-03	5.97E-03	3.09E-03	4.38E-04	1.07E-02
1753	494861.06	3859001.99	0.26862	0.19593	0.4791	0.13676	1.00E-03	5.85E-03	3.06E-03	4.32E-04	1.03E-02	9.12E-04	5.92E-09	4.07E-05	1.18E-05	9.64E-04	1.16E-03	5.85E-03	3.06E-03	4.32E-04	1.05E-02
1754	494911.06	3859001.99	0.25953	0.19159	0.4729	0.13541	9.68E-04	5.72E-03	3.02E-03	4.28E-04	1.01E-02	8.81E-04	5.79E-09	4.02E-05	1.17E-05	9.33E-04	1.12E-03	5.72E-03	3.02E-03	4.28E-04	1.03E-02
1755	494961.06	3859001.99	0.25188	0.18716	0.4719	0.13392	9.40E-04	5.58E-03	3.01E-03	4.23E-04	9.96E-03	8.55E-04	5.65E-09	4.01E-05	1.15E-05	9.07E-04	1.09E-03	5.58E-03	3.01E-03	4.23E-04	1.01E-02
1756	495011.06	3859001.99	0.22876	0.17605	0.4665	0.12936	8.54E-04	5.25E-03	2.98E-03	4.08E-04	9.49E-03	7.77E-04	5.32E-09	3.97E-05	1.11E-05	8.27E-04	9.87E-04	5.25E-03	2.98E-03	4.08E-04	9.62E-03
1757	495061.06	3859001.99	0.22467	0.17401	0.4645	0.12827	8.38E-04	5.19E-03	2.96E-03	4.05E-04	9.40E-03	7.63E-04	5.25E-09	3.95E-05	1.10E-05	8.13E-04	9.69E-04	5.19E-03	2.96E-03	4.05E-04	9.53E-03
1758	495111.06	3859001.99	0.21578	0.16993	0.461	0.12636	8.05E-04	5.07E-03	2.94E-03	3.99E-04	9.21E-03	7.33E-04	5.13E-09	3.92E-05	1.09E-05	7.83E-04	9.31E-04	5.07E-03	2.94E-03	3.99E-04	9.34E-03
1759	495161.06	3859001.99	0.2215	0.17264	0.4632	0.12832	8.27E-04	5.15E-03	2.95E-03	4.05E-04	9.34E-03	7.52E-04	5.21E-09	3.94E-05	1.10E-05	8.02E-04	9.56E-04	5.15E-03	2.95E-03	4.05E-04	9.47E-03
1760	495211.06	3859001.99	0.21839	0.17183	0.4633	0.12755	8.15E-04	5.13E-03	2.95E-03	4.03E-04	9.30E-03	7.41E-04	5.19E-09	3.94E-05	1.10E-05	7.92E-04	9.42E-04	5.13E-03	2.95E-03	4.03E-04	9.43E-03
1761	495261.06	3859001.99	0.21835	0.172	0.4636	0.12698	8.15E-04	5.13E-03	2.96E-03	4.01E-04	9.30E-03	7.41E-04	5.19E-09	3.94E-05	1.09E-05	7.92E-04	9.42E-04	5.13E-03	2.96E-03	4.01E-04	9.43E-03
1762	495311.06	3859001.99	0.21697	0.17113	0.4632	0.12607	8.10E-04	5.11E-03	2.95E-03	3.98E-04	9.27E-03	7.37E-04	5.17E-09	3.94E-05	1.09E-05	7.87E-04	9.36E-04	5.11E-03	2.95E-03	3.98E-04	9.39E-03
1763	495361.06	3859001.99	0.21763	0.17132	0.463	0.12547	8.12E-04	5.11E-03	2.95E-03	3.96E-04	9.27E-03	7.39E-04	5.17E-09	3.94E-05	1.08E-05	7.89E-04	9.39E-04	5.11E-03	2.95E-03	3.96E-04	9.40E-03
1764	495411.06	3859001.99	0.21647	0.17098	0.4615	0.12492	8.08E-04	5.10E-03	2.94E-03	3.94E-04	9.25E-03	7.35E-04	5.16E-09	3.92E-05	1.08E-05	7.85E-04	9.34E-04	5.10E-03	2.94E-03	3.94E-04	9.37E-03
1765	495461.06	3859001.99	0.21571	0.17089	0.4603	0.12444	8.05E-04	5.10E-03	2.94E-03	3.93E-04	9.23E-03	7.32E-04	5.16E-09	3.91E-05	1.07E-05	7.82E-04	9.31E-04	5.10E-03	2.94E-03	3.93E-04	9.36E-03

1766	495511.06	3859001.99	0.21035	0.16841	0.4555	0.12343	7.85E-04	5.02E-03	2.91E-03	3.90E-04	9.10E-03	7.14E-04	5.09E-09	3.87E-05	1.06E-05	7.64E-04	9.08E-04	5.02E-03	2.91E-03	3.90E-04	9.23E-03
1767	495561.06	3859001.99	0.20759	0.16717	0.4531	0.12311	7.75E-04	4.99E-03	2.89E-03	3.89E-04	9.04E-03	7.05E-04	5.05E-09	3.85E-05	1.06E-05	7.54E-04	8.96E-04	4.99E-03	2.89E-03	3.89E-04	9.16E-03
1768	495611.06	3859001.99	0.20631	0.16571	0.451	0.12206	7.70E-04	4.94E-03	2.88E-03	3.85E-04	8.98E-03	7.00E-04	5.00E-09	3.84E-05	1.05E-05	7.49E-04	8.90E-04	4.94E-03	2.88E-03	3.85E-04	9.10E-03
1769	495661.06	3859001.99	0.21068	0.16725	0.4513	0.12275	7.86E-04	4.99E-03	2.88E-03	3.88E-04	9.04E-03	7.15E-04	5.05E-09	3.84E-05	1.06E-05	7.64E-04	9.09E-04	4.99E-03	2.88E-03	3.88E-04	9.16E-03
1770	494311.06	3859051.99	0.35723	0.24421	0.5021	0.16465	1.33E-03	7.29E-03	3.20E-03	5.20E-04	1.23E-02	1.21E-03	7.37E-09	4.27E-05	1.42E-05	1.27E-03	1.54E-03	7.29E-03	3.20E-03	5.20E-04	1.25E-02
1771	494361.06	3859051.99	0.35893	0.24658	0.4918	0.16218	1.34E-03	7.36E-03	3.14E-03	5.12E-04	1.23E-02	1.22E-03	7.45E-09	4.18E-05	1.40E-05	1.27E-03	1.55E-03	7.36E-03	3.14E-03	5.12E-04	1.26E-02
1772	494411.06	3859051.99	0.35736	0.24393	0.4842	0.16079	1.33E-03	7.28E-03	3.09E-03	5.08E-04	1.22E-02	1.21E-03	7.37E-09	4.12E-05	1.38E-05	1.27E-03	1.54E-03	7.28E-03	3.09E-03	5.08E-04	1.24E-02
1773	494461.06	3859051.99	0.35121	0.24078	0.4765	0.15902	1.31E-03	7.18E-03	3.04E-03	5.02E-04	1.20E-02	1.19E-03	7.27E-09	4.05E-05	1.37E-05	1.25E-03	1.52E-03	7.18E-03	3.04E-03	5.02E-04	1.22E-02
1774	494511.06	3859051.99	0.34023	0.2364	0.473	0.15699	1.27E-03	7.05E-03	3.02E-03	4.96E-04	1.18E-02	1.16E-03	7.14E-09	4.02E-05	1.35E-05	1.21E-03	1.47E-03	7.05E-03	3.02E-03	4.96E-04	1.20E-02
1775	494561.06	3859051.99	0.33539	0.23335	0.4714	0.15498	1.25E-03	6.96E-03	3.01E-03	4.89E-04	1.17E-02	1.14E-03	7.05E-09	4.01E-05	1.33E-05	1.19E-03	1.45E-03	6.96E-03	3.01E-03	4.89E-04	1.19E-02
1776	494611.06	3859051.99	0.32504	0.22812	0.4707	0.152	1.21E-03	6.81E-03	3.00E-03	4.80E-04	1.15E-02	1.10E-03	6.89E-09	4.00E-05	1.31E-05	1.16E-03	1.40E-03	6.81E-03	3.00E-03	4.80E-04	1.17E-02
1777	494661.06	3859051.99	0.31379	0.22216	0.4698	0.14889	1.17E-03	6.63E-03	3.00E-03	4.70E-04	1.13E-02	1.07E-03	6.71E-09	4.00E-05	1.28E-05	1.12E-03	1.35E-03	6.63E-03	3.00E-03	4.70E-04	1.14E-02
1778	494711.06	3859051.99	0.30359	0.21608	0.4693	0.14519	1.13E-03	6.45E-03	2.99E-03	4.58E-04	1.10E-02	1.03E-03	6.53E-09	3.99E-05	1.25E-05	1.08E-03	1.31E-03	6.45E-03	2.99E-03	4.58E-04	1.12E-02
1779	494761.06	3859051.99	0.29264	0.21051	0.4688	0.14042	1.09E-03	6.28E-03	2.99E-03	4.43E-04	1.08E-02	9.94E-04	6.36E-09	3.99E-05	1.21E-05	1.05E-03	1.26E-03	6.28E-03	2.99E-03	4.43E-04	1.10E-02
1780	494811.06	3859051.99	0.28642	0.20707	0.4647	0.13742	1.07E-03	6.18E-03	2.96E-03	4.34E-04	1.06E-02	9.72E-04	6.25E-09	3.95E-05	1.18E-05	1.02E-03	1.24E-03	6.18E-03	2.96E-03	4.34E-04	1.08E-02
1781	494861.06	3859051.99	0.28121	0.20343	0.463	0.13571	1.05E-03	6.07E-03	2.95E-03	4.28E-04	1.05E-02	9.55E-04	6.14E-09	3.94E-05	1.17E-05	1.01E-03	1.21E-03	6.07E-03	2.95E-03	4.28E-04	1.07E-02
1782	494911.06	3859051.99	0.27176	0.19756	0.4611	0.13318	1.01E-03	5.89E-03	2.94E-03	4.20E-04	1.03E-02	9.23E-04	5.97E-09	3.92E-05	1.15E-05	9.73E-04	1.17E-03	5.89E-03	2.94E-03	4.20E-04	1.04E-02
1783	494961.06	3859051.99	0.25443	0.18956	0.4575	0.13015	9.49E-04	5.66E-03	2.92E-03	4.11E-04	9.93E-03	8.64E-04	5.72E-09	3.89E-05	1.12E-05	9.14E-04	1.10E-03	5.66E-03	2.92E-03	4.11E-04	1.01E-02
1784	495011.06	3859051.99	0.24364	0.18415	0.455	0.12837	9.09E-04	5.49E-03	2.90E-03	4.05E-04	9.71E-03	8.27E-04	5.56E-09	3.87E-05	1.11E-05	8.77E-04	1.05E-03	5.49E-03	2.90E-03	4.05E-04	9.85E-03
1785	495061.06	3859051.99	0.23749	0.18098	0.4551	0.12708	8.86E-04	5.40E-03	2.90E-03	4.01E-04	9.59E-03	8.06E-04	5.47E-09	3.87E-05	1.09E-05	8.56E-04	1.02E-03	5.40E-03	2.90E-03	4.01E-04	9.73E-03
1786	495111.06	3859051.99	0.23308	0.17932	0.4505	0.12631	8.70E-04	5.35E-03	2.87E-03	3.99E-04	9.49E-03	7.91E-04	5.42E-09	3.83E-05	1.09E-05	8.41E-04	1.01E-03	5.35E-03	2.87E-03	3.99E-04	9.63E-03
1787	495161.06	3859051.99	0.2373	0.18097	0.4485	0.12739	8.85E-04	5.40E-03	2.86E-03	4.02E-04	9.55E-03	8.06E-04	5.46E-09	3.81E-05	1.10E-05	8.55E-04	1.02E-03	5.40E-03	2.86E-03	4.02E-04	9.69E-03
1788	495211.06	3859051.99	0.23187	0.17909	0.45	0.12685	8.65E-04	5.34E-03	2.87E-03	4.01E-04	9.48E-03	7.87E-04	5.41E-09	3.83E-05	1.09E-05	8.36E-04	1.00E-03	5.34E-03	2.87E-03	4.01E-04	9.61E-03
1789	495261.06	3859051.99	0.23227	0.17988	0.4505	0.12715	8.67E-04	5.37E-03	2.87E-03	4.01E-04	9.51E-03	7.89E-04	5.43E-09	3.83E-05	1.09E-05	8.38E-04	1.00E-03	5.37E-03	2.87E-03	4.01E-04	9.64E-03
1790	495311.06	3859051.99	0.22926	0.17856	0.4505	0.12645	8.55E-04	5.33E-03	2.87E-03	3.99E-04	9.46E-03	7.78E-04	5.39E-09	3.83E-05	1.09E-05	8.28E-04	9.89E-04	5.33E-03	2.87E-03	3.99E-04	9.59E-03
1791	495361.06	3859051.99	0.22803	0.17813	0.4509	0.12615	8.51E-04	5.31E-03	2.88E-03	3.98E-04	9.44E-03	7.74E-04	5.38E-09	3.83E-05	1.09E-05	8.23E-04	9.84E-04	5.31E-03	2.88E-03	3.98E-04	9.57E-03
1792	495411.06	3859051.99	0.22792	0.1783	0.4506	0.12611	8.50E-04	5.32E-03	2.87E-03	3.98E-04	9.44E-03	7.74E-04	5.38E-09	3.83E-05	1.09E-05	8.23E-04	9.84E-04	5.32E-03	2.87E-03	3.98E-04	9.58E-03
1793	495461.06	3859051.99	0.22782	0.17838	0.4506	0.12602	8.50E-04	5.32E-03	2.87E-03	3.98E-04	9.44E-03	7.73E-04	5.39E-09	3.83E-05	1.09E-05	8.23E-04	9.83E-04	5.32E-03	2.87E-03	3.98E-04	9.58E-03
1794	495511.06	3859051.99	0.22359	0.17576	0.4496	0.12464	8.34E-04	5.24E-03	2.87E-03	3.94E-04	9.34E-03	7.59E-04	5.31E-09	3.82E-05	1.07E-05	8.08E-04	9.65E-04	5.24E-03	2.87E-03	3.94E-04	9.47E-03
1795	495561.06	3859051.99	0.21957	0.17383	0.4488	0.12376	8.19E-04	5.19E-03	2.86E-03	3.91E-04	9.26E-03	7.45E-04	5.25E-09	3.82E-05	1.07E-05	7.94E-04	9.47E-04	5.19E-03	2.86E-03	3.91E-04	9.39E-03
1796	495611.06	3859051.99	0.21604	0.17217	0.4474	0.12307	8.06E-04	5.14E-03	2.85E-03	3.89E-04	9.18E-03	7.33E-04	5.20E-09	3.80E-05	1.06E-05	7.82E-04	9.32E-04	5.14E-03	2.85E-03	3.89E-04	9.31E-03
1797	495661.06	3859051.99	0.21819	0.17311	0.4462	0.12284	8.14E-04	5.16E-03	2.85E-03	3.88E-04	9.21E-03	7.41E-04	5.23E-09	3.79E-05	1.06E-05	7.89E-04	9.42E-04	5.16E-03	2.85E-03	3.88E-04	9.34E-03
1798	494311.06	3859101.99	0.36792	0.26125	0.5229	0.16571	1.37E-03	7.79E-03	3.34E-03	5.23E-04	1.30E-02	1.25E-03	7.89E-09	4.45E-05	1.43E-05	1.31E-03	1.59E-03	7.79E-03	3.34E-03	5.23E-04	1.32E-02
1799	494361.06	3859101.99	0.36537	0.25856	0.5108	0.16602	1.36E-03	7.71E-03	3.26E-03	5.24E-04	1.29E-02	1.24E-03	7.81E-09	4.34E-05	1.43E-05	1.30E-03	1.58E-03	7.71E-03	3.26E-03	5.24E-04	1.31E-02
1800	494411.06	3859101.99	0.36493	0.25693	0.4978	0.16533	1.36E-03	7.67E-03	3.18E-03	5.22E-04	1.27E-02	1.24E-03	7.76E-09	4.23E-05	1.42E-05	1.30E-03	1.57E-03	7.67E-03	3.18E-03	5.22E-04	1.29E-02
1801	494461.06	3859101.99	0.36122	0.253	0.4912	0.16356	1.35E-03	7.55E-03	3.13E-03	5.16E-04	1.25E-02	1.23E-03	7.64E-09	4.18E-05	1.41E-05	1.28E-03	1.56E-03	7.55E-03	3.13E-03	5.16E-04	1.28E-02
1802	494511.06	3859101.99	0.35488	0.24613	0.4844	0.1608	1.32E-03	7.34E-03	3.09E-03	5.08E-04	1.23E-02	1.20E-03	7.43E-09	4.12E-05	1.38E-05	1.26E-03	1.53E-03	7.34E-03	3.09E-03	5.08E-04	1.25E-02
1803	494561.06	3859101.99	0.35143	0.241	0.478	0.15829	1.31E-03	7.19E-03	3.05E-03	5.00E-04	1.21E-02	1.19E-03	7.28E-09	4.07E-05	1.36E-05	1.25E-03	1.52E-03	7.19E-03	3.05E-03	5.00E-04	1.23E-02
1804	494611.06	3859101.99	0.33735	0.23405	0.4664	0.15562	1.26E-03	6.98E-03	2.98E-03	4.91E-04	1.17E-02	1.15E-03	7.07E-09	3.97E-05	1.34E-05	1.20E-03	1.46E-03	6.98E-03	2.98E-03	4.91E-04	1.19E-02
1805	494661.06	3859101.99	0.32731	0.23073	0.4577	0.15367	1.22E-03	6.88E-03	2.92E-03	4.85E-04	1.15E-02	1.11E-03	6.97E-09	3.89E-05	1.32E-05	1.16E-03	1.41E-03	6.88E-03	2.92E-03	4.85E-04	1.17E-02
1806	494711.06	3859101.99	0.31709	0.22168	0.4456	0.14969	1.18E-03	6.61E-03	2.84E-03	4.73E-04	1.11E-02	1.08E-03	6.69E-09	3.79E-05	1.29E-05	1.13E-03	1.37E-03	6.61E-03	2.84E-03	4.73E-04	1.13E-02
1807	494761.06	3859101.99	0.31234	0.22002	0.4446	0.14847	1.17E-03	6.56E-03	2.84E-03	4.69E-04	1.10E-02	1.06E-03	6.64E-09	3.78E-05	1.28E-05	1.11E-03	1.35E-03	6.56E-03	2.84E-03	4.69E-04	1.12E-02
1808	494811.06	3859101.99	0.30296	0.215	0.4426	0.14609	1.13E-03	6.41E-03	2.82E-03	4.61E-04	1.08E-02	1.03E-03	6.49E-09	3.76E-05	1.26E-05	1.08E-03	1.31E-03	6.41E-03	2.82E-03	4.61E-04	1.10E-02
1809	494861.06	3859101.99	0.29441	0.21072	0.4406	0.14395	1.10E-03	6.29E-03	2.81E-03	4.55E-04	1.07E-02	1.00E-03	6.36E-09	3.75E-05	1.24E-05	1.05E-03	1.27E-03	6.29E-03	2.81E-03	4.55E-04	1.08E-02
1810	494911.06	3859101.99	0.28193	0.20423	0.4368	0.1391	1.05E-03	6.09E-03	2.79E-03	4.39E-04	1.04E-02	9.57E-04	6.17E-09	3.71E-05	1.20E-05	1.01E-03	1.22E-03	6.09E-03	2.79E-03	4.39E-04	1.05E-02
1811	494961.06	3859101.99	0.26609	0.19552	0.4335	0.13217	9.93E-04	5.83E-03	2.77E-03	4.17E-04	1.00E-02	9.03E-04	5.90E-09	3.69E-05	1.14E-05	9.52E-04	1.15E-03	5.83E-03	2.77E-03	4.17E-04	1.02E-02
1812	495011.06	3859101.99	0.24907	0.18777	0.4297	0.12684	9.29E-04	5.60E-03	2.74E-03	4.00E-04	9.67E-03	8.46E-04	5.67E-09	3.65E-05	1.09E-05	8.93E-04	1.07E-03	5.60E-03	2.74E-03	4.00E-04	9.82E-03
1813	495061.06	3859101.99	0.24989	0.18786	0.4283	0.12633	9.32E-04	5.60E-03	2.73E-03	3.99E-04	9.67E-03	8.48E-04	5.67E-09	3.64E-05	1.09E-05	8.96E-04	1.08E-03	5.60E-03	2.73E-03	3.99E-04	9.81E-03
1814	495111.06	3859101.99	0.24416	0.18595	0.4267	0.12541	9.11E-04	5.55E-03	2.72E-03	3.96E-04	9.58E-03	8.29E-04	5.62E-09	3.63E-05	1.08E-05	8.76E-04	1.05E-03	5.55E-03	2.72E-03	3.96E-04	9.72E-03
1815	495161.06	3859101.99	0.24668	0.18765	0.4298	0.12613	9.20E-04	5.60E-03	2.74E-03	3.98E-04	9.66E-03	8.37E-04	5.67E-09	3.66E-05	1.09E-05	8.85E-04	1.06E-03	5.60E-03	2.74E-03	3.98E-04	9.80E-03
1816	495211.06	3859101.99	0.24387	0.18591	0.4308	0.12551	9.10E-04	5.55E-03	2.75E-03	3.96E-04	9.60E-03	8.28E-04	5.61E-09	3.66E-05	1.08E-05	8.75E-04	1.05E-03	5.55E-03	2.75E-03	3.96E-04	9.74E-03
1817	495261.06	3859101.99	0.24506	0.18595	0.4323	0.12559	9.14E-04	5.55E-03	2.76E-03	3.97E-04	9.62E-03	8.32E-04	5.62E-09	3.68E-05	1.08E-05	8.80E-04	1.06E-03	5.55E-03	2.76E-03	3.97E-04	9.76E-03
1818	495311.06	3859101.99	0.244	0.18493	0.4339	0.126	9.10E-04	5.52E-03	2.77E-03	3.98E-04	9.59E-03	8.28E-04	5.58E-09	3.69E-05	1.08E-05	8.76E-04	1.05E-03	5.52E-03	2.77E-03	3.98E-04	9.74E-03
1819	495361.06	3859101.99	0.24359	0.18533	0.4367	0.12551	9.09E-04	5.53E-03	2.79E-03	3.96E-04	9.62E-03	8.27E-04	5.60E-09	3.71E-05	1.08E-05	8.75E-04	1.05E-03	5.53E-03	2.79E-03	3.96E-04	9.76E-03
1820	495411.06	3859101.99	0.24202	0.1849	0.4399	0.12513	9.03E-04	5.52E-03	2.81E-03	3.95E-04	9.62E-03	8.22E-04	5.58E-09	3.74E-05	1.08E-05	8.70E-04	1.04E-03	5.52E-03	2.81E-03	3.95E-04	9.76E-03
1821	495461.06	3859101.99	0.23879	0.18315	0.4422	0.12506	8.91E-04	5.46E-03	2.82E-03	3.95E-04	9.57E-03	8.11E-04	5.53E-09	3.76E-05	1.08E-05	8.59E-04	1.03E-03	5.46E-03	2.82E-03	3.95E-04	9.71E-03
1822	495511.06	3859101.99	0.23646	0.18216	0.4395	0.12467	8.82E-04	5.43E-03	2.80E-03	3.94E-04	9.51E-03	8.03E-04	5.50E-09	3.74E-05	1.07E-05	8.51E-04	1.02E-03	5.43E-03	2.80E-03	3.94E-04	9.65E-03
1823	495561.06	3859101.99	0.23204	0.18022	0.4371	0.12358	8.66E-04	5.38E-03	2.79E-03	3.90E-04	9.42E-03	7.88E-04	5.44E-09	3.72E-05	1.06E-05	8.36E-04	1.00E-03	5.38E-03	2.79E-03	3.90E-04	9.56E-03
1824	495611.06	3859101.99	0.22799	0.17803	0.4378	0.12302	8.51E-04	5.31E-03	2.79E-03	3.88E-04	9.34E-03	7.74E-04	5.38E-09	3.72E-05	1.06E-05	8.22E-04	9.84E-04	5.31E-03	2.79E-03	3.88E-04	9.48E-03
1825	495661.06	3859101.99	0.22917	0.17804	0.4391	0.12282	8.55E-04	5.31E-03	2.80E-03	3.88E-04	9.36E-03	7.78E-04	5.38E-09	3.73E-05	1.06E-05	8.26E-04	9.89E-04	5.31E-03	2.80E-03	3.88E-04	9.49E-03
1826	494311.06	3859151.99	0.38632	0.2736	0.4925	0.16898	1.44E-03	8.16E-03	3.14E-03	5.34E-04	1.33E-02	1.31E-03	8.26E-09	4.19E-05	1.46E-05	1.37E-03	1.67E-03	8.16E-03	3.14E-03	5.34E-04	1.35E-02

1827	494361.06	3859151.99	0.38543	0.27199	0.5019	0.16782	1.44E-03	8.11E-03	3.20E-03	5.30E-04	1.33E-02	1.31E-03	8.21E-09	4.27E-05	1.45E-05	1.37E-03	1.66E-03	8.11E-03	3.20E-03	5.30E-04	1.35E-02
1828	494411.06	3859151.99	0.37717	0.26632	0.5156	0.16569	1.41E-03	7.95E-03	3.29E-03	5.23E-04	1.32E-02	1.28E-03	8.04E-09	4.39E-05	1.43E-05	1.34E-03	1.63E-03	7.95E-03	3.29E-03	5.23E-04	1.34E-02
1829	494461.06	3859151.99	0.36854	0.26052	0.5224	0.16367	1.38E-03	7.77E-03	3.33E-03	5.17E-04	1.30E-02	1.25E-03	7.87E-09	4.44E-05	1.41E-05	1.31E-03	1.59E-03	7.77E-03	3.33E-03	5.17E-04	1.32E-02
1830	494511.06	3859151.99	0.35902	0.25279	0.5174	0.16101	1.34E-03	7.54E-03	3.30E-03	5.08E-04	1.27E-02	1.22E-03	7.63E-09	4.40E-05	1.39E-05	1.28E-03	1.55E-03	7.54E-03	3.30E-03	5.08E-04	1.29E-02
1831	494561.06	3859151.99	0.35565	0.24897	0.5082	0.15965	1.33E-03	7.43E-03	3.24E-03	5.04E-04	1.25E-02	1.21E-03	7.52E-09	4.32E-05	1.37E-05	1.26E-03	1.53E-03	7.43E-03	3.24E-03	5.04E-04	1.27E-02
1832	494611.06	3859151.99	0.34804	0.24313	0.4915	0.15729	1.30E-03	7.25E-03	3.14E-03	4.97E-04	1.22E-02	1.18E-03	7.34E-09	4.18E-05	1.35E-05	1.24E-03	1.50E-03	7.25E-03	3.14E-03	4.97E-04	1.24E-02
1833	494661.06	3859151.99	0.34408	0.23949	0.48	0.15522	1.28E-03	7.14E-03	3.06E-03	4.90E-04	1.20E-02	1.17E-03	7.23E-09	4.08E-05	1.34E-05	1.22E-03	1.48E-03	7.14E-03	3.06E-03	4.90E-04	1.22E-02
1834	494711.06	3859151.99	0.34088	0.23642	0.4737	0.15304	1.27E-03	7.05E-03	3.02E-03	4.83E-04	1.18E-02	1.16E-03	7.14E-09	4.03E-05	1.32E-05	1.21E-03	1.47E-03	7.05E-03	3.02E-03	4.83E-04	1.20E-02
1835	494761.06	3859151.99	0.32589	0.22842	0.4662	0.15	1.22E-03	6.81E-03	2.97E-03	4.74E-04	1.15E-02	1.11E-03	6.90E-09	3.96E-05	1.29E-05	1.16E-03	1.41E-03	6.81E-03	2.97E-03	4.74E-04	1.17E-02
1836	494811.06	3859151.99	0.31334	0.22149	0.4555	0.14864	1.17E-03	6.61E-03	2.91E-03	4.69E-04	1.12E-02	1.06E-03	6.69E-09	3.87E-05	1.28E-05	1.12E-03	1.35E-03	6.61E-03	2.91E-03	4.69E-04	1.13E-02
1837	494861.06	3859151.99	0.30941	0.21808	0.4415	0.14747	1.15E-03	6.51E-03	2.82E-03	4.66E-04	1.09E-02	1.05E-03	6.59E-09	3.76E-05	1.27E-05	1.10E-03	1.34E-03	6.51E-03	2.82E-03	4.66E-04	1.11E-02
1838	494911.06	3859151.99	0.29648	0.21122	0.4267	0.14522	1.11E-03	6.30E-03	2.72E-03	4.59E-04	1.06E-02	1.01E-03	6.38E-09	3.63E-05	1.25E-05	1.06E-03	1.28E-03	6.30E-03	2.72E-03	4.59E-04	1.08E-02
1839	494961.06	3859151.99	0.28115	0.20121	0.4143	0.1405	1.05E-03	6.00E-03	2.64E-03	4.44E-04	1.01E-02	9.55E-04	6.08E-09	3.52E-05	1.21E-05	1.00E-03	1.21E-03	6.00E-03	2.64E-03	4.44E-04	1.03E-02
1840	495011.06	3859151.99	0.2609	0.19432	0.4114	0.13279	9.74E-04	5.80E-03	2.62E-03	4.19E-04	9.81E-03	8.86E-04	5.87E-09	3.50E-05	1.14E-05	9.32E-04	1.13E-03	5.80E-03	2.62E-03	4.19E-04	9.97E-03
1841	495061.06	3859151.99	0.26003	0.19391	0.4111	0.13196	9.70E-04	5.78E-03	2.62E-03	4.17E-04	9.79E-03	8.83E-04	5.86E-09	3.50E-05	1.14E-05	9.29E-04	1.12E-03	5.78E-03	2.62E-03	4.17E-04	9.95E-03
1842	495111.06	3859151.99	0.2574	0.19288	0.4104	0.13036	9.60E-04	5.75E-03	2.62E-03	4.12E-04	9.74E-03	8.74E-04	5.82E-09	3.49E-05	1.12E-05	9.20E-04	1.11E-03	5.75E-03	2.62E-03	4.12E-04	9.89E-03
1843	495161.06	3859151.99	0.26098	0.19493	0.4112	0.13089	9.74E-04	5.82E-03	2.62E-03	4.13E-04	9.83E-03	8.86E-04	5.89E-09	3.50E-05	1.13E-05	9.32E-04	1.13E-03	5.82E-03	2.62E-03	4.13E-04	9.98E-03
1844	495211.06	3859151.99	0.25985	0.19402	0.4106	0.13	9.70E-04	5.79E-03	2.62E-03	4.10E-04	9.79E-03	8.82E-04	5.86E-09	3.49E-05	1.12E-05	9.28E-04	1.12E-03	5.79E-03	2.62E-03	4.10E-04	9.94E-03
1845	495261.06	3859151.99	0.25851	0.19312	0.4103	0.1293	9.65E-04	5.76E-03	2.62E-03	4.08E-04	9.75E-03	8.78E-04	5.83E-09	3.49E-05	1.11E-05	9.24E-04	1.12E-03	5.76E-03	2.62E-03	4.08E-04	9.90E-03
1846	495311.06	3859151.99	0.25719	0.19247	0.4115	0.12886	9.60E-04	5.74E-03	2.62E-03	4.07E-04	9.73E-03	8.73E-04	5.81E-09	3.50E-05	1.11E-05	9.19E-04	1.11E-03	5.74E-03	2.62E-03	4.07E-04	9.88E-03
1847	495361.06	3859151.99	0.25736	0.19157	0.4125	0.12827	9.60E-04	5.72E-03	2.63E-03	4.05E-04	9.71E-03	8.74E-04	5.79E-09	3.51E-05	1.10E-05	9.20E-04	1.11E-03	5.72E-03	2.63E-03	4.05E-04	9.86E-03
1848	495411.06	3859151.99	0.26097	0.19341	0.4123	0.12862	9.74E-04	5.77E-03	2.63E-03	4.06E-04	9.78E-03	8.86E-04	5.84E-09	3.51E-05	1.11E-05	9.32E-04	1.13E-03	5.77E-03	2.63E-03	4.06E-04	9.93E-03
1849	495461.06	3859151.99	0.25806	0.19263	0.4108	0.12805	9.63E-04	5.75E-03	2.62E-03	4.04E-04	9.73E-03	8.76E-04	5.82E-09	3.49E-05	1.10E-05	9.22E-04	1.11E-03	5.75E-03	2.62E-03	4.04E-04	9.88E-03
1850	495511.06	3859151.99	0.25116	0.18942	0.4128	0.12679	9.37E-04	5.65E-03	2.63E-03	4.00E-04	9.62E-03	8.53E-04	5.72E-09	3.51E-05	1.09E-05	8.99E-04	1.08E-03	5.65E-03	2.63E-03	4.00E-04	9.77E-03
1851	495561.06	3859151.99	0.24654	0.18724	0.4139	0.12584	9.20E-04	5.59E-03	2.64E-03	3.97E-04	9.54E-03	8.37E-04	5.65E-09	3.52E-05	1.08E-05	8.83E-04	1.06E-03	5.59E-03	2.64E-03	3.97E-04	9.69E-03
1852	495611.06	3859151.99	0.24234	0.18547	0.4164	0.12508	9.04E-04	5.53E-03	2.66E-03	3.95E-04	9.49E-03	8.23E-04	5.60E-09	3.54E-05	1.08E-05	8.69E-04	1.05E-03	5.53E-03	2.66E-03	3.95E-04	9.63E-03
1853	495661.06	3859151.99	0.23956	0.18401	0.419	0.12417	8.94E-04	5.49E-03	2.67E-03	3.92E-04	9.45E-03	8.13E-04	5.56E-09	3.56E-05	1.07E-05	8.60E-04	1.03E-03	5.49E-03	2.67E-03	3.92E-04	9.59E-03
1854	494311.06	3859201.99	0.39551	0.28525	0.4585	0.17061	1.48E-03	8.51E-03	2.92E-03	5.39E-04	1.34E-02	1.34E-03	8.61E-09	3.90E-05	1.47E-05	1.40E-03	1.71E-03	8.51E-03	2.92E-03	5.39E-04	1.37E-02
1855	494361.06	3859201.99	0.39249	0.28254	0.4641	0.1691	1.46E-03	8.43E-03	2.96E-03	5.34E-04	1.34E-02	1.33E-03	8.53E-09	3.95E-05	1.46E-05	1.39E-03	1.69E-03	8.43E-03	2.96E-03	5.34E-04	1.36E-02
1856	494411.06	3859201.99	0.38929	0.27809	0.4649	0.16684	1.45E-03	8.30E-03	2.97E-03	5.27E-04	1.32E-02	1.32E-03	8.40E-09	3.95E-05	1.44E-05	1.38E-03	1.68E-03	8.30E-03	2.97E-03	5.27E-04	1.35E-02
1857	494461.06	3859201.99	0.38201	0.27078	0.4641	0.16337	1.43E-03	8.08E-03	2.96E-03	5.16E-04	1.30E-02	1.30E-03	8.18E-09	3.95E-05	1.41E-05	1.35E-03	1.65E-03	8.08E-03	2.96E-03	5.16E-04	1.32E-02
1858	494511.06	3859201.99	0.37671	0.26646	0.4641	0.16111	1.41E-03	7.95E-03	2.96E-03	5.09E-04	1.28E-02	1.28E-03	8.05E-09	3.95E-05	1.39E-05	1.33E-03	1.63E-03	7.95E-03	2.96E-03	5.09E-04	1.30E-02
1859	494561.06	3859201.99	0.36641	0.25872	0.4631	0.15779	1.37E-03	7.72E-03	2.95E-03	4.98E-04	1.25E-02	1.24E-03	7.81E-09	3.94E-05	1.36E-05	1.30E-03	1.58E-03	7.72E-03	2.95E-03	4.98E-04	1.28E-02
1860	494611.06	3859201.99	0.35689	0.25298	0.4653	0.15607	1.33E-03	7.55E-03	2.97E-03	4.93E-04	1.23E-02	1.21E-03	7.64E-09	3.96E-05	1.34E-05	1.26E-03	1.54E-03	7.55E-03	2.97E-03	4.93E-04	1.25E-02
1861	494661.06	3859201.99	0.35047	0.24864	0.4709	0.15458	1.31E-03	7.42E-03	3.00E-03	4.88E-04	1.22E-02	1.19E-03	7.51E-09	4.00E-05	1.33E-05	1.24E-03	1.51E-03	7.42E-03	3.00E-03	4.88E-04	1.24E-02
1862	494711.06	3859201.99	0.34659	0.24431	0.4783	0.15325	1.29E-03	7.29E-03	3.05E-03	4.84E-04	1.21E-02	1.18E-03	7.38E-09	4.07E-05	1.32E-05	1.23E-03	1.50E-03	7.29E-03	3.05E-03	4.84E-04	1.23E-02
1863	494761.06	3859201.99	0.33745	0.23712	0.4837	0.15031	1.26E-03	7.07E-03	3.09E-03	4.75E-04	1.19E-02	1.15E-03	7.16E-09	4.11E-05	1.29E-05	1.20E-03	1.46E-03	7.07E-03	3.09E-03	4.75E-04	1.21E-02
1864	494811.06	3859201.99	0.33077	0.23109	0.4828	0.14923	1.23E-03	6.89E-03	3.08E-03	4.71E-04	1.17E-02	1.12E-03	6.98E-09	4.11E-05	1.29E-05	1.18E-03	1.43E-03	6.89E-03	3.08E-03	4.71E-04	1.19E-02
1865	494861.06	3859201.99	0.31899	0.22207	0.4699	0.14841	1.19E-03	6.63E-03	3.00E-03	4.69E-04	1.13E-02	1.08E-03	6.71E-09	4.00E-05	1.28E-05	1.14E-03	1.38E-03	6.63E-03	3.00E-03	4.69E-04	1.15E-02
1866	494911.06	3859201.99	0.30214	0.21514	0.4624	0.14638	1.13E-03	6.42E-03	2.95E-03	4.62E-04	1.10E-02	1.03E-03	6.50E-09	3.93E-05	1.26E-05	1.08E-03	1.30E-03	6.42E-03	2.95E-03	4.62E-04	1.11E-02
1867	494961.06	3859201.99	0.28839	0.20751	0.4537	0.14362	1.08E-03	6.19E-03	2.89E-03	4.53E-04	1.06E-02	9.79E-04	6.27E-09	3.86E-05	1.24E-05	1.03E-03	1.24E-03	6.19E-03	2.89E-03	4.53E-04	1.08E-02
1868	495011.06	3859201.99	0.2685	0.19763	0.4206	0.13496	1.00E-03	5.90E-03	2.68E-03	4.26E-04	1.00E-02	9.12E-04	5.97E-09	3.58E-05	1.16E-05	9.59E-04	1.16E-03	5.90E-03	2.68E-03	4.26E-04	1.02E-02
1869	495061.06	3859201.99	0.27744	0.20153	0.4245	0.13885	1.04E-03	6.01E-03	2.71E-03	4.38E-04	1.02E-02	9.42E-04	6.09E-09	3.61E-05	1.20E-05	9.90E-04	1.20E-03	6.01E-03	2.71E-03	4.38E-04	1.04E-02
1870	495111.06	3859201.99	0.27825	0.20156	0.417	0.13853	1.04E-03	6.01E-03	2.66E-03	4.37E-04	1.01E-02	9.45E-04	6.09E-09	3.55E-05	1.19E-05	9.92E-04	1.20E-03	6.01E-03	2.66E-03	4.37E-04	1.03E-02
1871	495161.06	3859201.99	0.27605	0.20092	0.4077	0.1376	1.03E-03	5.99E-03	2.60E-03	4.34E-04	1.01E-02	9.37E-04	6.07E-09	3.47E-05	1.18E-05	9.84E-04	1.19E-03	5.99E-03	2.60E-03	4.34E-04	1.02E-02
1872	495211.06	3859201.99	0.2699	0.19877	0.4001	0.13498	1.01E-03	5.93E-03	2.55E-03	4.26E-04	9.92E-03	9.16E-04	6.00E-09	3.40E-05	1.16E-05	9.62E-04	1.16E-03	5.93E-03	2.55E-03	4.26E-04	1.01E-02
1873	495261.06	3859201.99	0.26997	0.19879	0.3996	0.13476	1.01E-03	5.93E-03	2.55E-03	4.25E-04	9.91E-03	9.17E-04	6.00E-09	3.40E-05	1.16E-05	9.62E-04	1.16E-03	5.93E-03	2.55E-03	4.25E-04	1.01E-02
1874	495311.06	3859201.99	0.26918	0.19808	0.3994	0.13298	1.00E-03	5.91E-03	2.55E-03	4.20E-04	9.88E-03	9.14E-04	5.98E-09	3.40E-05	1.15E-05	9.59E-04	1.16E-03	5.91E-03	2.55E-03	4.20E-04	1.00E-02
1875	495361.06	3859201.99	0.26902	0.19777	0.3993	0.13159	1.00E-03	5.90E-03	2.55E-03	4.15E-04	9.87E-03	9.13E-04	5.97E-09	3.40E-05	1.13E-05	9.59E-04	1.16E-03	5.90E-03	2.55E-03	4.15E-04	1.00E-02
1876	495411.06	3859201.99	0.27291	0.19883	0.4001	0.13143	1.02E-03	5.93E-03	2.55E-03	4.15E-04	9.92E-03	9.27E-04	6.00E-09	3.40E-05	1.13E-05	9.72E-04	1.18E-03	5.93E-03	2.55E-03	4.15E-04	1.01E-02
1877	495461.06	3859201.99	0.27121	0.19766	0.3991	0.12993	1.01E-03	5.90E-03	2.55E-03	4.10E-04	9.86E-03	9.21E-04	5.97E-09	3.39E-05	1.12E-05	9.66E-04	1.17E-03	5.90E-03	2.55E-03	4.10E-04	1.00E-02
1878	495511.06	3859201.99	0.26943	0.19653	0.3981	0.12868	1.01E-03	5.86E-03	2.54E-03	4.06E-04	9.81E-03	9.15E-04	5.93E-09	3.39E-05	1.11E-05	9.60E-04	1.16E-03	5.86E-03	2.54E-03	4.06E-04	9.97E-03
1879	495561.06	3859201.99	0.26456	0.1933	0.396	0.12643	9.87E-04	5.77E-03	2.53E-03	3.99E-04	9.68E-03	8.98E-04	5.84E-09	3.37E-05	1.09E-05	9.43E-04	1.14E-03	5.77E-03	2.53E-03	3.99E-04	9.83E-03
1880	495611.06	3859201.99	0.25942	0.19119	0.3962	0.12531	9.68E-04	5.70E-03	2.53E-03	3.96E-04	9.59E-03	8.81E-04	5.77E-09	3.37E-05	1.08E-05	9.25E-04	1.12E-03	5.70E-03	2.53E-03	3.96E-04	9.75E-03
1881	495661.06	3859201.99	0.25426	0.18992	0.3967	0.12472	9.49E-04	5.67E-03	2.53E-03	3.94E-04	9.54E-03	8.63E-04	5.74E-09	3.37E-05	1.07E-05	9.08E-04	1.10E-03	5.67E-03	2.53E-03	3.94E-04	9.69E-03
1882	494311.06	3859251.99	0.40036	0.30157	0.4598	0.17282	1.49E-03	9.00E-03	2.93E-03	5.46E-04	1.40E-02	1.36E-03	9.11E-09	3.91E-05	1.49E-05	1.41E-03	1.73E-03	9.00E-03	2.93E-03	5.46E-04	1.42E-02
1883	494361.06	3859251.99	0.39793	0.29655	0.4508	0.17044	1.48E-03	8.85E-03	2.88E-03	5.38E-04	1.37E-02	1.35E-03	8.96E-09	3.83E-05	1.47E-05	1.40E-03	1.72E-03	8.85E-03	2.88E-03	5.38E-04	1.40E-02
1884	494411.06	3859251.99	0.39332	0.28901	0.4509	0.16714	1.47E-03	8.62E-03	2.88E-03	5.28E-04	1.35E-02	1.34E-03	8.73E-09	3.83E-05	1.44E-05	1.39E-03	1.70E-03	8.62E-03	2.88E-03	5.28E-04	1.37E-02
1885	494461.06	3859251.99	0.38684	0.28428	0.4455	0.16505	1.44E-03	8.48E-03	2.84E-03	5.21E-04	1.33E-02	1.31E-03	8.58E-09	3.79E-05	1.42E-05	1.37E-03	1.67E-03	8.48E-03	2.84E-03	5.21E-04	1.35E-02
1886	494511.06	3859251.99	0.37998	0.27539	0.4378	0.16179	1.42E-03	8.22E-03	2.79E-03	5.11E-04	1.29E-02	1.29E-03	8.32E-09	3.72E-05	1.39E-05	1.34E-03	1.64E-03	8.22E-03	2.79E-03	5.11E-04	1.32E-02
1887	494561.06	3859251.99	0.37592	0.26996	0.4318	0.15983	1.40E-03	8.05E-03	2.75E-03	5.05E-04	1.27E-02	1.28E-03	8.15E-09	3.67E-05	1.38E-05	1.33E-03	1.62E-03	8.05E-03	2.75E-03	5.05E-04	1.29E-02

1888	494611.06	3859251.99	0.36861	0.26285	0.4332	0.15752	1.38E-03	7.84E-03	2.76E-03	4.97E-04	1.25E-02	1.25E-03	7.94E-09	3.68E-05	1.36E-05	1.30E-03	1.59E-03	7.84E-03	2.76E-03	4.97E-04	1.27E-02
1889	494661.06	3859251.99	0.36427	0.26008	0.4375	0.15585	1.36E-03	7.76E-03	2.79E-03	4.92E-04	1.24E-02	1.24E-03	7.85E-09	3.72E-05	1.34E-05	1.29E-03	1.57E-03	7.76E-03	2.79E-03	4.92E-04	1.26E-02
1890	494711.06	3859251.99	0.35813	0.25561	0.4374	0.15394	1.34E-03	7.63E-03	2.79E-03	4.86E-04	1.22E-02	1.22E-03	7.72E-09	3.72E-05	1.33E-05	1.27E-03	1.55E-03	7.63E-03	2.79E-03	4.86E-04	1.24E-02
1891	494761.06	3859251.99	0.34024	0.24188	0.4348	0.14872	1.27E-03	7.22E-03	2.77E-03	4.70E-04	1.17E-02	1.16E-03	7.30E-09	3.70E-05	1.28E-05	1.20E-03	1.47E-03	7.22E-03	2.77E-03	4.70E-04	1.19E-02
1892	494811.06	3859251.99	0.33691	0.24157	0.435	0.14752	1.26E-03	7.21E-03	2.77E-03	4.66E-04	1.17E-02	1.14E-03	7.30E-09	3.70E-05	1.27E-05	1.19E-03	1.45E-03	7.21E-03	2.77E-03	4.66E-04	1.19E-02
1893	494861.06	3859251.99	0.32301	0.22976	0.4323	0.14568	1.21E-03	6.85E-03	2.76E-03	4.60E-04	1.13E-02	1.10E-03	6.94E-09	3.68E-05	1.25E-05	1.15E-03	1.39E-03	6.85E-03	2.76E-03	4.60E-04	1.15E-02
1894	494911.06	3859251.99	0.31072	0.2212	0.4263	0.14385	1.16E-03	6.60E-03	2.72E-03	4.54E-04	1.09E-02	1.05E-03	6.68E-09	3.63E-05	1.24E-05	1.10E-03	1.34E-03	6.60E-03	2.72E-03	4.54E-04	1.11E-02
1895	494961.06	3859251.99	0.30523	0.21722	0.4267	0.14313	1.14E-03	6.48E-03	2.72E-03	4.52E-04	1.08E-02	1.04E-03	6.56E-09	3.63E-05	1.23E-05	1.08E-03	1.32E-03	6.48E-03	2.72E-03	4.52E-04	1.10E-02
1896	495011.06	3859251.99	0.29452	0.21252	0.4288	0.14158	1.10E-03	6.34E-03	2.73E-03	4.47E-04	1.06E-02	1.00E-03	6.42E-09	3.65E-05	1.22E-05	1.05E-03	1.27E-03	6.34E-03	2.73E-03	4.47E-04	1.08E-02
1897	495061.06	3859251.99	0.29498	0.21279	0.4337	0.1418	1.10E-03	6.35E-03	2.77E-03	4.48E-04	1.07E-02	1.00E-03	6.43E-09	3.69E-05	1.22E-05	1.05E-03	1.27E-03	6.35E-03	2.77E-03	4.48E-04	1.08E-02
1898	495111.06	3859251.99	0.29205	0.21096	0.4345	0.14087	1.09E-03	6.29E-03	2.77E-03	4.45E-04	1.06E-02	9.92E-04	6.37E-09	3.70E-05	1.21E-05	1.04E-03	1.26E-03	6.29E-03	2.77E-03	4.45E-04	1.08E-02
1899	495161.06	3859251.99	0.28798	0.21004	0.4364	0.14032	1.07E-03	6.27E-03	2.78E-03	4.43E-04	1.06E-02	9.78E-04	6.34E-09	3.71E-05	1.21E-05	1.03E-03	1.24E-03	6.27E-03	2.78E-03	4.43E-04	1.07E-02
1900	495211.06	3859251.99	0.28458	0.20801	0.4369	0.1393	1.06E-03	6.21E-03	2.79E-03	4.40E-04	1.05E-02	9.66E-04	6.28E-09	3.72E-05	1.20E-05	1.02E-03	1.23E-03	6.21E-03	2.79E-03	4.40E-04	1.07E-02
1901	495261.06	3859251.99	0.28507	0.20665	0.4381	0.13935	1.06E-03	6.17E-03	2.79E-03	4.40E-04	1.05E-02	9.68E-04	6.24E-09	3.73E-05	1.20E-05	1.02E-03	1.23E-03	6.17E-03	2.79E-03	4.40E-04	1.06E-02
1902	495311.06	3859251.99	0.28483	0.20759	0.4307	0.13858	1.06E-03	6.19E-03	2.75E-03	4.38E-04	1.04E-02	9.67E-04	6.27E-09	3.66E-05	1.19E-05	1.02E-03	1.23E-03	6.19E-03	2.75E-03	4.38E-04	1.06E-02
1903	495361.06	3859251.99	0.28301	0.20627	0.4203	0.13789	1.06E-03	6.15E-03	2.68E-03	4.35E-04	1.03E-02	9.61E-04	6.23E-09	3.57E-05	1.19E-05	1.01E-03	1.22E-03	6.15E-03	2.68E-03	4.35E-04	1.05E-02
1904	495411.06	3859251.99	0.28461	0.20679	0.4124	0.13786	1.06E-03	6.17E-03	2.63E-03	4.35E-04	1.03E-02	9.66E-04	6.24E-09	3.51E-05	1.19E-05	1.01E-03	1.23E-03	6.17E-03	2.63E-03	4.35E-04	1.05E-02
1905	495461.06	3859251.99	0.28329	0.2052	0.4025	0.13693	1.06E-03	6.12E-03	2.57E-03	4.32E-04	1.02E-02	9.62E-04	6.20E-09	3.42E-05	1.18E-05	1.01E-03	1.22E-03	6.12E-03	2.57E-03	4.32E-04	1.03E-02
1906	495511.06	3859251.99	0.27834	0.20171	0.3911	0.13392	1.04E-03	6.02E-03	2.49E-03	4.23E-04	9.97E-03	9.45E-04	6.09E-09	3.33E-05	1.15E-05	9.90E-04	1.20E-03	6.02E-03	2.49E-03	4.23E-04	1.01E-02
1907	495561.06	3859251.99	0.27618	0.19988	0.3875	0.13197	1.03E-03	5.96E-03	2.47E-03	4.17E-04	9.88E-03	9.38E-04	6.04E-09	3.30E-05	1.14E-05	9.82E-04	1.19E-03	5.96E-03	2.47E-03	4.17E-04	1.00E-02
1908	495611.06	3859251.99	0.27145	0.19706	0.3856	0.12927	1.01E-03	5.88E-03	2.46E-03	4.08E-04	9.76E-03	9.22E-04	5.95E-09	3.28E-05	1.11E-05	9.66E-04	1.17E-03	5.88E-03	2.46E-03	4.08E-04	9.92E-03
1909	495661.06	3859251.99	0.26851	0.19541	0.3849	0.12696	1.00E-03	5.83E-03	2.45E-03	4.01E-04	9.69E-03	9.12E-04	5.90E-09	3.27E-05	1.09E-05	9.55E-04	1.16E-03	5.83E-03	2.45E-03	4.01E-04	9.84E-03
1910	494311.06	3859301.99	0.40722	0.31637	0.4923	0.16707	1.52E-03	9.44E-03	3.14E-03	5.28E-04	1.46E-02	1.38E-03	9.55E-09	4.19E-05	1.44E-05	1.44E-03	1.76E-03	9.44E-03	3.14E-03	5.28E-04	1.49E-02
1911	494361.06	3859301.99	0.39891	0.31112	0.48	0.16544	1.49E-03	9.28E-03	3.06E-03	5.22E-04	1.44E-02	1.35E-03	9.40E-09	4.08E-05	1.42E-05	1.41E-03	1.72E-03	9.28E-03	3.06E-03	5.22E-04	1.46E-02
1912	494411.06	3859301.99	0.39292	0.30424	0.4672	0.16261	1.47E-03	9.08E-03	2.98E-03	5.13E-04	1.40E-02	1.33E-03	9.19E-09	3.97E-05	1.40E-05	1.39E-03	1.70E-03	9.08E-03	2.98E-03	5.13E-04	1.43E-02
1913	494461.06	3859301.99	0.39071	0.29612	0.4538	0.16059	1.46E-03	8.83E-03	2.89E-03	5.07E-04	1.37E-02	1.33E-03	8.94E-09	3.86E-05	1.38E-05	1.38E-03	1.69E-03	8.83E-03	2.89E-03	5.07E-04	1.39E-02
1914	494511.06	3859301.99	0.38629	0.28874	0.445	0.15853	1.44E-03	8.61E-03	2.84E-03	5.01E-04	1.34E-02	1.31E-03	8.72E-09	3.78E-05	1.37E-05	1.36E-03	1.67E-03	8.61E-03	2.84E-03	5.01E-04	1.36E-02
1915	494561.06	3859301.99	0.38223	0.28397	0.4364	0.15702	1.43E-03	8.47E-03	2.78E-03	4.96E-04	1.32E-02	1.30E-03	8.58E-09	3.71E-05	1.35E-05	1.35E-03	1.65E-03	8.47E-03	2.78E-03	4.96E-04	1.34E-02
1916	494611.06	3859301.99	0.37562	0.27818	0.4278	0.15538	1.40E-03	8.30E-03	2.73E-03	4.91E-04	1.29E-02	1.28E-03	8.40E-09	3.64E-05	1.34E-05	1.33E-03	1.62E-03	8.30E-03	2.73E-03	4.91E-04	1.31E-02
1917	494661.06	3859301.99	0.3712	0.27264	0.4245	0.15402	1.39E-03	8.13E-03	2.71E-03	4.86E-04	1.27E-02	1.26E-03	8.23E-09	3.61E-05	1.33E-05	1.31E-03	1.60E-03	8.13E-03	2.71E-03	4.86E-04	1.29E-02
1918	494711.06	3859301.99	0.36513	0.26517	0.4232	0.15171	1.36E-03	7.91E-03	2.70E-03	4.79E-04	1.25E-02	1.24E-03	8.01E-09	3.60E-05	1.31E-05	1.29E-03	1.58E-03	7.91E-03	2.70E-03	4.79E-04	1.27E-02
1919	494761.06	3859301.99	0.35893	0.25891	0.4164	0.14902	1.34E-03	7.72E-03	2.66E-03	4.71E-04	1.22E-02	1.22E-03	7.82E-09	3.54E-05	1.28E-05	1.27E-03	1.55E-03	7.72E-03	2.66E-03	4.71E-04	1.24E-02
1920	494811.06	3859301.99	0.34804	0.24979	0.408	0.14629	1.30E-03	7.45E-03	2.60E-03	4.62E-04	1.18E-02	1.18E-03	7.54E-09	3.47E-05	1.26E-05	1.23E-03	1.50E-03	7.45E-03	2.60E-03	4.62E-04	1.20E-02
1921	494861.06	3859301.99	0.33133	0.23855	0.4	0.1445	1.24E-03	7.12E-03	2.55E-03	4.56E-04	1.14E-02	1.12E-03	7.20E-09	3.40E-05	1.24E-05	1.17E-03	1.43E-03	7.12E-03	2.55E-03	4.56E-04	1.16E-02
1922	494911.06	3859301.99	0.32229	0.2335	0.4027	0.14345	1.20E-03	6.97E-03	2.57E-03	4.53E-04	1.12E-02	1.09E-03	7.05E-09	3.42E-05	1.24E-05	1.14E-03	1.39E-03	6.97E-03	2.57E-03	4.53E-04	1.14E-02
1923	494961.06	3859301.99	0.30396	0.22182	0.4014	0.14176	1.13E-03	6.62E-03	2.56E-03	4.48E-04	1.08E-02	1.03E-03	6.70E-09	3.41E-05	1.22E-05	1.08E-03	1.31E-03	6.62E-03	2.56E-03	4.48E-04	1.09E-02
1924	495011.06	3859301.99	0.30028	0.21843	0.4035	0.14035	1.12E-03	6.52E-03	2.57E-03	4.43E-04	1.07E-02	1.02E-03	6.60E-09	3.43E-05	1.21E-05	1.07E-03	1.30E-03	6.52E-03	2.57E-03	4.43E-04	1.08E-02
1925	495061.06	3859301.99	0.31267	0.22236	0.4085	0.1414	1.17E-03	6.63E-03	2.61E-03	4.46E-04	1.09E-02	1.06E-03	6.71E-09	3.47E-05	1.22E-05	1.11E-03	1.35E-03	6.63E-03	2.61E-03	4.46E-04	1.10E-02
1926	495111.06	3859301.99	0.30293	0.21754	0.4053	0.13959	1.13E-03	6.49E-03	2.59E-03	4.41E-04	1.06E-02	1.03E-03	6.57E-09	3.45E-05	1.20E-05	1.07E-03	1.31E-03	6.49E-03	2.59E-03	4.41E-04	1.08E-02
1927	495161.06	3859301.99	0.29881	0.2171	0.4047	0.13876	1.11E-03	6.48E-03	2.58E-03	4.38E-04	1.06E-02	1.01E-03	6.56E-09	3.44E-05	1.19E-05	1.06E-03	1.29E-03	6.48E-03	2.58E-03	4.38E-04	1.08E-02
1928	495211.06	3859301.99	0.30154	0.21831	0.4102	0.13962	1.13E-03	6.51E-03	2.62E-03	4.41E-04	1.07E-02	1.02E-03	6.59E-09	3.49E-05	1.20E-05	1.07E-03	1.30E-03	6.51E-03	2.62E-03	4.41E-04	1.09E-02
1929	495261.06	3859301.99	0.29946	0.21831	0.4158	0.14025	1.12E-03	6.51E-03	2.65E-03	4.43E-04	1.07E-02	1.02E-03	6.59E-09	3.54E-05	1.21E-05	1.06E-03	1.29E-03	6.51E-03	2.65E-03	4.43E-04	1.09E-02
1930	495311.06	3859301.99	0.29219	0.21501	0.4186	0.13943	1.09E-03	6.41E-03	2.67E-03	4.40E-04	1.06E-02	9.92E-04	6.49E-09	3.56E-05	1.20E-05	1.04E-03	1.26E-03	6.41E-03	2.67E-03	4.40E-04	1.08E-02
1931	495361.06	3859301.99	0.29223	0.21547	0.4214	0.13961	1.09E-03	6.43E-03	2.69E-03	4.41E-04	1.06E-02	9.92E-04	6.51E-09	3.58E-05	1.20E-05	1.04E-03	1.26E-03	6.43E-03	2.69E-03	4.41E-04	1.08E-02
1932	495411.06	3859301.99	0.29135	0.21443	0.4234	0.139	1.09E-03	6.40E-03	2.70E-03	4.39E-04	1.06E-02	9.89E-04	6.48E-09	3.60E-05	1.20E-05	1.04E-03	1.26E-03	6.40E-03	2.70E-03	4.39E-04	1.08E-02
1933	495461.06	3859301.99	0.29055	0.21362	0.4257	0.13847	1.08E-03	6.37E-03	2.72E-03	4.37E-04	1.06E-02	9.86E-04	6.45E-09	3.62E-05	1.19E-05	1.03E-03	1.25E-03	6.37E-03	2.72E-03	4.37E-04	1.08E-02
1934	495511.06	3859301.99	0.28888	0.21072	0.4242	0.13717	1.08E-03	6.29E-03	2.71E-03	4.33E-04	1.05E-02	9.81E-04	6.36E-09	3.61E-05	1.18E-05	1.03E-03	1.25E-03	6.29E-03	2.71E-03	4.33E-04	1.07E-02
1935	495561.06	3859301.99	0.2825	0.20609	0.4202	0.13552	1.05E-03	6.15E-03	2.68E-03	4.28E-04	1.03E-02	9.59E-04	6.22E-09	3.57E-05	1.17E-05	1.01E-03	1.22E-03	6.15E-03	2.68E-03	4.28E-04	1.05E-02
1936	495611.06	3859301.99	0.28036	0.20403	0.4143	0.13461	1.05E-03	6.09E-03	2.64E-03	4.25E-04	1.02E-02	9.52E-04	6.16E-09	3.52E-05	1.16E-05	9.99E-04	1.21E-03	6.09E-03	2.64E-03	4.25E-04	1.04E-02
1937	495661.06	3859301.99	0.27844	0.20164	0.4038	0.13364	1.04E-03	6.02E-03	2.58E-03	4.22E-04	1.01E-02	9.45E-04	6.09E-09	3.43E-05	1.15E-05	9.91E-04	1.20E-03	6.02E-03	2.58E-03	4.22E-04	1.02E-02
1938	494311.06	3859351.99	0.41278	0.32848	0.4859	0.16202	1.54E-03	9.80E-03	3.10E-03	5.12E-04	1.50E-02	1.40E-03	9.92E-09	4.13E-05	1.40E-05	1.46E-03	1.78E-03	9.80E-03	3.10E-03	5.12E-04	1.52E-02
1939	494361.06	3859351.99	0.40548	0.32093	0.4808	0.16074	1.51E-03	9.57E-03	3.07E-03	5.08E-04	1.47E-02	1.38E-03	9.69E-09	4.09E-05	1.38E-05	1.43E-03	1.75E-03	9.57E-03	3.07E-03	5.08E-04	1.49E-02
1940	494411.06	3859351.99	0.39939	0.31223	0.4767	0.15929	1.49E-03	9.31E-03	3.04E-03	5.03E-04	1.43E-02	1.36E-03	9.43E-09	4.05E-05	1.37E-05	1.41E-03	1.72E-03	9.31E-03	3.04E-03	5.03E-04	1.46E-02
1941	494461.06	3859351.99	0.39435	0.30539	0.4723	0.15802	1.47E-03	9.11E-03	3.01E-03	4.99E-04	1.41E-02	1.34E-03	9.22E-09	4.02E-05	1.36E-05	1.39E-03	1.70E-03	9.11E-03	3.01E-03	4.99E-04	1.43E-02
1942	494511.06	3859351.99	0.38506	0.29948	0.4701	0.15679	1.44E-03	8.93E-03	3.00E-03	4.95E-04	1.39E-02	1.31E-03	9.04E-09	4.00E-05	1.35E-05	1.36E-03	1.66E-03	8.93E-03	3.00E-03	4.95E-04	1.41E-02
1943	494561.06	3859351.99	0.38259	0.29519	0.4672	0.15604	1.43E-03	8.81E-03	2.98E-03	4.93E-04	1.37E-02	1.30E-03	8.91E-09	3.97E-05	1.34E-05	1.35E-03	1.65E-03	8.81E-03	2.98E-03	4.93E-04	1.39E-02
1944	494611.06	3859351.99	0.38226	0.28972	0.4545	0.15522	1.43E-03	8.64E-03	2.90E-03	4.90E-04	1.35E-02	1.30E-03	8.75E-09	3.87E-05	1.34E-05	1.35E-03	1.65E-03	8.64E-03	2.90E-03	4.90E-04	1.37E-02
1945	494661.06	3859351.99	0.37782	0.28386	0.4423	0.15407	1.41E-03	8.47E-03	2.82E-03	4.86E-04	1.32E-02	1.28E-03	8.57E-09	3.76E-05	1.33E-05	1.33E-03	1.63E-03	8.47E-03	2.82E-03	4.86E-04	1.34E-02
1946	494711.06	3859351.99	0.37025	0.27579	0.4309	0.15119	1.38E-03	8.23E-03	2.75E-03	4.77E-04	1.28E-02	1.26E-03	8.33E-09	3.66E-05	1.30E-05	1.31E-03	1.60E-03	8.23E-03	2.75E-03	4.77E-04	1.31E-02
1947	494761.06	3859351.99	0.36111	0.26284	0.4222	0.14823	1.35E-03	7.84E-03	2.69E-03	4.68E-04	1.24E-02	1.23E-03	7.94E-09	3.59E-05	1.28E-05	1.27E-03	1.56E-03	7.84E-03	2.69E-03	4.68E-04	1.26E-02
1948	494811.06	3859351.99	0.34683	0.251	0.4122	0.14469	1.29E-03	7.49E-03	2.63E-03	4.57E-04	1.19E-02	1.18E-03	7.58E-09	3.51E-05	1.25E-05	1.23E-03	1.50E-03	7.49E-03	2.63E-03	4.57E-04	1.21E-02

1949	494861.06	3859351.99	0.34206	0.24708	0.4042	0.14376	1.28E-03	7.37E-03	2.58E-03	4.54E-04	1.17E-02	1.16E-03	7.46E-09	3.44E-05	1.24E-05	1.21E-03	1.48E-03	7.37E-03	2.58E-03	4.54E-04	1.19E-02
1950	494911.06	3859351.99	0.33735	0.24448	0.3969	0.14293	1.26E-03	7.29E-03	2.53E-03	4.51E-04	1.15E-02	1.15E-03	7.38E-09	3.38E-05	1.23E-05	1.19E-03	1.46E-03	7.29E-03	2.53E-03	4.51E-04	1.17E-02
1951	494961.06	3859351.99	0.33076	0.23943	0.3935	0.1416	1.23E-03	7.14E-03	2.51E-03	4.47E-04	1.13E-02	1.12E-03	7.23E-09	3.35E-05	1.22E-05	1.17E-03	1.43E-03	7.14E-03	2.51E-03	4.47E-04	1.15E-02
1952	495011.06	3859351.99	0.32544	0.23604	0.3934	0.14036	1.21E-03	7.04E-03	2.51E-03	4.43E-04	1.12E-02	1.10E-03	7.13E-09	3.35E-05	1.21E-05	1.15E-03	1.40E-03	7.04E-03	2.51E-03	4.43E-04	1.14E-02
1953	495061.06	3859351.99	0.32776	0.23862	0.3865	0.14055	1.22E-03	7.12E-03	2.46E-03	4.44E-04	1.13E-02	1.11E-03	7.21E-09	3.29E-05	1.21E-05	1.16E-03	1.41E-03	7.12E-03	2.46E-03	4.44E-04	1.14E-02
1954	495111.06	3859351.99	0.32242	0.23428	0.3803	0.13933	1.20E-03	6.99E-03	2.43E-03	4.40E-04	1.11E-02	1.09E-03	7.07E-09	3.23E-05	1.20E-05	1.14E-03	1.39E-03	6.99E-03	2.43E-03	4.40E-04	1.12E-02
1955	495161.06	3859351.99	0.32192	0.23237	0.3851	0.13871	1.20E-03	6.93E-03	2.46E-03	4.38E-04	1.10E-02	1.09E-03	7.02E-09	3.27E-05	1.19E-05	1.14E-03	1.39E-03	6.93E-03	2.46E-03	4.38E-04	1.12E-02
1956	495211.06	3859351.99	0.31927	0.23041	0.3897	0.13795	1.19E-03	6.87E-03	2.49E-03	4.36E-04	1.10E-02	1.08E-03	6.96E-09	3.31E-05	1.19E-05	1.13E-03	1.38E-03	6.87E-03	2.49E-03	4.36E-04	1.12E-02
1957	495261.06	3859351.99	0.31472	0.23029	0.3927	0.13744	1.17E-03	6.87E-03	2.50E-03	4.34E-04	1.10E-02	1.07E-03	6.95E-09	3.34E-05	1.18E-05	1.11E-03	1.36E-03	6.87E-03	2.50E-03	4.34E-04	1.12E-02
1958	495311.06	3859351.99	0.30858	0.2271	0.3925	0.13706	1.15E-03	6.78E-03	2.50E-03	4.33E-04	1.09E-02	1.05E-03	6.86E-09	3.34E-05	1.18E-05	1.09E-03	1.33E-03	6.78E-03	2.50E-03	4.33E-04	1.10E-02
1959	495361.06	3859351.99	0.30626	0.22509	0.3921	0.13719	1.14E-03	6.72E-03	2.50E-03	4.33E-04	1.08E-02	1.04E-03	6.80E-09	3.33E-05	1.18E-05	1.08E-03	1.32E-03	6.72E-03	2.50E-03	4.33E-04	1.10E-02
1960	495411.06	3859351.99	0.30228	0.22391	0.3934	0.13707	1.13E-03	6.68E-03	2.51E-03	4.33E-04	1.08E-02	1.03E-03	6.76E-09	3.35E-05	1.18E-05	1.07E-03	1.30E-03	6.68E-03	2.51E-03	4.33E-04	1.09E-02
1961	495461.06	3859351.99	0.29935	0.22367	0.3973	0.13653	1.12E-03	6.67E-03	2.53E-03	4.31E-04	1.08E-02	1.02E-03	6.75E-09	3.38E-05	1.18E-05	1.06E-03	1.29E-03	6.67E-03	2.53E-03	4.31E-04	1.09E-02
1962	495511.06	3859351.99	0.2933	0.21867	0.4	0.13529	1.09E-03	6.52E-03	2.55E-03	4.27E-04	1.06E-02	9.96E-04	6.60E-09	3.40E-05	1.16E-05	1.04E-03	1.27E-03	6.52E-03	2.55E-03	4.27E-04	1.08E-02
1963	495561.06	3859351.99	0.29019	0.21534	0.4036	0.1343	1.08E-03	6.42E-03	2.57E-03	4.24E-04	1.05E-02	9.85E-04	6.50E-09	3.43E-05	1.16E-05	1.03E-03	1.25E-03	6.42E-03	2.57E-03	4.24E-04	1.07E-02
1964	495611.06	3859351.99	0.28753	0.21314	0.4041	0.13361	1.07E-03	6.36E-03	2.58E-03	4.22E-04	1.04E-02	9.76E-04	6.44E-09	3.44E-05	1.15E-05	1.02E-03	1.24E-03	6.36E-03	2.58E-03	4.22E-04	1.06E-02
1965	495661.06	3859351.99	0.28411	0.20872	0.4036	0.13265	1.06E-03	6.23E-03	2.57E-03	4.19E-04	1.03E-02	9.65E-04	6.30E-09	3.43E-05	1.14E-05	1.01E-03	1.23E-03	6.23E-03	2.57E-03	4.19E-04	1.04E-02
1966	494311.06	3859401.99	0.42015	0.34462	0.4901	0.16254	1.57E-03	1.03E-02	3.13E-03	5.13E-04	1.55E-02	1.43E-03	1.04E-08	4.17E-05	1.40E-05	1.48E-03	1.81E-03	1.03E-02	3.13E-03	5.13E-04	1.57E-02
1967	494361.06	3859401.99	0.41618	0.33418	0.4818	0.1614	1.55E-03	9.97E-03	3.07E-03	5.10E-04	1.51E-02	1.41E-03	1.01E-08	4.10E-05	1.39E-05	1.47E-03	1.80E-03	9.97E-03	3.07E-03	5.10E-04	1.53E-02
1968	494411.06	3859401.99	0.40855	0.3228	0.4737	0.16017	1.52E-03	9.63E-03	3.02E-03	5.06E-04	1.47E-02	1.39E-03	9.75E-09	4.03E-05	1.38E-05	1.44E-03	1.76E-03	9.63E-03	3.02E-03	5.06E-04	1.49E-02
1969	494461.06	3859401.99	0.40146	0.31491	0.4658	0.15942	1.50E-03	9.39E-03	2.97E-03	5.03E-04	1.44E-02	1.36E-03	9.51E-09	3.96E-05	1.37E-05	1.42E-03	1.73E-03	9.39E-03	2.97E-03	5.03E-04	1.46E-02
1970	494511.06	3859401.99	0.39255	0.3103	0.4619	0.15877	1.46E-03	9.26E-03	2.95E-03	5.01E-04	1.42E-02	1.33E-03	9.37E-09	3.93E-05	1.37E-05	1.39E-03	1.69E-03	9.26E-03	2.95E-03	5.01E-04	1.44E-02
1971	494561.06	3859401.99	0.38861	0.30518	0.4615	0.15772	1.45E-03	9.10E-03	2.94E-03	4.98E-04	1.40E-02	1.32E-03	9.22E-09	3.93E-05	1.36E-05	1.37E-03	1.68E-03	9.10E-03	2.94E-03	4.98E-04	1.42E-02
1972	494611.06	3859401.99	0.38562	0.29867	0.4562	0.15584	1.44E-03	8.91E-03	2.91E-03	4.92E-04	1.38E-02	1.31E-03	9.02E-09	3.88E-05	1.34E-05	1.36E-03	1.66E-03	8.91E-03	2.91E-03	4.92E-04	1.40E-02
1973	494661.06	3859401.99	0.37893	0.29396	0.4525	0.15406	1.41E-03	8.77E-03	2.89E-03	4.86E-04	1.36E-02	1.29E-03	8.88E-09	3.85E-05	1.33E-05	1.34E-03	1.64E-03	8.77E-03	2.89E-03	4.86E-04	1.38E-02
1974	494711.06	3859401.99	0.37556	0.28824	0.451	0.15193	1.40E-03	8.60E-03	2.88E-03	4.80E-04	1.34E-02	1.28E-03	8.70E-09	3.84E-05	1.31E-05	1.33E-03	1.62E-03	8.60E-03	2.88E-03	4.80E-04	1.36E-02
1975	494761.06	3859401.99	0.36994	0.27623	0.4485	0.14933	1.38E-03	8.24E-03	2.86E-03	4.71E-04	1.30E-02	1.26E-03	8.34E-09	3.81E-05	1.29E-05	1.31E-03	1.60E-03	8.24E-03	2.86E-03	4.71E-04	1.32E-02
1976	494811.06	3859401.99	0.36264	0.26736	0.4401	0.1458	1.35E-03	7.98E-03	2.81E-03	4.60E-04	1.26E-02	1.23E-03	8.07E-09	3.74E-05	1.26E-05	1.28E-03	1.56E-03	7.98E-03	2.81E-03	4.60E-04	1.28E-02
1977	494861.06	3859401.99	0.35132	0.2573	0.4283	0.14334	1.31E-03	7.68E-03	2.73E-03	4.53E-04	1.22E-02	1.19E-03	7.77E-09	3.64E-05	1.23E-05	1.24E-03	1.52E-03	7.68E-03	2.73E-03	4.53E-04	1.24E-02
1978	494911.06	3859401.99	0.34665	0.25117	0.4165	0.14218	1.29E-03	7.49E-03	2.66E-03	4.49E-04	1.19E-02	1.18E-03	7.58E-09	3.54E-05	1.22E-05	1.22E-03	1.50E-03	7.49E-03	2.66E-03	4.49E-04	1.21E-02
1979	494961.06	3859401.99	0.34409	0.24926	0.4086	0.14114	1.28E-03	7.44E-03	2.61E-03	4.46E-04	1.18E-02	1.17E-03	7.53E-09	3.47E-05	1.22E-05	1.22E-03	1.48E-03	7.44E-03	2.61E-03	4.46E-04	1.20E-02
1980	495011.06	3859401.99	0.3429	0.24739	0.4016	0.14043	1.28E-03	7.38E-03	2.56E-03	4.43E-04	1.17E-02	1.16E-03	7.47E-09	3.42E-05	1.21E-05	1.21E-03	1.48E-03	7.38E-03	2.56E-03	4.43E-04	1.19E-02
1981	495061.06	3859401.99	0.34153	0.2455	0.3953	0.14009	1.27E-03	7.32E-03	2.52E-03	4.42E-04	1.16E-02	1.16E-03	7.41E-09	3.36E-05	1.21E-05	1.21E-03	1.47E-03	7.32E-03	2.52E-03	4.42E-04	1.18E-02
1982	495111.06	3859401.99	0.33611	0.24033	0.3881	0.13898	1.25E-03	7.17E-03	2.48E-03	4.39E-04	1.13E-02	1.14E-03	7.26E-09	3.30E-05	1.20E-05	1.19E-03	1.45E-03	7.17E-03	2.48E-03	4.39E-04	1.15E-02
1983	495161.06	3859401.99	0.33305	0.24047	0.3815	0.13816	1.24E-03	7.17E-03	2.43E-03	4.36E-04	1.13E-02	1.13E-03	7.26E-09	3.24E-05	1.19E-05	1.18E-03	1.44E-03	7.17E-03	2.43E-03	4.36E-04	1.15E-02
1984	495211.06	3859401.99	0.3323	0.24009	0.379	0.13769	1.24E-03	7.16E-03	2.42E-03	4.35E-04	1.13E-02	1.13E-03	7.25E-09	3.22E-05	1.19E-05	1.17E-03	1.43E-03	7.16E-03	2.42E-03	4.35E-04	1.14E-02
1985	495261.06	3859401.99	0.32909	0.23794	0.3799	0.13715	1.23E-03	7.10E-03	2.42E-03	4.33E-04	1.12E-02	1.12E-03	7.19E-09	3.23E-05	1.18E-05	1.16E-03	1.42E-03	7.10E-03	2.42E-03	4.33E-04	1.14E-02
1986	495311.06	3859401.99	0.32765	0.23542	0.3707	0.13663	1.22E-03	7.02E-03	2.36E-03	4.31E-04	1.10E-02	1.11E-03	7.11E-09	3.15E-05	1.18E-05	1.16E-03	1.41E-03	7.02E-03	2.36E-03	4.31E-04	1.12E-02
1987	495361.06	3859401.99	0.32586	0.23557	0.367	0.13629	1.22E-03	7.03E-03	2.34E-03	4.30E-04	1.10E-02	1.11E-03	7.11E-09	3.12E-05	1.17E-05	1.15E-03	1.41E-03	7.03E-03	2.34E-03	4.30E-04	1.12E-02
1988	495411.06	3859401.99	0.3194	0.23426	0.3718	0.13584	1.19E-03	6.99E-03	2.37E-03	4.29E-04	1.10E-02	1.08E-03	7.07E-09	3.16E-05	1.17E-05	1.13E-03	1.38E-03	6.99E-03	2.37E-03	4.29E-04	1.12E-02
1989	495461.06	3859401.99	0.31423	0.23115	0.3757	0.13544	1.17E-03	6.90E-03	2.40E-03	4.28E-04	1.09E-02	1.07E-03	6.98E-09	3.20E-05	1.17E-05	1.11E-03	1.36E-03	6.90E-03	2.40E-03	4.28E-04	1.11E-02
1990	495511.06	3859401.99	0.30717	0.22612	0.3769	0.13418	1.15E-03	6.75E-03	2.40E-03	4.24E-04	1.07E-02	1.04E-03	6.83E-09	3.21E-05	1.16E-05	1.09E-03	1.33E-03	6.75E-03	2.40E-03	4.24E-04	1.09E-02
1991	495561.06	3859401.99	0.29877	0.22061	0.3752	0.13286	1.11E-03	6.58E-03	2.39E-03	4.19E-04	1.05E-02	1.01E-03	6.66E-09	3.19E-05	1.14E-05	1.06E-03	1.29E-03	6.58E-03	2.39E-03	4.19E-04	1.07E-02
1992	495611.06	3859401.99	0.29301	0.21789	0.3744	0.13201	1.09E-03	6.50E-03	2.39E-03	4.17E-04	1.04E-02	9.95E-04	6.58E-09	3.18E-05	1.14E-05	1.04E-03	1.26E-03	6.50E-03	2.39E-03	4.17E-04	1.06E-02
1993	495661.06	3859401.99	0.28986	0.21569	0.3765	0.13123	1.08E-03	6.43E-03	2.40E-03	4.14E-04	1.03E-02	9.84E-04	6.51E-09	3.20E-05	1.13E-05	1.03E-03	1.25E-03	6.43E-03	2.40E-03	4.14E-04	1.05E-02
1994	494311.06	3859451.99	0.41292	0.35166	0.491	0.16265	1.54E-03	1.05E-02	3.13E-03	5.14E-04	1.57E-02	1.40E-03	1.06E-08	4.18E-05	1.40E-05	1.46E-03	1.78E-03	1.05E-02	3.13E-03	5.14E-04	1.59E-02
1995	494361.06	3859451.99	0.40811	0.34278	0.4859	0.16141	1.52E-03	1.02E-02	3.10E-03	5.10E-04	1.54E-02	1.39E-03	1.04E-08	4.13E-05	1.39E-05	1.44E-03	1.76E-03	1.02E-02	3.10E-03	5.10E-04	1.56E-02
1996	494411.06	3859451.99	0.40579	0.32798	0.4864	0.15985	1.51E-03	9.78E-03	3.10E-03	5.05E-04	1.49E-02	1.38E-03	9.90E-09	4.14E-05	1.38E-05	1.43E-03	1.75E-03	9.78E-03	3.10E-03	5.05E-04	1.51E-02
1997	494461.06	3859451.99	0.40805	0.32594	0.4807	0.1584	1.52E-03	9.72E-03	3.07E-03	5.00E-04	1.48E-02	1.39E-03	9.84E-09	4.09E-05	1.36E-05	1.44E-03	1.76E-03	9.72E-03	3.07E-03	5.00E-04	1.51E-02
1998	494511.06	3859451.99	0.40494	0.31955	0.473	0.15631	1.51E-03	9.53E-03	3.02E-03	4.94E-04	1.46E-02	1.37E-03	9.65E-09	4.02E-05	1.35E-05	1.43E-03	1.75E-03	9.53E-03	3.02E-03	4.94E-04	1.48E-02
1999	494561.06	3859451.99	0.39959	0.31462	0.4656	0.15441	1.49E-03	9.39E-03	2.97E-03	4.88E-04	1.43E-02	1.36E-03	9.50E-09	3.96E-05	1.33E-05	1.41E-03	1.72E-03	9.39E-03	2.97E-03	4.88E-04	1.46E-02
2000	494611.06	3859451.99	0.39198	0.31248	0.4584	0.153	1.46E-03	9.32E-03	2.92E-03	4.83E-04	1.42E-02	1.33E-03	9.44E-09	3.90E-05	1.32E-05	1.38E-03	1.69E-03	9.32E-03	2.92E-03	4.83E-04	1.44E-02
2001	494661.06	3859451.99	0.38104	0.3041	0.451	0.15136	1.42E-03	9.07E-03	2.88E-03	4.78E-04	1.38E-02	1.29E-03	9.18E-09	3.84E-05	1.30E-05	1.35E-03	1.64E-03	9.07E-03	2.88E-03	4.78E-04	1.41E-02
2002	494711.06	3859451.99	0.37844	0.29624	0.4436	0.14985	1.41E-03	8.84E-03	2.83E-03	4.73E-04	1.36E-02	1.28E-03	8.95E-09	3.77E-05	1.29E-05	1.34E-03	1.63E-03	8.84E-03	2.83E-03	4.73E-04	1.38E-02
2003	494761.06	3859451.99	0.37594	0.28954	0.4433	0.14849	1.40E-03	8.64E-03	2.83E-03	4.69E-04	1.33E-02	1.28E-03	8.74E-09	3.77E-05	1.28E-05	1.33E-03	1.62E-03	8.64E-03	2.83E-03	4.69E-04	1.36E-02
2004	494811.06	3859451.99	0.36799	0.2787	0.4362	0.14702	1.37E-03	8.31E-03	2.78E-03	4.64E-04	1.29E-02	1.25E-03	8.42E-09	3.71E-05	1.27E-05	1.30E-03	1.59E-03	8.31E-03	2.78E-03	4.64E-04	1.31E-02
2005	494861.06	3859451.99	0.36174	0.271	0.4309	0.14559	1.35E-03	8.08E-03	2.75E-03	4.60E-04	1.26E-02	1.23E-03	8.18E-09	3.67E-05	1.25E-05	1.28E-03	1.56E-03	8.08E-03	2.75E-03	4.60E-04	1.29E-02
2006	494911.06	3859451.99	0.35812	0.26584	0.4303	0.14421	1.34E-03	7.93E-03	2.74E-03	4.55E-04	1.25E-02	1.22E-03	8.03E-09	3.66E-05	1.24E-05	1.26E-03	1.55E-03	7.93E-03	2.74E-03	4.55E-04	1.27E-02
2007	494961.06	3859451.99	0.35671	0.26314	0.4292	0.14326	1.33E-03	7.85E-03	2.74E-03	4.52E-04	1.24E-02	1.21E-03	7.95E-09	3.65E-05	1.23E-05	1.26E-03	1.54E-03	7.85E-03	2.74E-03	4.52E-04	1.26E-02
2008	495011.06	3859451.99	0.3533	0.25943	0.4233	0.14211	1.32E-03	7.74E-03	2.70E-03	4.49E-04	1.22E-02	1.20E-03	7.83E-09	3.60E-05	1.22E-05	1.25E-03	1.52E-03	7.74E-03	2.70E-03	4.49E-04	1.24E-02
2009	495061.06	3859451.99	0.35106	0.25591	0.418	0.14094	1.31E-03	7.63E-03	2.67E-03	4.45E-04	1.21E-02	1.19E-03	7.73E-09	3.55E-05	1.21E-05	1.24E-03	1.51E-03	7.63E-03	2.67E-03	4.45E-04	1.23E-02

2010	495111.06	3859451.99	0.34805	0.252	0.4103	0.13987	1.30E-03	7.52E-03	2.62E-03	4.42E-04	1.19E-02	1.18E-03	7.61E-09	3.49E-05	1.20E-05	1.23E-03	1.50E-03	7.52E-03	2.62E-03	4.42E-04	1.21E-02
2011	495161.06	3859451.99	0.34526	0.25065	0.4002	0.13928	1.29E-03	7.48E-03	2.55E-03	4.40E-04	1.18E-02	1.17E-03	7.57E-09	3.40E-05	1.20E-05	1.22E-03	1.49E-03	7.48E-03	2.55E-03	4.40E-04	1.20E-02
2012	495211.06	3859451.99	0.34548	0.2501	0.393	0.13885	1.29E-03	7.46E-03	2.51E-03	4.38E-04	1.17E-02	1.17E-03	7.55E-09	3.34E-05	1.20E-05	1.22E-03	1.49E-03	7.46E-03	2.51E-03	4.38E-04	1.19E-02
2013	495261.06	3859451.99	0.34503	0.24914	0.3869	0.13835	1.29E-03	7.43E-03	2.47E-03	4.37E-04	1.16E-02	1.17E-03	7.52E-09	3.29E-05	1.19E-05	1.22E-03	1.49E-03	7.43E-03	2.47E-03	4.37E-04	1.18E-02
2014	495311.06	3859451.99	0.34085	0.24627	0.3806	0.1375	1.27E-03	7.35E-03	2.43E-03	4.34E-04	1.15E-02	1.16E-03	7.44E-09	3.24E-05	1.18E-05	1.20E-03	1.47E-03	7.35E-03	2.43E-03	4.34E-04	1.17E-02
2015	495361.06	3859451.99	0.33839	0.2439	0.3745	0.1368	1.26E-03	7.28E-03	2.39E-03	4.32E-04	1.14E-02	1.15E-03	7.37E-09	3.18E-05	1.18E-05	1.19E-03	1.46E-03	7.28E-03	2.39E-03	4.32E-04	1.16E-02
2016	495411.06	3859451.99	0.33373	0.24069	0.3682	0.13592	1.25E-03	7.18E-03	2.35E-03	4.29E-04	1.12E-02	1.13E-03	7.27E-09	3.13E-05	1.17E-05	1.18E-03	1.44E-03	7.18E-03	2.35E-03	4.29E-04	1.14E-02
2017	495461.06	3859451.99	0.33122	0.23853	0.3644	0.13519	1.24E-03	7.12E-03	2.32E-03	4.27E-04	1.11E-02	1.12E-03	7.20E-09	3.10E-05	1.16E-05	1.17E-03	1.43E-03	7.12E-03	2.32E-03	4.27E-04	1.13E-02
2018	495511.06	3859451.99	0.32132	0.23281	0.3638	0.13382	1.20E-03	6.95E-03	2.32E-03	4.23E-04	1.09E-02	1.09E-03	7.03E-09	3.09E-05	1.15E-05	1.13E-03	1.39E-03	6.95E-03	2.32E-03	4.23E-04	1.11E-02
2019	495561.06	3859451.99	0.3138	0.2294	0.3553	0.13319	1.17E-03	6.84E-03	2.27E-03	4.21E-04	1.07E-02	1.07E-03	6.93E-09	3.02E-05	1.15E-05	1.11E-03	1.35E-03	6.84E-03	2.27E-03	4.21E-04	1.09E-02
2020	495611.06	3859451.99	0.30773	0.22624	0.3506	0.1331	1.15E-03	6.75E-03	2.24E-03	4.20E-04	1.06E-02	1.04E-03	6.83E-09	2.98E-05	1.15E-05	1.09E-03	1.33E-03	6.75E-03	2.24E-03	4.20E-04	1.07E-02
2021	495661.06	3859451.99	0.30301	0.22328	0.3529	0.13307	1.13E-03	6.66E-03	2.25E-03	4.20E-04	1.05E-02	1.03E-03	6.74E-09	3.00E-05	1.15E-05	1.07E-03	1.31E-03	6.66E-03	2.25E-03	4.20E-04	1.06E-02
2022	494311.06	3859501.99	0.41441	0.35725	0.4784	0.15731	1.55E-03	1.07E-02	3.05E-03	4.97E-04	1.58E-02	1.41E-03	1.08E-08	4.07E-05	1.35E-05	1.46E-03	1.79E-03	1.07E-02	3.05E-03	4.97E-04	1.60E-02
2023	494361.06	3859501.99	0.41085	0.34859	0.4759	0.15618	1.53E-03	1.04E-02	3.04E-03	4.93E-04	1.55E-02	1.39E-03	1.05E-08	4.05E-05	1.34E-05	1.45E-03	1.77E-03	1.04E-02	3.04E-03	4.93E-04	1.57E-02
2024	494411.06	3859501.99	0.40504	0.33278	0.4749	0.1547	1.51E-03	9.93E-03	3.03E-03	4.88E-04	1.50E-02	1.38E-03	1.00E-08	4.04E-05	1.33E-05	1.43E-03	1.75E-03	9.93E-03	3.03E-03	4.88E-04	1.52E-02
2025	494461.06	3859501.99	0.40149	0.33328	0.4745	0.15399	1.50E-03	9.94E-03	3.03E-03	4.86E-04	1.50E-02	1.36E-03	1.01E-08	4.04E-05	1.33E-05	1.42E-03	1.73E-03	9.94E-03	3.03E-03	4.86E-04	1.52E-02
2026	494511.06	3859501.99	0.39698	0.32451	0.4728	0.15282	1.48E-03	9.68E-03	3.02E-03	4.83E-04	1.47E-02	1.35E-03	9.80E-09	4.02E-05	1.32E-05	1.40E-03	1.71E-03	9.68E-03	3.02E-03	4.83E-04	1.49E-02
2027	494561.06	3859501.99	0.39846	0.31833	0.4702	0.15182	1.49E-03	9.50E-03	3.00E-03	4.79E-04	1.45E-02	1.35E-03	9.61E-09	4.00E-05	1.31E-05	1.41E-03	1.72E-03	9.50E-03	3.00E-03	4.79E-04	1.47E-02
2028	494611.06	3859501.99	0.40276	0.31991	0.4668	0.15125	1.50E-03	9.54E-03	2.98E-03	4.78E-04	1.45E-02	1.37E-03	9.66E-09	3.97E-05	1.30E-05	1.42E-03	1.74E-03	9.54E-03	2.98E-03	4.78E-04	1.47E-02
2029	494661.06	3859501.99	0.39824	0.31074	0.4652	0.15008	1.49E-03	9.27E-03	2.97E-03	4.74E-04	1.42E-02	1.35E-03	9.38E-09	3.96E-05	1.29E-05	1.40E-03	1.72E-03	9.27E-03	2.97E-03	4.74E-04	1.44E-02
2030	494711.06	3859501.99	0.38758	0.30073	0.4575	0.14883	1.45E-03	8.97E-03	2.92E-03	4.70E-04	1.38E-02	1.32E-03	9.08E-09	3.89E-05	1.28E-05	1.37E-03	1.67E-03	8.97E-03	2.92E-03	4.70E-04	1.40E-02
2031	494761.06	3859501.99	0.37945	0.29951	0.4508	0.1482	1.42E-03	8.94E-03	2.88E-03	4.68E-04	1.37E-02	1.29E-03	9.04E-09	3.83E-05	1.28E-05	1.34E-03	1.64E-03	8.94E-03	2.88E-03	4.68E-04	1.39E-02
2032	494811.06	3859501.99	0.36997	0.28599	0.443	0.14656	1.38E-03	8.53E-03	2.83E-03	4.63E-04	1.32E-02	1.26E-03	8.64E-09	3.77E-05	1.26E-05	1.31E-03	1.60E-03	8.53E-03	2.83E-03	4.63E-04	1.34E-02
2033	494861.06	3859501.99	0.36775	0.28199	0.4361	0.1456	1.37E-03	8.41E-03	2.78E-03	4.60E-04	1.30E-02	1.25E-03	8.52E-09	3.71E-05	1.25E-05	1.30E-03	1.59E-03	8.41E-03	2.78E-03	4.60E-04	1.32E-02
2034	494911.06	3859501.99	0.36806	0.27927	0.4295	0.14486	1.37E-03	8.33E-03	2.74E-03	4.57E-04	1.29E-02	1.25E-03	8.43E-09	3.65E-05	1.25E-05	1.30E-03	1.59E-03	8.33E-03	2.74E-03	4.57E-04	1.31E-02
2035	494961.06	3859501.99	0.36319	0.27196	0.425	0.14374	1.36E-03	8.11E-03	2.71E-03	4.54E-04	1.26E-02	1.23E-03	8.21E-09	3.61E-05	1.24E-05	1.28E-03	1.57E-03	8.11E-03	2.71E-03	4.54E-04	1.28E-02
2036	495011.06	3859501.99	0.35894	0.26938	0.4195	0.14302	1.34E-03	8.04E-03	2.68E-03	4.52E-04	1.25E-02	1.22E-03	8.13E-09	3.57E-05	1.23E-05	1.27E-03	1.55E-03	8.04E-03	2.68E-03	4.52E-04	1.27E-02
2037	495061.06	3859501.99	0.35681	0.267	0.4169	0.14232	1.33E-03	7.97E-03	2.66E-03	4.49E-04	1.24E-02	1.21E-03	8.06E-09	3.55E-05	1.23E-05	1.26E-03	1.54E-03	7.97E-03	2.66E-03	4.49E-04	1.26E-02
2038	495111.06	3859501.99	0.3525	0.26086	0.4155	0.14122	1.32E-03	7.78E-03	2.65E-03	4.46E-04	1.22E-02	1.20E-03	7.88E-09	3.53E-05	1.22E-05	1.24E-03	1.52E-03	7.78E-03	2.65E-03	4.46E-04	1.24E-02
2039	495161.06	3859501.99	0.35252	0.25901	0.415	0.14055	1.32E-03	7.73E-03	2.65E-03	4.44E-04	1.21E-02	1.20E-03	7.82E-09	3.53E-05	1.21E-05	1.24E-03	1.52E-03	7.73E-03	2.65E-03	4.44E-04	1.23E-02
2040	495211.06	3859501.99	0.35319	0.25848	0.4102	0.14007	1.32E-03	7.71E-03	2.62E-03	4.42E-04	1.21E-02	1.20E-03	7.81E-09	3.49E-05	1.21E-05	1.25E-03	1.52E-03	7.71E-03	2.62E-03	4.42E-04	1.23E-02
2041	495261.06	3859501.99	0.35128	0.25651	0.4055	0.1394	1.31E-03	7.65E-03	2.59E-03	4.40E-04	1.20E-02	1.19E-03	7.75E-09	3.45E-05	1.20E-05	1.24E-03	1.52E-03	7.65E-03	2.59E-03	4.40E-04	1.22E-02
2042	495311.06	3859501.99	0.34754	0.25515	0.4035	0.13881	1.30E-03	7.61E-03	2.57E-03	4.38E-04	1.19E-02	1.18E-03	7.71E-09	3.43E-05	1.20E-05	1.23E-03	1.50E-03	7.61E-03	2.57E-03	4.38E-04	1.21E-02
2043	495361.06	3859501.99	0.34796	0.25256	0.3954	0.13805	1.30E-03	7.53E-03	2.52E-03	4.36E-04	1.18E-02	1.18E-03	7.63E-09	3.36E-05	1.19E-05	1.23E-03	1.50E-03	7.53E-03	2.52E-03	4.36E-04	1.20E-02
2044	495411.06	3859501.99	0.34624	0.25101	0.3859	0.13729	1.29E-03	7.49E-03	2.46E-03	4.33E-04	1.17E-02	1.18E-03	7.58E-09	3.28E-05	1.18E-05	1.22E-03	1.49E-03	7.49E-03	2.46E-03	4.33E-04	1.19E-02
2045	495461.06	3859501.99	0.34301	0.24663	0.3783	0.13645	1.28E-03	7.36E-03	2.41E-03	4.31E-04	1.15E-02	1.16E-03	7.45E-09	3.22E-05	1.17E-05	1.21E-03	1.48E-03	7.36E-03	2.41E-03	4.31E-04	1.17E-02
2046	495511.06	3859501.99	0.3349	0.23866	0.3717	0.13506	1.25E-03	7.12E-03	2.37E-03	4.26E-04	1.12E-02	1.14E-03	7.21E-09	3.16E-05	1.16E-05	1.18E-03	1.45E-03	7.12E-03	2.37E-03	4.26E-04	1.14E-02
2047	495561.06	3859501.99	0.33137	0.23776	0.3659	0.13421	1.24E-03	7.09E-03	2.33E-03	4.24E-04	1.11E-02	1.13E-03	7.18E-09	3.11E-05	1.16E-05	1.17E-03	1.43E-03	7.09E-03	2.33E-03	4.24E-04	1.13E-02
2048	495611.06	3859501.99	0.32627	0.23389	0.3598	0.13324	1.22E-03	6.98E-03	2.30E-03	4.21E-04	1.09E-02	1.11E-03	7.06E-09	3.06E-05	1.15E-05	1.15E-03	1.41E-03	6.98E-03	2.30E-03	4.21E-04	1.11E-02
2049	495661.06	3859501.99	0.31697	0.22964	0.3537	0.13261	1.18E-03	6.85E-03	2.26E-03	4.19E-04	1.07E-02	1.08E-03	6.93E-09	3.01E-05	1.14E-05	1.12E-03	1.37E-03	6.85E-03	2.26E-03	4.19E-04	1.09E-02
2050	494311.06	3859551.99	0.41651	0.36201	0.4633	0.15234	1.55E-03	1.08E-02	2.96E-03	4.81E-04	1.58E-02	1.41E-03	1.09E-08	3.94E-05	1.31E-05	1.47E-03	1.80E-03	1.08E-02	2.96E-03	4.81E-04	1.60E-02
2051	494361.06	3859551.99	0.41339	0.35028	0.4649	0.1519	1.54E-03	1.05E-02	2.97E-03	4.80E-04	1.54E-02	1.40E-03	1.06E-08	3.95E-05	1.31E-05	1.46E-03	1.78E-03	1.05E-02	2.97E-03	4.80E-04	1.57E-02
2052	494411.06	3859551.99	0.40673	0.33425	0.4648	0.15108	1.52E-03	9.97E-03	2.96E-03	4.77E-04	1.49E-02	1.38E-03	1.01E-08	3.95E-05	1.30E-05	1.43E-03	1.76E-03	9.97E-03	2.96E-03	4.77E-04	1.52E-02
2053	494461.06	3859551.99	0.40323	0.33746	0.4638	0.15071	1.50E-03	1.01E-02	2.96E-03	4.76E-04	1.50E-02	1.37E-03	1.02E-08	3.94E-05	1.30E-05	1.42E-03	1.74E-03	1.01E-02	2.96E-03	4.76E-04	1.52E-02
2054	494511.06	3859551.99	0.39945	0.32988	0.4611	0.14994	1.49E-03	9.84E-03	2.94E-03	4.73E-04	1.47E-02	1.36E-03	9.96E-09	3.92E-05	1.29E-05	1.41E-03	1.72E-03	9.84E-03	2.94E-03	4.73E-04	1.50E-02
2055	494561.06	3859551.99	0.39651	0.32453	0.4587	0.14916	1.48E-03	9.68E-03	2.93E-03	4.71E-04	1.46E-02	1.35E-03	9.80E-09	3.90E-05	1.28E-05	1.40E-03	1.71E-03	9.68E-03	2.93E-03	4.71E-04	1.48E-02
2056	494611.06	3859551.99	0.39244	0.32193	0.458	0.14847	1.46E-03	9.60E-03	2.92E-03	4.69E-04	1.45E-02	1.33E-03	9.72E-09	3.89E-05	1.28E-05	1.38E-03	1.69E-03	9.60E-03	2.92E-03	4.69E-04	1.47E-02
2057	494661.06	3859551.99	0.3921	0.3173	0.4568	0.14769	1.46E-03	9.47E-03	2.91E-03	4.66E-04	1.43E-02	1.33E-03	9.58E-09	3.89E-05	1.27E-05	1.38E-03	1.69E-03	9.47E-03	2.91E-03	4.66E-04	1.45E-02
2058	494711.06	3859551.99	0.38812	0.30162	0.4556	0.14632	1.45E-03	9.00E-03	2.91E-03	4.62E-04	1.38E-02	1.32E-03	9.11E-09	3.87E-05	1.26E-05	1.37E-03	1.67E-03	9.00E-03	2.91E-03	4.62E-04	1.40E-02
2059	494761.06	3859551.99	0.39271	0.30473	0.452	0.14596	1.47E-03	9.09E-03	2.88E-03	4.61E-04	1.39E-02	1.33E-03	9.20E-09	3.84E-05	1.26E-05	1.38E-03	1.69E-03	9.09E-03	2.88E-03	4.61E-04	1.41E-02
2060	494811.06	3859551.99	0.38427	0.29518	0.4502	0.14483	1.43E-03	8.81E-03	2.87E-03	4.57E-04	1.36E-02	1.30E-03	8.91E-09	3.83E-05	1.25E-05	1.36E-03	1.66E-03	8.81E-03	2.87E-03	4.57E-04	1.38E-02
2061	494861.06	3859551.99	0.37498	0.29048	0.4481	0.14404	1.40E-03	8.67E-03	2.86E-03	4.55E-04	1.34E-02	1.27E-03	8.77E-09	3.81E-05	1.24E-05	1.32E-03	1.62E-03	8.67E-03	2.86E-03	4.55E-04	1.36E-02
2062	494911.06	3859551.99	0.36843	0.28376	0.443	0.14318	1.37E-03	8.47E-03	2.83E-03	4.52E-04	1.31E-02	1.25E-03	8.57E-09	3.77E-05	1.23E-05	1.30E-03	1.59E-03	8.47E-03	2.83E-03	4.52E-04	1.33E-02
2063	494961.06	3859551.99	0.36688	0.28141	0.4365	0.14251	1.37E-03	8.40E-03	2.78E-03	4.50E-04	1.30E-02	1.25E-03	8.50E-09	3.71E-05	1.23E-05	1.29E-03	1.58E-03	8.40E-03	2.78E-03	4.50E-04	1.32E-02
2064	495011.06	3859551.99	0.36763	0.27988	0.4302	0.14188	1.37E-03	8.35E-03	2.74E-03	4.48E-04	1.29E-02	1.25E-03	8.45E-09	3.66E-05	1.22E-05	1.30E-03	1.59E-03	8.35E-03	2.74E-03	4.48E-04	1.31E-02
2065	495061.06	3859551.99	0.36789	0.27598	0.4237	0.14118	1.37E-03	8.23E-03	2.70E-03	4.46E-04	1.28E-02	1.25E-03	8.33E-09	3.60E-05	1.22E-05	1.30E-03	1.59E-03	8.23E-03	2.70E-03	4.46E-04	1.30E-02
2066	495111.06	3859551.99	0.36299	0.27088	0.4172	0.14039	1.35E-03	8.08E-03	2.66E-03	4.43E-04	1.25E-02	1.23E-03	8.18E-09	3.55E-05	1.21E-05	1.28E-03	1.57E-03	8.08E-03	2.66E-03	4.43E-04	1.28E-02
2067	495161.06	3859551.99	0.35684	0.26917	0.4114	0.13998	1.33E-03	8.03E-03	2.62E-03	4.42E-04	1.24E-02	1.21E-03	8.13E-09	3.50E-05	1.21E-05	1.26E-03	1.54E-03	8.03E-03	2.62E-03	4.42E-04	1.26E-02
2068	495211.06	3859551.99	0.35617	0.26851	0.4076	0.13962	1.33E-03	8.01E-03	2.60E-03	4.41E-04	1.24E-02	1.21E-03	8.11E-09	3.47E-05	1.20E-05	1.26E-03	1.54E-03	8.01E-03	2.60E-03	4.41E-04	1.26E-02
2069	495261.06	3859551.99	0.3538	0.26423	0.4037	0.13906	1.32E-03	7.88E-03	2.58E-03	4.39E-04	1.22E-02	1.20E-03	7.98E-09	3.43E-05	1.20E-05	1.25E-03	1.53E-03	7.88E-03	2.58E-03	4.39E-04	1.24E-02
2070	495311.06	3859551.99	0.35274	0.26137	0.4031	0.13858	1.32E-03	7.80E-03	2.57E-03	4.38E-04	1.21E-02	1.20E-03	7.89E-09	3.43E-05	1.19E-05	1.24E-03	1.52E-03	7.80E-03	2.57E-03	4.38E-04	1.23E-02

2071	495361.06	3859551.99	0.35206	0.25942	0.4029	0.13814	1.31E-03	7.74E-03	2.57E-03	4.36E-04	1.21E-02	1.20E-03	7.83E-09	3.43E-05	1.19E-05	1.24E-03	1.52E-03	7.74E-03	2.57E-03	4.36E-04	1.23E-02
2072	495411.06	3859551.99	0.34995	0.25834	0.398	0.13774	1.31E-03	7.71E-03	2.54E-03	4.35E-04	1.20E-02	1.19E-03	7.80E-09	3.38E-05	1.19E-05	1.23E-03	1.51E-03	7.71E-03	2.54E-03	4.35E-04	1.22E-02
2073	495461.06	3859551.99	0.34511	0.25258	0.3926	0.13708	1.29E-03	7.54E-03	2.50E-03	4.33E-04	1.18E-02	1.17E-03	7.63E-09	3.34E-05	1.18E-05	1.22E-03	1.49E-03	7.54E-03	2.50E-03	4.33E-04	1.20E-02
2074	495511.06	3859551.99	0.34332	0.24661	0.3889	0.13603	1.28E-03	7.36E-03	2.48E-03	4.29E-04	1.15E-02	1.17E-03	7.45E-09	3.31E-05	1.17E-05	1.21E-03	1.48E-03	7.36E-03	2.48E-03	4.29E-04	1.17E-02
2075	495561.06	3859551.99	0.34151	0.24399	0.3866	0.1351	1.27E-03	7.28E-03	2.47E-03	4.27E-04	1.14E-02	1.16E-03	7.37E-09	3.29E-05	1.16E-05	1.20E-03	1.47E-03	7.28E-03	2.47E-03	4.27E-04	1.16E-02
2076	495611.06	3859551.99	0.33828	0.24123	0.3789	0.13428	1.26E-03	7.20E-03	2.42E-03	4.24E-04	1.13E-02	1.15E-03	7.28E-09	3.22E-05	1.16E-05	1.19E-03	1.46E-03	7.20E-03	2.42E-03	4.24E-04	1.15E-02
2077	495661.06	3859551.99	0.33268	0.23751	0.3696	0.13346	1.24E-03	7.09E-03	2.36E-03	4.21E-04	1.11E-02	1.13E-03	7.17E-09	3.14E-05	1.15E-05	1.17E-03	1.44E-03	7.09E-03	2.36E-03	4.21E-04	1.13E-02
2078	494311.06	3859601.99	0.42642	0.37923	0.4393	0.15069	1.59E-03	1.13E-02	2.80E-03	4.76E-04	1.62E-02	1.45E-03	1.15E-08	3.74E-05	1.30E-05	1.50E-03	1.84E-03	1.13E-02	2.80E-03	4.76E-04	1.64E-02
2079	494361.06	3859601.99	0.41074	0.35478	0.4377	0.15019	1.53E-03	1.06E-02	2.79E-03	4.74E-04	1.54E-02	1.39E-03	1.07E-08	3.72E-05	1.29E-05	1.44E-03	1.77E-03	1.06E-02	2.79E-03	4.74E-04	1.56E-02
2080	494411.06	3859601.99	0.40683	0.34373	0.439	0.14976	1.52E-03	1.03E-02	2.80E-03	4.73E-04	1.50E-02	1.38E-03	1.04E-08	3.73E-05	1.29E-05	1.43E-03	1.76E-03	1.03E-02	2.80E-03	4.73E-04	1.53E-02
2081	494461.06	3859601.99	0.40618	0.34732	0.442	0.14914	1.52E-03	1.04E-02	2.82E-03	4.71E-04	1.52E-02	1.38E-03	1.05E-08	3.76E-05	1.28E-05	1.43E-03	1.75E-03	1.04E-02	2.82E-03	4.71E-04	1.54E-02
2082	494511.06	3859601.99	0.40217	0.33358	0.4457	0.1485	1.50E-03	9.95E-03	2.84E-03	4.69E-04	1.48E-02	1.37E-03	1.01E-08	3.79E-05	1.28E-05	1.42E-03	1.74E-03	9.95E-03	2.84E-03	4.69E-04	1.50E-02
2083	494561.06	3859601.99	0.39933	0.33474	0.4485	0.1481	1.49E-03	9.99E-03	2.86E-03	4.68E-04	1.48E-02	1.36E-03	1.01E-08	3.81E-05	1.28E-05	1.41E-03	1.72E-03	9.99E-03	2.86E-03	4.68E-04	1.50E-02
2084	494611.06	3859601.99	0.39464	0.33317	0.4507	0.14767	1.47E-03	9.94E-03	2.87E-03	4.66E-04	1.48E-02	1.34E-03	1.01E-08	3.83E-05	1.27E-05	1.39E-03	1.70E-03	9.94E-03	2.87E-03	4.66E-04	1.50E-02
2085	494661.06	3859601.99	0.39049	0.31805	0.4481	0.14675	1.46E-03	9.49E-03	2.86E-03	4.63E-04	1.43E-02	1.33E-03	9.60E-09	3.81E-05	1.26E-05	1.38E-03	1.69E-03	9.49E-03	2.86E-03	4.63E-04	1.45E-02
2086	494711.06	3859601.99	0.38468	0.30827	0.444	0.14567	1.44E-03	9.20E-03	2.83E-03	4.60E-04	1.39E-02	1.31E-03	9.31E-09	3.78E-05	1.25E-05	1.36E-03	1.66E-03	9.20E-03	2.83E-03	4.60E-04	1.41E-02
2087	494761.06	3859601.99	0.38532	0.31608	0.4428	0.14565	1.44E-03	9.43E-03	2.82E-03	4.60E-04	1.42E-02	1.31E-03	9.55E-09	3.77E-05	1.25E-05	1.36E-03	1.66E-03	9.43E-03	2.82E-03	4.60E-04	1.44E-02
2088	494811.06	3859601.99	0.38448	0.30411	0.4406	0.14474	1.43E-03	9.07E-03	2.81E-03	4.57E-04	1.38E-02	1.31E-03	9.18E-09	3.75E-05	1.25E-05	1.36E-03	1.66E-03	9.07E-03	2.81E-03	4.57E-04	1.40E-02
2089	494861.06	3859601.99	0.38539	0.30087	0.4396	0.1442	1.44E-03	8.98E-03	2.80E-03	4.55E-04	1.37E-02	1.31E-03	9.09E-09	3.74E-05	1.24E-05	1.36E-03	1.66E-03	8.98E-03	2.80E-03	4.55E-04	1.39E-02
2090	494911.06	3859601.99	0.3795	0.29358	0.4379	0.14334	1.42E-03	8.76E-03	2.79E-03	4.53E-04	1.34E-02	1.29E-03	8.87E-09	3.72E-05	1.23E-05	1.34E-03	1.64E-03	8.76E-03	2.79E-03	4.53E-04	1.36E-02
2091	494961.06	3859601.99	0.37588	0.2962	0.4357	0.14314	1.40E-03	8.84E-03	2.78E-03	4.52E-04	1.35E-02	1.28E-03	8.94E-09	3.71E-05	1.23E-05	1.33E-03	1.62E-03	8.84E-03	2.78E-03	4.52E-04	1.37E-02
2092	495011.06	3859601.99	0.36597	0.28799	0.4333	0.14213	1.37E-03	8.59E-03	2.76E-03	4.49E-04	1.32E-02	1.24E-03	8.70E-09	3.69E-05	1.22E-05	1.29E-03	1.58E-03	8.59E-03	2.76E-03	4.49E-04	1.34E-02
2093	495061.06	3859601.99	0.36662	0.28832	0.4325	0.14176	1.37E-03	8.60E-03	2.76E-03	4.48E-04	1.32E-02	1.24E-03	8.71E-09	3.68E-05	1.22E-05	1.29E-03	1.58E-03	8.60E-03	2.76E-03	4.48E-04	1.34E-02
2094	495111.06	3859601.99	0.36418	0.28132	0.4298	0.14094	1.36E-03	8.39E-03	2.74E-03	4.45E-04	1.29E-02	1.24E-03	8.50E-09	3.66E-05	1.21E-05	1.29E-03	1.57E-03	8.39E-03	2.74E-03	4.45E-04	1.32E-02
2095	495161.06	3859601.99	0.36427	0.28071	0.4241	0.14049	1.36E-03	8.37E-03	2.71E-03	4.44E-04	1.29E-02	1.24E-03	8.48E-09	3.61E-05	1.21E-05	1.28E-03	1.57E-03	8.37E-03	2.71E-03	4.44E-04	1.31E-02
2096	495211.06	3859601.99	0.36729	0.27786	0.418	0.13991	1.37E-03	8.29E-03	2.67E-03	4.42E-04	1.28E-02	1.25E-03	8.39E-09	3.55E-05	1.20E-05	1.29E-03	1.58E-03	8.29E-03	2.67E-03	4.42E-04	1.30E-02
2097	495261.06	3859601.99	0.36085	0.27604	0.4124	0.13954	1.35E-03	8.24E-03	2.63E-03	4.41E-04	1.27E-02	1.23E-03	8.34E-09	3.51E-05	1.20E-05	1.27E-03	1.56E-03	8.24E-03	2.63E-03	4.41E-04	1.29E-02
2098	495311.06	3859601.99	0.35666	0.27467	0.4074	0.13919	1.33E-03	8.19E-03	2.60E-03	4.39E-04	1.26E-02	1.21E-03	8.29E-09	3.46E-05	1.20E-05	1.26E-03	1.54E-03	8.19E-03	2.60E-03	4.39E-04	1.28E-02
2099	495361.06	3859601.99	0.35322	0.27123	0.4022	0.13867	1.32E-03	8.09E-03	2.57E-03	4.38E-04	1.24E-02	1.20E-03	8.19E-09	3.42E-05	1.19E-05	1.25E-03	1.52E-03	8.09E-03	2.57E-03	4.38E-04	1.26E-02
2100	495411.06	3859601.99	0.35203	0.26989	0.4001	0.13826	1.31E-03	8.05E-03	2.55E-03	4.37E-04	1.24E-02	1.20E-03	8.15E-09	3.40E-05	1.19E-05	1.24E-03	1.52E-03	8.05E-03	2.55E-03	4.37E-04	1.26E-02
2101	495461.06	3859601.99	0.3501	0.26296	0.3928	0.13737	1.31E-03	7.84E-03	2.51E-03	4.34E-04	1.21E-02	1.19E-03	7.94E-09	3.34E-05	1.18E-05	1.23E-03	1.51E-03	7.84E-03	2.51E-03	4.34E-04	1.23E-02
2102	495511.06	3859601.99	0.34543	0.2567	0.3889	0.13651	1.29E-03	7.66E-03	2.48E-03	4.31E-04	1.19E-02	1.17E-03	7.75E-09	3.31E-05	1.18E-05	1.22E-03	1.49E-03	7.66E-03	2.48E-03	4.31E-04	1.21E-02
2103	495561.06	3859601.99	0.34243	0.25661	0.388	0.13611	1.28E-03	7.66E-03	2.48E-03	4.30E-04	1.18E-02	1.16E-03	7.75E-09	3.30E-05	1.17E-05	1.21E-03	1.48E-03	7.66E-03	2.48E-03	4.30E-04	1.20E-02
2104	495611.06	3859601.99	0.33913	0.2493	0.3838	0.13518	1.27E-03	7.44E-03	2.45E-03	4.27E-04	1.16E-02	1.15E-03	7.53E-09	3.26E-05	1.16E-05	1.20E-03	1.46E-03	7.44E-03	2.45E-03	4.27E-04	1.18E-02
2105	495661.06	3859601.99	0.34065	0.24756	0.3792	0.13469	1.27E-03	7.39E-03	2.42E-03	4.25E-04	1.15E-02	1.16E-03	7.48E-09	3.22E-05	1.16E-05	1.20E-03	1.47E-03	7.39E-03	2.42E-03	4.25E-04	1.17E-02
2106	494311.06	3859651.99	0.42153	0.38107	0.4323	0.15071	1.57E-03	1.14E-02	2.76E-03	4.76E-04	1.62E-02	1.43E-03	1.15E-08	3.68E-05	1.30E-05	1.48E-03	1.82E-03	1.14E-02	2.76E-03	4.76E-04	1.64E-02
2107	494361.06	3859651.99	0.42422	0.36078	0.4314	0.15106	1.58E-03	1.08E-02	2.75E-03	4.77E-04	1.56E-02	1.44E-03	1.09E-08	3.67E-05	1.30E-05	1.49E-03	1.83E-03	1.08E-02	2.75E-03	4.77E-04	1.58E-02
2108	494411.06	3859651.99	0.41736	0.35512	0.4314	0.15056	1.56E-03	1.06E-02	2.75E-03	4.75E-04	1.54E-02	1.42E-03	1.07E-08	3.67E-05	1.30E-05	1.47E-03	1.80E-03	1.06E-02	2.75E-03	4.75E-04	1.56E-02
2109	494461.06	3859651.99	0.40848	0.35815	0.4288	0.14963	1.52E-03	1.07E-02	2.74E-03	4.72E-04	1.54E-02	1.39E-03	1.08E-08	3.65E-05	1.29E-05	1.44E-03	1.76E-03	1.07E-02	2.74E-03	4.72E-04	1.57E-02
2110	494511.06	3859651.99	0.40292	0.35129	0.4273	0.14919	1.50E-03	1.05E-02	2.73E-03	4.71E-04	1.52E-02	1.37E-03	1.06E-08	3.63E-05	1.28E-05	1.42E-03	1.74E-03	1.05E-02	2.73E-03	4.71E-04	1.54E-02
2111	494561.06	3859651.99	0.40116	0.34842	0.4265	0.14856	1.50E-03	1.04E-02	2.72E-03	4.69E-04	1.51E-02	1.36E-03	1.05E-08	3.63E-05	1.28E-05	1.41E-03	1.73E-03	1.04E-02	2.72E-03	4.69E-04	1.53E-02
2112	494611.06	3859651.99	0.39967	0.34375	0.4284	0.14794	1.49E-03	1.03E-02	2.73E-03	4.67E-04	1.49E-02	1.36E-03	1.04E-08	3.64E-05	1.27E-05	1.41E-03	1.72E-03	1.03E-02	2.73E-03	4.67E-04	1.52E-02
2113	494661.06	3859651.99	0.3934	0.32644	0.4291	0.14722	1.47E-03	9.74E-03	2.74E-03	4.65E-04	1.44E-02	1.34E-03	9.86E-09	3.65E-05	1.27E-05	1.38E-03	1.70E-03	9.74E-03	2.74E-03	4.65E-04	1.46E-02
2114	494711.06	3859651.99	0.38919	0.32374	0.4315	0.1467	1.45E-03	9.66E-03	2.75E-03	4.63E-04	1.43E-02	1.32E-03	9.78E-09	3.67E-05	1.26E-05	1.37E-03	1.68E-03	9.66E-03	2.75E-03	4.63E-04	1.46E-02
2115	494761.06	3859651.99	0.38482	0.32395	0.4337	0.14632	1.44E-03	9.66E-03	2.77E-03	4.62E-04	1.43E-02	1.31E-03	9.78E-09	3.69E-05	1.26E-05	1.36E-03	1.66E-03	9.66E-03	2.77E-03	4.62E-04	1.46E-02
2116	494811.06	3859651.99	0.38265	0.31669	0.4347	0.14566	1.43E-03	9.45E-03	2.77E-03	4.60E-04	1.41E-02	1.30E-03	9.56E-09	3.70E-05	1.25E-05	1.35E-03	1.65E-03	9.45E-03	2.77E-03	4.60E-04	1.43E-02
2117	494861.06	3859651.99	0.37836	0.31445	0.4329	0.14502	1.41E-03	9.38E-03	2.76E-03	4.58E-04	1.40E-02	1.28E-03	9.50E-09	3.68E-05	1.25E-05	1.33E-03	1.63E-03	9.38E-03	2.76E-03	4.58E-04	1.42E-02
2118	494911.06	3859651.99	0.3787	0.30929	0.4299	0.14431	1.41E-03	9.23E-03	2.74E-03	4.56E-04	1.38E-02	1.29E-03	9.34E-09	3.66E-05	1.24E-05	1.33E-03	1.63E-03	9.23E-03	2.74E-03	4.56E-04	1.41E-02
2119	494961.06	3859651.99	0.38064	0.30605	0.4271	0.14366	1.42E-03	9.13E-03	2.72E-03	4.54E-04	1.37E-02	1.29E-03	9.24E-09	3.63E-05	1.24E-05	1.34E-03	1.64E-03	9.13E-03	2.72E-03	4.54E-04	1.40E-02
2120	495011.06	3859651.99	0.38053	0.30199	0.4258	0.14299	1.42E-03	9.01E-03	2.72E-03	4.51E-04	1.36E-02	1.29E-03	9.12E-09	3.62E-05	1.23E-05	1.34E-03	1.64E-03	9.01E-03	2.72E-03	4.51E-04	1.38E-02
2121	495061.06	3859651.99	0.37329	0.3004	0.4251	0.14252	1.39E-03	8.96E-03	2.71E-03	4.50E-04	1.35E-02	1.27E-03	9.07E-09	3.62E-05	1.23E-05	1.32E-03	1.61E-03	8.96E-03	2.71E-03	4.50E-04	1.37E-02
2122	495111.06	3859651.99	0.36573	0.29601	0.4239	0.14193	1.36E-03	8.83E-03	2.70E-03	4.48E-04	1.33E-02	1.24E-03	8.94E-09	3.61E-05	1.22E-05	1.29E-03	1.58E-03	8.83E-03	2.70E-03	4.48E-04	1.36E-02
2123	495161.06	3859651.99	0.36368	0.29345	0.4213	0.14145	1.36E-03	8.75E-03	2.69E-03	4.47E-04	1.32E-02	1.23E-03	8.86E-09	3.58E-05	1.22E-05	1.28E-03	1.57E-03	8.75E-03	2.69E-03	4.47E-04	1.35E-02
2124	495211.06	3859651.99	0.36365	0.2919	0.419	0.14103	1.36E-03	8.71E-03	2.67E-03	4.45E-04	1.32E-02	1.23E-03	8.81E-09	3.56E-05	1.21E-05	1.28E-03	1.57E-03	8.71E-03	2.67E-03	4.45E-04	1.34E-02
2125	495261.06	3859651.99	0.3616	0.28904	0.4156	0.14052	1.35E-03	8.62E-03	2.65E-03	4.44E-04	1.31E-02	1.23E-03	8.73E-09	3.53E-05	1.21E-05	1.28E-03	1.56E-03	8.62E-03	2.65E-03	4.44E-04	1.33E-02
2126	495311.06	3859651.99	0.36232	0.28697	0.4143	0.14007	1.35E-03	8.56E-03	2.64E-03	4.42E-04	1.30E-02	1.23E-03	8.67E-09	3.52E-05	1.21E-05	1.28E-03	1.56E-03	8.56E-03	2.64E-03	4.42E-04	1.32E-02
2127	495361.06	3859651.99	0.36421	0.28505	0.4126	0.13963	1.36E-03	8.50E-03	2.63E-03	4.41E-04	1.29E-02	1.24E-03	8.61E-09	3.51E-05	1.20E-05	1.28E-03	1.57E-03	8.50E-03	2.63E-03	4.41E-04	1.31E-02
2128	495411.06	3859651.99	0.35797	0.2814	0.4092	0.13912	1.34E-03	8.40E-03	2.61E-03	4.39E-04	1.28E-02	1.22E-03	8.50E-09	3.48E-05	1.20E-05	1.26E-03	1.54E-03	8.40E-03	2.61E-03	4.39E-04	1.30E-02
2129	495461.06	3859651.99	0.35126	0.27347	0.4037	0.13839	1.31E-03	8.16E-03	2.58E-03	4.37E-04	1.25E-02	1.19E-03	8.26E-09	3.43E-05	1.19E-05	1.24E-03	1.52E-03	8.16E-03	2.58E-03	4.37E-04	1.27E-02
2130	495511.06	3859651.99	0.34605	0.26743	0.3984	0.13772	1.29E-03	7.98E-03	2.54E-03	4.35E-04	1.22E-02	1.17E-03	8.08E-09	3.39E-05	1.19E-05	1.22E-03	1.49E-03	7.98E-03	2.54E-03	4.35E-04	1.24E-02
2131	495561.06	3859651.99	0.34542	0.26555	0.3937	0.13726	1.29E-03	7.92E-03	2.51E-03	4.33E-04	1.22E-02	1.17E-03	8.02E-09	3.35E-05	1.18E-05	1.22E-03	1.49E-03	7.92E-03	2.51E-03	4.33E-04	1.24E-02

2132	495611.06	3859651.99	0.34478	0.26228	0.3895	0.1367	1.29E-03	7.82E-03	2.48E-03	4.32E-04	1.20E-02	1.17E-03	7.92E-09	3.31E-05	1.18E-05	1.22E-03	1.49E-03	7.82E-03	2.48E-03	4.32E-04	1.22E-02
2133	495661.06	3859651.99	0.34104	0.25806	0.3838	0.13609	1.27E-03	7.70E-03	2.45E-03	4.30E-04	1.18E-02	1.16E-03	7.79E-09	3.26E-05	1.17E-05	1.20E-03	1.47E-03	7.70E-03	2.45E-03	4.30E-04	1.20E-02
2134	494311.06	3859701.99	0.41121	0.37502	0.4074	0.15113	1.53E-03	1.12E-02	2.60E-03	4.77E-04	1.58E-02	1.40E-03	1.13E-08	3.46E-05	1.30E-05	1.44E-03	1.77E-03	1.12E-02	2.60E-03	4.77E-04	1.60E-02
2135	494361.06	3859701.99	0.4097	0.36874	0.4117	0.15058	1.53E-03	1.10E-02	2.63E-03	4.75E-04	1.56E-02	1.39E-03	1.11E-08	3.50E-05	1.30E-05	1.44E-03	1.77E-03	1.10E-02	2.63E-03	4.75E-04	1.59E-02
2136	494411.06	3859701.99	0.41089	0.36698	0.4158	0.15087	1.53E-03	1.09E-02	2.65E-03	4.76E-04	1.56E-02	1.39E-03	1.11E-08	3.54E-05	1.30E-05	1.44E-03	1.77E-03	1.09E-02	2.65E-03	4.76E-04	1.58E-02
2137	494461.06	3859701.99	0.41641	0.37359	0.4192	0.15044	1.55E-03	1.11E-02	2.67E-03	4.75E-04	1.58E-02	1.41E-03	1.13E-08	3.56E-05	1.30E-05	1.46E-03	1.80E-03	1.11E-02	2.67E-03	4.75E-04	1.61E-02
2138	494511.06	3859701.99	0.41516	0.36847	0.4209	0.15005	1.55E-03	1.10E-02	2.68E-03	4.74E-04	1.57E-02	1.41E-03	1.11E-08	3.58E-05	1.29E-05	1.46E-03	1.79E-03	1.10E-02	2.68E-03	4.74E-04	1.59E-02
2139	494561.06	3859701.99	0.40685	0.36583	0.4226	0.14947	1.52E-03	1.09E-02	2.70E-03	4.72E-04	1.56E-02	1.38E-03	1.10E-08	3.59E-05	1.29E-05	1.43E-03	1.76E-03	1.09E-02	2.70E-03	4.72E-04	1.58E-02
2140	494611.06	3859701.99	0.39878	0.36269	0.4212	0.14903	1.49E-03	1.08E-02	2.69E-03	4.71E-04	1.55E-02	1.35E-03	1.10E-08	3.58E-05	1.28E-05	1.40E-03	1.72E-03	1.08E-02	2.69E-03	4.71E-04	1.57E-02
2141	494661.06	3859701.99	0.39415	0.34316	0.417	0.1486	1.47E-03	1.02E-02	2.66E-03	4.69E-04	1.48E-02	1.34E-03	1.04E-08	3.55E-05	1.28E-05	1.39E-03	1.70E-03	1.02E-02	2.66E-03	4.69E-04	1.51E-02
2142	494711.06	3859701.99	0.39256	0.34363	0.4162	0.14829	1.46E-03	1.03E-02	2.65E-03	4.68E-04	1.48E-02	1.33E-03	1.04E-08	3.54E-05	1.28E-05	1.38E-03	1.69E-03	1.03E-02	2.65E-03	4.68E-04	1.51E-02
2143	494761.06	3859701.99	0.39036	0.33612	0.4166	0.14768	1.46E-03	1.00E-02	2.66E-03	4.66E-04	1.46E-02	1.33E-03	1.02E-08	3.54E-05	1.27E-05	1.37E-03	1.68E-03	1.00E-02	2.66E-03	4.66E-04	1.48E-02
2144	494811.06	3859701.99	0.38473	0.32839	0.4165	0.14715	1.44E-03	9.80E-03	2.66E-03	4.65E-04	1.44E-02	1.31E-03	9.92E-09	3.54E-05	1.27E-05	1.35E-03	1.66E-03	9.80E-03	2.66E-03	4.65E-04	1.46E-02
2145	494861.06	3859701.99	0.38027	0.33047	0.4185	0.147	1.42E-03	9.86E-03	2.67E-03	4.64E-04	1.44E-02	1.29E-03	9.98E-09	3.56E-05	1.27E-05	1.34E-03	1.64E-03	9.86E-03	2.67E-03	4.64E-04	1.46E-02
2146	494911.06	3859701.99	0.3775	0.32504	0.4187	0.1466	1.41E-03	9.70E-03	2.67E-03	4.63E-04	1.42E-02	1.28E-03	9.82E-09	3.56E-05	1.26E-05	1.33E-03	1.63E-03	9.70E-03	2.67E-03	4.63E-04	1.45E-02
2147	494961.06	3859701.99	0.37561	0.3196	0.4194	0.1462	1.40E-03	9.53E-03	2.68E-03	4.62E-04	1.41E-02	1.28E-03	9.65E-09	3.57E-05	1.26E-05	1.32E-03	1.62E-03	9.53E-03	2.68E-03	4.62E-04	1.43E-02
2148	495011.06	3859701.99	0.37271	0.31726	0.4205	0.14586	1.39E-03	9.46E-03	2.68E-03	4.61E-04	1.40E-02	1.27E-03	9.58E-09	3.58E-05	1.26E-05	1.31E-03	1.61E-03	9.46E-03	2.68E-03	4.61E-04	1.42E-02
2149	495061.06	3859701.99	0.37471	0.31274	0.419	0.14521	1.40E-03	9.33E-03	2.67E-03	4.58E-04	1.39E-02	1.27E-03	9.44E-09	3.56E-05	1.25E-05	1.32E-03	1.62E-03	9.33E-03	2.67E-03	4.58E-04	1.41E-02
2150	495111.06	3859701.99	0.37655	0.30862	0.4163	0.1445	1.41E-03	9.21E-03	2.66E-03	4.56E-04	1.37E-02	1.28E-03	9.32E-09	3.54E-05	1.24E-05	1.33E-03	1.62E-03	9.21E-03	2.66E-03	4.56E-04	1.39E-02
2151	495161.06	3859701.99	0.36981	0.30447	0.4135	0.1438	1.38E-03	9.08E-03	2.64E-03	4.54E-04	1.36E-02	1.26E-03	9.19E-09	3.52E-05	1.24E-05	1.30E-03	1.60E-03	9.08E-03	2.64E-03	4.54E-04	1.38E-02
2152	495211.06	3859701.99	0.36345	0.30013	0.4117	0.14308	1.36E-03	8.95E-03	2.63E-03	4.52E-04	1.34E-02	1.23E-03	9.06E-09	3.50E-05	1.23E-05	1.28E-03	1.57E-03	8.95E-03	2.63E-03	4.52E-04	1.36E-02
2153	495261.06	3859701.99	0.35832	0.3004	0.4115	0.14253	1.34E-03	8.96E-03	2.62E-03	4.50E-04	1.34E-02	1.22E-03	9.07E-09	3.50E-05	1.23E-05	1.26E-03	1.55E-03	8.96E-03	2.62E-03	4.50E-04	1.36E-02
2154	495311.06	3859701.99	0.35968	0.29625	0.4107	0.14182	1.34E-03	8.84E-03	2.62E-03	4.48E-04	1.32E-02	1.22E-03	8.95E-09	3.49E-05	1.22E-05	1.27E-03	1.55E-03	8.84E-03	2.62E-03	4.48E-04	1.35E-02
2155	495361.06	3859701.99	0.35873	0.29019	0.4095	0.14111	1.34E-03	8.66E-03	2.61E-03	4.46E-04	1.31E-02	1.22E-03	8.76E-09	3.48E-05	1.22E-05	1.26E-03	1.55E-03	8.66E-03	2.61E-03	4.46E-04	1.33E-02
2156	495411.06	3859701.99	0.3557	0.28393	0.4063	0.14025	1.33E-03	8.47E-03	2.59E-03	4.43E-04	1.28E-02	1.21E-03	8.57E-09	3.46E-05	1.21E-05	1.25E-03	1.53E-03	8.47E-03	2.59E-03	4.43E-04	1.30E-02
2157	495461.06	3859701.99	0.35793	0.28029	0.405	0.13946	1.34E-03	8.36E-03	2.58E-03	4.40E-04	1.27E-02	1.22E-03	8.46E-09	3.44E-05	1.20E-05	1.26E-03	1.54E-03	8.36E-03	2.58E-03	4.40E-04	1.29E-02
2158	495511.06	3859701.99	0.35435	0.27389	0.4029	0.13836	1.32E-03	8.17E-03	2.57E-03	4.37E-04	1.25E-02	1.20E-03	8.27E-09	3.43E-05	1.19E-05	1.25E-03	1.53E-03	8.17E-03	2.57E-03	4.37E-04	1.27E-02
2159	495561.06	3859701.99	0.351	0.27429	0.4014	0.13807	1.31E-03	8.18E-03	2.56E-03	4.36E-04	1.25E-02	1.19E-03	8.28E-09	3.41E-05	1.19E-05	1.24E-03	1.51E-03	8.18E-03	2.56E-03	4.36E-04	1.27E-02
2160	495611.06	3859701.99	0.34599	0.27119	0.3998	0.13741	1.29E-03	8.09E-03	2.55E-03	4.34E-04	1.24E-02	1.17E-03	8.19E-09	3.40E-05	1.18E-05	1.22E-03	1.49E-03	8.09E-03	2.55E-03	4.34E-04	1.26E-02
2161	495661.06	3859701.99	0.34088	0.26754	0.395	0.13672	1.27E-03	7.98E-03	2.52E-03	4.32E-04	1.22E-02	1.16E-03	8.08E-09	3.36E-05	1.18E-05	1.20E-03	1.47E-03	7.98E-03	2.52E-03	4.32E-04	1.24E-02
2162	494311.06	3859751.99	0.40052	0.39207	0.3866	0.15139	1.49E-03	1.17E-02	2.47E-03	4.78E-04	1.61E-02	1.36E-03	1.18E-08	3.29E-05	1.30E-05	1.41E-03	1.73E-03	1.17E-02	2.47E-03	4.78E-04	1.64E-02
2163	494361.06	3859751.99	0.40297	0.38675	0.3898	0.15087	1.50E-03	1.15E-02	2.49E-03	4.76E-04	1.60E-02	1.37E-03	1.17E-08	3.31E-05	1.30E-05	1.41E-03	1.74E-03	1.15E-02	2.49E-03	4.76E-04	1.62E-02
2164	494411.06	3859751.99	0.40463	0.3797	0.3928	0.15145	1.51E-03	1.13E-02	2.51E-03	4.78E-04	1.58E-02	1.37E-03	1.15E-08	3.34E-05	1.30E-05	1.42E-03	1.75E-03	1.13E-02	2.51E-03	4.78E-04	1.61E-02
2165	494461.06	3859751.99	0.40255	0.3825	0.3948	0.15107	1.50E-03	1.14E-02	2.52E-03	4.77E-04	1.59E-02	1.37E-03	1.16E-08	3.36E-05	1.30E-05	1.41E-03	1.74E-03	1.14E-02	2.52E-03	4.77E-04	1.61E-02
2166	494511.06	3859751.99	0.4028	0.3825	0.3974	0.15094	1.50E-03	1.14E-02	2.53E-03	4.77E-04	1.59E-02	1.37E-03	1.16E-08	3.38E-05	1.30E-05	1.41E-03	1.74E-03	1.14E-02	2.53E-03	4.77E-04	1.62E-02
2167	494561.06	3859751.99	0.40522	0.37774	0.4018	0.15059	1.51E-03	1.13E-02	2.56E-03	4.75E-04	1.58E-02	1.38E-03	1.14E-08	3.42E-05	1.30E-05	1.42E-03	1.75E-03	1.13E-02	2.56E-03	4.75E-04	1.61E-02
2168	494611.06	3859751.99	0.40979	0.37064	0.406	0.15048	1.53E-03	1.11E-02	2.59E-03	4.75E-04	1.57E-02	1.39E-03	1.12E-08	3.45E-05	1.30E-05	1.44E-03	1.77E-03	1.11E-02	2.59E-03	4.75E-04	1.59E-02
2169	494661.06	3859751.99	0.40116	0.35801	0.4087	0.15043	1.50E-03	1.07E-02	2.61E-03	4.75E-04	1.53E-02	1.36E-03	1.08E-08	3.48E-05	1.30E-05	1.41E-03	1.73E-03	1.07E-02	2.61E-03	4.75E-04	1.55E-02
2170	494711.06	3859751.99	0.3938	0.35867	0.4105	0.14994	1.47E-03	1.07E-02	2.62E-03	4.73E-04	1.53E-02	1.34E-03	1.08E-08	3.49E-05	1.29E-05	1.38E-03	1.70E-03	1.07E-02	2.62E-03	4.73E-04	1.55E-02
2171	494761.06	3859751.99	0.38968	0.35581	0.4115	0.14942	1.45E-03	1.06E-02	2.62E-03	4.72E-04	1.52E-02	1.32E-03	1.07E-08	3.50E-05	1.29E-05	1.37E-03	1.68E-03	1.06E-02	2.62E-03	4.72E-04	1.54E-02
2172	494811.06	3859751.99	0.38805	0.34985	0.4097	0.14875	1.45E-03	1.04E-02	2.61E-03	4.70E-04	1.50E-02	1.32E-03	1.06E-08	3.48E-05	1.28E-05	1.37E-03	1.67E-03	1.04E-02	2.61E-03	4.70E-04	1.52E-02
2173	494861.06	3859751.99	0.38555	0.34649	0.4077	0.14818	1.44E-03	1.03E-02	2.60E-03	4.68E-04	1.48E-02	1.31E-03	1.05E-08	3.47E-05	1.28E-05	1.36E-03	1.66E-03	1.03E-02	2.60E-03	4.68E-04	1.51E-02
2174	494911.06	3859751.99	0.38261	0.34305	0.4065	0.14769	1.43E-03	1.02E-02	2.59E-03	4.66E-04	1.47E-02	1.30E-03	1.04E-08	3.46E-05	1.27E-05	1.35E-03	1.65E-03	1.02E-02	2.59E-03	4.66E-04	1.49E-02
2175	494961.06	3859751.99	0.37712	0.33985	0.4078	0.14723	1.41E-03	1.01E-02	2.60E-03	4.65E-04	1.46E-02	1.28E-03	1.03E-08	3.47E-05	1.27E-05	1.33E-03	1.63E-03	1.01E-02	2.60E-03	4.65E-04	1.48E-02
2176	495011.06	3859751.99	0.3729	0.33539	0.4078	0.14673	1.39E-03	1.00E-02	2.60E-03	4.63E-04	1.45E-02	1.27E-03	1.01E-08	3.47E-05	1.26E-05	1.31E-03	1.61E-03	1.00E-02	2.60E-03	4.63E-04	1.47E-02
2177	495061.06	3859751.99	0.37167	0.33268	0.4082	0.14631	1.39E-03	9.92E-03	2.60E-03	4.62E-04	1.44E-02	1.26E-03	1.00E-08	3.47E-05	1.26E-05	1.31E-03	1.60E-03	9.92E-03	2.60E-03	4.62E-04	1.46E-02
2178	495111.06	3859751.99	0.36838	0.32774	0.4073	0.14579	1.37E-03	9.78E-03	2.60E-03	4.60E-04	1.42E-02	1.25E-03	9.90E-09	3.46E-05	1.26E-05	1.30E-03	1.59E-03	9.78E-03	2.60E-03	4.60E-04	1.44E-02
2179	495161.06	3859751.99	0.36794	0.32203	0.4063	0.14522	1.37E-03	9.61E-03	2.59E-03	4.59E-04	1.40E-02	1.25E-03	9.72E-09	3.46E-05	1.25E-05	1.30E-03	1.59E-03	9.61E-03	2.59E-03	4.59E-04	1.42E-02
2180	495211.06	3859751.99	0.36998	0.31604	0.4068	0.14461	1.38E-03	9.43E-03	2.59E-03	4.57E-04	1.39E-02	1.26E-03	9.54E-09	3.46E-05	1.25E-05	1.30E-03	1.60E-03	9.43E-03	2.59E-03	4.57E-04	1.41E-02
2181	495261.06	3859751.99	0.36962	0.31296	0.4059	0.14395	1.38E-03	9.34E-03	2.59E-03	4.55E-04	1.38E-02	1.25E-03	9.45E-09	3.45E-05	1.24E-05	1.30E-03	1.59E-03	9.34E-03	2.59E-03	4.55E-04	1.40E-02
2182	495311.06	3859751.99	0.35913	0.30818	0.4034	0.14329	1.34E-03	9.19E-03	2.57E-03	4.52E-04	1.36E-02	1.22E-03	9.31E-09	3.43E-05	1.23E-05	1.27E-03	1.55E-03	9.19E-03	2.57E-03	4.52E-04	1.38E-02
2183	495361.06	3859751.99	0.35445	0.30404	0.4009	0.14261	1.32E-03	9.07E-03	2.56E-03	4.50E-04	1.34E-02	1.20E-03	9.18E-09	3.41E-05	1.23E-05	1.25E-03	1.53E-03	9.07E-03	2.56E-03	4.50E-04	1.36E-02
2184	495411.06	3859751.99	0.35327	0.29967	0.3992	0.14192	1.32E-03	8.94E-03	2.55E-03	4.48E-04	1.33E-02	1.20E-03	9.05E-09	3.40E-05	1.22E-05	1.25E-03	1.52E-03	8.94E-03	2.55E-03	4.48E-04	1.35E-02
2185	495461.06	3859751.99	0.35383	0.29323	0.3993	0.14114	1.32E-03	8.75E-03	2.55E-03	4.46E-04	1.31E-02	1.20E-03	8.86E-09	3.40E-05	1.22E-05	1.25E-03	1.53E-03	8.75E-03	2.55E-03	4.46E-04	1.33E-02
2186	495511.06	3859751.99	0.35166	0.28718	0.399	0.14029	1.31E-03	8.57E-03	2.54E-03	4.43E-04	1.29E-02	1.19E-03	8.67E-09	3.39E-05	1.21E-05	1.24E-03	1.52E-03	8.57E-03	2.54E-03	4.43E-04	1.31E-02
2187	495561.06	3859751.99	0.35079	0.28377	0.3989	0.13951	1.31E-03	8.47E-03	2.54E-03	4.40E-04	1.28E-02	1.19E-03	8.57E-09	3.39E-05	1.20E-05	1.24E-03	1.51E-03	8.47E-03	2.54E-03	4.40E-04	1.30E-02
2188	495611.06	3859751.99	0.35286	0.28092	0.3963	0.13868	1.32E-03	8.38E-03	2.53E-03	4.38E-04	1.27E-02	1.20E-03	8.48E-09	3.37E-05	1.19E-05	1.24E-03	1.52E-03	8.38E-03	2.53E-03	4.38E-04	1.29E-02
2189	495661.06	3859751.99	0.35188	0.27897	0.3938	0.13794	1.31E-03	8.32E-03	2.51E-03	4.36E-04	1.26E-02	1.19E-03	8.42E-09	3.35E-05	1.19E-05	1.24E-03	1.52E-03	8.32E-03	2.51E-03	4.36E-04	1.28E-02
2190	494311.06	3859801.99	0.38634	0.40488	0.3611	0.1476	1.44E-03	1.21E-02	2.30E-03	4.66E-04	1.63E-02	1.31E-03	1.22E-08	3.07E-05	1.27E-05	1.36E-03	1.67E-03	1.21E-02	2.30E-03	4.66E-04	1.65E-02
2191	494361.06	3859801.99	0.38892	0.39725	0.3642	0.14886	1.45E-03	1.19E-02	2.32E-03	4.70E-04	1.61E-02	1.32E-03	1.20E-08	3.10E-05	1.28E-05	1.36E-03	1.68E-03	1.19E-02	2.32E-03	4.70E-04	1.63E-02
2192	494411.06	3859801.99	0.39186	0.38849	0.3674	0.14899	1.46E-03	1.16E-02	2.34E-03	4.70E-04	1.59E-02	1.33E-03	1.17E-08	3.12E-05	1.28E-05	1.37E-03	1.69E-03	1.16E-02	2.34E-03	4.70E-04	1.61E-02

2193	494461.06	3859801.99	0.39359	0.39145	0.3756	0.14815	1.47E-03	1.17E-02	2.40E-03	4.68E-04	1.60E-02	1.34E-03	1.18E-08	3.19E-05	1.28E-05	1.38E-03	1.70E-03	1.17E-02	2.40E-03	4.68E-04	1.62E-02
2194	494511.06	3859801.99	0.39367	0.39608	0.3784	0.14738	1.47E-03	1.18E-02	2.41E-03	4.65E-04	1.62E-02	1.34E-03	1.20E-08	3.22E-05	1.27E-05	1.38E-03	1.70E-03	1.18E-02	2.41E-03	4.65E-04	1.64E-02
2195	494561.06	3859801.99	0.39432	0.39173	0.3805	0.14723	1.47E-03	1.17E-02	2.43E-03	4.65E-04	1.61E-02	1.34E-03	1.18E-08	3.24E-05	1.27E-05	1.38E-03	1.70E-03	1.17E-02	2.43E-03	4.65E-04	1.63E-02
2196	494611.06	3859801.99	0.39472	0.3795	0.3813	0.14848	1.47E-03	1.13E-02	2.43E-03	4.69E-04	1.57E-02	1.34E-03	1.15E-08	3.24E-05	1.28E-05	1.39E-03	1.70E-03	1.13E-02	2.43E-03	4.69E-04	1.59E-02
2197	494661.06	3859801.99	0.39583	0.37424	0.3826	0.1492	1.48E-03	1.12E-02	2.44E-03	4.71E-04	1.56E-02	1.34E-03	1.13E-08	3.25E-05	1.28E-05	1.39E-03	1.71E-03	1.12E-02	2.44E-03	4.71E-04	1.58E-02
2198	494711.06	3859801.99	0.40035	0.36703	0.3857	0.14897	1.49E-03	1.09E-02	2.46E-03	4.70E-04	1.54E-02	1.36E-03	1.11E-08	3.28E-05	1.28E-05	1.40E-03	1.73E-03	1.09E-02	2.46E-03	4.70E-04	1.56E-02
2199	494761.06	3859801.99	0.39912	0.36994	0.3908	0.14856	1.49E-03	1.10E-02	2.49E-03	4.69E-04	1.55E-02	1.36E-03	1.12E-08	3.32E-05	1.28E-05	1.40E-03	1.72E-03	1.10E-02	2.49E-03	4.69E-04	1.57E-02
2200	494811.06	3859801.99	0.39069	0.36467	0.395	0.14874	1.46E-03	1.09E-02	2.52E-03	4.70E-04	1.53E-02	1.33E-03	1.10E-08	3.36E-05	1.28E-05	1.37E-03	1.69E-03	1.09E-02	2.52E-03	4.70E-04	1.56E-02
2201	494861.06	3859801.99	0.38532	0.36159	0.3994	0.14834	1.44E-03	1.08E-02	2.55E-03	4.68E-04	1.52E-02	1.31E-03	1.09E-08	3.40E-05	1.28E-05	1.35E-03	1.66E-03	1.08E-02	2.55E-03	4.68E-04	1.55E-02
2202	494911.06	3859801.99	0.3825	0.35555	0.4011	0.14789	1.43E-03	1.06E-02	2.56E-03	4.67E-04	1.51E-02	1.30E-03	1.07E-08	3.41E-05	1.27E-05	1.35E-03	1.65E-03	1.06E-02	2.56E-03	4.67E-04	1.53E-02
2203	494961.06	3859801.99	0.38046	0.35203	0.4016	0.1474	1.42E-03	1.05E-02	2.56E-03	4.65E-04	1.49E-02	1.29E-03	1.06E-08	3.42E-05	1.27E-05	1.34E-03	1.64E-03	1.05E-02	2.56E-03	4.65E-04	1.52E-02
2204	495011.06	3859801.99	0.37861	0.34817	0.399	0.14707	1.41E-03	1.04E-02	2.55E-03	4.64E-04	1.48E-02	1.29E-03	1.05E-08	3.39E-05	1.27E-05	1.33E-03	1.63E-03	1.04E-02	2.55E-03	4.64E-04	1.50E-02
2205	495061.06	3859801.99	0.37346	0.34605	0.3986	0.14674	1.39E-03	1.03E-02	2.54E-03	4.63E-04	1.47E-02	1.27E-03	1.05E-08	3.39E-05	1.26E-05	1.31E-03	1.61E-03	1.03E-02	2.54E-03	4.63E-04	1.49E-02
2206	495111.06	3859801.99	0.36865	0.34079	0.3977	0.14634	1.38E-03	1.02E-02	2.54E-03	4.62E-04	1.45E-02	1.25E-03	1.03E-08	3.38E-05	1.26E-05	1.30E-03	1.59E-03	1.02E-02	2.54E-03	4.62E-04	1.48E-02
2207	495161.06	3859801.99	0.36538	0.33566	0.3989	0.14586	1.36E-03	1.00E-02	2.54E-03	4.61E-04	1.44E-02	1.24E-03	1.01E-08	3.39E-05	1.26E-05	1.29E-03	1.58E-03	1.00E-02	2.54E-03	4.61E-04	1.46E-02
2208	495211.06	3859801.99	0.36461	0.33327	0.3984	0.14546	1.36E-03	9.94E-03	2.54E-03	4.59E-04	1.43E-02	1.24E-03	1.01E-08	3.39E-05	1.25E-05	1.28E-03	1.57E-03	9.94E-03	2.54E-03	4.59E-04	1.45E-02
2209	495261.06	3859801.99	0.36216	0.32784	0.3973	0.14493	1.35E-03	9.78E-03	2.53E-03	4.58E-04	1.41E-02	1.23E-03	9.90E-09	3.38E-05	1.25E-05	1.28E-03	1.56E-03	9.78E-03	2.53E-03	4.58E-04	1.43E-02
2210	495311.06	3859801.99	0.36261	0.32495	0.3956	0.14453	1.35E-03	9.69E-03	2.52E-03	4.56E-04	1.40E-02	1.23E-03	9.81E-09	3.36E-05	1.24E-05	1.28E-03	1.56E-03	9.69E-03	2.52E-03	4.56E-04	1.42E-02
2211	495361.06	3859801.99	0.36483	0.32009	0.3934	0.14391	1.36E-03	9.55E-03	2.51E-03	4.54E-04	1.39E-02	1.24E-03	9.67E-09	3.35E-05	1.24E-05	1.28E-03	1.57E-03	9.55E-03	2.51E-03	4.54E-04	1.41E-02
2212	495411.06	3859801.99	0.3588	0.31426	0.3934	0.14315	1.34E-03	9.38E-03	2.51E-03	4.52E-04	1.37E-02	1.22E-03	9.49E-09	3.35E-05	1.23E-05	1.26E-03	1.55E-03	9.38E-03	2.51E-03	4.52E-04	1.39E-02
2213	495461.06	3859801.99	0.34885	0.30994	0.3927	0.14245	1.30E-03	9.25E-03	2.51E-03	4.50E-04	1.35E-02	1.18E-03	9.36E-09	3.34E-05	1.23E-05	1.23E-03	1.51E-03	9.25E-03	2.51E-03	4.50E-04	1.37E-02
2214	495511.06	3859801.99	0.34554	0.3018	0.3899	0.1416	1.29E-03	9.00E-03	2.49E-03	4.47E-04	1.32E-02	1.17E-03	9.11E-09	3.32E-05	1.22E-05	1.22E-03	1.49E-03	9.00E-03	2.49E-03	4.47E-04	1.34E-02
2215	495561.06	3859801.99	0.34747	0.29783	0.3877	0.14095	1.30E-03	8.89E-03	2.47E-03	4.45E-04	1.31E-02	1.18E-03	8.99E-09	3.30E-05	1.21E-05	1.22E-03	1.50E-03	8.89E-03	2.47E-03	4.45E-04	1.33E-02
2216	495611.06	3859801.99	0.34797	0.29697	0.3881	0.14027	1.30E-03	8.86E-03	2.48E-03	4.43E-04	1.31E-02	1.18E-03	8.97E-09	3.30E-05	1.21E-05	1.23E-03	1.50E-03	8.86E-03	2.48E-03	4.43E-04	1.33E-02
2217	495661.06	3859801.99	0.34533	0.29021	0.3883	0.13928	1.29E-03	8.66E-03	2.48E-03	4.40E-04	1.29E-02	1.17E-03	8.76E-09	3.30E-05	1.20E-05	1.22E-03	1.49E-03	8.66E-03	2.48E-03	4.40E-04	1.31E-02
2218	494311.06	3859851.99	0.39	0.41193	0.3307	0.14437	1.46E-03	1.23E-02	2.11E-03	4.56E-04	1.63E-02	1.32E-03	1.24E-08	2.81E-05	1.24E-05	1.36E-03	1.68E-03	1.23E-02	2.11E-03	4.56E-04	1.65E-02
2219	494361.06	3859851.99	0.38226	0.40604	0.3336	0.14472	1.43E-03	1.21E-02	2.13E-03	4.57E-04	1.61E-02	1.30E-03	1.23E-08	2.84E-05	1.25E-05	1.34E-03	1.65E-03	1.21E-02	2.13E-03	4.57E-04	1.63E-02
2220	494411.06	3859851.99	0.37952	0.39924	0.3406	0.14514	1.42E-03	1.19E-02	2.17E-03	4.58E-04	1.60E-02	1.29E-03	1.21E-08	2.90E-05	1.25E-05	1.33E-03	1.64E-03	1.19E-02	2.17E-03	4.58E-04	1.62E-02
2221	494461.06	3859851.99	0.37989	0.39361	0.3468	0.14506	1.42E-03	1.17E-02	2.21E-03	4.58E-04	1.58E-02	1.29E-03	1.19E-08	2.95E-05	1.25E-05	1.33E-03	1.64E-03	1.17E-02	2.21E-03	4.58E-04	1.61E-02
2222	494511.06	3859851.99	0.38151	0.39451	0.3533	0.14407	1.42E-03	1.18E-02	2.25E-03	4.55E-04	1.59E-02	1.30E-03	1.19E-08	3.00E-05	1.24E-05	1.34E-03	1.65E-03	1.18E-02	2.25E-03	4.55E-04	1.61E-02
2223	494561.06	3859851.99	0.38299	0.39718	0.357	0.14297	1.43E-03	1.18E-02	2.28E-03	4.51E-04	1.60E-02	1.30E-03	1.20E-08	3.04E-05	1.23E-05	1.34E-03	1.65E-03	1.18E-02	2.28E-03	4.51E-04	1.62E-02
2224	494611.06	3859851.99	0.38705	0.3845	0.3636	0.14407	1.44E-03	1.15E-02	2.32E-03	4.55E-04	1.57E-02	1.31E-03	1.16E-08	3.09E-05	1.24E-05	1.36E-03	1.67E-03	1.15E-02	2.32E-03	4.55E-04	1.59E-02
2225	494661.06	3859851.99	0.38735	0.38402	0.3673	0.14349	1.45E-03	1.15E-02	2.34E-03	4.53E-04	1.57E-02	1.32E-03	1.16E-08	3.12E-05	1.24E-05	1.36E-03	1.67E-03	1.15E-02	2.34E-03	4.53E-04	1.59E-02
2226	494711.06	3859851.99	0.38819	0.3756	0.3674	0.14358	1.45E-03	1.12E-02	2.34E-03	4.53E-04	1.55E-02	1.32E-03	1.13E-08	3.12E-05	1.24E-05	1.36E-03	1.68E-03	1.12E-02	2.34E-03	4.53E-04	1.57E-02
2227	494761.06	3859851.99	0.38738	0.37764	0.3688	0.14314	1.45E-03	1.13E-02	2.35E-03	4.52E-04	1.55E-02	1.32E-03	1.14E-08	3.14E-05	1.23E-05	1.36E-03	1.67E-03	1.13E-02	2.35E-03	4.52E-04	1.57E-02
2228	494811.06	3859851.99	0.38975	0.37328	0.3701	0.14386	1.45E-03	1.11E-02	2.36E-03	4.54E-04	1.54E-02	1.32E-03	1.13E-08	3.15E-05	1.24E-05	1.37E-03	1.68E-03	1.11E-02	2.36E-03	4.54E-04	1.56E-02
2229	494861.06	3859851.99	0.39376	0.37173	0.3716	0.1435	1.47E-03	1.11E-02	2.37E-03	4.53E-04	1.54E-02	1.34E-03	1.12E-08	3.16E-05	1.24E-05	1.38E-03	1.70E-03	1.11E-02	2.37E-03	4.53E-04	1.56E-02
2230	494911.06	3859851.99	0.38787	0.36618	0.3758	0.14452	1.45E-03	1.09E-02	2.40E-03	4.56E-04	1.52E-02	1.32E-03	1.11E-08	3.20E-05	1.24E-05	1.36E-03	1.67E-03	1.09E-02	2.40E-03	4.56E-04	1.55E-02
2231	494961.06	3859851.99	0.38101	0.36256	0.3804	0.14437	1.42E-03	1.08E-02	2.43E-03	4.56E-04	1.51E-02	1.29E-03	1.09E-08	3.24E-05	1.24E-05	1.34E-03	1.64E-03	1.08E-02	2.43E-03	4.56E-04	1.53E-02
2232	495011.06	3859851.99	0.37761	0.3588	0.3847	0.14434	1.41E-03	1.07E-02	2.45E-03	4.56E-04	1.50E-02	1.28E-03	1.08E-08	3.27E-05	1.24E-05	1.33E-03	1.63E-03	1.07E-02	2.45E-03	4.56E-04	1.52E-02
2233	495061.06	3859851.99	0.37492	0.3562	0.389	0.14395	1.40E-03	1.06E-02	2.48E-03	4.55E-04	1.50E-02	1.27E-03	1.08E-08	3.31E-05	1.24E-05	1.32E-03	1.62E-03	1.06E-02	2.48E-03	4.55E-04	1.52E-02
2234	495111.06	3859851.99	0.37226	0.35053	0.3918	0.14389	1.39E-03	1.05E-02	2.50E-03	4.54E-04	1.48E-02	1.26E-03	1.06E-08	3.33E-05	1.24E-05	1.31E-03	1.61E-03	1.05E-02	2.50E-03	4.54E-04	1.50E-02
2235	495161.06	3859851.99	0.36943	0.34645	0.3924	0.14359	1.38E-03	1.03E-02	2.50E-03	4.53E-04	1.47E-02	1.25E-03	1.05E-08	3.34E-05	1.24E-05	1.30E-03	1.59E-03	1.03E-02	2.50E-03	4.53E-04	1.49E-02
2236	495211.06	3859851.99	0.36412	0.34303	0.3894	0.14312	1.36E-03	1.02E-02	2.48E-03	4.52E-04	1.45E-02	1.24E-03	1.04E-08	3.31E-05	1.23E-05	1.28E-03	1.57E-03	1.02E-02	2.48E-03	4.52E-04	1.47E-02
2237	495261.06	3859851.99	0.36033	0.33928	0.3896	0.14253	1.34E-03	1.01E-02	2.48E-03	4.50E-04	1.44E-02	1.22E-03	1.02E-08	3.31E-05	1.23E-05	1.27E-03	1.55E-03	1.01E-02	2.48E-03	4.50E-04	1.46E-02
2238	495311.06	3859851.99	0.35855	0.33687	0.3896	0.14197	1.34E-03	1.00E-02	2.48E-03	4.48E-04	1.43E-02	1.22E-03	1.02E-08	3.31E-05	1.22E-05	1.26E-03	1.55E-03	1.00E-02	2.48E-03	4.48E-04	1.45E-02
2239	495361.06	3859851.99	0.35692	0.3338	0.3896	0.1414	1.33E-03	9.96E-03	2.49E-03	4.46E-04	1.42E-02	1.21E-03	1.01E-08	3.31E-05	1.22E-05	1.26E-03	1.54E-03	9.96E-03	2.49E-03	4.46E-04	1.44E-02
2240	495411.06	3859851.99	0.35666	0.32858	0.3887	0.1408	1.33E-03	9.80E-03	2.48E-03	4.45E-04	1.41E-02	1.21E-03	9.92E-09	3.31E-05	1.21E-05	1.26E-03	1.54E-03	9.80E-03	2.48E-03	4.45E-04	1.43E-02
2241	495461.06	3859851.99	0.35723	0.32321	0.3877	0.1402	1.33E-03	9.64E-03	2.47E-03	4.43E-04	1.39E-02	1.21E-03	9.76E-09	3.30E-05	1.21E-05	1.26E-03	1.54E-03	9.64E-03	2.47E-03	4.43E-04	1.41E-02
2242	495511.06	3859851.99	0.35623	0.31634	0.3846	0.13957	1.33E-03	9.44E-03	2.45E-03	4.41E-04	1.37E-02	1.21E-03	9.55E-09	3.27E-05	1.20E-05	1.25E-03	1.54E-03	9.44E-03	2.45E-03	4.41E-04	1.39E-02
2243	495561.06	3859851.99	0.34779	0.3132	0.3822	0.13902	1.30E-03	9.34E-03	2.44E-03	4.39E-04	1.35E-02	1.18E-03	9.46E-09	3.25E-05	1.20E-05	1.23E-03	1.50E-03	9.34E-03	2.44E-03	4.39E-04	1.37E-02
2244	495611.06	3859851.99	0.34004	0.30961	0.381	0.13848	1.27E-03	9.24E-03	2.43E-03	4.37E-04	1.34E-02	1.15E-03	9.35E-09	3.24E-05	1.19E-05	1.20E-03	1.47E-03	9.24E-03	2.43E-03	4.37E-04	1.36E-02
2245	495661.06	3859851.99	0.34028	0.30265	0.3804	0.13784	1.27E-03	9.03E-03	2.43E-03	4.35E-04	1.32E-02	1.16E-03	9.14E-09	3.24E-05	1.19E-05	1.20E-03	1.47E-03	9.03E-03	2.43E-03	4.35E-04	1.34E-02
2246	494311.06	3859901.99	0.37986	0.42413	0.2964	0.14029	1.42E-03	1.27E-02	1.89E-03	4.43E-04	1.64E-02	1.29E-03	1.28E-08	2.52E-05	1.21E-05	1.33E-03	1.64E-03	1.27E-02	1.89E-03	4.43E-04	1.66E-02
2247	494361.06	3859901.99	0.38367	0.41246	0.3096	0.14204	1.43E-03	1.23E-02	1.98E-03	4.48E-04	1.62E-02	1.30E-03	1.25E-08	2.63E-05	1.22E-05	1.34E-03	1.66E-03	1.23E-02	1.98E-03	4.48E-04	1.64E-02
2248	494411.06	3859901.99	0.38427	0.41119	0.3199	0.14103	1.43E-03	1.23E-02	2.04E-03	4.45E-04	1.62E-02	1.30E-03	1.24E-08	2.72E-05	1.21E-05	1.34E-03	1.66E-03	1.23E-02	2.04E-03	4.45E-04	1.64E-02
2249	494461.06	3859901.99	0.37599	0.40672	0.3221	0.14089	1.40E-03	1.21E-02	2.05E-03	4.45E-04	1.60E-02	1.28E-03	1.23E-08	2.74E-05	1.21E-05	1.32E-03	1.62E-03	1.21E-02	2.05E-03	4.45E-04	1.63E-02
2250	494511.06	3859901.99	0.3723	0.40535	0.3205	0.1401	1.39E-03	1.21E-02	2.04E-03	4.42E-04	1.60E-02	1.26E-03	1.22E-08	2.73E-05	1.21E-05	1.30E-03	1.61E-03	1.21E-02	2.04E-03	4.42E-04	1.62E-02
2251	494561.06	3859901.99	0.36814	0.41076	0.3201	0.13801	1.37E-03	1.23E-02	2.04E-03	4.36E-04	1.61E-02	1.25E-03	1.24E-08	2.72E-05	1.19E-05	1.29E-03	1.59E-03	1.23E-02	2.04E-03	4.36E-04	1.63E-02
2252	494611.06	3859901.99	0.37224	0.39605	0.3325	0.13966	1.39E-03	1.18E-02	2.12E-03	4.41E-04	1.58E-02	1.26E-03	1.20E-08	2.83E-05	1.20E-05	1.30E-03	1.61E-03	1.18E-02	2.12E-03	4.41E-04	1.60E-02
2253	494661.06	3859901.99	0.37326	0.39916	0.339	0.13799	1.39E-03	1.19E-02	2.16E-03	4.36E-04	1.59E-02	1.27E-03	1.21E-08	2.88E-05	1.19E-05	1.31E-03	1.61E-03	1.19E-02	2.16E-03	4.36E-04	1.61E-02

2254	494711.06	3859901.99	0.37821	0.38461	0.3456	0.13984	1.41E-03	1.15E-02	2.20E-03	4.42E-04	1.55E-02	1.28E-03	1.16E-08	2.94E-05	1.20E-05	1.33E-03	1.63E-03	1.15E-02	2.20E-03	4.42E-04	1.58E-02
2255	494761.06	3859901.99	0.37859	0.38409	0.3514	0.13883	1.41E-03	1.15E-02	2.24E-03	4.38E-04	1.56E-02	1.29E-03	1.16E-08	2.99E-05	1.20E-05	1.33E-03	1.63E-03	1.15E-02	2.24E-03	4.38E-04	1.58E-02
2256	494811.06	3859901.99	0.37819	0.38371	0.3569	0.13788	1.41E-03	1.14E-02	2.28E-03	4.35E-04	1.56E-02	1.28E-03	1.16E-08	3.04E-05	1.19E-05	1.33E-03	1.63E-03	1.14E-02	2.28E-03	4.35E-04	1.58E-02
2257	494861.06	3859901.99	0.37776	0.38145	0.3572	0.13764	1.41E-03	1.14E-02	2.28E-03	4.35E-04	1.55E-02	1.28E-03	1.15E-08	3.04E-05	1.19E-05	1.32E-03	1.63E-03	1.14E-02	2.28E-03	4.35E-04	1.57E-02
2258	494911.06	3859901.99	0.37915	0.37626	0.3569	0.13885	1.41E-03	1.12E-02	2.28E-03	4.38E-04	1.54E-02	1.29E-03	1.14E-08	3.04E-05	1.20E-05	1.33E-03	1.64E-03	1.12E-02	2.28E-03	4.38E-04	1.56E-02
2259	494961.06	3859901.99	0.38323	0.3736	0.3582	0.13842	1.43E-03	1.11E-02	2.28E-03	4.37E-04	1.53E-02	1.30E-03	1.13E-08	3.05E-05	1.19E-05	1.34E-03	1.65E-03	1.11E-02	2.28E-03	4.37E-04	1.55E-02
2260	495011.06	3859901.99	0.38361	0.36839	0.3594	0.13815	1.43E-03	1.10E-02	2.29E-03	4.36E-04	1.52E-02	1.30E-03	1.11E-08	3.06E-05	1.19E-05	1.34E-03	1.66E-03	1.10E-02	2.29E-03	4.36E-04	1.54E-02
2261	495061.06	3859901.99	0.37708	0.36413	0.3616	0.13795	1.41E-03	1.09E-02	2.31E-03	4.36E-04	1.50E-02	1.28E-03	1.10E-08	3.07E-05	1.19E-05	1.32E-03	1.63E-03	1.09E-02	2.31E-03	4.36E-04	1.52E-02
2262	495111.06	3859901.99	0.37212	0.35806	0.3657	0.13848	1.39E-03	1.07E-02	2.33E-03	4.37E-04	1.48E-02	1.26E-03	1.08E-08	3.11E-05	1.19E-05	1.31E-03	1.61E-03	1.07E-02	2.33E-03	4.37E-04	1.51E-02
2263	495161.06	3859901.99	0.36926	0.35197	0.3699	0.13834	1.38E-03	1.05E-02	2.36E-03	4.37E-04	1.47E-02	1.25E-03	1.06E-08	3.15E-05	1.19E-05	1.30E-03	1.59E-03	1.05E-02	2.36E-03	4.37E-04	1.49E-02
2264	495211.06	3859901.99	0.36704	0.34898	0.3744	0.13825	1.37E-03	1.04E-02	2.39E-03	4.37E-04	1.46E-02	1.25E-03	1.05E-08	3.18E-05	1.19E-05	1.29E-03	1.58E-03	1.04E-02	2.39E-03	4.37E-04	1.48E-02
2265	495261.06	3859901.99	0.36402	0.34245	0.3784	0.13772	1.36E-03	1.02E-02	2.41E-03	4.35E-04	1.44E-02	1.24E-03	1.03E-08	3.22E-05	1.19E-05	1.28E-03	1.57E-03	1.02E-02	2.41E-03	4.35E-04	1.46E-02
2266	495311.06	3859901.99	0.36015	0.3407	0.3815	0.13705	1.34E-03	1.02E-02	2.43E-03	4.33E-04	1.44E-02	1.22E-03	1.03E-08	3.24E-05	1.18E-05	1.27E-03	1.55E-03	1.02E-02	2.43E-03	4.33E-04	1.46E-02
2267	495361.06	3859901.99	0.35624	0.33739	0.3835	0.13638	1.33E-03	1.01E-02	2.45E-03	4.31E-04	1.43E-02	1.21E-03	1.02E-08	3.26E-05	1.17E-05	1.25E-03	1.54E-03	1.01E-02	2.45E-03	4.31E-04	1.45E-02
2268	495411.06	3859901.99	0.35378	0.33302	0.3796	0.13607	1.32E-03	9.94E-03	2.42E-03	4.30E-04	1.41E-02	1.20E-03	1.01E-08	3.23E-05	1.17E-05	1.25E-03	1.53E-03	9.94E-03	2.42E-03	4.30E-04	1.43E-02
2269	495461.06	3859901.99	0.35209	0.32949	0.3808	0.13581	1.31E-03	9.83E-03	2.43E-03	4.29E-04	1.40E-02	1.20E-03	9.95E-09	3.24E-05	1.17E-05	1.24E-03	1.52E-03	9.83E-03	2.43E-03	4.29E-04	1.42E-02
2270	495511.06	3859901.99	0.3505	0.32777	0.3809	0.13535	1.31E-03	9.78E-03	2.43E-03	4.27E-04	1.39E-02	1.19E-03	9.90E-09	3.24E-05	1.17E-05	1.23E-03	1.51E-03	9.78E-03	2.43E-03	4.27E-04	1.41E-02
2271	495561.06	3859901.99	0.35098	0.32537	0.3803	0.13489	1.31E-03	9.71E-03	2.43E-03	4.26E-04	1.39E-02	1.19E-03	9.83E-09	3.23E-05	1.16E-05	1.24E-03	1.51E-03	9.71E-03	2.43E-03	4.26E-04	1.41E-02
2272	495611.06	3859901.99	0.35185	0.32019	0.3795	0.13463	1.31E-03	9.55E-03	2.42E-03	4.25E-04	1.37E-02	1.19E-03	9.67E-09	3.23E-05	1.16E-05	1.24E-03	1.52E-03	9.55E-03	2.42E-03	4.25E-04	1.39E-02
2273	495661.06	3859901.99	0.347	0.31411	0.3785	0.13427	1.29E-03	9.37E-03	2.41E-03	4.24E-04	1.35E-02	1.18E-03	9.49E-09	3.22E-05	1.16E-05	1.22E-03	1.50E-03	9.37E-03	2.41E-03	4.24E-04	1.37E-02
2274	494311.06	3859951.99	0.35909	0.43853	0.269	0.13827	1.34E-03	1.31E-02	1.72E-03	4.37E-04	1.66E-02	1.22E-03	1.32E-08	2.29E-05	1.19E-05	1.25E-03	1.55E-03	1.31E-02	1.72E-03	4.37E-04	1.68E-02
2275	494361.06	3859951.99	0.35942	0.43139	0.2686	0.13845	1.34E-03	1.29E-02	1.71E-03	4.37E-04	1.64E-02	1.22E-03	1.30E-08	2.28E-05	1.19E-05	1.26E-03	1.55E-03	1.29E-02	1.71E-03	4.37E-04	1.66E-02
2276	494411.06	3859951.99	0.37067	0.42559	0.2715	0.13846	1.38E-03	1.27E-02	1.73E-03	4.37E-04	1.62E-02	1.26E-03	1.29E-08	2.31E-05	1.19E-05	1.29E-03	1.60E-03	1.27E-02	1.73E-03	4.37E-04	1.65E-02
2277	494461.06	3859951.99	0.37375	0.42072	0.2839	0.13823	1.39E-03	1.26E-02	1.81E-03	4.36E-04	1.62E-02	1.27E-03	1.27E-08	2.41E-05	1.19E-05	1.30E-03	1.61E-03	1.26E-02	1.81E-03	4.36E-04	1.64E-02
2278	494511.06	3859951.99	0.37467	0.41943	0.2981	0.13757	1.40E-03	1.25E-02	1.90E-03	4.34E-04	1.62E-02	1.27E-03	1.27E-08	2.53E-05	1.18E-05	1.31E-03	1.62E-03	1.25E-02	1.90E-03	4.34E-04	1.65E-02
2279	494561.06	3859951.99	0.36469	0.42468	0.3025	0.13678	1.36E-03	1.27E-02	1.93E-03	4.32E-04	1.64E-02	1.24E-03	1.28E-08	2.57E-05	1.18E-05	1.28E-03	1.57E-03	1.27E-02	1.93E-03	4.32E-04	1.66E-02
2280	494611.06	3859951.99	0.36371	0.41257	0.3104	0.13685	1.36E-03	1.23E-02	1.98E-03	4.32E-04	1.61E-02	1.23E-03	1.25E-08	2.64E-05	1.18E-05	1.27E-03	1.57E-03	1.23E-02	1.98E-03	4.32E-04	1.63E-02
2281	494661.06	3859951.99	0.3522	0.41358	0.3081	0.13617	1.31E-03	1.23E-02	1.97E-03	4.30E-04	1.60E-02	1.20E-03	1.25E-08	2.62E-05	1.17E-05	1.23E-03	1.52E-03	1.23E-02	1.97E-03	4.30E-04	1.63E-02
2282	494711.06	3859951.99	0.36164	0.40233	0.3094	0.13616	1.35E-03	1.20E-02	1.97E-03	4.30E-04	1.58E-02	1.23E-03	1.21E-08	2.63E-05	1.17E-05	1.27E-03	1.56E-03	1.20E-02	1.97E-03	4.30E-04	1.60E-02
2283	494761.06	3859951.99	0.36348	0.39943	0.3139	0.13551	1.36E-03	1.19E-02	2.00E-03	4.28E-04	1.57E-02	1.23E-03	1.21E-08	2.67E-05	1.17E-05	1.27E-03	1.57E-03	1.19E-02	2.00E-03	4.28E-04	1.59E-02
2284	494811.06	3859951.99	0.3669	0.39548	0.3207	0.1349	1.37E-03	1.18E-02	2.05E-03	4.26E-04	1.56E-02	1.25E-03	1.19E-08	2.73E-05	1.16E-05	1.28E-03	1.58E-03	1.18E-02	2.05E-03	4.26E-04	1.59E-02
2285	494861.06	3859951.99	0.36624	0.39401	0.3249	0.13409	1.37E-03	1.18E-02	2.07E-03	4.23E-04	1.56E-02	1.24E-03	1.19E-08	2.76E-05	1.15E-05	1.28E-03	1.58E-03	1.18E-02	2.07E-03	4.23E-04	1.58E-02
2286	494911.06	3859951.99	0.36791	0.38676	0.3366	0.13408	1.37E-03	1.15E-02	2.15E-03	4.23E-04	1.55E-02	1.25E-03	1.17E-08	2.86E-05	1.15E-05	1.29E-03	1.59E-03	1.15E-02	2.15E-03	4.23E-04	1.57E-02
2287	494961.06	3859951.99	0.36917	0.38037	0.3457	0.13509	1.38E-03	1.13E-02	2.21E-03	4.27E-04	1.54E-02	1.25E-03	1.15E-08	2.94E-05	1.16E-05	1.29E-03	1.59E-03	1.13E-02	2.21E-03	4.27E-04	1.56E-02
2288	495011.06	3859951.99	0.37041	0.37417	0.3466	0.13648	1.38E-03	1.12E-02	2.21E-03	4.31E-04	1.52E-02	1.26E-03	1.13E-08	2.95E-05	1.18E-05	1.30E-03	1.60E-03	1.12E-02	2.21E-03	4.31E-04	1.54E-02
2289	495061.06	3859951.99	0.37302	0.36936	0.3465	0.13714	1.39E-03	1.10E-02	2.21E-03	4.33E-04	1.51E-02	1.27E-03	1.12E-08	2.95E-05	1.18E-05	1.31E-03	1.61E-03	1.10E-02	2.21E-03	4.33E-04	1.53E-02
2290	495111.06	3859951.99	0.37787	0.36237	0.3463	0.13713	1.41E-03	1.08E-02	2.21E-03	4.33E-04	1.49E-02	1.28E-03	1.09E-08	2.94E-05	1.18E-05	1.32E-03	1.63E-03	1.08E-02	2.21E-03	4.33E-04	1.51E-02
2291	495161.06	3859951.99	0.37199	0.3578	0.3474	0.13649	1.39E-03	1.07E-02	2.22E-03	4.31E-04	1.47E-02	1.26E-03	1.08E-08	2.95E-05	1.18E-05	1.30E-03	1.61E-03	1.07E-02	2.22E-03	4.31E-04	1.49E-02
2292	495211.06	3859951.99	0.36719	0.35328	0.3486	0.13587	1.37E-03	1.05E-02	2.22E-03	4.29E-04	1.46E-02	1.25E-03	1.07E-08	2.97E-05	1.17E-05	1.29E-03	1.58E-03	1.05E-02	2.22E-03	4.29E-04	1.48E-02
2293	495261.06	3859951.99	0.36434	0.35016	0.3516	0.13535	1.36E-03	1.04E-02	2.24E-03	4.27E-04	1.45E-02	1.24E-03	1.06E-08	2.99E-05	1.17E-05	1.28E-03	1.57E-03	1.04E-02	2.24E-03	4.27E-04	1.47E-02
2294	495311.06	3859951.99	0.36137	0.34917	0.356	0.13494	1.35E-03	1.04E-02	2.27E-03	4.26E-04	1.45E-02	1.23E-03	1.05E-08	3.03E-05	1.16E-05	1.27E-03	1.56E-03	1.04E-02	2.27E-03	4.26E-04	1.47E-02
2295	495361.06	3859951.99	0.35877	0.34668	0.3602	0.13443	1.34E-03	1.03E-02	2.30E-03	4.24E-04	1.44E-02	1.22E-03	1.05E-08	3.06E-05	1.16E-05	1.26E-03	1.55E-03	1.03E-02	2.30E-03	4.24E-04	1.46E-02
2296	495411.06	3859951.99	0.35635	0.34238	0.3642	0.13384	1.33E-03	1.02E-02	2.32E-03	4.23E-04	1.43E-02	1.21E-03	1.03E-08	3.10E-05	1.15E-05	1.25E-03	1.54E-03	1.02E-02	2.32E-03	4.23E-04	1.45E-02
2297	495461.06	3859951.99	0.35195	0.33855	0.3683	0.13333	1.31E-03	1.01E-02	2.35E-03	4.21E-04	1.42E-02	1.19E-03	1.02E-08	3.13E-05	1.15E-05	1.24E-03	1.52E-03	1.01E-02	2.35E-03	4.21E-04	1.44E-02
2298	495511.06	3859951.99	0.34805	0.33405	0.372	0.13288	1.30E-03	9.97E-03	2.37E-03	4.20E-04	1.41E-02	1.18E-03	1.01E-08	3.16E-05	1.14E-05	1.22E-03	1.50E-03	9.97E-03	2.37E-03	4.20E-04	1.43E-02
2299	495561.06	3859951.99	0.34682	0.33355	0.3725	0.13237	1.29E-03	9.95E-03	2.38E-03	4.18E-04	1.40E-02	1.18E-03	1.01E-08	3.17E-05	1.14E-05	1.22E-03	1.50E-03	9.95E-03	2.38E-03	4.18E-04	1.42E-02
2300	495611.06	3859951.99	0.34561	0.32839	0.3711	0.13192	1.29E-03	9.80E-03	2.37E-03	4.17E-04	1.39E-02	1.17E-03	9.92E-09	3.16E-05	1.14E-05	1.22E-03	1.49E-03	9.80E-03	2.37E-03	4.17E-04	1.41E-02
2301	495661.06	3859951.99	0.34471	0.32222	0.3727	0.13147	1.29E-03	9.61E-03	2.38E-03	4.15E-04	1.37E-02	1.17E-03	9.73E-09	3.17E-05	1.13E-05	1.21E-03	1.49E-03	9.61E-03	2.38E-03	4.15E-04	1.39E-02
2302	494311.06	3860001.99	0.37041	0.44957	0.2584	0.13745	1.38E-03	1.34E-02	1.65E-03	4.34E-04	1.69E-02	1.26E-03	1.36E-08	2.20E-05	1.18E-05	1.29E-03	1.60E-03	1.34E-02	1.65E-03	4.34E-04	1.71E-02
2303	494361.06	3860001.99	0.36186	0.44388	0.2577	0.13726	1.35E-03	1.32E-02	1.64E-03	4.33E-04	1.67E-02	1.23E-03	1.34E-08	2.19E-05	1.18E-05	1.26E-03	1.56E-03	1.32E-02	1.64E-03	4.33E-04	1.69E-02
2304	494411.06	3860001.99	0.35242	0.43514	0.2626	0.13739	1.32E-03	1.30E-02	1.67E-03	4.34E-04	1.64E-02	1.20E-03	1.31E-08	2.23E-05	1.18E-05	1.23E-03	1.52E-03	1.30E-02	1.67E-03	4.34E-04	1.66E-02
2305	494461.06	3860001.99	0.35154	0.4338	0.2621	0.13702	1.31E-03	1.29E-02	1.67E-03	4.33E-04	1.64E-02	1.19E-03	1.31E-08	2.23E-05	1.18E-05	1.23E-03	1.52E-03	1.29E-02	1.67E-03	4.33E-04	1.66E-02
2306	494511.06	3860001.99	0.35403	0.42822	0.2623	0.13727	1.32E-03	1.28E-02	1.67E-03	4.33E-04	1.62E-02	1.20E-03	1.29E-08	2.23E-05	1.18E-05	1.24E-03	1.53E-03	1.28E-02	1.67E-03	4.33E-04	1.64E-02
2307	494561.06	3860001.99	0.35963	0.43745	0.267	0.13629	1.34E-03	1.31E-02	1.70E-03	4.30E-04	1.65E-02	1.22E-03	1.32E-08	2.27E-05	1.17E-05	1.26E-03	1.55E-03	1.31E-02	1.70E-03	4.30E-04	1.67E-02
2308	494611.06	3860001.99	0.36154	0.42997	0.2733	0.13632	1.35E-03	1.28E-02	1.74E-03	4.30E-04	1.64E-02	1.23E-03	1.30E-08	2.32E-05	1.17E-05	1.26E-03	1.56E-03	1.28E-02	1.74E-03	4.30E-04	1.66E-02
2309	494661.06	3860001.99	0.36069	0.42665	0.2842	0.13592	1.35E-03	1.27E-02	1.81E-03	4.29E-04	1.63E-02	1.22E-03	1.29E-08	2.42E-05	1.17E-05	1.26E-03	1.56E-03	1.27E-02	1.81E-03	4.29E-04	1.65E-02
2310	494711.06	3860001.99	0.35774	0.41087	0.2938	0.13604	1.33E-03	1.23E-02	1.87E-03	4.30E-04	1.59E-02	1.21E-03	1.24E-08	2.50E-05	1.17E-05	1.25E-03	1.54E-03	1.23E-02	1.87E-03	4.30E-04	1.61E-02
2311	494761.06	3860001.99	0.34657	0.41358	0.2997	0.13501	1.29E-03	1.23E-02	1.91E-03	4.26E-04	1.60E-02	1.18E-03	1.25E-08	2.55E-05	1.16E-05	1.21E-03	1.50E-03	1.23E-02	1.91E-03	4.26E-04	1.62E-02
2312	494811.06	3860001.99	0.34667	0.41107	0.3002	0.1345	1.29E-03	1.23E-02	1.91E-03	4.25E-04	1.59E-02	1.18E-03	1.24E-08	2.55E-05	1.16E-05	1.21E-03	1.50E-03	1.23E-02	1.91E-03	4.25E-04	1.61E-02
2313	494861.06	3860001.99	0.34811	0.40951	0.2973	0.13399	1.30E-03	1.22E-02	1.90E-03	4.23E-04	1.58E-02	1.18E-03	1.24E-08	2.53E-05	1.15E-05	1.22E-03	1.50E-03	1.22E-02	1.90E-03	4.23E-04	1.60E-02
2314	494911.06	3860001.99	0.35728	0.39422	0.3004	0.13448	1.33E-03	1.18E-02	1.92E-03	4.25E-04	1.54E-02	1.21E-03	1.19E-08	2.55E-05	1.16E-05	1.25E-03	1.54E-03	1.18E-02	1.92E-03	4.25E-04	1.56E-02

2315	494961.06	3860001.99	0.35923	0.39169	0.305	0.13402	1.34E-03	1.17E-02	1.95E-03	4.23E-04	1.54E-02	1.22E-03	1.18E-08	2.59E-05	1.15E-05	1.26E-03	1.55E-03	1.17E-02	1.95E-03	4.23E-04	1.56E-02
2316	495011.06	3860001.99	0.36057	0.38452	0.3139	0.13334	1.35E-03	1.15E-02	2.00E-03	4.21E-04	1.52E-02	1.22E-03	1.16E-08	2.67E-05	1.15E-05	1.26E-03	1.56E-03	1.15E-02	2.00E-03	4.21E-04	1.55E-02
2317	495061.06	3860001.99	0.35995	0.38297	0.3186	0.13307	1.34E-03	1.14E-02	2.03E-03	4.20E-04	1.52E-02	1.22E-03	1.16E-08	2.71E-05	1.15E-05	1.26E-03	1.55E-03	1.14E-02	2.03E-03	4.20E-04	1.54E-02
2318	495111.06	3860001.99	0.36183	0.37586	0.3325	0.13349	1.35E-03	1.12E-02	2.12E-03	4.21E-04	1.51E-02	1.23E-03	1.14E-08	2.83E-05	1.15E-05	1.27E-03	1.56E-03	1.12E-02	2.12E-03	4.21E-04	1.53E-02
2319	495161.06	3860001.99	0.36467	0.36966	0.3359	0.13407	1.36E-03	1.10E-02	2.14E-03	4.23E-04	1.50E-02	1.24E-03	1.12E-08	2.86E-05	1.15E-05	1.28E-03	1.57E-03	1.10E-02	2.14E-03	4.23E-04	1.52E-02
2320	495211.06	3860001.99	0.36704	0.36818	0.3364	0.1343	1.37E-03	1.10E-02	2.15E-03	4.24E-04	1.49E-02	1.25E-03	1.11E-08	2.86E-05	1.16E-05	1.29E-03	1.58E-03	1.10E-02	2.15E-03	4.24E-04	1.51E-02
2321	495261.06	3860001.99	0.36822	0.36262	0.3363	0.13457	1.37E-03	1.08E-02	2.14E-03	4.25E-04	1.48E-02	1.25E-03	1.10E-08	2.86E-05	1.16E-05	1.29E-03	1.59E-03	1.08E-02	2.14E-03	4.25E-04	1.50E-02
2322	495311.06	3860001.99	0.3622	0.35922	0.3363	0.13391	1.35E-03	1.07E-02	2.15E-03	4.23E-04	1.46E-02	1.23E-03	1.08E-08	2.86E-05	1.15E-05	1.27E-03	1.56E-03	1.07E-02	2.15E-03	4.23E-04	1.48E-02
2323	495361.06	3860001.99	0.35868	0.3504	0.3374	0.13375	1.34E-03	1.05E-02	2.15E-03	4.22E-04	1.44E-02	1.22E-03	1.06E-08	2.87E-05	1.15E-05	1.26E-03	1.55E-03	1.05E-02	2.15E-03	4.22E-04	1.46E-02
2324	495411.06	3860001.99	0.35611	0.3502	0.3389	0.1336	1.33E-03	1.04E-02	2.16E-03	4.22E-04	1.44E-02	1.21E-03	1.06E-08	2.88E-05	1.15E-05	1.25E-03	1.54E-03	1.04E-02	2.16E-03	4.22E-04	1.46E-02
2325	495461.06	3860001.99	0.35371	0.34652	0.3426	0.13334	1.32E-03	1.03E-02	2.19E-03	4.21E-04	1.43E-02	1.20E-03	1.05E-08	2.91E-05	1.15E-05	1.24E-03	1.53E-03	1.03E-02	2.19E-03	4.21E-04	1.45E-02
2326	495511.06	3860001.99	0.35045	0.34285	0.3466	0.13372	1.31E-03	1.02E-02	2.21E-03	4.22E-04	1.42E-02	1.19E-03	1.04E-08	2.95E-05	1.15E-05	1.23E-03	1.51E-03	1.02E-02	2.21E-03	4.22E-04	1.44E-02
2327	495561.06	3860001.99	0.34668	0.34092	0.3508	0.1332	1.29E-03	1.02E-02	2.24E-03	4.21E-04	1.41E-02	1.18E-03	1.03E-08	2.98E-05	1.15E-05	1.22E-03	1.50E-03	1.02E-02	2.24E-03	4.21E-04	1.43E-02
2328	495611.06	3860001.99	0.3438	0.33477	0.3547	0.13249	1.28E-03	9.99E-03	2.26E-03	4.18E-04	1.40E-02	1.17E-03	1.01E-08	3.02E-05	1.14E-05	1.21E-03	1.48E-03	9.99E-03	2.26E-03	4.18E-04	1.42E-02
2329	495661.06	3860001.99	0.34042	0.32866	0.3585	0.1318	1.27E-03	9.81E-03	2.29E-03	4.16E-04	1.38E-02	1.16E-03	9.92E-09	3.05E-05	1.13E-05	1.20E-03	1.47E-03	9.81E-03	2.29E-03	4.16E-04	1.40E-02
2330	494411.06	3860051.99	0.36631	0.44744	0.2533	0.13573	1.37E-03	1.33E-02	1.62E-03	4.29E-04	1.68E-02	1.24E-03	1.35E-08	2.15E-05	1.17E-05	1.28E-03	1.58E-03	1.33E-02	1.62E-03	4.29E-04	1.70E-02
2331	494461.06	3860051.99	0.35695	0.44252	0.2546	0.13575	1.33E-03	1.32E-02	1.62E-03	4.29E-04	1.66E-02	1.21E-03	1.34E-08	2.17E-05	1.17E-05	1.25E-03	1.54E-03	1.32E-02	1.62E-03	4.29E-04	1.68E-02
2332	494511.06	3860051.99	0.34779	0.43794	0.2468	0.13563	1.30E-03	1.31E-02	1.57E-03	4.28E-04	1.64E-02	1.18E-03	1.32E-08	2.10E-05	1.17E-05	1.21E-03	1.50E-03	1.31E-02	1.57E-03	4.28E-04	1.66E-02
2333	494561.06	3860051.99	0.34433	0.44091	0.2454	0.13397	1.28E-03	1.32E-02	1.57E-03	4.23E-04	1.64E-02	1.17E-03	1.33E-08	2.09E-05	1.15E-05	1.20E-03	1.49E-03	1.32E-02	1.57E-03	4.23E-04	1.66E-02
2334	494611.06	3860051.99	0.34685	0.43819	0.2467	0.13359	1.29E-03	1.31E-02	1.57E-03	4.22E-04	1.64E-02	1.18E-03	1.32E-08	2.10E-05	1.15E-05	1.21E-03	1.50E-03	1.31E-02	1.57E-03	4.22E-04	1.66E-02
2335	494661.06	3860051.99	0.35049	0.43418	0.2538	0.13325	1.31E-03	1.30E-02	1.62E-03	4.21E-04	1.63E-02	1.19E-03	1.31E-08	2.16E-05	1.15E-05	1.22E-03	1.51E-03	1.30E-02	1.62E-03	4.21E-04	1.65E-02
2336	494711.06	3860051.99	0.35444	0.42286	0.2599	0.13379	1.32E-03	1.26E-02	1.66E-03	4.22E-04	1.60E-02	1.20E-03	1.28E-08	2.21E-05	1.15E-05	1.24E-03	1.53E-03	1.26E-02	1.66E-03	4.22E-04	1.62E-02
2337	494761.06	3860051.99	0.35502	0.42006	0.2633	0.13329	1.32E-03	1.25E-02	1.68E-03	4.21E-04	1.60E-02	1.21E-03	1.27E-08	2.24E-05	1.15E-05	1.24E-03	1.53E-03	1.25E-02	1.68E-03	4.21E-04	1.62E-02
2338	494811.06	3860051.99	0.34851	0.42036	0.2726	0.13221	1.30E-03	1.25E-02	1.74E-03	4.17E-04	1.60E-02	1.18E-03	1.27E-08	2.32E-05	1.14E-05	1.22E-03	1.50E-03	1.25E-02	1.74E-03	4.17E-04	1.62E-02
2339	494861.06	3860051.99	0.34145	0.41976	0.2774	0.13177	1.27E-03	1.25E-02	1.77E-03	4.16E-04	1.60E-02	1.16E-03	1.27E-08	2.36E-05	1.13E-05	1.19E-03	1.47E-03	1.25E-02	1.77E-03	4.16E-04	1.62E-02
2340	494911.06	3860051.99	0.33976	0.41125	0.2856	0.13186	1.27E-03	1.23E-02	1.82E-03	4.16E-04	1.58E-02	1.15E-03	1.24E-08	2.43E-05	1.14E-05	1.19E-03	1.47E-03	1.23E-02	1.82E-03	4.16E-04	1.60E-02
2341	494961.06	3860051.99	0.34125	0.40237	0.2911	0.13237	1.27E-03	1.20E-02	1.86E-03	4.18E-04	1.56E-02	1.16E-03	1.22E-08	2.48E-05	1.14E-05	1.19E-03	1.47E-03	1.20E-02	1.86E-03	4.18E-04	1.58E-02
2342	495011.06	3860051.99	0.34156	0.39523	0.289	0.13216	1.27E-03	1.18E-02	1.84E-03	4.17E-04	1.53E-02	1.16E-03	1.19E-08	2.46E-05	1.14E-05	1.20E-03	1.47E-03	1.18E-02	1.84E-03	4.17E-04	1.55E-02
2343	495061.06	3860051.99	0.34397	0.39003	0.2899	0.13159	1.28E-03	1.16E-02	1.85E-03	4.15E-04	1.52E-02	1.17E-03	1.18E-08	2.47E-05	1.13E-05	1.20E-03	1.48E-03	1.16E-02	1.85E-03	4.15E-04	1.54E-02
2344	495111.06	3860051.99	0.34329	0.38206	0.2937	0.13086	1.28E-03	1.14E-02	1.87E-03	4.13E-04	1.50E-02	1.17E-03	1.15E-08	2.50E-05	1.13E-05	1.20E-03	1.48E-03	1.14E-02	1.87E-03	4.13E-04	1.52E-02
2345	495161.06	3860051.99	0.35197	0.37715	0.298	0.1302	1.31E-03	1.13E-02	1.90E-03	4.11E-04	1.49E-02	1.19E-03	1.14E-08	2.53E-05	1.12E-05	1.23E-03	1.52E-03	1.13E-02	1.90E-03	4.11E-04	1.51E-02
2346	495211.06	3860051.99	0.35356	0.37103	0.3067	0.12983	1.32E-03	1.11E-02	1.96E-03	4.10E-04	1.48E-02	1.20E-03	1.12E-08	2.61E-05	1.12E-05	1.24E-03	1.53E-03	1.11E-02	1.96E-03	4.10E-04	1.50E-02
2347	495261.06	3860051.99	0.35506	0.36761	0.3158	0.13004	1.32E-03	1.10E-02	2.01E-03	4.11E-04	1.47E-02	1.21E-03	1.11E-08	2.69E-05	1.12E-05	1.24E-03	1.53E-03	1.10E-02	2.01E-03	4.11E-04	1.49E-02
2348	495311.06	3860051.99	0.35664	0.36443	0.3229	0.13021	1.33E-03	1.09E-02	2.06E-03	4.11E-04	1.47E-02	1.21E-03	1.10E-08	2.75E-05	1.12E-05	1.25E-03	1.54E-03	1.09E-02	2.06E-03	4.11E-04	1.49E-02
2349	495361.06	3860051.99	0.36052	0.36075	0.3268	0.13049	1.35E-03	1.08E-02	2.08E-03	4.12E-04	1.46E-02	1.22E-03	1.09E-08	2.78E-05	1.12E-05	1.26E-03	1.56E-03	1.08E-02	2.08E-03	4.12E-04	1.48E-02
2350	495411.06	3860051.99	0.35865	0.35651	0.3267	0.13069	1.34E-03	1.06E-02	2.08E-03	4.13E-04	1.45E-02	1.22E-03	1.08E-08	2.78E-05	1.13E-05	1.26E-03	1.55E-03	1.06E-02	2.08E-03	4.13E-04	1.47E-02
2351	495461.06	3860051.99	0.35317	0.35161	0.3267	0.13124	1.32E-03	1.05E-02	2.08E-03	4.14E-04	1.43E-02	1.20E-03	1.06E-08	2.78E-05	1.13E-05	1.24E-03	1.52E-03	1.05E-02	2.08E-03	4.14E-04	1.45E-02
2352	495511.06	3860051.99	0.35017	0.34878	0.3269	0.13149	1.31E-03	1.04E-02	2.09E-03	4.15E-04	1.42E-02	1.19E-03	1.05E-08	2.78E-05	1.13E-05	1.23E-03	1.51E-03	1.04E-02	2.09E-03	4.15E-04	1.44E-02
2353	495561.06	3860051.99	0.34717	0.34566	0.3282	0.13101	1.30E-03	1.03E-02	2.09E-03	4.14E-04	1.41E-02	1.18E-03	1.04E-08	2.79E-05	1.13E-05	1.22E-03	1.50E-03	1.03E-02	2.09E-03	4.14E-04	1.43E-02
2354	495611.06	3860051.99	0.34493	0.34098	0.3301	0.13035	1.29E-03	1.02E-02	2.11E-03	4.12E-04	1.40E-02	1.17E-03	1.03E-08	2.81E-05	1.12E-05	1.21E-03	1.49E-03	1.02E-02	2.11E-03	4.12E-04	1.42E-02
2355	495661.06	3860051.99	0.3424	0.33479	0.3337	0.13123	1.28E-03	9.99E-03	2.13E-03	4.14E-04	1.38E-02	1.16E-03	1.01E-08	2.84E-05	1.13E-05	1.20E-03	1.48E-03	9.99E-03	2.13E-03	4.14E-04	1.40E-02
2356	494411.06	3860101.99	0.38092	0.44513	0.2449	0.13696	1.42E-03	1.33E-02	1.56E-03	4.32E-04	1.67E-02	1.29E-03	1.34E-08	2.08E-05	1.18E-05	1.33E-03	1.64E-03	1.33E-02	1.56E-03	4.32E-04	1.69E-02
2357	494461.06	3860101.99	0.37129	0.44843	0.2465	0.13555	1.39E-03	1.34E-02	1.57E-03	4.28E-04	1.68E-02	1.26E-03	1.35E-08	2.10E-05	1.17E-05	1.29E-03	1.60E-03	1.34E-02	1.57E-03	4.28E-04	1.70E-02
2358	494511.06	3860101.99	0.36225	0.44119	0.2458	0.13501	1.35E-03	1.32E-02	1.57E-03	4.26E-04	1.65E-02	1.23E-03	1.33E-08	2.09E-05	1.16E-05	1.26E-03	1.56E-03	1.32E-02	1.57E-03	4.26E-04	1.67E-02
2359	494561.06	3860101.99	0.35213	0.44203	0.2478	0.13424	1.31E-03	1.32E-02	1.58E-03	4.24E-04	1.65E-02	1.20E-03	1.33E-08	2.11E-05	1.16E-05	1.23E-03	1.52E-03	1.32E-02	1.58E-03	4.24E-04	1.67E-02
2360	494611.06	3860101.99	0.34312	0.44537	0.25	0.13262	1.28E-03	1.33E-02	1.59E-03	4.19E-04	1.66E-02	1.16E-03	1.34E-08	2.13E-05	1.14E-05	1.20E-03	1.48E-03	1.33E-02	1.59E-03	4.19E-04	1.68E-02
2361	494661.06	3860101.99	0.33753	0.44401	0.247	0.13238	1.26E-03	1.32E-02	1.58E-03	4.18E-04	1.65E-02	1.15E-03	1.34E-08	2.10E-05	1.14E-05	1.18E-03	1.46E-03	1.32E-02	1.58E-03	4.18E-04	1.67E-02
2362	494711.06	3860101.99	0.33961	0.43631	0.2416	0.13221	1.27E-03	1.30E-02	1.54E-03	4.17E-04	1.62E-02	1.15E-03	1.32E-08	2.05E-05	1.14E-05	1.18E-03	1.47E-03	1.30E-02	1.54E-03	4.17E-04	1.64E-02
2363	494761.06	3860101.99	0.34256	0.4335	0.2396	0.13172	1.28E-03	1.29E-02	1.53E-03	4.16E-04	1.62E-02	1.16E-03	1.31E-08	2.04E-05	1.13E-05	1.19E-03	1.48E-03	1.29E-02	1.53E-03	4.16E-04	1.64E-02
2364	494811.06	3860101.99	0.34704	0.43085	0.2402	0.13089	1.29E-03	1.29E-02	1.53E-03	4.13E-04	1.61E-02	1.18E-03	1.30E-08	2.04E-05	1.13E-05	1.21E-03	1.50E-03	1.29E-02	1.53E-03	4.13E-04	1.63E-02
2365	494861.06	3860101.99	0.34801	0.43764	0.2437	0.12997	1.30E-03	1.31E-02	1.55E-03	4.10E-04	1.63E-02	1.18E-03	1.32E-08	2.07E-05	1.12E-05	1.21E-03	1.50E-03	1.31E-02	1.55E-03	4.10E-04	1.65E-02
2366	494911.06	3860101.99	0.34476	0.41755	0.2544	0.13117	1.29E-03	1.25E-02	1.62E-03	4.14E-04	1.58E-02	1.17E-03	1.26E-08	2.16E-05	1.13E-05	1.20E-03	1.49E-03	1.25E-02	1.62E-03	4.14E-04	1.60E-02
2367	494961.06	3860101.99	0.33685	0.41309	0.263	0.13077	1.26E-03	1.23E-02	1.68E-03	4.13E-04	1.57E-02	1.14E-03	1.25E-08	2.24E-05	1.13E-05	1.18E-03	1.45E-03	1.23E-02	1.68E-03	4.13E-04	1.59E-02
2368	495011.06	3860101.99	0.33385	0.40487	0.2736	0.13031	1.25E-03	1.21E-02	1.74E-03	4.11E-04	1.55E-02	1.13E-03	1.22E-08	2.33E-05	1.12E-05	1.17E-03	1.44E-03	1.21E-02	1.74E-03	4.11E-04	1.57E-02
2369	495061.06	3860101.99	0.33449	0.39749	0.278	0.12962	1.25E-03	1.19E-02	1.77E-03	4.09E-04	1.53E-02	1.14E-03	1.20E-08	2.36E-05	1.12E-05	1.17E-03	1.44E-03	1.19E-02	1.77E-03	4.09E-04	1.55E-02
2370	495111.06	3860101.99	0.33433	0.38786	0.2829	0.12892	1.25E-03	1.16E-02	1.80E-03	4.07E-04	1.50E-02	1.14E-03	1.17E-08	2.41E-05	1.11E-05	1.17E-03	1.44E-03	1.16E-02	1.80E-03	4.07E-04	1.52E-02
2371	495161.06	3860101.99	0.33711	0.38457	0.2826	0.12823	1.26E-03	1.15E-02	1.80E-03	4.05E-04	1.49E-02	1.14E-03	1.16E-08	2.40E-05	1.10E-05	1.18E-03	1.45E-03	1.15E-02	1.80E-03	4.05E-04	1.51E-02
2372	495211.06	3860101.99	0.33776	0.37909	0.2804	0.12752	1.26E-03	1.13E-02	1.79E-03	4.03E-04	1.48E-02	1.15E-03	1.14E-08	2.38E-05	1.10E-05	1.18E-03	1.46E-03	1.13E-02	1.79E-03	4.03E-04	1.50E-02
2373	495261.06	3860101.99	0.33727	0.37348	0.2836	0.12679	1.26E-03	1.11E-02	1.81E-03	4.00E-04	1.46E-02	1.15E-03	1.13E-08	2.41E-05	1.09E-05	1.18E-03	1.46E-03	1.11E-02	1.81E-03	4.00E-04	1.48E-02
2374	495311.06	3860101.99	0.33651	0.36902	0.2868	0.12607	1.26E-03	1.10E-02	1.83E-03	3.98E-04	1.45E-02	1.14E-03	1.11E-08	2.44E-05	1.09E-05	1.18E-03	1.45E-03	1.10E-02	1.83E-03	3.98E-04	1.47E-02
2375	495361.06	3860101.99	0.33717	0.36689	0.2901	0.12548	1.26E-03	1.09E-02	1.85E-03	3.96E-04	1.45E-02	1.14E-03	1.11E-08	2.47E-05	1.08E-05	1.18E-03	1.45E-03	1.09E-02	1.85E-03	3.96E-04	1.46E-02

2376	495411.06	3860101.99	0.33887	0.36231	0.2961	0.12572	1.26E-03	1.08E-02	1.89E-03	3.97E-04	1.44E-02	1.15E-03	1.09E-08	2.52E-05	1.08E-05	1.19E-03	1.46E-03	1.08E-02	1.89E-03	3.97E-04	1.46E-02
2377	495461.06	3860101.99	0.35104	0.35578	0.3084	0.12624	1.31E-03	1.06E-02	1.97E-03	3.99E-04	1.43E-02	1.19E-03	1.07E-08	2.62E-05	1.09E-05	1.23E-03	1.51E-03	1.06E-02	1.97E-03	3.99E-04	1.45E-02
2378	495511.06	3860101.99	0.35377	0.35524	0.3139	0.12663	1.32E-03	1.06E-02	2.00E-03	4.00E-04	1.43E-02	1.20E-03	1.07E-08	2.67E-05	1.09E-05	1.24E-03	1.53E-03	1.06E-02	2.00E-03	4.00E-04	1.45E-02
2379	495561.06	3860101.99	0.34949	0.35479	0.3175	0.12765	1.30E-03	1.06E-02	2.03E-03	4.03E-04	1.43E-02	1.19E-03	1.07E-08	2.70E-05	1.10E-05	1.22E-03	1.51E-03	1.06E-02	2.03E-03	4.03E-04	1.45E-02
2380	495611.06	3860101.99	0.34501	0.34826	0.3174	0.12869	1.29E-03	1.04E-02	2.02E-03	4.06E-04	1.41E-02	1.17E-03	1.05E-08	2.70E-05	1.11E-05	1.21E-03	1.49E-03	1.04E-02	2.02E-03	4.06E-04	1.43E-02
2381	495661.06	3860101.99	0.34173	0.345	0.3174	0.12827	1.28E-03	1.03E-02	2.02E-03	4.05E-04	1.40E-02	1.16E-03	1.04E-08	2.70E-05	1.10E-05	1.20E-03	1.47E-03	1.03E-02	2.02E-03	4.05E-04	1.42E-02
2382	494861.06	3860151.99	0.33428	0.44637	0.2429	0.13004	1.25E-03	1.33E-02	1.55E-03	4.11E-04	1.65E-02	1.13E-03	1.35E-08	2.07E-05	1.12E-05	1.17E-03	1.44E-03	1.33E-02	1.55E-03	4.11E-04	1.67E-02
2383	494911.06	3860151.99	0.33874	0.42815	0.2378	0.12988	1.26E-03	1.28E-02	1.52E-03	4.10E-04	1.60E-02	1.15E-03	1.29E-08	2.02E-05	1.12E-05	1.18E-03	1.46E-03	1.28E-02	1.52E-03	4.10E-04	1.62E-02
2384	494961.06	3860151.99	0.34152	0.42214	0.2361	0.12922	1.27E-03	1.26E-02	1.51E-03	4.08E-04	1.58E-02	1.16E-03	1.27E-08	2.01E-05	1.11E-05	1.19E-03	1.47E-03	1.26E-02	1.51E-03	4.08E-04	1.60E-02
2385	495011.06	3860151.99	0.34101	0.41504	0.2395	0.12953	1.27E-03	1.24E-02	1.53E-03	4.09E-04	1.56E-02	1.16E-03	1.25E-08	2.04E-05	1.12E-05	1.19E-03	1.47E-03	1.24E-02	1.53E-03	4.09E-04	1.58E-02
2386	495061.06	3860151.99	0.33322	0.40804	0.2488	0.129	1.24E-03	1.22E-02	1.59E-03	4.07E-04	1.54E-02	1.13E-03	1.23E-08	2.12E-05	1.11E-05	1.16E-03	1.44E-03	1.22E-02	1.59E-03	4.07E-04	1.56E-02
2387	495111.06	3860151.99	0.32898	0.40271	0.2543	0.12844	1.23E-03	1.20E-02	1.62E-03	4.06E-04	1.53E-02	1.12E-03	1.22E-08	2.16E-05	1.11E-05	1.15E-03	1.42E-03	1.20E-02	1.62E-03	4.06E-04	1.55E-02
2388	495161.06	3860151.99	0.32786	0.39806	0.2638	0.12791	1.22E-03	1.19E-02	1.68E-03	4.04E-04	1.52E-02	1.11E-03	1.20E-08	2.24E-05	1.10E-05	1.15E-03	1.41E-03	1.19E-02	1.68E-03	4.04E-04	1.54E-02
2389	495211.06	3860151.99	0.32766	0.39234	0.27	0.1273	1.22E-03	1.17E-02	1.72E-03	4.02E-04	1.51E-02	1.11E-03	1.18E-08	2.30E-05	1.10E-05	1.15E-03	1.41E-03	1.17E-02	1.72E-03	4.02E-04	1.52E-02
2390	495261.06	3860151.99	0.32946	0.38812	0.2731	0.12677	1.23E-03	1.16E-02	1.74E-03	4.00E-04	1.50E-02	1.12E-03	1.17E-08	2.32E-05	1.09E-05	1.15E-03	1.42E-03	1.16E-02	1.74E-03	4.00E-04	1.51E-02
2391	495311.06	3860151.99	0.33244	0.38375	0.2751	0.12624	1.24E-03	1.14E-02	1.75E-03	3.99E-04	1.48E-02	1.13E-03	1.16E-08	2.34E-05	1.09E-05	1.16E-03	1.43E-03	1.14E-02	1.75E-03	3.99E-04	1.50E-02
2392	495361.06	3860151.99	0.33196	0.37976	0.2714	0.12586	1.24E-03	1.13E-02	1.73E-03	3.97E-04	1.47E-02	1.13E-03	1.15E-08	2.31E-05	1.08E-05	1.16E-03	1.43E-03	1.13E-02	1.73E-03	3.97E-04	1.49E-02
2393	495411.06	3860151.99	0.3314	0.37469	0.2739	0.12543	1.24E-03	1.12E-02	1.75E-03	3.96E-04	1.46E-02	1.13E-03	1.13E-08	2.33E-05	1.08E-05	1.16E-03	1.43E-03	1.12E-02	1.75E-03	3.96E-04	1.48E-02
2394	495461.06	3860151.99	0.33074	0.37	0.2773	0.125	1.23E-03	1.10E-02	1.77E-03	3.95E-04	1.44E-02	1.12E-03	1.12E-08	2.36E-05	1.08E-05	1.16E-03	1.43E-03	1.10E-02	1.77E-03	3.95E-04	1.46E-02
2395	495511.06	3860151.99	0.33271	0.36396	0.2803	0.12452	1.24E-03	1.09E-02	1.79E-03	3.93E-04	1.43E-02	1.13E-03	1.10E-08	2.38E-05	1.07E-05	1.16E-03	1.44E-03	1.09E-02	1.79E-03	3.93E-04	1.45E-02
2396	495561.06	3860151.99	0.33436	0.36034	0.2839	0.12467	1.25E-03	1.08E-02	1.81E-03	3.94E-04	1.42E-02	1.14E-03	1.09E-08	2.41E-05	1.07E-05	1.17E-03	1.44E-03	1.08E-02	1.81E-03	3.94E-04	1.44E-02
2397	495611.06	3860151.99	0.33787	0.35485	0.2899	0.12517	1.26E-03	1.06E-02	1.85E-03	3.95E-04	1.41E-02	1.15E-03	1.07E-08	2.47E-05	1.08E-05	1.18E-03	1.46E-03	1.06E-02	1.85E-03	3.95E-04	1.43E-02
2398	495661.06	3860151.99	0.34056	0.34941	0.299	0.12563	1.27E-03	1.04E-02	1.91E-03	3.97E-04	1.40E-02	1.16E-03	1.06E-08	2.54E-05	1.08E-05	1.19E-03	1.47E-03	1.04E-02	1.91E-03	3.97E-04	1.42E-02
2399	495718.25	3859442.96	0.29363	0.21853	0.3624	0.13121	1.10E-03	6.52E-03	2.31E-03	4.14E-04	1.03E-02	9.97E-04	6.60E-09	3.08E-05	1.13E-05	1.04E-03	1.27E-03	6.52E-03	2.31E-03	4.14E-04	1.05E-02
2400	495818.25	3859442.96	0.28596	0.21252	0.3615	0.12929	1.07E-03	6.34E-03	2.31E-03	4.08E-04	1.01E-02	9.71E-04	6.42E-09	3.07E-05	1.11E-05	1.01E-03	1.23E-03	6.34E-03	2.31E-03	4.08E-04	1.03E-02
2401	495918.25	3859442.96	0.28235	0.20811	0.3661	0.12777	1.05E-03	6.21E-03	2.33E-03	4.03E-04	1.00E-02	9.59E-04	6.28E-09	3.11E-05	1.10E-05	1.00E-03	1.22E-03	6.21E-03	2.33E-03	4.03E-04	1.02E-02
2402	496018.25	3859442.96	0.28516	0.20481	0.3723	0.12623	1.06E-03	6.11E-03	2.37E-03	3.99E-04	9.95E-03	9.68E-04	6.18E-09	3.17E-05	1.09E-05	1.01E-03	1.23E-03	6.11E-03	2.37E-03	3.99E-04	1.01E-02
2403	496118.25	3859442.96	0.29125	0.2077	0.3784	0.12582	1.09E-03	6.20E-03	2.41E-03	3.97E-04	1.01E-02	9.89E-04	6.27E-09	3.22E-05	1.08E-05	1.03E-03	1.26E-03	6.20E-03	2.41E-03	3.97E-04	1.03E-02
2404	496218.25	3859442.96	0.29228	0.20979	0.3801	0.12625	1.09E-03	6.26E-03	2.42E-03	3.99E-04	1.02E-02	9.92E-04	6.34E-09	3.23E-05	1.09E-05	1.04E-03	1.26E-03	6.26E-03	2.42E-03	3.99E-04	1.03E-02
2405	496318.25	3859442.96	0.28498	0.20713	0.3793	0.12497	1.06E-03	6.18E-03	2.42E-03	3.95E-04	1.01E-02	9.68E-04	6.25E-09	3.23E-05	1.08E-05	1.01E-03	1.23E-03	6.18E-03	2.42E-03	3.95E-04	1.02E-02
2406	496418.25	3859442.96	0.27516	0.20431	0.3835	0.12463	1.03E-03	6.10E-03	2.45E-03	3.94E-04	9.96E-03	9.34E-04	6.17E-09	3.26E-05	1.07E-05	9.78E-04	1.19E-03	6.10E-03	2.45E-03	3.94E-04	1.01E-02
2407	495718.25	3859542.96	0.32385	0.23232	0.3595	0.132	1.21E-03	6.93E-03	2.29E-03	4.17E-04	1.08E-02	1.10E-03	7.02E-09	3.06E-05	1.14E-05	1.14E-03	1.40E-03	6.93E-03	2.29E-03	4.17E-04	1.10E-02
2408	495818.25	3859542.96	0.31106	0.22809	0.3483	0.13132	1.16E-03	6.80E-03	2.22E-03	4.15E-04	1.06E-02	1.06E-03	6.89E-09	2.96E-05	1.13E-05	1.10E-03	1.34E-03	6.80E-03	2.22E-03	4.15E-04	1.08E-02
2409	495918.25	3859542.96	0.29983	0.22251	0.3371	0.13128	1.12E-03	6.64E-03	2.15E-03	4.14E-04	1.03E-02	1.02E-03	6.72E-09	2.87E-05	1.13E-05	1.06E-03	1.29E-03	6.64E-03	2.15E-03	4.14E-04	1.05E-02
2410	496018.25	3859542.96	0.29031	0.21825	0.3307	0.13051	1.08E-03	6.51E-03	2.11E-03	4.12E-04	1.01E-02	9.86E-04	6.59E-09	2.81E-05	1.12E-05	1.02E-03	1.25E-03	6.51E-03	2.11E-03	4.12E-04	1.03E-02
2411	496118.25	3859542.96	0.29264	0.22076	0.3319	0.1308	1.09E-03	6.59E-03	2.12E-03	4.13E-04	1.02E-02	9.94E-04	6.67E-09	2.82E-05	1.13E-05	1.03E-03	1.26E-03	6.59E-03	2.12E-03	4.13E-04	1.04E-02
2412	496218.25	3859542.96	0.29358	0.22149	0.3372	0.13059	1.10E-03	6.61E-03	2.15E-03	4.12E-04	1.03E-02	9.97E-04	6.69E-09	2.87E-05	1.12E-05	1.04E-03	1.27E-03	6.61E-03	2.15E-03	4.12E-04	1.04E-02
2413	496318.25	3859542.96	0.29719	0.22071	0.3416	0.12982	1.11E-03	6.58E-03	2.18E-03	4.10E-04	1.03E-02	1.01E-03	6.67E-09	2.91E-05	1.12E-05	1.05E-03	1.28E-03	6.58E-03	2.18E-03	4.10E-04	1.05E-02
2414	496418.25	3859542.96	0.29653	0.2157	0.3459	0.12832	1.11E-03	6.44E-03	2.21E-03	4.05E-04	1.02E-02	1.01E-03	6.51E-09	2.94E-05	1.10E-05	1.05E-03	1.28E-03	6.44E-03	2.21E-03	4.05E-04	1.03E-02
2415	495718.25	3859642.96	0.33627	0.25049	0.3758	0.13492	1.25E-03	7.47E-03	2.40E-03	4.26E-04	1.16E-02	1.14E-03	7.56E-09	3.20E-05	1.16E-05	1.19E-03	1.45E-03	7.47E-03	2.40E-03	4.26E-04	1.17E-02
2416	495818.25	3859642.96	0.3352	0.24322	0.3693	0.13365	1.25E-03	7.26E-03	2.36E-03	4.22E-04	1.13E-02	1.14E-03	7.34E-09	3.14E-05	1.15E-05	1.18E-03	1.45E-03	7.26E-03	2.36E-03	4.22E-04	1.15E-02
2417	495918.25	3859642.96	0.32911	0.23945	0.3635	0.13251	1.23E-03	7.14E-03	2.32E-03	4.18E-04	1.11E-02	1.12E-03	7.23E-09	3.09E-05	1.14E-05	1.16E-03	1.42E-03	7.14E-03	2.32E-03	4.18E-04	1.13E-02
2418	496018.25	3859642.96	0.31823	0.23445	0.3592	0.13119	1.19E-03	6.99E-03	2.29E-03	4.14E-04	1.09E-02	1.08E-03	7.08E-09	3.06E-05	1.13E-05	1.12E-03	1.37E-03	6.99E-03	2.29E-03	4.14E-04	1.11E-02
2419	496118.25	3859642.96	0.31065	0.23913	0.3467	0.13077	1.16E-03	7.13E-03	2.21E-03	4.13E-04	1.09E-02	1.05E-03	7.22E-09	2.95E-05	1.13E-05	1.10E-03	1.34E-03	7.13E-03	2.21E-03	4.13E-04	1.11E-02
2420	496218.25	3859642.96	0.30613	0.24099	0.336	0.13078	1.14E-03	7.19E-03	2.14E-03	4.13E-04	1.09E-02	1.04E-03	7.28E-09	2.86E-05	1.13E-05	1.08E-03	1.32E-03	7.19E-03	2.14E-03	4.13E-04	1.11E-02
2421	496318.25	3859642.96	0.29774	0.23713	0.3263	0.12975	1.11E-03	7.07E-03	2.08E-03	4.10E-04	1.07E-02	1.01E-03	7.16E-09	2.78E-05	1.12E-05	1.05E-03	1.28E-03	7.07E-03	2.08E-03	4.10E-04	1.09E-02
2422	496418.25	3859642.96	0.28658	0.22007	0.3149	0.12777	1.07E-03	6.57E-03	2.01E-03	4.03E-04	1.00E-02	9.73E-04	6.65E-09	2.68E-05	1.10E-05	1.01E-03	1.24E-03	6.57E-03	2.01E-03	4.03E-04	1.02E-02
2423	495718.25	3859742.96	0.34364	0.27313	0.392	0.13658	1.28E-03	8.15E-03	2.50E-03	4.31E-04	1.24E-02	1.17E-03	8.25E-09	3.33E-05	1.18E-05	1.21E-03	1.48E-03	8.15E-03	2.50E-03	4.31E-04	1.26E-02
2424	495818.25	3859742.96	0.33605	0.26483	0.3886	0.13468	1.25E-03	7.90E-03	2.48E-03	4.25E-04	1.21E-02	1.14E-03	8.00E-09	3.30E-05	1.16E-05	1.19E-03	1.45E-03	7.90E-03	2.48E-03	4.25E-04	1.23E-02
2425	495918.25	3859742.96	0.33188	0.25911	0.3797	0.13317	1.24E-03	7.73E-03	2.42E-03	4.20E-04	1.18E-02	1.13E-03	7.82E-09	3.23E-05	1.15E-05	1.17E-03	1.43E-03	7.73E-03	2.42E-03	4.20E-04	1.20E-02
2426	496018.25	3859742.96	0.33028	0.2519	0.3717	0.13218	1.23E-03	7.52E-03	2.37E-03	4.17E-04	1.15E-02	1.12E-03	7.61E-09	3.16E-05	1.14E-05	1.16E-03	1.43E-03	7.52E-03	2.37E-03	4.17E-04	1.17E-02
2427	496118.25	3859742.96	0.33411	0.25504	0.3588	0.13207	1.25E-03	7.61E-03	2.29E-03	4.17E-04	1.16E-02	1.13E-03	7.70E-09	3.05E-05	1.14E-05	1.18E-03	1.44E-03	7.61E-03	2.29E-03	4.17E-04	1.18E-02
2428	496218.25	3859742.96	0.33179	0.25924	0.3526	0.13207	1.24E-03	7.73E-03	2.25E-03	4.17E-04	1.16E-02	1.13E-03	7.83E-09	3.00E-05	1.14E-05	1.17E-03	1.43E-03	7.73E-03	2.25E-03	4.17E-04	1.18E-02
2429	496318.25	3859742.96	0.31598	0.24434	0.3438	0.12925	1.18E-03	7.29E-03	2.19E-03	4.08E-04	1.11E-02	1.07E-03	7.38E-09	2.92E-05	1.11E-05	1.11E-03	1.36E-03	7.29E-03	2.19E-03	4.08E-04	1.13E-02
2430	496418.25	3859742.96	0.29577	0.22838	0.3379	0.127	1.10E-03	6.81E-03	2.16E-03	4.01E-04	1.05E-02	1.00E-03	6.90E-09	2.87E-05	1.09E-05	1.04E-03	1.28E-03	6.81E-03	2.16E-03	4.01E-04	1.06E-02
2431	495718.25	3859842.96	0.34273	0.2964	0.3785	0.13741	1.28E-03	8.84E-03	2.41E-03	4.34E-04	1.30E-02	1.16E-03	8.95E-09	3.22E-05	1.18E-05	1.21E-03	1.48E-03	8.84E-03	2.41E-03	4.34E-04	1.32E-02
2432	495818.25	3859842.96	0.34214	0.28846	0.3797	0.13625	1.28E-03	8.61E-03	2.42E-03	4.30E-04	1.27E-02	1.16E-03	8.71E-09	3.23E-05	1.17E-05	1.21E-03	1.48E-03	8.61E-03	2.42E-03	4.30E-04	1.29E-02
2433	495918.25	3859842.96	0.34148	0.28134	0.3805	0.13507	1.27E-03	8.39E-03	2.43E-03	4.26E-04	1.25E-02	1.16E-03	8.50E-09	3.24E-05	1.16E-05	1.20E-03	1.47E-03	8.39E-03	2.43E-03	4.26E-04	1.27E-02
2434	496018.25	3859842.96	0.33391	0.2782	0.3775	0.13402	1.25E-03	8.30E-03	2.41E-03	4.23E-04	1.24E-02	1.13E-03	8.40E-09	3.21E-05	1.15E-05	1.18E-03	1.44E-03	8.30E-03	2.41E-03	4.23E-04	1.26E-02
2435	496118.25	3859842.96	0.33083	0.28526	0.3753	0.13339	1.23E-03	8.51E-03	2.39E-03	4.21E-04	1.26E-02	1.12E-03	8.61E-09	3.19E-05	1.15E-05	1.17E-03	1.43E-03	8.51E-03	2.39E-03	4.21E-04	1.28E-02
2436	496218.25	3859842.96	0.32528	0.26599	0.3695	0.13225	1.21E-03	7.94E-03	2.36E-03	4.18E-04	1.19E-02	1.10E-03	8.03E-09	3.14E-05	1.14E-05	1.15E-03	1.40E-03	7.94E-03	2.36E-03	4.18E-04	1.21E-02

2437	496318.25	3859842.96	0.31433	0.23078	0.3613	0.12858	1.17E-03	6.88E-03	2.30E-03	4.06E-04	1.08E-02	1.07E-03	6.97E-09	3.07E-05	1.11E-05	1.11E-03	1.36E-03	6.88E-03	2.30E-03	4.06E-04	1.10E-02
2438	496418.25	3859842.96	0.30176	0.21359	0.3502	0.12388	1.13E-03	6.37E-03	2.23E-03	3.91E-04	1.01E-02	1.02E-03	6.45E-09	2.98E-05	1.07E-05	1.06E-03	1.30E-03	6.37E-03	2.23E-03	3.91E-04	1.03E-02
2439	495718.25	3859942.96	0.34642	0.31873	0.3731	0.13139	1.29E-03	9.51E-03	2.38E-03	4.15E-04	1.36E-02	1.18E-03	9.63E-09	3.17E-05	1.13E-05	1.22E-03	1.49E-03	9.51E-03	2.38E-03	4.15E-04	1.38E-02
2440	495818.25	3859942.96	0.33181	0.30993	0.3714	0.13042	1.24E-03	9.25E-03	2.37E-03	4.12E-04	1.33E-02	1.13E-03	9.36E-09	3.16E-05	1.12E-05	1.17E-03	1.43E-03	9.25E-03	2.37E-03	4.12E-04	1.35E-02
2441	495918.25	3859942.96	0.33007	0.30477	0.3653	0.12946	1.23E-03	9.09E-03	2.33E-03	4.09E-04	1.31E-02	1.12E-03	9.20E-09	3.11E-05	1.11E-05	1.16E-03	1.42E-03	9.09E-03	2.33E-03	4.09E-04	1.33E-02
2442	496018.25	3859942.96	0.33099	0.30951	0.3615	0.12856	1.24E-03	9.23E-03	2.31E-03	4.06E-04	1.32E-02	1.12E-03	9.35E-09	3.07E-05	1.11E-05	1.17E-03	1.43E-03	9.23E-03	2.31E-03	4.06E-04	1.34E-02
2443	496118.25	3859942.96	0.3304	0.29368	0.359	0.12753	1.23E-03	8.76E-03	2.29E-03	4.03E-04	1.27E-02	1.12E-03	8.87E-09	3.05E-05	1.10E-05	1.16E-03	1.43E-03	8.76E-03	2.29E-03	4.03E-04	1.29E-02
2444	496218.25	3859942.96	0.32681	0.26702	0.3578	0.12601	1.22E-03	7.97E-03	2.28E-03	3.98E-04	1.19E-02	1.11E-03	8.06E-09	3.04E-05	1.09E-05	1.15E-03	1.41E-03	7.97E-03	2.28E-03	3.98E-04	1.21E-02
2445	496318.25	3859942.96	0.31495	0.24279	0.3561	0.12438	1.18E-03	7.24E-03	2.27E-03	3.93E-04	1.11E-02	1.07E-03	7.33E-09	3.03E-05	1.07E-05	1.11E-03	1.36E-03	7.24E-03	2.27E-03	3.93E-04	1.13E-02
2446	496418.25	3859942.96	0.29337	0.21486	0.3511	0.12176	1.09E-03	6.41E-03	2.24E-03	3.84E-04	1.01E-02	9.96E-04	6.49E-09	2.99E-05	1.05E-05	1.04E-03	1.27E-03	6.41E-03	2.24E-03	3.84E-04	1.03E-02
2447	496856.82	3858864.83	0.18306	0.13705	0.4173	0.10651	6.83E-04	4.09E-03	2.66E-03	3.36E-04	7.77E-03	6.21E-04	4.14E-09	3.55E-05	9.17E-06	6.66E-04	7.90E-04	4.09E-03	2.66E-03	3.36E-04	7.88E-03
2448	496956.82	3858864.83	0.17932	0.13488	0.4146	0.10509	6.69E-04	4.02E-03	2.64E-03	3.32E-04	7.67E-03	6.09E-04	4.07E-09	3.53E-05	9.05E-06	6.53E-04	7.74E-04	4.02E-03	2.64E-03	3.32E-04	7.77E-03
2449	497056.82	3858864.83	0.17563	0.13177	0.4118	0.1036	6.55E-04	3.93E-03	2.63E-03	3.27E-04	7.54E-03	5.96E-04	3.98E-09	3.50E-05	8.92E-06	6.40E-04	7.58E-04	3.93E-03	2.63E-03	3.27E-04	7.64E-03
2450	497156.82	3858864.83	0.17224	0.12909	0.4025	0.10155	6.43E-04	3.85E-03	2.57E-03	3.21E-04	7.38E-03	5.85E-04	3.90E-09	3.42E-05	8.74E-06	6.28E-04	7.43E-04	3.85E-03	2.57E-03	3.21E-04	7.48E-03
2451	497256.82	3858864.83	0.17288	0.12855	0.4003	0.10097	6.45E-04	3.84E-03	2.55E-03	3.19E-04	7.35E-03	5.87E-04	3.88E-09	3.40E-05	8.69E-06	6.30E-04	7.46E-04	3.84E-03	2.55E-03	3.19E-04	7.45E-03
2452	496856.82	3858964.83	0.1946	0.146	0.4137	0.10949	7.26E-04	4.36E-03	2.64E-03	3.46E-04	8.07E-03	6.61E-04	4.41E-09	3.52E-05	9.43E-06	7.05E-04	8.40E-04	4.36E-03	2.64E-03	3.46E-04	8.18E-03
2453	496956.82	3858964.83	0.19019	0.14211	0.4044	0.10688	7.10E-04	4.24E-03	2.58E-03	3.37E-04	7.87E-03	6.46E-04	4.29E-09	3.44E-05	9.20E-06	6.89E-04	8.21E-04	4.24E-03	2.58E-03	3.37E-04	7.98E-03
2454	497056.82	3858964.83	0.18702	0.13944	0.3966	0.10566	6.98E-04	4.16E-03	2.53E-03	3.34E-04	7.72E-03	6.35E-04	4.21E-09	3.37E-05	9.10E-06	6.78E-04	8.07E-04	4.16E-03	2.53E-03	3.34E-04	7.83E-03
2455	497156.82	3858964.83	0.18376	0.13685	0.3899	0.10428	6.86E-04	4.08E-03	2.49E-03	3.29E-04	7.58E-03	6.24E-04	4.13E-09	3.32E-05	8.98E-06	6.66E-04	7.93E-04	4.08E-03	2.49E-03	3.29E-04	7.69E-03
2456	497256.82	3858964.83	0.18668	0.13813	0.3855	0.10554	6.97E-04	4.12E-03	2.46E-03	3.33E-04	7.61E-03	6.34E-04	4.17E-09	3.28E-05	9.09E-06	6.76E-04	8.06E-04	4.12E-03	2.46E-03	3.33E-04	7.72E-03
2457	496856.82	3859064.83	0.19754	0.15266	0.4129	0.11174	7.37E-04	4.55E-03	2.63E-03	3.53E-04	8.28E-03	6.71E-04	4.61E-09	3.51E-05	9.62E-06	7.15E-04	8.52E-04	4.55E-03	2.63E-03	3.53E-04	8.39E-03
2458	496956.82	3859064.83	0.19422	0.14891	0.4083	0.11016	7.25E-04	4.44E-03	2.60E-03	3.48E-04	8.12E-03	6.59E-04	4.50E-09	3.47E-05	9.49E-06	7.04E-04	8.38E-04	4.44E-03	2.60E-03	3.48E-04	8.23E-03
2459	497056.82	3859064.83	0.19248	0.14646	0.4051	0.10866	7.18E-04	4.37E-03	2.58E-03	3.43E-04	8.01E-03	6.53E-04	4.42E-09	3.44E-05	9.36E-06	6.97E-04	8.31E-04	4.37E-03	2.58E-03	3.43E-04	8.13E-03
2460	497156.82	3859064.83	0.18997	0.14429	0.4039	0.10687	7.09E-04	4.30E-03	2.58E-03	3.37E-04	7.93E-03	6.45E-04	4.36E-09	3.44E-05	9.20E-06	6.89E-04	8.20E-04	4.30E-03	2.58E-03	3.37E-04	8.04E-03
2461	497256.82	3859064.83	0.19494	0.14837	0.4093	0.10804	7.27E-04	4.43E-03	2.61E-03	3.41E-04	8.11E-03	6.62E-04	4.48E-09	3.48E-05	9.30E-06	7.06E-04	8.41E-04	4.43E-03	2.61E-03	3.41E-04	8.22E-03
2462	496856.82	3859164.83	0.20428	0.15594	0.3861	0.10983	7.62E-04	4.65E-03	2.46E-03	3.47E-04	8.22E-03	6.94E-04	4.71E-09	3.28E-05	9.46E-06	7.36E-04	8.81E-04	4.65E-03	2.46E-03	3.47E-04	8.34E-03
2463	496956.82	3859164.83	0.19787	0.15273	0.3814	0.10815	7.38E-04	4.56E-03	2.43E-03	3.41E-04	8.07E-03	6.72E-04	4.61E-09	3.24E-05	9.31E-06	7.14E-04	8.54E-04	4.56E-03	2.43E-03	3.41E-04	8.18E-03
2464	497056.82	3859164.83	0.19727	0.15176	0.3833	0.10731	7.36E-04	4.53E-03	2.44E-03	3.39E-04	8.05E-03	6.70E-04	4.58E-09	3.26E-05	9.24E-06	7.12E-04	8.51E-04	4.53E-03	2.44E-03	3.39E-04	8.16E-03
2465	497156.82	3859164.83	0.20281	0.15314	0.388	0.10722	7.57E-04	4.57E-03	2.47E-03	3.39E-04	8.14E-03	6.89E-04	4.62E-09	3.30E-05	9.23E-06	7.31E-04	8.75E-04	4.57E-03	2.47E-03	3.39E-04	8.26E-03
2466	497256.82	3859164.83	0.21514	0.1579	0.3954	0.10961	8.03E-04	4.71E-03	2.52E-03	3.46E-04	8.38E-03	7.30E-04	4.77E-09	3.36E-05	9.44E-06	7.73E-04	9.28E-04	4.71E-03	2.52E-03	3.46E-04	8.51E-03
2467	496856.82	3859264.83	0.20408	0.15596	0.3777	0.10872	7.62E-04	4.65E-03	2.41E-03	3.43E-04	8.17E-03	6.93E-04	4.71E-09	3.21E-05	9.36E-06	7.34E-04	8.81E-04	4.65E-03	2.41E-03	3.43E-04	8.29E-03
2468	496956.82	3859264.83	0.20581	0.1552	0.3745	0.10752	7.68E-04	4.63E-03	2.39E-03	3.39E-04	8.13E-03	6.99E-04	4.69E-09	3.18E-05	9.26E-06	7.40E-04	8.88E-04	4.63E-03	2.39E-03	3.39E-04	8.25E-03
2469	497056.82	3859264.83	0.21215	0.1569	0.3708	0.1074	7.92E-04	4.68E-03	2.37E-03	3.39E-04	8.18E-03	7.20E-04	4.74E-09	3.15E-05	9.25E-06	7.61E-04	9.15E-04	4.68E-03	2.37E-03	3.39E-04	8.30E-03
2470	497156.82	3859264.83	0.21832	0.15938	0.3669	0.10784	8.15E-04	4.75E-03	2.34E-03	3.40E-04	8.25E-03	7.41E-04	4.81E-09	3.12E-05	9.29E-06	7.82E-04	9.42E-04	4.75E-03	2.34E-03	3.40E-04	8.38E-03
2471	497256.82	3859264.83	0.22748	0.16393	0.367	0.11149	8.49E-04	4.89E-03	2.34E-03	3.52E-04	8.43E-03	7.72E-04	4.95E-09	3.12E-05	9.60E-06	8.13E-04	9.82E-04	4.89E-03	2.34E-03	3.52E-04	8.57E-03
2472	497088.92	3858620.93	0.15596	0.11328	0.3839	0.10311	5.82E-04	3.38E-03	2.45E-03	3.26E-04	6.74E-03	5.29E-04	3.42E-09	3.26E-05	8.88E-06	5.71E-04	6.73E-04	3.38E-03	2.45E-03	3.26E-04	6.83E-03
2473	497138.92	3858620.93	0.15703	0.11317	0.3816	0.10281	5.86E-04	3.38E-03	2.43E-03	3.25E-04	6.72E-03	5.33E-04	3.42E-09	3.25E-05	8.85E-06	5.74E-04	6.78E-04	3.38E-03	2.43E-03	3.25E-04	6.81E-03
2474	497188.92	3858620.93	0.15588	0.11235	0.3768	0.10195	5.82E-04	3.35E-03	2.40E-03	3.22E-04	6.66E-03	5.29E-04	3.39E-09	3.20E-05	8.78E-06	5.70E-04	6.73E-04	3.35E-03	2.40E-03	3.22E-04	6.75E-03
2475	497238.92	3858620.93	0.15581	0.11179	0.3739	0.10155	5.81E-04	3.34E-03	2.39E-03	3.21E-04	6.62E-03	5.29E-04	3.38E-09	3.18E-05	8.74E-06	5.70E-04	6.72E-04	3.34E-03	2.39E-03	3.21E-04	6.71E-03
2476	497088.92	3858670.93	0.1548	0.11522	0.372	0.10285	5.78E-04	3.44E-03	2.37E-03	3.25E-04	6.71E-03	5.26E-04	3.48E-09	3.16E-05	8.86E-06	5.66E-04	6.68E-04	3.44E-03	2.37E-03	3.25E-04	6.80E-03
2477	497138.92	3858670.93	0.15745	0.11568	0.3725	0.10282	5.88E-04	3.45E-03	2.38E-03	3.25E-04	6.74E-03	5.35E-04	3.49E-09	3.17E-05	8.85E-06	5.75E-04	6.79E-04	3.45E-03	2.38E-03	3.25E-04	6.83E-03
2478	497188.92	3858670.93	0.15655	0.11472	0.3709	0.10229	5.84E-04	3.42E-03	2.37E-03	3.23E-04	6.70E-03	5.31E-04	3.46E-09	3.15E-05	8.81E-06	5.72E-04	6.76E-04	3.42E-03	2.37E-03	3.23E-04	6.79E-03
2479	497238.92	3858670.93	0.15748	0.11452	0.3704	0.1019	5.88E-04	3.42E-03	2.36E-03	3.22E-04	6.69E-03	5.35E-04	3.46E-09	3.15E-05	8.77E-06	5.75E-04	6.80E-04	3.42E-03	2.36E-03	3.22E-04	6.78E-03
2480	497088.92	3858720.93	0.16208	0.12007	0.3677	0.10308	6.05E-04	3.58E-03	2.35E-03	3.25E-04	6.86E-03	5.50E-04	3.63E-09	3.13E-05	8.88E-06	5.90E-04	6.99E-04	3.58E-03	2.35E-03	3.25E-04	6.95E-03
2481	497138.92	3858720.93	0.15608	0.11732	0.3576	0.10174	5.82E-04	3.50E-03	2.28E-03	3.21E-04	6.68E-03	5.30E-04	3.54E-09	3.04E-05	8.76E-06	5.69E-04	6.74E-04	3.50E-03	2.28E-03	3.21E-04	6.78E-03
2482	497188.92	3858720.93	0.15527	0.11559	0.3564	0.1013	5.79E-04	3.45E-03	2.27E-03	3.20E-04	6.62E-03	5.27E-04	3.49E-09	3.03E-05	8.72E-06	5.66E-04	6.70E-04	3.45E-03	2.27E-03	3.20E-04	6.71E-03
2483	497238.92	3858720.93	0.15972	0.11785	0.3606	0.10162	5.96E-04	3.52E-03	2.30E-03	3.21E-04	6.73E-03	5.42E-04	3.56E-09	3.07E-05	8.75E-06	5.82E-04	6.89E-04	3.52E-03	2.30E-03	3.21E-04	6.83E-03
2484	497088.92	3858770.93	0.16532	0.12289	0.3855	0.10247	6.17E-04	3.67E-03	2.46E-03	3.24E-04	7.07E-03	5.61E-04	3.71E-09	3.28E-05	8.82E-06	6.03E-04	7.13E-04	3.67E-03	2.46E-03	3.24E-04	7.16E-03
2485	497138.92	3858770.93	0.16302	0.12153	0.3778	0.10124	6.08E-04	3.63E-03	2.41E-03	3.20E-04	6.96E-03	5.53E-04	3.67E-09	3.21E-05	8.72E-06	5.94E-04	7.03E-04	3.63E-03	2.41E-03	3.20E-04	7.06E-03
2486	497188.92	3858770.93	0.16252	0.12053	0.3822	0.10064	6.06E-04	3.60E-03	2.44E-03	3.18E-04	6.96E-03	5.52E-04	3.64E-09	3.25E-05	8.67E-06	5.93E-04	7.01E-04	3.60E-03	2.44E-03	3.18E-04	7.05E-03
2487	497238.92	3858770.93	0.16505	0.12118	0.3805	0.10004	6.16E-04	3.62E-03	2.43E-03	3.16E-04	6.97E-03	5.60E-04	3.66E-09	3.24E-05	8.61E-06	6.01E-04	7.12E-04	3.62E-03	2.43E-03	3.16E-04	7.07E-03
2488	497396.65	3858622.63	0.1677	0.11711	0.3782	0.10239	6.26E-04	3.49E-03	2.41E-03	3.23E-04	6.85E-03	5.69E-04	3.54E-09	3.22E-05	8.82E-06	6.10E-04	7.24E-04	3.49E-03	2.41E-03	3.23E-04	6.95E-03
2489	497496.65	3858622.63	0.17704	0.11959	0.3803	0.10228	6.61E-04	3.57E-03	2.43E-03	3.23E-04	6.98E-03	6.01E-04	3.61E-09	3.23E-05	8.81E-06	6.42E-04	7.64E-04	3.57E-03	2.43E-03	3.23E-04	7.08E-03
2490	497596.65	3858622.63	0.18844	0.12634	0.3944	0.10504	7.03E-04	3.77E-03	2.52E-03	3.32E-04	7.32E-03	6.40E-04	3.82E-09	3.35E-05	9.05E-06	6.82E-04	8.13E-04	3.77E-03	2.52E-03	3.32E-04	7.43E-03
2491	497696.65	3858622.63	0.19323	0.12853	0.3949	0.10491	7.21E-04	3.83E-03	2.52E-03	3.31E-04	7.41E-03	6.56E-04	3.88E-09	3.36E-05	9.03E-06	6.99E-04	8.34E-04	3.83E-03	2.52E-03	3.31E-04	7.52E-03
2492	497796.65	3858622.63	0.20522	0.13286	0.3971	0.10629	7.66E-04	3.96E-03	2.53E-03	3.36E-04	7.60E-03	6.97E-04	4.01E-09	3.38E-05	9.15E-06	7.40E-04	8.86E-04	3.96E-03	2.53E-03	3.36E-04	7.72E-03
2493	497896.65	3858622.63	0.21346	0.13707	0.3986	0.10818	7.97E-04	4.09E-03	2.54E-03	3.42E-04	7.77E-03	7.25E-04	4.14E-09	3.39E-05	9.32E-06	7.68E-04	9.21E-04	4.09E-03	2.54E-03	3.42E-04	7.89E-03
2494	497396.65	3858722.63	0.17366	0.12314	0.3797	0.10298	6.48E-04	3.67E-03	2.42E-03	3.25E-04	7.07E-03	5.90E-04	3.72E-09	3.23E-05	8.87E-06	6.31E-04	7.49E-04	3.67E-03	2.42E-03	3.25E-04	7.17E-03
2495	497496.65	3858722.63	0.18332	0.12757	0.3839	0.10413	6.84E-04	3.81E-03	2.45E-03	3.29E-04	7.27E-03	6.22E-04	3.85E-09	3.26E-05	8.97E-06	6.64E-04	7.91E-04	3.81E-03	2.45E-03	3.29E-04	7.37E-03
2496	497596.65	3858722.63	0.19349	0.13325	0.3958	0.10596	7.22E-04	3.98E-03	2.52E-03	3.35E-04	7.56E-03	6.57E-04	4.02E-09	3.37E-05	9.12E-06	7.00E-04	8.35E-04	3.98E-03	2.52E-03	3.35E-04	7.67E-03
2497	497696.65	3858722.63	0.20125	0.13694	0.3976	0.10765	7.51E-04	4.09E-03	2.54E-03	3.40E-04	7.71E-03	6.83E-04	4.14E-09	3.38E-05	9.27E-06	7.26E-04	8.68E-04	4.09E-03	2.54E-03	3.40E-04	7.83E-03

2498	497796.65	3858722.63	0.20779	0.13916	0.3978	0.10816	7.75E-04	4.15E-03	2.54E-03	3.42E-04	7.81E-03	7.05E-04	4.20E-09	3.38E-05	9.31E-06	7.49E-04	8.97E-04	4.15E-03	2.54E-03	3.42E-04	7.93E-03
2499	497896.65	3858722.63	0.21689	0.14237	0.401	0.10921	8.09E-04	4.25E-03	2.56E-03	3.45E-04	7.96E-03	7.36E-04	4.30E-09	3.41E-05	9.40E-06	7.80E-04	9.36E-04	4.25E-03	2.56E-03	3.45E-04	8.09E-03
2500	497396.65	3858822.63	0.17993	0.13031	0.4145	0.10341	6.71E-04	3.89E-03	2.64E-03	3.27E-04	7.53E-03	6.11E-04	3.94E-09	3.53E-05	8.90E-06	6.55E-04	7.76E-04	3.89E-03	2.64E-03	3.27E-04	7.63E-03
2501	497496.65	3858822.63	0.1869	0.13356	0.4182	0.10404	6.97E-04	3.98E-03	2.67E-03	3.28E-04	7.68E-03	6.35E-04	4.03E-09	3.56E-05	8.96E-06	6.79E-04	8.06E-04	3.98E-03	2.67E-03	3.28E-04	7.79E-03
2502	497596.65	3858822.63	0.20395	0.14002	0.424	0.10753	7.61E-04	4.18E-03	2.70E-03	3.40E-04	7.98E-03	6.92E-04	4.23E-09	3.61E-05	9.26E-06	7.38E-04	8.80E-04	4.18E-03	2.70E-03	3.40E-04	8.10E-03
2503	497696.65	3858822.63	0.20928	0.14321	0.4197	0.10769	7.81E-04	4.27E-03	2.68E-03	3.40E-04	8.07E-03	7.11E-04	4.32E-09	3.57E-05	9.27E-06	7.55E-04	9.03E-04	4.27E-03	2.68E-03	3.40E-04	8.19E-03
2504	497796.65	3858822.63	0.21555	0.14481	0.4166	0.1086	8.04E-04	4.32E-03	2.66E-03	3.43E-04	8.12E-03	7.32E-04	4.37E-09	3.54E-05	9.35E-06	7.77E-04	9.30E-04	4.32E-03	2.66E-03	3.43E-04	8.25E-03
2505	497896.65	3858822.63	0.22898	0.15077	0.4193	0.11014	8.54E-04	4.50E-03	2.67E-03	3.48E-04	8.37E-03	7.77E-04	4.55E-09	3.57E-05	9.48E-06	8.23E-04	9.88E-04	4.50E-03	2.67E-03	3.48E-04	8.51E-03
2506	497396.65	3858922.63	0.18572	0.13889	0.3934	0.1054	6.93E-04	4.14E-03	2.51E-03	3.33E-04	7.68E-03	6.31E-04	4.19E-09	3.35E-05	9.08E-06	6.73E-04	8.01E-04	4.14E-03	2.51E-03	3.33E-04	7.79E-03
2507	497496.65	3858922.63	0.20131	0.14471	0.3959	0.10768	7.51E-04	4.32E-03	2.53E-03	3.40E-04	7.93E-03	6.83E-04	4.37E-09	3.37E-05	9.27E-06	7.26E-04	8.69E-04	4.32E-03	2.53E-03	3.40E-04	8.05E-03
2508	497596.65	3858922.63	0.20419	0.14434	0.3971	0.10755	7.62E-04	4.31E-03	2.53E-03	3.40E-04	7.94E-03	6.93E-04	4.36E-09	3.38E-05	9.26E-06	7.36E-04	8.81E-04	4.31E-03	2.53E-03	3.40E-04	8.06E-03
2509	497696.65	3858922.63	0.22317	0.15096	0.412	0.11254	8.33E-04	4.50E-03	2.63E-03	3.55E-04	8.32E-03	7.58E-04	4.56E-09	3.50E-05	9.69E-06	8.02E-04	9.63E-04	4.50E-03	2.63E-03	3.55E-04	8.45E-03
2510	497796.65	3858922.63	0.2337	0.15641	0.4138	0.11424	8.72E-04	4.67E-03	2.64E-03	3.61E-04	8.54E-03	7.93E-04	4.72E-09	3.52E-05	9.84E-06	8.38E-04	1.01E-03	4.67E-03	2.64E-03	3.61E-04	8.67E-03
2511	497896.65	3858922.63	0.24722	0.16555	0.4184	0.11686	9.22E-04	4.94E-03	2.67E-03	3.69E-04	8.90E-03	8.39E-04	5.00E-09	3.56E-05	1.01E-05	8.85E-04	1.07E-03	4.94E-03	2.67E-03	3.69E-04	9.04E-03
2512	497364.44	3858201.52	0.14129	0.09772	0.3633	0.09999	5.27E-04	2.92E-03	2.32E-03	3.16E-04	6.08E-03	4.80E-04	2.95E-09	3.09E-05	8.61E-06	5.19E-04	6.10E-04	2.92E-03	2.32E-03	3.16E-04	6.16E-03
2513	497414.44	3858201.52	0.14486	0.09884	0.369	0.1004	5.41E-04	2.95E-03	2.35E-03	3.17E-04	6.16E-03	4.92E-04	2.98E-09	3.14E-05	8.65E-06	5.32E-04	6.25E-04	2.95E-03	2.35E-03	3.17E-04	6.24E-03
2514	497464.44	3858201.52	0.14856	0.09998	0.3691	0.10106	5.54E-04	2.98E-03	2.35E-03	3.19E-04	6.21E-03	5.04E-04	3.02E-09	3.14E-05	8.70E-06	5.44E-04	6.41E-04	2.98E-03	2.35E-03	3.19E-04	6.30E-03
2515	497514.44	3858201.52	0.14993	0.10057	0.3673	0.10109	5.59E-04	3.00E-03	2.34E-03	3.19E-04	6.22E-03	5.09E-04	3.04E-09	3.12E-05	8.70E-06	5.49E-04	6.47E-04	3.00E-03	2.34E-03	3.19E-04	6.31E-03
2516	497564.44	3858201.52	0.14946	0.10026	0.3657	0.10098	5.58E-04	2.99E-03	2.33E-03	3.19E-04	6.20E-03	5.07E-04	3.03E-09	3.11E-05	8.70E-06	5.47E-04	6.45E-04	2.99E-03	2.33E-03	3.19E-04	6.29E-03
2517	497614.44	3858201.52	0.15081	0.10062	0.3645	0.1014	5.63E-04	3.00E-03	2.32E-03	3.20E-04	6.21E-03	5.12E-04	3.04E-09	3.10E-05	8.73E-06	5.52E-04	6.51E-04	3.00E-03	2.32E-03	3.20E-04	6.30E-03
2518	497364.44	3858251.52	0.14805	0.10124	0.3653	0.1001	5.52E-04	3.02E-03	2.33E-03	3.16E-04	6.22E-03	5.03E-04	3.06E-09	3.11E-05	8.62E-06	5.42E-04	6.39E-04	3.02E-03	2.33E-03	3.16E-04	6.31E-03
2519	497414.44	3858251.52	0.15151	0.10301	0.3668	0.10208	5.65E-04	3.07E-03	2.34E-03	3.22E-04	6.30E-03	5.14E-04	3.11E-09	3.12E-05	8.79E-06	5.54E-04	6.54E-04	3.07E-03	2.34E-03	3.22E-04	6.39E-03
2520	497464.44	3858251.52	0.15029	0.1023	0.3642	0.10155	5.61E-04	3.05E-03	2.32E-03	3.21E-04	6.26E-03	5.10E-04	3.09E-09	3.10E-05	8.74E-06	5.50E-04	6.49E-04	3.05E-03	2.32E-03	3.21E-04	6.34E-03
2521	497514.44	3858251.52	0.14859	0.10135	0.3611	0.1007	5.54E-04	3.02E-03	2.30E-03	3.18E-04	6.20E-03	5.04E-04	3.06E-09	3.07E-05	8.67E-06	5.44E-04	6.41E-04	3.02E-03	2.30E-03	3.18E-04	6.29E-03
2522	497564.44	3858251.52	0.14843	0.10117	0.3597	0.10045	5.54E-04	3.02E-03	2.29E-03	3.17E-04	6.18E-03	5.04E-04	3.06E-09	3.06E-05	8.65E-06	5.43E-04	6.40E-04	3.02E-03	2.29E-03	3.17E-04	6.27E-03
2523	497614.44	3858251.52	0.14826	0.10088	0.3585	0.10021	5.53E-04	3.01E-03	2.29E-03	3.16E-04	6.17E-03	5.03E-04	3.05E-09	3.05E-05	8.63E-06	5.42E-04	6.40E-04	3.01E-03	2.29E-03	3.16E-04	6.25E-03
2524	497364.44	3858301.52	0.1496	0.10312	0.3651	0.1023	5.58E-04	3.08E-03	2.33E-03	3.23E-04	6.29E-03	5.08E-04	3.11E-09	3.10E-05	8.81E-06	5.48E-04	6.46E-04	3.08E-03	2.33E-03	3.23E-04	6.37E-03
2525	497414.44	3858301.52	0.1528	0.10446	0.3635	0.10324	5.70E-04	3.12E-03	2.32E-03	3.26E-04	6.33E-03	5.19E-04	3.15E-09	3.09E-05	8.89E-06	5.59E-04	6.59E-04	3.12E-03	2.32E-03	3.26E-04	6.42E-03
2526	497464.44	3858301.52	0.15094	0.10339	0.3608	0.10178	5.63E-04	3.08E-03	2.30E-03	3.21E-04	6.27E-03	5.12E-04	3.12E-09	3.07E-05	8.76E-06	5.52E-04	6.51E-04	3.08E-03	2.30E-03	3.21E-04	6.36E-03
2527	497514.44	3858301.52	0.14971	0.10269	0.3582	0.10024	5.59E-04	3.06E-03	2.28E-03	3.16E-04	6.22E-03	5.08E-04	3.10E-09	3.05E-05	8.63E-06	5.47E-04	6.46E-04	3.06E-03	2.28E-03	3.16E-04	6.31E-03
2528	497564.44	3858301.52	0.1475	0.10156	0.3556	0.09952	5.50E-04	3.03E-03	2.27E-03	3.14E-04	6.16E-03	5.01E-04	3.07E-09	3.02E-05	8.57E-06	5.40E-04	6.36E-04	3.03E-03	2.27E-03	3.14E-04	6.25E-03
2529	497614.44	3858301.52	0.14689	0.10127	0.3538	0.09935	5.48E-04	3.02E-03	2.26E-03	3.14E-04	6.14E-03	4.99E-04	3.06E-09	3.01E-05	8.56E-06	5.37E-04	6.34E-04	3.02E-03	2.26E-03	3.14E-04	6.23E-03
2530	497364.44	3858351.52	0.15281	0.10614	0.3682	0.10341	5.70E-04	3.17E-03	2.35E-03	3.27E-04	6.41E-03	5.19E-04	3.21E-09	3.13E-05	8.90E-06	5.59E-04	6.59E-04	3.17E-03	2.35E-03	3.27E-04	6.50E-03
2531	497414.44	3858351.52	0.15168	0.10544	0.3651	0.10324	5.66E-04	3.15E-03	2.33E-03	3.26E-04	6.37E-03	5.15E-04	3.18E-09	3.10E-05	8.89E-06	5.55E-04	6.55E-04	3.15E-03	2.33E-03	3.26E-04	6.45E-03
2532	497464.44	3858351.52	0.15168	0.10523	0.3626	0.10317	5.66E-04	3.14E-03	2.31E-03	3.26E-04	6.34E-03	5.15E-04	3.18E-09	3.08E-05	8.88E-06	5.55E-04	6.55E-04	3.14E-03	2.31E-03	3.26E-04	6.43E-03
2533	497514.44	3858351.52	0.15104	0.10473	0.3601	0.10302	5.64E-04	3.12E-03	2.30E-03	3.25E-04	6.31E-03	5.13E-04	3.16E-09	3.06E-05	8.87E-06	5.52E-04	6.52E-04	3.12E-03	2.30E-03	3.25E-04	6.40E-03
2534	497564.44	3858351.52	0.14774	0.10325	0.3563	0.0999	5.51E-04	3.08E-03	2.27E-03	3.15E-04	6.22E-03	5.02E-04	3.12E-09	3.03E-05	8.60E-06	5.40E-04	6.38E-04	3.08E-03	2.27E-03	3.15E-04	6.31E-03
2535	497614.44	3858351.52	0.14799	0.10288	0.3543	0.09963	5.52E-04	3.07E-03	2.26E-03	3.15E-04	6.20E-03	5.02E-04	3.11E-09	3.01E-05	8.58E-06	5.41E-04	6.39E-04	3.07E-03	2.26E-03	3.15E-04	6.28E-03
2536	497364.44	3858401.52	0.15133	0.10616	0.3833	0.1032	5.65E-04	3.17E-03	2.44E-03	3.26E-04	6.50E-03	5.14E-04	3.21E-09	3.26E-05	8.89E-06	5.55E-04	6.53E-04	3.17E-03	2.44E-03	3.26E-04	6.59E-03
2537	497414.44	3858401.52	0.15111	0.10615	0.3796	0.10296	5.64E-04	3.17E-03	2.42E-03	3.25E-04	6.48E-03	5.13E-04	3.21E-09	3.23E-05	8.87E-06	5.54E-04	6.52E-04	3.17E-03	2.42E-03	3.25E-04	6.57E-03
2538	497464.44	3858401.52	0.15025	0.10548	0.3762	0.10268	5.61E-04	3.15E-03	2.40E-03	3.24E-04	6.43E-03	5.10E-04	3.19E-09	3.20E-05	8.84E-06	5.51E-04	6.48E-04	3.15E-03	2.40E-03	3.24E-04	6.52E-03
2539	497514.44	3858401.52	0.15008	0.10513	0.3736	0.10244	5.60E-04	3.14E-03	2.38E-03	3.23E-04	6.40E-03	5.10E-04	3.17E-09	3.18E-05	8.82E-06	5.50E-04	6.48E-04	3.14E-03	2.38E-03	3.23E-04	6.49E-03
2540	497564.44	3858401.52	0.15253	0.10634	0.3729	0.10232	5.69E-04	3.17E-03	2.38E-03	3.23E-04	6.44E-03	5.18E-04	3.21E-09	3.17E-05	8.81E-06	5.58E-04	6.58E-04	3.17E-03	2.38E-03	3.23E-04	6.53E-03
2541	497614.44	3858401.52	0.15678	0.10736	0.3732	0.10234	5.85E-04	3.20E-03	2.38E-03	3.23E-04	6.49E-03	5.32E-04	3.24E-09	3.17E-05	8.81E-06	5.73E-04	6.77E-04	3.20E-03	2.38E-03	3.23E-04	6.58E-03
2542	493478.11	3860497.94	0.40488	0.53893	0.1399	0.13526	1.51E-03	1.61E-02	8.93E-04	4.27E-04	1.89E-02	1.37E-03	1.63E-08	1.19E-05	1.16E-05	1.40E-03	1.75E-03	1.61E-02	8.93E-04	4.27E-04	1.91E-02
2543	493528.11	3860497.94	0.3977	0.53533	0.1395	0.13565	1.48E-03	1.60E-02	8.90E-04	4.28E-04	1.88E-02	1.35E-03	1.62E-08	1.19E-05	1.17E-05	1.37E-03	1.72E-03	1.60E-02	8.90E-04	4.28E-04	1.90E-02
2544	493478.11	3860547.94	0.38785	0.52045	0.1355	0.1347	1.45E-03	1.55E-02	8.64E-04	4.25E-04	1.83E-02	1.32E-03	1.57E-08	1.15E-05	1.16E-05	1.34E-03	1.67E-03	1.55E-02	8.64E-04	4.25E-04	1.85E-02
2545	493528.11	3860547.94	0.39244	0.5162	0.1368	0.13513	1.46E-03	1.54E-02	8.73E-04	4.27E-04	1.82E-02	1.33E-03	1.56E-08	1.16E-05	1.16E-05	1.36E-03	1.69E-03	1.54E-02	8.73E-04	4.27E-04	1.84E-02
2546	493478.11	3860597.94	0.38766	0.50793	0.1321	0.13394	1.45E-03	1.52E-02	8.42E-04	4.23E-04	1.79E-02	1.32E-03	1.53E-08	1.12E-05	1.15E-05	1.34E-03	1.67E-03	1.52E-02	8.42E-04	4.23E-04	1.81E-02
2547	493528.11	3860597.94	0.38563	0.50376	0.1293	0.13472	1.44E-03	1.50E-02	8.25E-04	4.25E-04	1.77E-02	1.31E-03	1.52E-08	1.10E-05	1.16E-05	1.33E-03	1.66E-03	1.50E-02	8.25E-04	4.25E-04	1.79E-02
2548	493561.88	3860524.64	0.39598	0.5229	0.1371	0.13516	1.48E-03	1.56E-02	8.75E-04	4.27E-04	1.84E-02	1.34E-03	1.58E-08	1.17E-05	1.16E-05	1.37E-03	1.71E-03	1.56E-02	8.75E-04	4.27E-04	1.86E-02
2549	493591.88	3860524.64	0.39181	0.52081	0.1371	0.13491	1.46E-03	1.55E-02	8.74E-04	4.26E-04	1.83E-02	1.33E-03	1.57E-08	1.17E-05	1.16E-05	1.35E-03	1.69E-03	1.55E-02	8.74E-04	4.26E-04	1.85E-02
2550	493561.88	3860554.64	0.39353	0.51199	0.1351	0.13513	1.47E-03	1.53E-02	8.61E-04	4.27E-04	1.80E-02	1.34E-03	1.55E-08	1.15E-05	1.16E-05	1.36E-03	1.70E-03	1.53E-02	8.61E-04	4.27E-04	1.83E-02
2551	493591.88	3860554.64	0.3957	0.51048	0.1349	0.13442	1.48E-03	1.52E-02	8.61E-04	4.24E-04	1.80E-02	1.34E-03	1.54E-08	1.15E-05	1.16E-05	1.37E-03	1.71E-03	1.52E-02	8.61E-04	4.24E-04	1.82E-02
2552	492880.5	3860293.11	0.42488	0.65753	0.1576	0.14927	1.59E-03	1.96E-02	1.01E-03	4.71E-04	2.27E-02	1.44E-03	1.99E-08	1.34E-05	1.29E-05	1.47E-03	1.83E-03	1.96E-02	1.01E-03	4.71E-04	2.29E-02
2553	492930.5	3860293.11	0.43301	0.65058	0.1615	0.14808	1.62E-03	1.94E-02	1.03E-03	4.68E-04	2.25E-02	1.47E-03	1.96E-08	1.37E-05	1.28E-05	1.50E-03	1.87E-03	1.94E-02	1.03E-03	4.68E-04	2.28E-02
2554	492980.5	3860293.11	0.43306	0.64448	0.1615	0.14625	1.62E-03	1.92E-02	1.03E-03	4.62E-04	2.23E-02	1.47E-03	1.95E-08	1.37E-05	1.26E-05	1.50E-03	1.87E-03	1.92E-02	1.03E-03	4.62E-04	2.26E-02
2555	493030.5	3860293.11	0.43282	0.63273	0.1594	0.14416	1.62E-03	1.89E-02	1.02E-03	4.55E-04	2.20E-02	1.47E-03	1.91E-08	1.36E-05	1.24E-05	1.50E-03	1.87E-03	1.89E-02	1.02E-03	4.55E-04	2.22E-02
2556	493080.5	3860293.11	0.44171	0.6126	0.1555	0.14476	1.65E-03	1.83E-02	9.92E-04	4.57E-04	2.14E-02	1.50E-03	1.85E-08	1.32E-05	1.25E-05	1.53E-03	1.91E-03	1.83E-02	9.92E-04	4.57E-04	2.16E-02
2557	493130.5	3860293.11	0.4383	0.6174	0.1588	0.14154	1.64E-03	1.84E-02	1.01E-03	4.47E-04	2.15E-02	1.49E-03	1.86E-08	1.35E-05	1.22E-05	1.51E-03	1.89E-03	1.84E-02	1.01E-03	4.47E-04	2.18E-02
2558	493180.5	3860293.11	0.42932	0.61766	0.1643	0.14092	1.60E-03	1.84E-02	1.05E-03	4.45E-04	2.15E-02	1.46E-03	1.87E-08	1.40E-05	1.21E-05	1.48E-03	1.85E-03	1.84E-02	1.05E-03	4.45E-04	2.18E-02

2559	493230.5	3860293.11	0.42354	0.61328	0.1699	0.14042	1.58E-03	1.83E-02	1.08E-03	4.43E-04	2.14E-02	1.44E-03	1.85E-08	1.44E-05	1.21E-05	1.46E-03	1.83E-03	1.83E-02	1.08E-03	4.43E-04	2.17E-02
2560	493280.5	3860293.11	0.41978	0.6025	0.1708	0.13904	1.57E-03	1.80E-02	1.09E-03	4.39E-04	2.11E-02	1.43E-03	1.82E-08	1.45E-05	1.20E-05	1.45E-03	1.81E-03	1.80E-02	1.09E-03	4.39E-04	2.13E-02
2561	493330.5	3860293.11	0.41635	0.59412	0.1686	0.13849	1.55E-03	1.77E-02	1.08E-03	4.37E-04	2.08E-02	1.41E-03	1.79E-08	1.43E-05	1.19E-05	1.44E-03	1.80E-03	1.77E-02	1.08E-03	4.37E-04	2.10E-02
2562	493380.5	3860293.11	0.41658	0.58696	0.1636	0.13816	1.55E-03	1.75E-02	1.04E-03	4.36E-04	2.05E-02	1.41E-03	1.77E-08	1.39E-05	1.19E-05	1.44E-03	1.80E-03	1.75E-02	1.04E-03	4.36E-04	2.08E-02
2563	492880.5	3860343.11	0.40141	0.63883	0.152	0.14975	1.50E-03	1.91E-02	9.70E-04	4.73E-04	2.20E-02	1.36E-03	1.93E-08	1.29E-05	1.29E-05	1.39E-03	1.73E-03	1.91E-02	9.70E-04	4.73E-04	2.22E-02
2564	492930.5	3860343.11	0.4077	0.63353	0.1541	0.14832	1.52E-03	1.89E-02	9.83E-04	4.68E-04	2.19E-02	1.38E-03	1.91E-08	1.31E-05	1.28E-05	1.41E-03	1.76E-03	1.89E-02	9.83E-04	4.68E-04	2.21E-02
2565	492980.5	3860343.11	0.42386	0.62356	0.1537	0.1458	1.58E-03	1.86E-02	9.80E-04	4.60E-04	2.16E-02	1.44E-03	1.88E-08	1.31E-05	1.26E-05	1.46E-03	1.83E-03	1.86E-02	9.80E-04	4.60E-04	2.19E-02
2566	493030.5	3860343.11	0.43001	0.61938	0.1571	0.14447	1.60E-03	1.85E-02	1.00E-03	4.56E-04	2.15E-02	1.46E-03	1.87E-08	1.34E-05	1.24E-05	1.49E-03	1.86E-03	1.85E-02	1.00E-03	4.56E-04	2.18E-02
2567	493080.5	3860343.11	0.42874	0.60641	0.154	0.14413	1.60E-03	1.81E-02	9.82E-04	4.55E-04	2.11E-02	1.46E-03	1.83E-08	1.31E-05	1.24E-05	1.48E-03	1.85E-03	1.81E-02	9.82E-04	4.55E-04	2.14E-02
2568	493130.5	3860343.11	0.42635	0.6063	0.154	0.14209	1.59E-03	1.81E-02	9.82E-04	4.49E-04	2.11E-02	1.45E-03	1.83E-08	1.31E-05	1.22E-05	1.47E-03	1.84E-03	1.81E-02	9.82E-04	4.49E-04	2.14E-02
2569	493180.5	3860343.11	0.42908	0.60935	0.1553	0.14122	1.60E-03	1.82E-02	9.90E-04	4.46E-04	2.12E-02	1.46E-03	1.84E-08	1.32E-05	1.22E-05	1.48E-03	1.85E-03	1.82E-02	9.90E-04	4.46E-04	2.15E-02
2570	493230.5	3860343.11	0.42541	0.60456	0.1553	0.14099	1.59E-03	1.80E-02	9.90E-04	4.45E-04	2.11E-02	1.44E-03	1.83E-08	1.32E-05	1.21E-05	1.47E-03	1.84E-03	1.80E-02	9.90E-04	4.45E-04	2.13E-02
2571	493280.5	3860343.11	0.42155	0.5961	0.1577	0.1401	1.57E-03	1.78E-02	1.01E-03	4.42E-04	2.08E-02	1.43E-03	1.80E-08	1.34E-05	1.21E-05	1.46E-03	1.82E-03	1.78E-02	1.01E-03	4.42E-04	2.11E-02
2572	493330.5	3860343.11	0.41672	0.58816	0.1617	0.13941	1.55E-03	1.75E-02	1.03E-03	4.40E-04	2.06E-02	1.41E-03	1.78E-08	1.38E-05	1.20E-05	1.44E-03	1.80E-03	1.75E-02	1.03E-03	4.40E-04	2.08E-02
2573	493380.5	3860343.11	0.41215	0.58117	0.1658	0.13893	1.54E-03	1.73E-02	1.06E-03	4.39E-04	2.04E-02	1.40E-03	1.76E-08	1.41E-05	1.20E-05	1.43E-03	1.78E-03	1.73E-02	1.06E-03	4.39E-04	2.06E-02
2574	492880.5	3860393.11	0.38495	0.62256	0.1304	0.14647	1.44E-03	1.86E-02	8.32E-04	4.62E-04	2.13E-02	1.31E-03	1.88E-08	1.11E-05	1.26E-05	1.33E-03	1.66E-03	1.86E-02	8.32E-04	4.62E-04	2.15E-02
2575	492930.5	3860393.11	0.38827	0.61769	0.1391	0.14464	1.45E-03	1.84E-02	8.87E-04	4.57E-04	2.12E-02	1.32E-03	1.87E-08	1.18E-05	1.25E-05	1.34E-03	1.68E-03	1.84E-02	8.87E-04	4.57E-04	2.14E-02
2576	492980.5	3860393.11	0.39833	0.6127	0.149	0.14262	1.49E-03	1.83E-02	9.51E-04	4.50E-04	2.12E-02	1.35E-03	1.85E-08	1.27E-05	1.23E-05	1.38E-03	1.72E-03	1.83E-02	9.51E-04	4.50E-04	2.14E-02
2577	493030.5	3860393.11	0.40572	0.60775	0.1514	0.141	1.51E-03	1.81E-02	9.66E-04	4.45E-04	2.11E-02	1.38E-03	1.84E-08	1.29E-05	1.21E-05	1.40E-03	1.75E-03	1.81E-02	9.66E-04	4.45E-04	2.13E-02
2578	493080.5	3860393.11	0.42122	0.5962	0.1489	0.14054	1.57E-03	1.78E-02	9.50E-04	4.44E-04	2.08E-02	1.43E-03	1.80E-08	1.27E-05	1.21E-05	1.45E-03	1.82E-03	1.78E-02	9.50E-04	4.44E-04	2.10E-02
2579	493130.5	3860393.11	0.42452	0.59551	0.1516	0.13869	1.58E-03	1.78E-02	9.67E-04	4.38E-04	2.08E-02	1.44E-03	1.80E-08	1.29E-05	1.19E-05	1.47E-03	1.83E-03	1.78E-02	9.67E-04	4.38E-04	2.10E-02
2580	493180.5	3860393.11	0.41402	0.59616	0.1526	0.13872	1.54E-03	1.78E-02	9.73E-04	4.38E-04	2.07E-02	1.41E-03	1.80E-08	1.30E-05	1.19E-05	1.43E-03	1.79E-03	1.78E-02	9.73E-04	4.38E-04	2.10E-02
2581	493230.5	3860393.11	0.41568	0.59219	0.1503	0.13835	1.55E-03	1.77E-02	9.58E-04	4.37E-04	2.06E-02	1.41E-03	1.79E-08	1.28E-05	1.19E-05	1.44E-03	1.79E-03	1.77E-02	9.58E-04	4.37E-04	2.09E-02
2582	493280.5	3860393.11	0.42452	0.58617	0.1506	0.13704	1.58E-03	1.75E-02	9.61E-04	4.33E-04	2.05E-02	1.44E-03	1.77E-08	1.28E-05	1.18E-05	1.47E-03	1.83E-03	1.75E-02	9.61E-04	4.33E-04	2.07E-02
2583	493330.5	3860393.11	0.41836	0.5807	0.1499	0.1364	1.56E-03	1.73E-02	9.56E-04	4.31E-04	2.03E-02	1.42E-03	1.75E-08	1.28E-05	1.17E-05	1.44E-03	1.81E-03	1.73E-02	9.56E-04	4.31E-04	2.05E-02
2584	493380.5	3860393.11	0.41404	0.57483	0.1514	0.13649	1.54E-03	1.71E-02	9.65E-04	4.31E-04	2.01E-02	1.41E-03	1.74E-08	1.29E-05	1.18E-05	1.43E-03	1.79E-03	1.71E-02	9.65E-04	4.31E-04	2.03E-02
2585	492880.5	3860443.11	0.37162	0.61021	0.1241	0.14378	1.39E-03	1.82E-02	7.91E-04	4.54E-04	2.08E-02	1.26E-03	1.84E-08	1.06E-05	1.24E-05	1.28E-03	1.60E-03	1.82E-02	7.91E-04	4.54E-04	2.11E-02
2586	492930.5	3860443.11	0.37439	0.60336	0.1239	0.14322	1.40E-03	1.80E-02	7.90E-04	4.52E-04	2.06E-02	1.27E-03	1.82E-08	1.05E-05	1.23E-05	1.29E-03	1.62E-03	1.80E-02	7.90E-04	4.52E-04	2.09E-02
2587	492980.5	3860443.11	0.38007	0.59619	0.1271	0.14113	1.42E-03	1.78E-02	8.11E-04	4.46E-04	2.05E-02	1.29E-03	1.80E-08	1.08E-05	1.22E-05	1.31E-03	1.64E-03	1.78E-02	8.11E-04	4.46E-04	2.07E-02
2588	493030.5	3860443.11	0.38389	0.58954	0.1359	0.13918	1.43E-03	1.76E-02	8.67E-04	4.39E-04	2.03E-02	1.30E-03	1.78E-08	1.16E-05	1.20E-05	1.33E-03	1.66E-03	1.76E-02	8.67E-04	4.39E-04	2.06E-02
2589	493080.5	3860443.11	0.39123	0.58351	0.1446	0.13789	1.46E-03	1.74E-02	9.22E-04	4.35E-04	2.02E-02	1.33E-03	1.76E-08	1.23E-05	1.19E-05	1.35E-03	1.69E-03	1.74E-02	9.22E-04	4.35E-04	2.05E-02
2590	493130.5	3860443.11	0.39969	0.57952	0.1469	0.13704	1.49E-03	1.73E-02	9.37E-04	4.33E-04	2.02E-02	1.36E-03	1.75E-08	1.25E-05	1.18E-05	1.38E-03	1.72E-03	1.73E-02	9.37E-04	4.33E-04	2.04E-02
2591	493180.5	3860443.11	0.40817	0.57839	0.1434	0.13782	1.52E-03	1.73E-02	9.15E-04	4.35E-04	2.01E-02	1.39E-03	1.75E-08	1.22E-05	1.19E-05	1.41E-03	1.76E-03	1.73E-02	9.15E-04	4.35E-04	2.04E-02
2592	493230.5	3860443.11	0.41411	0.57353	0.1448	0.13617	1.55E-03	1.71E-02	9.24E-04	4.30E-04	2.00E-02	1.41E-03	1.73E-08	1.23E-05	1.17E-05	1.43E-03	1.79E-03	1.71E-02	9.24E-04	4.30E-04	2.03E-02
2593	493280.5	3860443.11	0.40635	0.5695	0.1486	0.13576	1.52E-03	1.70E-02	9.48E-04	4.29E-04	1.99E-02	1.38E-03	1.72E-08	1.26E-05	1.17E-05	1.40E-03	1.75E-03	1.70E-02	9.48E-04	4.29E-04	2.01E-02
2594	493330.5	3860443.11	0.41295	0.56381	0.1465	0.13508	1.54E-03	1.68E-02	9.35E-04	4.26E-04	1.97E-02	1.40E-03	1.70E-08	1.25E-05	1.16E-05	1.43E-03	1.78E-03	1.68E-02	9.35E-04	4.26E-04	2.00E-02
2595	493380.5	3860443.11	0.41717	0.56194	0.1461	0.13519	1.56E-03	1.68E-02	9.32E-04	4.27E-04	1.97E-02	1.42E-03	1.70E-08	1.24E-05	1.16E-05	1.44E-03	1.80E-03	1.68E-02	9.32E-04	4.27E-04	1.99E-02
2596	493180.5	3860493.11	0.38424	0.56193	0.1389	0.13504	1.43E-03	1.68E-02	8.86E-04	4.26E-04	1.95E-02	1.30E-03	1.70E-08	1.18E-05	1.16E-05	1.33E-03	1.66E-03	1.68E-02	8.86E-04	4.26E-04	1.97E-02
2597	493230.5	3860493.11	0.39371	0.55673	0.1426	0.13383	1.47E-03	1.66E-02	9.10E-04	4.23E-04	1.94E-02	1.34E-03	1.68E-08	1.21E-05	1.15E-05	1.36E-03	1.70E-03	1.66E-02	9.10E-04	4.23E-04	1.96E-02
2598	493280.5	3860493.11	0.40491	0.55122	0.1402	0.13314	1.51E-03	1.64E-02	8.94E-04	4.20E-04	1.93E-02	1.37E-03	1.66E-08	1.19E-05	1.15E-05	1.40E-03	1.75E-03	1.64E-02	8.94E-04	4.20E-04	1.95E-02
2599	493330.5	3860493.11	0.40606	0.54615	0.14	0.13295	1.52E-03	1.63E-02	8.93E-04	4.20E-04	1.91E-02	1.38E-03	1.65E-08	1.19E-05	1.14E-05	1.40E-03	1.75E-03	1.63E-02	8.93E-04	4.20E-04	1.94E-02
2600	493380.5	3860493.11	0.39841	0.54347	0.1432	0.13359	1.49E-03	1.62E-02	9.14E-04	4.22E-04	1.90E-02	1.35E-03	1.64E-08	1.22E-05	1.15E-05	1.38E-03	1.72E-03	1.62E-02	9.14E-04	4.22E-04	1.93E-02
2601	493330.5	3860543.11	0.39001	0.53467	0.1392	0.13247	1.46E-03	1.60E-02	8.88E-04	4.18E-04	1.87E-02	1.32E-03	1.61E-08	1.18E-05	1.14E-05	1.35E-03	1.68E-03	1.60E-02	8.88E-04	4.18E-04	1.89E-02
2602	493380.5	3860543.11	0.39786	0.53027	0.1361	0.13313	1.48E-03	1.58E-02	8.68E-04	4.20E-04	1.86E-02	1.35E-03	1.60E-08	1.16E-05	1.15E-05	1.37E-03	1.72E-03	1.58E-02	8.68E-04	4.20E-04	1.88E-02
2603	494135.94	3860876.85	0.34847	0.43752	0.1093	0.11543	1.30E-03	1.31E-02	6.97E-04	3.64E-04	1.54E-02	1.18E-03	1.32E-08	9.29E-06	9.94E-06	1.20E-03	1.50E-03	1.31E-02	6.97E-04	3.64E-04	1.56E-02
2604	494185.94	3860876.85	0.35062	0.43421	0.1086	0.11569	1.31E-03	1.30E-02	6.93E-04	3.65E-04	1.53E-02	1.19E-03	1.31E-08	9.23E-06	9.96E-06	1.21E-03	1.51E-03	1.30E-02	6.93E-04	3.65E-04	1.55E-02
2605	494135.94	3860926.85	0.33901	0.43752	0.1088	0.11082	1.27E-03	1.31E-02	6.94E-04	3.50E-04	1.54E-02	1.15E-03	1.32E-08	9.25E-06	9.54E-06	1.17E-03	1.46E-03	1.31E-02	6.94E-04	3.50E-04	1.56E-02
2606	494185.94	3860926.85	0.33716	0.43361	0.1081	0.11122	1.26E-03	1.29E-02	6.89E-04	3.51E-04	1.52E-02	1.14E-03	1.31E-08	9.19E-06	9.58E-06	1.16E-03	1.45E-03	1.29E-02	6.89E-04	3.51E-04	1.54E-02
2607	494135.94	3860976.85	0.33235	0.43385	0.0997	0.10766	1.24E-03	1.29E-02	6.36E-04	3.40E-04	1.52E-02	1.13E-03	1.31E-08	8.48E-06	9.27E-06	1.15E-03	1.43E-03	1.29E-02	6.36E-04	3.40E-04	1.54E-02
2608	494185.94	3860976.85	0.3382	0.43157	0.1026	0.10699	1.26E-03	1.29E-02	6.54E-04	3.38E-04	1.51E-02	1.15E-03	1.30E-08	8.72E-06	9.21E-06	1.17E-03	1.46E-03	1.29E-02	6.54E-04	3.38E-04	1.53E-02
2609	494135.94	3861026.85	0.3112	0.43087	0.0913	0.10684	1.16E-03	1.29E-02	5.83E-04	3.37E-04	1.49E-02	1.06E-03	1.30E-08	7.77E-06	9.20E-06	1.07E-03	1.34E-03	1.29E-02	5.83E-04	3.37E-04	1.51E-02
2610	494185.94	3861026.85	0.31982	0.42692	0.0927	0.10659	1.19E-03	1.27E-02	5.91E-04	3.37E-04	1.49E-02	1.09E-03	1.29E-08	7.88E-06	9.18E-06	1.10E-03	1.38E-03	1.27E-02	5.91E-04	3.37E-04	1.50E-02
2611	494135.94	3861076.85	0.29515	0.42529	0.0885	0.10537	1.10E-03	1.27E-02	5.65E-04	3.33E-04	1.47E-02	1.00E-03	1.28E-08	7.53E-06	9.07E-06	1.02E-03	1.27E-03	1.27E-02	5.65E-04	3.33E-04	1.49E-02
2612	494185.94	3861076.85	0.29887	0.42315	0.0886	0.10541	1.12E-03	1.26E-02	5.65E-04	3.33E-04	1.46E-02	1.01E-03	1.28E-08	7.53E-06	9.08E-06	1.03E-03	1.29E-03	1.26E-02	5.65E-04	3.33E-04	1.48E-02
2613	490360.04	3858710.04	0.85406	1.13649	0.8035	0.18026	3.19E-03	3.39E-02	5.13E-03	5.69E-04	4.28E-02	2.90E-03	3.43E-08	6.83E-05	1.55E-05	2.98E-03	3.69E-03	3.39E-02	5.13E-03	5.69E-04	4.33E-02
2614	490410.04	3858710.04	0.85058	1.10328	0.7718	0.18314	3.17E-03	3.29E-02	4.92E-03	5.78E-04	4.16E-02	2.89E-03	3.33E-08	6.56E-05	1.58E-05	2.97E-03	3.67E-03	3.29E-02	4.92E-03	5.78E-04	4.21E-02
2615	490460.04	3858710.04	0.83818	1.05966	0.7666	0.18581	3.13E-03	3.16E-02	4.89E-03	5.87E-04	4.02E-02	2.85E-03	3.20E-08	6.52E-05	1.60E-05	2.93E-03	3.62E-03	3.16E-02	4.89E-03	5.87E-04	4.07E-02
2616	490510.04	3858710.04	0.83722	1.031	0.7571	0.18868	3.12E-03	3.08E-02	4.83E-03	5.96E-04	3.93E-02	2.84E-03	3.11E-08	6.44E-05	1.62E-05	2.92E-03	3.61E-03	3.08E-02	4.83E-03	5.96E-04	3.98E-02
2617	490560.04	3858710.04	0.83012	1.0068	0.7324	0.19112	3.10E-03	3.00E-02	4.67E-03	6.03E-04	3.84E-02	2.82E-03	3.04E-08	6.23E-05	1.65E-05	2.90E-03	3.58E-03	3.00E-02	4.67E-03	6.03E-04	3.89E-02
2618	490610.04	3858710.04	0.81882	0.97731	0.7231	0.1937	3.06E-03	2.92E-02	4.61E-03	6.12E-04	3.74E-02	2.78E-03	2.95E-08	6.15E-05	1.67E-05	2.86E-03	3.53E-03	2.92E-02	4.61E-03	6.12E-04	3.79E-02
2619	490660.04	3858710.04	0.80096	0.96209	0.73	0.19111	2.99E-03	2.87E-02	4.66E-03	6.03E-04	3.70E-02	2.72E-03	2.91E-08	6.21E-05	1.65E-05	2.80E-03	3.46E-03	2.87E-02	4.66E-03	6.03E-04	3.74E-02